

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060049.D
 Acq On : 20 Sep 2018 11:09
 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
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apatel
 9/21/2018 12:01:37 PM

Quant Time: Sep 20 16:37:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1655658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2346035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1893405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	1021904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	679162	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	6.30	113	937796	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	9.44	98	2597834	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.42	95	973757	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	826946	47.317	ug/l	99
3) Chloromethane	1.75	50	745868	48.314	ug/l	98
4) Vinyl Chloride	1.84	62	611166	49.247	ug/l	99
5) Bromomethane	2.13	94	94417	64.274	ug/l	96
6) Chloroethane	2.25	64	172205	62.067	ug/l	97
7) Trichlorofluoromethane	2.49	101	743470	54.414	ug/l	99
8) Diethyl Ether	2.81	74	151476	52.153	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.07	101	472785	54.875	ug/l	98
10) Methyl Iodide	3.23	142	505588	55.406	ug/l	96
11) Tert butyl alcohol	3.95	59	224948	215.918	ug/l	99
12) 1,1-Dichloroethene	3.05	96	371855	54.586	ug/l	97
13) Acrolein	2.96	56	139808	216.701	ug/l	97
14) Allyl chloride	3.52	41	730379	50.838	ug/l	97
15) Acrylonitrile	4.07	53	994362	252.852	ug/l	99
16) Acetone	3.14	43	651229	261.244	ug/l	98
17) Carbon Disulfide	3.30	76	1211266	51.605	ug/l	99
18) Methyl Acetate	3.53	43	255832	50.464	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	1599759	50.824	ug/l	97
20) Methylene Chloride	3.70	84	936178	53.249	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	912516	51.044	ug/l	94
22) Diisopropyl ether	4.83	45	3408712	52.015	ug/l	97
23) Vinyl Acetate	4.78	43	9587123	258.230	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1553073	52.810	ug/l	100
25) 2-Butanone	5.60	43	1602887	238.285	ug/l	100
26) 2,2-Dichloropropane	5.56	77	1199472	52.462	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	961046	51.394	ug/l	99
28) Bromochloromethane	5.91	49	765964	54.184	ug/l	99
29) Tetrahydrofuran	5.94	42	866042	240.068	ug/l	98
30) Chloroform	6.08	83	1589074	53.282	ug/l	100
31) Cyclohexane	6.35	56	1344075	46.874	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1261697	51.008	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1167830	50.112	ug/l	100
37) Ethyl Acetate	5.68	43	759070	47.366	ug/l	98
38) Carbon Tetrachloride	6.48	117	1057419	48.607	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1314865	49.876	ug/l	97
40) Benzene	6.77	78	3068542	51.662	ug/l	99
41) Methacrylonitrile	5.92	41	446085m	53.146	ug/l	
42) 1,2-Dichloroethane	6.88	62	896919	50.291	ug/l	99
43) Isopropyl Acetate	8.34	43	1036730	48.316	ug/l #	95
44) Trichloroethene	7.73	130	935638	50.984	ug/l	95
45) 1,2-Dichloropropane	8.09	63	821386	51.716	ug/l	98
46) Dibromomethane	8.20	93	528169	50.967	ug/l	96
47) Bromodichloromethane	8.47	83	1158371	51.846	ug/l	99
48) Methyl methacrylate	8.23	41	584062	48.874	ug/l	97
49) 1,4-Dioxane	8.21	88	113730	958.177	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	3226991	225.311	ug/l	99
52) Toluene	9.54	92	1906868	50.085	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1060201	50.878	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1305163	52.422	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	654633	49.523	ug/l	97
56) Ethyl methacrylate	10.02	69	745025	50.813	ug/l	96
57) 1,3-Dichloropropane	10.37	76	1016488	52.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	1907543	269.421	ug/l	98
59) 2-Hexanone	10.47	43	2381098	233.696	ug/l	100
60) Dibromochloromethane	10.63	129	845788	52.568	ug/l	98
61) 1,2-Dibromoethane	10.75	107	690734	50.610	ug/l	97
64) Tetrachloroethene	10.24	164	873016	52.259	ug/l	99
65) Chlorobenzene	11.30	112	2085232	51.225	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	730886	53.233	ug/l	99
67) Ethyl Benzene	11.42	91	3473681	53.026	ug/l	99
68) m/p-Xylenes	11.56	106	2594308	107.229	ug/l	98
69) o-Xylene	11.93	106	1228916	51.263	ug/l	96
70) Styrene	11.95	104	1994183	49.473	ug/l	98
71) Bromoform	12.11	173	602035	51.036	ug/l	98
73) Isopropylbenzene	12.26	105	3360780	50.145	ug/l	99
74) N-amyl acetate	12.13	43	1269544	47.821	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	760441	50.015	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	783895	50.226	ug/l	100
77) Bromobenzene	12.53	156	1003707	51.990	ug/l	95
78) n-propylbenzene	12.63	91	4183162	49.634	ug/l	98
79) 2-Chlorotoluene	12.70	91	2370953	49.842	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2640361	51.399	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	231310	49.097	ug/l	97
82) 4-Chlorotoluene	12.80	91	2560207	48.953	ug/l	92
83) tert-Butylbenzene	13.04	119	3025432	50.838	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2690950	49.088	ug/l	98
85) sec-Butylbenzene	13.22	105	3557211	50.354	ug/l	94
86) p-Isopropyltoluene	13.34	119	2897979	50.720	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1721290	51.271	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1706242	50.107	ug/l	98
89) n-Butylbenzene	13.64	91	2817288	53.240	ug/l	99
90) Hexachloroethane	13.85	117	728960	51.510	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1443128	53.875	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102185	44.086	ug/l	63

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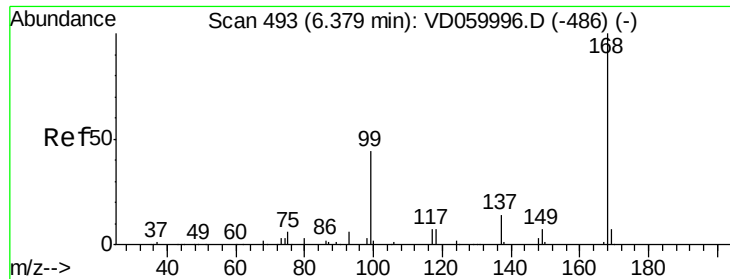
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1237839	51.740	ug/l	99
94) Hexachlorobutadiene	14.87	225	805850	50.920	ug/l	99
95) Naphthalene	14.96	128	1836938	49.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037091	49.190	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1655658

Ion Ratio Lower Upper

168 100

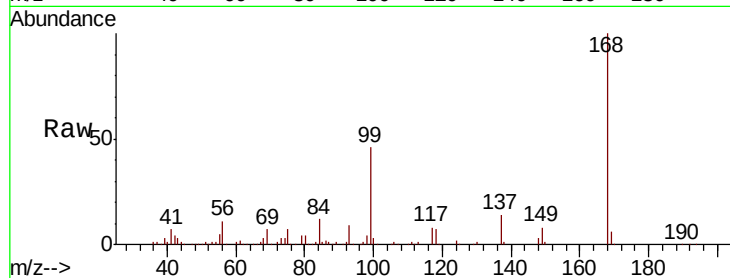
99 46.4 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

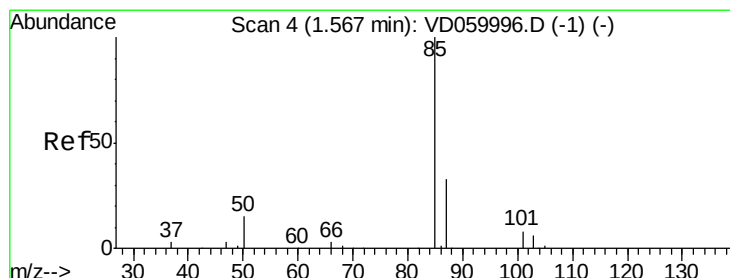
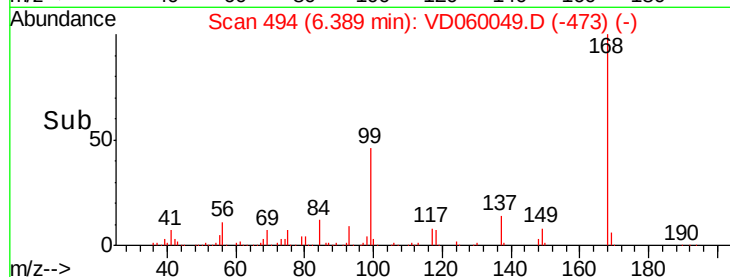
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 47.317 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060049.D

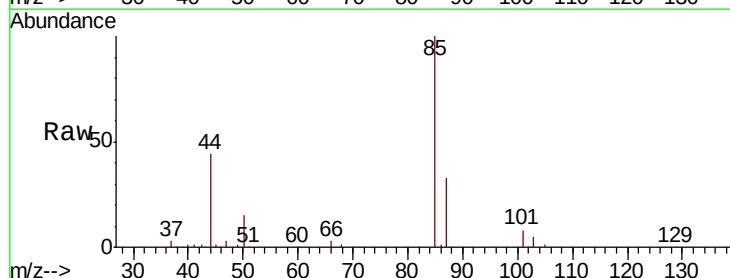
Acq: 20 Sep 2018 11:09

Tgt Ion: 85 Resp: 826946

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

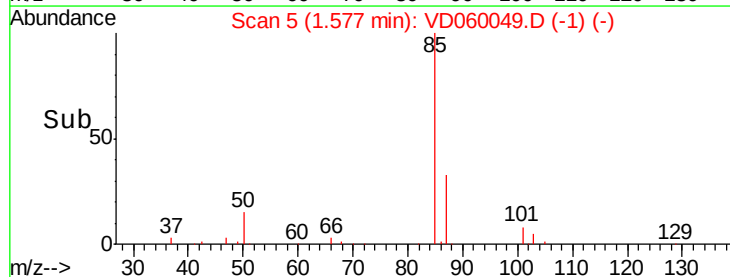
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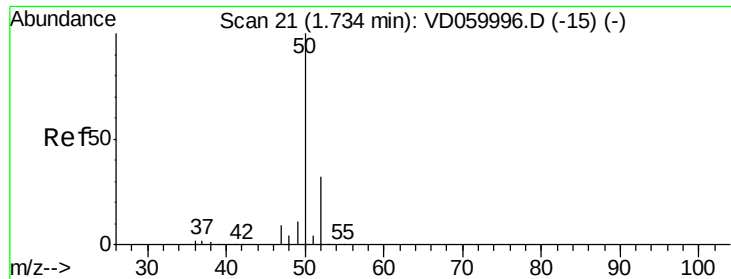
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100000

0

Time--> 1.50 1.60 1.70





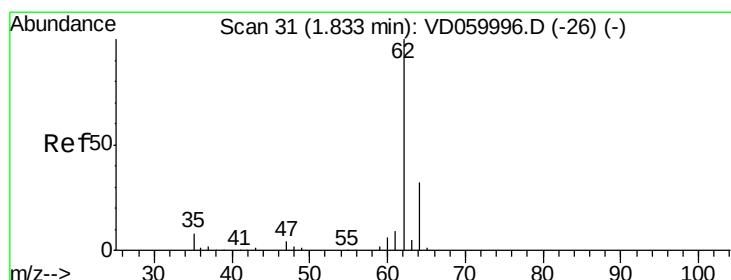
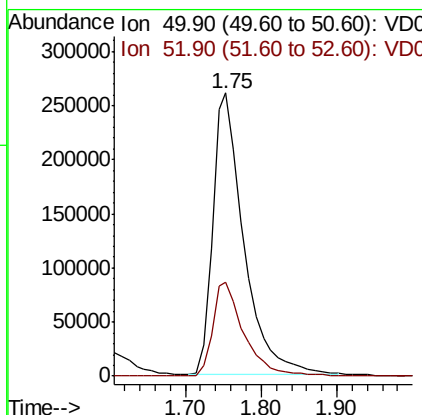
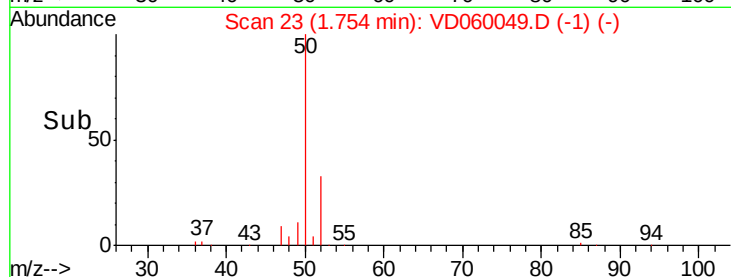
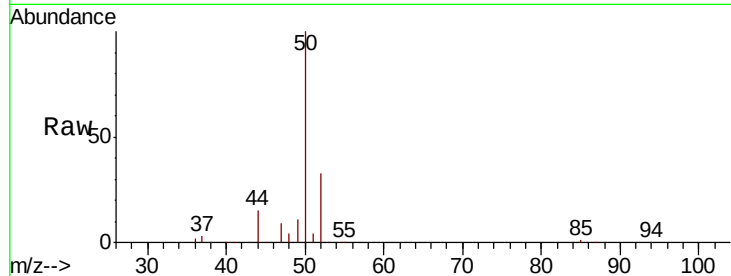
#3
Chloromethane
Concen: 48.314 ug/l
RT: 1.75 min Scan# 23
Delta R.T. 0.02 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 745868
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.2

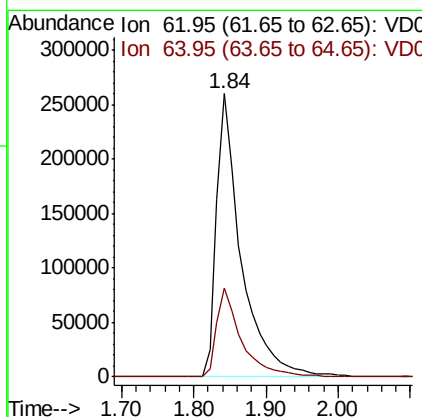
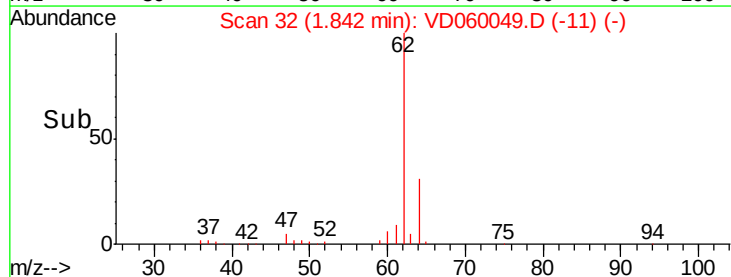
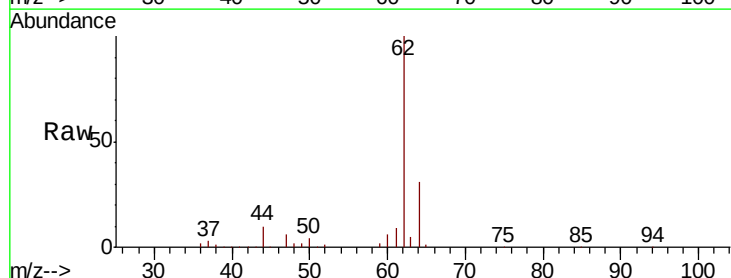
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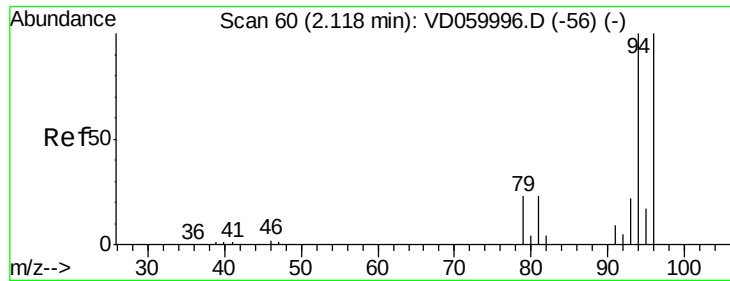
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#4
Vinyl Chloride
Concen: 49.247 ug/l
RT: 1.84 min Scan# 32
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 62 Resp: 611166
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3





#5

Bromomethane

Concen: 64.274 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 94417

Ion Ratio Lower Upper

94 100

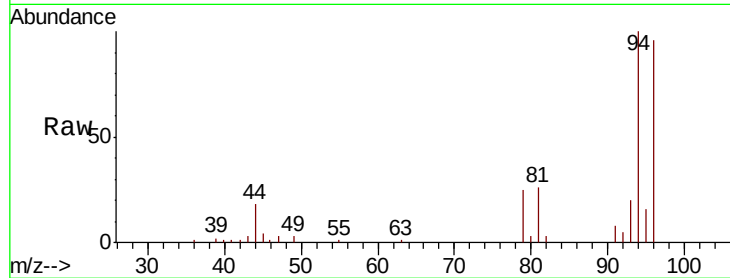
96 96.3 79.8 119.8

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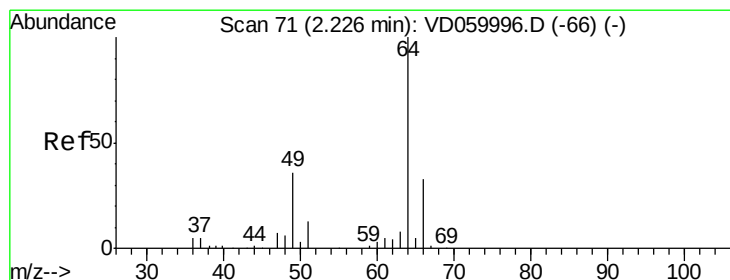
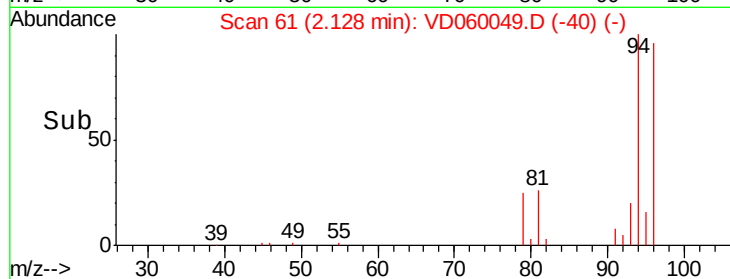
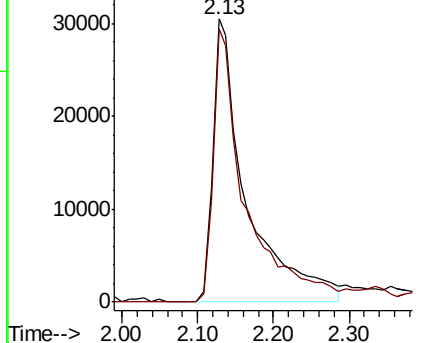
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 62.067 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.02 min

Lab File: VD060049.D

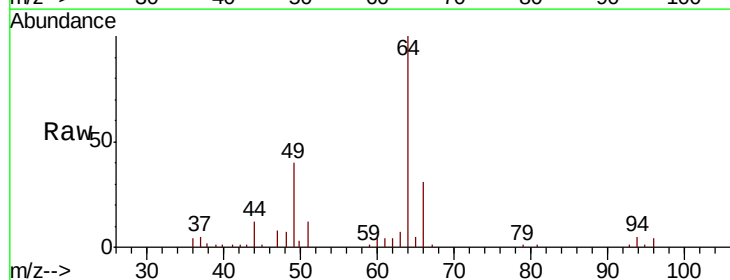
Acq: 20 Sep 2018 11:09

Tgt Ion: 64 Resp: 172205

Ion Ratio Lower Upper

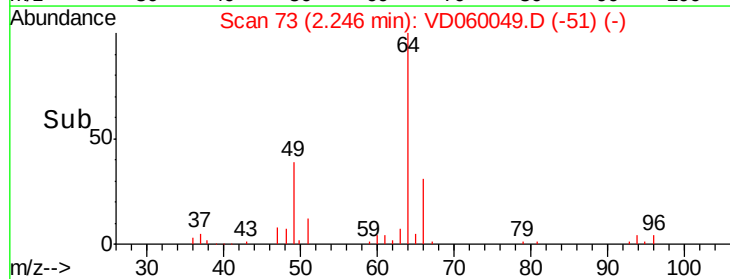
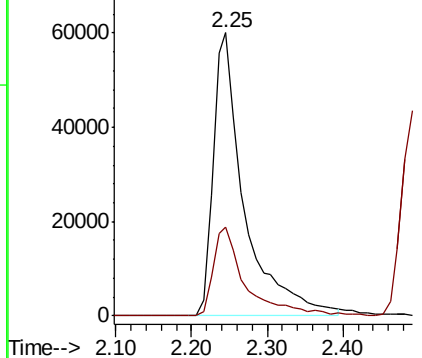
64 100

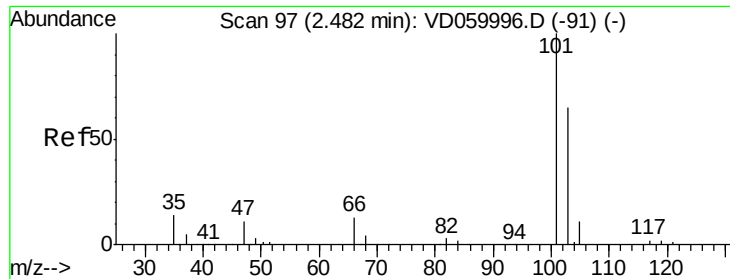
66 31.4 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 54.414 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

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Tot Ion:101 Resp: 743470

Ion Ratio Lower Upper

101 100

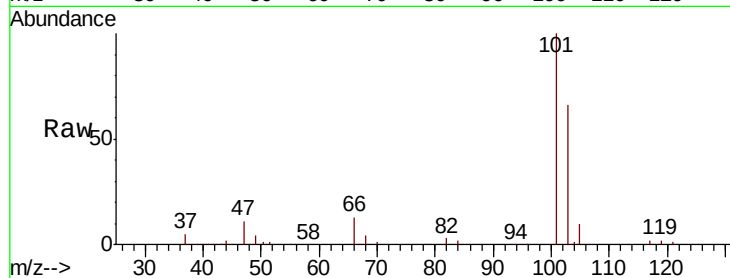
103 65.6 51.6 77.4

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

300000

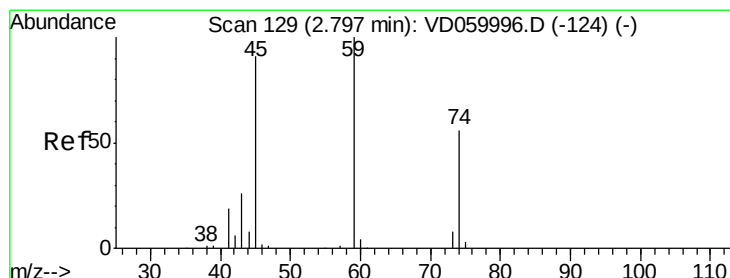
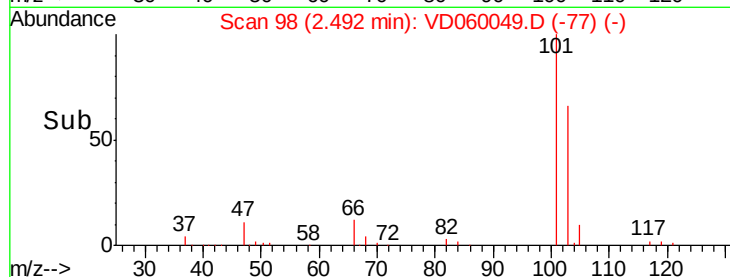
200000

100000

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Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 52.153 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060049.D

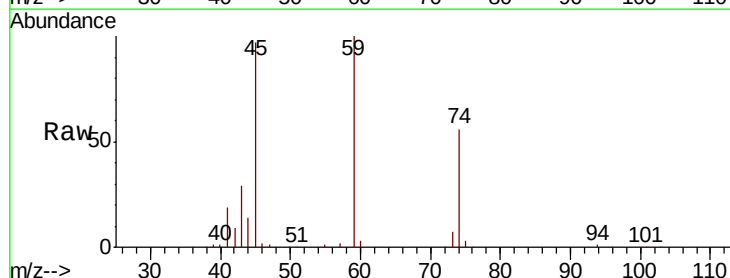
Acq: 20 Sep 2018 11:09

Tgt Ion: 74 Resp: 151476

Ion Ratio Lower Upper

74 100

45 171.2 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

120000

100000

80000

60000

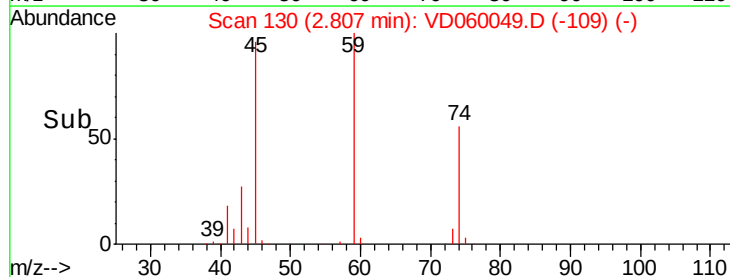
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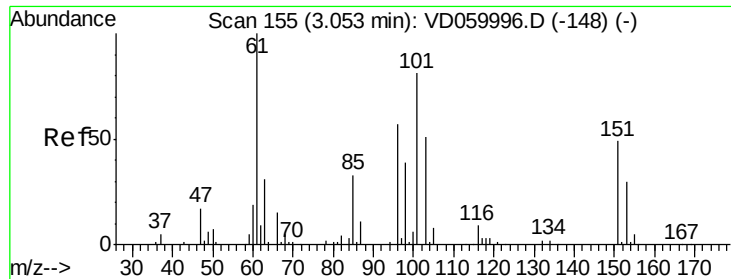
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Time-->

2.70 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.875 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060049.D

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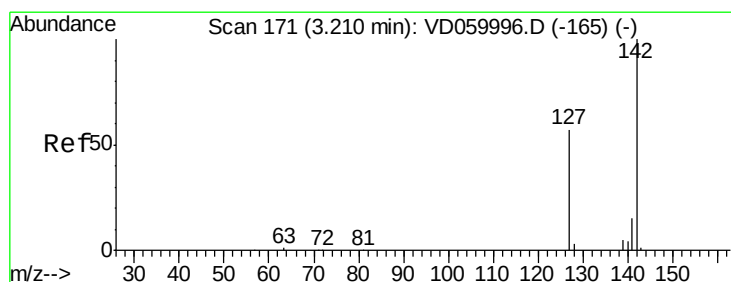
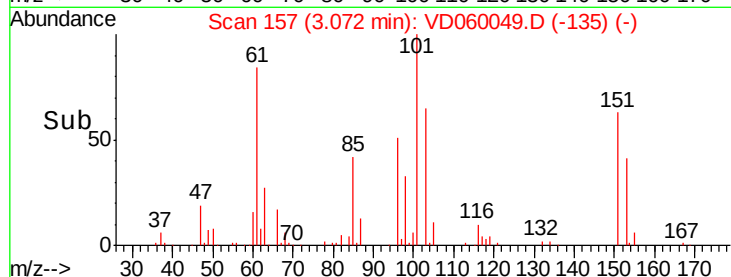
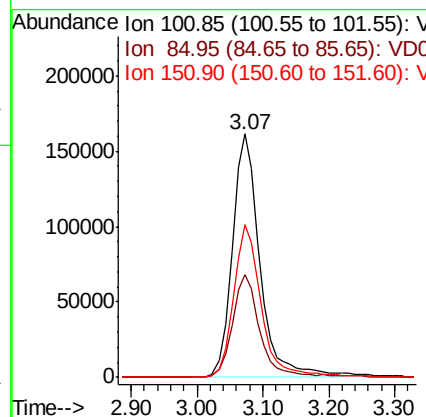
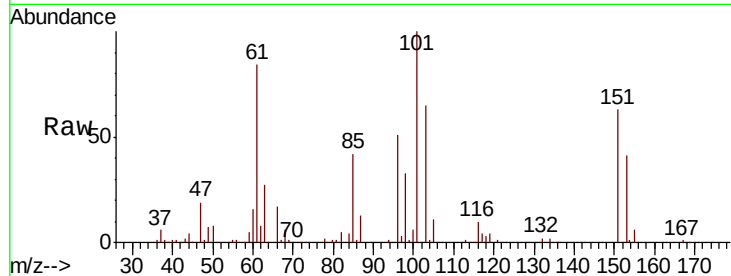
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	472785
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.1	49.7
151	62.7	48.2	72.4

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#10

Methyl Iodide

Concen: 55.406 ug/l

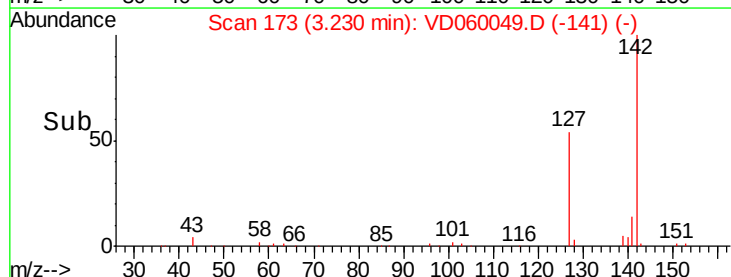
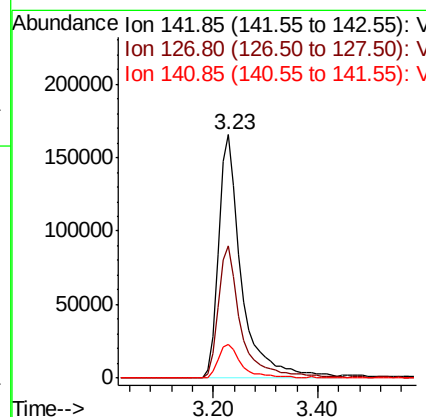
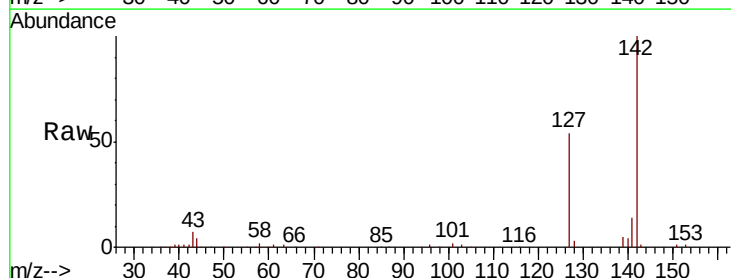
RT: 3.23 min Scan# 173

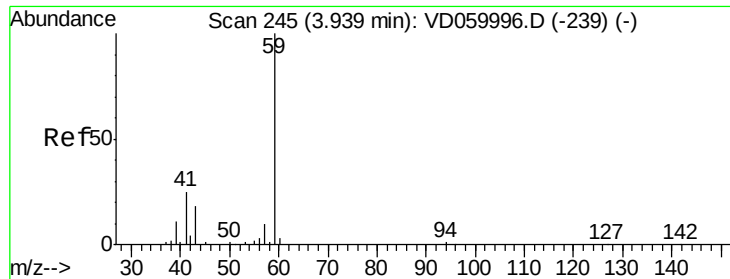
Delta R.T. 0.02 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion:	142	Resp:	505588
Ion Ratio	Lower	Upper	
142	100		
127	54.2	45.8	68.8
141	13.9	12.2	18.4





