

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061802.D
 Acq On : 15 Apr 2019 18:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 09:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	689933	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.24	114	1090082	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.39	117	860329	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	381836	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	304413	52.65	ug/l	-0.01
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	6.95	113	450502	54.70	ug/l	-0.02
Spiked Amount			Recovery	=	109.40%	
50) Toluene-d8	10.44	98	1098137	56.28	ug/l	-0.01
Spiked Amount			Recovery	=	112.56%	
62) 4-Bromofluorobenzene	13.57	95	417099	52.74	ug/l	-0.01
Spiked Amount			Recovery	=	105.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	354005	52.570	ug/l	99
3) Chloromethane	1.76	50	272699	50.814	ug/l	100
4) Vinyl Chloride	1.86	62	283445	53.218	ug/l	99
5) Bromomethane	2.17	94	73270	62.383	ug/l	94
6) Chloroethane	2.29	64	112239	61.772	ug/l	100
7) Trichlorofluoromethane	2.55	101	426763	49.404	ug/l	100
8) Diethyl Ether	2.89	74	124351	54.930	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	409912	53.220	ug/l	97
10) Methyl Iodide	3.33	142	610725	49.692	ug/l	99
11) Tert butyl alcohol	4.08	59	87499	256.599	ug/l	99
12) 1,1-Dichloroethene	3.15	96	350653	54.153	ug/l	96
13) Acrolein	3.05	56	78975	239.236	ug/l	95
14) Allyl chloride	3.65	41	505329	57.254	ug/l	98
15) Acrylonitrile	4.23	53	286230	267.375	ug/l	97
16) Acetone	3.24	43	409580	287.401	ug/l	99
17) Carbon Disulfide	3.40	76	1119037	53.487	ug/l	100
18) Methyl Acetate	3.67	43	134341	47.032	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	634158	52.479	ug/l	98
20) Methylene Chloride	3.84	84	381850	54.299	ug/l	100
21) trans-1,2-Dichloroethene	4.26	96	392347	55.135	ug/l	97
22) Diisopropyl ether	5.15	45	955575	50.650	ug/l	96
23) Vinyl Acetate	5.09	43	2707393	268.449	ug/l	99
24) 1,1-Dichloroethane	5.02	63	630339	55.106	ug/l	100
25) 2-Butanone	6.10	43	427129	263.261	ug/l	97
26) 2,2-Dichloropropane	6.06	77	525220	53.122	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	407378	52.809	ug/l	97
28) Bromochloromethane	6.47	49	230661	53.088	ug/l	91
29) Tetrahydrofuran	6.48	42	214930	271.953	ug/l	98
30) Chloroform	6.70	83	647647	50.762	ug/l	98
31) Cyclohexane	6.99	56	466212	53.241	ug/l	100
32) 1,1,1-Trichloroethane	6.90	97	607155	53.684	ug/l	98
36) 1,1-Dichloropropene	7.18	75	491688	55.198	ug/l	98
37) Ethyl Acetate	6.21	43	179034	46.961	ug/l	94
38) Carbon Tetrachloride	7.15	117	666158	59.225	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	509928	55.127	ug/l	99
40) Benzene	7.48	78	1151665	53.853	ug/l	97
41) Methacrylonitrile	6.47	41	241510	53.596	ug/l #	91
42) 1,2-Dichloroethane	7.61	62	392908	52.753	ug/l	99
43) Isopropyl Acetate	9.27	43	282786	52.709	ug/l	98
44) Trichloroethene	8.58	130	443152	53.829	ug/l	96
45) 1,2-Dichloropropane	8.97	63	313741	56.323	ug/l	99
46) Dibromomethane	9.09	93	207052	52.166	ug/l	98
47) Bromodichloromethane	9.40	83	485309	53.000	ug/l	100
48) Methyl methacrylate	9.15	41	168507	53.433	ug/l	97
49) 1,4-Dioxane	9.10	88	36406	1056.182	ug/l	89
51) 4-Methyl-2-Pentanone	10.33	43	864297	263.434	ug/l	99
52) Toluene	10.54	92	696301	50.809	ug/l	96
53) t-1,3-Dichloropropene	10.94	75	436287	52.877	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	489846	50.576	ug/l	99
55) 1,1,2-Trichloroethane	11.22	97	230058	49.819	ug/l	94
56) Ethyl methacrylate	11.07	69	285685	56.367	ug/l	96
57) 1,3-Dichloropropane	11.43	76	382977	55.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	573084	237.724	ug/l	96
59) 2-Hexanone	11.55	43	626981	257.297	ug/l	99
60) Dibromochloromethane	11.71	129	405047	53.606	ug/l	97
61) 1,2-Dibromoethane	11.83	107	278205	48.995	ug/l	99
64) Tetrachloroethene	11.28	164	352118	54.574	ug/l	98
65) Chlorobenzene	12.42	112	875209	54.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	374097	55.716	ug/l	98
67) Ethyl Benzene	12.54	91	1414244	55.118	ug/l	98
68) m/p-Xylenes	12.69	106	993159	103.045	ug/l	96
69) o-Xylene	13.07	106	493100	54.431	ug/l	99
70) Styrene	13.09	104	838944	53.815	ug/l	98
71) Bromoform	13.25	173	219550	55.087	ug/l #	97
73) Isopropylbenzene	13.42	105	1393984	56.292	ug/l	98
74) N-amyl acetate	13.28	43	360439	54.128	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	271555	55.477	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	281412	56.119	ug/l	99
77) Bromobenzene	13.69	156	401670	57.101	ug/l	96
78) n-propylbenzene	13.79	91	1504352	52.581	ug/l	100
79) 2-Chlorotoluene	13.85	91	911168	54.517	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	1013197	51.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.49	75	83854	51.486	ug/l	97
82) 4-Chlorotoluene	13.96	91	1016785	53.150	ug/l	95
83) tert-Butylbenzene	14.21	119	1330507	57.669	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	1118695	56.640	ug/l	97
85) sec-Butylbenzene	14.39	105	1337186	56.066	ug/l	96
86) p-Isopropyltoluene	14.50	119	1188116	53.242	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	698636	56.891	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	663049	54.621	ug/l	96
89) n-Butylbenzene	14.81	91	1109732	56.180	ug/l	96
90) Hexachloroethane	15.03	117	347711	57.168	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	564006	54.830	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	38042	54.064	ug/l	77

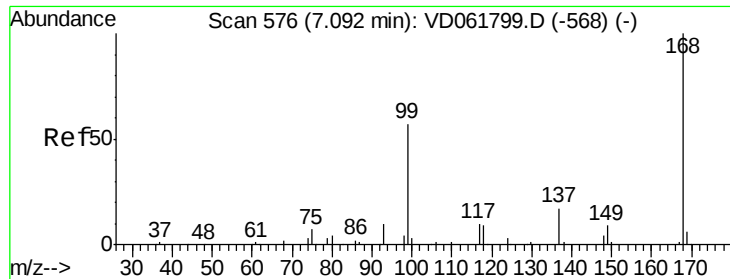
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	317235	56.151	ug/l	96
94) Hexachlorobutadiene	16.05	225	234825	57.355	ug/l	99
95) Naphthalene	16.14	128	462351	53.393	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	168113	52.216	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

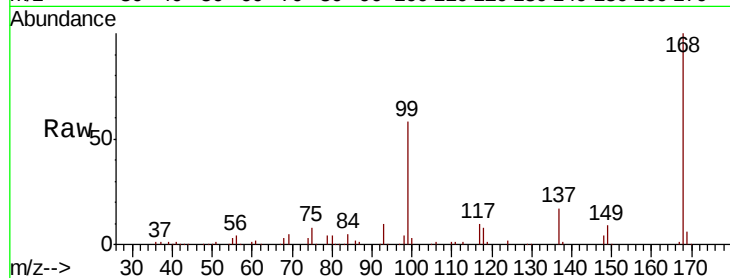
ClientSampleId :

Tot Ion:168 Resp: 689933

Ion Ratio Lower Upper

168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

250000

200000

150000

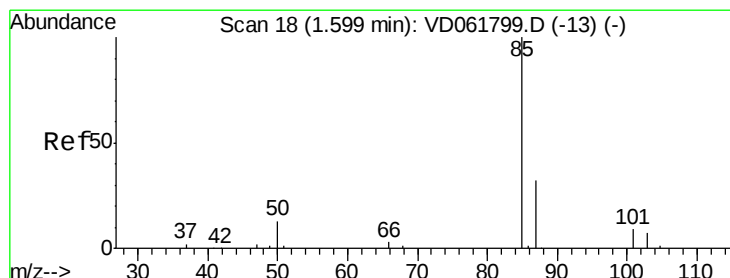
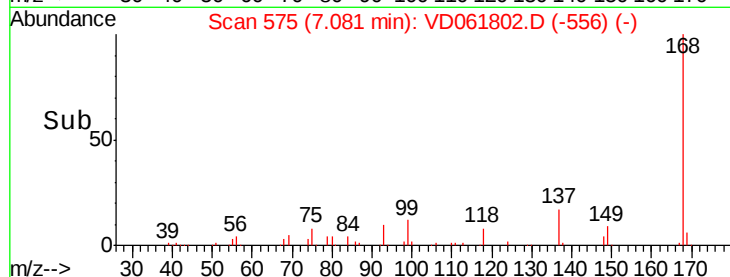
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 52.570 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061802.D

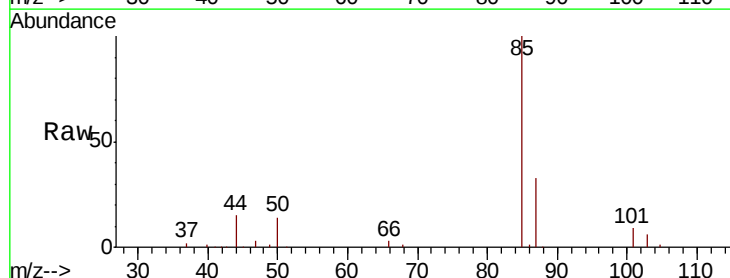
Acq: 15 Apr 2019 18:42

Tgt Ion: 85 Resp: 354005

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

150000

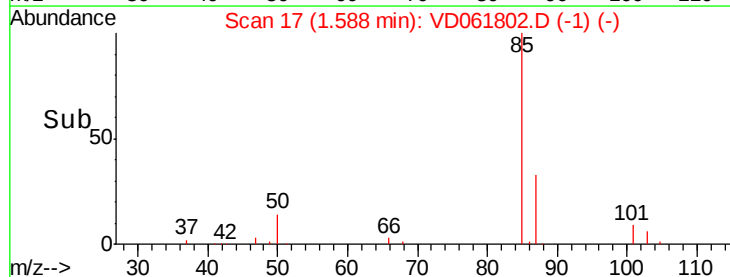
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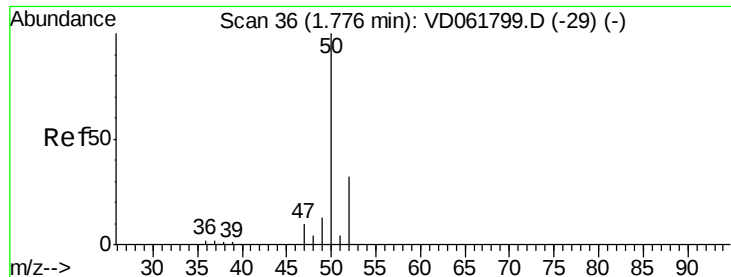
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 50.814 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

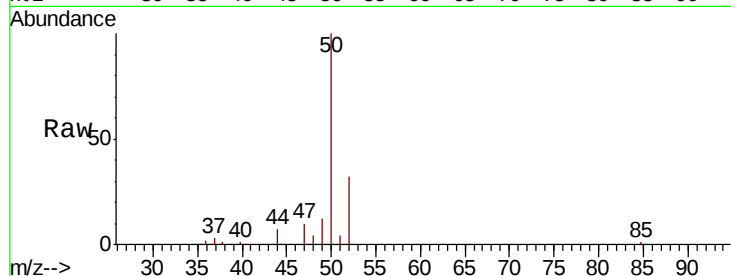
ClientSampleId :

Tot Ion: 50 Resp: 272699

Ion Ratio Lower Upper

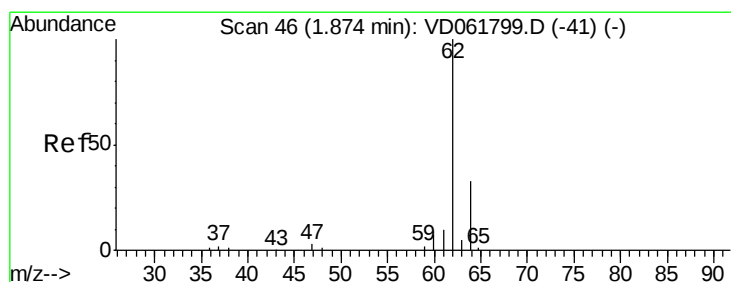
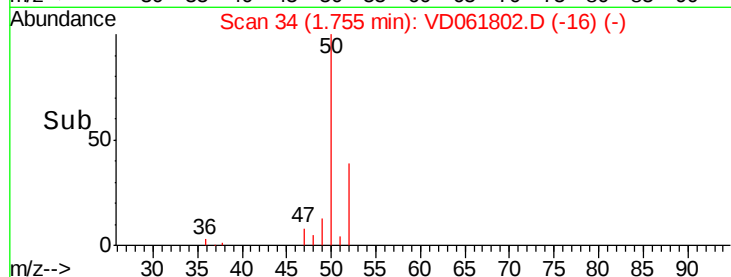
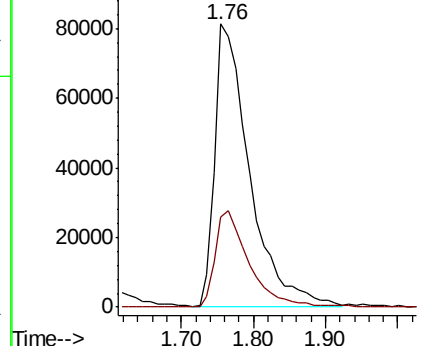
50 100

