

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102618\
 Data File : VD060216.D
 Acq On : 26 Oct 2018 15:11
 Operator : JC/SY
 Sample : VD1026SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

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 10/29/2018 12:15:17 PM

Quant Time: Oct 27 00:06:47 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	6.40	168	1508526	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2048748	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1685089	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	932289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	575026	50.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	6.31	113	809156	52.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	9.45	98	2232844	50.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.42	95	871534	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	278706	19.641	ug/l 98
3) Chloromethane	1.75	50	278492	21.765	ug/l 100
4) Vinyl Chloride	1.85	62	242503	23.158	ug/l 97
5) Bromomethane	2.14	94	21855	16.622	ug/l 95
6) Chloroethane	2.25	64	54256	18.987	ug/l 94
7) Trichlorofluoromethane	2.50	101	271487	21.652	ug/l 98
8) Diethyl Ether	2.82	74	60859	23.604	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.08	101	189025	24.199	ug/l 98
10) Methyl Iodide	3.24	142	163262	19.709	ug/l 99
11) Tert butyl alcohol	3.97	59	75318	91.841	ug/l 96
12) 1,1-Dichloroethene	3.06	96	151177	24.567	ug/l 91
13) Acrolein	2.97	56	38613	76.379	ug/l 100
14) Allyl chloride	3.52	41	303798	23.770	ug/l 99
15) Acrylonitrile	4.08	53	360047	106.069	ug/l 97
16) Acetone	3.15	43	290864	140.183	ug/l 97
17) Carbon Disulfide	3.31	76	449163	21.705	ug/l 100
18) Methyl Acetate	3.54	43	91745	20.572	ug/l 93
19) Methyl tert-butyl Ether	4.11	73	601828	22.244	ug/l 98
20) Methylene Chloride	3.70	84	359380	19.370	ug/l 96
21) trans-1,2-Dichloroethene	4.09	96	347044	21.836	ug/l 97
22) Diisopropyl ether	4.84	45	1278153	22.393	ug/l 96
23) Vinyl Acetate	4.79	43	3520513	109.730	ug/l 99
24) 1,1-Dichloroethane	4.74	63	590071	22.801	ug/l 99
25) 2-Butanone	5.61	43	611557	117.979	ug/l 95
26) 2,2-Dichloropropane	5.57	77	473291	24.124	ug/l 94
27) cis-1,2-Dichloroethene	5.58	96	373598	22.187	ug/l 94
28) Bromochloromethane	5.92	49	278015	22.107	ug/l 92
29) Tetrahydrofuran	5.95	42	314860	104.574	ug/l 98
30) Chloroform	6.09	83	599842	22.914	ug/l 96
31) Cyclohexane	6.36	56	541285	21.849	ug/l 97
32) 1,1,1-Trichloroethane	6.28	97	488466	22.775	ug/l 99
36) 1,1-Dichloropropene	6.52	75	451307	23.052	ug/l 98
37) Ethyl Acetate	5.69	43	271196	20.870	ug/l 98
38) Carbon Tetrachloride	6.49	117	408542	22.992	ug/l 97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	500101	22.482	ug/l	98
40) Benzene	6.78	78	1149719	22.448	ug/l	99
41) Methacrylonitrile	5.91	41	120327m	16.382	ug/l	
42) 1,2-Dichloroethane	6.88	62	333280	22.697	ug/l	99
43) Isopropyl Acetate	8.34	43	353246	20.662	ug/l	100
44) Trichloroethene	7.73	130	342131	21.579	ug/l	99
45) 1,2-Dichloropropane	8.09	63	304467	22.703	ug/l	94
46) Dibromomethane	8.21	93	189608	21.838	ug/l	97
47) Bromodichloromethane	8.48	83	430058	23.246	ug/l	98
48) Methyl methacrylate	8.24	41	213571	21.931	ug/l	98
49) 1,4-Dioxane	8.22	88	40768	425.481	ug/l	89
51) 4-Methyl-2-Pentanone	9.33	43	1170968	108.593	ug/l	98
52) Toluene	9.54	92	734485	22.266	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	389007	23.239	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	474513	22.955	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	249324	23.121	ug/l	97
56) Ethyl methacrylate	10.02	69	248004	20.834	ug/l	89
57) 1,3-Dichloropropane	10.37	76	369838	22.487	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	755278	114.260	ug/l	97
59) 2-Hexanone	10.48	43	899642	116.025	ug/l	99
60) Dibromochloromethane	10.63	129	300162	22.687	ug/l	97
61) 1,2-Dibromoethane	10.75	107	243626	21.263	ug/l	99
64) Tetrachloroethene	10.25	164	329172	22.303	ug/l	96
65) Chlorobenzene	11.31	112	817433	22.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	283182	23.285	ug/l	96
67) Ethyl Benzene	11.43	91	1430601	24.221	ug/l	100
68) m/p-Xylenes	11.56	106	1066761	48.339	ug/l	97
69) o-Xylene	11.93	106	500600	22.934	ug/l	93
70) Styrene	11.95	104	813767	22.293	ug/l	97
71) Bromoform	12.12	173	202152	20.528	ug/l #	96
73) Isopropylbenzene	12.27	105	1404023	22.828	ug/l	98
74) N-amyl acetate	12.13	43	465429	20.659	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	275837	20.543	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	271877	20.250	ug/l	99
77) Bromobenzene	12.54	156	385434	21.565	ug/l	87
78) n-propylbenzene	12.64	91	1768594	23.158	ug/l	98
79) 2-Chlorotoluene	12.71	91	943181	22.252	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	1075368	22.591	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	72333	19.173	ug/l	98
82) 4-Chlorotoluene	12.80	91	1095787	22.857	ug/l	96
83) tert-Butylbenzene	13.04	119	1246297	22.815	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1142661	22.776	ug/l	97
85) sec-Butylbenzene	13.22	105	1457686	22.569	ug/l	99
86) p-Isopropyltoluene	13.34	119	1231387	23.245	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	698661	22.437	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	703206	22.483	ug/l	99
89) n-Butylbenzene	13.64	91	1230153	23.798	ug/l	97
90) Hexachloroethane	13.86	117	261853	21.358	ug/l	64
91) 1,2-Dichlorobenzene	13.66	146	587985	22.457	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35915	20.032	ug/l	77

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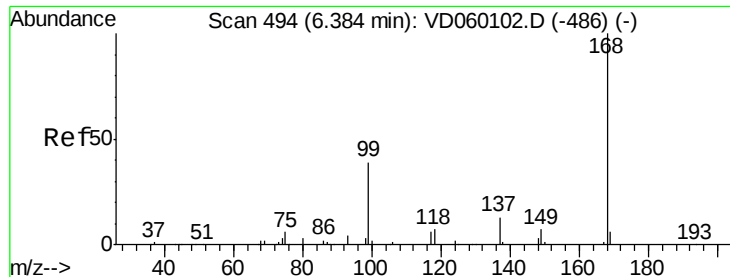
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	477336	21.479	ug/l	98
94) Hexachlorobutadiene	14.88	225	327210	22.150	ug/l	99
95) Naphthalene	14.97	128	656460	19.928	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	393886	20.374	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:168 Resp: 1508526

Ion Ratio Lower Upper

168 100

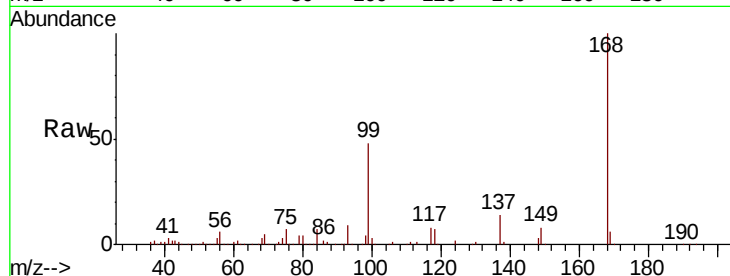
99 47.9 35.4 53.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

300000

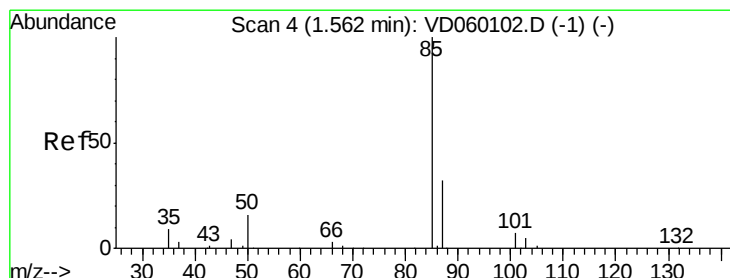
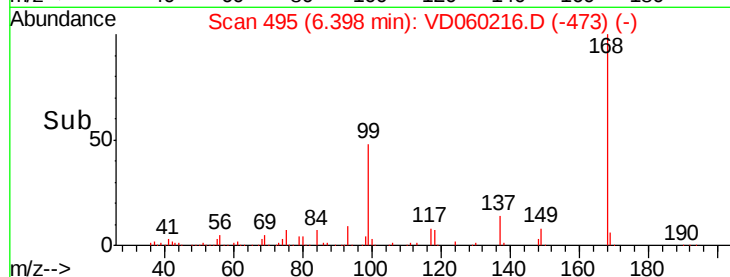
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 19.641 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060216.D

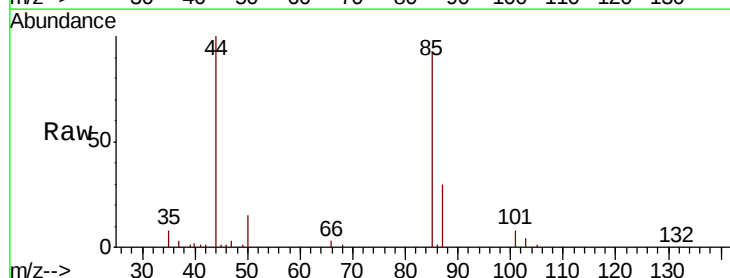
Acq: 26 Oct 2018 15:11

Tgt Ion: 85 Resp: 278706

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

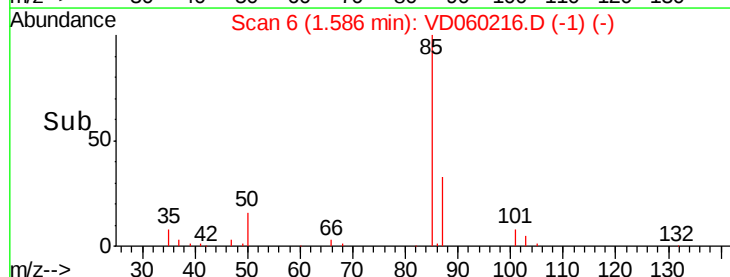
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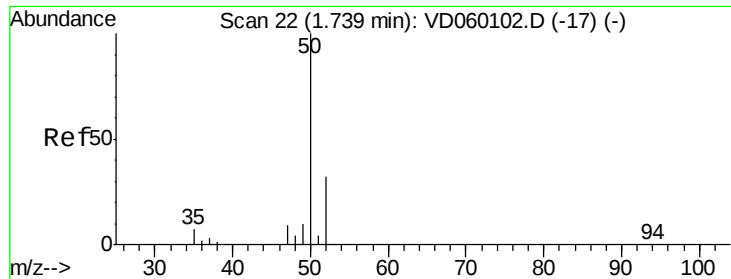
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.765 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 50 Resp: 278492

Ion Ratio Lower Upper

50 100

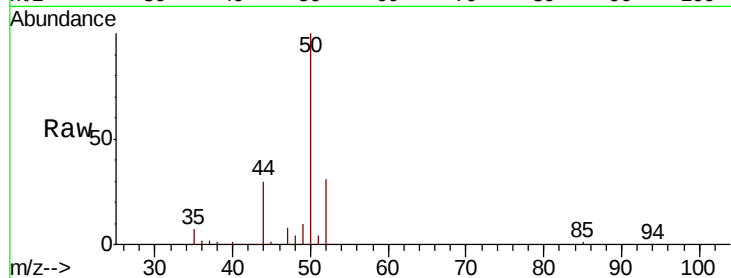
52 31.5 25.3 37.9

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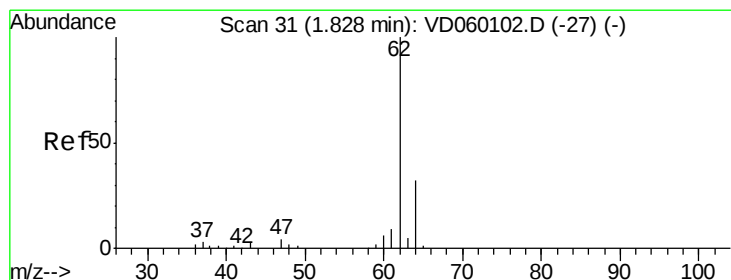
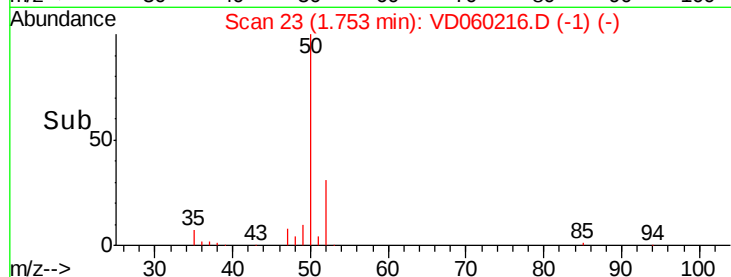
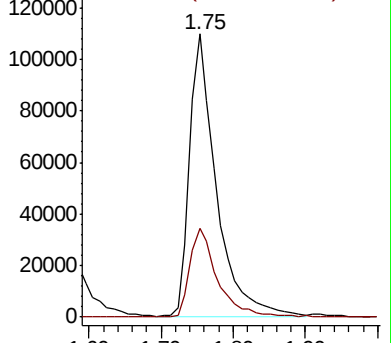
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.158 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060216.D

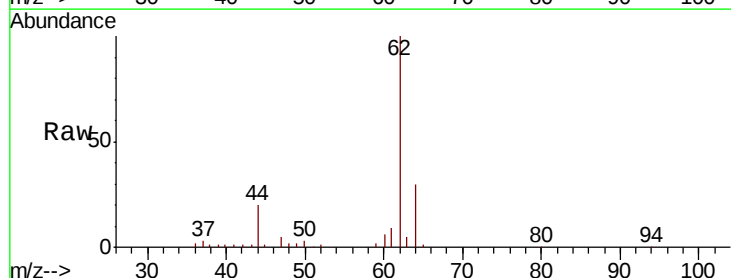
Acq: 26 Oct 2018 15:11

Tgt Ion: 62 Resp: 242503

Ion Ratio Lower Upper

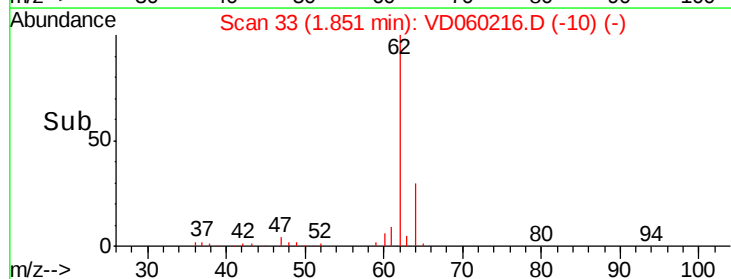
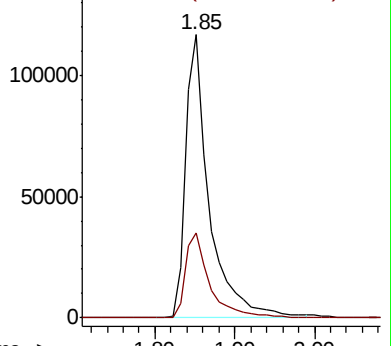
62 100

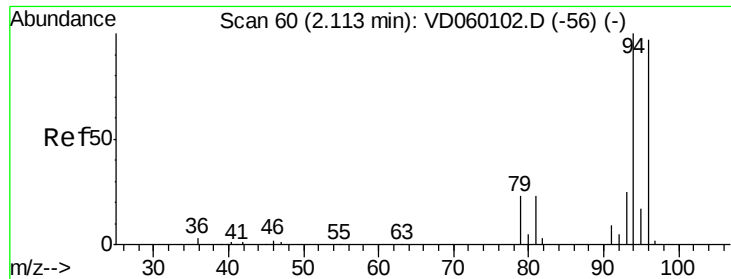
64 29.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





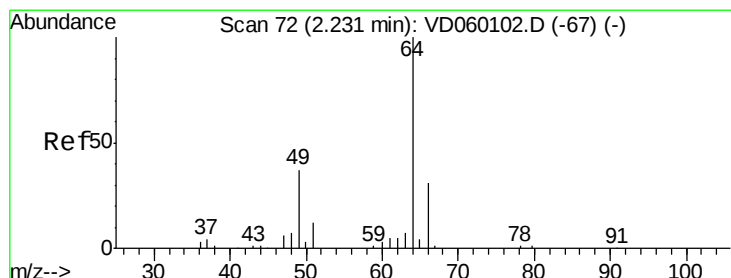
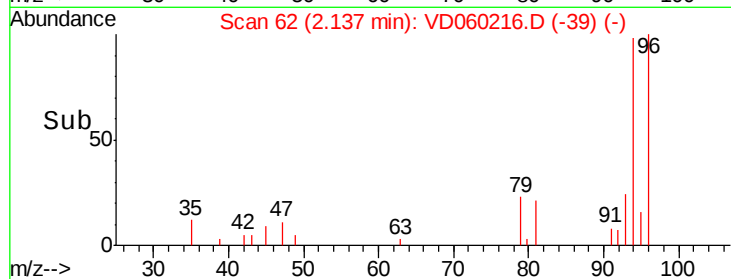
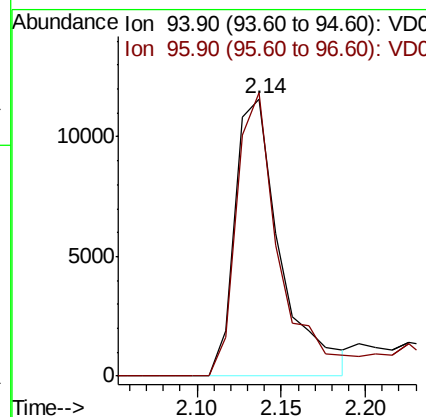
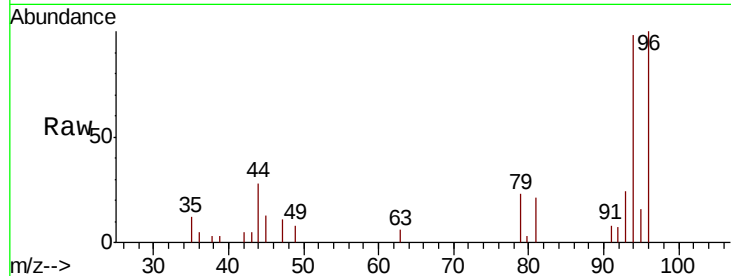
#5
Bromomethane
Concen: 16.622 ug/l
RT: 2.14 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
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Tot Ion: 94 Resp: 21855
Ion Ratio Lower Upper
94 100
96 102.2 77.4 116.2

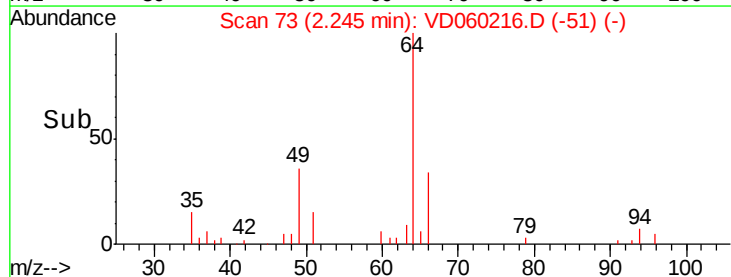
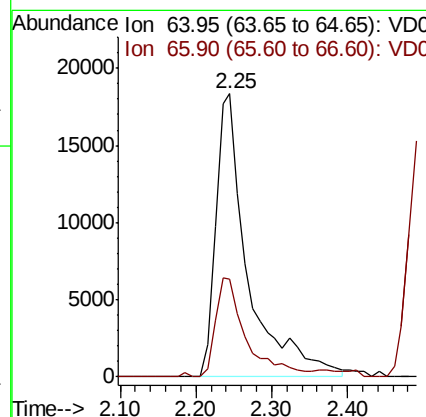
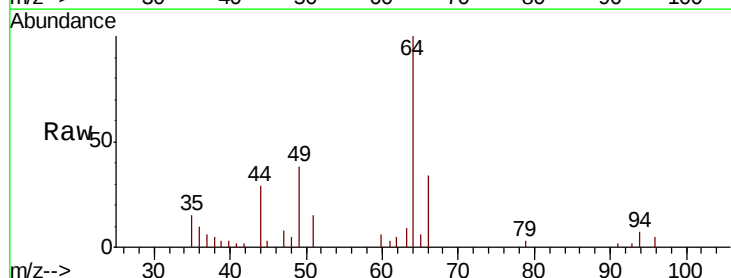
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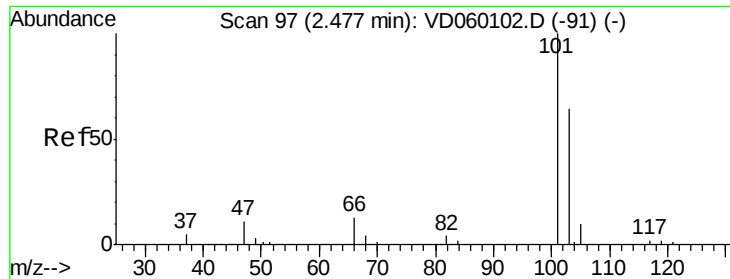
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#6
Chloroethane
Concen: 18.987 ug/l
RT: 2.25 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion: 64 Resp: 54256
Ion Ratio Lower Upper
64 100
66 34.3 24.6 37.0





#7

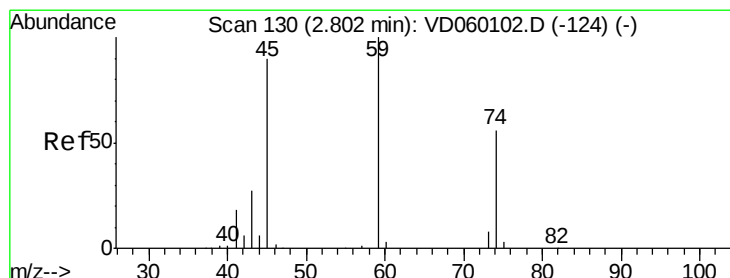
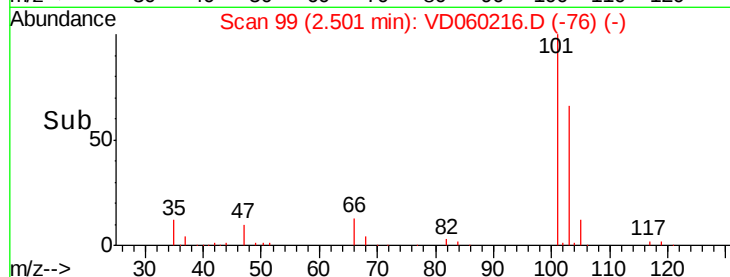
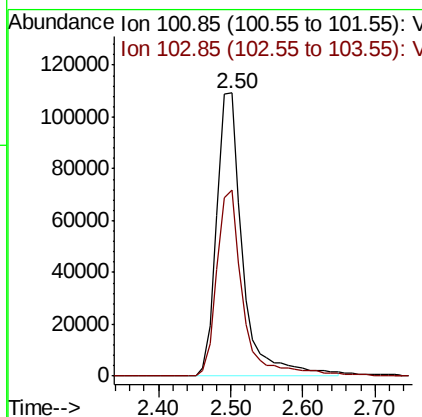
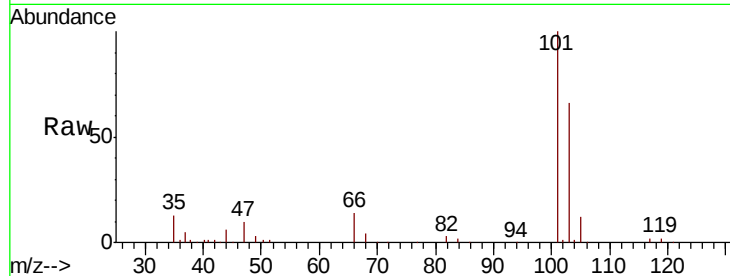
Trichlorofluoromethane
 Concen: 21.652 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

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 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.5	77.3

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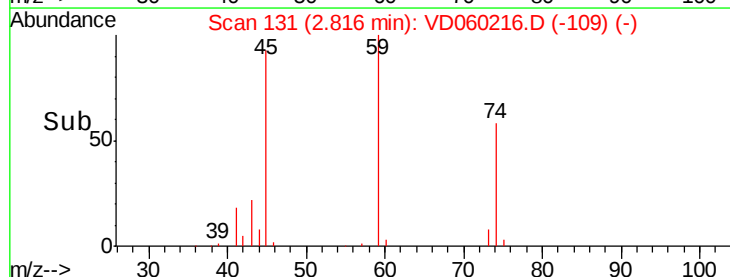
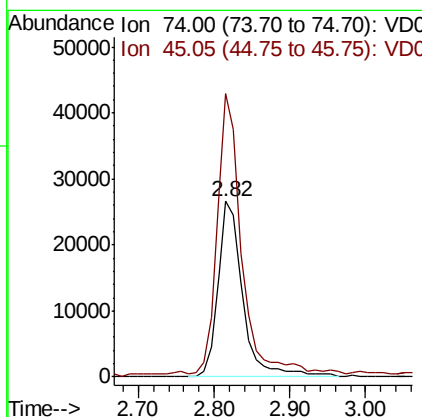
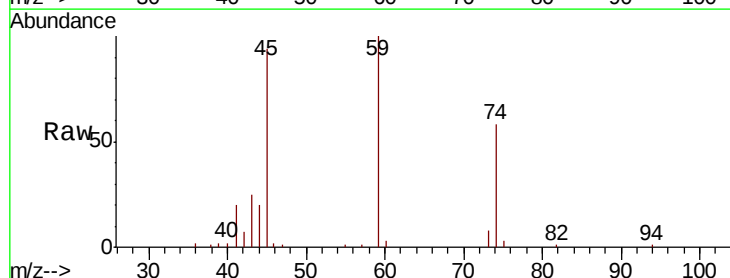
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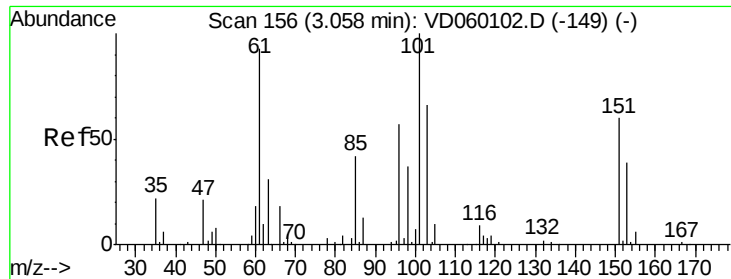


#8

Diethyl Ether
 Concen: 23.604 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	161.1	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.199 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

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MSVOA_D

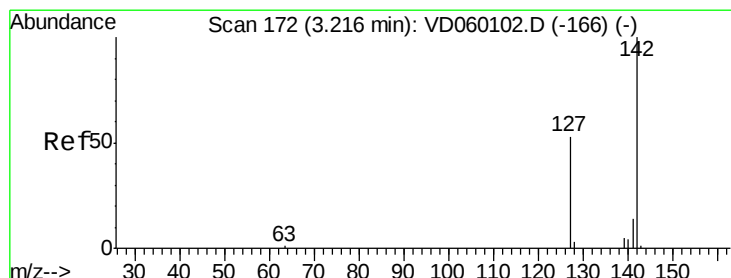
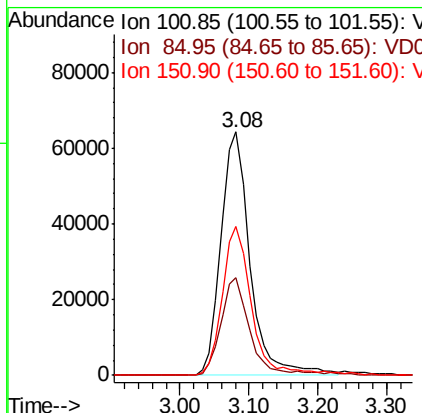
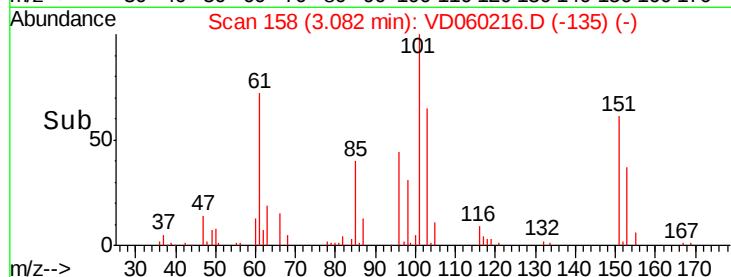
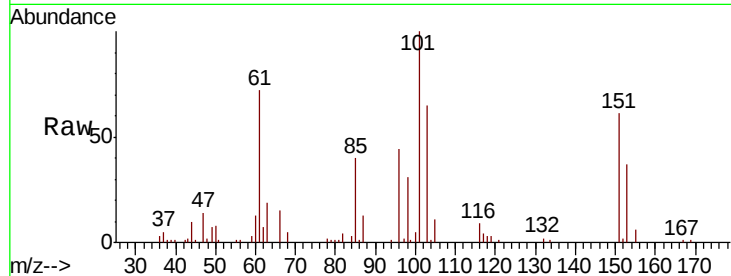
ClientSampleId :

VD1026SBS01

Tot Ion:	101	Resp:	189025
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.4	50.0
151	60.9	48.0	72.0

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#10

Methyl Iodide

Concen: 19.709 ug/l

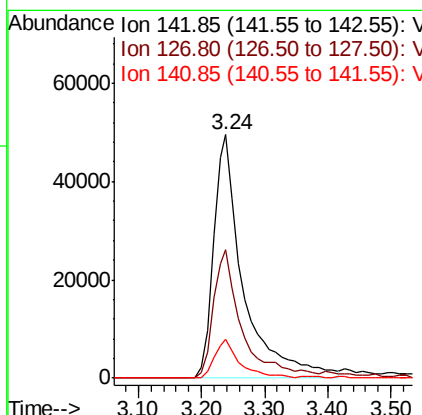
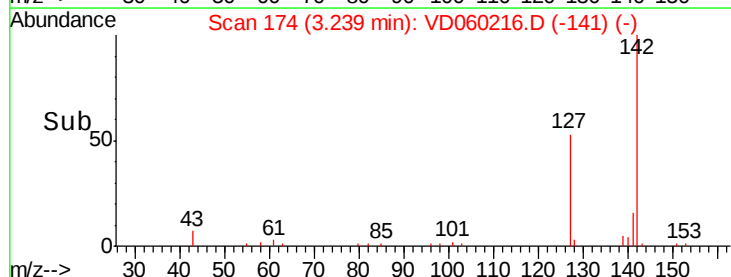
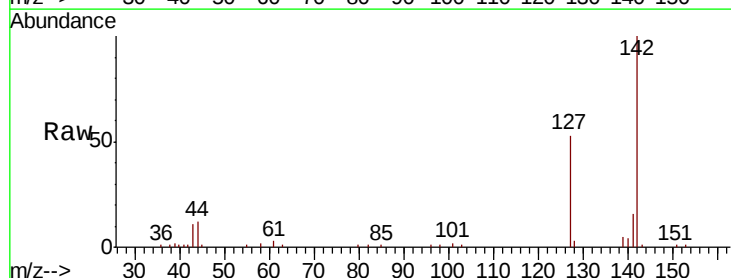
RT: 3.24 min Scan# 174

