

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060240.D
 Acq On : 31 Oct 2018 14:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:59:27 AM

Quant Time: Nov 01 00:02:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1607605	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2279919	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.28	117	1835197	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	967709	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	642849	52.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	6.33	113	883599	51.04	ug/l	0.04
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	9.46	98	2410725	48.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.44	95	924388	50.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	704633	46.596	ug/l	99
3) Chloromethane	1.77	50	708701	51.973	ug/l	98
4) Vinyl Chloride	1.86	62	630242	56.476	ug/l	99
5) Bromomethane	2.15	94	90388	64.507	ug/l	96
6) Chloroethane	2.26	64	166270	54.600	ug/l	98
7) Trichlorofluoromethane	2.52	101	701915	52.531	ug/l	98
8) Diethyl Ether	2.83	74	172927	62.937	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	503169	60.446	ug/l	99
10) Methyl Iodide	3.25	142	518860	58.777	ug/l	99
11) Tert butyl alcohol	3.98	59	245432	280.829	ug/l	98
12) 1,1-Dichloroethene	3.09	96	396790	60.506	ug/l	89
13) Acrolein	2.99	56	105967	196.692	ug/l	99
14) Allyl chloride	3.55	41	792032	58.152	ug/l	99
15) Acrylonitrile	4.10	53	1030682	284.923	ug/l	99
16) Acetone	3.17	43	736975	333.296	ug/l	100
17) Carbon Disulfide	3.32	76	1138094	51.608	ug/l	99
18) Methyl Acetate	3.57	43	373530	78.596	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1617997	56.116	ug/l	99
20) Methylene Chloride	3.73	84	899240	51.823	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	870359	51.388	ug/l	96
22) Diisopropyl ether	4.87	45	3380728	55.580	ug/l	97
23) Vinyl Acetate	4.82	43	9276524	271.318	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1544163	55.990	ug/l	98
25) 2-Butanone	5.63	43	1637118	296.362	ug/l	97
26) 2,2-Dichloropropane	5.60	77	1220359	58.370	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	982812	54.769	ug/l	97
28) Bromochloromethane	5.93	49	699074	52.162	ug/l	99
29) Tetrahydrofuran	5.96	42	886152	276.176	ug/l	99
30) Chloroform	6.11	83	1558136	55.852	ug/l	98
31) Cyclohexane	6.37	56	1280100	48.488	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1283456	56.154	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1098965	50.442	ug/l	99
37) Ethyl Acetate	5.70	43	769729	53.227	ug/l	97
38) Carbon Tetrachloride	6.51	117	1062658	53.741	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1226884	49.563	ug/l	97
40) Benzene	6.81	78	2977468	52.239	ug/l	100
41) Methacrylonitrile	5.93	41	303933m	37.184	ug/l	
42) 1,2-Dichloroethane	6.90	62	895261	54.786	ug/l	99
43) Isopropyl Acetate	8.35	43	1069496	56.215	ug/l	98
44) Trichloroethene	7.75	130	907420	51.430	ug/l	98
45) 1,2-Dichloropropane	8.12	63	805371	53.964	ug/l	99
46) Dibromomethane	8.22	93	521765	54.000	ug/l	95
47) Bromodichloromethane	8.50	83	1140532	55.399	ug/l	99
48) Methyl methacrylate	8.25	41	608062	56.110	ug/l	98
49) 1,4-Dioxane	8.23	88	117993	1106.587	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	3311818	275.990	ug/l	99
52) Toluene	9.56	92	1838632	50.088	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	1033775	55.495	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1264936	54.989	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	646560	53.878	ug/l	99
56) Ethyl methacrylate	10.03	69	729397	55.062	ug/l	96
57) 1,3-Dichloropropane	10.39	76	1009732	55.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1860002	252.854	ug/l	98
59) 2-Hexanone	10.50	43	2474002	286.715	ug/l	99
60) Dibromochloromethane	10.64	129	829665	56.349	ug/l	97
61) 1,2-Dibromoethane	10.76	107	691688	54.247	ug/l	97
64) Tetrachloroethene	10.26	164	802365	49.918	ug/l	98
65) Chlorobenzene	11.32	112	2133050	53.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	726838	54.878	ug/l	99
67) Ethyl Benzene	11.43	91	3385699	52.634	ug/l	99
68) m/p-Xylenes	11.57	106	2509077	104.397	ug/l	99
69) o-Xylene	11.94	106	1256022	52.834	ug/l	99
70) Styrene	11.96	104	2150940	54.104	ug/l	99
71) Bromoform	12.12	173	615560	57.395	ug/l	99
73) Isopropylbenzene	12.28	105	3329195	52.148	ug/l	97
74) N-amyl acetate	12.14	43	1278226	54.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	738998	53.022	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	772911	55.461	ug/l	99
77) Bromobenzene	12.54	156	935683	50.436	ug/l	95
78) n-propylbenzene	12.64	91	4178372	52.709	ug/l	97
79) 2-Chlorotoluene	12.71	91	2307207	52.440	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2600535	52.631	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	238145	60.815	ug/l	96
82) 4-Chlorotoluene	12.82	91	2591134	52.069	ug/l	96
83) tert-Butylbenzene	13.06	119	3009796	53.082	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2677018	51.407	ug/l	97
85) sec-Butylbenzene	13.22	105	3549119	52.939	ug/l	97
86) p-Isopropyltoluene	13.35	119	2894508	52.639	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1720804	53.239	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	1684925	51.898	ug/l	98
89) n-Butylbenzene	13.65	91	2852410	53.162	ug/l	98
90) Hexachloroethane	13.86	117	760175	59.734	ug/l	84
91) 1,2-Dichlorobenzene	13.67	146	1418674	52.200	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	106316	57.130	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1211414	52.515	ug/l	98
94) Hexachlorobutadiene	14.89	225	806028	52.566	ug/l	99
95) Naphthalene	14.97	128	1856696	54.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1030876	51.372	ug/l	98

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

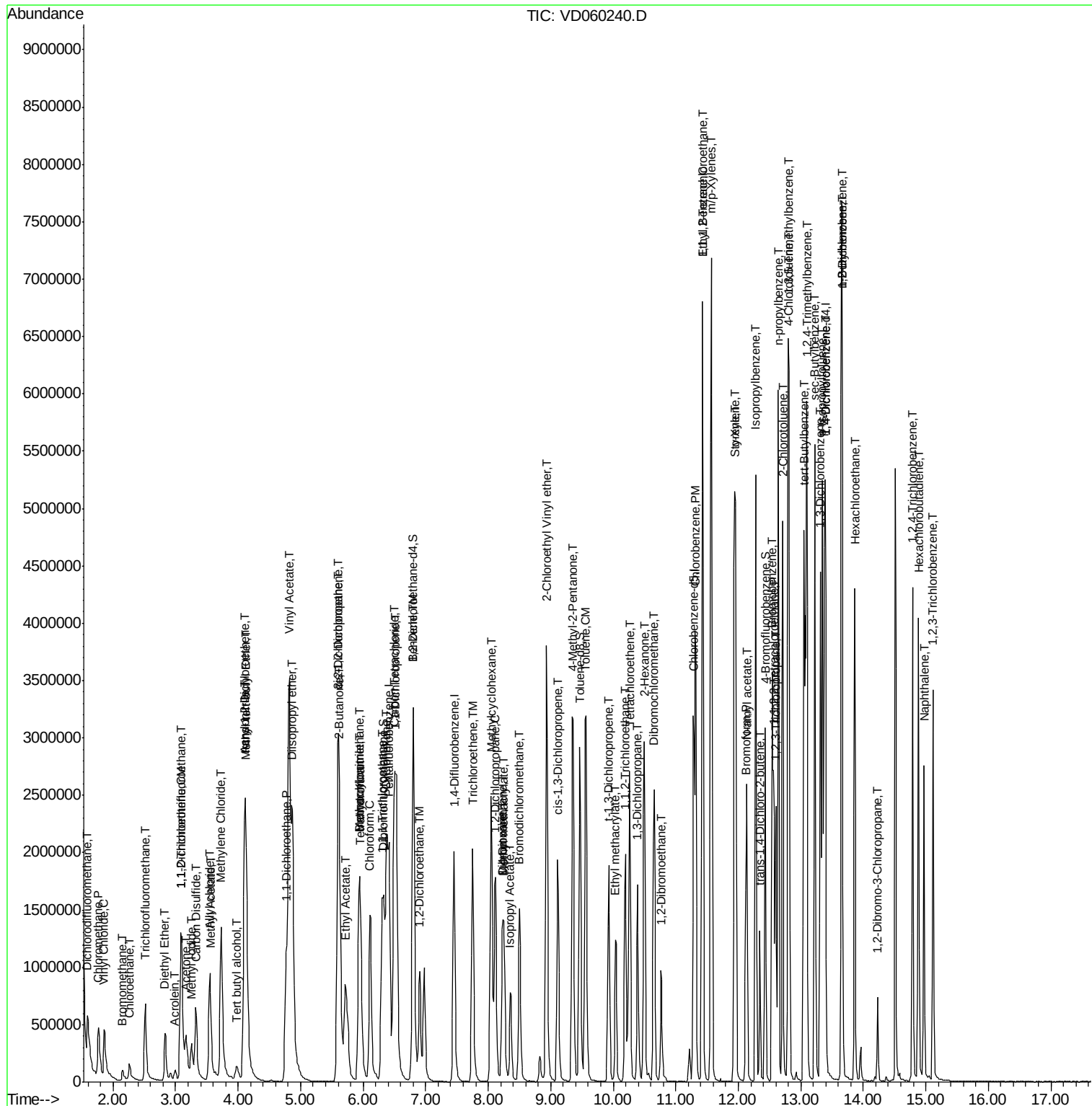
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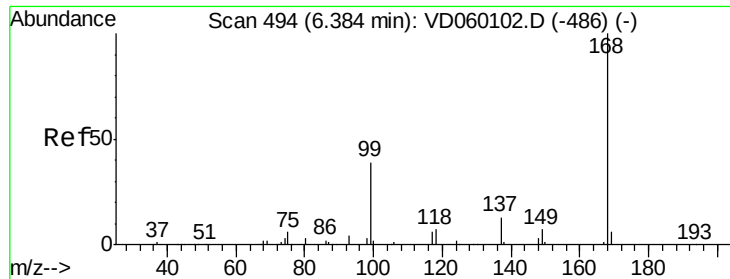
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1607605

Ion Ratio Lower Upper

168 100

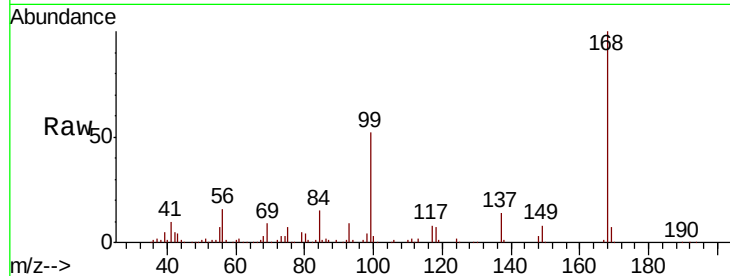
99 51.5 35.4 53.0

Manual Integrations

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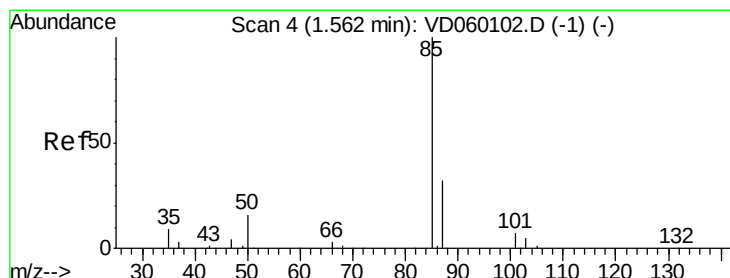
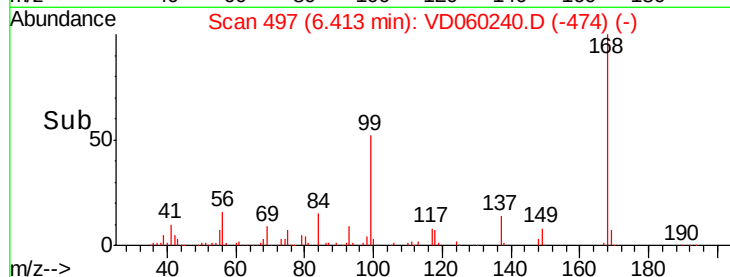
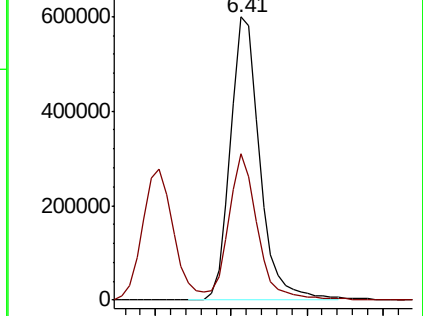
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.596 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060240.D

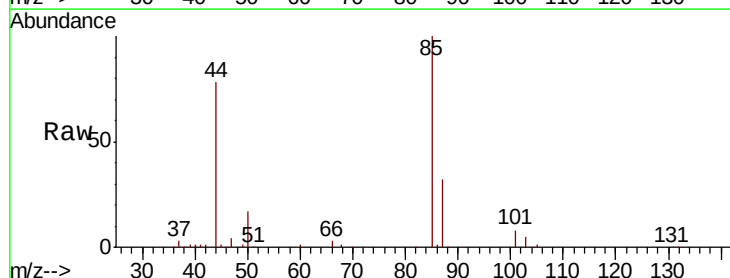
Acq: 31 Oct 2018 14:06

Tgt Ion: 85 Resp: 704633

Ion Ratio Lower Upper

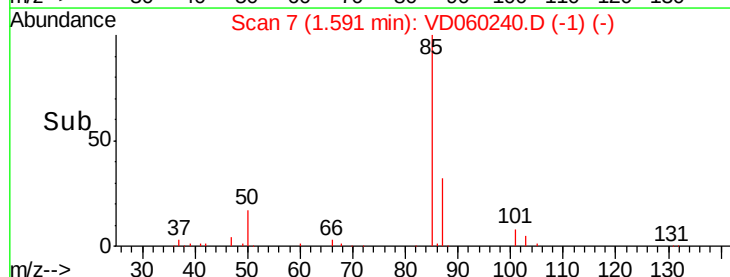
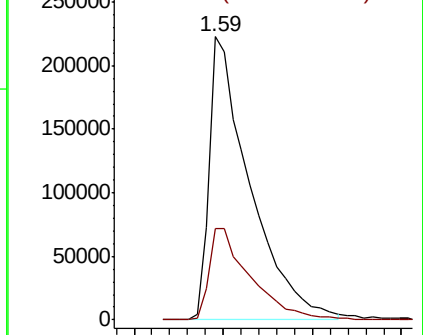
85 100

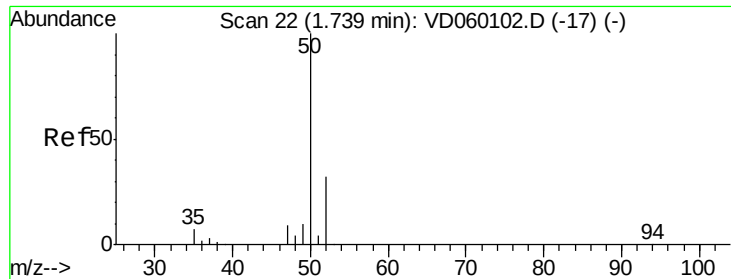
87 32.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.973 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 708701

Ion Ratio Lower Upper

50 100

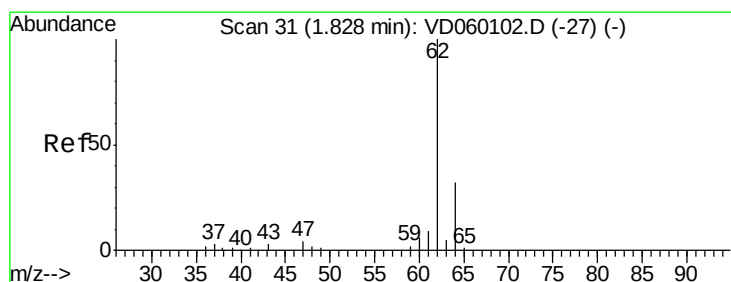
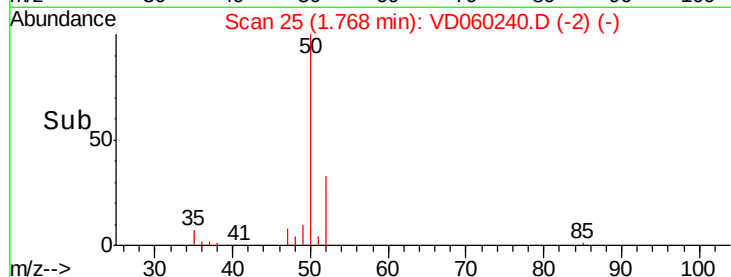
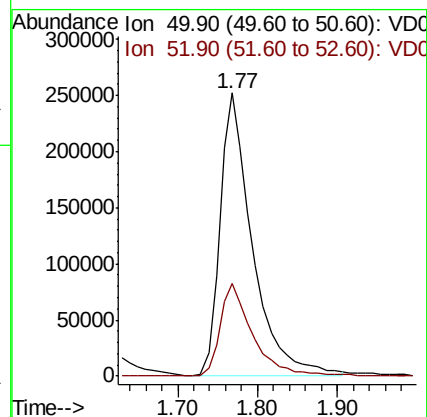
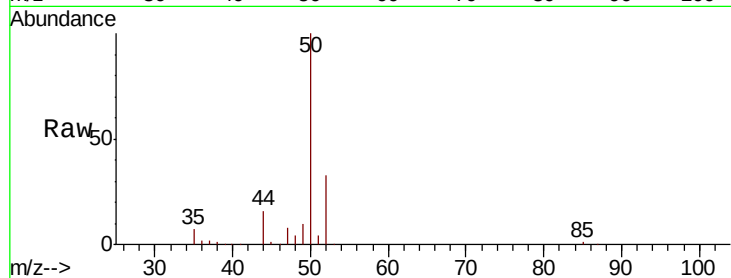
52 32.7 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.476 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060240.D

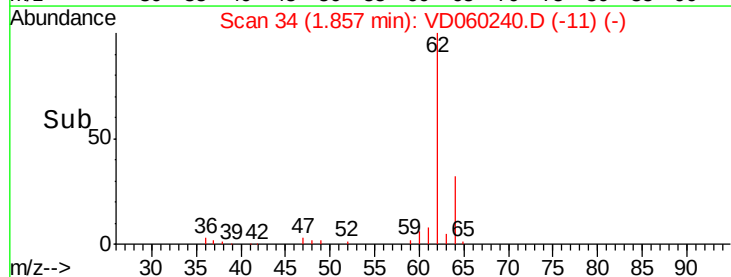
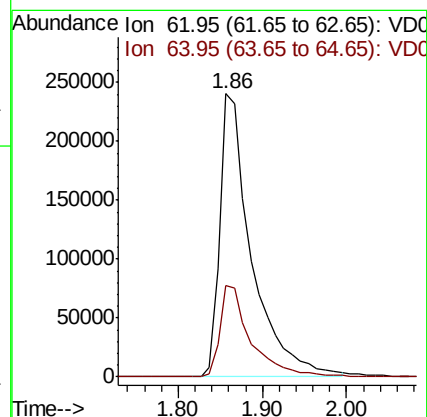
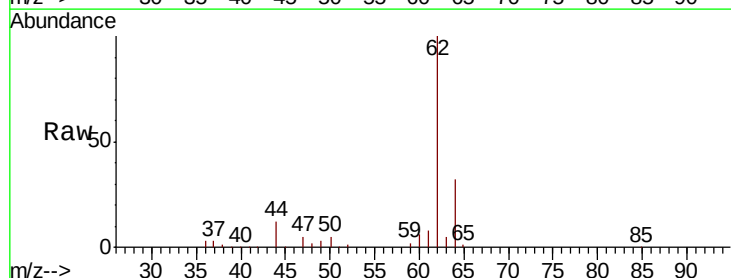
Acq: 31 Oct 2018 14:06

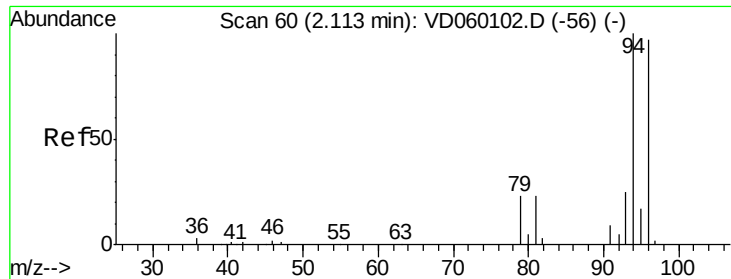
Tgt Ion: 62 Resp: 630242

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 64.507 ug/l

RT: 2.15 min Scan# 64

Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90388

Ion Ratio Lower Upper

94 100

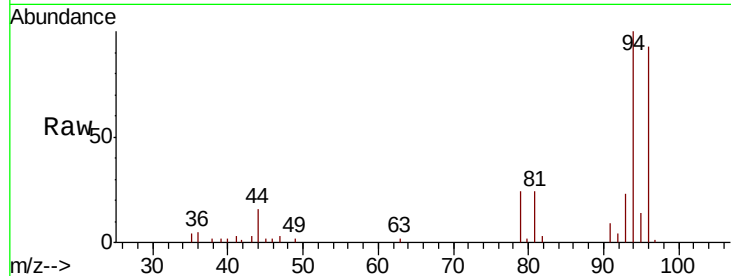
96 93.0 77.4 116.2

Manual Integrations

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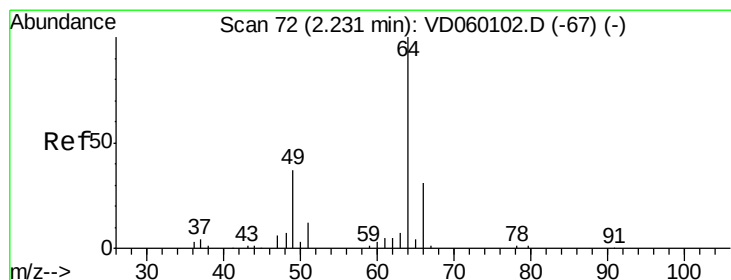
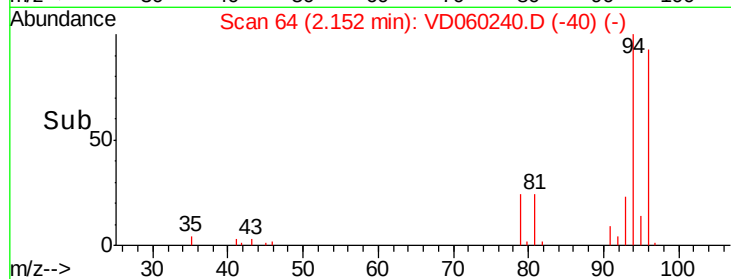
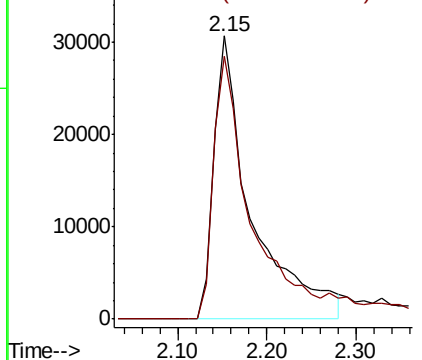
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.600 ug/l

RT: 2.26 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD060240.D

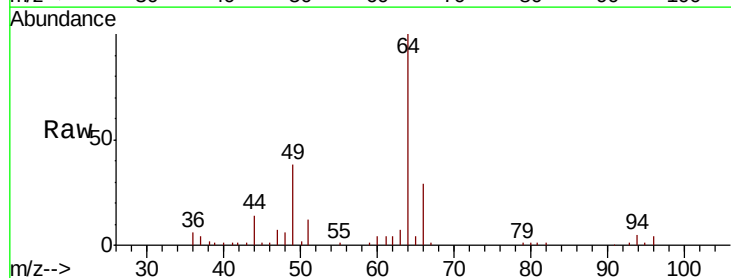
Acq: 31 Oct 2018 14:06

Tgt Ion: 64 Resp: 166270

Ion Ratio Lower Upper

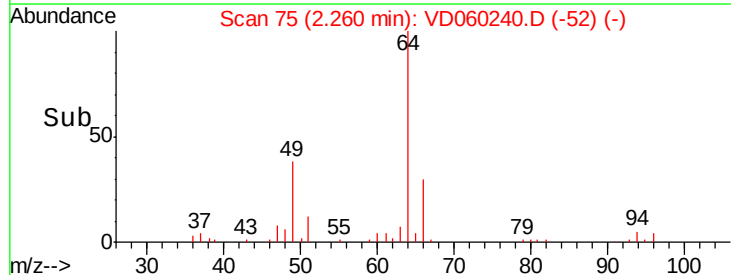
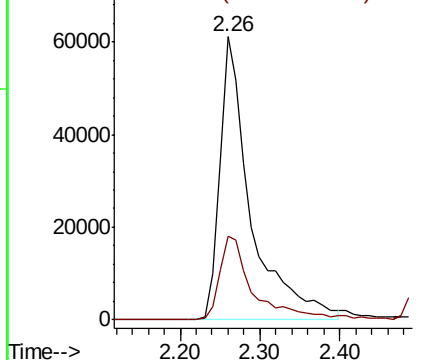
64 100

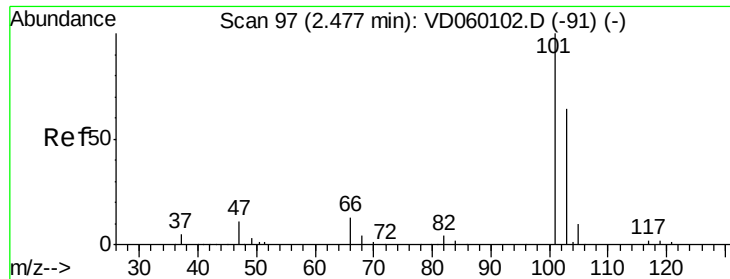
66 29.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

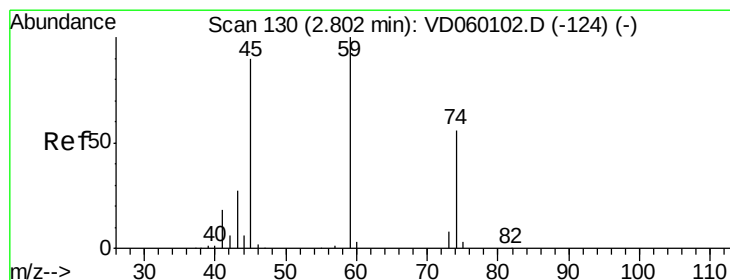
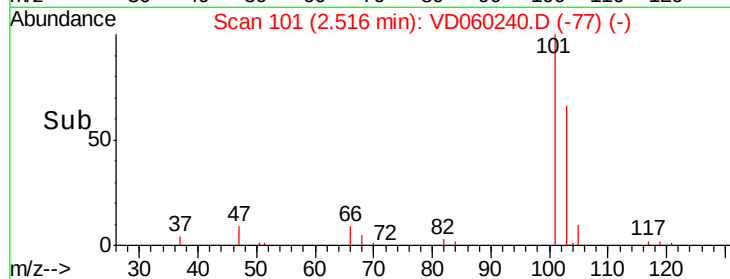
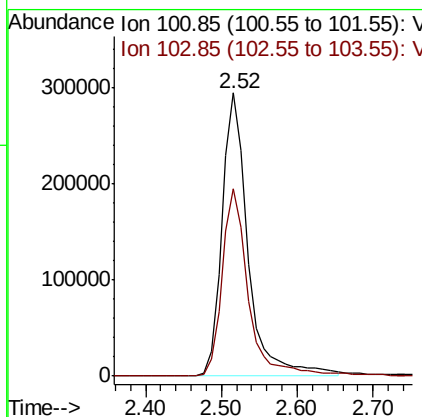
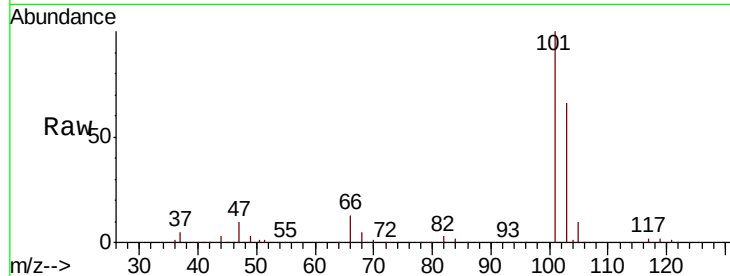
Trichlorofluoromethane
Concen: 52.531 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

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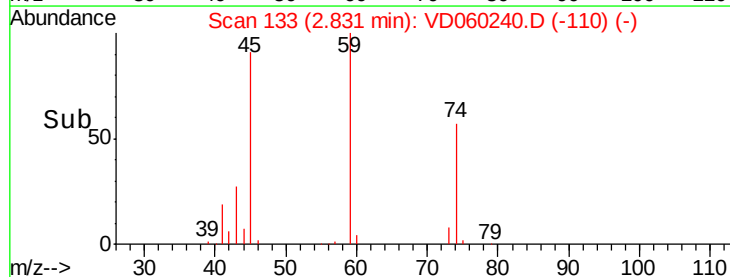
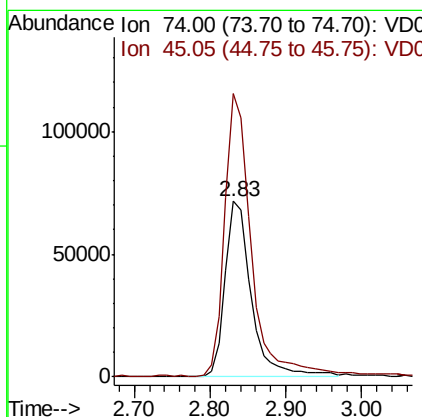
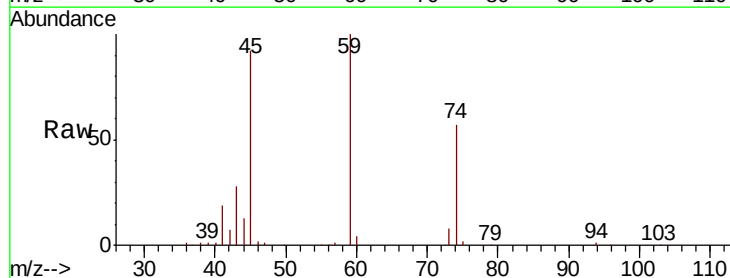
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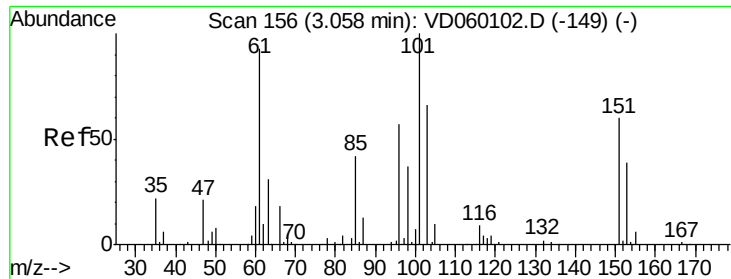


#8

Diethyl Ether
Concen: 62.937 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	161.5	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.446 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

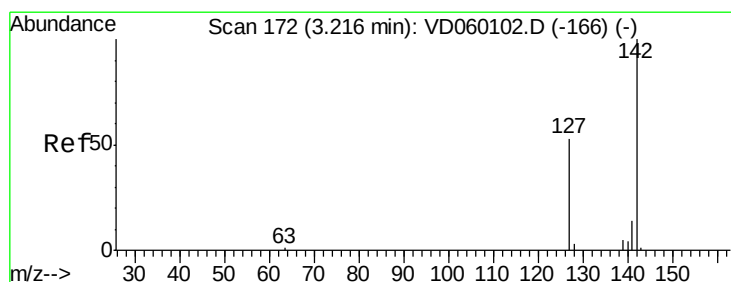
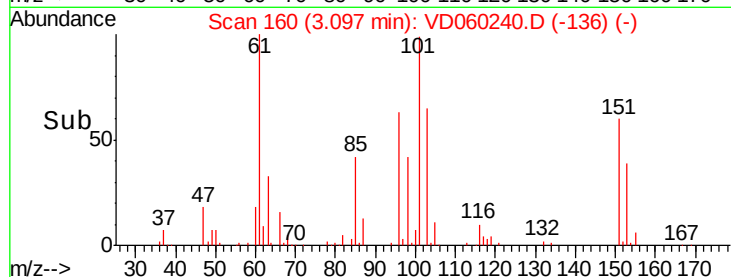
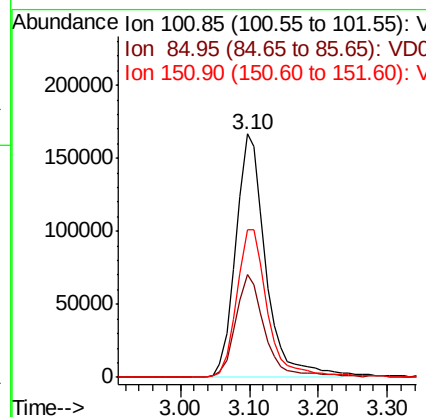
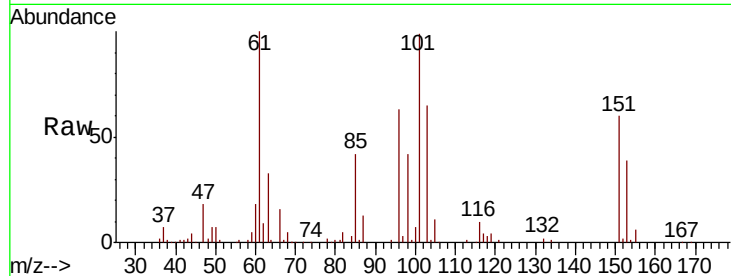
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	503169
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	60.4	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 58.777 ug/l