52 31.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.218 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061802.D

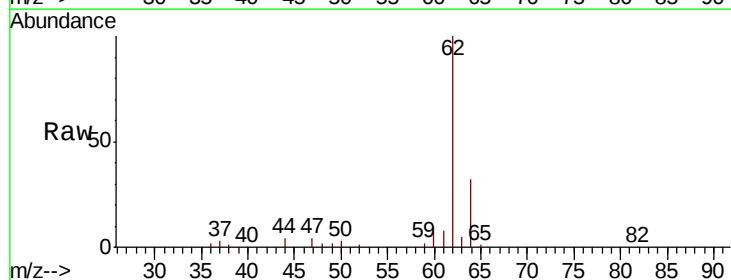
Acq: 15 Apr 2019 18:42

Tgt Ion: 62 Resp: 283445

Ion Ratio Lower Upper

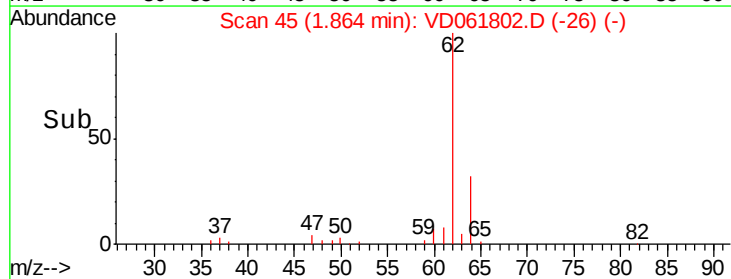
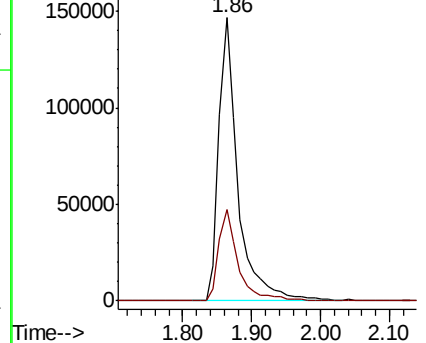
62 100

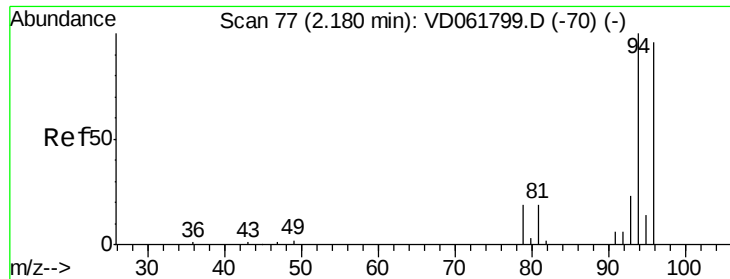
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.383 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

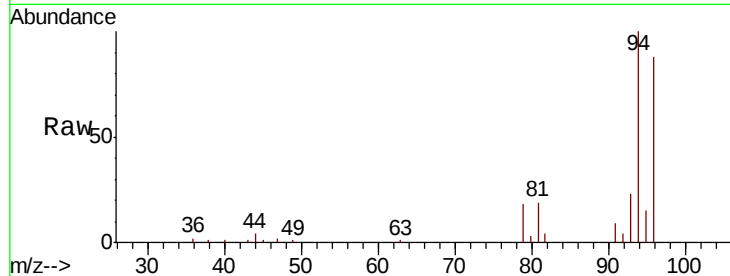
Tot Ion: 94 Resp: 73270

Ion Ratio Lower Upper

94 100

96 88.3 76.6 115.0

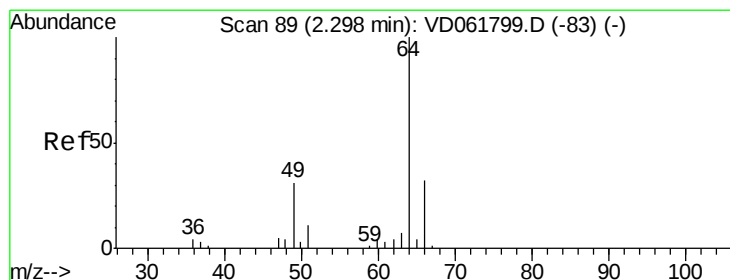
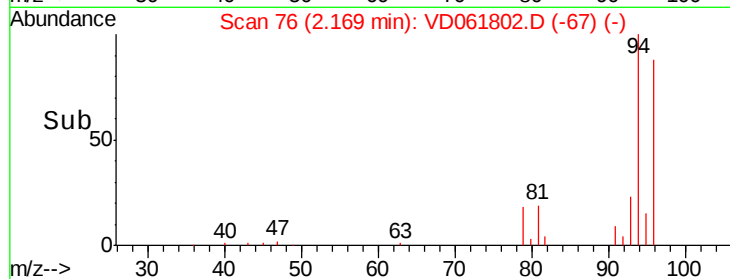
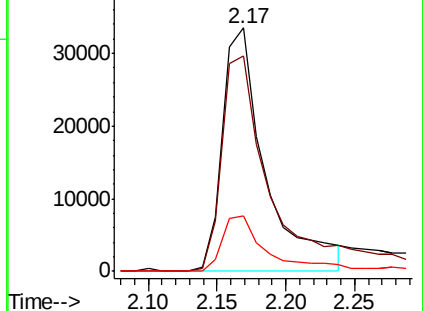
93 22.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 61.772 ug/l

RT: 2.29 min Scan# 88

Delta R.T. -0.01 min

Lab File: VD061802.D

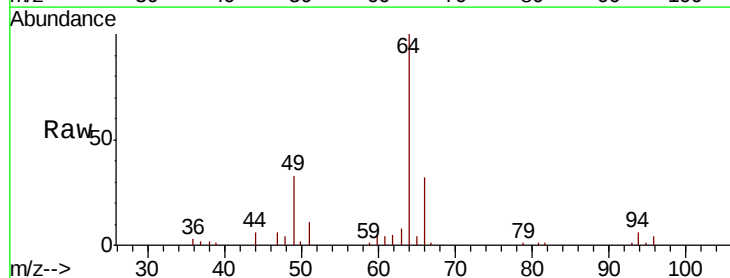
Acq: 15 Apr 2019 18:42

Tgt Ion: 64 Resp: 112239

Ion Ratio Lower Upper

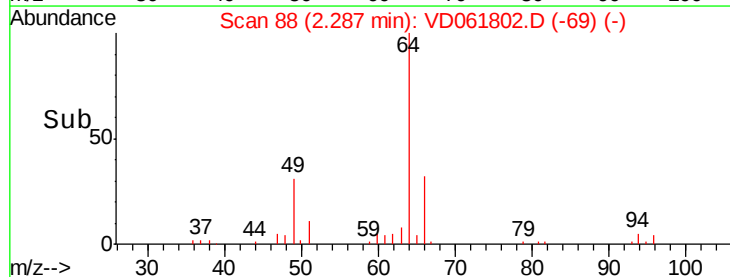
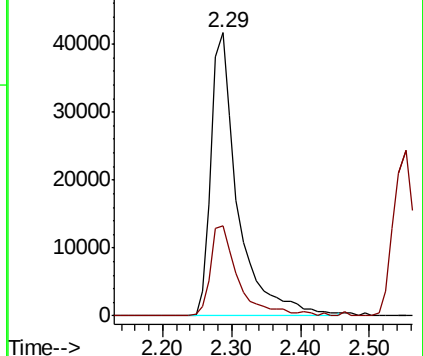
64 100

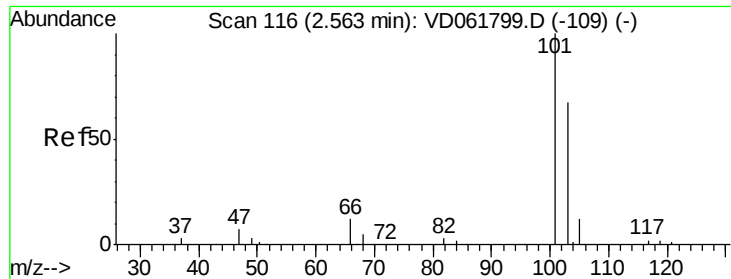
66 31.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



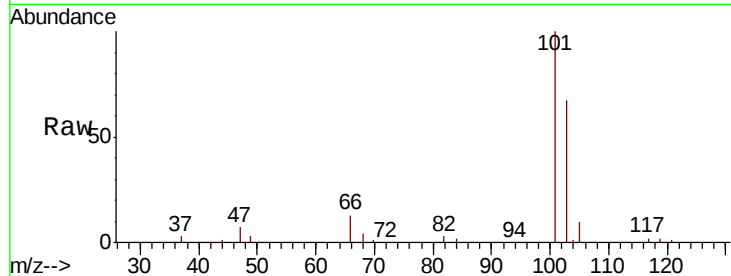


#7

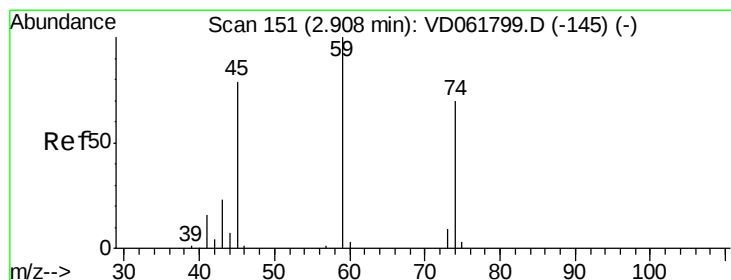
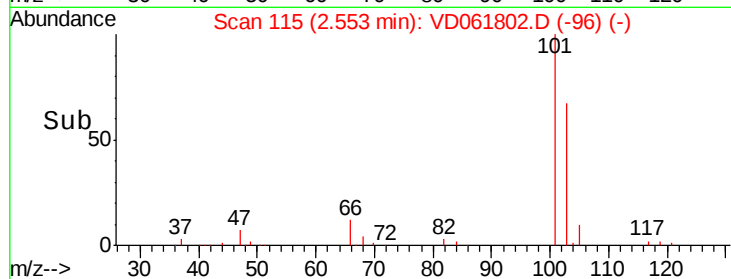
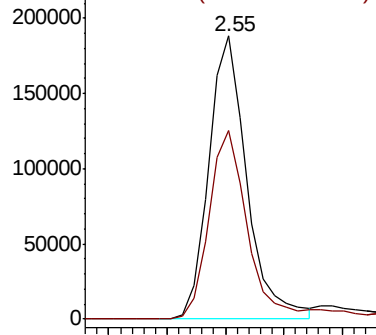
Trichlorofluoromethane
Concen: 49.404 ug/l
RT: 2.55 min Scan# 115
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 426763
Ion Ratio Lower Upper
101 100
103 66.6 53.6 80.4



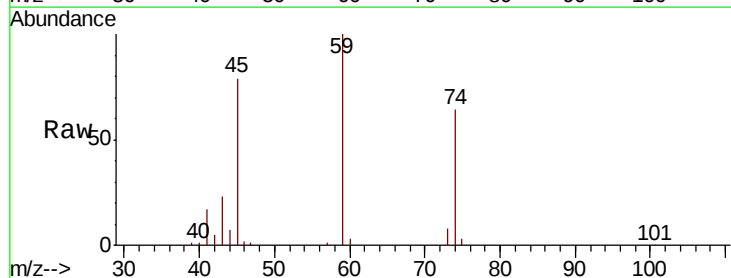
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



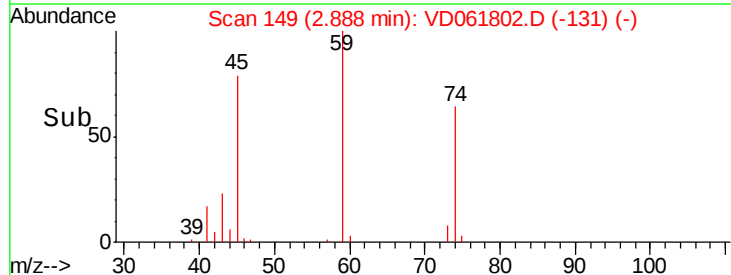
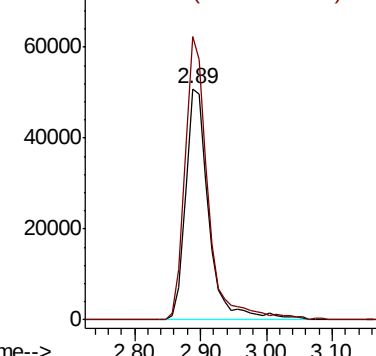
#8