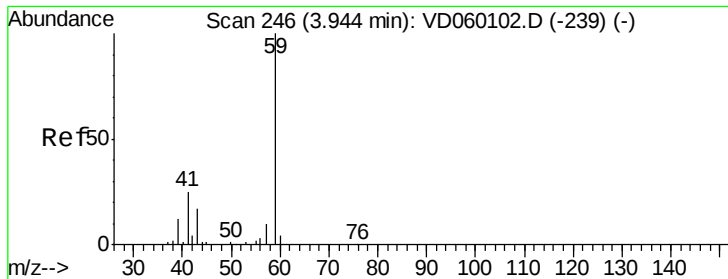
Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tgt Ion:	142	Resp:	163262
Ion Ratio	Lower	Upper	
142	100		
127	52.9	42.0	63.0
141	15.7	11.4	17.0





#11

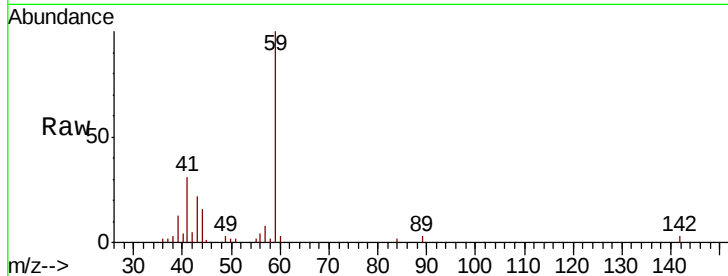
Tert butyl alcohol
Concen: 91.841 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

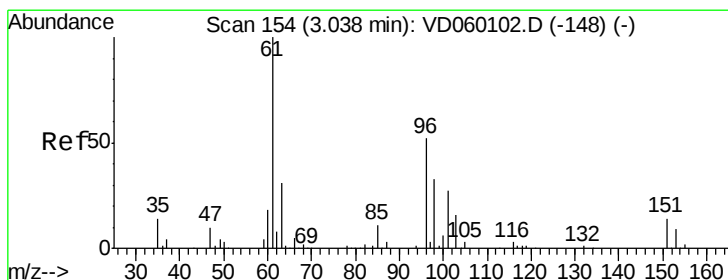
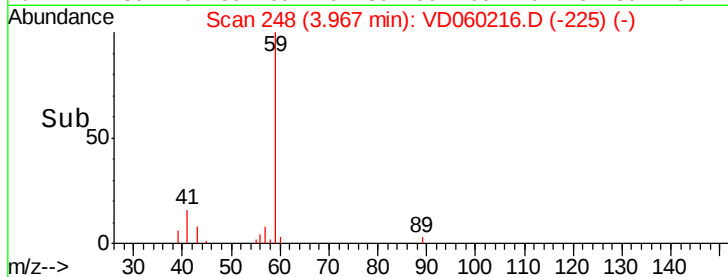
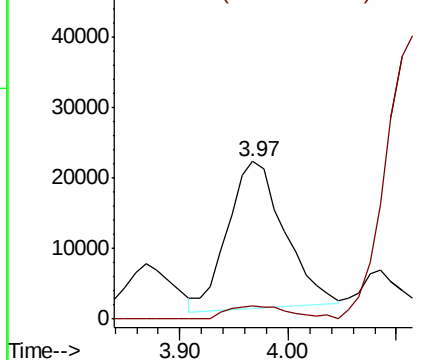
Tot Ion: 59 Resp: 75318
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.6

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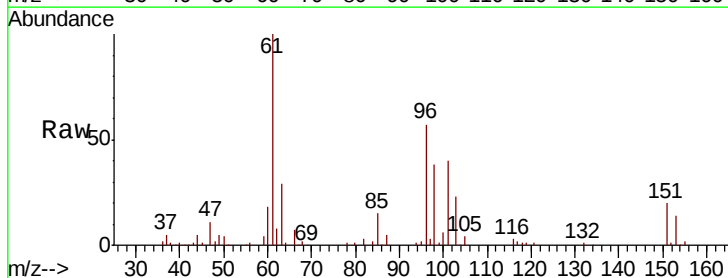
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



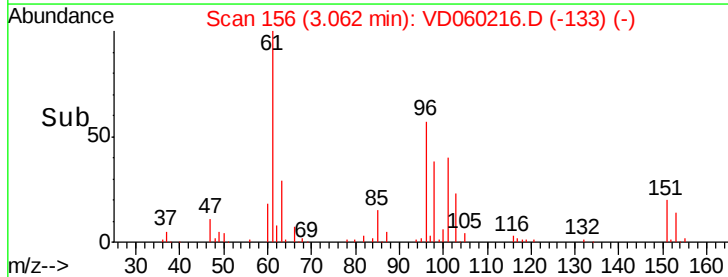
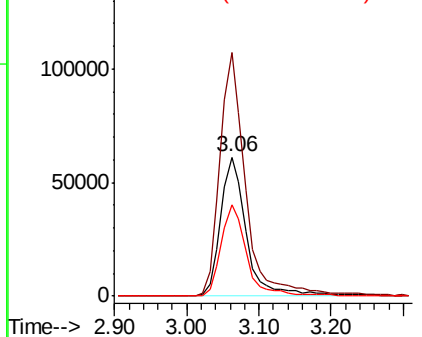
#12

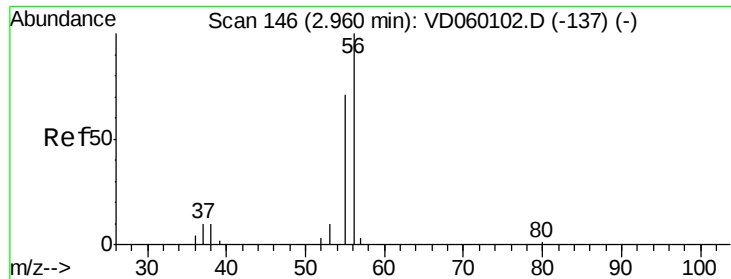
1,1-Dichloroethene
Concen: 24.567 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion: 96 Resp: 151177
Ion Ratio Lower Upper
96 100
61 175.0 153.0 229.4
98 65.6 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 76.379 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 56 Resp: 38613

Ion Ratio Lower Upper

56 100

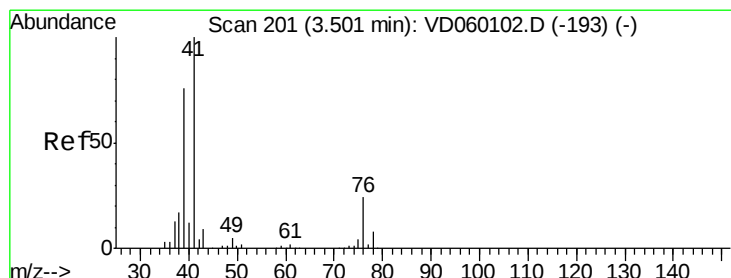
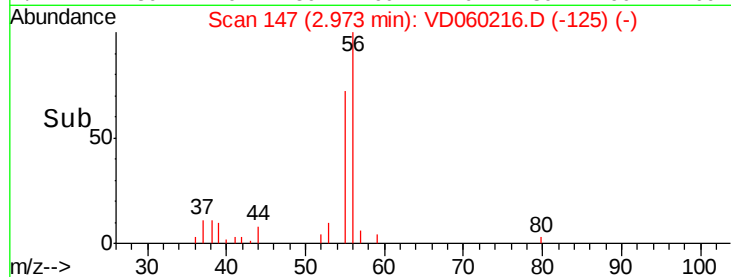
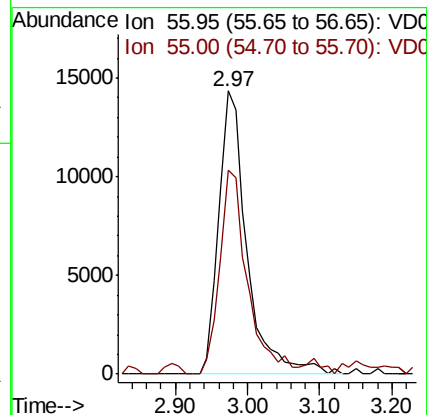
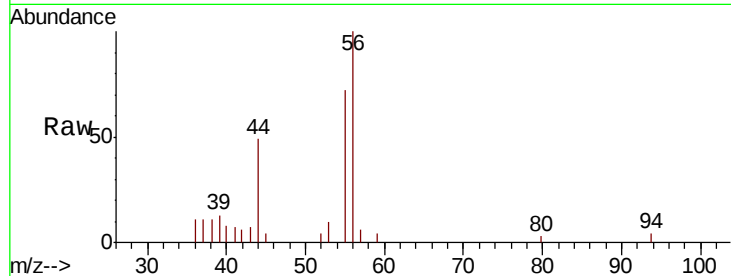
55 72.0 57.4 86.2

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#14

Allyl chloride

Concen: 23.770 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

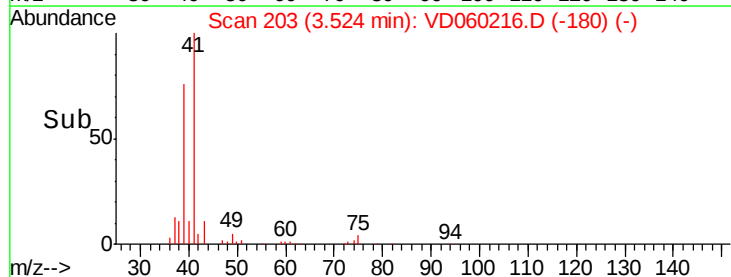
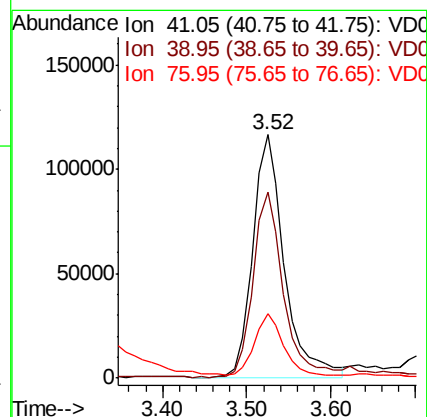
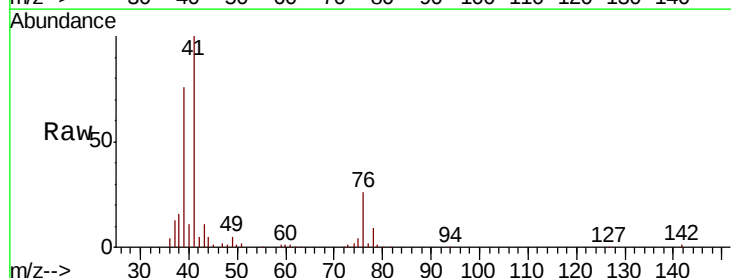
Tgt Ion: 41 Resp: 303798

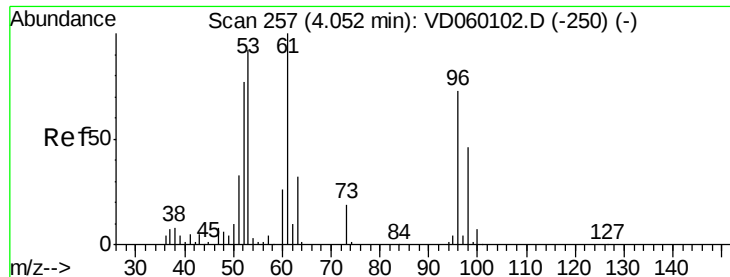
Ion Ratio Lower Upper

41 100

39 76.5 60.6 90.8

76 26.3 21.3 31.9





#15

Acrylonitrile

Concen: 106.069 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 53 Resp: 360047
Ion Ratio Lower Upper

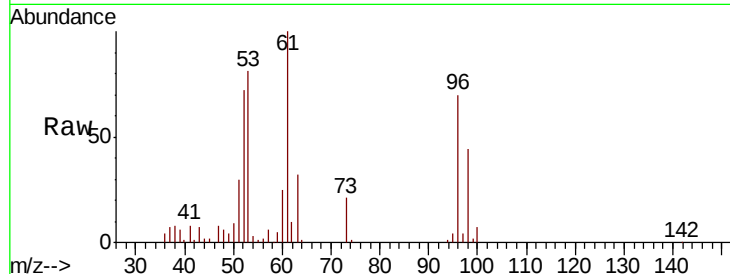
53 100

52 88.3 67.5 101.3

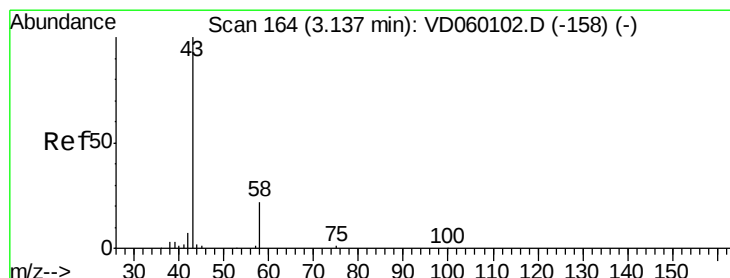
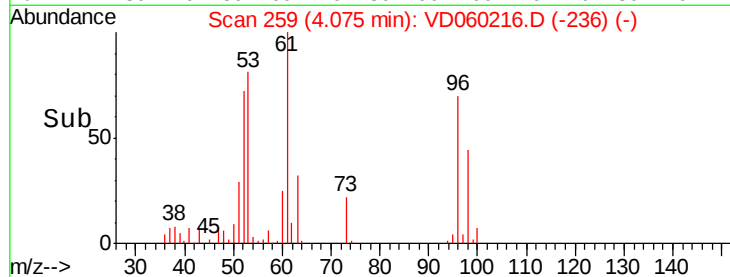
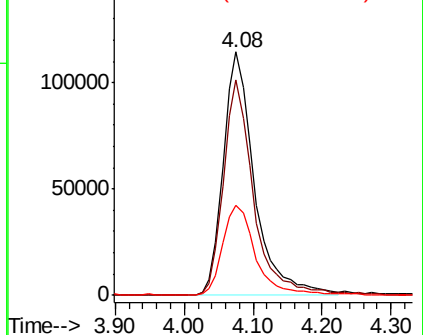
51 37.1 29.3 43.9

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 140.183 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

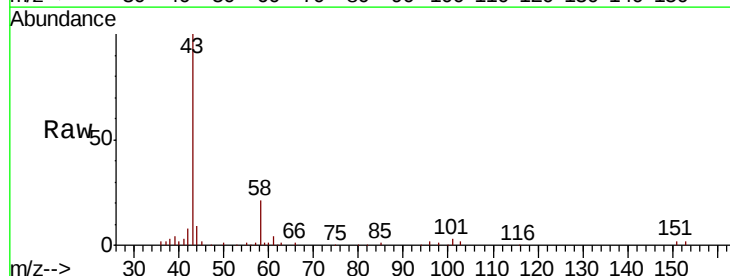
Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

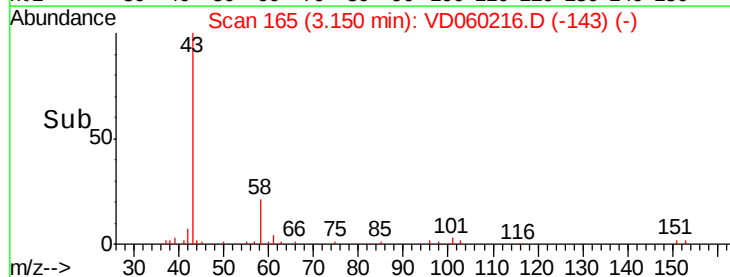
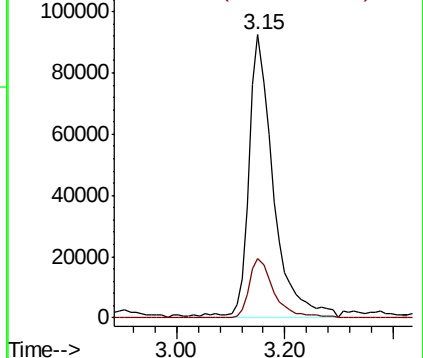
Tgt Ion: 43 Resp: 290864
Ion Ratio Lower Upper

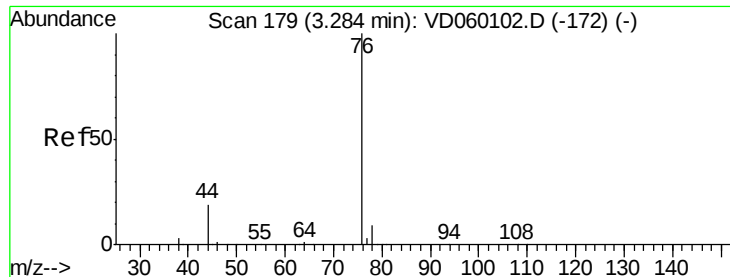
43 100

58 20.8 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.705 ug/l

RT: 3.31 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 76 Resp: 449163

Ion Ratio Lower Upper

76 100

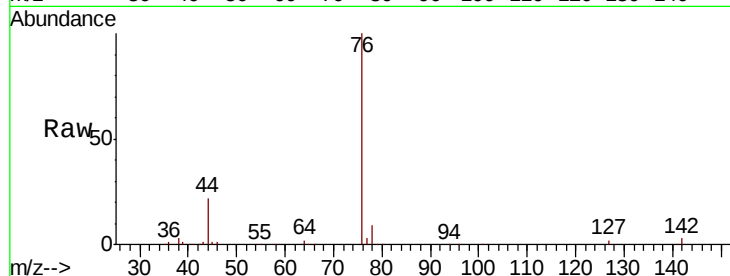
78 9.3 7.4 11.2

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

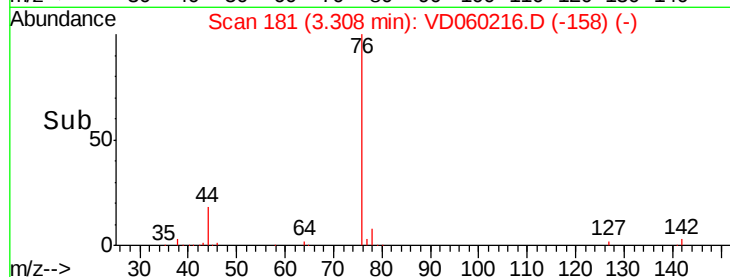
150000

100000

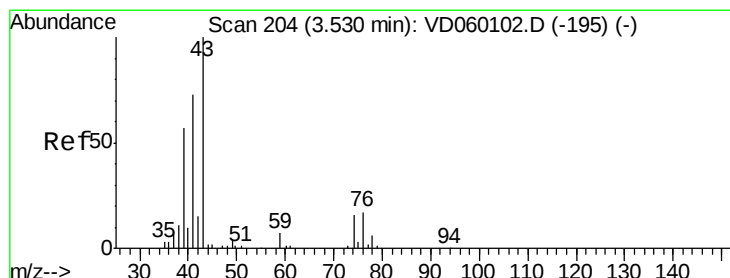
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 20.572 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060216.D

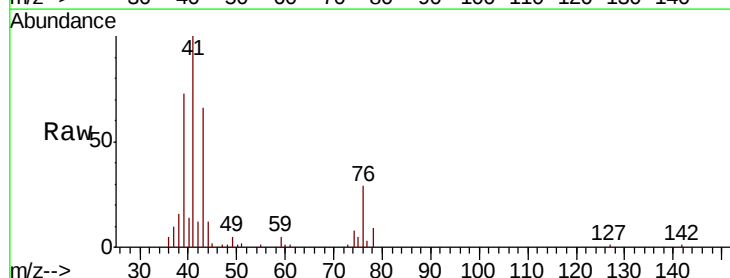
Acq: 26 Oct 2018 15:11

Tgt Ion: 43 Resp: 91745

Ion Ratio Lower Upper

43 100

74 12.8 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

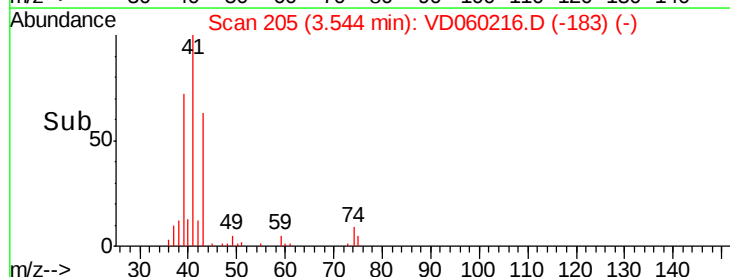
30000

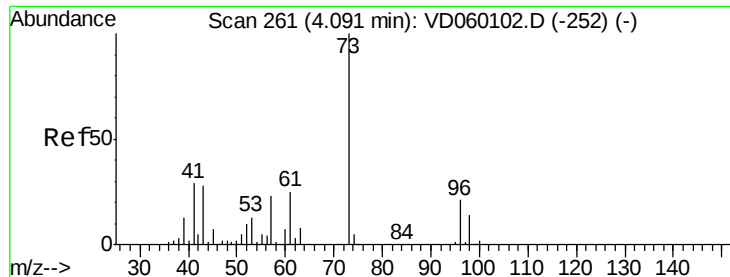
20000

10000

0

Time-->





#19

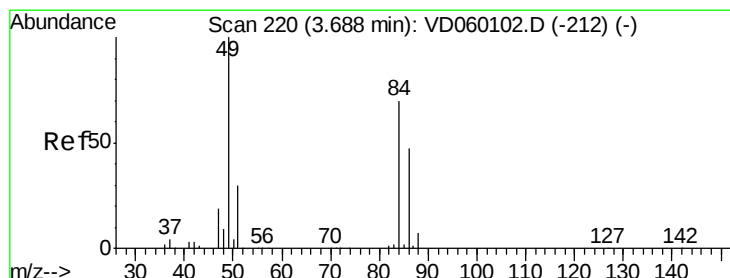
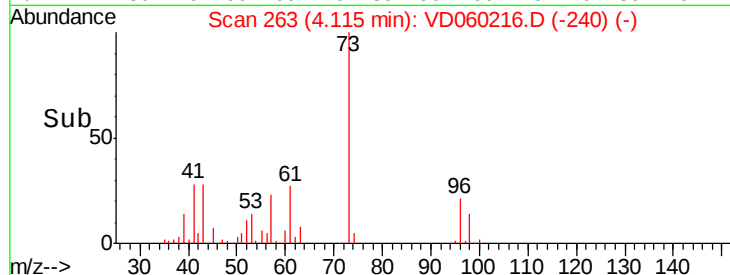
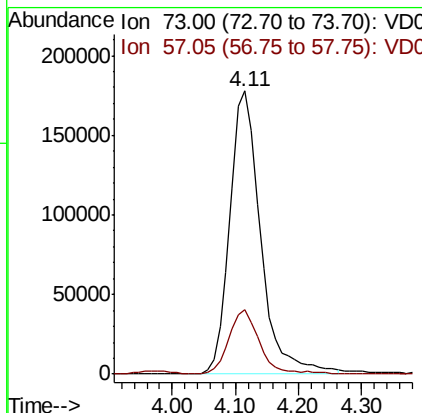
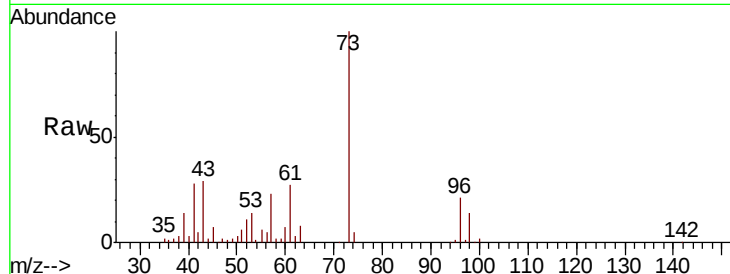
Methyl tert-butyl Ether
 Concen: 22.244 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion: 73 Resp: 601828
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.7 28.1

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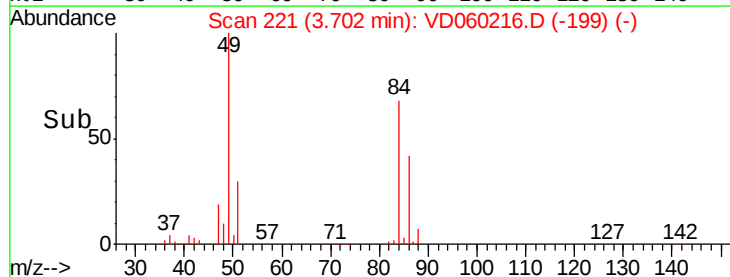
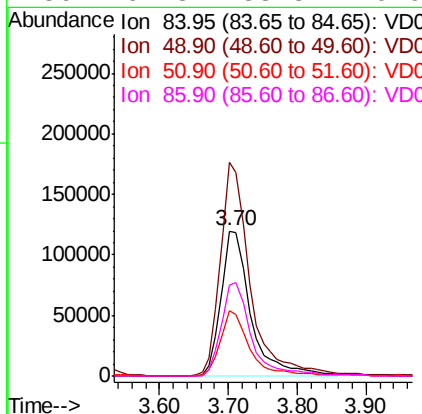
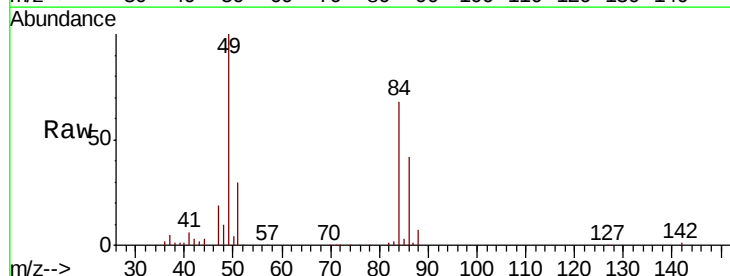
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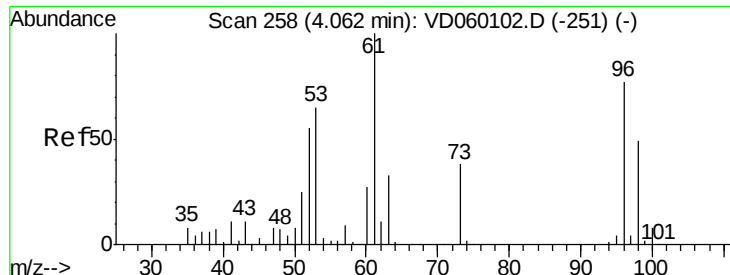


#20

Methylene Chloride
 Concen: 19.370 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion: 84 Resp: 359380
 Ion Ratio Lower Upper
 84 100
 49 147.4 114.6 172.0
 51 44.8 33.8 50.8
 86 62.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.836 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 96 Resp: 347044

Ion Ratio Lower Upper

96 100

61 133.4 103.3 154.9

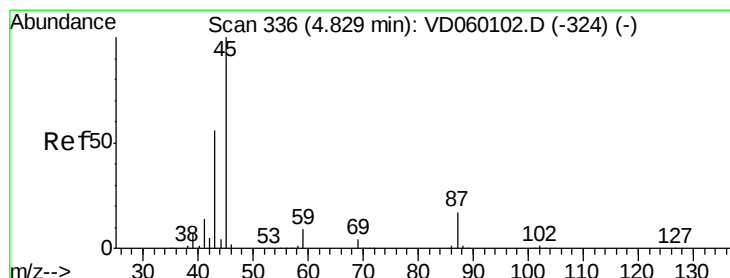
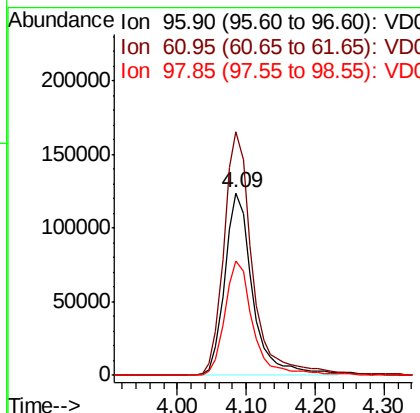
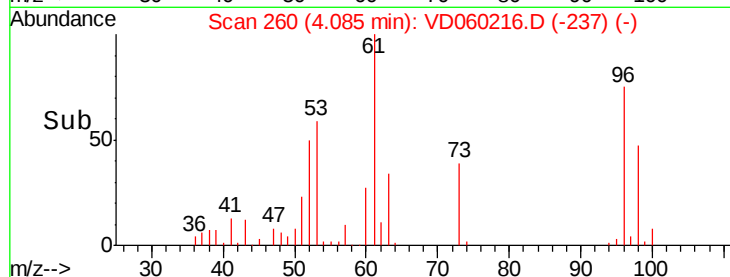
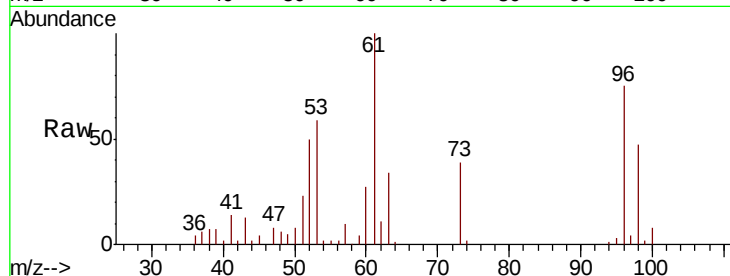
98 62.7 50.4 75.6

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#22

Diisopropyl ether

Concen: 22.393 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tgt Ion: 45 Resp: 1278153

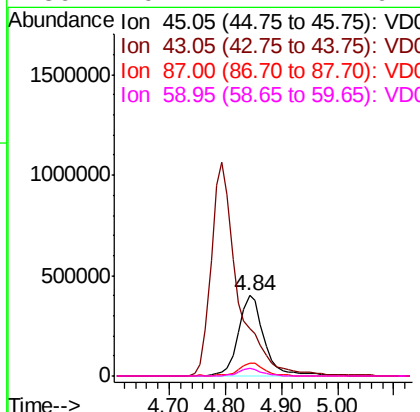
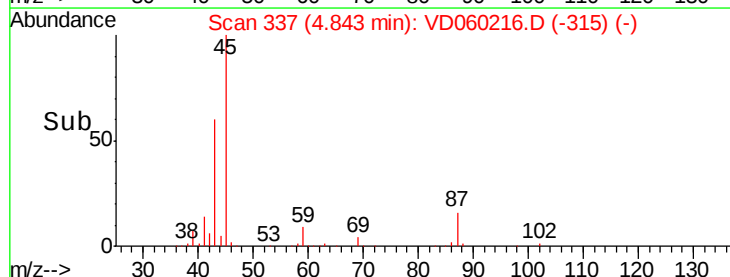
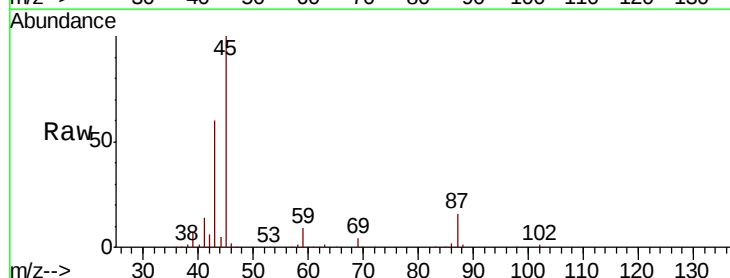
Ion Ratio Lower Upper

