

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060539.D
 Acq On : 12 Dec 2018 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/13/2018 4:41:03 PM

Quant Time: Dec 13 00:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1656720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2289801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1826934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	929381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	630298	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	6.32	113	928520	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	9.45	98	2669322	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.43	95	930791	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	782229	49.599	ug/l	99
3) Chloromethane	1.78	50	807653	47.448	ug/l	96
4) Vinyl Chloride	1.87	62	678057	49.912	ug/l	100
5) Bromomethane	2.17	94	162135	47.706	ug/l	87
6) Chloroethane	2.28	64	203368	45.317	ug/l	96
7) Trichlorofluoromethane	2.53	101	765185	48.781	ug/l	98
8) Diethyl Ether	2.84	74	132174	48.783	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.11	101	505398	49.657	ug/l	99
10) Methyl Iodide	3.26	142	594895	50.004	ug/l	98
11) Tert butyl alcohol	3.97	59	137919	289.093	ug/l	100
12) 1,1-Dichloroethene	3.09	96	410643	49.590	ug/l	94
13) Acrolein	3.00	56	150062	287.866	ug/l	93
14) Allyl chloride	3.55	41	797818	50.780	ug/l	99
15) Acrylonitrile	4.10	53	755172	278.778	ug/l	97
16) Acetone	3.18	43	507304	269.517	ug/l	99
17) Carbon Disulfide	3.33	76	1354176	50.344	ug/l	100
18) Methyl Acetate	3.57	43	237153	53.013	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1248089	54.350	ug/l	100
20) Methylene Chloride	3.74	84	897687	52.131	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	916025	50.854	ug/l	97
22) Diisopropyl ether	4.87	45	3024148	53.611	ug/l	99
23) Vinyl Acetate	4.81	43	7812272	279.525	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1547202	52.797	ug/l	99
25) 2-Butanone	5.63	43	1028475	277.727	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1191029	52.611	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	951745	51.966	ug/l	97
28) Bromochloromethane	5.93	49	622519	47.953	ug/l	100
29) Tetrahydrofuran	5.96	42	585629	279.265	ug/l	99
30) Chloroform	6.11	83	1573653	53.302	ug/l	99
31) Cyclohexane	6.37	56	1372971	55.187	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1307057	53.853	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1198268	53.536	ug/l	99
37) Ethyl Acetate	5.70	43	534042	55.017	ug/l	98
38) Carbon Tetrachloride	6.50	117	1066231	53.063	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1381386	54.139	ug/l	100
40) Benzene	6.80	78	3016716	52.738	ug/l	100
41) Methacrylonitrile	5.93	41	316247m	60.437	ug/l	
42) 1,2-Dichloroethane	6.89	62	818489	56.276	ug/l	99
43) Isopropyl Acetate	8.35	43	709621	59.222	ug/l	97
44) Trichloroethene	7.74	130	934181	54.646	ug/l	100
45) 1,2-Dichloropropane	8.11	63	771498	54.532	ug/l	100
46) Dibromomethane	8.21	93	457886	56.017	ug/l	94
47) Bromodichloromethane	8.49	83	1085419	55.964	ug/l	99
48) Methyl methacrylate	8.24	41	430380	60.703	ug/l	99
49) 1,4-Dioxane	8.22	88	82680	1286.681	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	2191407	294.006	ug/l	98
52) Toluene	9.54	92	1941772	54.311	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	913871	57.344	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1185775	56.632	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	546281	54.867	ug/l	98
56) Ethyl methacrylate	10.02	69	538931	59.809	ug/l	97
57) 1,3-Dichloropropane	10.38	76	861096	55.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1532715	284.278	ug/l	99
59) 2-Hexanone	10.49	43	1640073	314.800	ug/l	100
60) Dibromochloromethane	10.63	129	726962	58.398	ug/l	99
61) 1,2-Dibromoethane	10.75	107	583095	57.466	ug/l	100
64) Tetrachloroethene	10.25	164	843180	52.122	ug/l	100
65) Chlorobenzene	11.31	112	2048961	53.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	674904	54.177	ug/l	97
67) Ethyl Benzene	11.42	91	3451875	52.360	ug/l	99
68) m/p-Xylenes	11.56	106	2558111	104.886	ug/l	98
69) o-Xylene	11.93	106	1193437	51.346	ug/l	97
70) Styrene	11.95	104	1952825	52.343	ug/l	100
71) Bromoform	12.11	173	477757	57.484	ug/l	99
73) Isopropylbenzene	12.28	105	3391322	51.566	ug/l	98
74) N-amyl acetate	12.13	43	916337	57.651	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	579657	55.055	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	589542	55.984	ug/l	100
77) Bromobenzene	12.53	156	909287	52.599	ug/l	93
78) n-propylbenzene	12.63	91	4274020	51.411	ug/l	98
79) 2-Chlorotoluene	12.70	91	2329539	51.639	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2601634	51.770	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	171728	58.471	ug/l	99
82) 4-Chlorotoluene	12.81	91	2592568	51.168	ug/l	98
83) tert-Butylbenzene	13.05	119	2994136	53.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2589721	49.769	ug/l	97
85) sec-Butylbenzene	13.22	105	3501812	49.864	ug/l	95
86) p-Isopropyltoluene	13.34	119	2828356	50.806	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1575037	50.321	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1588762	51.742	ug/l	97
89) n-Butylbenzene	13.65	91	2922740	53.830	ug/l	99
90) Hexachloroethane	13.85	117	731763	52.426	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	1257888	49.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	69412	54.409	ug/l #	46

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1078443	53.933	ug/l	97
94) Hexachlorobutadiene	14.88	225	735072	49.825	ug/l	99
95) Naphthalene	14.96	128	1329966	55.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	839426	52.686	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

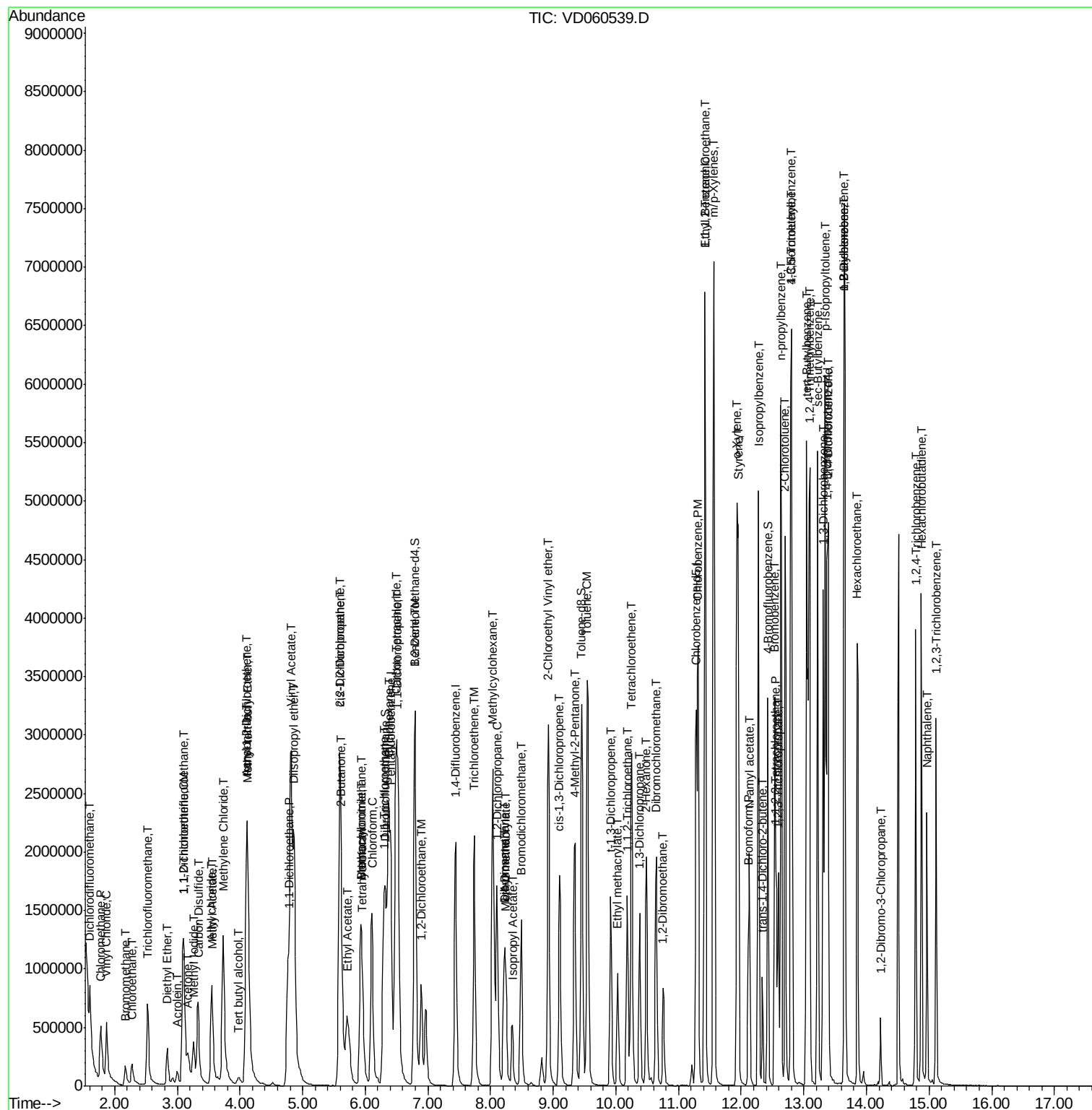
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121218\
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 Acq On : 12 Dec 2018 11:10
 Operator : VA/AP
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 Misc : 5.00µl/MSVOA D/SOIL
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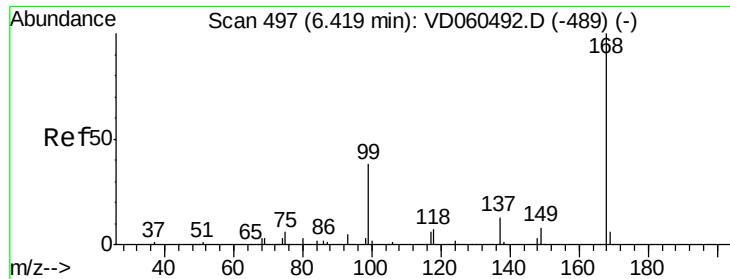
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1656720

Ion Ratio Lower Upper

168 100

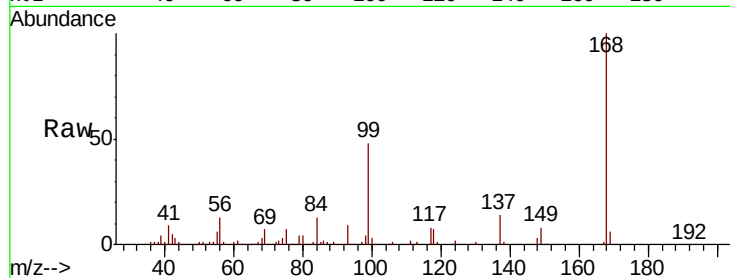
99 48.3 35.6 53.4

Manual Integrations

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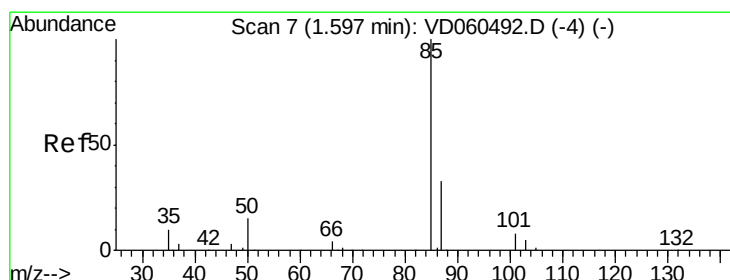
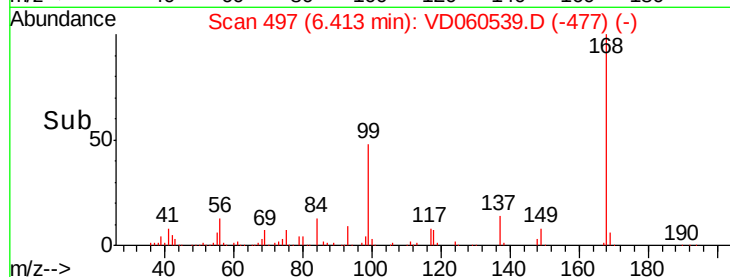
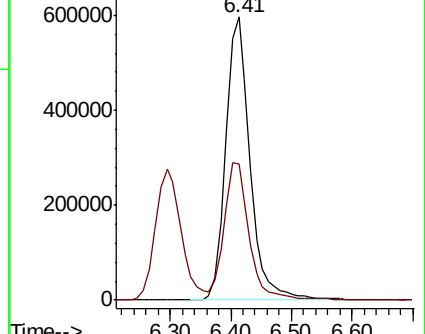
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060539.D

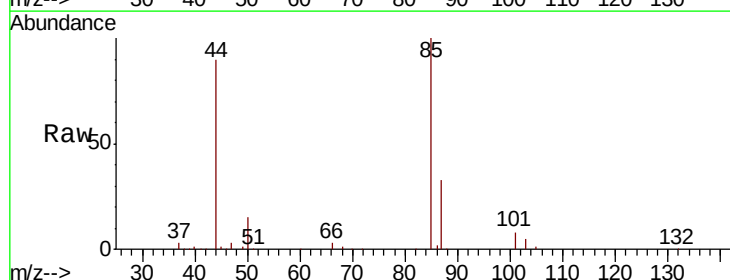
Acq: 12 Dec 2018 11:10

Tgt Ion: 85 Resp: 782229

Ion Ratio Lower Upper

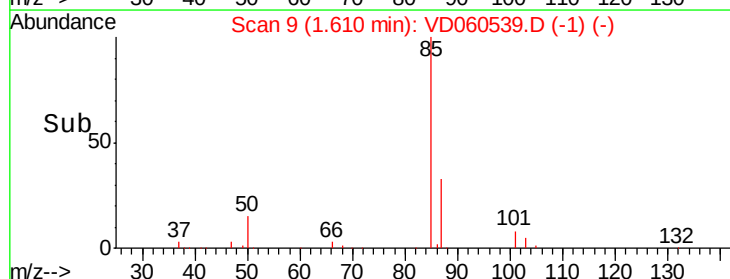
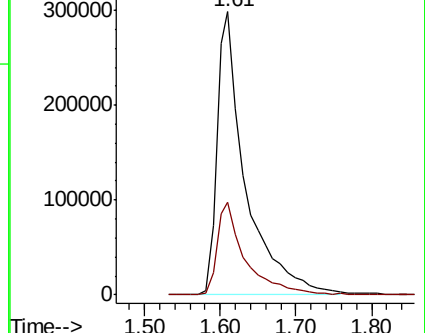
85 100

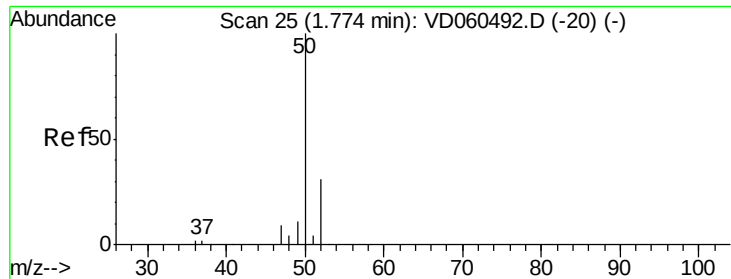
87 32.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.448 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 807653

Ion Ratio Lower Upper

50 100

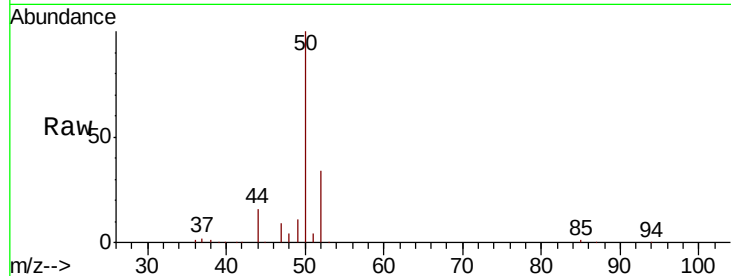
52 33.5 25.0 37.4

Manual Integrations

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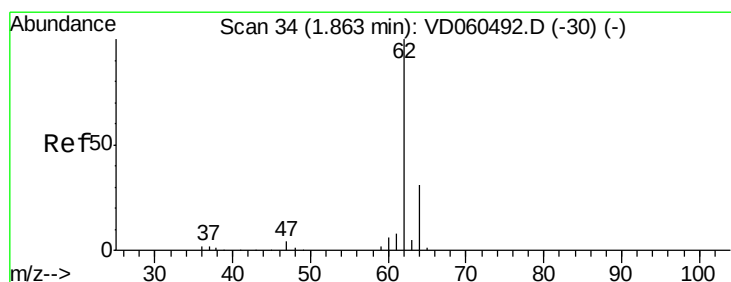
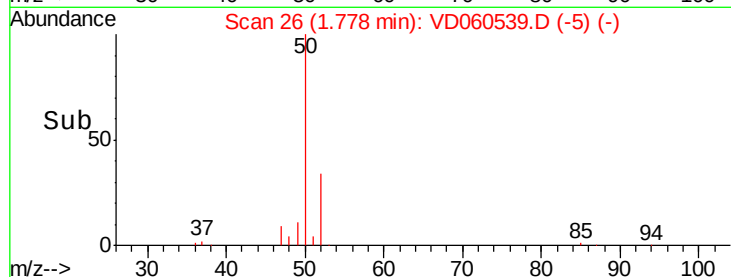
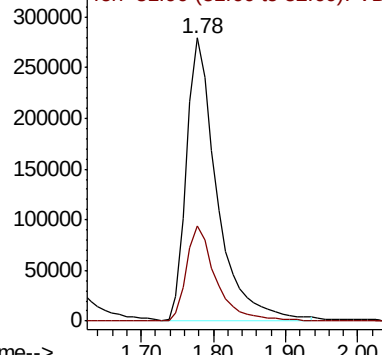
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.912 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060539.D

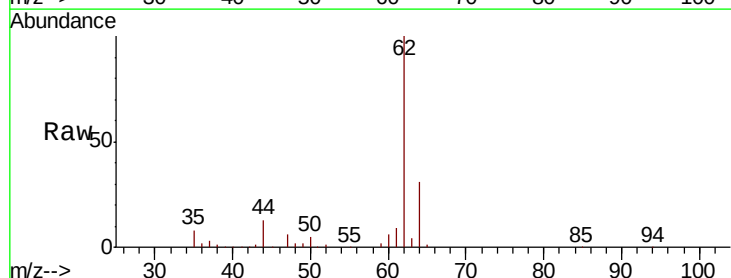
Acq: 12 Dec 2018 11:10

Tgt Ion: 62 Resp: 678057

Ion Ratio Lower Upper

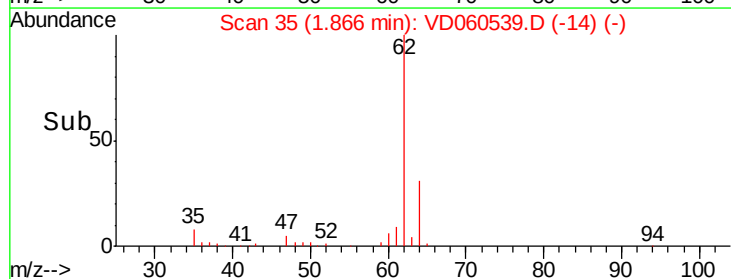
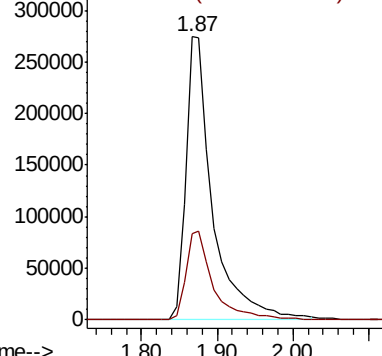
62 100

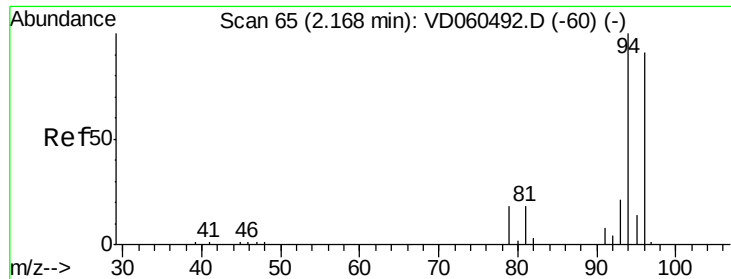
64 30.6 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.706 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 162135

Ion Ratio Lower Upper

94 100

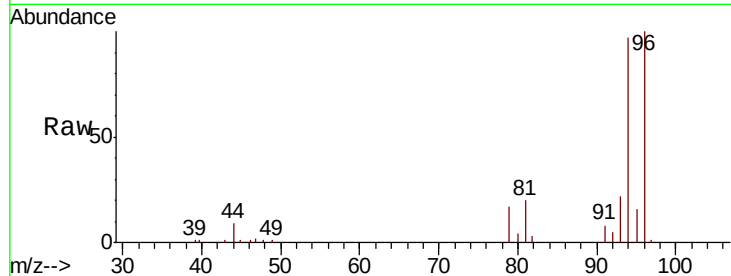
96 103.2 72.6 108.8

Manual Integrations

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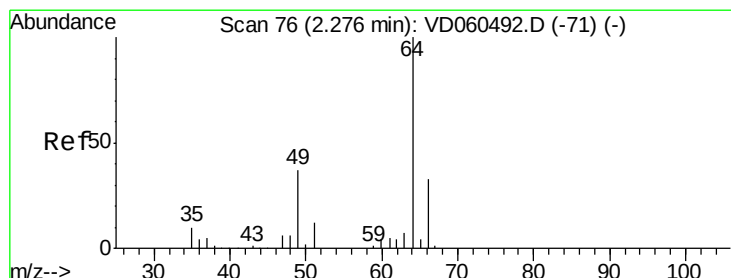
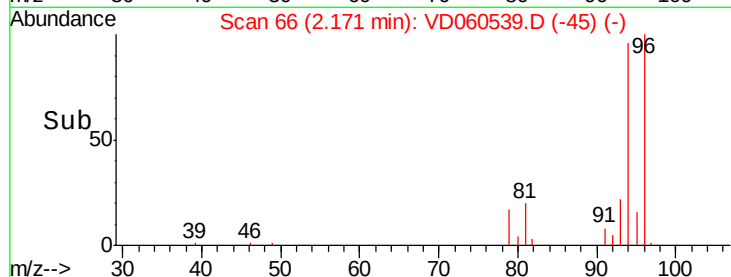
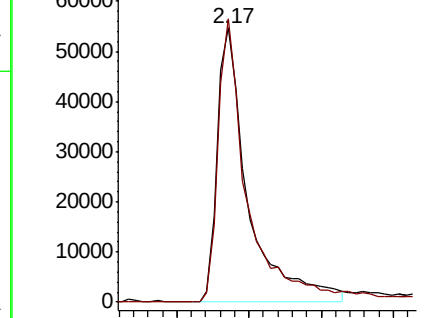
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.317 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060539.D

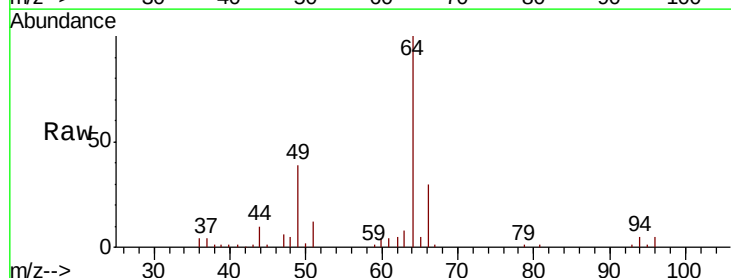
Acq: 12 Dec 2018 11:10

Tgt Ion: 64 Resp: 203368

Ion Ratio Lower Upper

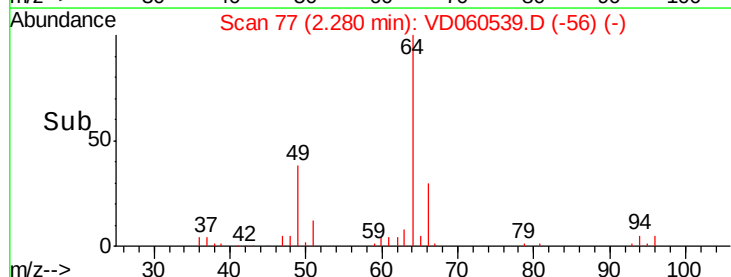
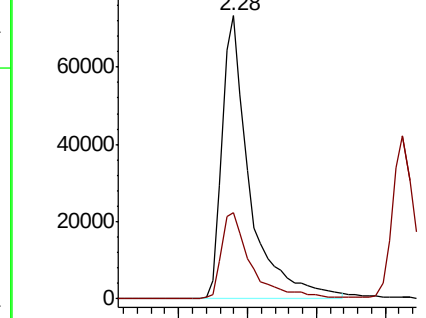
64 100

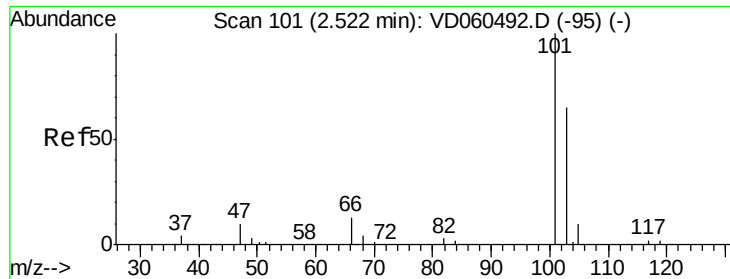
66 30.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

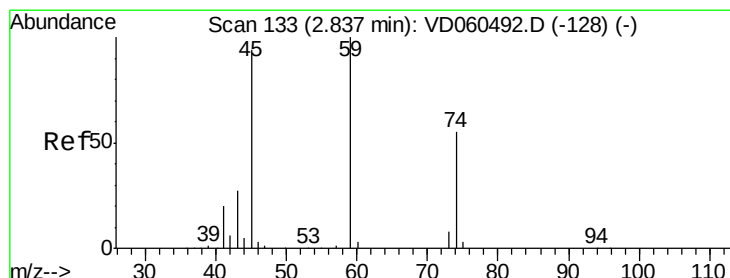
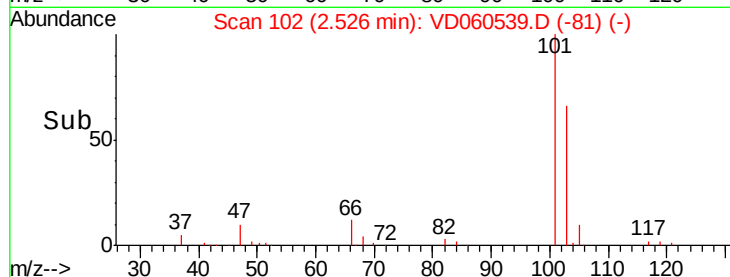
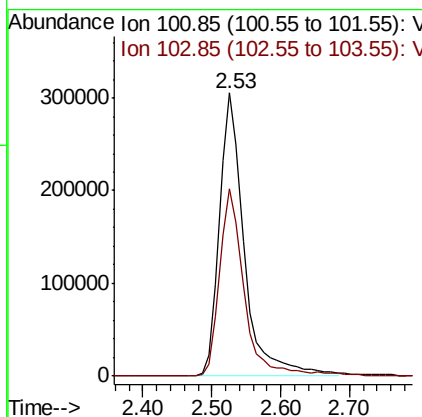
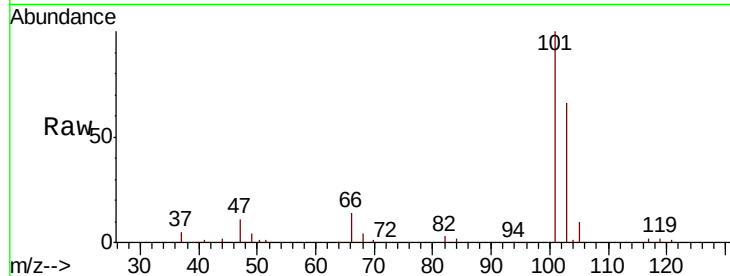
Trichlorofluoromethane
Concen: 48.781 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.8

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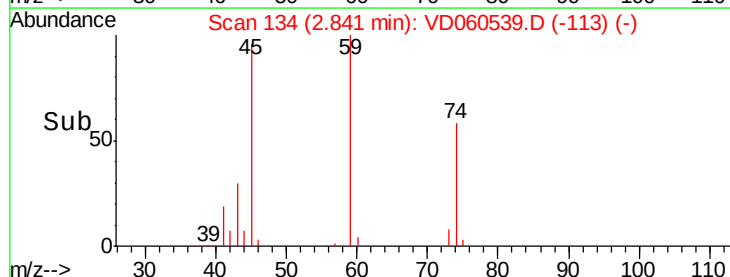
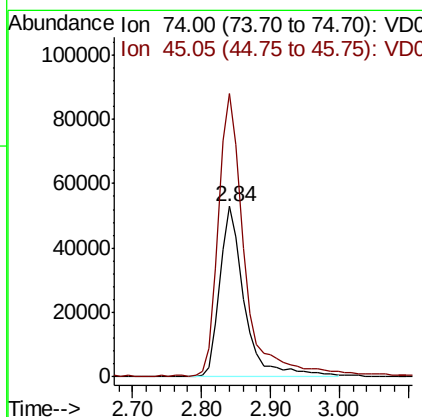
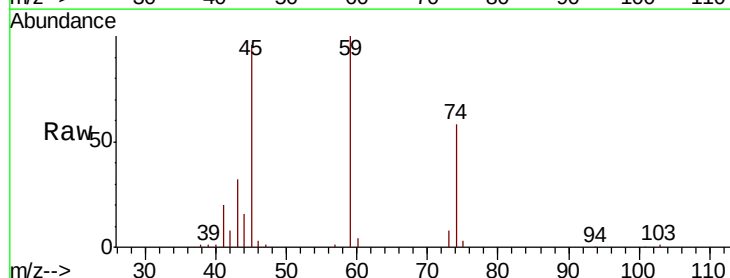
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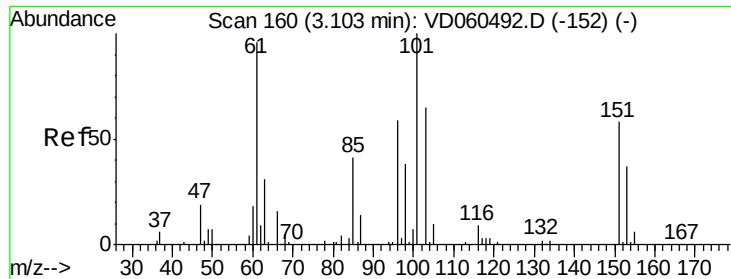


#8

Diethyl Ether
Concen: 48.783 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	166.3	86.0	258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.657 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

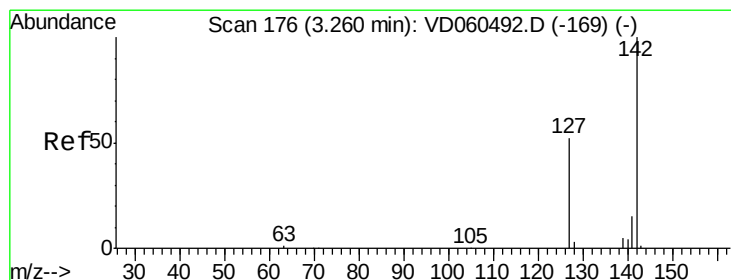
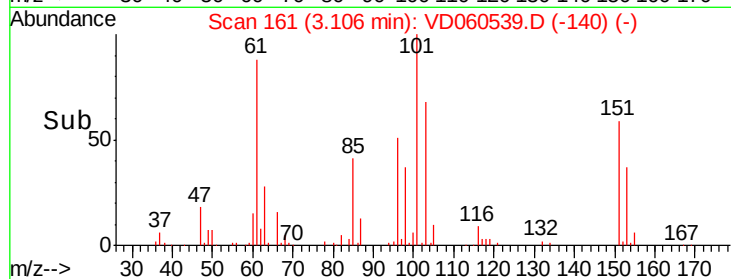
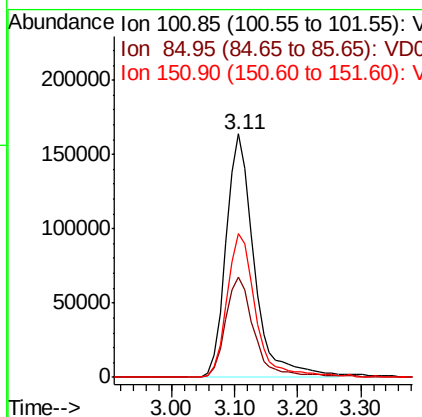
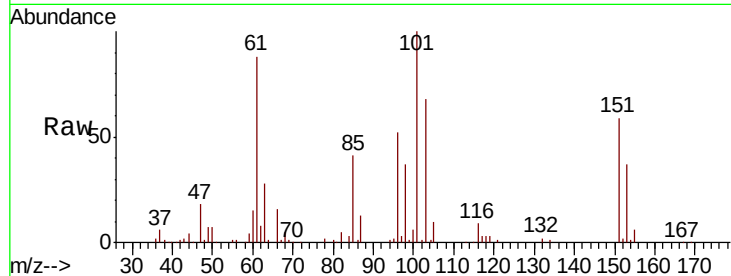
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	505398
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.7	49.1
151	58.8	46.6	69.8

