

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
 Data File : VD060372.D
 Acq On : 14 Nov 2018 11:52
 Operator : JC/SY
 Sample : VD1114SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Quant Time: Nov 14 14:31:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1672562	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2300231	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1839056	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	965567	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	639393	53.39	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	6.30	113	923315	53.83	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	9.44	98	2581716	51.43	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.41	95	952591	52.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	334788	23.050	ug/l	95
3) Chloromethane	1.75	50	323543	20.422	ug/l	99
4) Vinyl Chloride	1.85	62	266175	20.572	ug/l	100
5) Bromomethane	2.15	94	44691	14.559	ug/l	99
6) Chloroethane	2.25	64	72028	16.778	ug/l	97
7) Trichlorofluoromethane	2.50	101	302297	19.817	ug/l	98
8) Diethyl Ether	2.82	74	53425	19.344	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.08	101	207873	20.719	ug/l	95
10) Methyl Iodide	3.23	142	233504	17.919	ug/l	100
11) Tert butyl alcohol	3.95	59	46464	94.483	ug/l #	89
12) 1,1-Dichloroethene	3.06	96	170532	20.896	ug/l	89
13) Acrolein	2.98	56	48360	83.224	ug/l	91
14) Allyl chloride	3.52	41	322936	20.681	ug/l	99
15) Acrylonitrile	4.07	53	289162	100.833	ug/l	97
16) Acetone	3.15	43	216720	104.326	ug/l	98
17) Carbon Disulfide	3.30	76	501252	19.029	ug/l	98
18) Methyl Acetate	3.54	43	81483	18.396	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	487600	19.953	ug/l	99
20) Methylene Chloride	3.70	84	470709	25.544	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	362465	20.003	ug/l	99
22) Diisopropyl ether	4.83	45	1201790	20.600	ug/l	93
23) Vinyl Acetate	4.78	43	3007616	103.609	ug/l	98
24) 1,1-Dichloroethane	4.73	63	614898	20.554	ug/l	99
25) 2-Butanone	5.60	43	450667	104.373	ug/l	96
26) 2,2-Dichloropropane	5.56	77	502702	21.614	ug/l	94
27) cis-1,2-Dichloroethene	5.57	96	384328	20.359	ug/l	93
28) Bromochloromethane	5.91	49	274710	20.811	ug/l	91
29) Tetrahydrofuran	5.93	42	229025	100.604	ug/l	98
30) Chloroform	6.08	83	626610	20.952	ug/l	100
31) Cyclohexane	6.35	56	559466	19.566	ug/l	95
32) 1,1,1-Trichloroethane	6.27	97	506048	20.087	ug/l	97
36) 1,1-Dichloropropene	6.51	75	484806	21.333	ug/l	100
37) Ethyl Acetate	5.68	43	213281	20.396	ug/l	96
38) Carbon Tetrachloride	6.48	117	428258	20.315	ug/l	99

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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	8.02	83	535206	20.476	ug/l	95
40) Benzene	6.77	78	1239749	21.372	ug/l	100
41) Methacrylonitrile	5.93	41	236851	19.789	ug/l #	93
42) 1,2-Dichloroethane	6.87	62	316091	20.818	ug/l	95
43) Isopropyl Acetate	8.33	43	250355	19.059	ug/l #	98
44) Trichloroethene	7.72	130	372887	21.205	ug/l	98
45) 1,2-Dichloropropane	8.08	63	304893	20.840	ug/l	99
46) Dibromomethane	8.20	93	177165	20.676	ug/l	93
47) Bromodichloromethane	8.47	83	427062	21.151	ug/l	98
48) Methyl methacrylate	8.23	41	157654	19.759	ug/l	96
49) 1,4-Dioxane	8.21	88	29010	420.218	ug/l #	86
51) 4-Methyl-2-Pentanone	9.32	43	853536	99.835	ug/l	100
52) Toluene	9.53	92	776971	20.968	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	353896	20.744	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	462748	21.148	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	220023	20.486	ug/l	97
56) Ethyl methacrylate	10.01	69	196836	19.933	ug/l	98
57) 1,3-Dichloropropane	10.36	76	347397	21.228	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	633423	106.087	ug/l	97
59) 2-Hexanone	10.47	43	635016	104.211	ug/l	99
60) Dibromochloromethane	10.62	129	272973	20.909	ug/l	98
61) 1,2-Dibromoethane	10.74	107	217166	20.181	ug/l	98
64) Tetrachloroethene	10.24	164	341829	20.820	ug/l	96
65) Chlorobenzene	11.30	112	835970	20.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	284114	21.792	ug/l	95
67) Ethyl Benzene	11.42	91	1451261	21.291	ug/l	100
68) m/p-Xylenes	11.55	106	1084304	43.123	ug/l	98
69) o-Xylene	11.92	106	516793	21.274	ug/l	98
70) Styrene	11.94	104	826086	21.042	ug/l	94
71) Bromoform	12.11	173	173982	19.859	ug/l	95
73) Isopropylbenzene	12.26	105	1380829	19.628	ug/l	99
74) N-amyl acetate	12.12	43	340472	18.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	230424	20.028	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	227516	19.698	ug/l	97
77) Bromobenzene	12.53	156	385596	20.635	ug/l	95
78) n-propylbenzene	12.63	91	1774486	20.209	ug/l	100
79) 2-Chlorotoluene	12.70	91	965758	20.082	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	1129361	20.657	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	63638	19.352	ug/l	97
82) 4-Chlorotoluene	12.79	91	1109046	20.529	ug/l	97
83) tert-Butylbenzene	13.03	119	1255580	20.686	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1106422	20.264	ug/l	98
85) sec-Butylbenzene	13.21	105	1540996	20.693	ug/l	98
86) p-Isopropyltoluene	13.34	119	1217486	20.302	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	674397	20.285	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	678797	20.906	ug/l	94
89) n-Butylbenzene	13.64	91	1292894	19.553	ug/l	99
90) Hexachloroethane	13.85	117	288468	20.286	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	581635	21.300	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.21	75	25586	18.423	ug/l	56

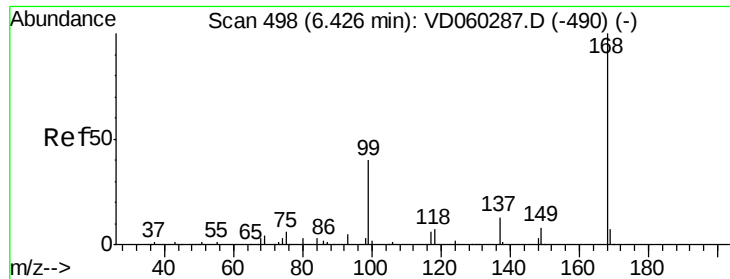
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111418\
Data File : VD060372.D
Acq On : 14 Nov 2018 11:52
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Sample : VD1114SBS01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	435338	20.107	ug/l	99
94) Hexachlorobutadiene	14.87	225	305952	18.893	ug/l	99
95) Naphthalene	14.96	128	499722	18.902	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	336590	19.400	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

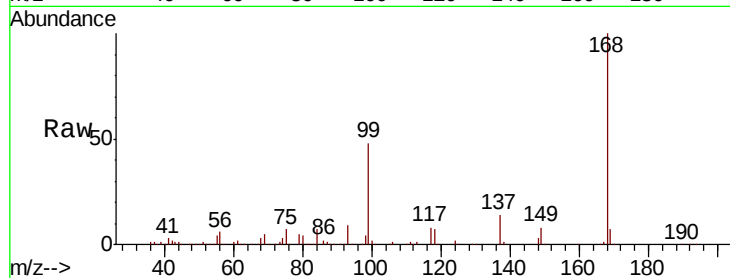
VD1114SBS01

Tot Ion:168 Resp: 1672562

Ion Ratio Lower Upper

168 100

99 47.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

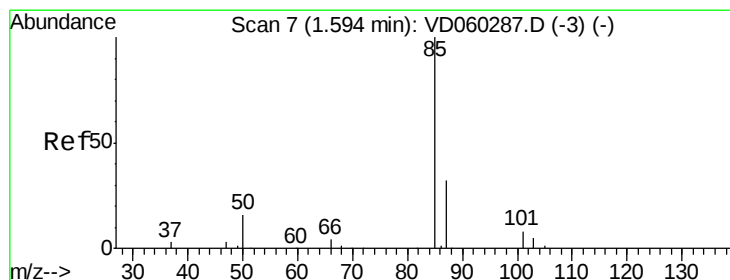
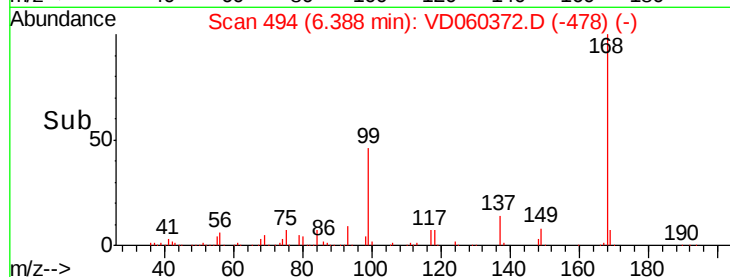
600000

400000

200000

0

Time--> 6.20 6.40 6.60



#2

Dichlorodifluoromethane

Concen: 23.050 ug/l

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060372.D

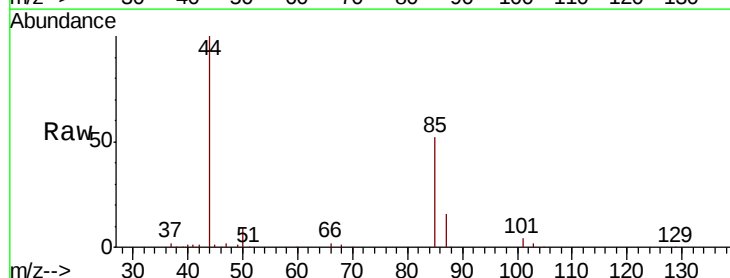
Acq: 14 Nov 2018 11:52

Tgt Ion: 85 Resp: 334788

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

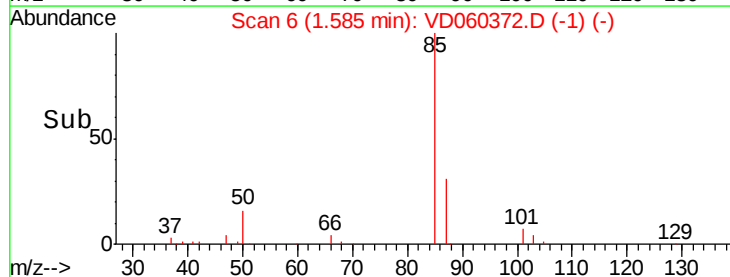
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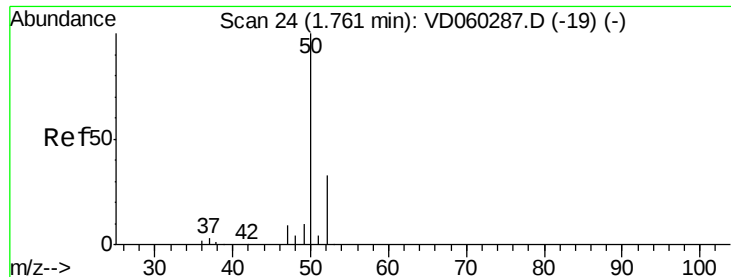
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 20.422 ug/l

RT: 1.75 min Scan# 23

Delta R.T. -0.01 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

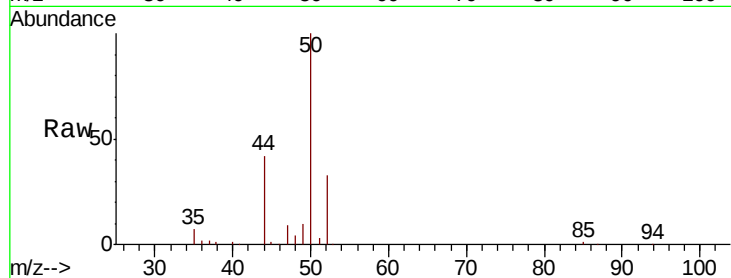
VD1114SBS01

Tot Ion: 50 Resp: 323543

Ion Ratio Lower Upper

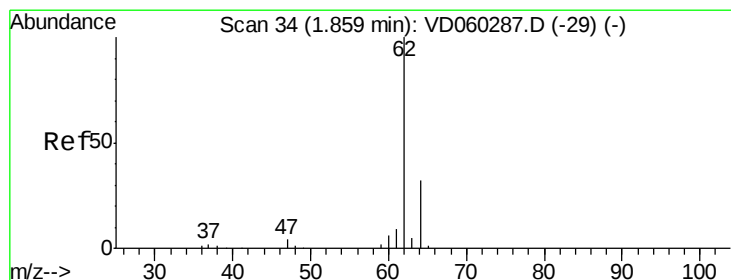
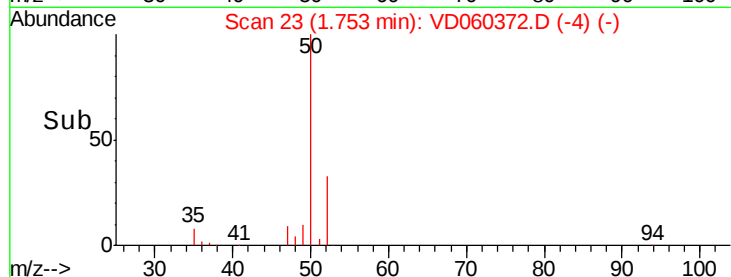
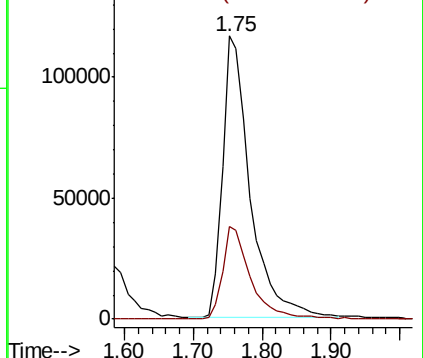
50 100

52 32.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.572 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060372.D

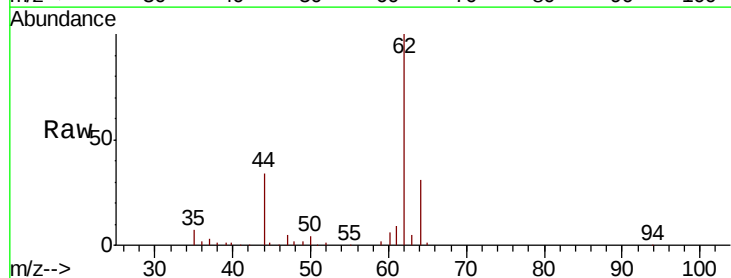
Acq: 14 Nov 2018 11:52

Tgt Ion: 62 Resp: 266175

Ion Ratio Lower Upper

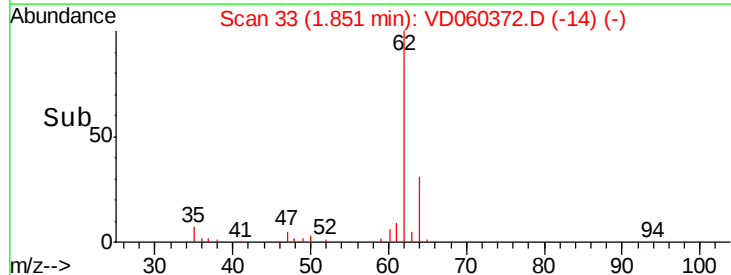
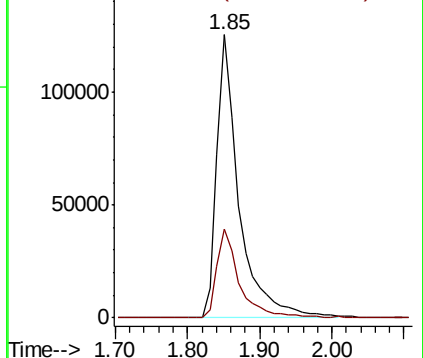
62 100

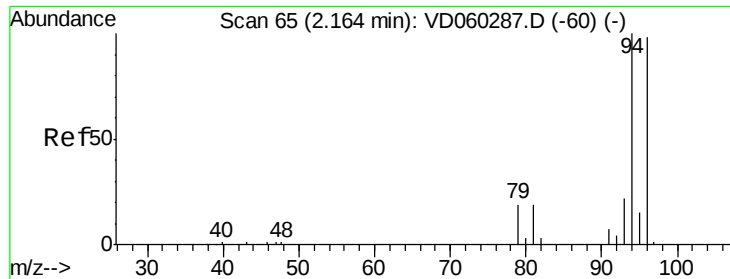
64 31.2 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

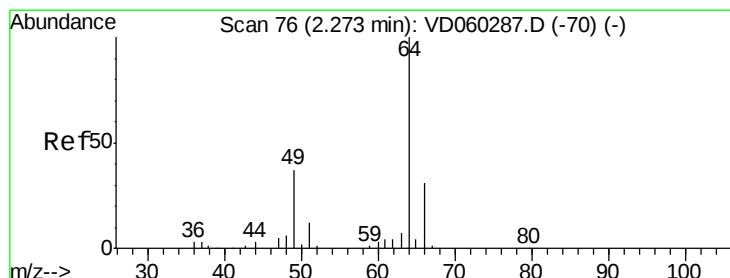
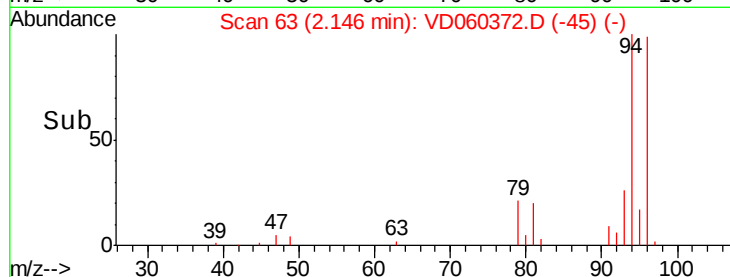
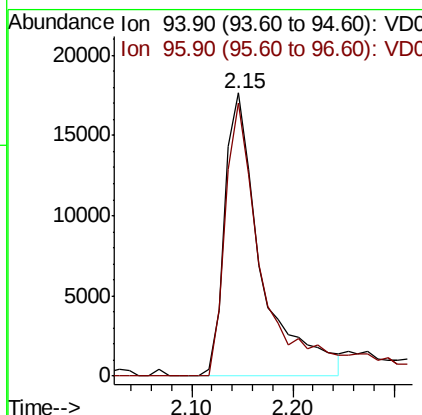
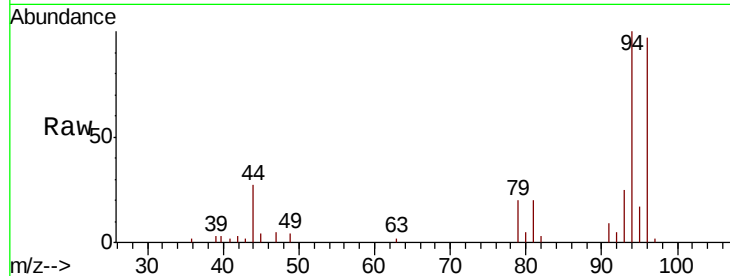




#5
Bromomethane
Concen: 14.559 ug/l
RT: 2.15 min Scan# 63
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

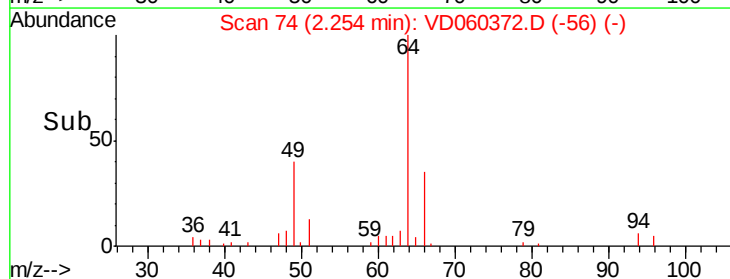
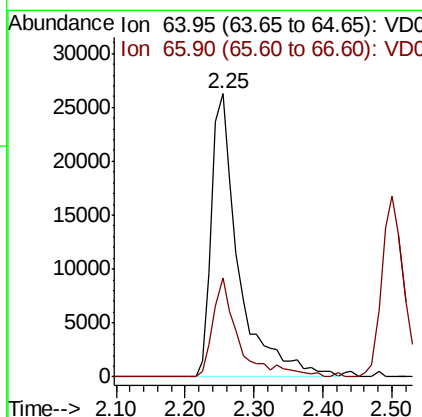
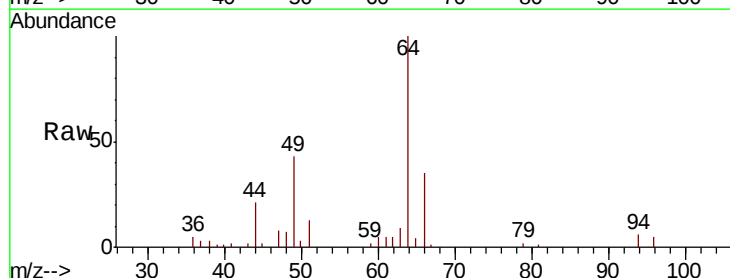
Instrument :
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VD1114SBS01

Tot Ion: 94 Resp: 44691
Ion Ratio Lower Upper
94 100
96 96.6 76.6 114.8



#6
Chloroethane
Concen: 16.778 ug/l
RT: 2.25 min Scan# 74
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 64 Resp: 72028
Ion Ratio Lower Upper
64 100
66 35.0 26.6 40.0



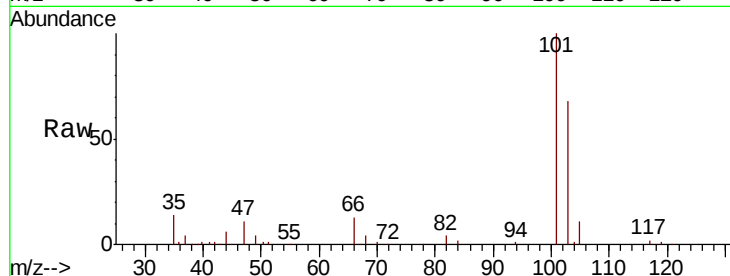


#7

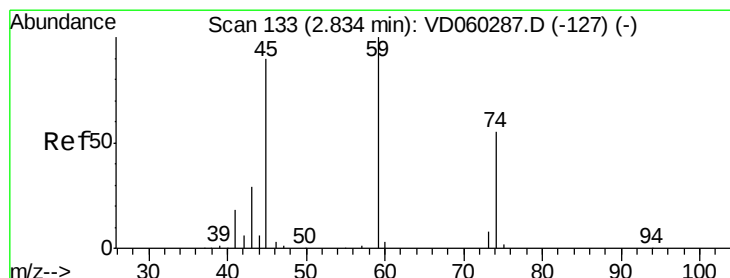
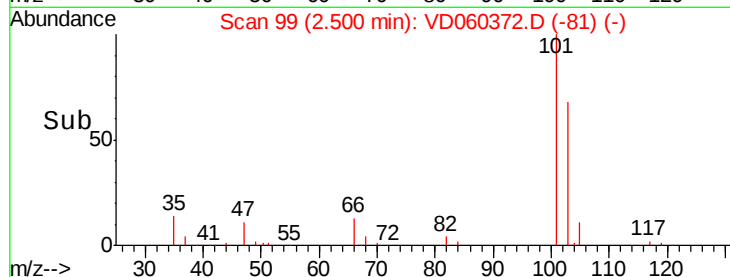
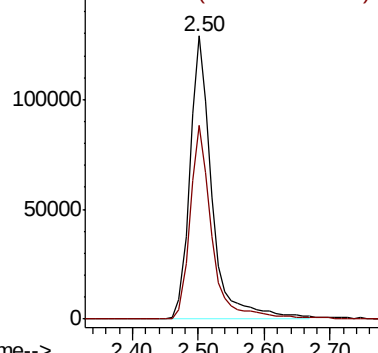
Trichlorofluoromethane
 Concen: 19.817 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion:101 Resp: 302297
 Ion Ratio Lower Upper
 101 100
 103 68.2 53.6 80.4



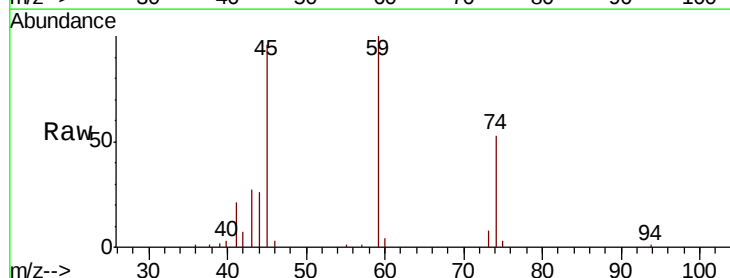
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



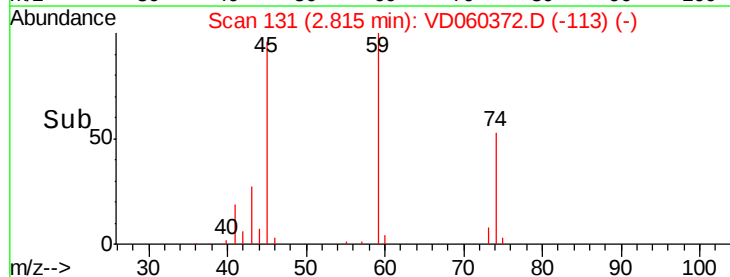
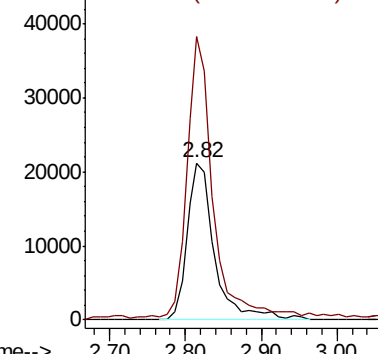
#8

Diethyl Ether
 Concen: 19.344 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 74 Resp: 53425
 Ion Ratio Lower Upper
 74 100
 45 180.1 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.719 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

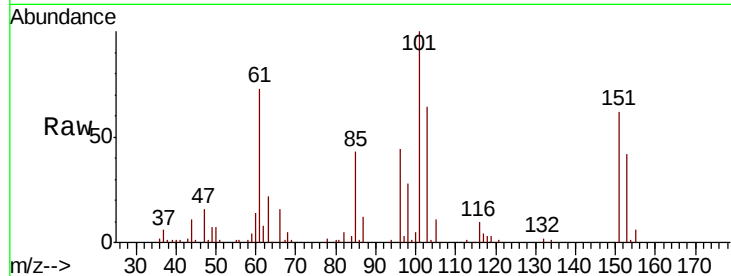
Tot Ion:101 Resp: 207873

Ion Ratio Lower Upper

101 100

85 43.2 31.4 47.0

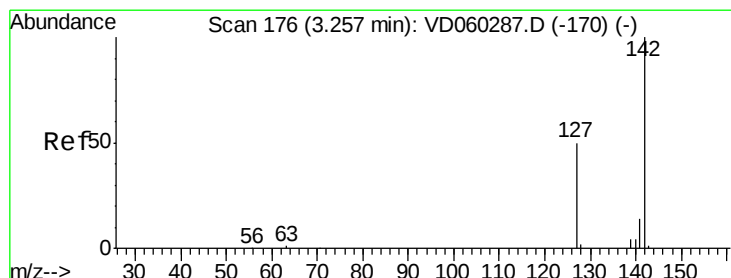
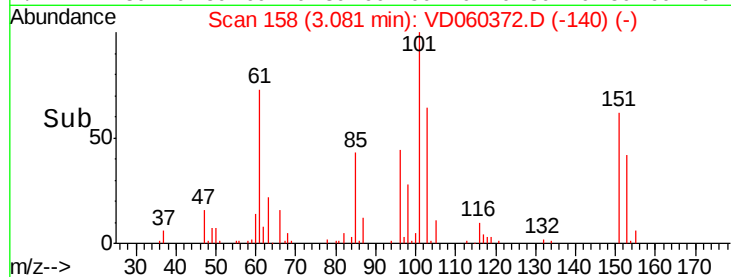
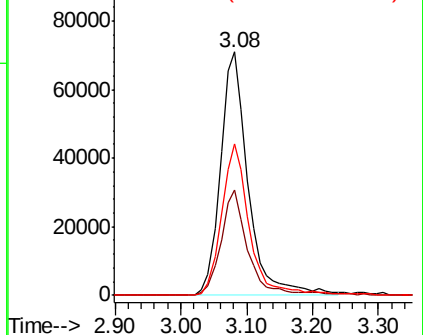
151 62.0 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.919 ug/l

RT: 3.23 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

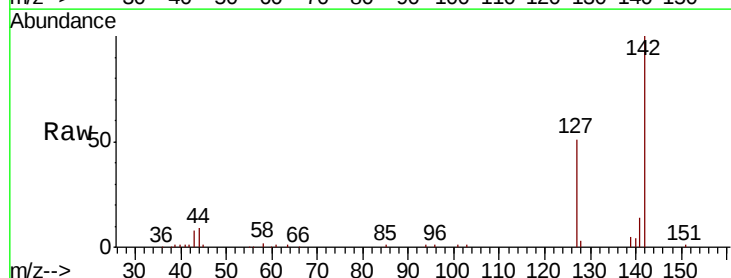
Tgt Ion:142 Resp: 233504

Ion Ratio Lower Upper

142 100

127 51.4 41.0 61.6

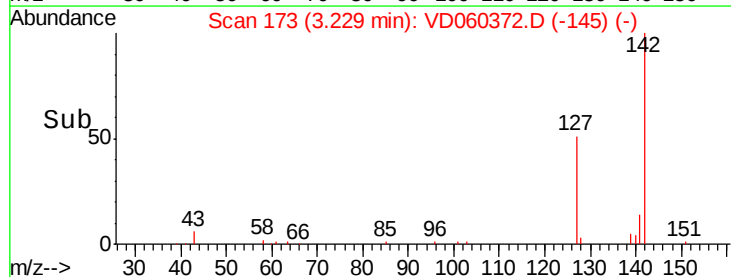
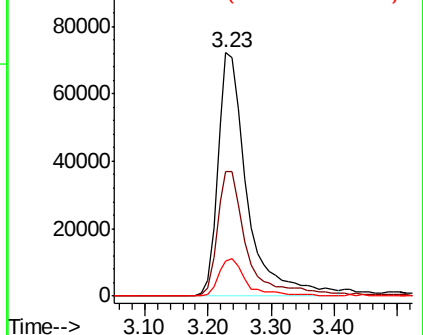
141 14.3 11.9 17.9