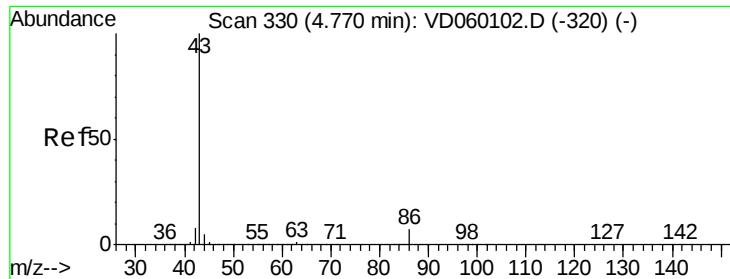
45 100

43 59.5 44.8 67.2

87 16.4 13.9 20.9

59 9.1 7.1 10.7





#23

Vinyl Acetate

Concen: 109.730 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 3520513

Ion Ratio Lower Upper

43 100

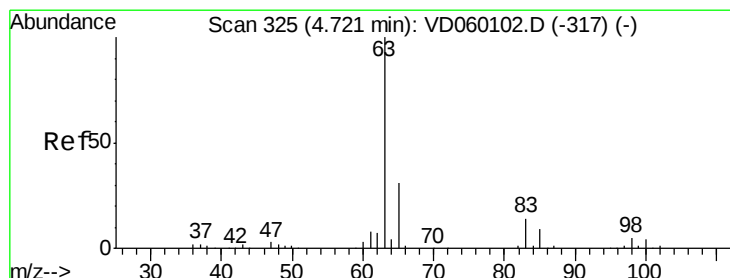
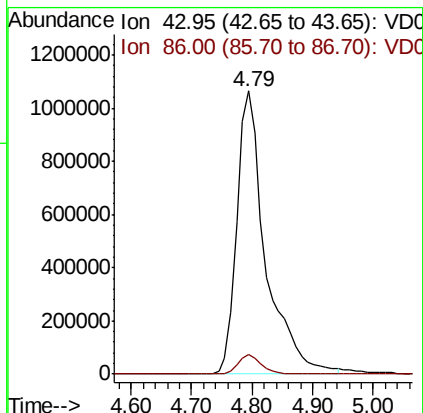
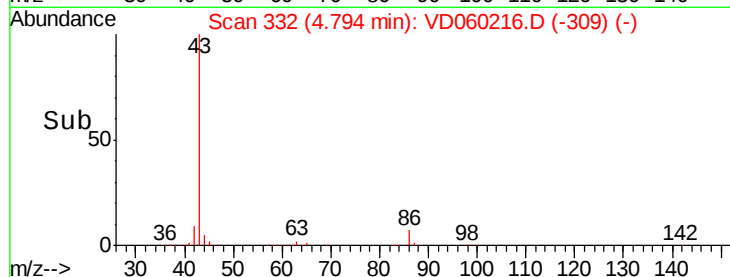
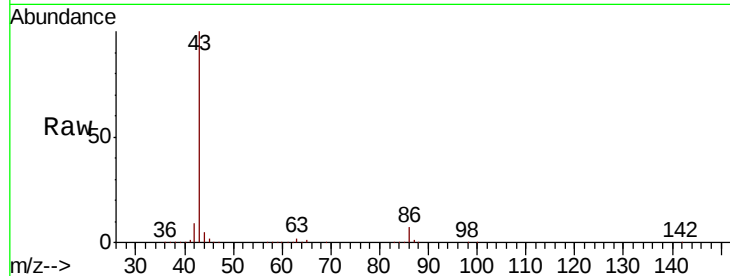
86 6.8 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 22.801 ug/l

RT: 4.74 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

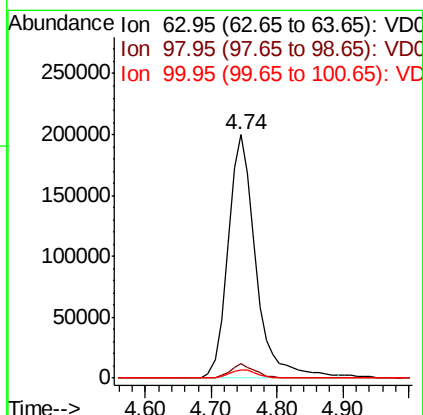
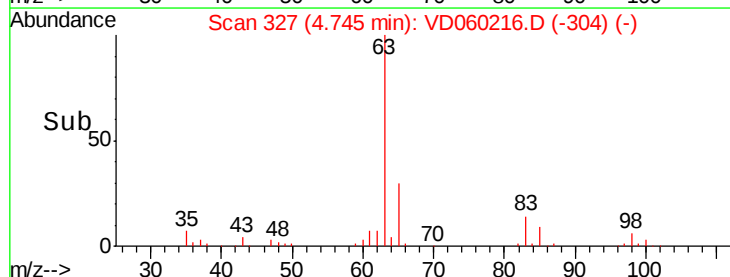
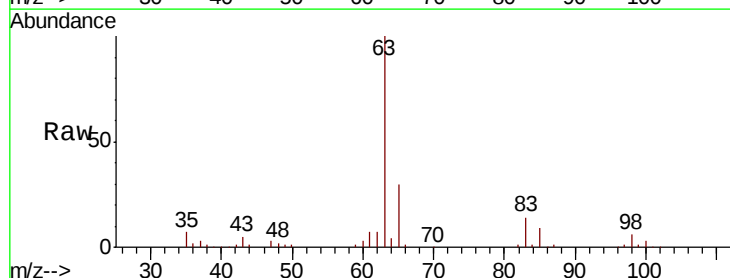
Tgt Ion: 63 Resp: 590071

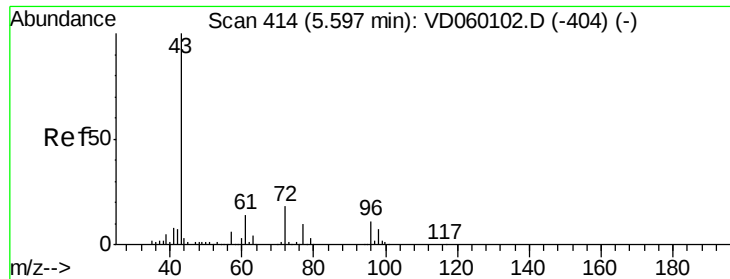
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.1 1.8 5.3





#25

2-Butanone

Concen: 117.979 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 611557

Ion Ratio Lower Upper

43 100

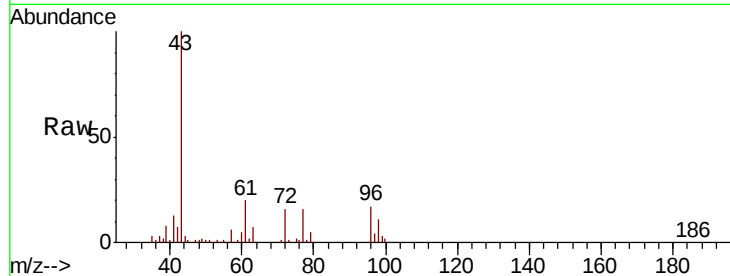
72 16.0 14.5 21.7

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

100000

50000

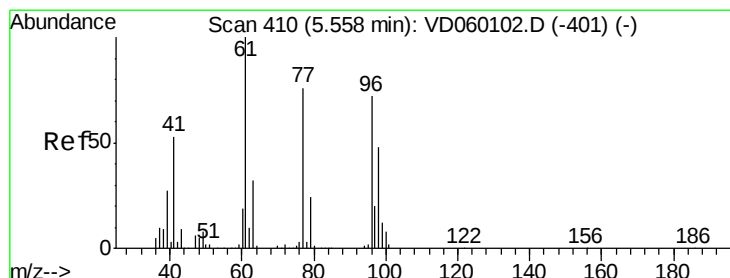
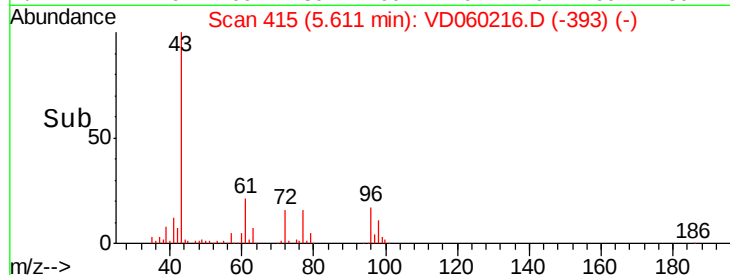
0

5.50

5.60

5.70

Time-->



#26

2,2-Dichloropropane

Concen: 24.124 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060216.D

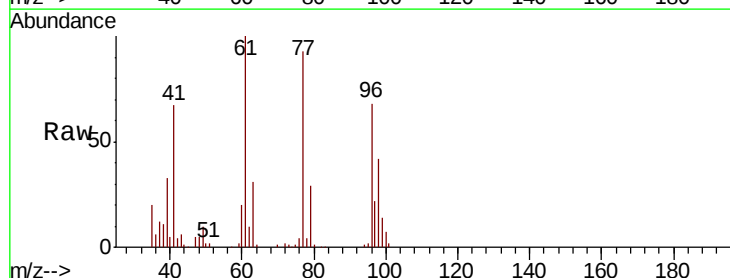
Acq: 26 Oct 2018 15:11

Tgt Ion: 77 Resp: 473291

Ion Ratio Lower Upper

77 100

97 23.7 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

50000

0

5.40

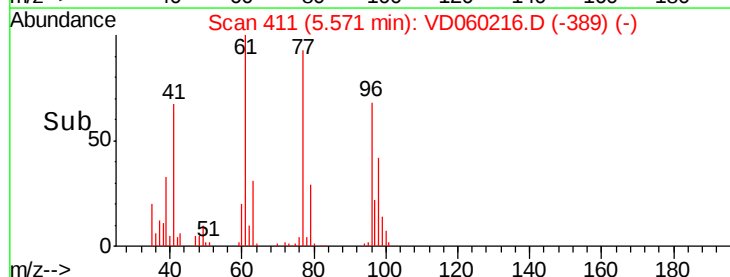
5.50

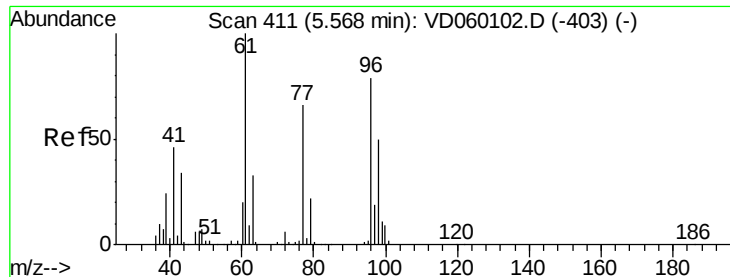
5.60

5.70

5.80

Time-->





#27

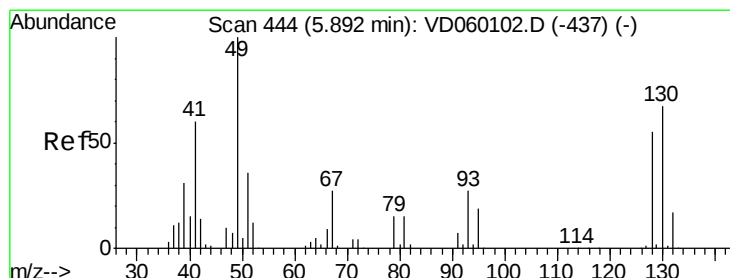
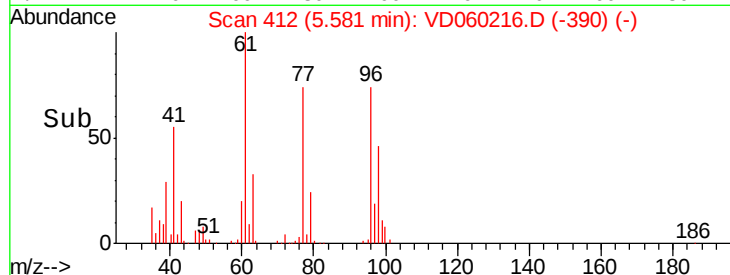
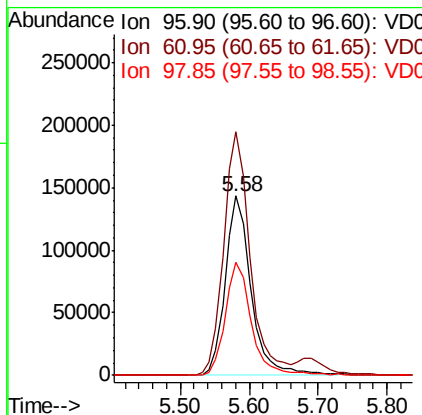
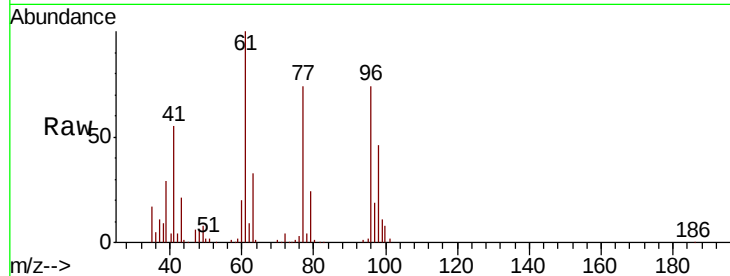
cis-1,2-Dichloroethene
Concen: 22.187 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.8	0.0	251.8	
98	63.1	0.0	125.2	

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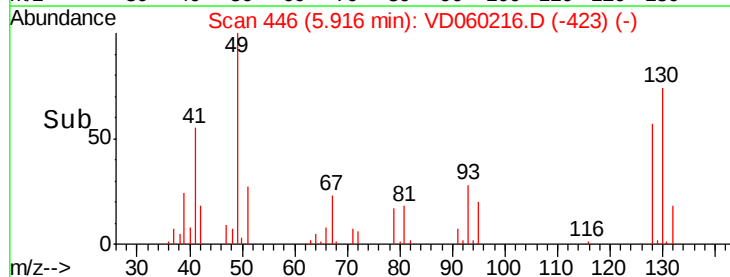
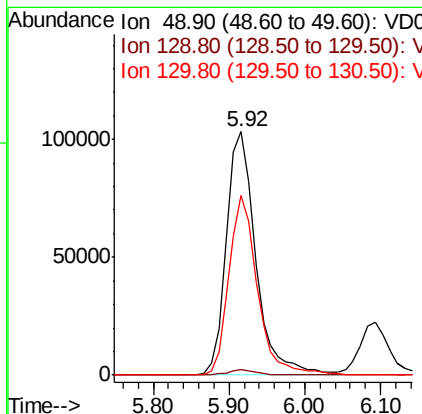
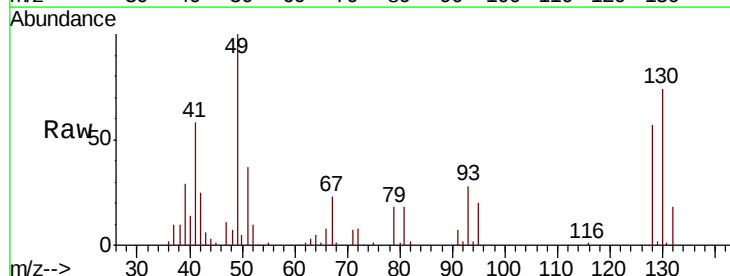
apatel
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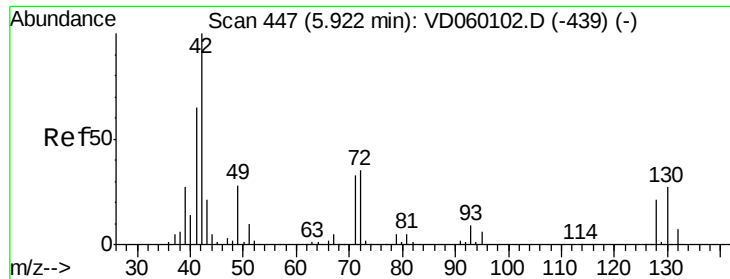


#28

Bromochloromethane
Concen: 22.107 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.6	
130	74.0	53.9	80.9	





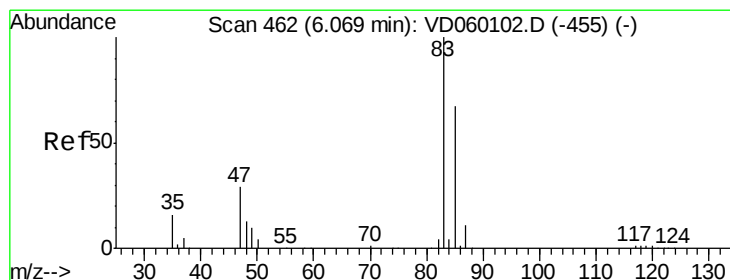
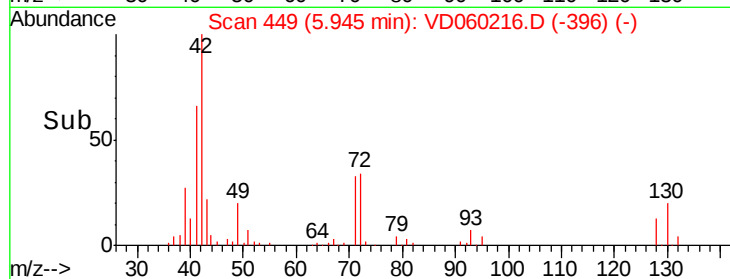
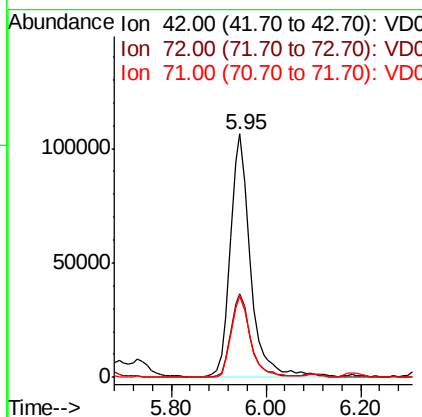
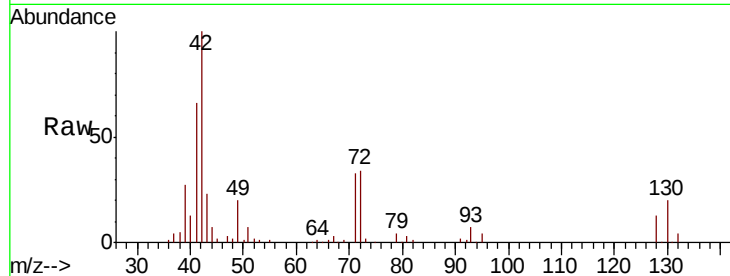
#29
Tetrahydrofuran
Concen: 104.574 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	33.2	26.9	40.3	
71	31.8	26.7	40.1	

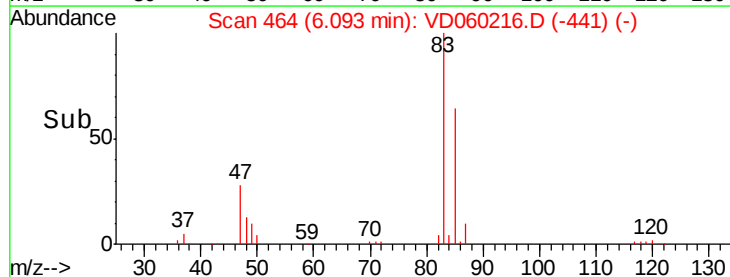
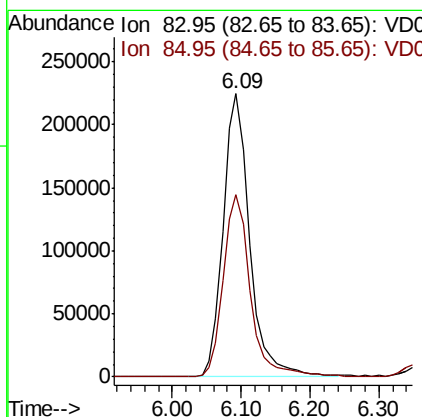
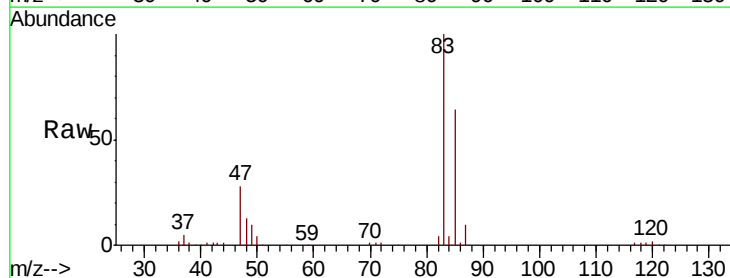
Manual Integrations
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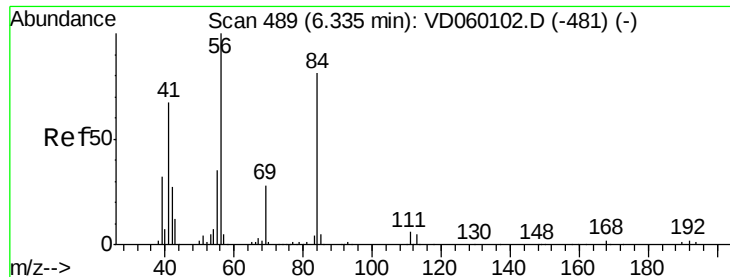
apatel
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#30
Chloroform
Concen: 22.914 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.3	53.8	80.8	





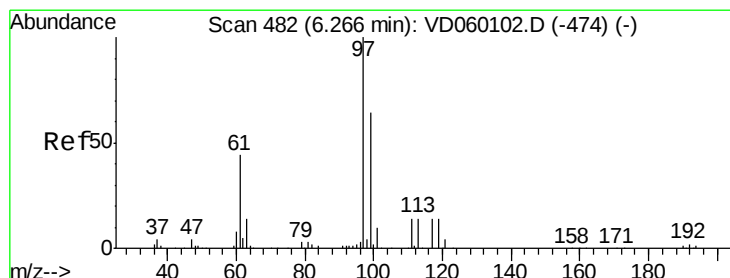
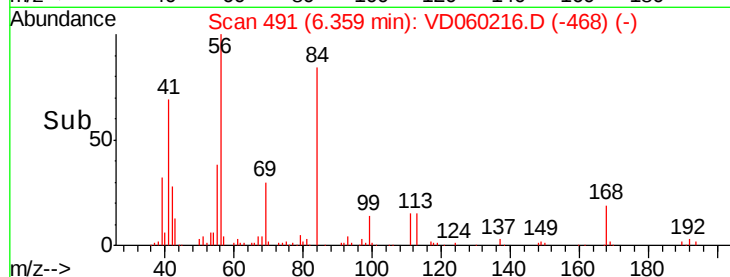
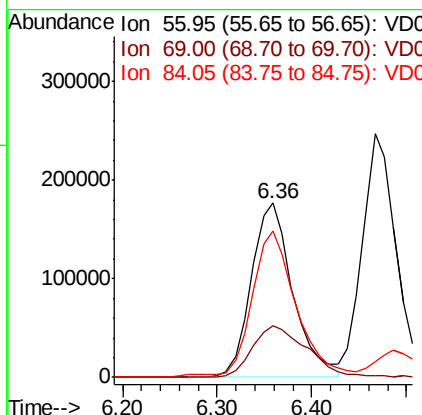
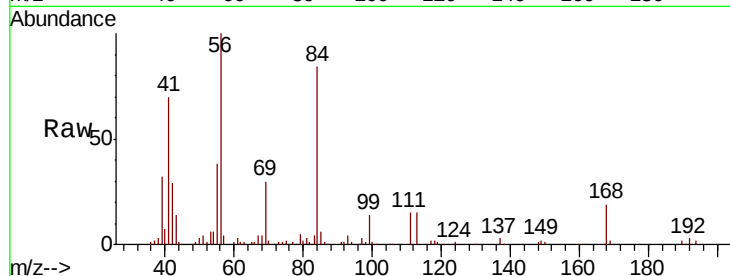
#31
Cvclohexane
Concen: 21.849 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.8	34.2
84	84.4	64.9	97.3

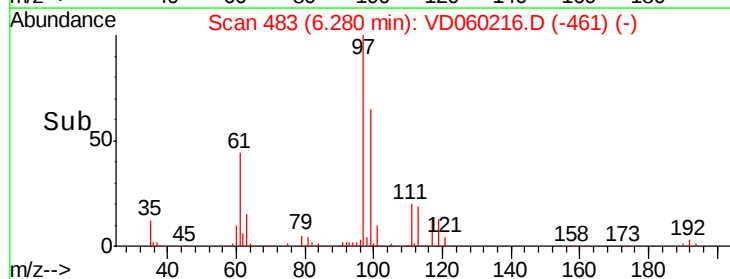
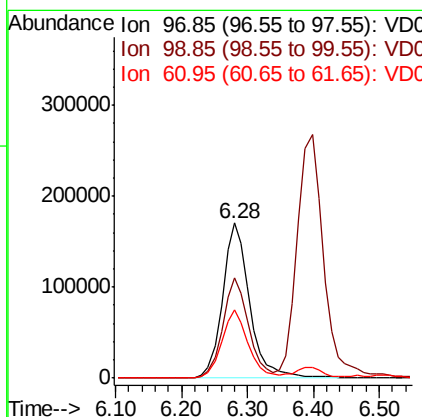
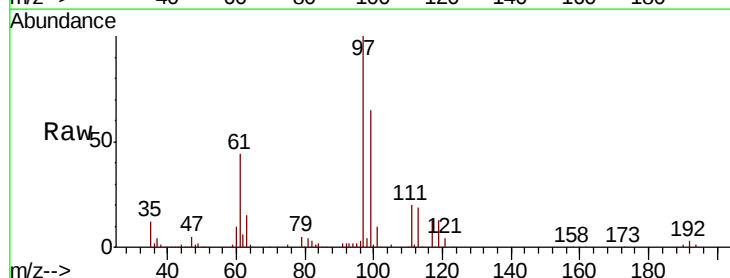
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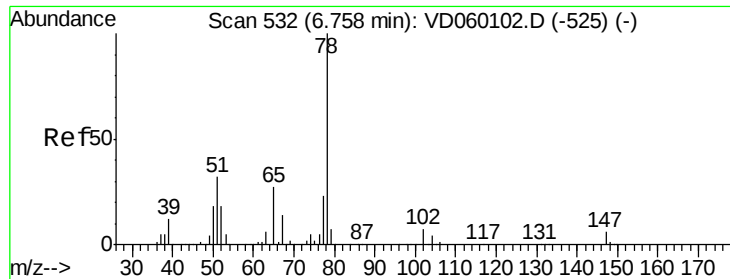
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#32
1,1,1-Trichloroethane
Concen: 22.775 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.1	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 22.775 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampled :

VD1026SBS01

Tot Ion: 65 Resp: 575026

Ion Ratio Lower Upper

65 100

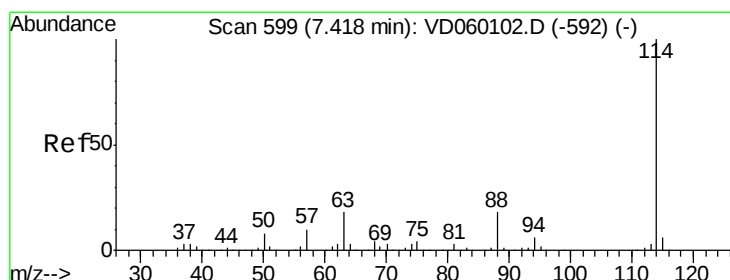
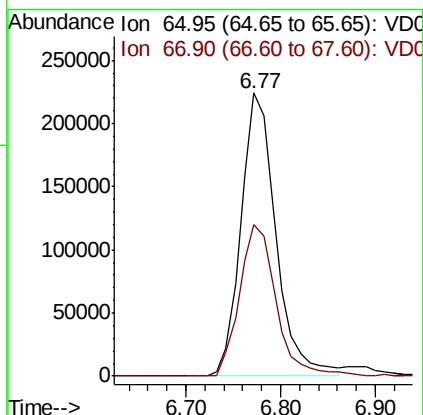
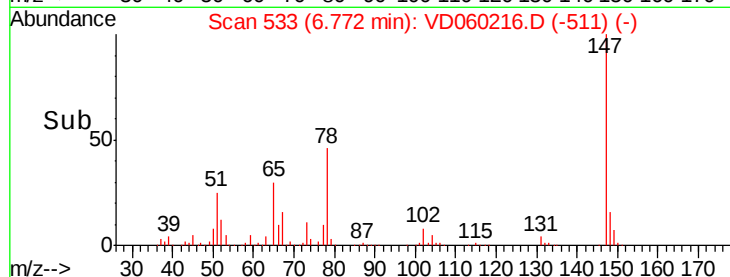
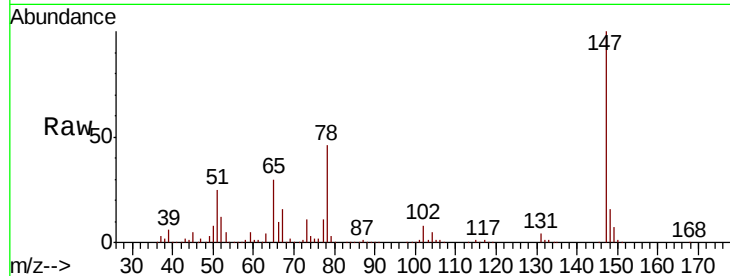
67 53.4 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

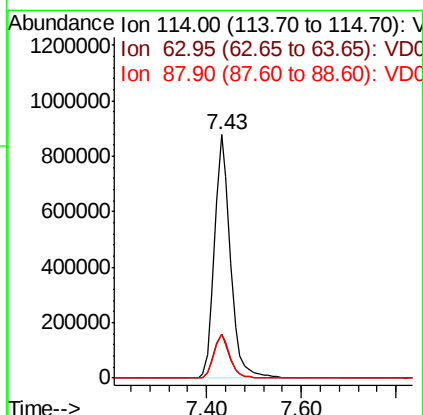
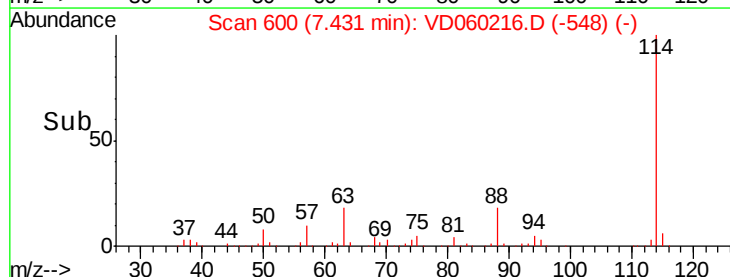
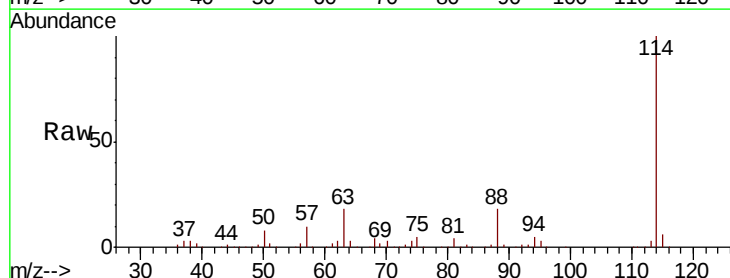
Tgt Ion: 114 Resp: 2048748