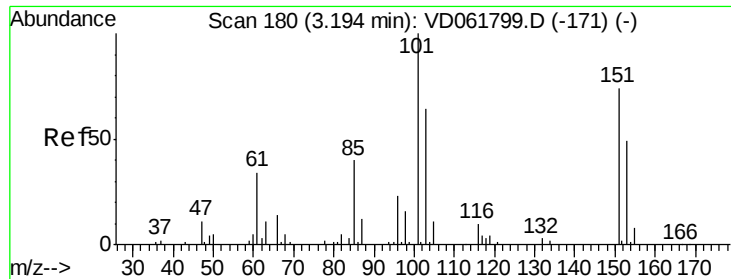
Diethyl Ether
Concen: 54.930 ug/l
RT: 2.89 min Scan# 149
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 74 Resp: 124351
Ion Ratio Lower Upper
74 100
45 122.4 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.220 ug/l

RT: 3.17 min Scan# 178

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampled :

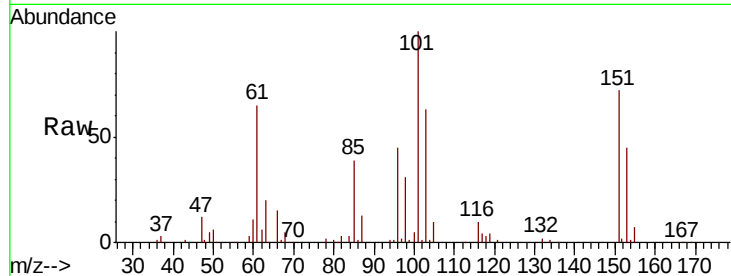
Tot Ion:101 Resp: 409912

Ion Ratio Lower Upper

101 100

85 38.7 32.4 48.6

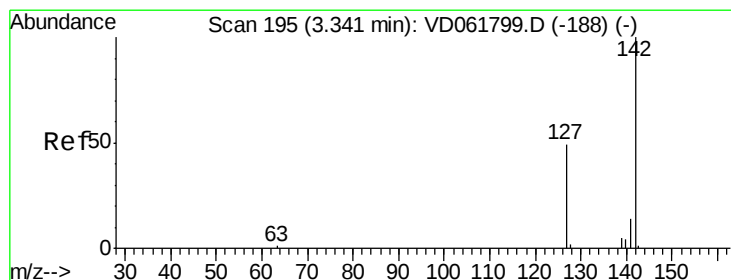
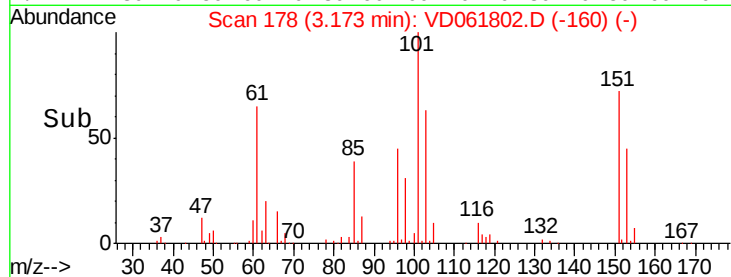
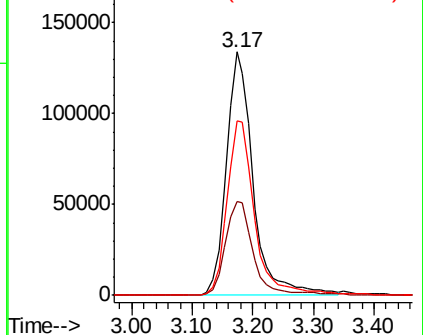
151 71.6 59.4 89.0



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: 49.692 ug/l

RT: 3.33 min Scan# 194

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

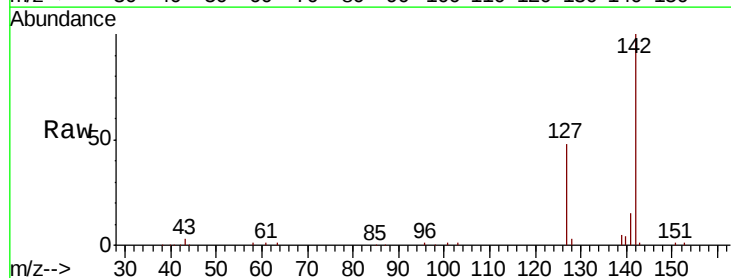
Tgt Ion:142 Resp: 610725

Ion Ratio Lower Upper

142 100

127 48.1 38.8 58.2

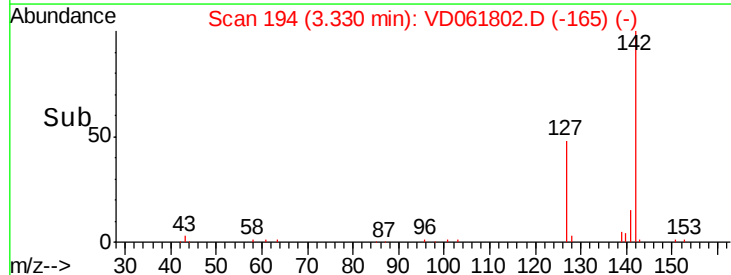
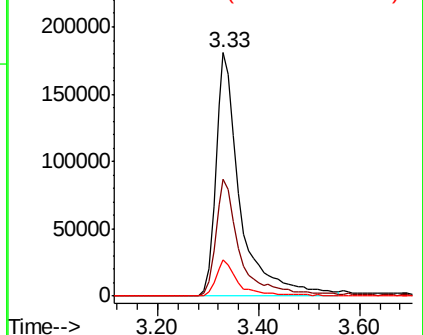
141 14.7 11.4 17.0

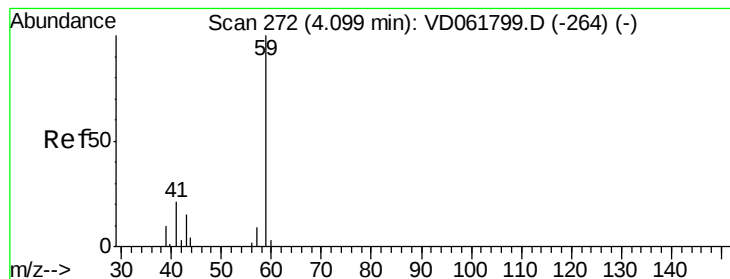


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



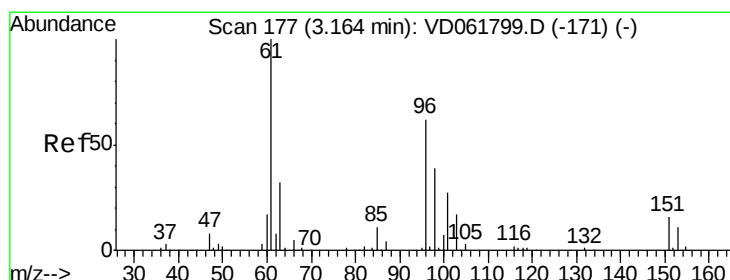
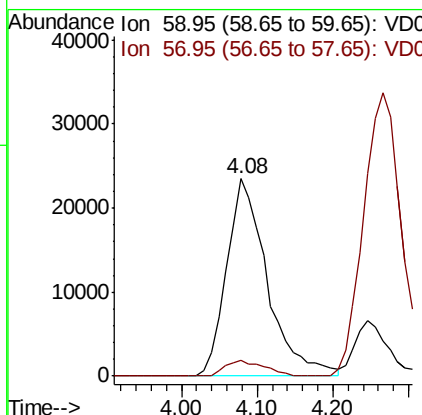
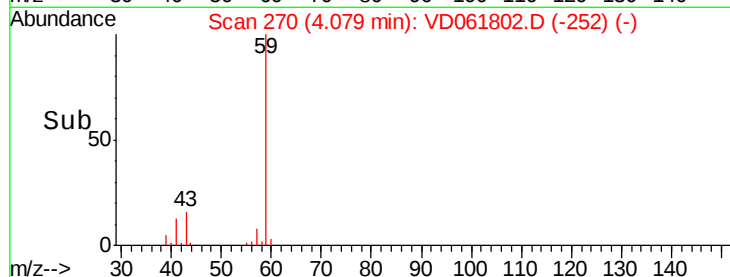
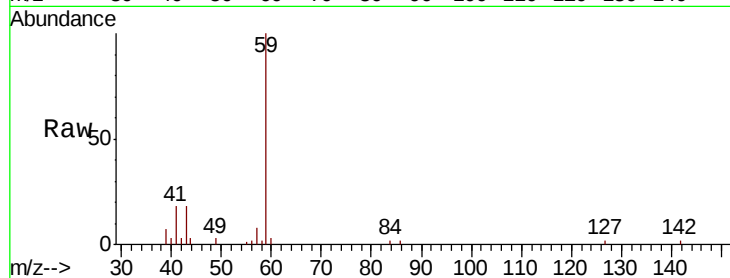


#11

Tert butyl alcohol
Concen: 256.599 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

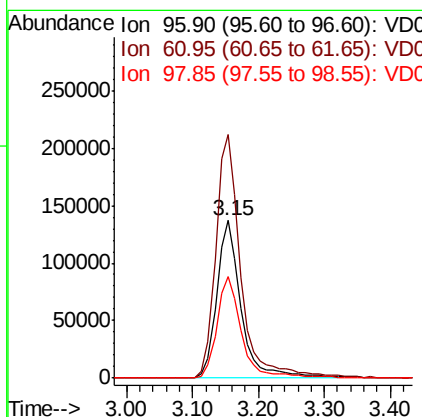
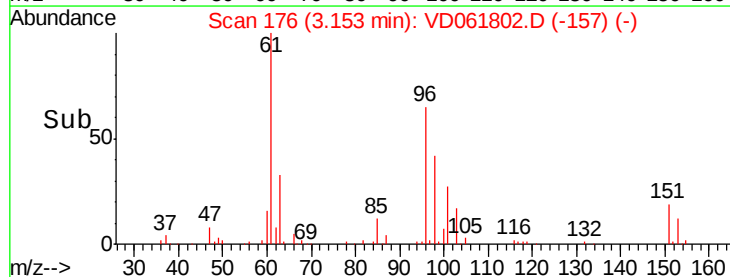
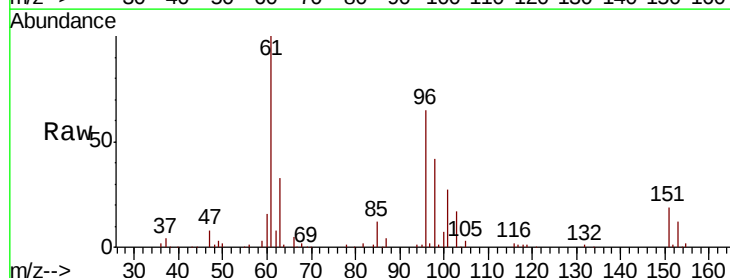
Tot Ion: 59 Resp: 87499
Ion Ratio Lower Upper
59 100
57 8.2 6.9 10.3

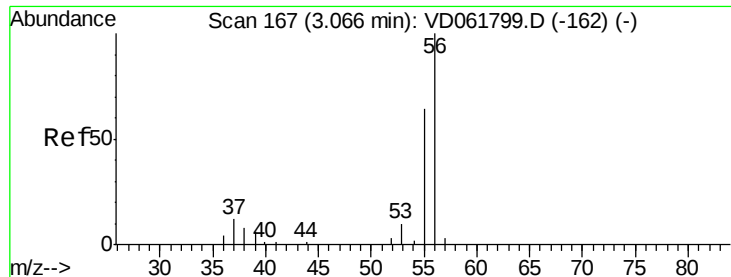


#12

1,1-Dichloroethene
Concen: 54.153 ug/l
RT: 3.15 min Scan# 176
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 96 Resp: 350653
Ion Ratio Lower Upper
96 100
61 154.6 129.8 194.8
98 64.2 51.2 76.8





#13

Acrolein

Concen: 239.236 ug/l

RT: 3.05 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

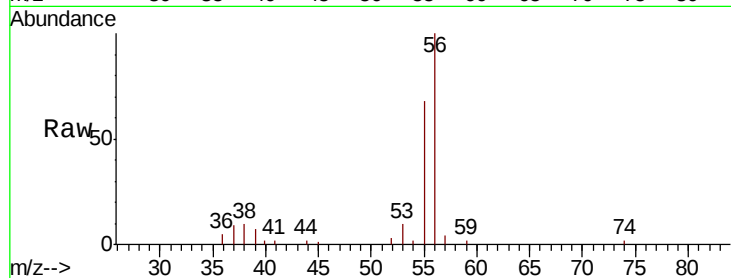
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 78975