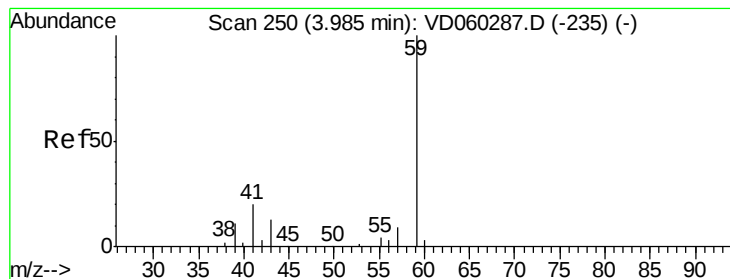


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 94.483 ug/l

RT: 3.95 min Scan# 246

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

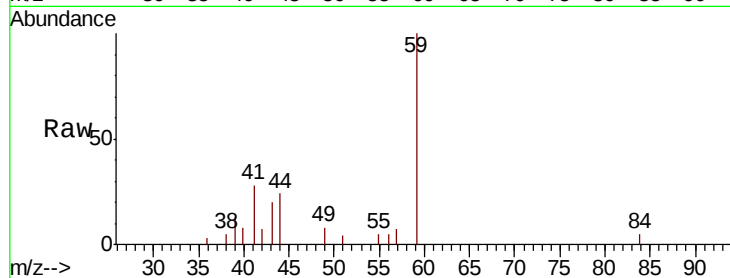
VD1114SBS01

Tot Ion: 59 Resp: 46464

Ion Ratio Lower Upper

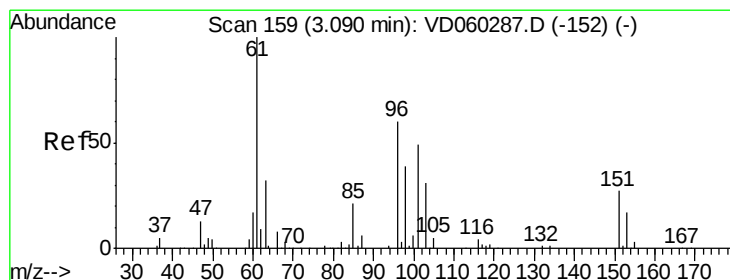
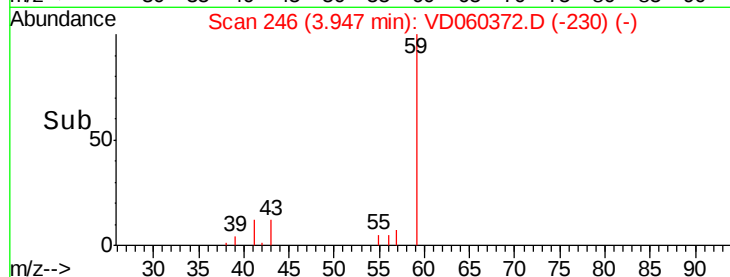
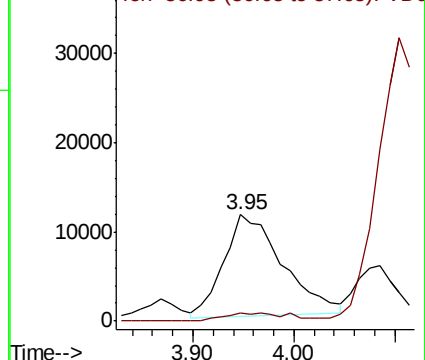
59 100

57 7.4 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.896 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

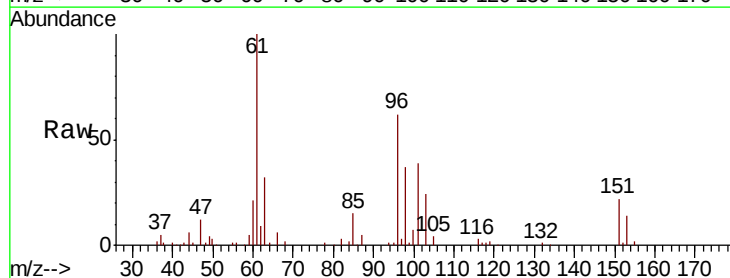
Tgt Ion: 96 Resp: 170532

Ion Ratio Lower Upper

96 100

61 160.9 142.2 213.4

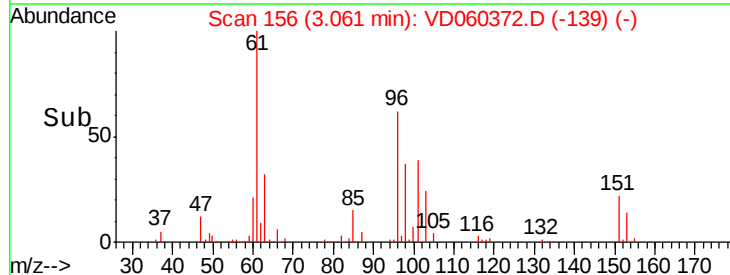
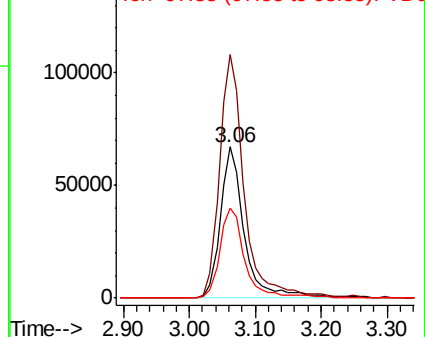
98 59.1 52.6 79.0

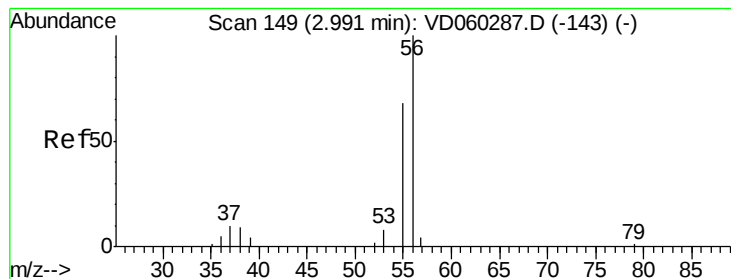


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 83.224 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

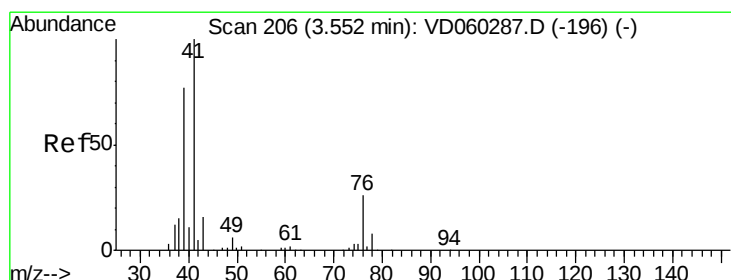
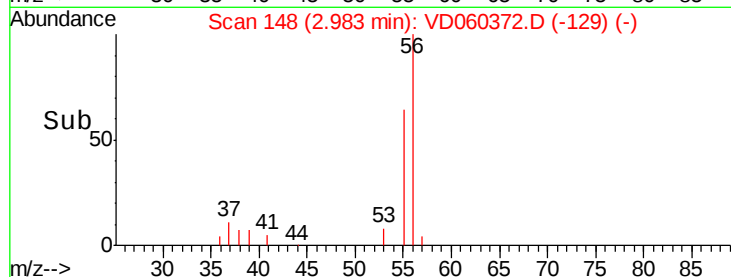
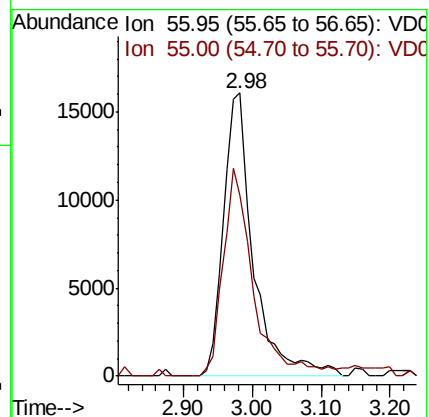
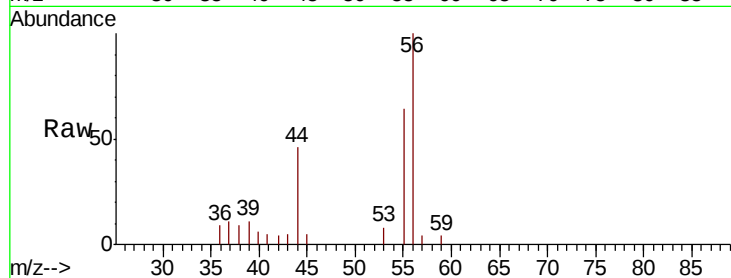
VD1114SBS01

Tot Ion: 56 Resp: 48360

Ion Ratio Lower Upper

56 100

55 63.8 57.0 85.6



#14

Allyl chloride

Concen: 20.681 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

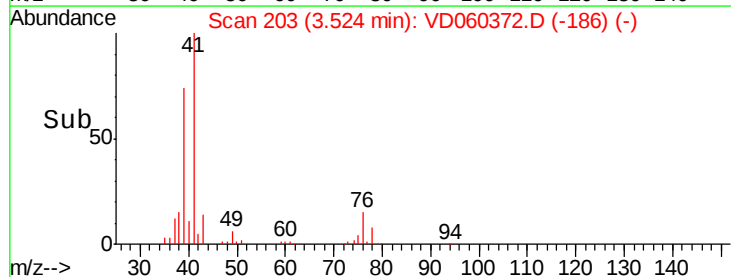
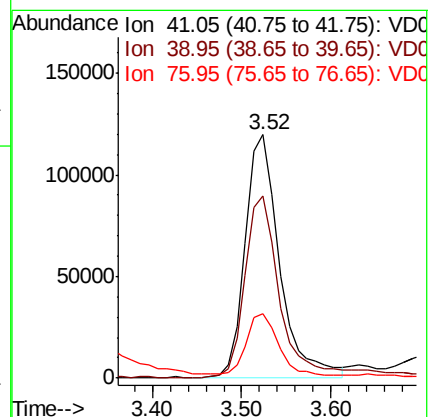
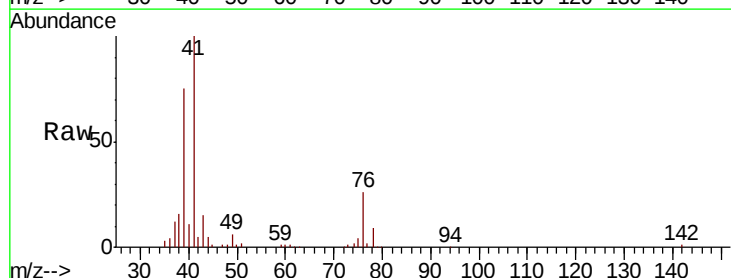
Tgt Ion: 41 Resp: 322936

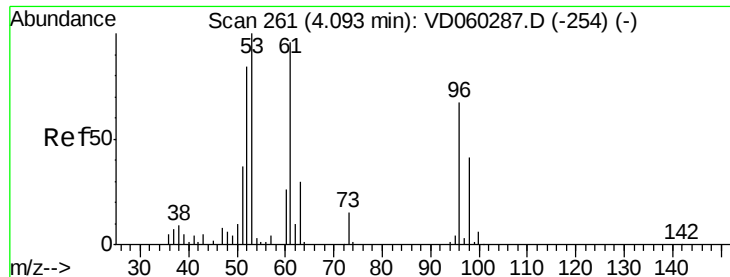
Ion Ratio Lower Upper

41 100

39 74.6 60.4 90.6

76 26.3 21.8 32.8





#15

Acrylonitrile

Concen: 100.833 ug/l

RT: 4.07 min Scan# 258

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

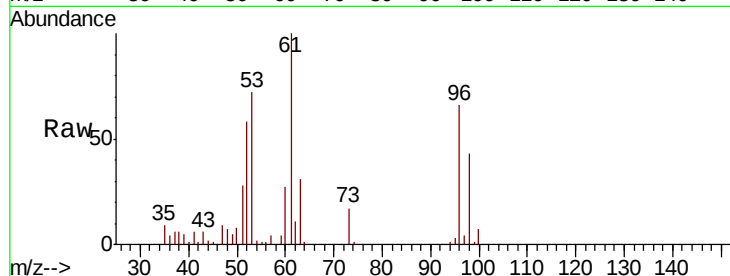
Tot Ion: 53 Resp: 289162

Ion Ratio Lower Upper

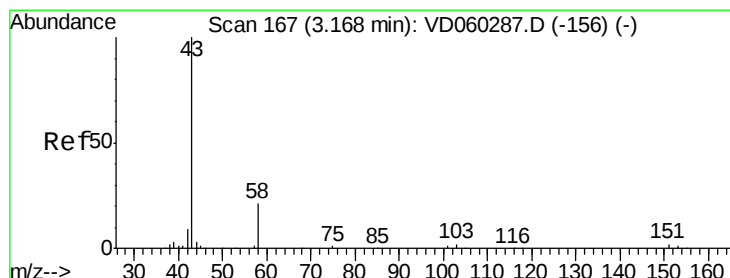
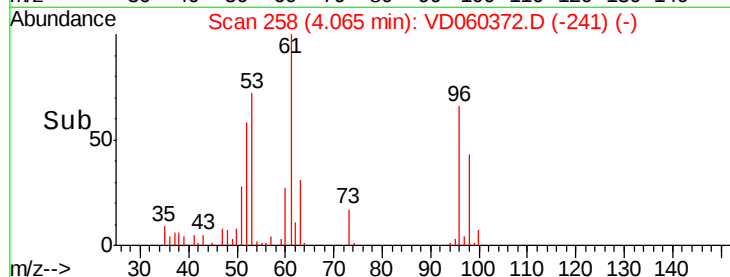
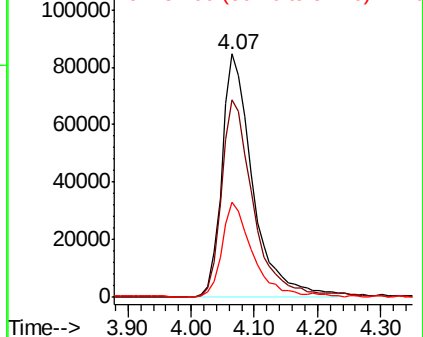
53 100

52 81.3 67.0 100.4

51 39.1 29.9 44.9



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: 104.326 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060372.D

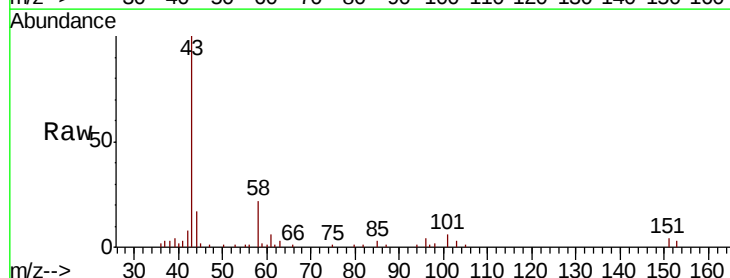
Acq: 14 Nov 2018 11:52

Tgt Ion: 43 Resp: 216720

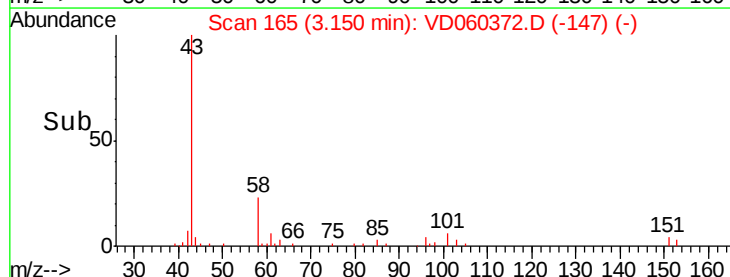
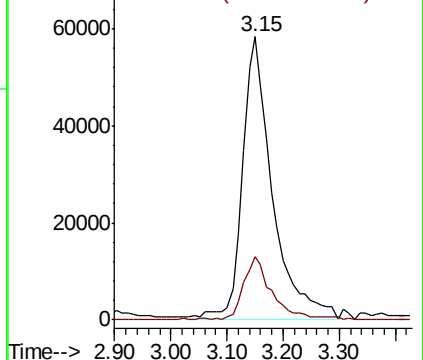
Ion Ratio Lower Upper

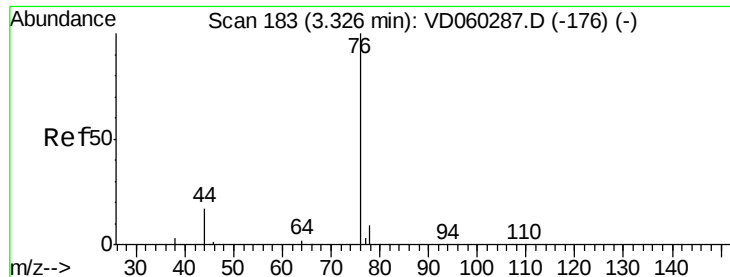
43 100

58 22.3 16.9 25.3



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

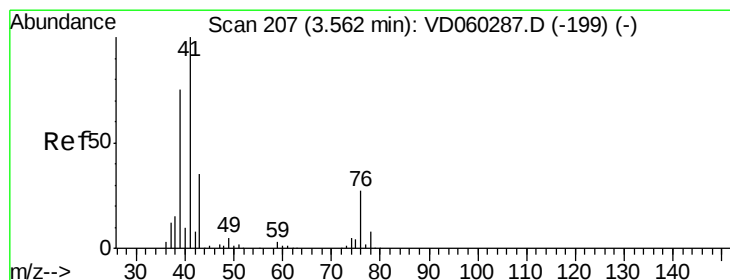
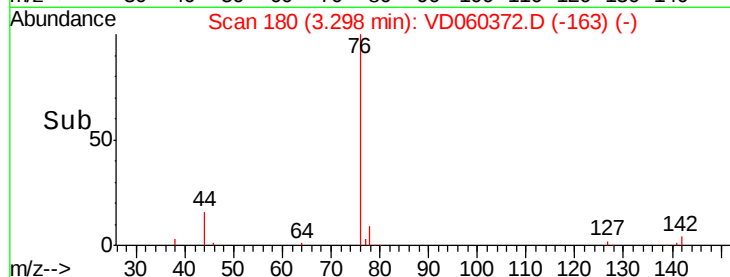
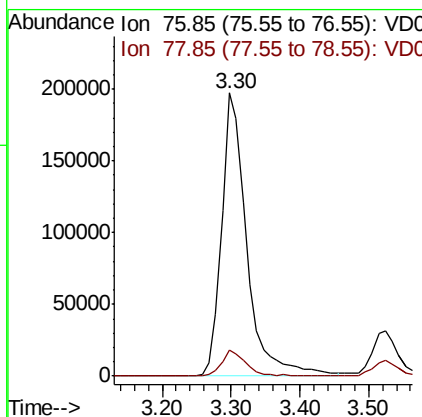
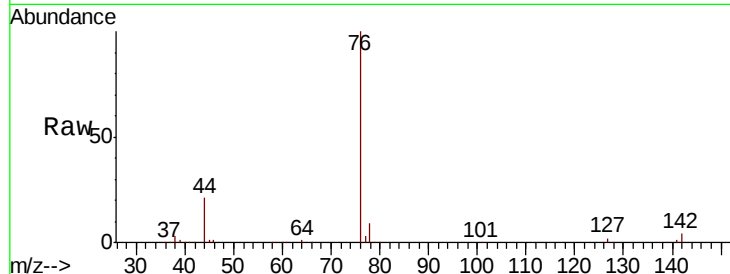




#17
Carbon Disulfide
Concen: 19.029 ug/l
RT: 3.30 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

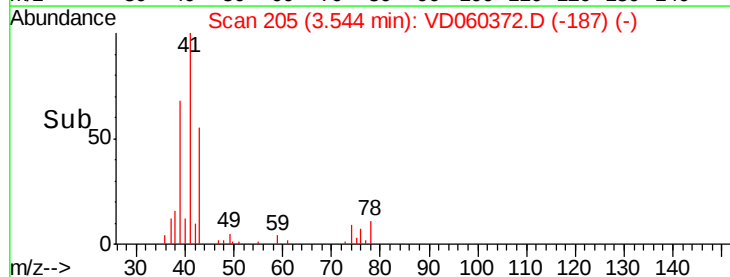
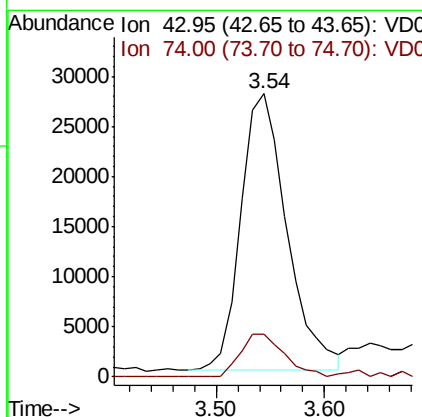
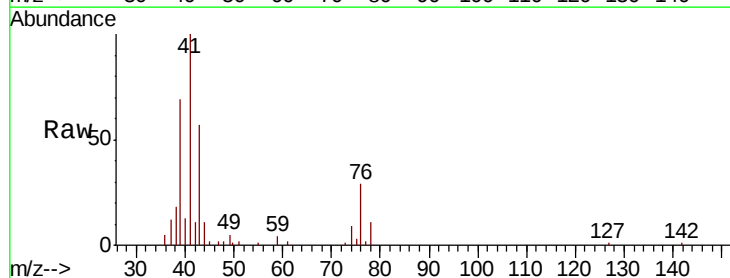
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

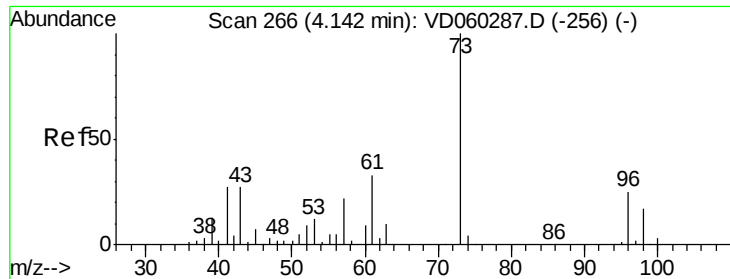
Tot Ion: 76 Resp: 501252
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4



#18
Methyl Acetate
Concen: 18.396 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 43 Resp: 81483
Ion Ratio Lower Upper
43 100
74 15.1 12.4 18.6

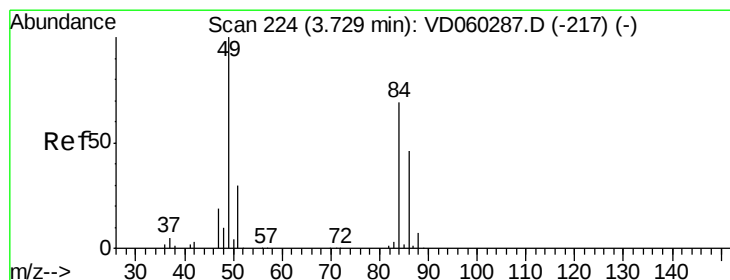
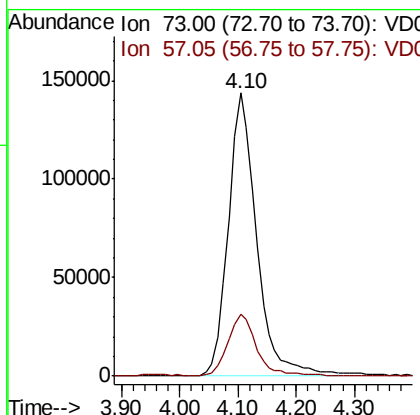
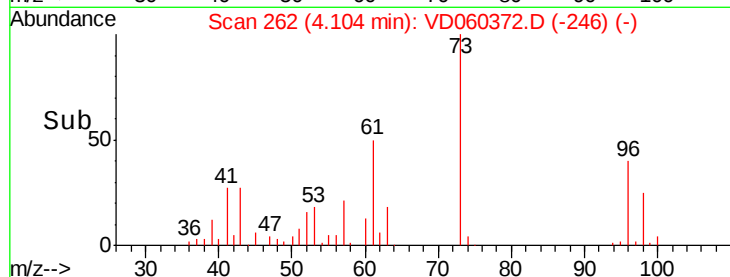
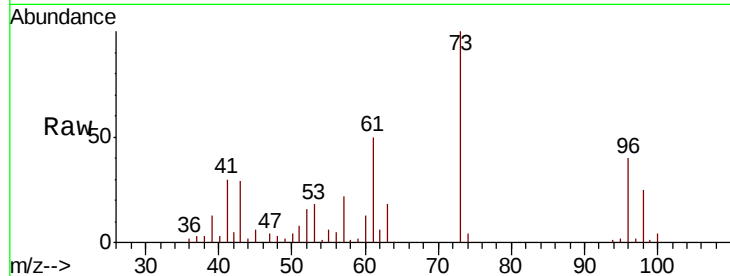




#19
Methyl tert-butyl Ether
Concen: 19.953 ug/l
RT: 4.10 min Scan# 262
Delta R.T. -0.04 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

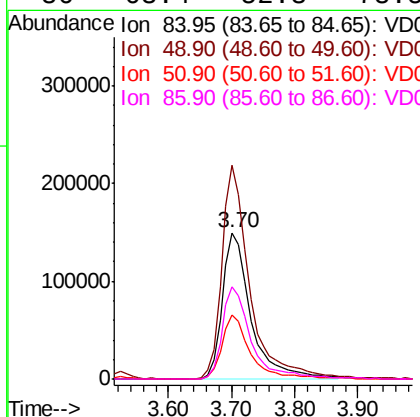
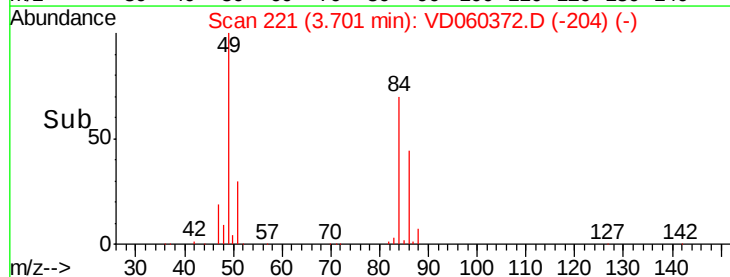
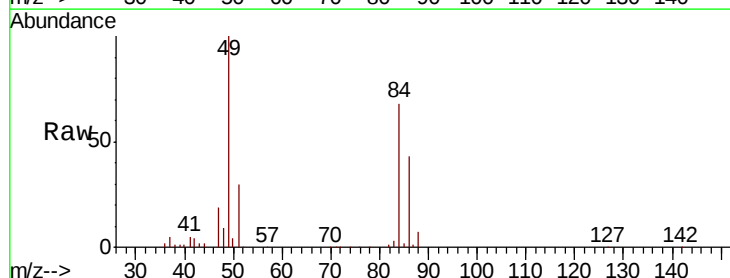
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

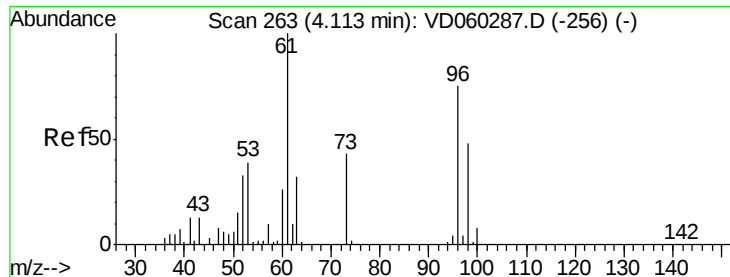
Tot Ion: 73 Resp: 487600
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 25.544 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 84 Resp: 470709
Ion Ratio Lower Upper
84 100
49 146.2 115.6 173.4
51 43.9 35.6 53.4
86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.003 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

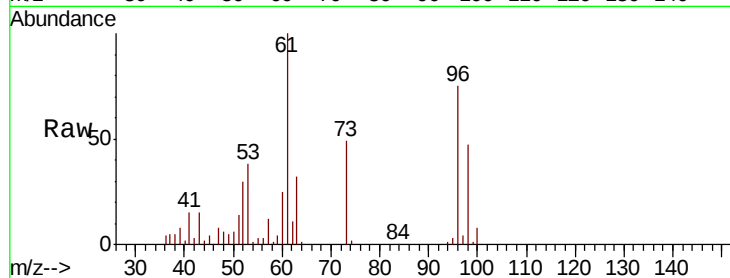
Tot Ion: 96 Resp: 362465

Ion Ratio Lower Upper

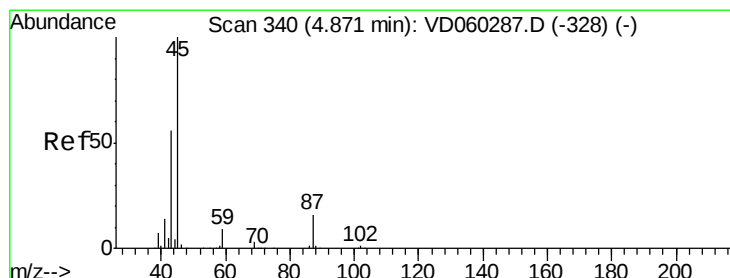
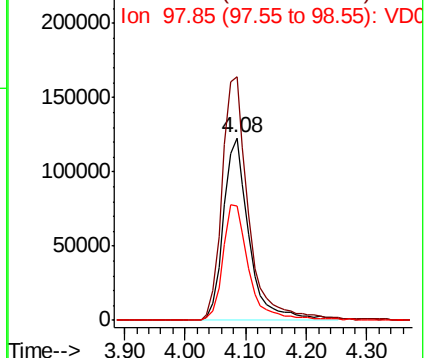
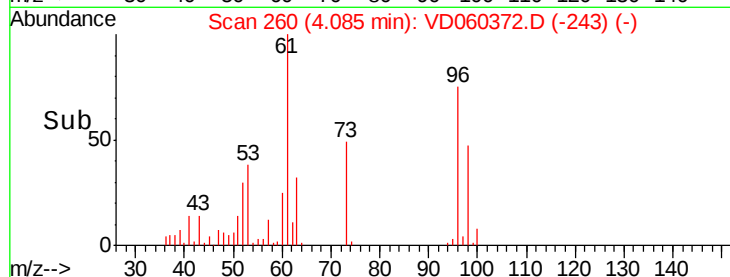
96 100

61 133.5 105.8 158.6

98 62.4 50.8 76.2



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



#22

Diisopropyl ether

Concen: 20.600 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Tgt Ion: 45 Resp: 1201790

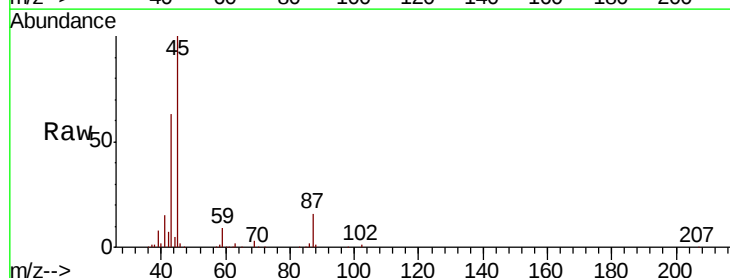
Ion Ratio Lower Upper

45 100

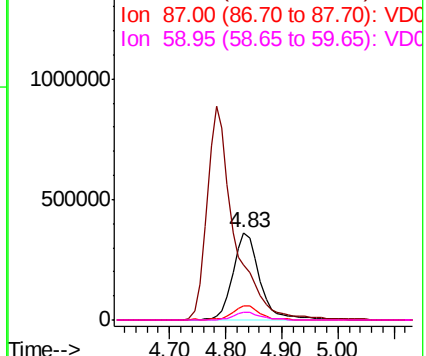
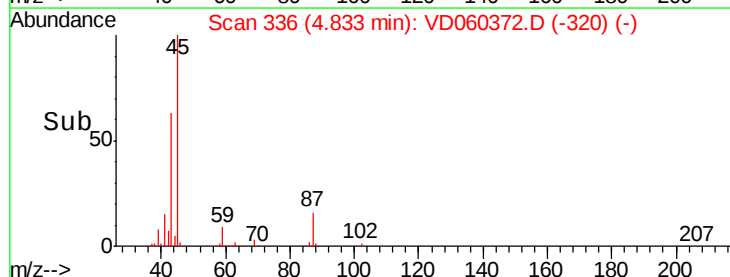
43 62.6 44.9 67.3