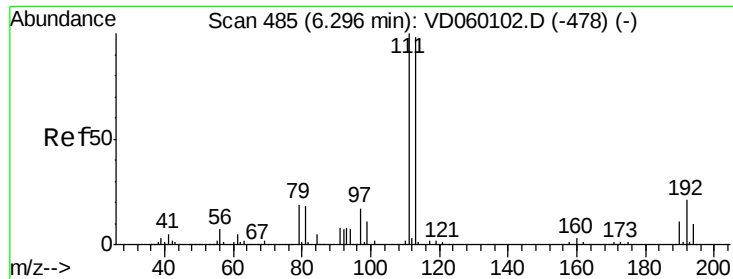
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

88 17.9 0.0 36.2





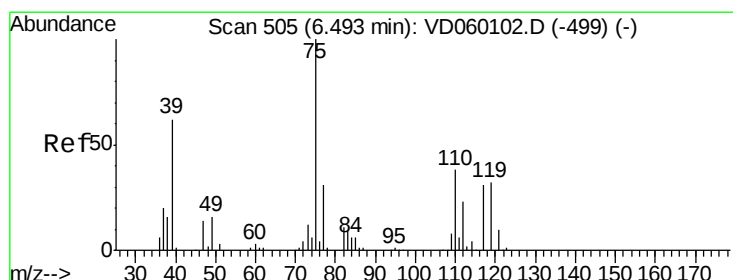
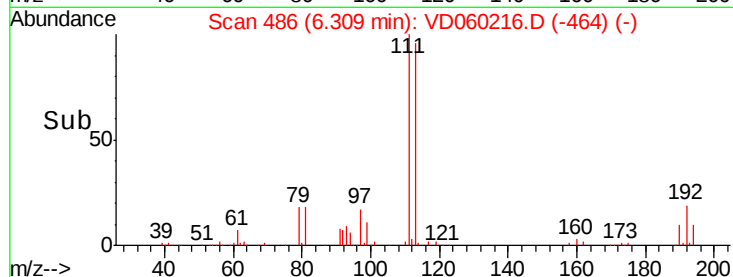
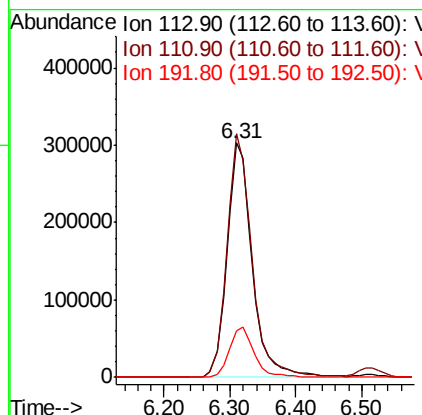
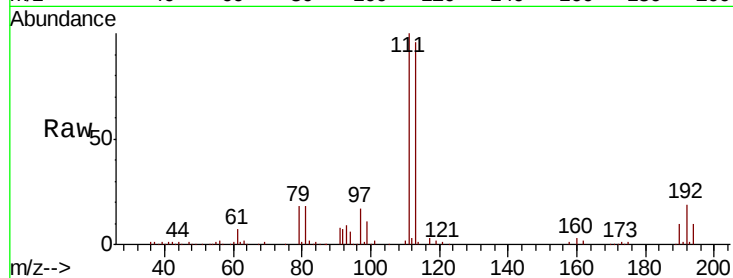
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	81.5	122.3	
192	19.6	17.4	26.0	

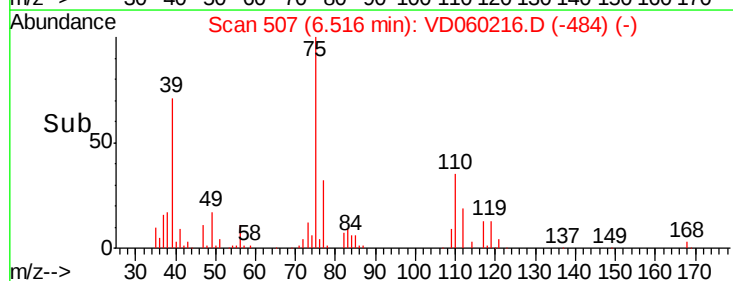
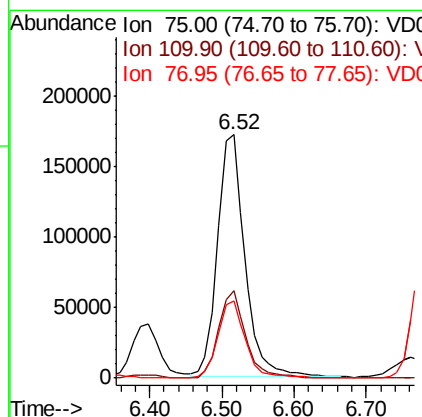
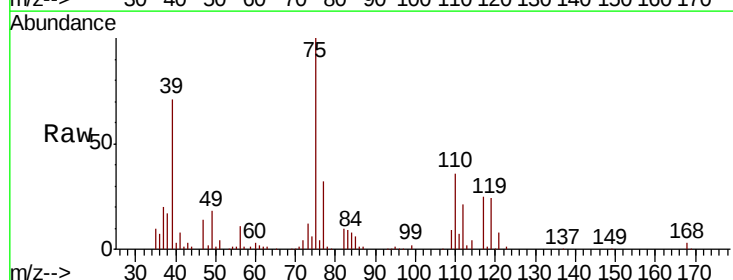
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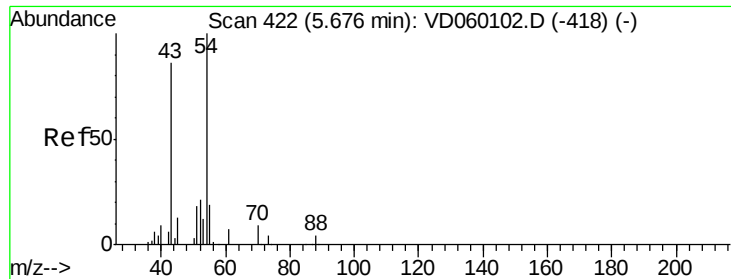
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#36
 1,1-Dichloropropene
 Concen: 23.052 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	19.0	57.0	
77	31.6	24.9	37.3	





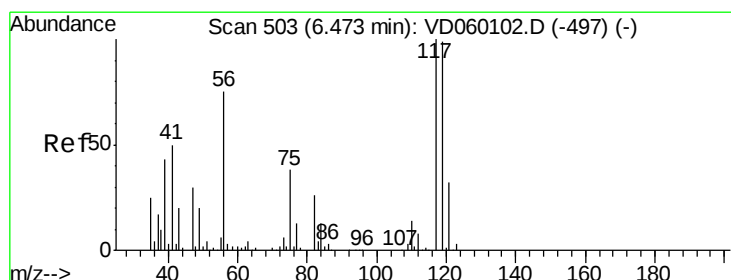
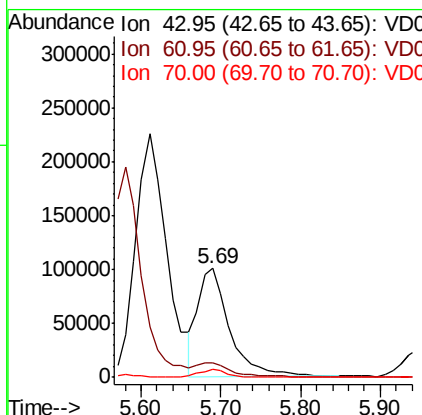
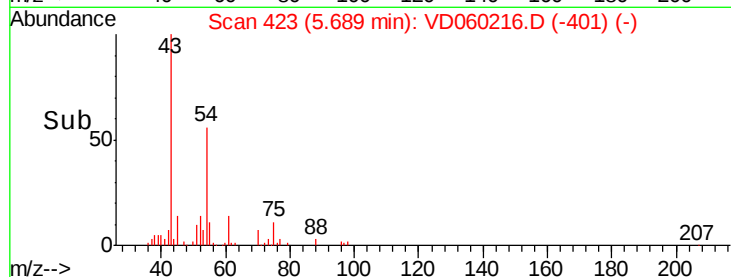
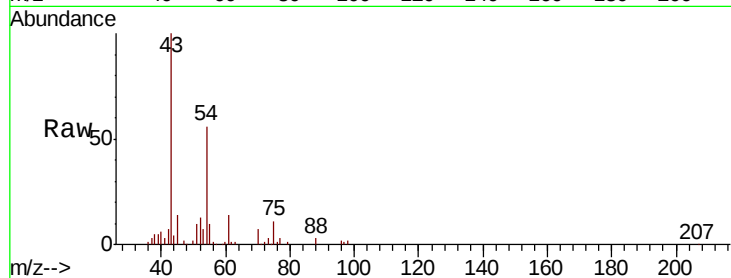
#37
Ethyl Acetate
Concen: 20.870 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	7.1	6.3	9.5

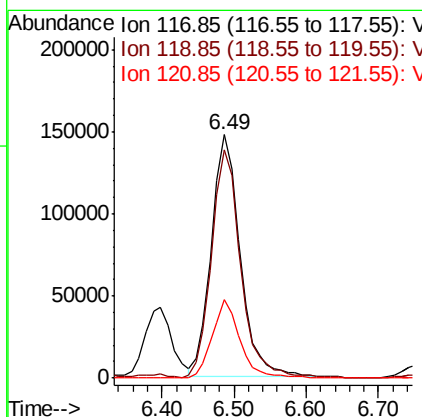
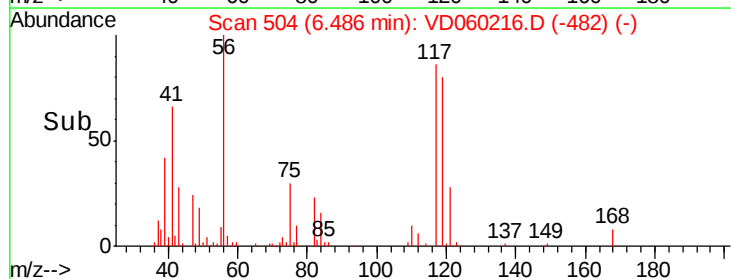
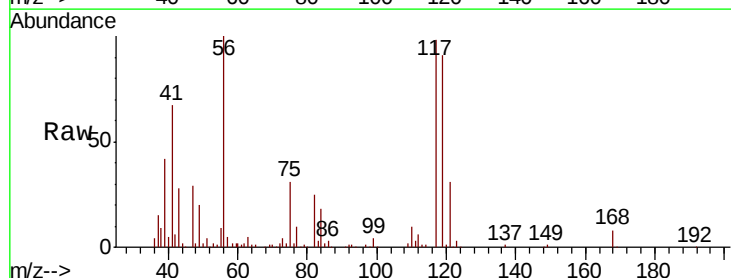
Manual Integrations
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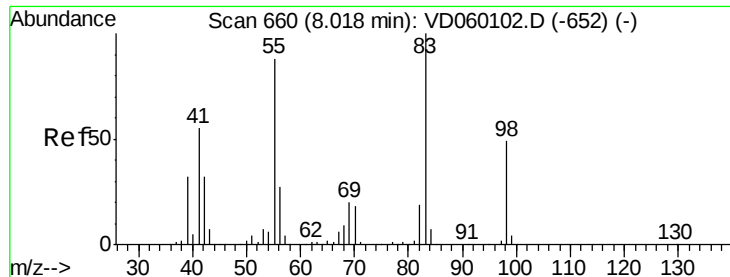
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#38
Carbon Tetrachloride
Concen: 22.992 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.8	116.6
121	32.1	24.8	37.2





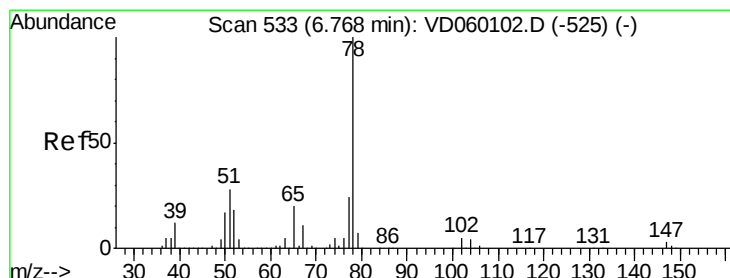
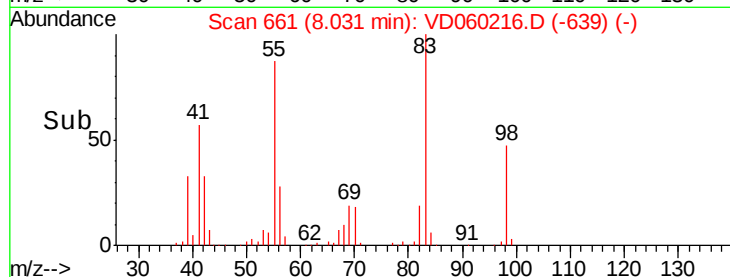
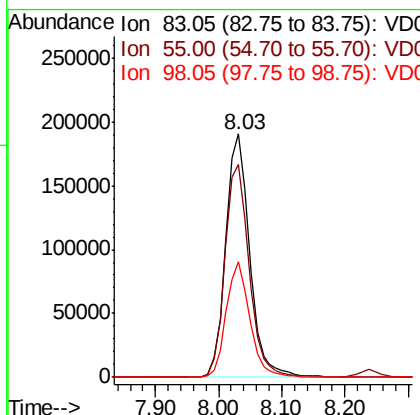
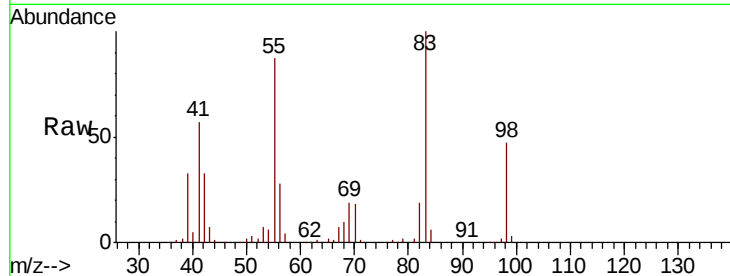
#39
Methvlcvclohexane
Concen: 22.482 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	70.5	105.7
98	47.4	39.4	59.2

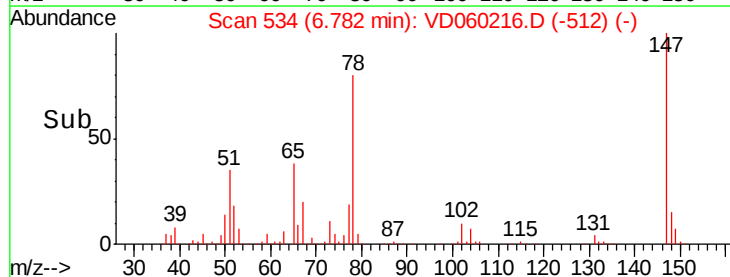
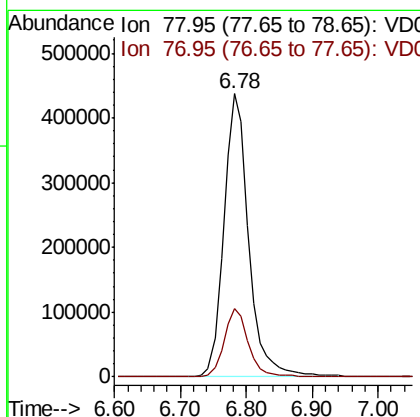
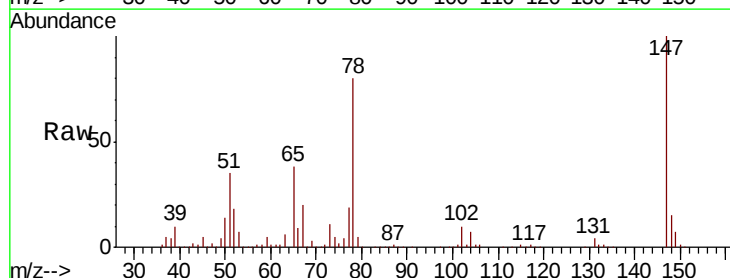
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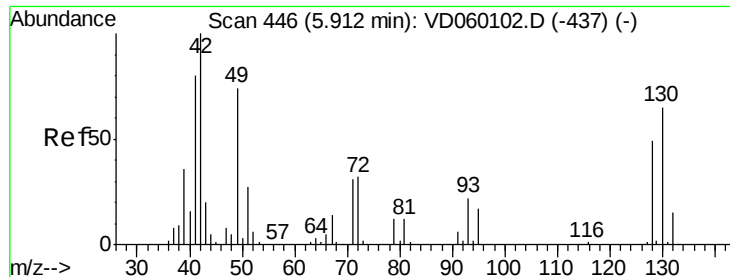
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#40
Benzene
Concen: 22.448 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41

Methacrylonitrile

Concen: 16.382 ug/l m

RT: 5.91 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 41 Resp: 120327

Ion Ratio Lower Upper

41 100

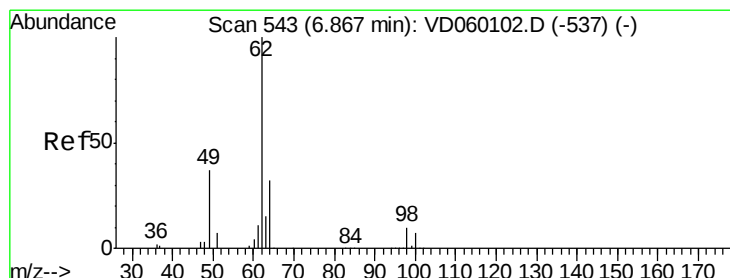
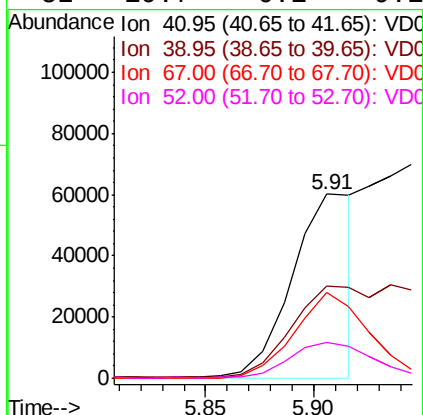
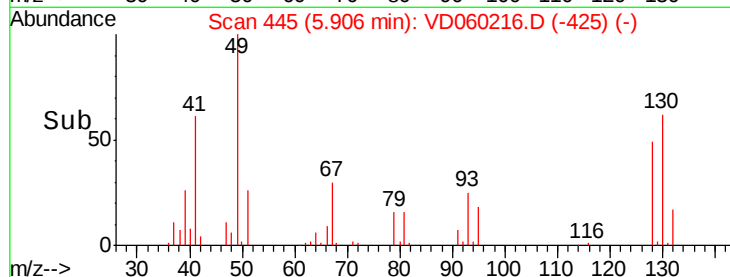
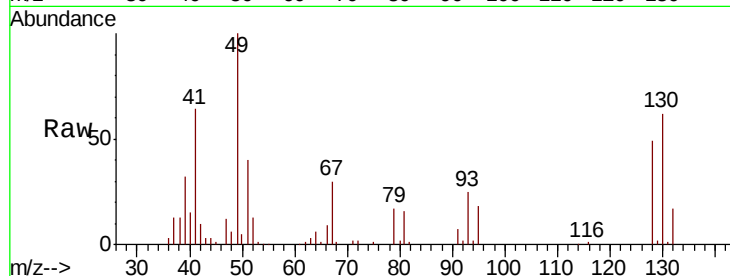
39 49.9 36.0 54.0

67 46.7 13.9 20.9#

52 19.7 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.697 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060216.D

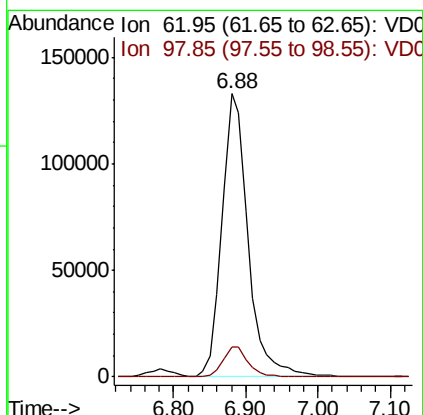
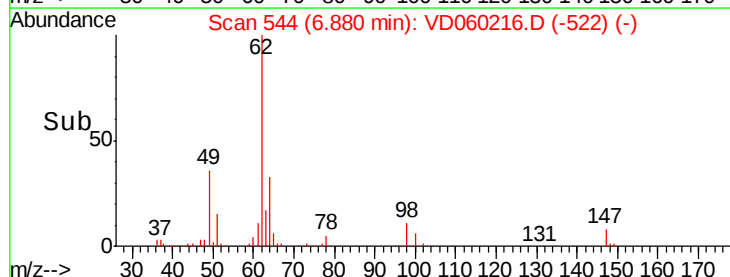
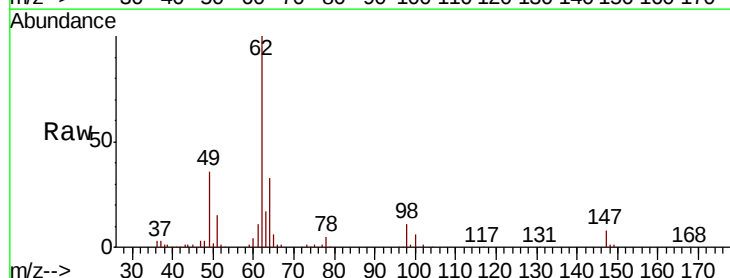
Acq: 26 Oct 2018 15:11

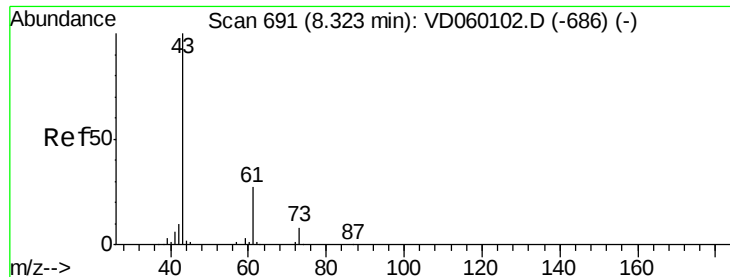
Tgt Ion: 62 Resp: 333280

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.662 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

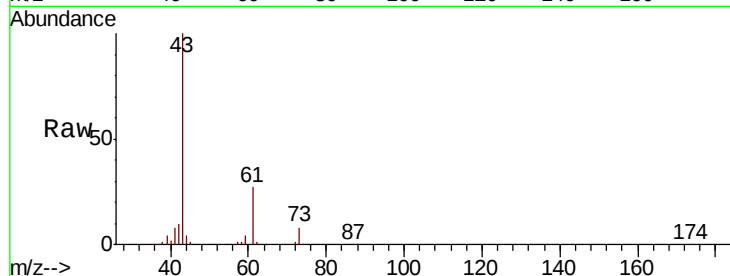
ClientSampleId :

VD1026SBS01

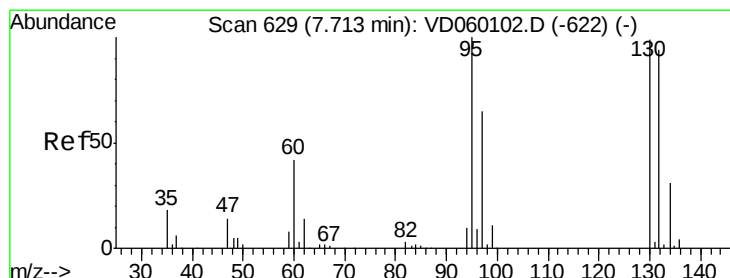
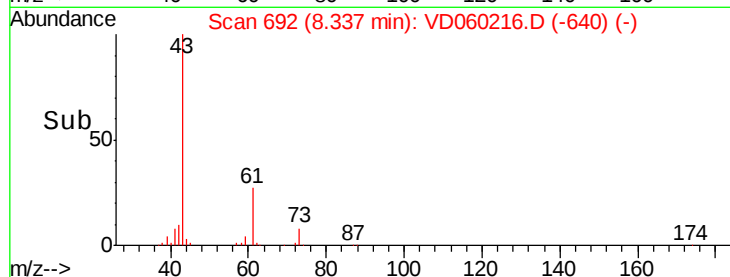
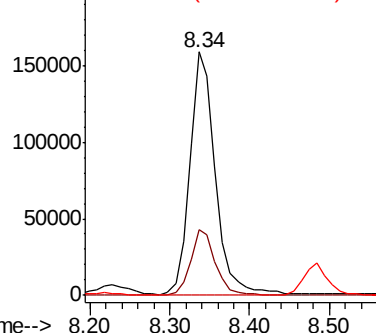
Tot Ion:	43	Resp:	353246
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.2
87	0.2	0.2	0.2

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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: 21.579 ug/l

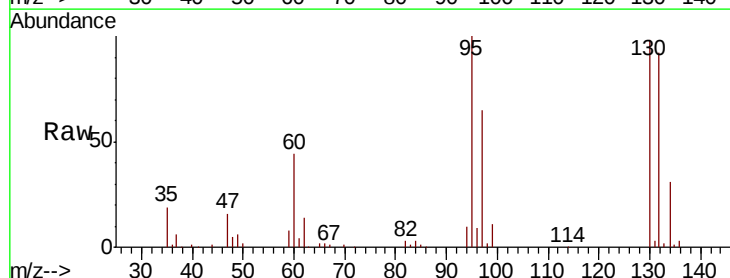
RT: 7.73 min Scan# 630

Delta R.T. 0.01 min

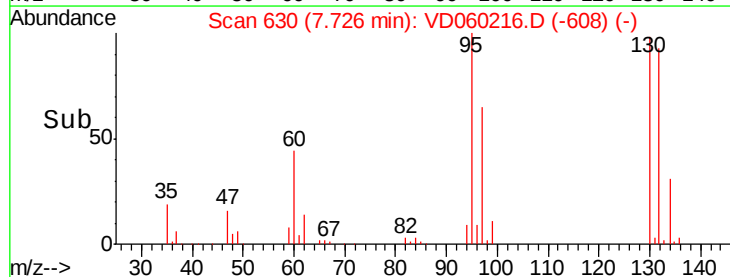
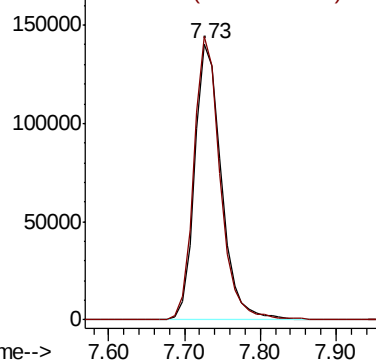
Lab File: VD060216.D

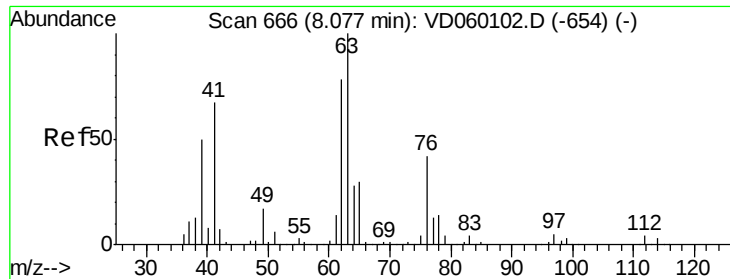
Acq: 26 Oct 2018 15:11

Tgt Ion:	130	Resp:	342131
Ion	Ratio	Lower	Upper
130	100		
95	102.6	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: 22.703 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 63 Resp: 304467

Ion Ratio Lower Upper

63 100

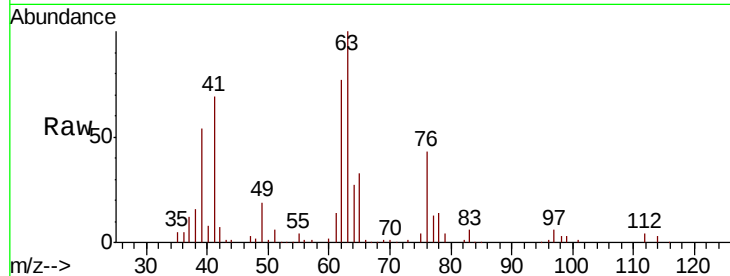
65 33.2 24.1 36.1

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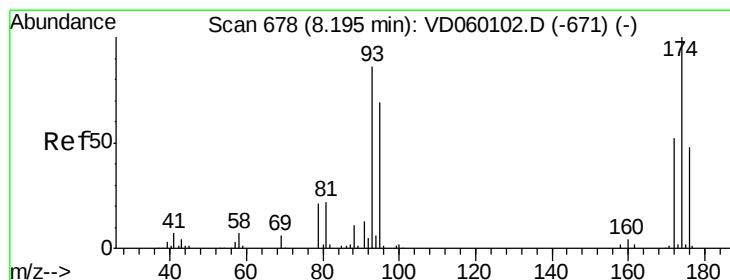
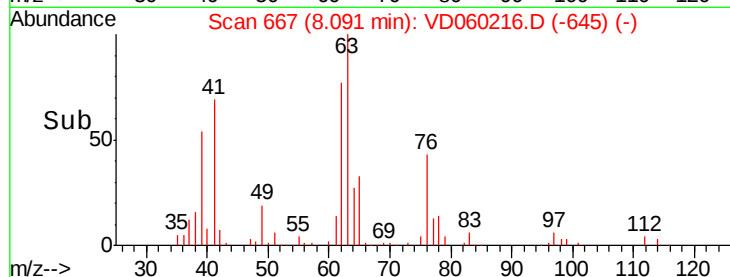
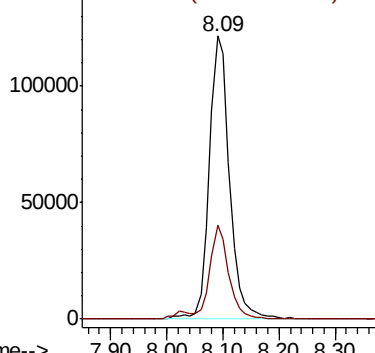
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.838 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

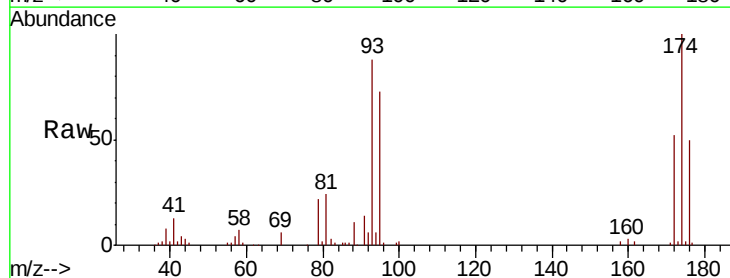
Tgt Ion: 93 Resp: 189608

Ion Ratio Lower Upper

93 100

95 83.1 63.8 95.6

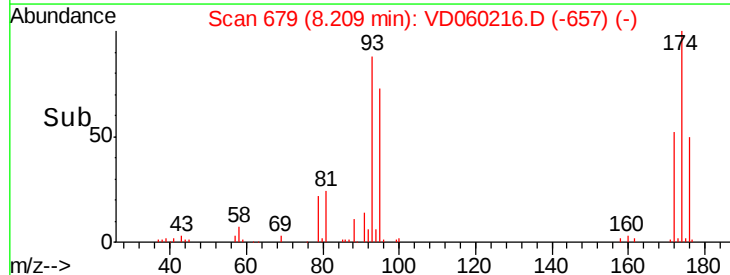
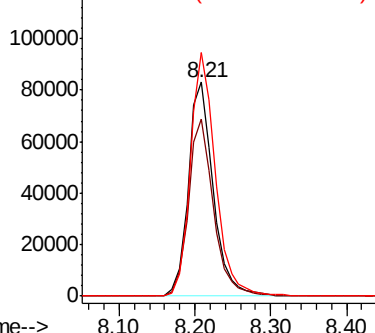
174 113.9 92.9 139.3