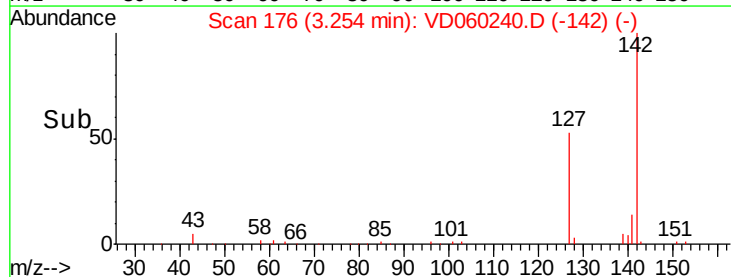
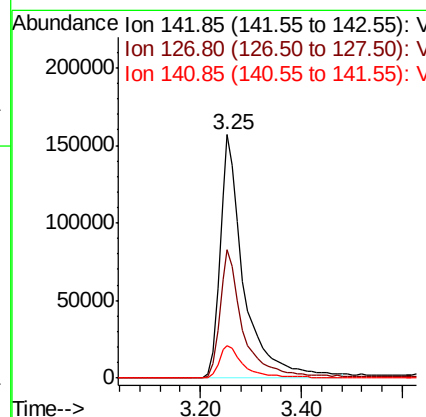
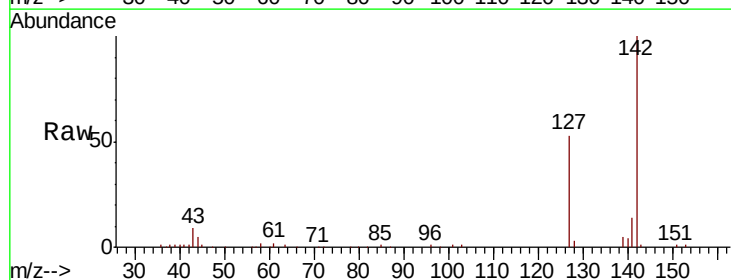
RT: 3.25 min Scan# 176

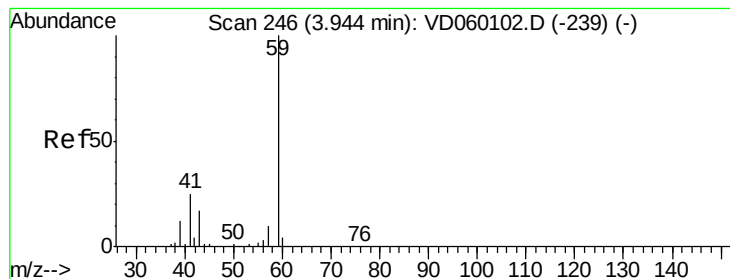
Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tgt Ion:	142	Resp:	518860
Ion Ratio	Lower	Upper	
142	100		
127	52.8	42.0	63.0
141	13.6	11.4	17.0





#11

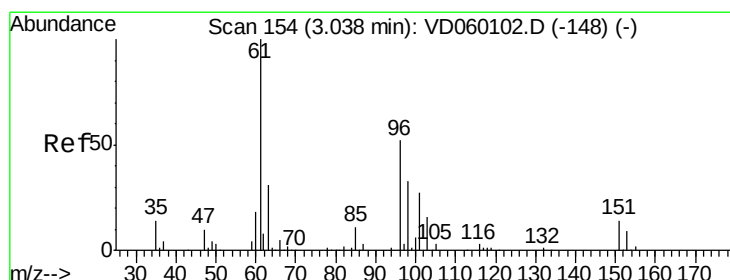
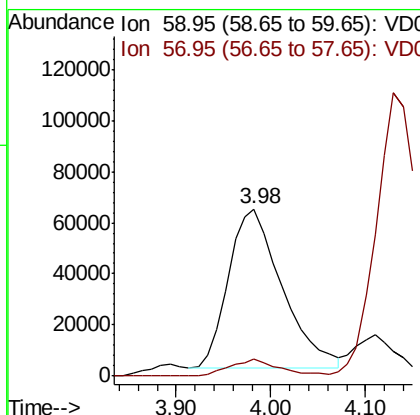
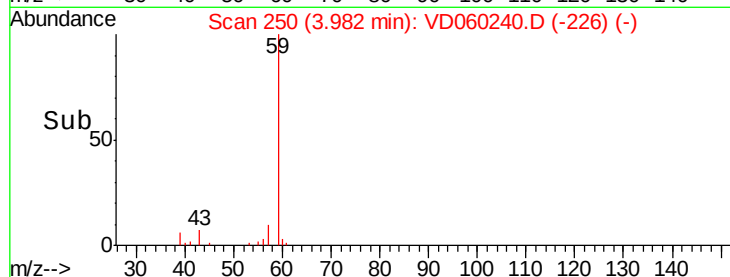
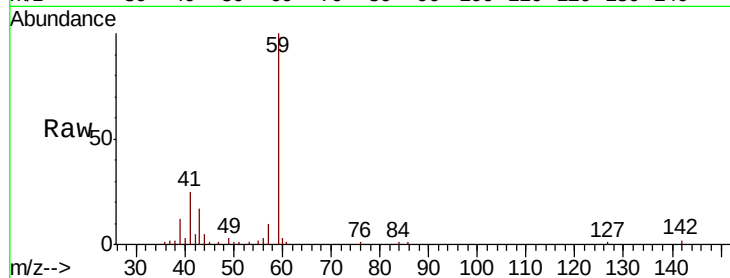
Tert butyl alcohol
 Concen: 280.829 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 245432
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.6

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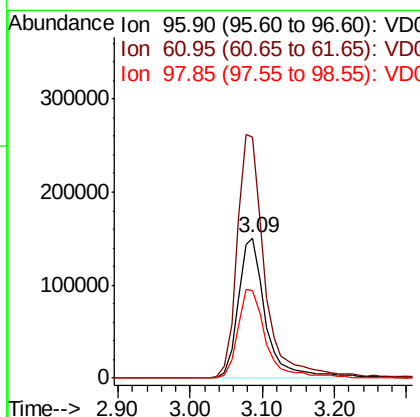
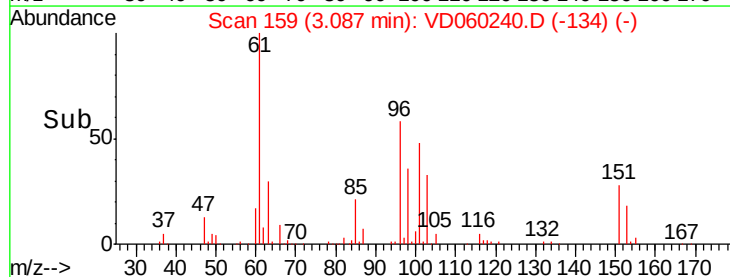
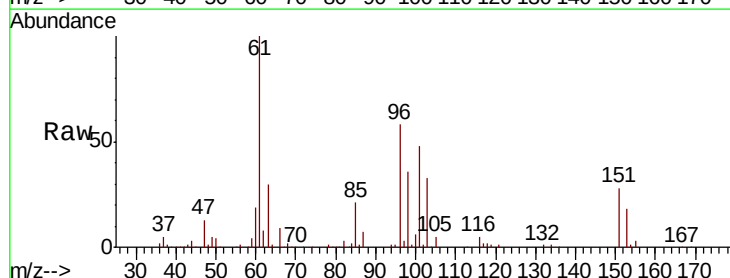
MMDadoda
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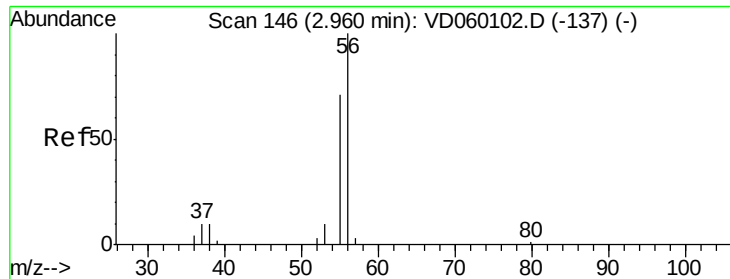


#12

1,1-Dichloroethene
 Concen: 60.506 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.05 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion: 96 Resp: 396790
 Ion Ratio Lower Upper
 96 100
 61 171.3 153.0 229.4
 98 61.9 51.1 76.7





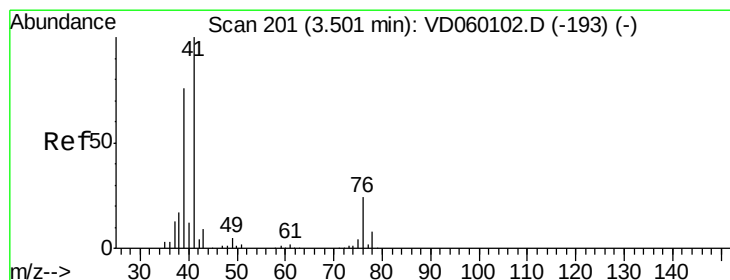
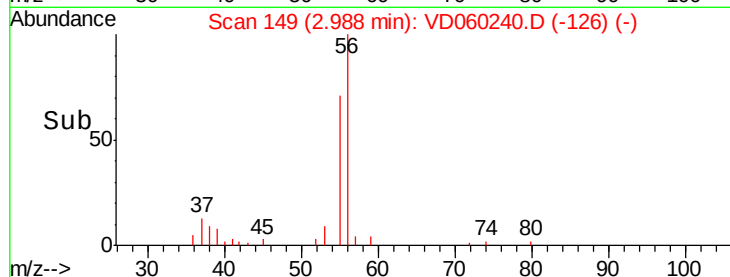
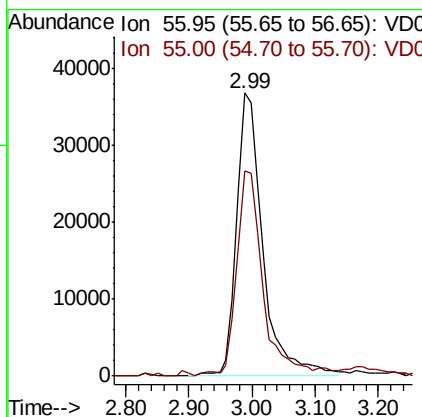
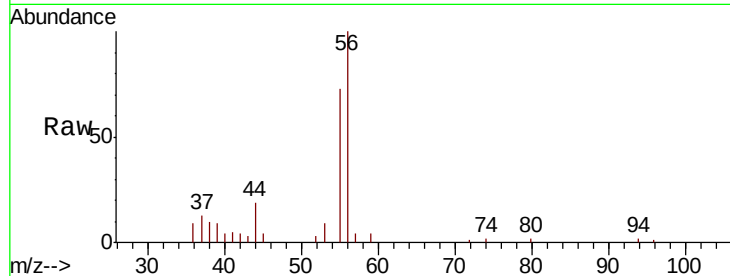
#13
Acrolein
Concen: 196.692 ug/l
RT: 2.99 min Scan# 149
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.5	57.4	86.2

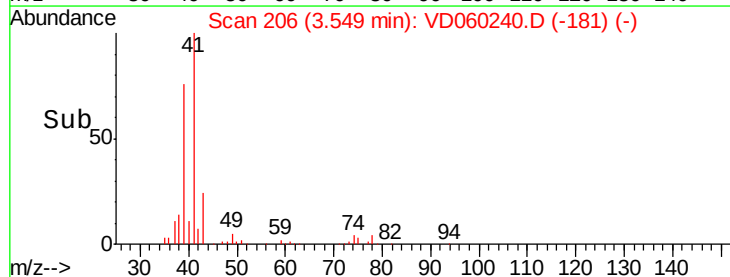
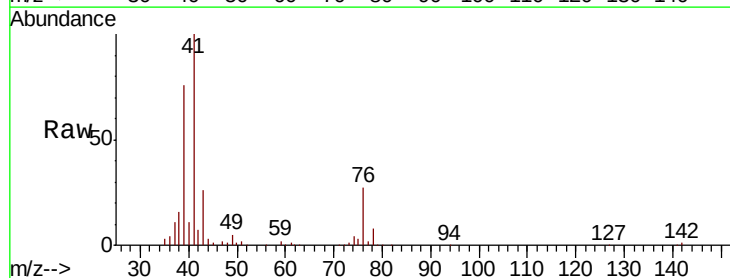
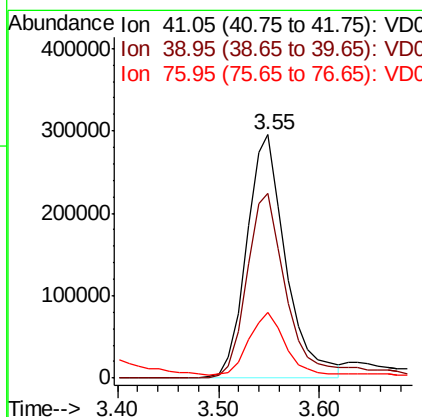
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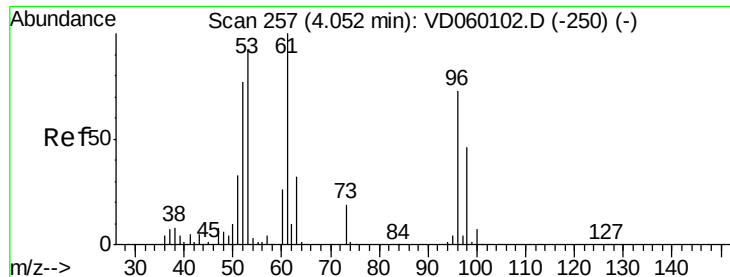
MMDadoda
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#14
Allyl chloride
Concen: 58.152 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.05 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.0	60.6	90.8
76	27.2	21.3	31.9





#15

Acrylonitrile

Concen: 284.923 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.05 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1030682

Ion Ratio Lower Upper

53 100

52 84.3 67.5 101.3

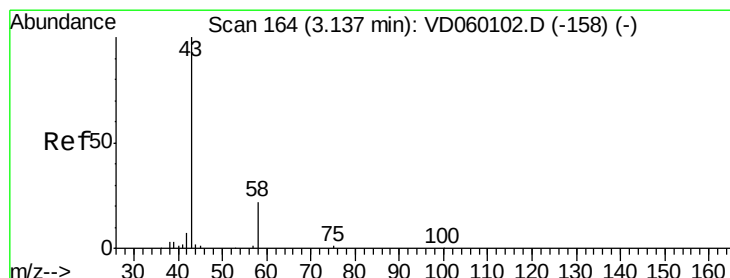
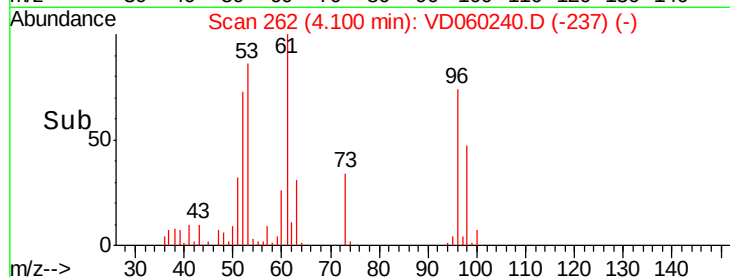
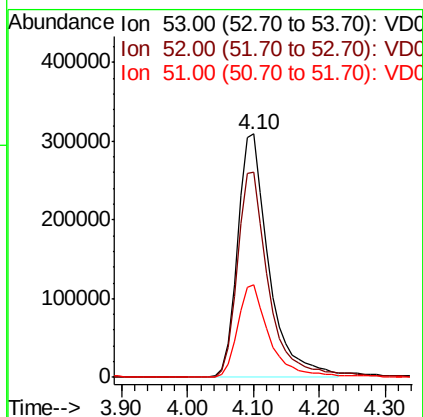
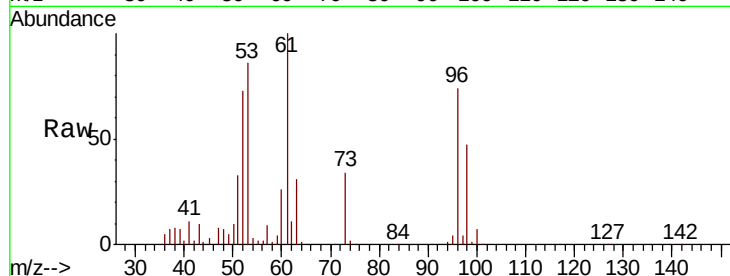
51 38.0 29.3 43.9

Manual Integrations

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#16

Acetone

Concen: 333.296 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060240.D

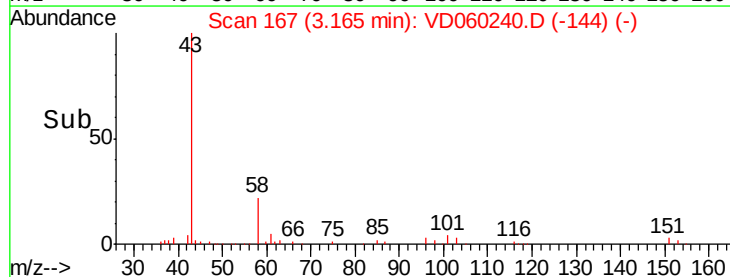
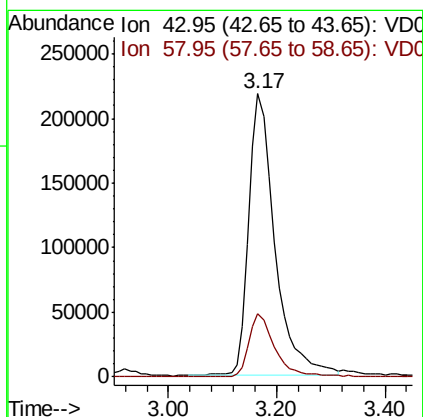
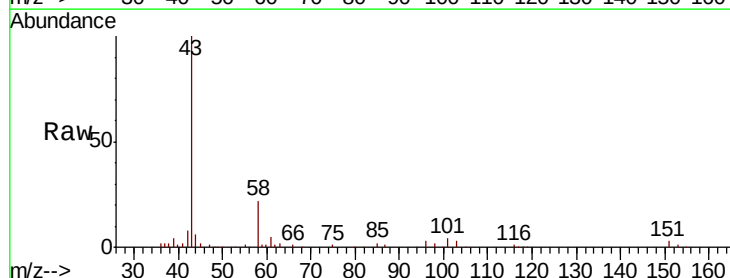
Acq: 31 Oct 2018 14:06

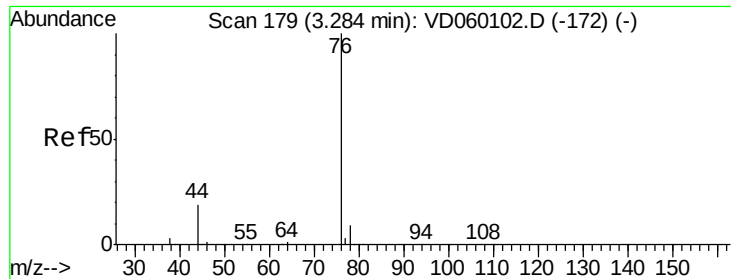
Tgt Ion: 43 Resp: 736975

Ion Ratio Lower Upper

43 100

58 22.1 17.7 26.5





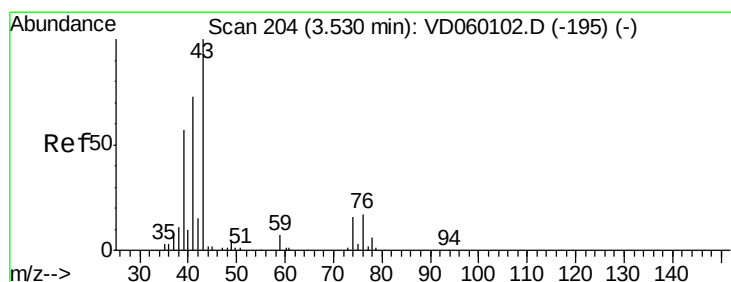
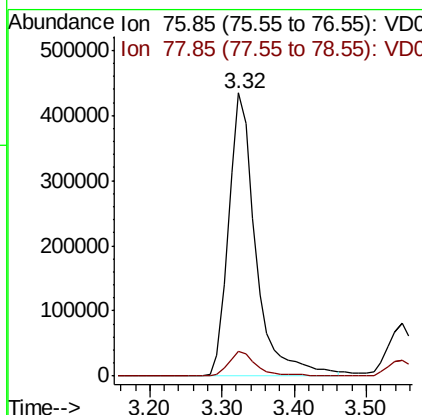
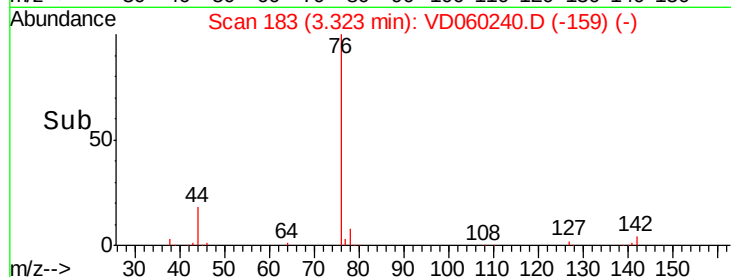
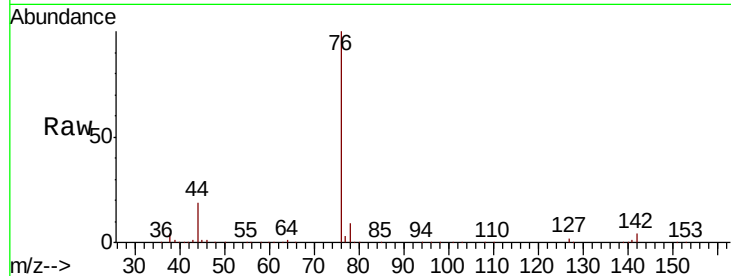
#17
Carbon Disulfide
Concen: 51.608 ug/l
RT: 3.32 min Scan# 183
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1138094
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

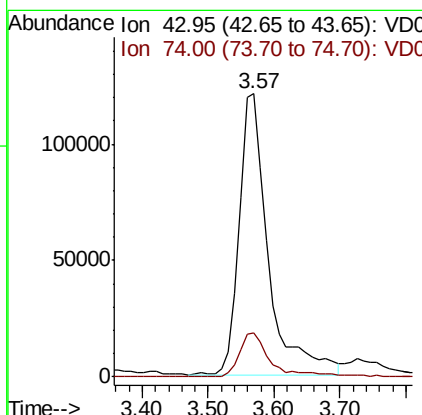
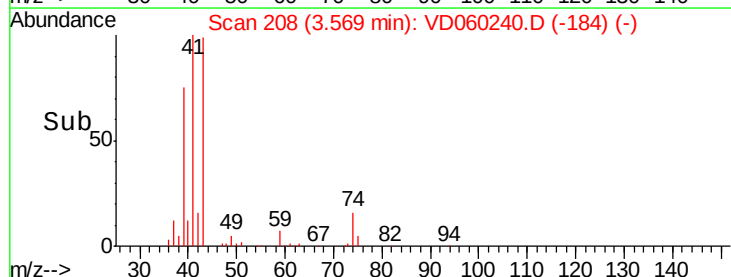
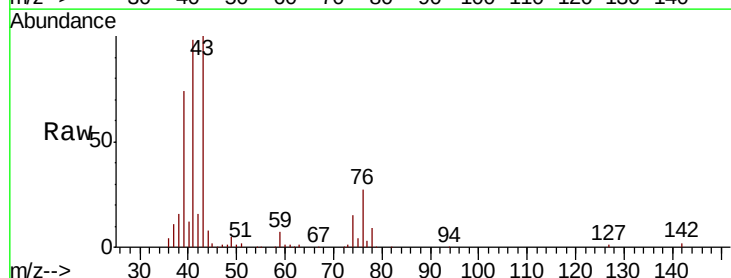
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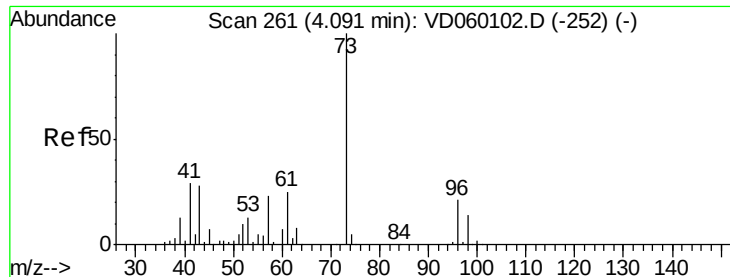
MMDadoda
11/1/2018 11:59:27 AM



#18
Methyl Acetate
Concen: 78.596 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 43 Resp: 373530
Ion Ratio Lower Upper
43 100
74 15.5 12.6 19.0





#19

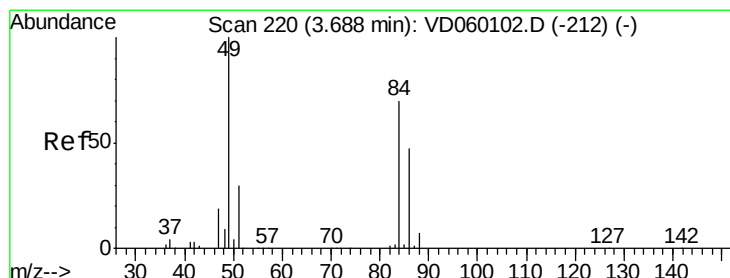
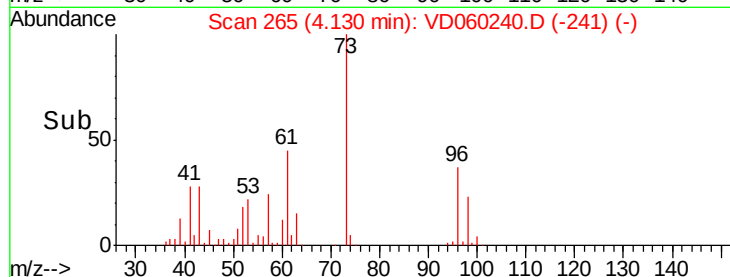
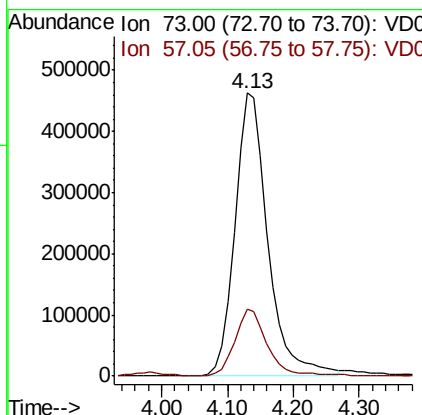
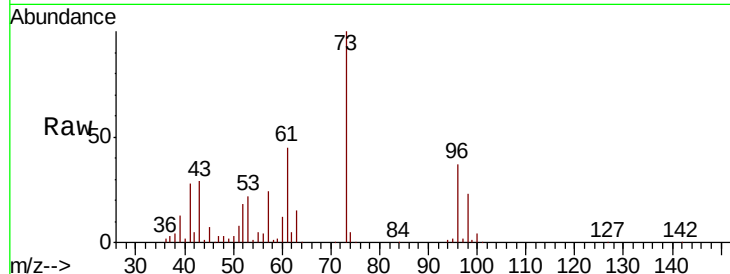
Methyl tert-butyl Ether
 Concen: 56.116 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

Tot Ion: 73 Resp: 1617997
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.7 28.1

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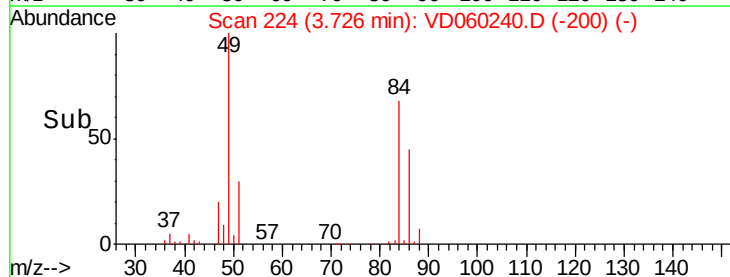
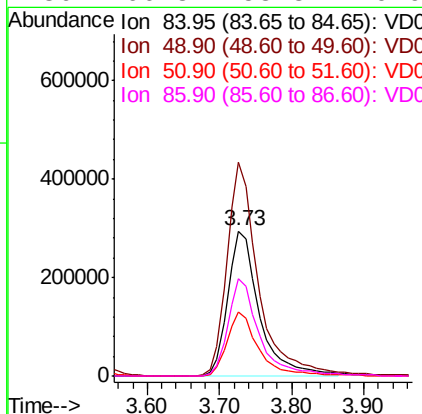
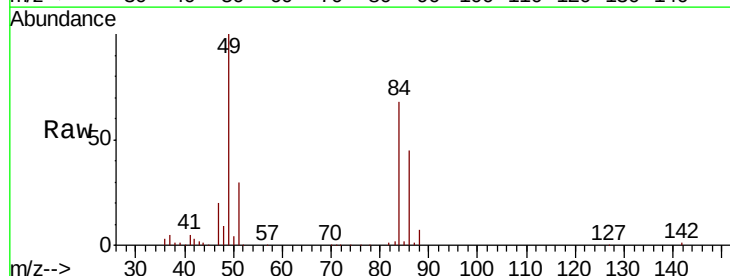
MMDadoda
 11/1/2018 11:59:27 AM

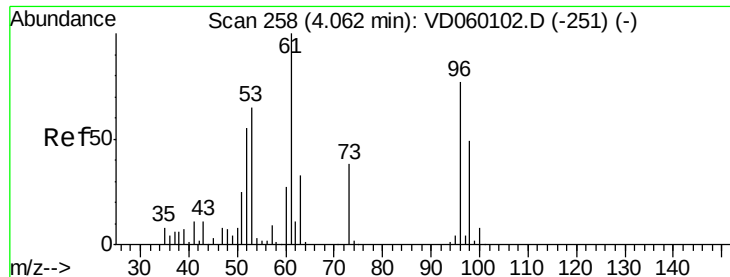


#20

Methylene Chloride
 Concen: 51.823 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion: 84 Resp: 899240
 Ion Ratio Lower Upper
 84 100
 49 147.5 114.6 172.0
 51 44.3 33.8 50.8
 86 66.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 51.388 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.05 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 870359

Ion Ratio Lower Upper

96 100

61 136.0 103.3 154.9

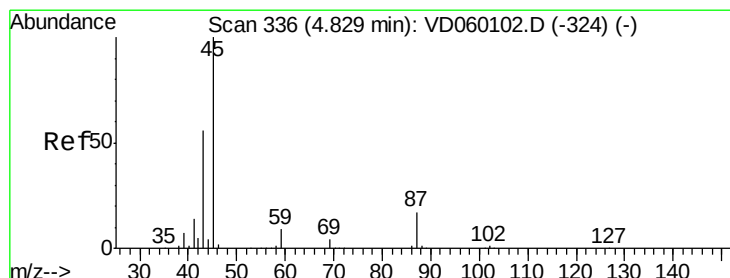
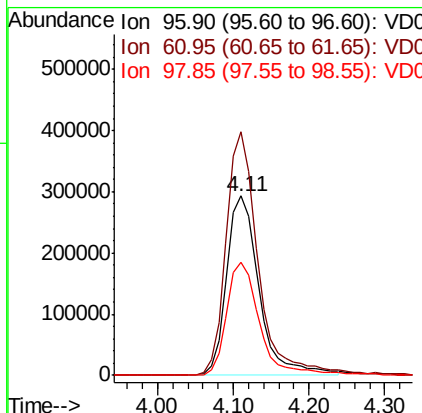
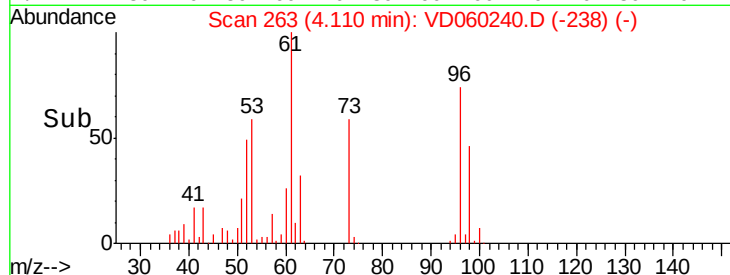
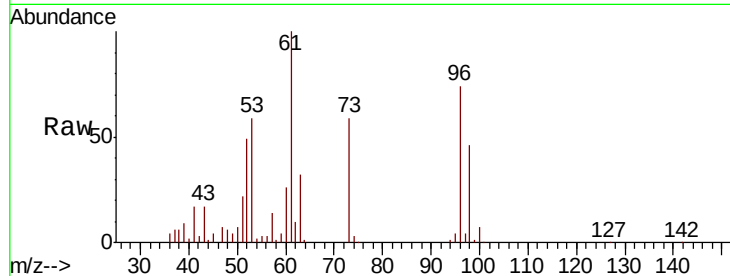
98 63.0 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.580 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tgt Ion: 45 Resp: 3380728