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#10

Methyl Iodide

Concen: 50.004 ug/l

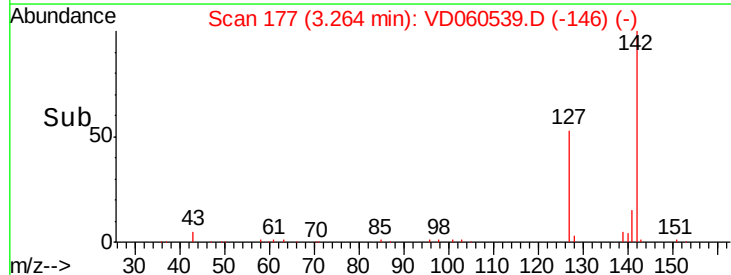
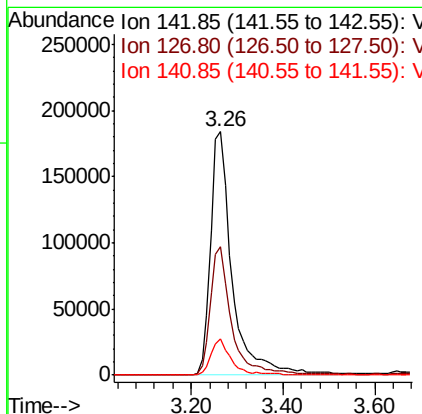
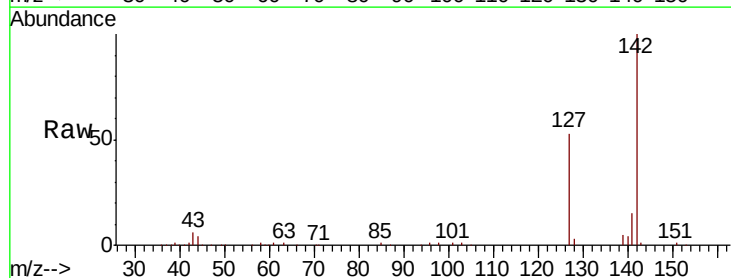
RT: 3.26 min Scan# 177

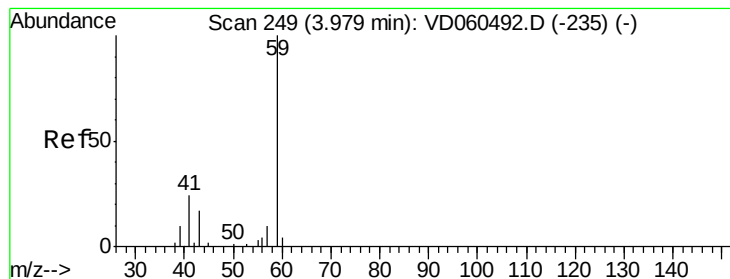
Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:	142	Resp:	594895
Ion Ratio	Lower	Upper	
142	100		
127	53.0	41.2	61.8
141	15.0	11.9	17.9





#11

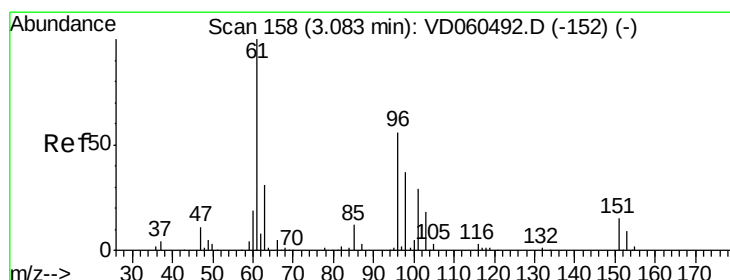
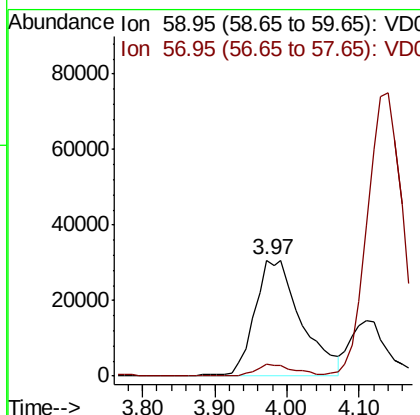
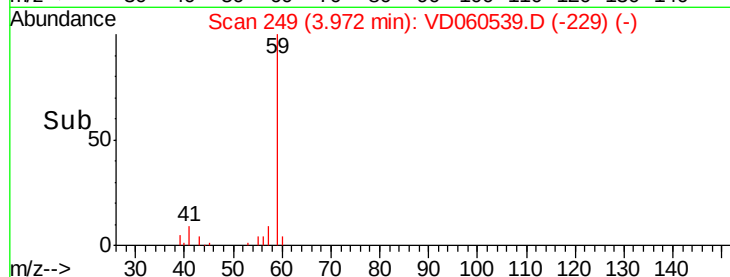
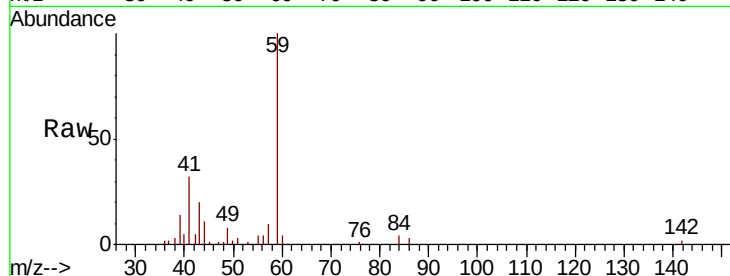
Tert butyl alcohol
Concen: 289.093 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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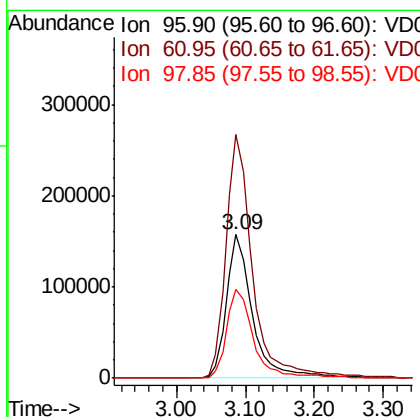
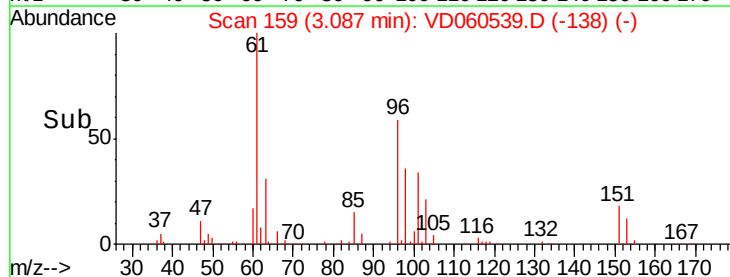
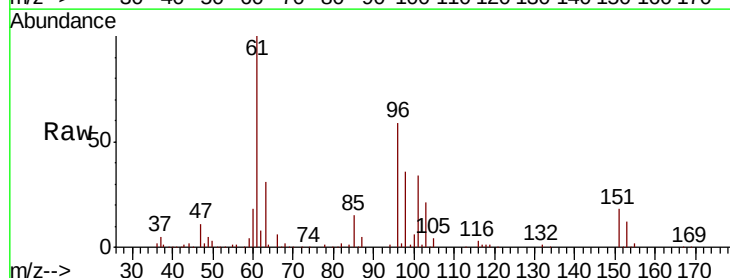
apatel
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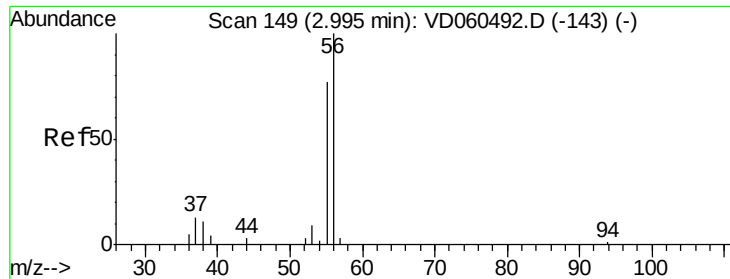


#12

1,1-Dichloroethene
Concen: 49.590 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	143.0	214.4
98	61.5	53.4	80.0





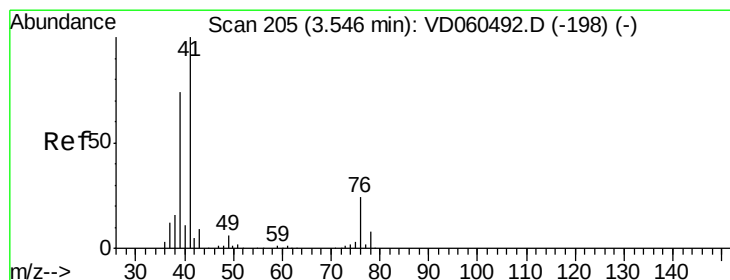
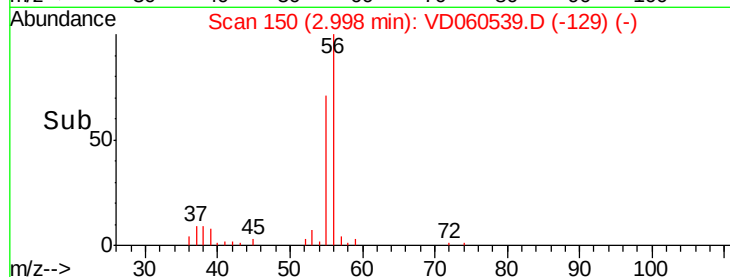
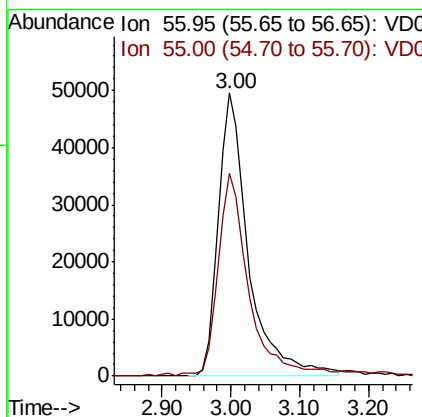
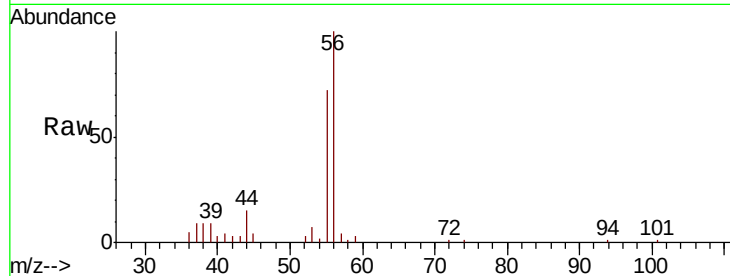
#13
Acrolein
Concen: 287.866 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	150062
Ion Ratio	100	Lower	Upper
56	100		
55	71.8	62.0	93.0

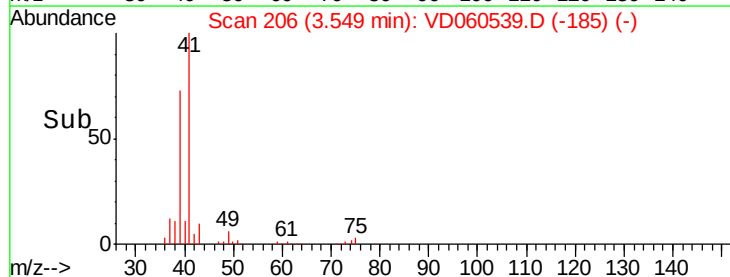
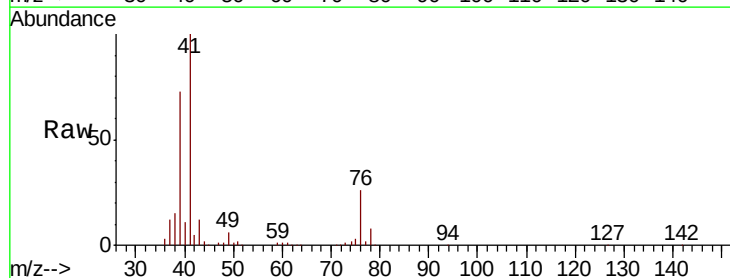
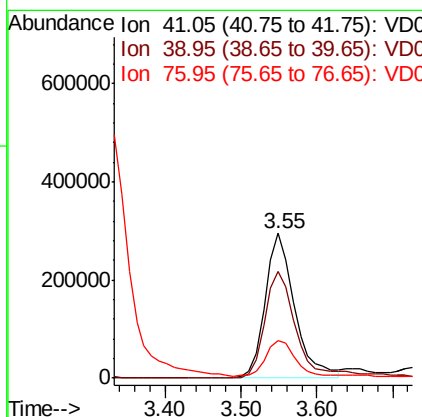
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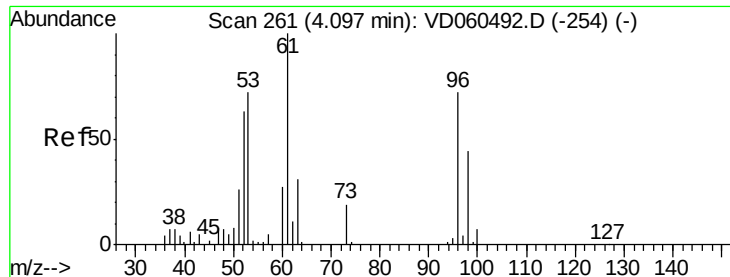
apatel
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#14
Allyl chloride
Concen: 50.780 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	41	Resp	797818
Ion Ratio	100	Lower	Upper
41	100		
39	73.3	59.3	88.9
76	25.7	21.0	31.6





#15

Acrylonitrile

Concen: 278.778 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 755172

Ion Ratio Lower Upper

53 100

52 84.6 70.0 105.0

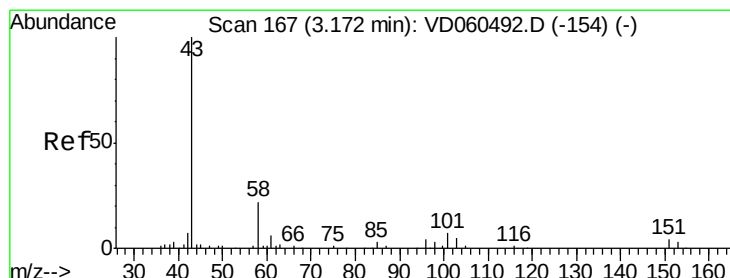
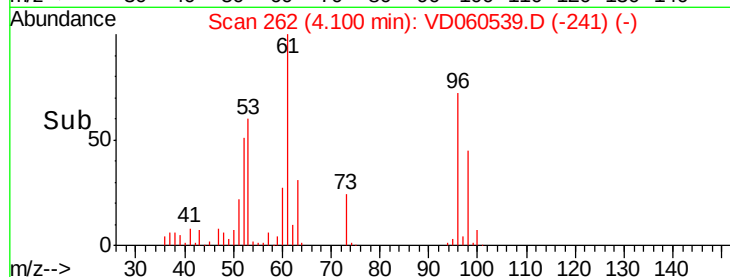
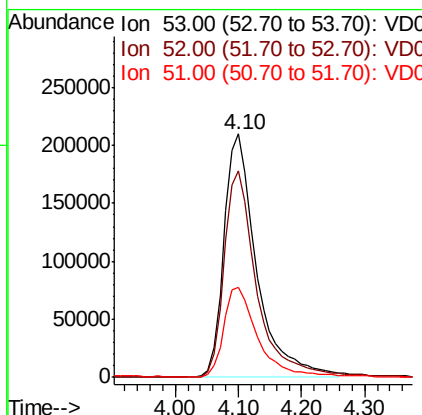
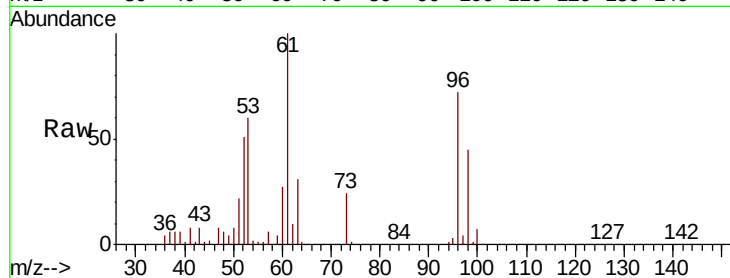
51 37.0 28.8 43.2

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#16

Acetone

Concen: 269.517 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060539.D

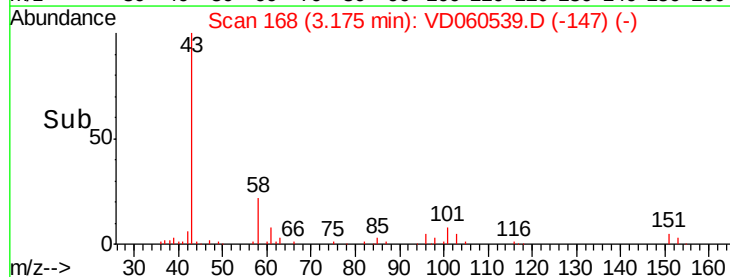
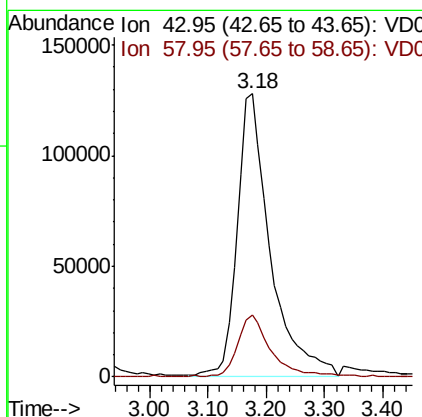
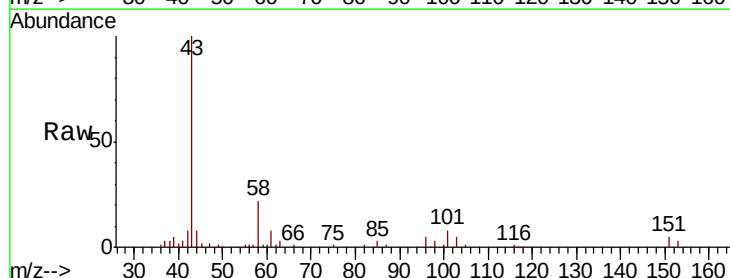
Acq: 12 Dec 2018 11:10

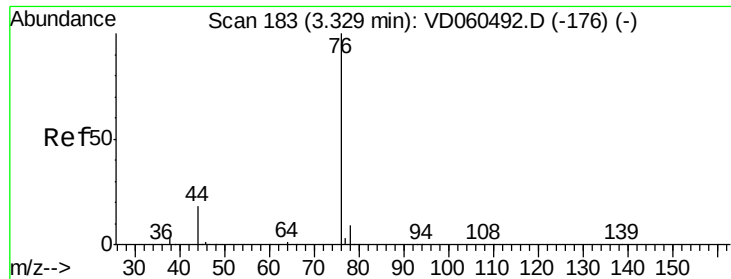
Tgt Ion: 43 Resp: 507304

Ion Ratio Lower Upper

43 100

58 21.9 17.3 25.9





#17

Carbon Disulfide

Concen: 50.344 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1354176

Ion Ratio Lower Upper

76 100

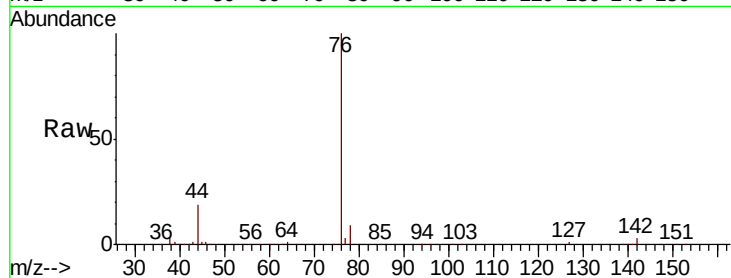
78 8.7 7.0 10.6

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

500000

400000

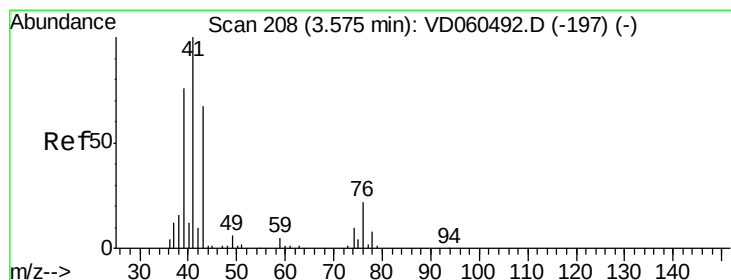
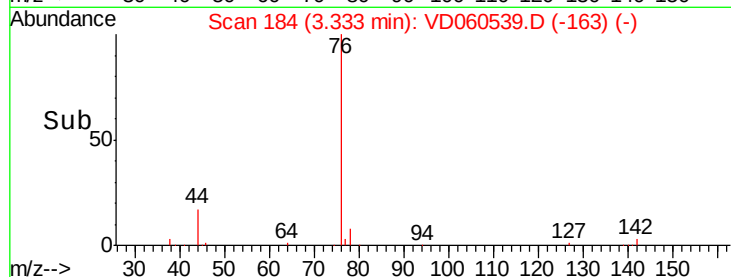
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.013 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.01 min

Lab File: VD060539.D

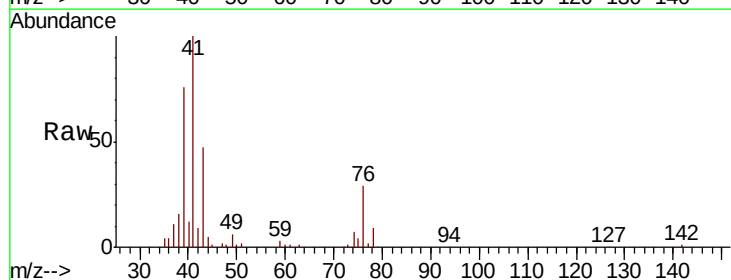
Acq: 12 Dec 2018 11:10

Tgt Ion: 43 Resp: 237153

Ion Ratio Lower Upper

43 100

74 15.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

80000

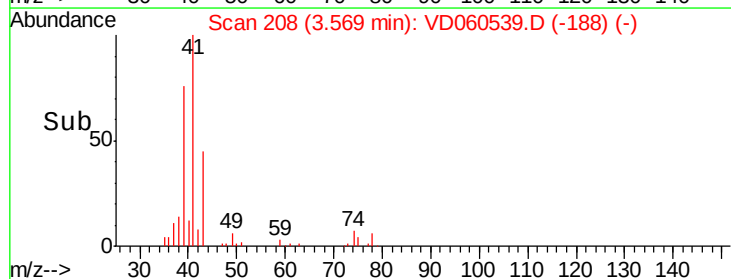
60000

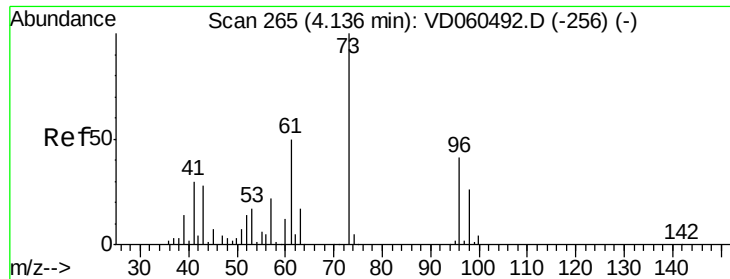
40000

20000

0

Time-->





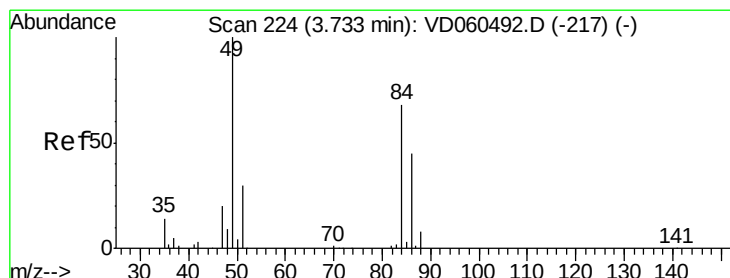
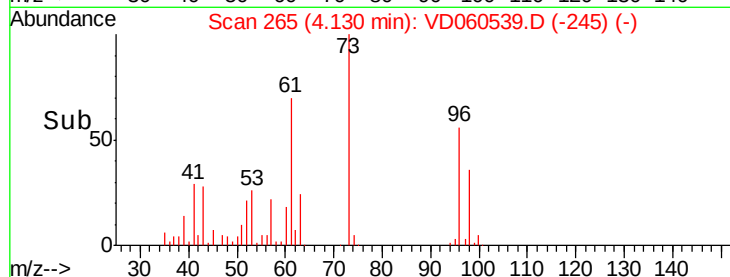
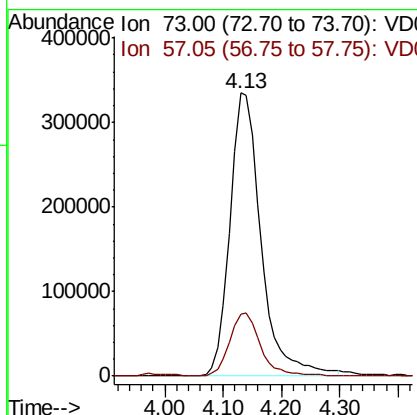
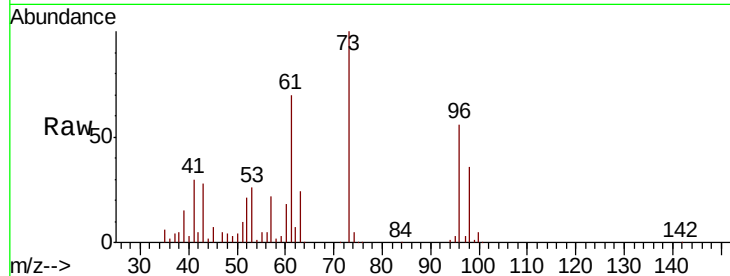
#19
Methvl tert-butvl Ether
Concen: 54.350 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1248089
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6

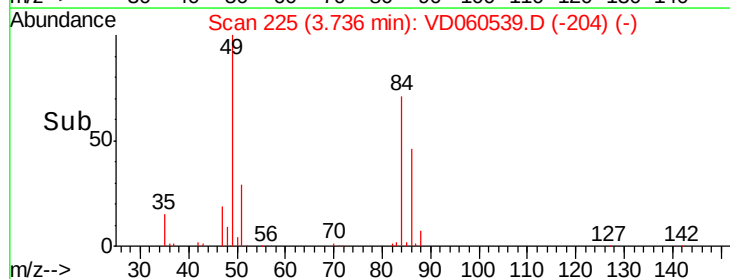
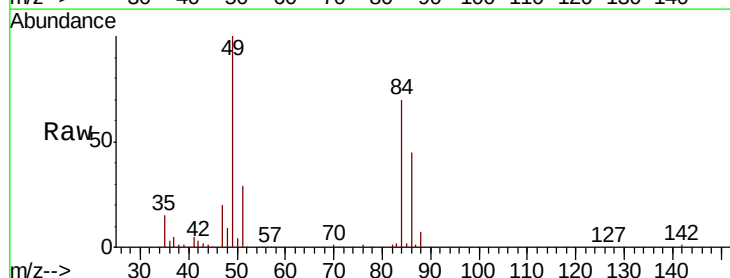
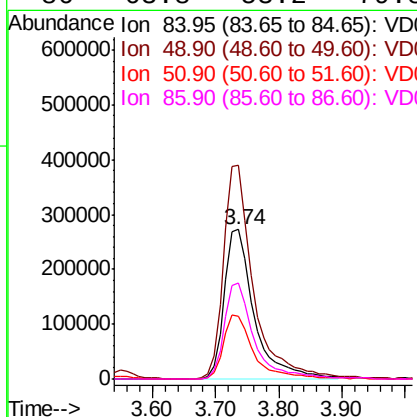
Manual Integrations
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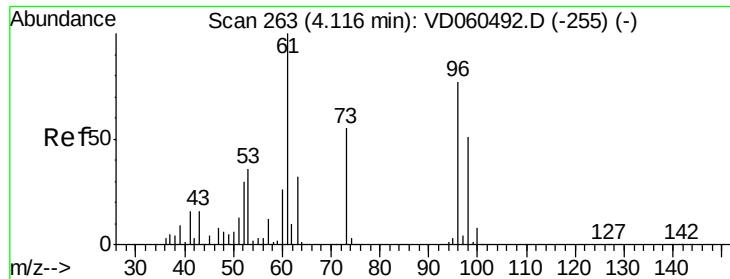
apatel
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#20
Methylene Chloride
Concen: 52.131 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 84 Resp: 897687
Ion Ratio Lower Upper
84 100
49 142.9 117.2 175.8
51 41.8 35.3 52.9
86 63.8 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.854 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 916025

Ion Ratio Lower Upper

96 100

61 133.2 104.2 156.4

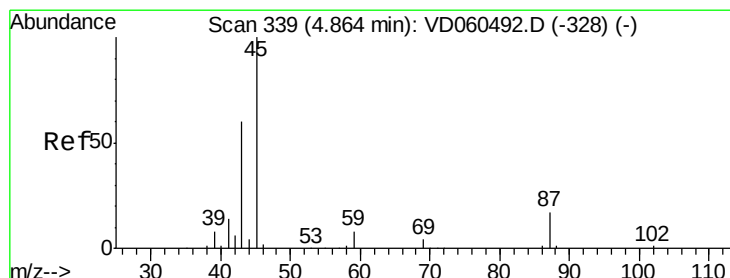
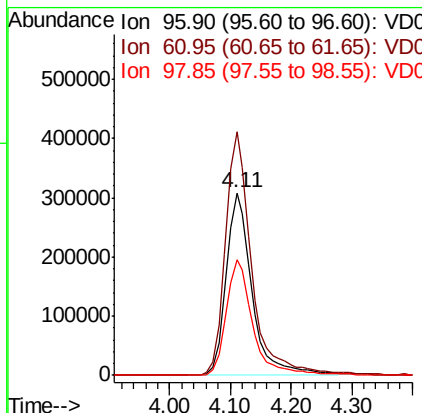
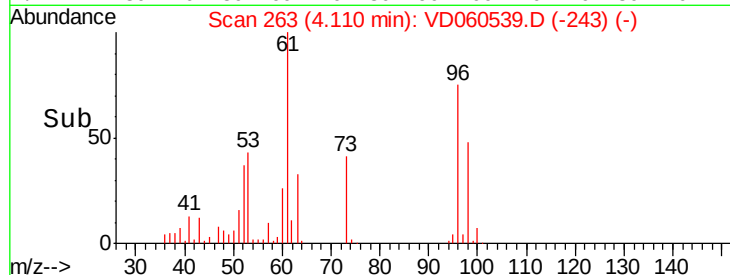
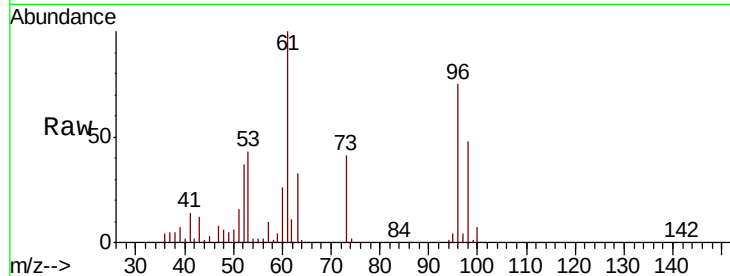
98 63.5 52.8 79.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.611 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion: 45 Resp: 3024148