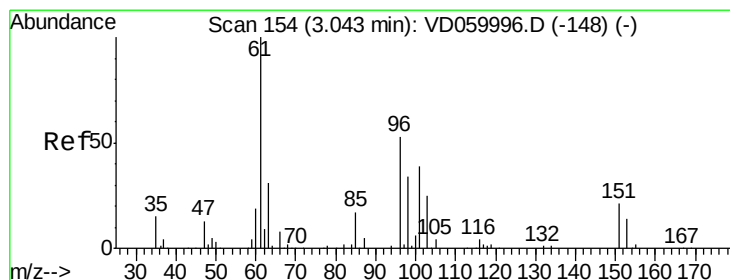
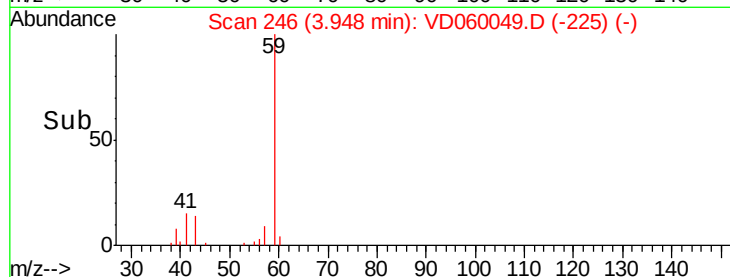
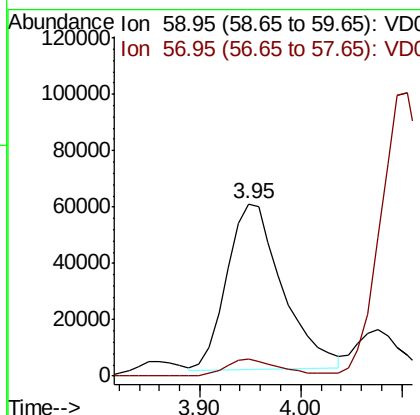
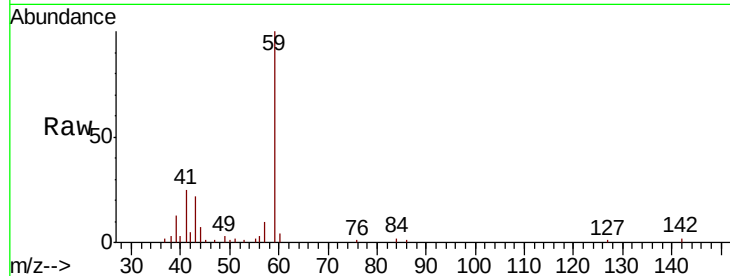
#11
Tert butyl alcohol
Concen: 215.918 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	224948
Ion Ratio	100	Lower	Upper
57	9.8	7.4	11.2

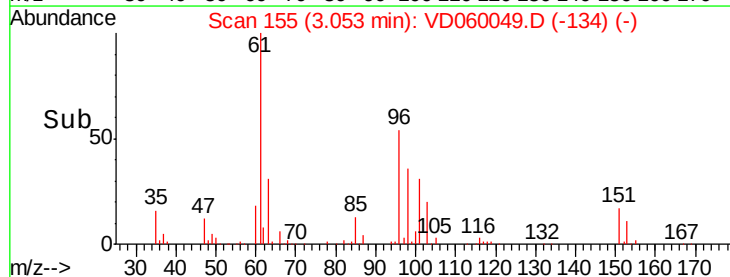
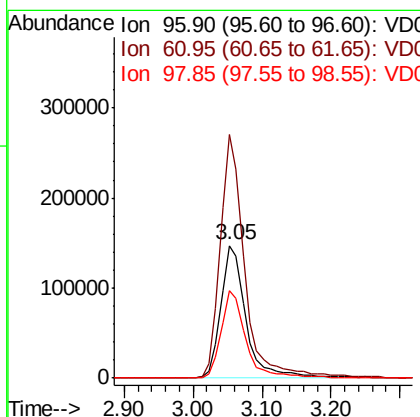
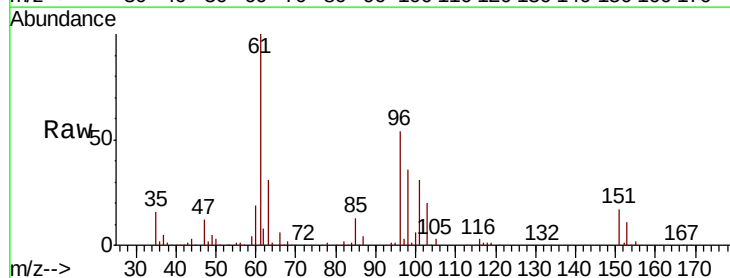
Manual Integrations
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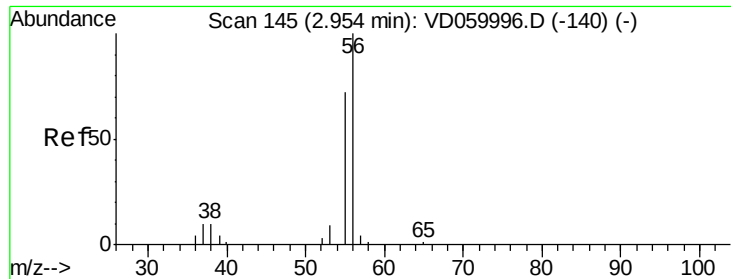
apatel
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#12
1,1-Dichloroethene
Concen: 54.586 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	96	Resp	371855
Ion Ratio	100	Lower	Upper
61	183.7	149.8	224.6
98	65.7	50.2	75.4





#13

Acrolein

Concen: 216.701 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 139808

Ion Ratio Lower Upper

56 100

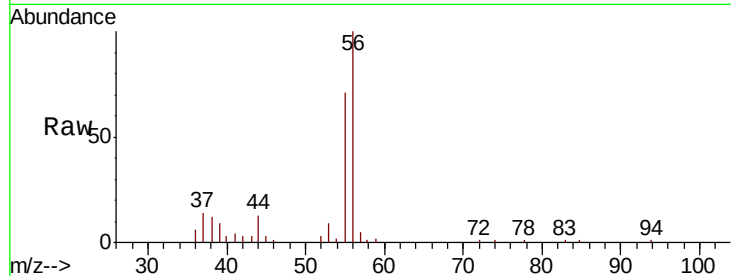
55 70.8 58.3 87.5

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

60000

50000

40000

30000

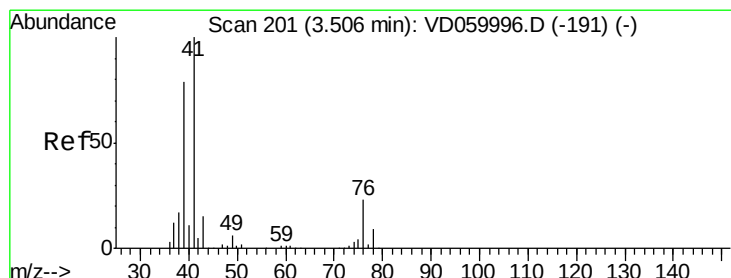
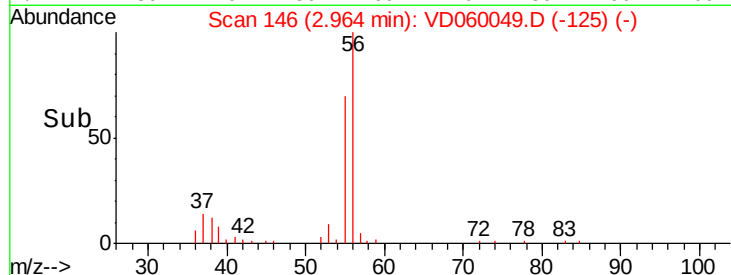
20000

10000

0

Time-->

2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.838 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

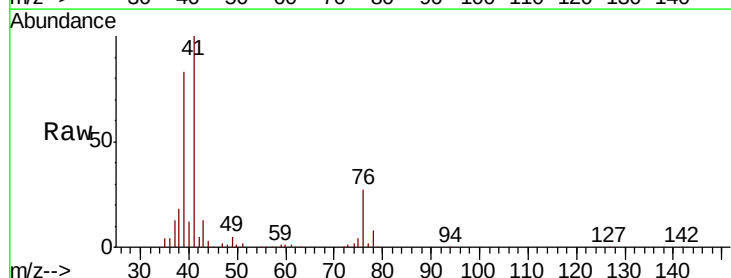
Tgt Ion: 41 Resp: 730379

Ion Ratio Lower Upper

41 100

39 82.6 63.6 95.4

76 27.0 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.52

300000

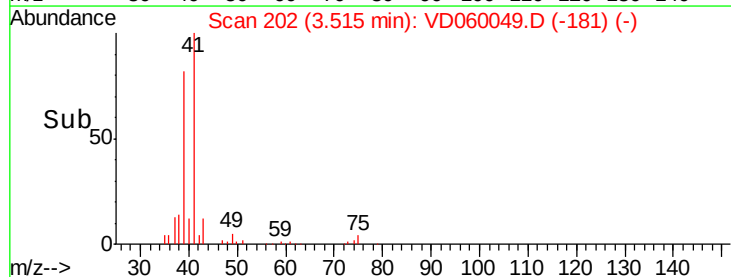
200000

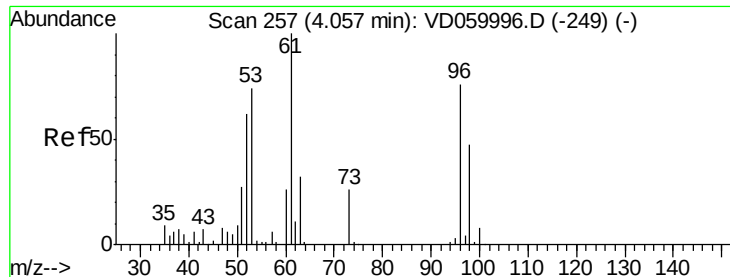
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 252.852 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

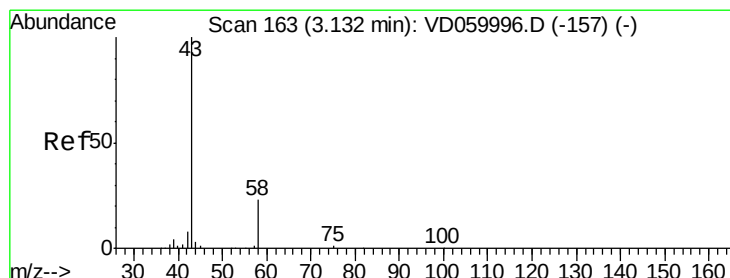
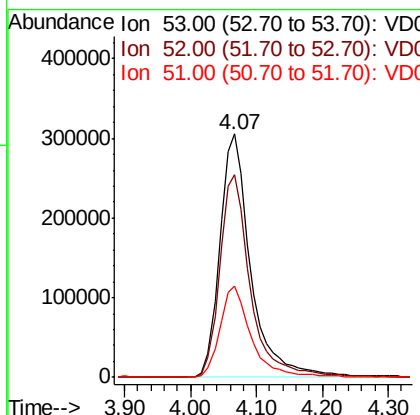
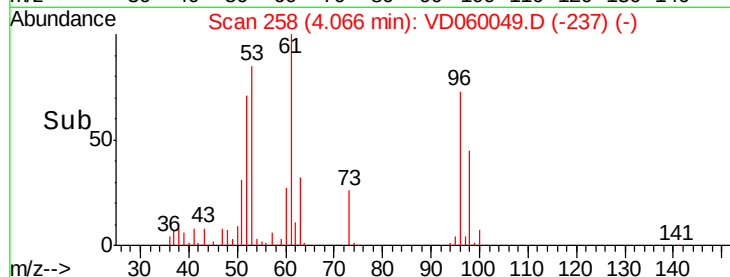
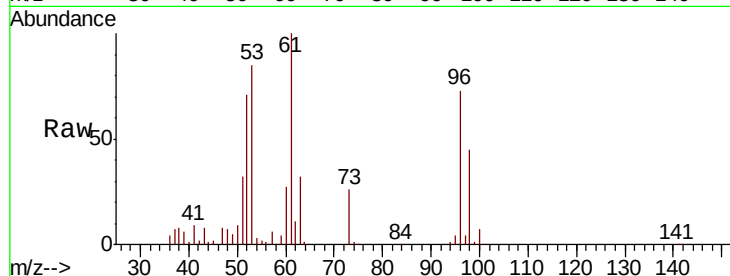
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	994362
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	37.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 261.244 ug/l

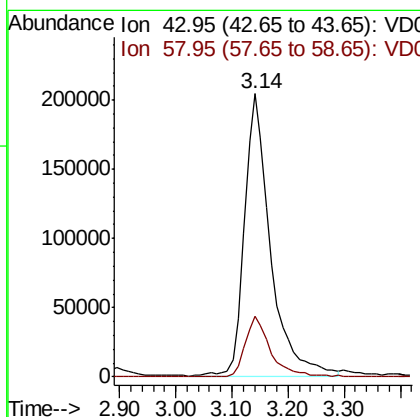
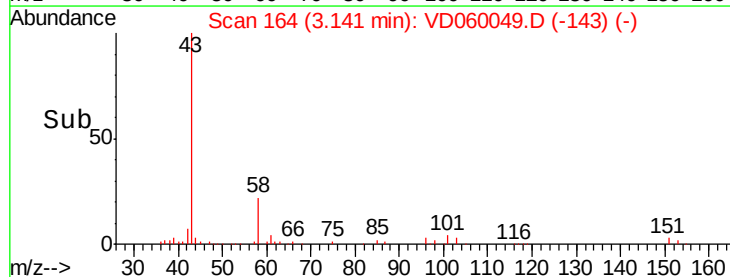
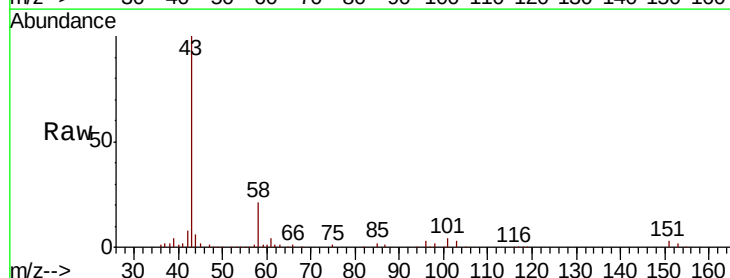
RT: 3.14 min Scan# 164

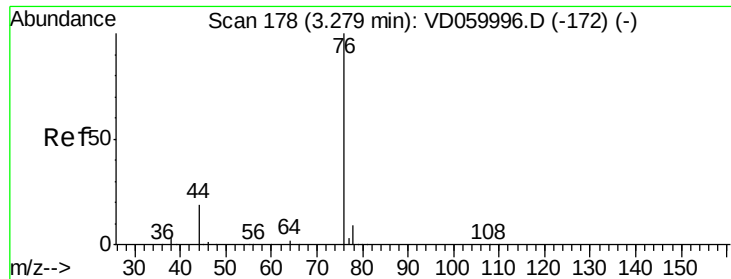
Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion:	43	Resp:	651229
Ion Ratio	Lower	Upper	
43	100		
58	21.5	18.1	27.1





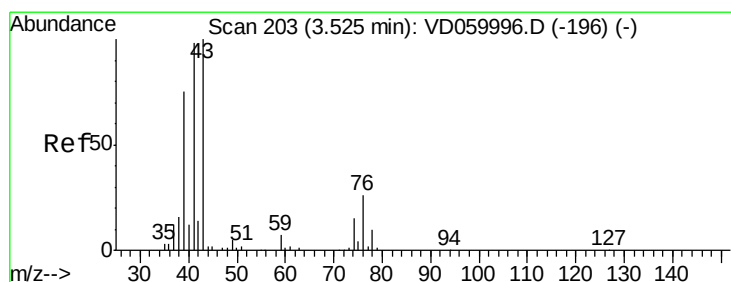
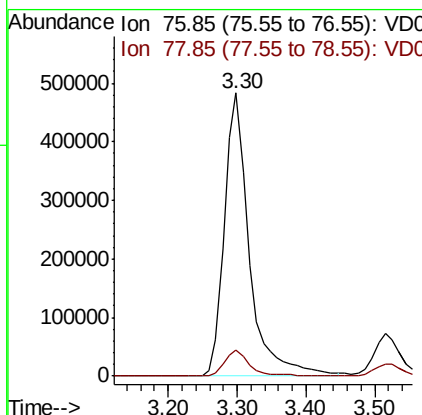
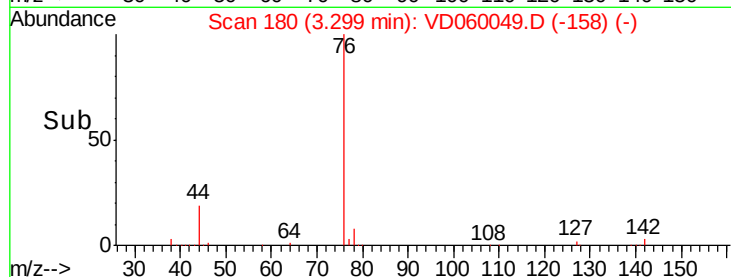
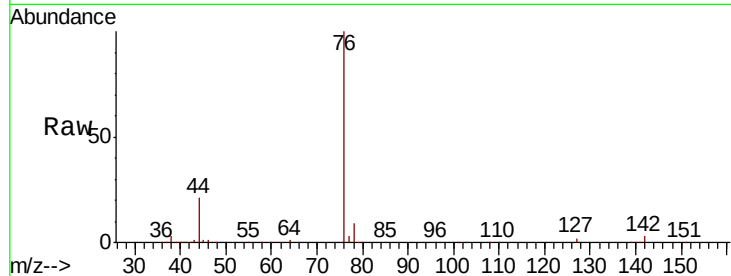
#17
Carbon Disulfide
Concen: 51.605 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1211266
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

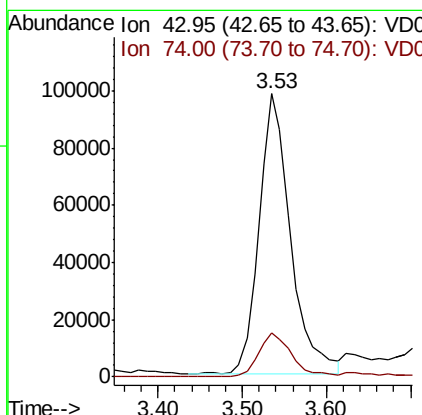
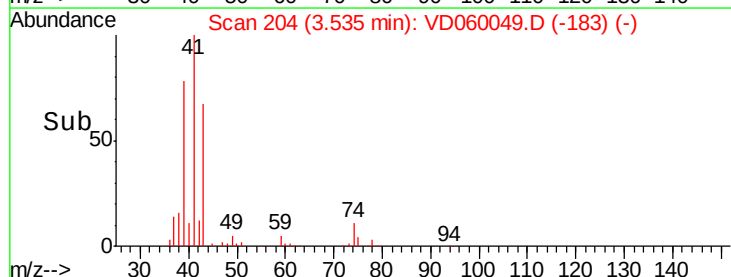
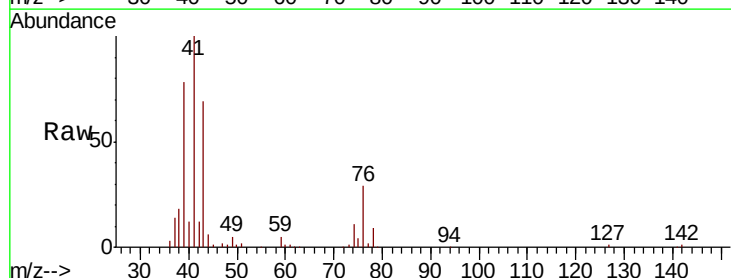
Manual Integrations
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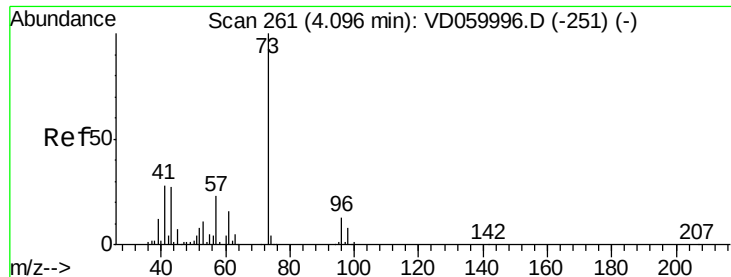
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#18
Methyl Acetate
Concen: 50.464 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 43 Resp: 255832
Ion Ratio Lower Upper
43 100
74 15.7 11.8 17.8





#19

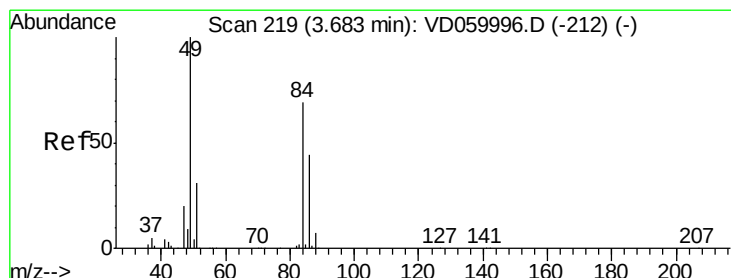
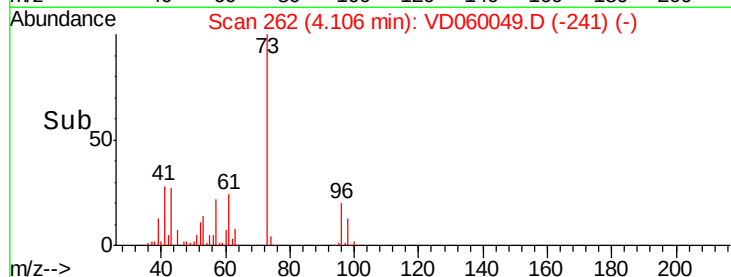
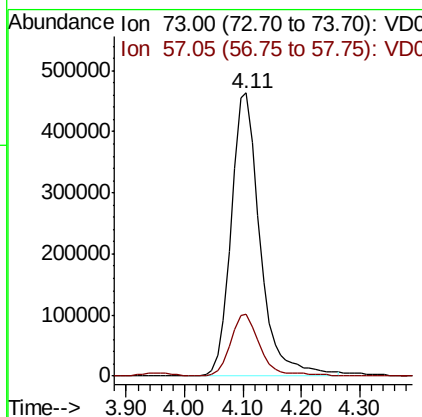
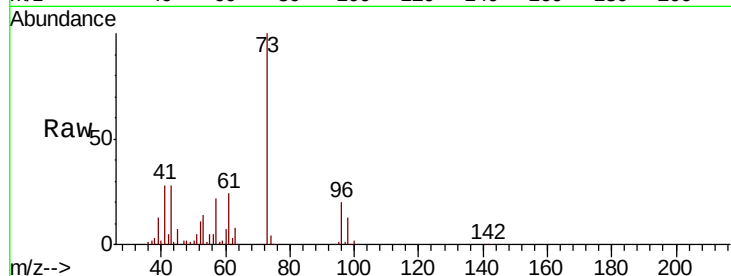
Methyl tert-butyl Ether
 Concen: 50.824 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1599759
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.4 27.6

Manual Integrations
 APPROVED

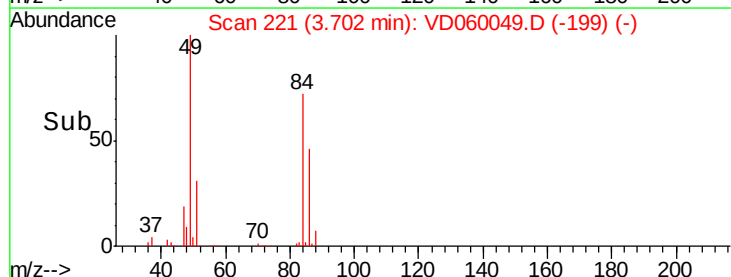
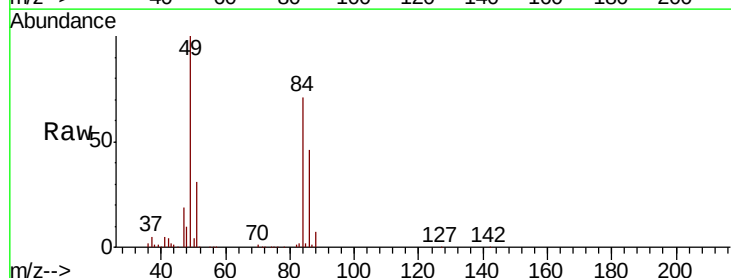
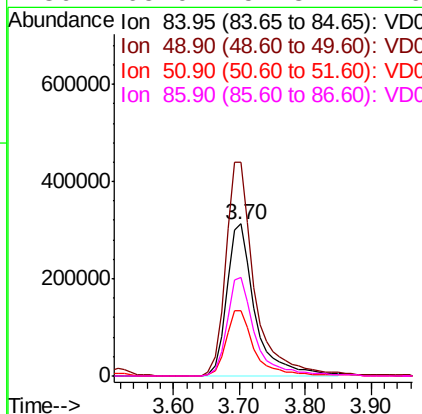
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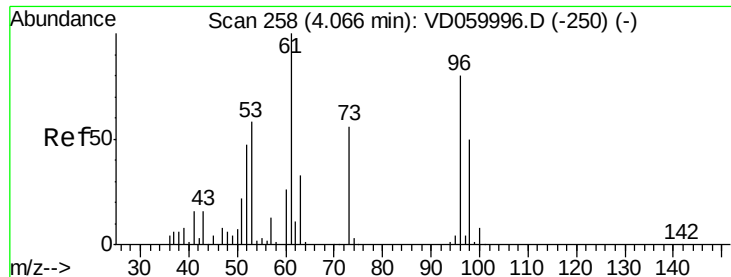


#20

Methylene Chloride
 Concen: 53.249 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 84 Resp: 936178
 Ion Ratio Lower Upper
 84 100
 49 140.4 116.6 175.0
 51 42.9 35.9 53.9
 86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.044 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 912516

Ion Ratio Lower Upper

96 100

61 132.9 100.1 150.1

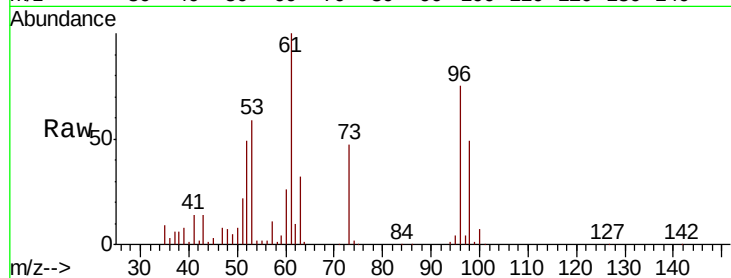
98 65.1 49.5 74.3

Manual Integrations

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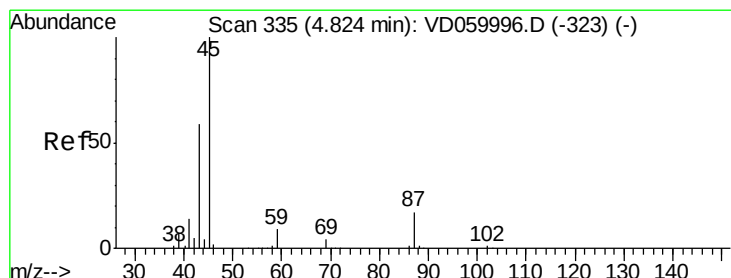
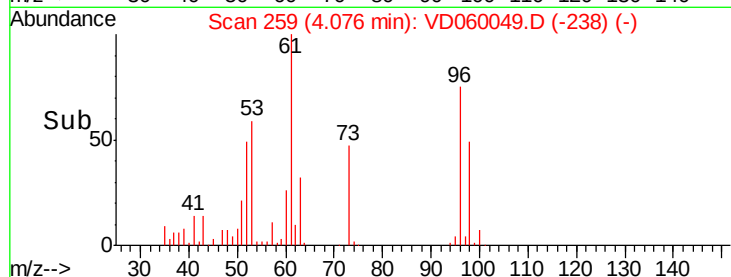
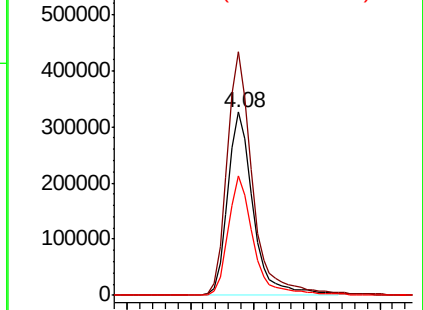
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.015 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion: 45 Resp: 3408712

Ion Ratio Lower Upper

45 100

43 61.6 47.1 70.7

87 17.3 14.2 21.2

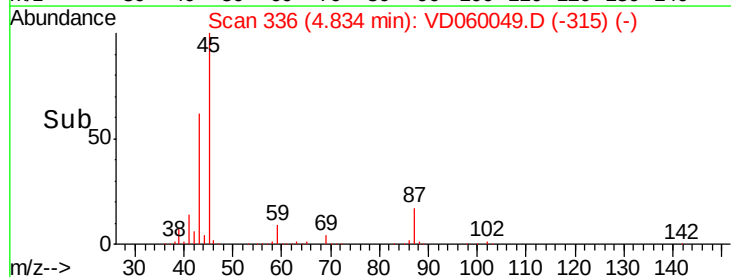
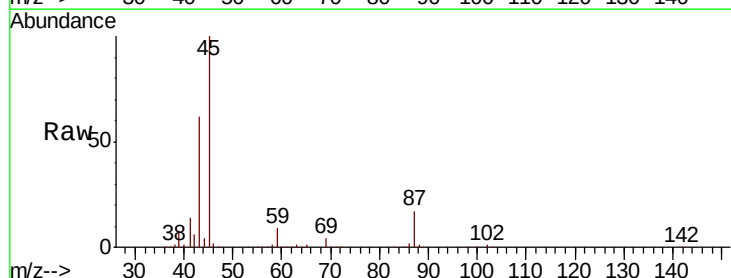
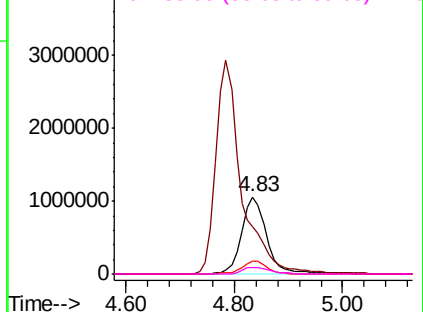
59 8.6 7.0 10.6

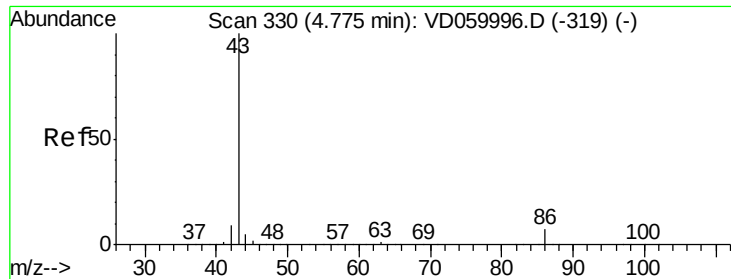
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