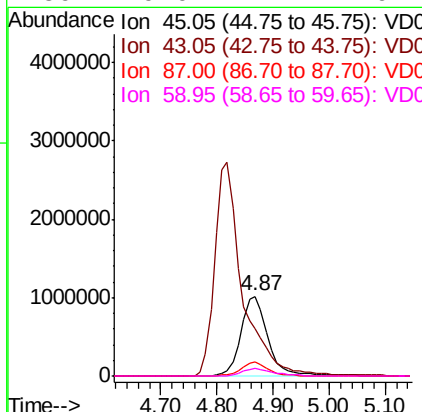
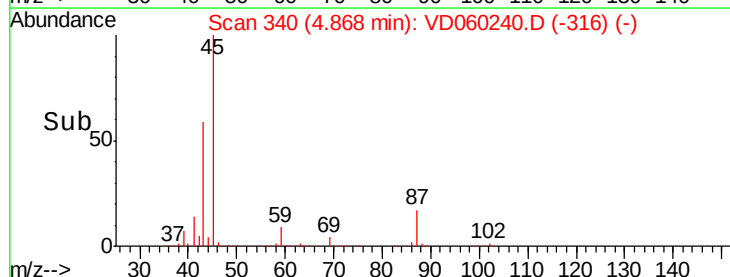
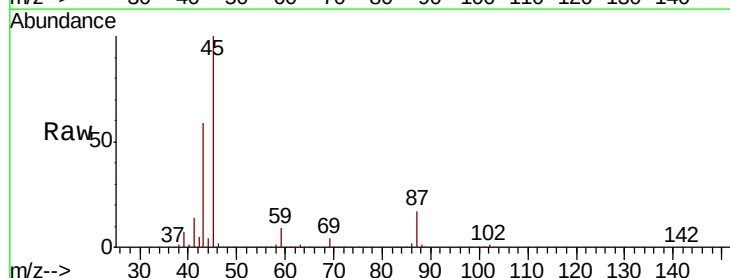
Ion Ratio Lower Upper

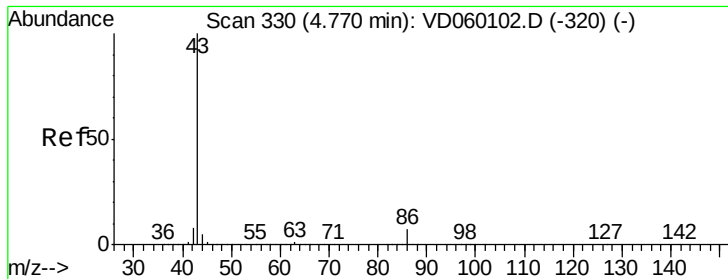
45 100

43 59.1 44.8 67.2

87 17.1 13.9 20.9

59 9.0 7.1 10.7





#23

Vinyl Acetate

Concen: 271.318 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.05 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9276524

Ion Ratio Lower Upper

43 100

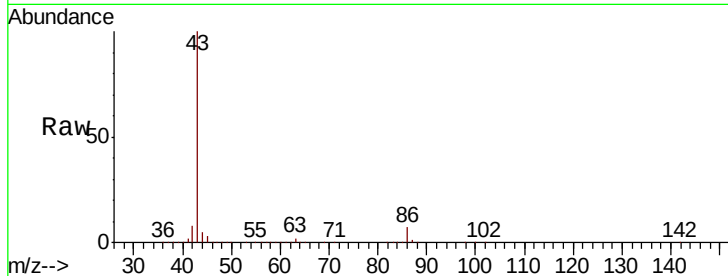
86 7.0 5.6 8.4

Manual Integrations

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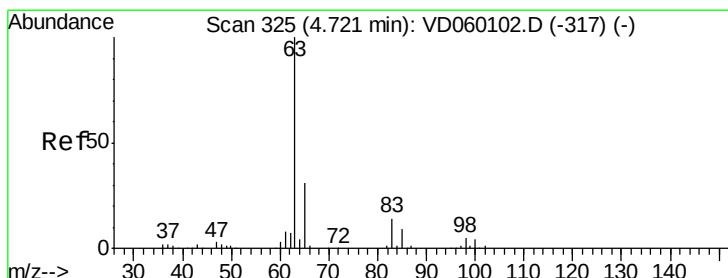
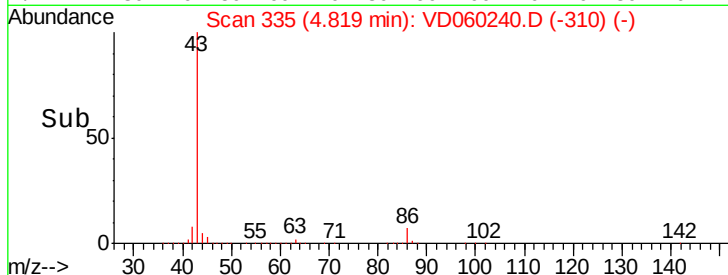
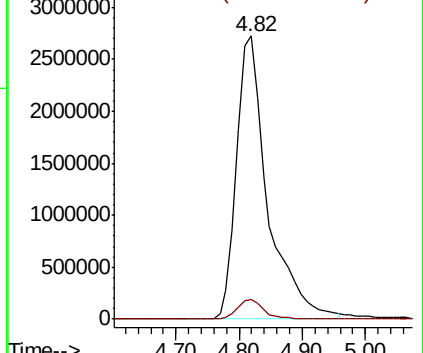
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.990 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.05 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

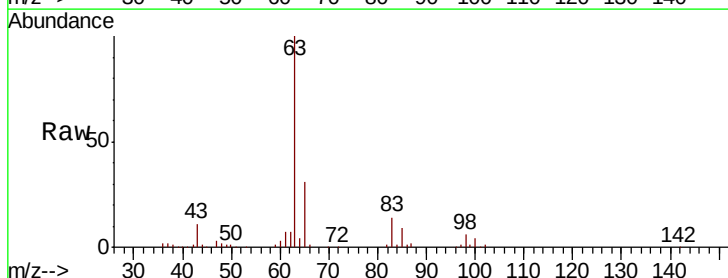
Tgt Ion: 63 Resp: 1544163

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

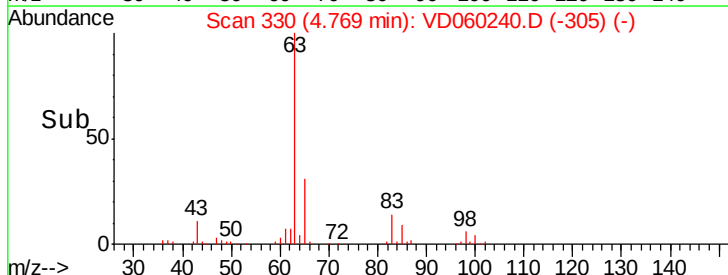
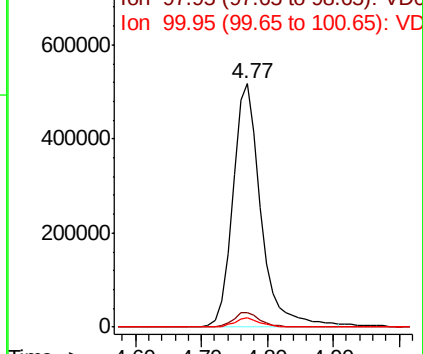
100 3.9 1.8 5.3

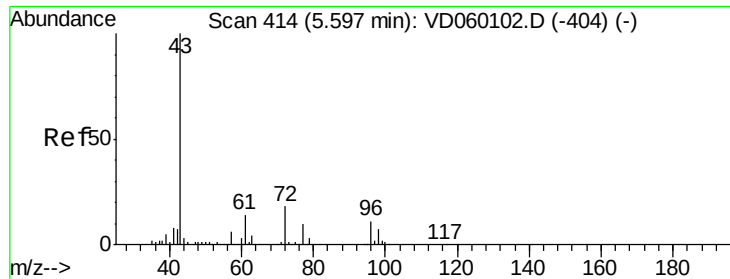


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 296.362 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1637118

Ion Ratio Lower Upper

43 100

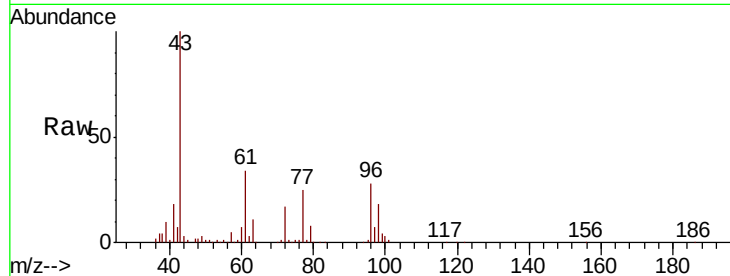
72 16.9 14.5 21.7

Manual Integrations

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11/1/2018 11:59:27 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

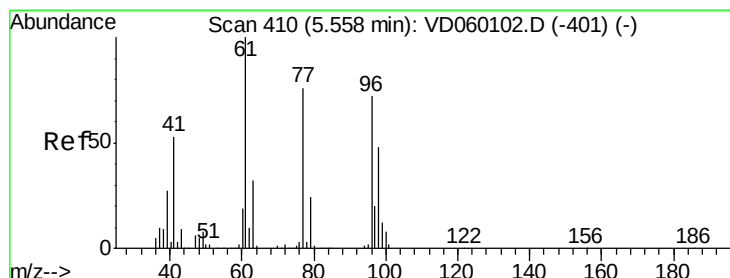
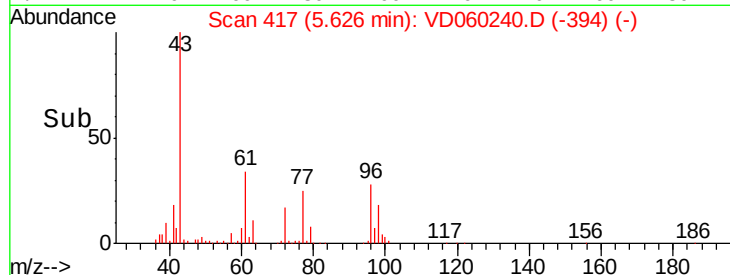
400000

200000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 58.370 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.04 min

Lab File: VD060240.D

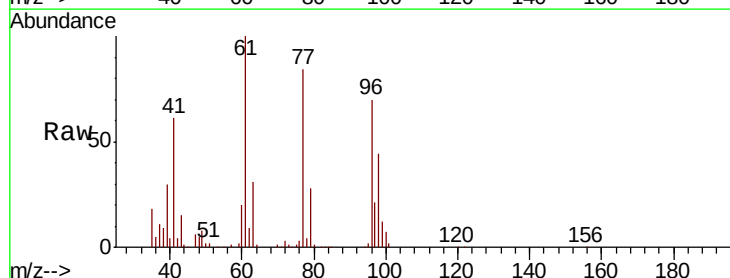
Acq: 31 Oct 2018 14:06

Tgt Ion: 77 Resp: 1220359

Ion Ratio Lower Upper

77 100

97 25.2 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

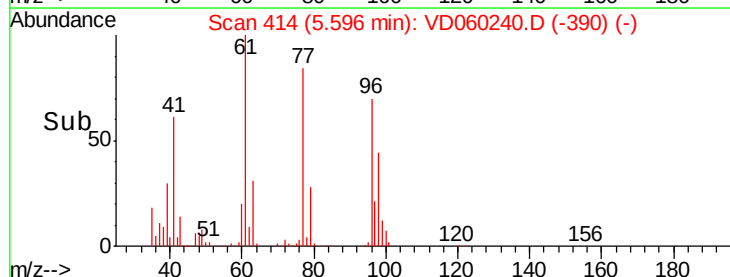
200000

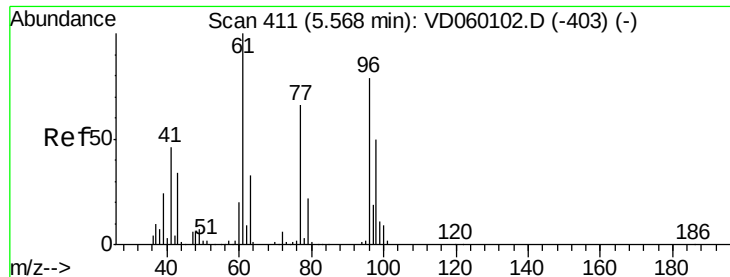
100000

0

5.50 5.60 5.70 5.80

Time-->





#27

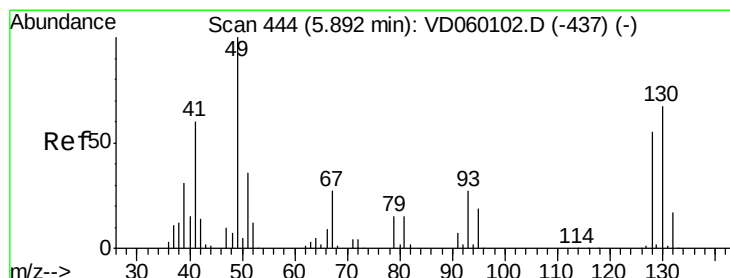
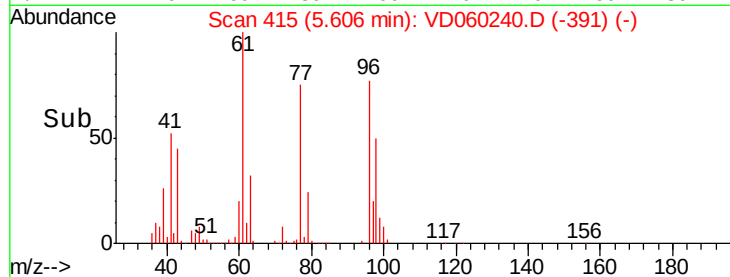
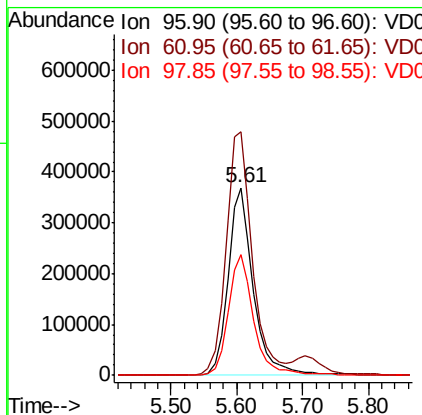
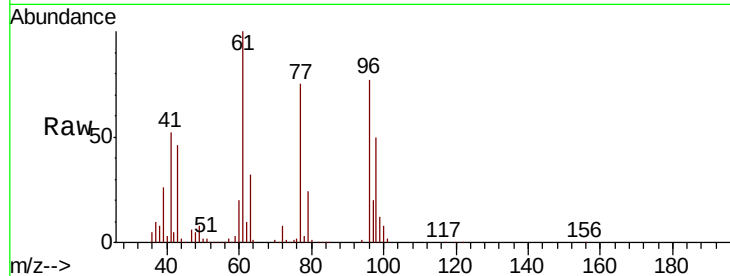
cis-1,2-Dichloroethene
 Concen: 54.769 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	251.8	
98	64.4	0.0	125.2	

Manual Integrations
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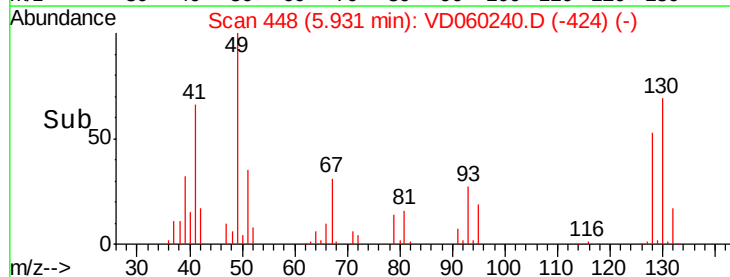
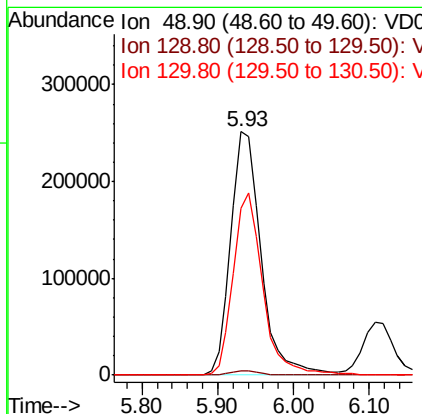
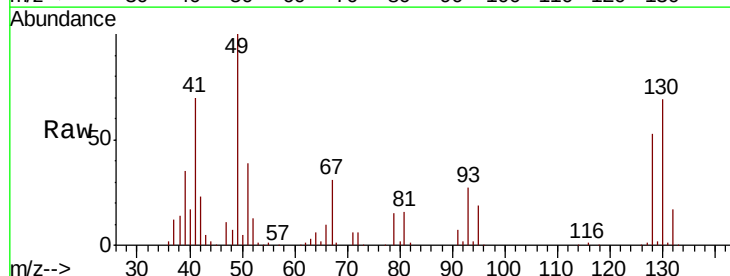
MMDadoda
 11/1/2018 11:59:27 AM

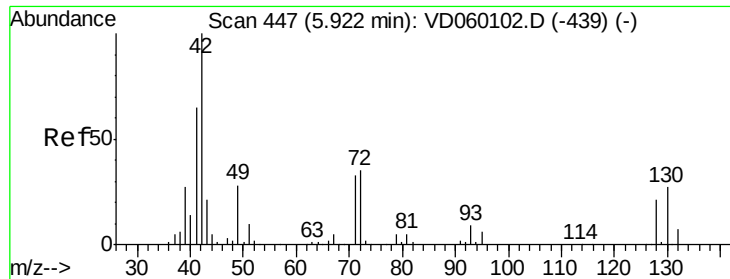


#28

Bromochloromethane
 Concen: 52.162 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	68.6	53.9	80.9	





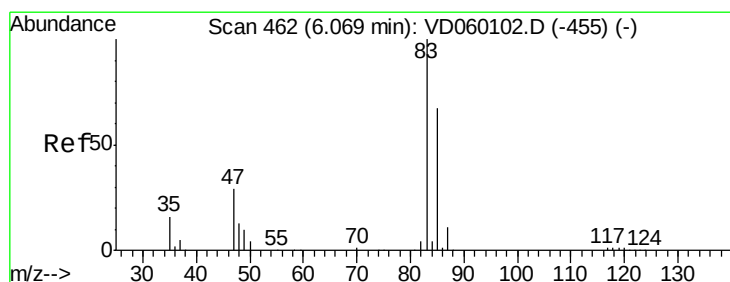
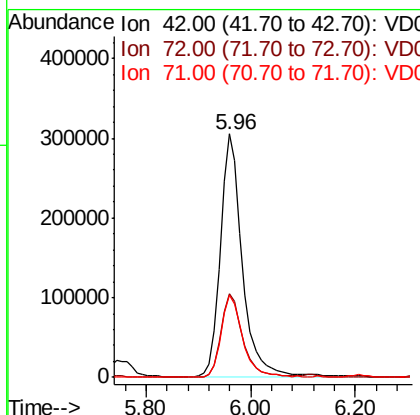
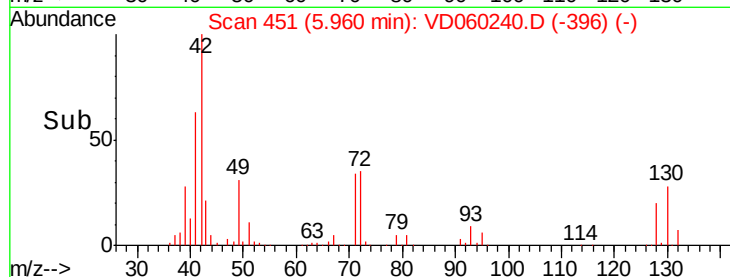
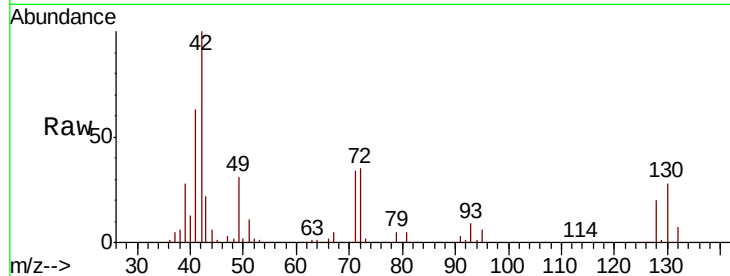
#29
Tetrahydrofuran
Concen: 276.176 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	33.5	26.7	40.1

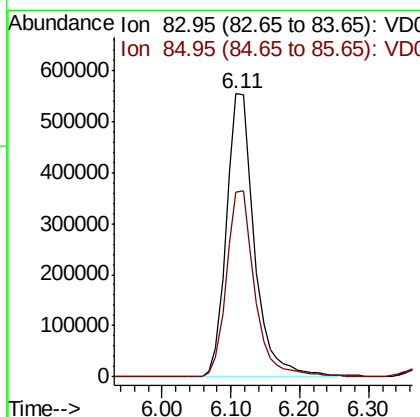
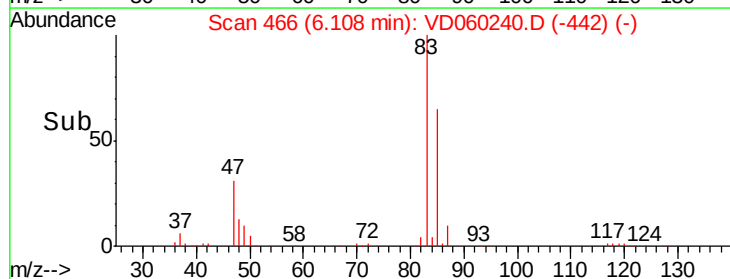
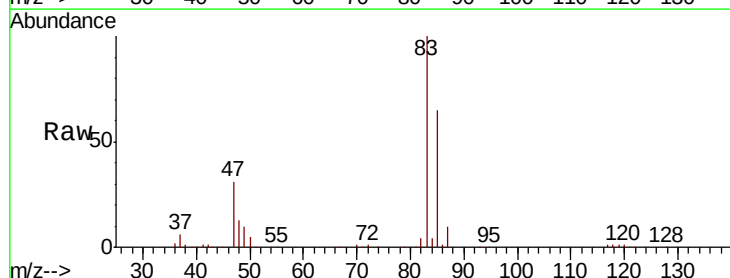
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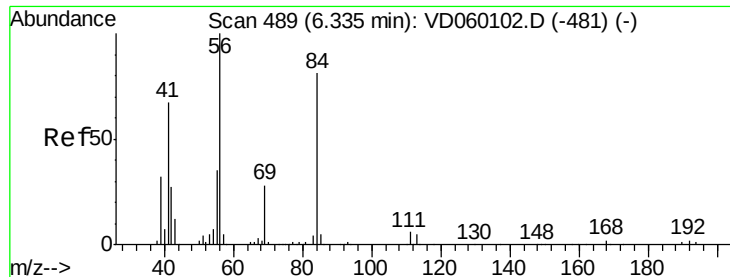
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#30
Chloroform
Concen: 55.852 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.8	80.8





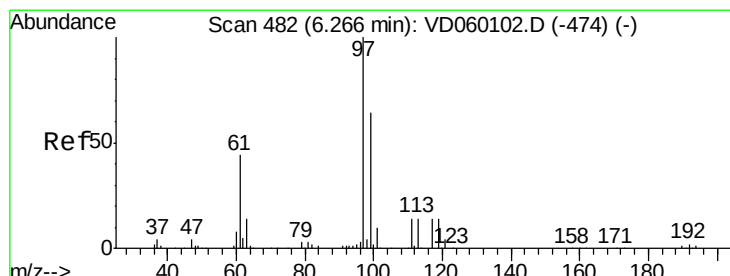
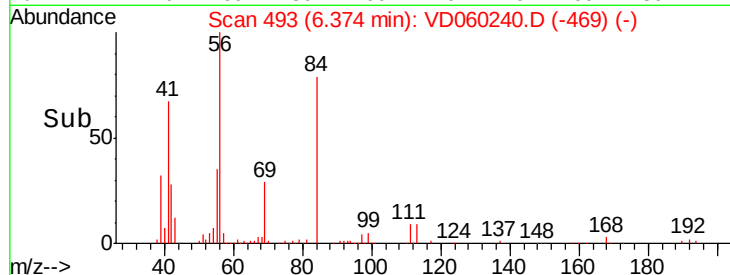
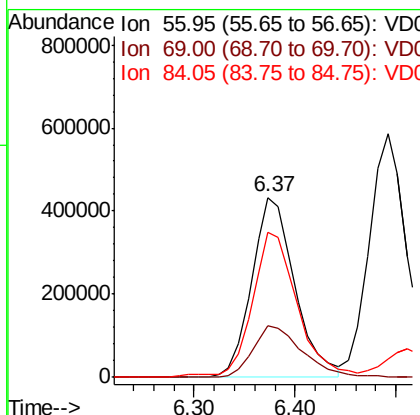
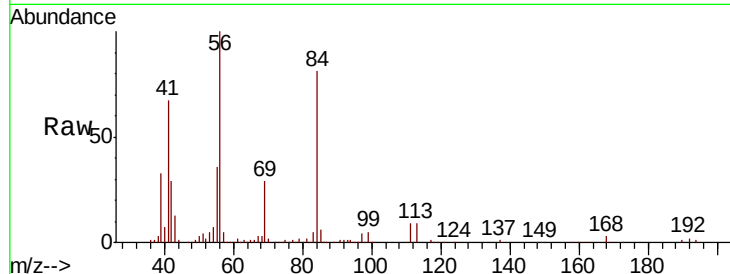
#31
Cyclohexane
Concen: 48.488 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1280100
Ion Ratio Lower Upper
56 100
69 28.7 22.8 34.2
84 80.5 64.9 97.3

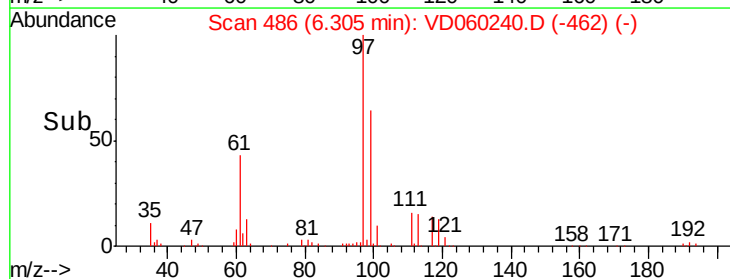
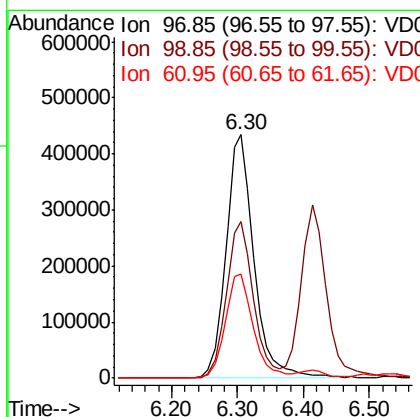
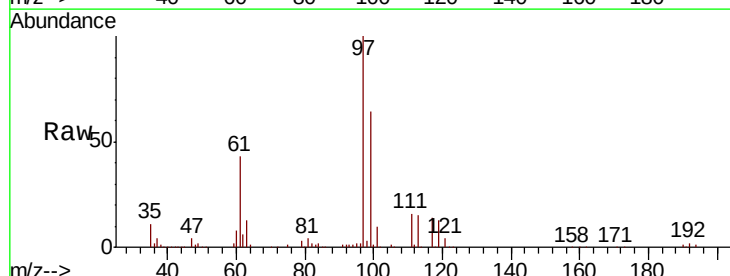
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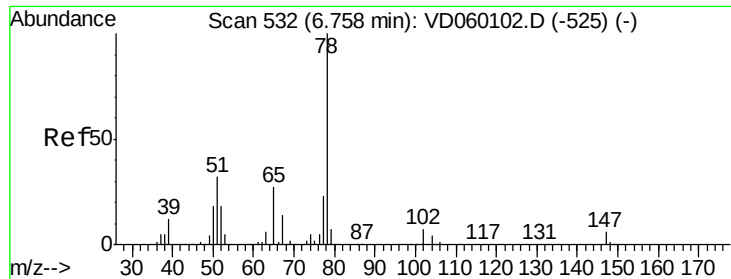
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 56.154 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 97 Resp: 1283456
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 42.9 35.5 53.3





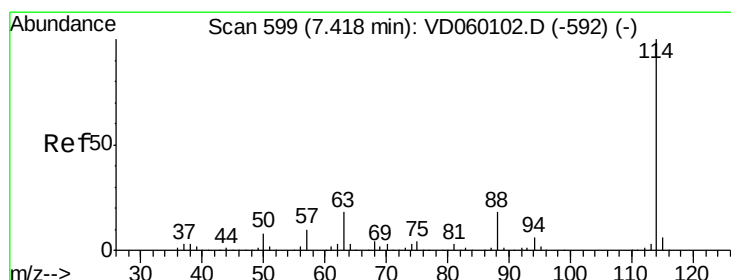
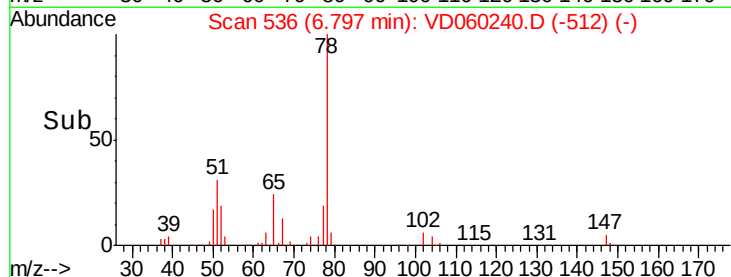
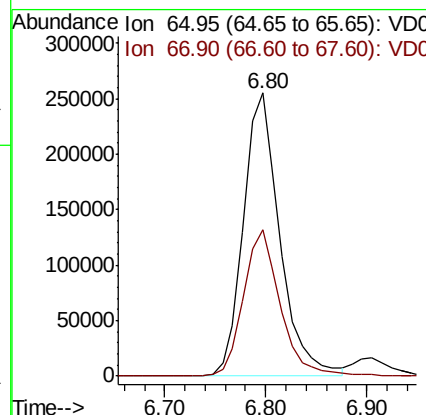
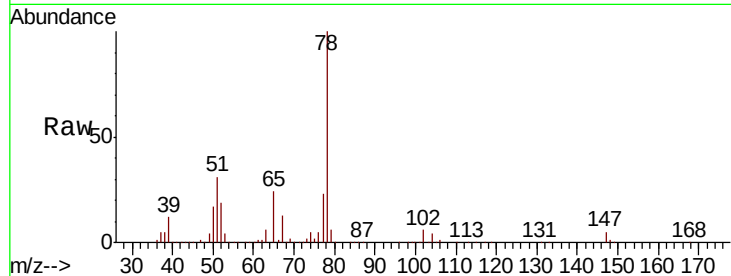
#33
 1,2-Dichloroethane-d4
 Concen: 56.154 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