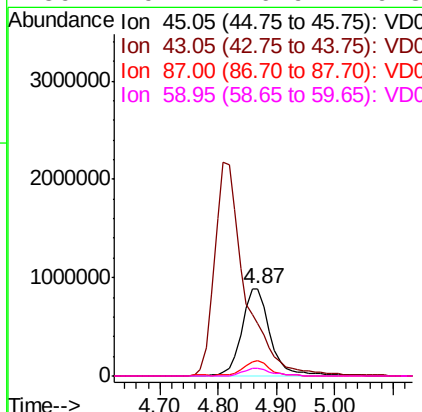
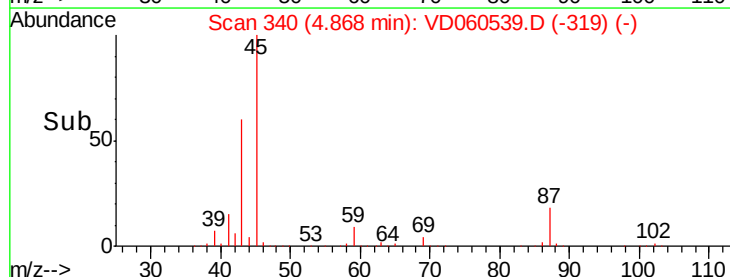
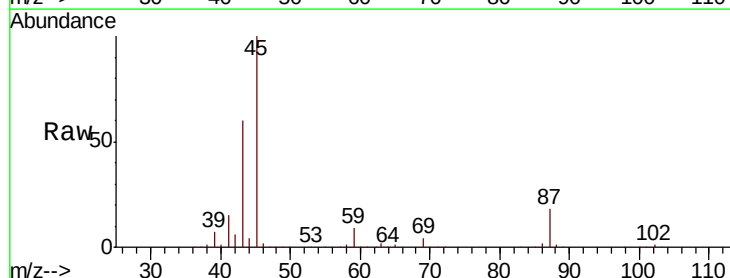
Ion Ratio Lower Upper

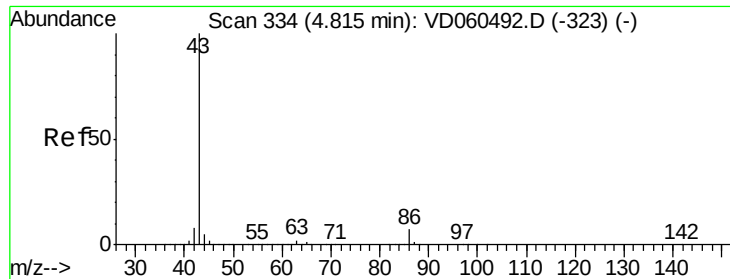
45 100

43 59.7 48.6 73.0

87 17.5 14.0 21.0

59 9.1 6.9 10.3





#23

Vinyl Acetate

Concen: 279.525 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7812272

Ion Ratio Lower Upper

43 100

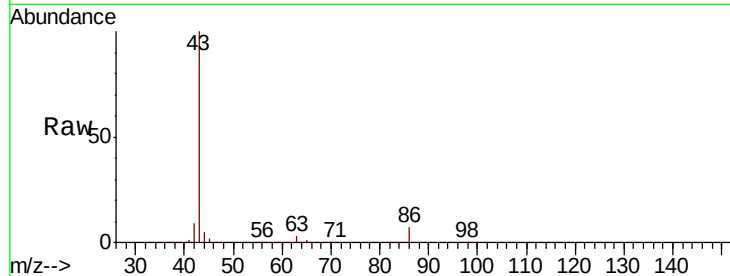
86 6.5 5.5 8.3

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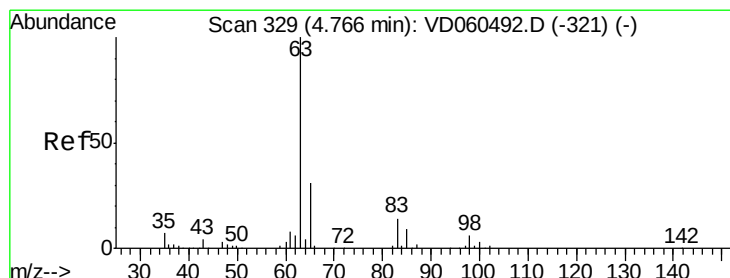
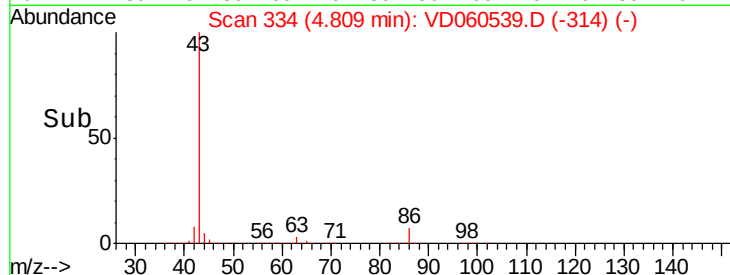
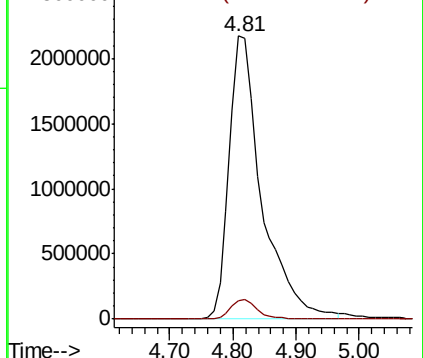
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.797 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

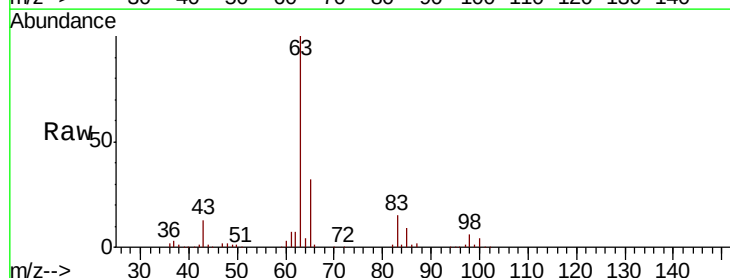
Tgt Ion: 63 Resp: 1547202

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

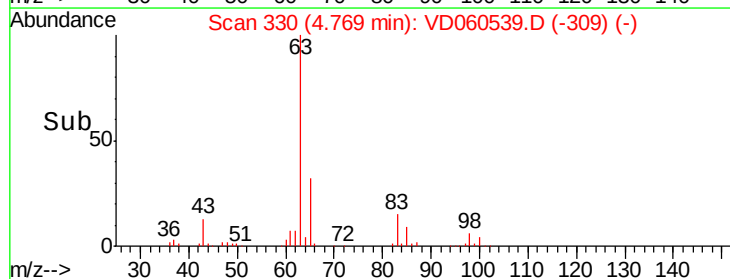
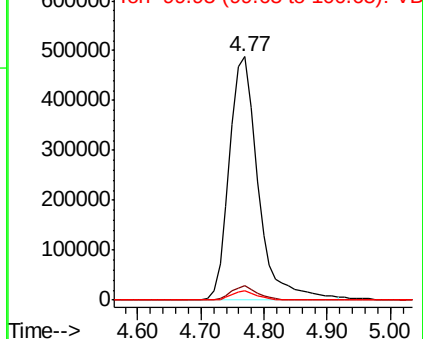
100 3.7 1.7 5.1

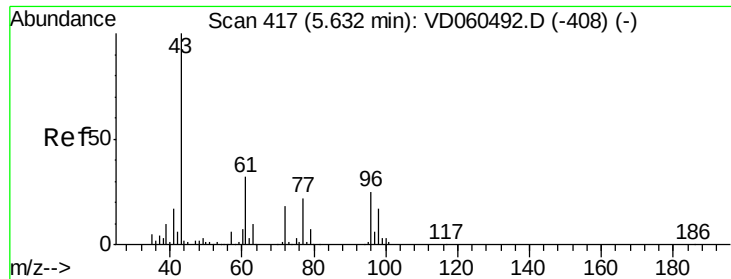


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.727 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1028475

Ion Ratio Lower Upper

43 100

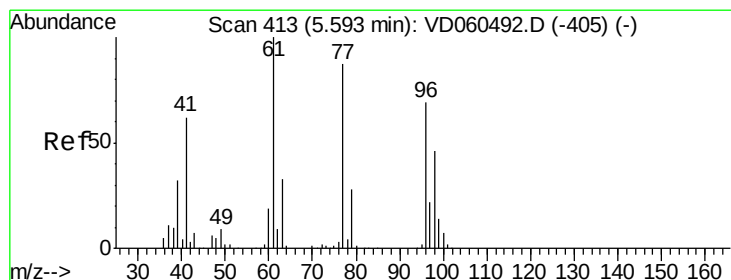
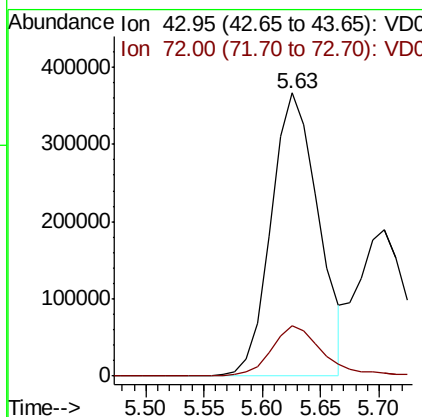
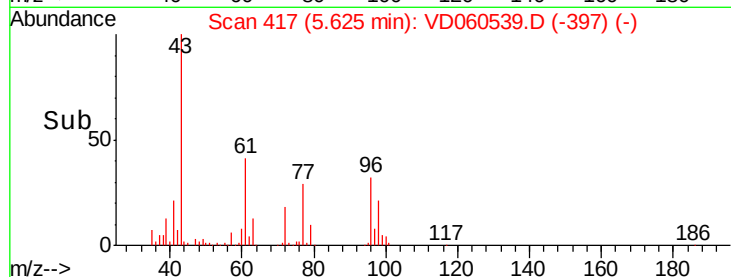
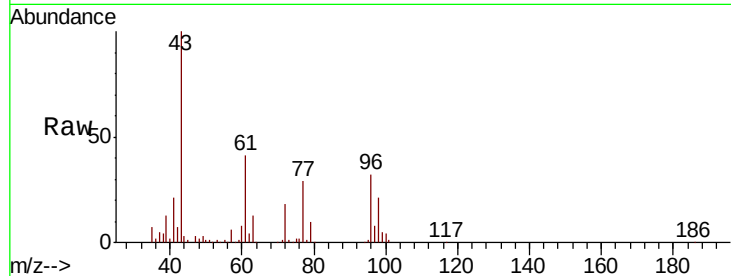
72 17.8 14.6 21.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.611 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060539.D

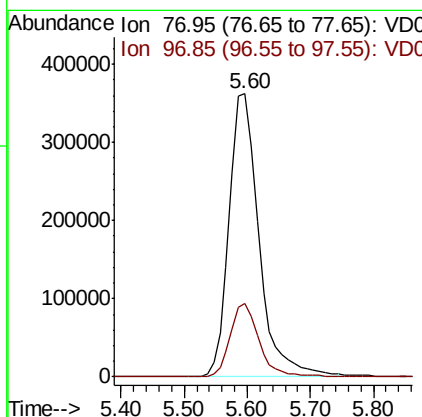
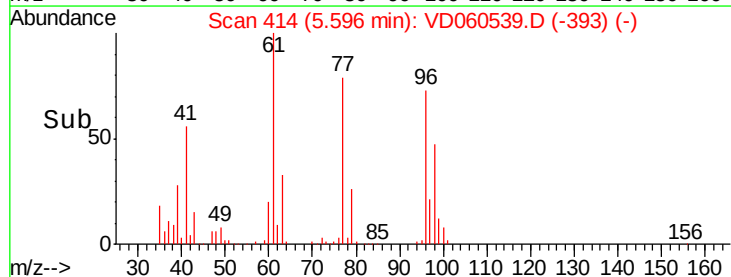
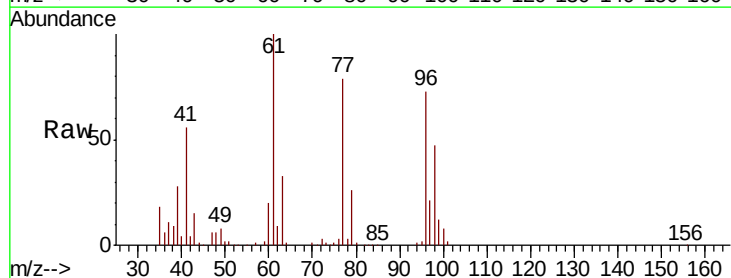
Acq: 12 Dec 2018 11:10

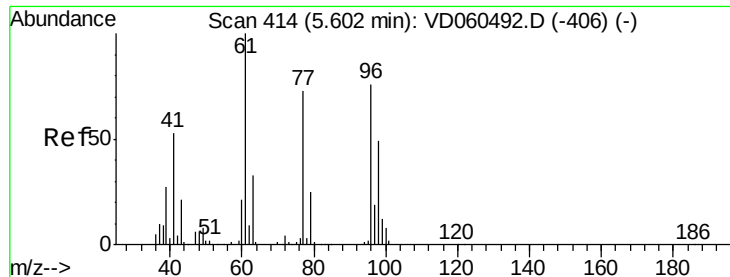
Tgt Ion: 77 Resp: 1191029

Ion Ratio Lower Upper

77 100

97 26.1 12.7 38.0





#27

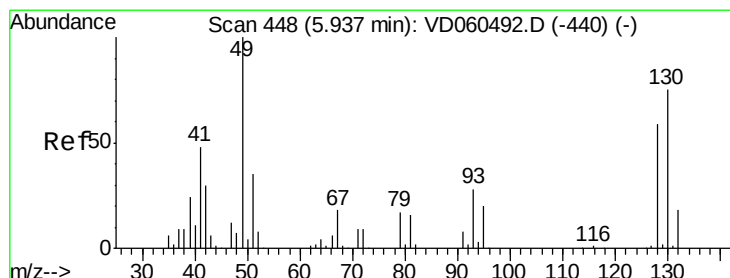
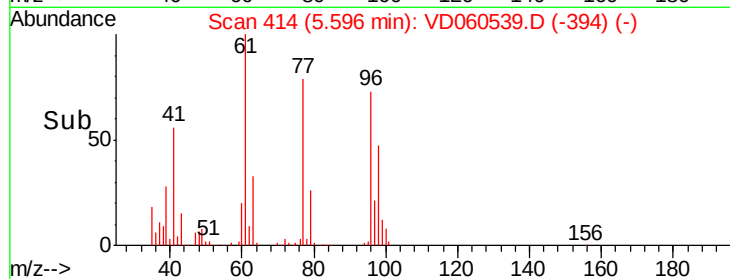
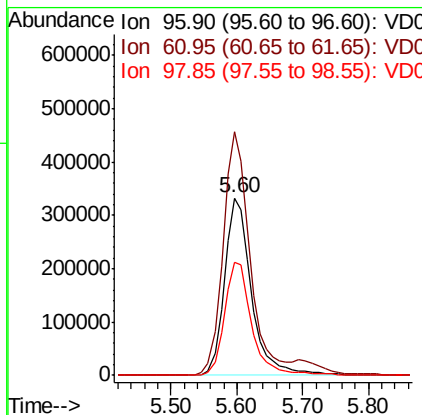
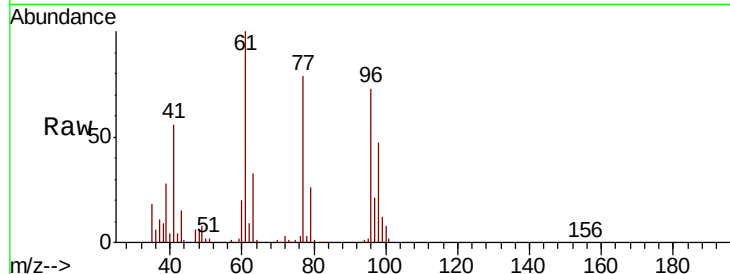
cis-1,2-Dichloroethene
Concen: 51.966 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.1	0.0	263.6	
98	64.0	0.0	128.2	

Manual Integrations
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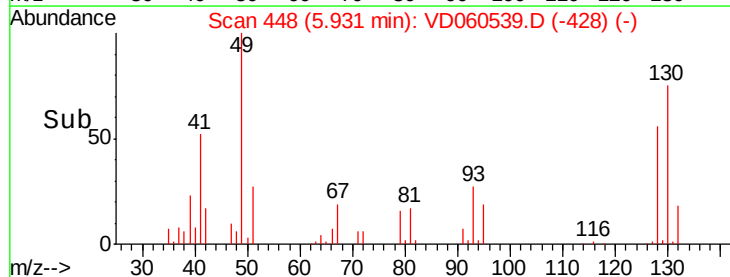
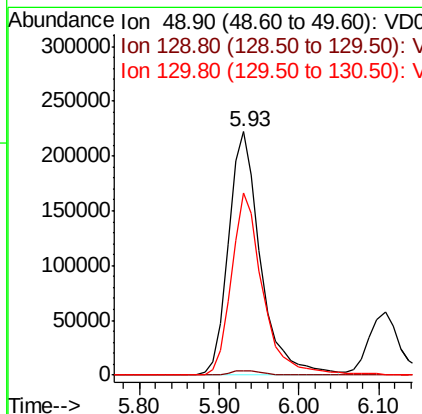
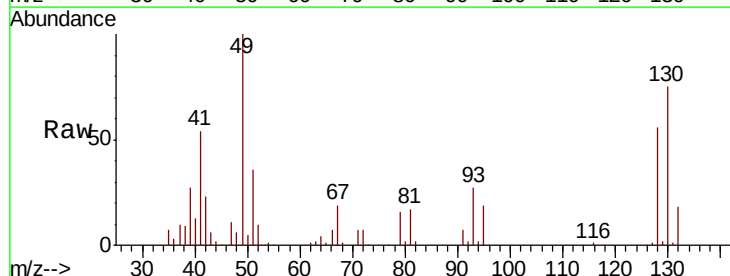
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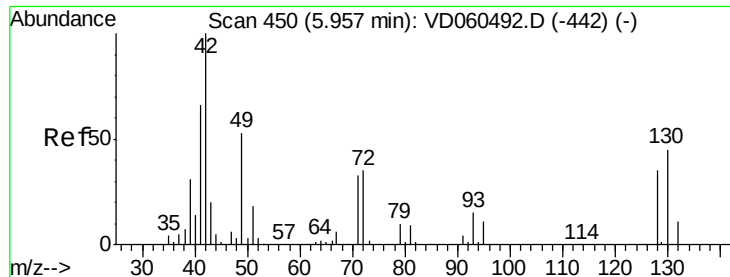


#28

Bromochloromethane
Concen: 47.953 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.4	
130	74.7	59.8	89.6	





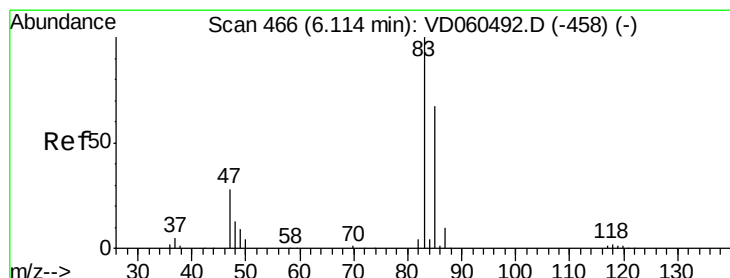
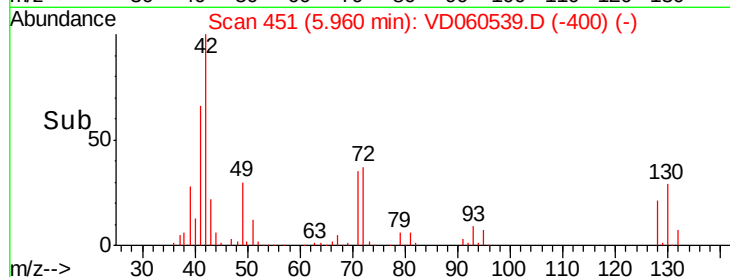
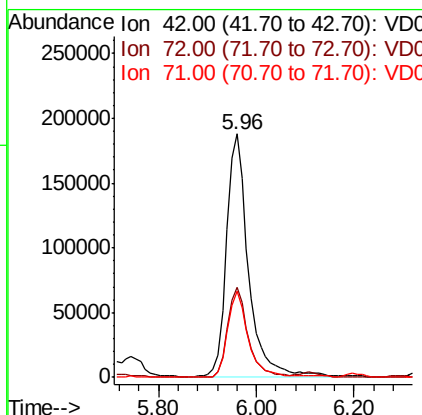
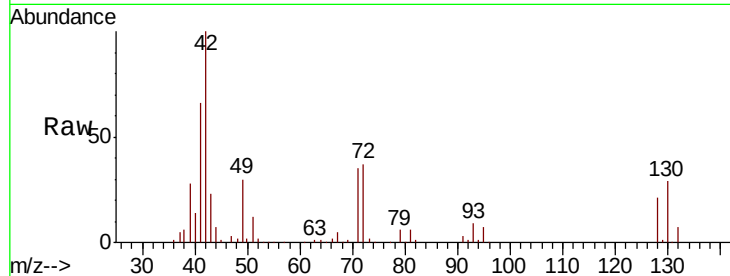
#29
Tetrahydrofuran
Concen: 279.265 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	28.0	42.0
71	33.0	27.2	40.8

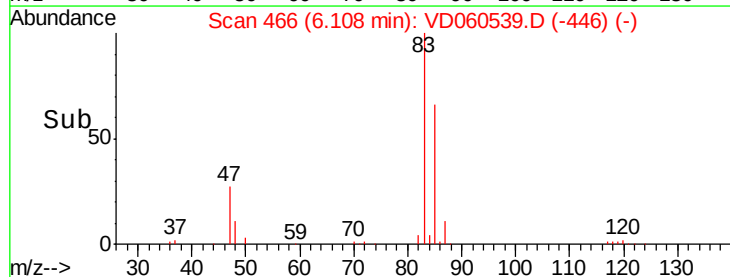
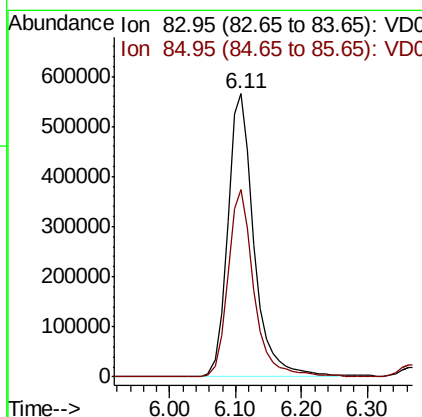
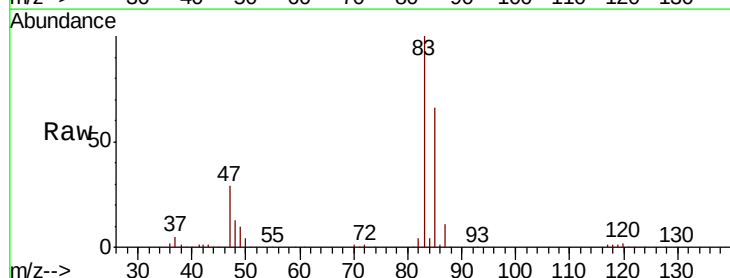
Manual Integrations
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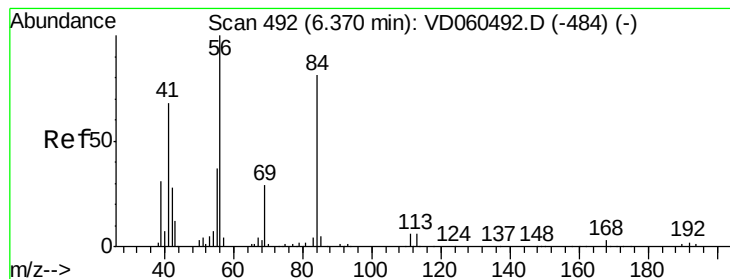
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#30
Chloroform
Concen: 53.302 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.4	80.2





#31

Cyclohexane

Concen: 55.187 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1372971

Ion Ratio Lower Upper

56 100

69 29.0 22.8 34.2

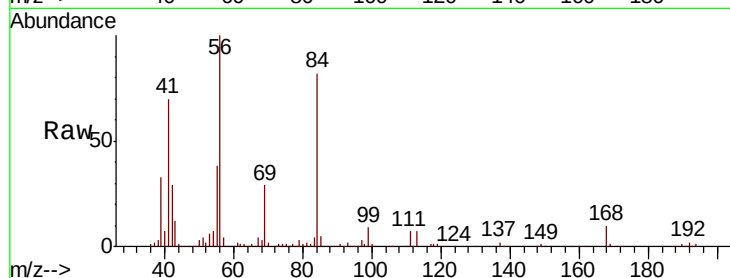
84 82.4 65.1 97.7

Manual Integrations

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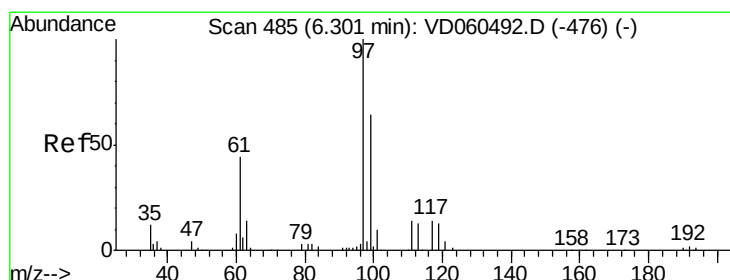
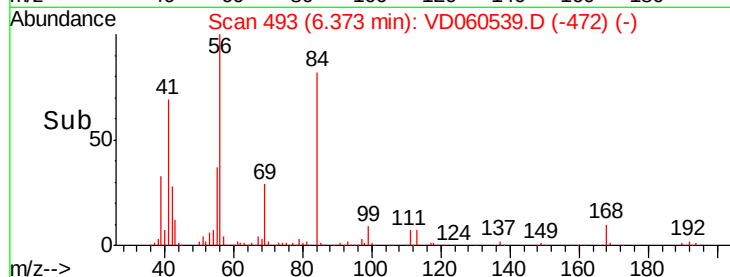
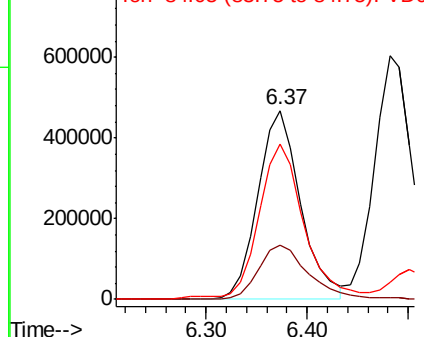


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.853 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

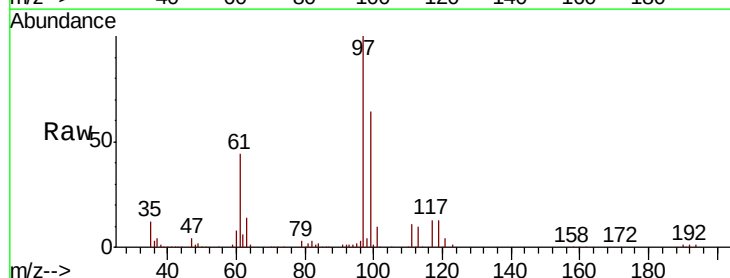
Tgt Ion: 97 Resp: 1307057

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 44.2 35.3 52.9

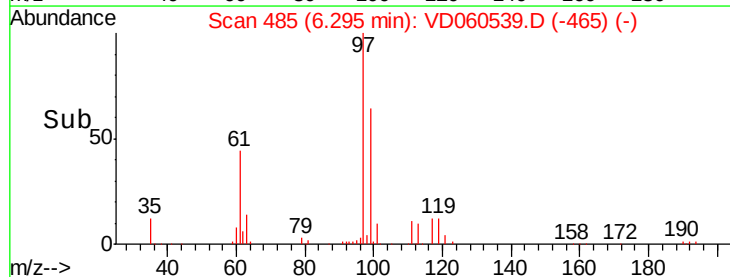
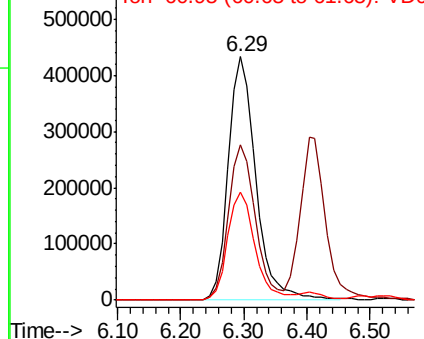


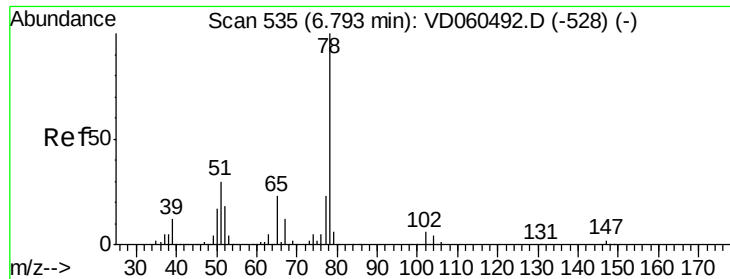
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.853 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 630298

Ion Ratio Lower Upper

65 100

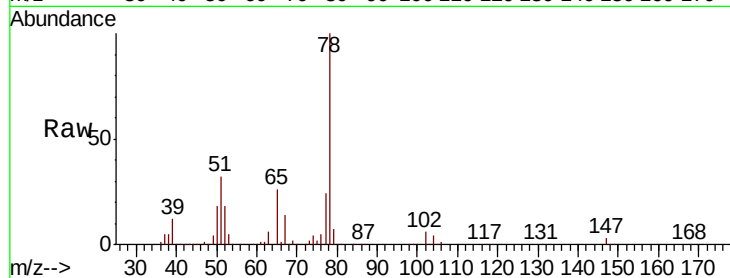
67 53.2 0.0 106.8

Manual Integrations

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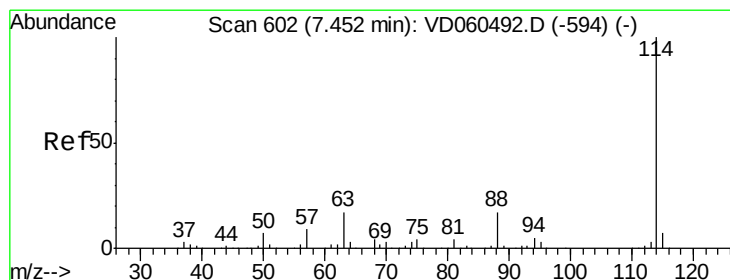
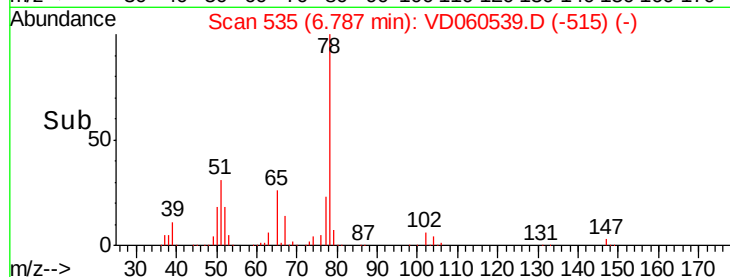
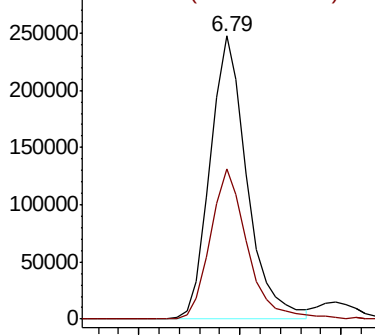
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