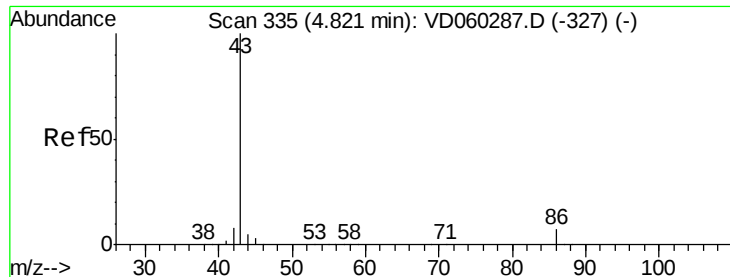
87 16.5 13.9 20.9

59 8.6 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

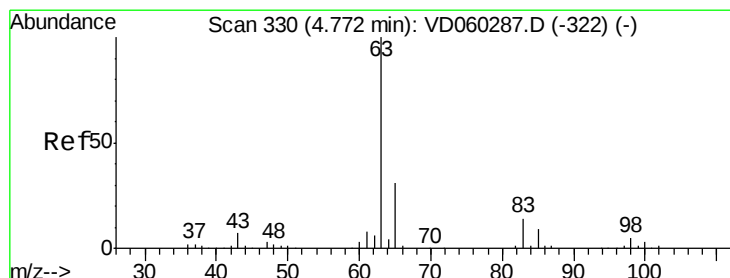
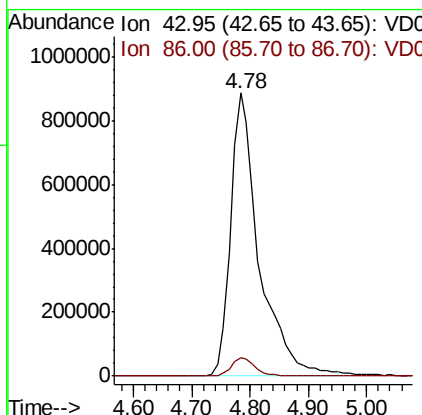
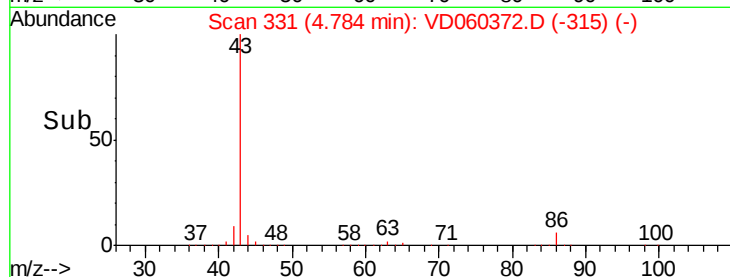
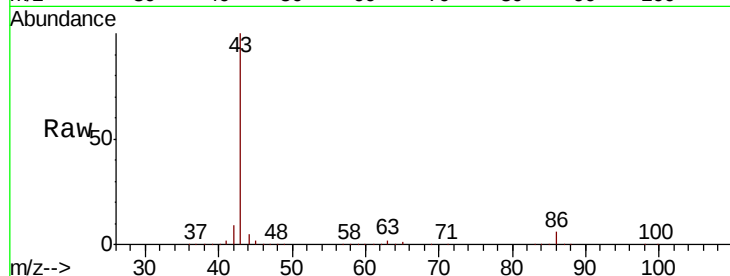




#23
 Vinyl Acetate
 Concen: 103.609 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

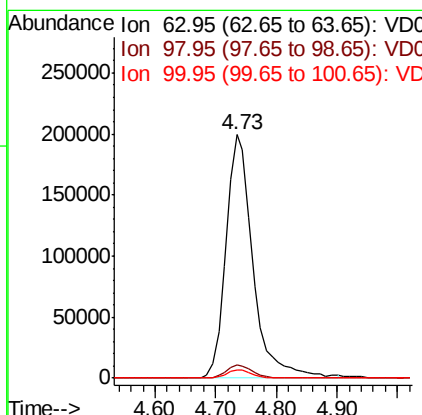
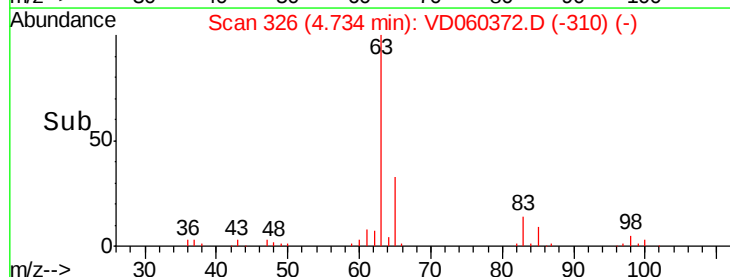
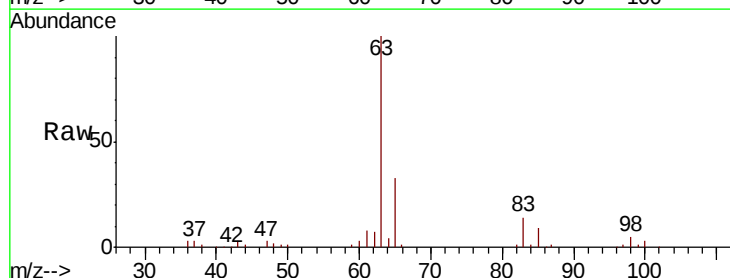
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 43 Resp: 3007616
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.554 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 63 Resp: 614898
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 104.373 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

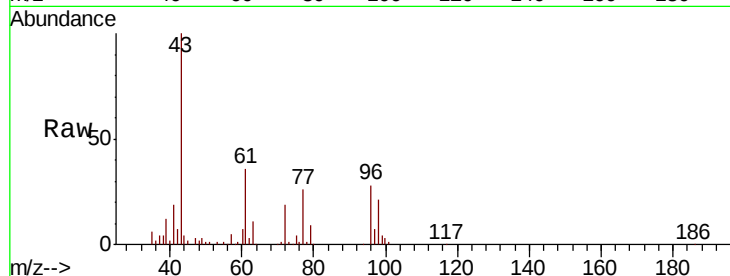
VD1114SBS01

Tot Ion: 43 Resp: 450667

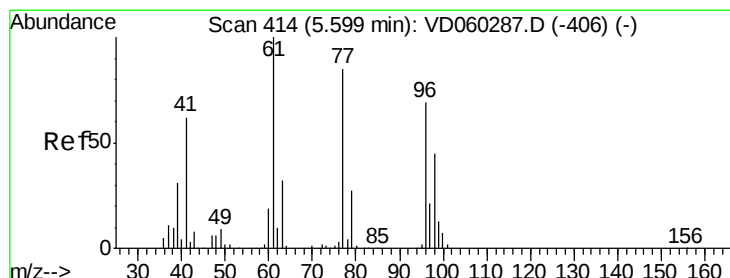
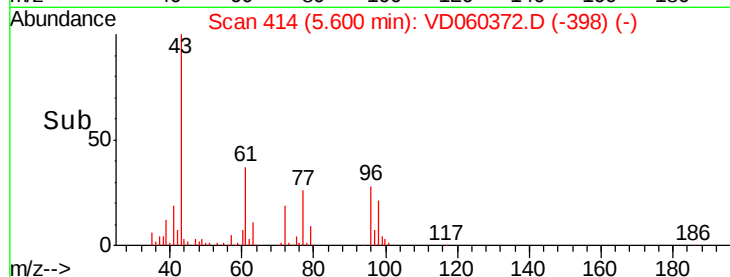
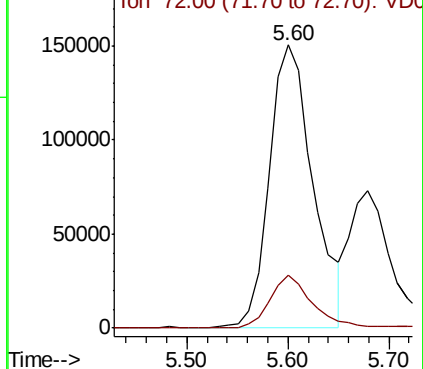
Ion Ratio Lower Upper

43 100

72 18.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 21.614 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD060372.D

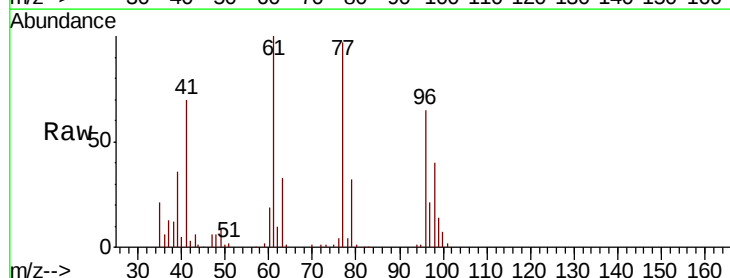
Acq: 14 Nov 2018 11:52

Tgt Ion: 77 Resp: 502702

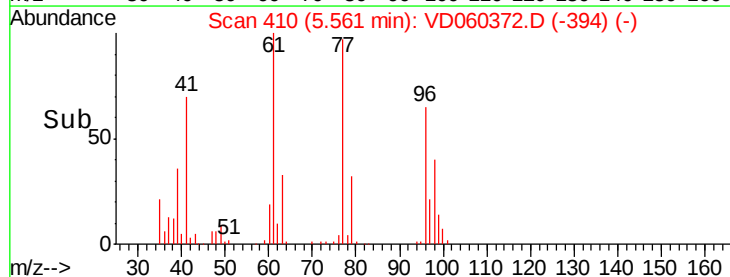
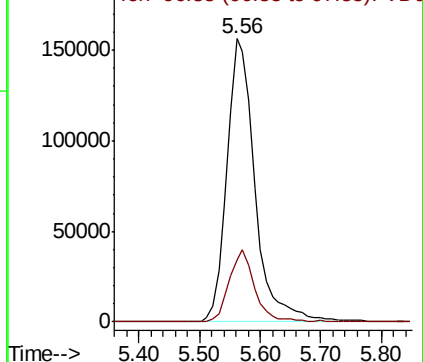
Ion Ratio Lower Upper

77 100

97 22.0 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC



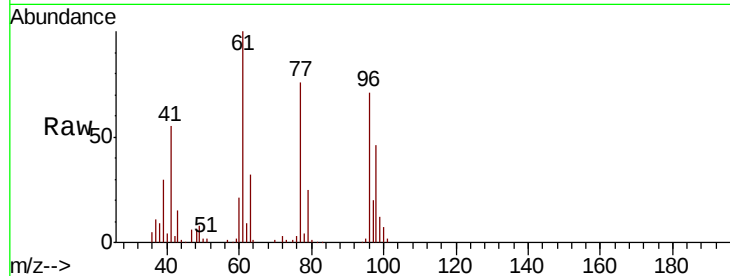


#27

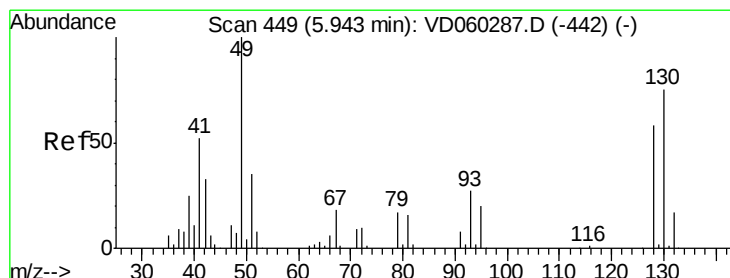
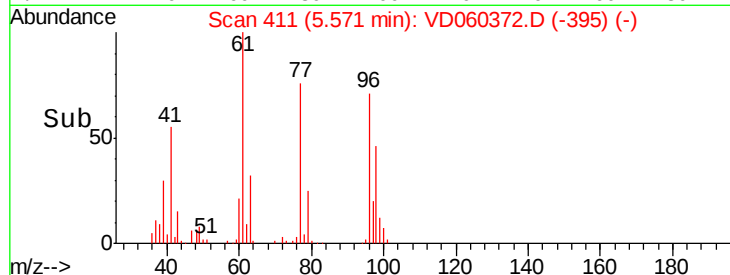
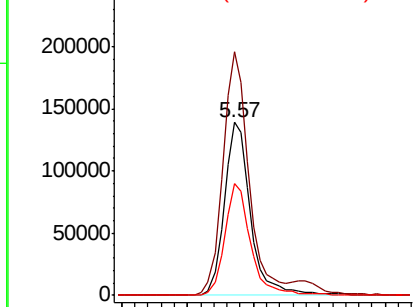
cis-1,2-Dichloroethene
 Concen: 20.359 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	259.0
98	64.9	0.0	128.8



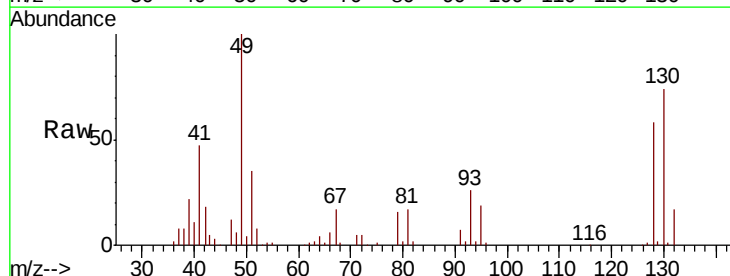
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



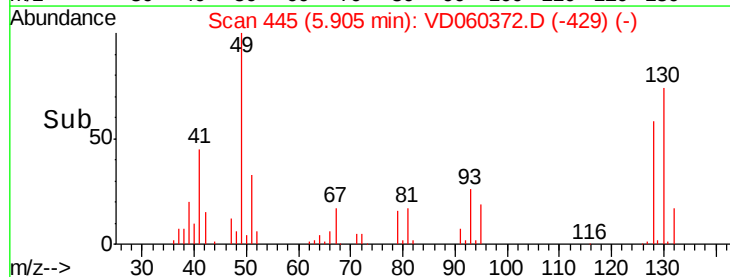
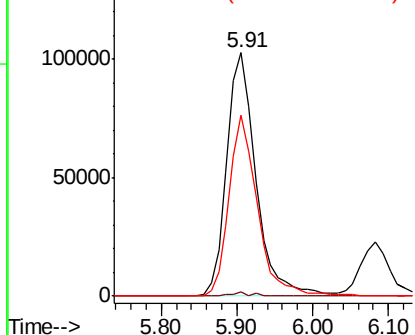
#28

Bromochloromethane
 Concen: 20.811 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.8
130	74.5	53.6	80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

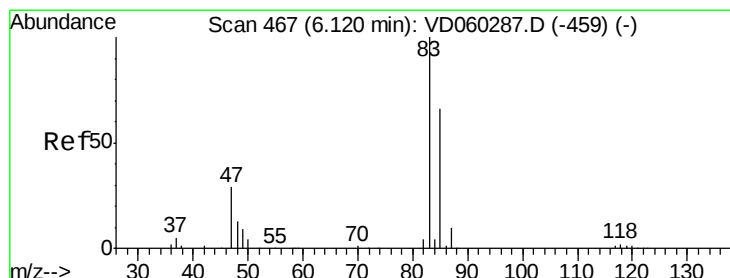
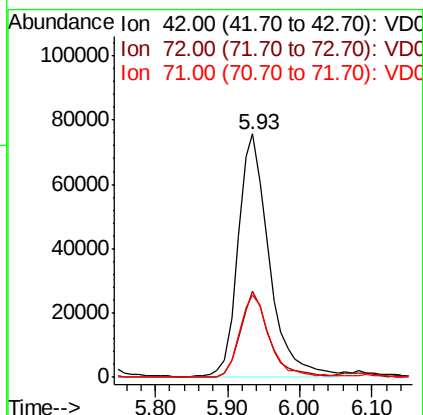
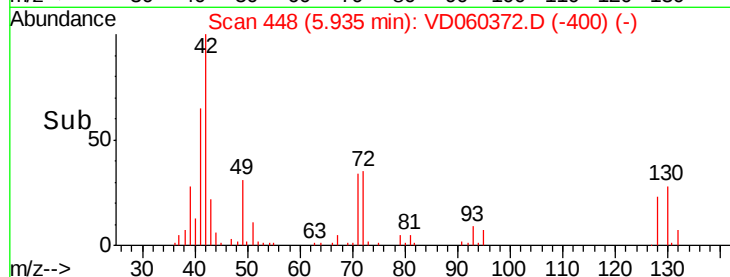
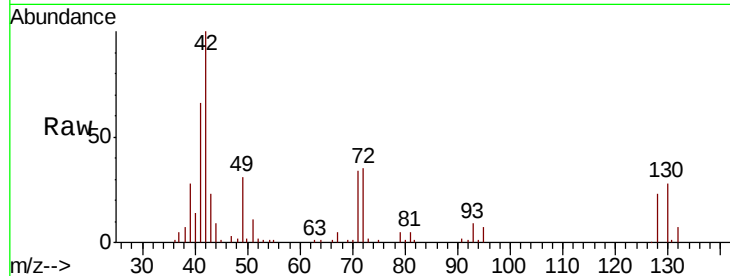




#29
Tetrahydrofuran
Concen: 100.604 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

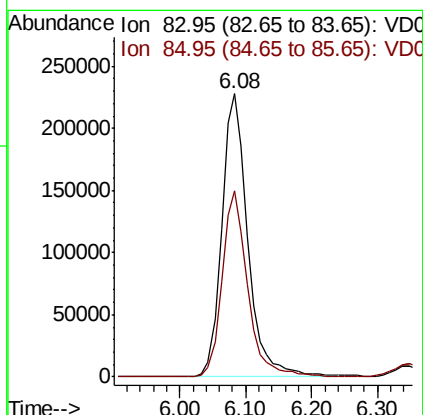
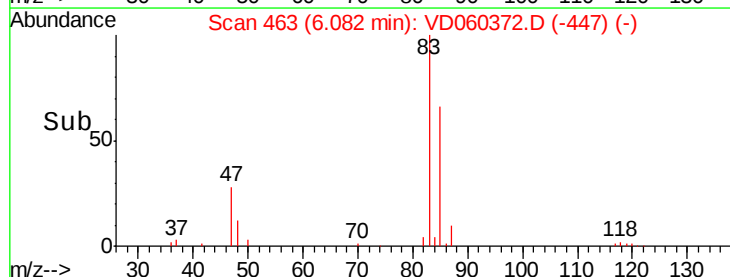
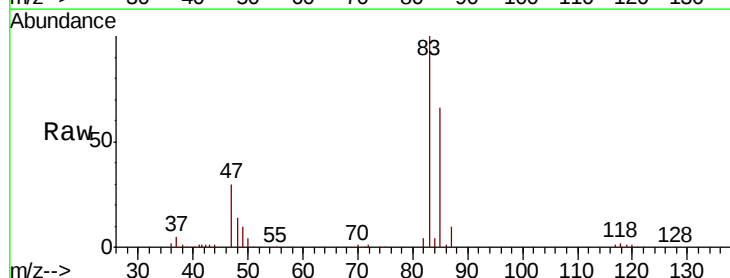
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

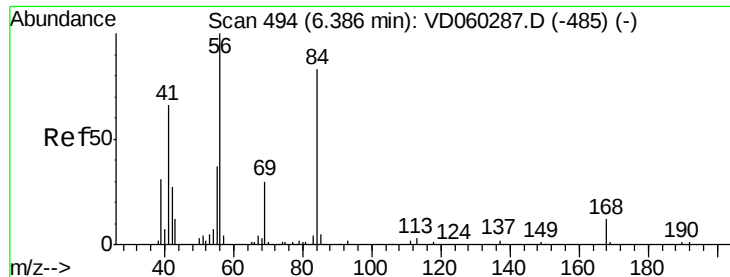
Tot Ion: 42 Resp: 229025
Ion Ratio Lower Upper
42 100
72 32.6 27.6 41.4
71 32.8 26.5 39.7



#30
Chloroform
Concen: 20.952 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 83 Resp: 626610
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7

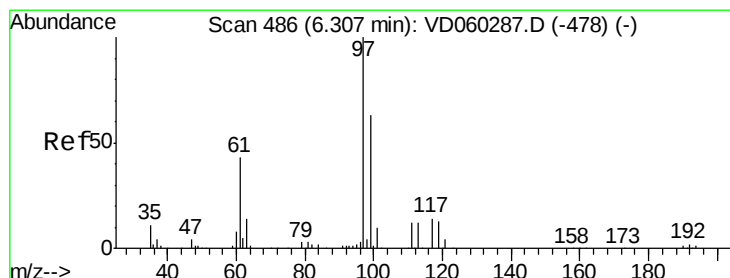
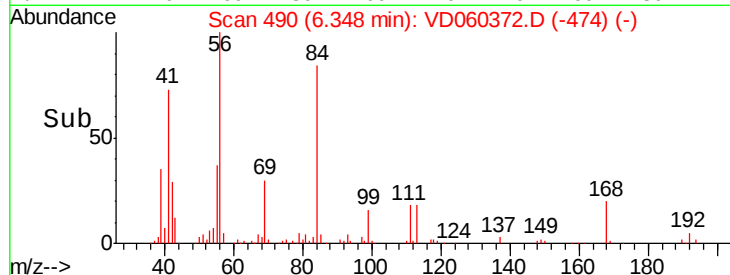
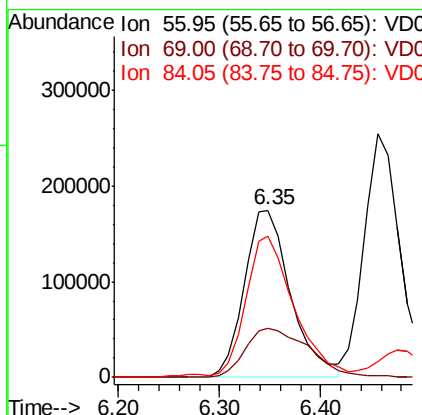
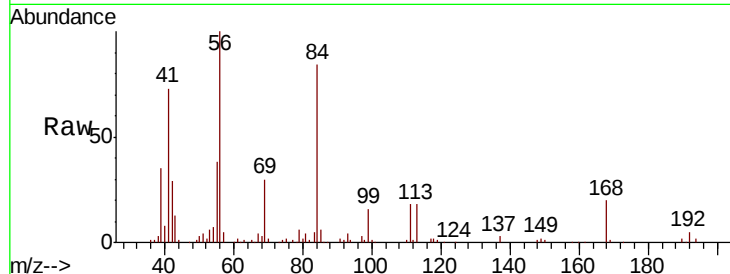




#31
Cyclohexane
Concen: 19.566 ug/l
RT: 6.35 min Scan# 490
Delta R.T. -0.04 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

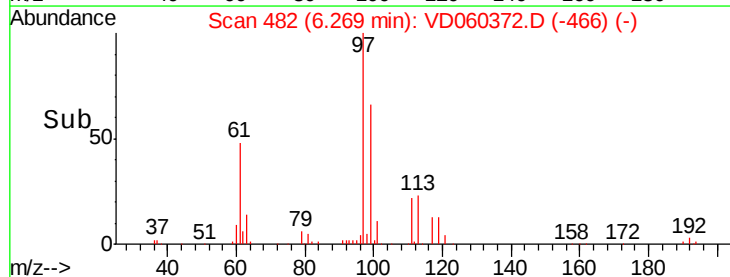
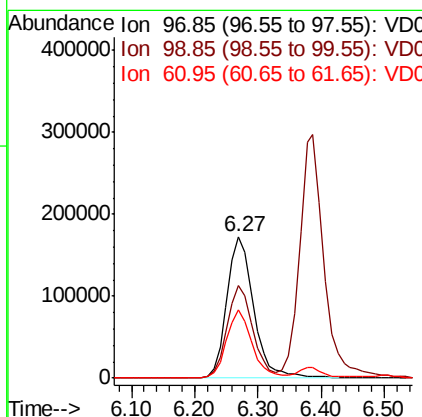
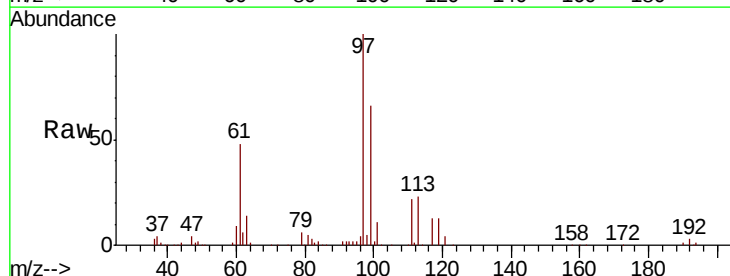
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

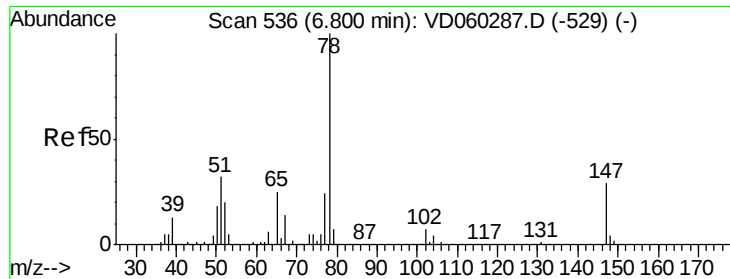
Tot Ion: 56 Resp: 559466
Ion Ratio Lower Upper
56 100
69 29.5 22.2 33.2
84 84.0 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 20.087 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 97 Resp: 506048
Ion Ratio Lower Upper
97 100
99 65.6 51.5 77.3
61 48.4 35.8 53.8

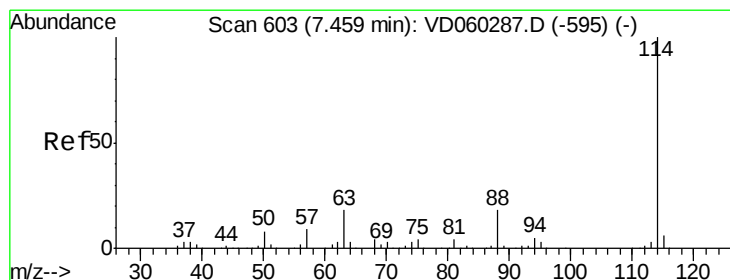
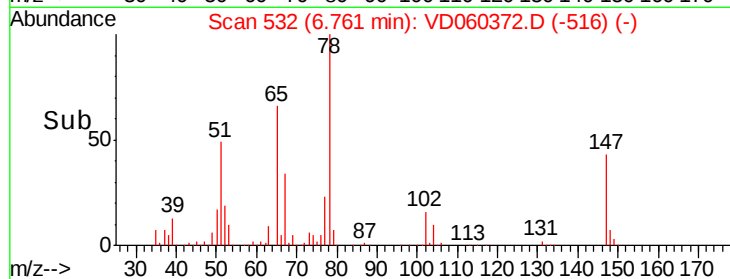
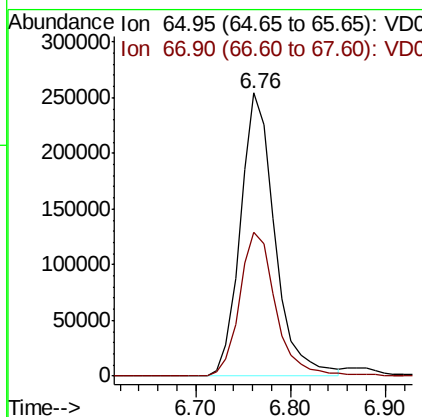
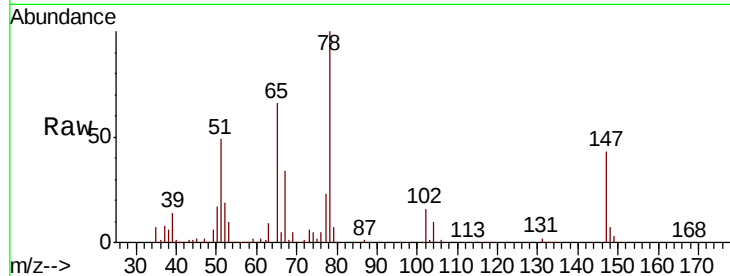




#33
 1,2-Dichloroethane-d4
 Concen: 20.087 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

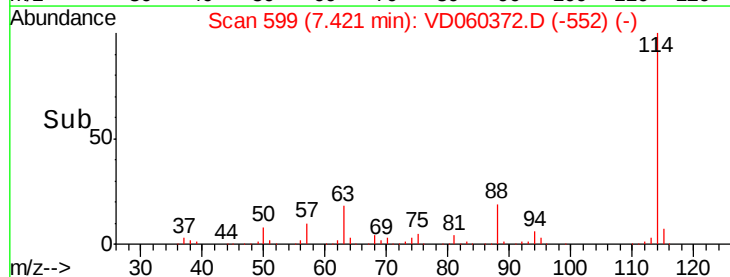
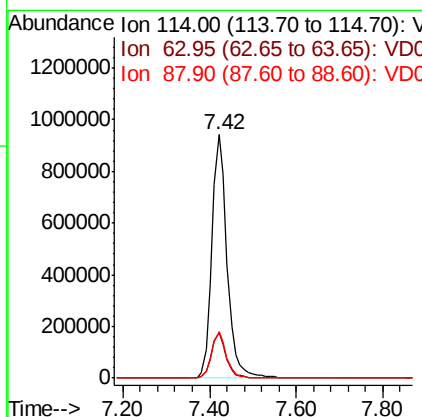
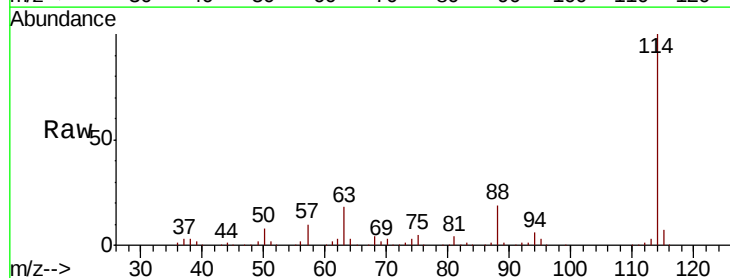
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

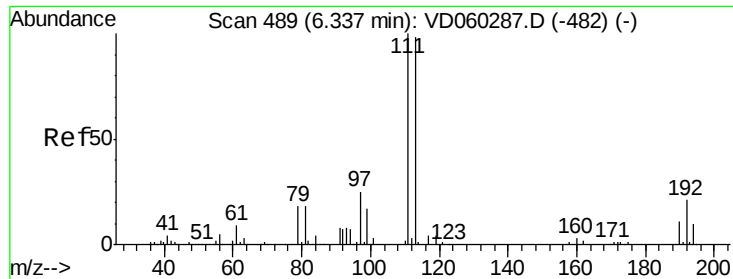
Tot Ion: 65 Resp: 639393
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 114 Resp: 2300231
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.0
 88 18.9 0.0 35.4