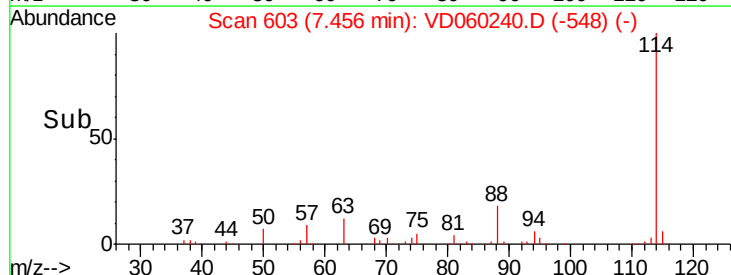
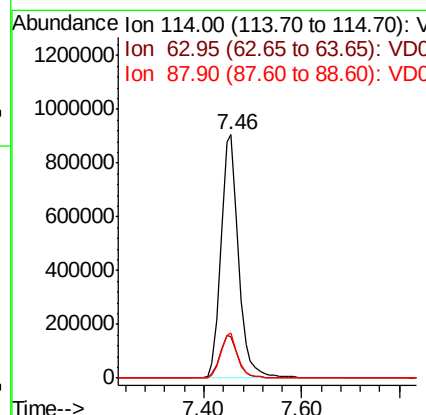
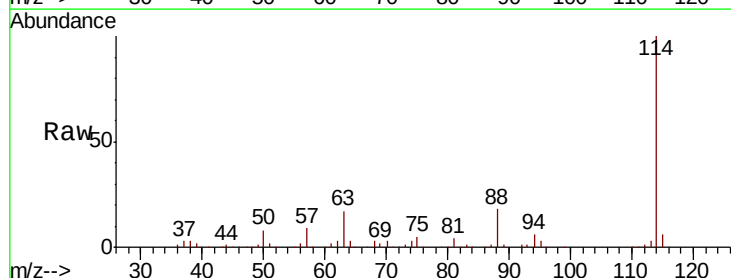
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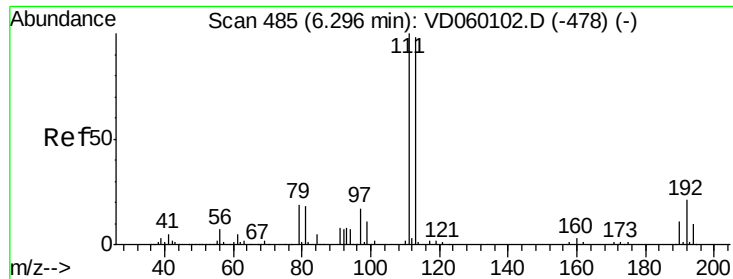
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.04 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	36.0
88	18.4	0.0	36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

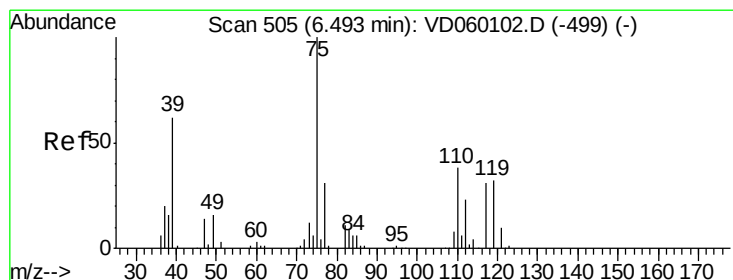
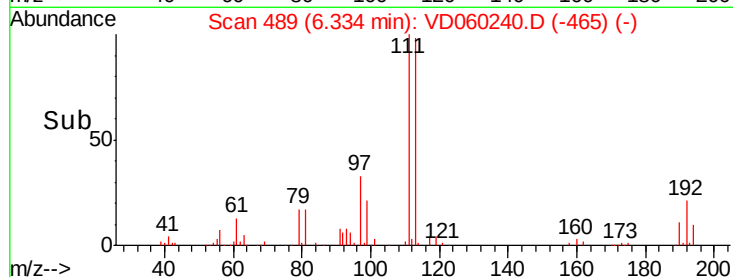
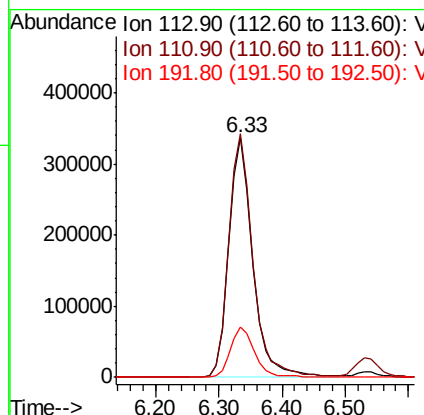
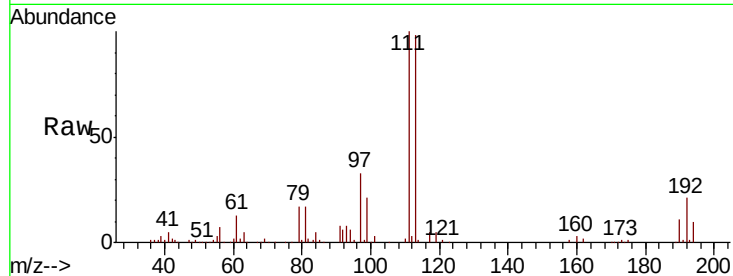
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	883599		
111	101.8		81.5	122.3
192	21.1		17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.442 ug/l

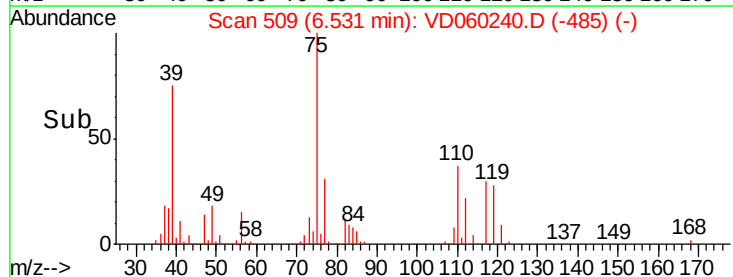
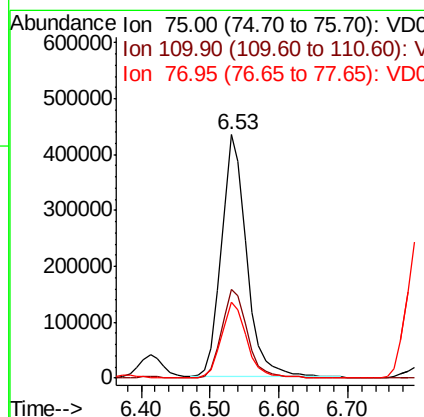
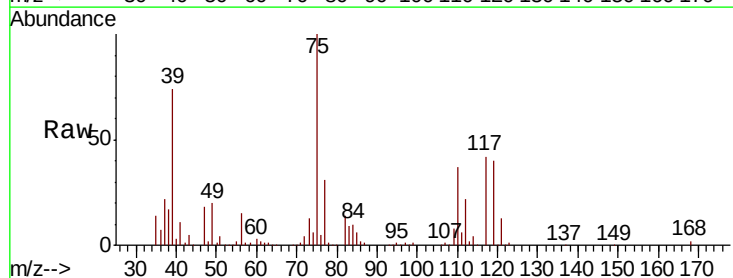
RT: 6.53 min Scan# 509

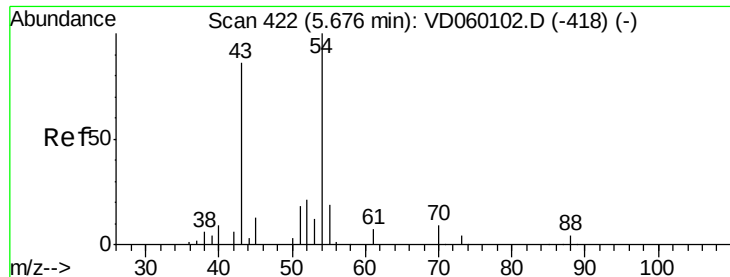
Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1098965		
110	36.7		19.0	57.0
77	31.1		24.9	37.3





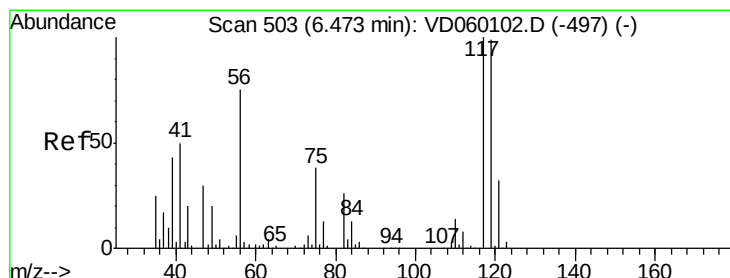
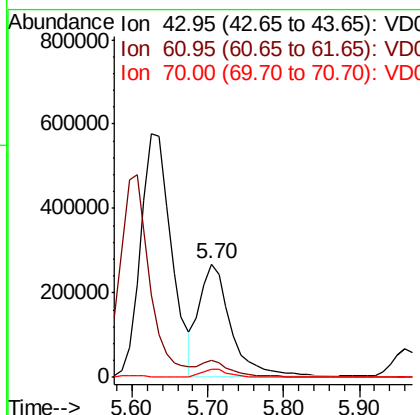
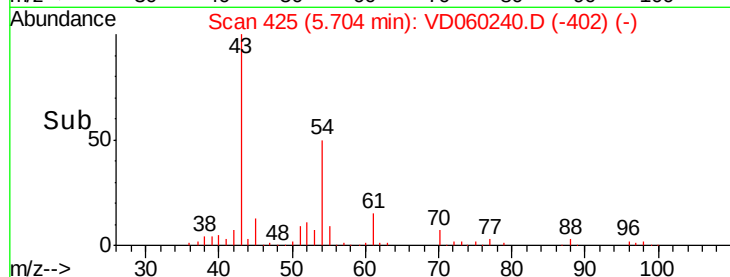
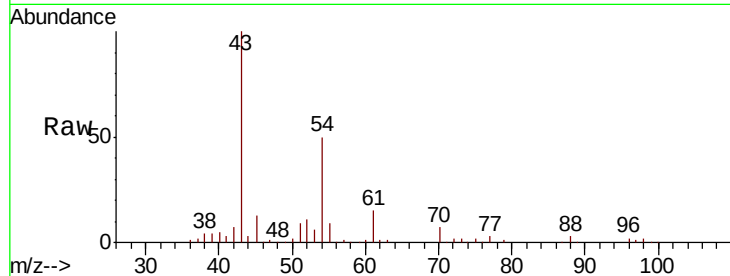
#37
Ethyl Acetate
Concen: 53.227 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.5	15.7
70	7.4	6.3	9.5

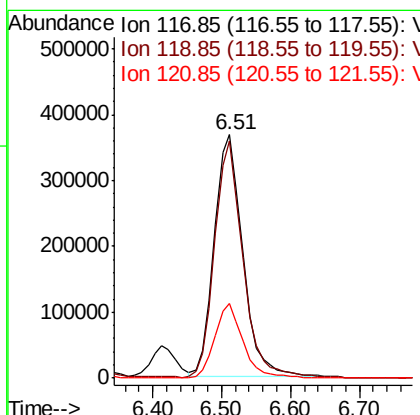
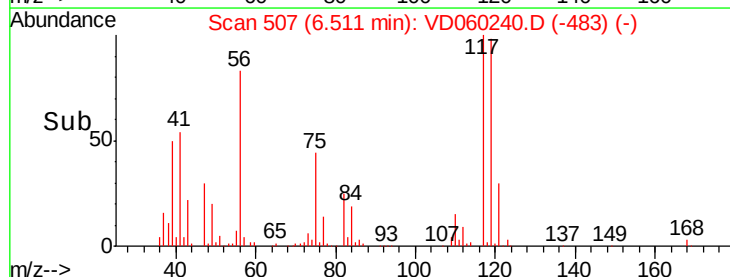
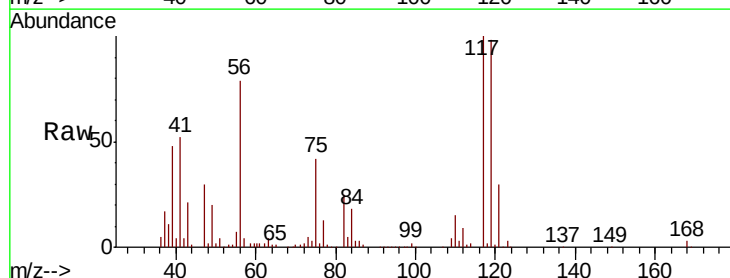
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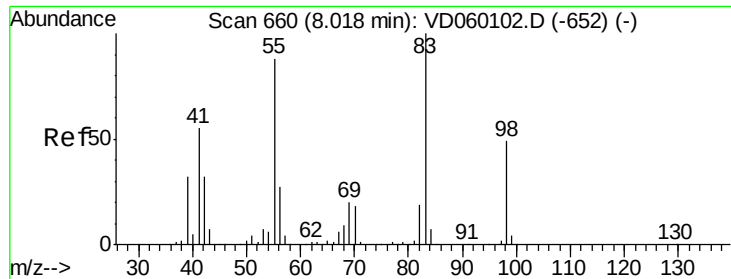
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#38
Carbon Tetrachloride
Concen: 53.741 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.8	116.6
121	30.4	24.8	37.2





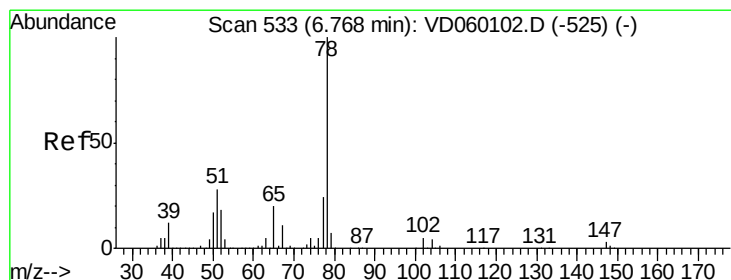
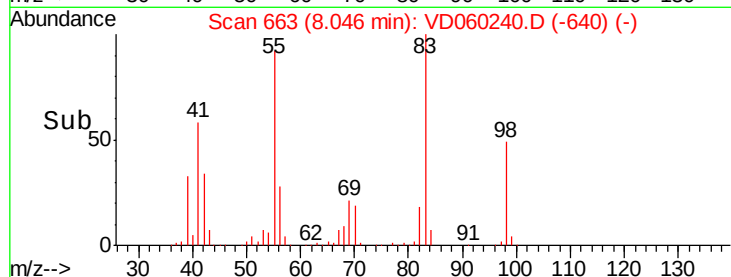
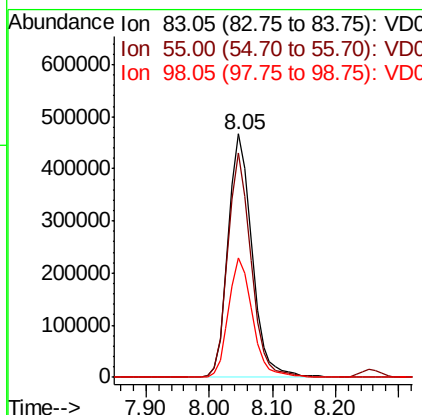
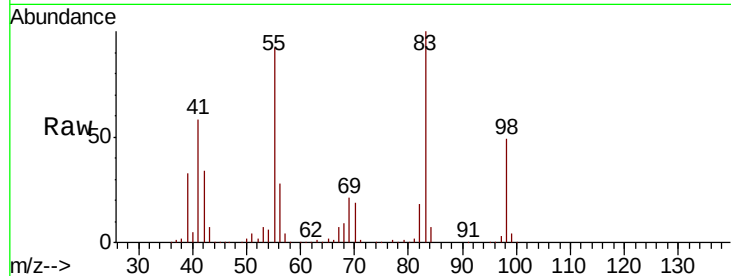
#39
Methylvlcyclohexane
Concen: 49.563 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1226884
Ion Ratio Lower Upper
83 100
55 92.1 70.5 105.7
98 48.9 39.4 59.2

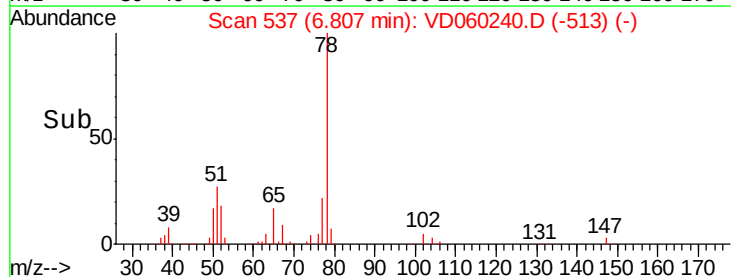
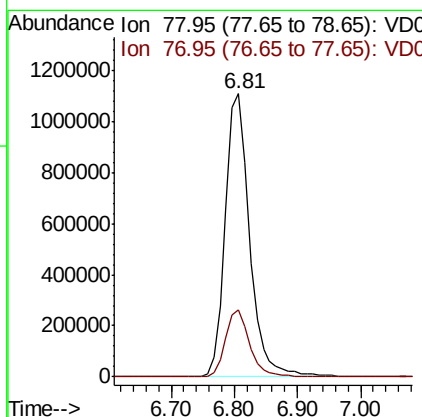
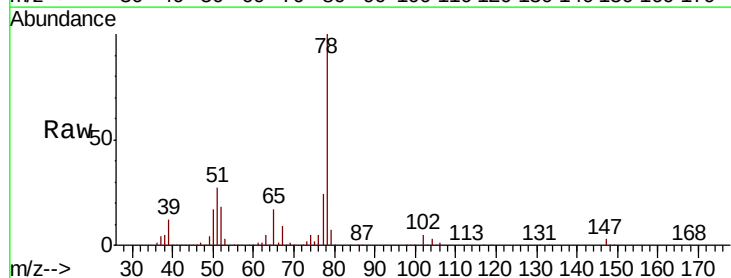
Manual Integrations
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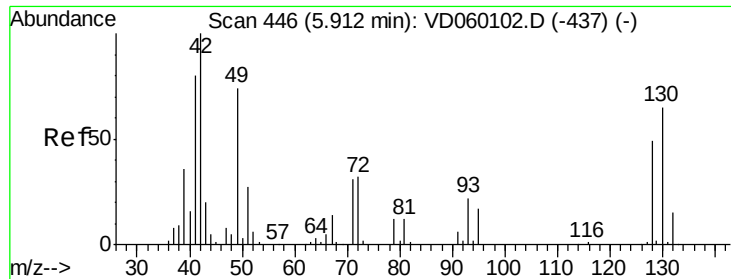
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#40
Benzene
Concen: 52.239 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 78 Resp: 2977468
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





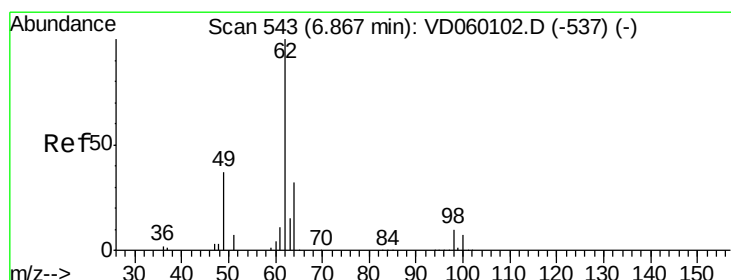
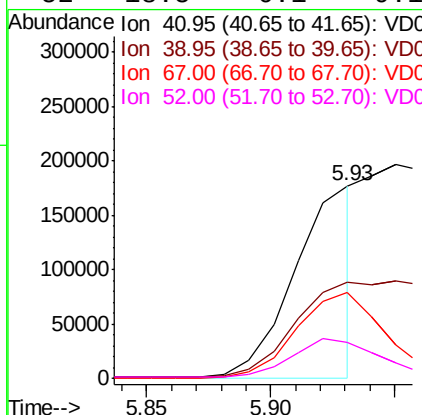
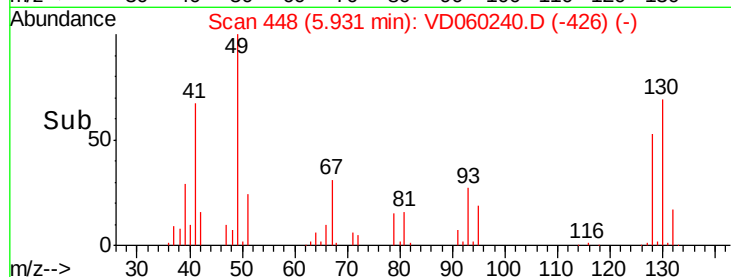
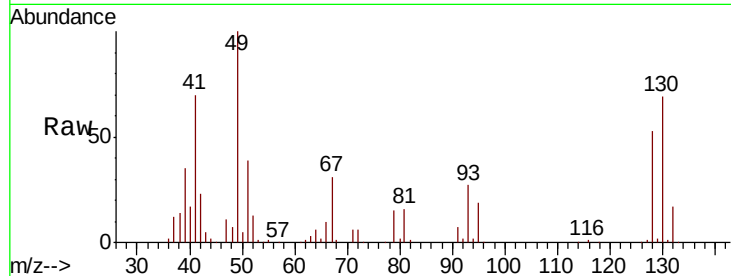
#41
Methacrylonitrile
Concen: 37.184 ug/l m
RT: 5.93 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 303933
Ion Ratio Lower Upper
41 100
39 50.2 36.0 54.0
67 44.3 13.9 20.9#
52 18.5 6.1 9.1#

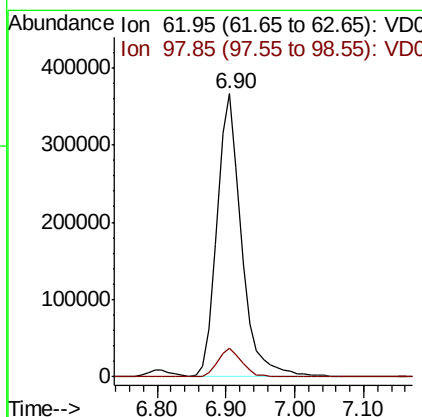
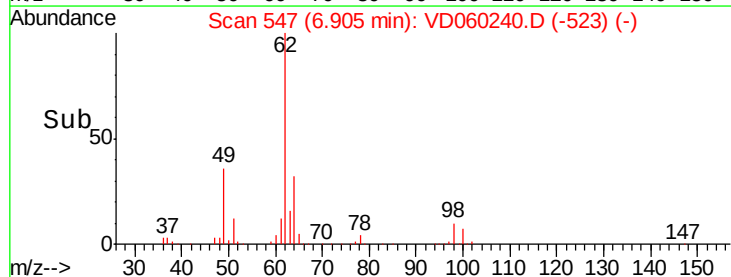
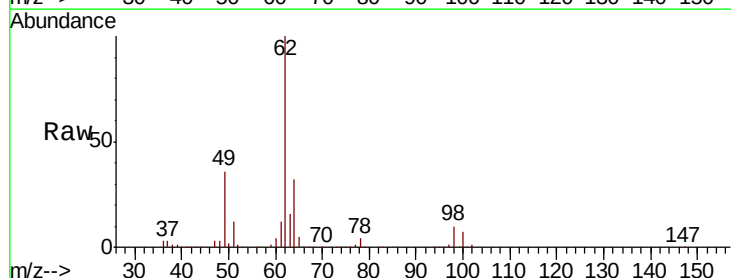
Manual Integrations
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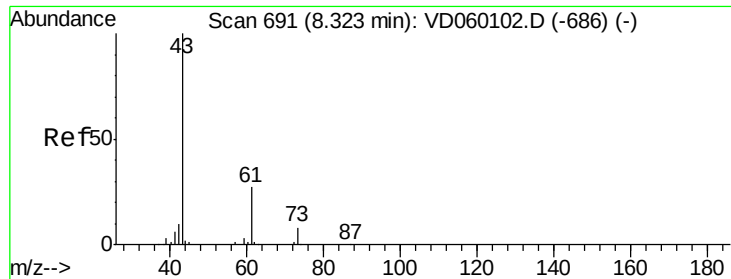
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.786 ug/l
RT: 6.90 min Scan# 547
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 62 Resp: 895261
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.6





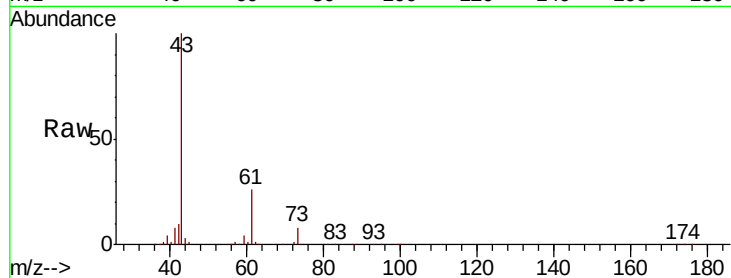
#43
Isopropyl Acetate
Concen: 56.215 ug/l
RT: 8.35 min Scan# 694
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

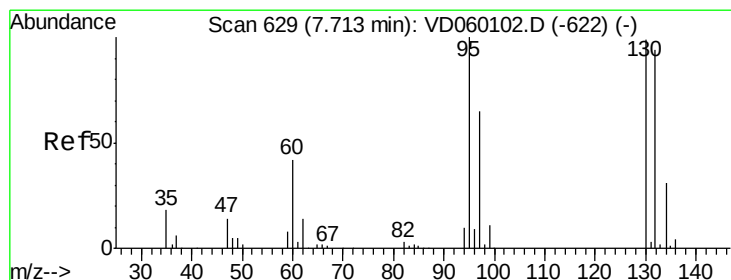
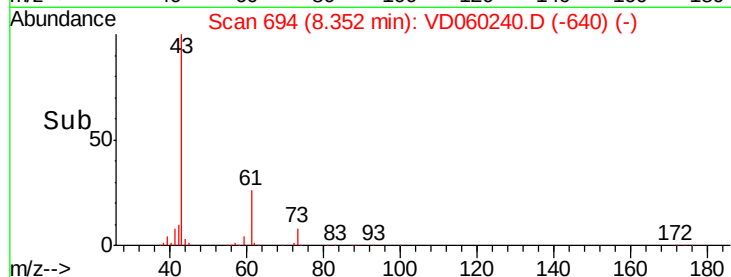
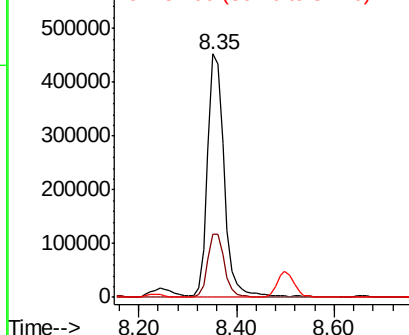
Tot Ion: 43 Resp: 1069496
Ion Ratio Lower Upper
43 100
61 25.8 21.4 32.2
87 0.2 0.2 0.2

Manual Integrations
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11/1/2018 11:59:27 AM

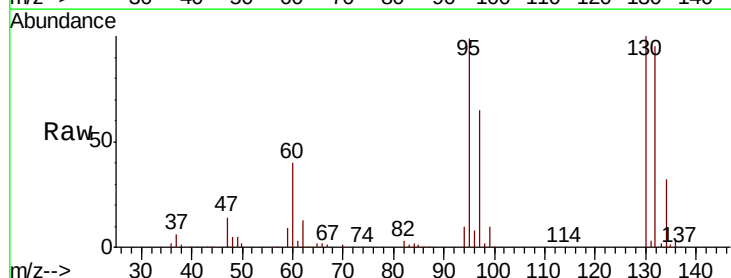


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

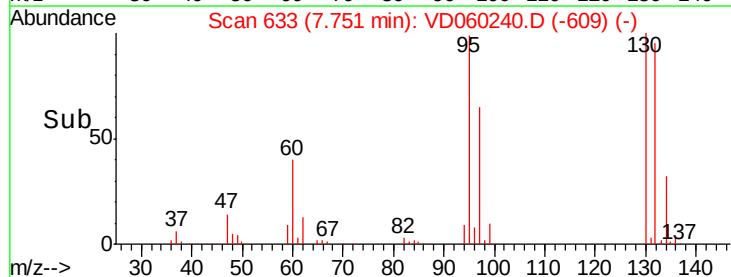
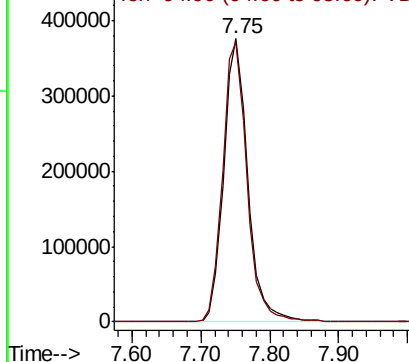


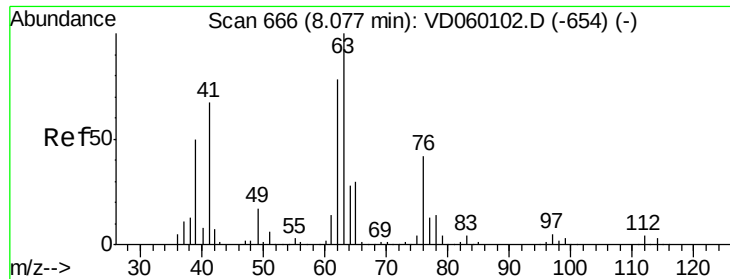
#44
Trichloroethene
Concen: 51.430 ug/l
RT: 7.75 min Scan# 633
Delta R.T. 0.04 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 130 Resp: 907420
Ion Ratio Lower Upper
130 100
95 98.9 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.964 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.04 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 805371

Ion Ratio Lower Upper

63 100

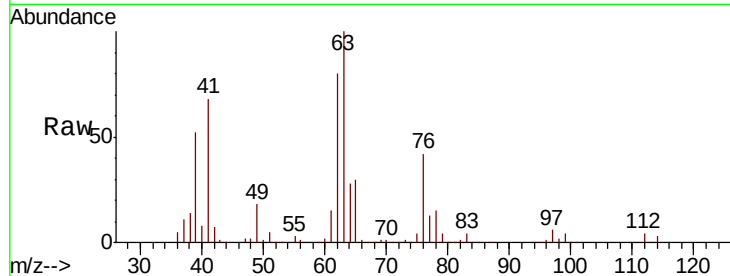
65 29.8 24.1 36.1

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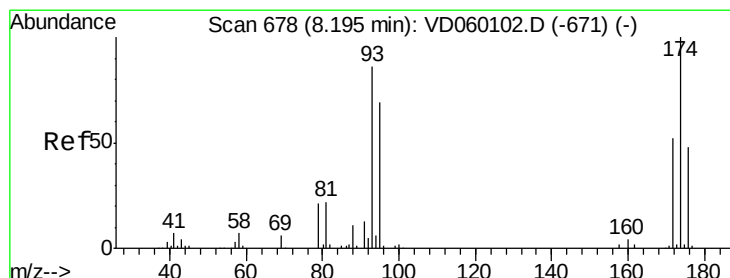
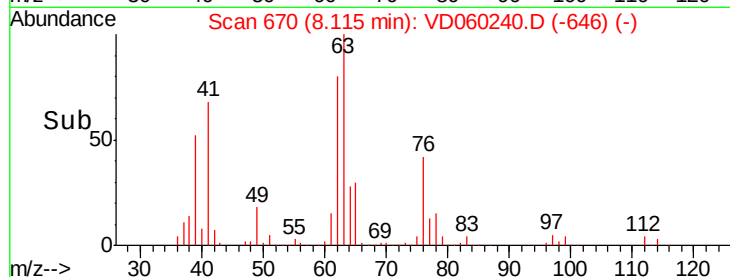
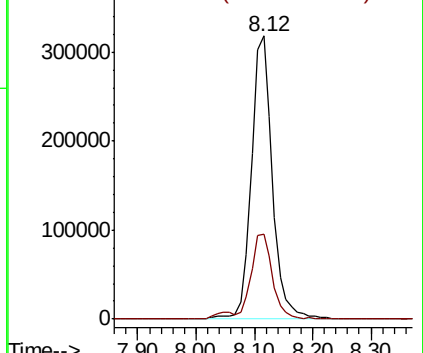
MMDadoda

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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: 54.000 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

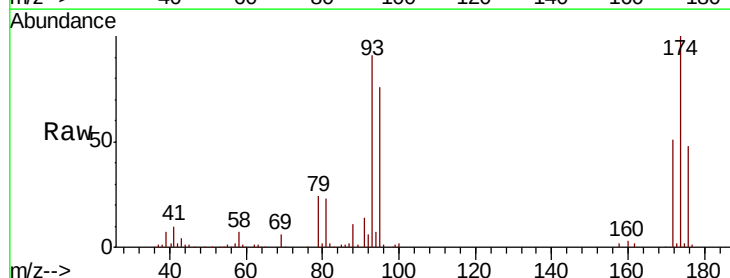
Tgt Ion: 93 Resp: 521765

Ion Ratio Lower Upper

93 100

95 84.0 63.8 95.6

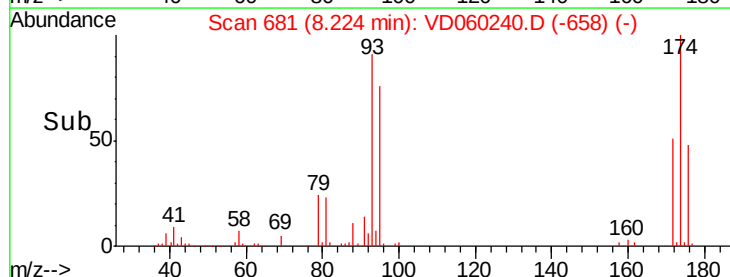
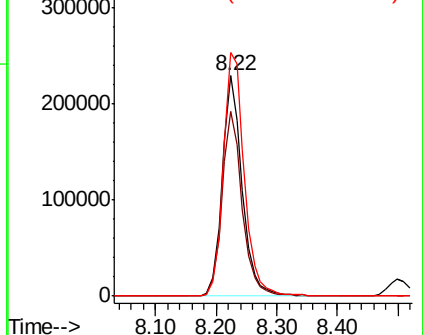
174 110.5 92.9 139.3