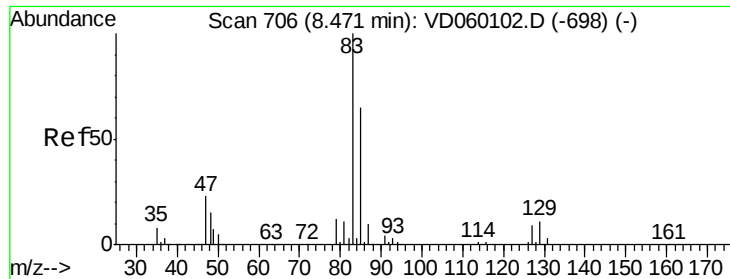


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.246 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

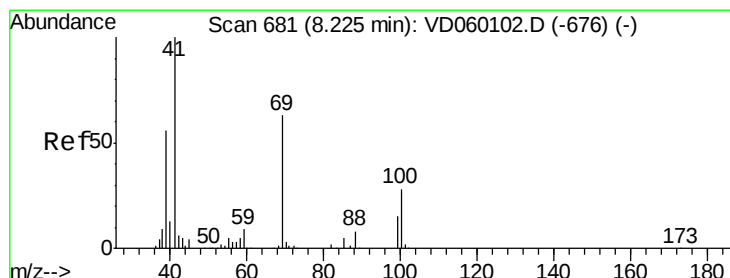
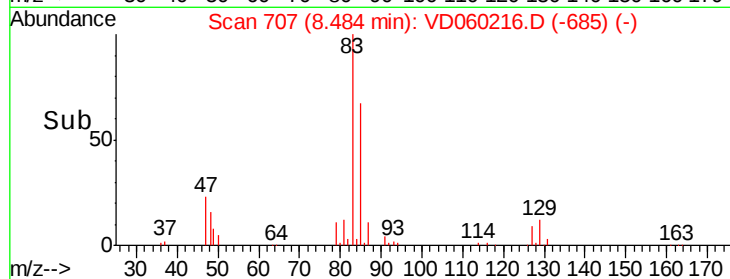
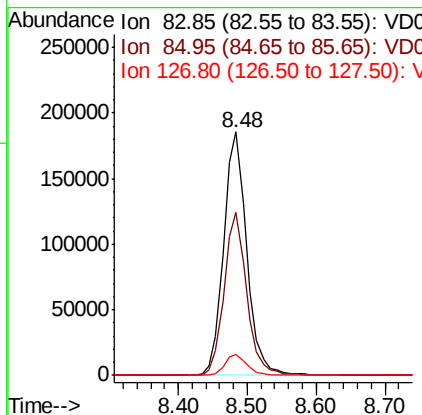
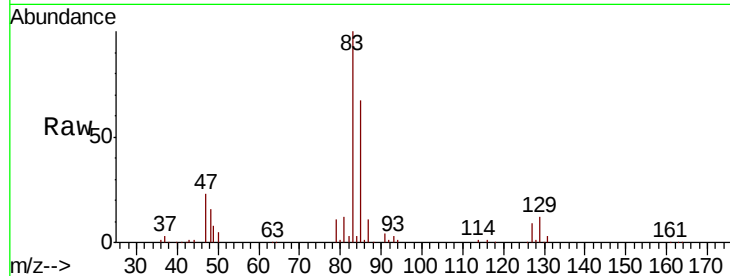
ClientSampleId :

VD1026SBS01

Tot Ion:	83	Resp:	430058
Ion Ratio	Lower	Upper	
83	100		
85	67.1	52.2	78.2
127	8.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 21.931 ug/l

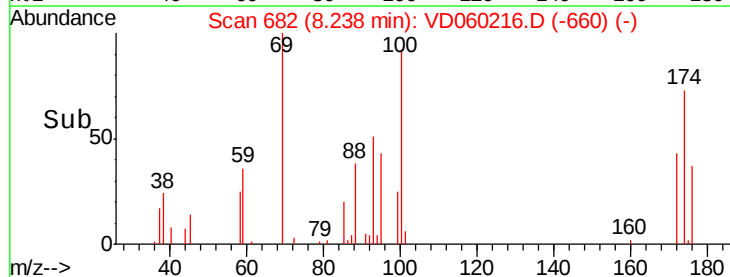
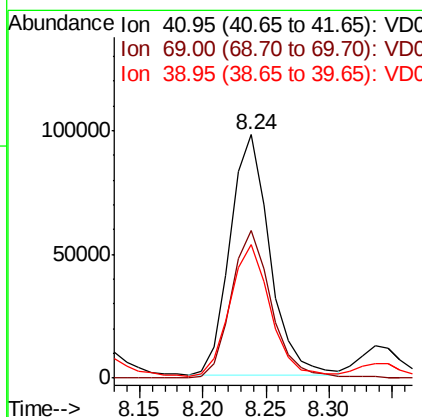
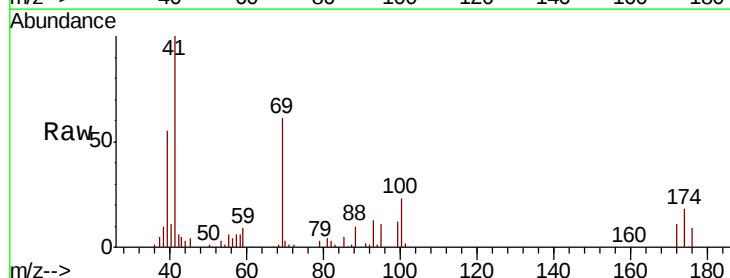
RT: 8.24 min Scan# 682

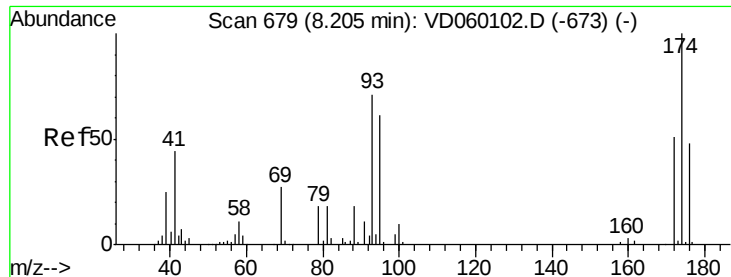
Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tgt Ion:	41	Resp:	213571
Ion Ratio	Lower	Upper	
41	100		
69	60.7	49.7	74.5
39	54.6	45.2	67.8





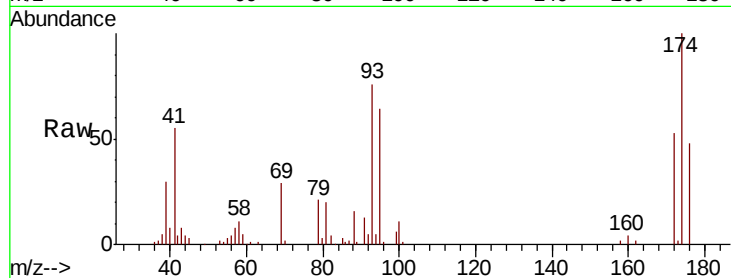
#49
 1,4-Dioxane
 Concen: 425.481 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	88	Resp	40768
Ion	Ratio	Lower	Upper
88	100		
43	50.5	33.7	50.5
58	68.3	49.1	73.7

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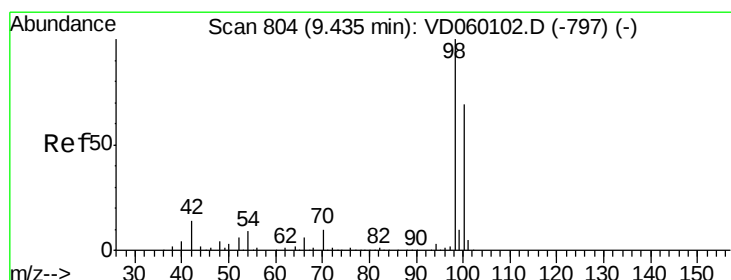
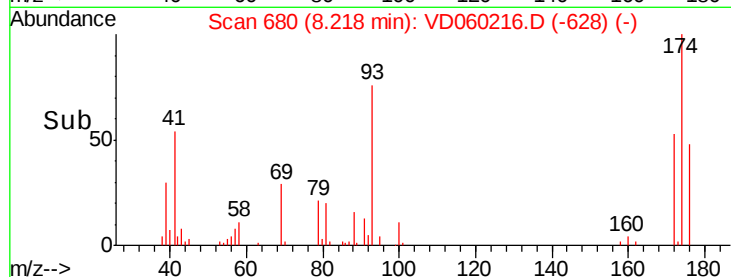
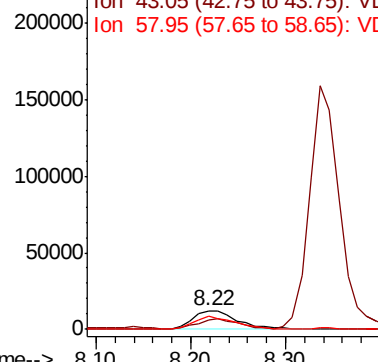


Abundance

Ion 88.00 (87.70 to 88.70): VDC

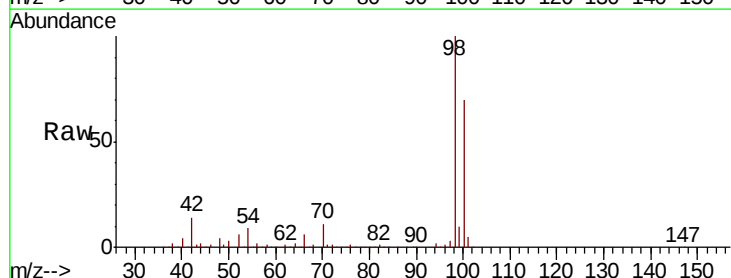
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
 Toluene-d8
 Concen: 425.481 ug/l
 RT: 9.45 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

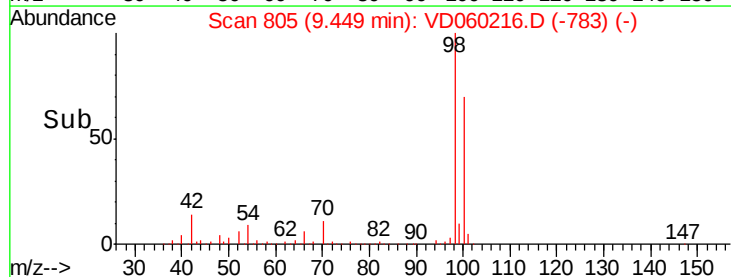
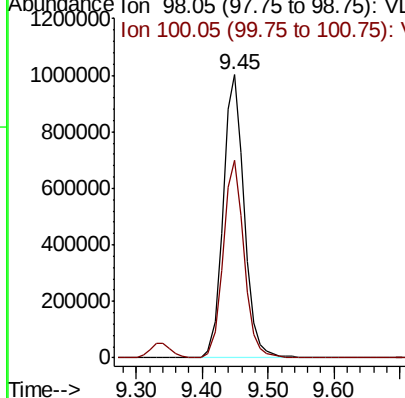
Tgt Ion	98	Resp	2232844
Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.4	83.0

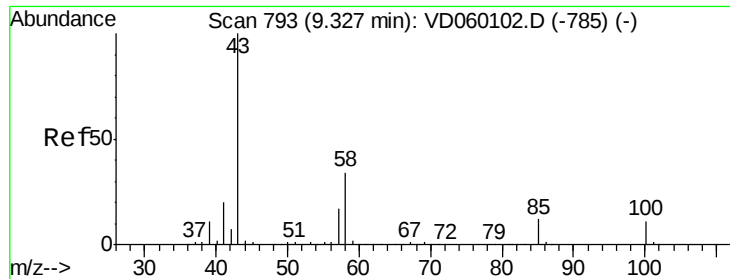


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.593 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 1170968

Ion Ratio Lower Upper

43 100

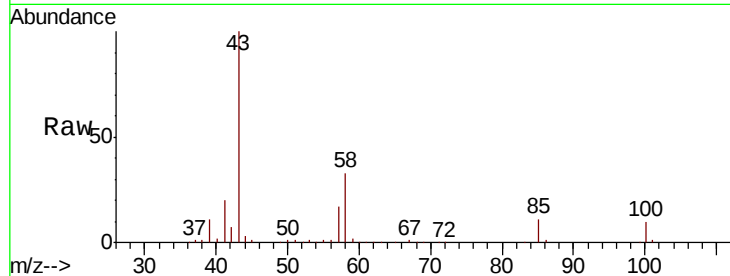
58 33.1 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

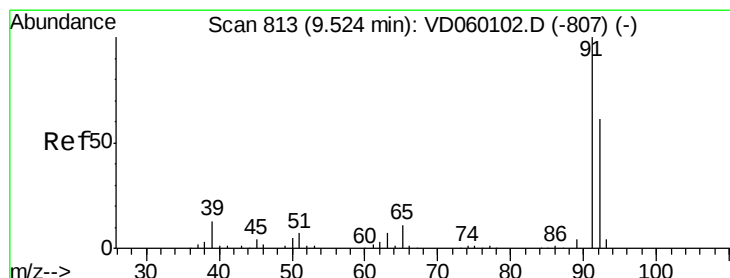
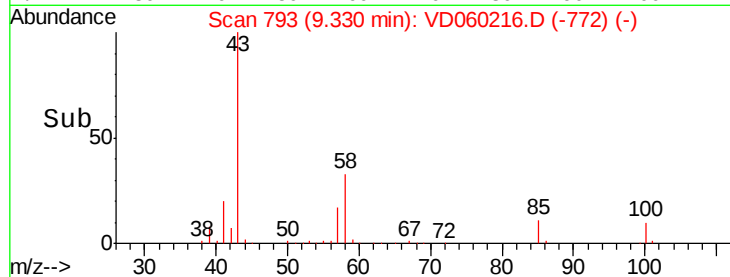
200000

100000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 22.266 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060216.D

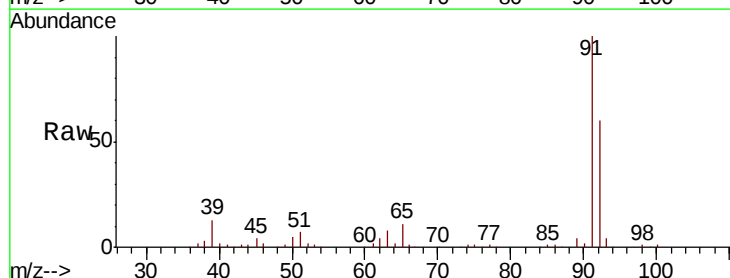
Acq: 26 Oct 2018 15:11

Tgt Ion: 92 Resp: 734485

Ion Ratio Lower Upper

92 100

91 168.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

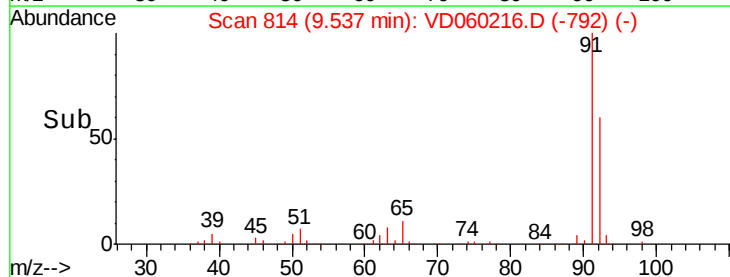
200000

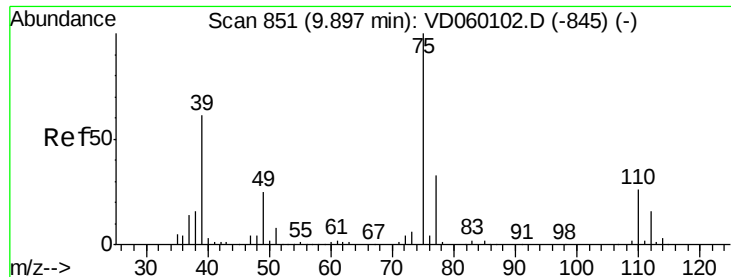
100000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.239 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tot Ion: 75 Resp: 389007

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

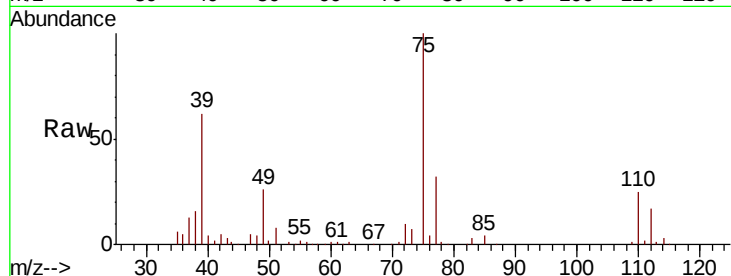
VD1026SBS01

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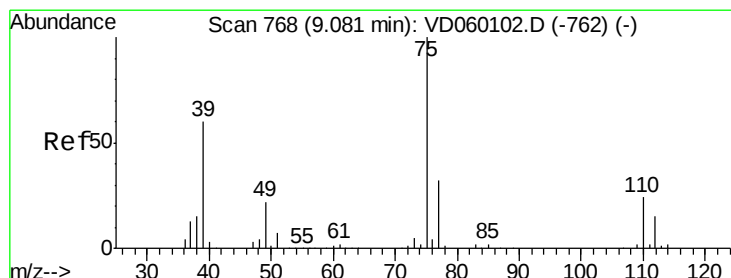
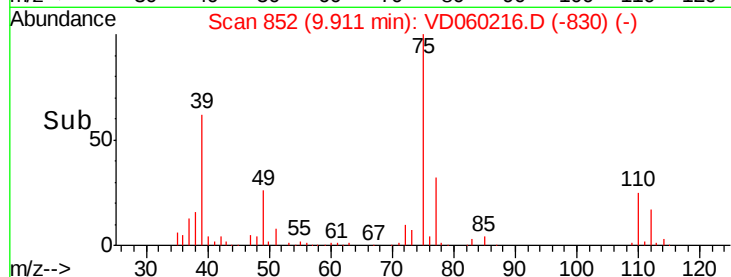
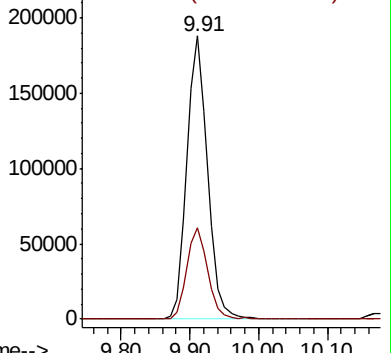
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.955 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

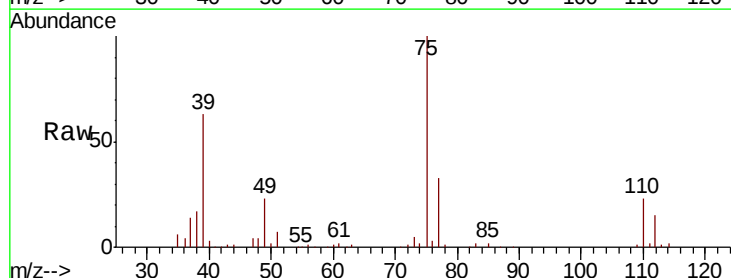
Tgt Ion: 75 Resp: 474513

Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5

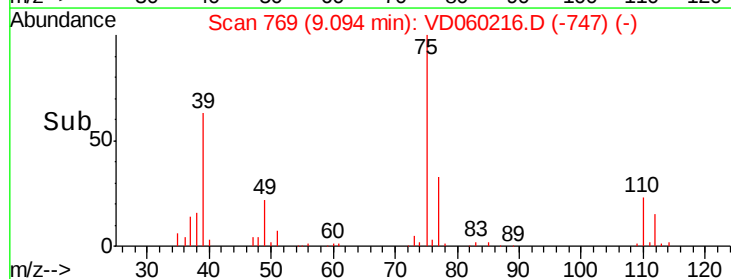
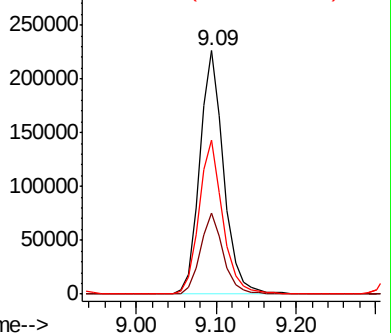
39 63.3 48.2 72.4

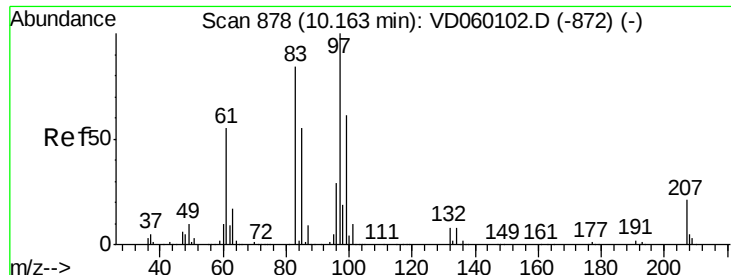


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





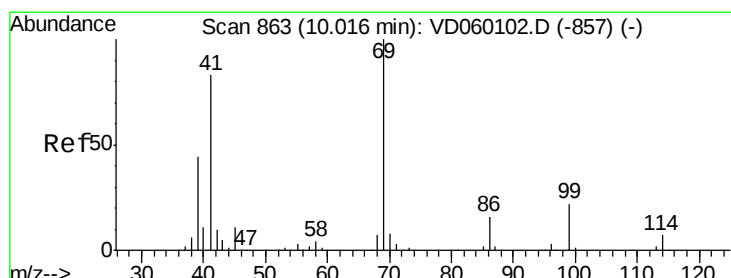
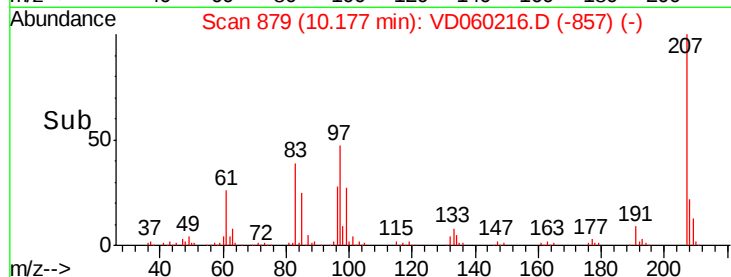
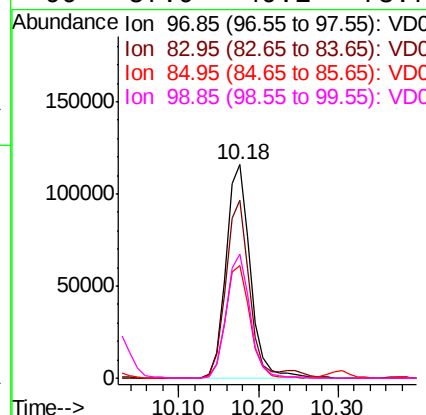
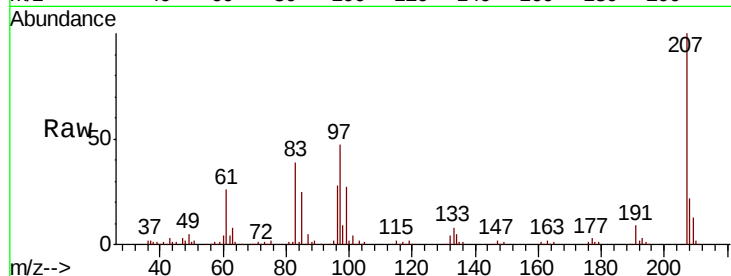
#55
 1,1,2-Trichloroethane
 Concen: 23.121 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	97	Resp	249324
Ion Ratio	Lower	Upper	
97	100		
83	83.1	67.0	100.6
85	52.7	43.9	65.9
99	57.9	49.1	73.7

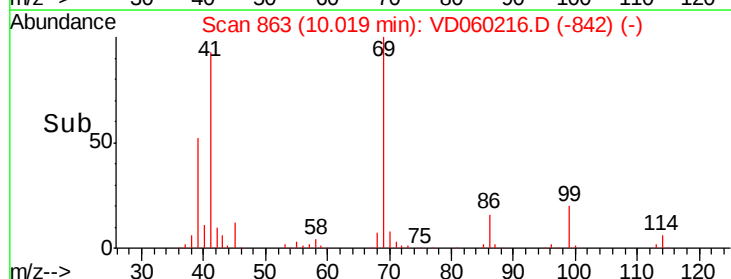
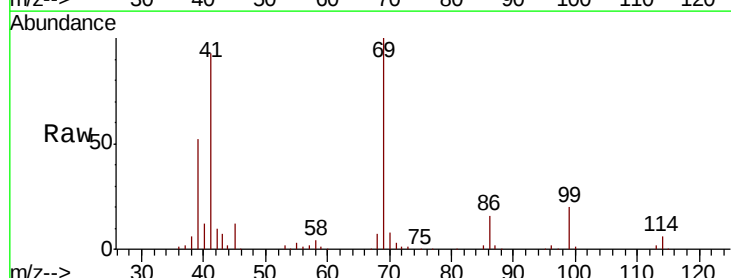
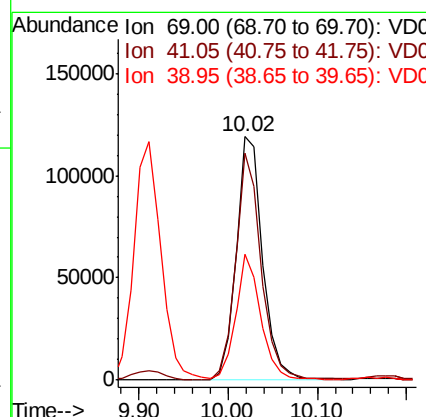
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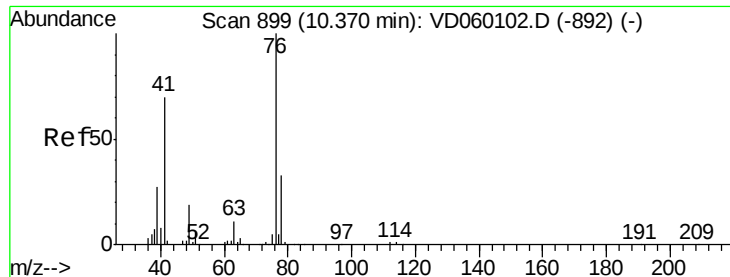
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#56
 Ethyl methacrylate
 Concen: 20.834 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	69	Resp	248004
Ion Ratio	Lower	Upper	
69	100		
41	93.0	66.6	100.0
39	51.8	36.0	54.0





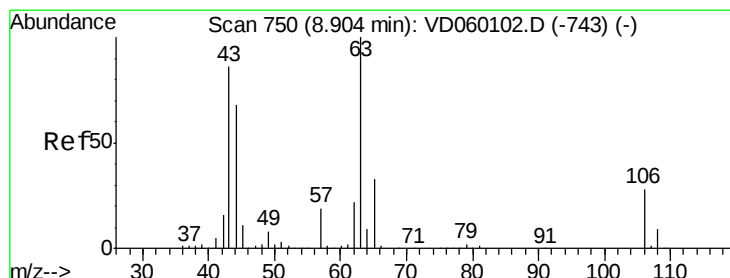
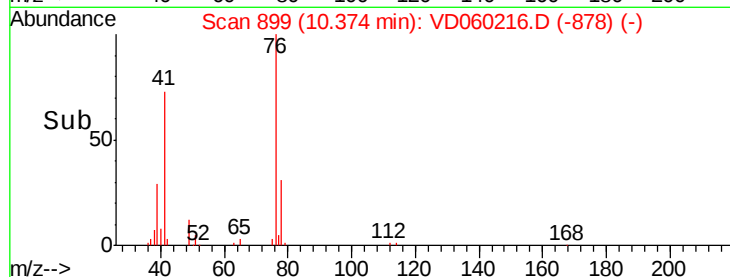
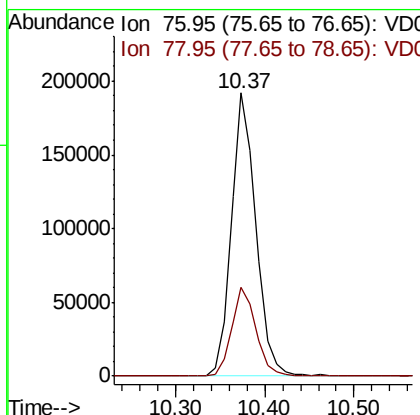
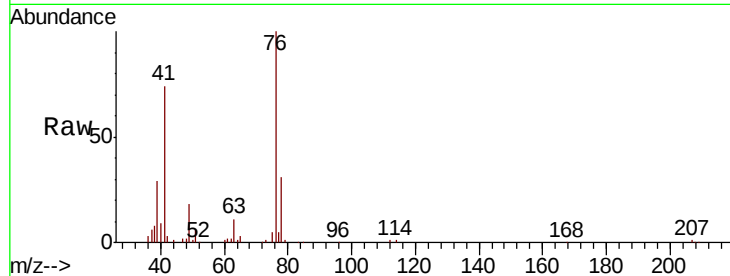
#57
 1,3-Dichloropropane
 Concen: 22.487 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion: 76 Resp: 369838
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2

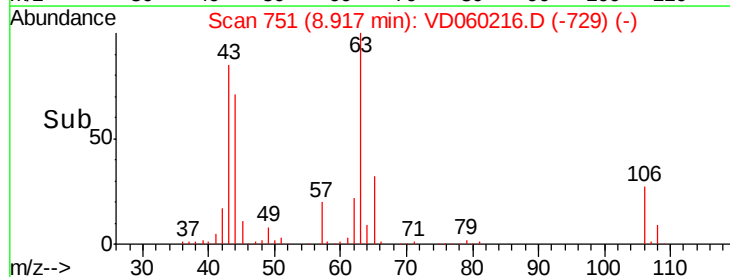
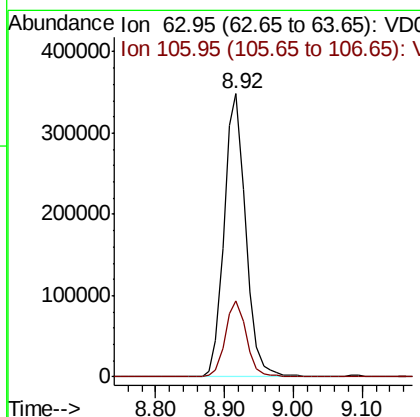
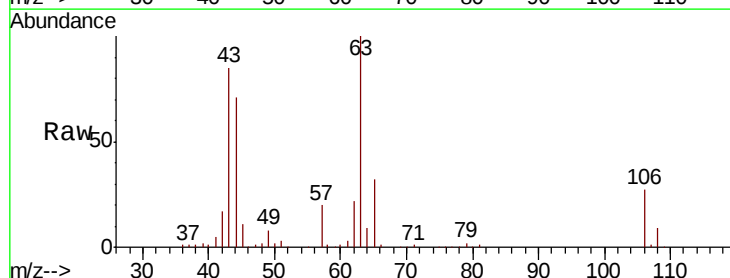
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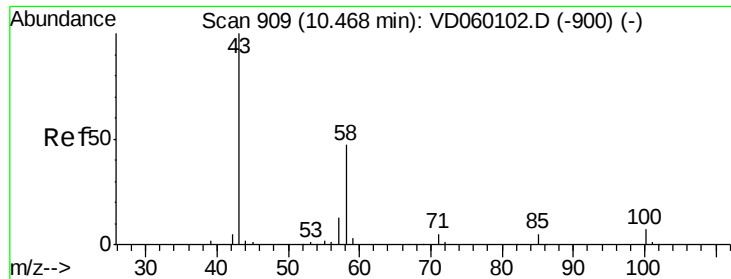
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.260 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion: 63 Resp: 755278
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.6 34.0