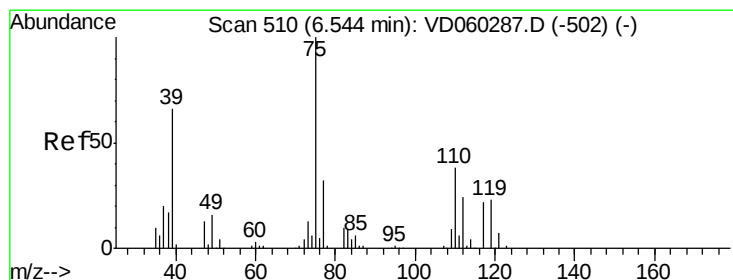
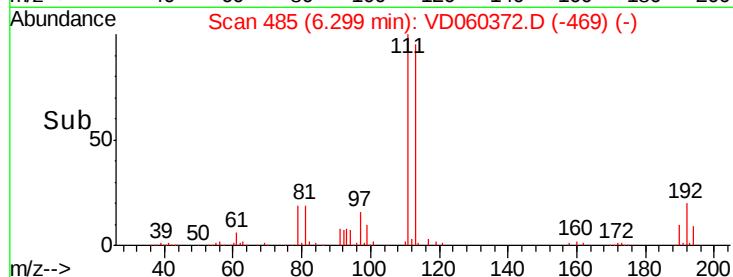
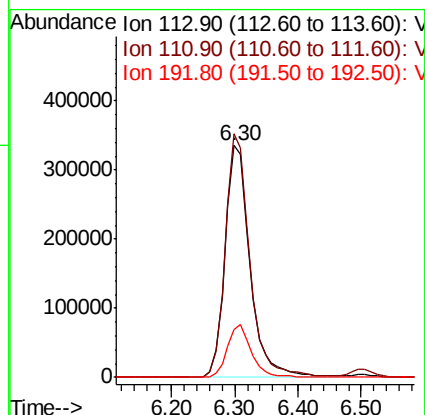
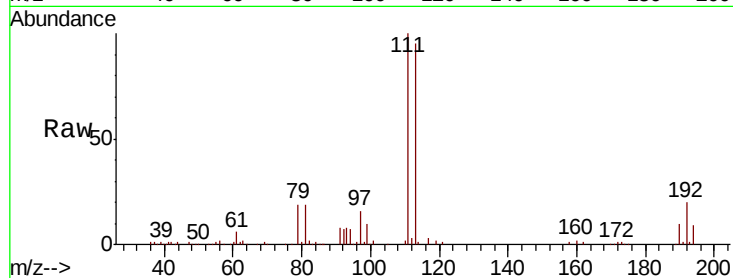




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

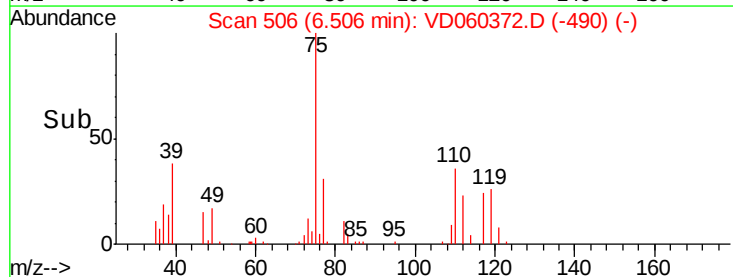
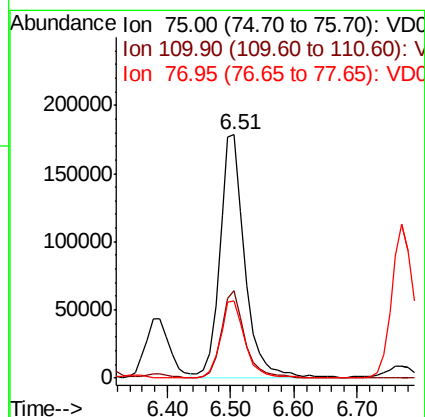
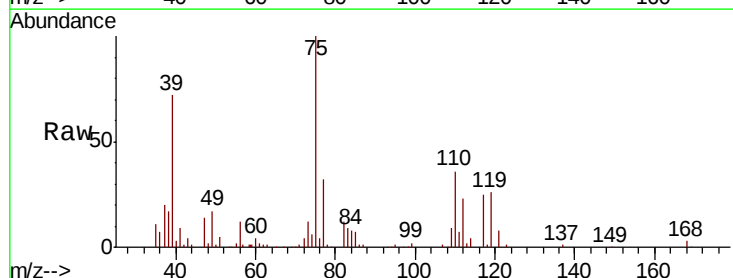
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

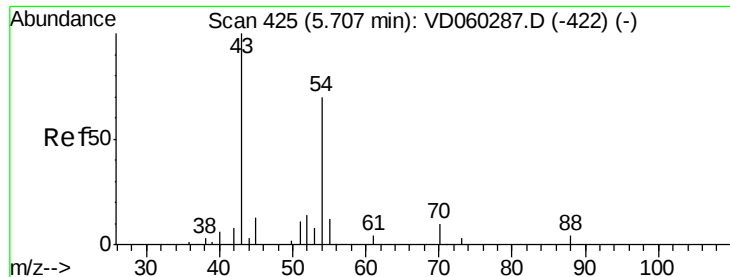
Tot Ion:113 Resp: 923315
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.6 122.4
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 21.333 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 75 Resp: 484806
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.0 54.0
 77 31.9 25.6 38.4

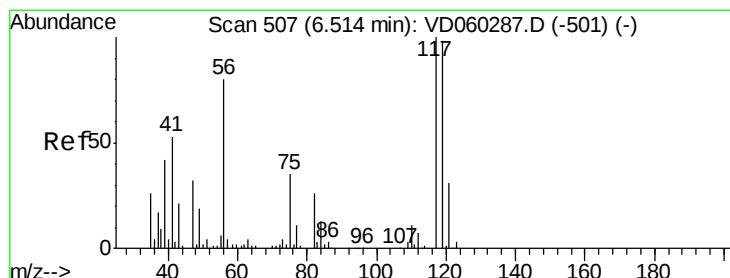
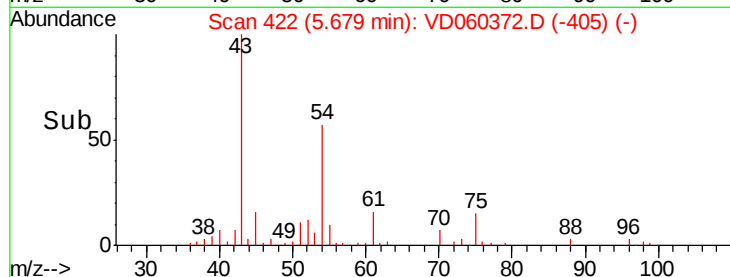
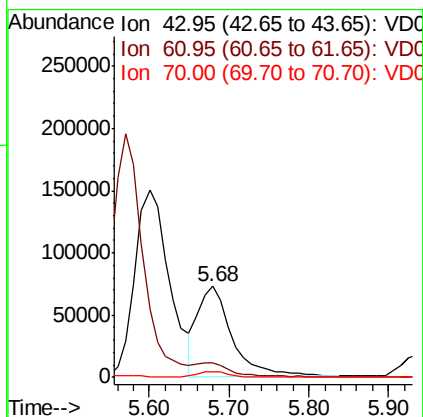
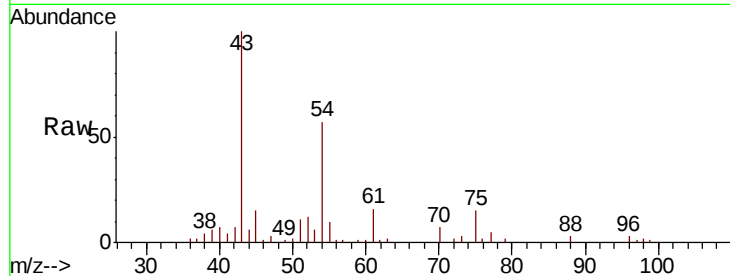




#37
Ethyl Acetate
Concen: 20.396 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

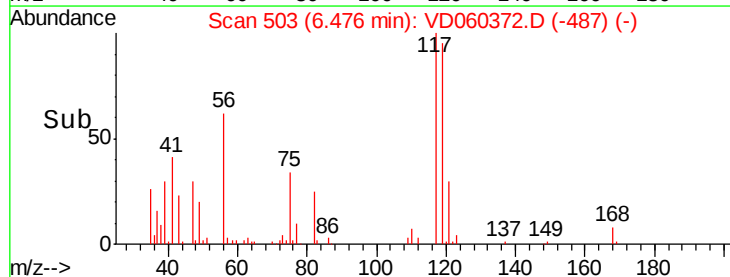
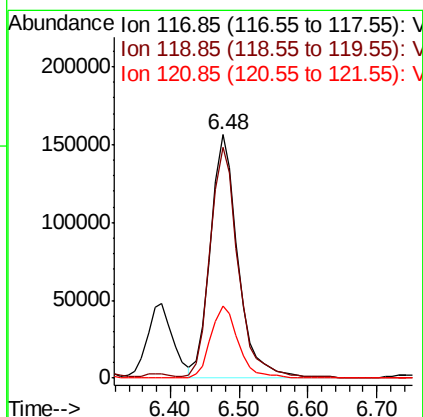
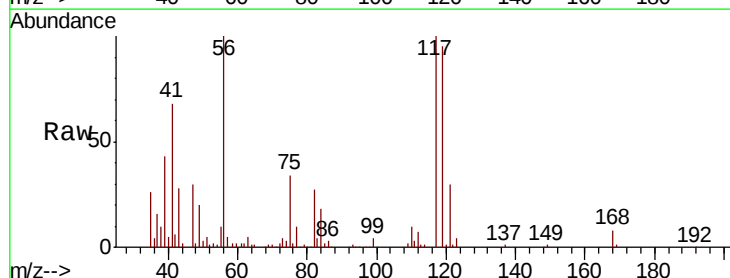
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

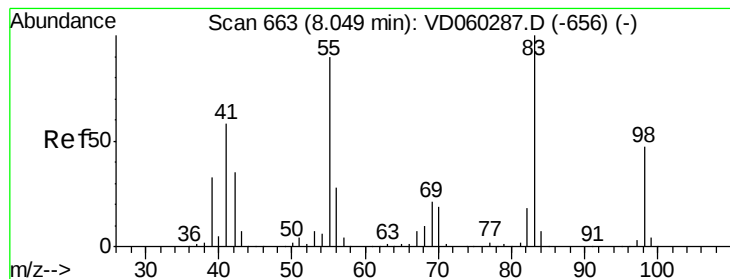
Tot Ion: 43 Resp: 213281
Ion Ratio Lower Upper
43 100
61 16.4 11.8 17.6
70 6.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 20.315 ug/l
RT: 6.48 min Scan# 503
Delta R.T. -0.04 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 117 Resp: 428258
Ion Ratio Lower Upper
117 100
119 94.7 76.6 115.0
121 29.7 24.3 36.5





#39

Methvlcvclohexane

Concen: 20.476 ug/l

RT: 8.02 min Scan# 660

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

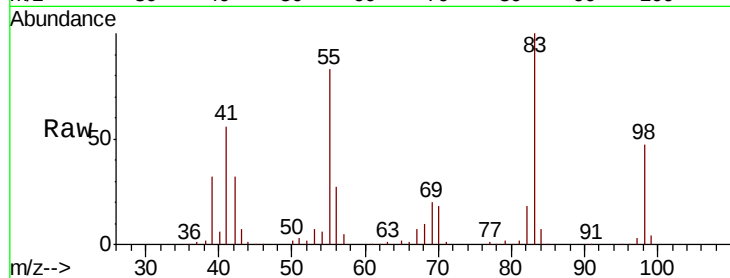
Tot Ion: 83 Resp: 535206

Ion Ratio Lower Upper

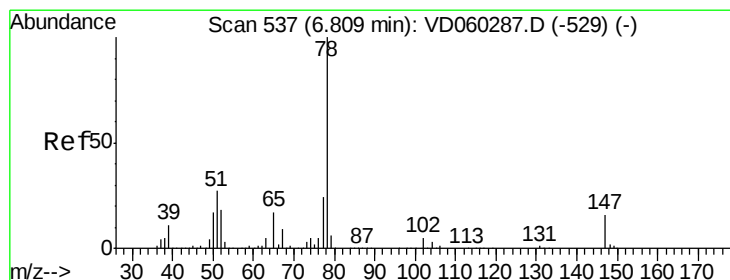
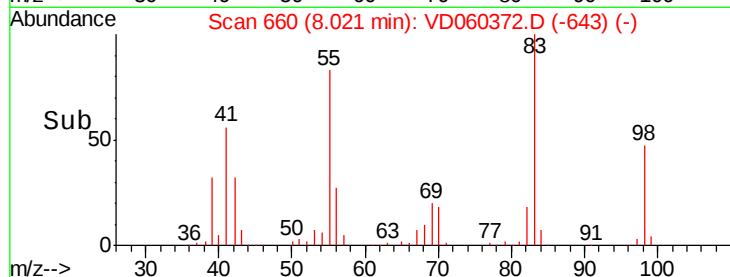
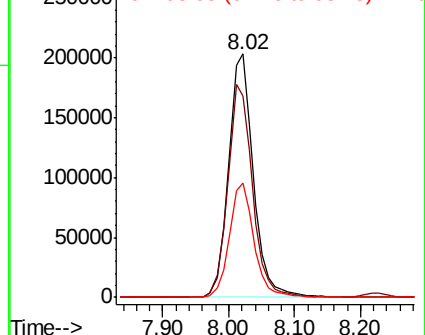
83 100

55 83.0 71.2 106.8

98 46.8 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.372 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.04 min

Lab File: VD060372.D

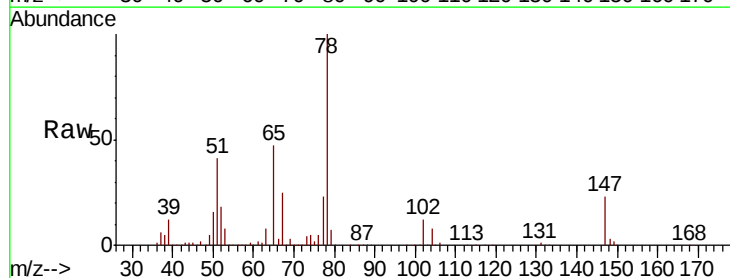
Acq: 14 Nov 2018 11:52

Tgt Ion: 78 Resp: 1239749

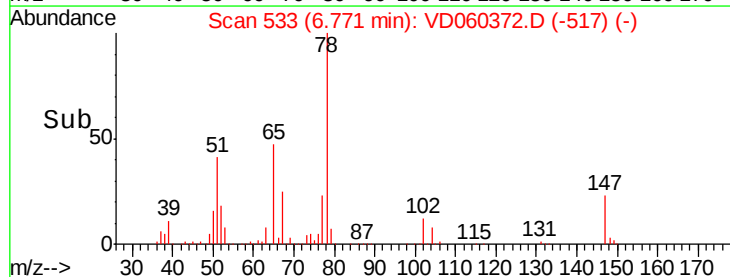
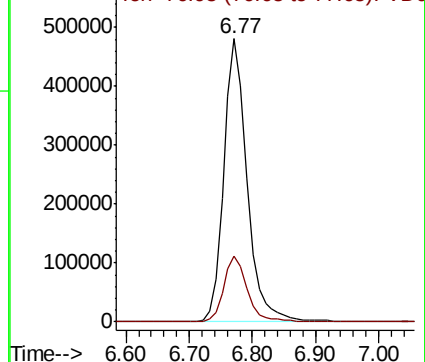
Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.789 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 41 Resp: 236851

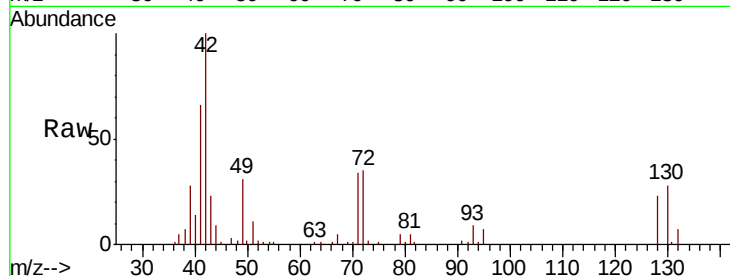
Ion Ratio Lower Upper

41 100

39 43.1 36.2 54.2

67 7.7 11.9 17.9#

52 3.1 5.2 7.8#

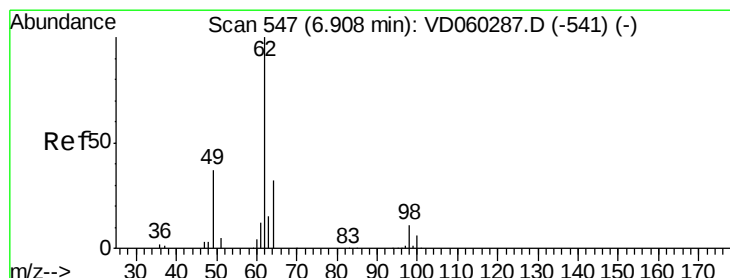
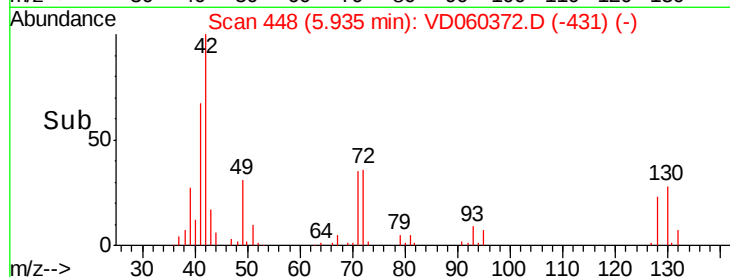
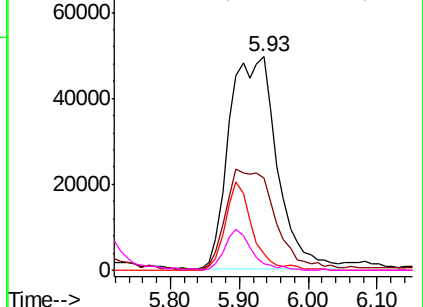


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.818 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.04 min

Lab File: VD060372.D

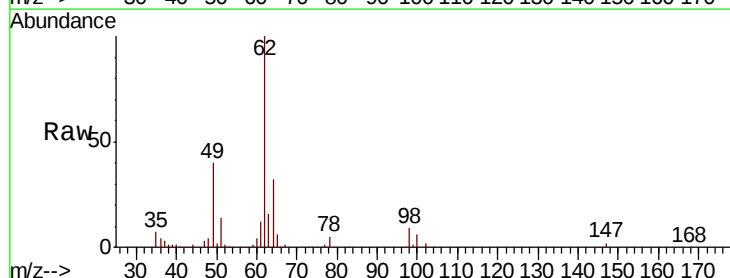
Acq: 14 Nov 2018 11:52

Tgt Ion: 62 Resp: 316091

Ion Ratio Lower Upper

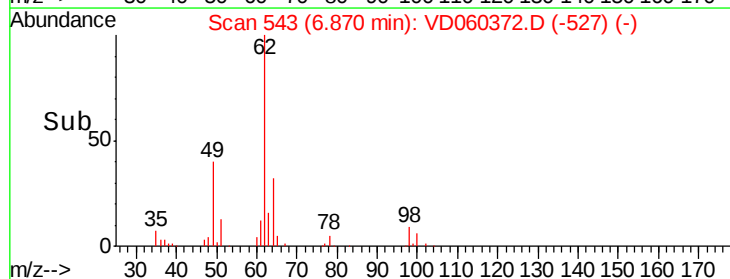
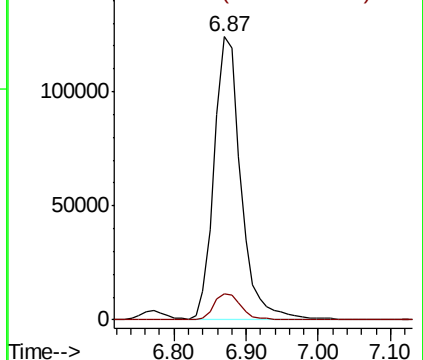
62 100

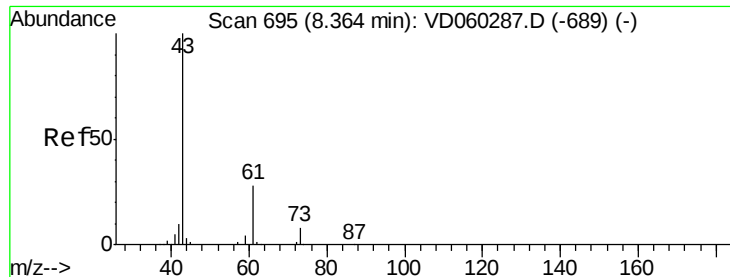
98 9.3 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.059 ug/l

RT: 8.33 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

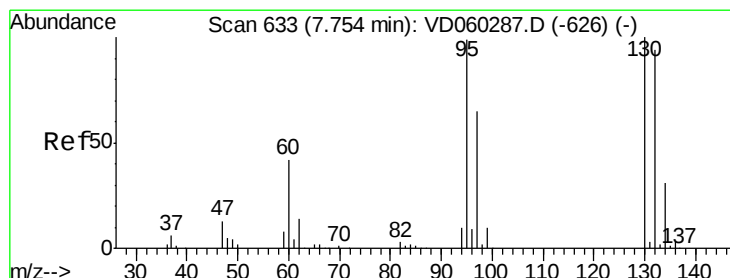
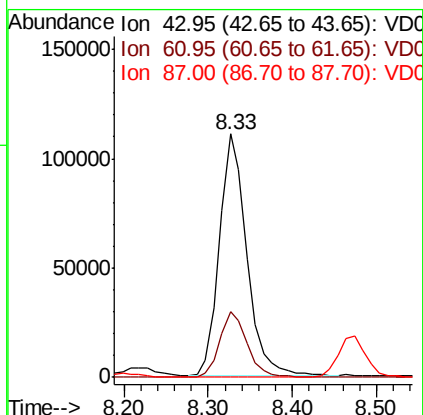
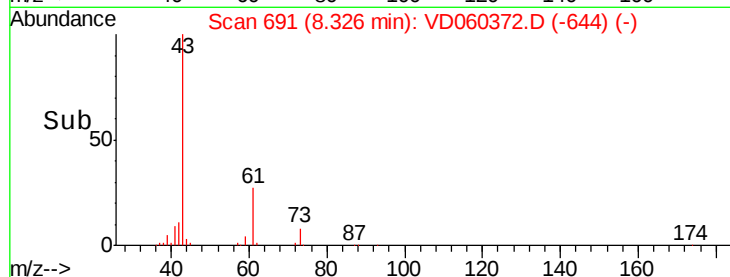
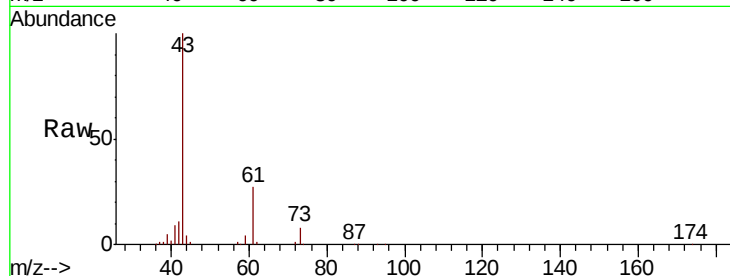
Tot Ion: 43 Resp: 250355

Ion Ratio Lower Upper

43 100

61 26.8 22.3 33.5

87 0.3 0.2 0.2#



#44

Trichloroethene

Concen: 21.205 ug/l

RT: 7.72 min Scan# 629

Delta R.T. -0.04 min

Lab File: VD060372.D

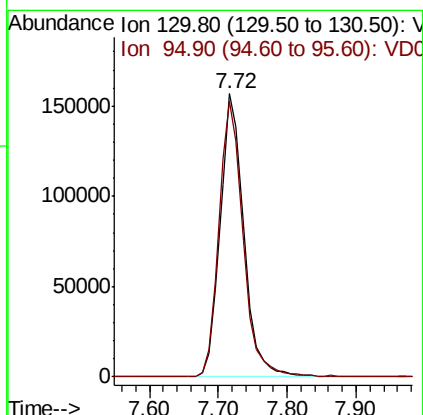
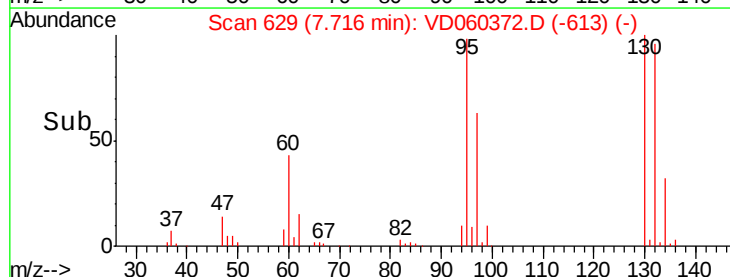
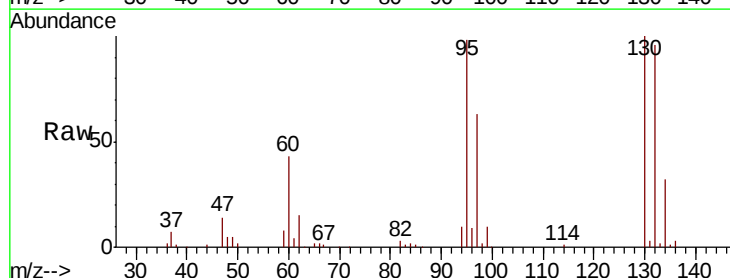
Acq: 14 Nov 2018 11:52

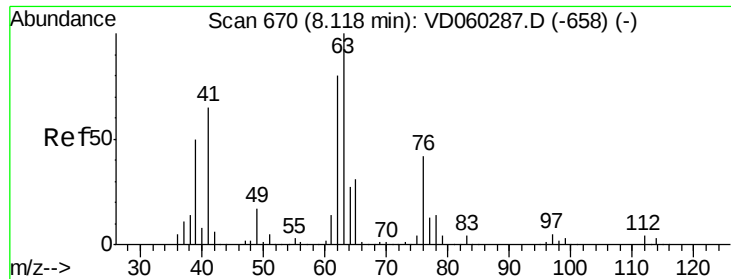
Tgt Ion: 130 Resp: 372887

Ion Ratio Lower Upper

130 100

95 97.5 0.0 200.0





#45

1,2-Dichloropropane

Concen: 20.840 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

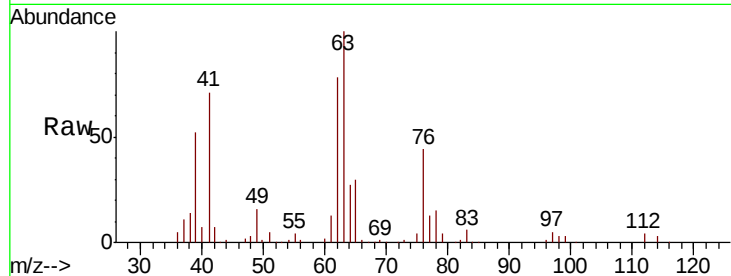
VD1114SBS01

Tot Ion: 63 Resp: 304893

Ion Ratio Lower Upper

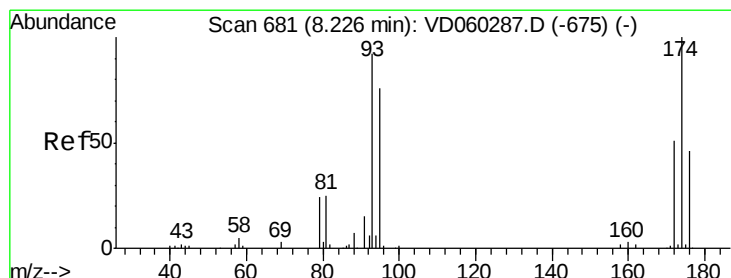
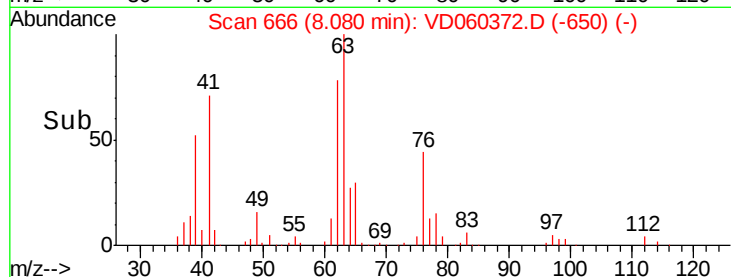
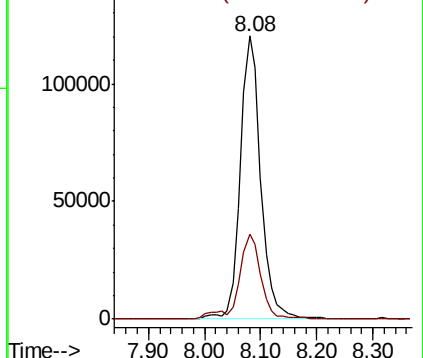
63 100

65 29.8 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.676 ug/l

RT: 8.20 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

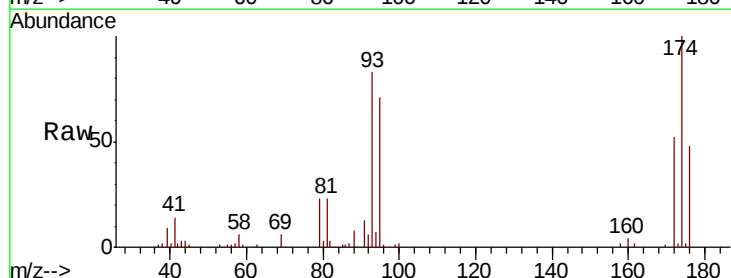
Tgt Ion: 93 Resp: 177165

Ion Ratio Lower Upper

93 100

95 85.5 66.4 99.6

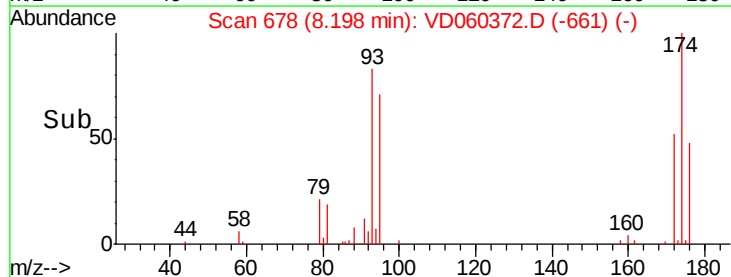
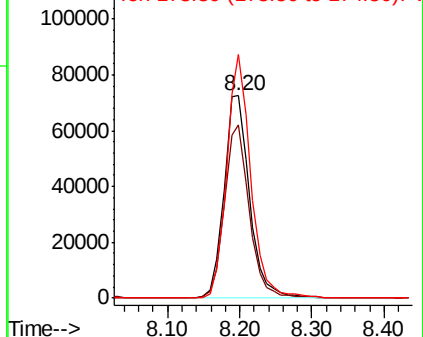
174 120.3 87.8 131.8

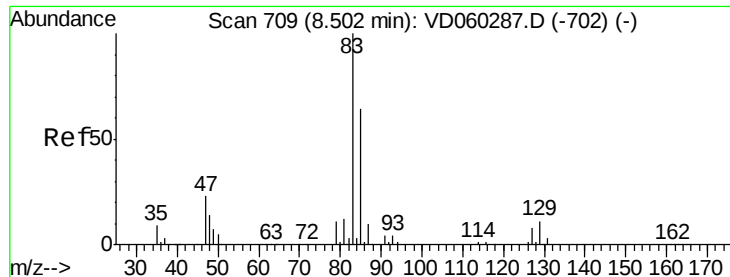


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.151 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