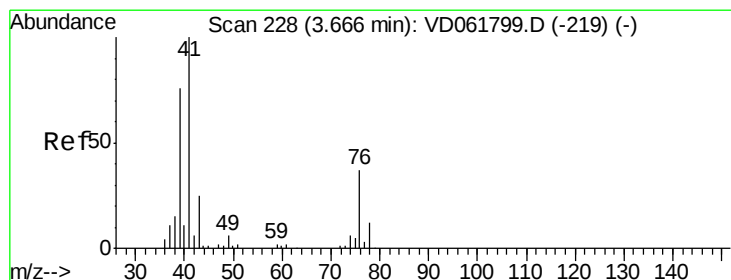
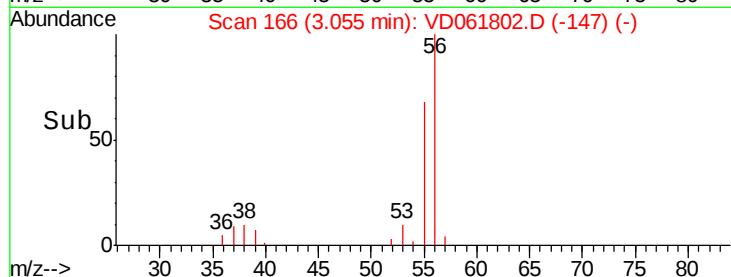
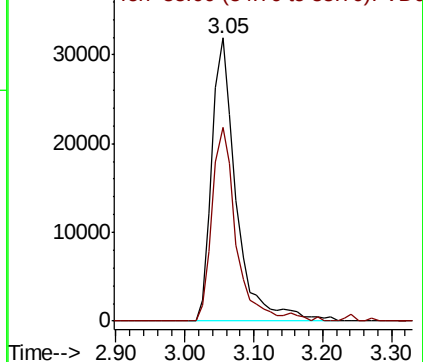
Ion Ratio Lower Upper

56 100

55 68.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 57.254 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

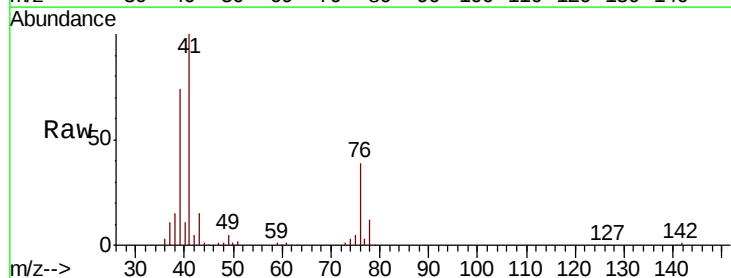
Tgt Ion: 41 Resp: 505329

Ion Ratio Lower Upper

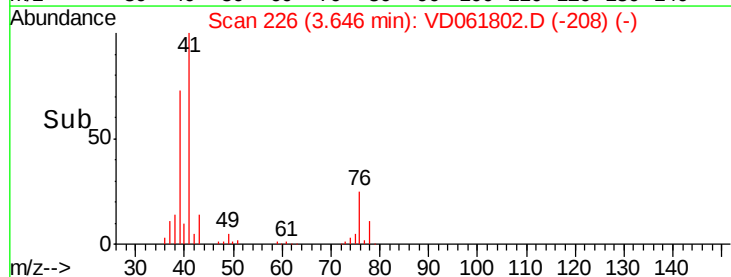
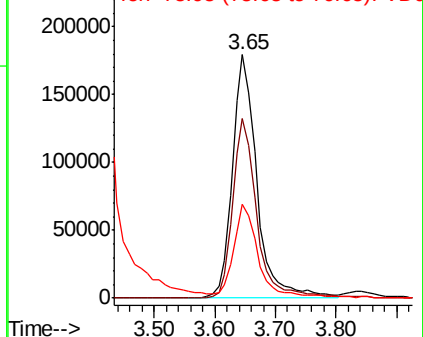
41 100

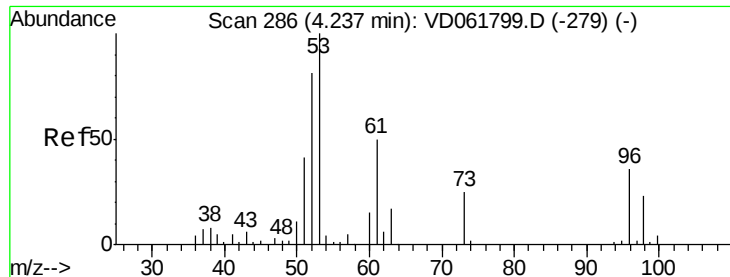
39 73.5 60.5 90.7

76 38.6 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.375 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampled :

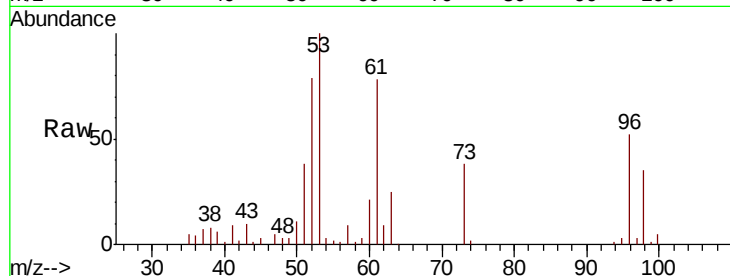
Tot Ion: 53 Resp: 286230

Ion Ratio Lower Upper

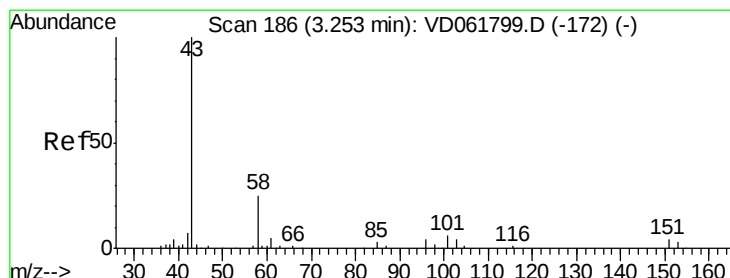
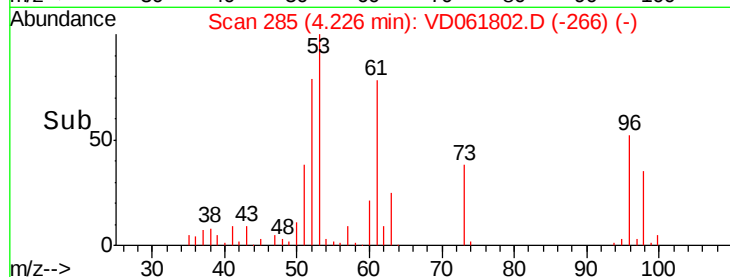
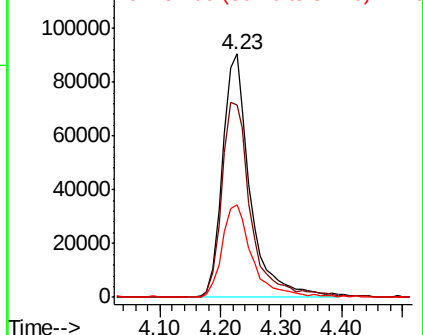
53 100

52 79.0 65.0 97.4

51 38.3 32.6 48.8



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: 287.401 ug/l

RT: 3.24 min Scan# 185

Delta R.T. -0.01 min

Lab File: VD061802.D

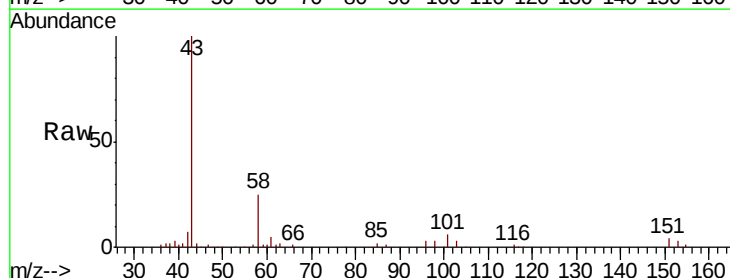
Acq: 15 Apr 2019 18:42

Tgt Ion: 43 Resp: 409580

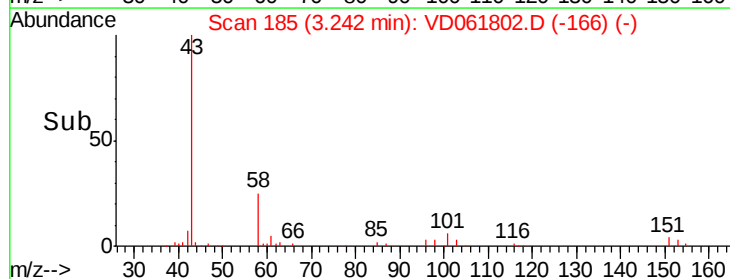
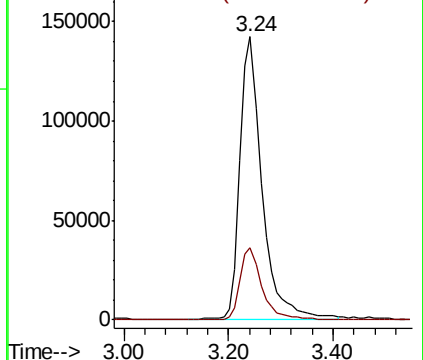
Ion Ratio Lower Upper

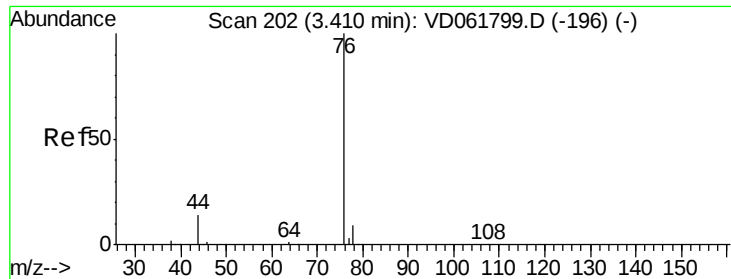
43 100

58 25.5 19.9 29.9



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

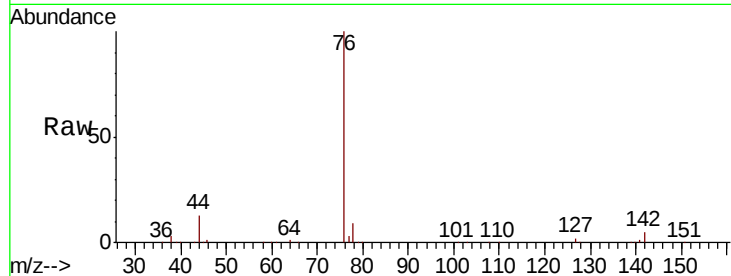




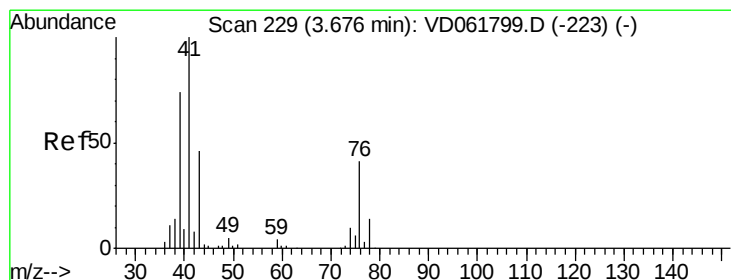
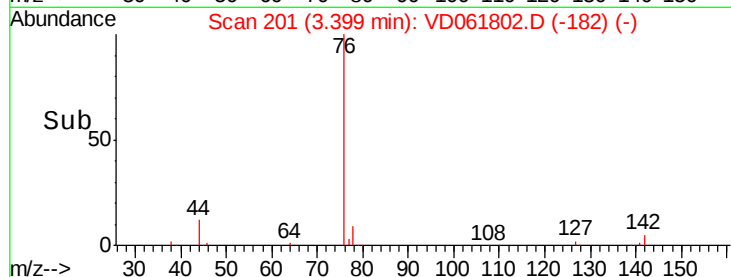
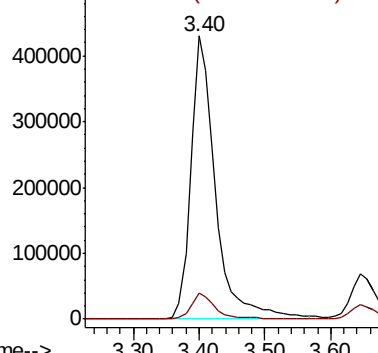
#17
Carbon Disulfide
Concen: 53.487 ug/l
RT: 3.40 min Scan# 201
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1119037
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