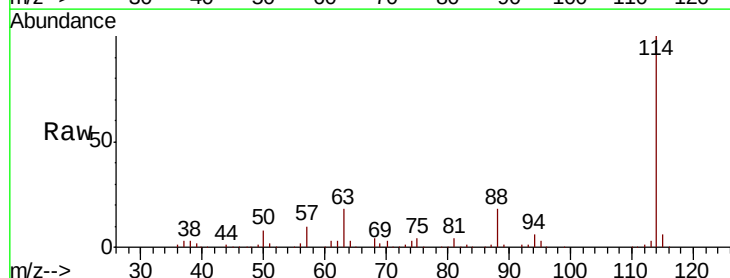
Tgt Ion: 114 Resp: 2289801

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.2

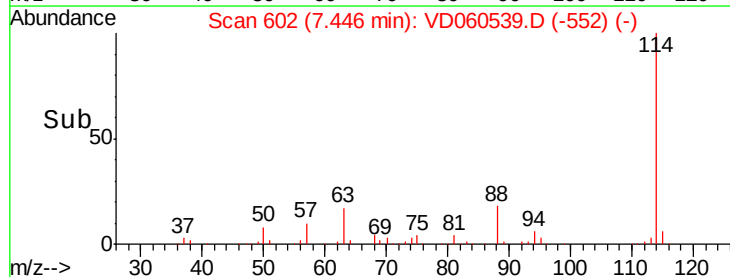
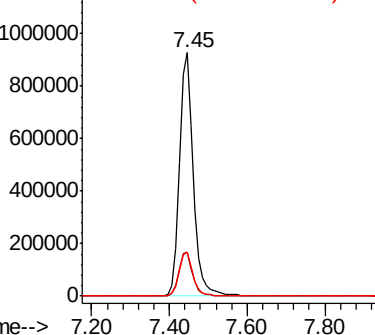
88 18.3 0.0 35.0

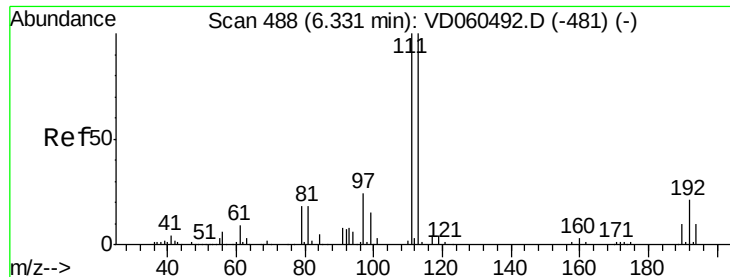


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

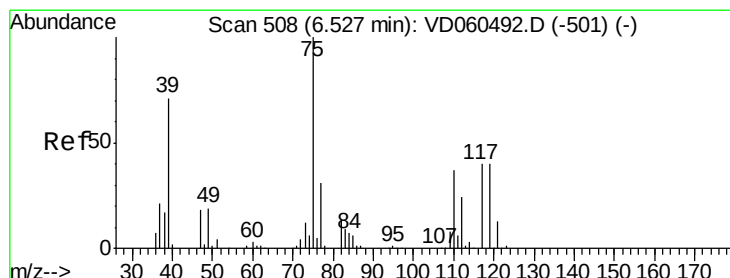
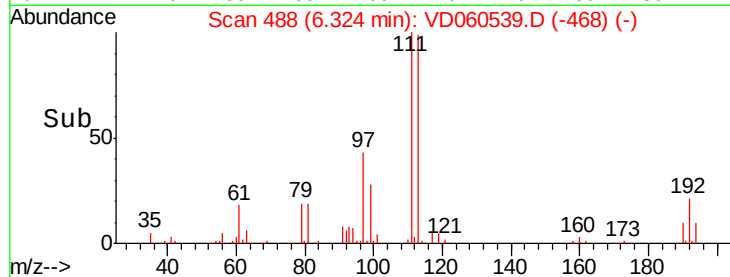
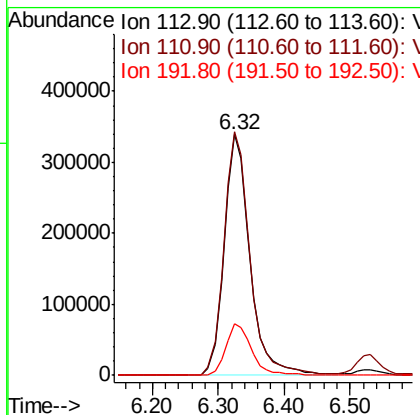
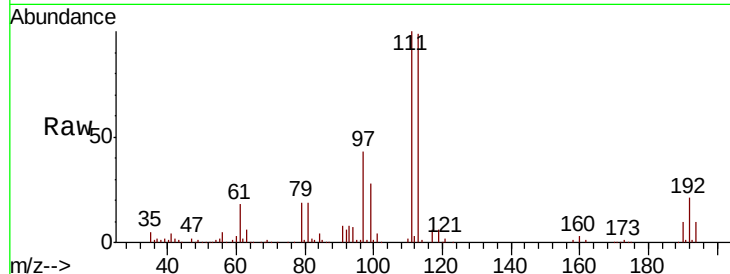
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	928520
Ion Ratio	Lower	Upper	
113	100		
111	101.0	80.2	120.4
192	21.2	16.6	24.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.536 ug/l

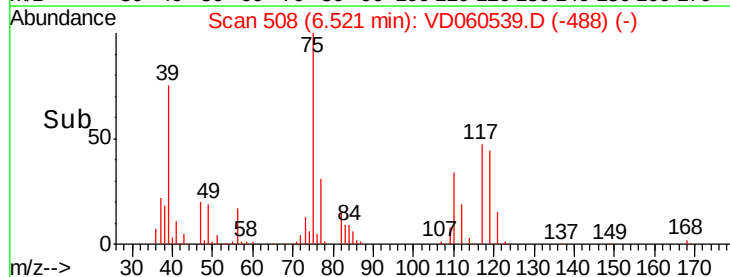
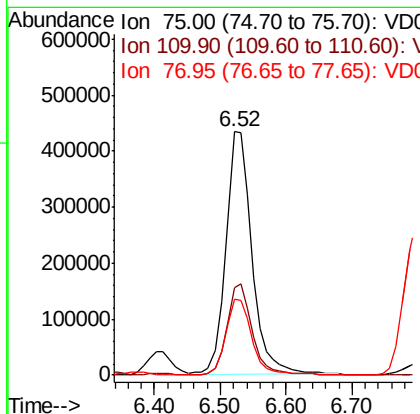
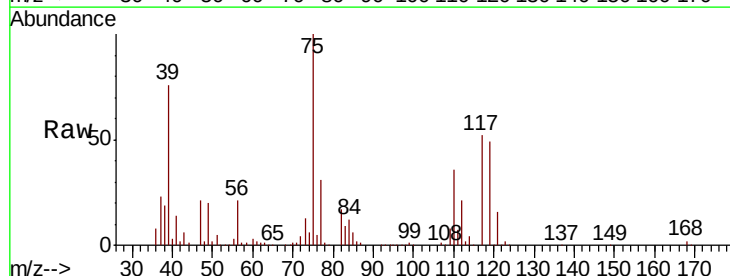
RT: 6.52 min Scan# 508

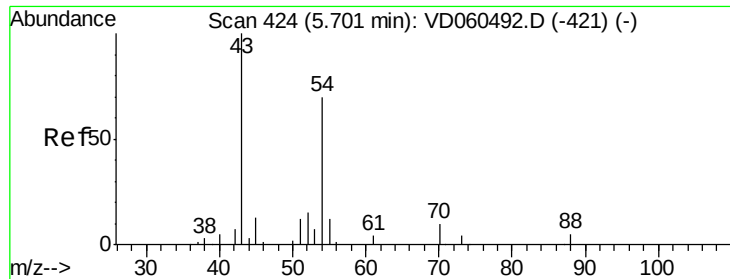
Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:	75	Resp:	1198268
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.3	54.8
77	31.0	24.6	37.0





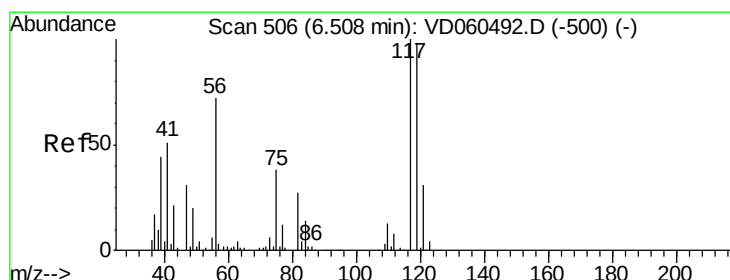
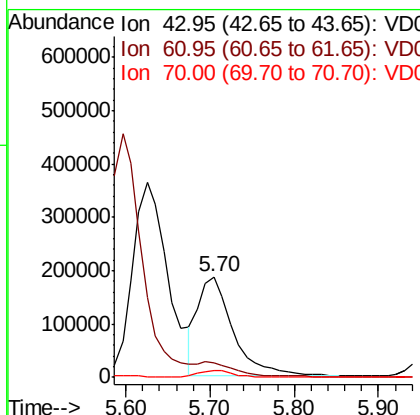
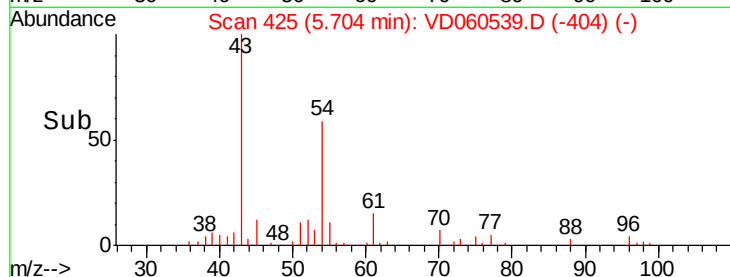
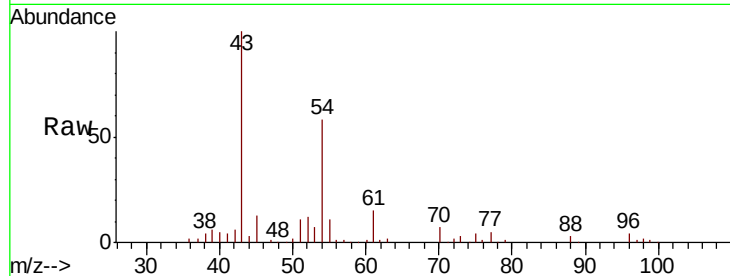
#37
Ethyl Acetate
Concen: 55.017 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	7.4	5.4	8.0

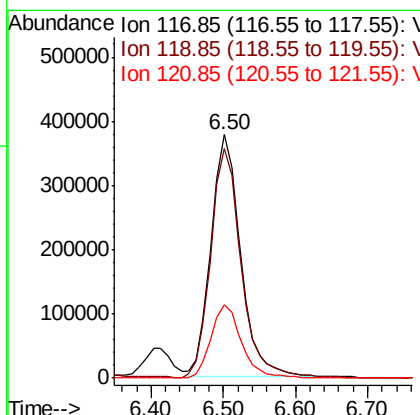
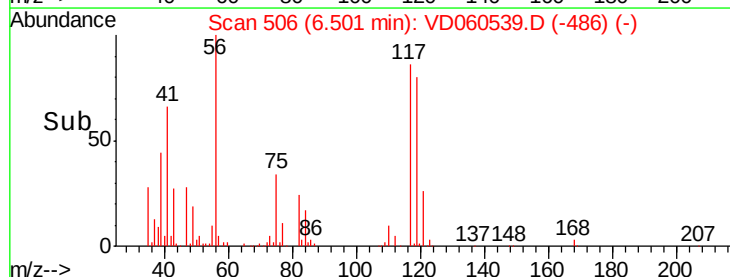
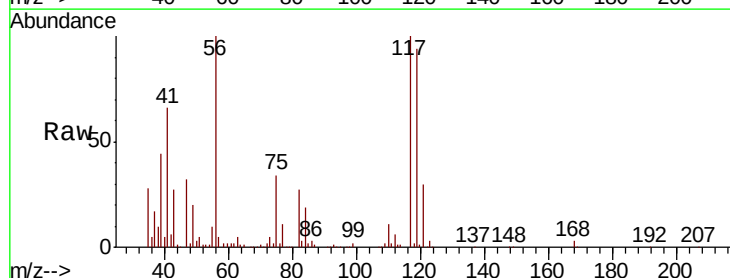
Manual Integrations
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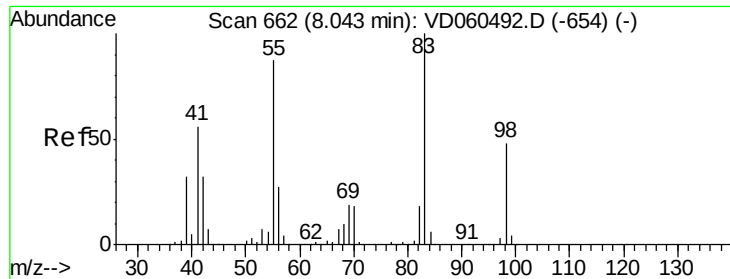
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#38
Carbon Tetrachloride
Concen: 53.063 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.2	24.4	36.6





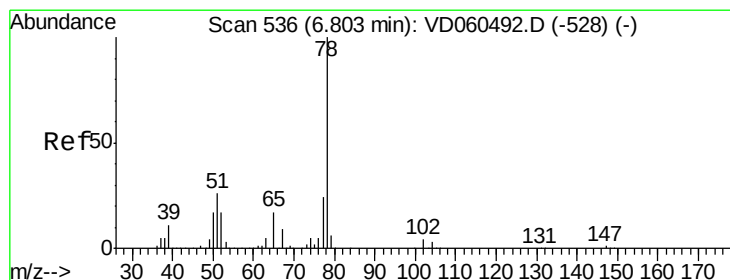
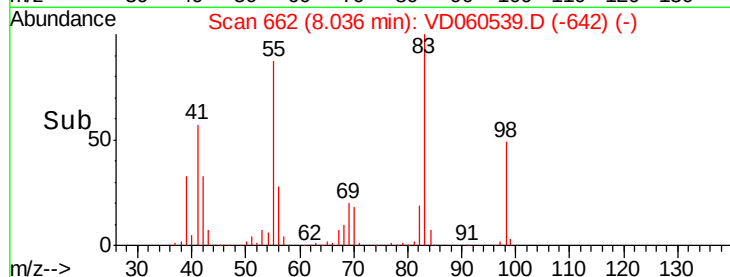
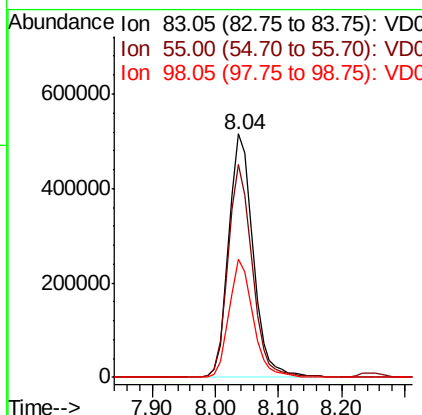
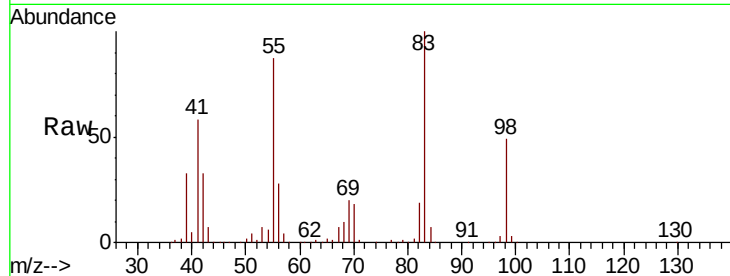
#39
Methylvlcyclohexane
Concen: 54.139 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1381386
Ion Ratio Lower Upper
83 100
55 87.3 69.8 104.8
98 48.6 38.4 57.6

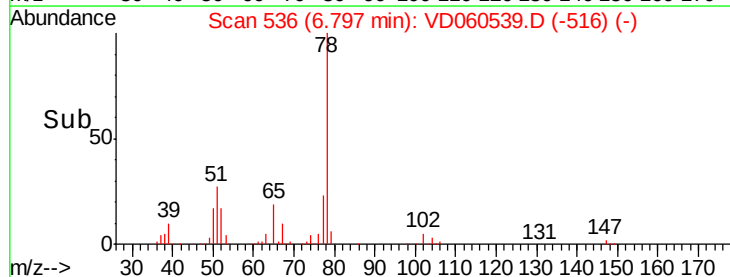
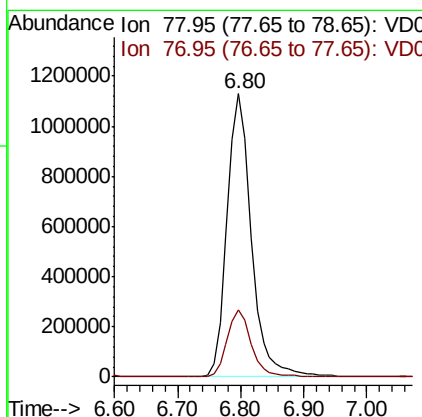
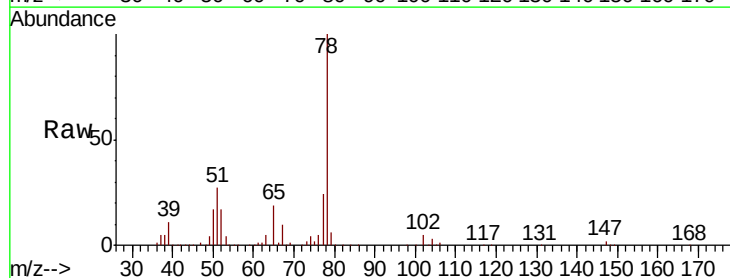
Manual Integrations
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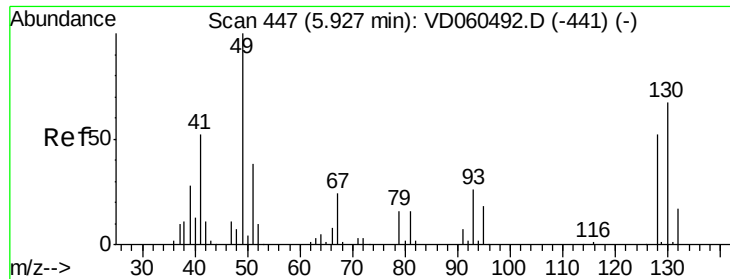
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#40
Benzene
Concen: 52.738 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 78 Resp: 3016716
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3





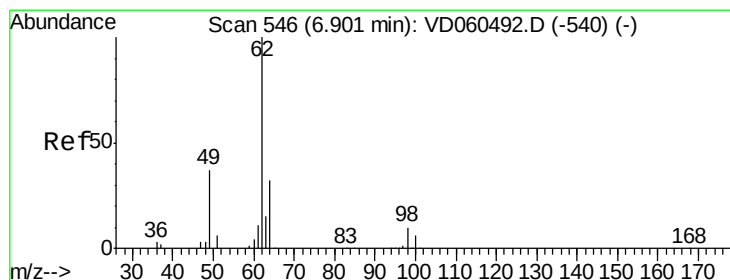
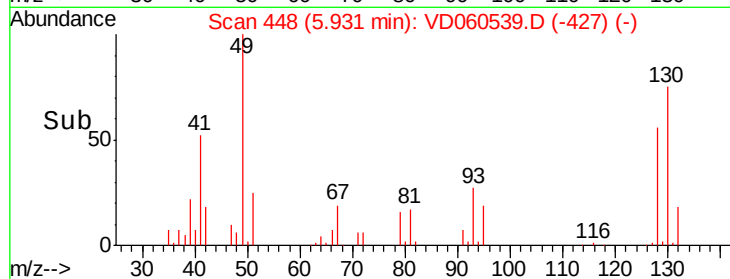
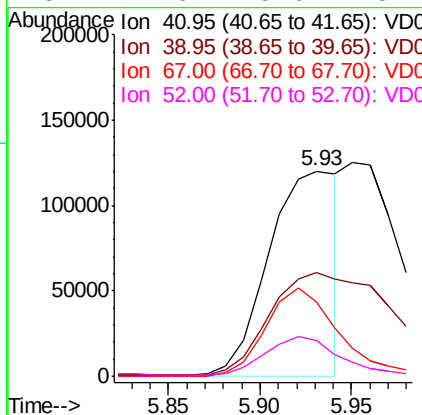
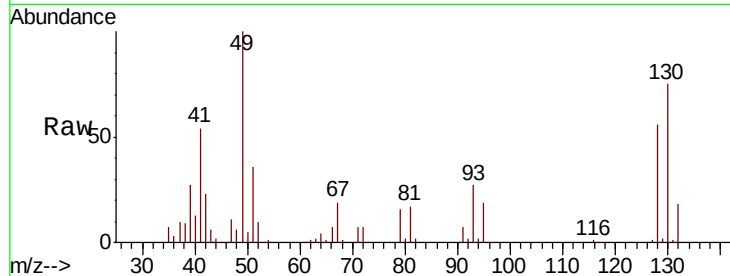
#41
Methacrylonitrile
Concen: 60.437 ug/l m
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.5	42.6	63.8
67	36.0	36.2	54.4
52	17.6	15.6	23.4

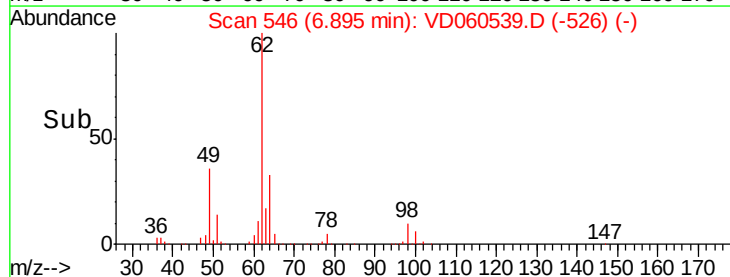
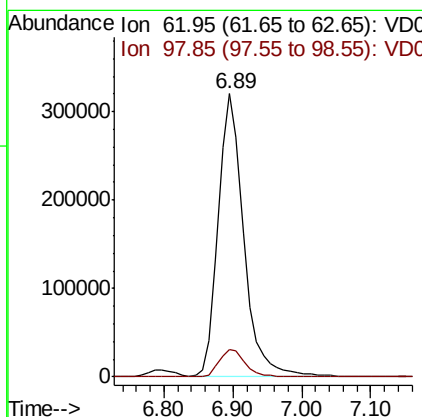
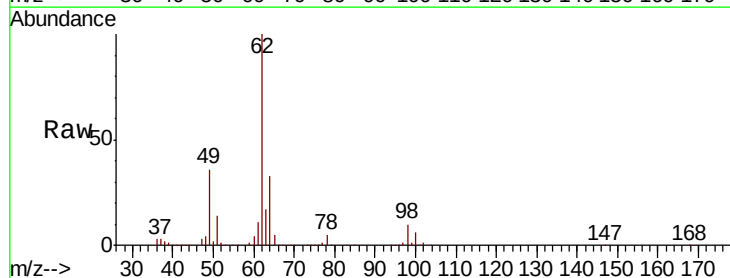
Manual Integrations
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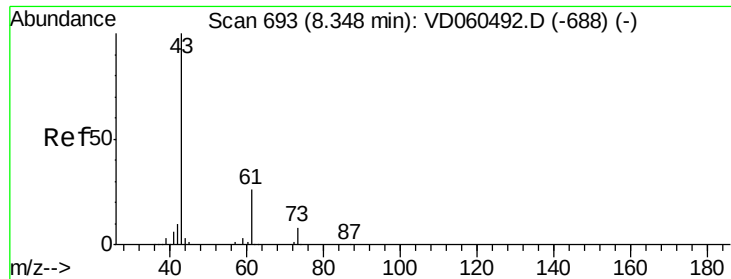
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#42
1,2-Dichloroethane
Concen: 56.276 ug/l
RT: 6.89 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 59.222 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

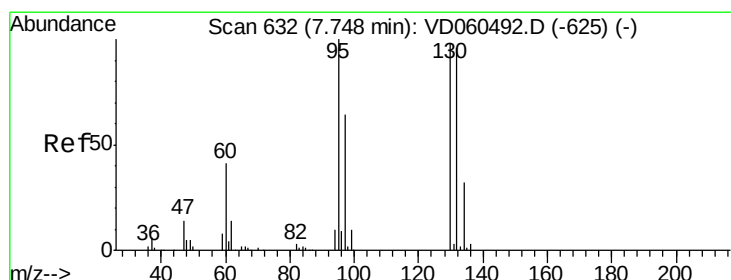
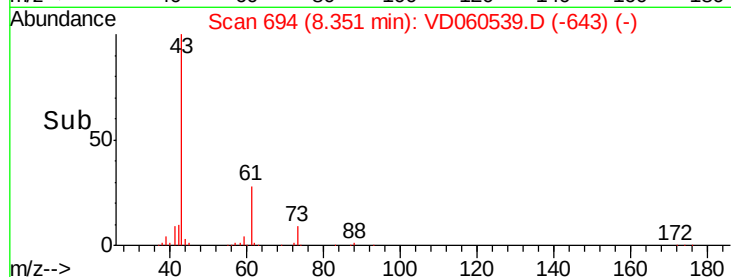
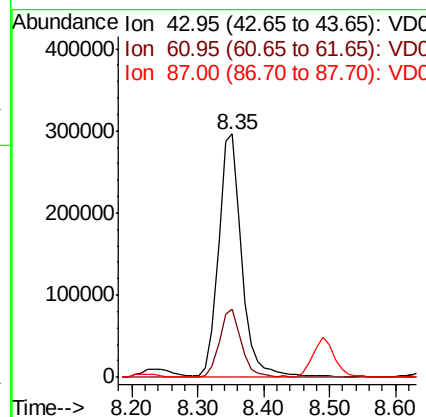
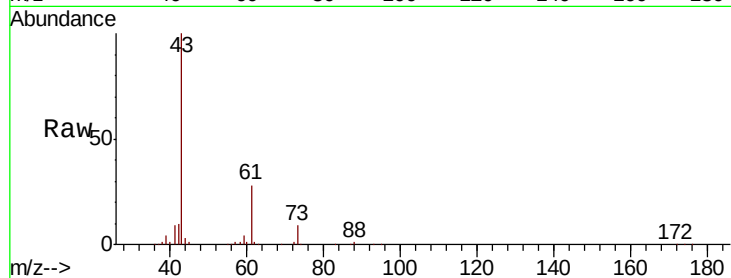
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	709621
Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.0	31.4
87	0.2	0.2	0.2

Manual Integrations
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#44

Trichloroethene

Concen: 54.646 ug/l

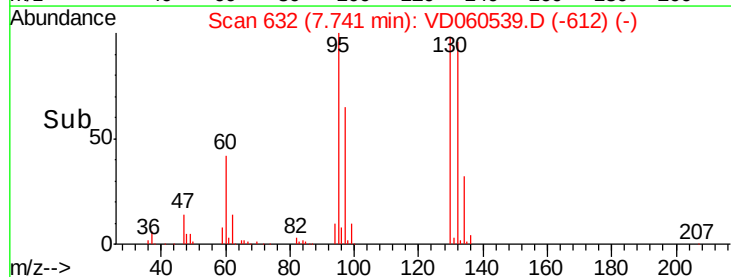
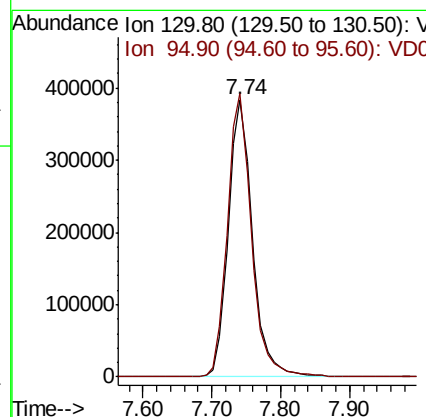
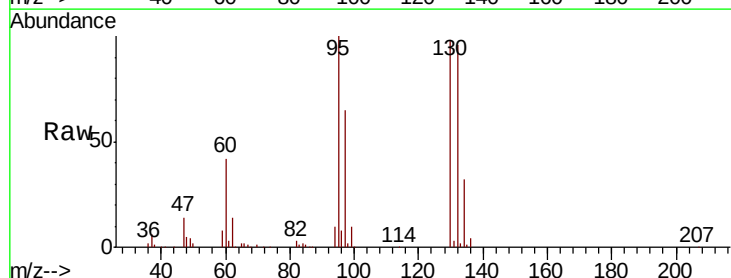
RT: 7.74 min Scan# 632

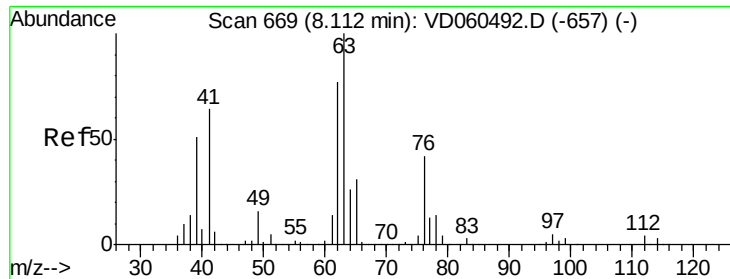
Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:	130	Resp:	934181
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	203.8





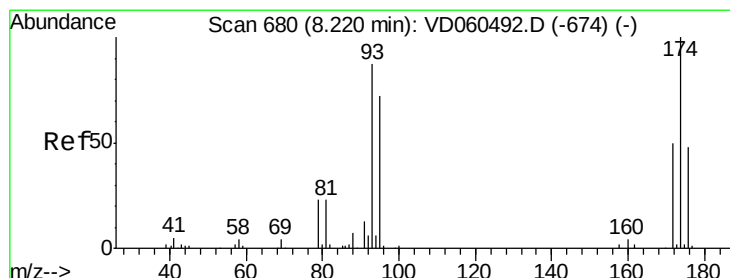
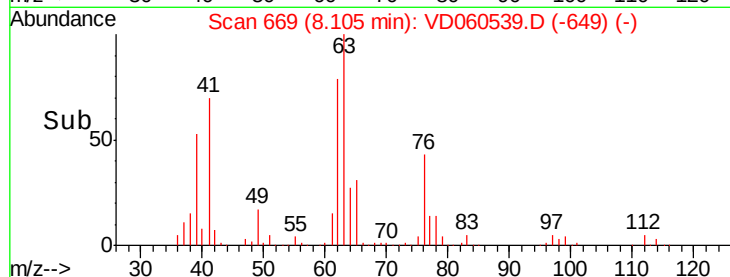
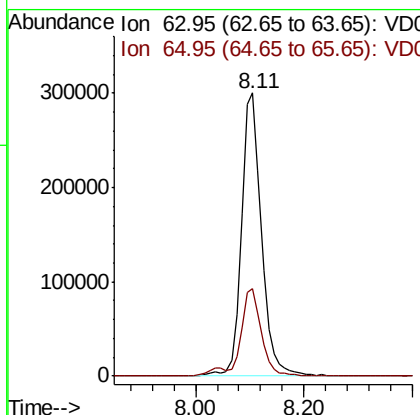
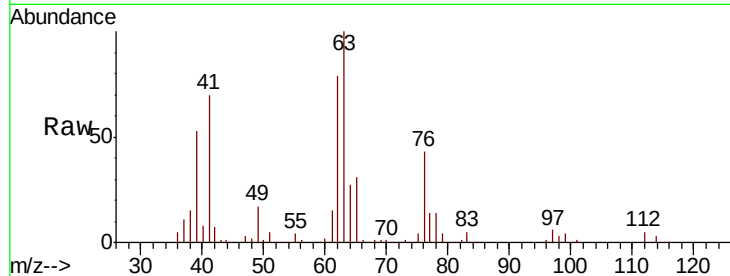
#45
 1,2-Dichloropropane
 Concen: 54.532 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 771498
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