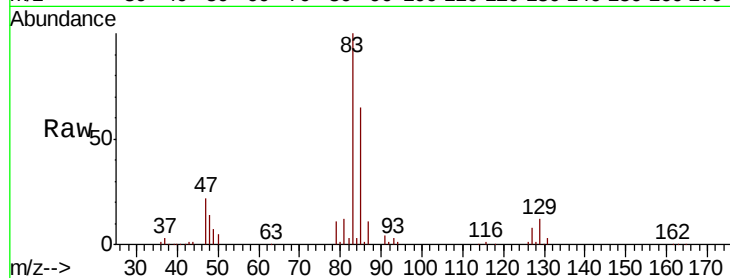
Tot Ion: 83 Resp: 427062

Ion Ratio Lower Upper

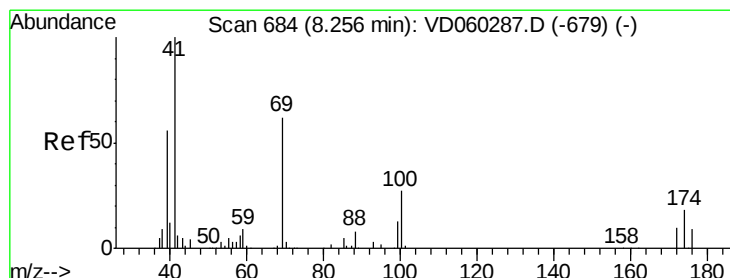
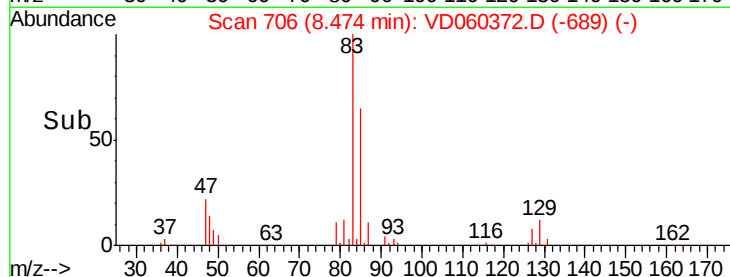
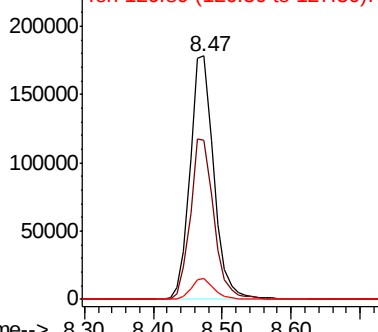
83 100

85 65.2 51.0 76.6

127 8.4 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.759 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

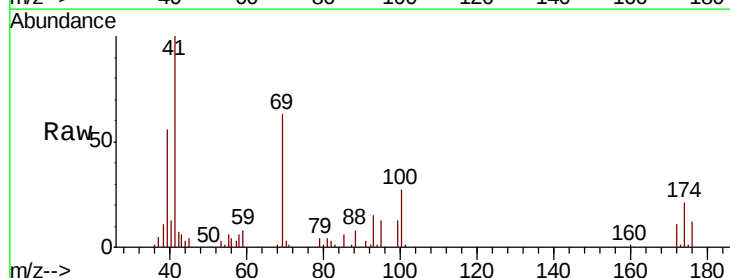
Tgt Ion: 41 Resp: 157654

Ion Ratio Lower Upper

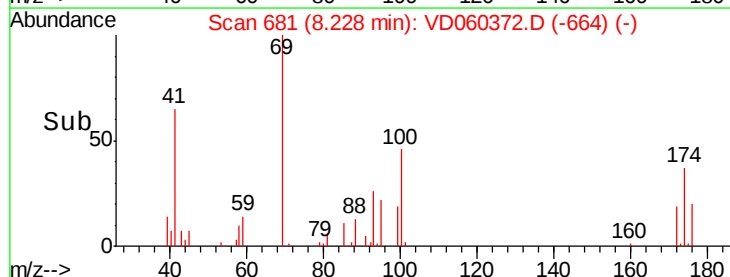
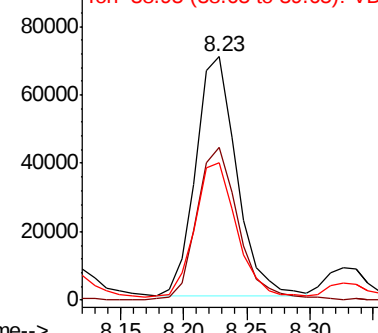
41 100

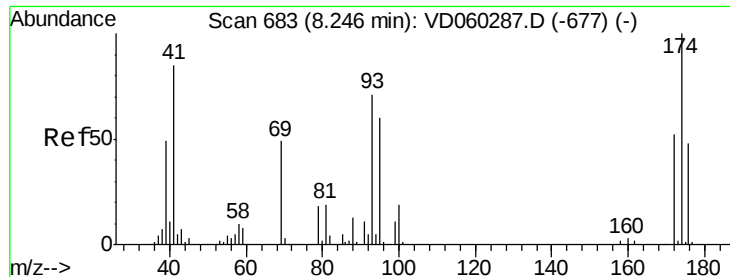
69 62.9 47.0 70.4

39 56.4 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 420.218 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

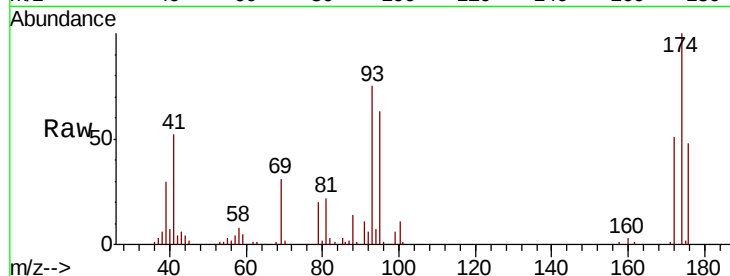
Tot Ion: 88 Resp: 29010

Ion Ratio Lower Upper

88 100

43 45.9 39.7 59.5

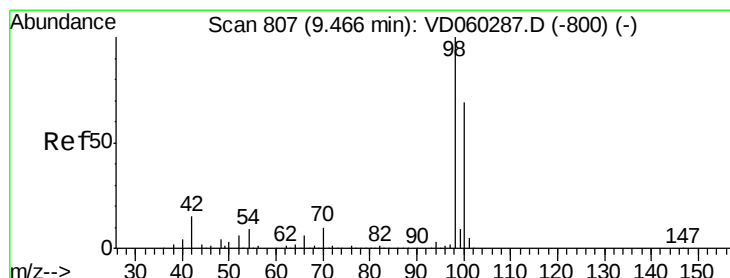
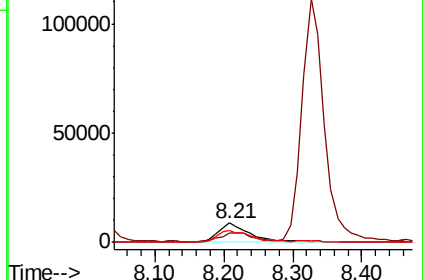
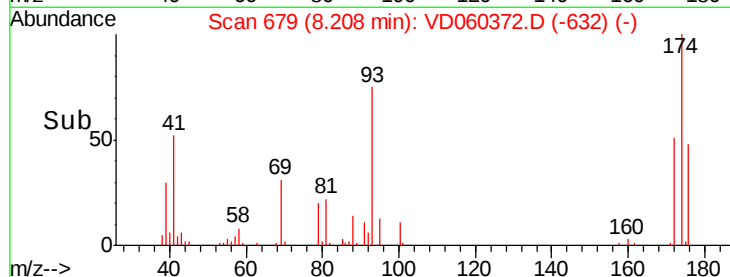
58 58.9 60.2 90.2#



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: 420.218 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060372.D

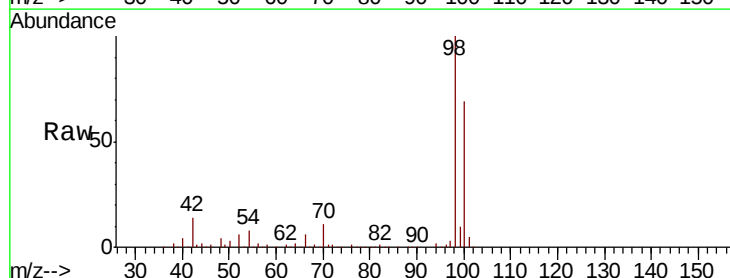
Acq: 14 Nov 2018 11:52

Tgt Ion: 98 Resp: 2581716

Ion Ratio Lower Upper

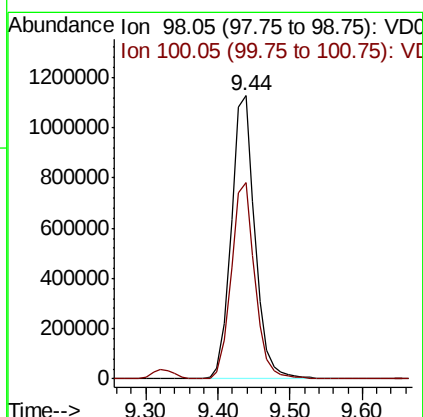
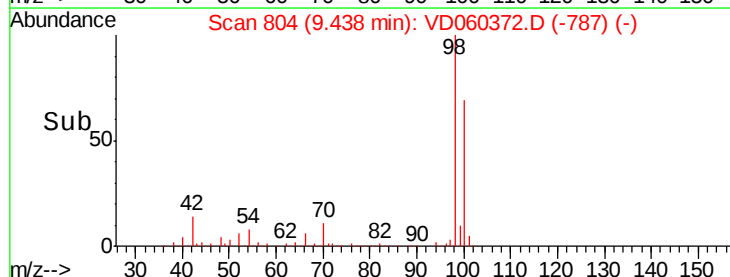
98 100

100 69.3 55.2 82.8



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: 99.835 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.04 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

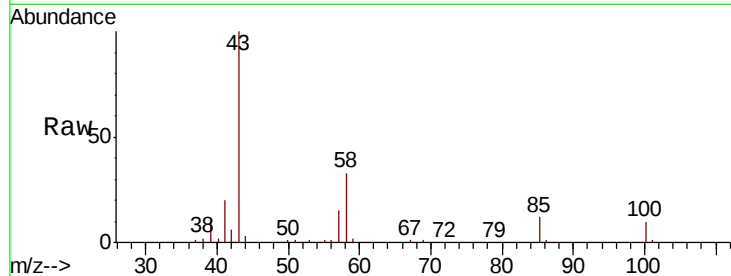
VD1114SBS01

Tot Ion: 43 Resp: 853536

Ion Ratio Lower Upper

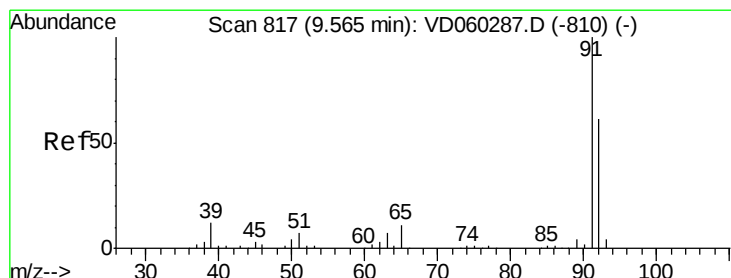
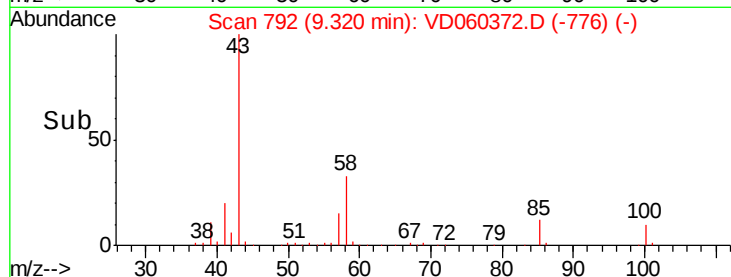
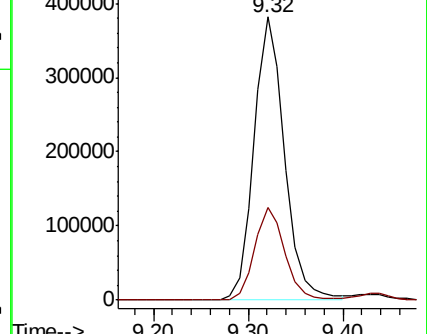
43 100

58 32.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.968 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060372.D

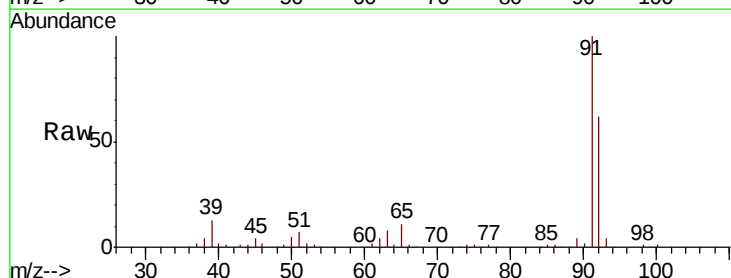
Acq: 14 Nov 2018 11:52

Tgt Ion: 92 Resp: 776971

Ion Ratio Lower Upper

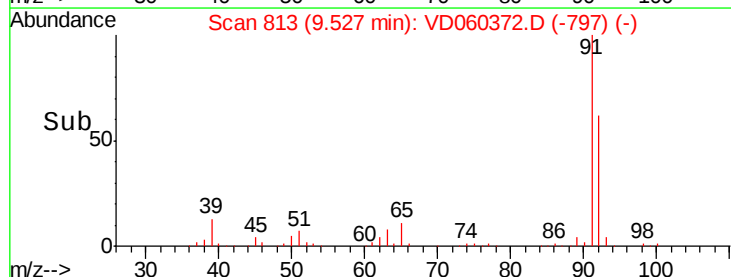
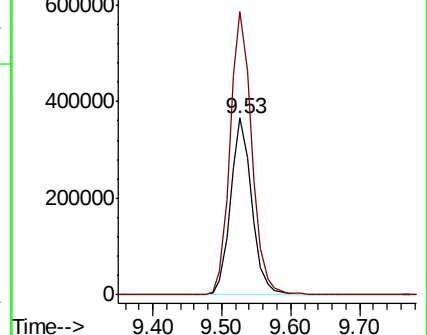
92 100

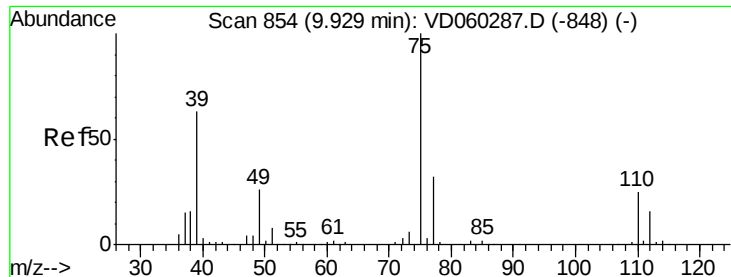
91 160.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.744 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

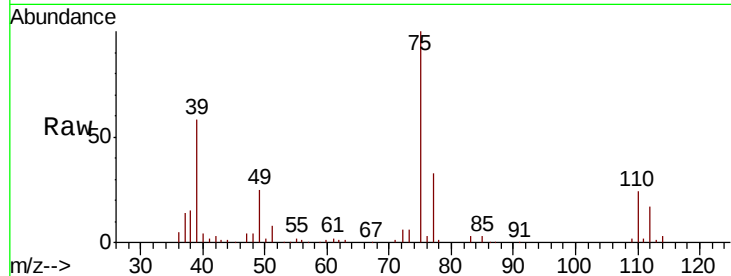
VD1114SBS01

Tot Ion: 75 Resp: 353896

Ion Ratio Lower Upper

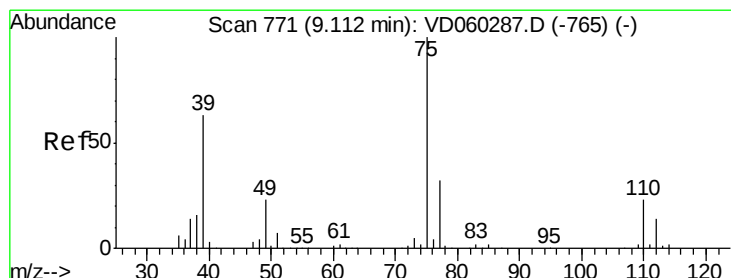
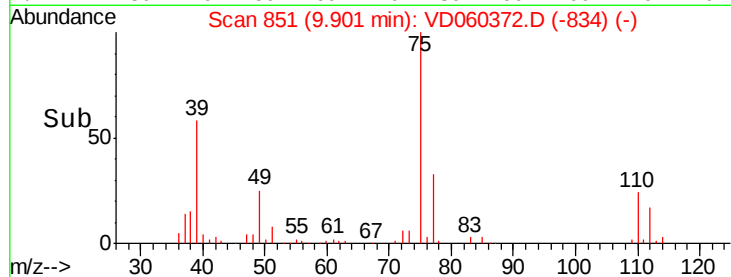
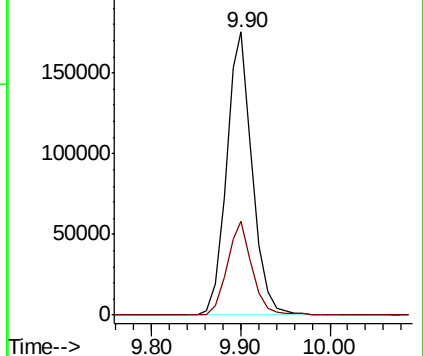
75 100

77 33.3 25.2 37.8



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: 21.148 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

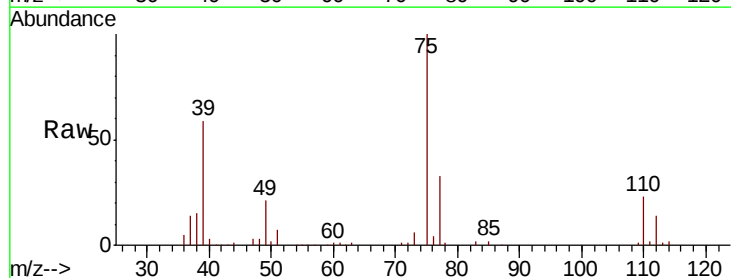
Tgt Ion: 75 Resp: 462748

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

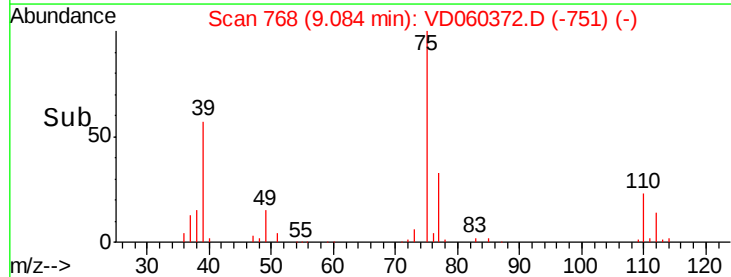
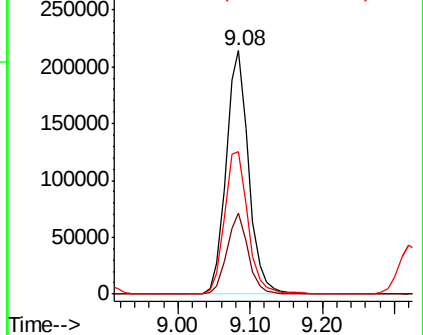
39 58.8 50.8 76.2

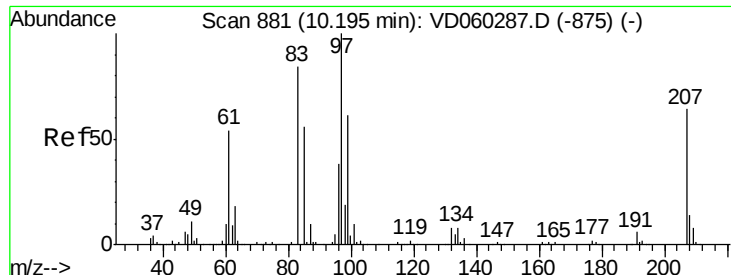


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

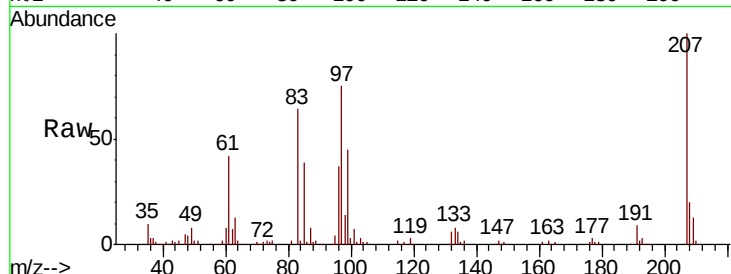




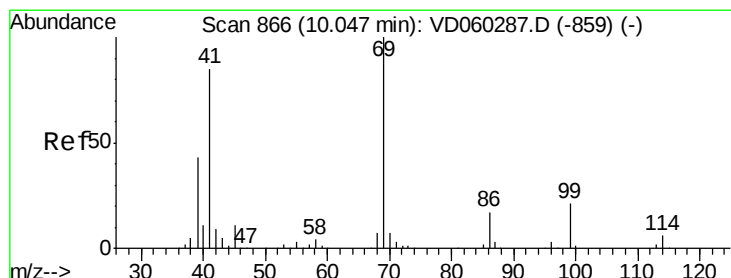
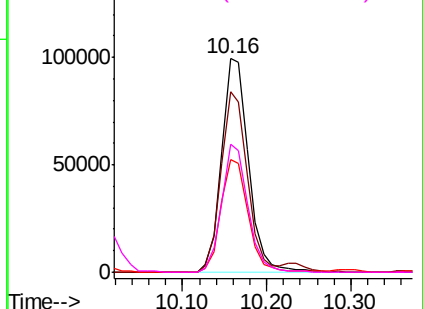
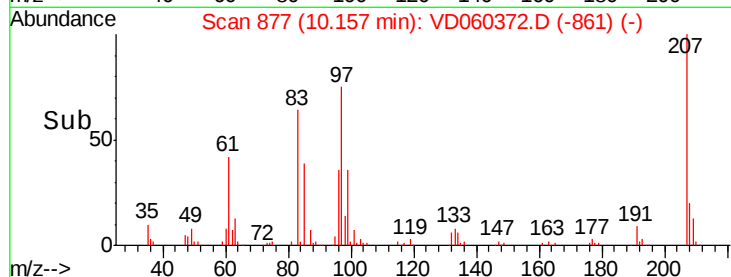
#55
 1,1,2-Trichloroethane
 Concen: 20.486 ug/l
 RT: 10.16 min Scan# 877
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion:	97	Resp:	220023
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.4	102.6
85	52.6	46.8	70.2
99	59.8	49.5	74.3

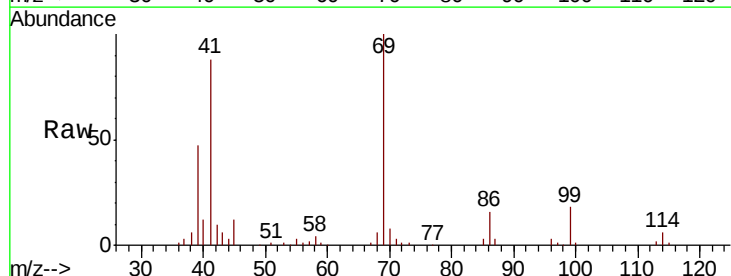


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

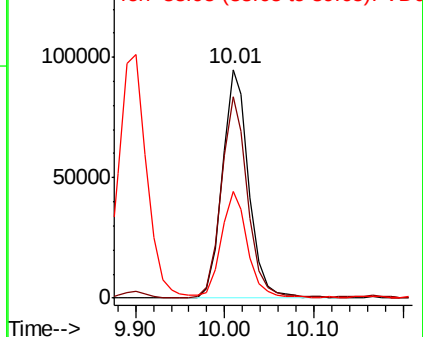
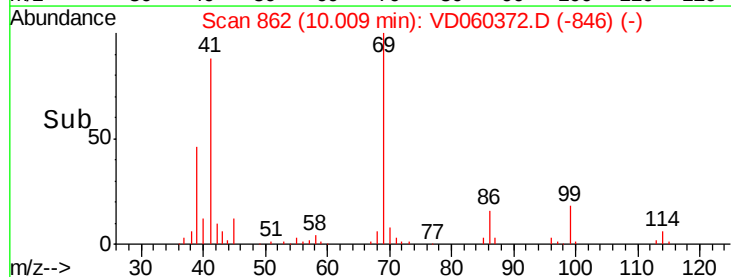


#56
 Ethyl methacrylate
 Concen: 19.933 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.04 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion:	69	Resp:	196836
Ion	Ratio	Lower	Upper
69	100		
41	88.1	69.0	103.4
39	46.6	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.228 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

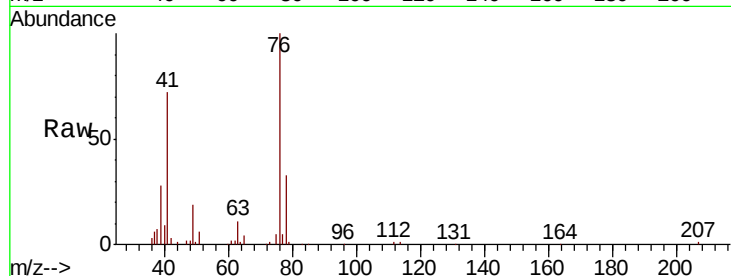
VD1114SBS01

Tot Ion: 76 Resp: 347397

Ion Ratio Lower Upper

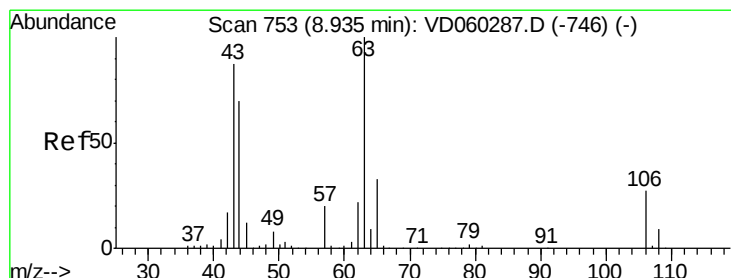
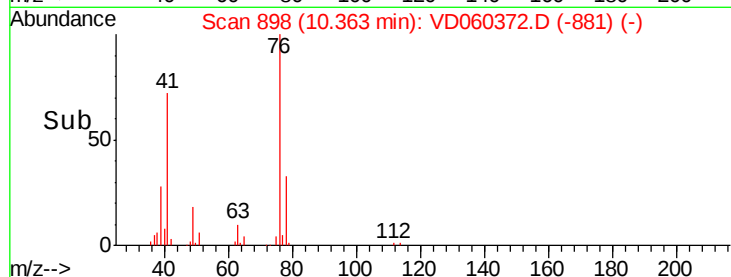
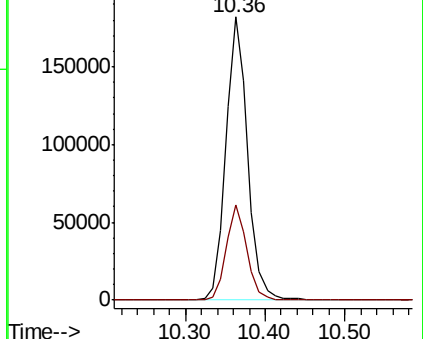
76 100

78 33.4 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.087 ug/l

RT: 8.90 min Scan# 749

Delta R.T. -0.04 min

Lab File: VD060372.D

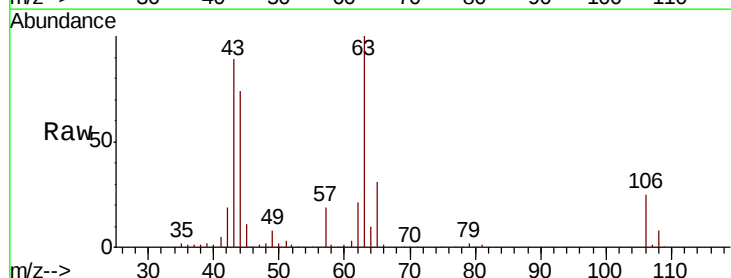
Acq: 14 Nov 2018 11:52

Tgt Ion: 63 Resp: 633423

Ion Ratio Lower Upper

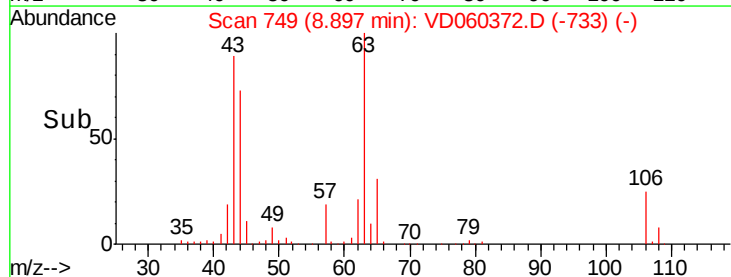
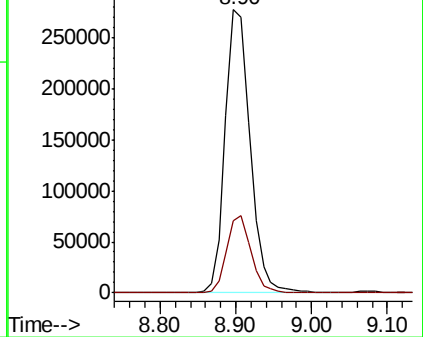
63 100

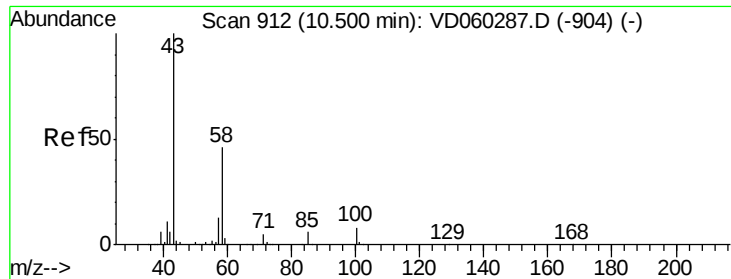
106 25.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

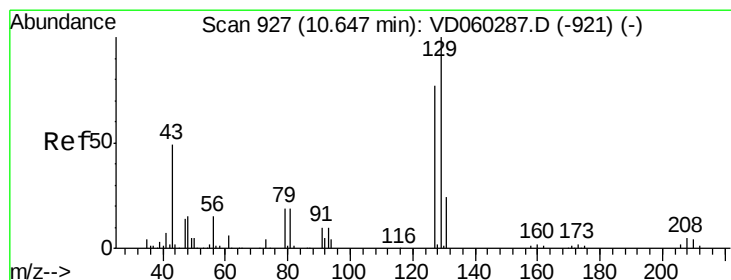
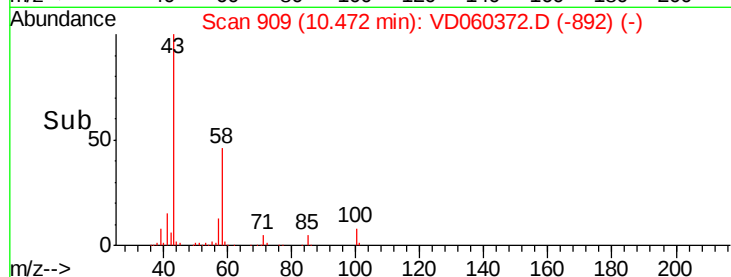
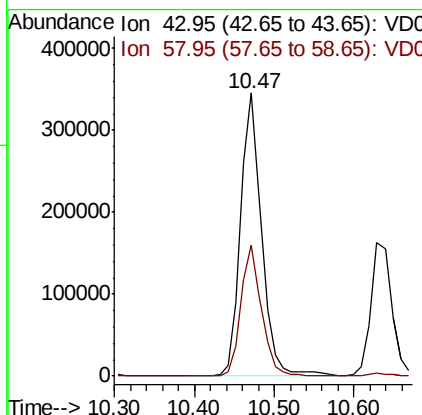
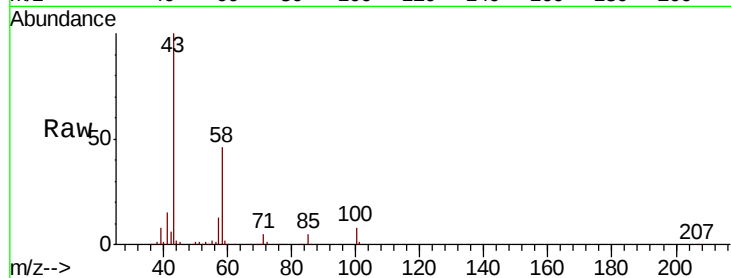