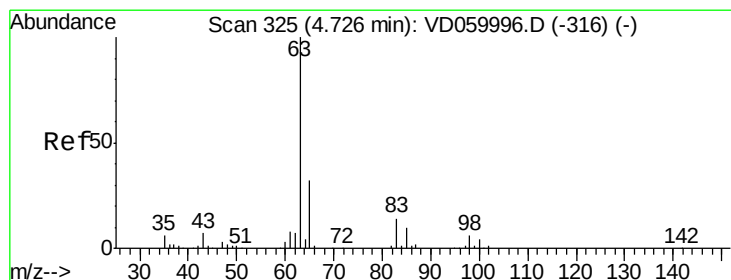
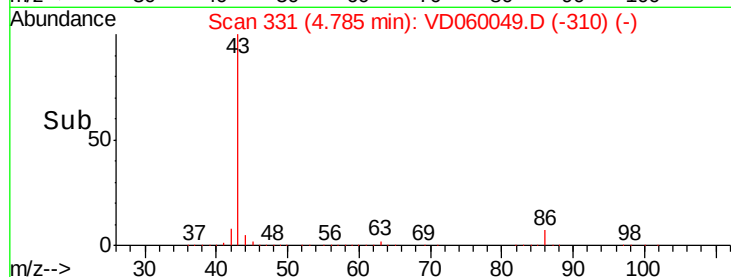
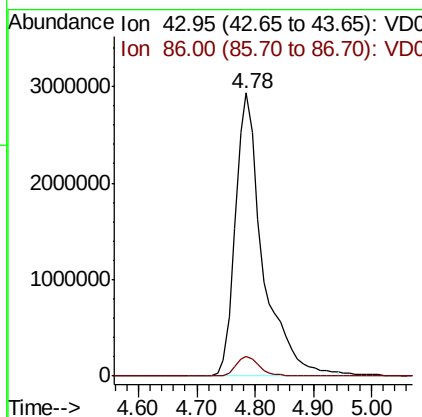
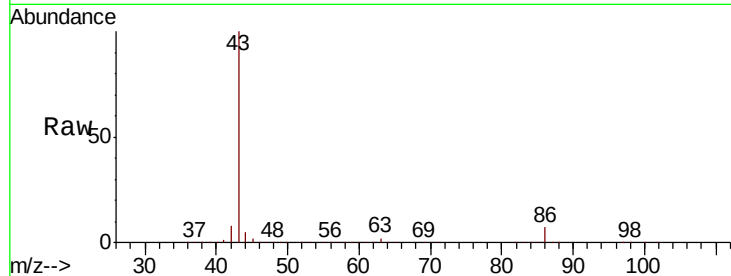
#23
 Vinyl Acetate
 Concen: 258.230 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 9587123
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.5 8.3

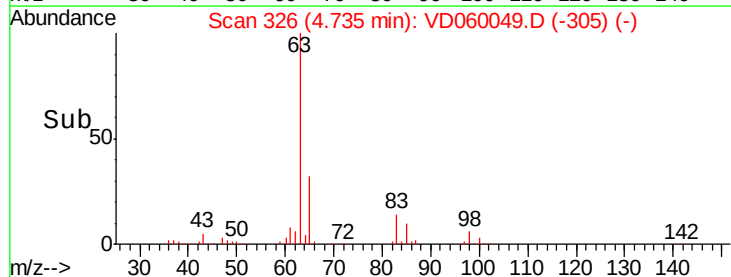
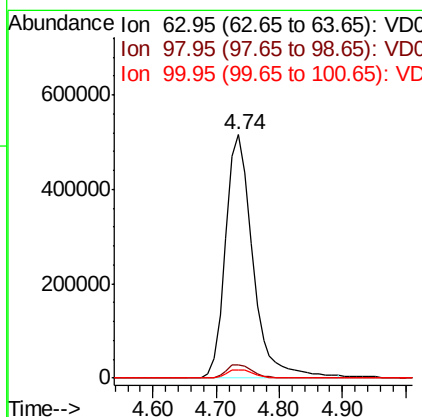
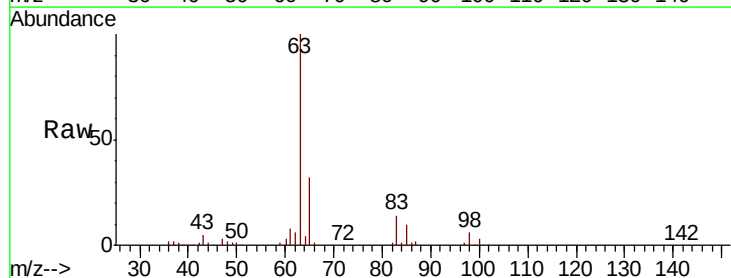
Manual Integrations
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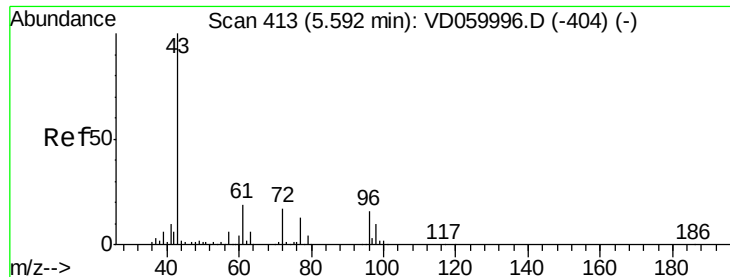
apatel
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#24
 1,1-Dichloroethane
 Concen: 52.810 ug/l
 RT: 4.74 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 63 Resp: 1553073
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.6
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 238.285 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tot Ion: 43 Resp: 1602887

Ion Ratio Lower Upper

43 100

72 17.1 13.6 20.4

Instrument :

MSVOA_D

ClientSampleId :

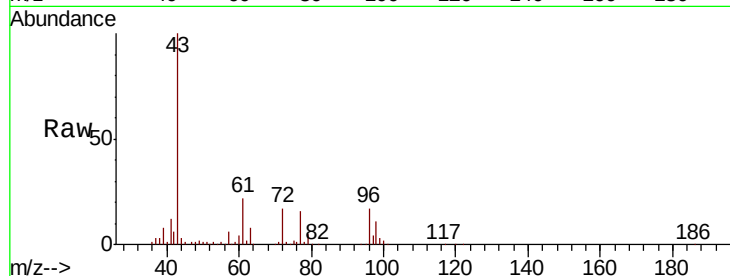
VSTDCCC050

Manual Integrations

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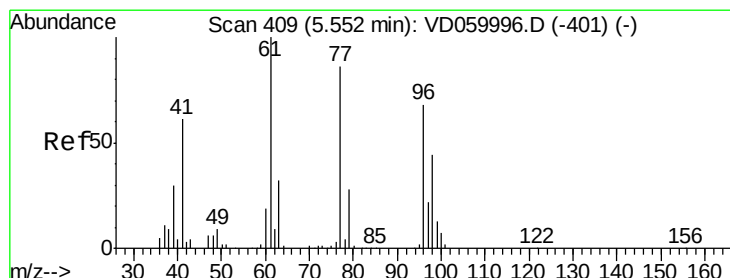
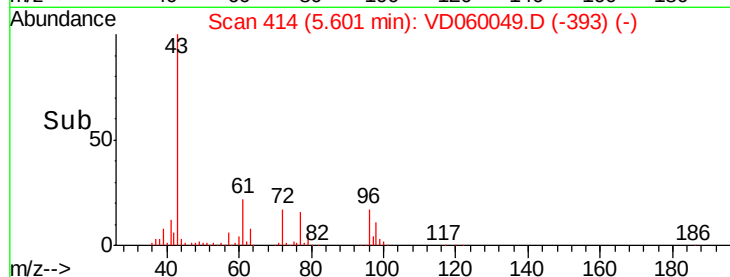
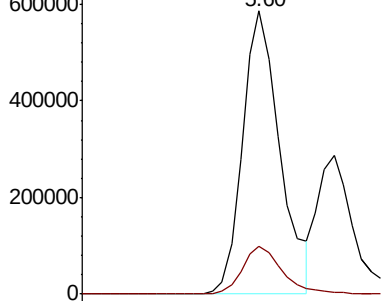
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.462 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060049.D

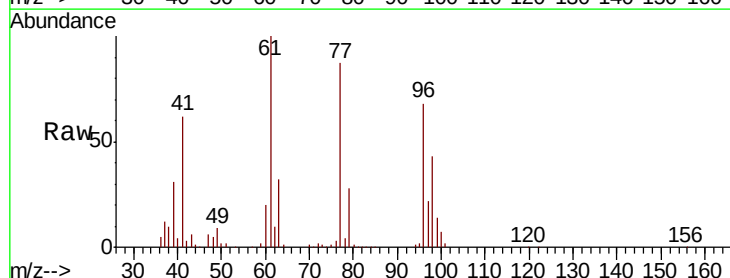
Acq: 20 Sep 2018 11:09

Tgt Ion: 77 Resp: 1199472

Ion Ratio Lower Upper

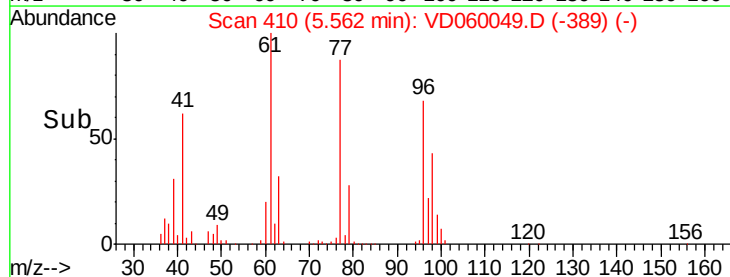
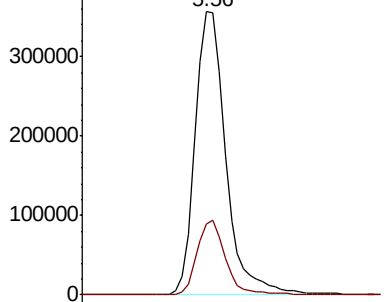
77 100

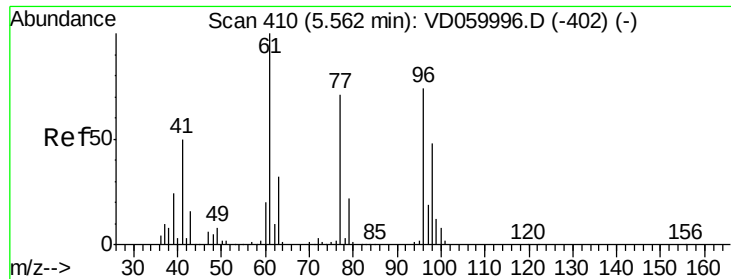
97 24.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

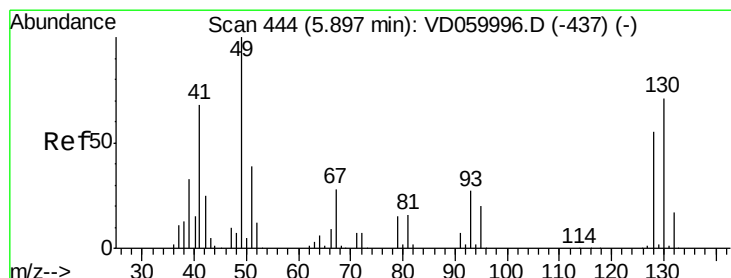
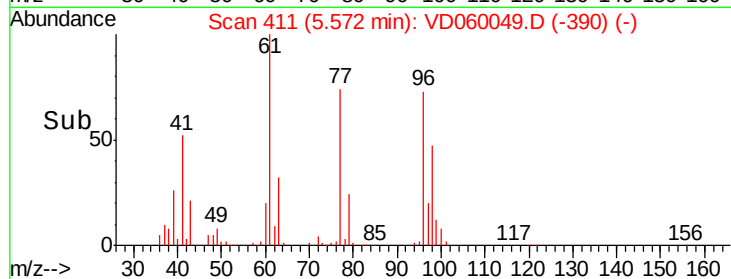
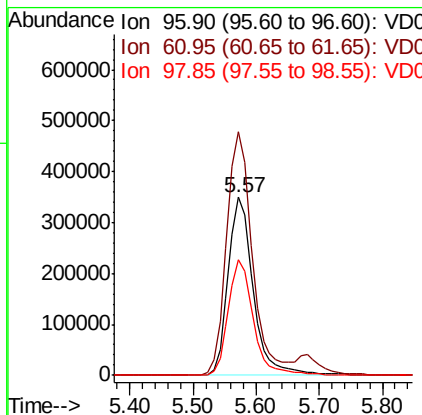
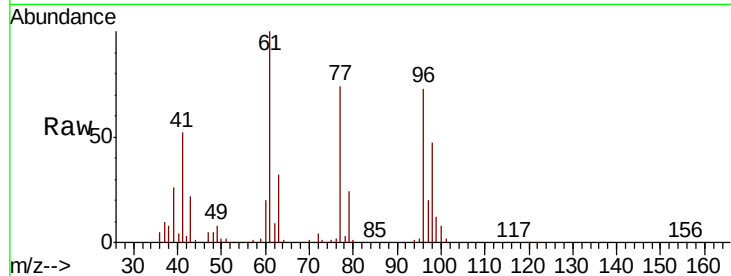
cis-1,2-Dichloroethene
Concen: 51.394 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.6	0.0	269.6	
98	64.9	0.0	128.4	

Manual Integrations
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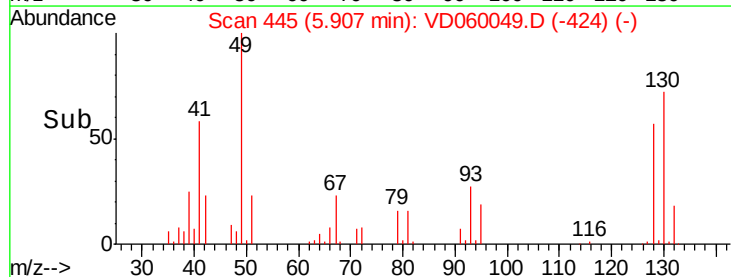
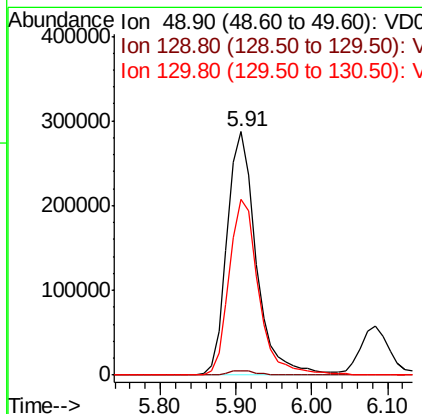
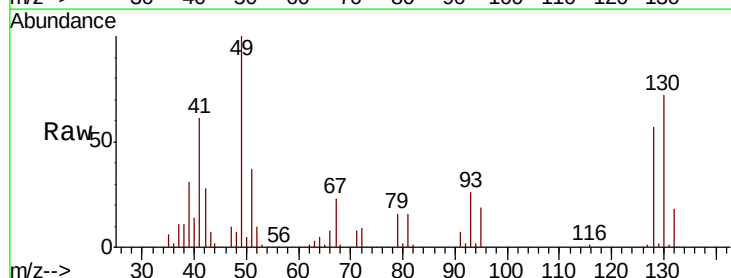
apatel
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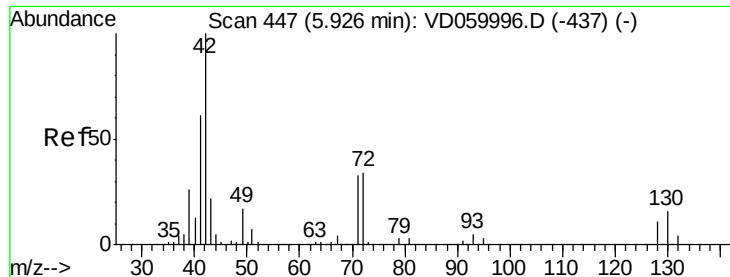


#28

Bromochloromethane
Concen: 54.184 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	72.2	57.1	85.7	





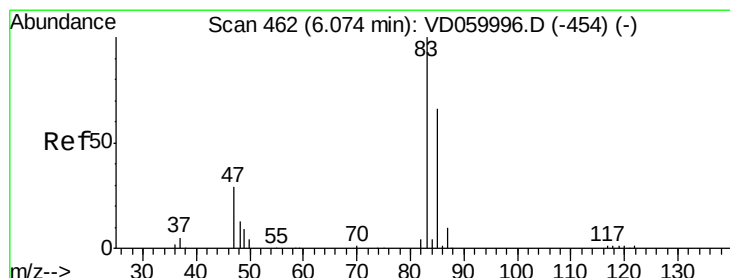
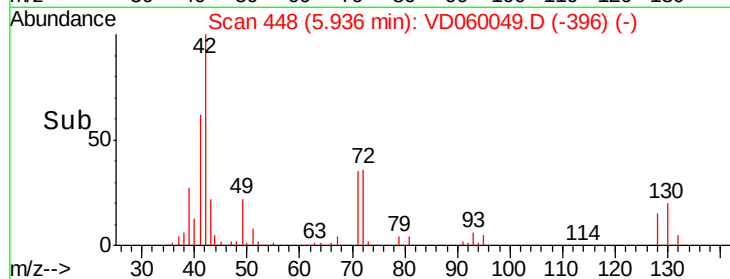
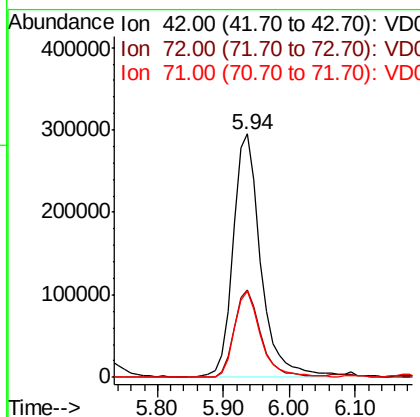
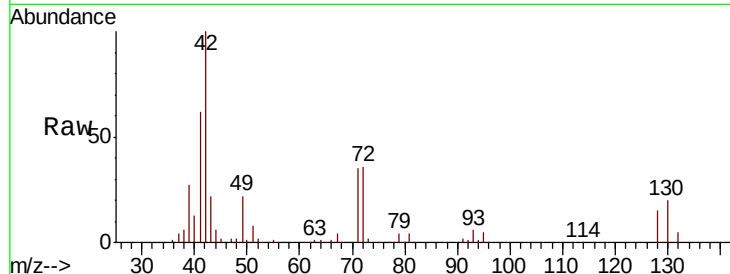
#29
Tetrahydrofuran
Concen: 240.068 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	26.9	40.3
71	34.1	26.2	39.4

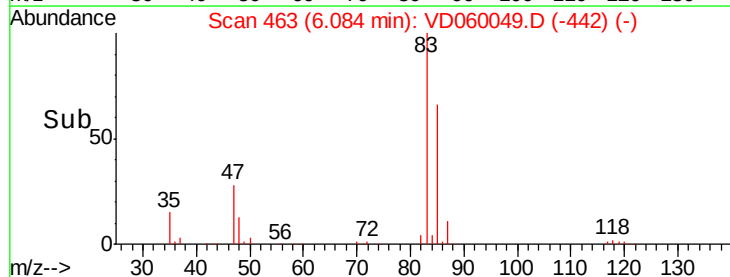
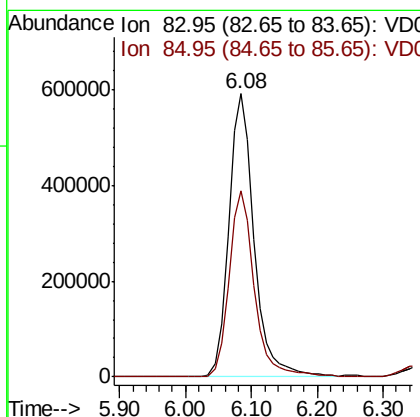
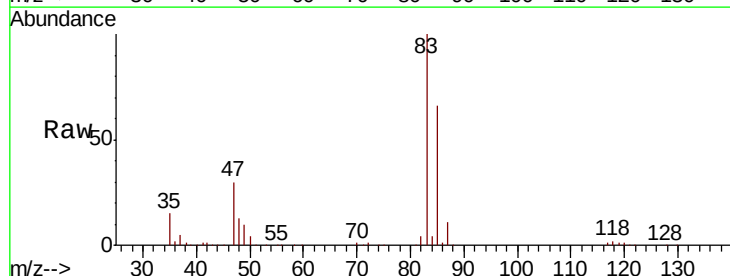
Manual Integrations
APPROVED

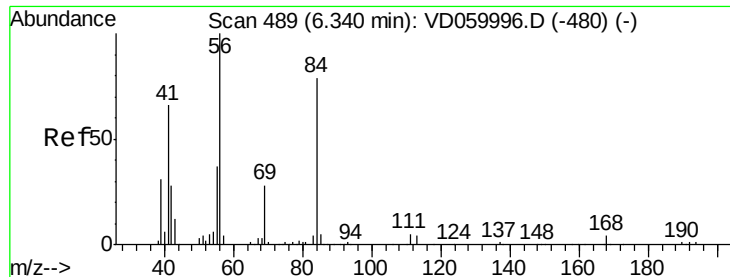
apatel
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#30
Chloroform
Concen: 53.282 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





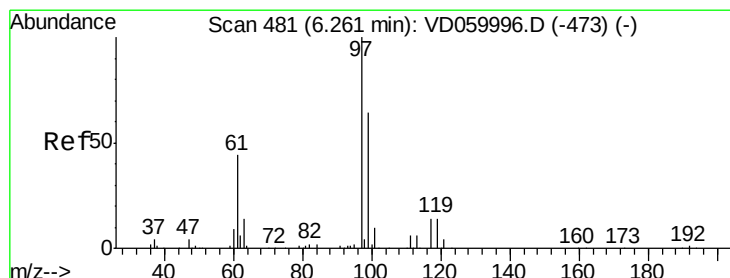
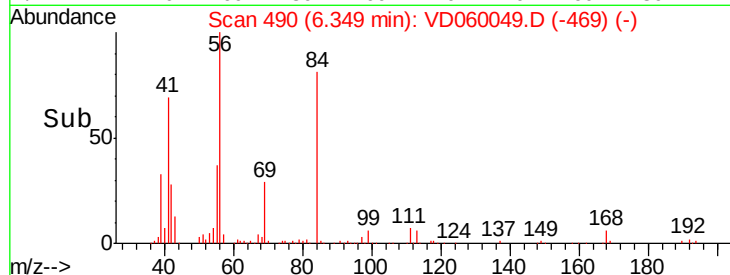
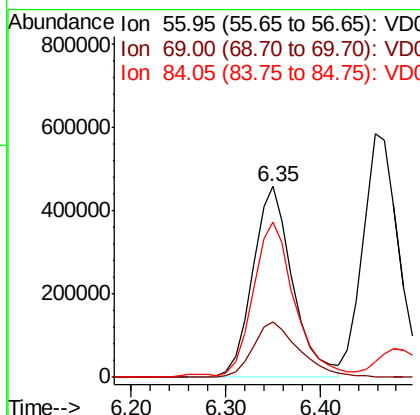
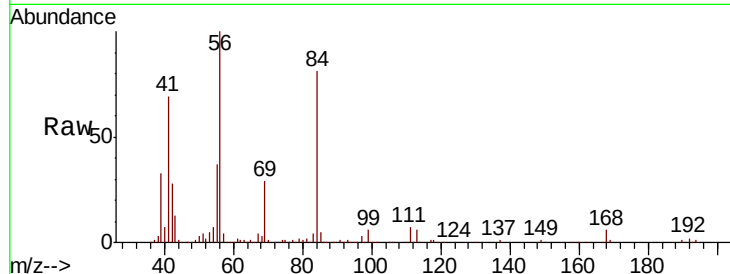
#31
Cyclohexane
Concen: 46.874 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	1344075
Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.7	34.1
84	81.3	64.0	96.0

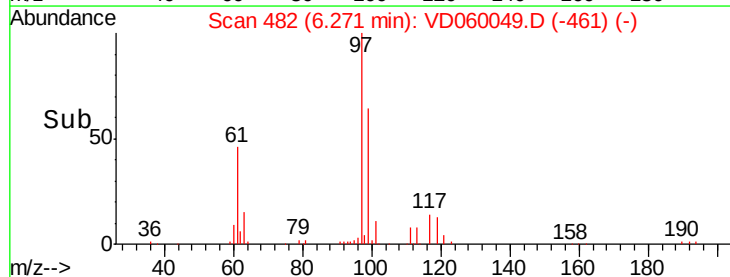
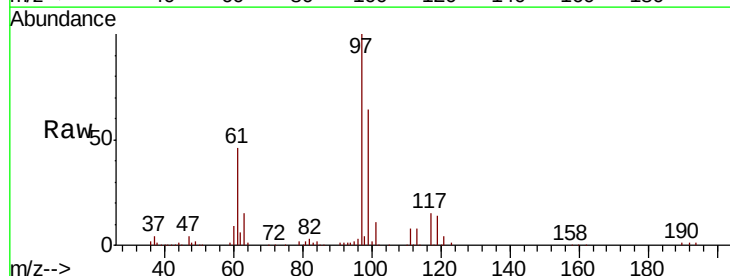
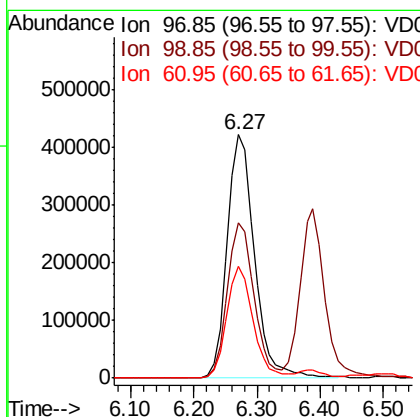
Manual Integrations
APPROVED

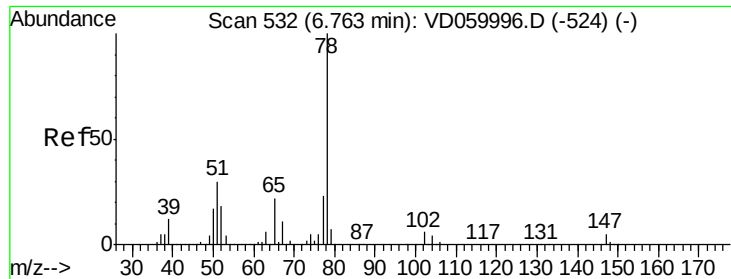
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#32
1,1,1-Trichloroethane
Concen: 51.008 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	97	Resp	1261697
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	45.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 51.008 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tot Ion: 65 Resp: 679162

Ion Ratio Lower Upper

65 100

67 53.8 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

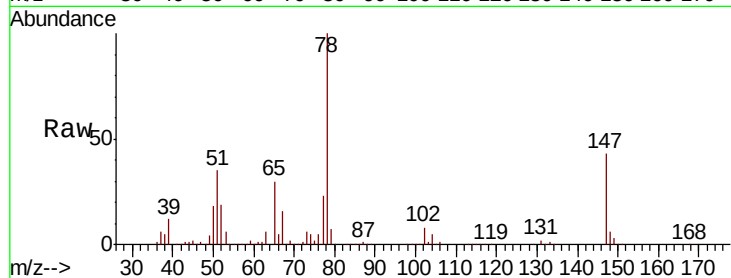
VSTDCCC050

Manual Integrations

APPROVED

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

150000

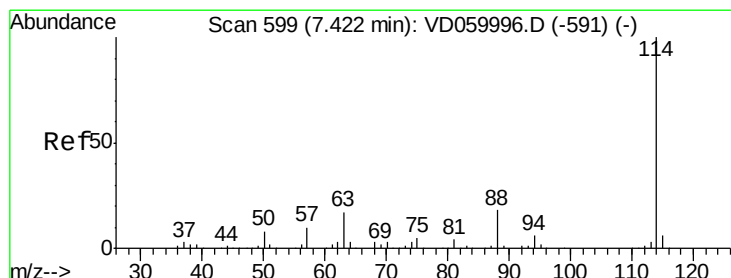
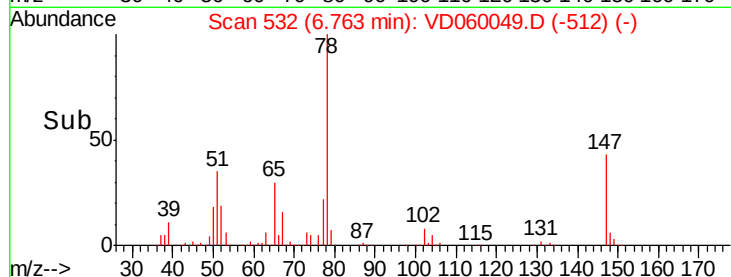
100000

50000

0

6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

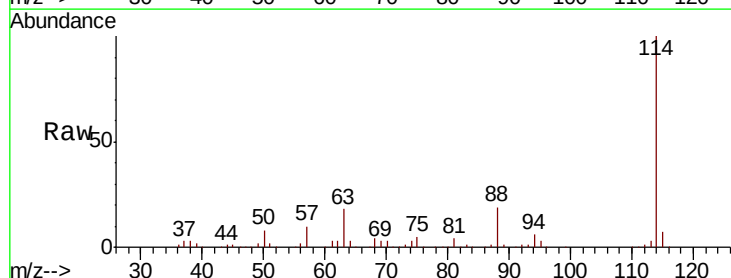
Tgt Ion:114 Resp: 2346035

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

88 18.6 0.0 35.8



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

1200000

1000000

800000

600000

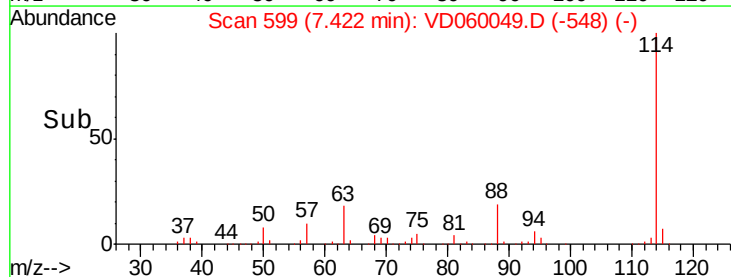
400000

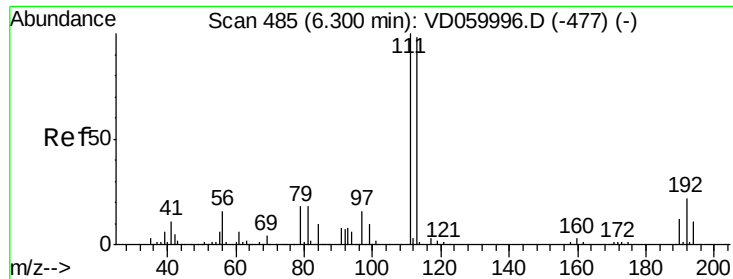
200000

0

7.20 7.40 7.60 7.80

Time-->





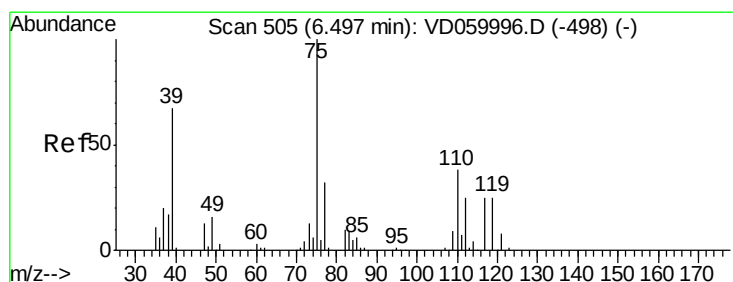
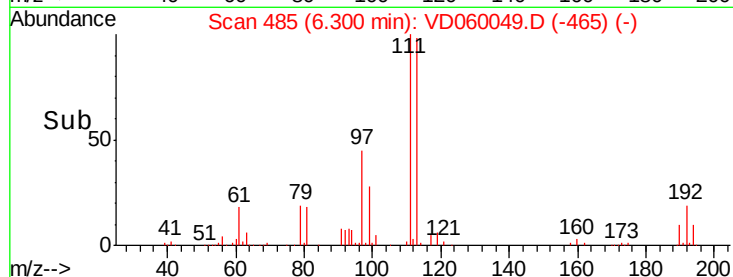
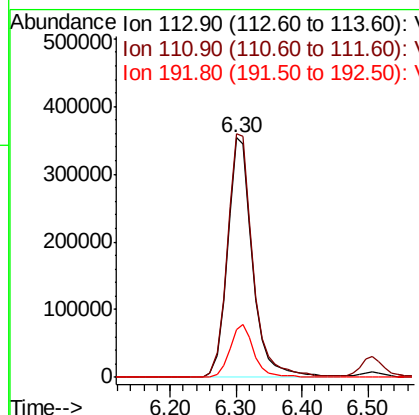
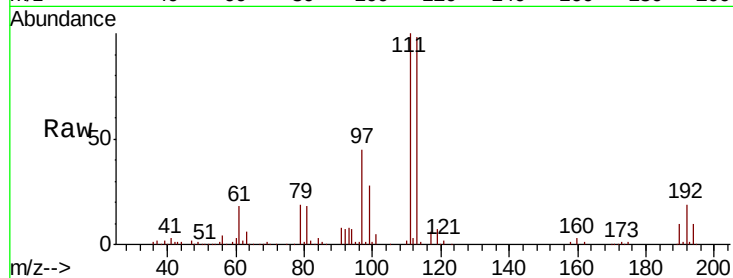
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	937796		
111	101.7	81.3	121.9	
192	19.7	18.1	27.1	