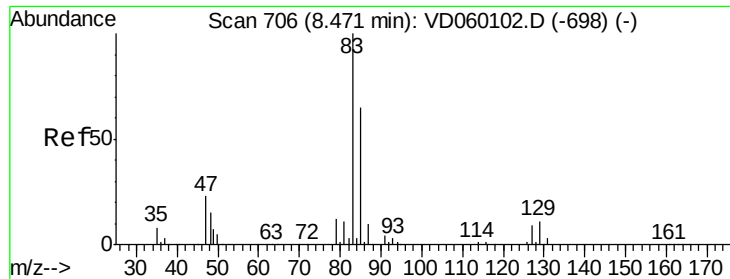


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.399 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1140532

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.2

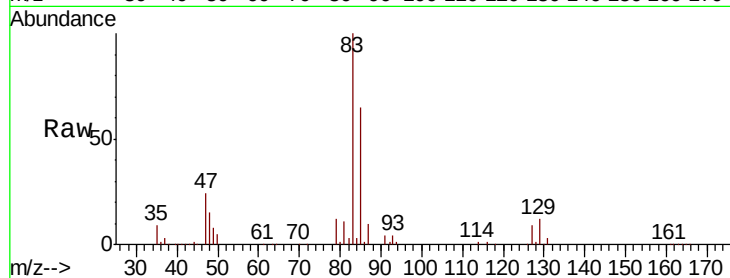
127 8.8 7.4 11.0

Manual Integrations

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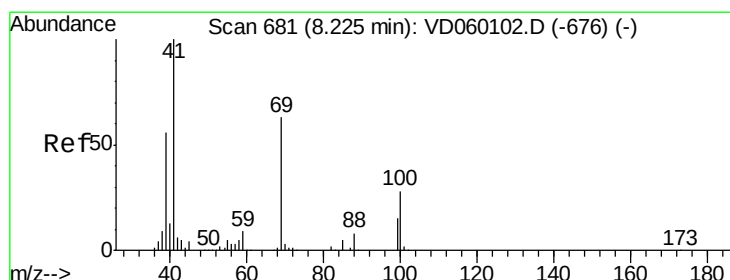
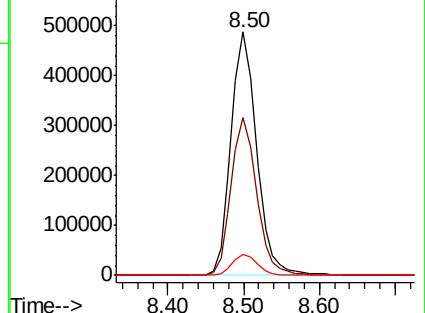
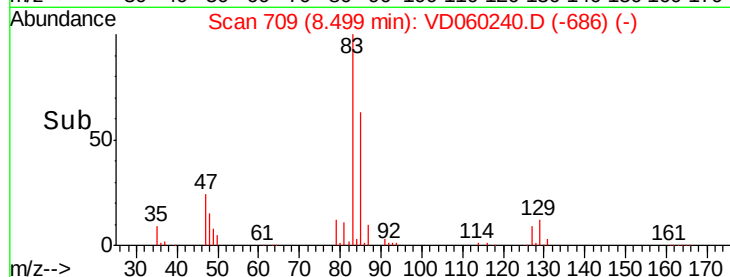
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 56.110 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

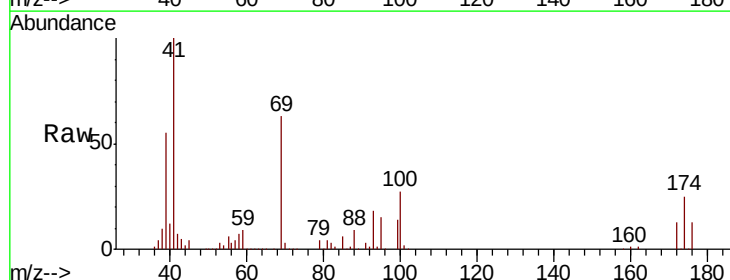
Tgt Ion: 41 Resp: 608062

Ion Ratio Lower Upper

41 100

69 62.8 49.7 74.5

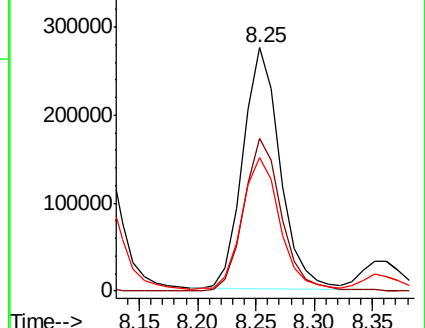
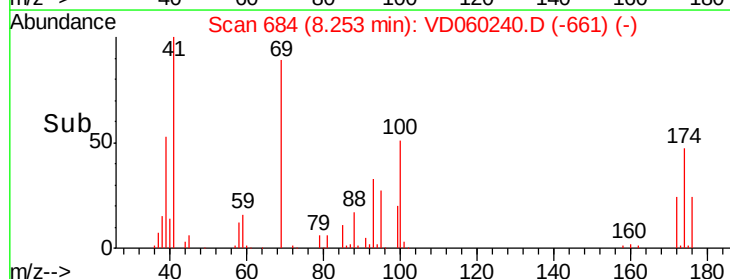
39 54.9 45.2 67.8

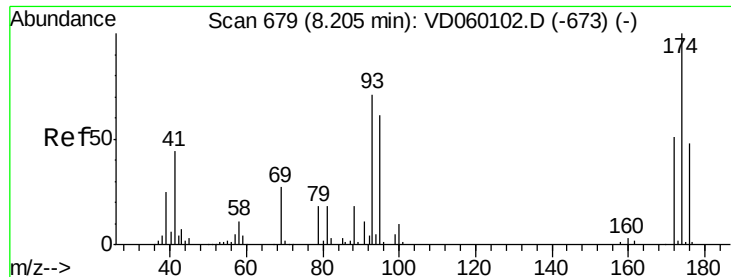


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





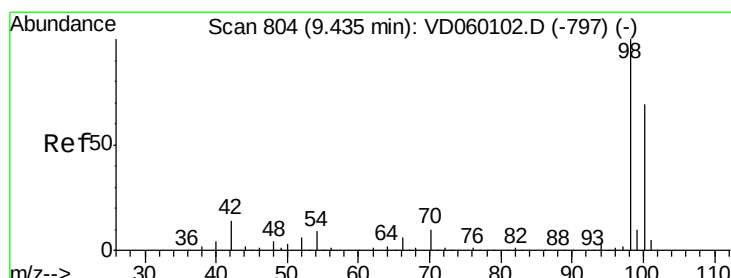
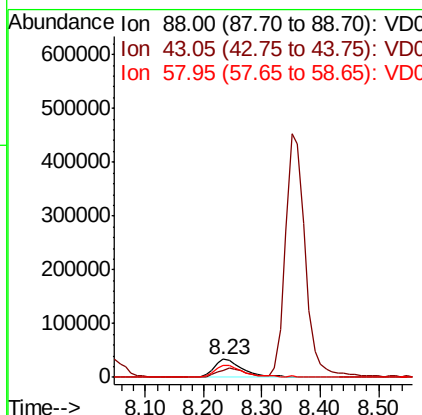
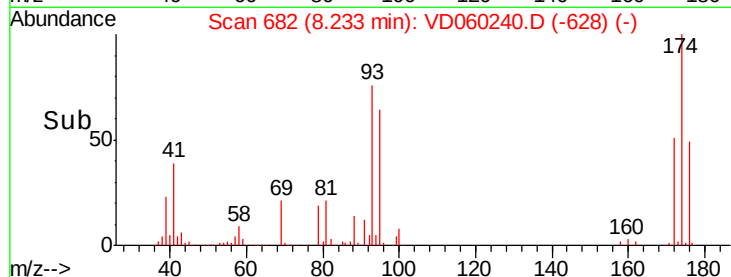
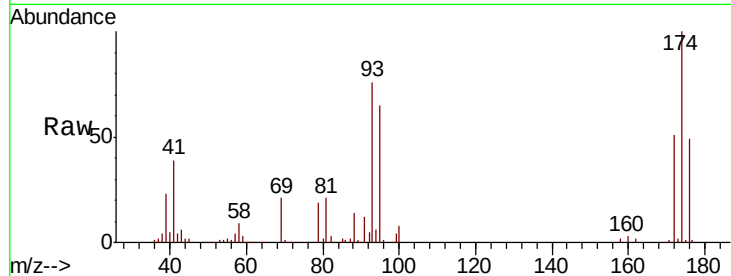
#49
1,4-Dioxane
Concen: 1106.587 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	33.7	50.5
58	62.6	49.1	73.7

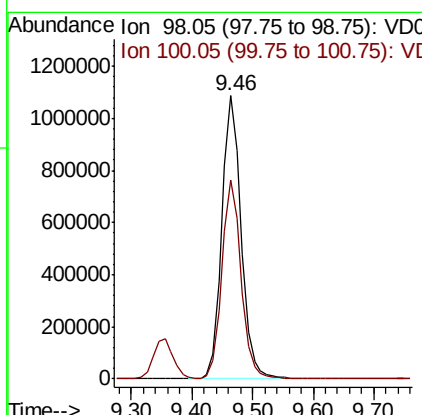
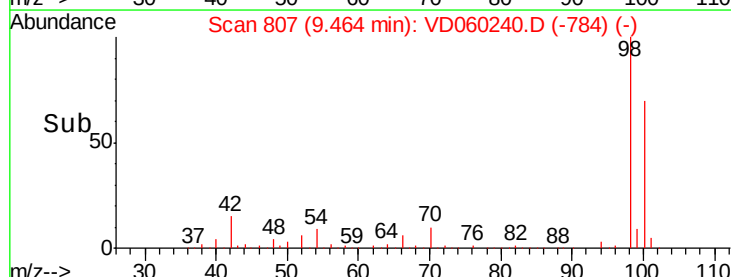
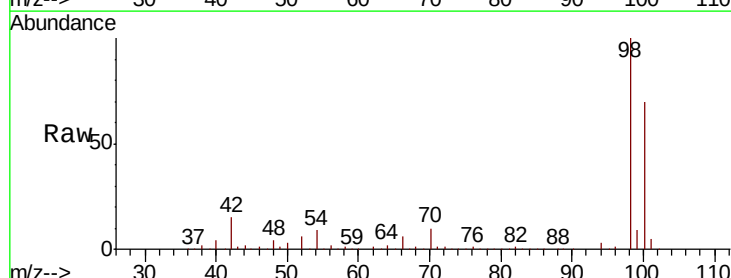
Manual Integrations
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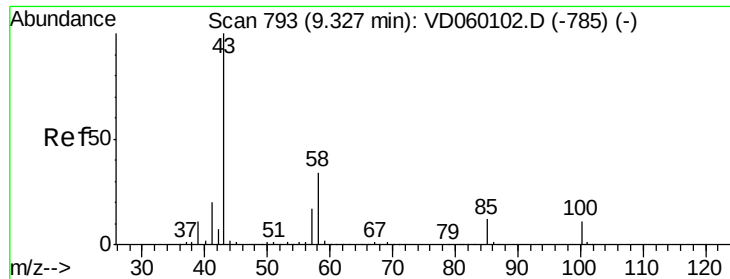
MMDadoda
11/1/2018 11:59:27 AM



#50
Toluene-d8
Concen: 1106.587 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 275.990 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tot Ion: 43 Resp: 3311818

Ion Ratio Lower Upper

43 100

58 33.5 27.2 40.8

Instrument :

MSVOA_D

ClientSampleId :

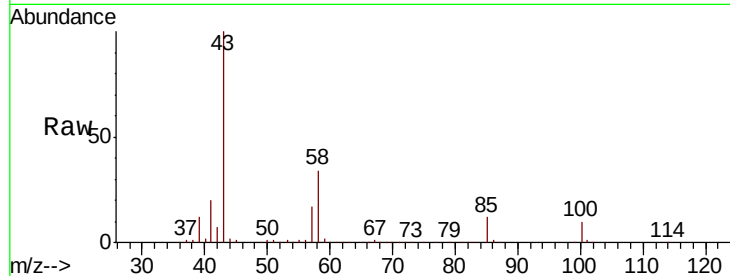
VSTDCCC050

Manual Integrations

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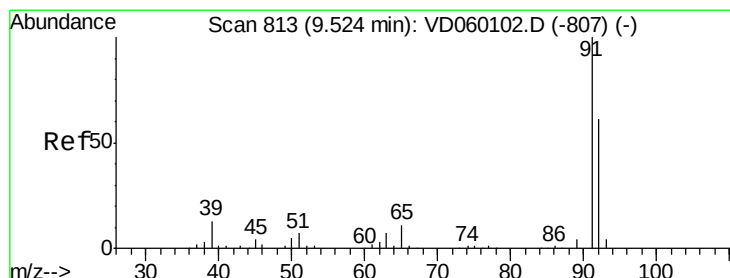
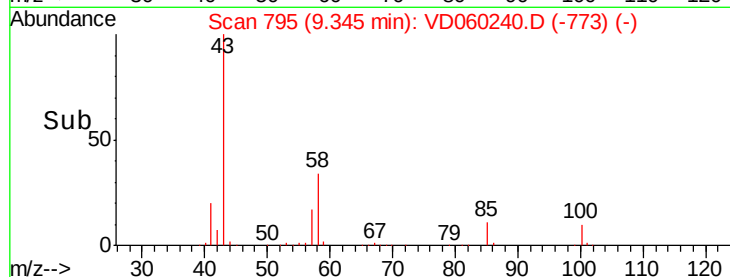
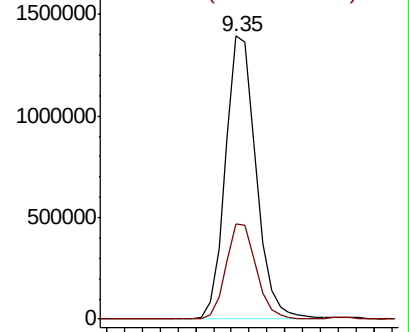
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.088 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.04 min

Lab File: VD060240.D

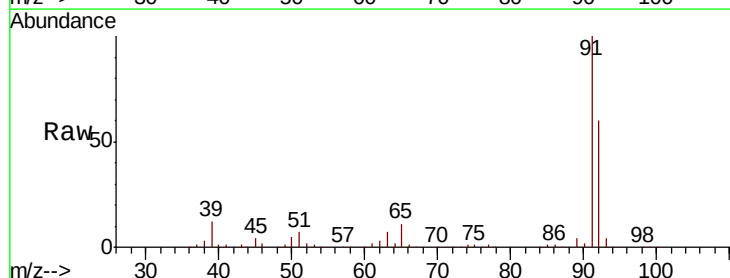
Acq: 31 Oct 2018 14:06

Tgt Ion: 92 Resp: 1838632

Ion Ratio Lower Upper

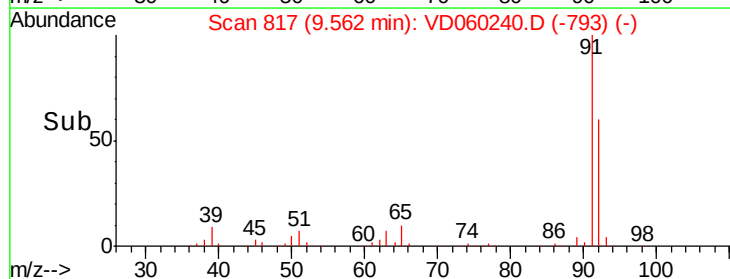
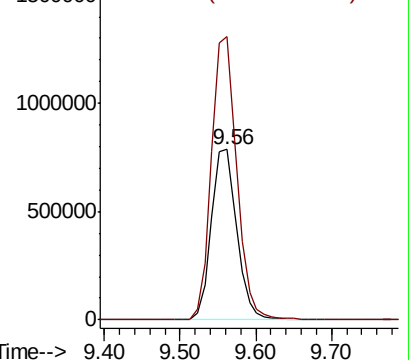
92 100

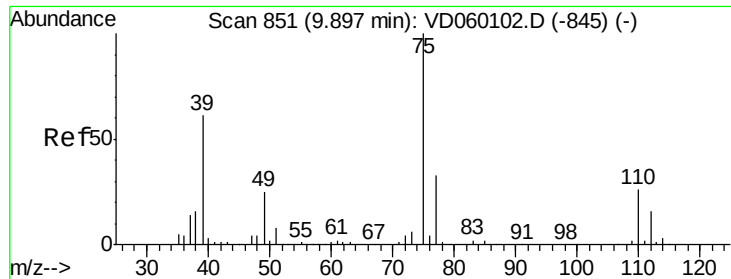
91 166.3 131.9 197.9



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: 55.495 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tot Ion: 75 Resp: 1033775

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

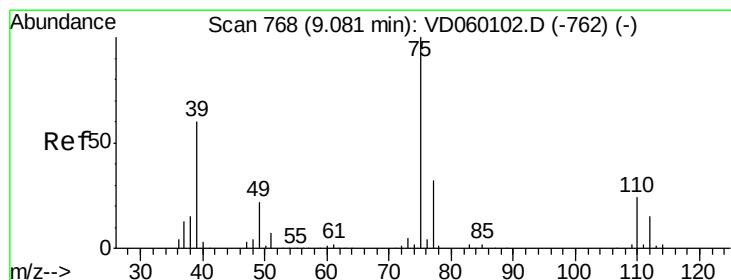
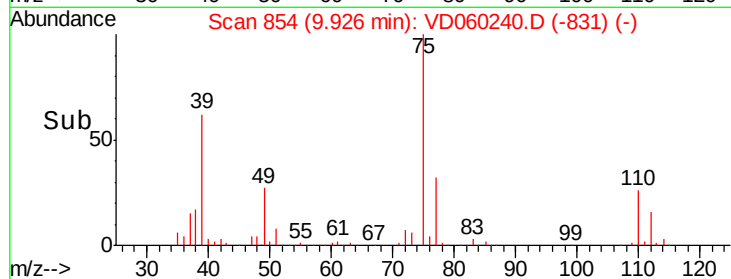
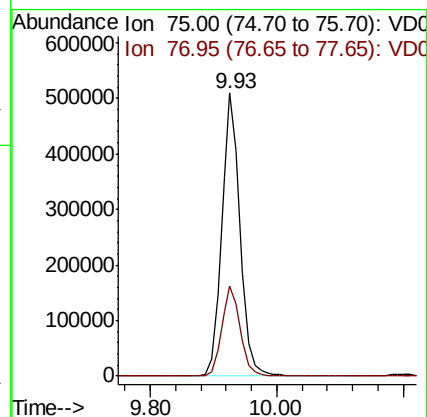
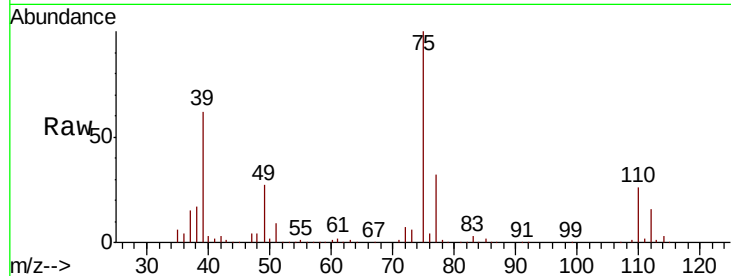
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.989 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

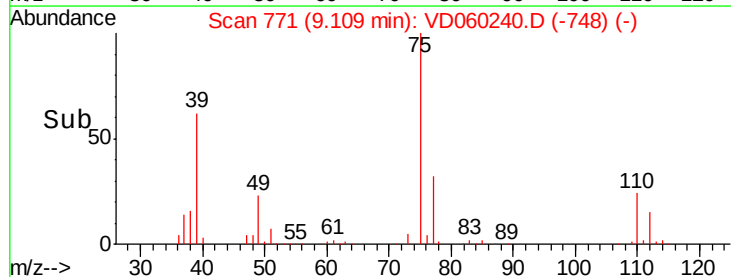
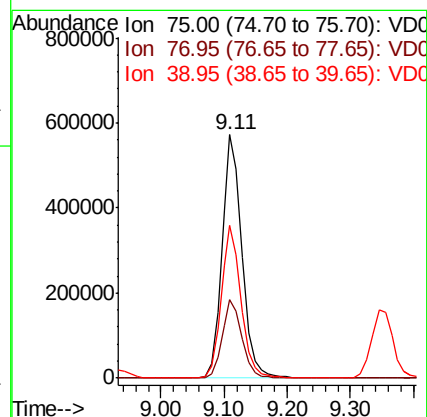
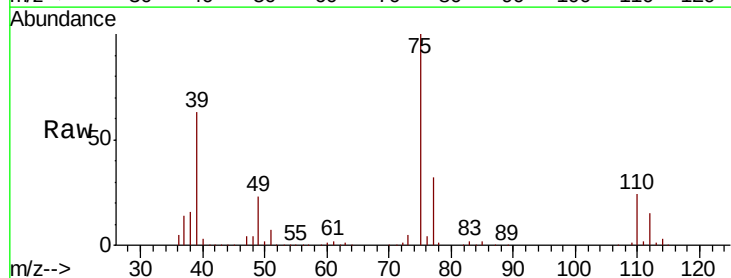
Tgt Ion: 75 Resp: 1264936

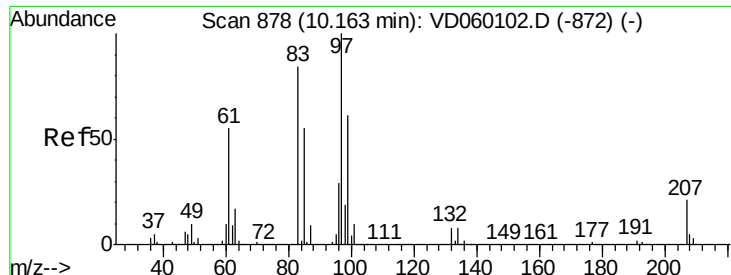
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

39 62.6 48.2 72.4





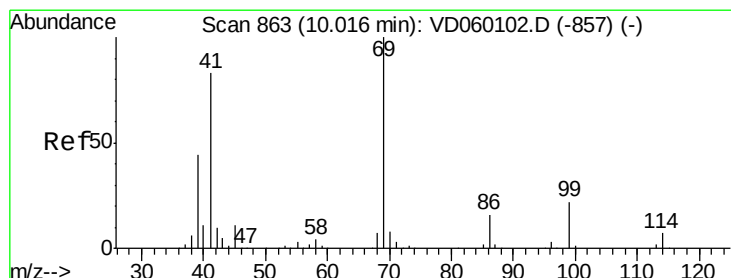
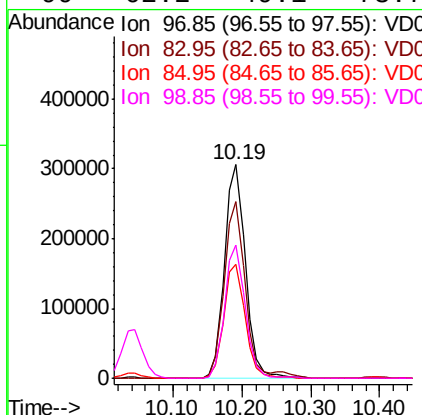
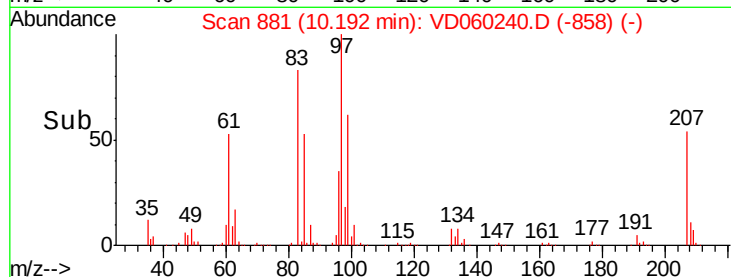
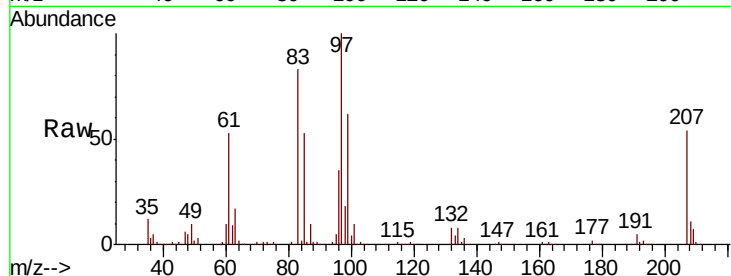
#55
 1,1,2-Trichloroethane
 Concen: 53.878 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	646560
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.0	100.6
85	53.5	43.9	65.9
99	62.2	49.1	73.7

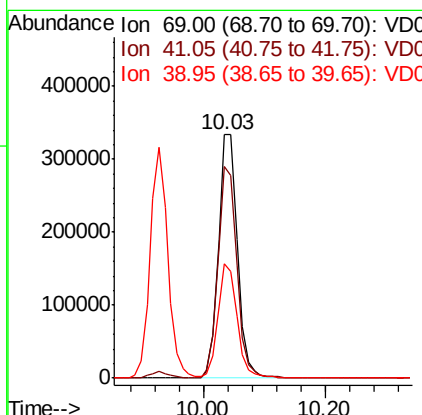
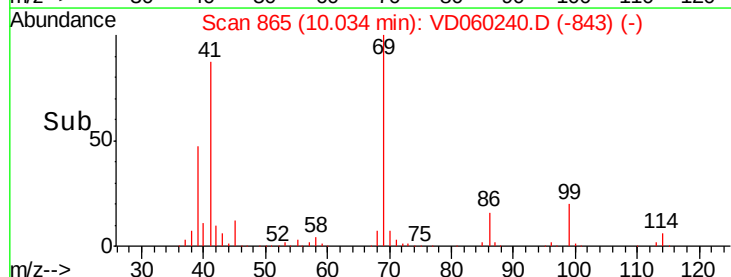
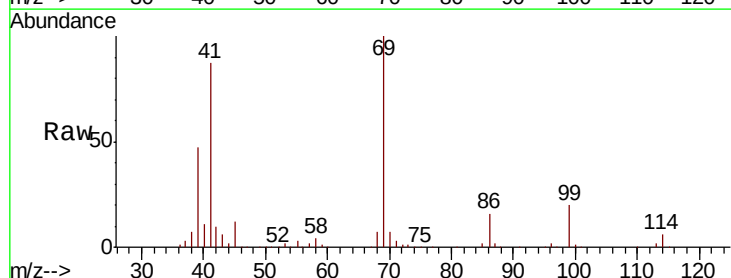
Manual Integrations
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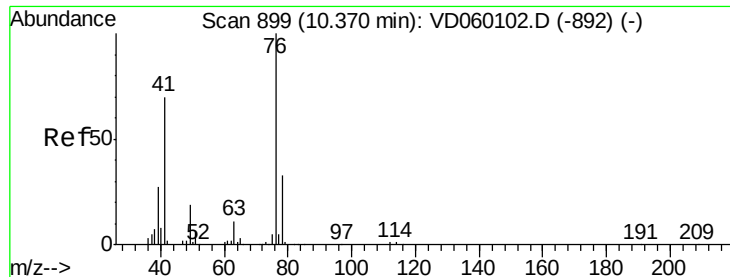
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#56
 Ethyl methacrylate
 Concen: 55.062 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion:	69	Resp:	729397
Ion	Ratio	Lower	Upper
69	100		
41	86.9	66.6	100.0
39	46.9	36.0	54.0





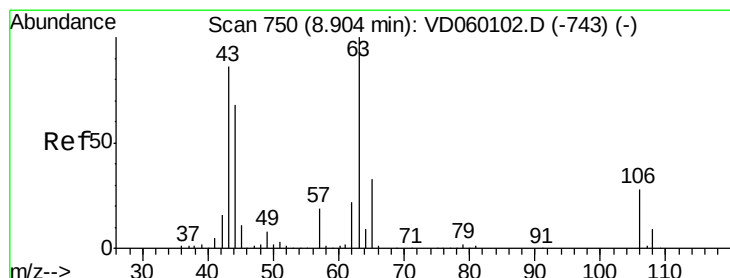
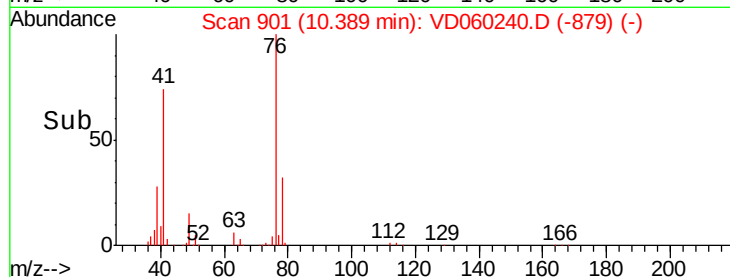
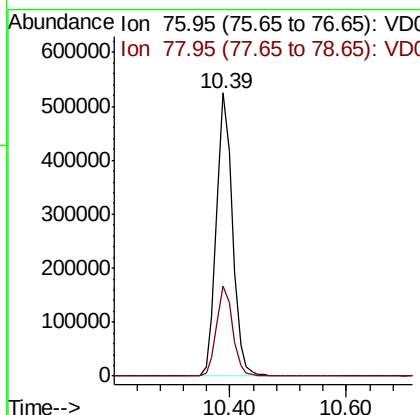
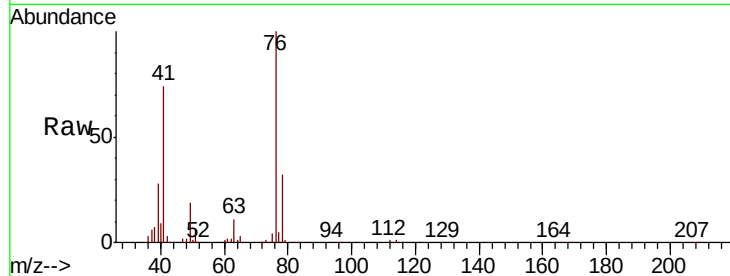
#57
 1,3-Dichloropropane
 Concen: 55.170 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.02 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1009732
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

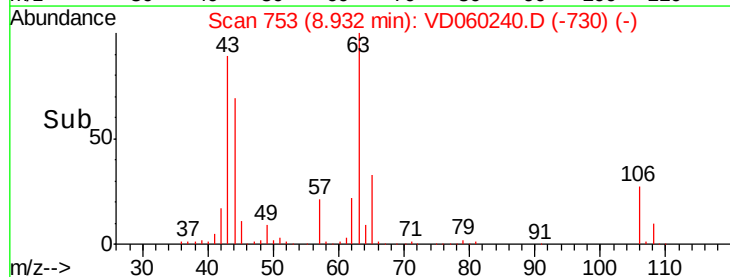
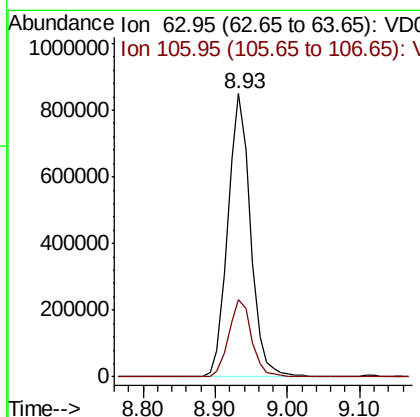
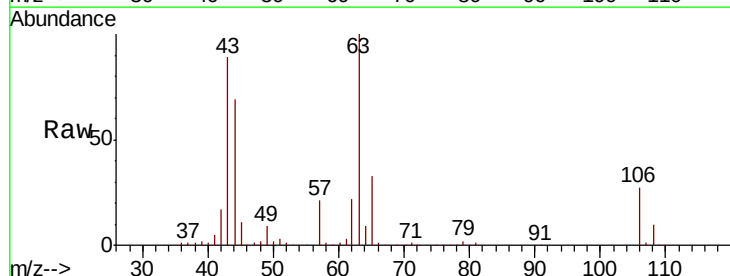
Manual Integrations
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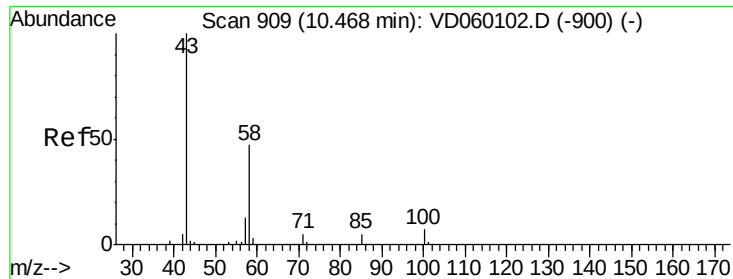
MMDadoda
 11/1/2018 11:59:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.854 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. 0.03 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion: 63 Resp: 1860002
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.6 34.0