#59
2-Hexanone
Concen: 104.211 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

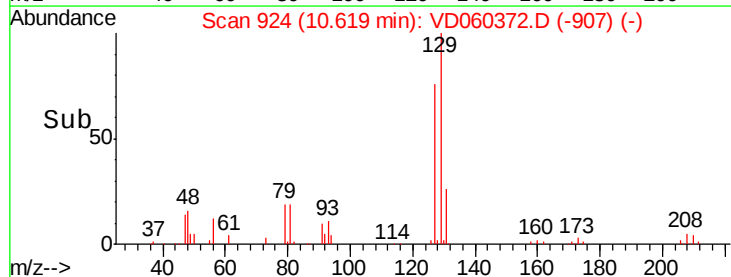
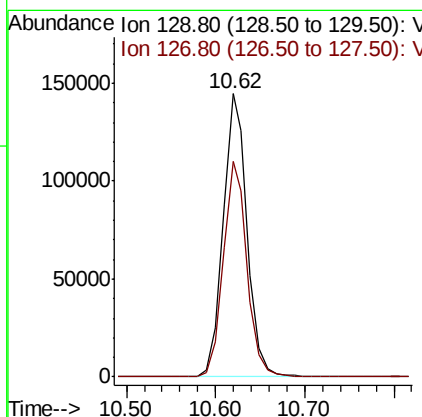
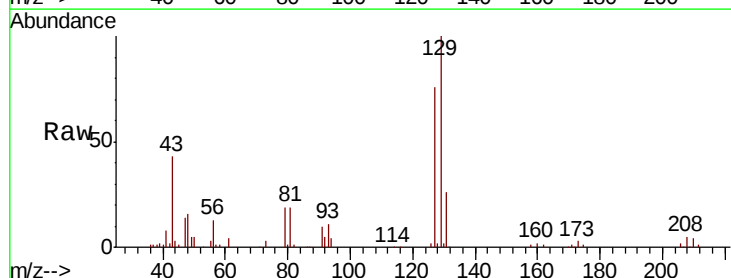
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

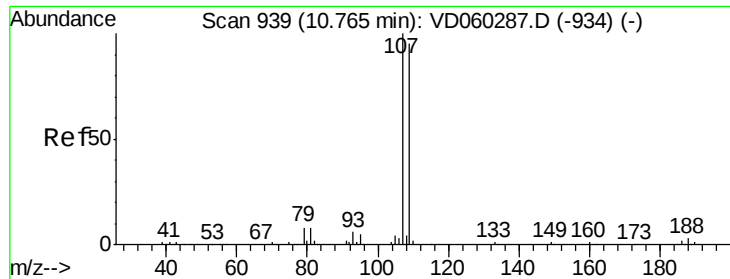
Tot Ion: 43 Resp: 635016
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 20.909 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 129 Resp: 272973
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6

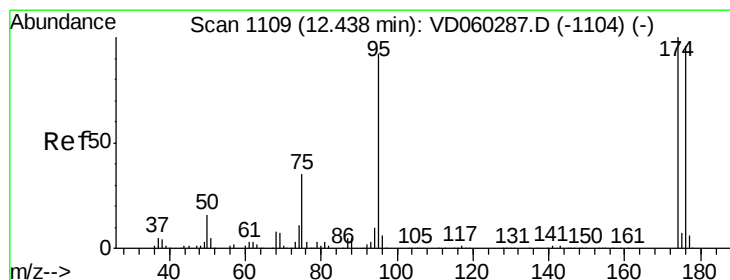
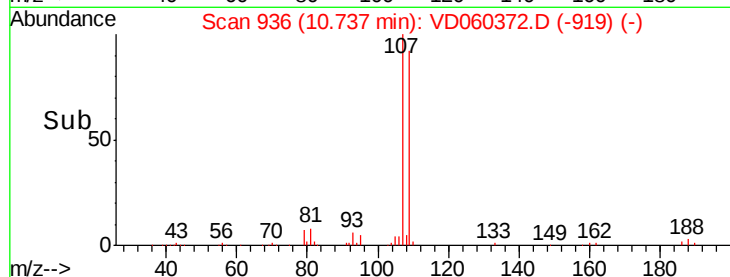
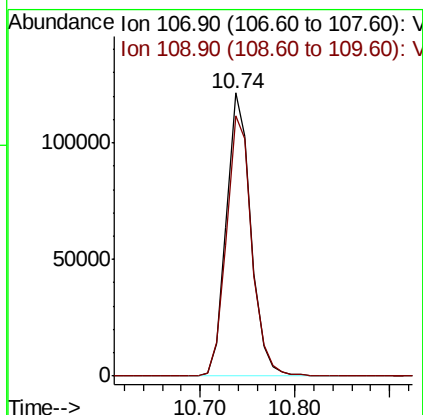
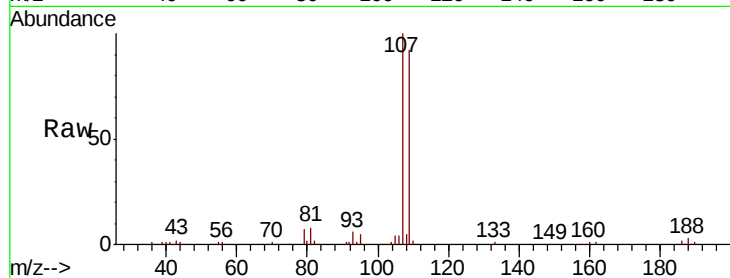




#61
 1,2-Dibromoethane
 Concen: 20.181 ug/l
 RT: 10.74 min Scan# 936
 Delta R.T. -0.03 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

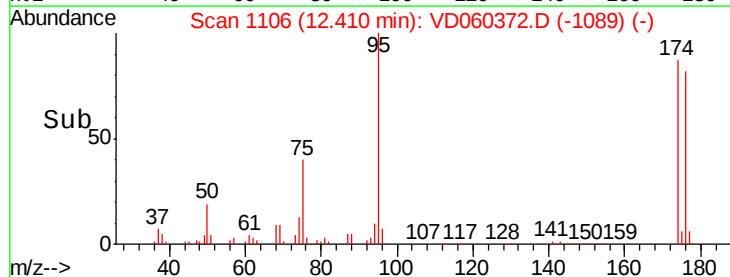
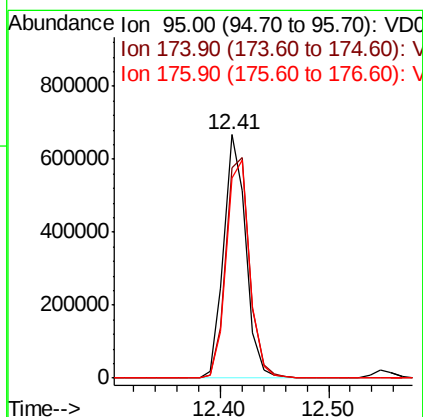
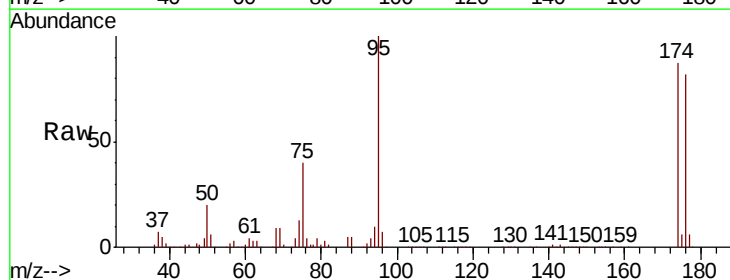
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

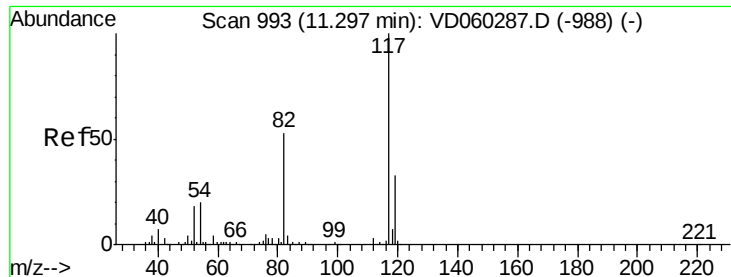
Tot Ion:107 Resp: 217166
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.181 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.03 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 95 Resp: 952591
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 160.8
 176 82.3 0.0 154.6

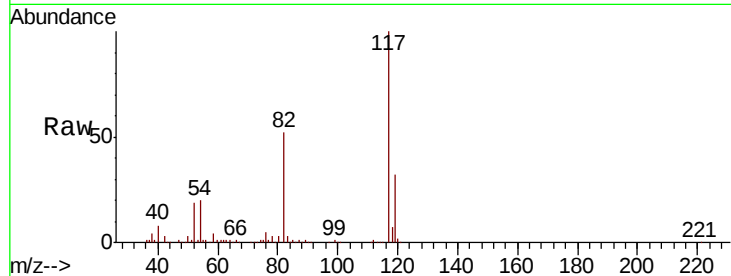




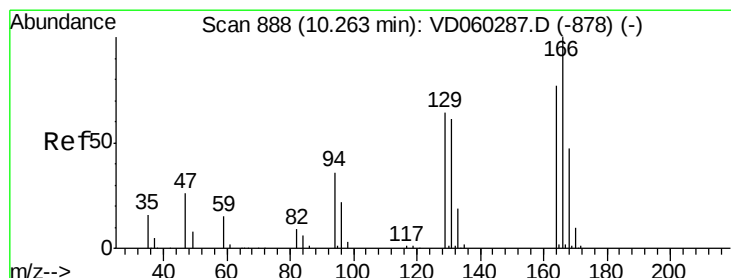
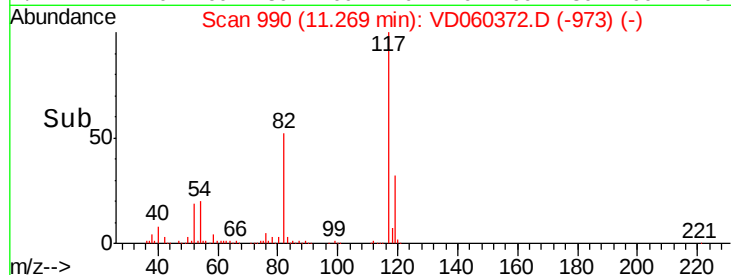
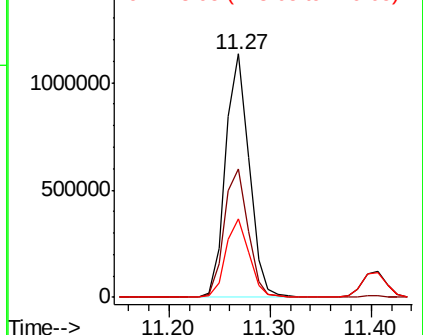
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion:117 Resp: 1839056
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 32.4 26.1 39.1

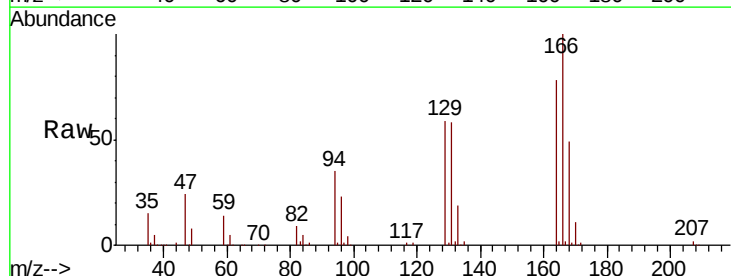


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

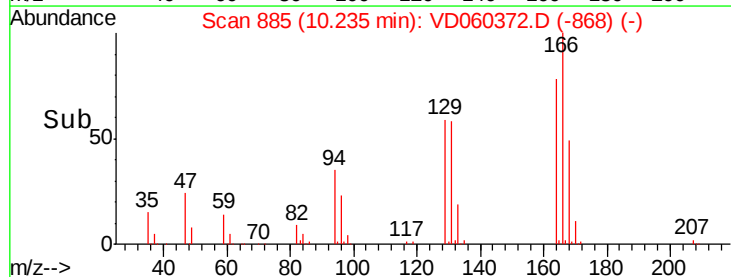
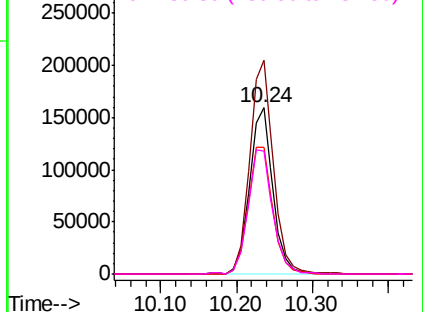


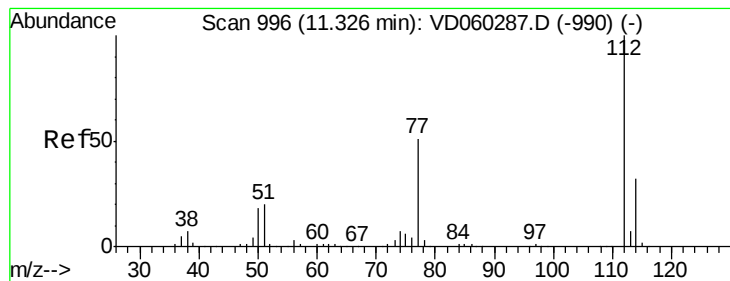
#64
Tetrachloroethene
Concen: 20.820 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion:164 Resp: 341829
Ion Ratio Lower Upper
164 100
166 128.4 103.7 155.5
129 76.3 65.6 98.4
131 74.0 64.4 96.6



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: 20.979 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.03 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

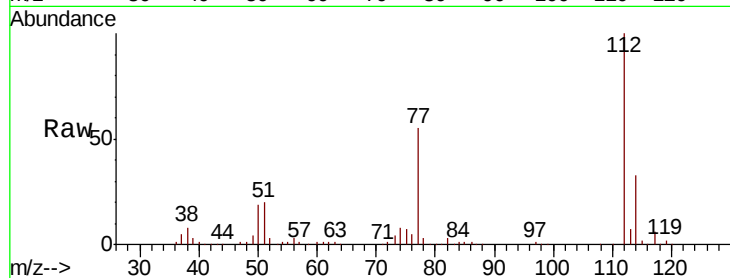
VD1114SBS01

Tot Ion:112 Resp: 835970

Ion Ratio Lower Upper

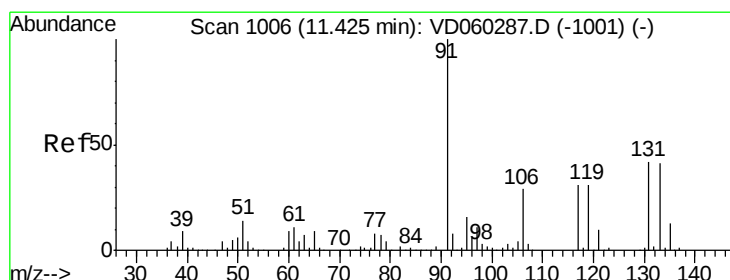
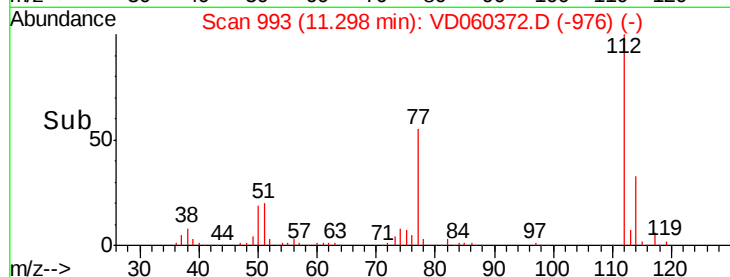
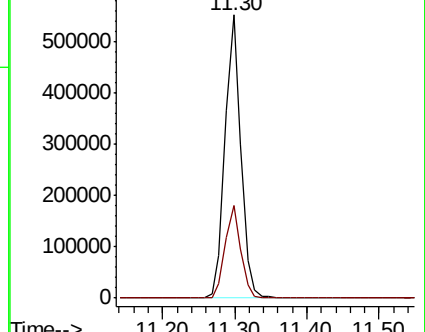
112 100

114 32.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.792 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

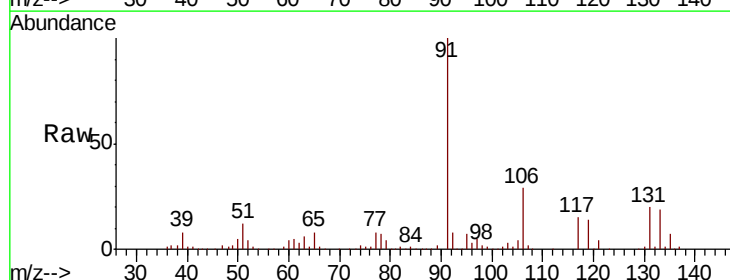
Tgt Ion:131 Resp: 284114

Ion Ratio Lower Upper

131 100

133 94.9 50.0 150.0

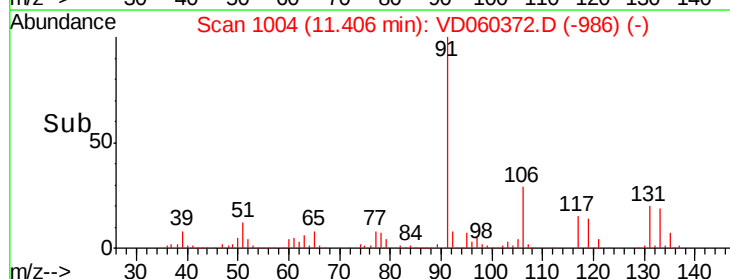
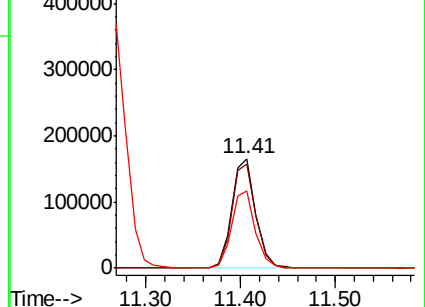
119 70.6 37.0 111.1



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

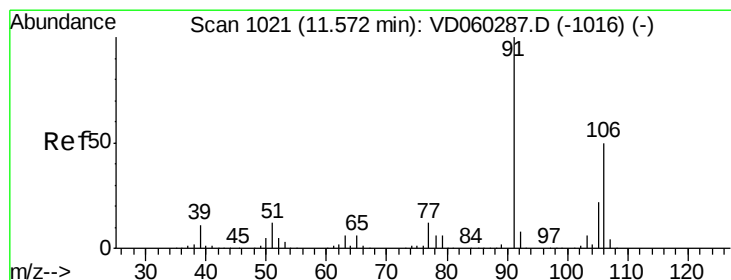
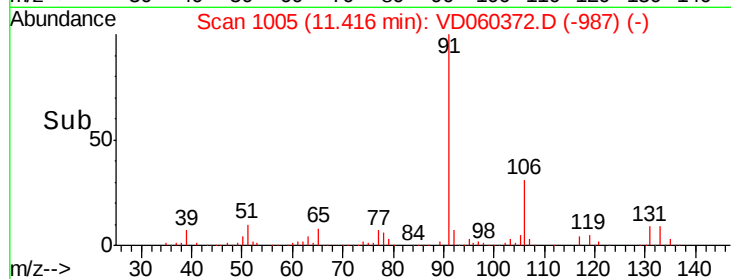
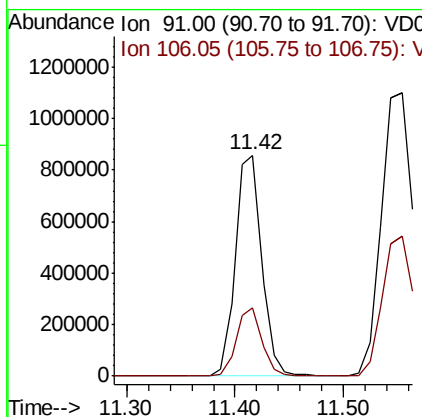
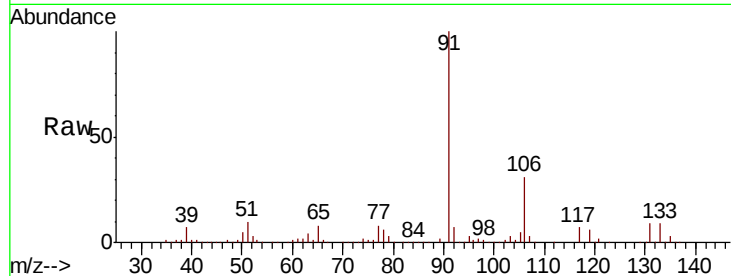




#67
Ethyl Benzene
Concen: 21.291 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

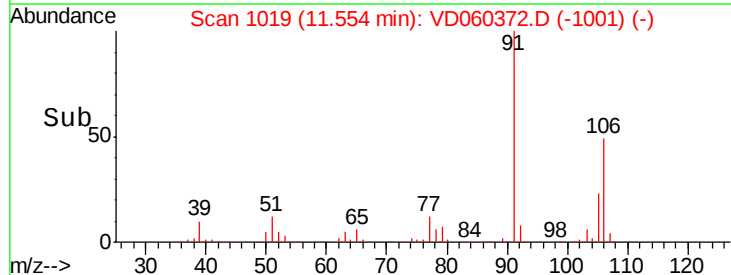
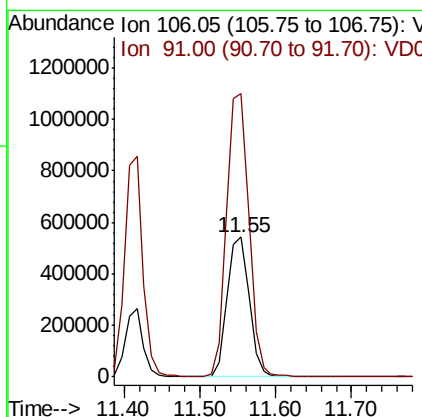
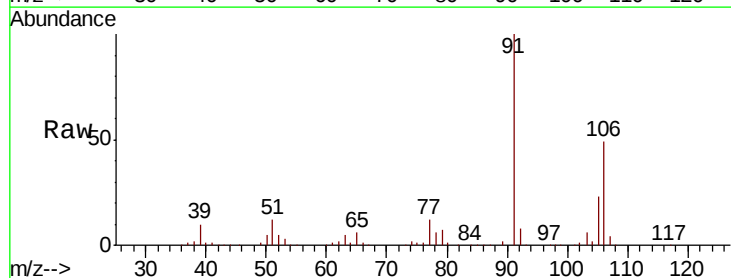
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

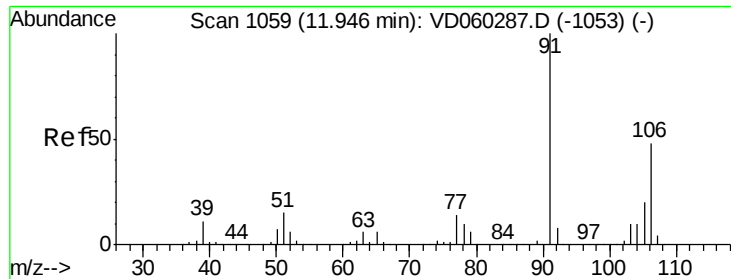
Tot Ion: 91 Resp: 1451261
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 43.123 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 106 Resp: 1084304
Ion Ratio Lower Upper
106 100
91 202.5 159.4 239.2

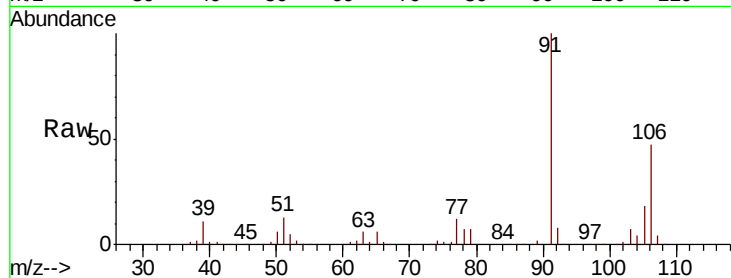




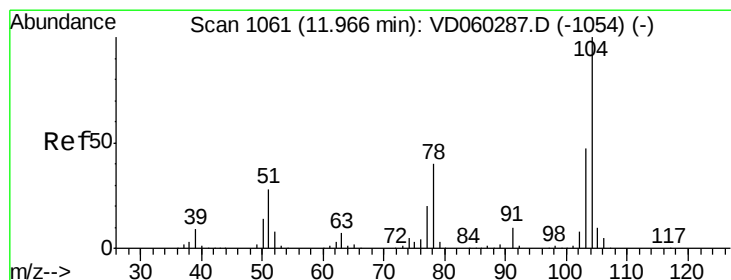
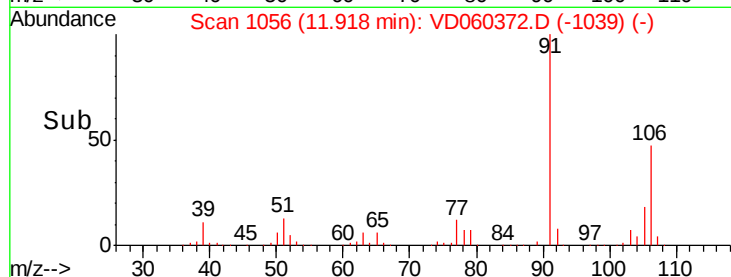
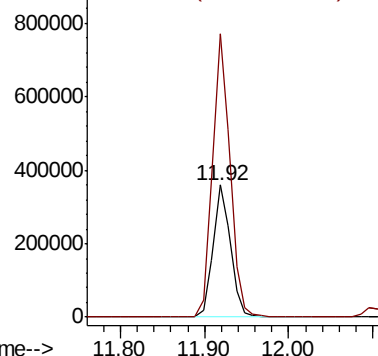
#69
o-Xylene
Concen: 21.274 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion:106 Resp: 516793
Ion Ratio Lower Upper
106 100
91 214.5 109.2 327.6

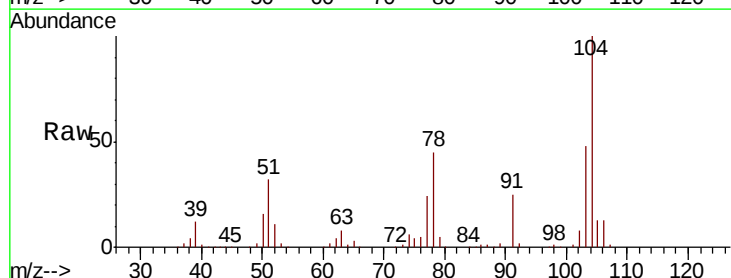


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

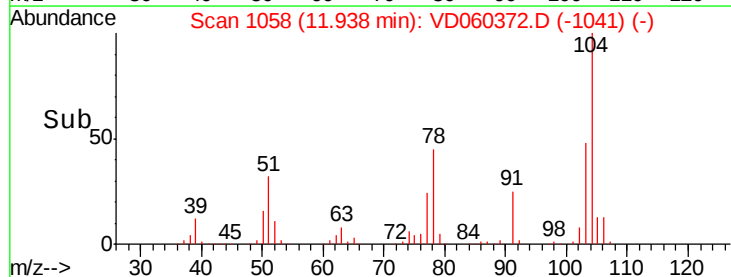
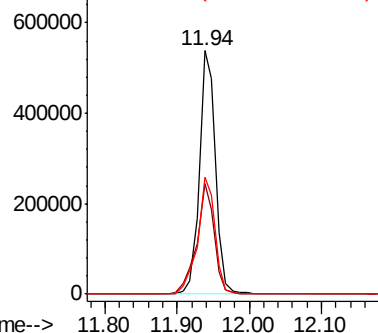


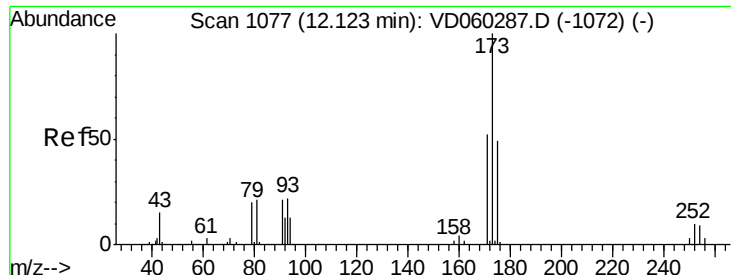
#70
Styrene
Concen: 21.042 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion:104 Resp: 826086
Ion Ratio Lower Upper
104 100
78 45.2 31.6 47.4
103 48.1 37.0 55.6



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





#71

Bromoform

Concen: 19.859 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

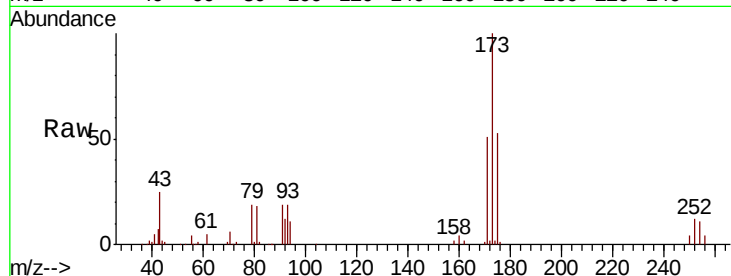
Tot Ion:173 Resp: 173982

Ion Ratio Lower Upper

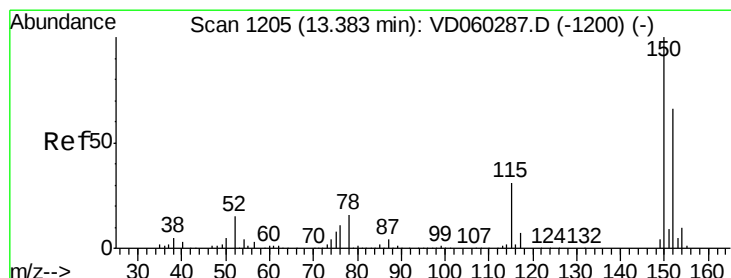
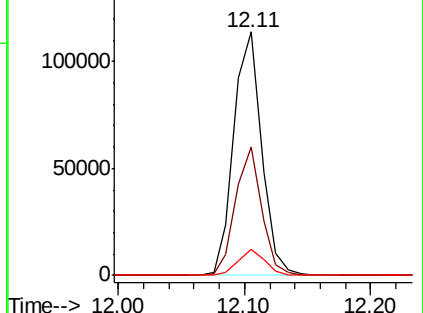
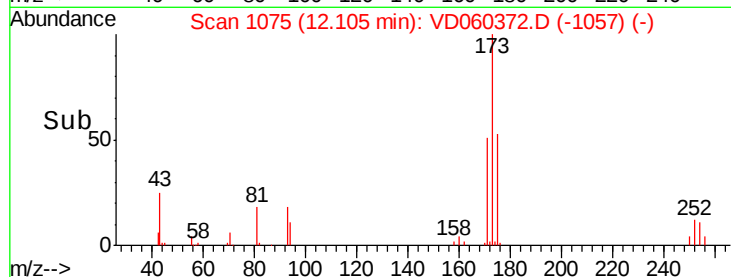
173 100