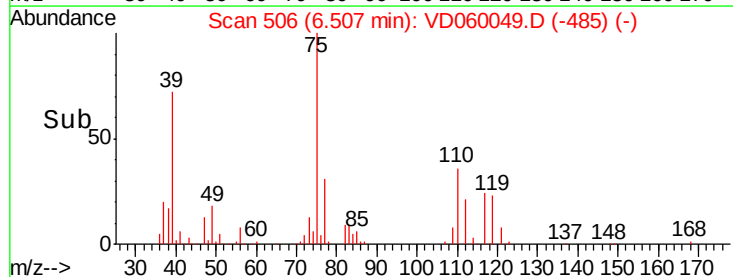
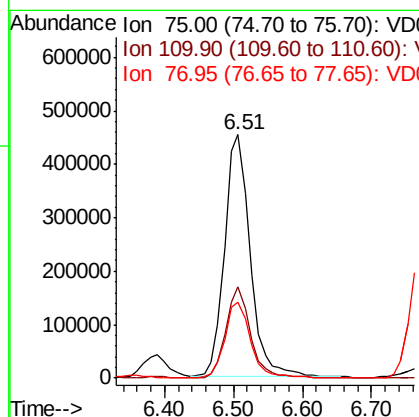
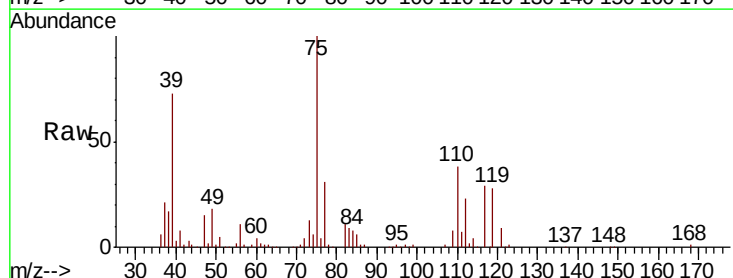
Manual Integrations
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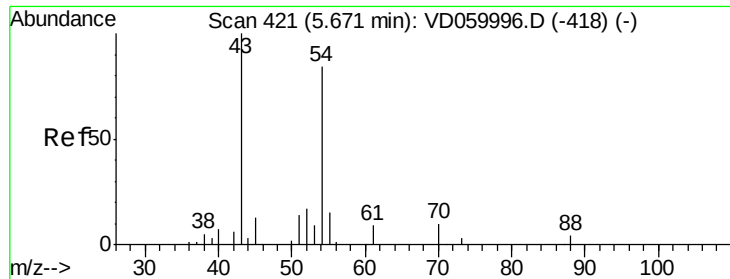
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#36
 1,1-Dichloropropene
 Concen: 50.112 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1167830		
110	37.6	18.9	56.9	
77	31.4	25.3	37.9	





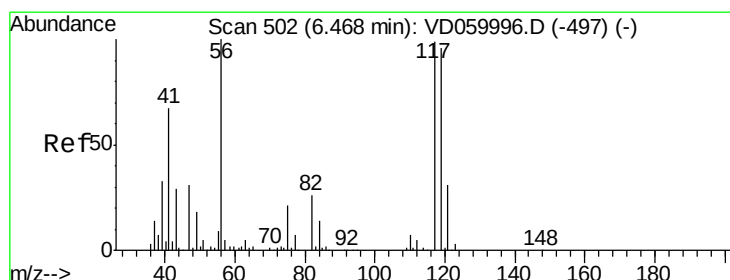
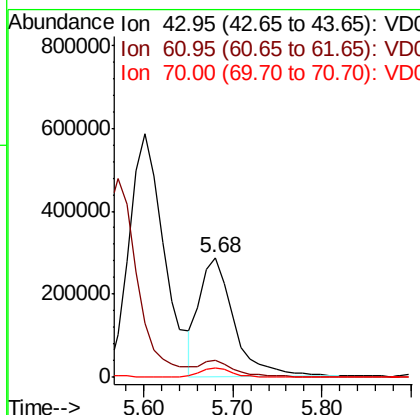
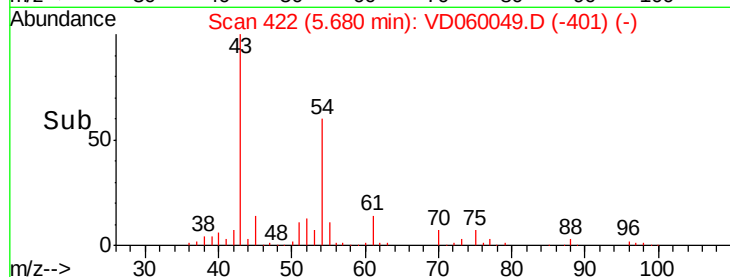
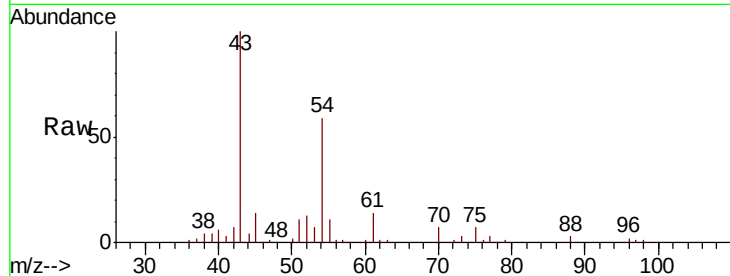
#37
Ethyl Acetate
Concen: 47.366 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	7.4	6.1	9.1

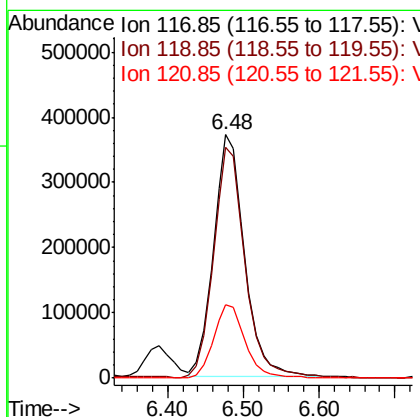
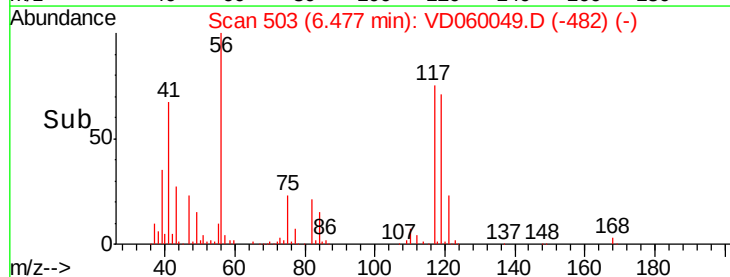
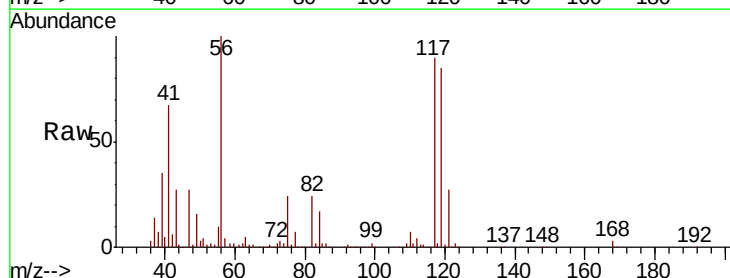
Manual Integrations
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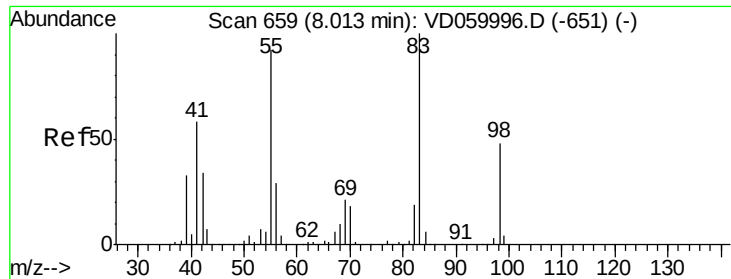
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#38
Carbon Tetrachloride
Concen: 48.607 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.7	115.1
121	30.3	24.9	37.3





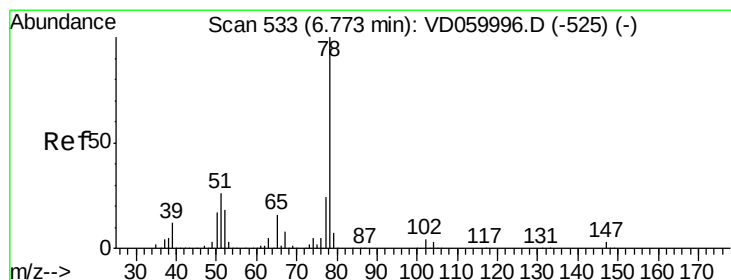
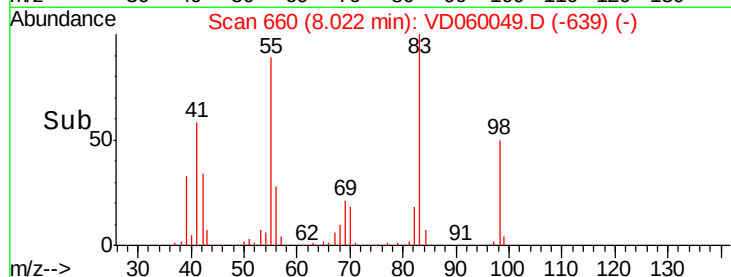
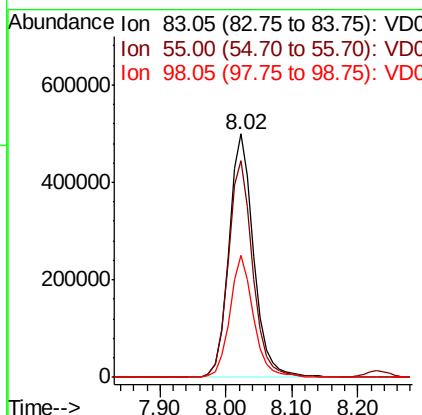
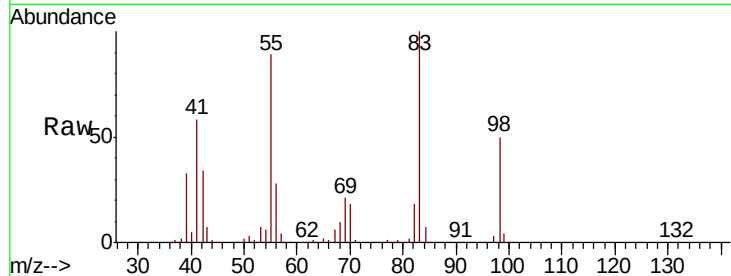
#39
Methylvlcyclohexane
Concen: 49.876 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1314865
Ion Ratio Lower Upper
83 100
55 89.0 73.8 110.6
98 49.9 38.1 57.1

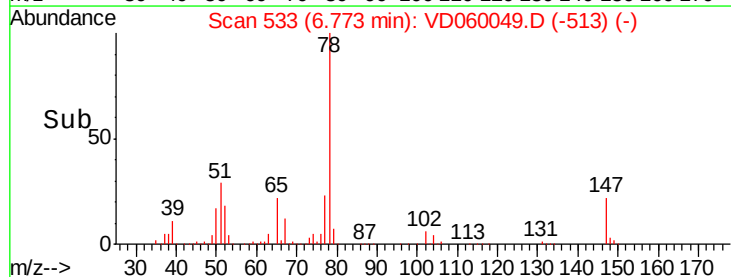
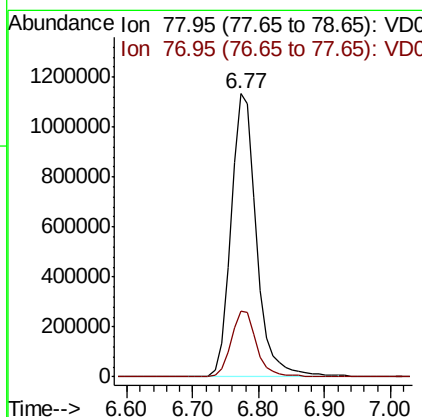
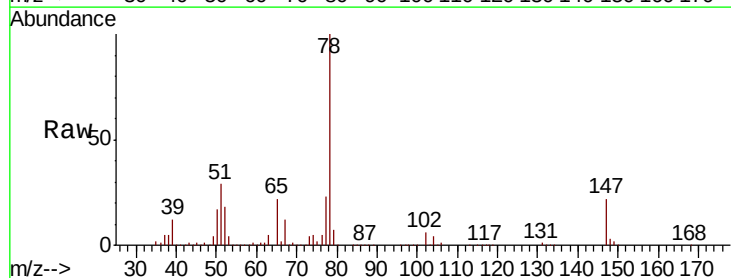
Manual Integrations
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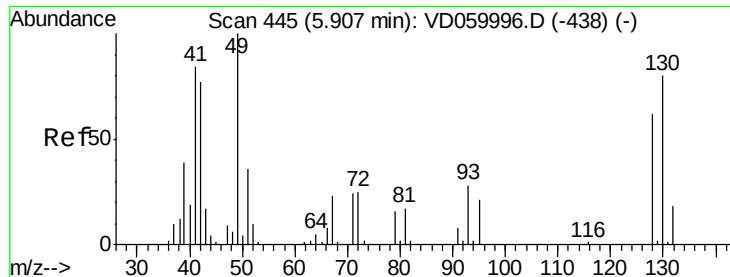
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#40
Benzene
Concen: 51.662 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 78 Resp: 3068542
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 53.146 ug/l m

RT: 5.92 min Scan# 446

Delta R.T. 0.01 min

Lab File: VD060049.D

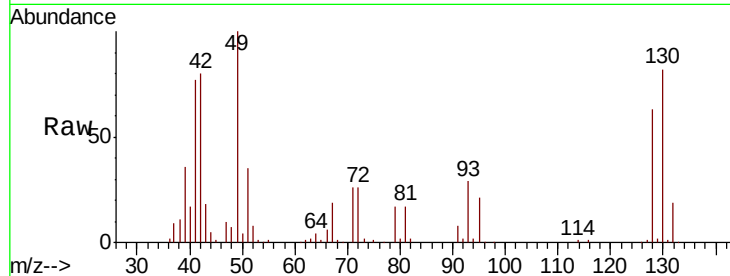
Acq: 20 Sep 2018 11:09

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.8	37.5	56.3
67	24.2	21.5	32.3
52	10.4	9.2	13.8

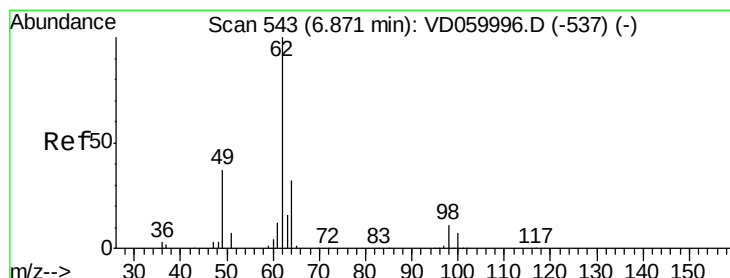
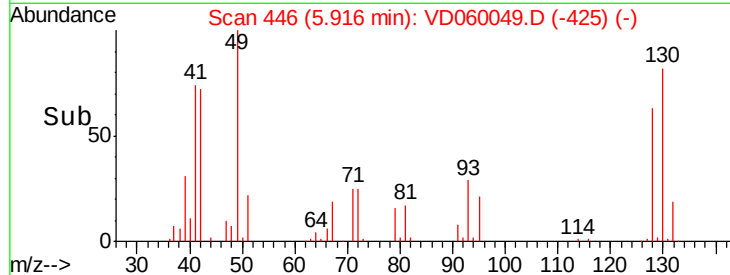
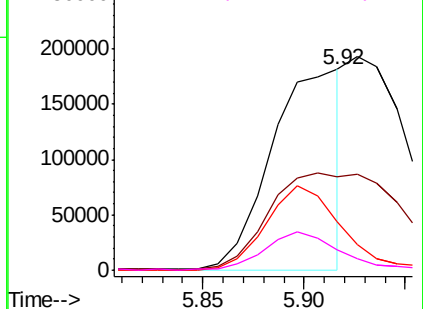
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.291 ug/l

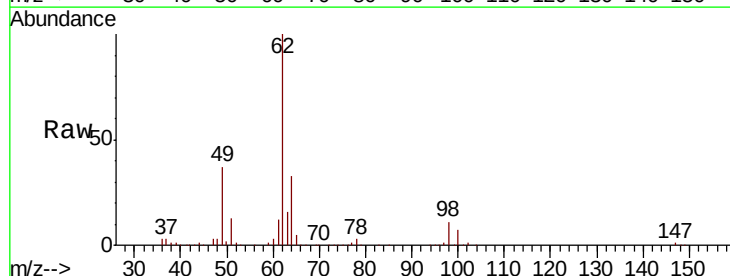
RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

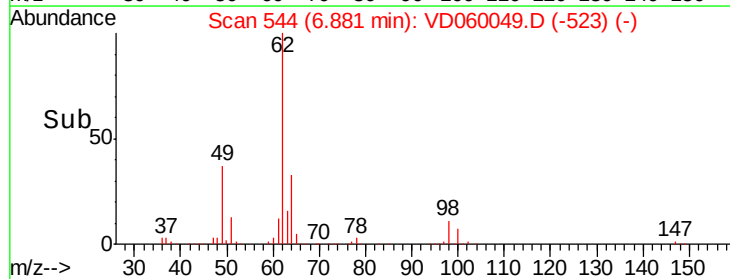
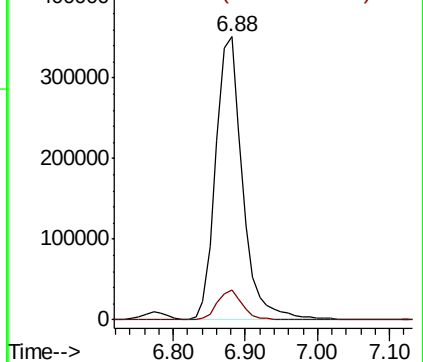
Lab File: VD060049.D

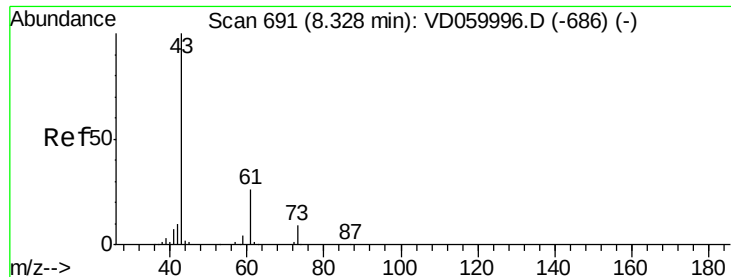
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 48.316 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1036730

Ion Ratio Lower Upper

43 100

61 28.7 21.0 31.6

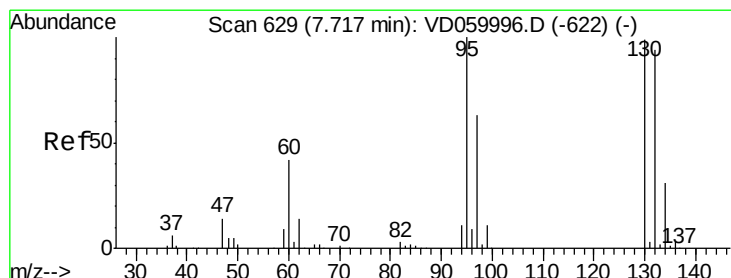
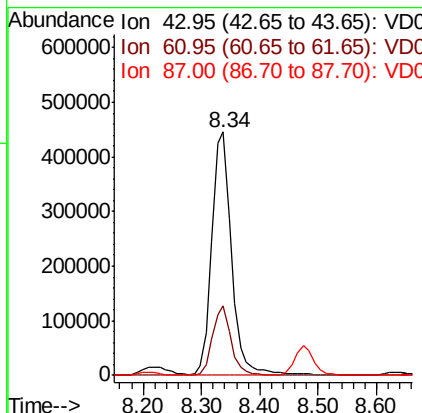
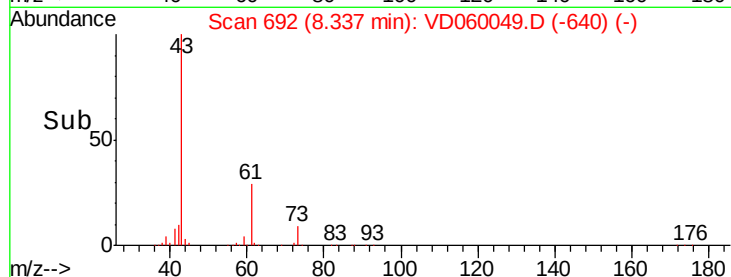
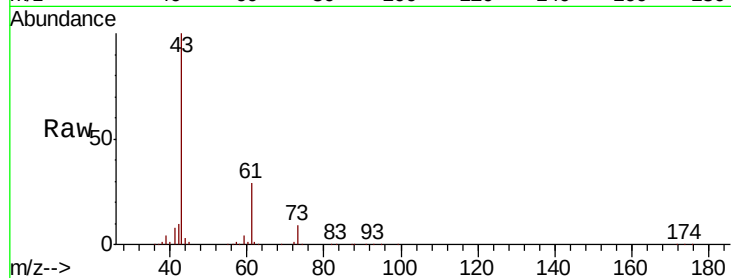
87 0.3 0.2 0.2#

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#44

Trichloroethene

Concen: 50.984 ug/l

RT: 7.73 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060049.D

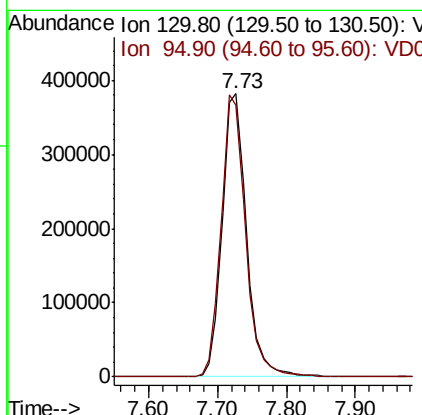
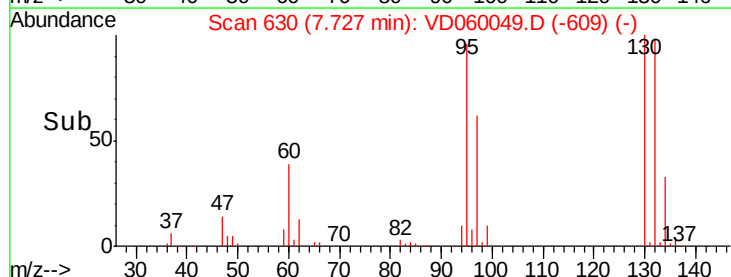
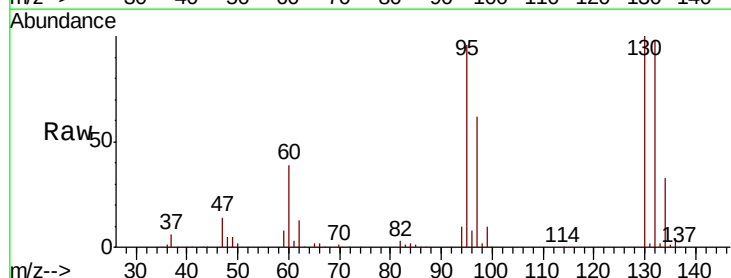
Acq: 20 Sep 2018 11:09

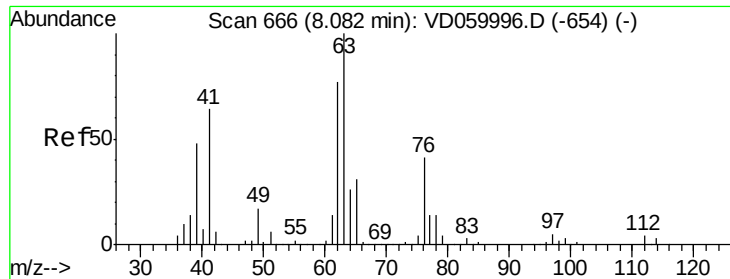
Tgt Ion: 130 Resp: 935638

Ion Ratio Lower Upper

130 100

95 95.9 0.0 202.0





#45

1,2-Dichloropropane

Concen: 51.716 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 821386

Ion Ratio Lower Upper

63 100

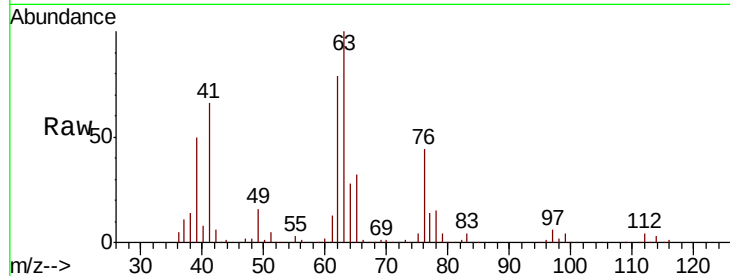
65 32.0 24.6 37.0

Manual Integrations

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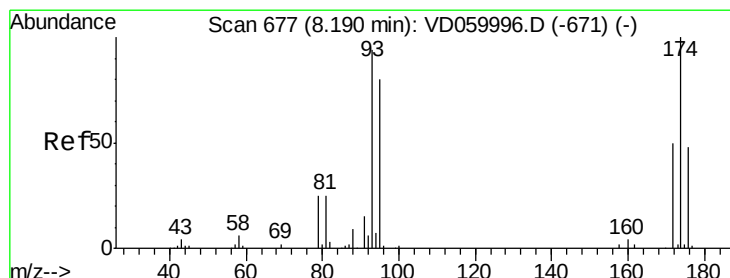
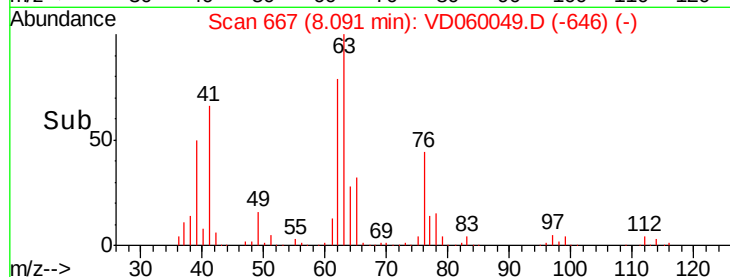
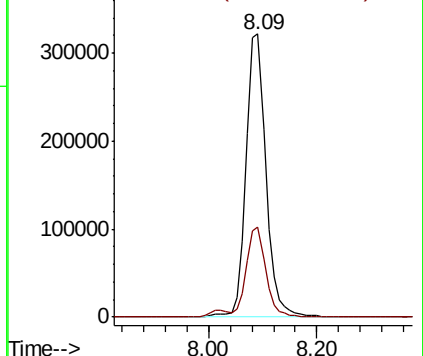
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.967 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

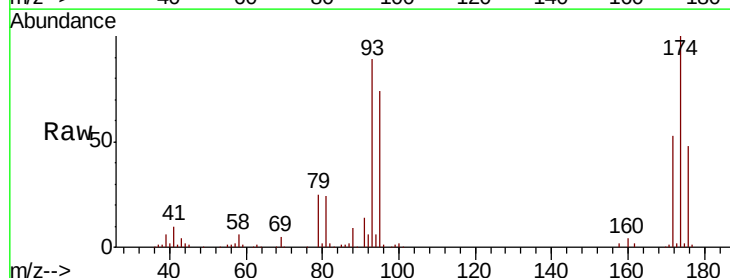
Tgt Ion: 93 Resp: 528169

Ion Ratio Lower Upper

93 100

95 83.6 68.0 102.0

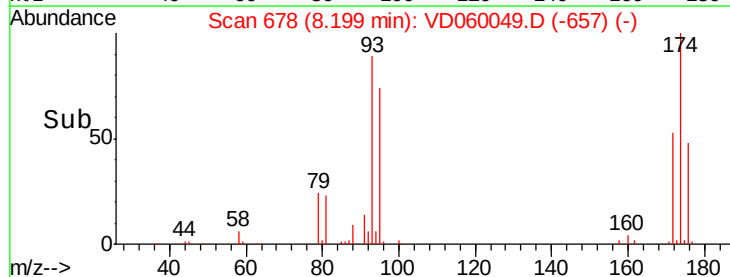
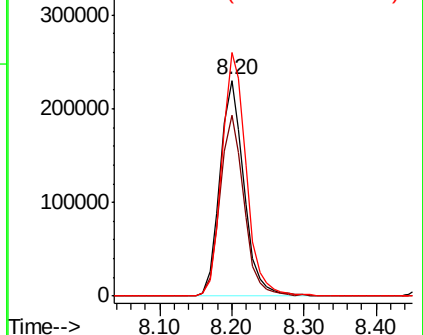
174 112.7 85.4 128.2

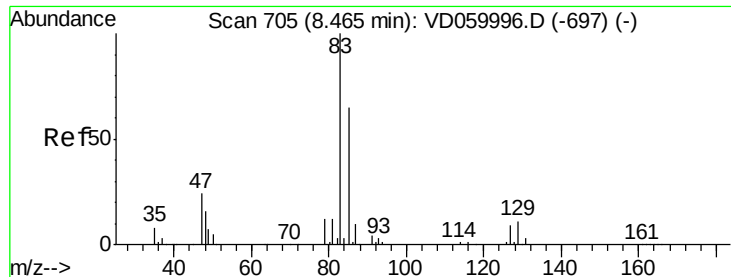


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.846 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1158371

Ion Ratio Lower Upper

83 100

85 65.5 51.9 77.9

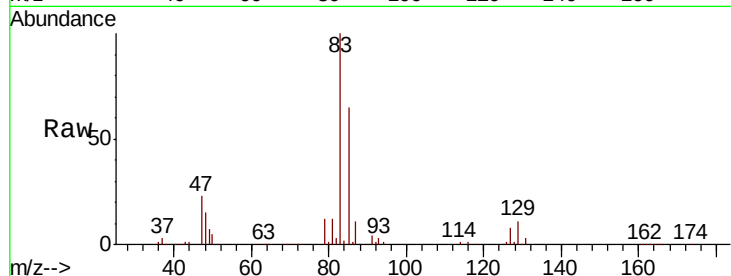
127 8.4 6.8 10.2

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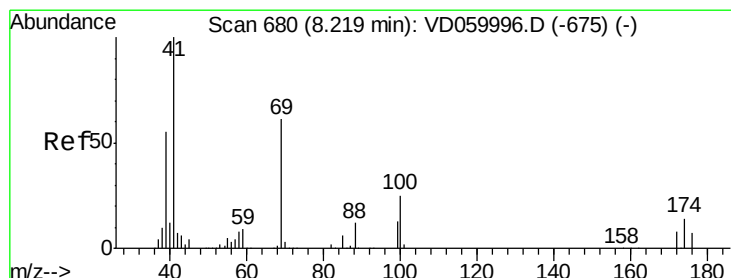
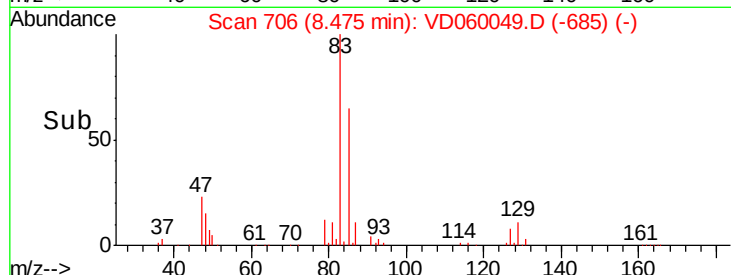
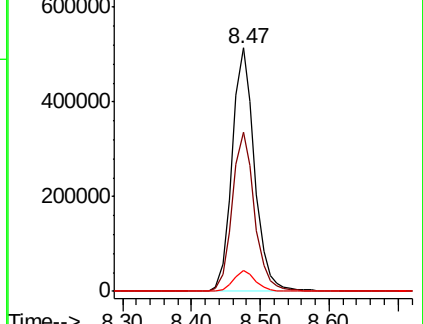
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.874 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