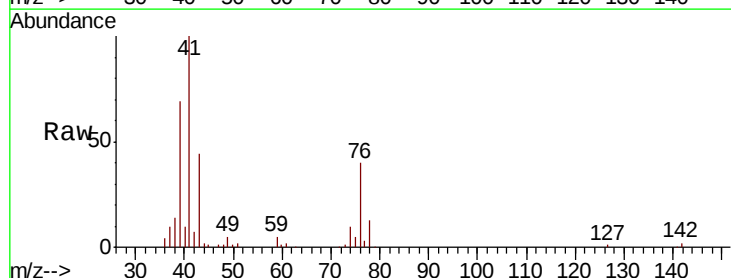


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

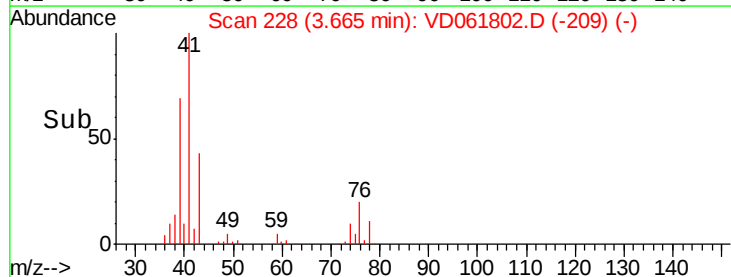
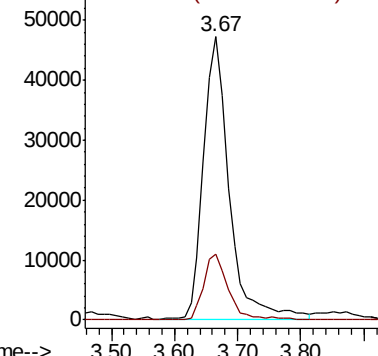


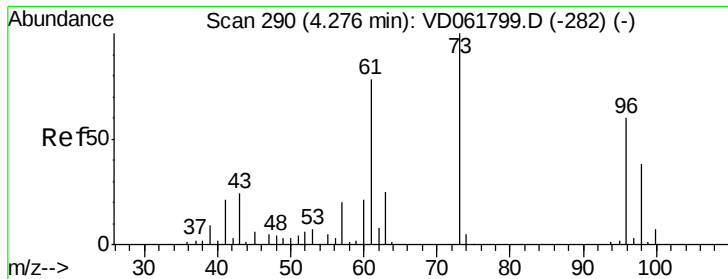
#18
Methyl Acetate
Concen: 47.032 ug/l
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 43 Resp: 134341
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

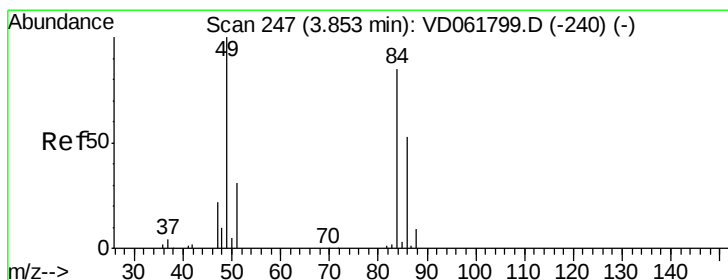
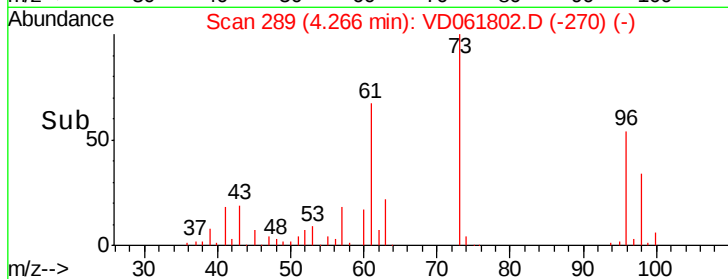
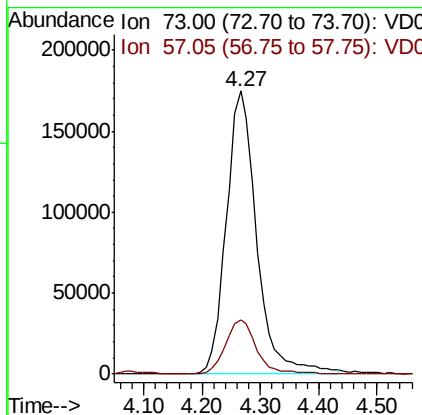
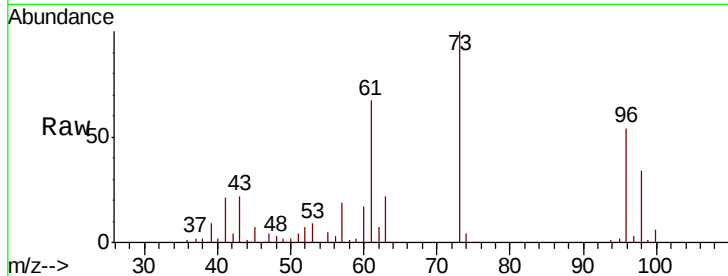




#19
Methvl tert-butvl Ether
Concen: 52.479 ug/l
RT: 4.27 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

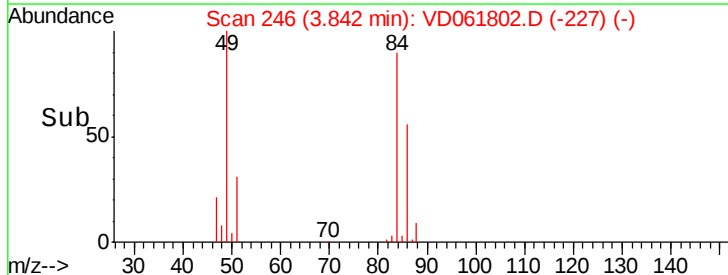
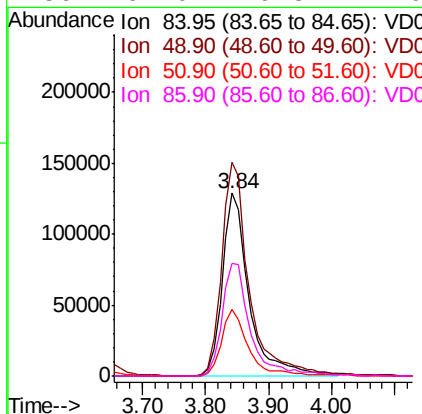
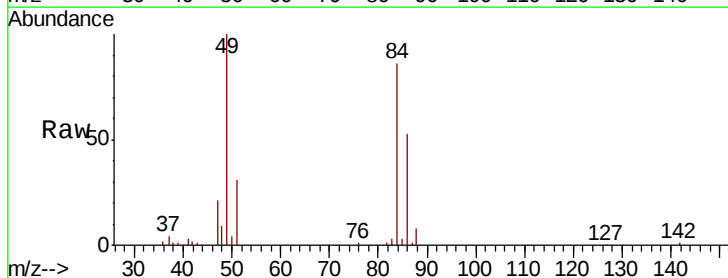
Instrument :
MSVOA_D
ClientSampleId :

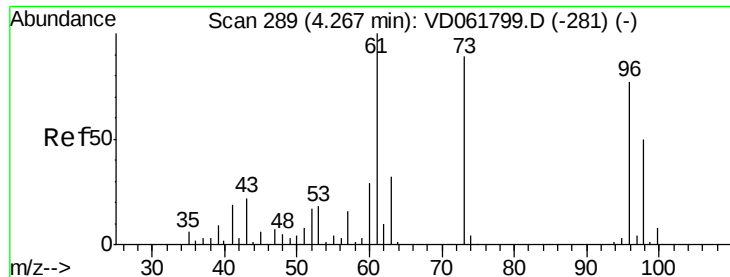
Tot Ion: 73 Resp: 634158
Ion Ratio Lower Upper
73 100
57 19.3 16.3 24.5



#20
Methylene Chloride
Concen: 54.299 ug/l
RT: 3.84 min Scan# 246
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 84 Resp: 381850
Ion Ratio Lower Upper
84 100
49 116.9 94.0 141.0
51 36.2 29.0 43.4
86 62.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 55.135 ug/l

RT: 4.26 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

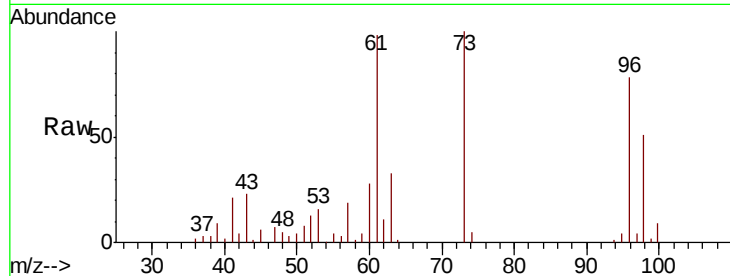
Tot Ion: 96 Resp: 392347

Ion Ratio Lower Upper

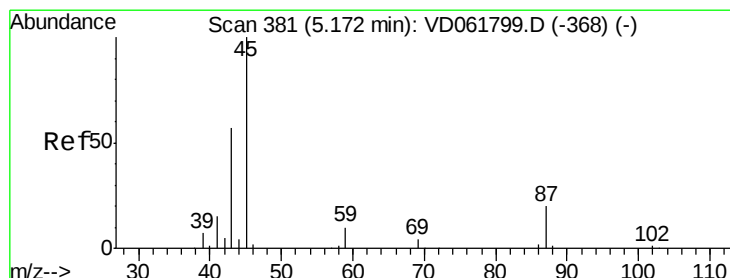
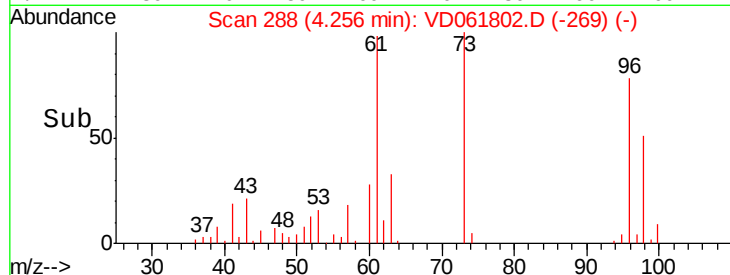
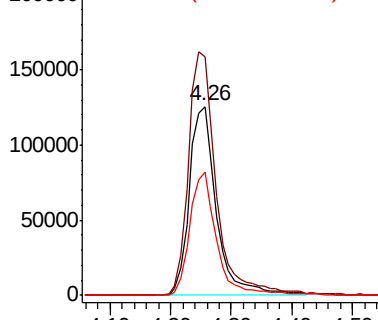
96 100

61 126.1 104.4 156.6

98 65.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 50.650 ug/l

RT: 5.15 min Scan# 379

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion: 45 Resp: 955575

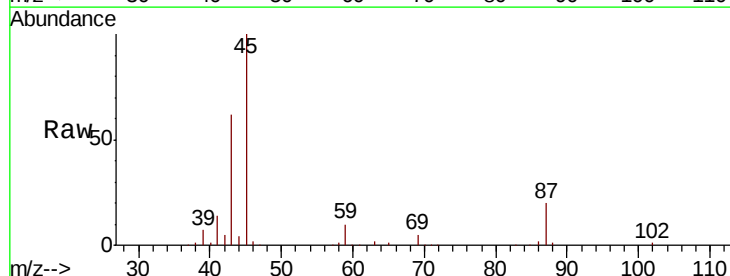
Ion Ratio Lower Upper

45 100

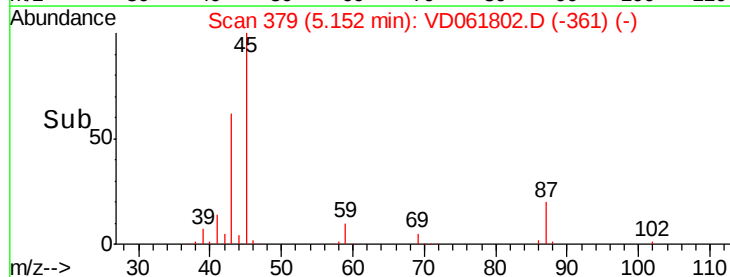
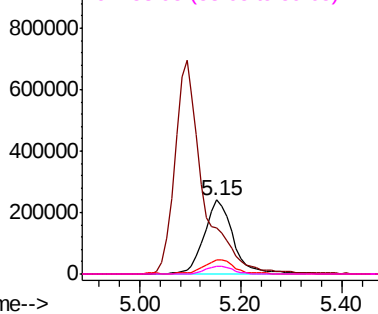
43 62.4 46.2 69.2

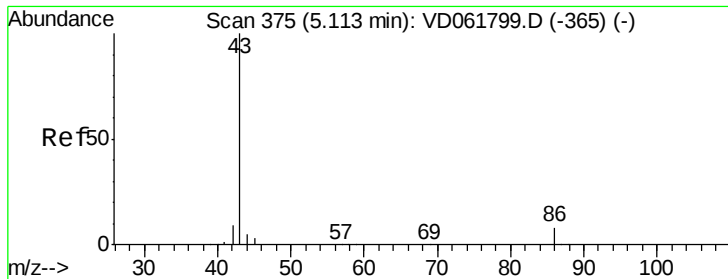
87 19.8 15.9 23.9

59 9.7 7.9 11.9



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: 268.449 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

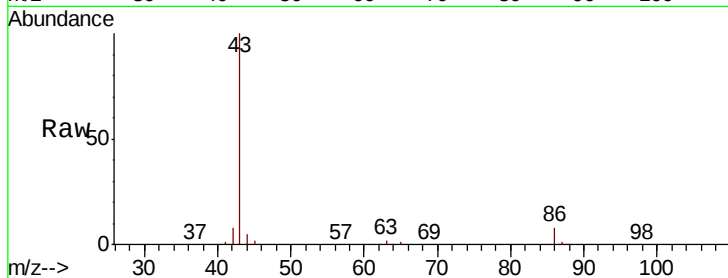
ClientSampleId :