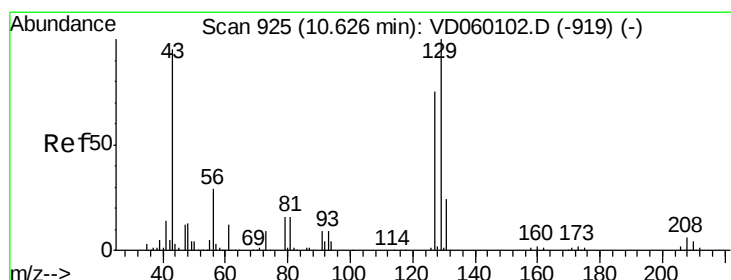
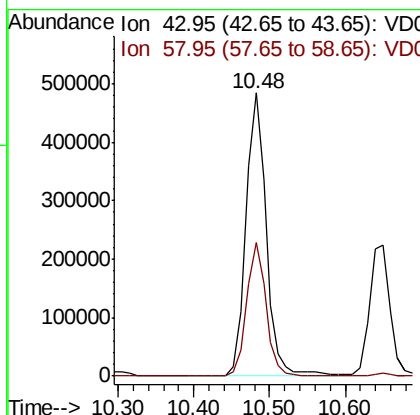
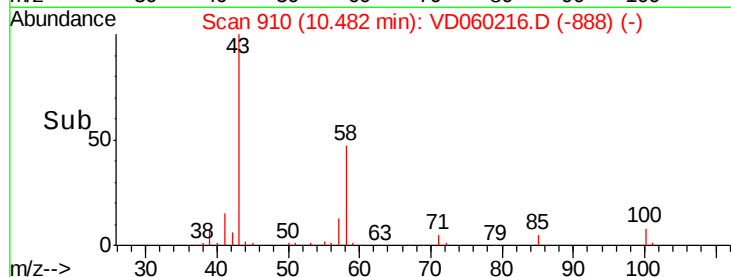
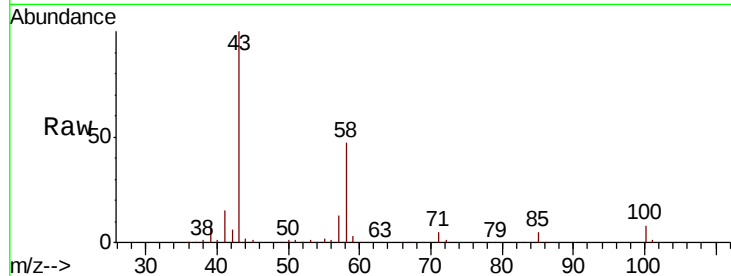
#59
2-Hexanone
Concen: 116.025 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 43 Resp: 899642
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9

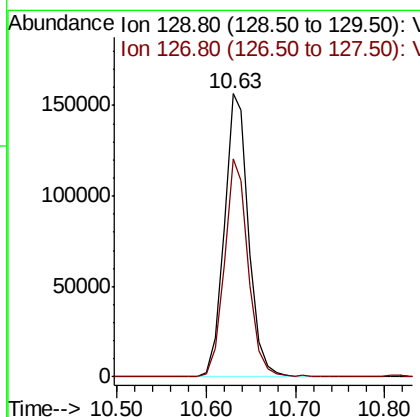
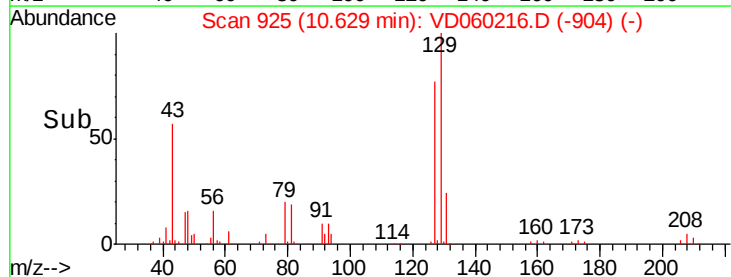
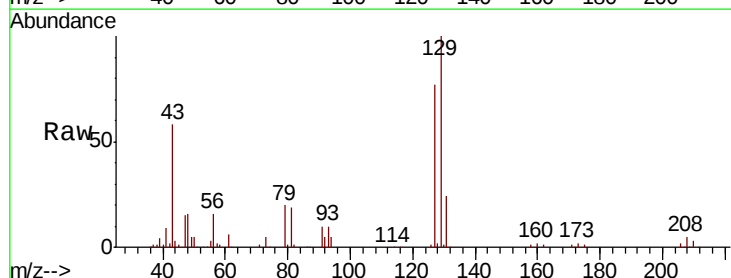
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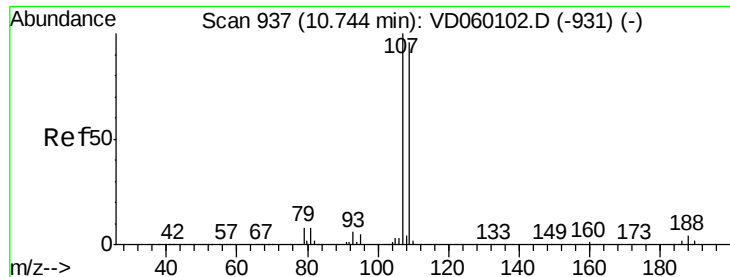
apatel
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#60
Dibromochloromethane
Concen: 22.687 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion: 129 Resp: 300162
Ion Ratio Lower Upper
129 100
127 77.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.263 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 107 Resp: 243626

Ion Ratio Lower Upper

107 100

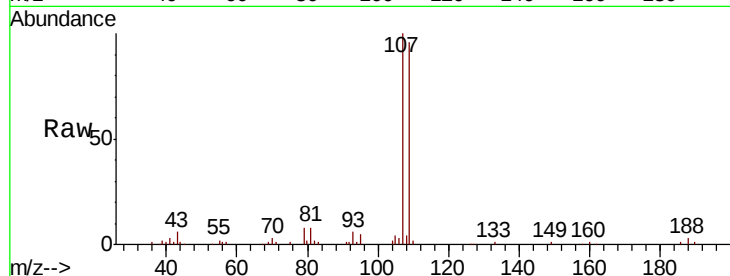
109 95.7 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

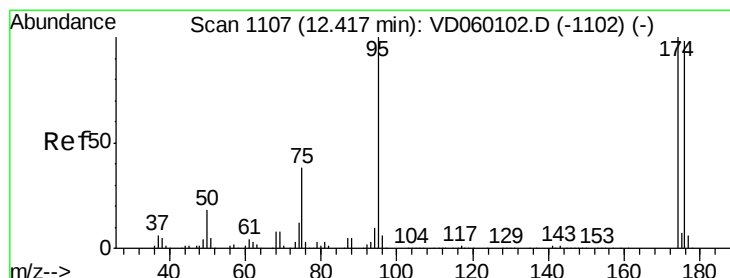
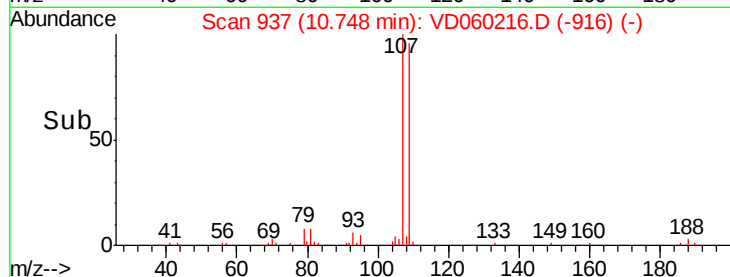
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.263 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

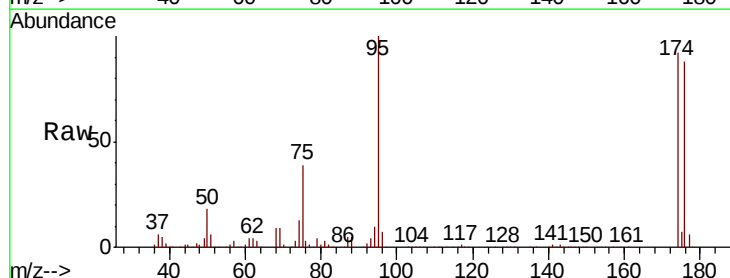
Tgt Ion: 95 Resp: 871534

Ion Ratio Lower Upper

95 100

174 92.0 0.0 200.2

176 88.4 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

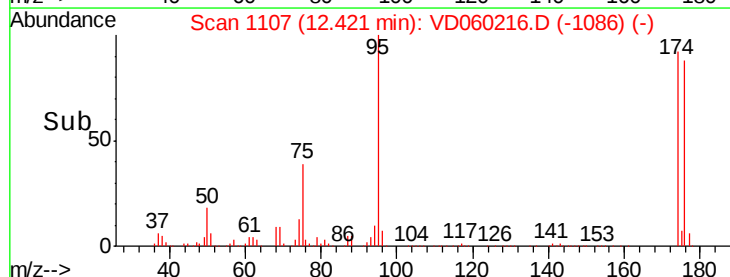
600000

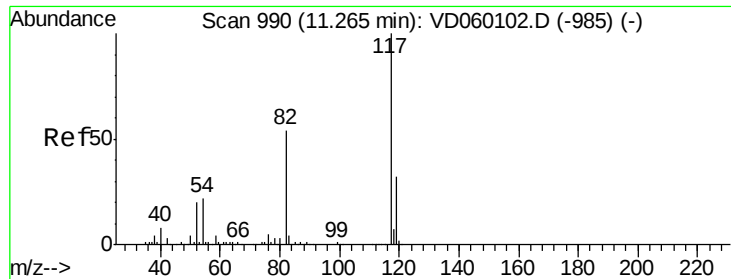
400000

200000

0

Time-->





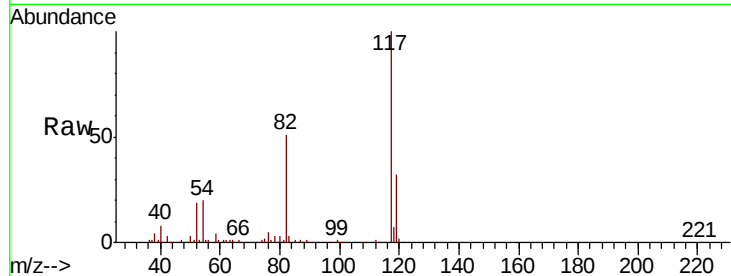
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

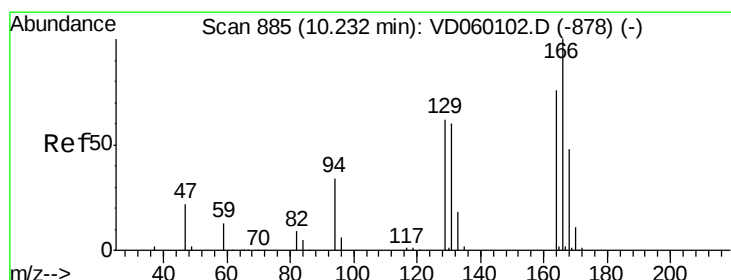
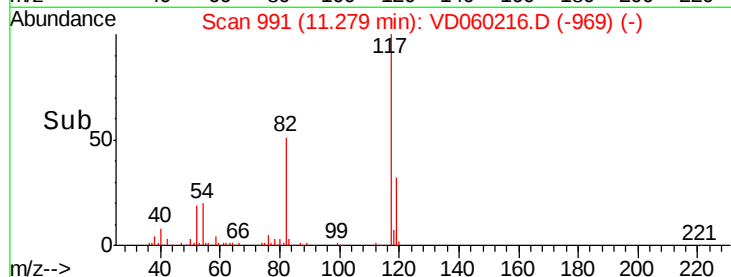
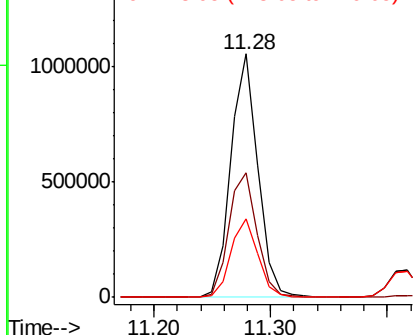
Tot Ion:117 Resp: 1685089
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.2 26.0 39.0

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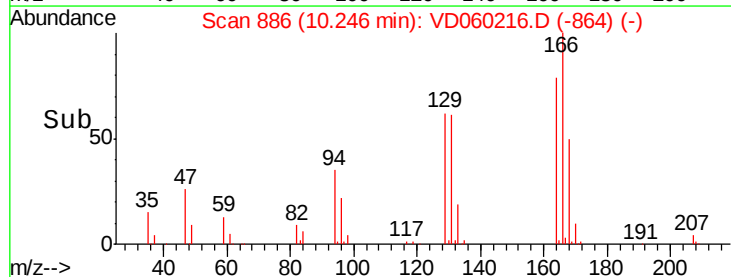
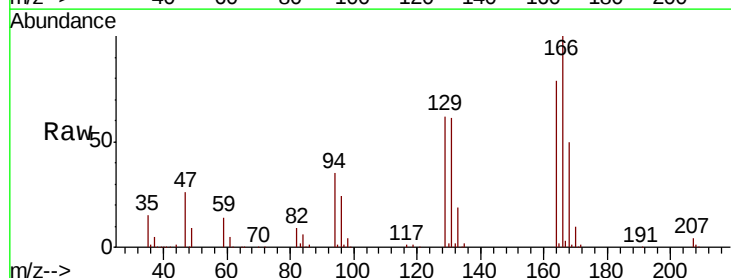
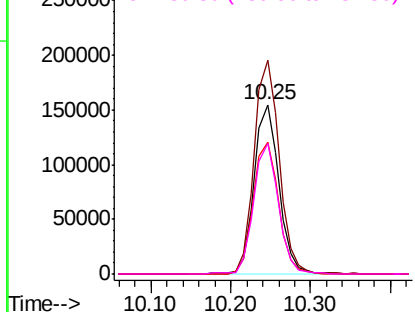
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

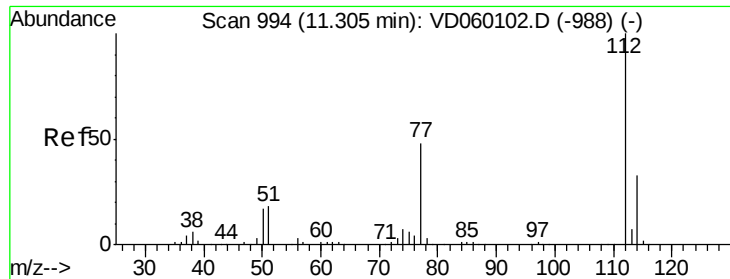


#64
Tetrachloroethene
Concen: 22.303 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion:164 Resp: 329172
Ion Ratio Lower Upper
164 100
166 126.0 105.4 158.0
129 77.5 65.7 98.5
131 77.0 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: 22.423 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:112 Resp: 817433

Ion Ratio Lower Upper

112 100

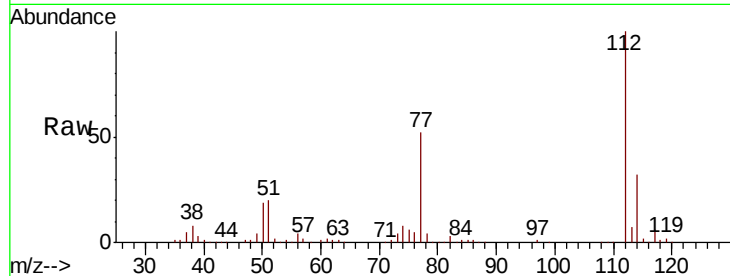
114 32.4 26.0 39.0

Manual Integrations

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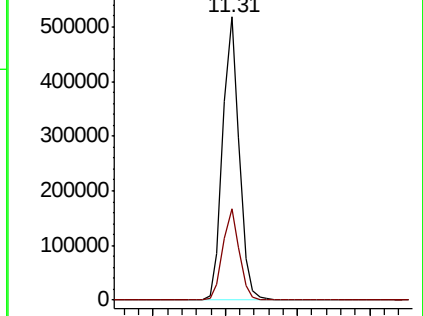
apatel

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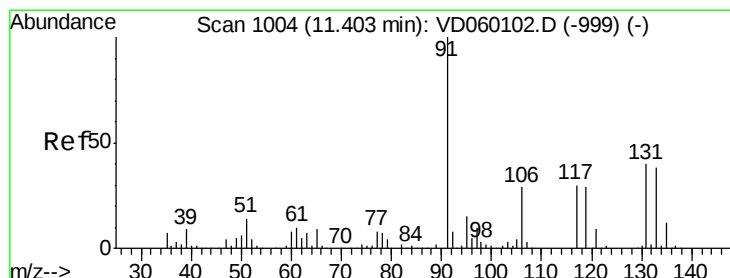
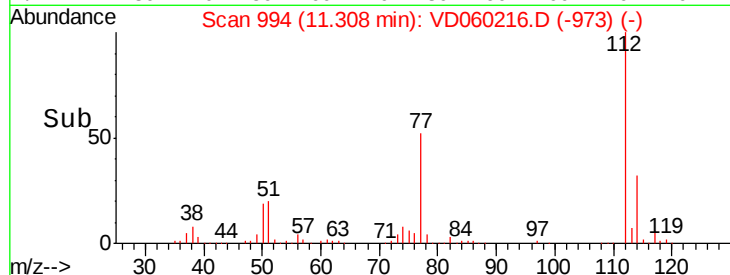


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.285 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

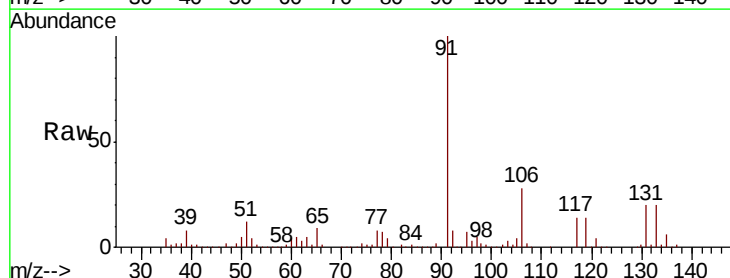
Tgt Ion:131 Resp: 283182

Ion Ratio Lower Upper

131 100

133 97.8 47.4 142.3

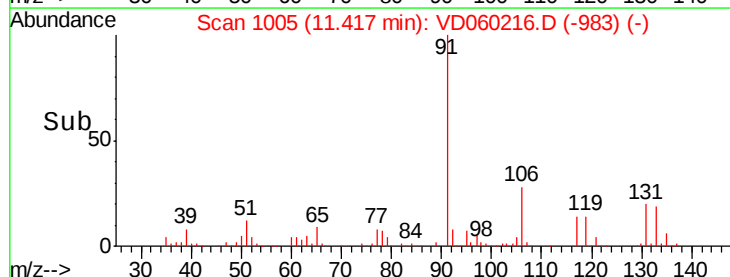
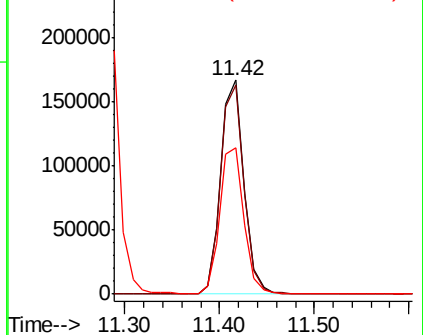
119 68.6 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





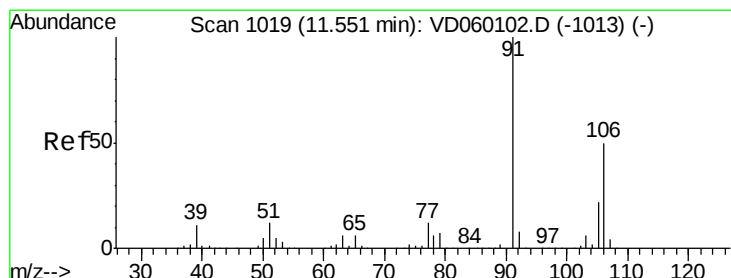
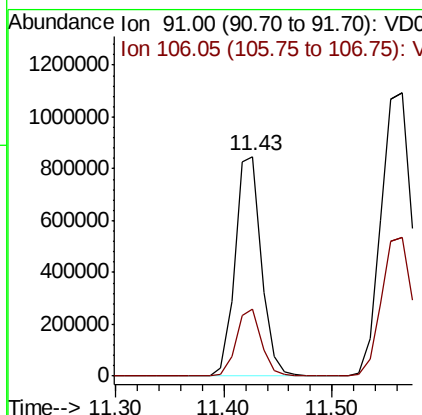
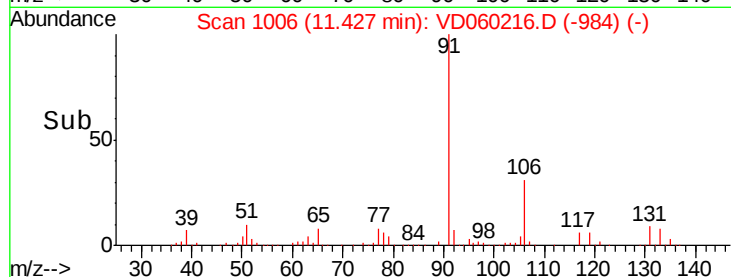
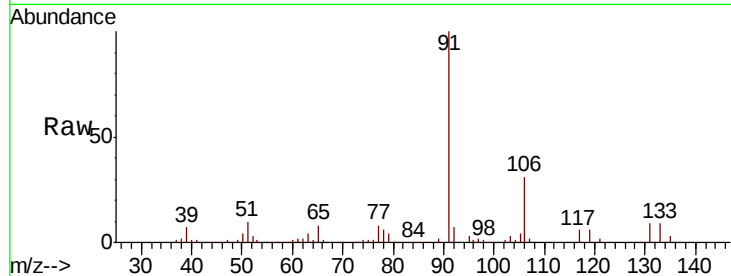
#67
Ethyl Benzene
Concen: 24.221 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 91 Resp: 1430601
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

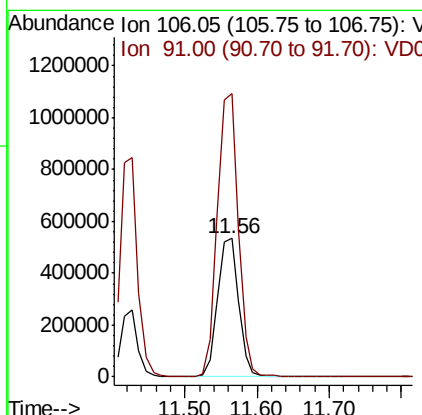
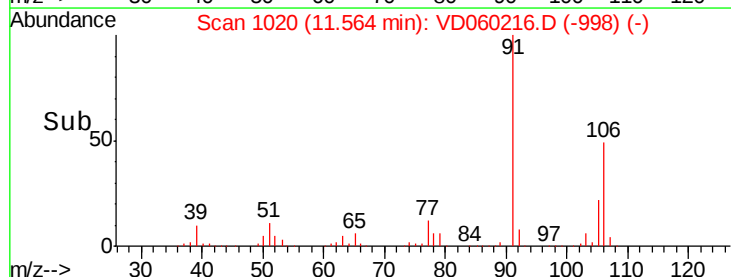
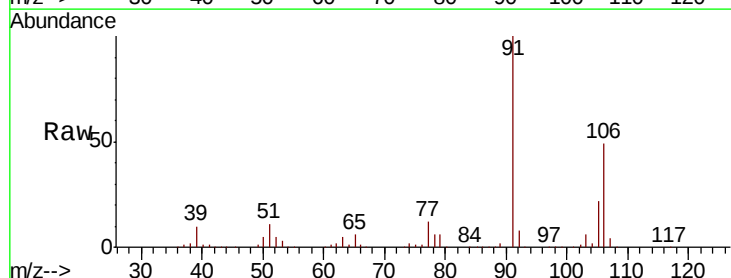
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#68
m/p-Xylenes
Concen: 48.339 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion: 106 Resp: 1066761
Ion Ratio Lower Upper
106 100
91 204.5 160.0 240.0





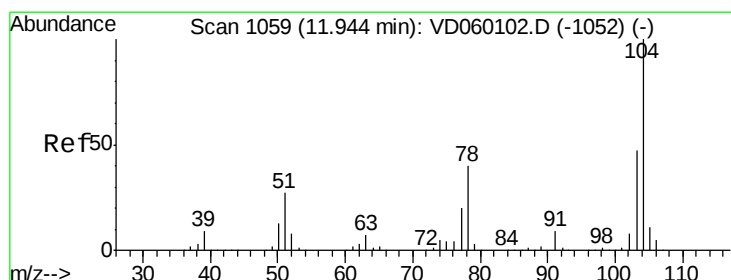
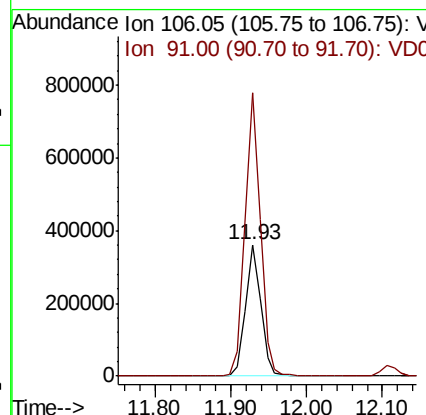
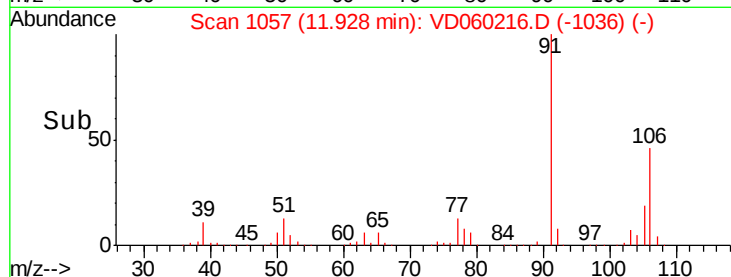
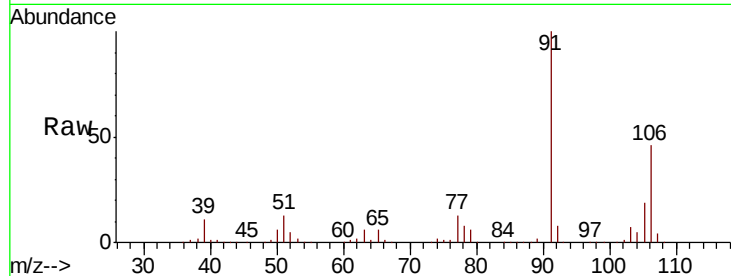
#69
o-Xylene
Concen: 22.934 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion:106 Resp: 500600
Ion Ratio Lower Upper
106 100
91 215.2 102.5 307.5

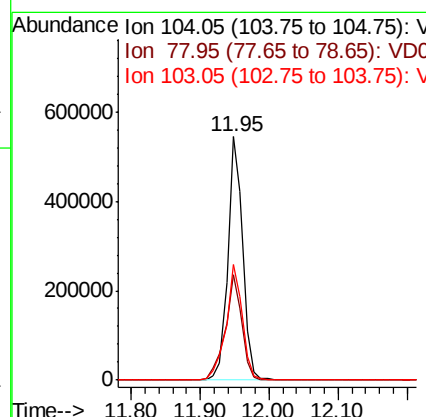
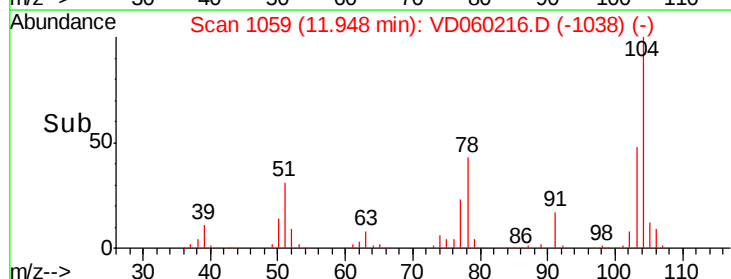
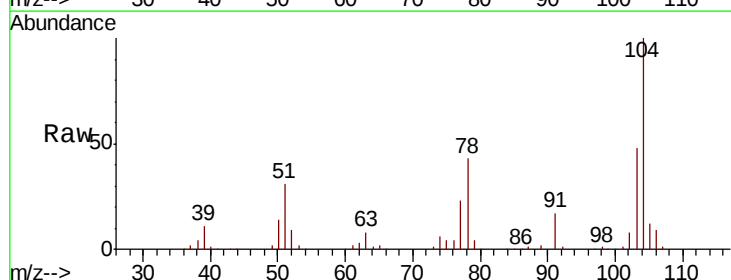
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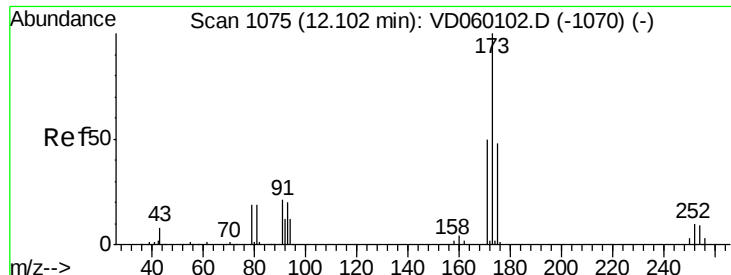
apatel
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#70
Styrene
Concen: 22.293 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion:104 Resp: 813767
Ion Ratio Lower Upper
104 100
78 43.1 32.2 48.4
103 47.6 37.4 56.0





#71

Bromoform

Concen: 20.528 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

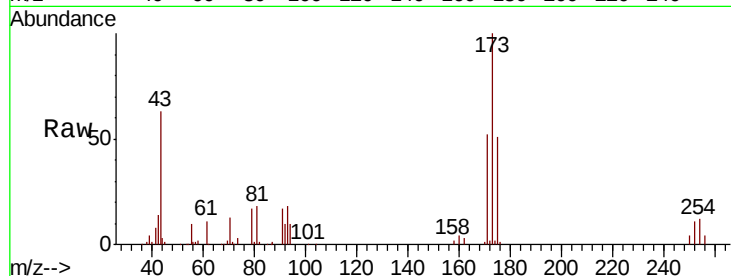
ClientSampleId :

VD1026SBS01

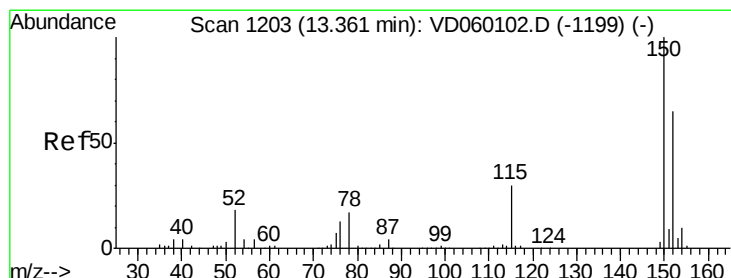
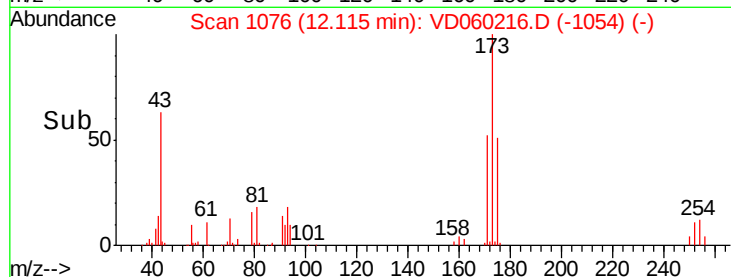
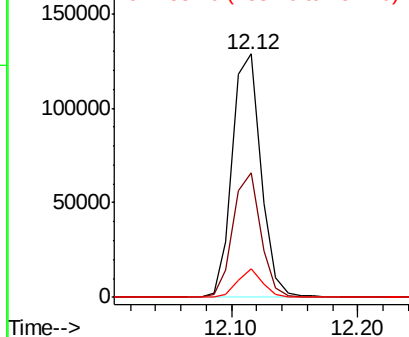
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.1	72.4
254	11.5	7.4	11.0