175 52.7 24.3 73.0

254 10.8 8.3 12.5



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: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

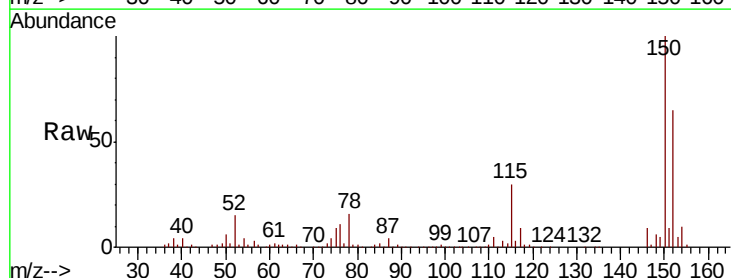
Tgt Ion:152 Resp: 965567

Ion Ratio Lower Upper

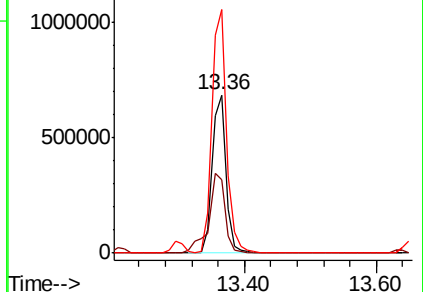
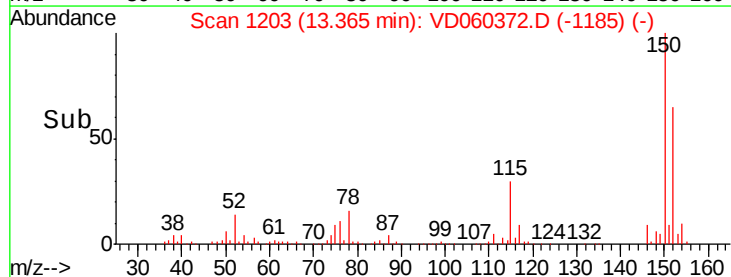
152 100

115 46.1 24.1 72.3

150 153.7 0.0 310.6



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: 19.628 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

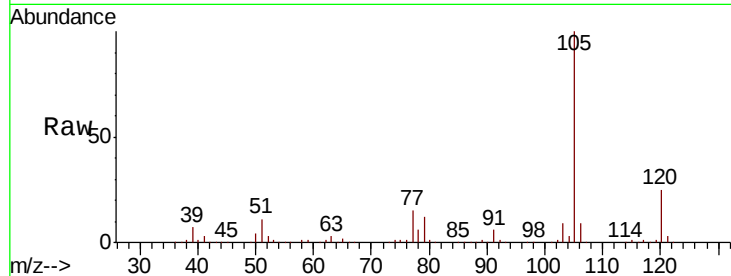
VD1114SBS01

Tot Ion:105 Resp: 1380829

Ion Ratio Lower Upper

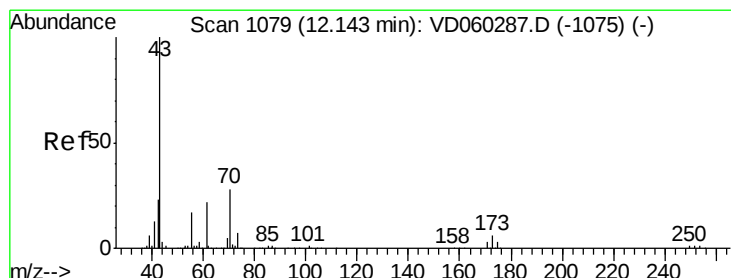
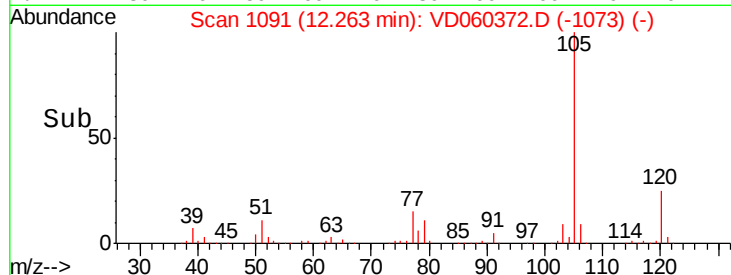
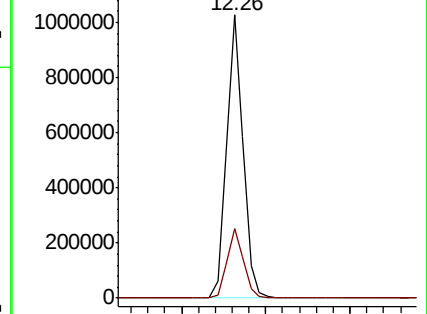
105 100

120 24.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.877 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Tgt Ion: 43 Resp: 340472

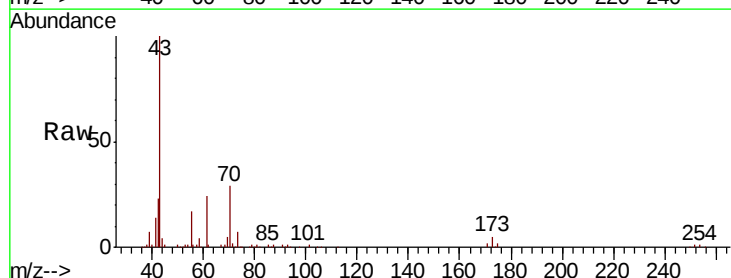
Ion Ratio Lower Upper

43 100

70 28.8 23.0 34.4

55 16.8 14.2 21.4

61 24.3 17.8 26.8

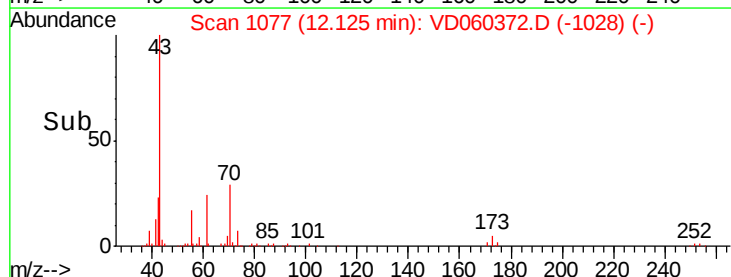
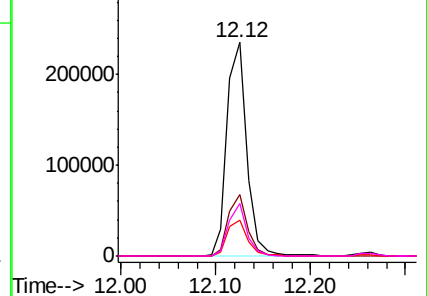


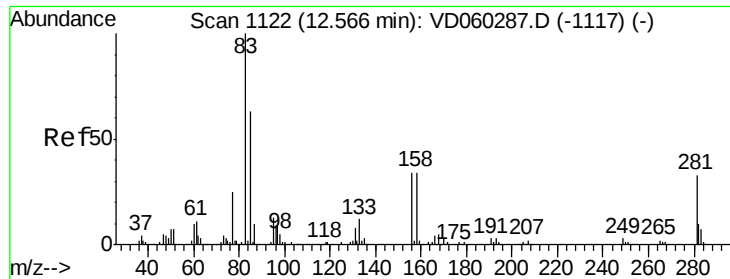
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.028 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

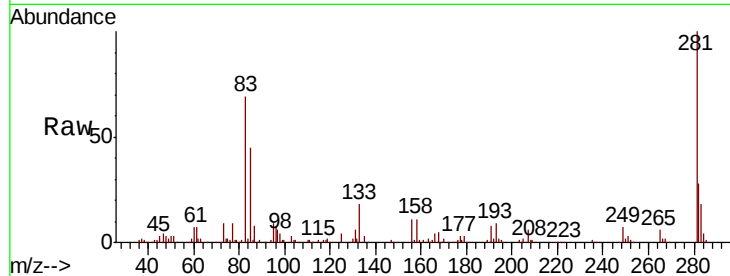
Tot Ion: 83 Resp: 230424

Ion Ratio Lower Upper

83 100

131 8.5 3.9 11.5

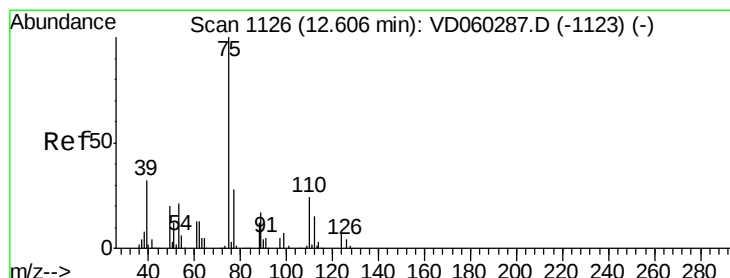
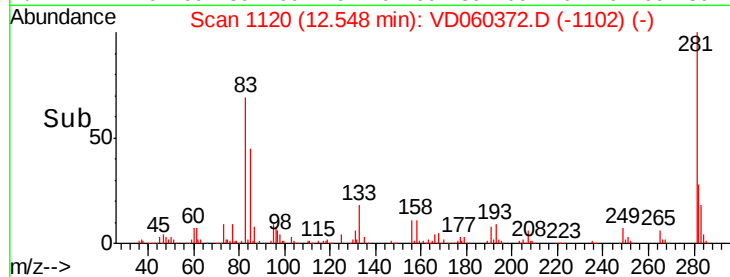
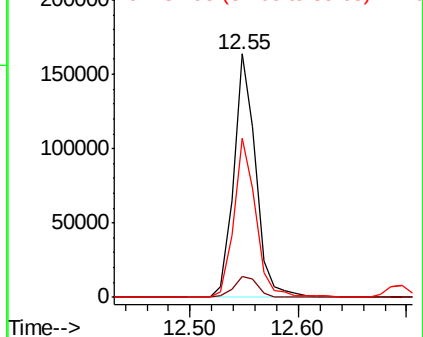
85 65.2 32.0 96.0



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: 19.698 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060372.D

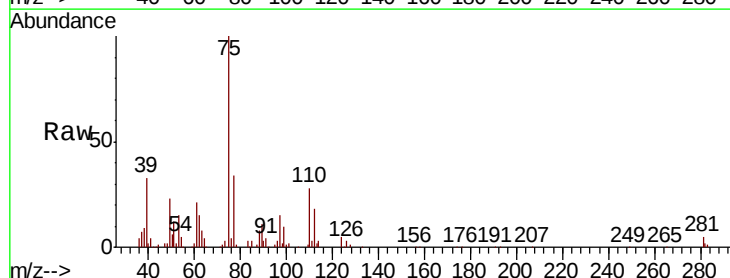
Acq: 14 Nov 2018 11:52

Tgt Ion: 75 Resp: 227516

Ion Ratio Lower Upper

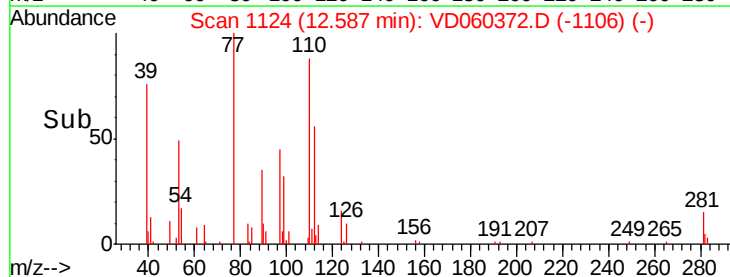
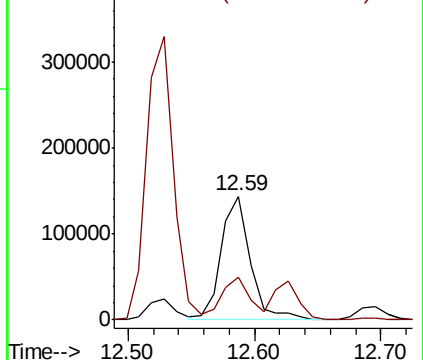
75 100

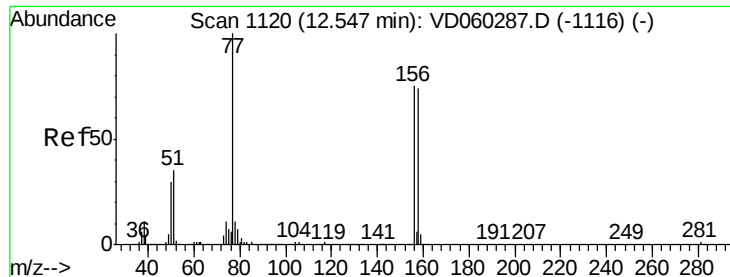
77 34.3 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.635 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

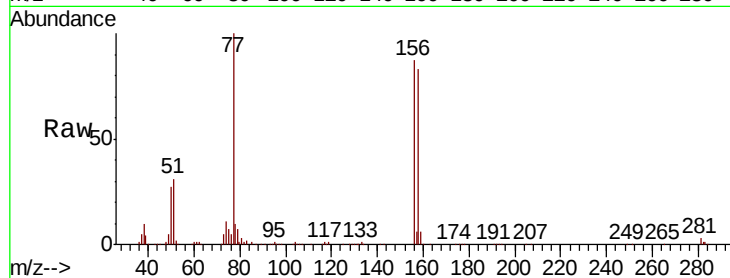
Tot Ion:156 Resp: 385596

Ion Ratio Lower Upper

156 100

77 114.6 61.2 183.6

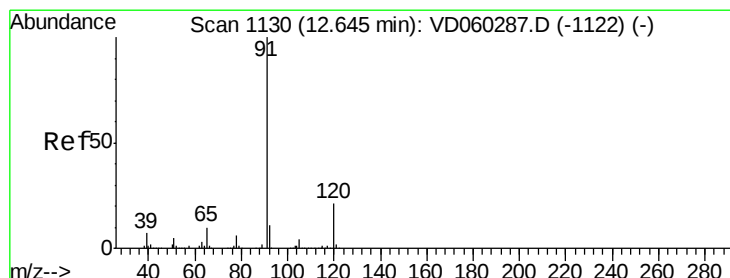
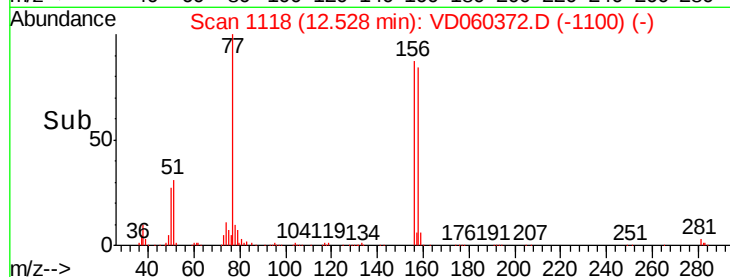
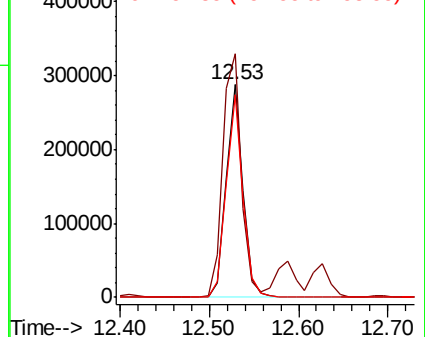
158 95.5 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.209 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060372.D

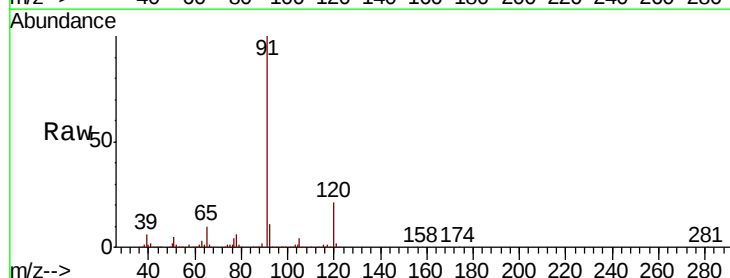
Acq: 14 Nov 2018 11:52

Tgt Ion: 91 Resp: 1774486

Ion Ratio Lower Upper

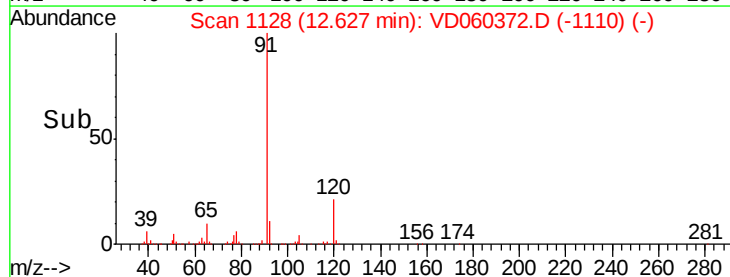
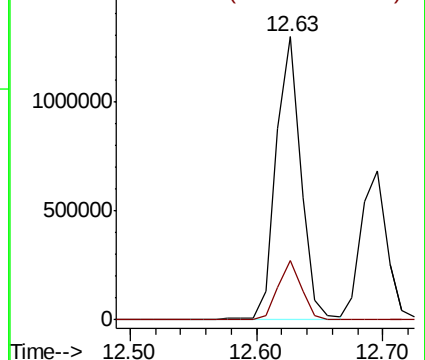
91 100

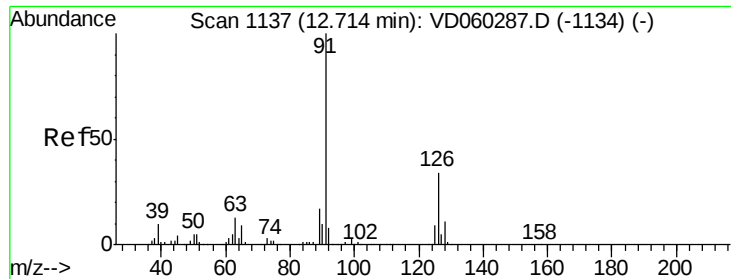
120 21.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.082 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

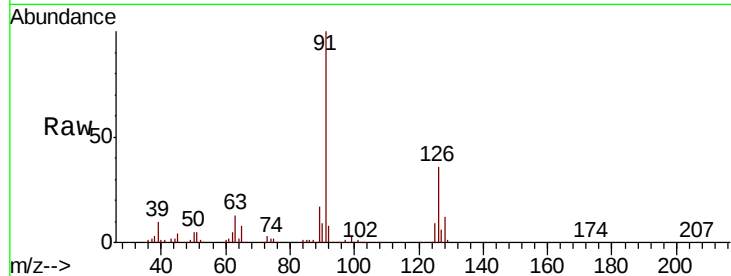
VD1114SBS01

Tot Ion: 91 Resp: 965758

Ion Ratio Lower Upper

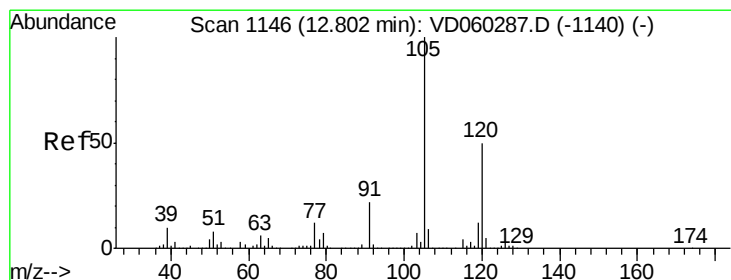
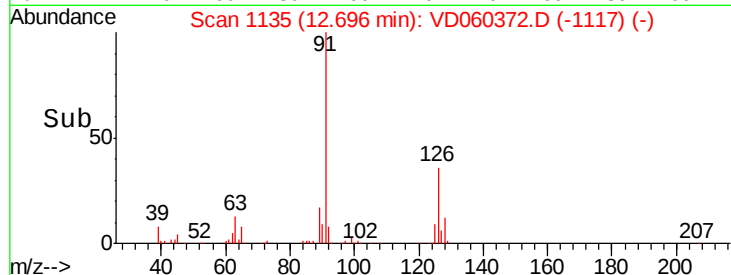
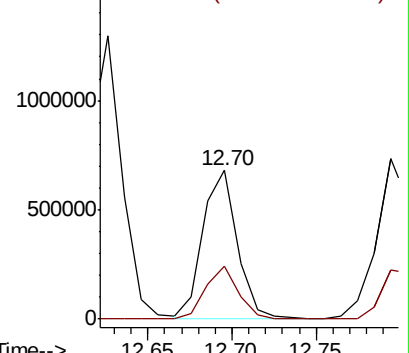
91 100

126 36.0 17.4 52.2



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: 20.657 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060372.D

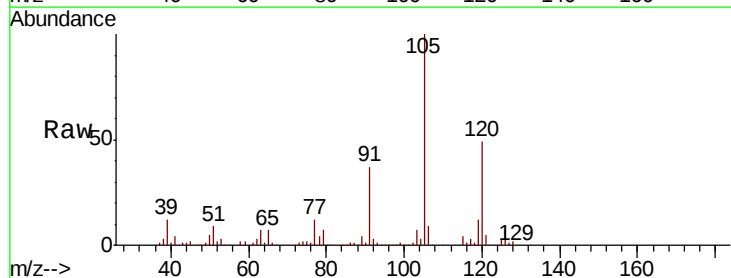
Acq: 14 Nov 2018 11:52

Tgt Ion: 105 Resp: 1129361

Ion Ratio Lower Upper

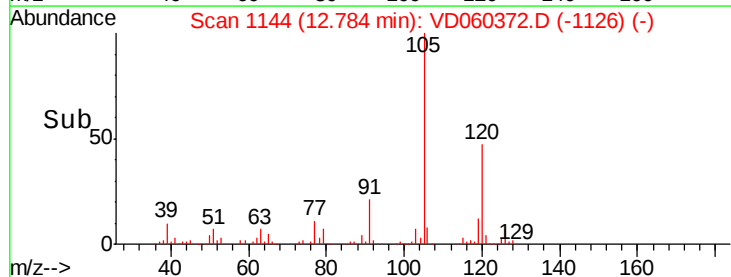
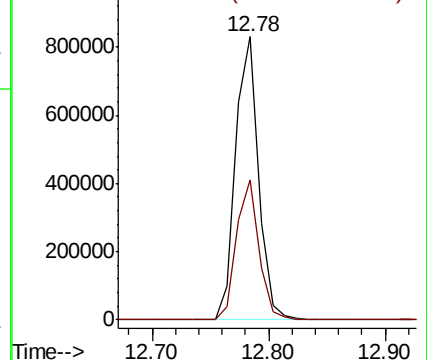
105 100

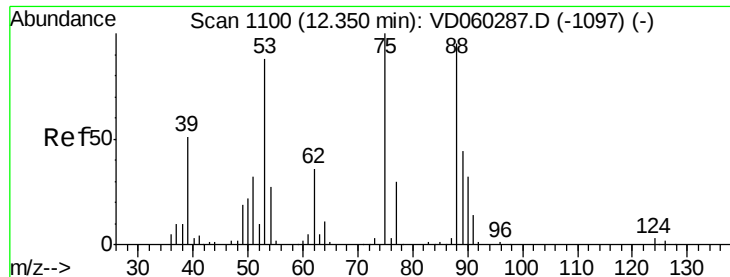
120 49.4 24.4 73.4



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: 19.352 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

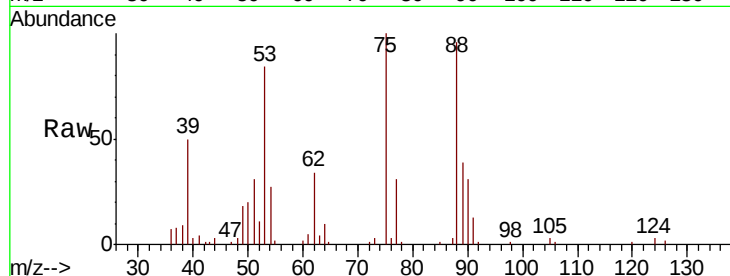
Tot Ion: 75 Resp: 63638

Ion Ratio Lower Upper

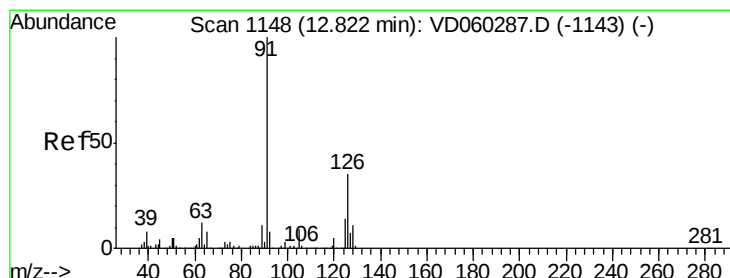
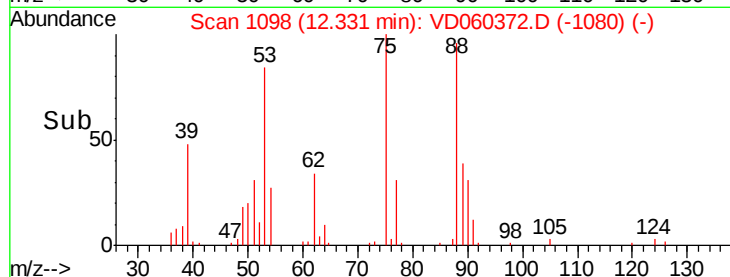
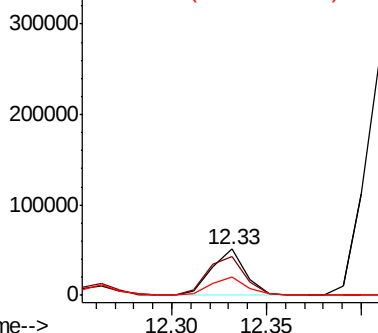
75 100

53 84.0 68.6 103.0

89 39.2 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.529 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.03 min

Lab File: VD060372.D

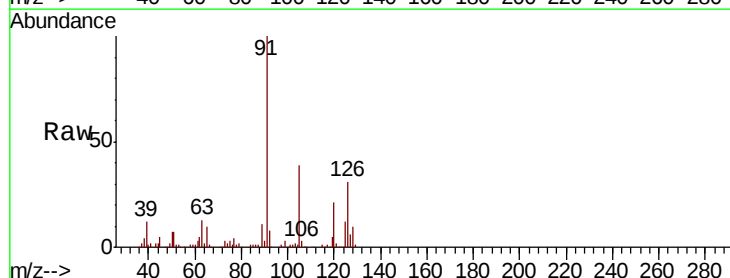
Acq: 14 Nov 2018 11:52

Tgt Ion: 91 Resp: 1109046

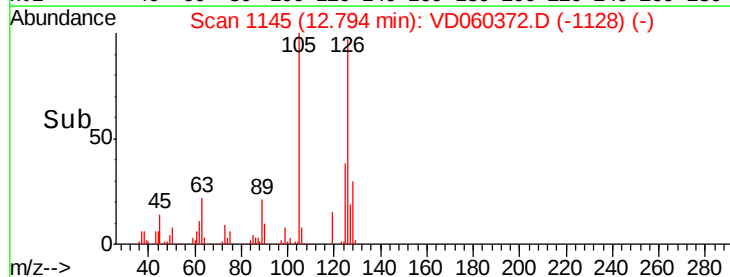
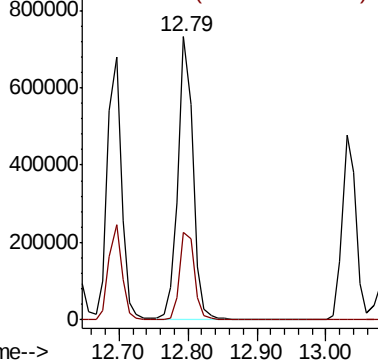
Ion Ratio Lower Upper

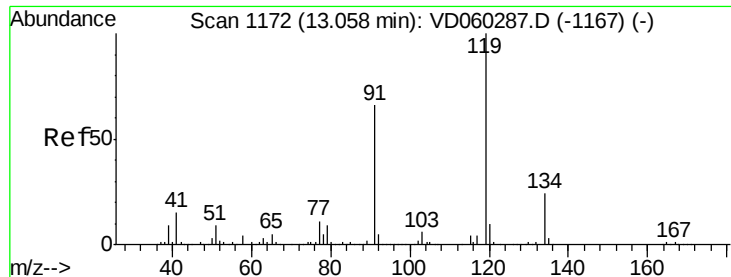
91 100

126 31.1 14.8 44.4



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

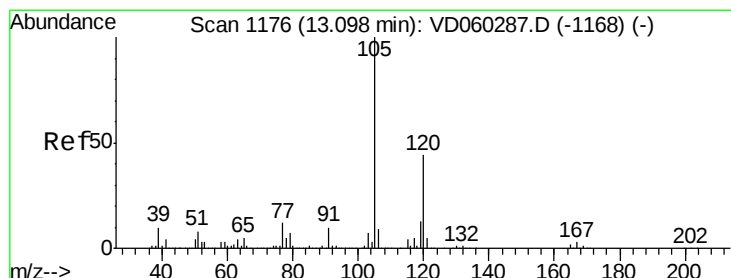
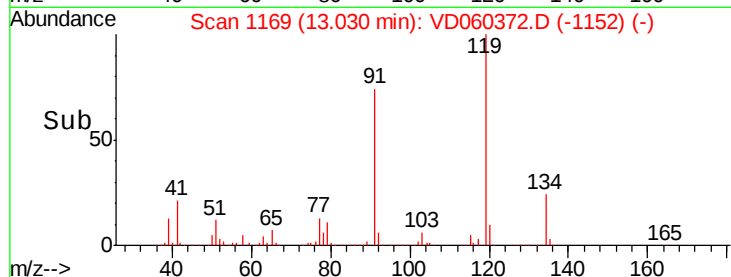
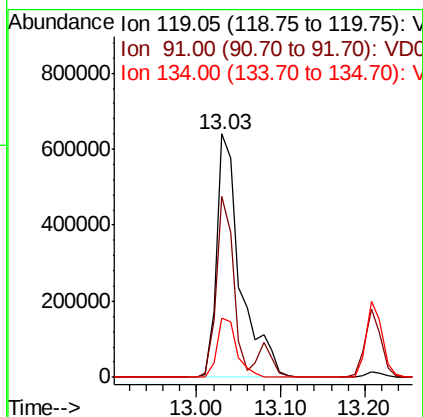
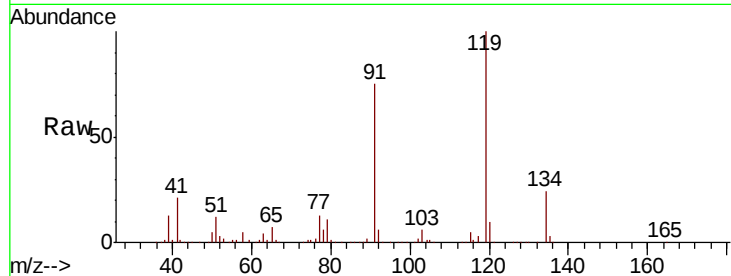




#83
tert-Butylbenzene
Concen: 20.686 ug/l
RT: 13.03 min Scan# 1169
Delta R.T. -0.03 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