Tot Ion: 43 Resp: 2707393

Ion Ratio Lower Upper

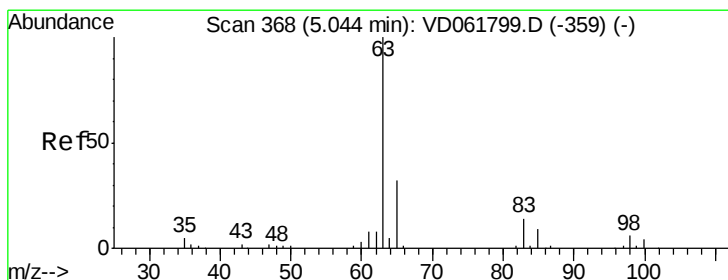
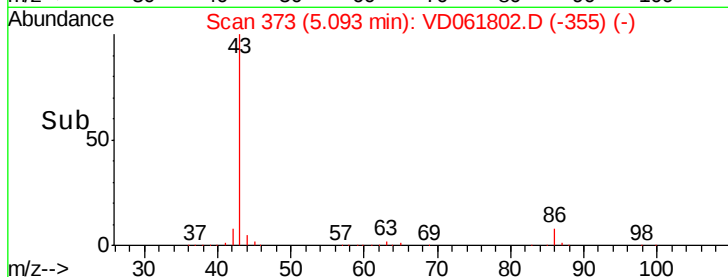
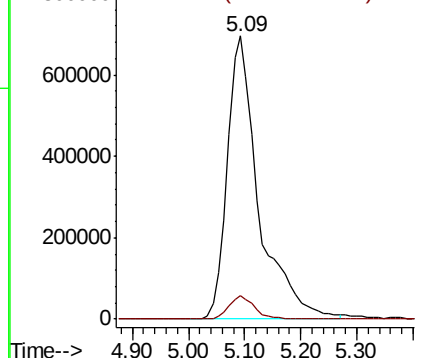
43 100

86 8.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.106 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

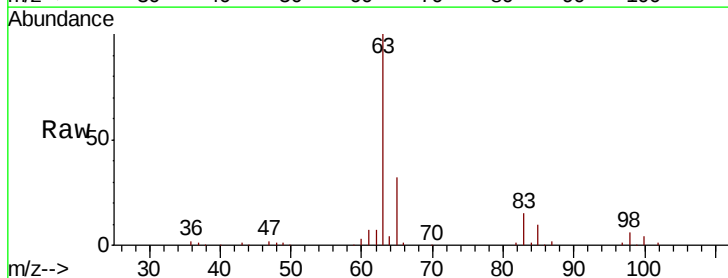
Tgt Ion: 63 Resp: 630339

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

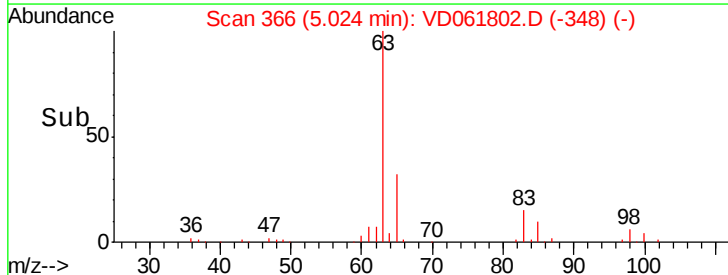
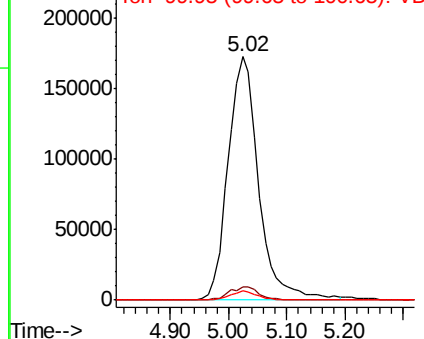
100 3.8 1.8 5.5

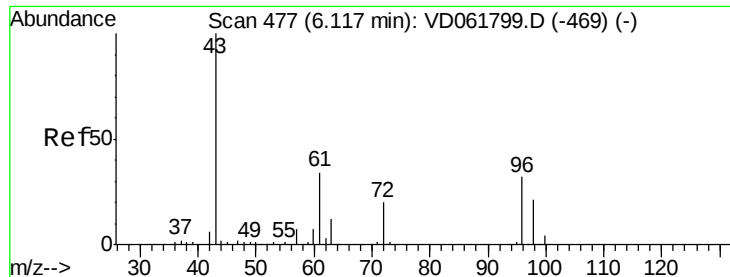


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 263.261 ug/l

RT: 6.10 min Scan# 475

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

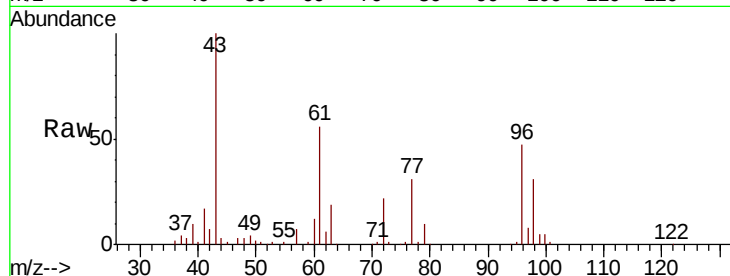
ClientSampleId :

Tot Ion: 43 Resp: 427129

Ion Ratio Lower Upper

43 100

72 21.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.10

150000

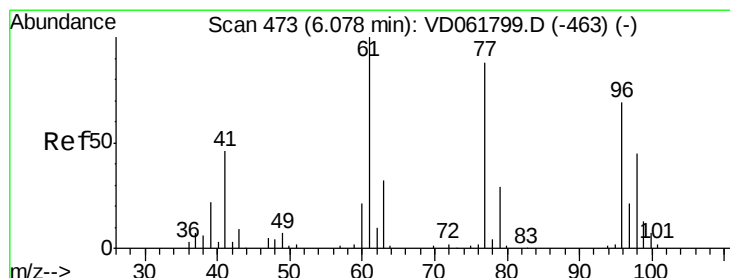
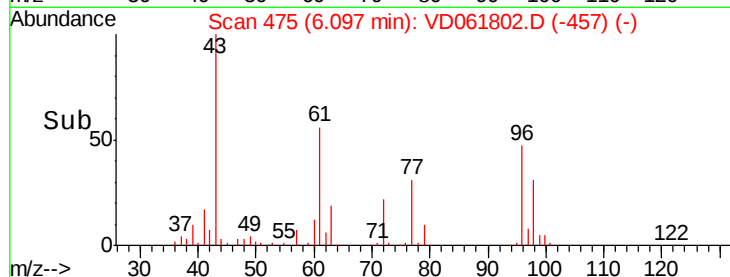
100000

50000

0

Time-->

6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 53.122 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061802.D

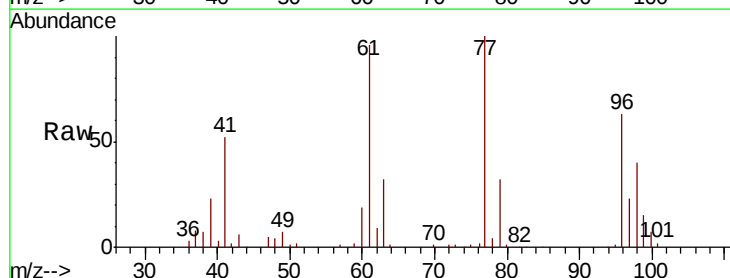
Acq: 15 Apr 2019 18:42

Tgt Ion: 77 Resp: 525220

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.06

150000

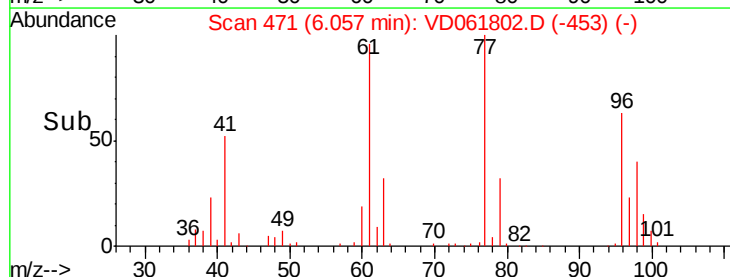
100000

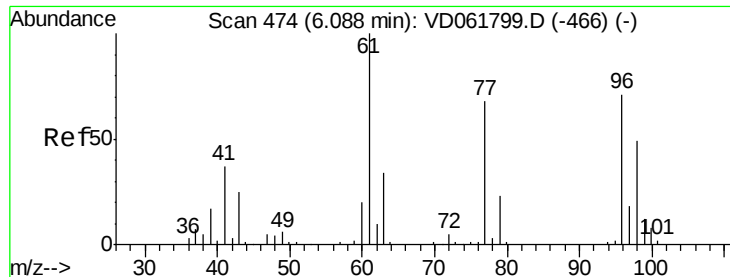
50000

0

Time-->

5.90 6.00 6.10 6.20 6.30



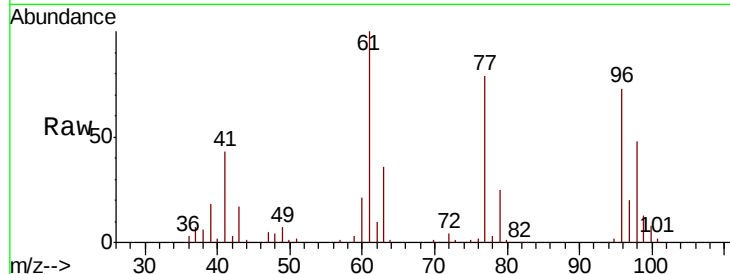


#27

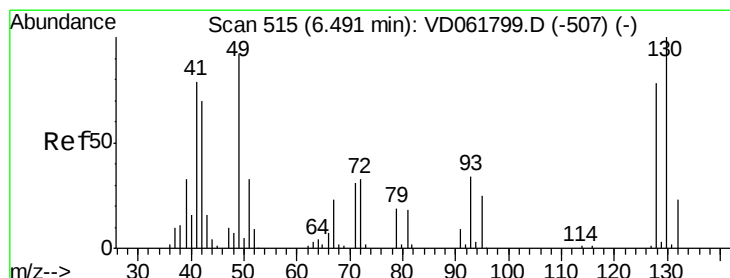
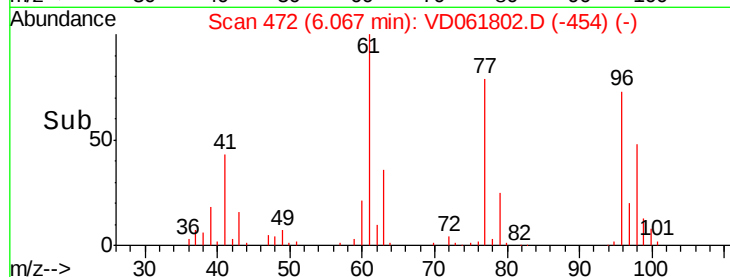
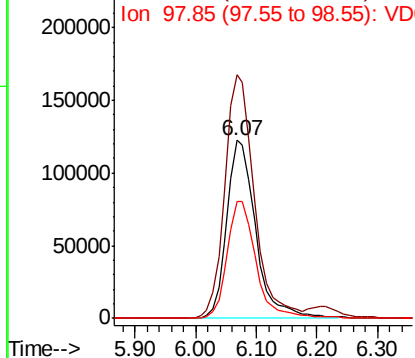
cis-1,2-Dichloroethene
 Concen: 52.809 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 407378
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 279.8
 98 65.7 0.0 136.0



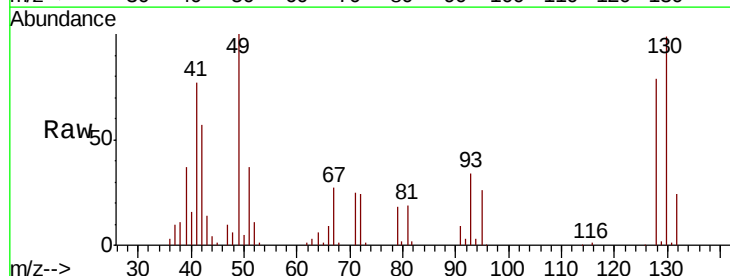
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



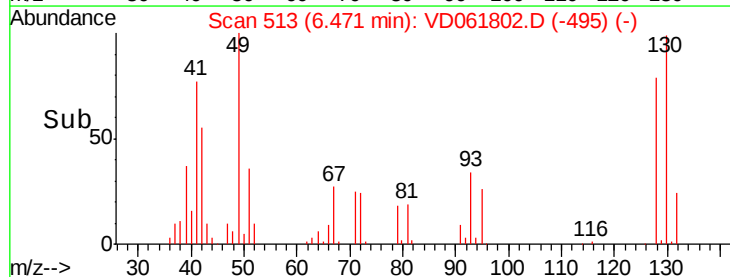
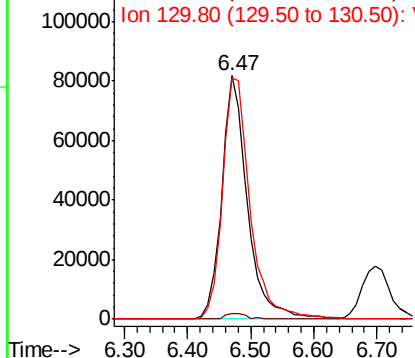
#28