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

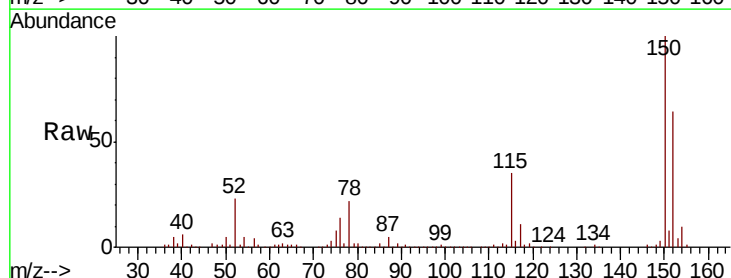
RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

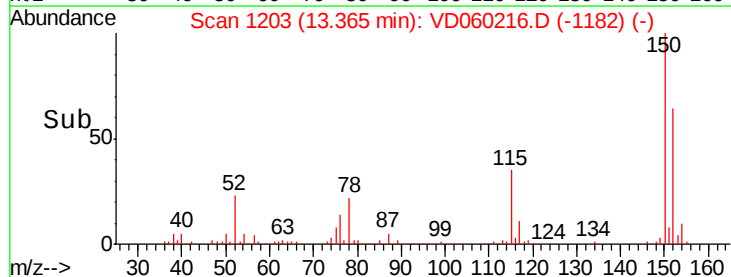
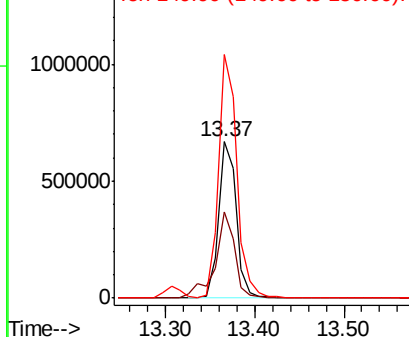
Lab File: VD060216.D

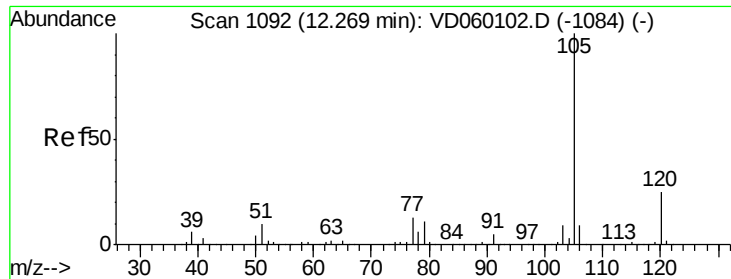
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.1	81.2
150	155.7	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.828 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:105 Resp: 1404023

Ion Ratio Lower Upper

105 100

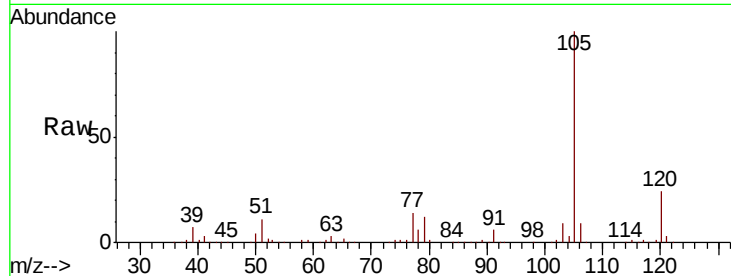
120 24.0 12.6 37.6

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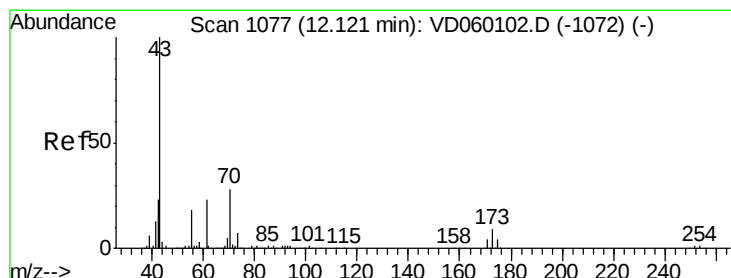
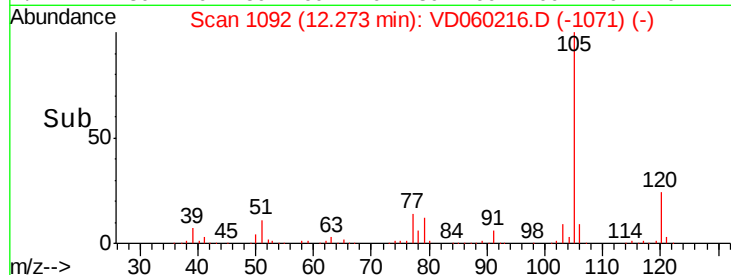
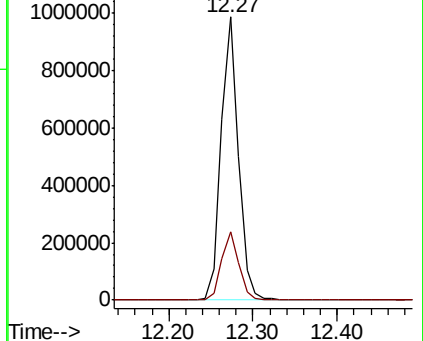
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.659 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tgt Ion: 43 Resp: 465429

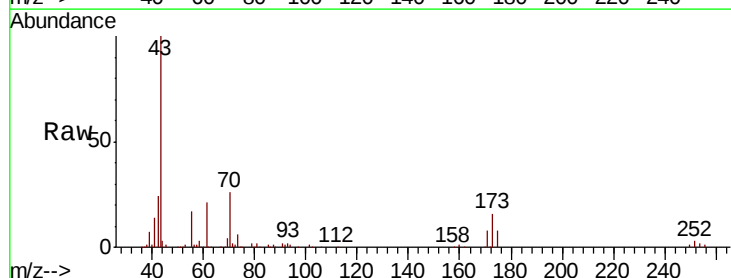
Ion Ratio Lower Upper

43 100

70 25.7 22.1 33.1

55 16.6 14.1 21.1

61 21.4 18.4 27.6

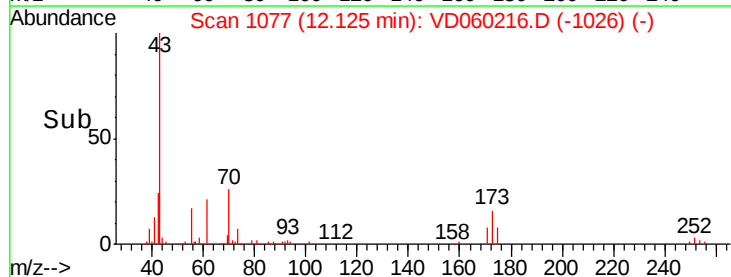
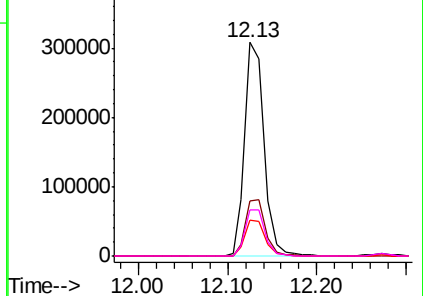


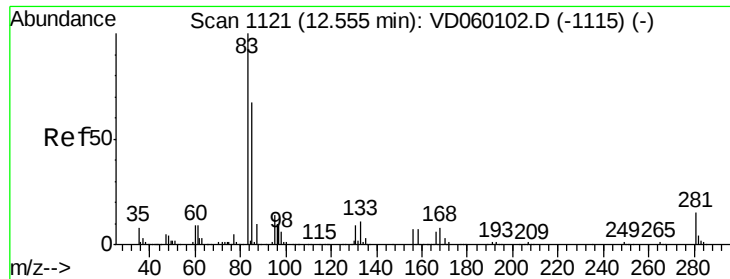
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.543 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 83 Resp: 275837
Ion Ratio Lower Upper

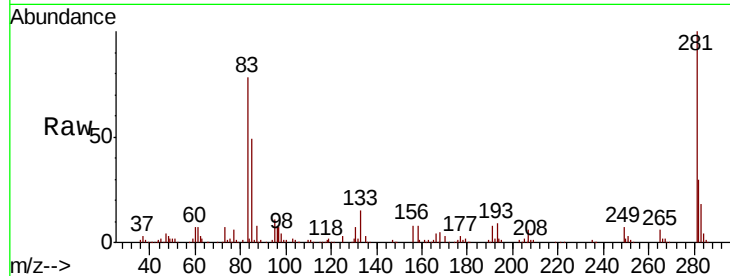
83 100

131 8.7 4.5 13.4

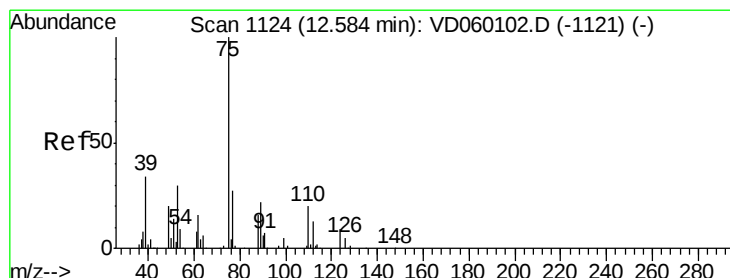
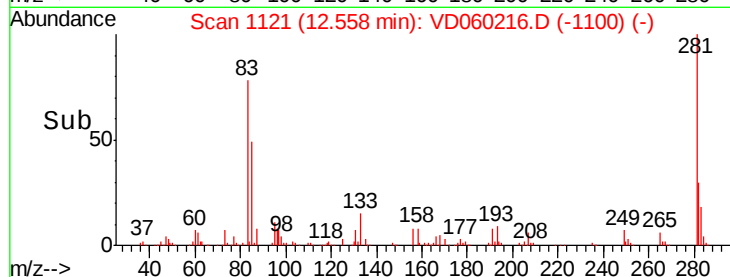
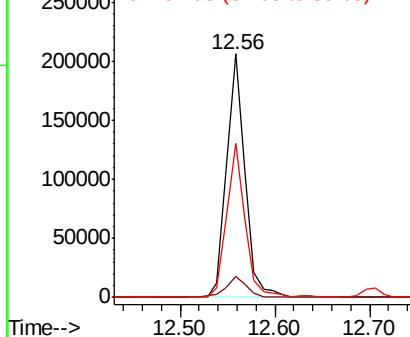
85 63.3 33.3 99.9

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



#76

1,2,3-Trichloropropane

Concen: 20.250 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

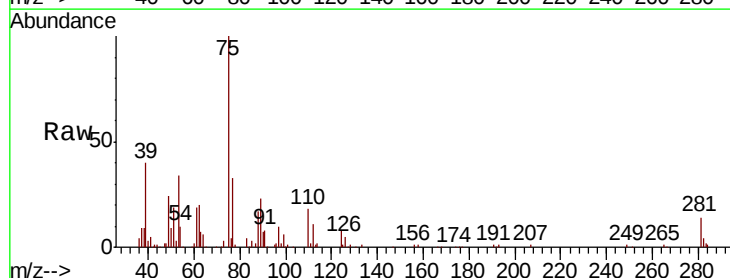
Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

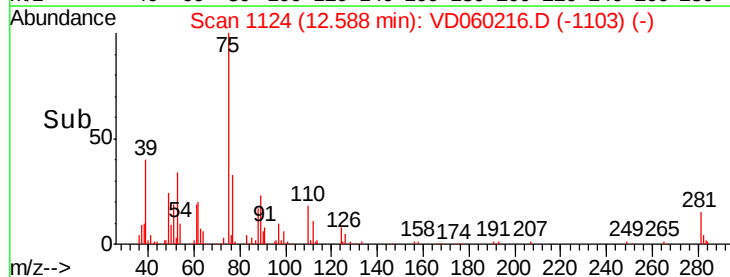
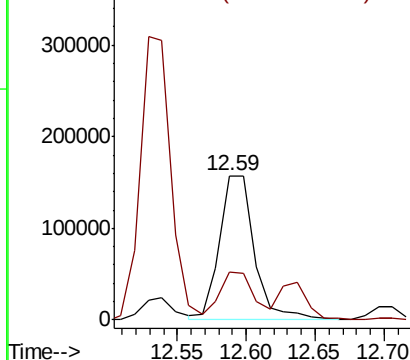
Tgt Ion: 75 Resp: 271877
Ion Ratio Lower Upper

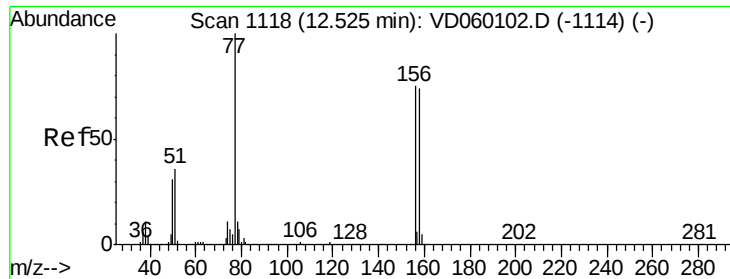
75 100

77 33.4 16.3 48.9



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





#77

Bromobenzene

Concen: 21.565 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

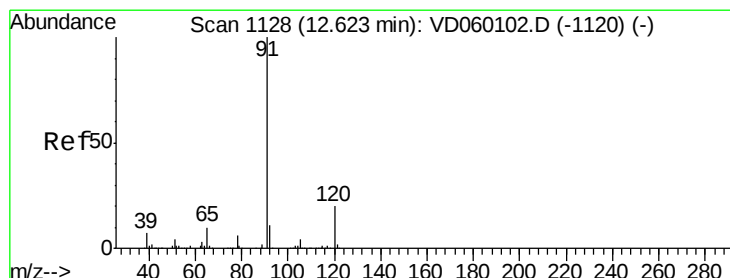
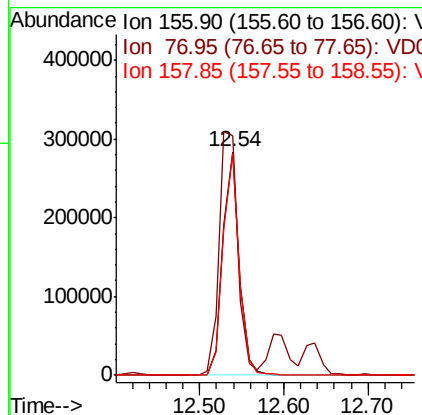
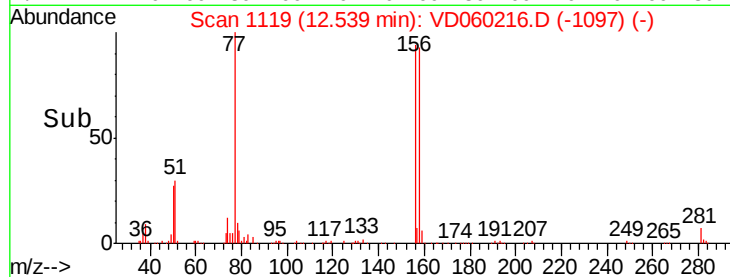
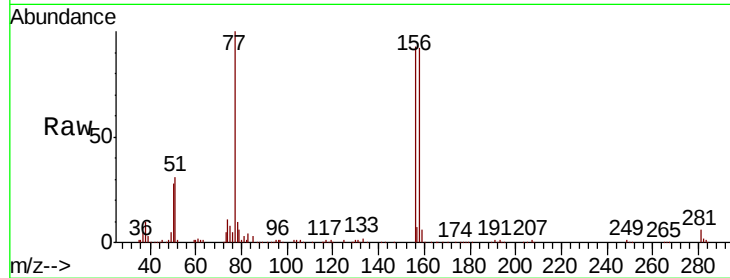
ClientSampleId :

VD1026SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	107.6	66.9	200.7
158	99.4	49.1	147.4

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#78

n-propylbenzene

Concen: 23.158 ug/l

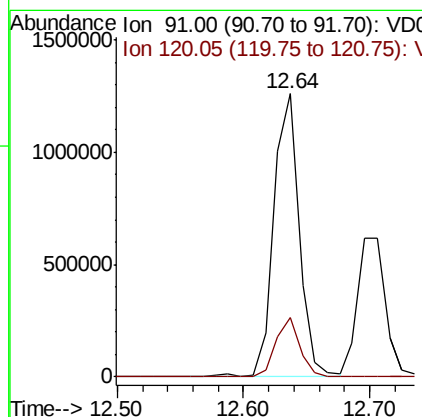
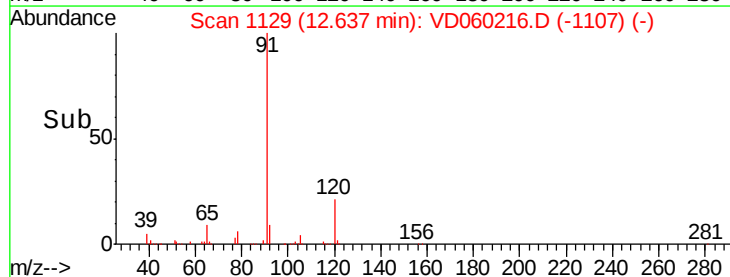
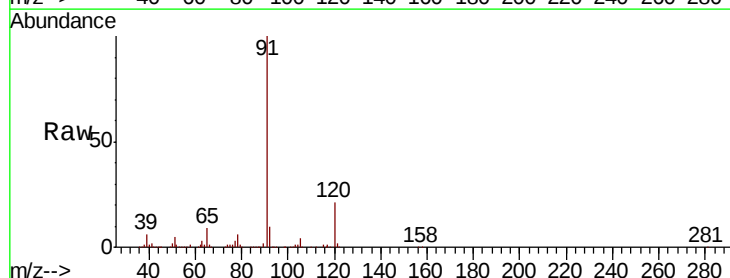
RT: 12.64 min Scan# 1129

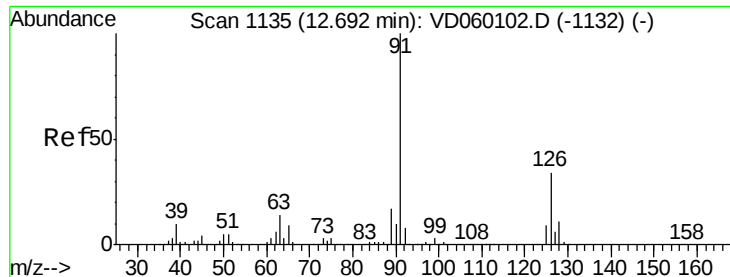
Delta R.T. 0.01 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.0	30.0





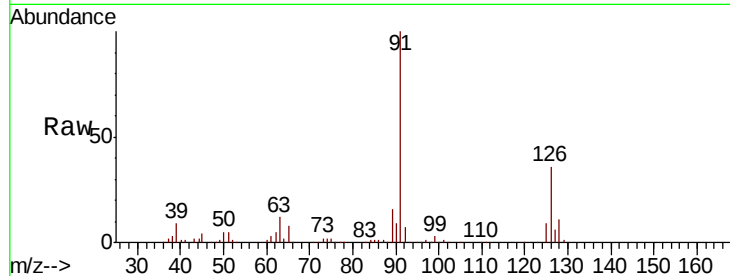
#79
2-Chlorotoluene
Concen: 22.252 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

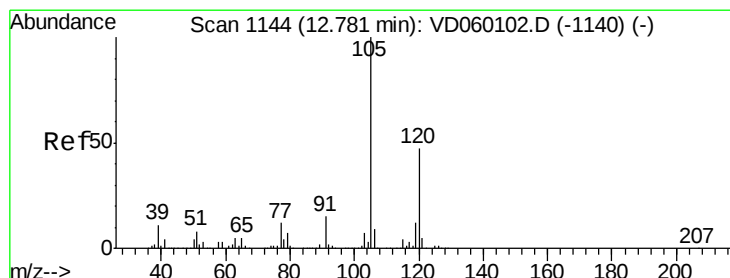
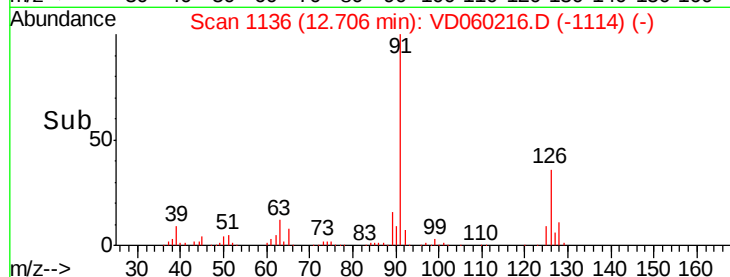
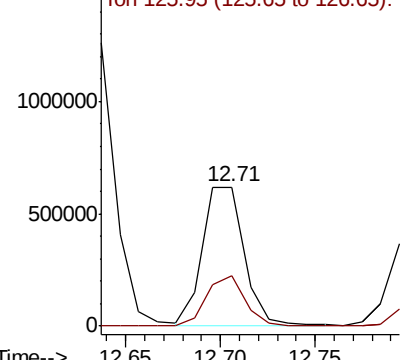
Tot Ion: 91 Resp: 943181
Ion Ratio Lower Upper
91 100
126 36.4 16.8 50.3

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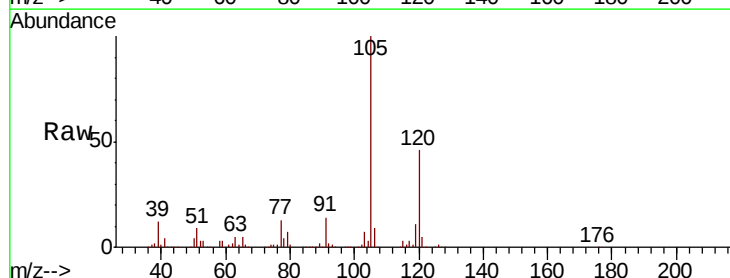


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

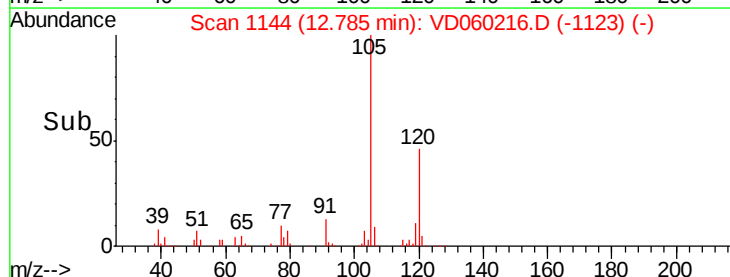
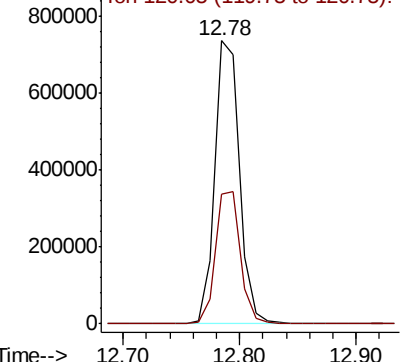


#80
1,3,5-Trimethylbenzene
Concen: 22.591 ug/l
RT: 12.78 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion:105 Resp: 1075368
Ion Ratio Lower Upper
105 100
120 45.9 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





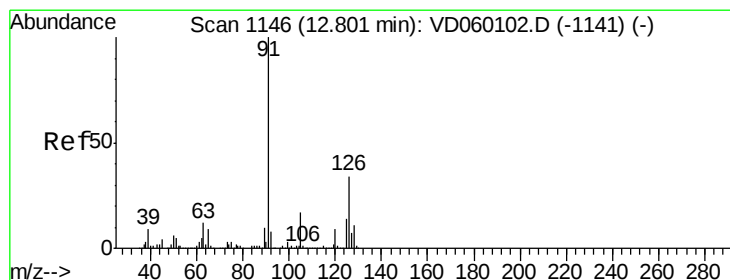
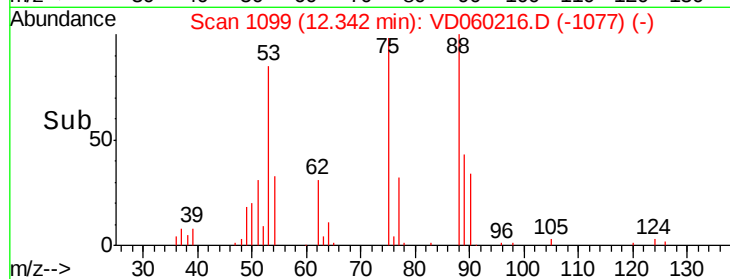
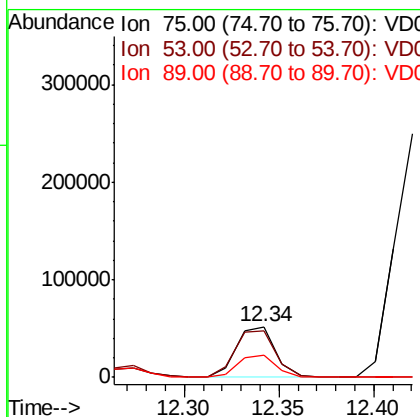
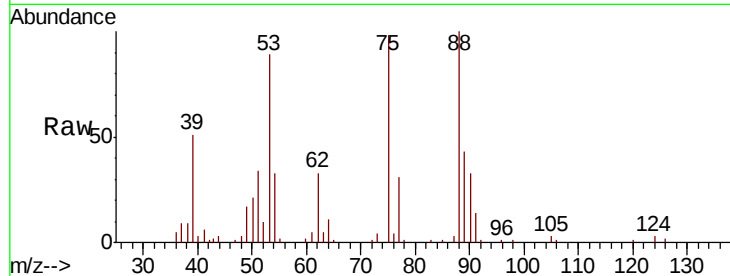
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	73.0	109.6
89	43.7	32.0	48.0

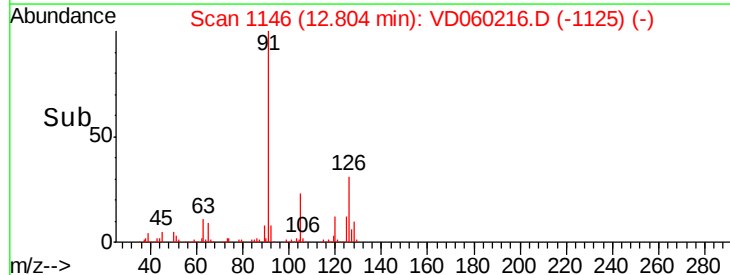
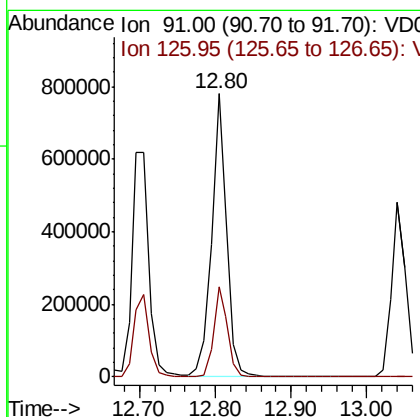
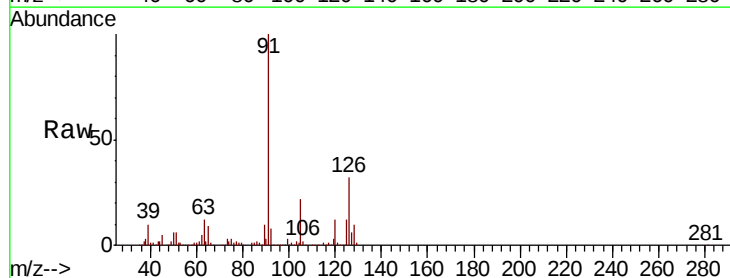
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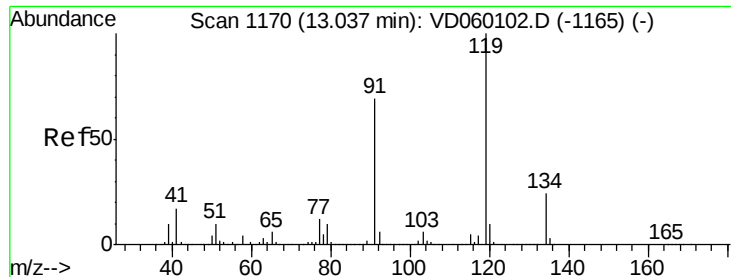
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#82
4-Chlorotoluene
Concen: 22.857 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	17.1	51.2





#83

tert-Butylbenzene

Concen: 22.815 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD060216.D

Acq: 26 Oct 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:119 Resp: 1246297

Ion Ratio Lower Upper

119 100

91 72.1 34.8 104.4

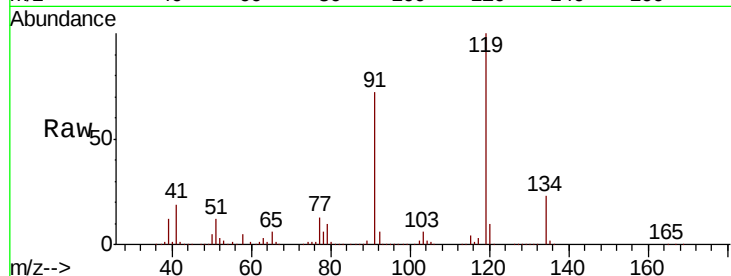
134 23.2 11.8 35.4

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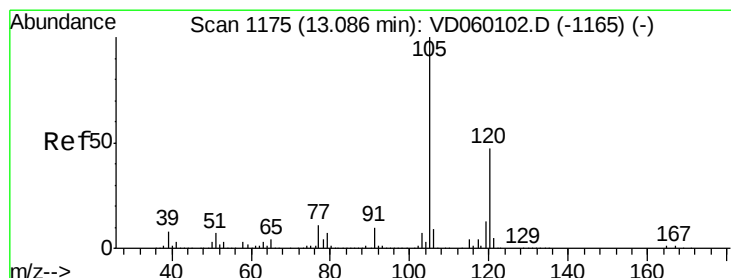
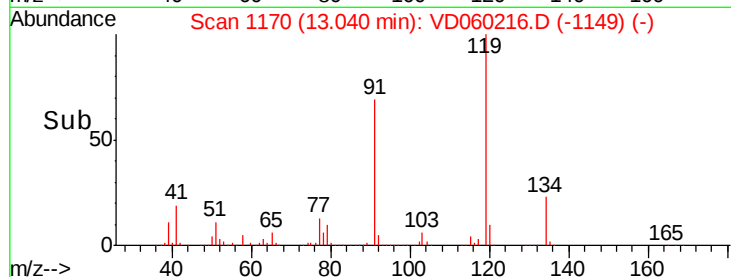
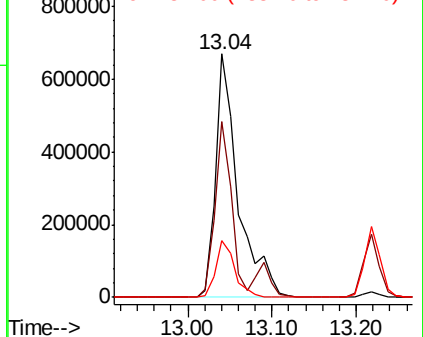
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.776 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VD060216.D