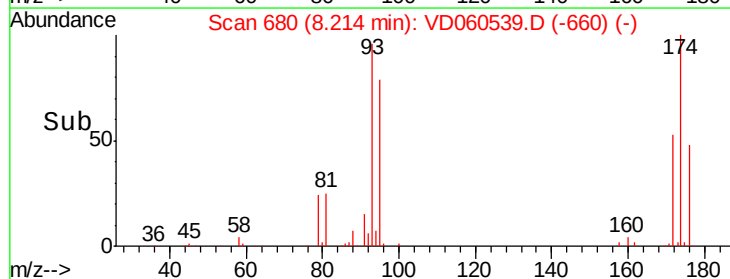
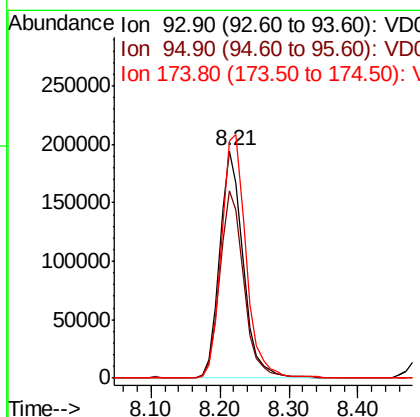
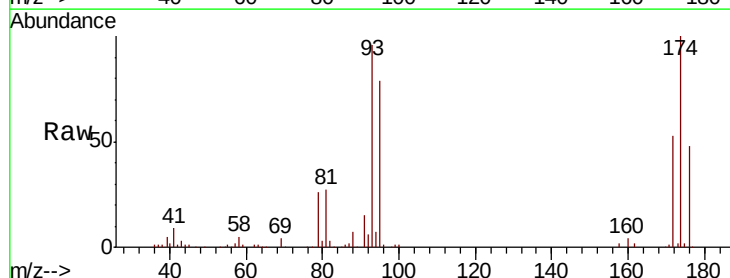
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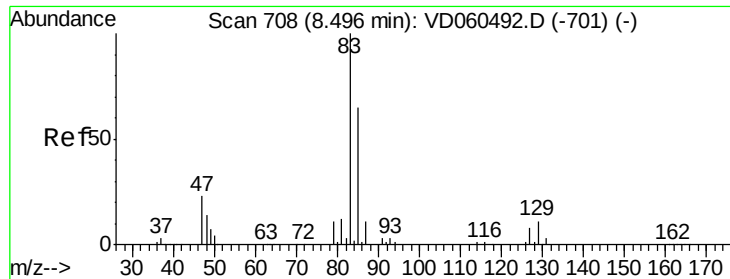
apatel
 12/13/2018 4:41:03 PM



#46
 Dibromomethane
 Concen: 56.017 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 93 Resp: 457886
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.6 98.4
 174 104.2 91.7 137.5





#47

Bromodichloromethane

Concen: 55.964 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1085419

Ion Ratio Lower Upper

83 100

85 66.4 52.2 78.4

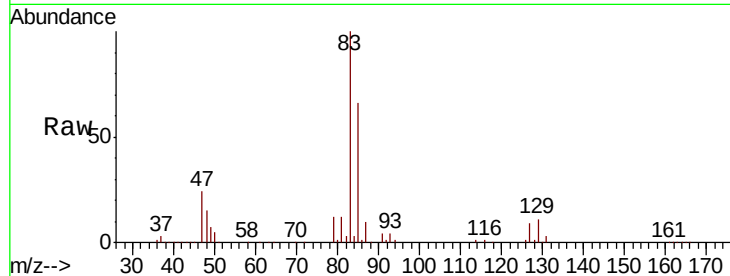
127 8.5 6.7 10.1

Manual Integrations

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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

600000

500000

400000

300000

200000

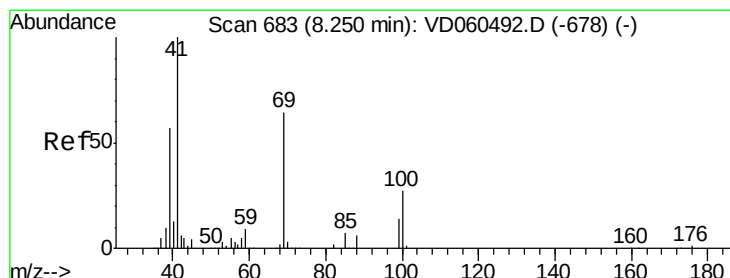
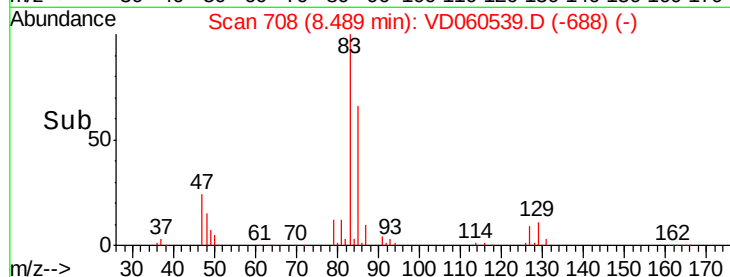
100000

0

8.49

8.40 8.50 8.60 8.70

Time-->



#48

Methyl methacrylate

Concen: 60.703 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

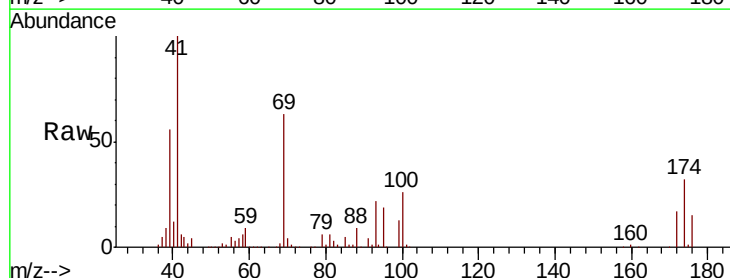
Tgt Ion: 41 Resp: 430380

Ion Ratio Lower Upper

41 100

69 62.6 50.2 75.4

39 55.9 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

100000

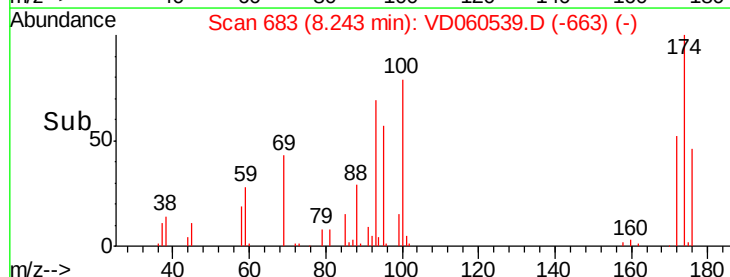
50000

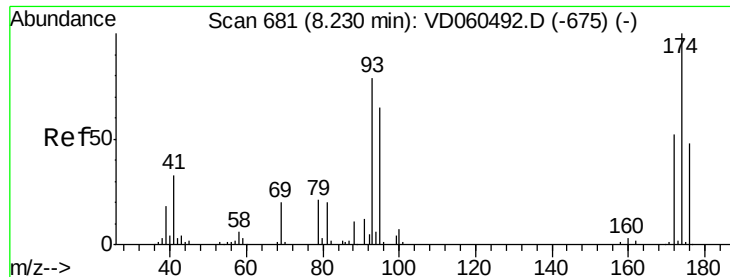
0

8.24

8.15 8.20 8.25 8.30 8.35

Time-->





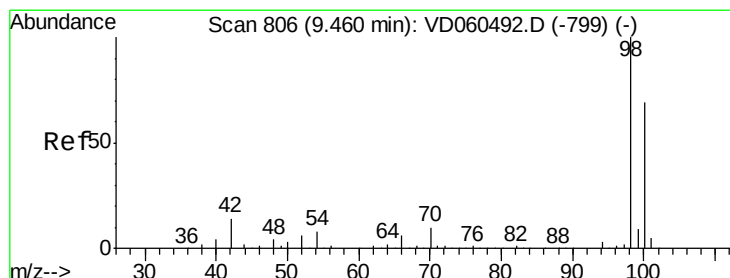
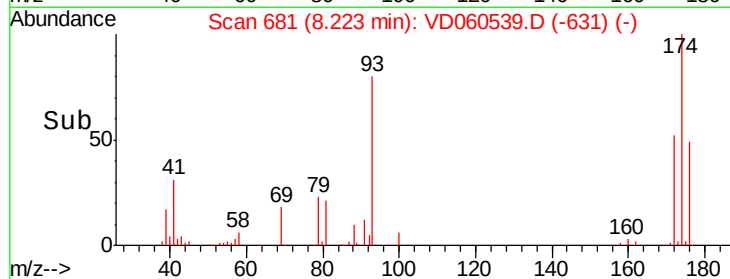
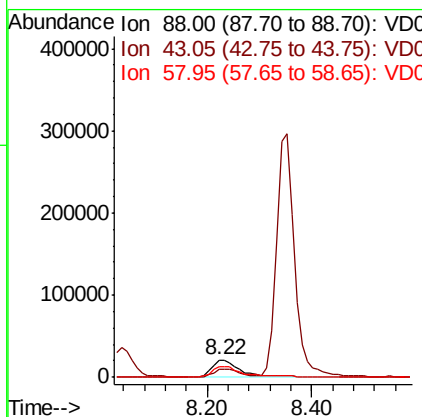
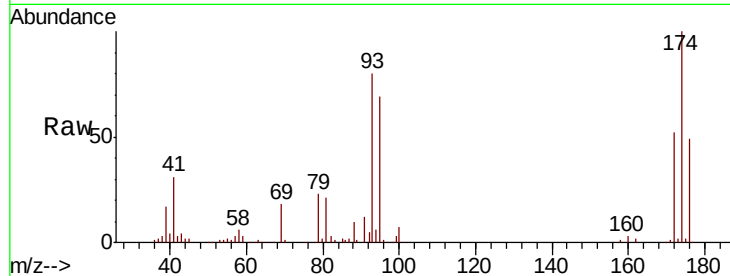
#49
1,4-Dioxane
Concen: 1286.681 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.3	32.9	49.3
58	64.1	47.7	71.5

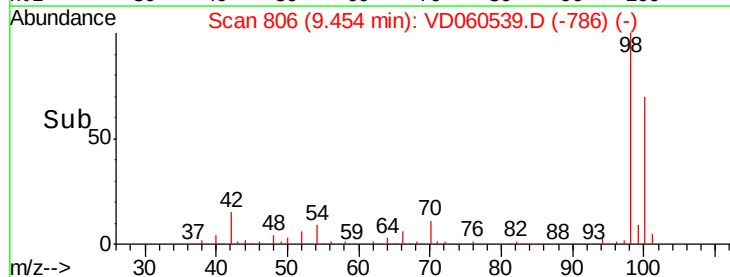
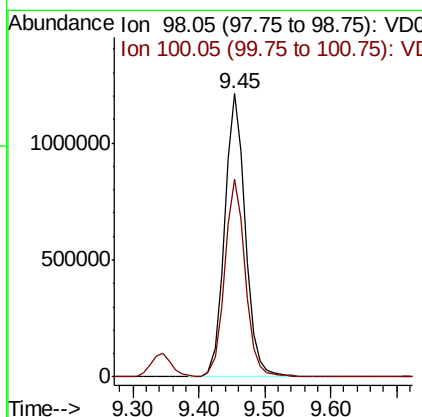
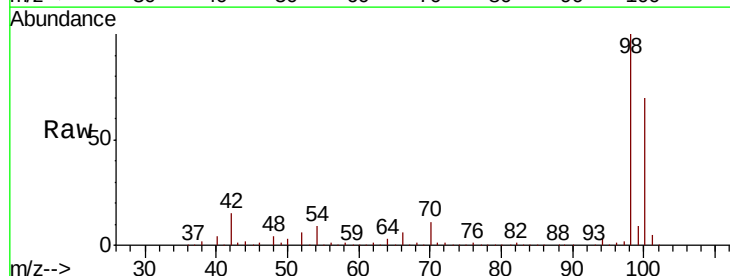
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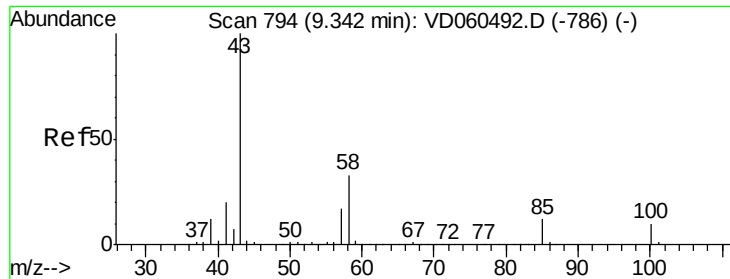
apatel
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#50
Toluene-d8
Concen: 1286.681 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.7	83.5





#51

4-Methyl-2-Pentanone

Concen: 294.006 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2191407

Ion Ratio Lower Upper

43 100

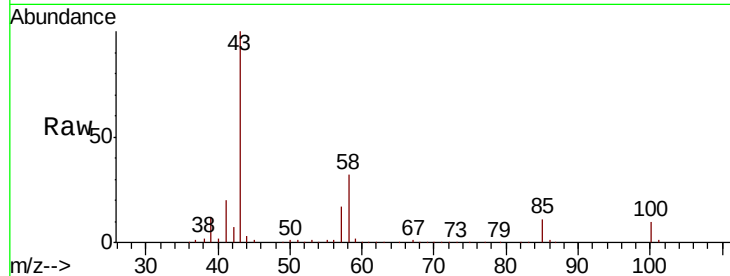
58 31.9 26.3 39.5

Manual Integrations

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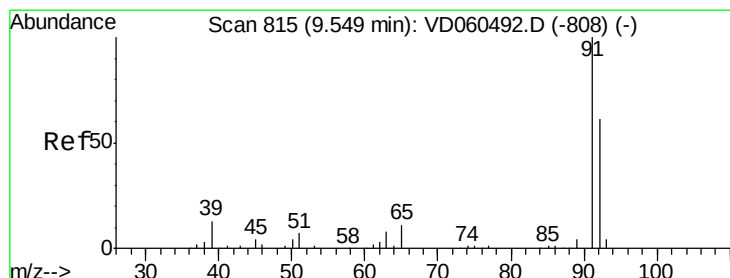
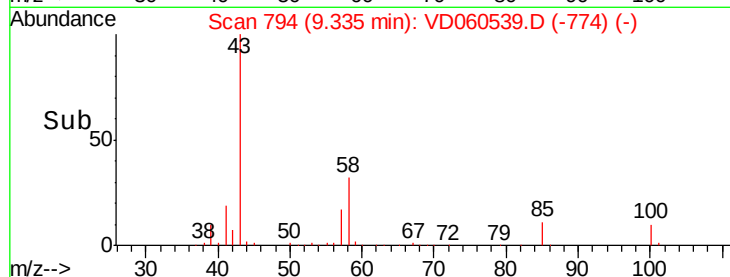
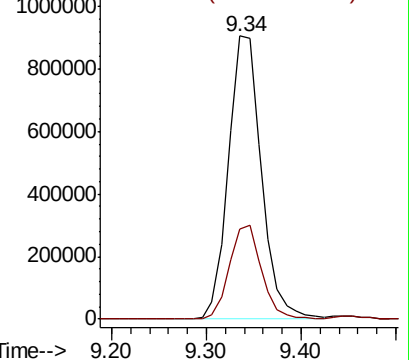
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.311 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060539.D

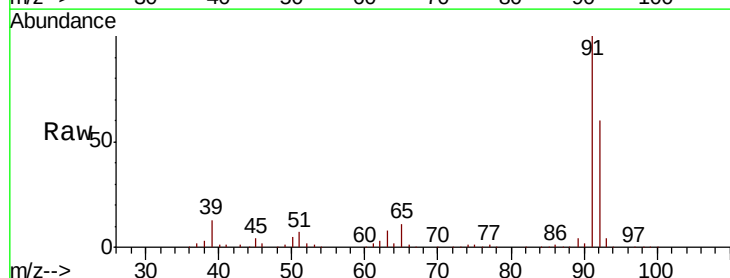
Acq: 12 Dec 2018 11:10

Tgt Ion: 92 Resp: 1941772

Ion Ratio Lower Upper

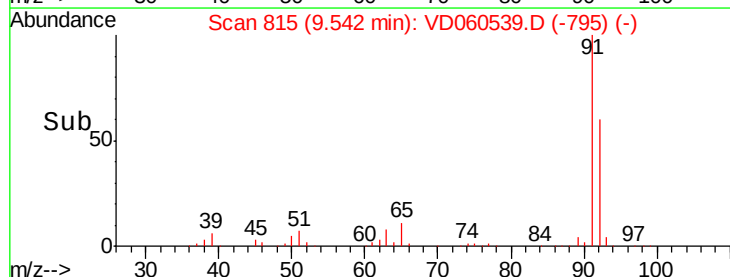
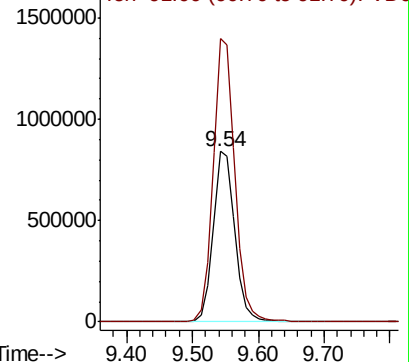
92 100

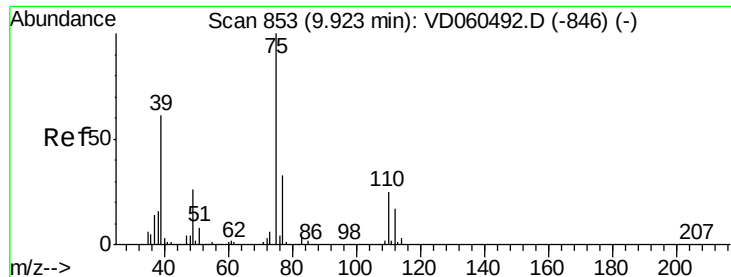
91 166.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.344 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 913871

Ion Ratio Lower Upper

75 100

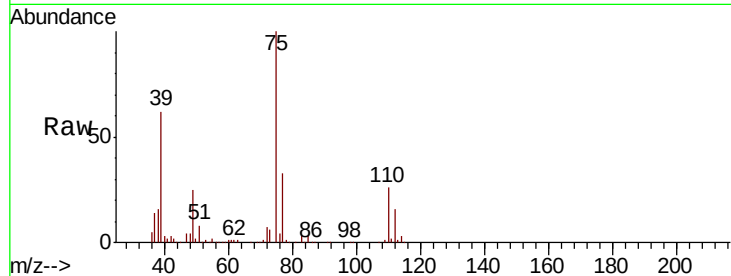
77 32.5 26.2 39.2

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

400000

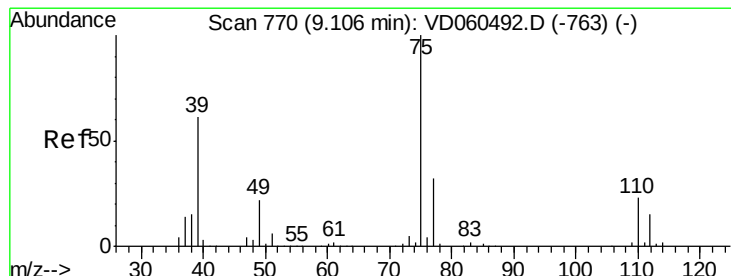
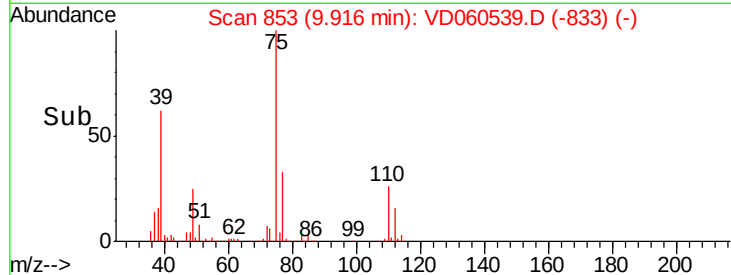
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.632 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

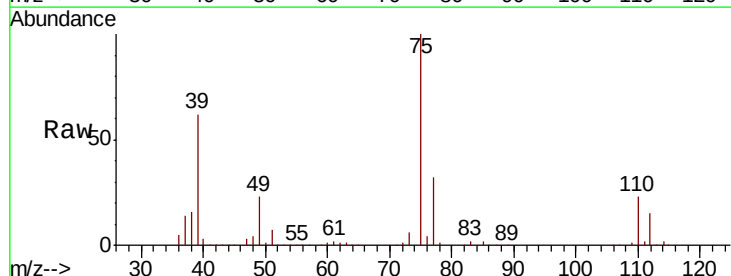
Tgt Ion: 75 Resp: 1185775

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 61.9 48.6 73.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

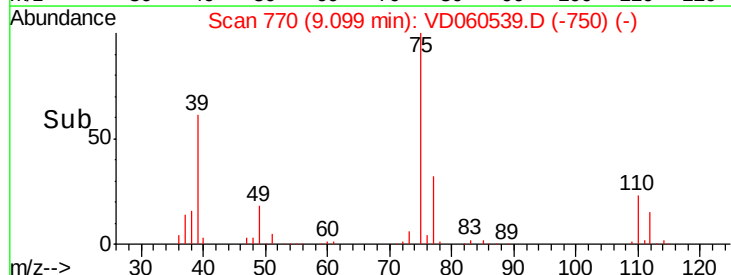
600000

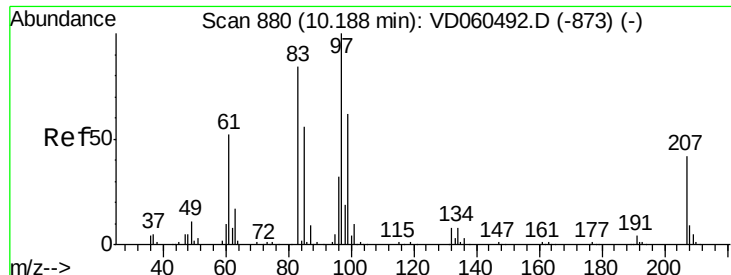
400000

200000

0

Time-->





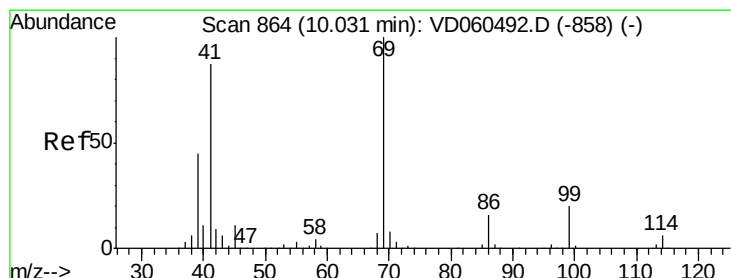
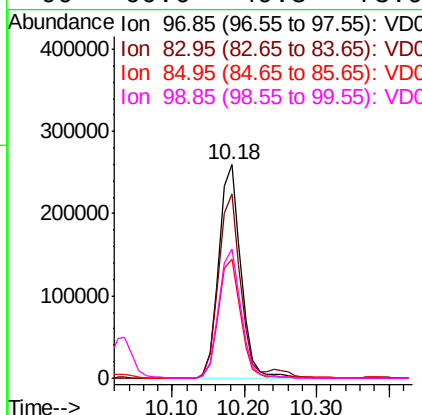
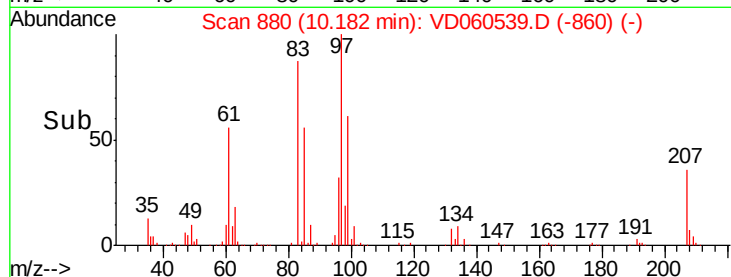
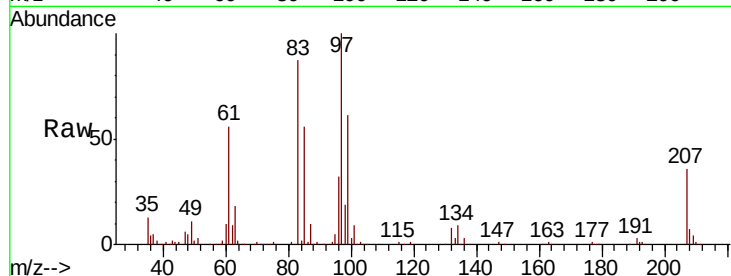
#55
 1,1,2-Trichloroethane
 Concen: 54.867 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	546281
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.2	100.8
85	55.6	44.5	66.7
99	60.6	49.3	73.9

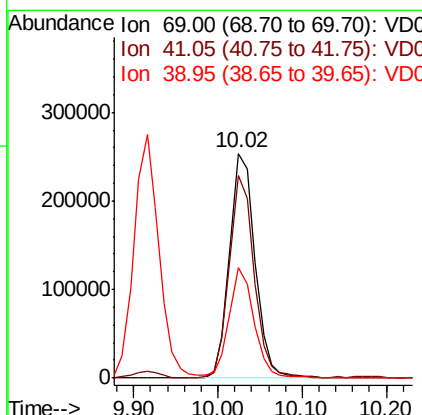
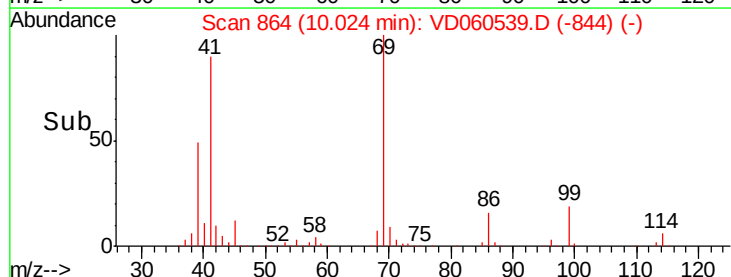
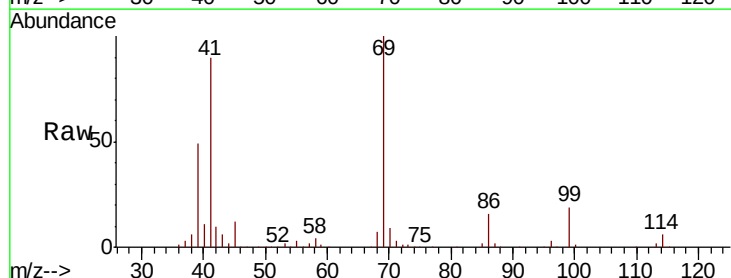
Manual Integrations
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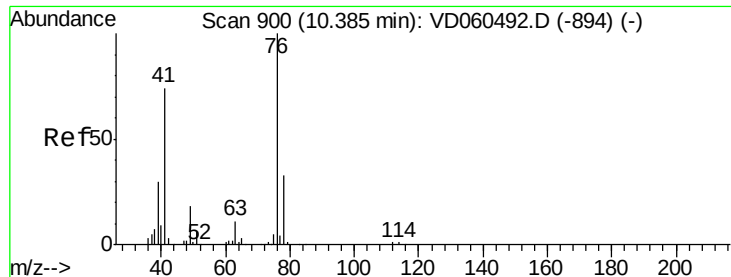
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#56
 Ethyl methacrylate
 Concen: 59.809 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion:	69	Resp:	538931
Ion	Ratio	Lower	Upper
69	100		
41	90.3	69.8	104.8
39	48.9	37.5	56.3





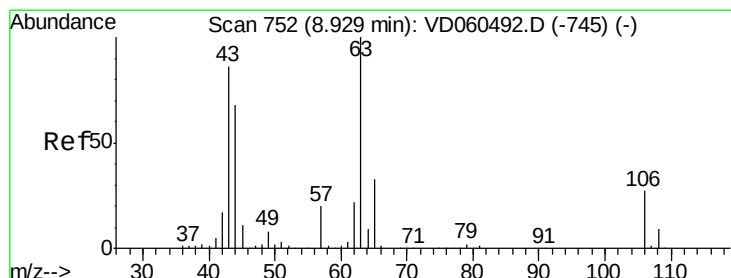
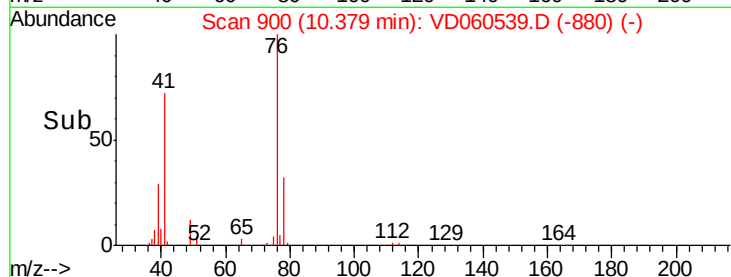
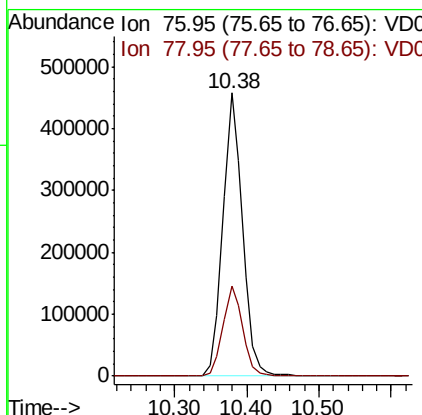
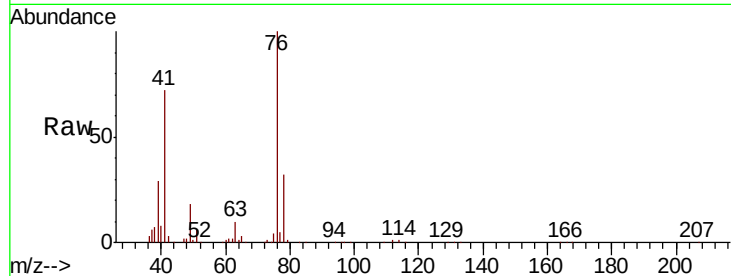
#57
 1,3-Dichloropropane
 Concen: 55.947 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 861096
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1

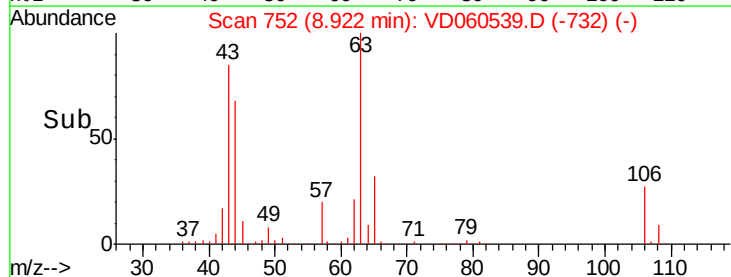
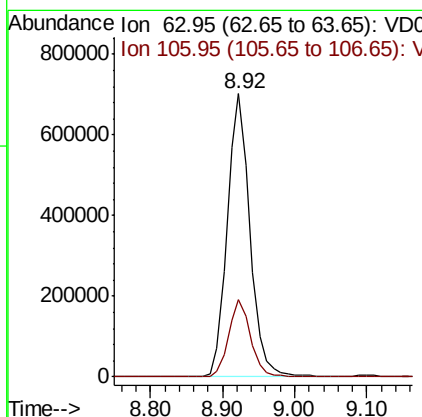
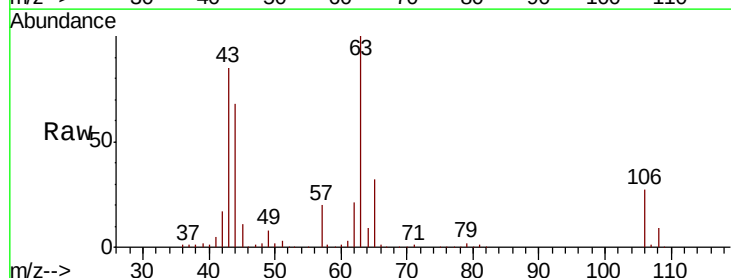
Manual Integrations
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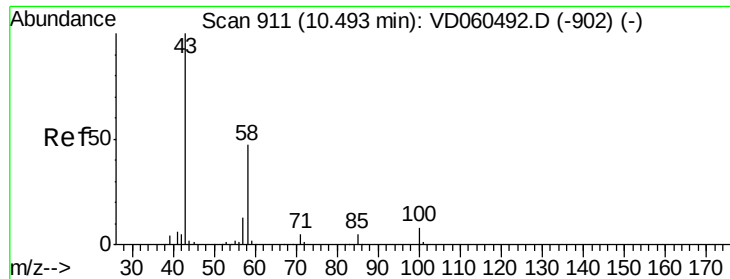
apatel
 12/13/2018 4:41:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.278 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 63 Resp: 1532715
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.6 32.4