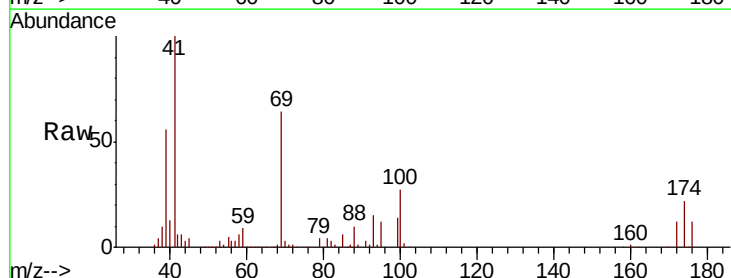
Tgt Ion: 41 Resp: 584062

Ion Ratio Lower Upper

41 100

69 64.3 48.3 72.5

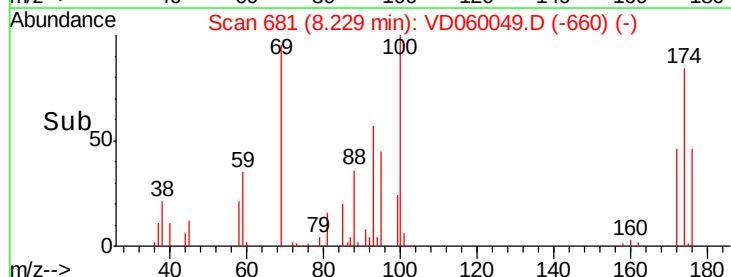
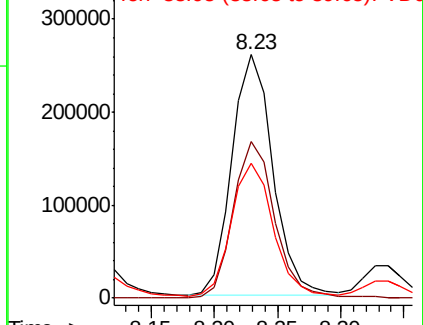
39 55.5 44.1 66.1

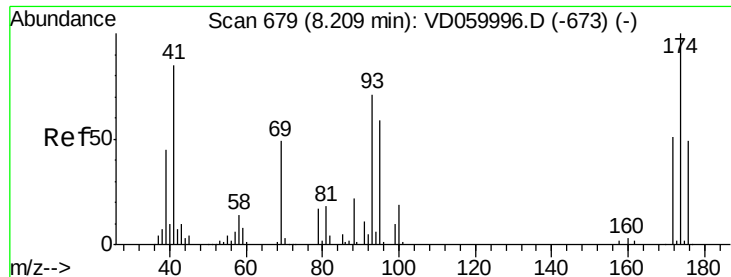


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





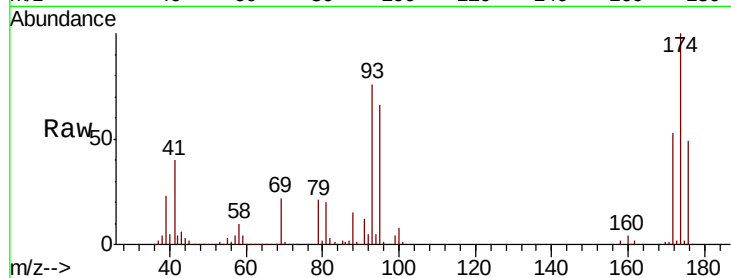
#49
1,4-Dioxane
Concen: 958.177 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

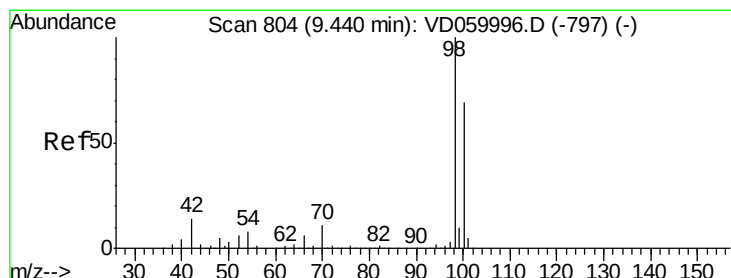
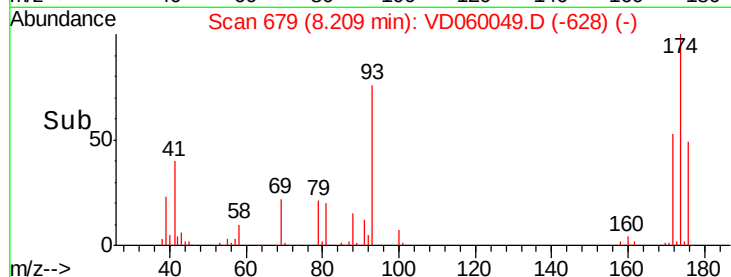
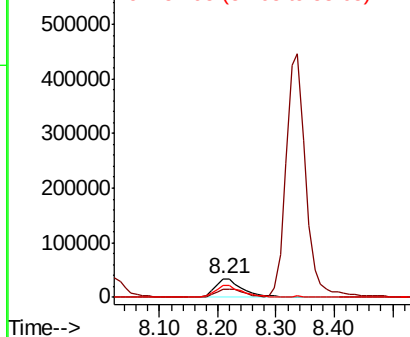
Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	36.2	54.2
58	67.9	51.0	76.6

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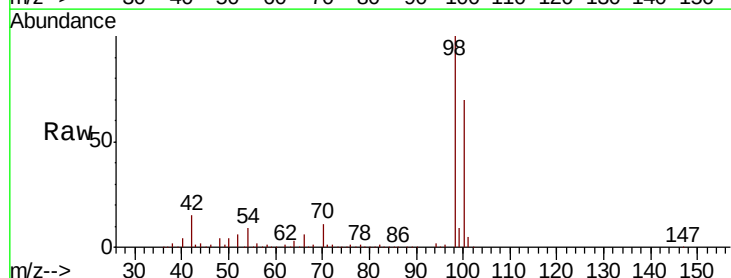


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

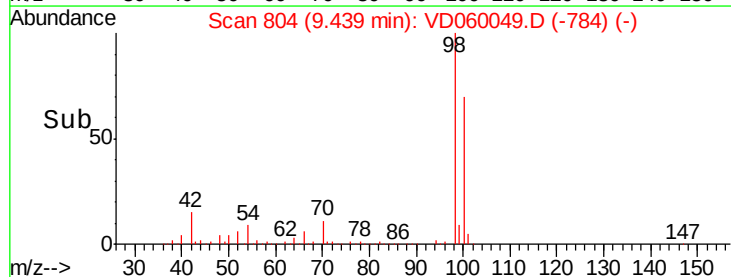
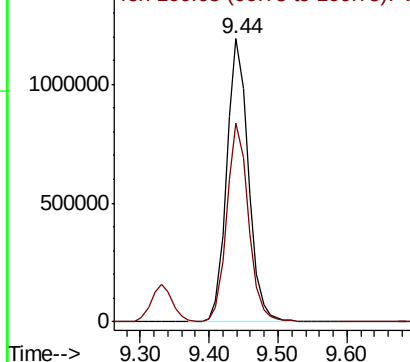


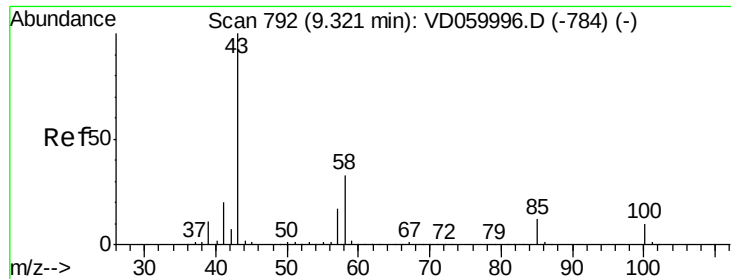
#50
Toluene-d8
Concen: 958.177 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 225.311 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tot Ion: 43 Resp: 3226991

Ion Ratio Lower Upper

43 100

58 33.6 26.4 39.6

Instrument :

MSVOA_D

ClientSampleId :

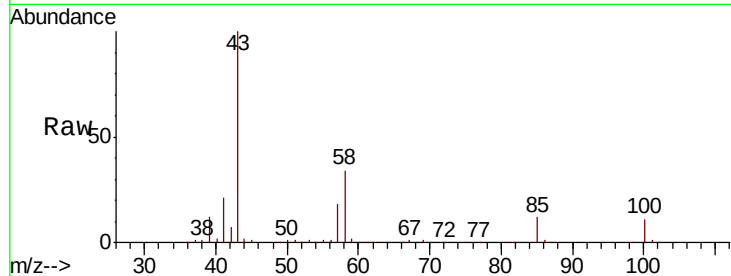
VSTDCCC050

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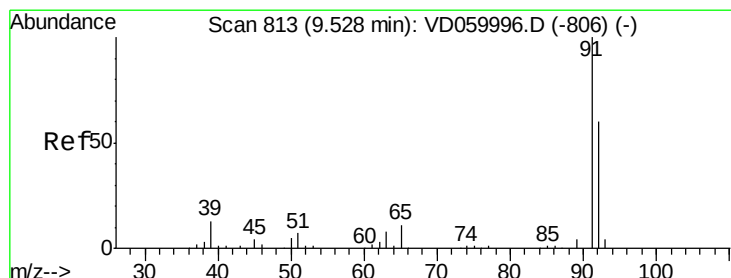
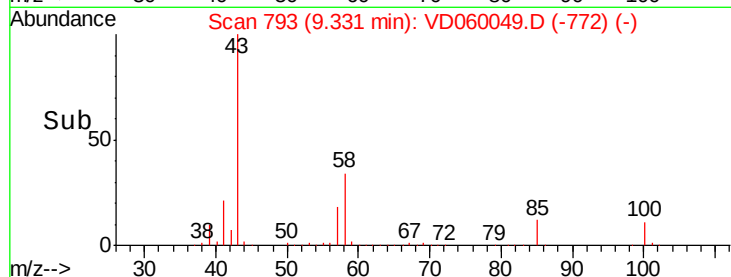
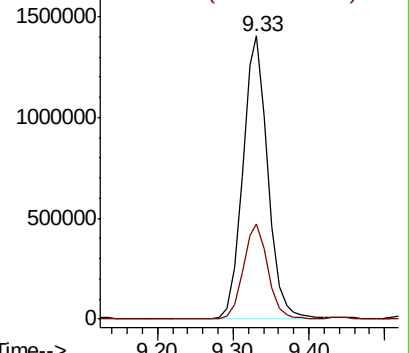
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.085 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060049.D

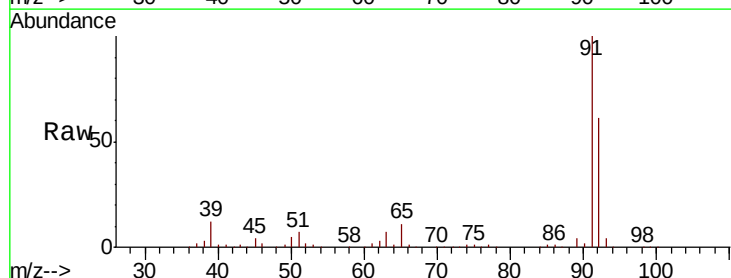
Acq: 20 Sep 2018 11:09

Tgt Ion: 92 Resp: 1906868

Ion Ratio Lower Upper

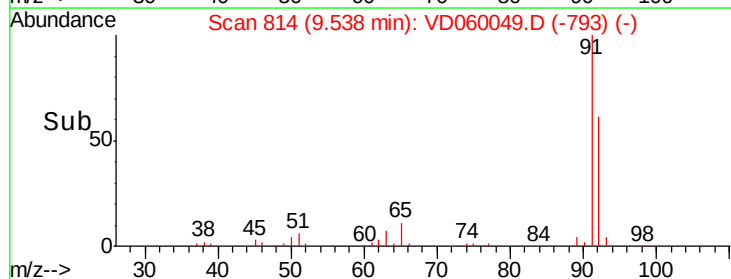
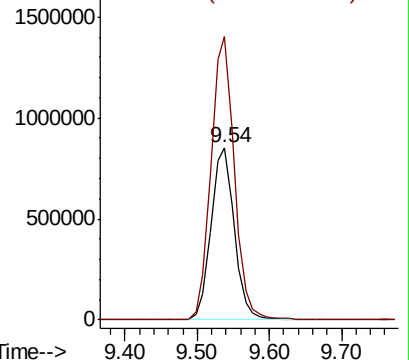
92 100

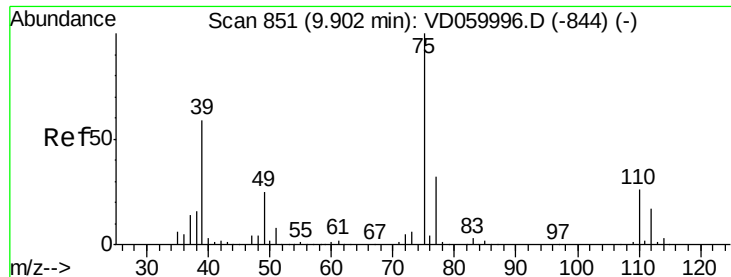
91 164.5 132.3 198.5



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: 50.878 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tot Ion: 75 Resp: 1060201

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

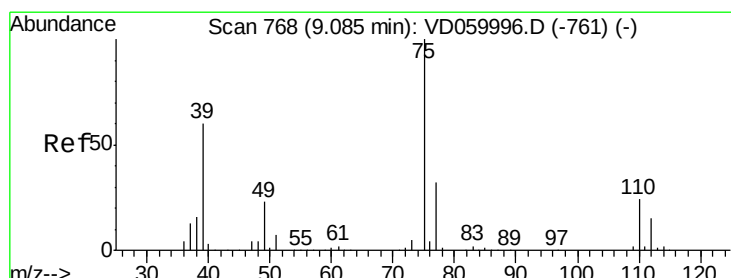
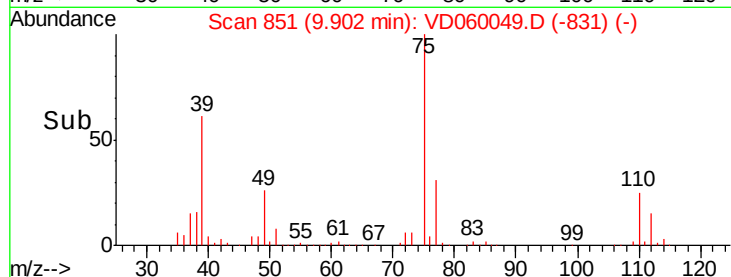
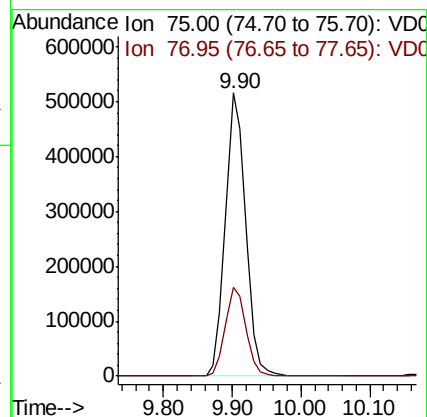
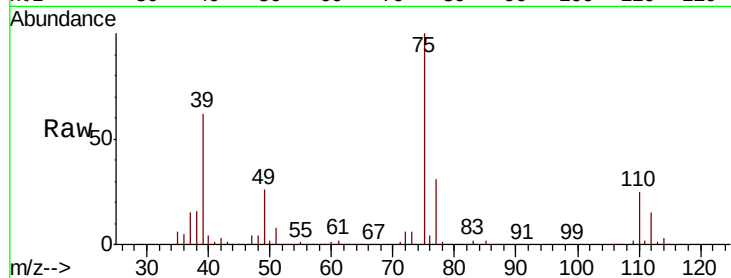
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 52.422 ug/l

RT: 9.09 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

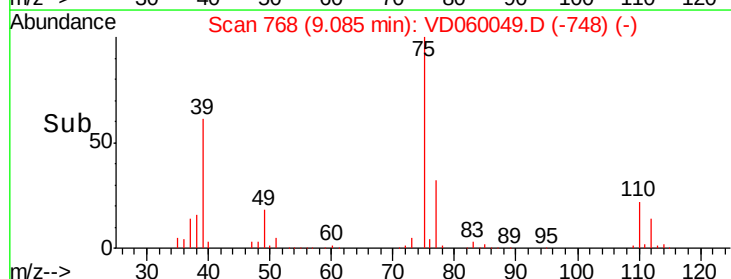
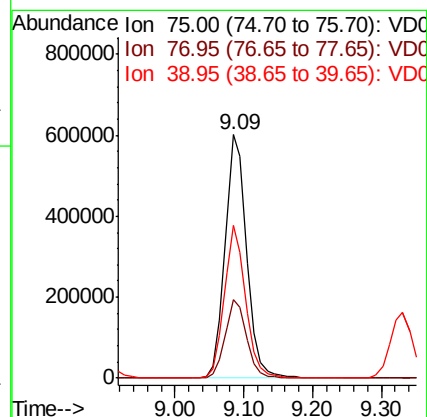
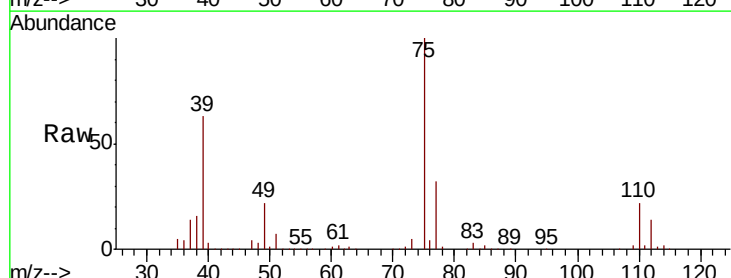
Tgt Ion: 75 Resp: 1305163

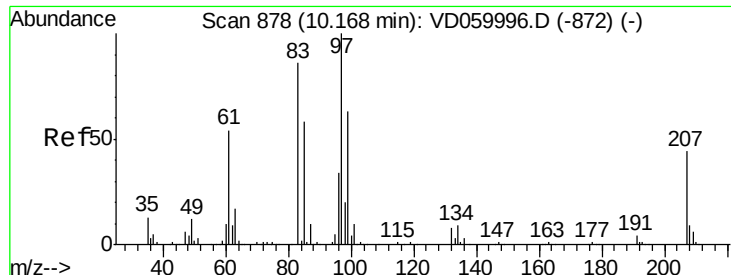
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 62.6 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 49.523 ug/l

RT: 10.17 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 654633

Ion Ratio Lower Upper

97 100

83 85.4 69.1 103.7

85 54.5 46.2 69.4

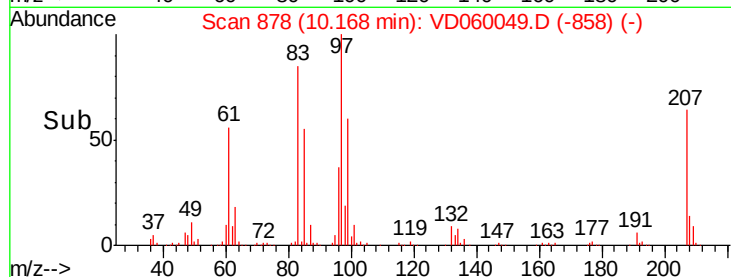
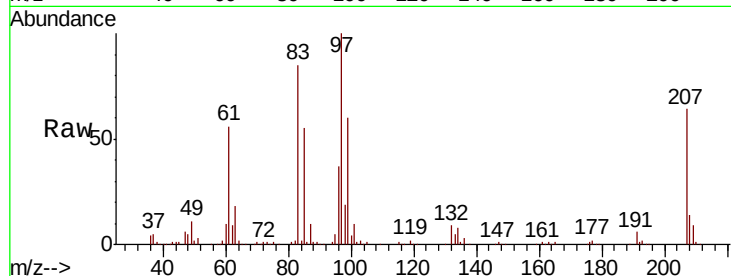
99 59.6 50.6 75.8

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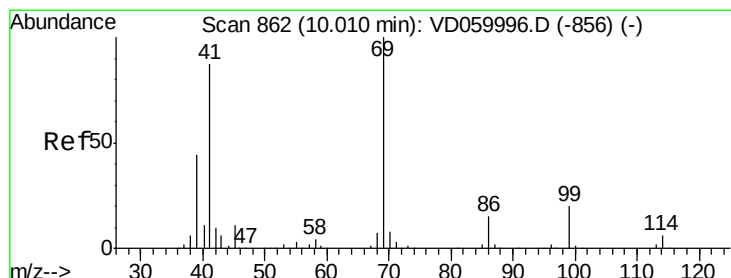
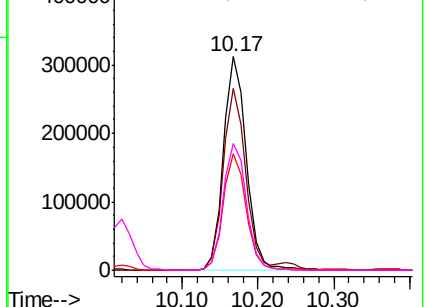


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.813 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

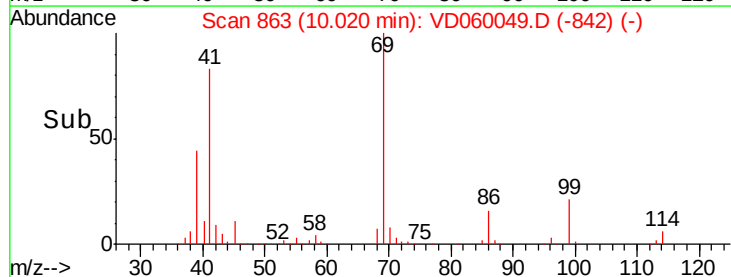
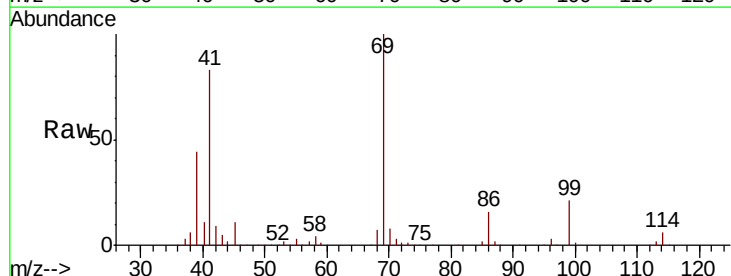
Tgt Ion: 69 Resp: 745025

Ion Ratio Lower Upper

69 100

41 82.7 70.1 105.1

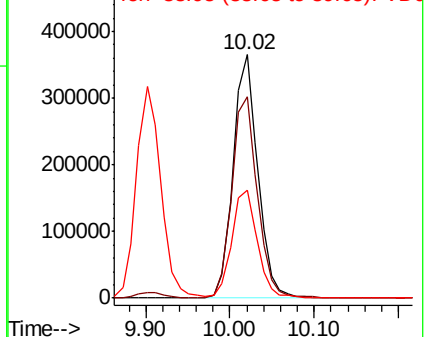
39 44.4 36.5 54.7

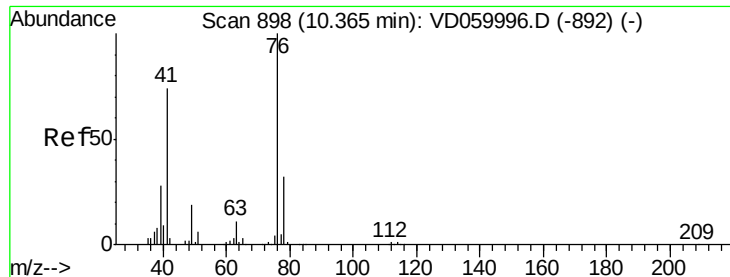


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





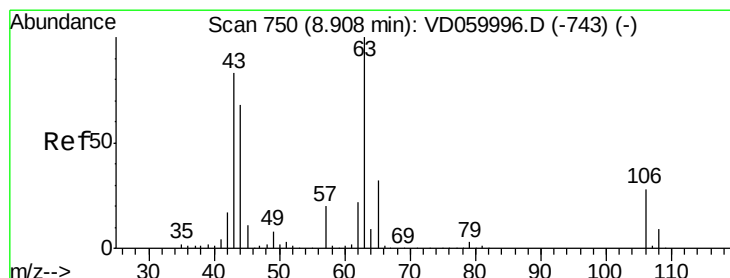
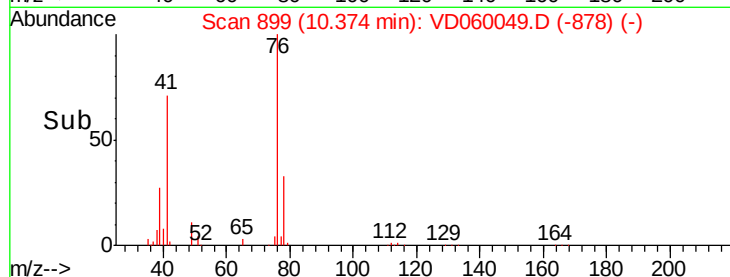
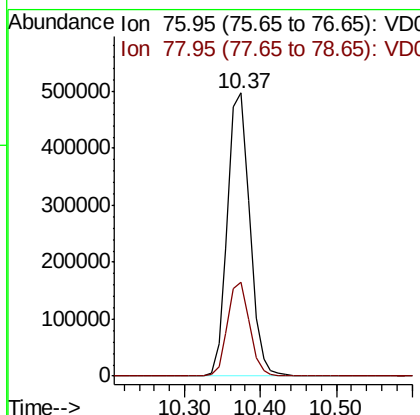
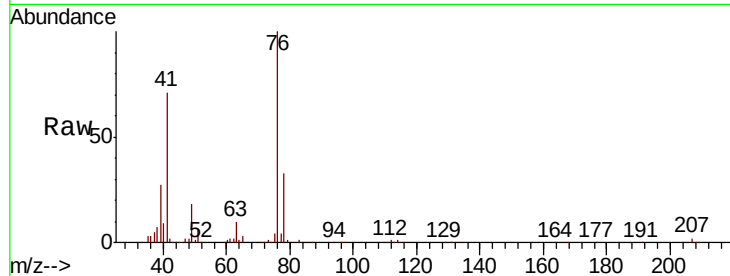
#57
 1,3-Dichloropropane
 Concen: 52.095 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1016488
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.3 37.9

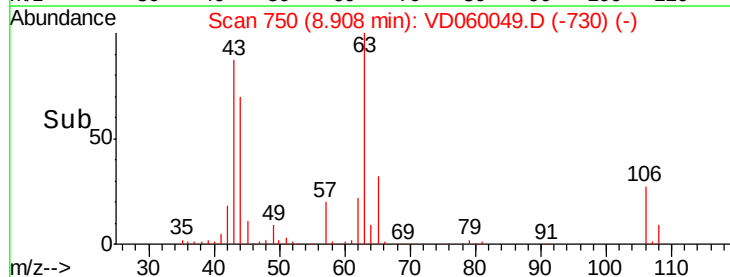
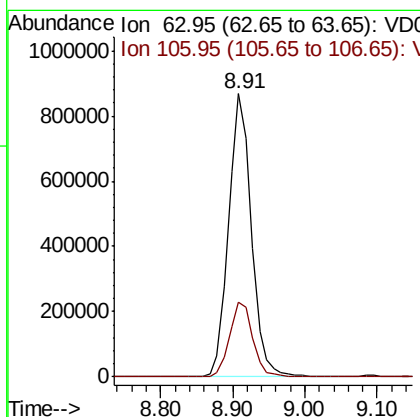
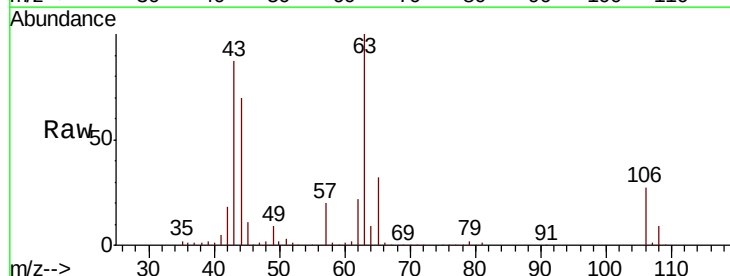
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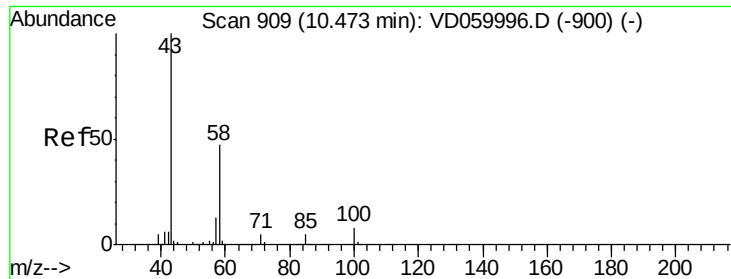
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#58
 2-Chloroethyl Vinyl ether
 Concen: 269.421 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 63 Resp: 1907543
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.0 33.0





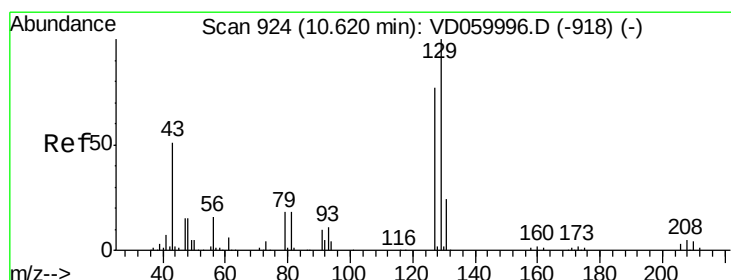
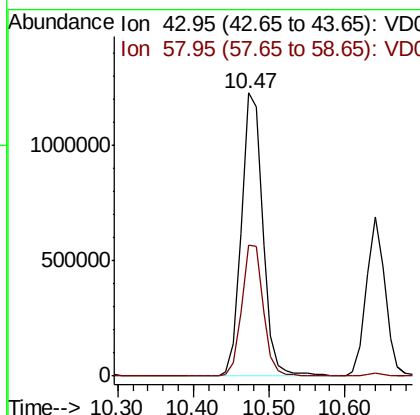
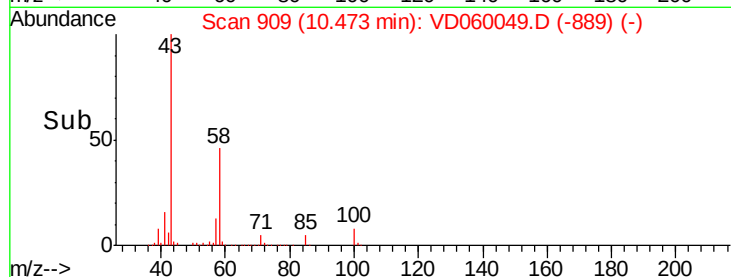
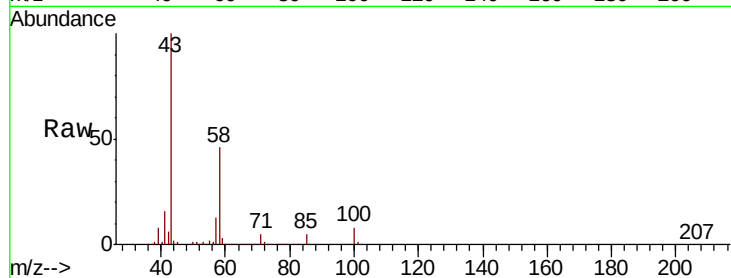
#59
2-Hexanone
Concen: 233.696 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 2381098
Ion Ratio Lower Upper
43 100
58 46.4 23.4 70.0