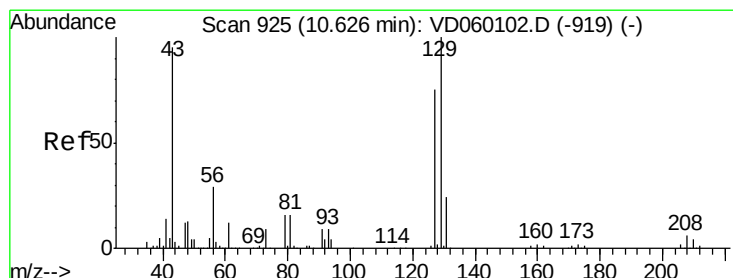
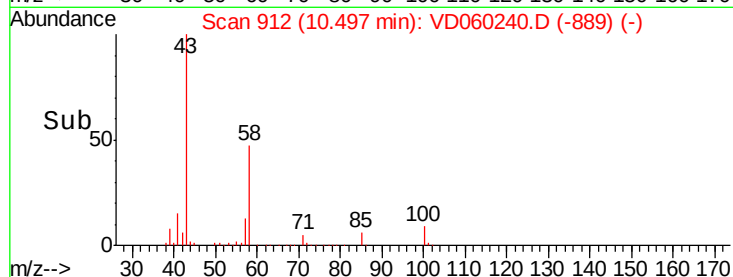
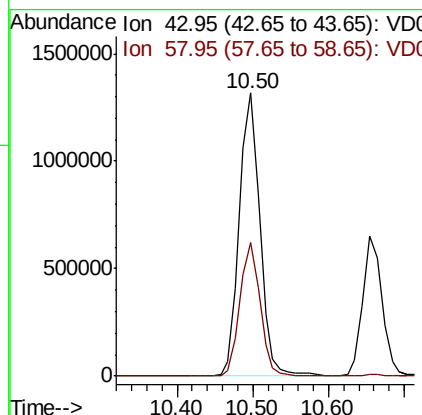
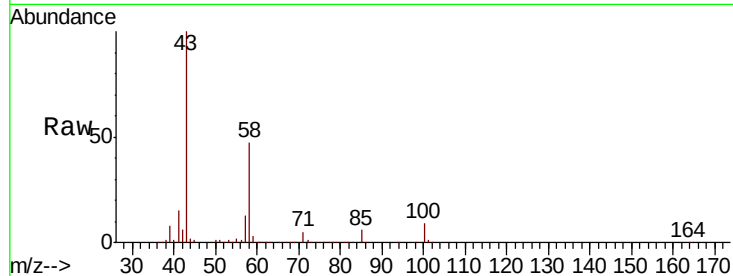
#59
2-Hexanone
Concen: 286.715 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2474002
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.9

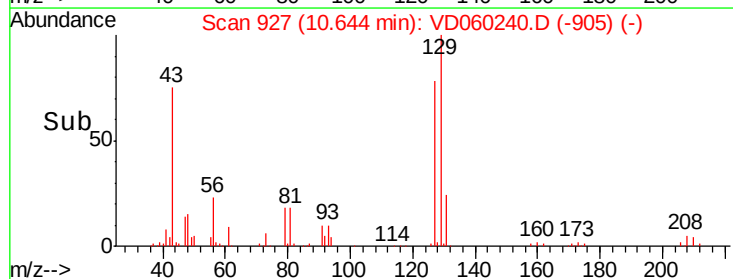
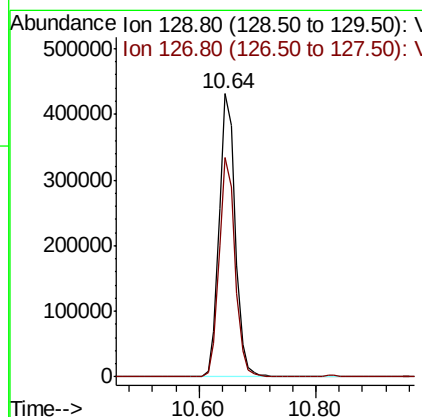
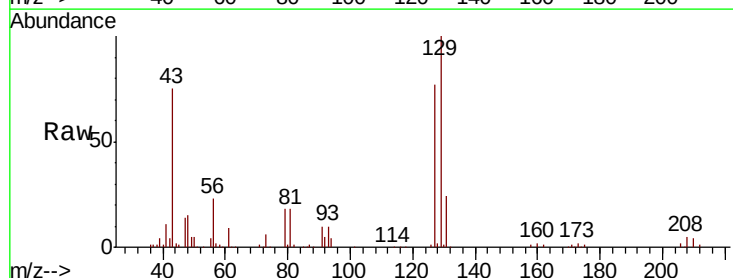
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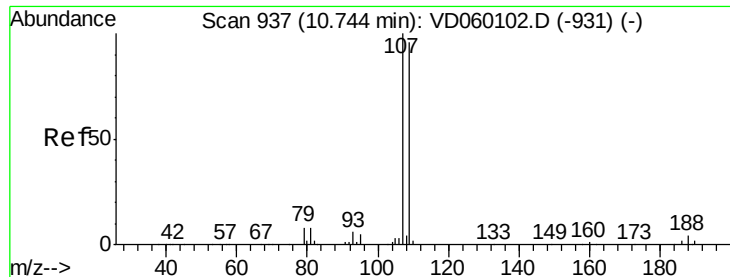
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#60
Dibromochloromethane
Concen: 56.349 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 129 Resp: 829665
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 54.247 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 691688

Ion Ratio Lower Upper

107 100

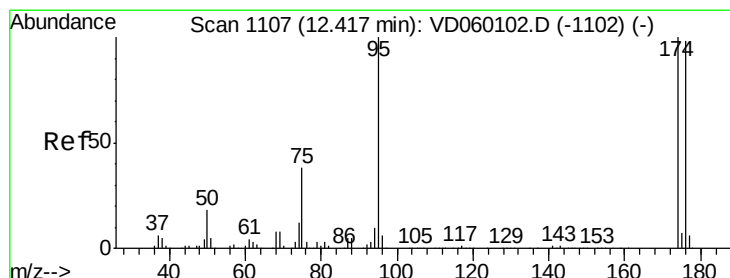
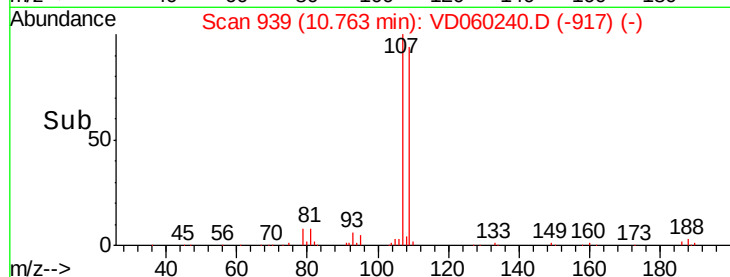
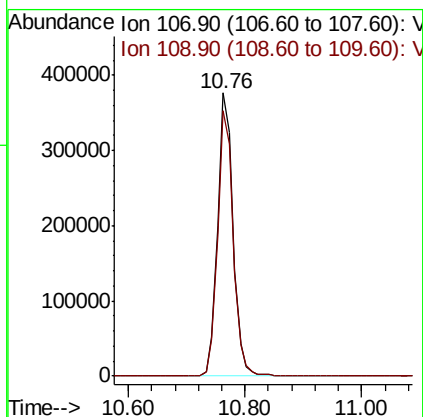
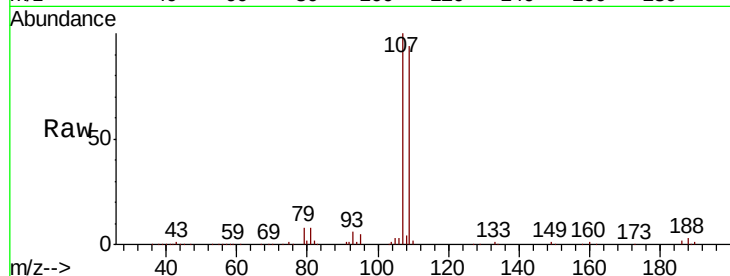
109 93.7 77.1 115.7

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#62

4-Bromofluorobenzene

Concen: 54.247 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

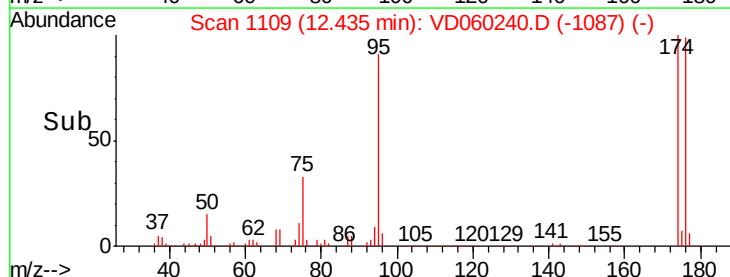
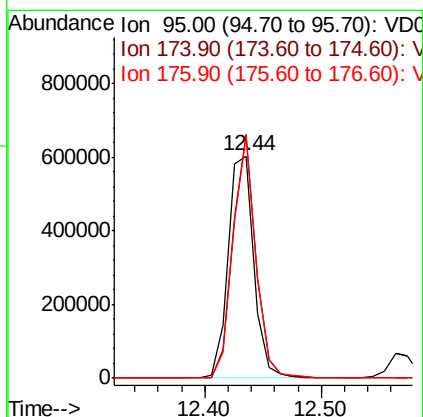
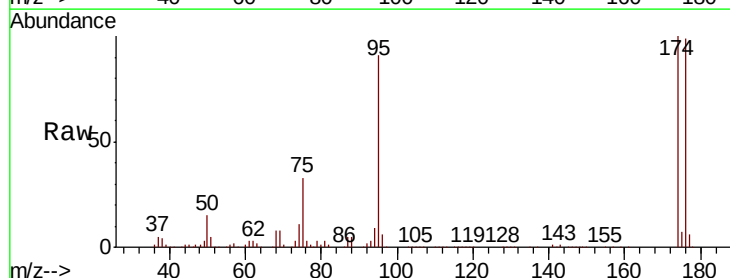
Tgt Ion: 95 Resp: 924388

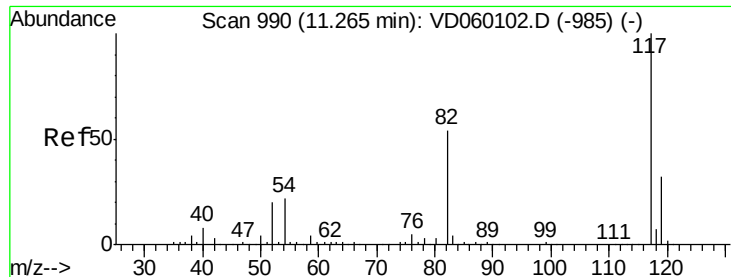
Ion Ratio Lower Upper

95 100

174 109.8 0.0 200.2

176 109.2 0.0 195.6





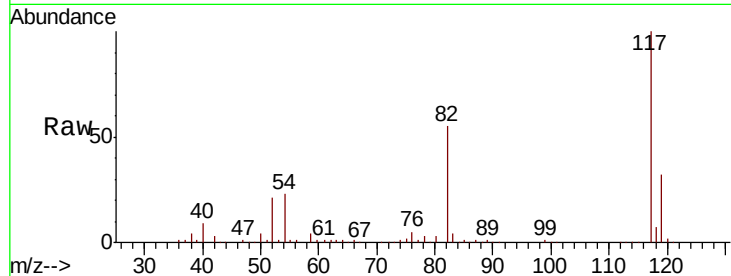
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

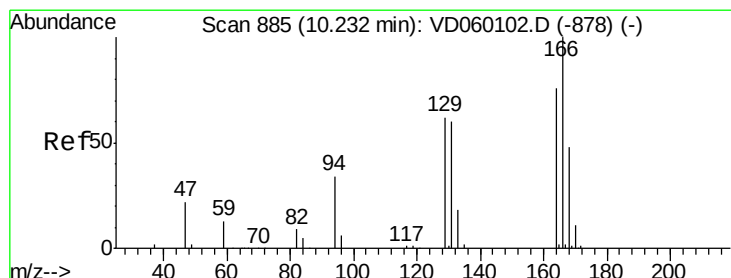
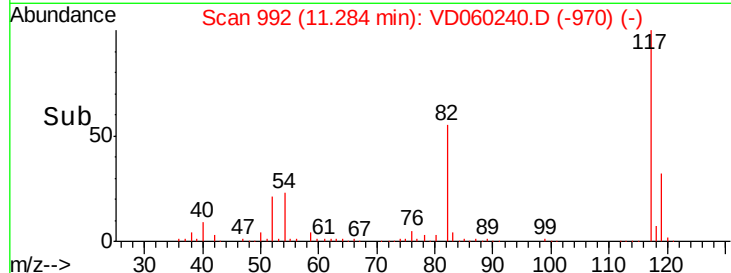
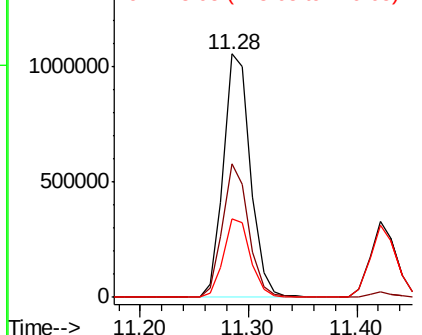
Tot Ion:117 Resp: 1835197
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.2
119 32.5 26.0 39.0

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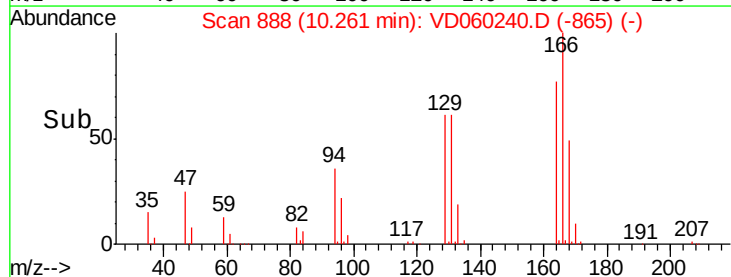
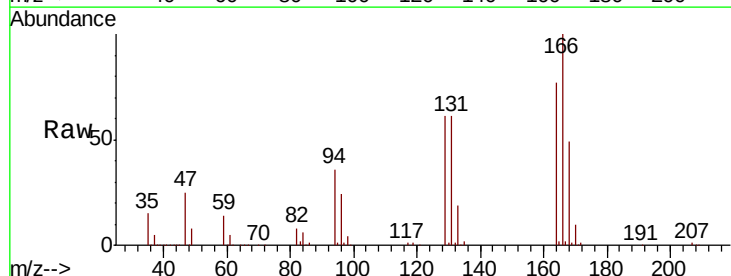
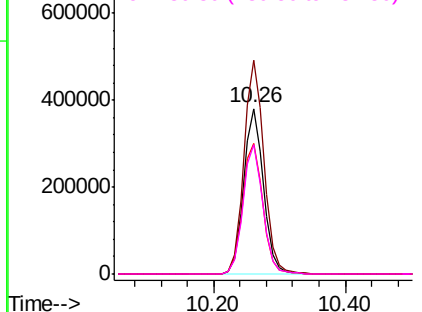
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

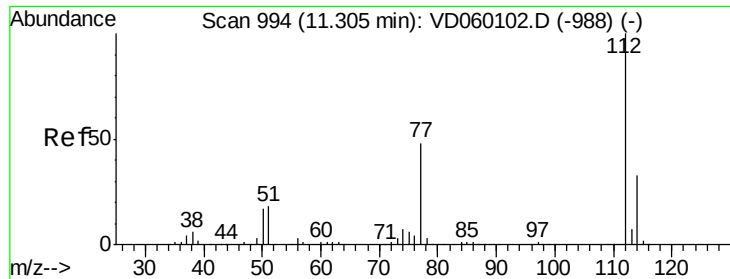


#64
Tetrachloroethene
Concen: 49.918 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion:164 Resp: 802365
Ion Ratio Lower Upper
164 100
166 129.2 105.4 158.0
129 79.0 65.7 98.5
131 78.6 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





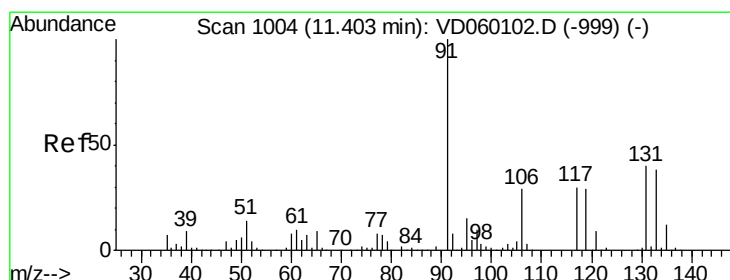
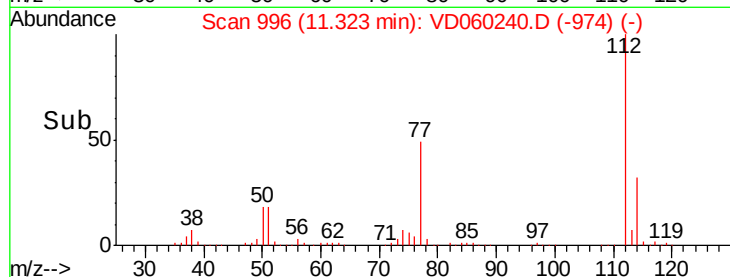
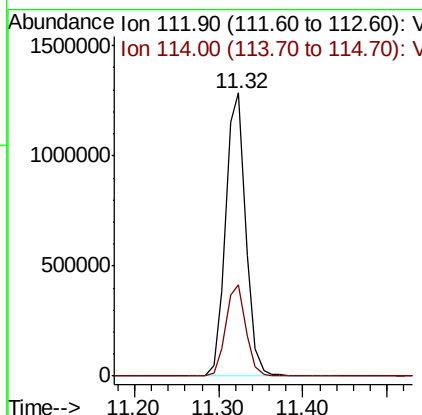
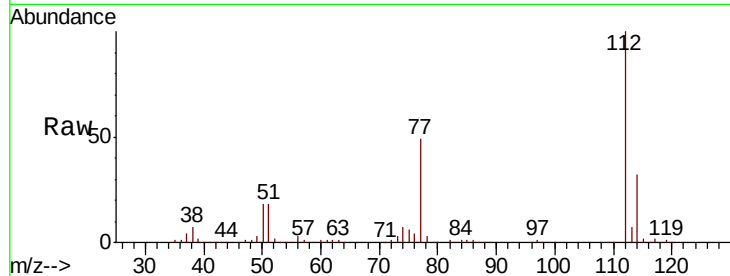
#65
Chlorobenzene
Concen: 53.726 ug/l
RT: 11.32 min Scan# 996
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2133050
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

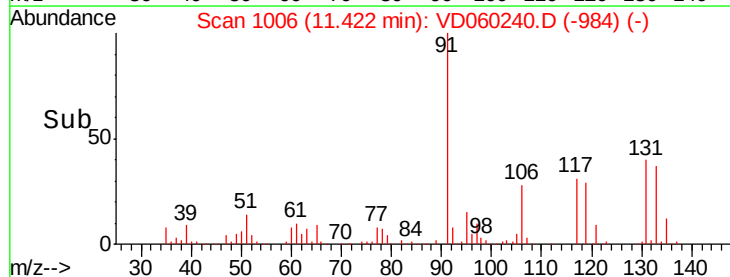
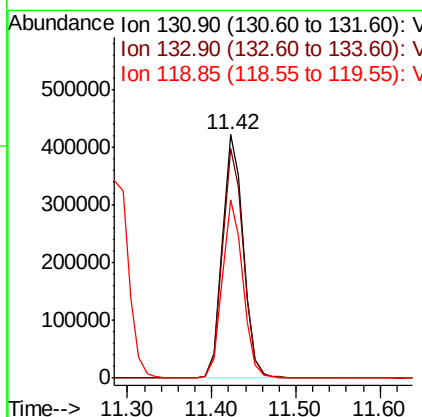
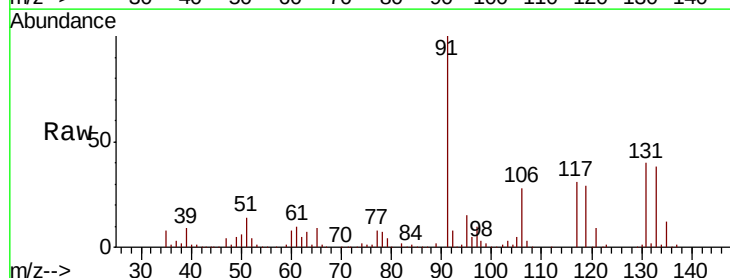
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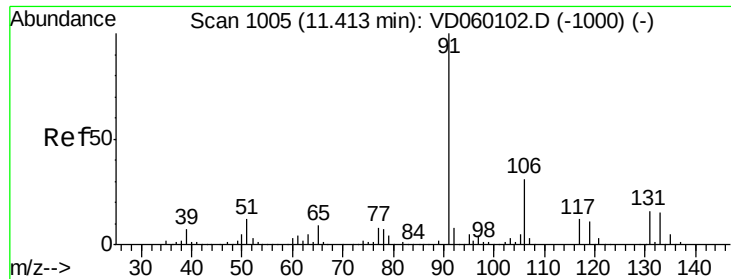
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.878 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion:131 Resp: 726838
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.3
119 73.5 36.1 108.3





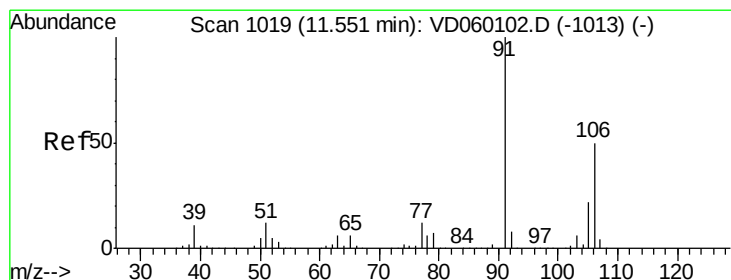
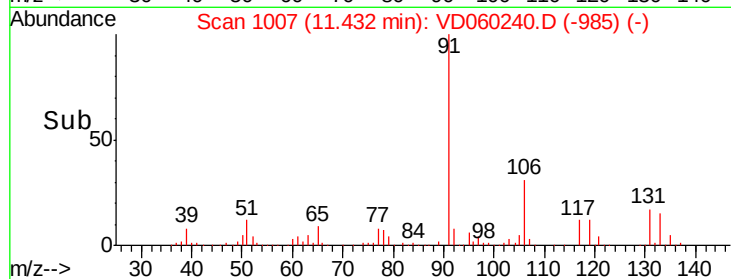
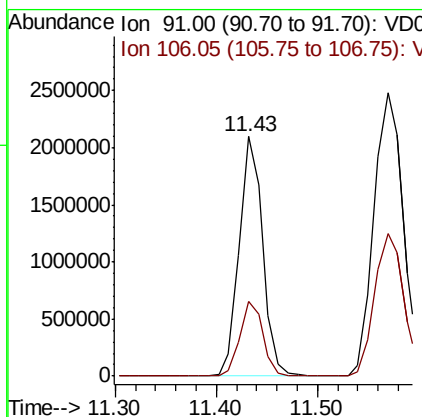
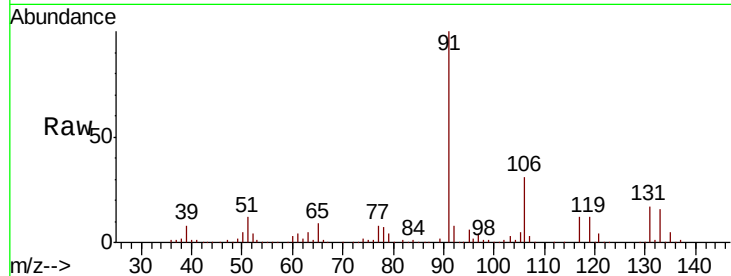
#67
Ethyl Benzene
Concen: 52.634 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3385699
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

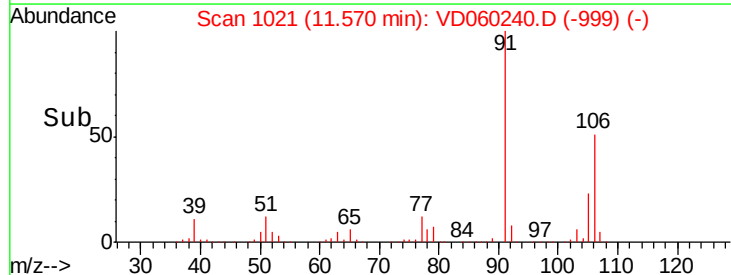
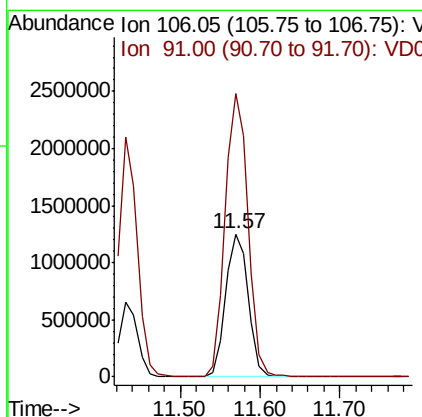
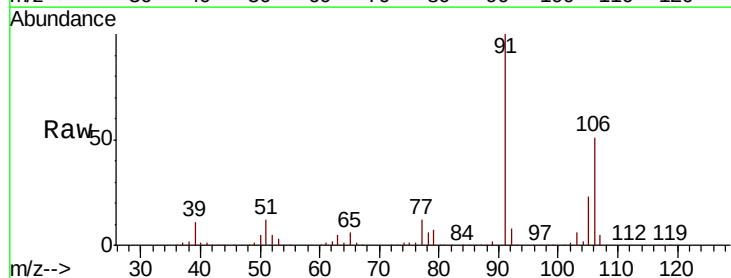
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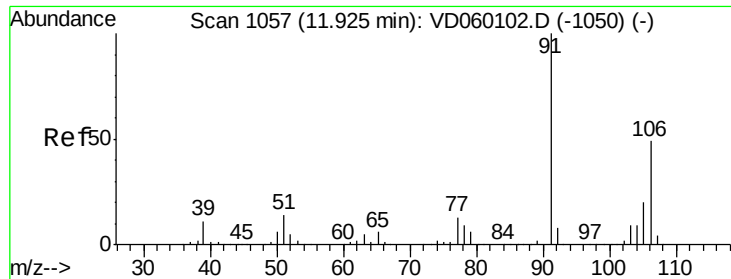
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#68
m/p-Xylenes
Concen: 104.397 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 106 Resp: 2509077
Ion Ratio Lower Upper
106 100
91 197.8 160.0 240.0





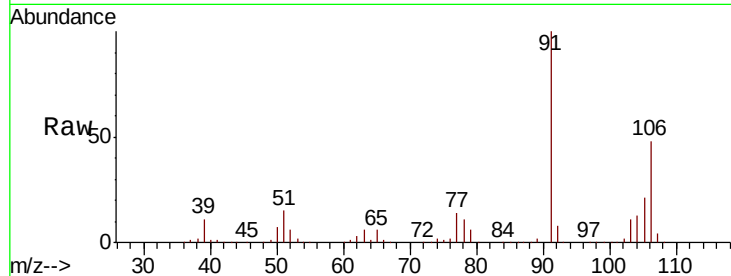
#69
o-Xylene
Concen: 52.834 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

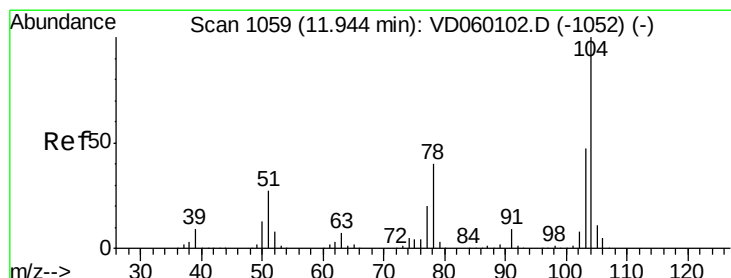
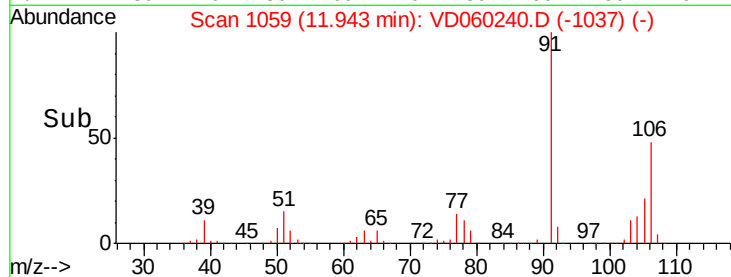
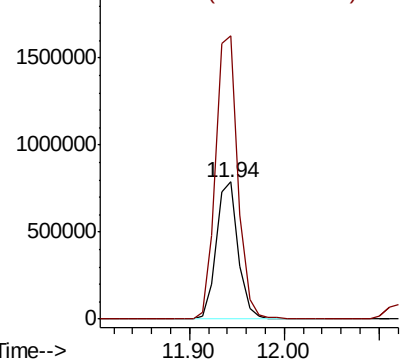
Tot Ion:106 Resp: 1256022
Ion Ratio Lower Upper
106 100
91 206.9 102.5 307.5

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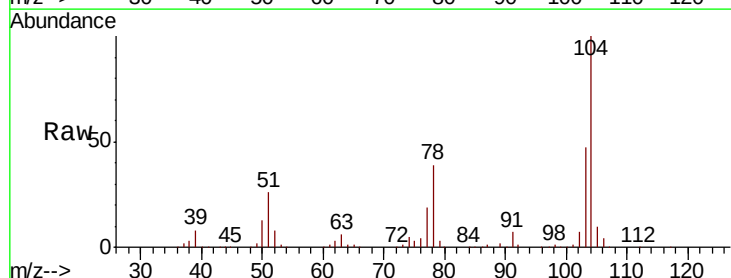


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

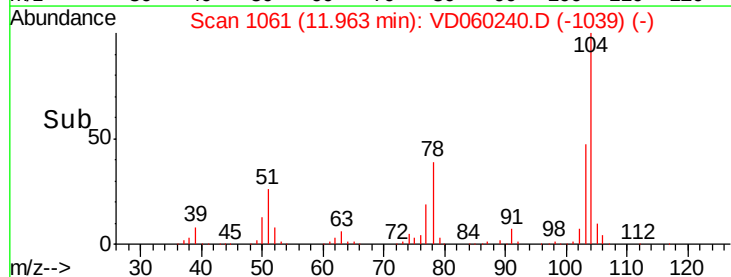
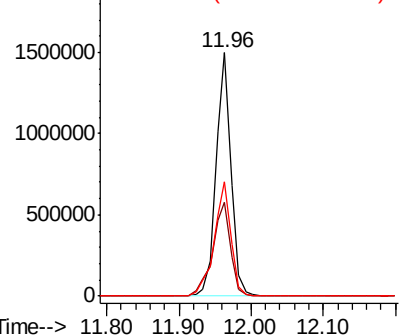


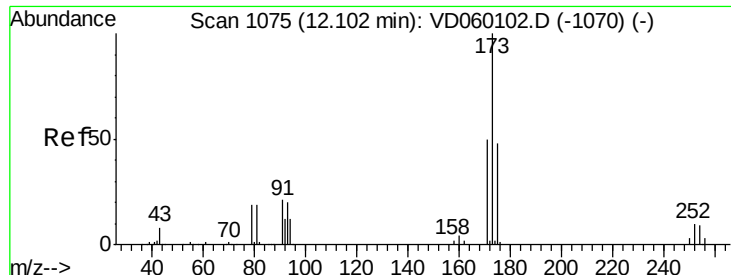
#70
Styrene
Concen: 54.104 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion:104 Resp: 2150940
Ion Ratio Lower Upper
104 100
78 38.6 32.2 48.4
103 47.0 37.4 56.0