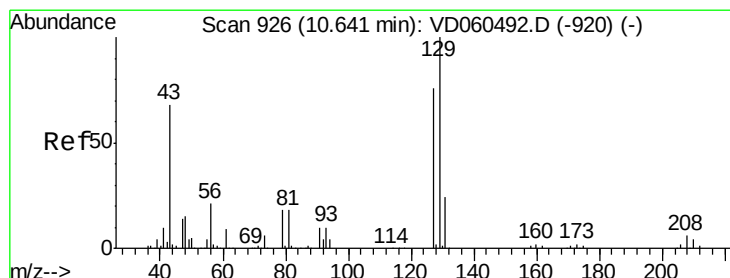
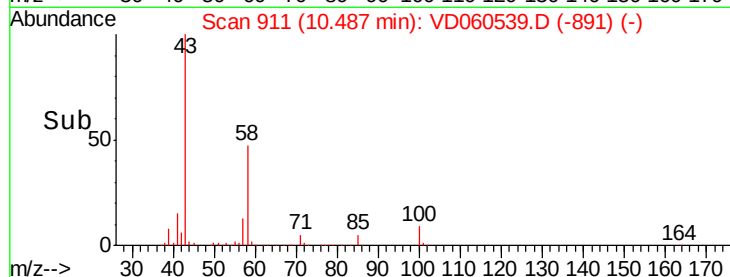
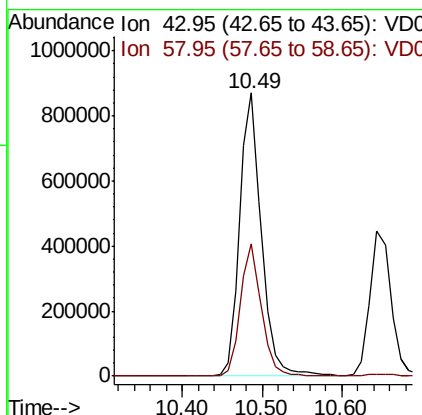
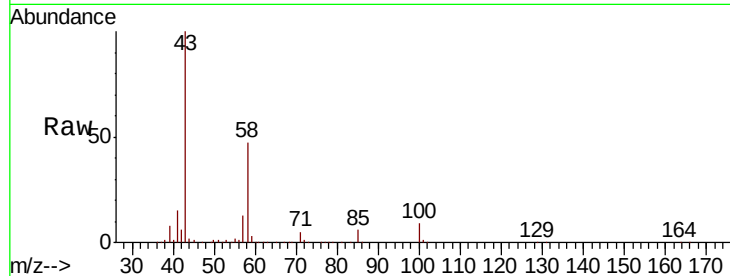
#59
2-Hexanone
Concen: 314.800 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1640073
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2

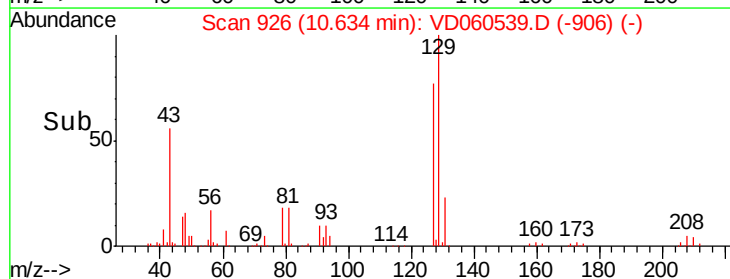
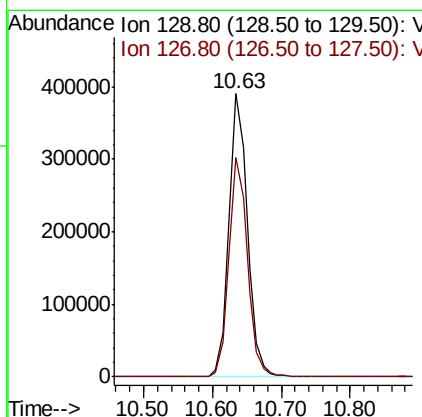
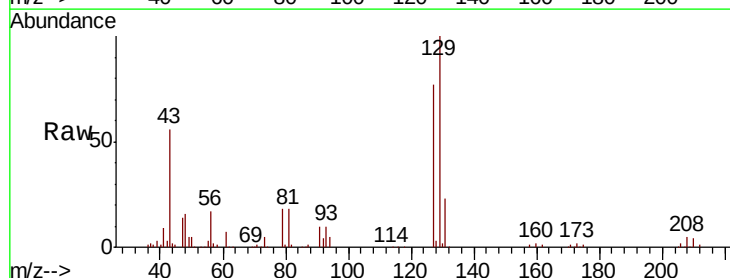
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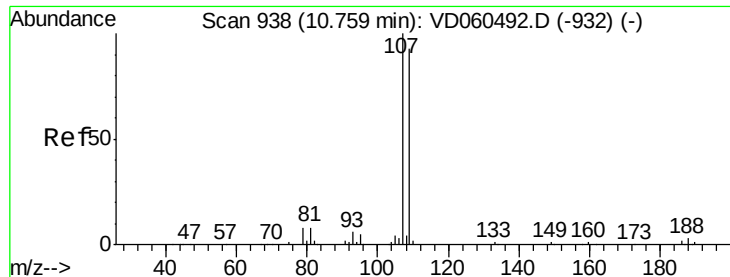
apatel
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#60
Dibromochloromethane
Concen: 58.398 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:129 Resp: 726962
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 57.466 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 583095

Ion Ratio Lower Upper

107 100

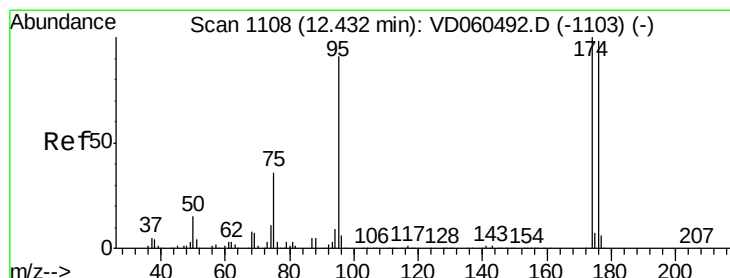
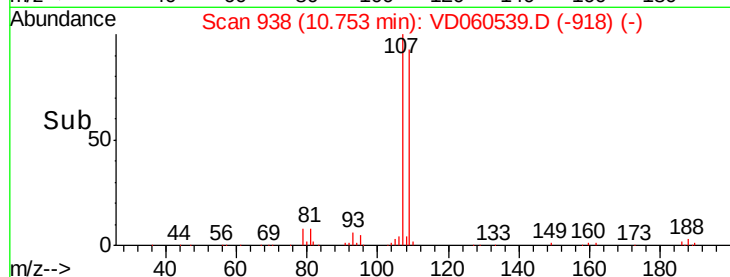
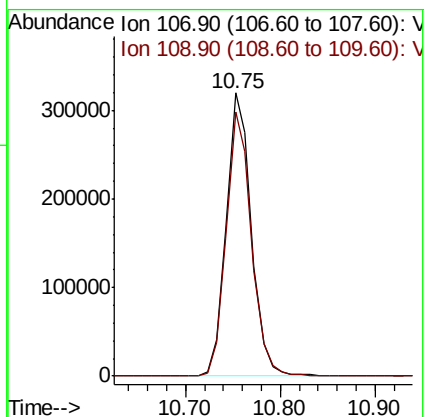
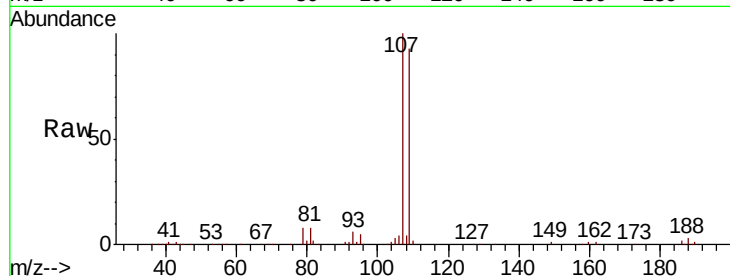
109 93.3 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 57.466 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

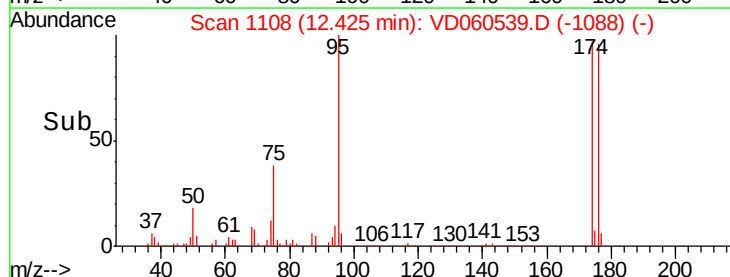
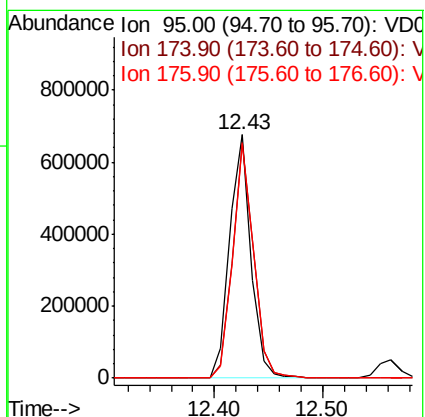
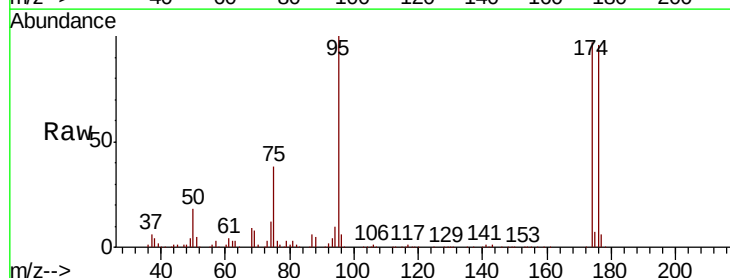
Tgt Ion: 95 Resp: 930791

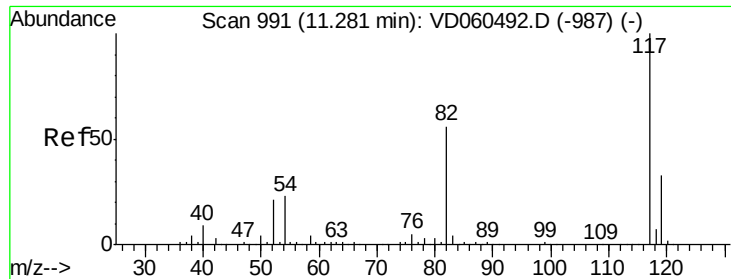
Ion Ratio Lower Upper

95 100

174 96.9 0.0 219.4

176 96.1 0.0 214.6





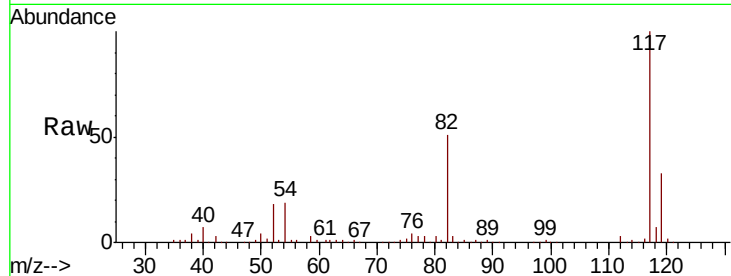
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	45.2	67.8
119	33.4	26.1	39.1

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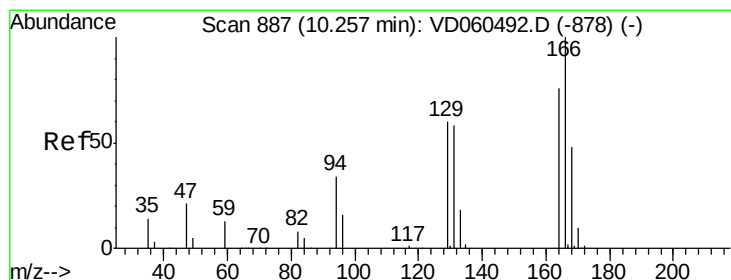
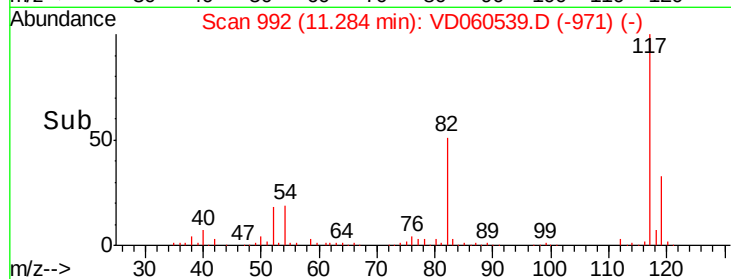
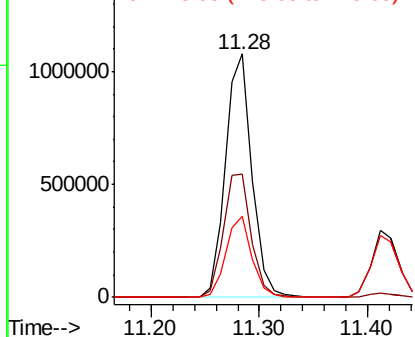


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 52.122 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	78.7	63.0	94.4
131	74.8	60.6	90.8

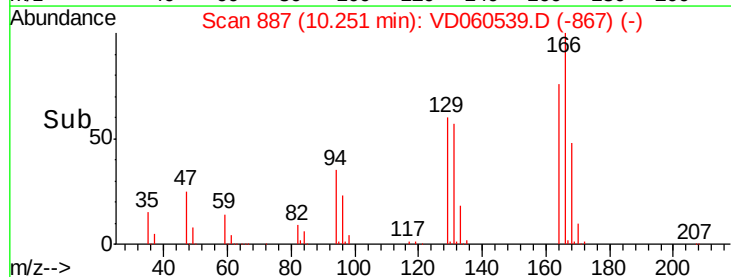
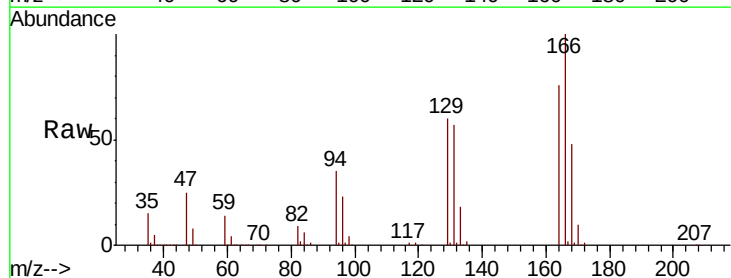
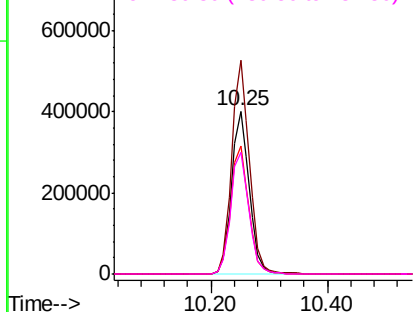
Abundance

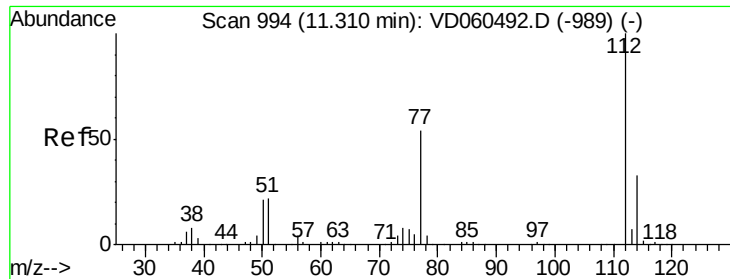
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





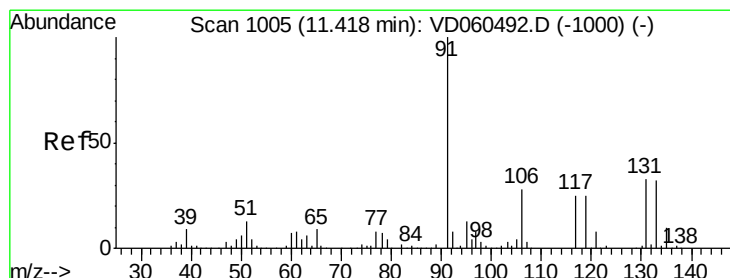
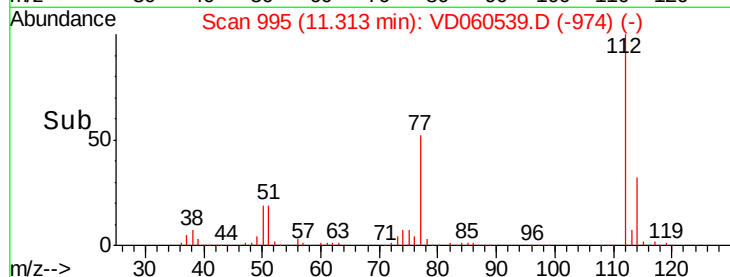
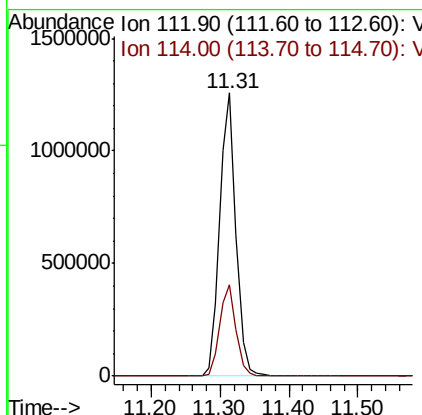
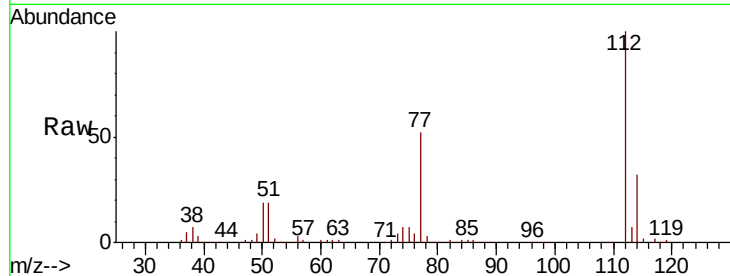
#65
Chlorobenzene
Concen: 53.013 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2048961
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

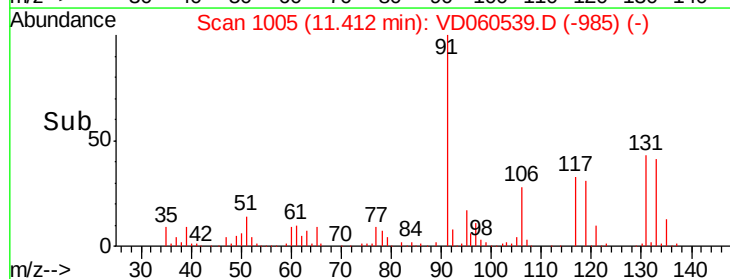
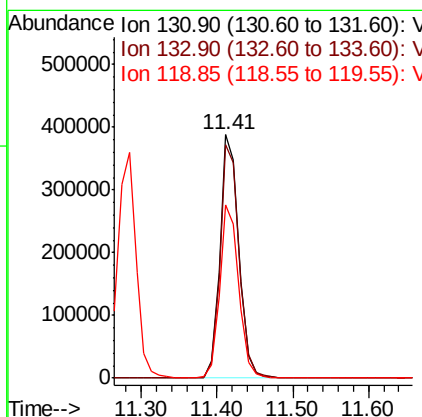
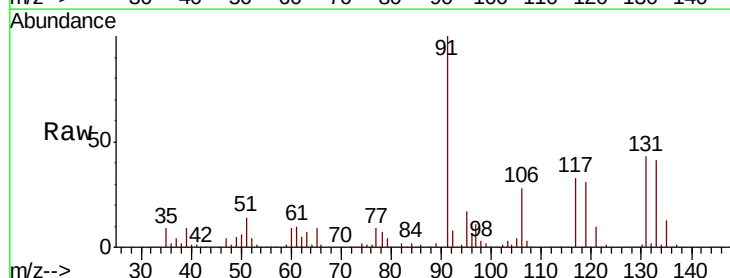
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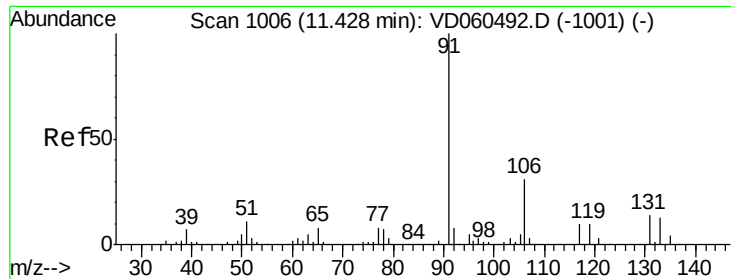
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.177 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:131 Resp: 674904
Ion Ratio Lower Upper
131 100
133 95.8 49.1 147.3
119 71.2 37.5 112.3





#67

Ethyl Benzene

Concen: 52.360 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3451875

Ion Ratio Lower Upper

91 100

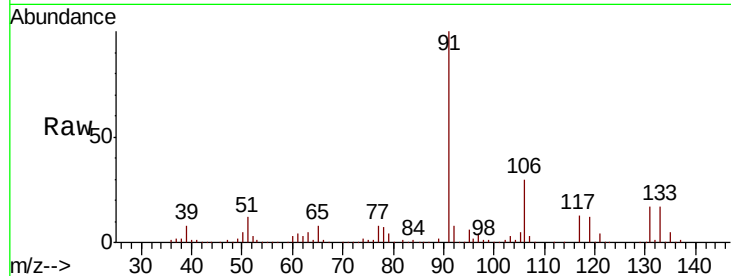
106 30.0 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

2500000

2000000

1500000

1000000

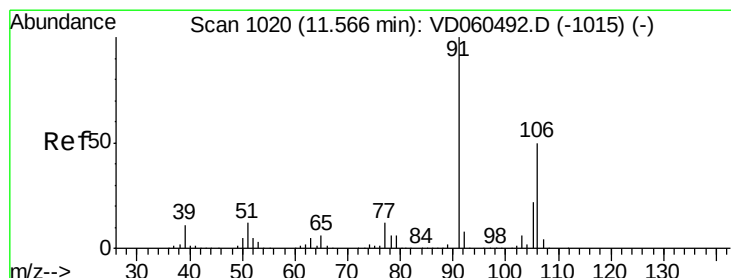
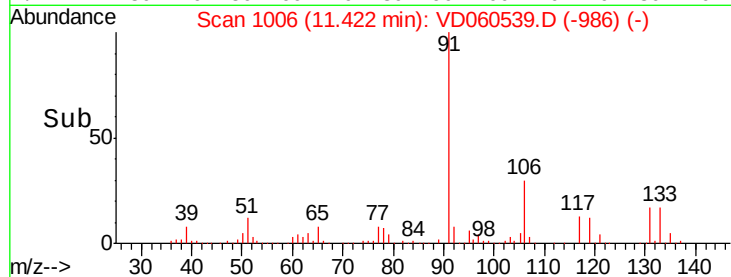
500000

0

11.42

11.50

Time-->



#68

m/p-Xylenes

Concen: 104.886 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. -0.01 min

Lab File: VD060539.D

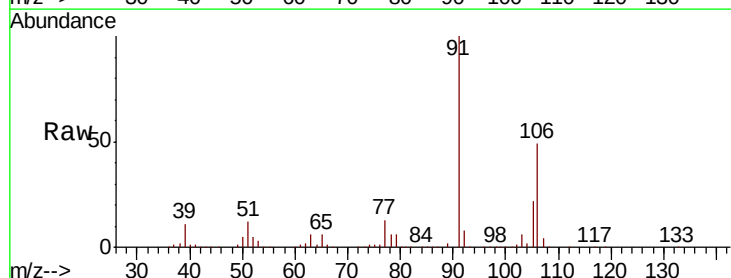
Acq: 12 Dec 2018 11:10

Tgt Ion:106 Resp: 2558111

Ion Ratio Lower Upper

106 100

91 203.7 160.5 240.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

2500000

2000000

1500000

1000000

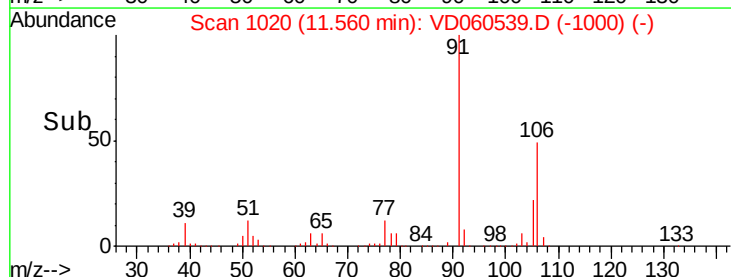
500000

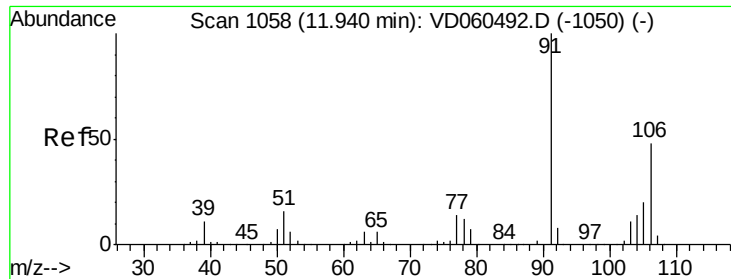
0

11.56

11.70

Time-->





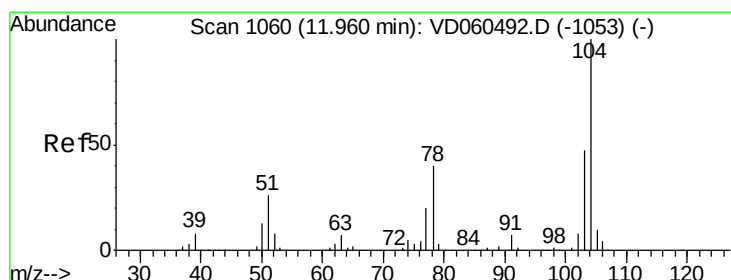
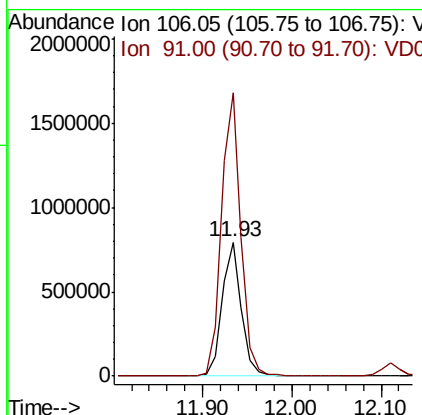
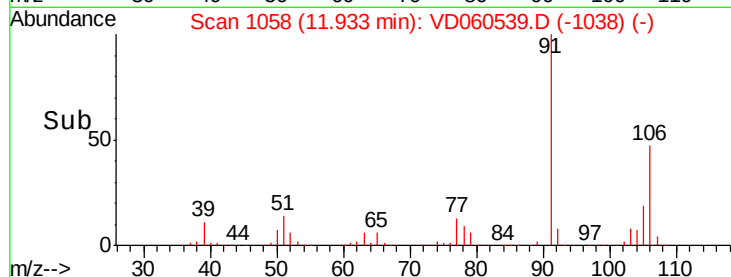
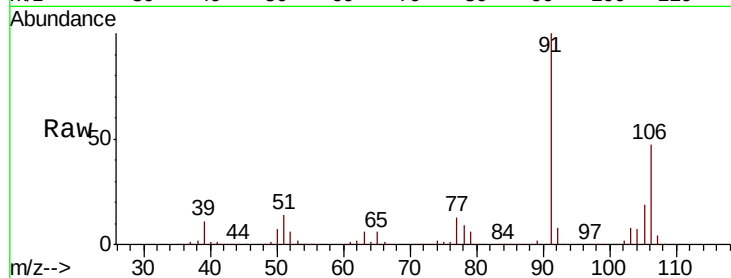
#69
o-Xylene
Concen: 51.346 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1193437
Ion Ratio Lower Upper
106 100
91 211.7 103.4 310.1

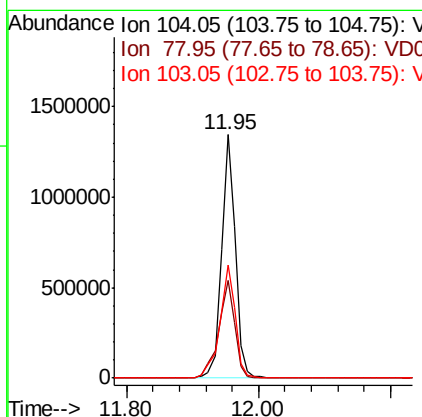
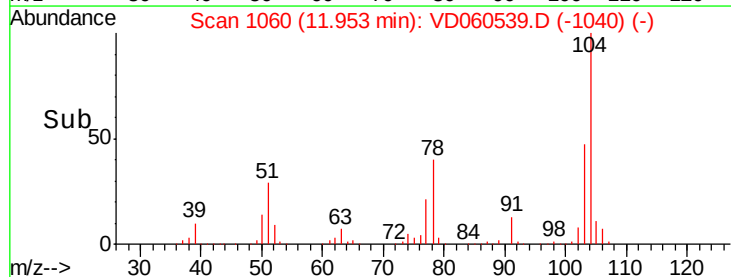
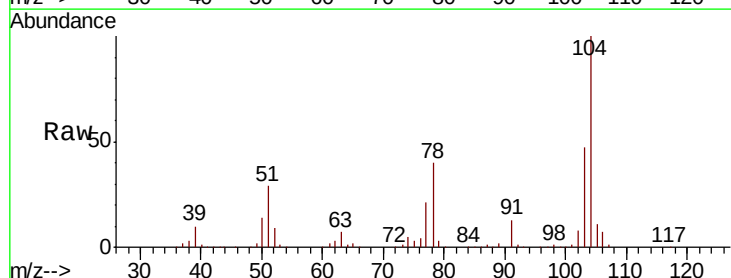
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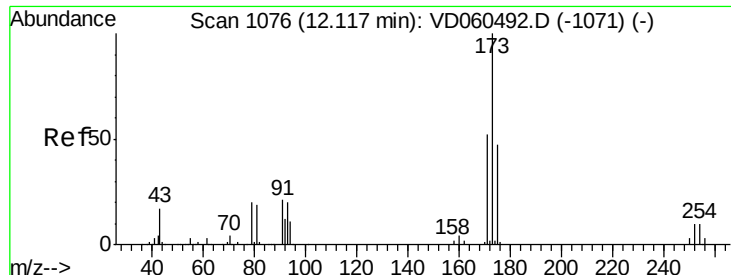
apatel
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#70
Styrene
Concen: 52.343 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:104 Resp: 1952825
Ion Ratio Lower Upper
104 100
78 40.3 32.1 48.1
103 46.7 37.2 55.8





#71

Bromoform

Concen: 57.484 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

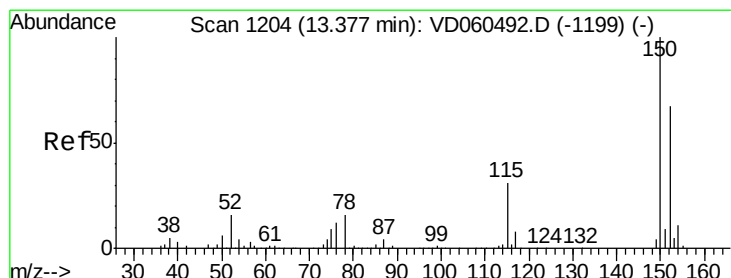
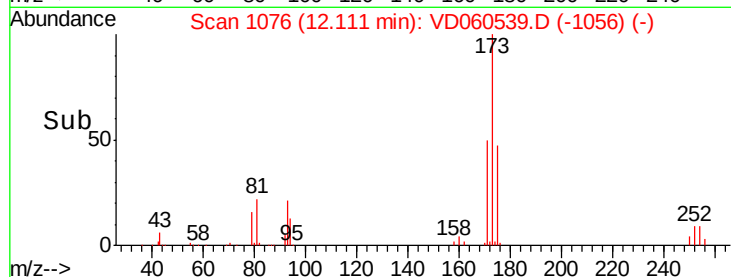
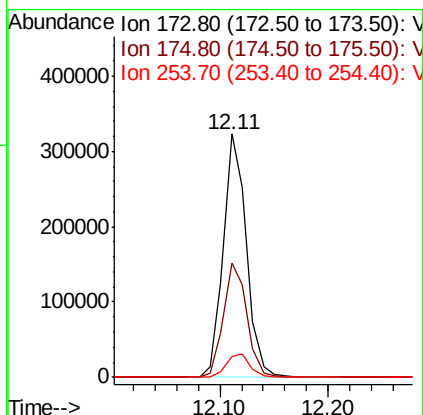
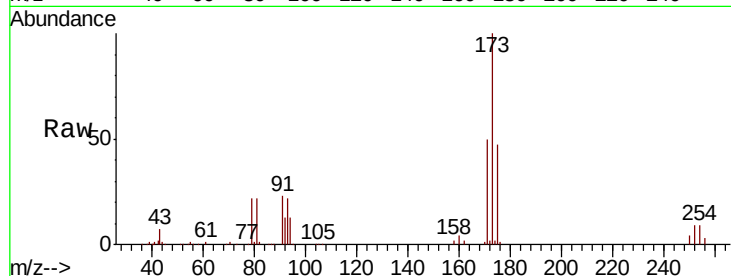
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	477757
Ion Ratio	Lower	Upper	
173	100		
175	47.0	23.5	70.6
254	8.7	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