Bromochloromethane
 Concen: 53.088 ug/l
 RT: 6.47 min Scan# 513
 Delta R.T. -0.02 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 49 Resp: 230661
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 98.8 86.7 130.1



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

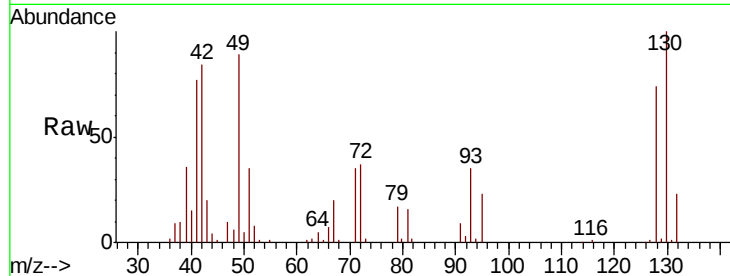




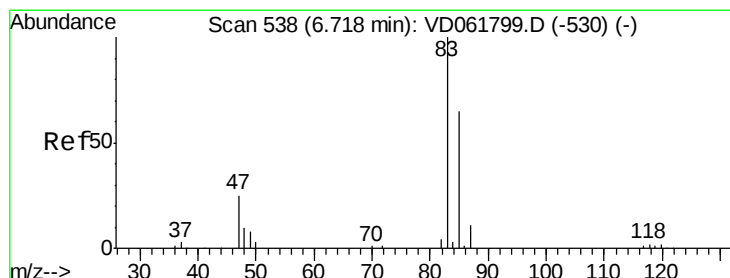
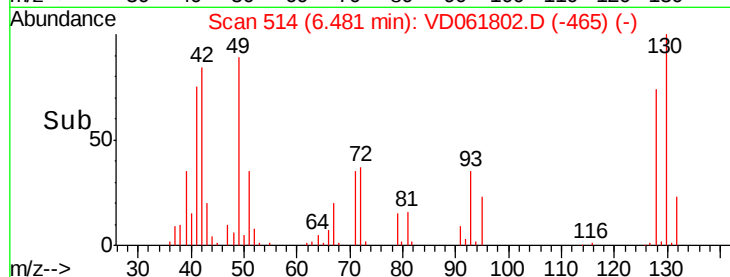
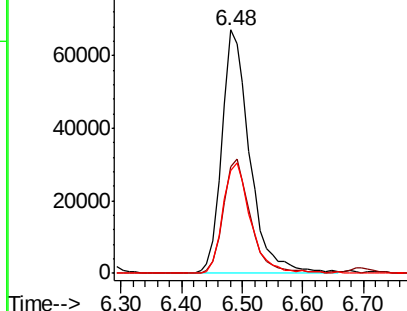
#29
Tetrahydrofuran
Concen: 271.953 ug/l
RT: 6.48 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 214930
Ion Ratio Lower Upper
42 100
72 45.8 37.8 56.6
71 45.0 36.7 55.1

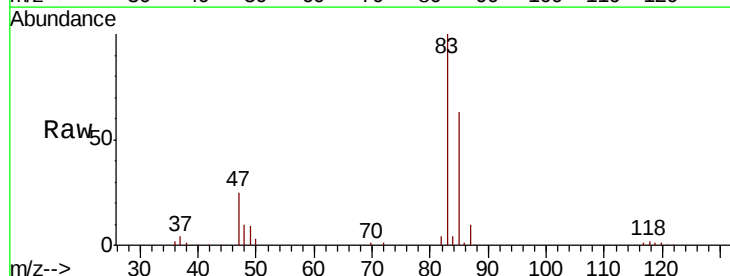


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

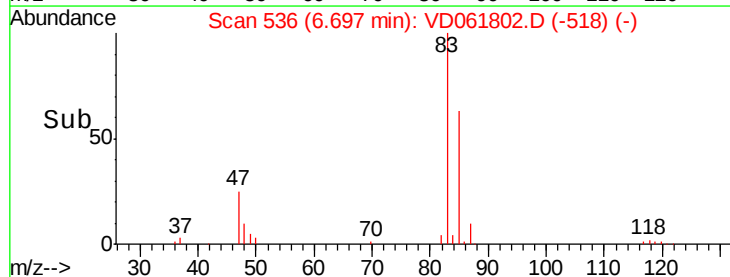
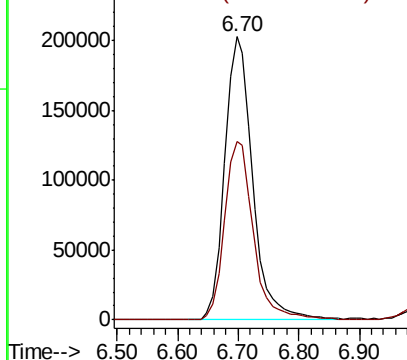


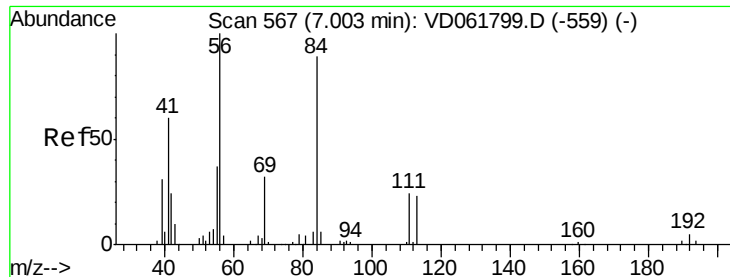
#30
Chloroform
Concen: 50.762 ug/l
RT: 6.70 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 83 Resp: 647647
Ion Ratio Lower Upper
83 100
85 63.1 51.7 77.5



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

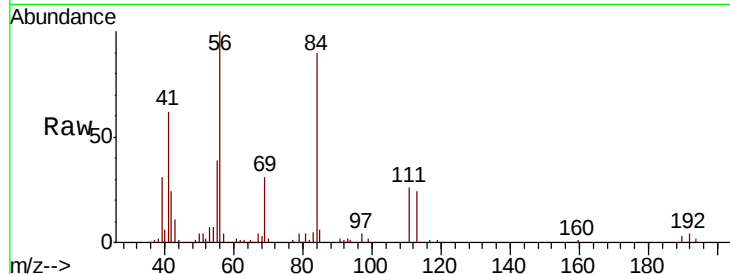




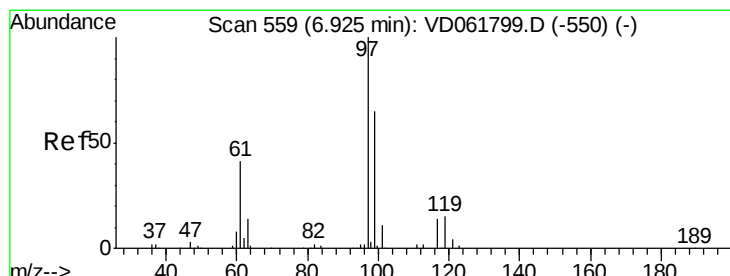
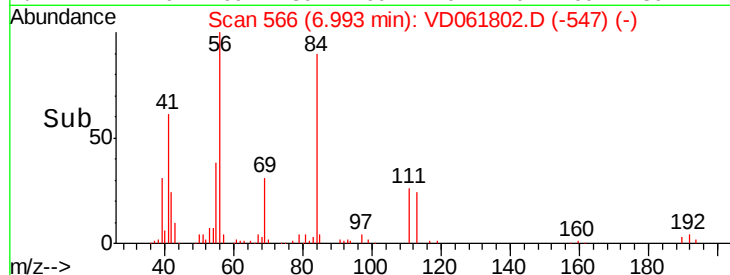
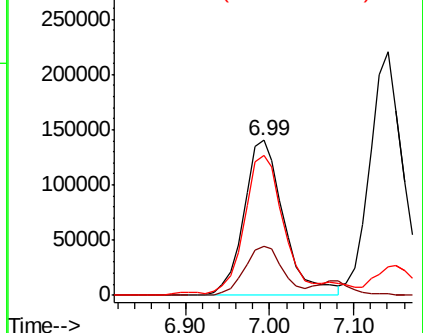
#31
Cyclohexane
Concen: 53.241 ug/l
RT: 6.99 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 466212
Ion Ratio Lower Upper
56 100
69 31.4 25.8 38.6
84 90.2 72.2 108.4

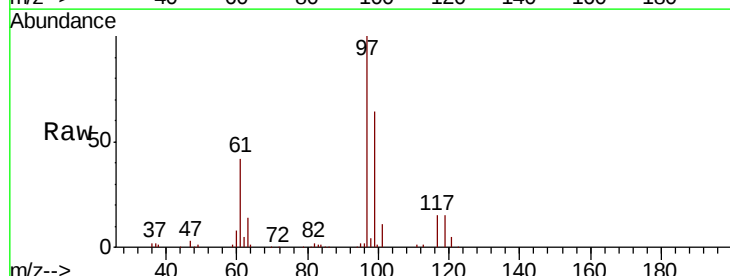


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

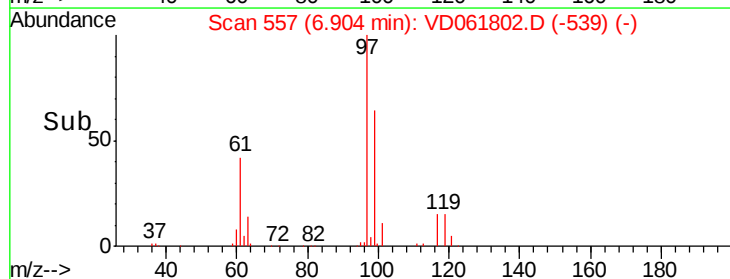
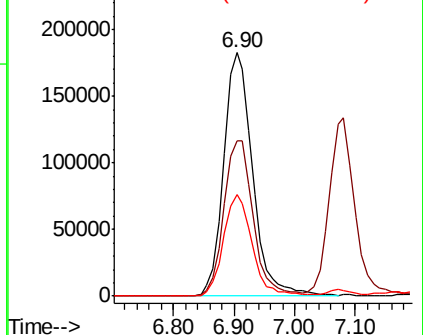


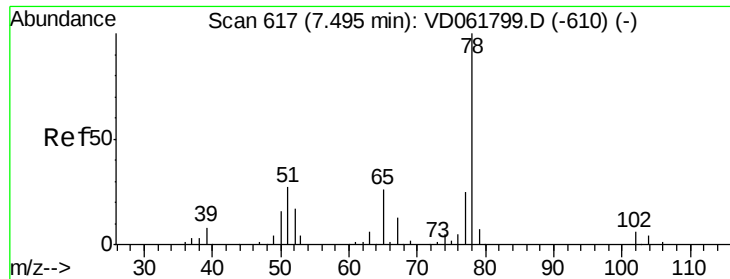
#32
1,1,1-Trichloroethane
Concen: 53.684 ug/l
RT: 6.90 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 97 Resp: 607155
Ion Ratio Lower Upper
97 100
99 63.7 52.2 78.2
61 41.6 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.684 ug/l

RT: 7.48 min Scan# 616

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

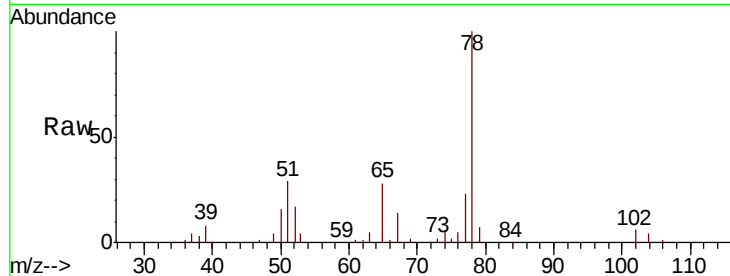
ClientSampleId :

Tot Ion: 65 Resp: 304413

Ion Ratio Lower Upper

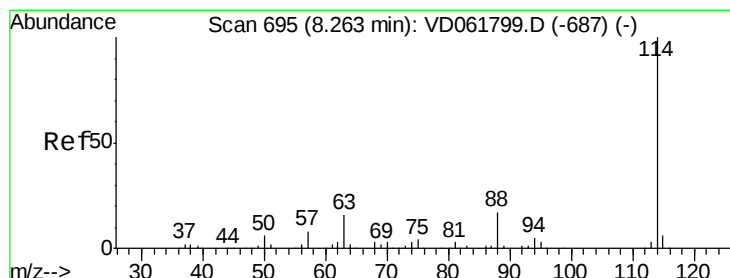
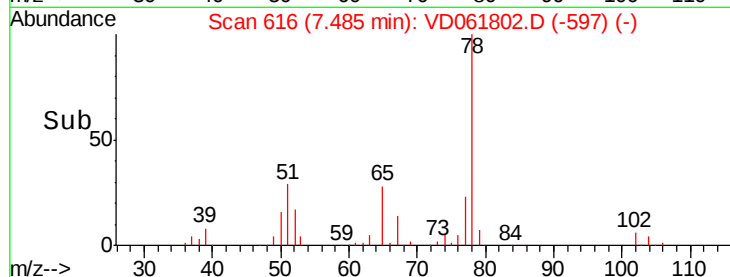
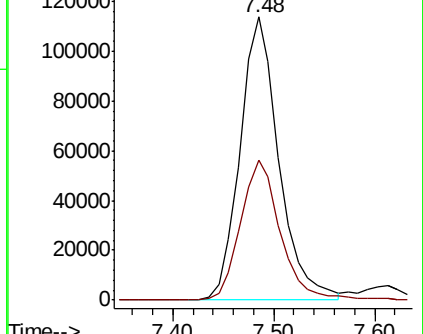
65 100