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





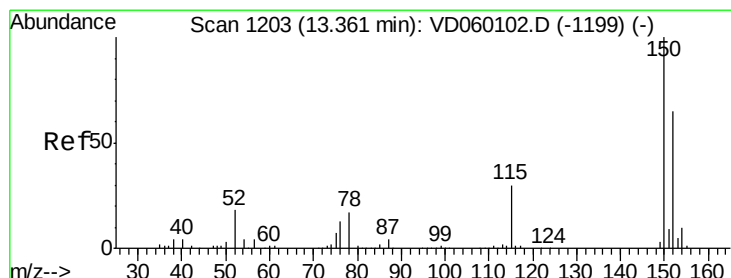
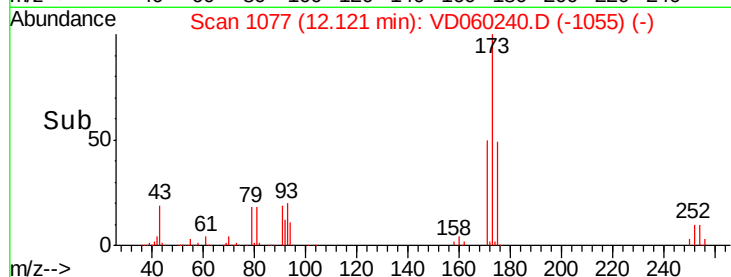
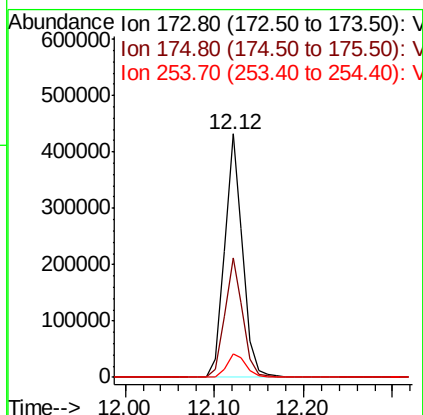
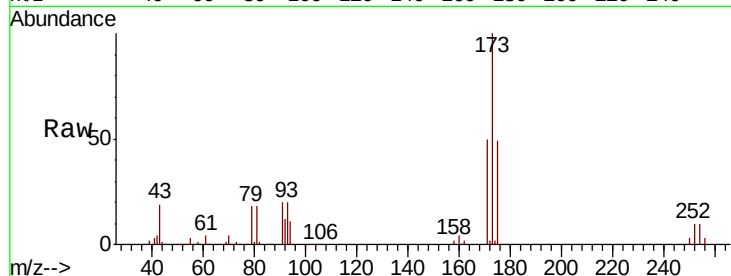
#71
Bromoform
Concen: 57.395 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	9.6	7.4	11.0

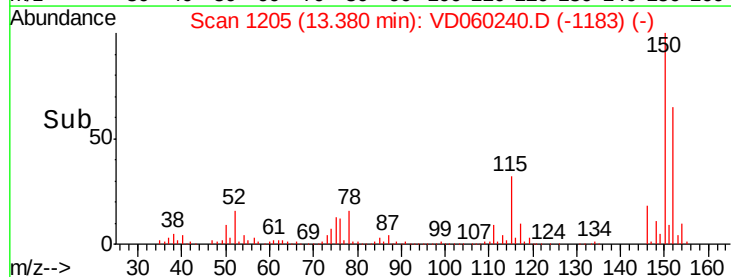
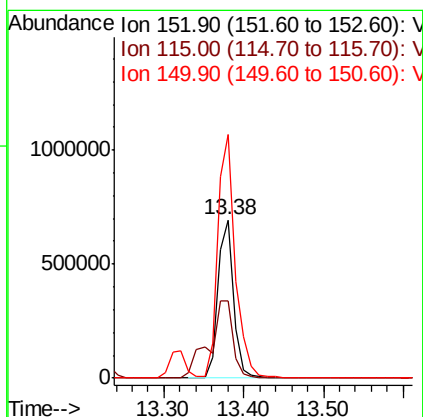
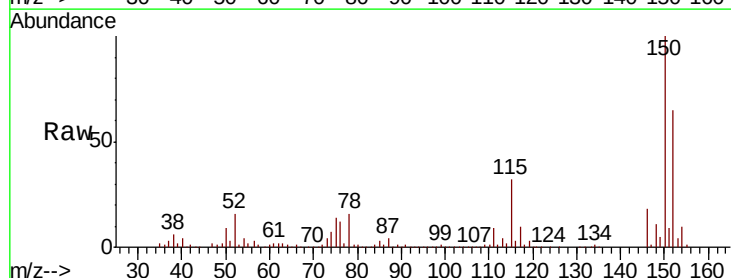
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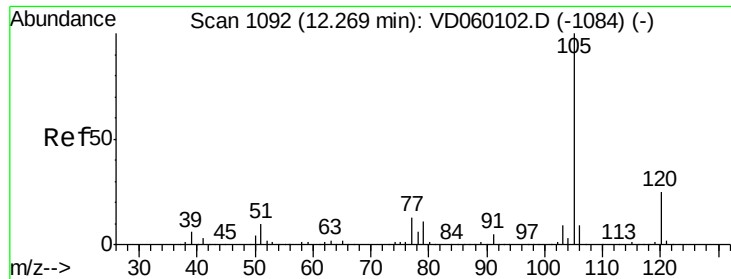
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.1	81.2
150	154.2	0.0	311.8





#73

Isopropylbenzene

Concen: 52.148 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3329195

Ion Ratio Lower Upper

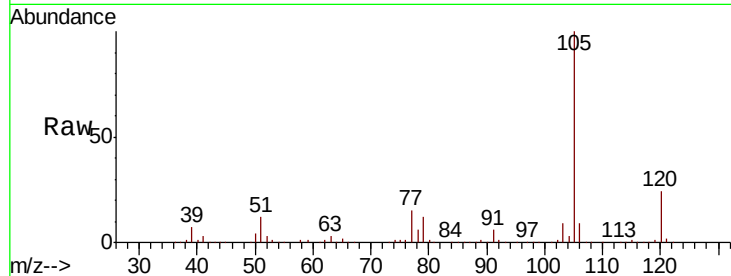
105 100

120 23.8 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

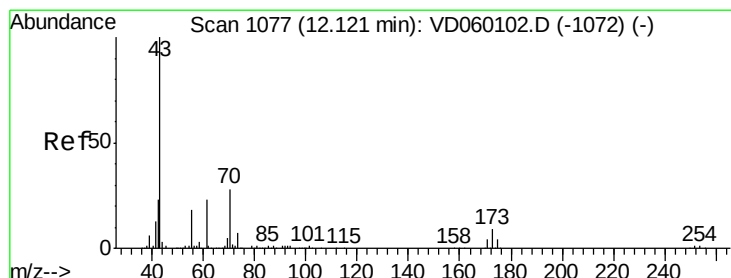
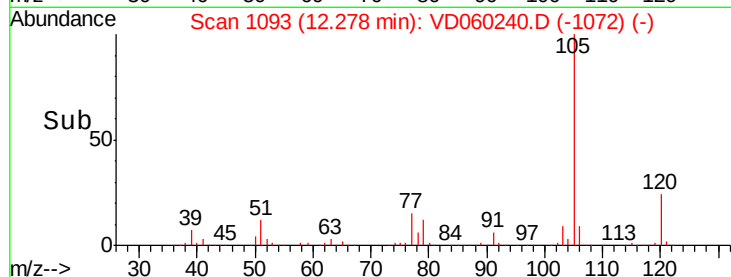
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 54.661 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tgt Ion: 43 Resp: 1278226

Ion Ratio Lower Upper

43 100

70 29.0 22.1 33.1

55 17.8 14.1 21.1

61 23.2 18.4 27.6

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

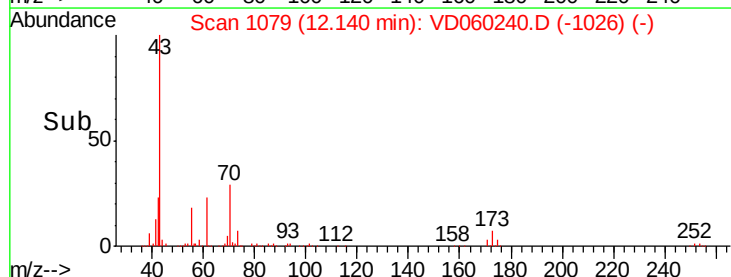
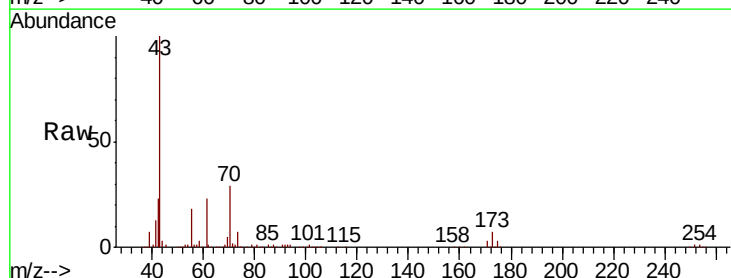
1000000

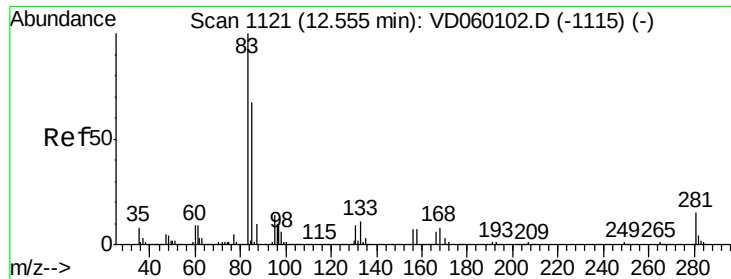
500000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.022 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 738998

Ion Ratio Lower Upper

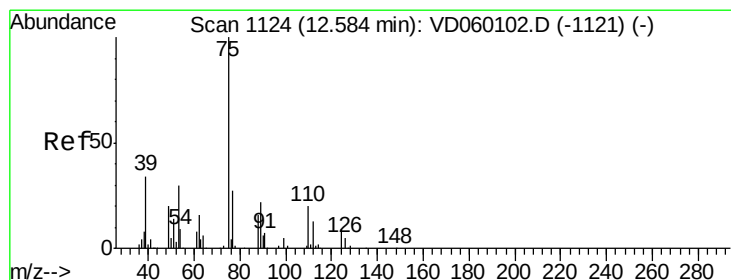
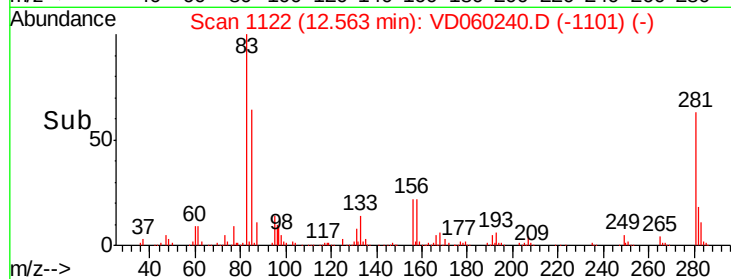
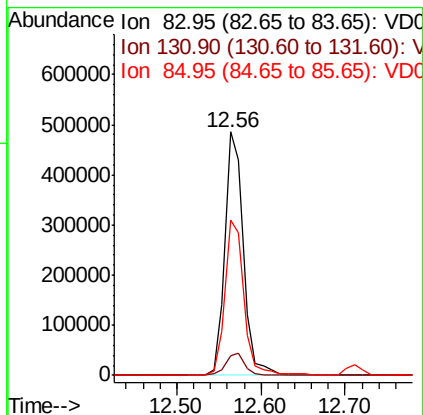
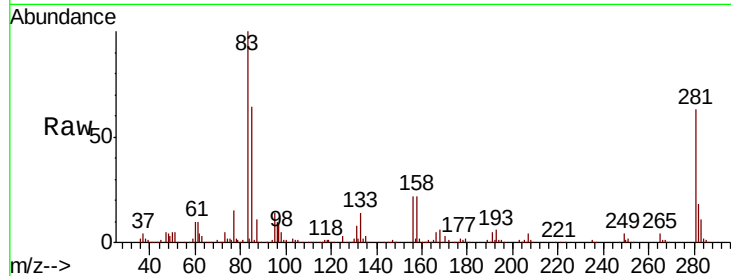
83 100

131 8.2 4.5 13.4

85 63.8 33.3 99.9

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#76

1,2,3-Trichloropropane

Concen: 55.461 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VD060240.D

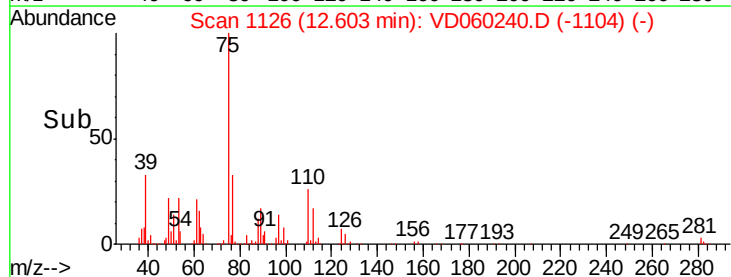
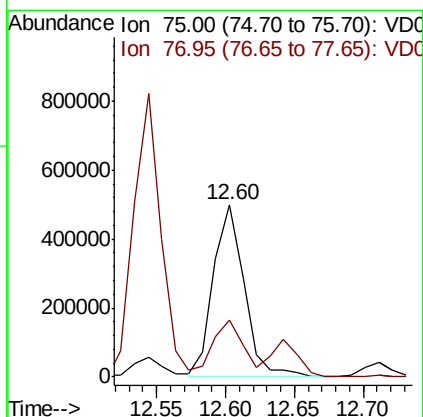
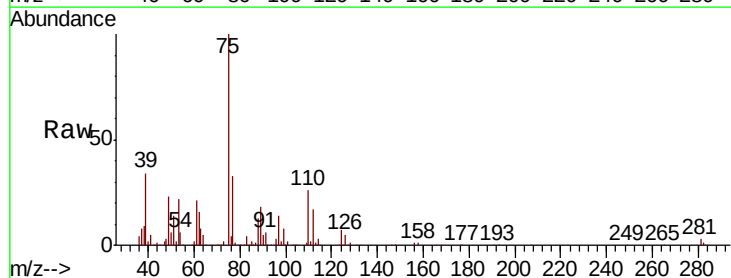
Acq: 31 Oct 2018 14:06

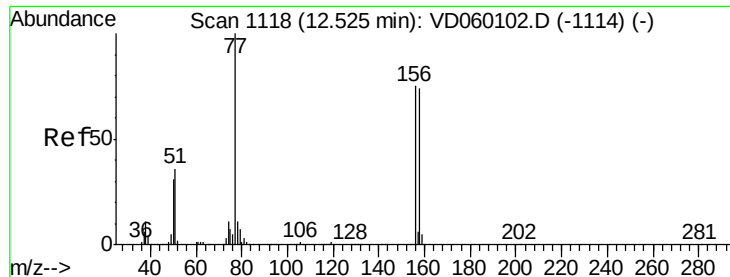
Tgt Ion: 75 Resp: 772911

Ion Ratio Lower Upper

75 100

77 33.2 16.3 48.9





#77

Bromobenzene

Concen: 50.436 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

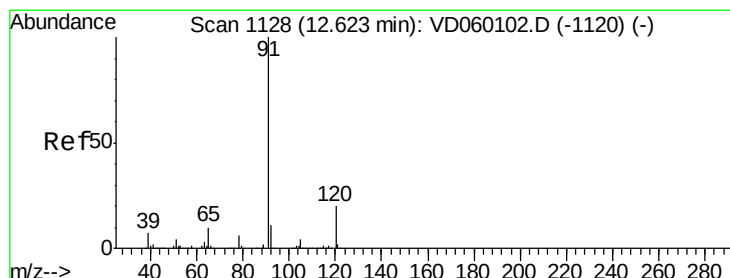
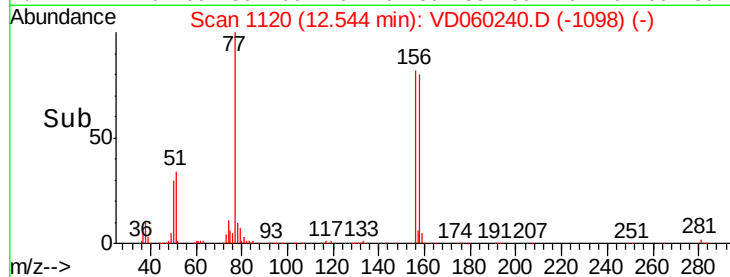
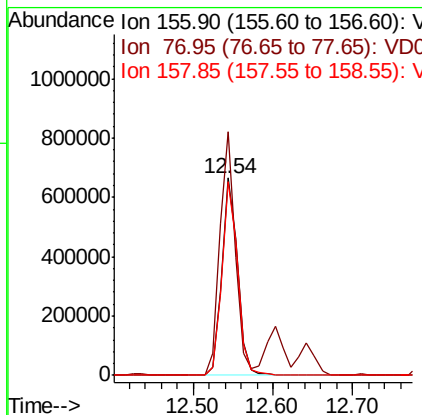
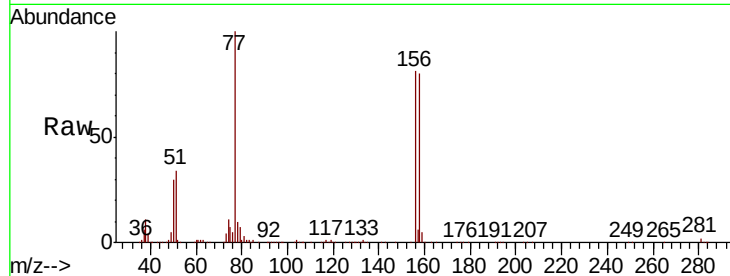
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	123.3	66.9	200.7
158	98.3	49.1	147.4

Manual Integrations
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#78

n-propylbenzene

Concen: 52.709 ug/l

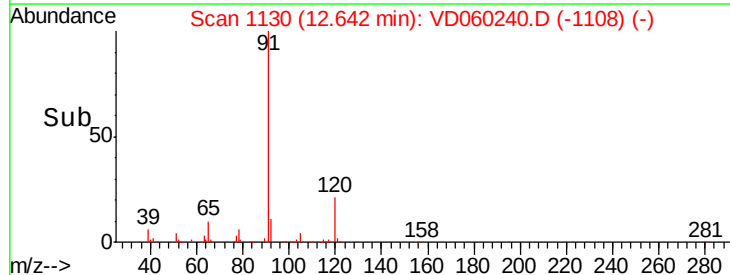
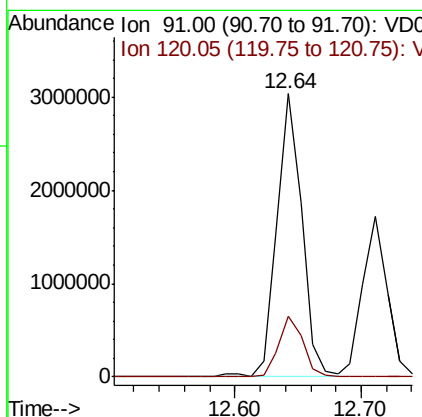
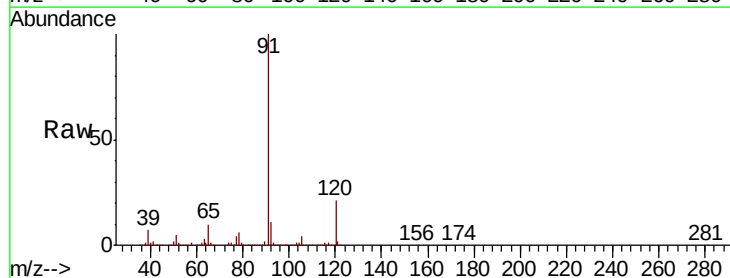
RT: 12.64 min Scan# 1130

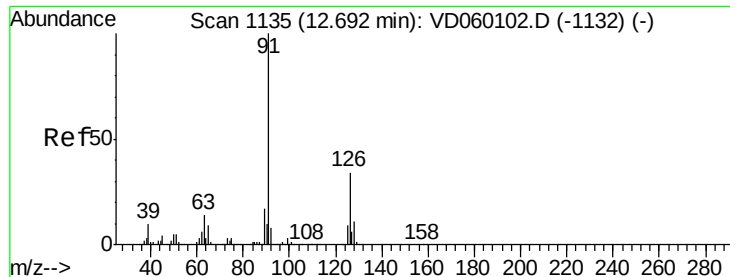
Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.0	30.0





#79

2-Chlorotoluene

Concen: 52.440 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2307207

Ion Ratio Lower Upper

91 100

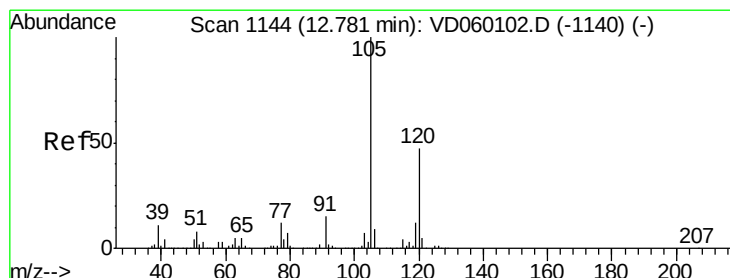
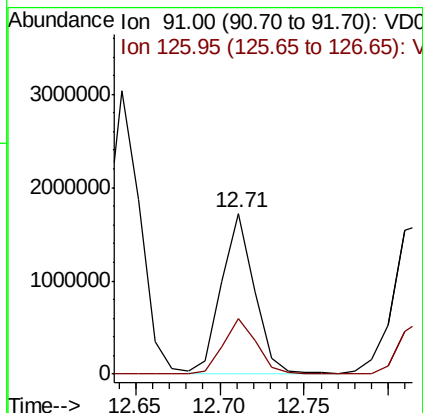
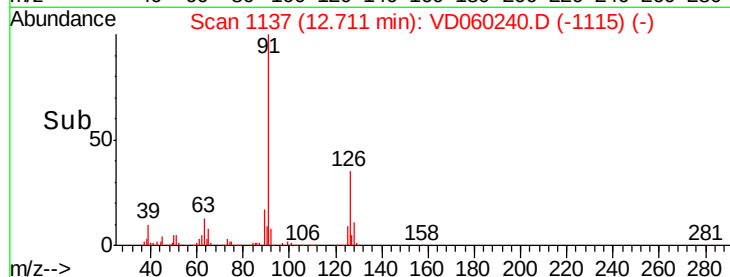
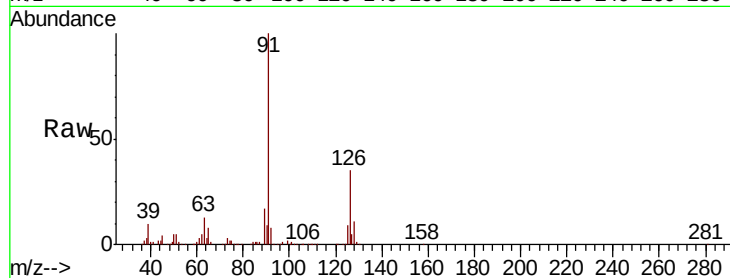
126 34.8 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.631 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VD060240.D

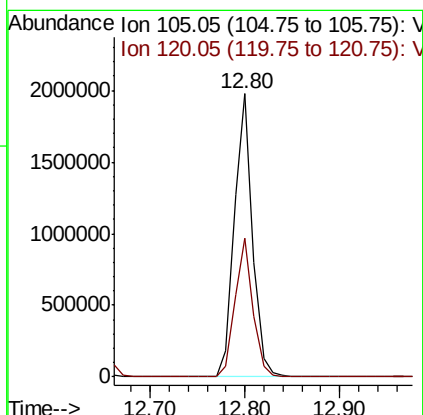
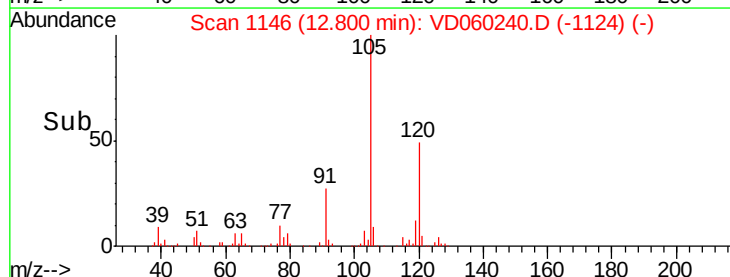
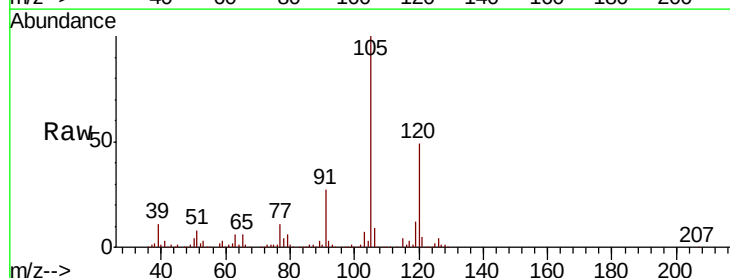
Acq: 31 Oct 2018 14:06

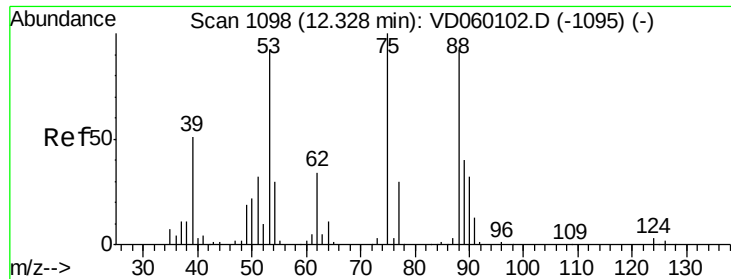
Tgt Ion: 105 Resp: 2600535

Ion Ratio Lower Upper

105 100

120 48.9 23.7 71.1





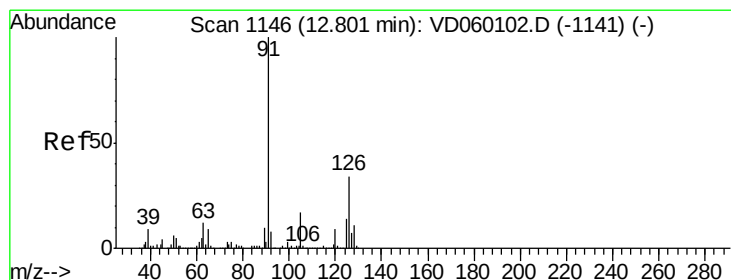
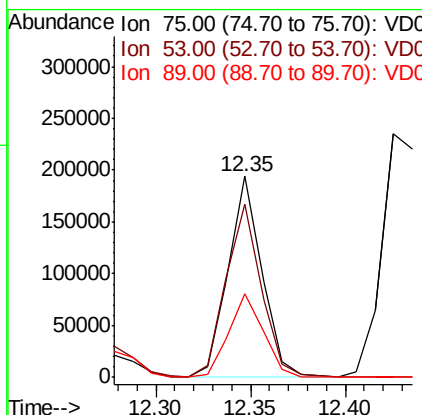
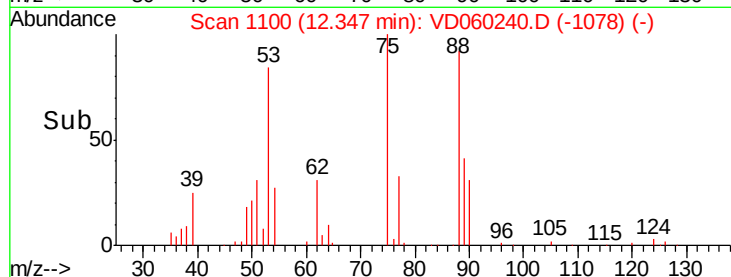
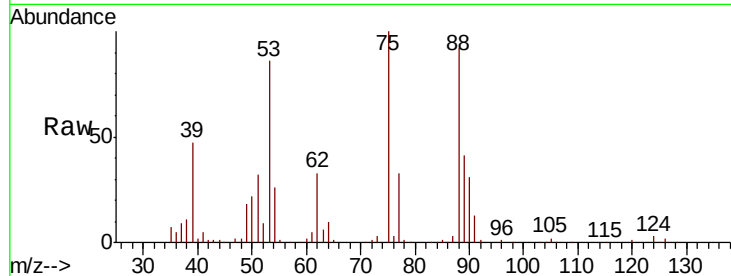
#81
trans-1,4-Dichloro-2-butene
Concen: 60.815 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	73.0	109.6
89	41.3	32.0	48.0

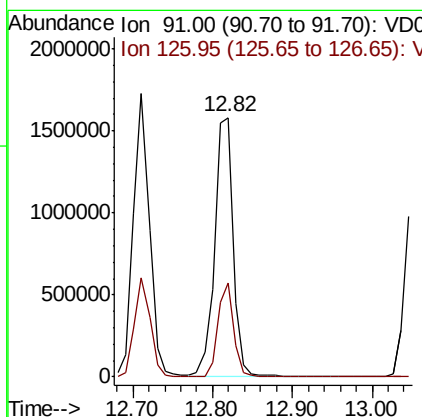
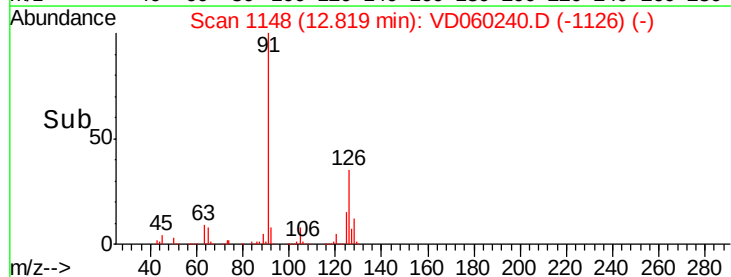
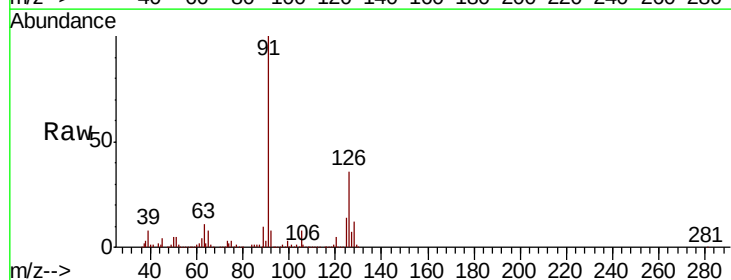
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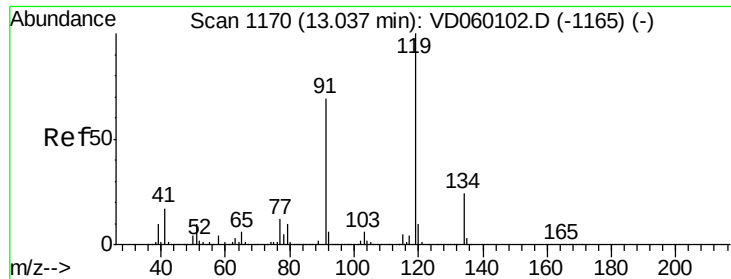
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#82
4-Chlorotoluene
Concen: 52.069 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.1	51.2





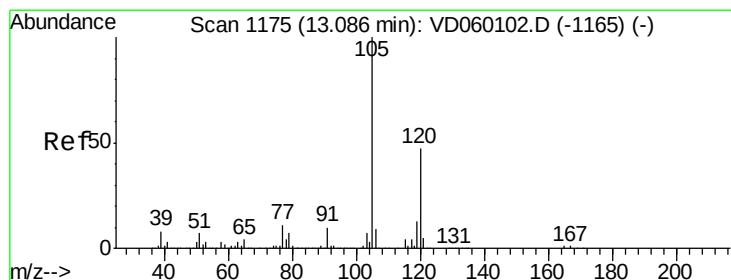
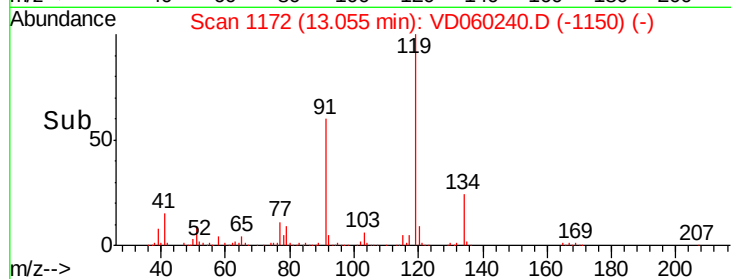
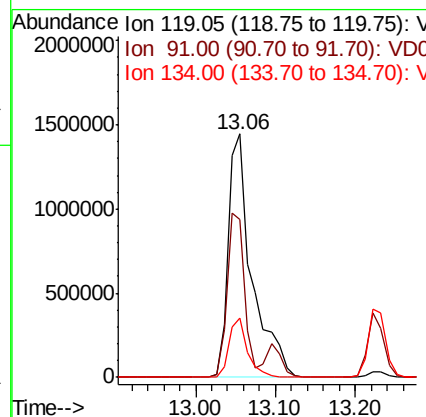
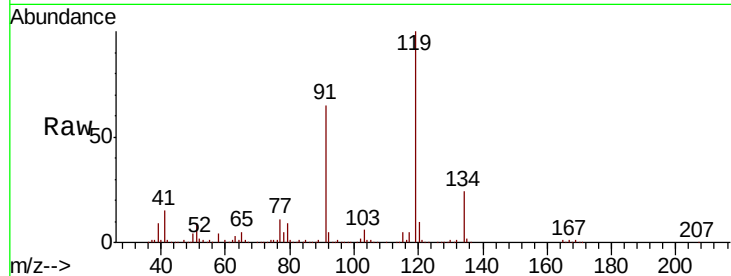
#83
 tert-Butylbenzene
 Concen: 53.082 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.02 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3009796
 Ion Ratio Lower Upper
 119 100
 91 65.0 34.8 104.4
 134 24.2 11.8 35.4