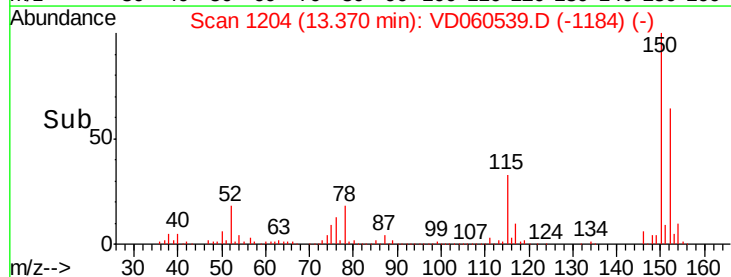
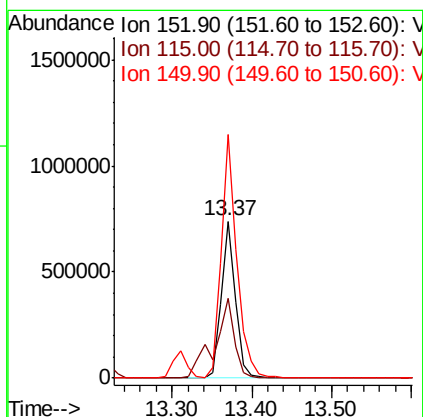
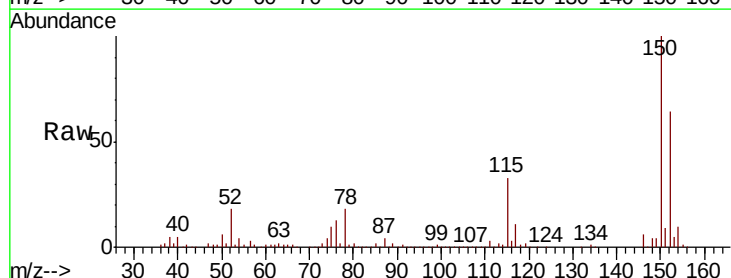
RT: 13.37 min Scan# 1204

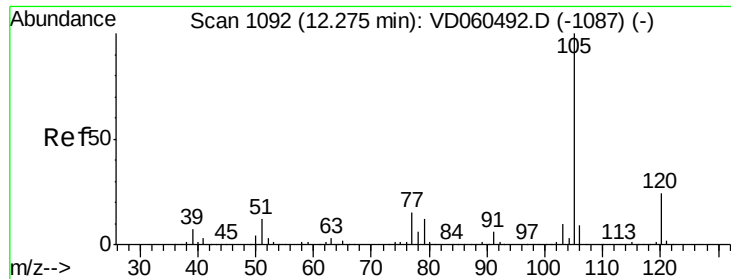
Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:	152	Resp:	929381
Ion Ratio	Lower	Upper	
152	100		
115	50.9	24.6	74.0
150	155.1	0.0	309.0





#73

Isopropylbenzene

Concen: 51.566 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3391322

Ion Ratio Lower Upper

105 100

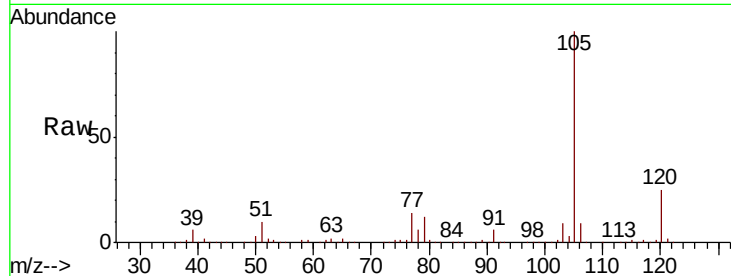
120 25.0 11.9 35.9

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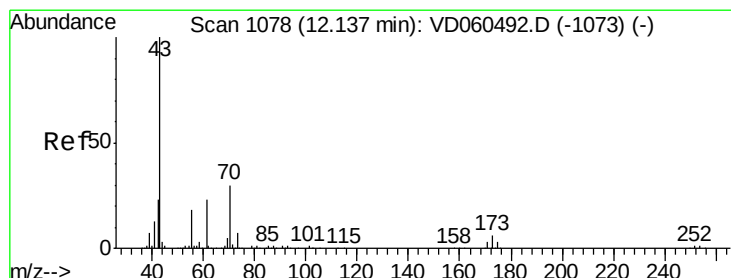
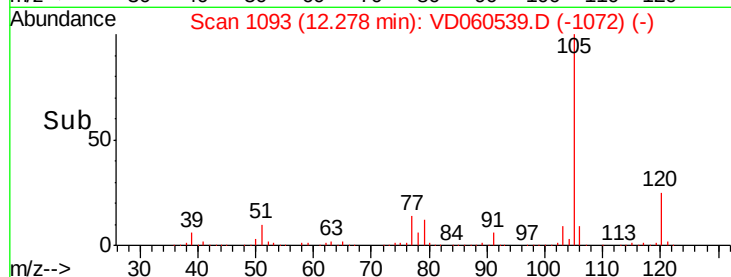
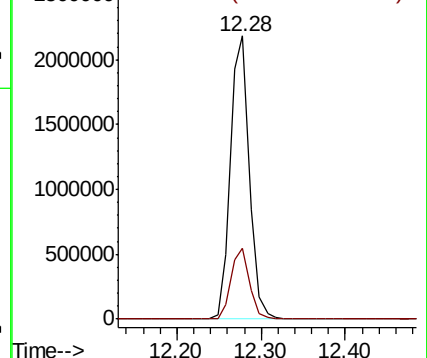
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.651 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion: 43 Resp: 916337

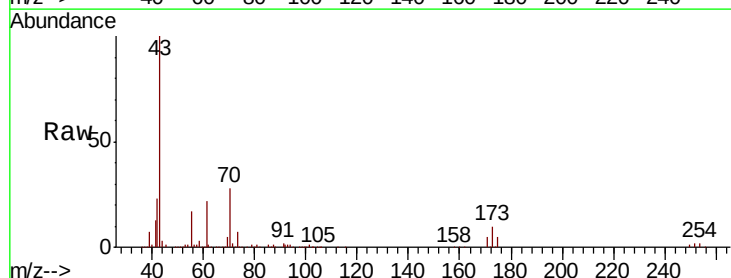
Ion Ratio Lower Upper

43 100

70 27.6 23.8 35.8

55 16.5 14.2 21.2

61 22.4 18.1 27.1

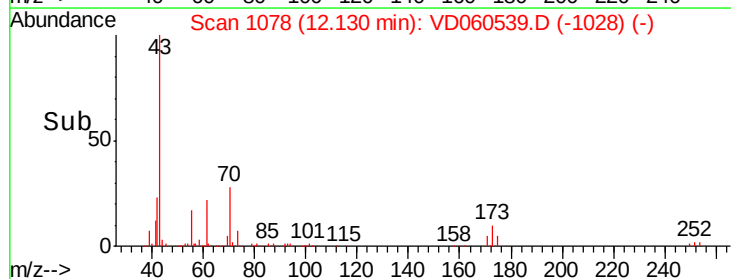
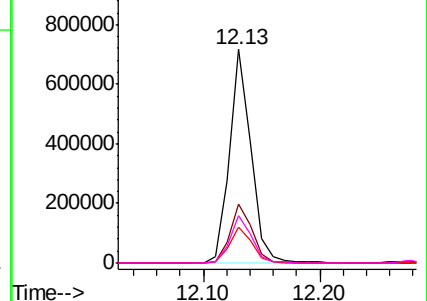


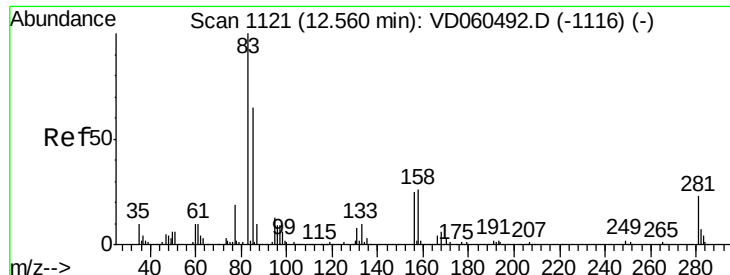
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.055 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 579657

Ion Ratio Lower Upper

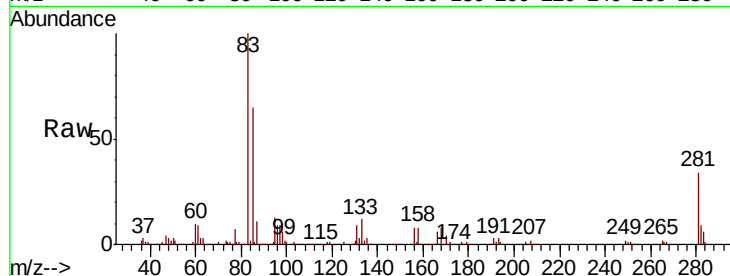
83 100

131 9.4 3.8 11.4

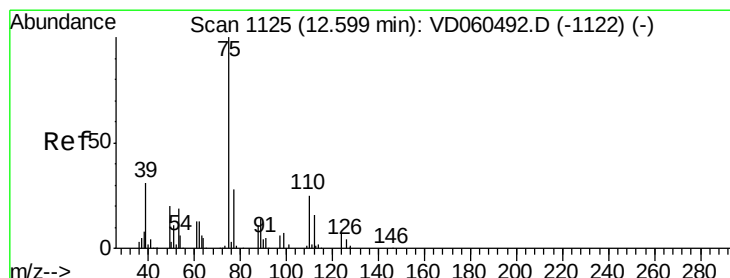
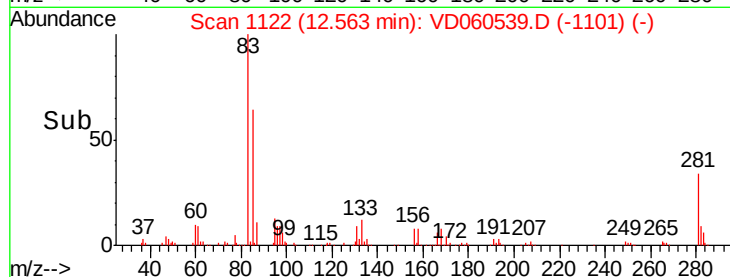
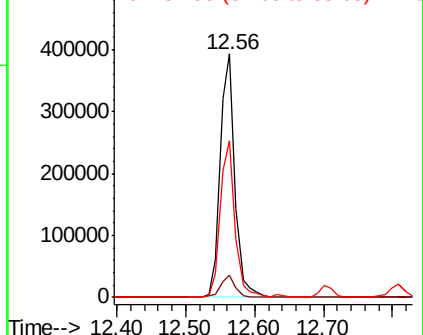
85 64.5 32.3 96.9

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.984 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060539.D

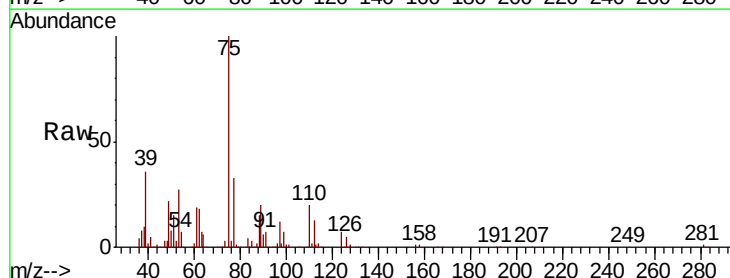
Acq: 12 Dec 2018 11:10

Tgt Ion: 75 Resp: 589542

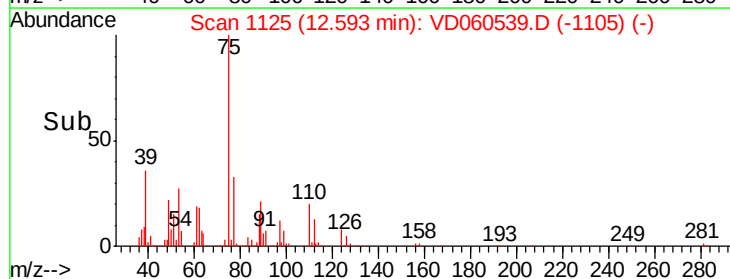
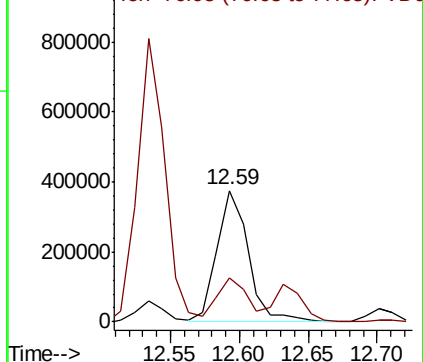
Ion Ratio Lower Upper

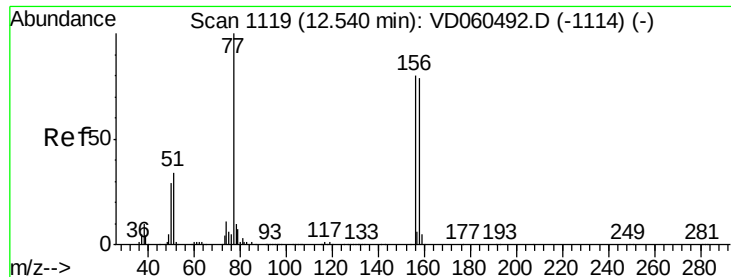
75 100

77 33.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.599 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

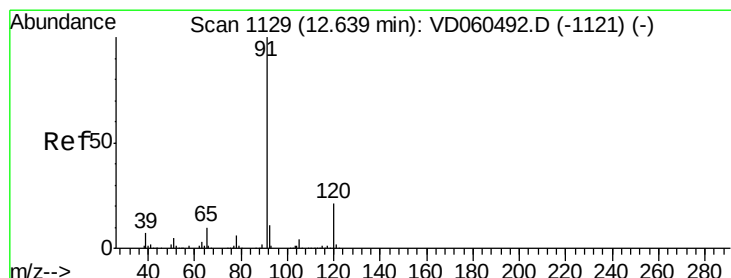
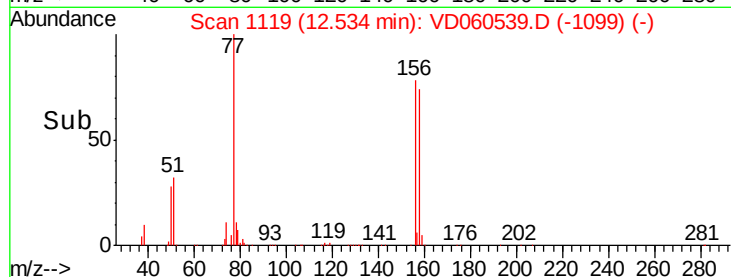
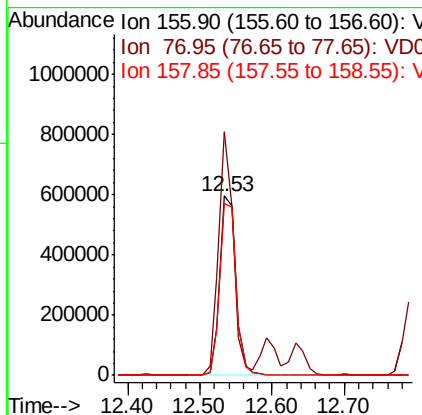
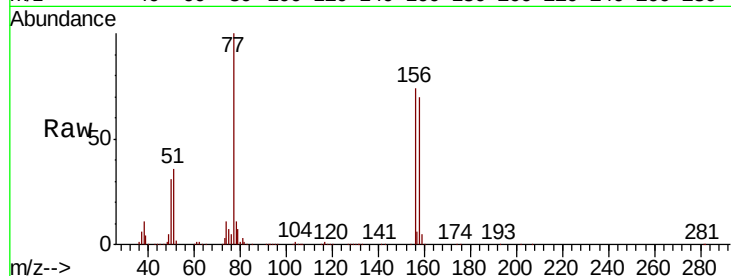
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.0	62.5	187.6
158	95.8	49.4	148.2

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#78

n-propylbenzene

Concen: 51.411 ug/l

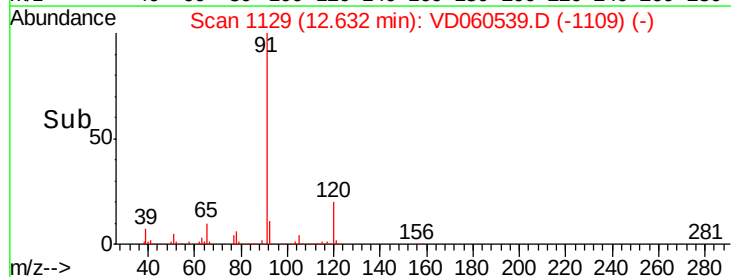
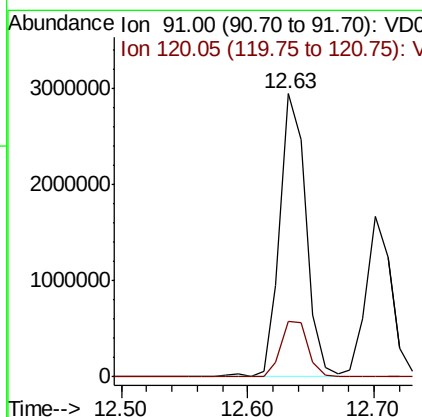
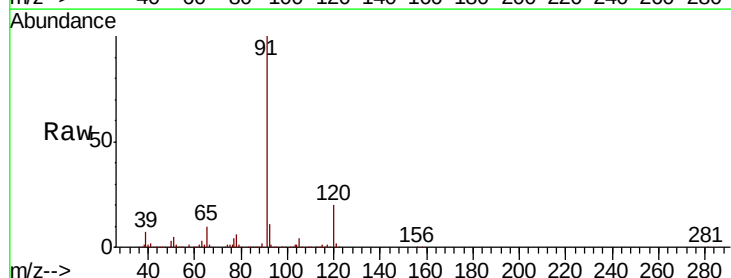
RT: 12.63 min Scan# 1129

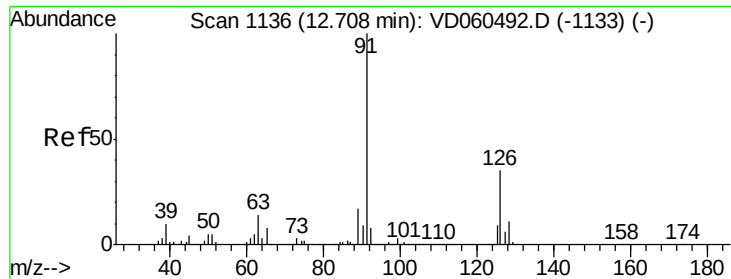
Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.6	10.4	31.1





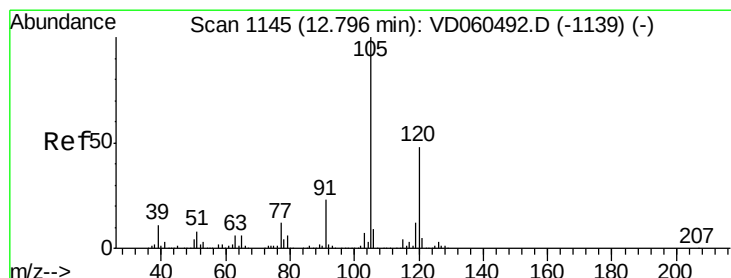
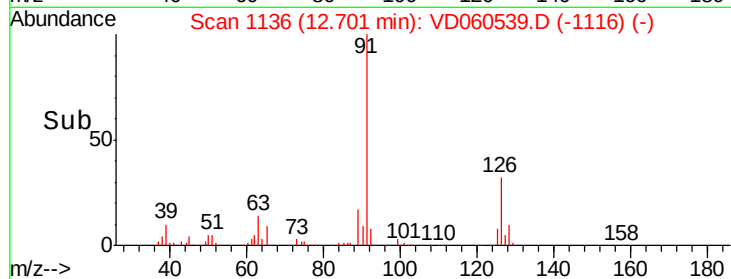
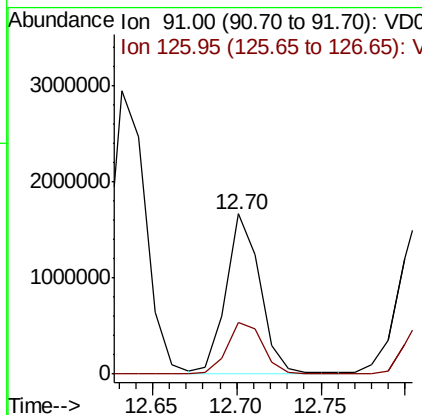
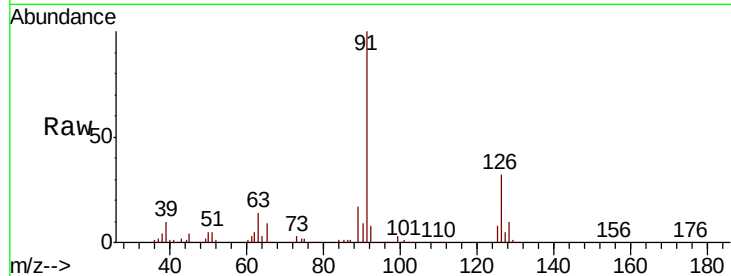
#79
2-Chlorotoluene
Concen: 51.639 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2329539
Ion Ratio Lower Upper
91 100
126 32.2 17.3 52.0

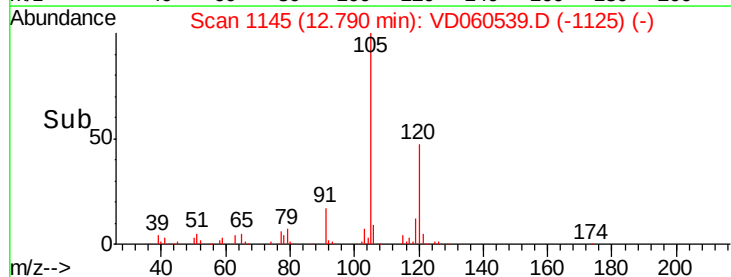
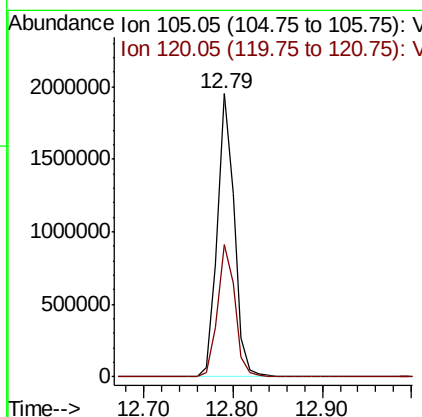
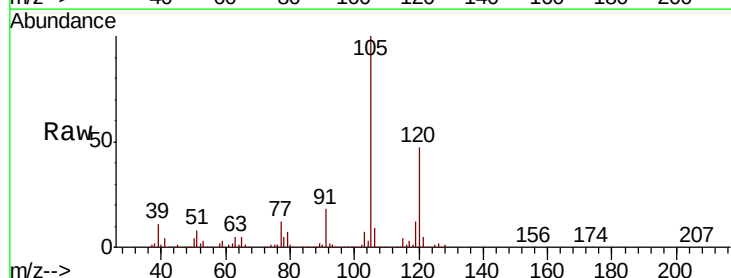
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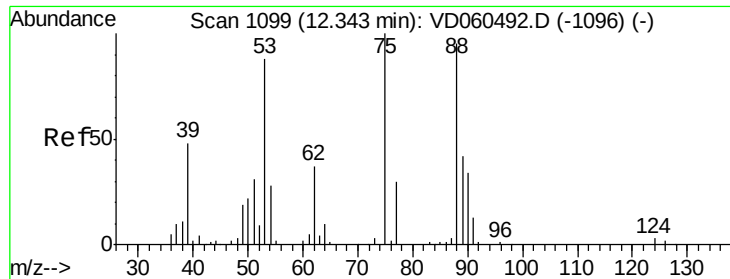
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#80
1,3,5-Trimethylbenzene
Concen: 51.770 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 105 Resp: 2601634
Ion Ratio Lower Upper
105 100
120 46.5 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.471 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 171728

Ion Ratio Lower Upper

75 100

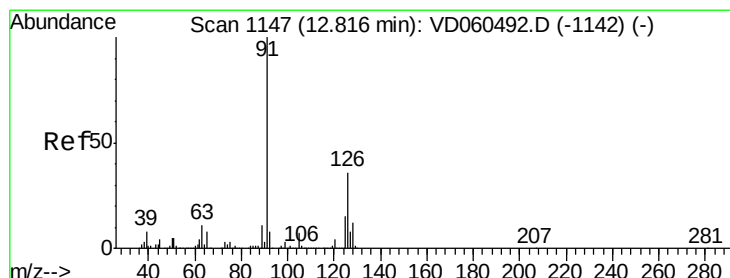
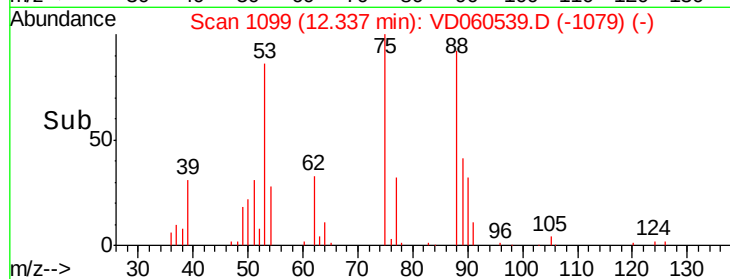
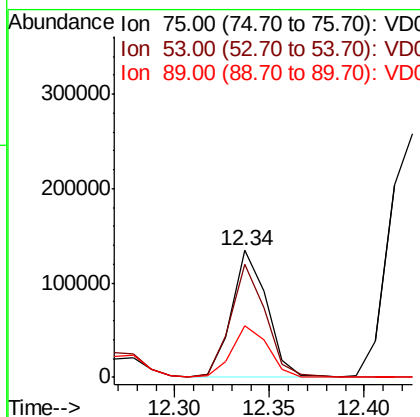
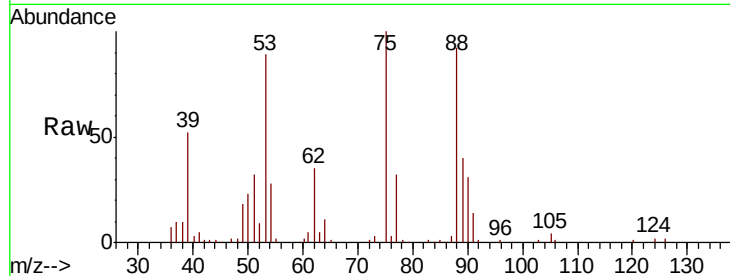
53 88.9 70.5 105.7

89 40.5 33.6 50.4

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#82

4-Chlorotoluene

Concen: 51.168 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060539.D

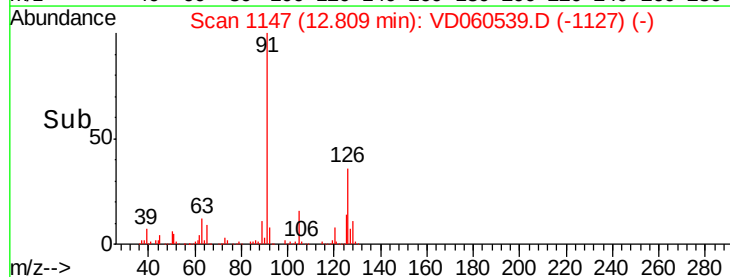
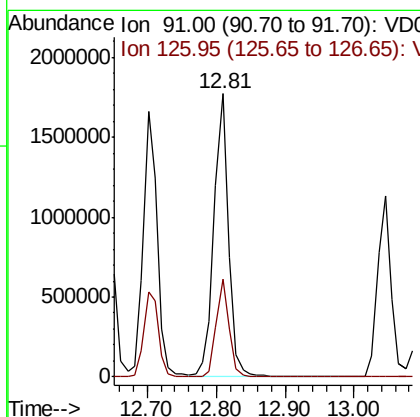
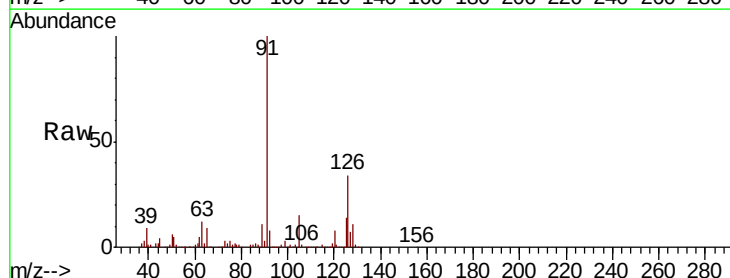
Acq: 12 Dec 2018 11:10

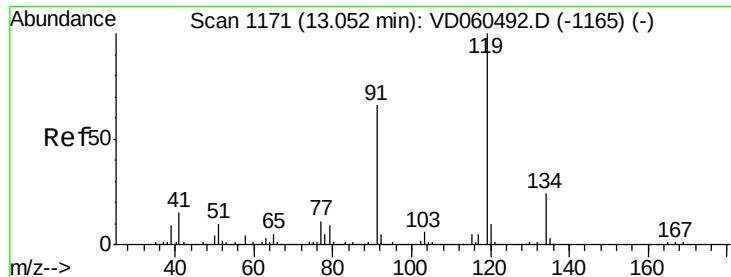
Tgt Ion: 91 Resp: 2592568

Ion Ratio Lower Upper

91 100

126 34.5 17.8 53.4





#83

tert-Butylbenzene

Concen: 53.139 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2994136

Ion Ratio Lower Upper

119 100

91 69.7 33.1 99.2

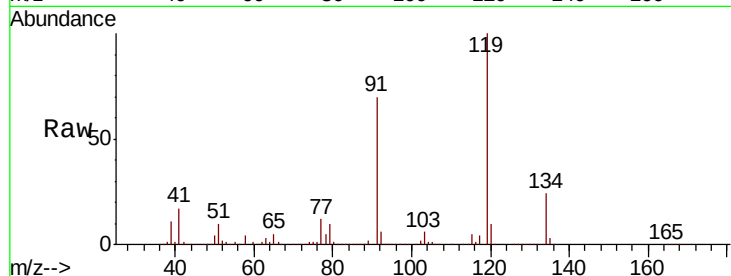
134 24.0 12.0 36.0

Manual Integrations

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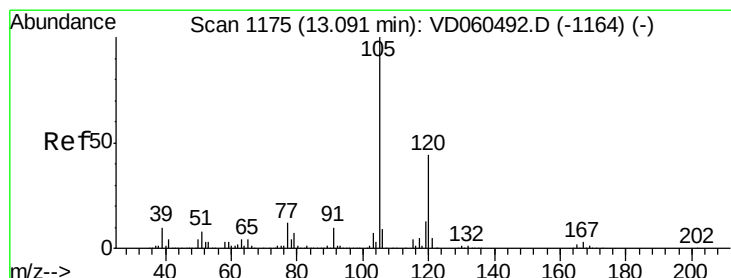
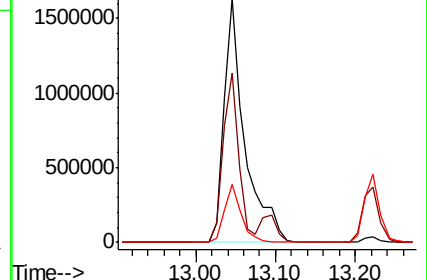
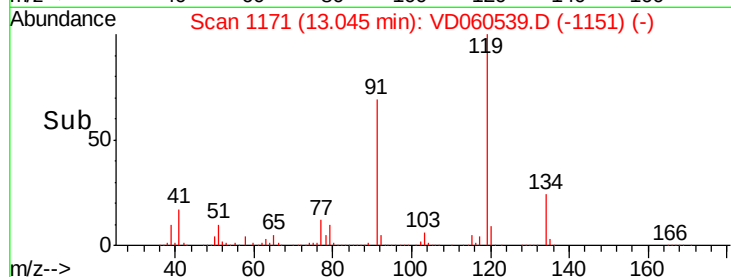
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.769 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060539.D