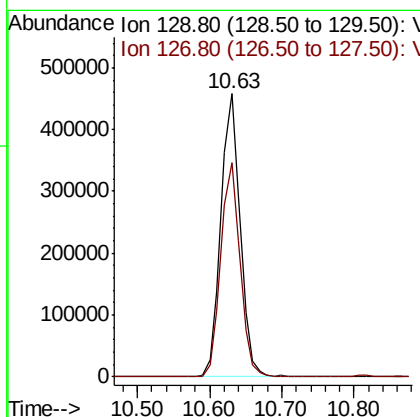
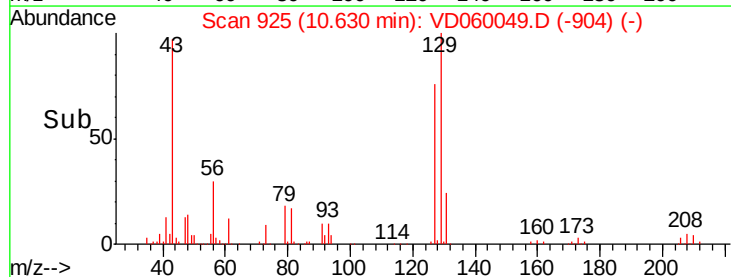
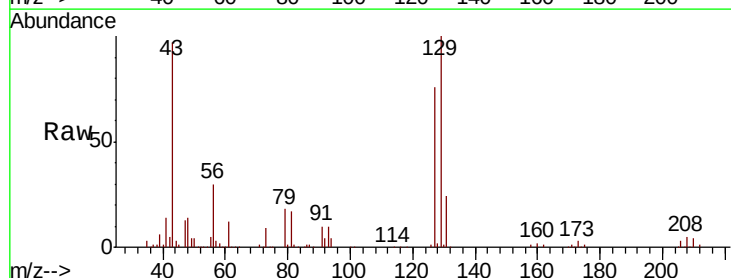
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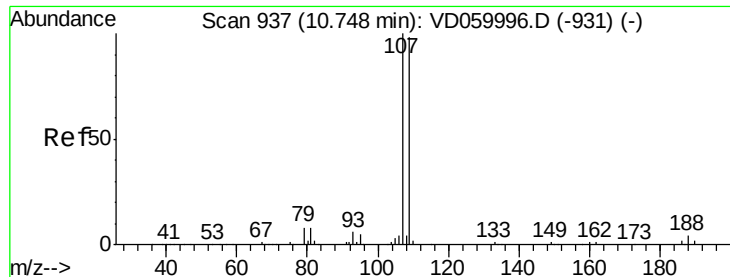
apatel
9/21/2018 12:01:37 PM



#60
Dibromochloromethane
Concen: 52.568 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 129 Resp: 845788
Ion Ratio Lower Upper
129 100
127 75.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.610 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 690734

Ion Ratio Lower Upper

107 100

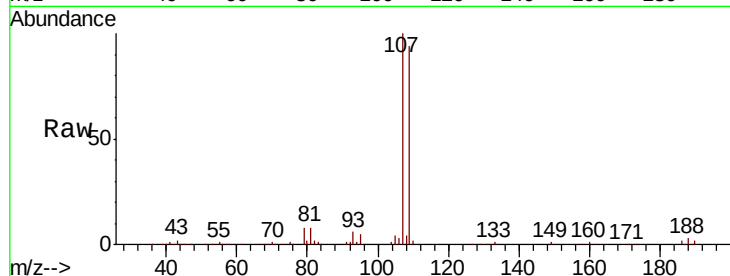
109 94.5 78.2 117.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

400000

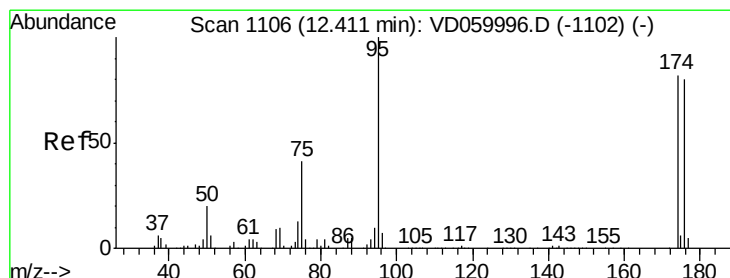
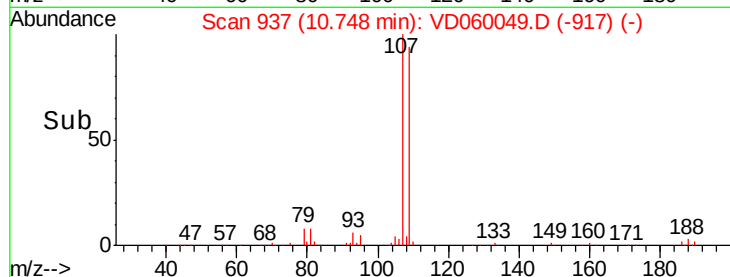
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 50.610 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

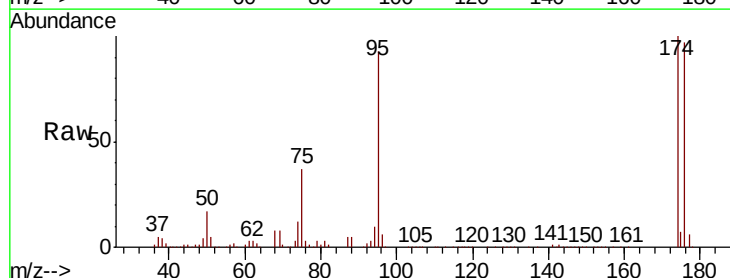
Tgt Ion: 95 Resp: 973757

Ion Ratio Lower Upper

95 100

174 107.5 0.0 165.0

176 104.1 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

1000000

800000

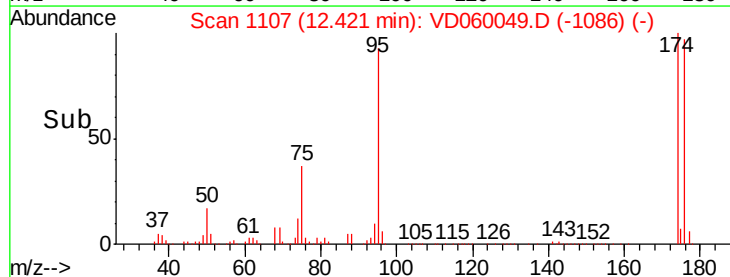
600000

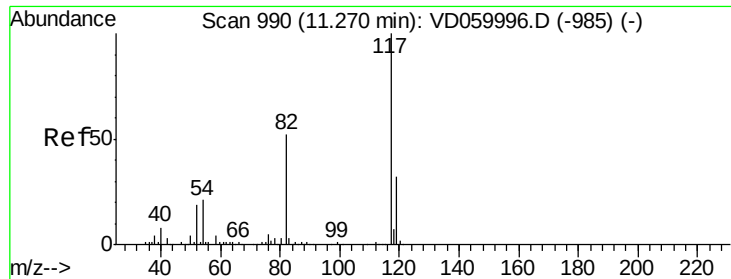
400000

200000

0

Time--> 12.40 12.42 12.44 12.46





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1893405

Ion Ratio Lower Upper

117 100

82 54.5 41.7 62.5

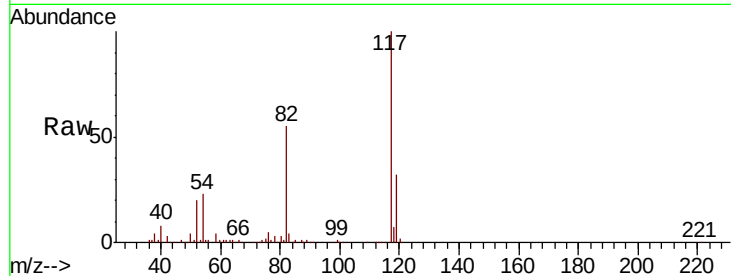
119 32.5 26.0 39.0

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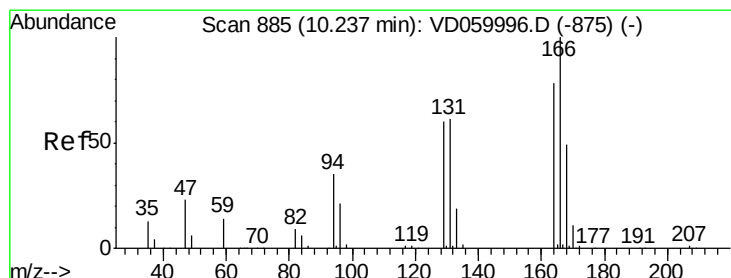
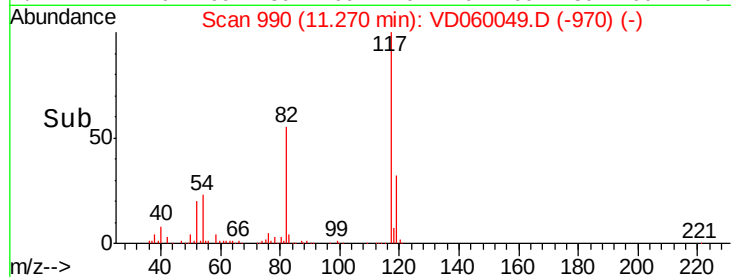
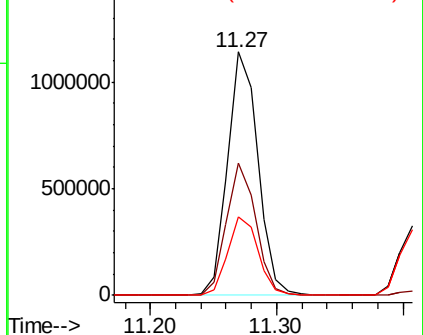
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Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 52.259 ug/l

RT: 10.24 min Scan# 885

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion:164 Resp: 873016

Ion Ratio Lower Upper

164 100

166 128.0 103.0 154.6

129 78.8 61.9 92.9

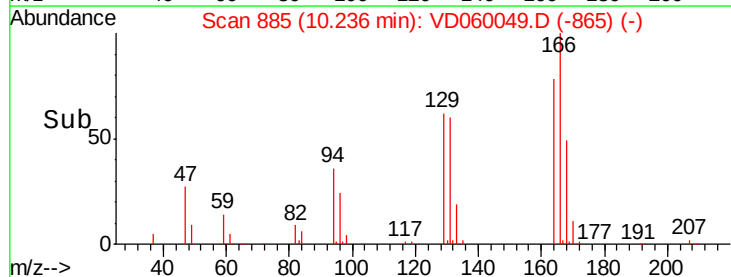
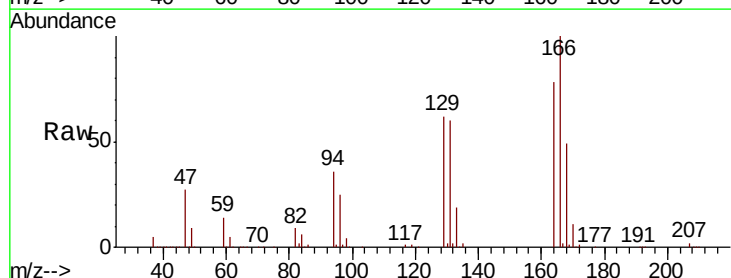
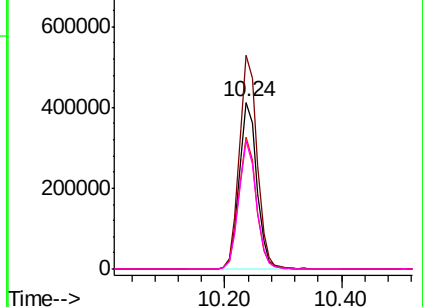
131 77.0 62.6 93.8

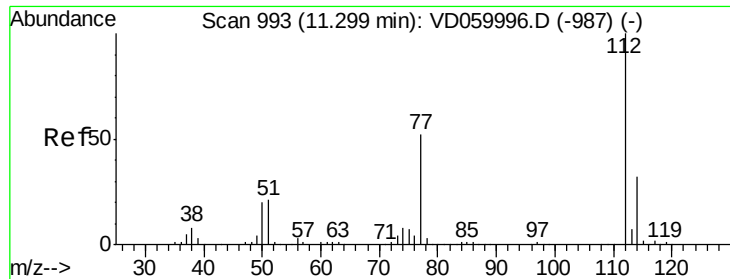
Abundance Ion 163.85 (163.55 to 164.55): V

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





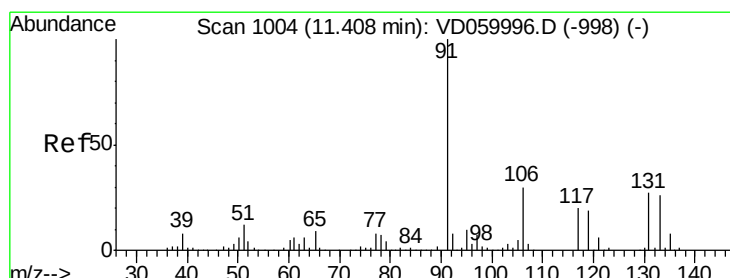
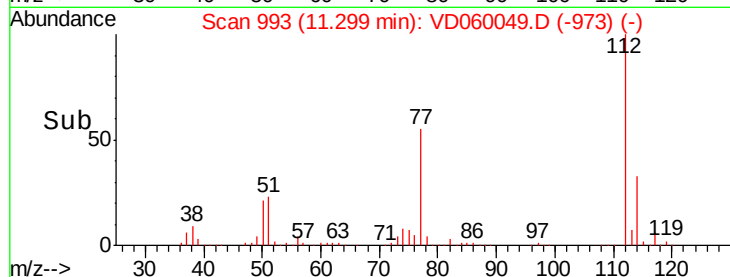
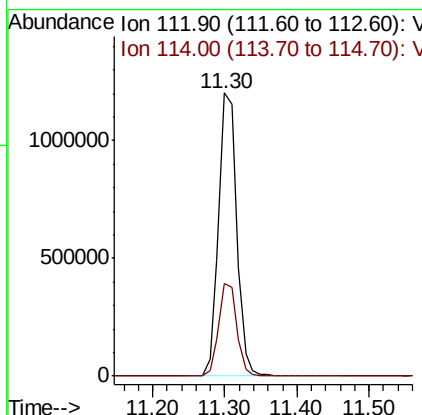
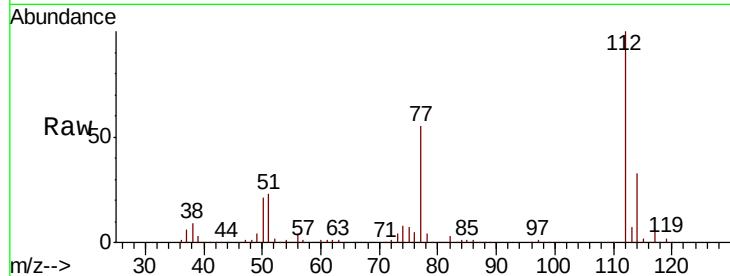
#65
Chlorobenzene
Concen: 51.225 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2085232
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

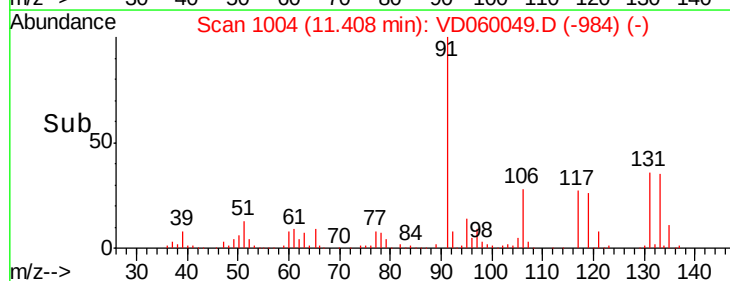
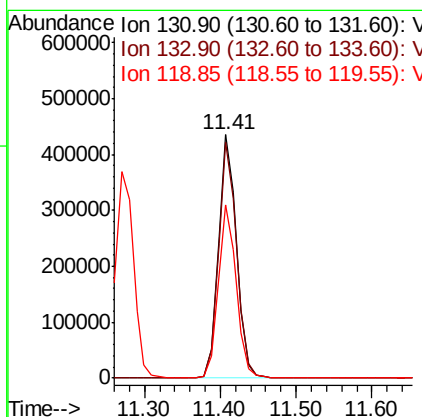
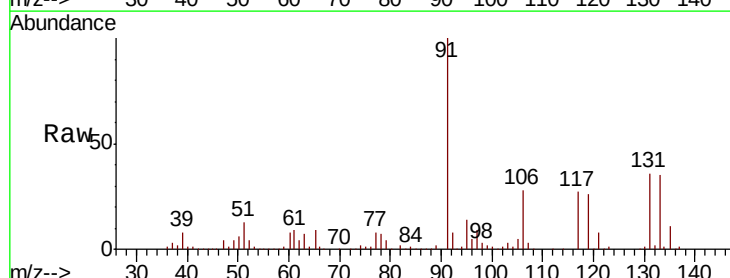
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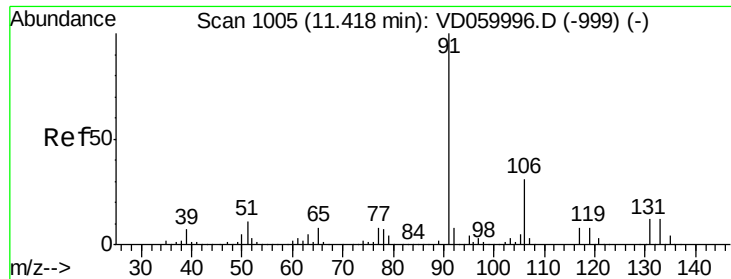
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.233 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:131 Resp: 730886
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.3
119 71.3 35.6 106.9





#67

Ethyl Benzene

Concen: 53.026 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3473681

Ion Ratio Lower Upper

91 100

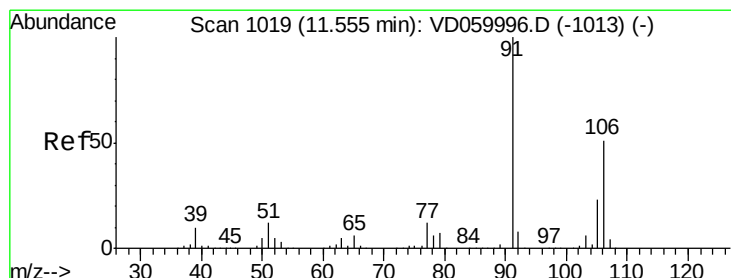
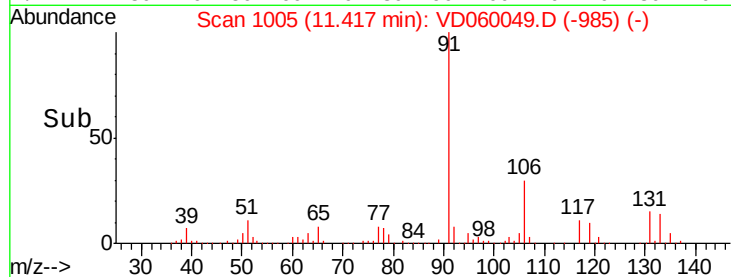
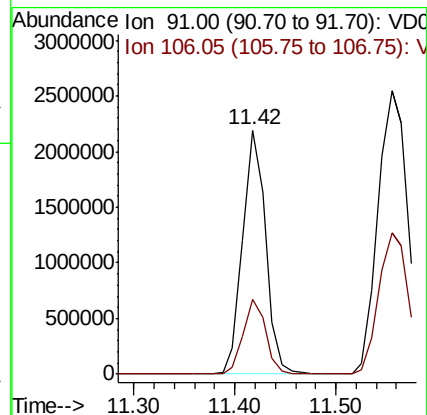
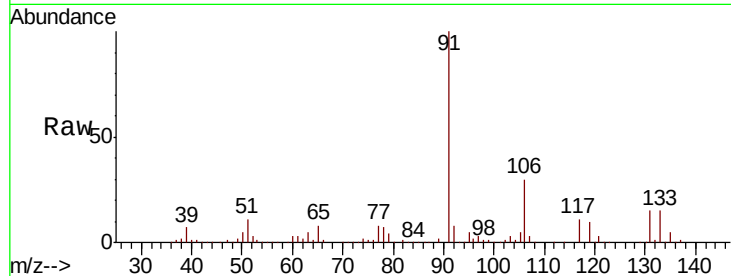
106 30.4 24.8 37.2

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#68

m/p-Xylenes

Concen: 107.229 ug/l

RT: 11.56 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD060049.D

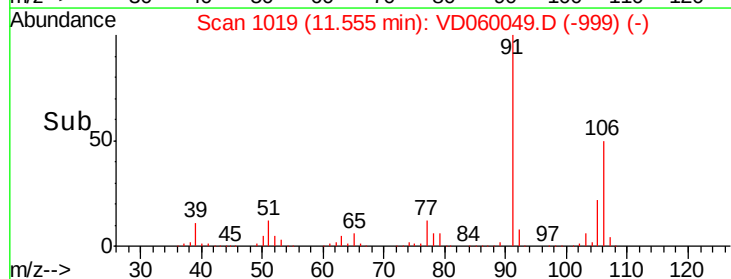
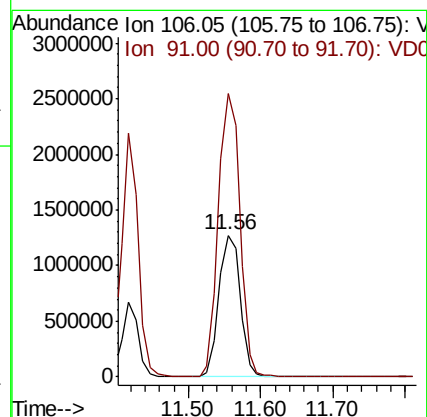
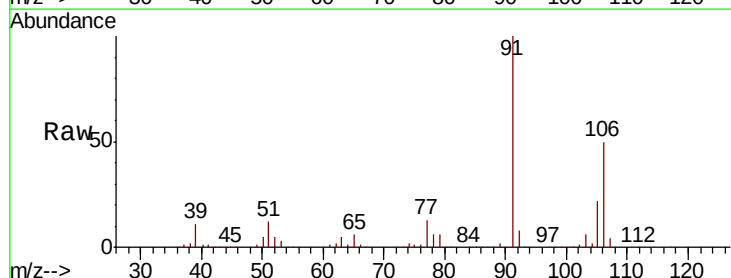
Acq: 20 Sep 2018 11:09

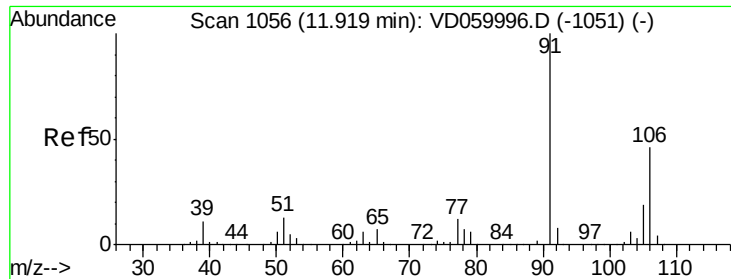
Tgt Ion: 106 Resp: 2594308

Ion Ratio Lower Upper

106 100

91 199.8 157.0 235.6





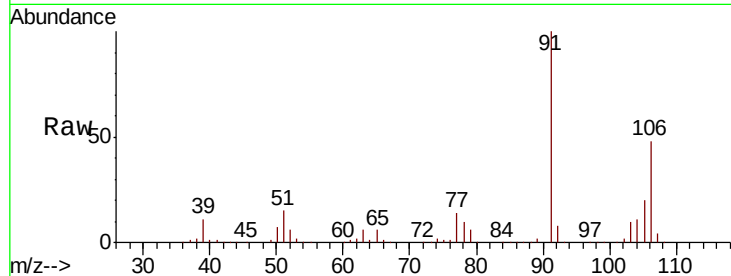
#69
o-Xylene
Concen: 51.263 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

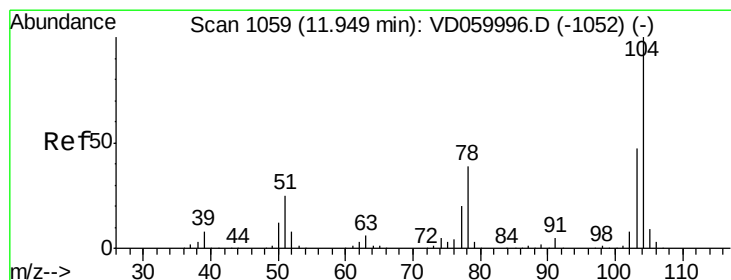
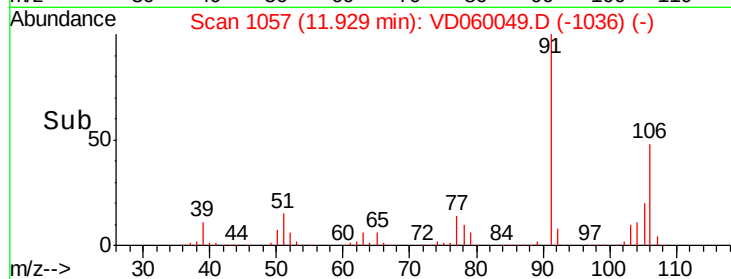
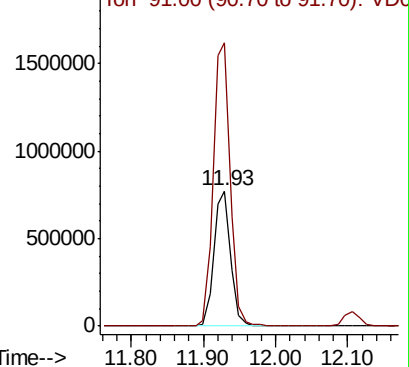
Tot Ion:106 Resp: 1228916
Ion Ratio Lower Upper
106 100
91 209.0 107.7 323.1

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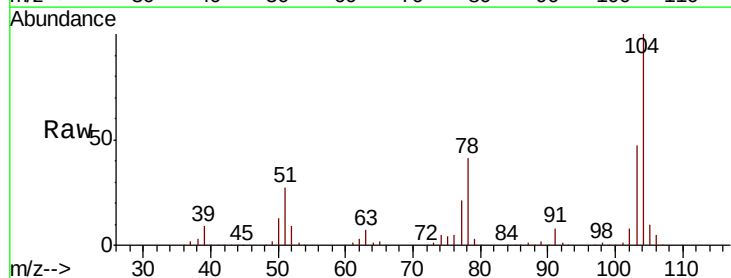


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

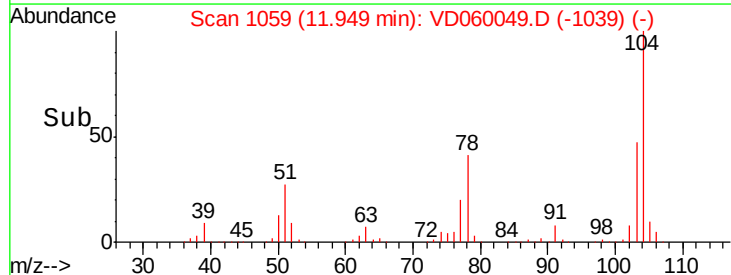
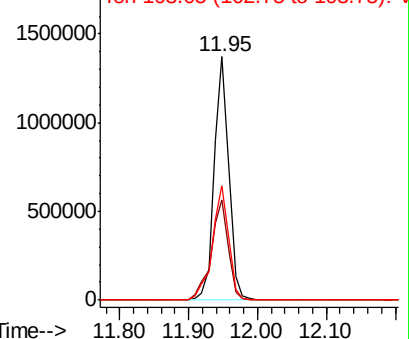


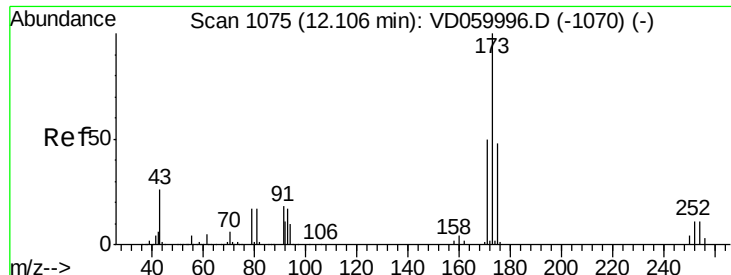
#70
Styrene
Concen: 49.473 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:104 Resp: 1994183
Ion Ratio Lower Upper
104 100
78 41.2 31.0 46.4
103 46.9 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 51.036 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 602035

Ion Ratio Lower Upper

173 100

175 49.3 24.0 72.0

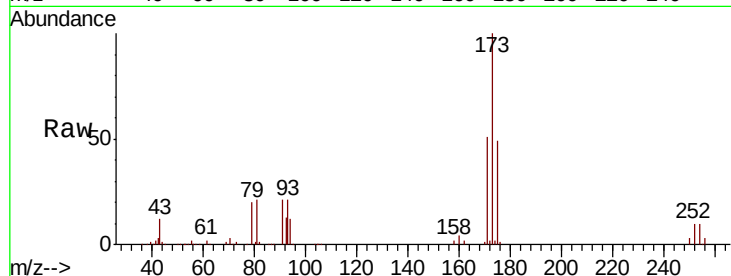
254 9.7 8.6 13.0

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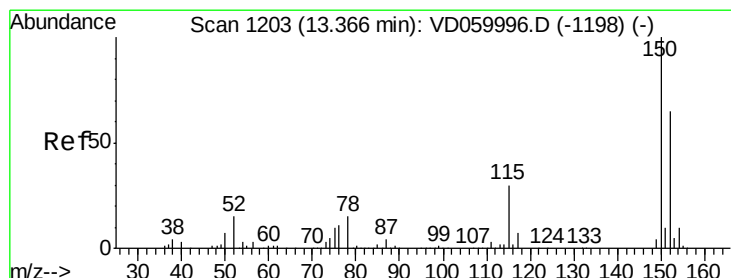
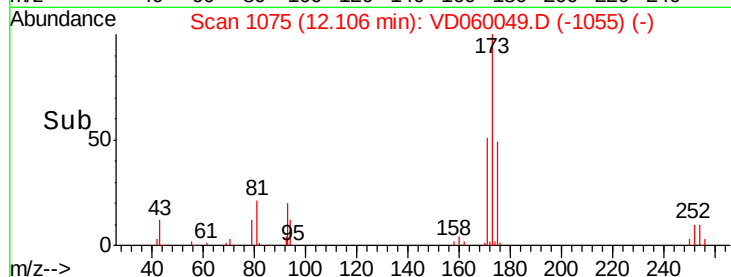
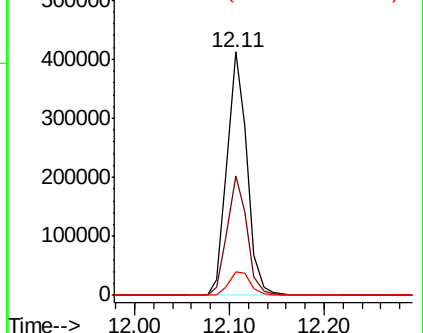
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