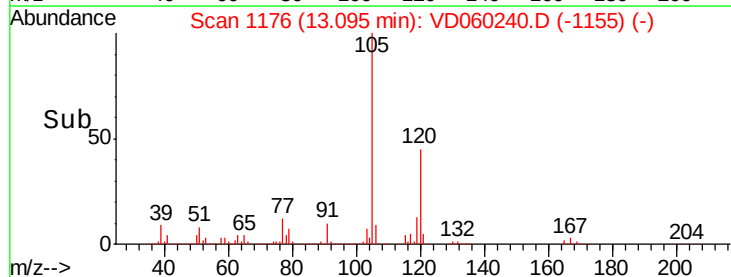
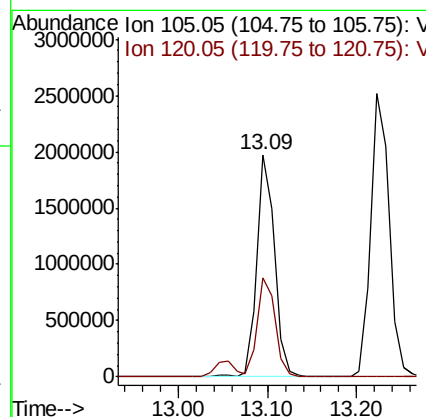
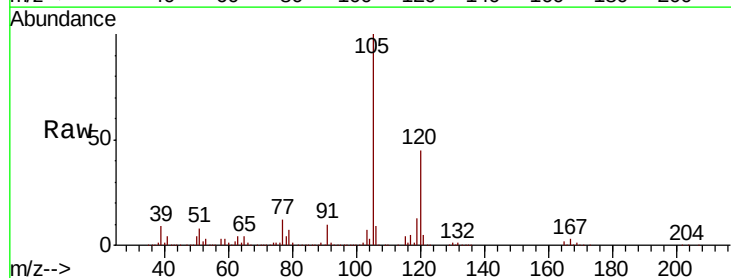
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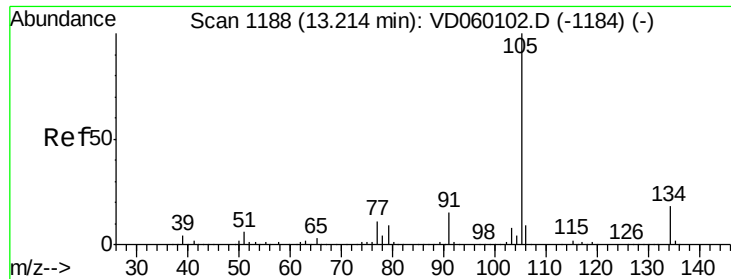
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.407 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion:105 Resp: 2677018
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.4 70.0





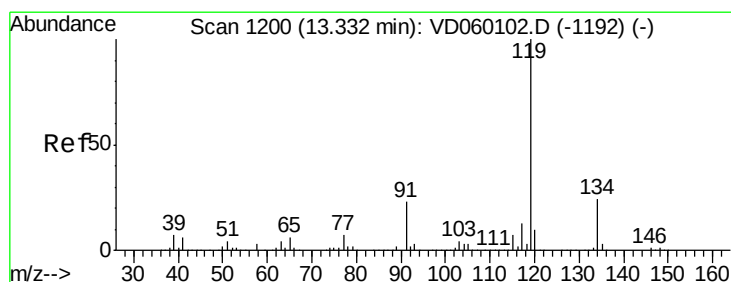
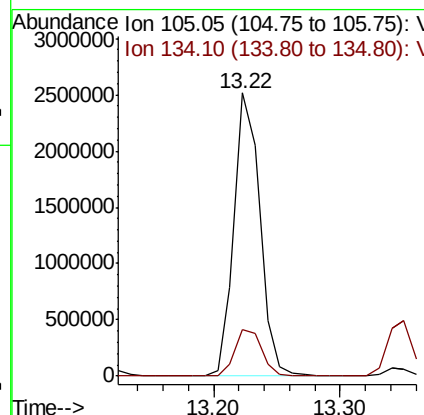
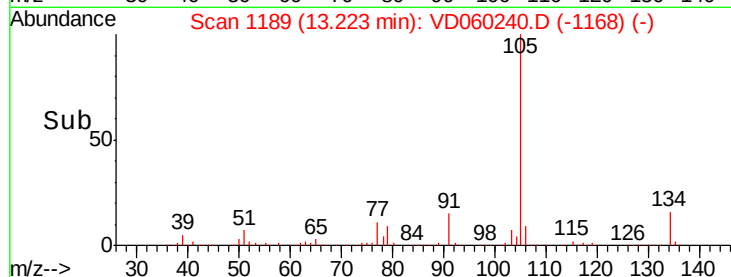
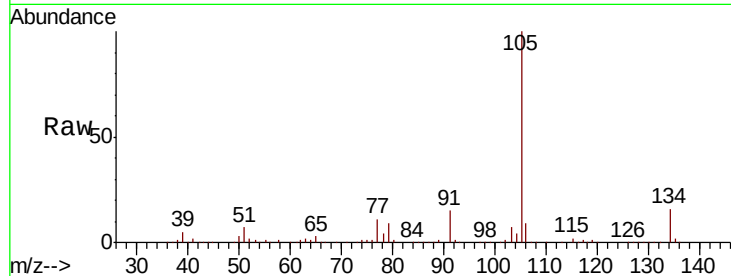
#85
 sec-Butylbenzene
 Concen: 52.939 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3549119
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.8 26.2

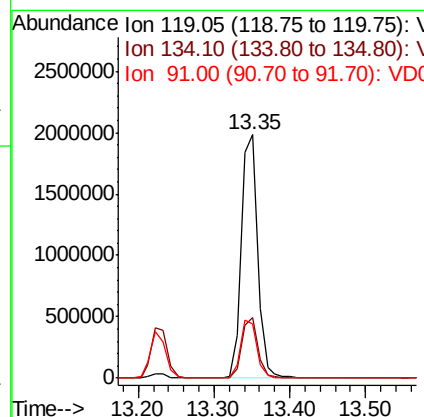
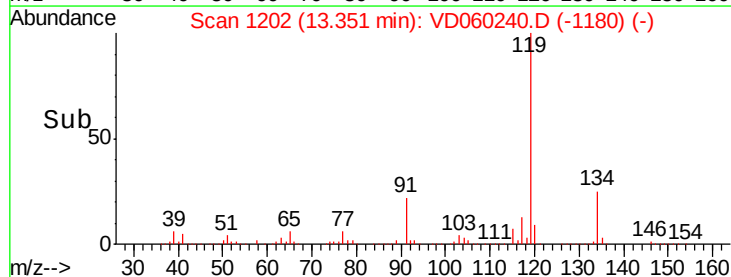
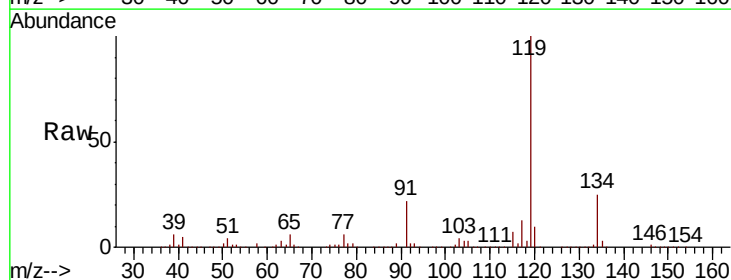
Manual Integrations
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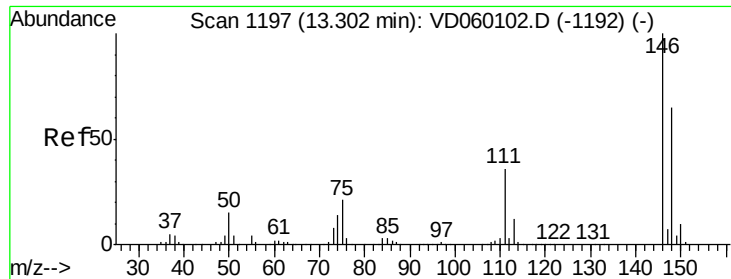
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#86
 p-Isopropyltoluene
 Concen: 52.639 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion:119 Resp: 2894508
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.3 36.8
 91 22.2 11.8 35.4





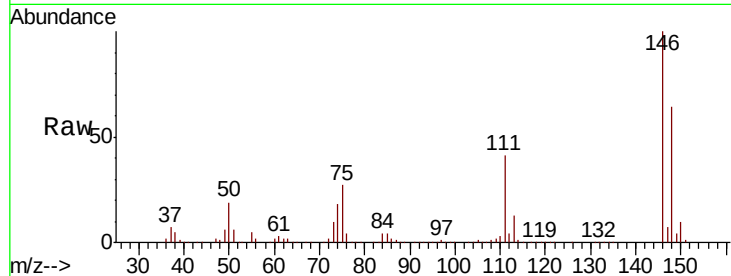
#87
 1,3-Dichlorobenzene
 Concen: 53.239 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

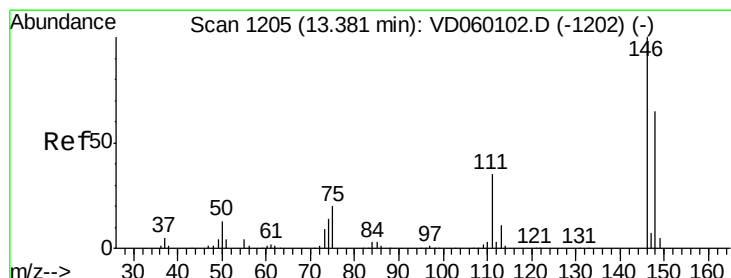
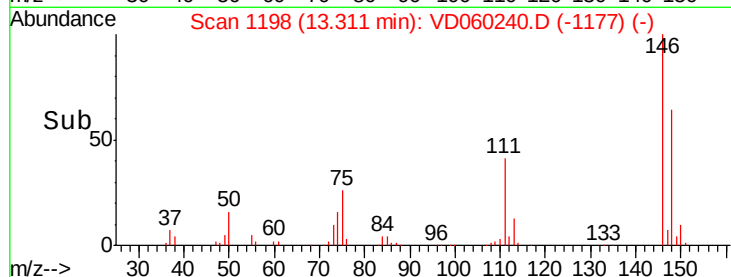
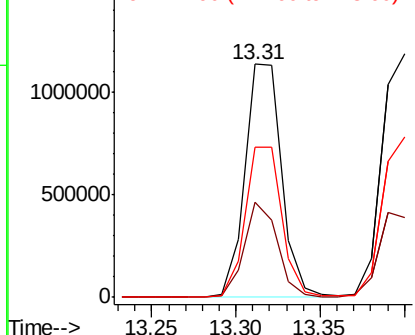
Tot Ion:146 Resp: 1720804
 Ion Ratio Lower Upper
 146 100
 111 40.9 18.1 54.3
 148 64.3 32.3 96.9

Manual Integrations
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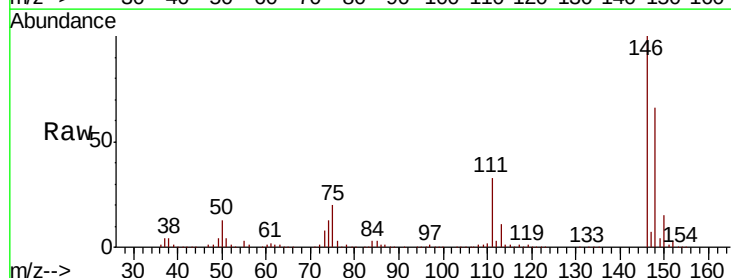


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

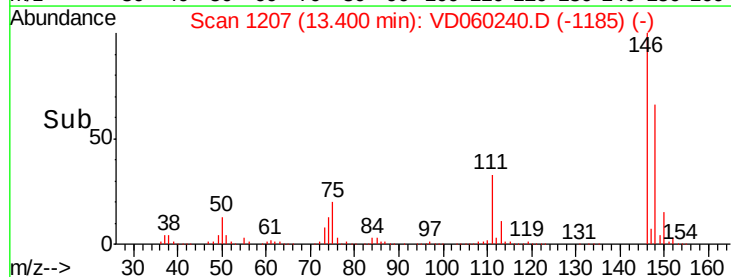
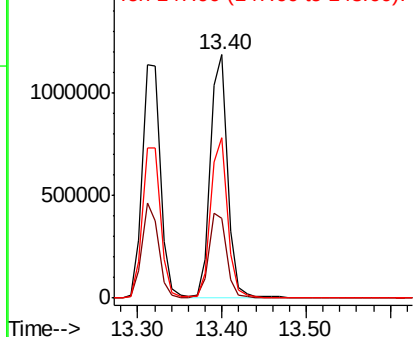


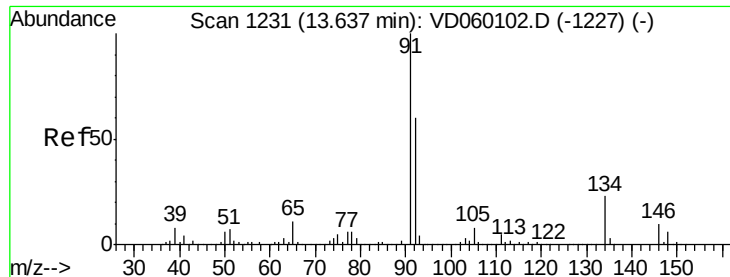
#88
 1,4-Dichlorobenzene
 Concen: 51.898 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.02 min
 Lab File: VD060240.D
 Acq: 31 Oct 2018 14:06

Tgt Ion:146 Resp: 1684925
 Ion Ratio Lower Upper
 146 100
 111 33.0 17.8 53.3
 148 65.8 32.4 97.2



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





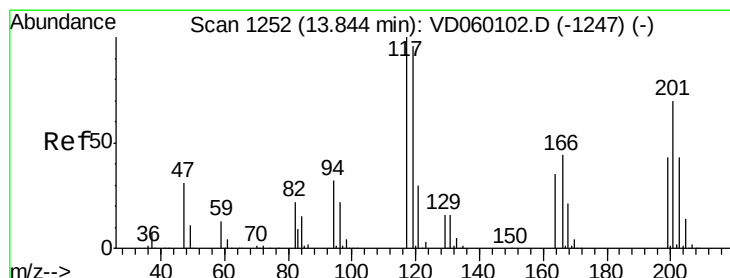
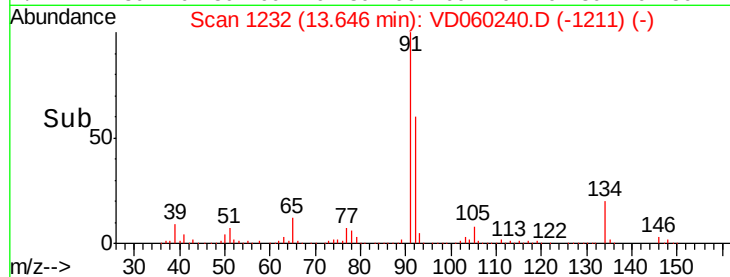
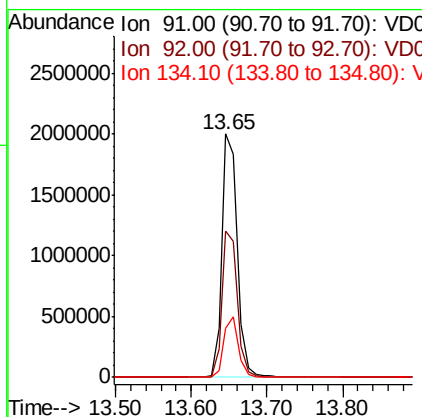
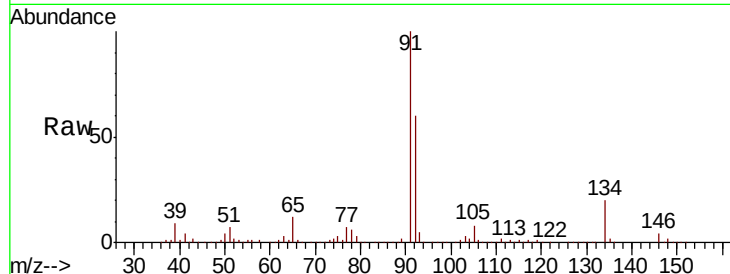
#89
n-Butylbenzene
Concen: 53.162 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2852410
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 20.2 11.6 34.7

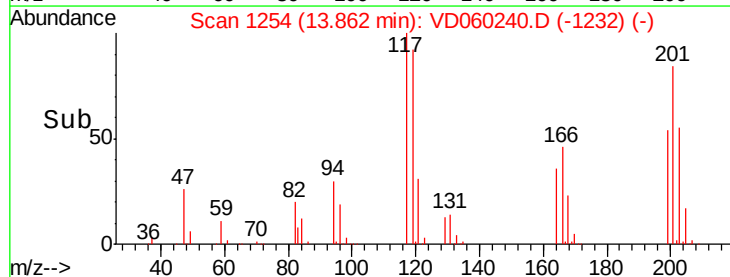
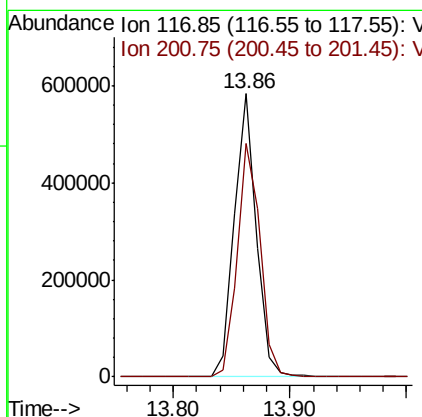
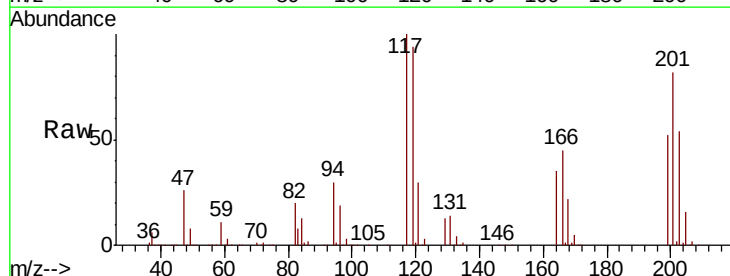
Manual Integrations
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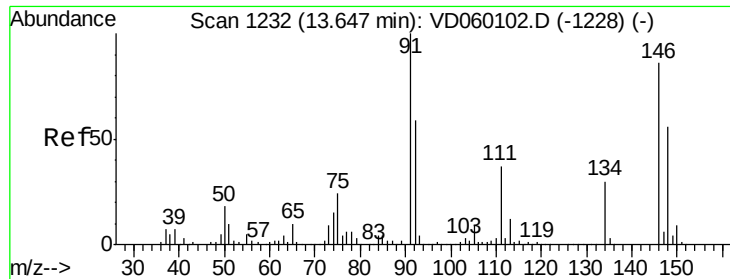
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11/1/2018 11:59:27 AM



#90
Hexachloroethane
Concen: 59.734 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion: 117 Resp: 760175
Ion Ratio Lower Upper
117 100
201 82.4 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 52.200 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1418674

Ion Ratio Lower Upper

146 100

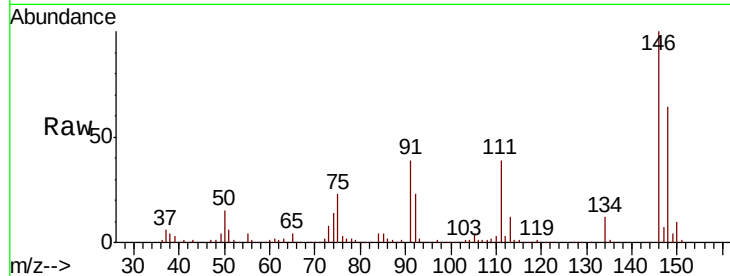
111 38.9 21.4 64.3

148 63.6 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

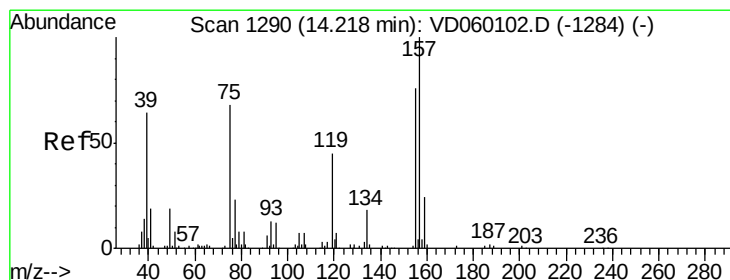
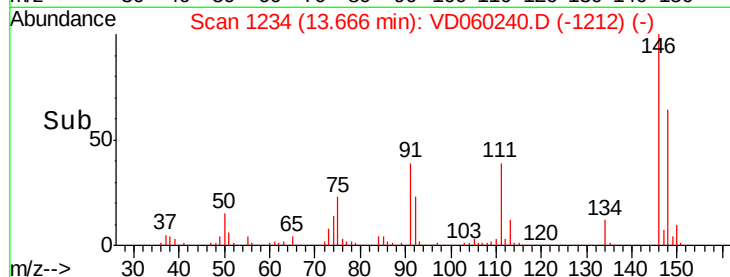
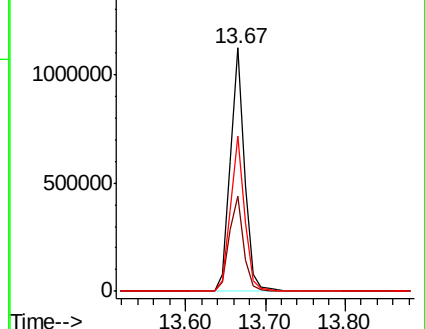
11/1/2018 11:59:27 AM



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: 57.130 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD060240.D

Acq: 31 Oct 2018 14:06

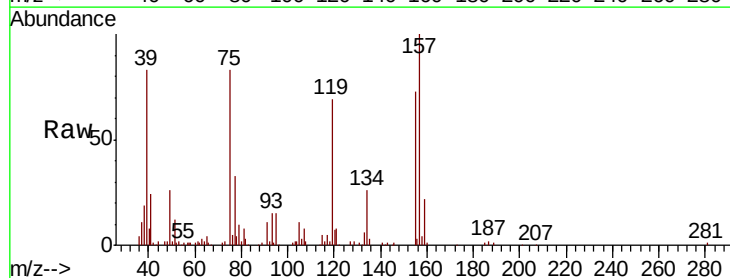
Tgt Ion: 75 Resp: 106316

Ion Ratio Lower Upper

75 100

155 87.7 55.9 167.7

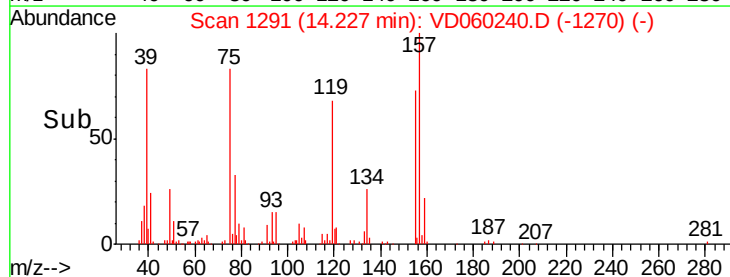
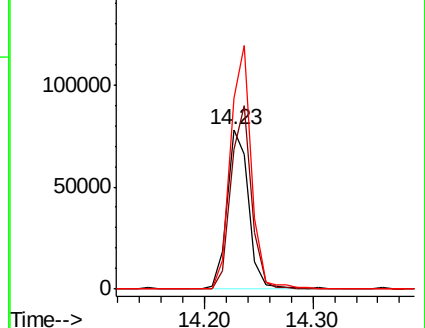
157 120.1 73.3 219.8

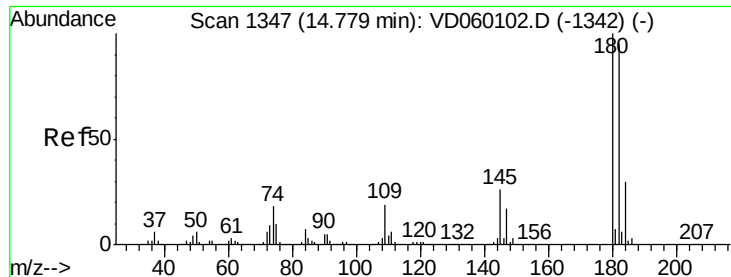


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





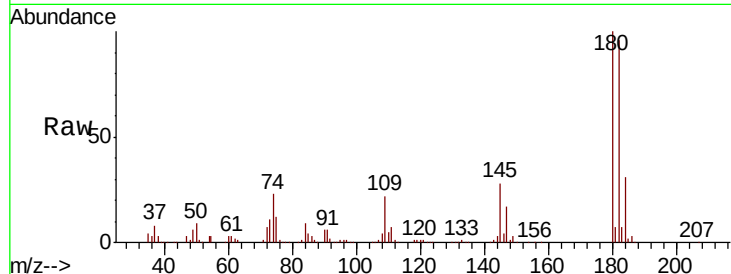
#93
1,2,4-Trichlorobenzene
Concen: 52.515 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	28.1	13.0	38.9

Manual Integrations
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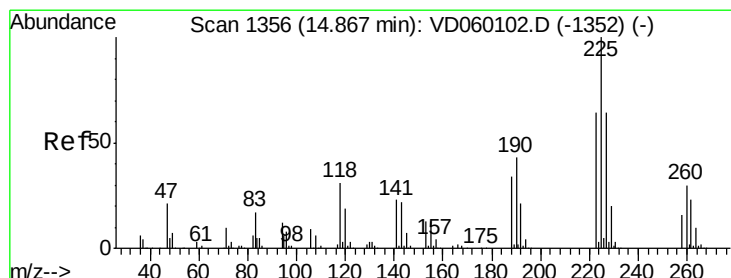
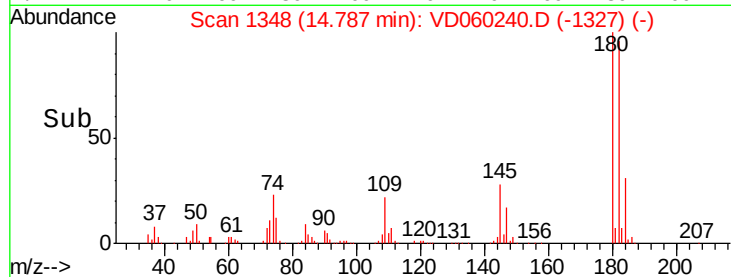
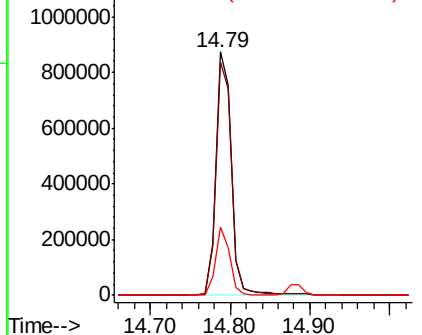


Abundance

Ion 179.85 (179.55 to 180.55): V

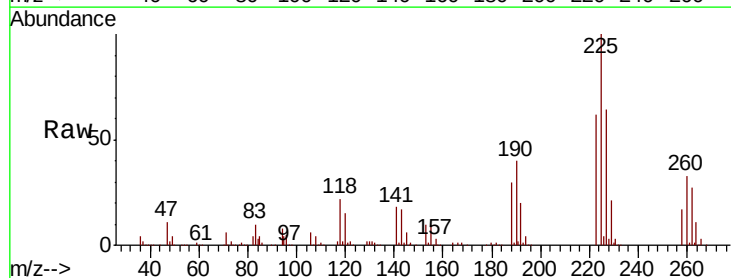
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 52.566 ug/l
RT: 14.89 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	64.0	32.0	96.0

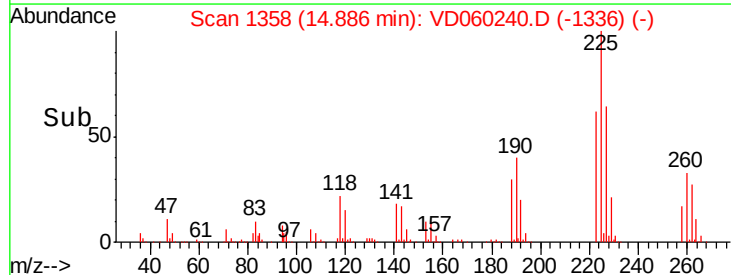
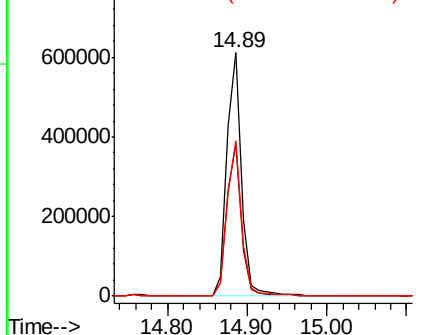


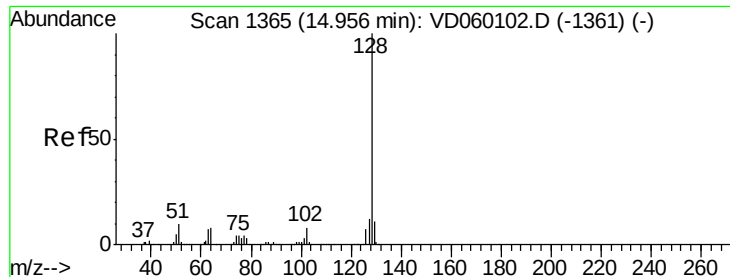
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





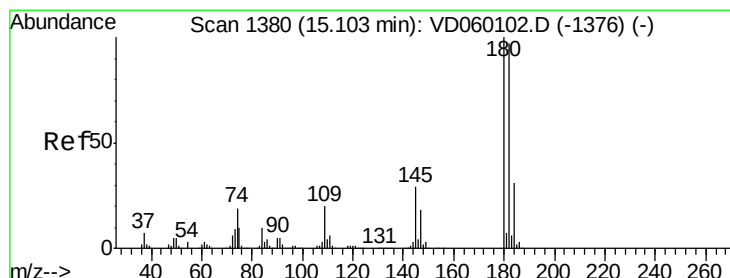
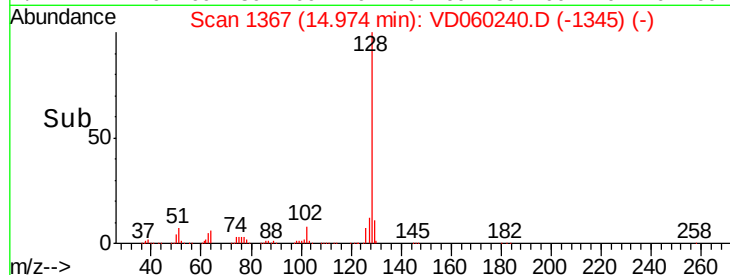
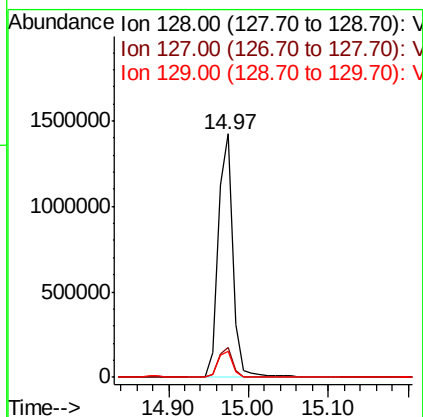
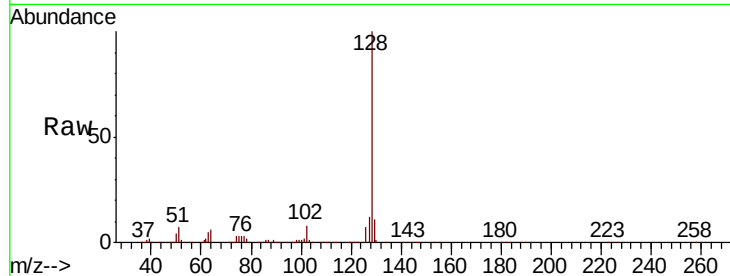
#95
Naphthalene
Concen: 54.299 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1856696
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.7 8.8 13.2

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#96
1,2,3-Trichlorobenzene
Concen: 51.372 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD060240.D
Acq: 31 Oct 2018 14:06

Tgt Ion:180 Resp: 1030876
Ion Ratio Lower Upper
180 100
182 96.2 48.4 145.0
145 24.9 14.5 43.6