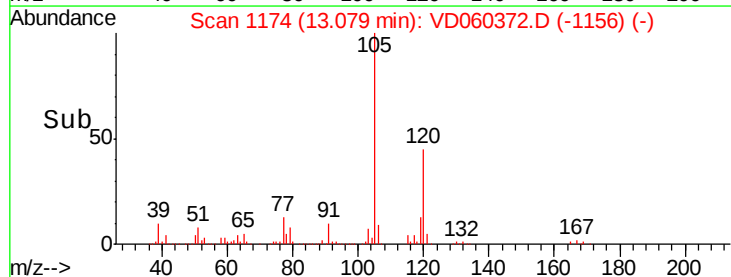
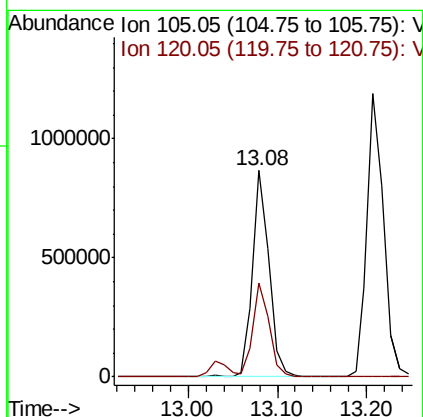
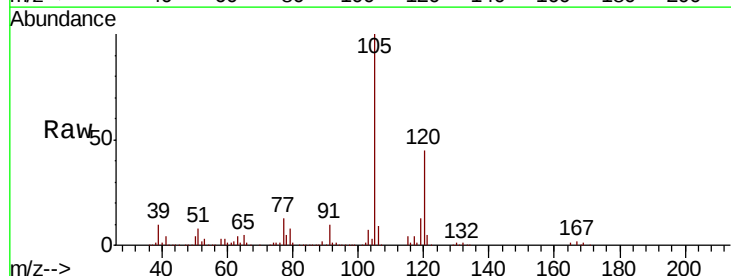
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

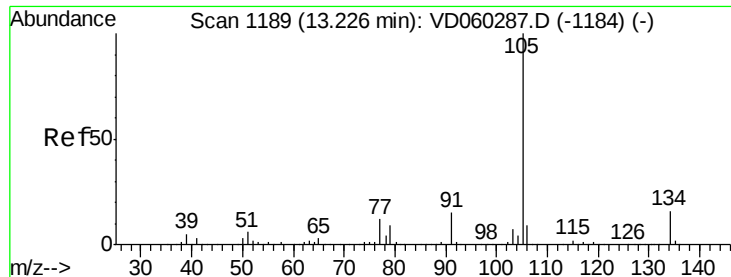
Tot Ion:119 Resp: 1255580
Ion Ratio Lower Upper
119 100
91 74.5 32.7 98.1
134 24.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 20.264 ug/l
RT: 13.08 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion:105 Resp: 1106422
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.693 ug/l

RT: 13.21 min Scan# 1187

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

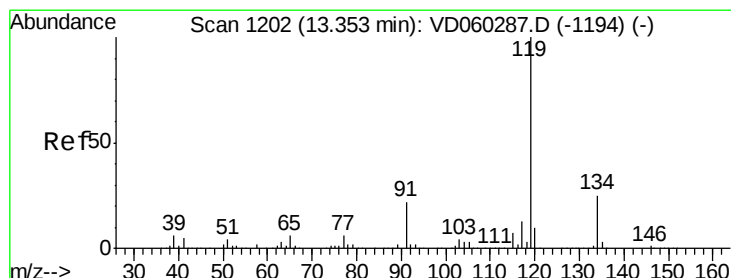
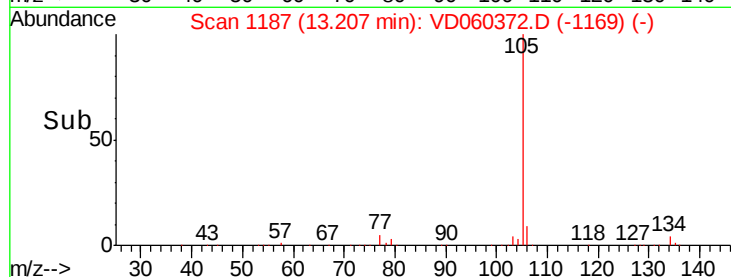
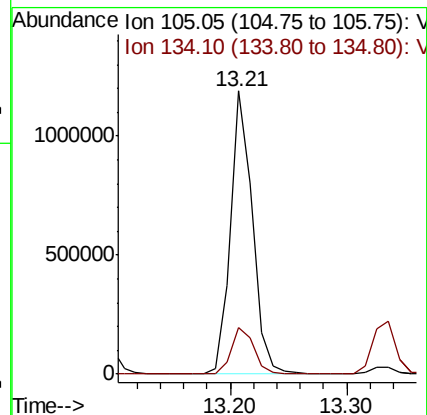
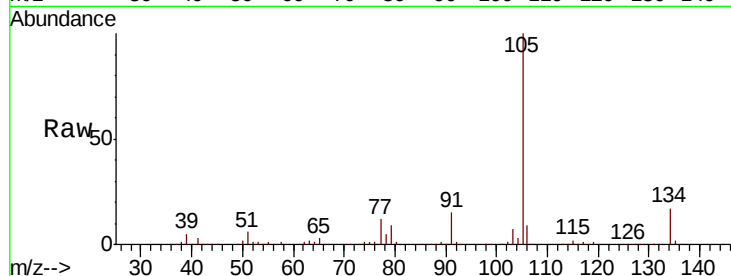
VD1114SBS01

Tot Ion:105 Resp: 1540996

Ion Ratio Lower Upper

105 100

134 16.6 8.0 24.0



#86

p-Isopropyltoluene

Concen: 20.302 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060372.D

Acq: 14 Nov 2018 11:52

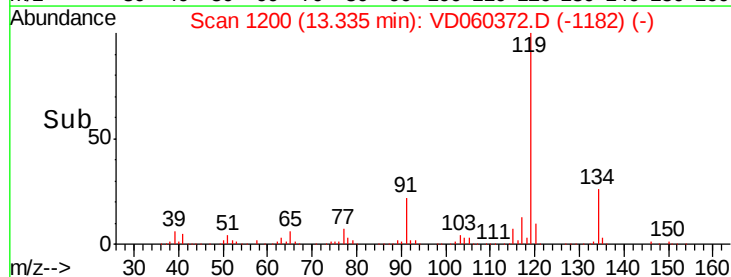
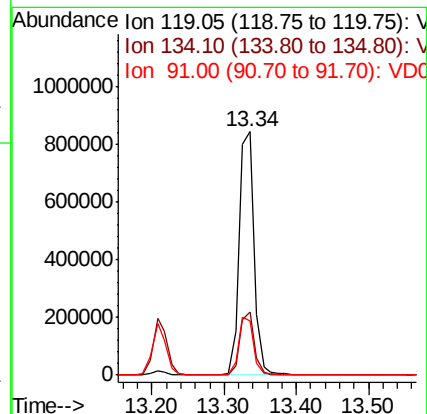
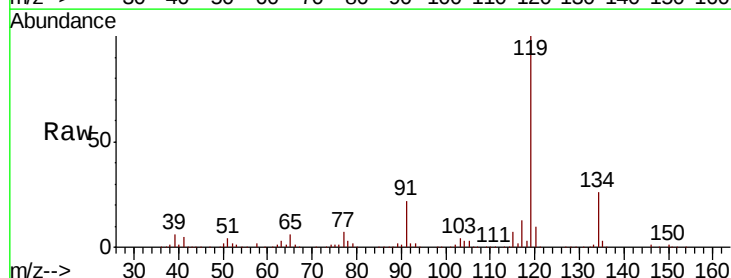
Tgt Ion:119 Resp: 1217486

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

91 22.0 11.3 33.8

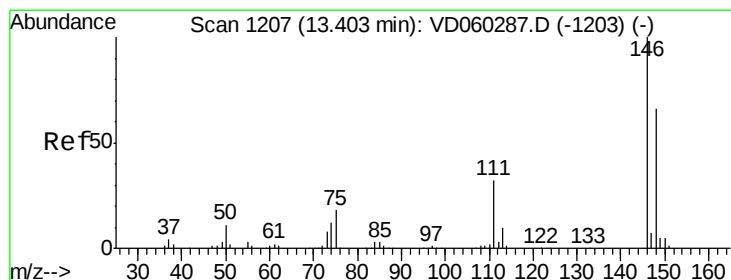
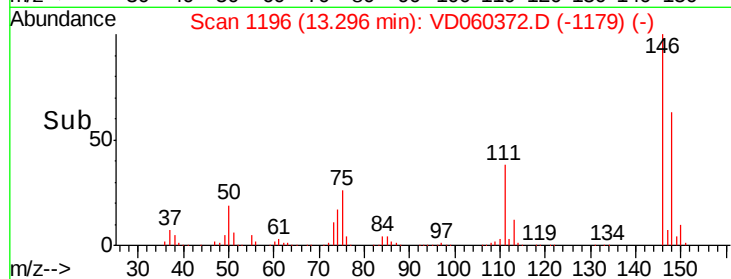
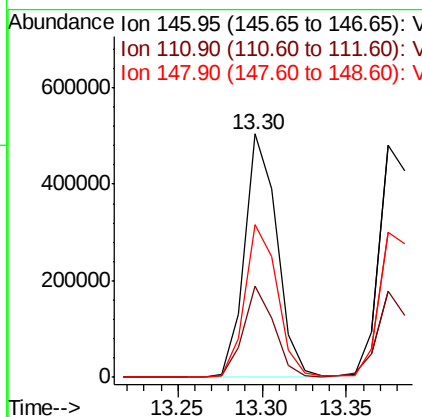
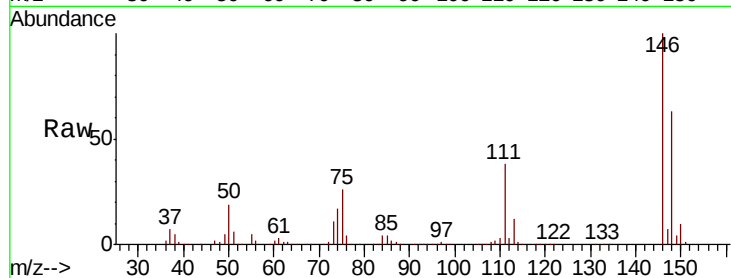




#87
 1,3-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. -0.03 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

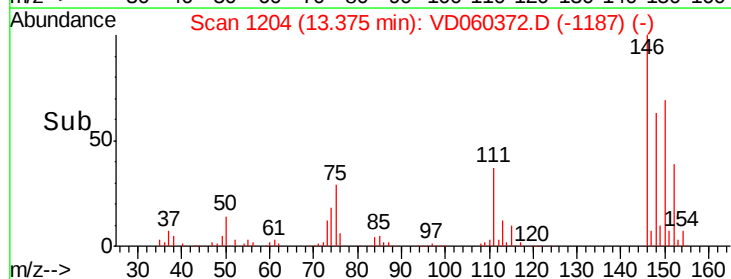
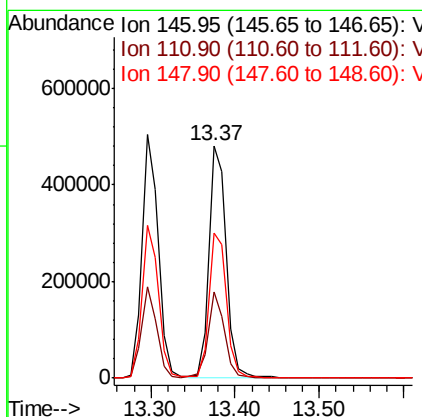
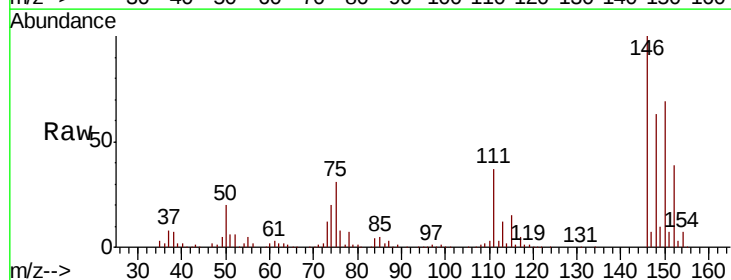
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

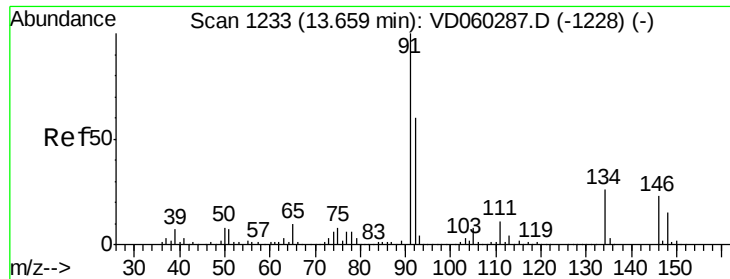
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.2	60.5
148	62.7	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.906 ug/l
 RT: 13.37 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	16.0	47.9
148	62.6	32.9	98.7

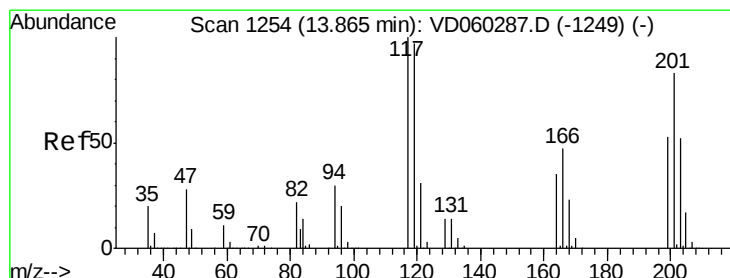
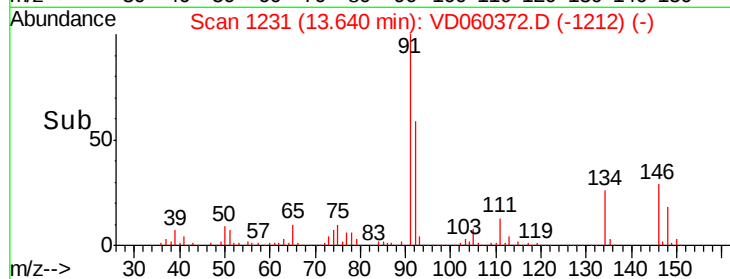
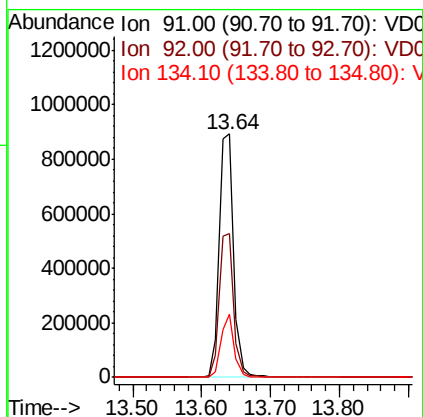
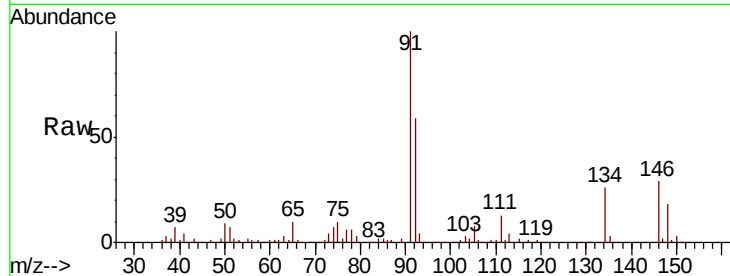




#89
n-Butylbenzene
Concen: 19.553 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

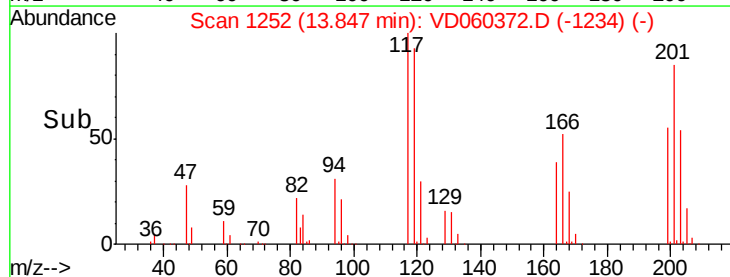
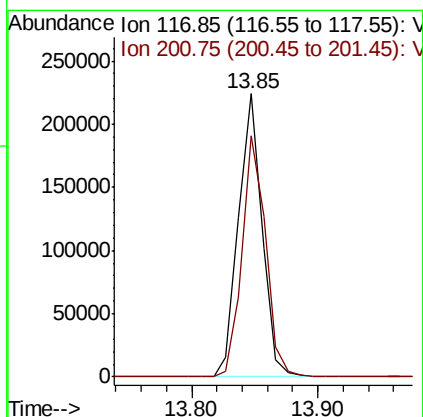
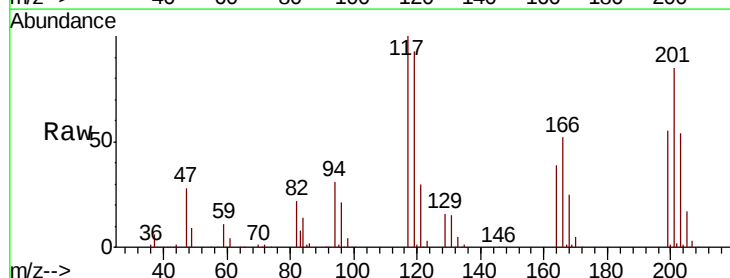
Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

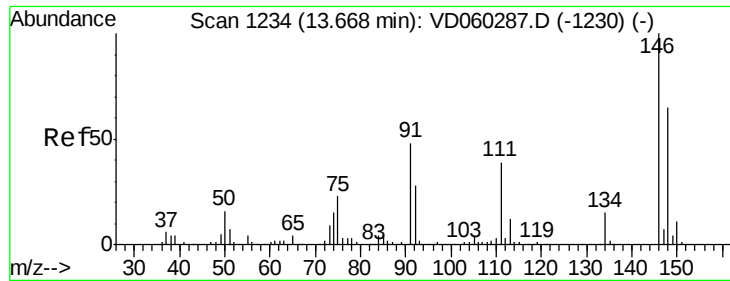
Tot Ion: 91 Resp: 1292894
Ion Ratio Lower Upper
91 100
92 59.2 30.3 90.9
134 26.0 13.0 38.9



#90
Hexachloroethane
Concen: 20.286 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion: 117 Resp: 288468
Ion Ratio Lower Upper
117 100
201 85.3 40.1 120.3

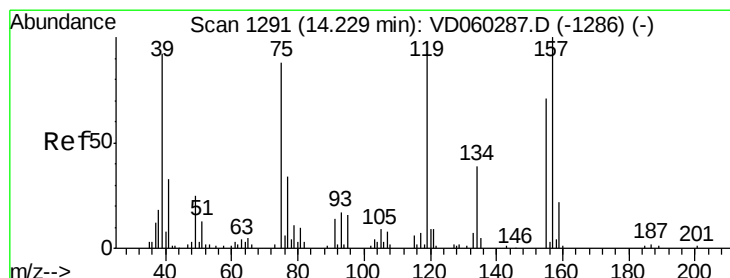
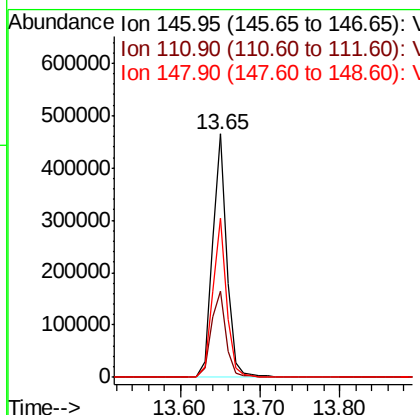
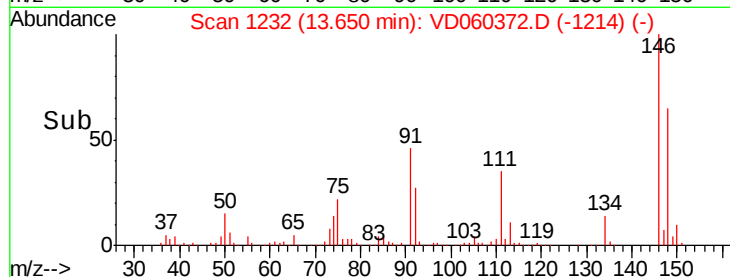
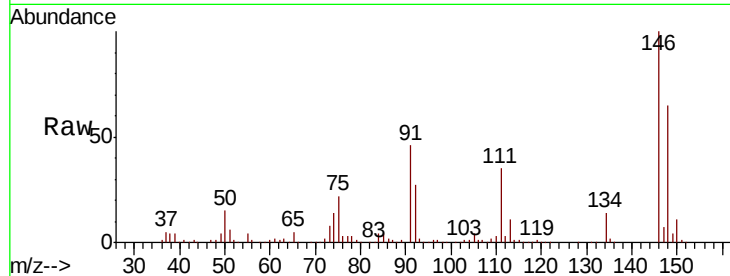




#91
 1,2-Dichlorobenzene
 Concen: 21.300 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

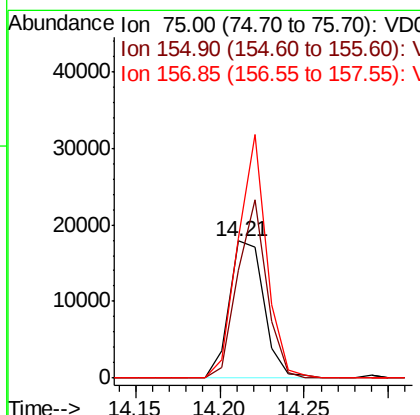
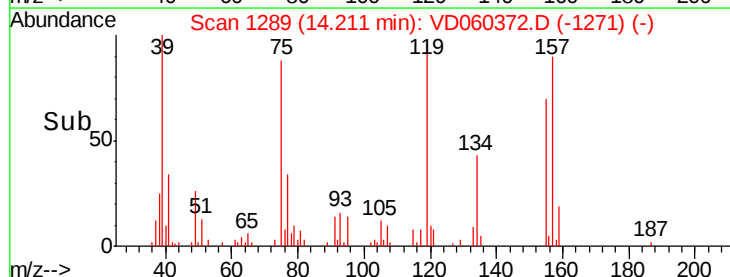
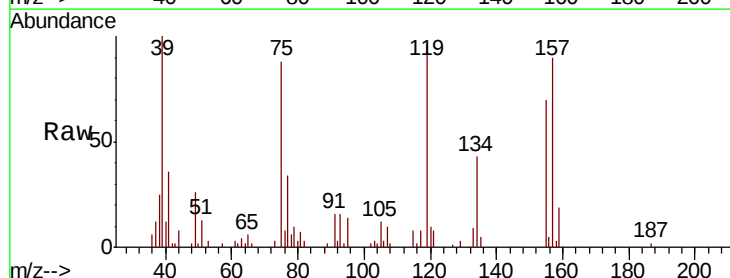
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

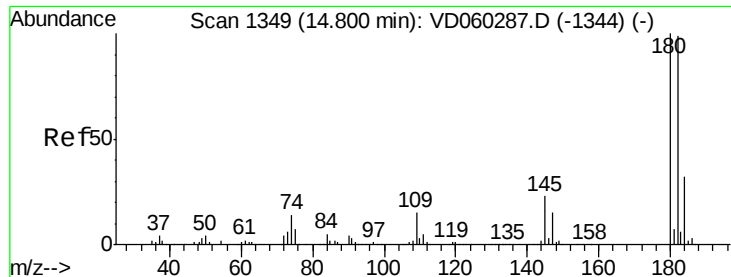
Tot Ion:146 Resp: 581635
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.9 56.9
 148 65.4 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.423 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion: 75 Resp: 25586
 Ion Ratio Lower Upper
 75 100
 155 78.9 64.3 192.9
 157 101.9 81.0 243.1

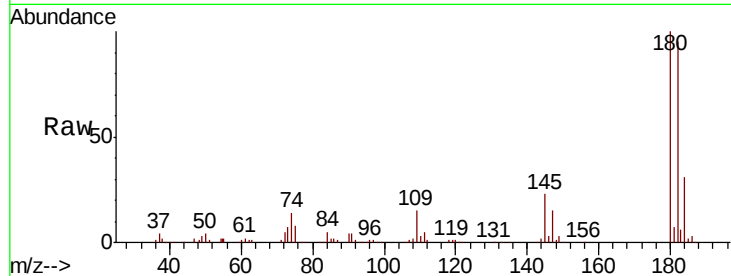




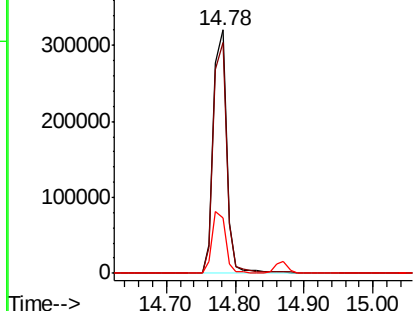
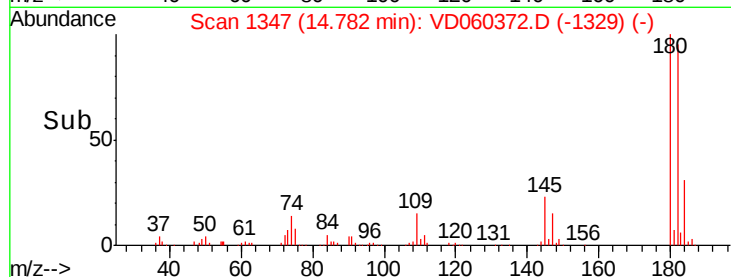
#93
 1,2,4-Trichlorobenzene
 Concen: 20.107 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion:180 Resp: 435338
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.1 144.4
 145 22.6 11.5 34.4

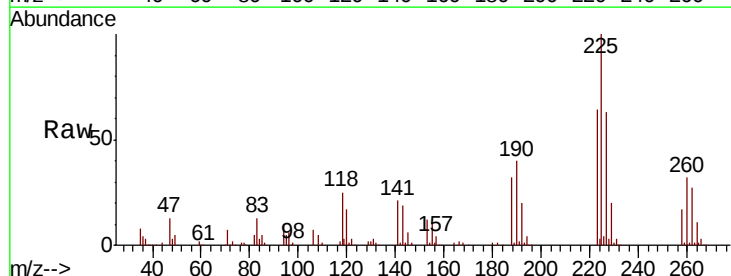


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

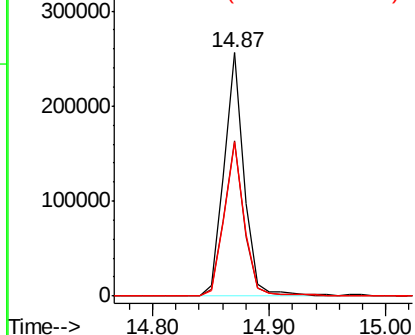
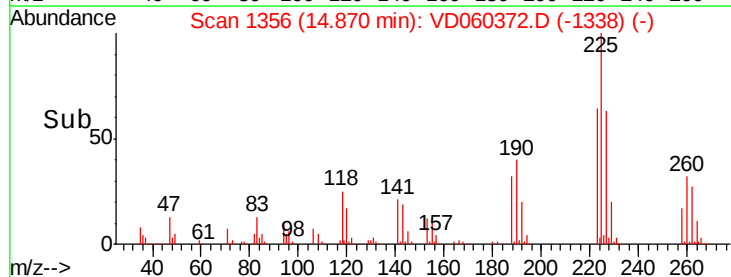


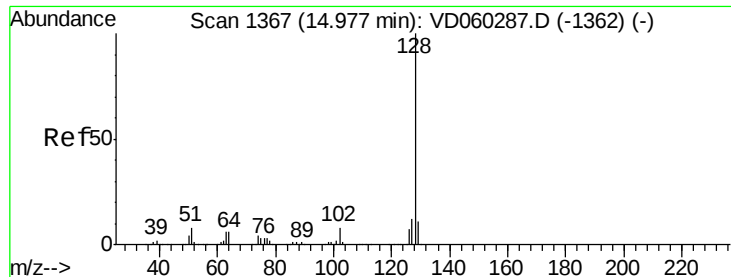
#94
 Hexachlorobutadiene
 Concen: 18.893 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060372.D
 Acq: 14 Nov 2018 11:52

Tgt Ion:225 Resp: 305952
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 94.8
 227 63.5 32.3 96.9



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

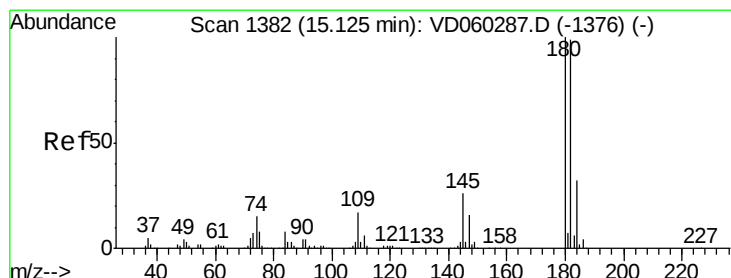
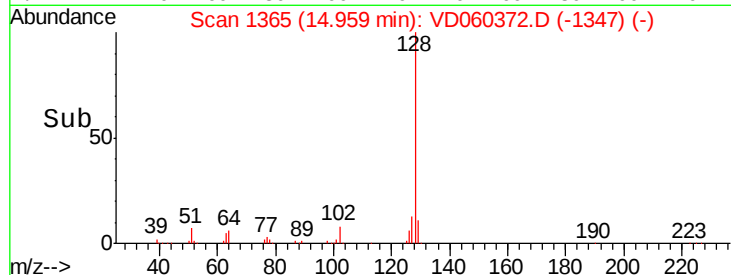
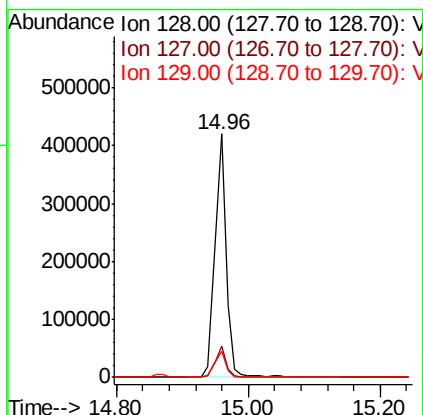
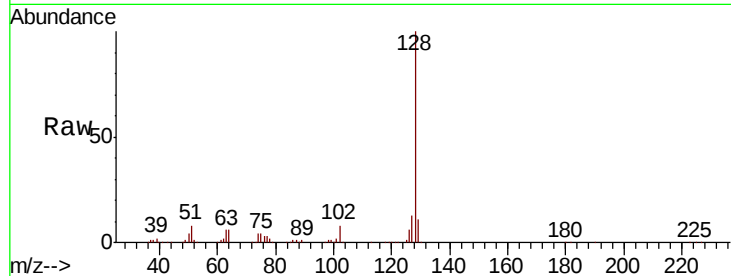




#95
Naphthalene
Concen: 18.902 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion:128 Resp: 499722
Ion Ratio Lower Upper
128 100
127 13.0 9.6 14.4
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.400 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060372.D
Acq: 14 Nov 2018 11:52

Tgt Ion:180 Resp: 336590
Ion Ratio Lower Upper
180 100
182 97.3 48.9 146.7
145 25.5 12.9 38.6