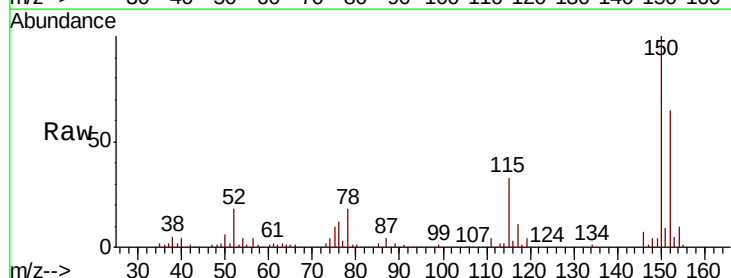
Tgt Ion:152 Resp: 1021904

Ion Ratio Lower Upper

152 100

115 50.2 24.6 73.8

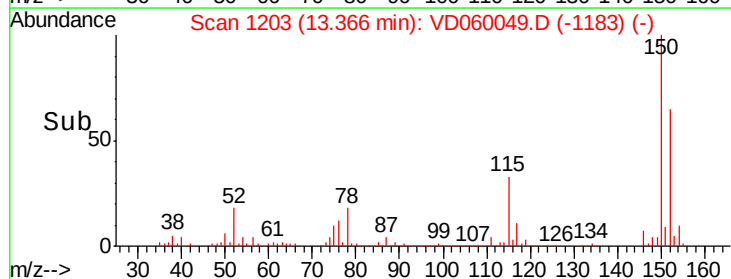
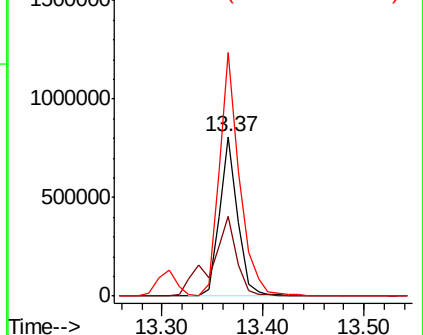
150 153.0 0.0 313.4

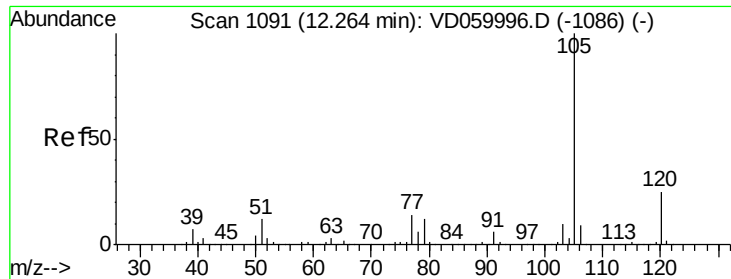


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.145 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3360780

Ion Ratio Lower Upper

105 100

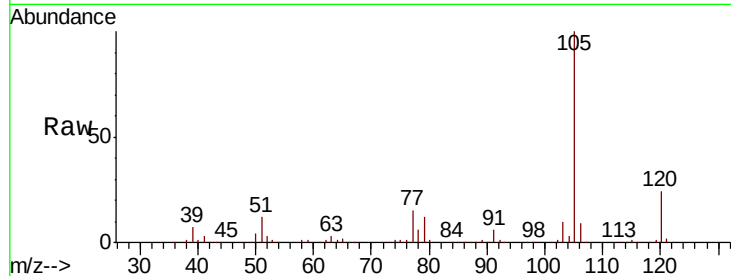
120 23.9 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

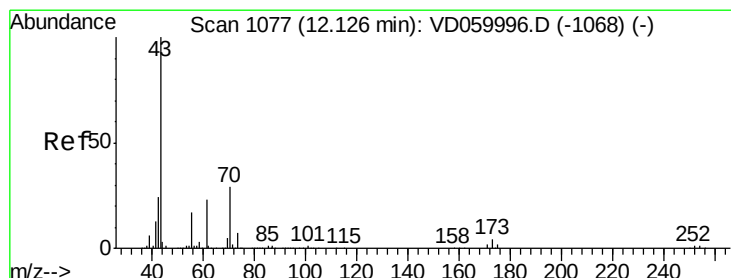
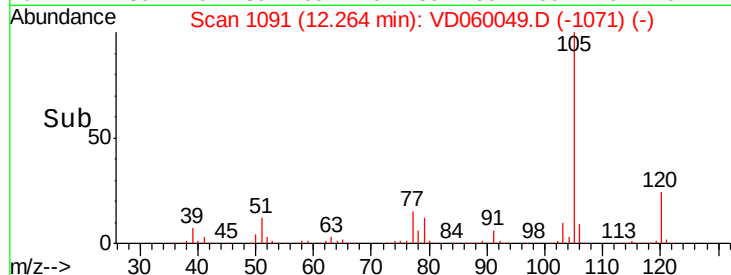
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 47.821 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion: 43 Resp: 1269544

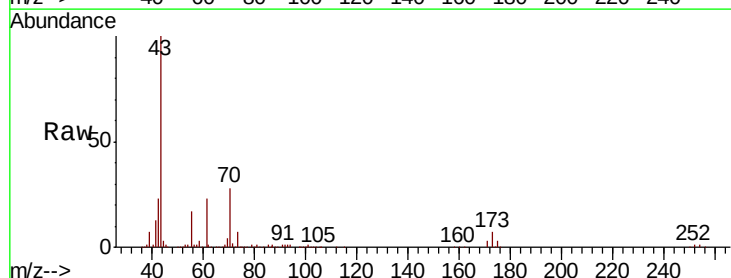
Ion Ratio Lower Upper

43 100

70 27.7 22.9 34.3

55 17.3 14.0 21.0

61 22.7 18.7 28.1



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

1500000

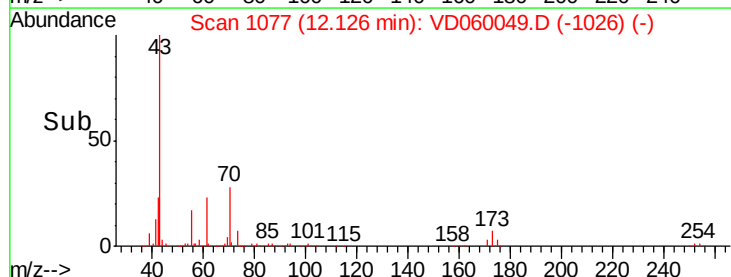
1000000

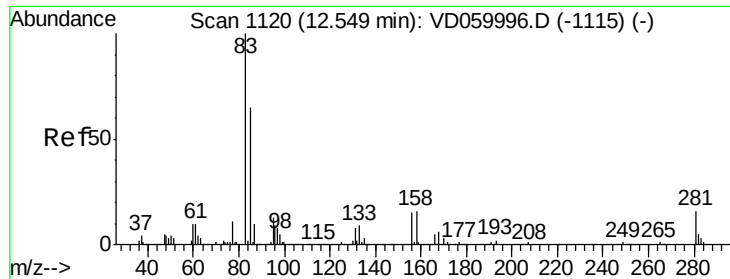
500000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.015 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

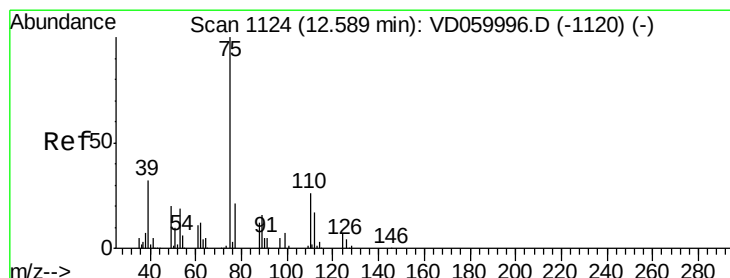
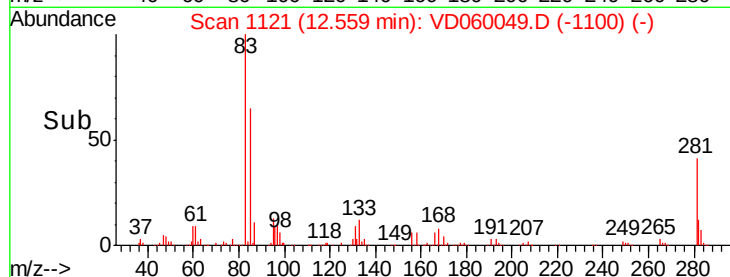
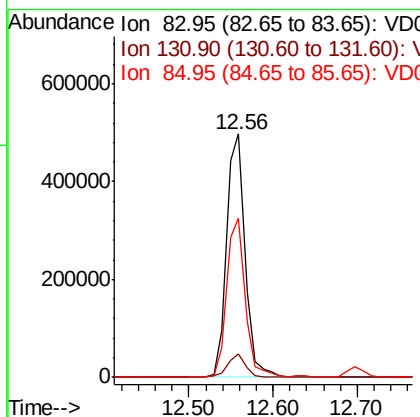
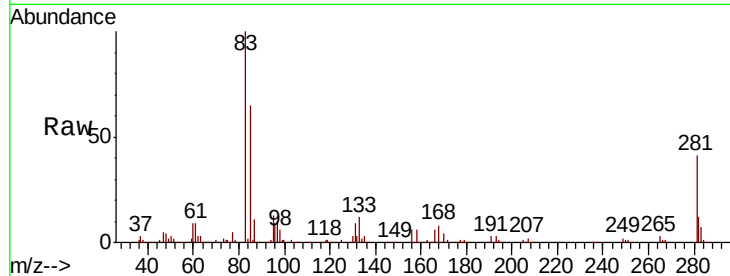
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	760441
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.1	12.3
85	65.4	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.226 ug/l

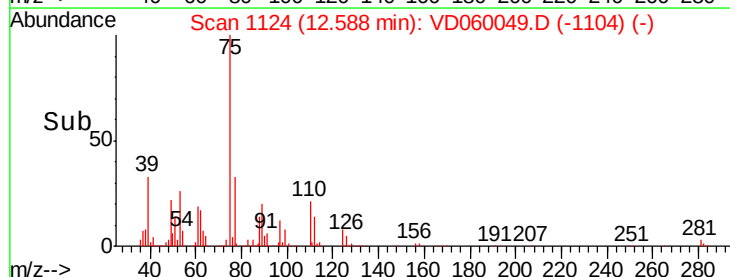
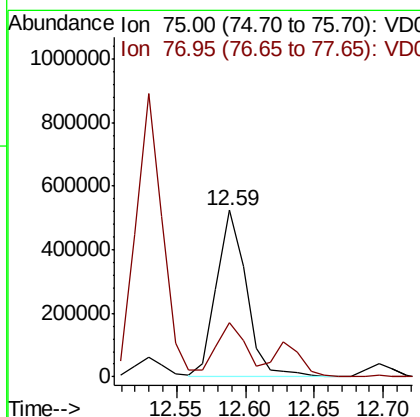
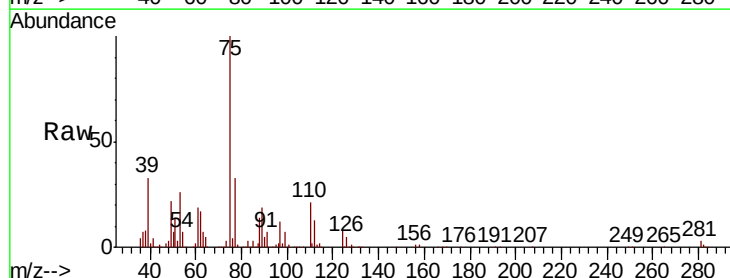
RT: 12.59 min Scan# 1124

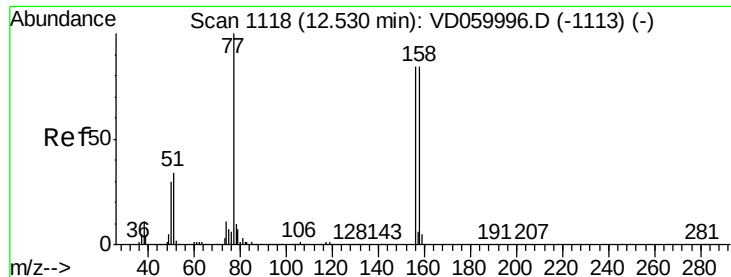
Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion:	75	Resp:	783895
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.4	49.4





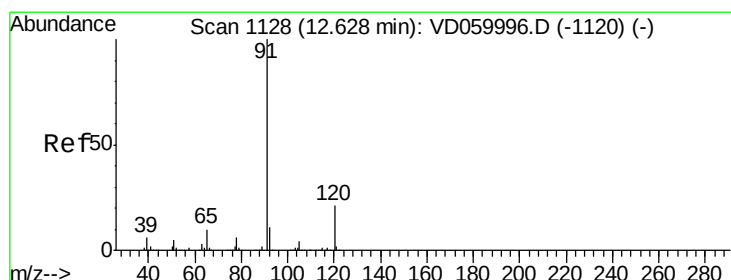
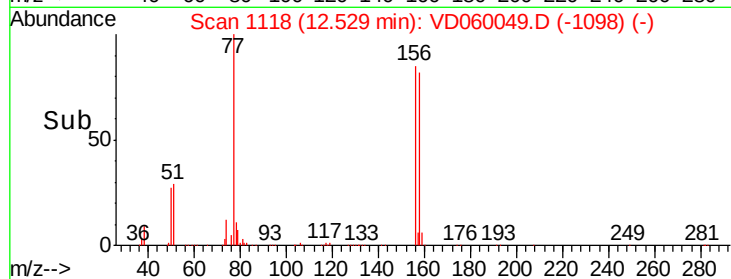
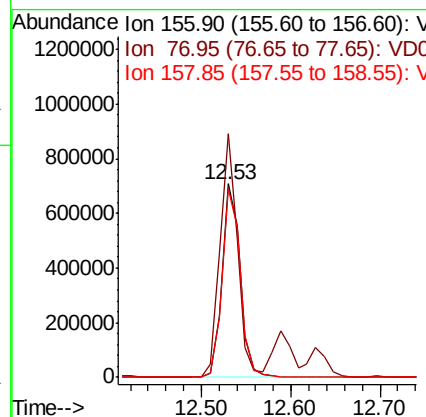
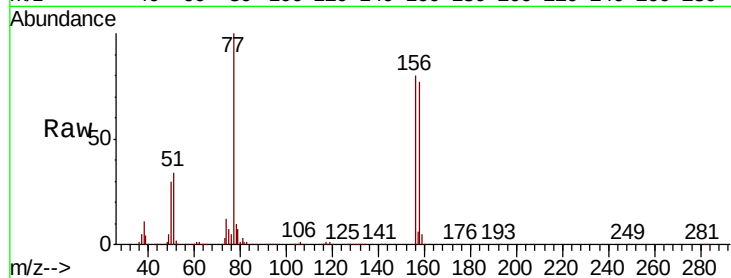
#77
Bromobenzene
Concen: 51.990 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 156 Resp: 1003707
Ion Ratio Lower Upper
156 100
77 125.8 59.5 178.4
158 97.1 50.0 149.8

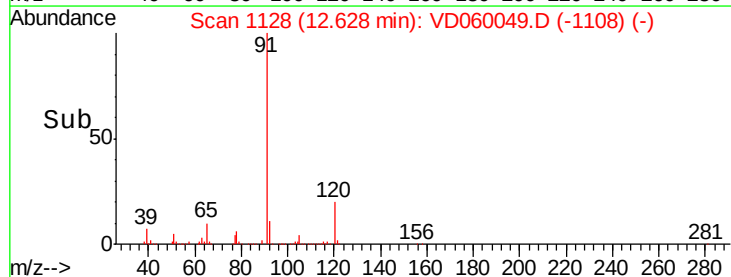
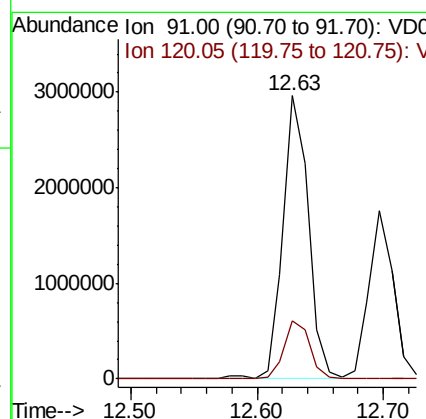
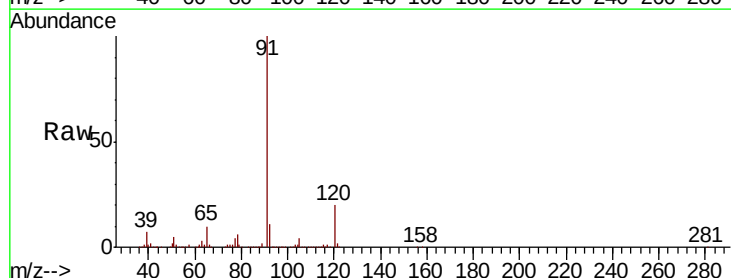
Manual Integrations
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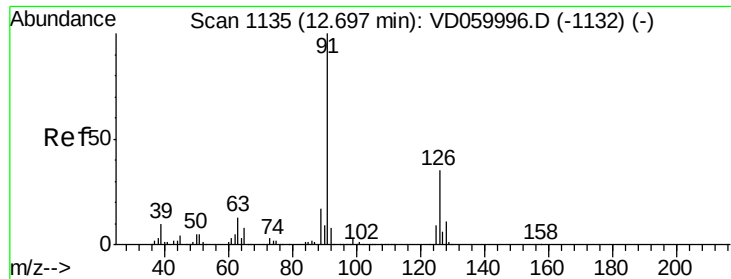
apatel
9/21/2018 12:01:37 PM



#78
n-propylbenzene
Concen: 49.634 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 91 Resp: 4183162
Ion Ratio Lower Upper
91 100
120 20.3 10.7 31.9





#79

2-Chlorotoluene

Concen: 49.842 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2370953

Ion Ratio Lower Upper

91 100

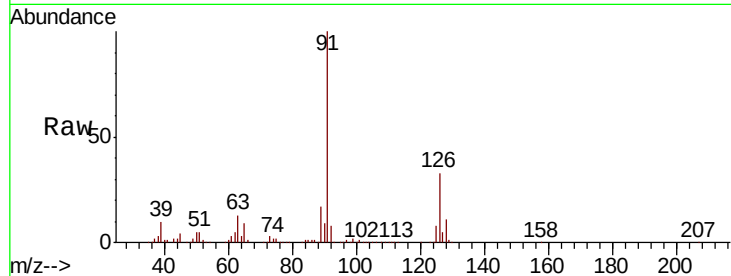
126 33.4 17.3 52.0

Manual Integrations

APPROVED

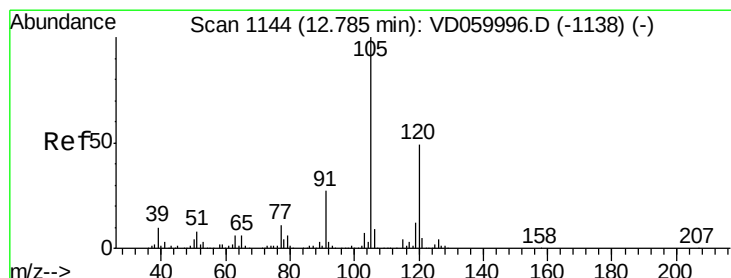
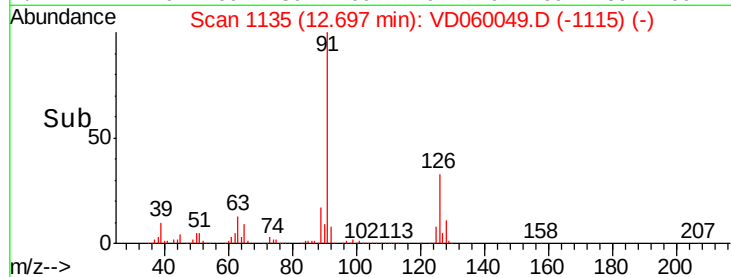
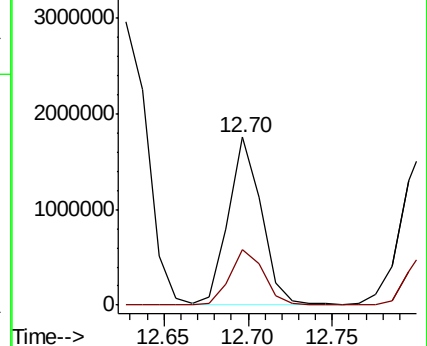
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060049.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD060049.D (-1132) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.399 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060049.D

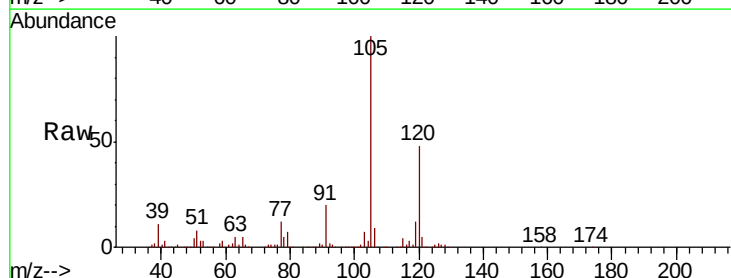
Acq: 20 Sep 2018 11:09

Tgt Ion:105 Resp: 2640361

Ion Ratio Lower Upper

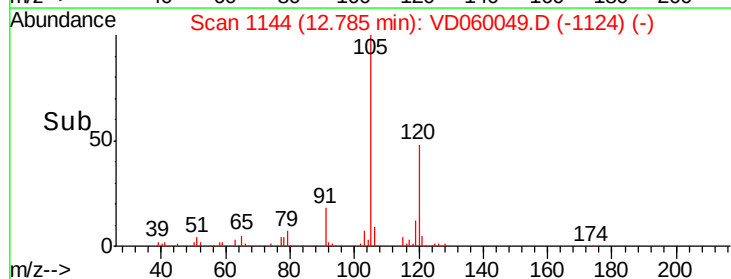
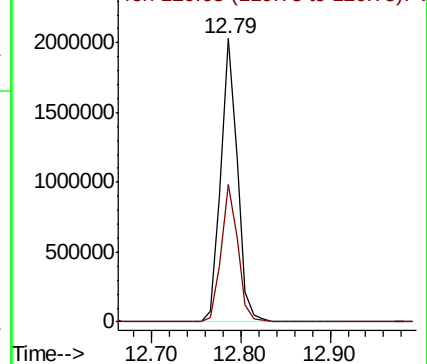
105 100

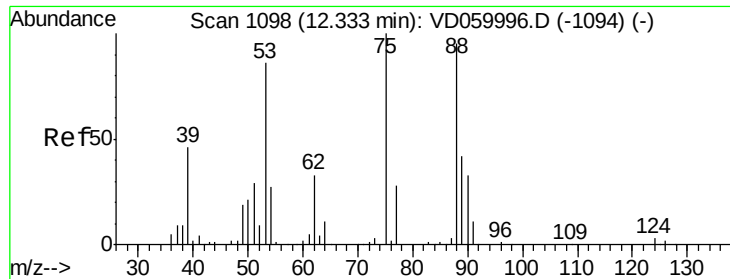
120 48.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD060049.D (-1124) (-)

Ion 120.05 (119.75 to 120.75): VD060049.D (-1124) (-)





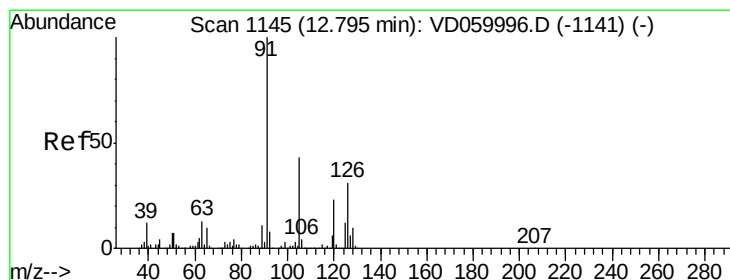
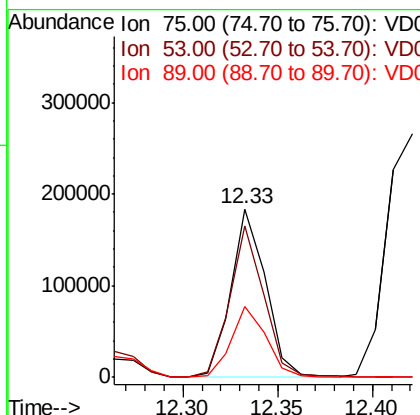
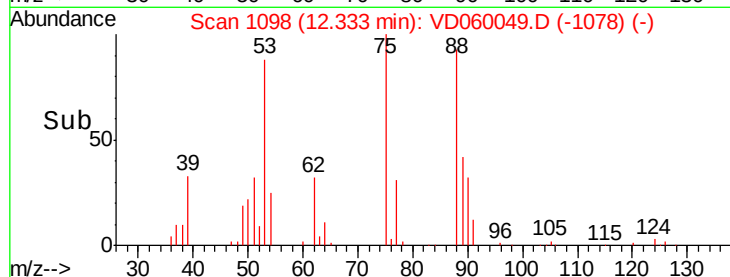
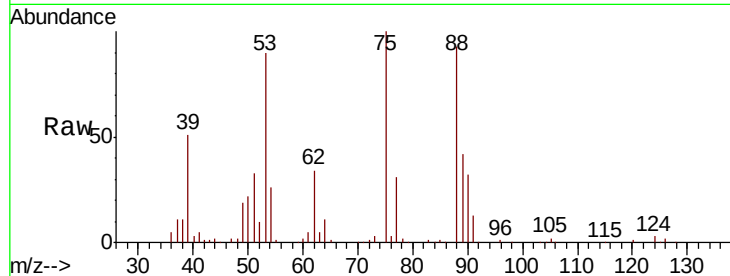
#81
trans-1,4-Dichloro-2-butene
Concen: 49.097 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	68.4	102.6
89	42.2	33.8	50.6

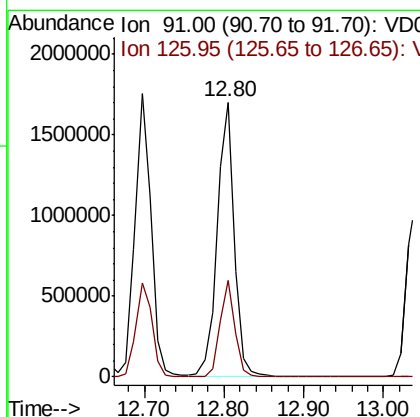
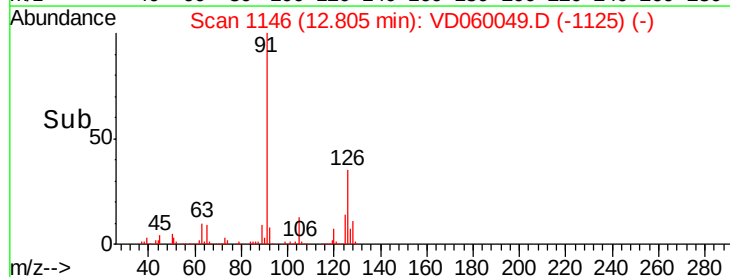
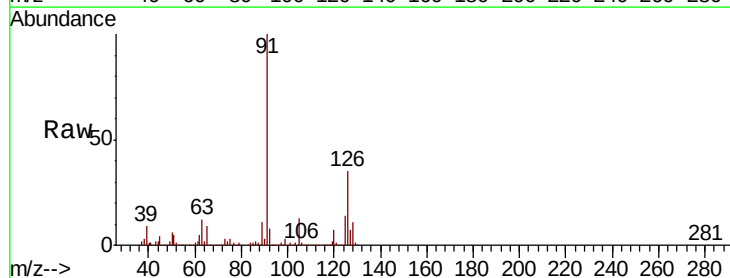
Manual Integrations
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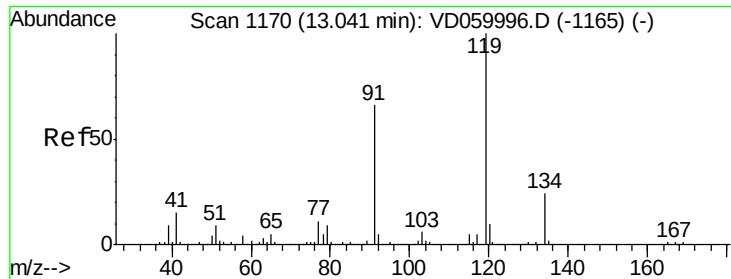
apatel
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#82
4-Chlorotoluene
Concen: 48.953 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	15.4	46.1





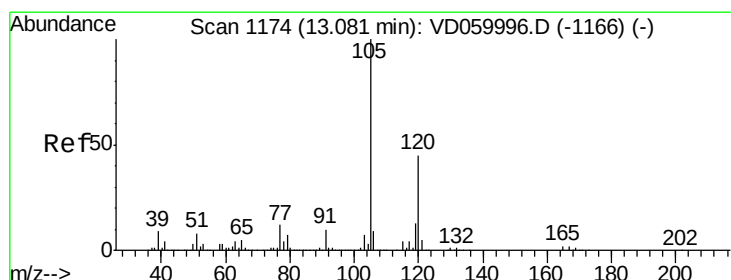
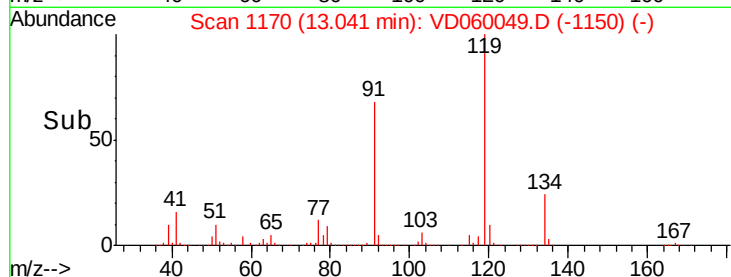
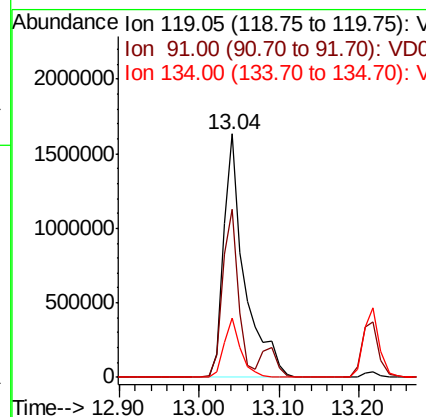
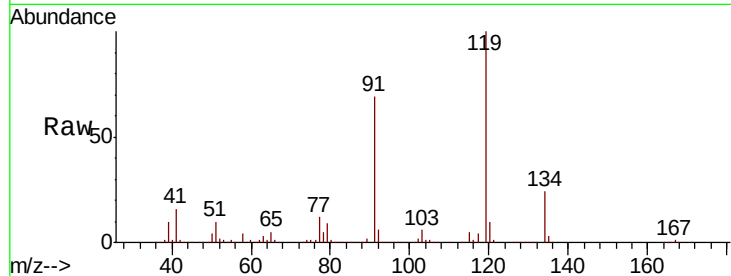
#83
 tert-Butylbenzene
 Concen: 50.838 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	32.9	98.6
134	24.1	12.0	36.0