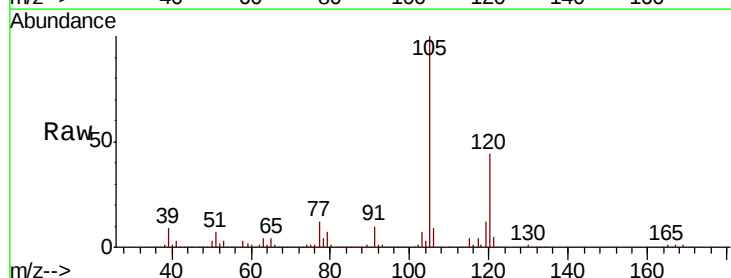
Acq: 26 Oct 2018 15:11

Tgt Ion:105 Resp: 1142661

Ion Ratio Lower Upper

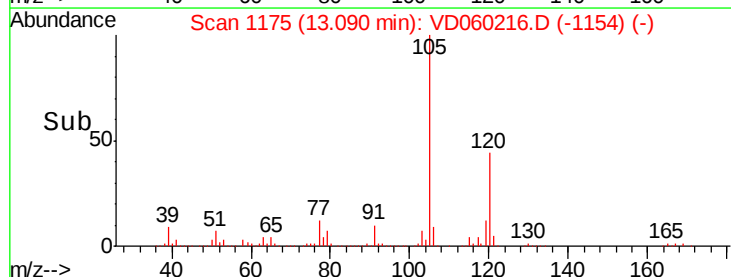
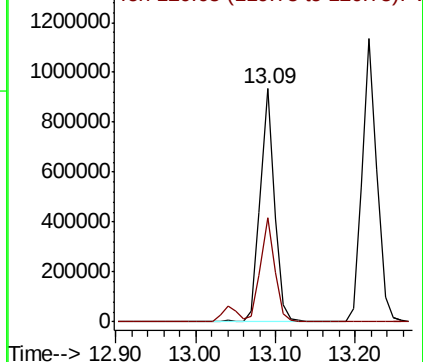
105 100

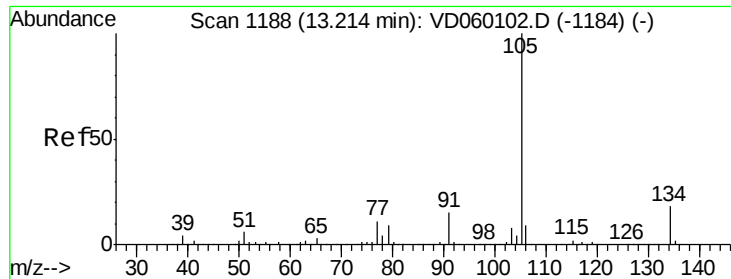
120 44.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





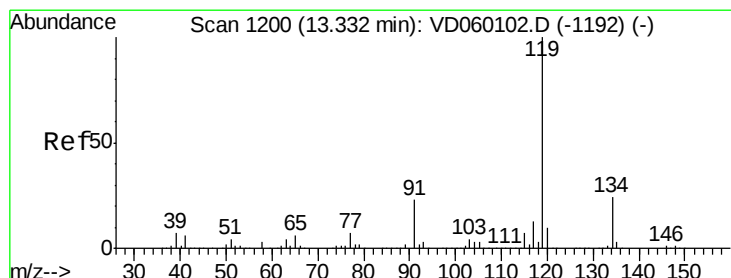
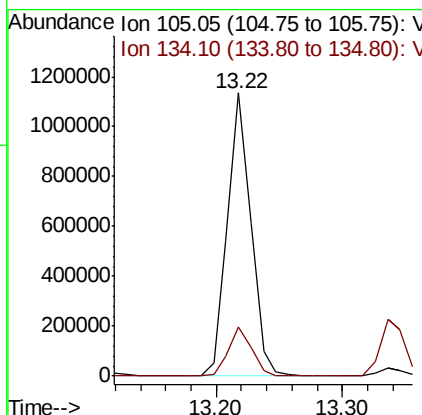
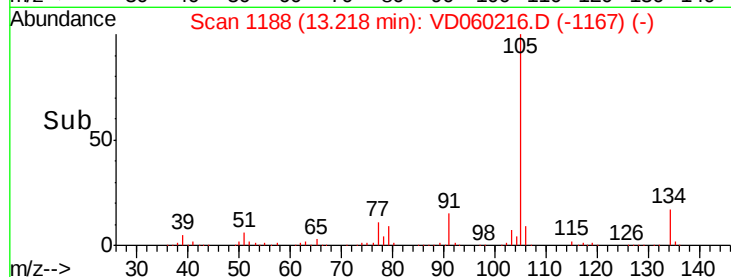
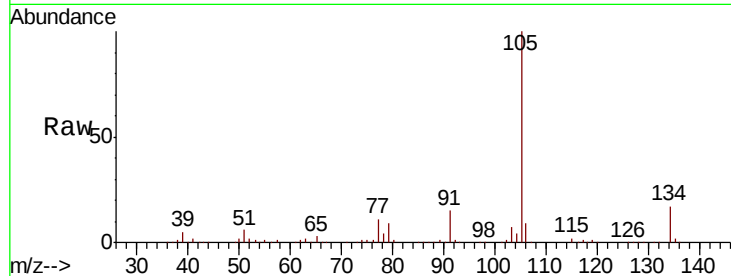
#85
 sec-Butylbenzene
 Concen: 22.569 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion:105 Resp: 1457686
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.2

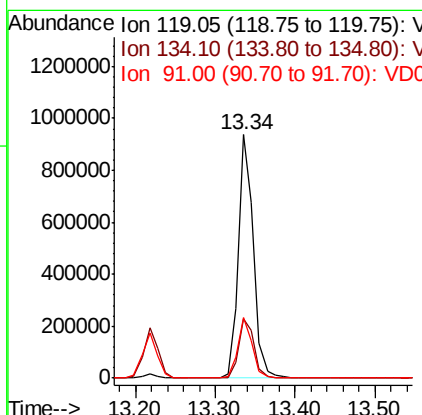
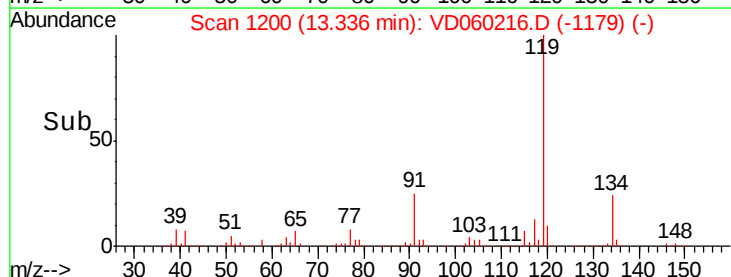
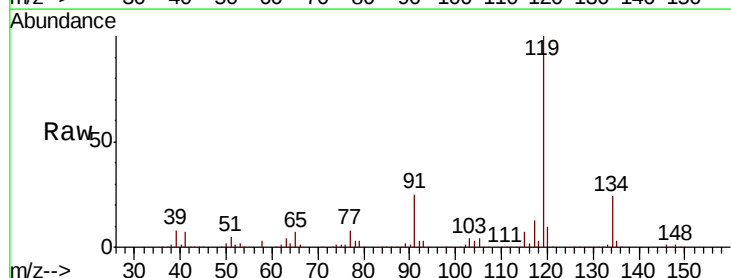
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#86
 p-Isopropyltoluene
 Concen: 23.245 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion:119 Resp: 1231387
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.3 36.8
 91 24.8 11.8 35.4





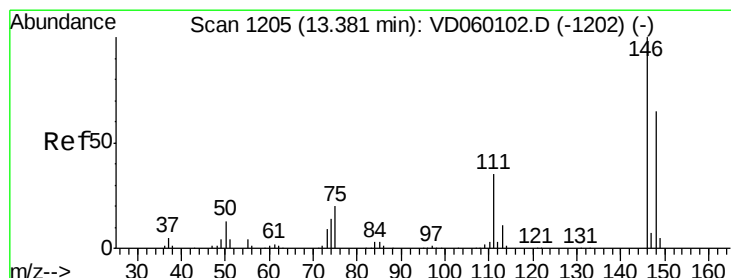
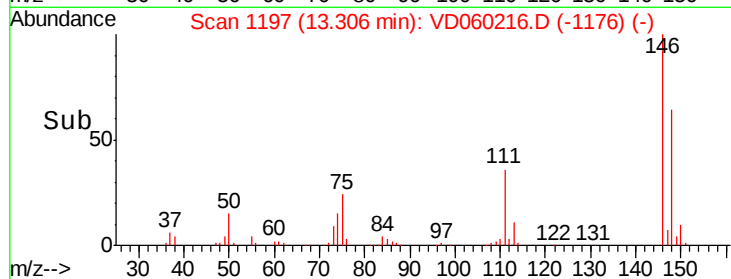
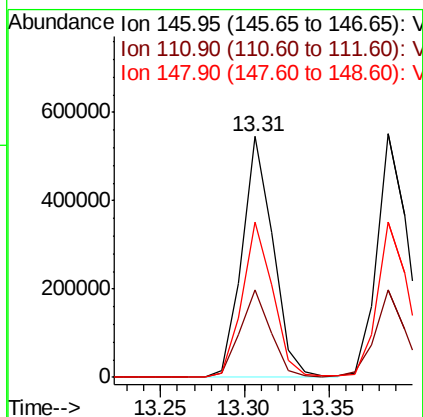
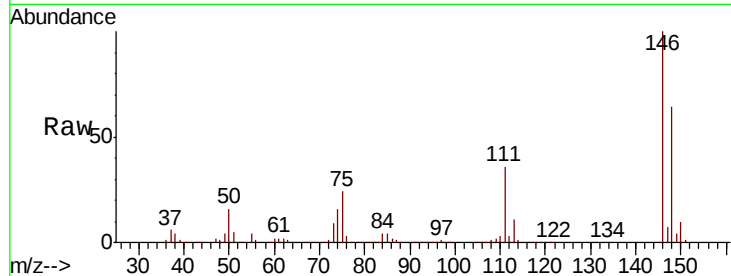
#87
 1,3-Dichlorobenzene
 Concen: 22.437 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	64.4	32.3	96.9

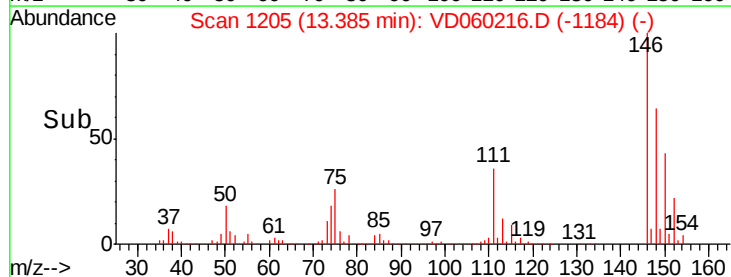
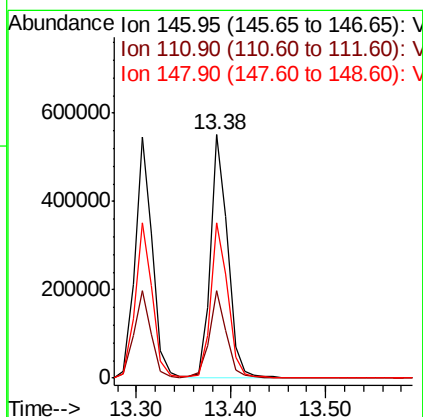
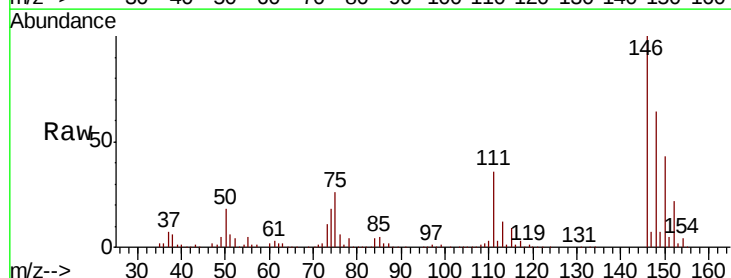
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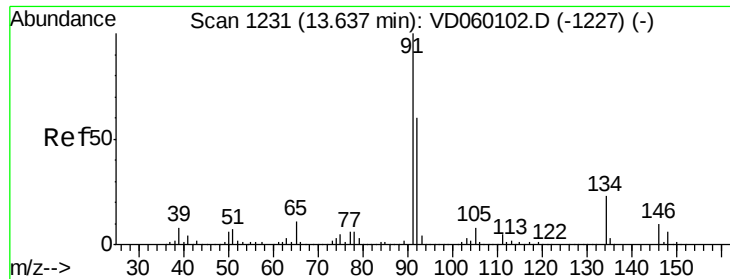
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#88
 1,4-Dichlorobenzene
 Concen: 22.483 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.8	53.3
148	63.7	32.4	97.2





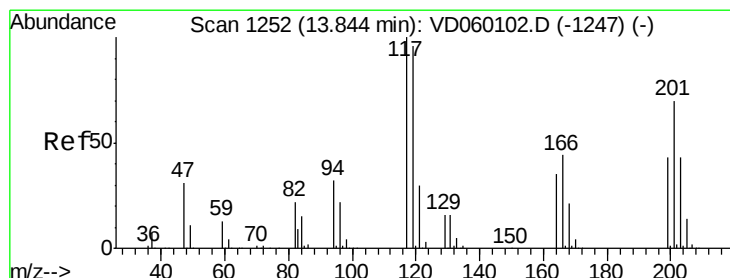
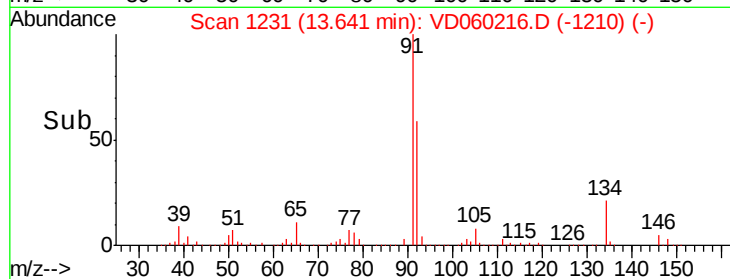
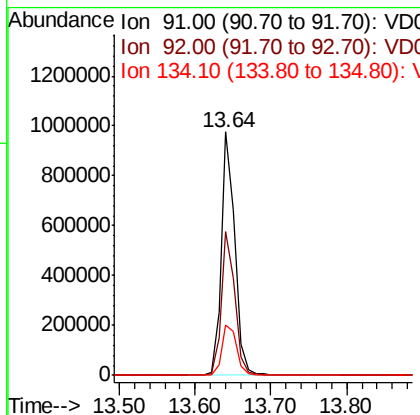
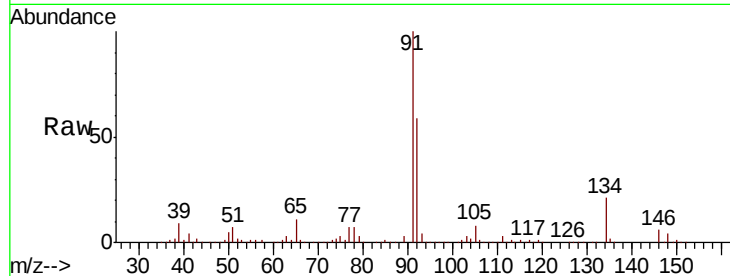
#89
n-Butylbenzene
Concen: 23.798 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 91 Resp: 1230153
Ion Ratio Lower Upper
91 100
92 58.8 30.1 90.3
134 20.6 11.6 34.7

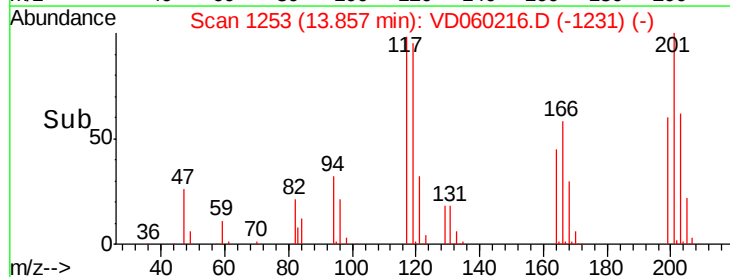
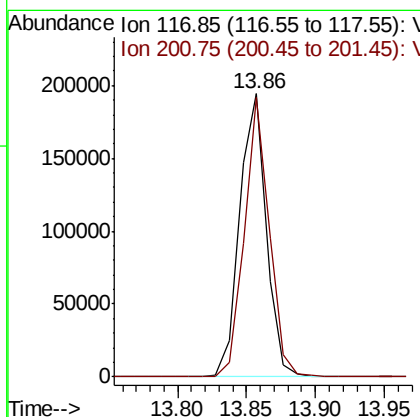
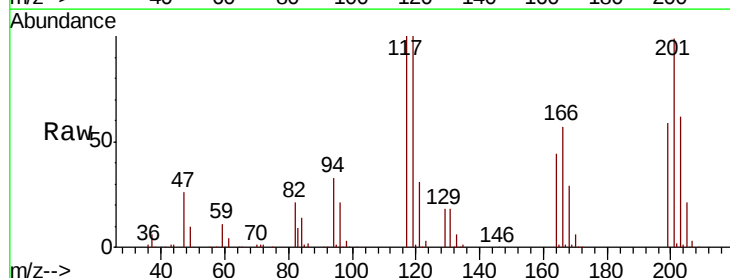
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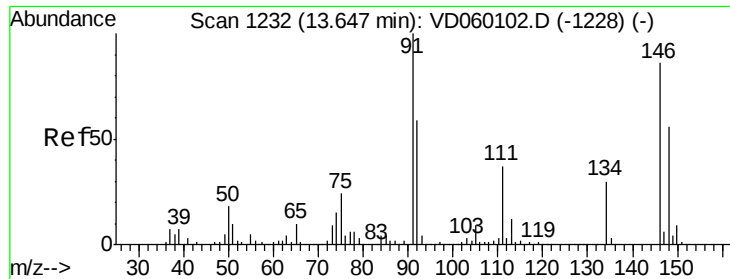
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#90
Hexachloroethane
Concen: 21.358 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion: 117 Resp: 261853
Ion Ratio Lower Upper
117 100
201 98.8 34.8 104.5





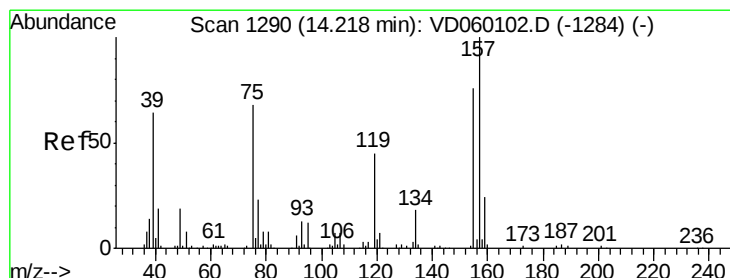
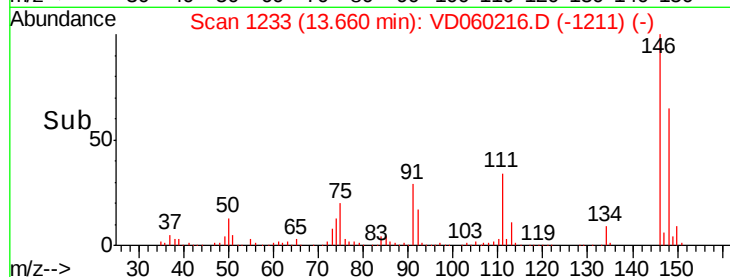
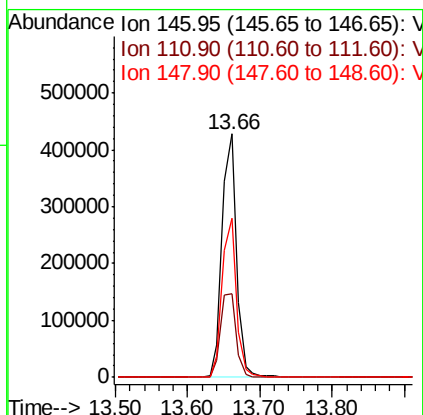
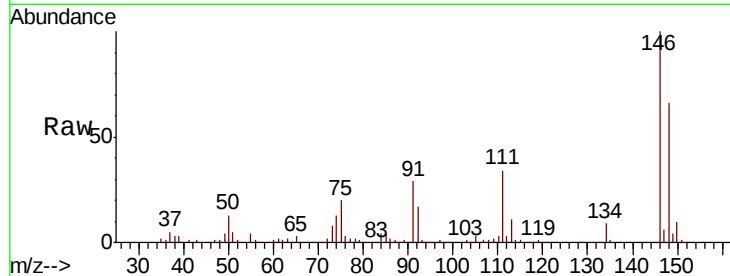
#91
 1,2-Dichlorobenzene
 Concen: 22.457 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	21.4	64.3
148	65.5	32.2	96.6

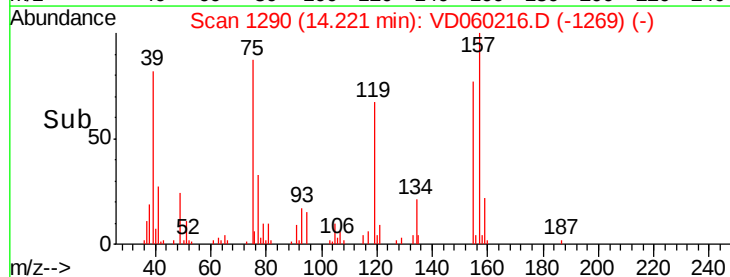
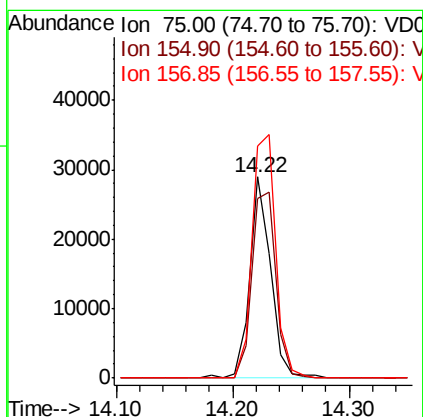
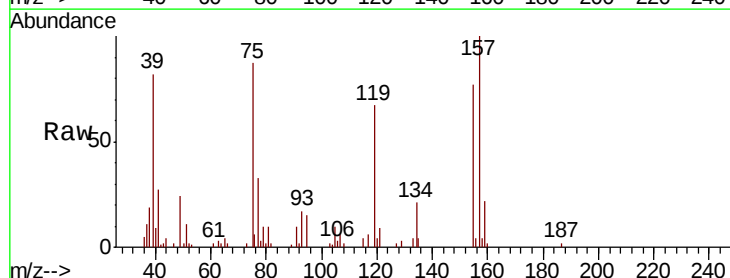
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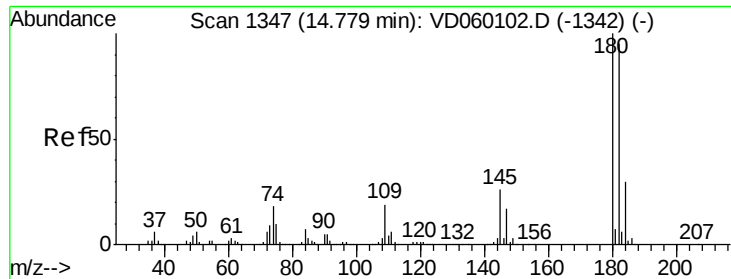
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.032 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	55.9	167.7
157	115.1	73.3	219.8





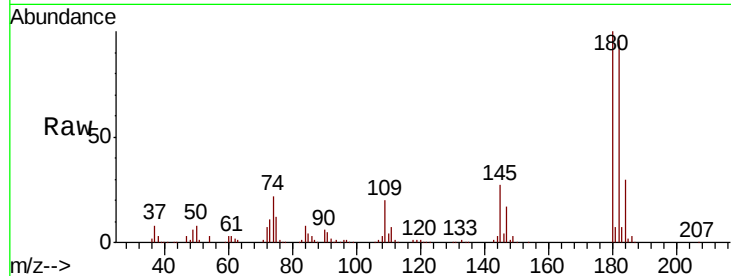
#93
 1,2,4-Trichlorobenzene
 Concen: 21.479 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	477336		
182	96.5	47.3	141.8	
145	26.9	13.0	38.9	

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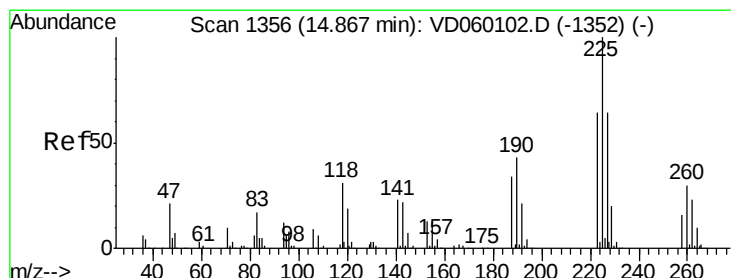
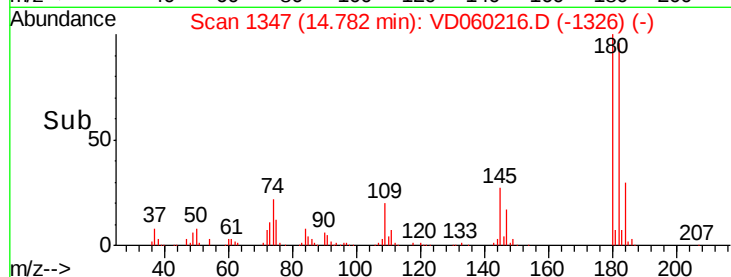
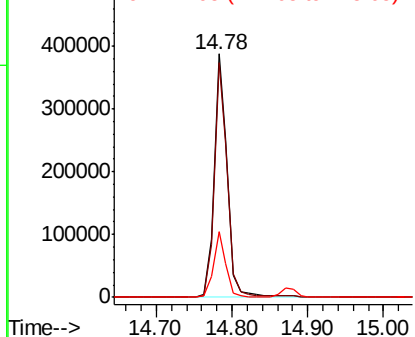


Abundance

Ion 179.85 (179.55 to 180.55): V

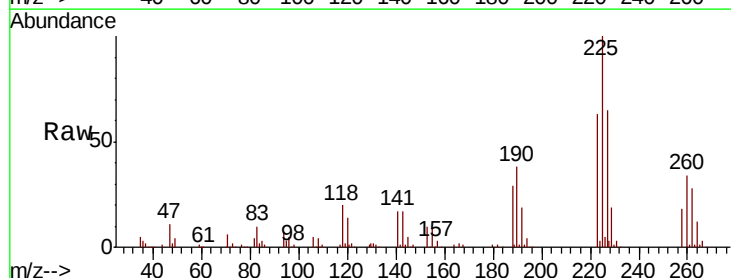
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 22.150 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060216.D
 Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	327210		
223	62.6	31.8	95.4	
227	65.3	32.0	96.0	

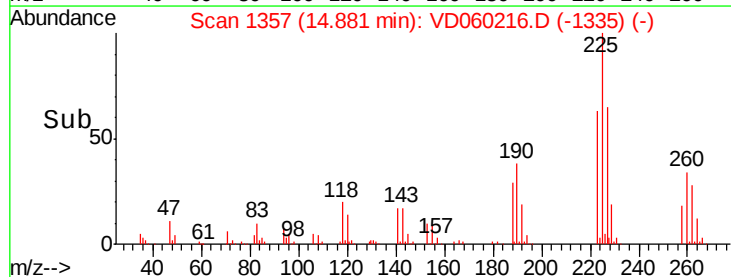
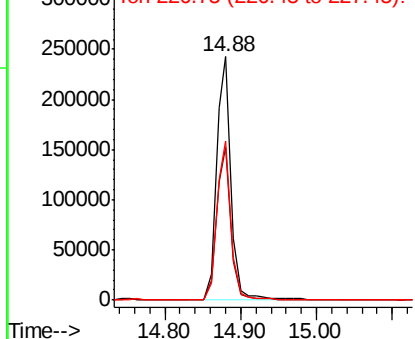


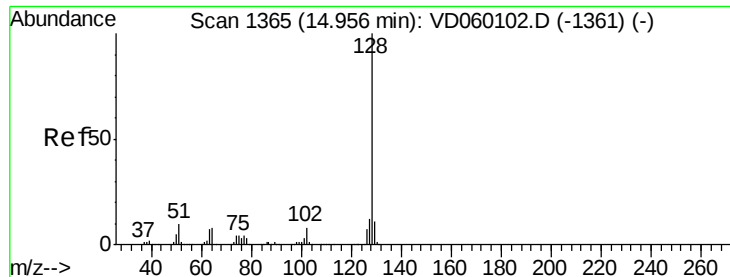
Abundance

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





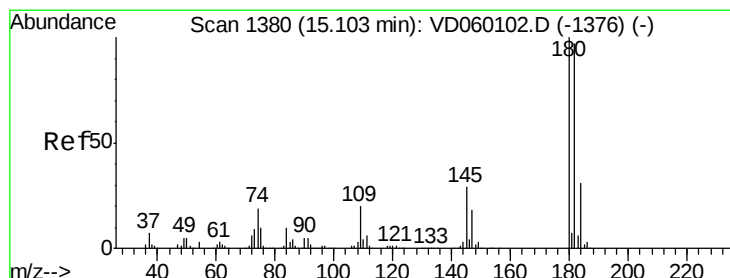
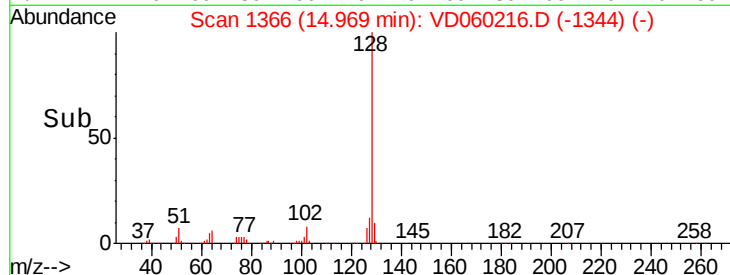
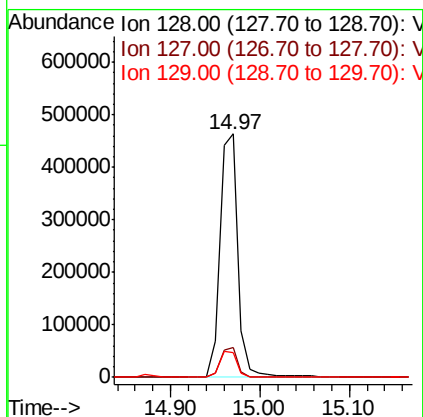
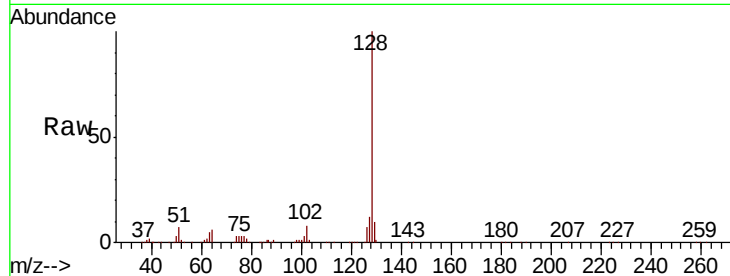
#95
Naphthalene
Concen: 19.928 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	656460		
127	12.5		9.9	14.9
129	10.2		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 20.374 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060216.D
Acq: 26 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	393886		
182	95.2		48.4	145.0
145	29.8		14.5	43.6