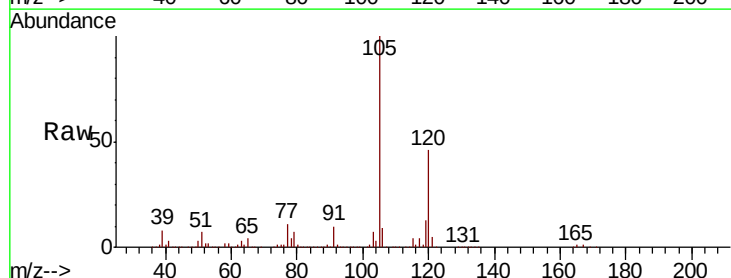
Acq: 12 Dec 2018 11:10

Tgt Ion:105 Resp: 2589721

Ion Ratio Lower Upper

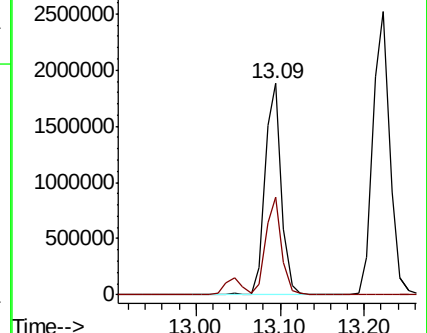
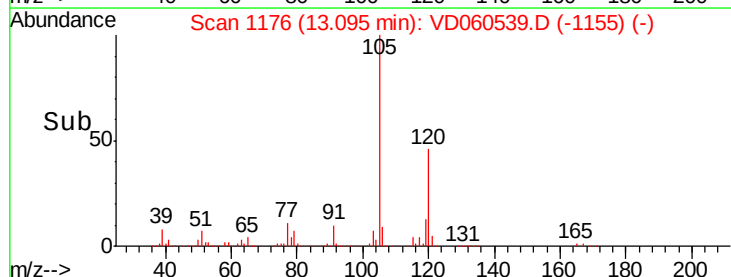
105 100

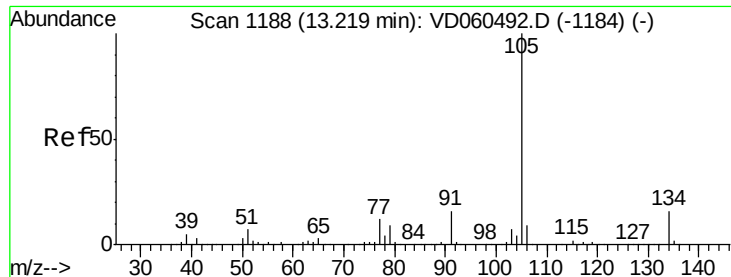
120 46.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 49.864 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3501812

Ion Ratio Lower Upper

105 100

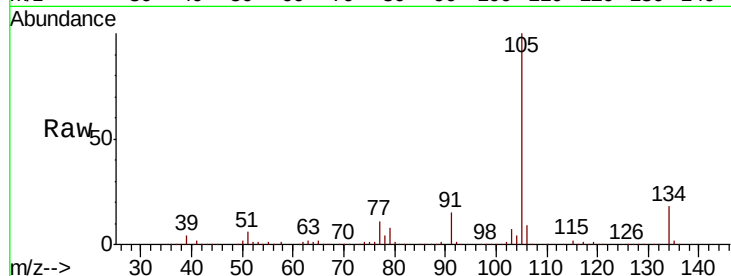
134 18.0 7.9 23.7

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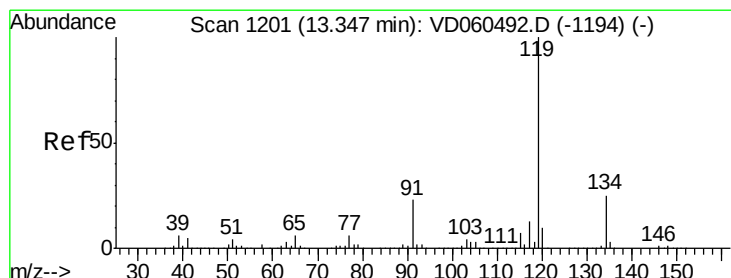
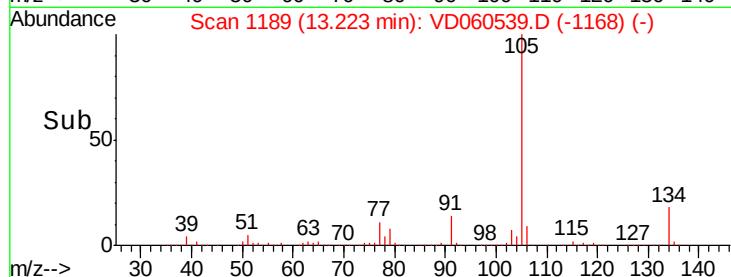
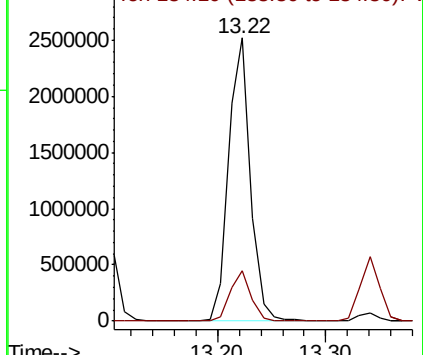
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.806 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

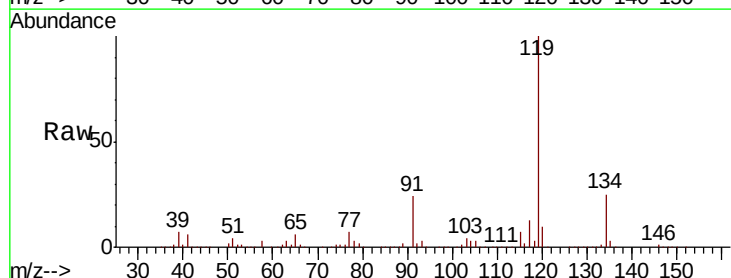
Tgt Ion:119 Resp: 2828356

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

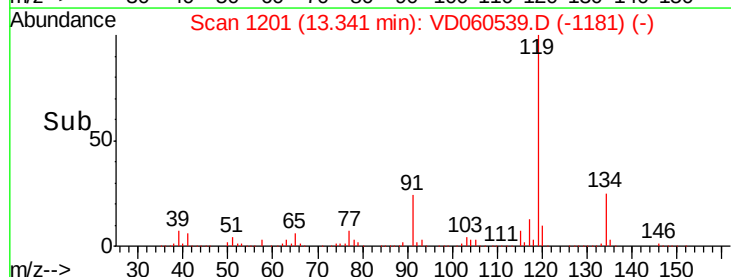
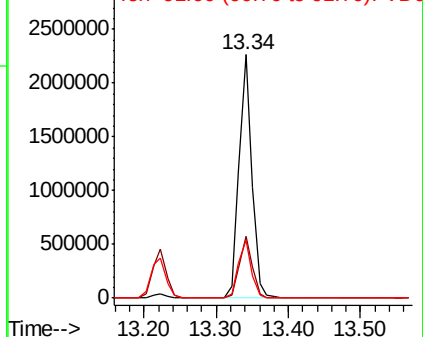
91 23.8 11.5 34.4

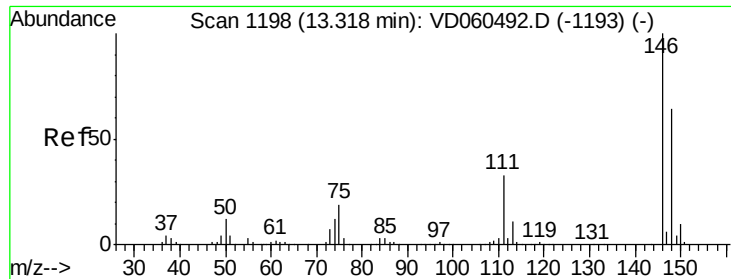


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





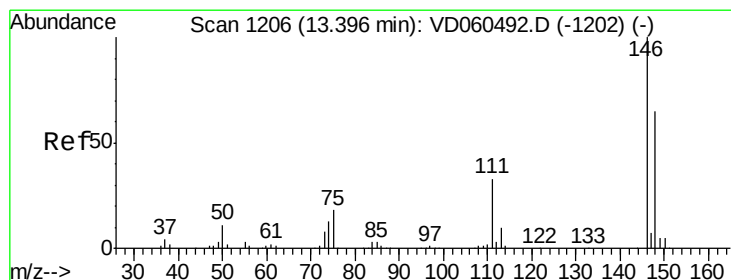
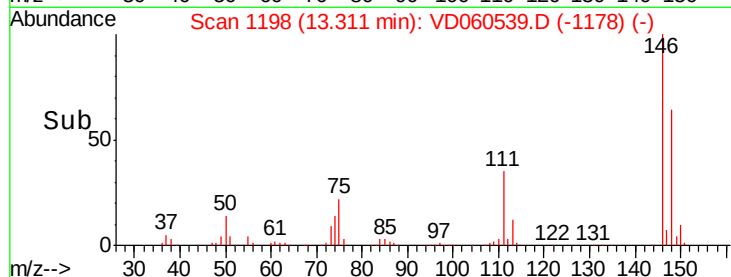
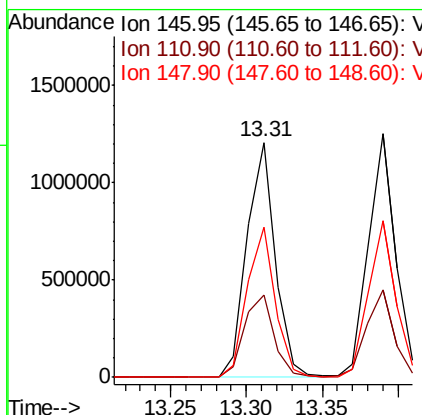
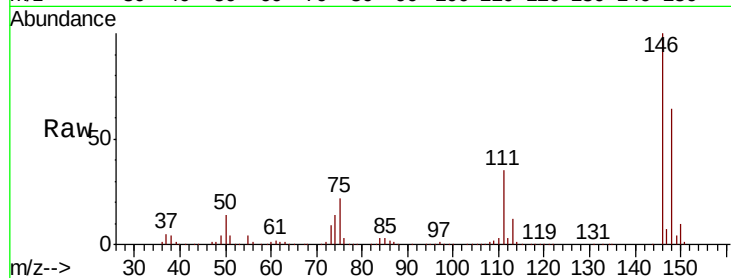
#87
 1,3-Dichlorobenzene
 Concen: 50.321 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	16.5	49.5
148	63.9	32.3	96.8

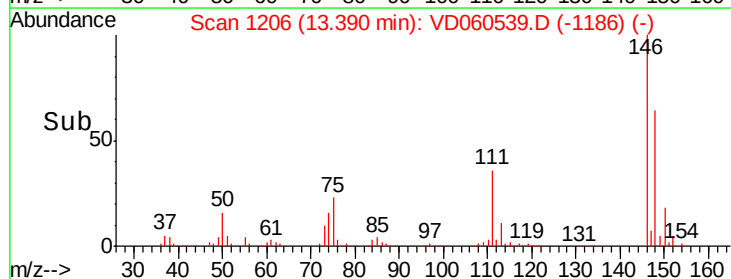
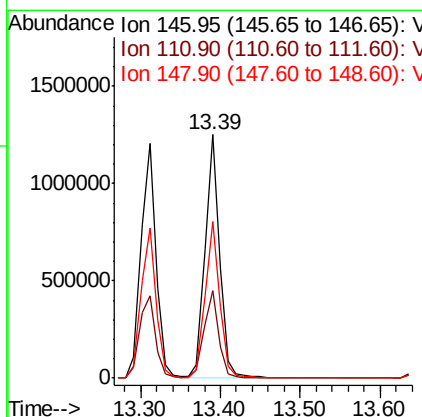
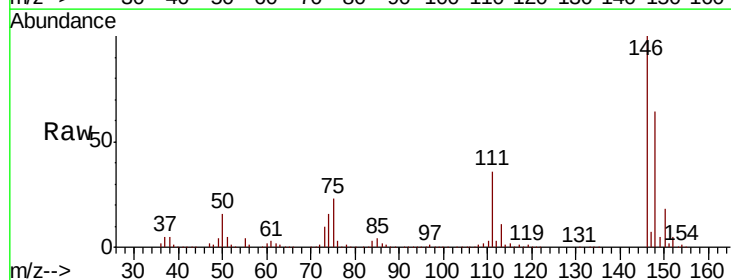
Manual Integrations
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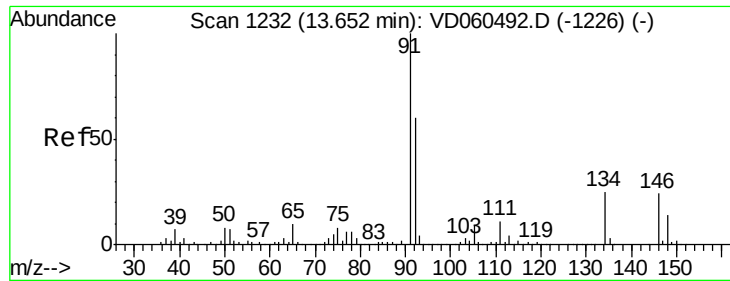
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#88
 1,4-Dichlorobenzene
 Concen: 51.742 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	16.4	49.1
148	64.3	32.6	98.0





#89

n-Butylbenzene

Concen: 53.830 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2922740

Ion Ratio Lower Upper

91 100

92 60.7 30.0 90.1

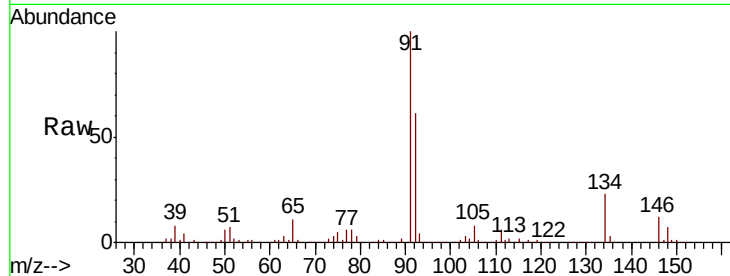
134 23.4 12.5 37.5

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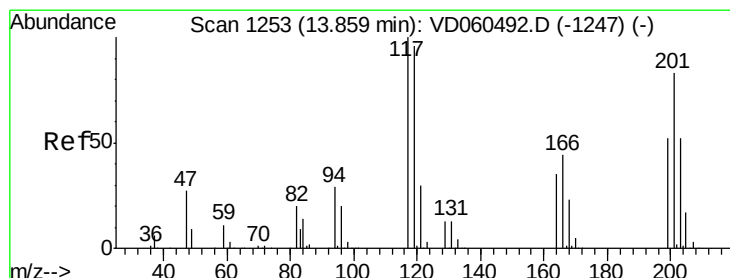
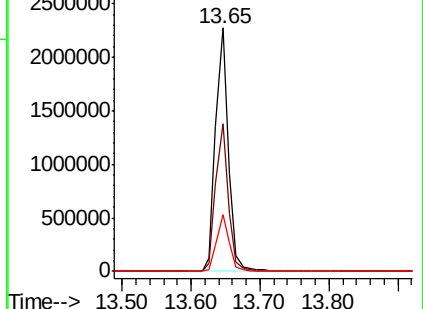
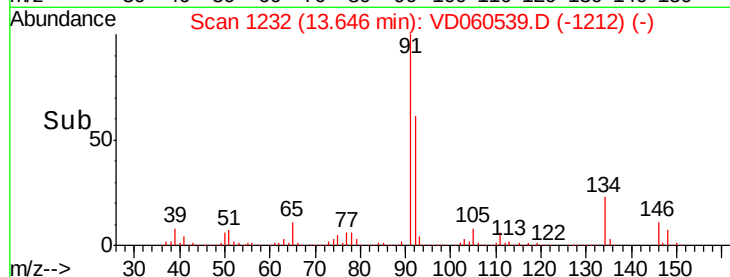
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 52.426 ug/l

RT: 13.85 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD060539.D

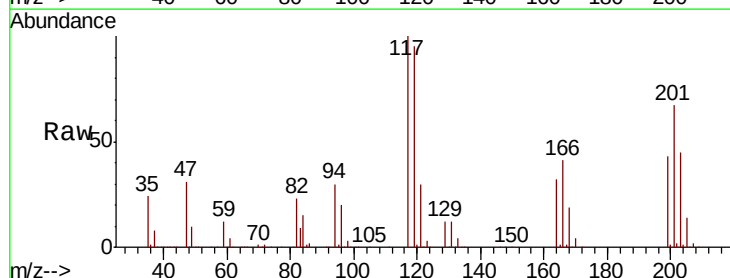
Acq: 12 Dec 2018 11:10

Tgt Ion: 117 Resp: 731763

Ion Ratio Lower Upper

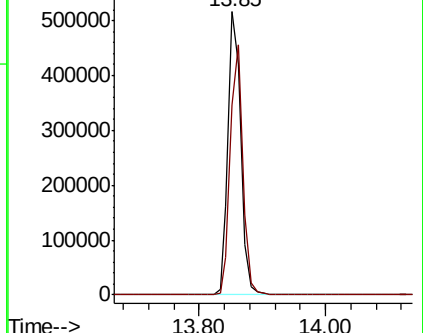
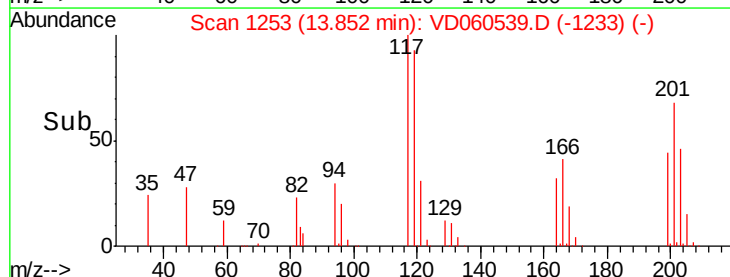
117 100

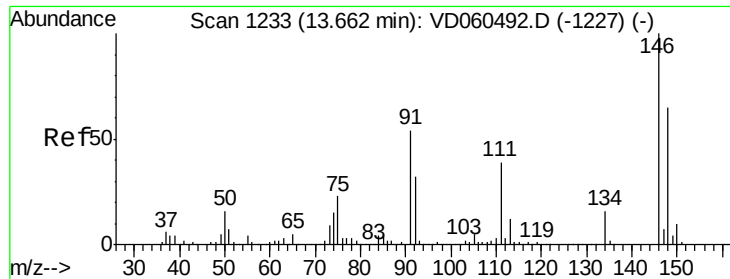
201 67.3 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





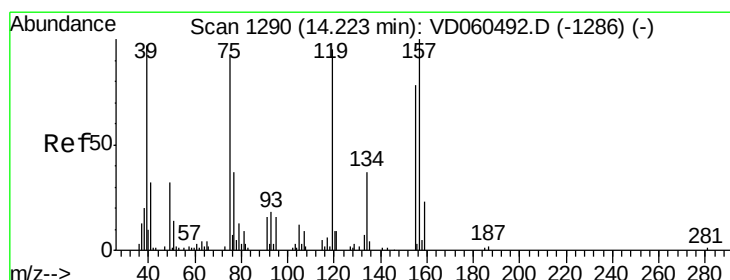
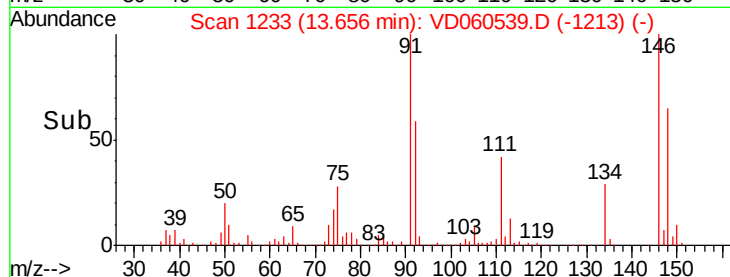
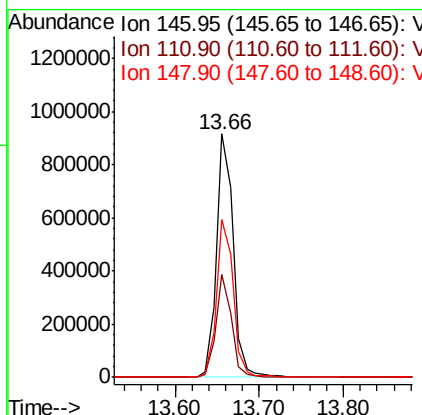
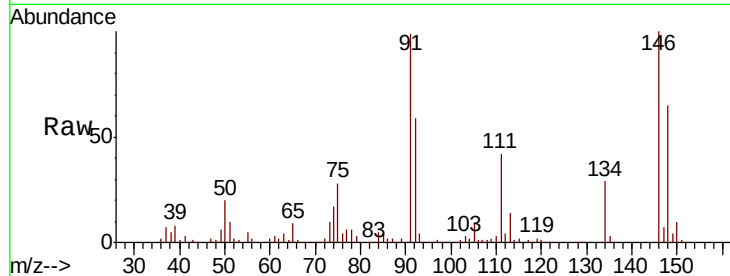
#91
 1,2-Dichlorobenzene
 Concen: 49.177 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1257888
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.3 57.8
 148 64.9 32.3 96.8

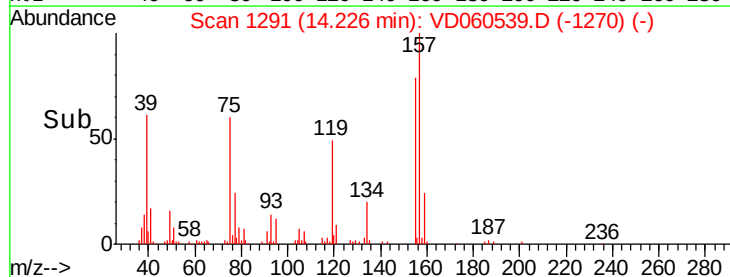
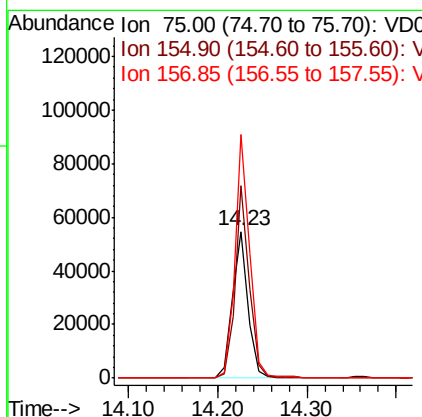
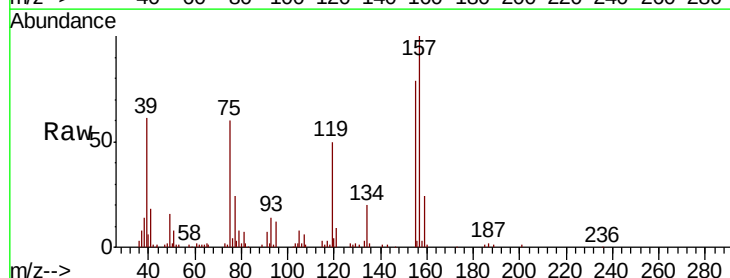
Manual Integrations
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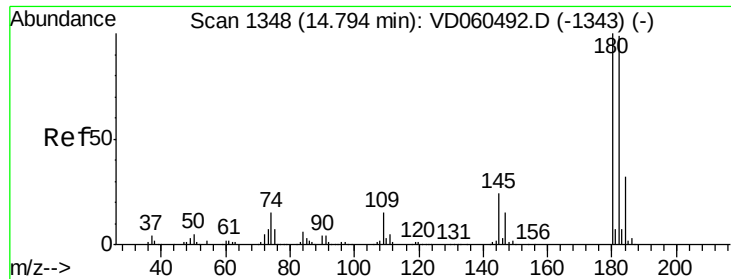
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.409 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 75 Resp: 69412
 Ion Ratio Lower Upper
 75 100
 155 130.5 41.6 124.9#
 157 165.7 53.6 160.8#





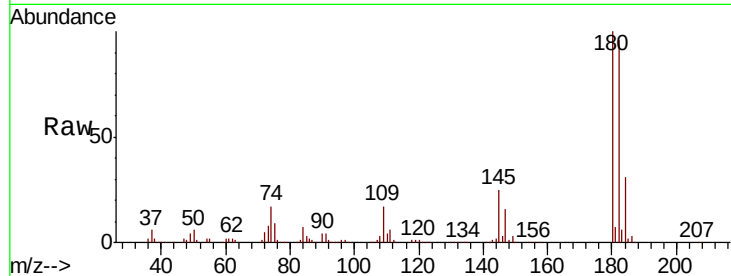
#93
 1,2,4-Trichlorobenzene
 Concen: 53.933 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

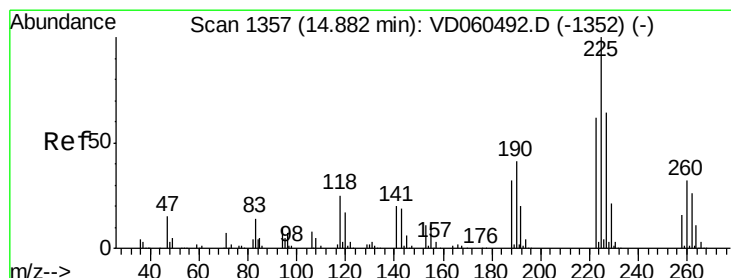
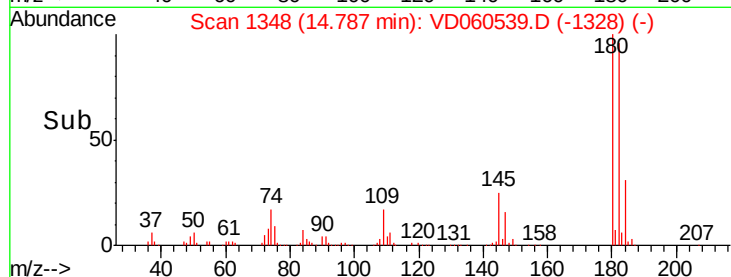
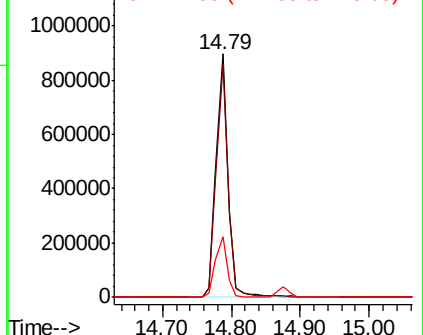
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.4	148.0
145	24.7	11.9	35.9

Manual Integrations
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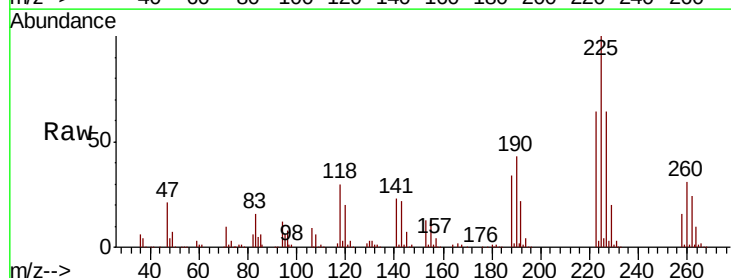


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

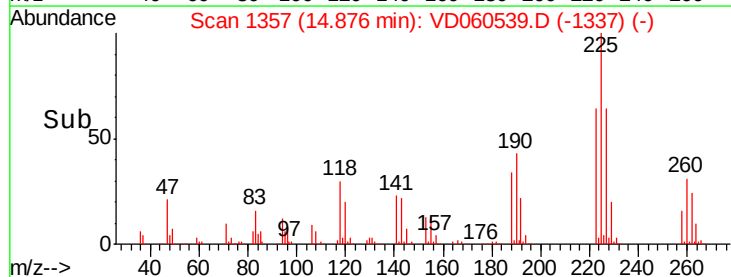
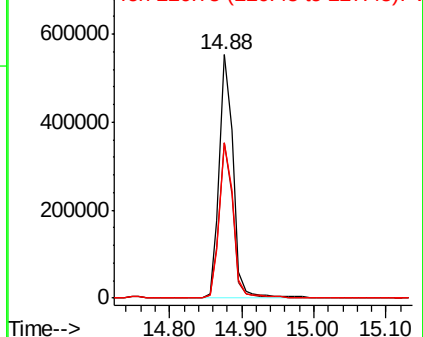


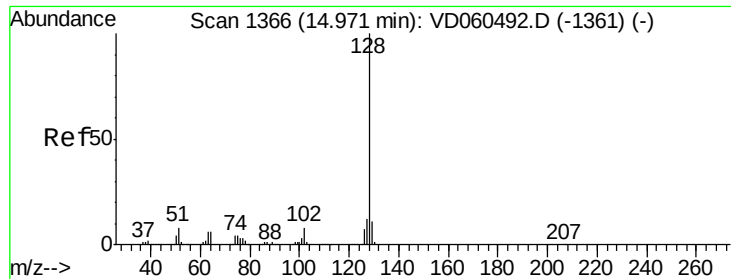
#94
 Hexachlorobutadiene
 Concen: 49.825 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.2	93.6
227	64.0	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 55.909 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

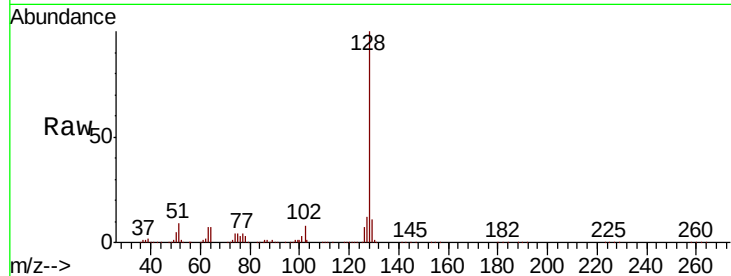
ClientSampleId :

VSTDCCC050

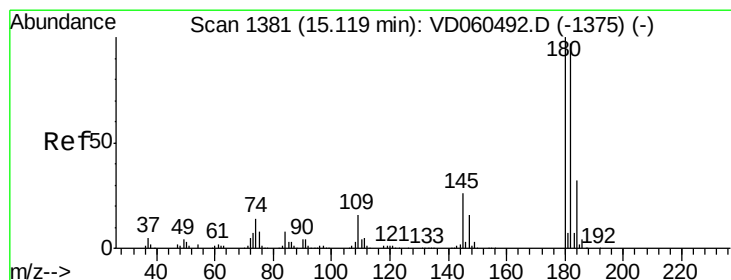
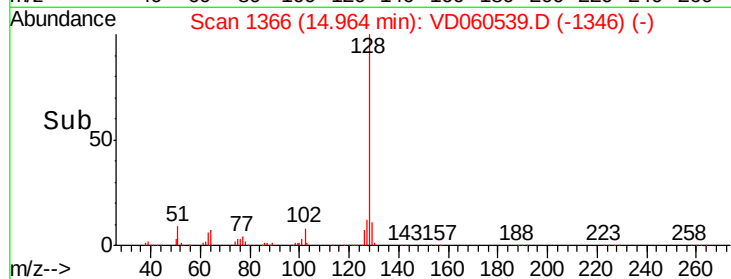
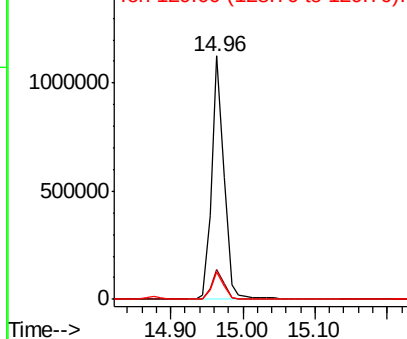
Tot Ion:	128	Resp:	1329966
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	11.0	8.6	13.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.686 ug/l

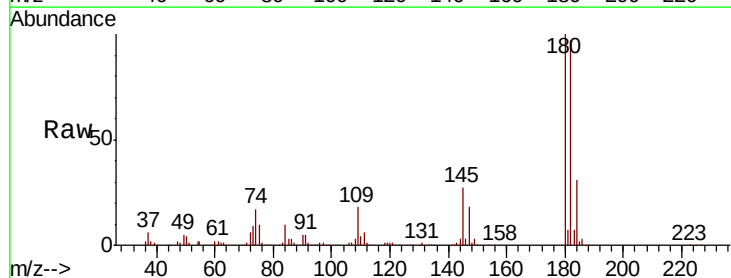
RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:	180	Resp:	839426
Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.5
145	27.3	12.9	38.7



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