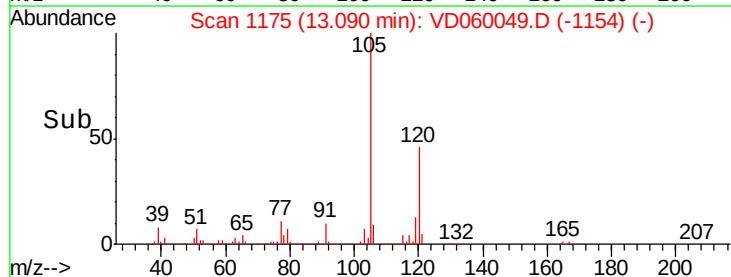
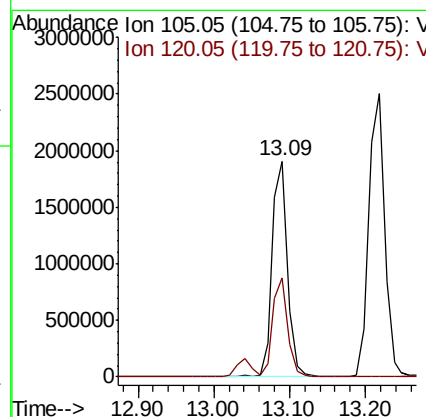
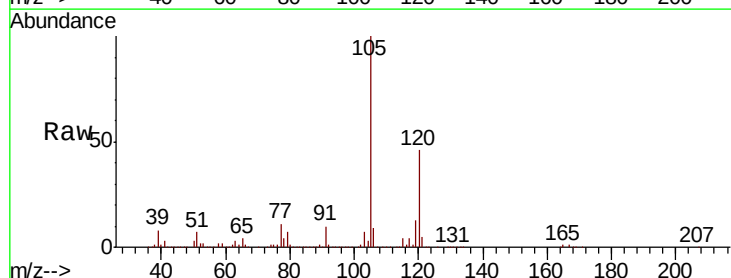
Manual Integrations
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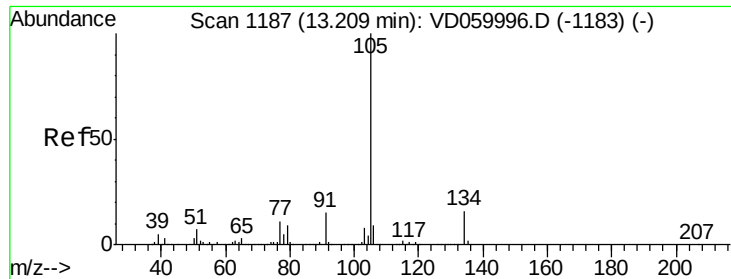
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.088 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.4	67.0





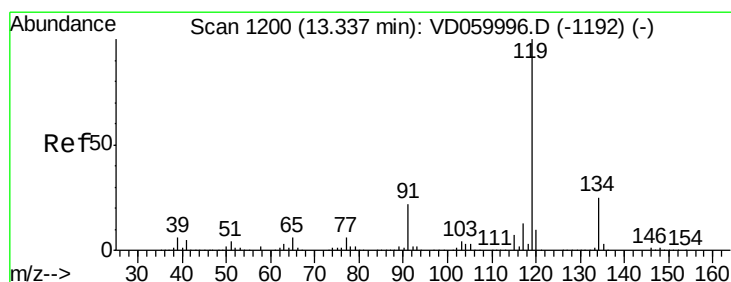
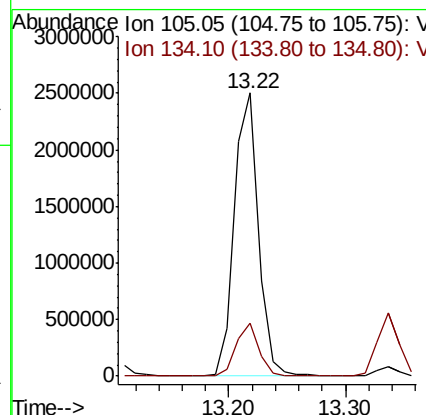
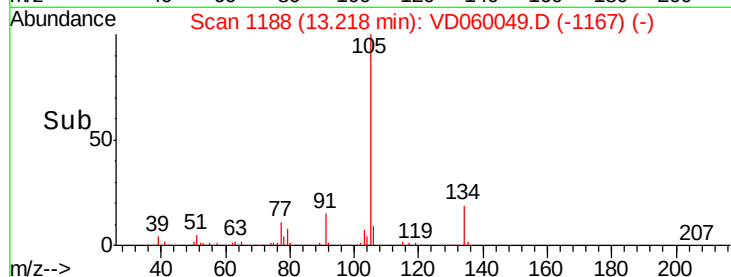
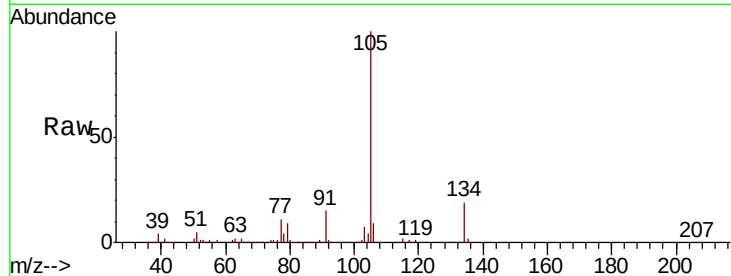
#85
 sec-Butylbenzene
 Concen: 50.354 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3557211
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.2 24.6

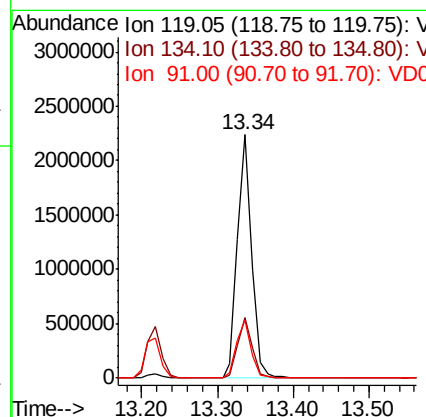
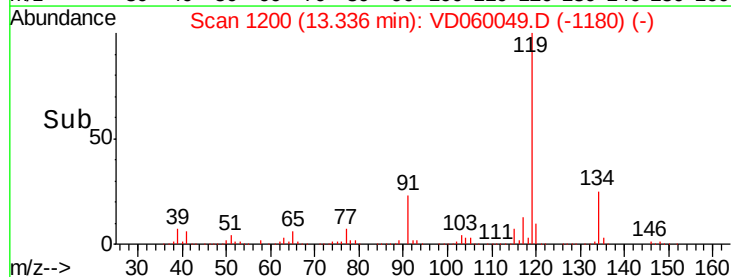
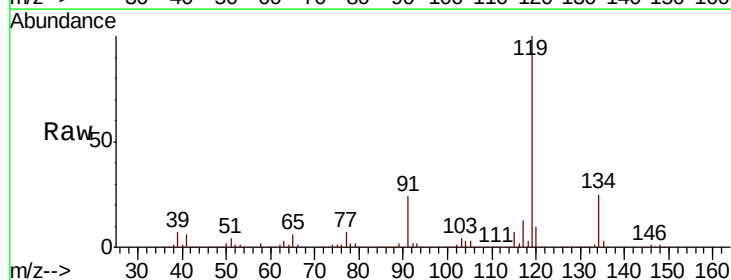
Manual Integrations
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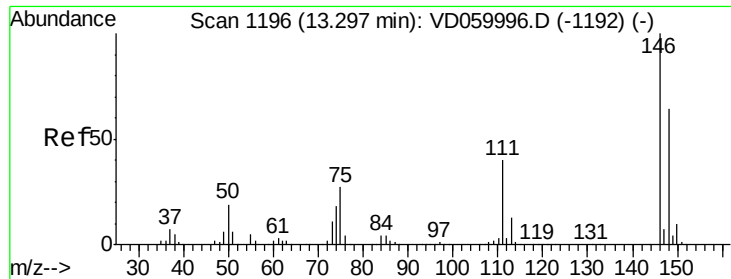
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#86
 p-Isopropyltoluene
 Concen: 50.720 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion:119 Resp: 2897979
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 23.6 11.1 33.3





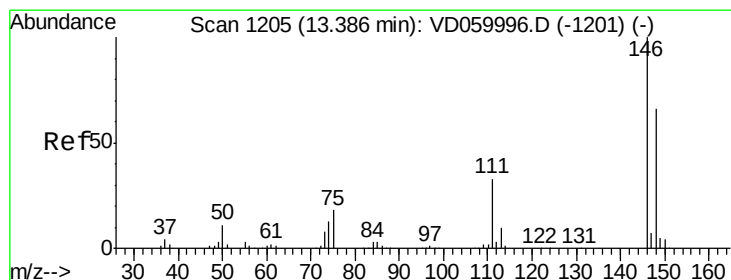
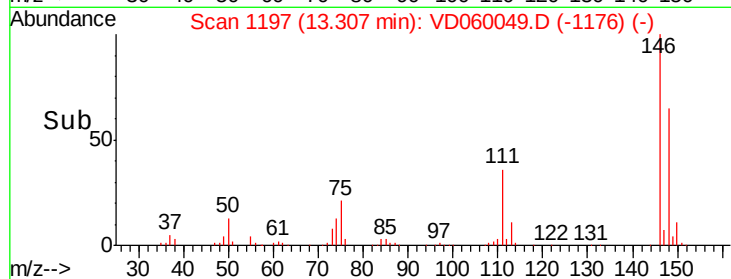
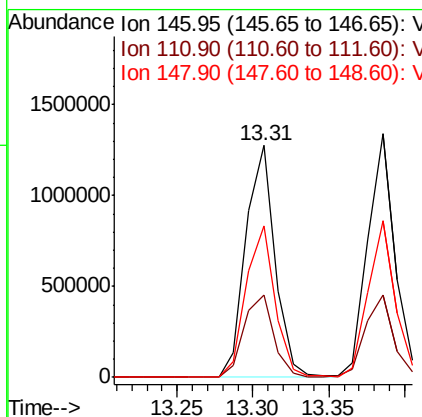
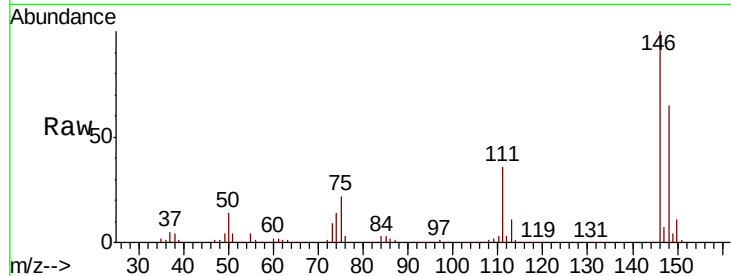
#87
 1,3-Dichlorobenzene
 Concen: 51.271 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	65.4	32.0	96.2

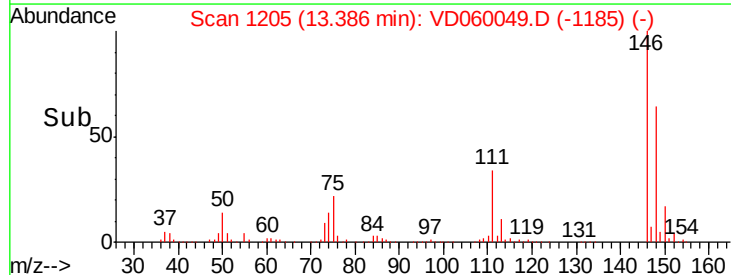
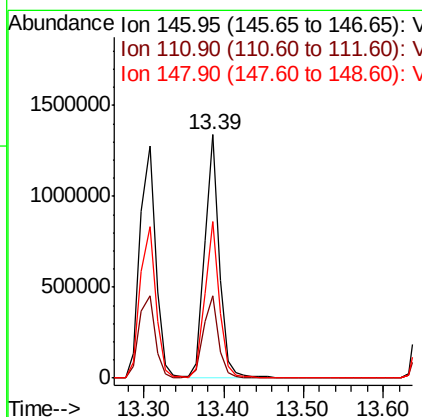
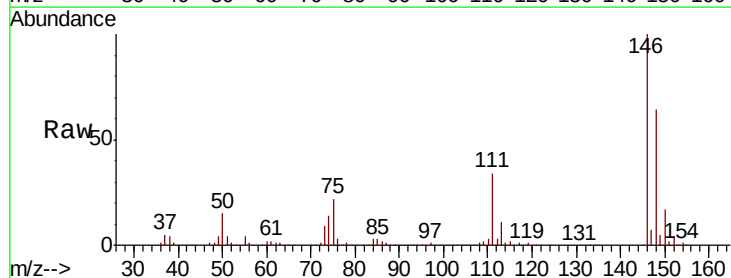
Manual Integrations
 APPROVED

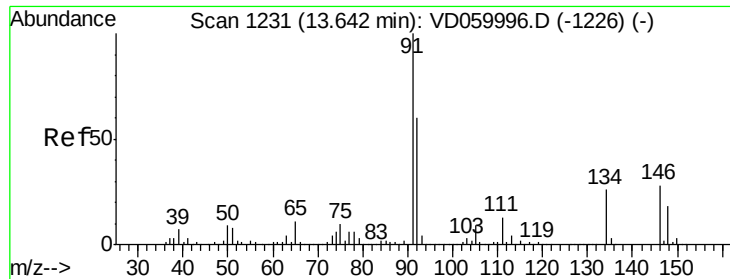
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#88
 1,4-Dichlorobenzene
 Concen: 50.107 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	16.7	50.0
148	64.1	32.9	98.6





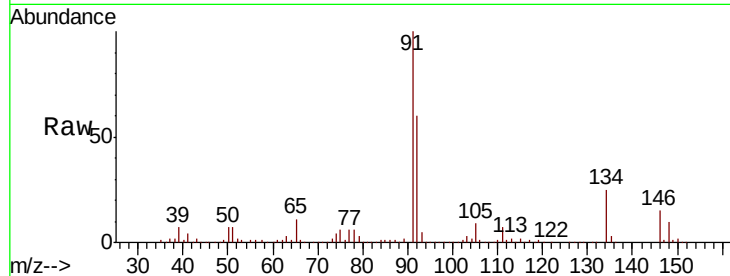
#89
n-Butylbenzene
Concen: 53.240 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

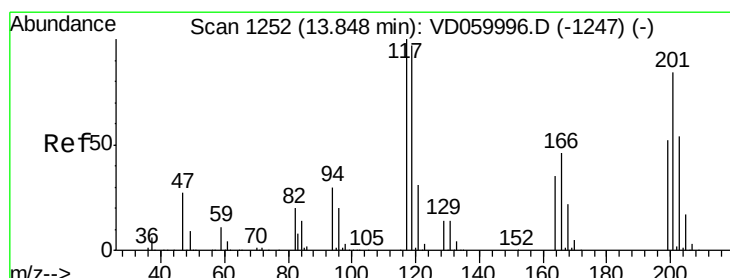
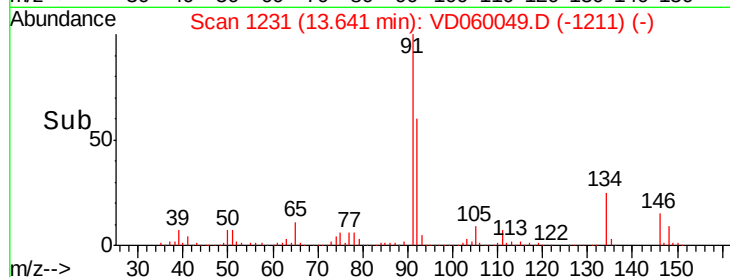
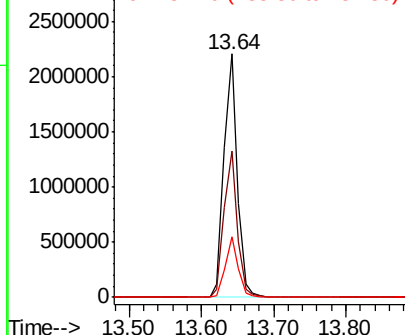
Tot Ion: 91 Resp: 2817288
Ion Ratio Lower Upper
91 100
92 59.8 29.8 89.3
134 24.9 13.2 39.6

Manual Integrations
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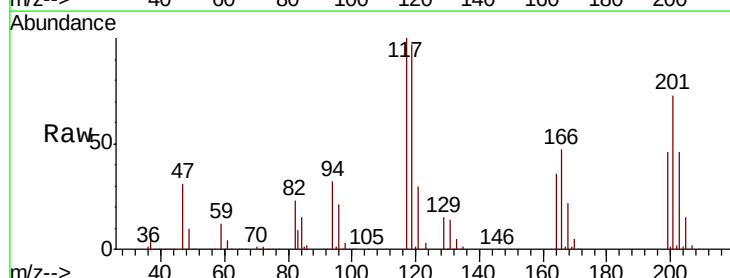


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

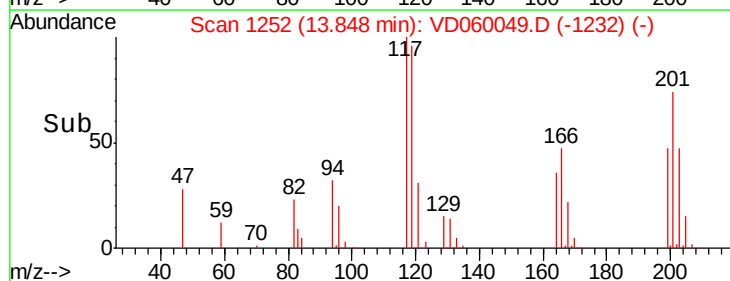
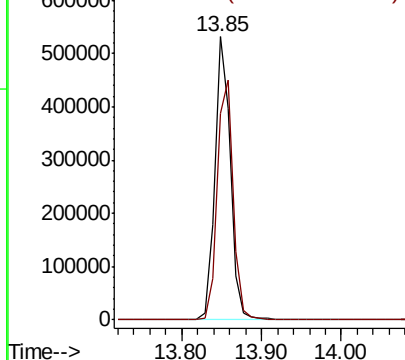


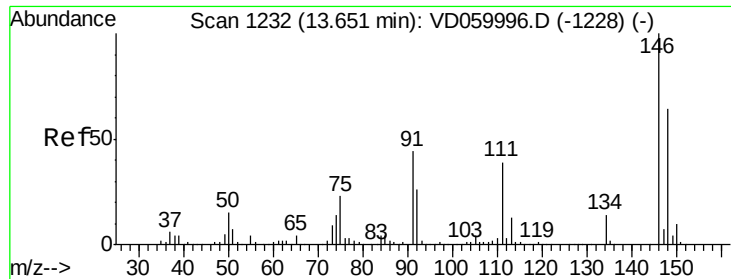
#90
Hexachloroethane
Concen: 51.510 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 117 Resp: 728960
Ion Ratio Lower Upper
117 100
201 72.9 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 53.875 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1443128

Ion Ratio Lower Upper

146 100

111 41.1 19.6 58.7

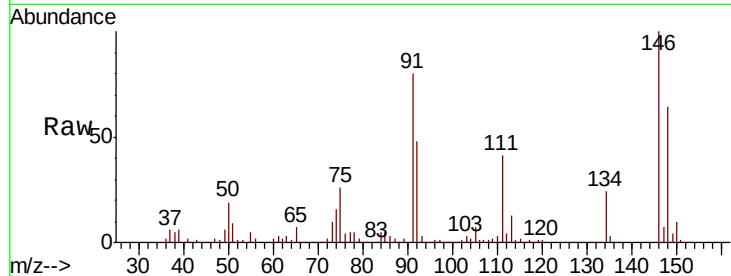
148 63.8 31.9 95.7

Manual Integrations

APPROVED

apatel

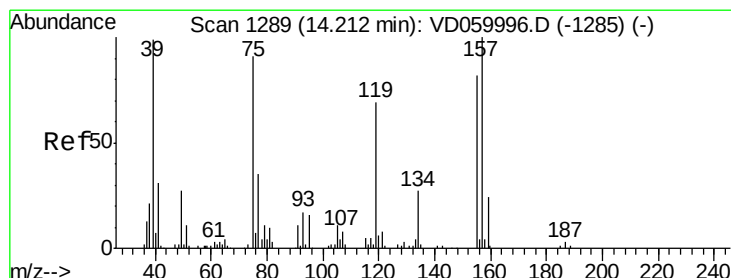
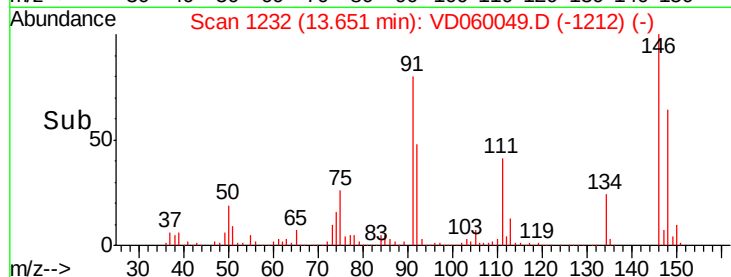
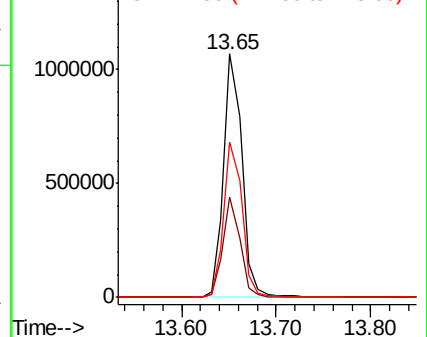
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.086 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

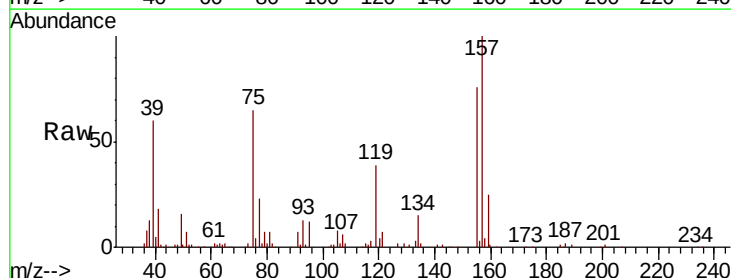
Tgt Ion: 75 Resp: 102185

Ion Ratio Lower Upper

75 100

155 117.9 44.7 134.1

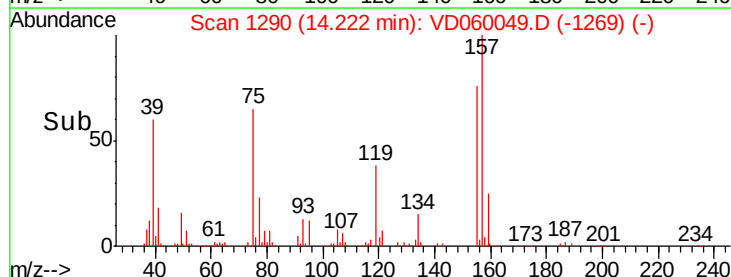
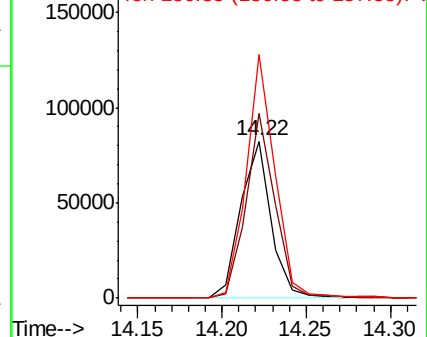
157 154.9 54.7 164.1

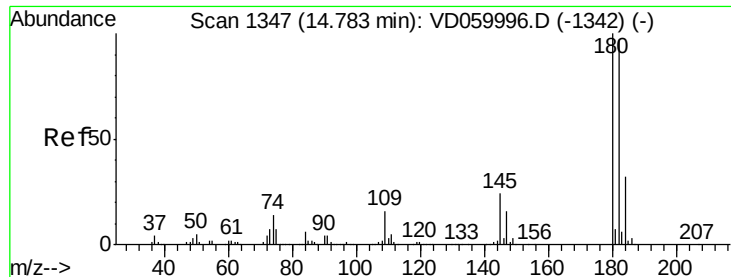


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





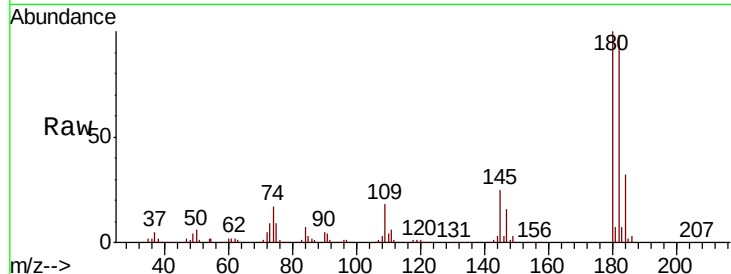
#93
 1,2,4-Trichlorobenzene
 Concen: 51.740 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

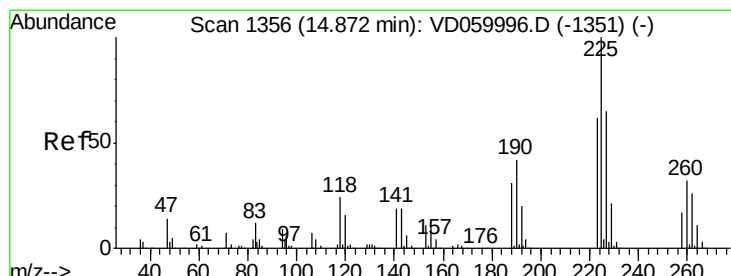
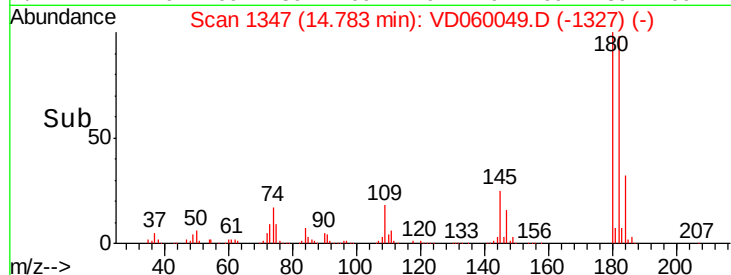
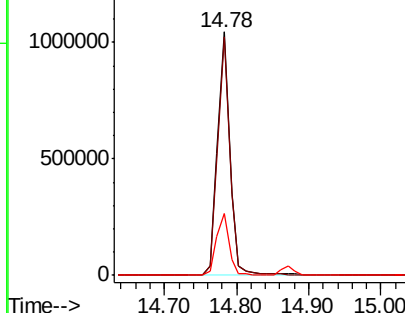
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.5	145.6
145	25.3	11.9	35.7

Manual Integrations
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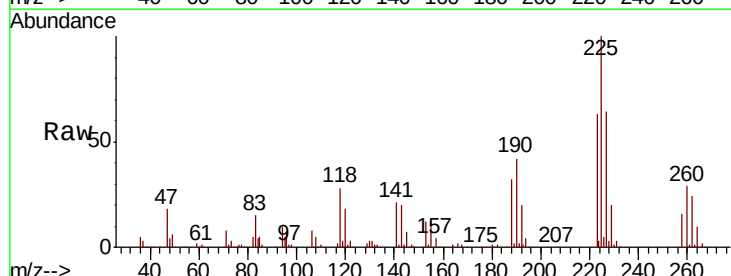


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

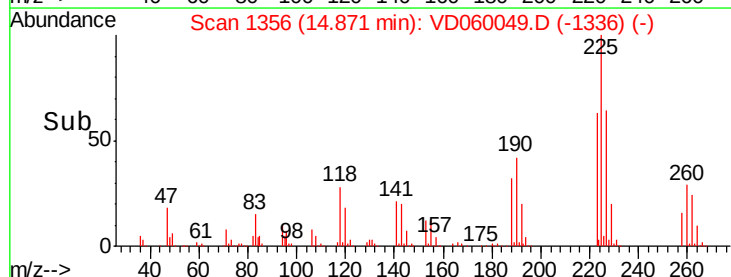
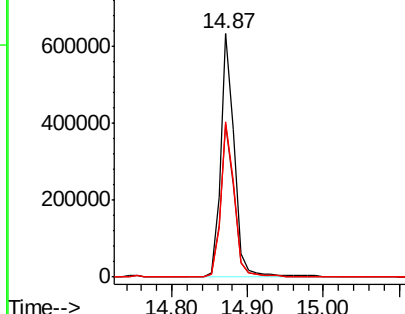


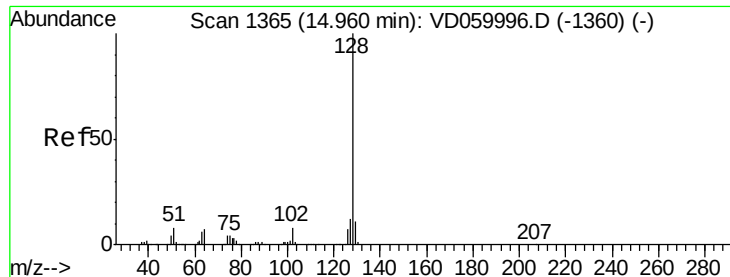
#94
 Hexachlorobutadiene
 Concen: 50.920 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.2	93.6
227	63.7	32.3	96.8



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





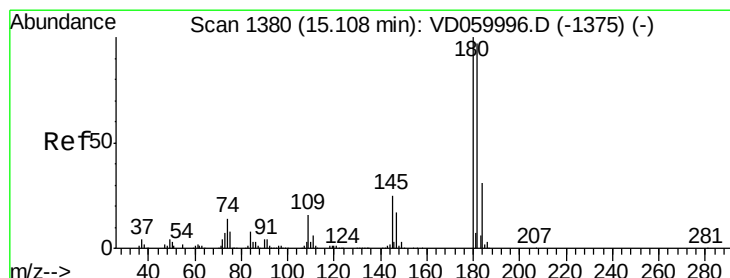
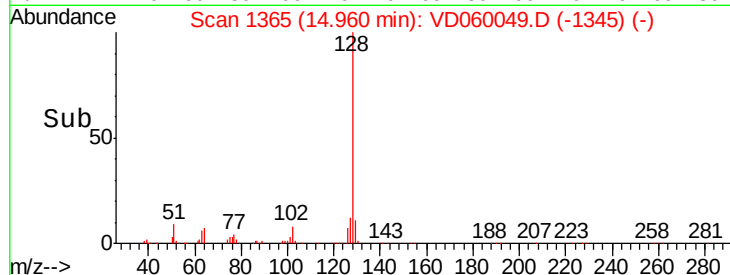
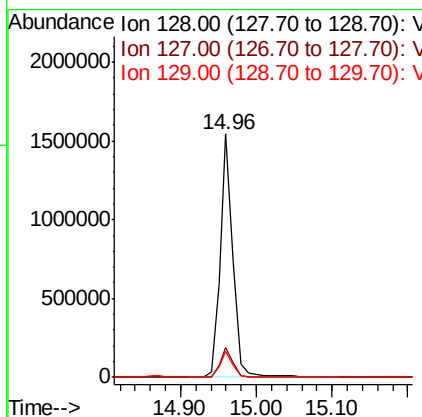
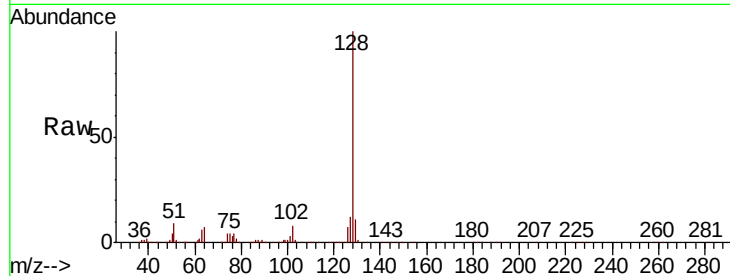
#95
Naphthalene
Concen: 49.717 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1836938
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.9 8.9 13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.190 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:180 Resp: 1037091
Ion Ratio Lower Upper
180 100
182 95.7 48.6 145.9
145 27.2 12.7 38.1