67 49.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

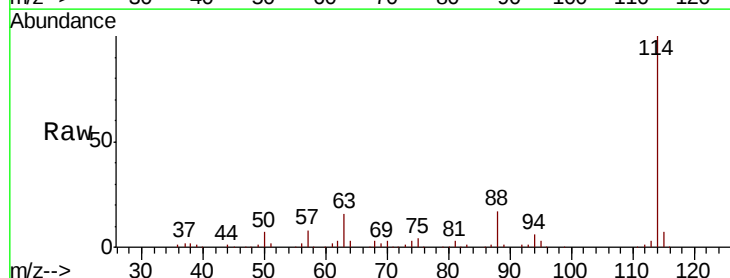
Tgt Ion: 114 Resp: 1090082

Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.4

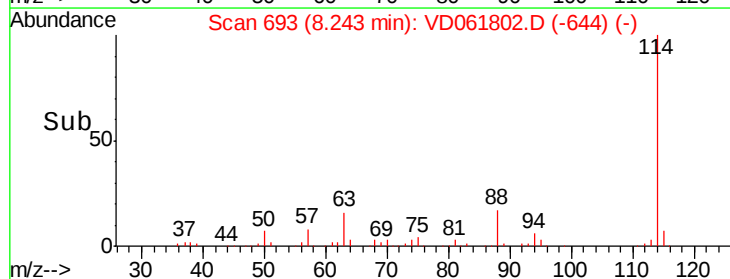
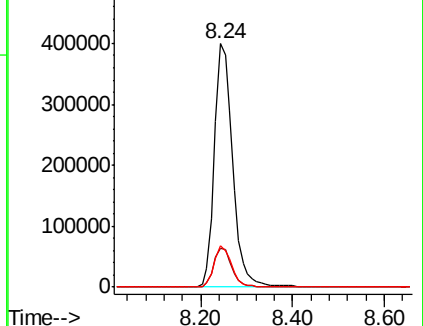
88 17.1 0.0 33.6

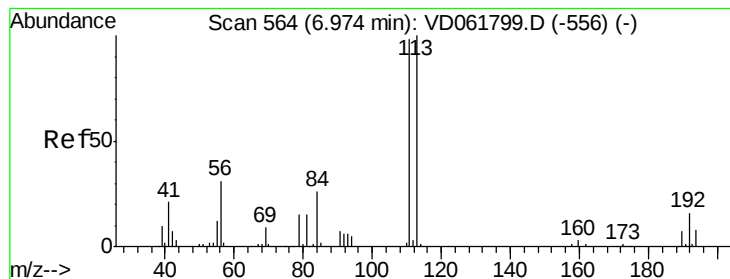


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

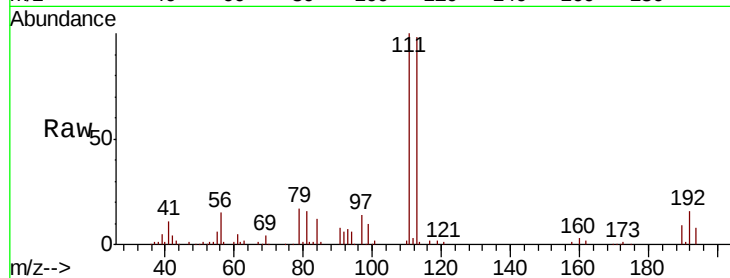
Tot Ion:113 Resp: 450502

Ion Ratio Lower Upper

113 100

111 102.5 78.5 117.7

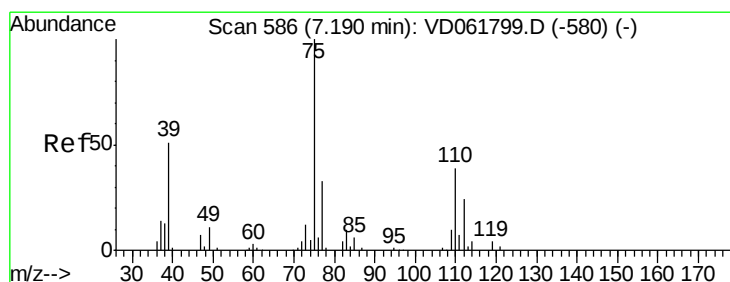
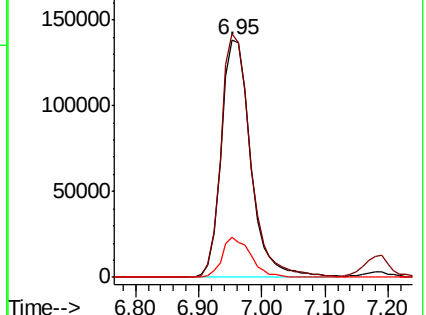
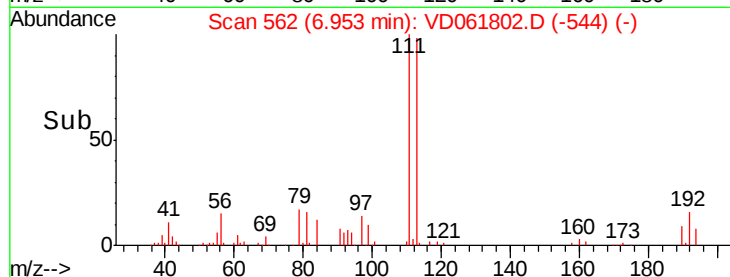
192 16.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.198 ug/l

RT: 7.18 min Scan# 585

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

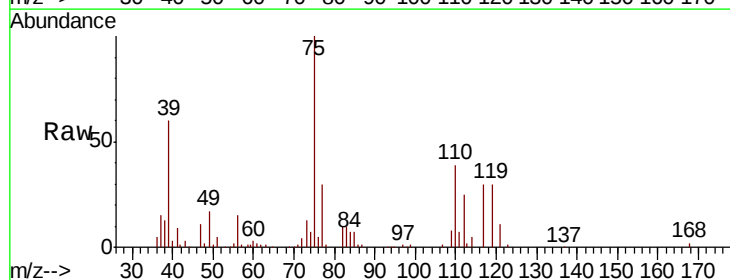
Tgt Ion: 75 Resp: 491688

Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.1

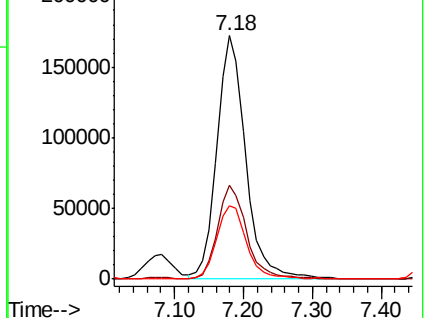
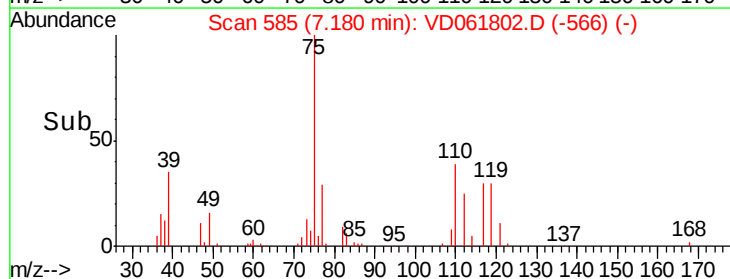
77 30.1 25.6 38.4

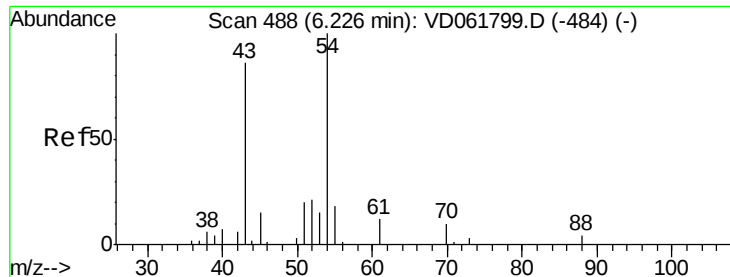


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 46.961 ug/l

RT: 6.21 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

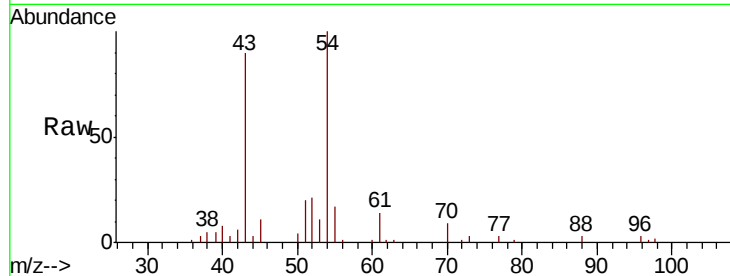
Tot Ion: 43 Resp: 179034

Ion Ratio Lower Upper

43 100

61 15.1 14.7 22.1

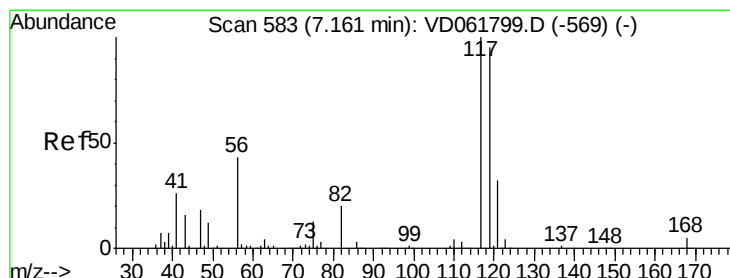
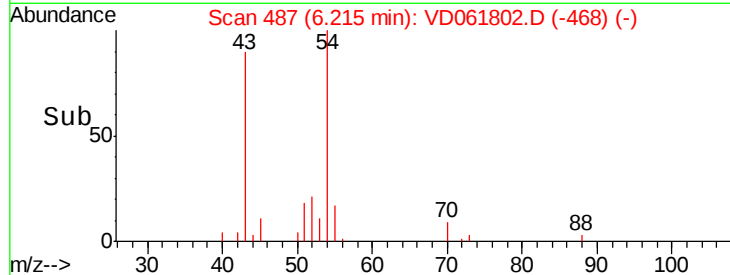
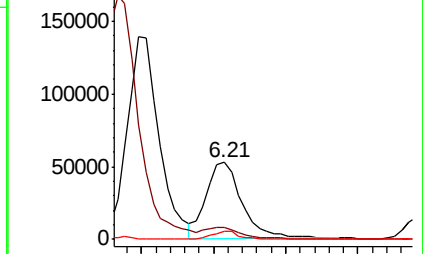
70 10.5 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VD061802.D (-468) (-)

Ion 60.95 (60.65 to 61.65): VD061802.D (-468) (-)

Ion 70.00 (69.70 to 70.70): VD061802.D (-468) (-)



#38

Carbon Tetrachloride

Concen: 59.225 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

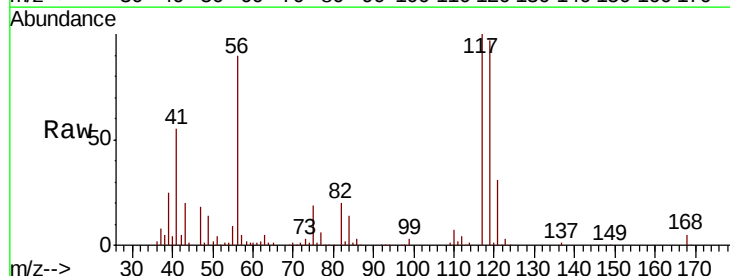
Tgt Ion: 117 Resp: 666158

Ion Ratio Lower Upper

117 100

119 96.5 75.8 113.8

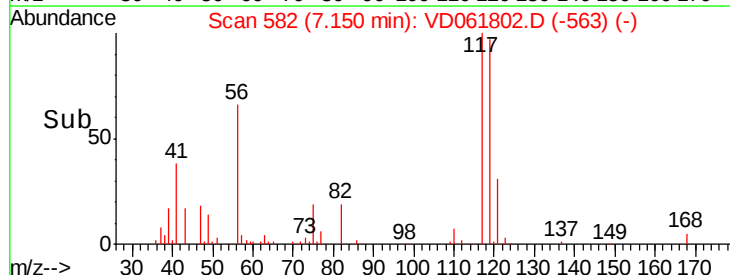
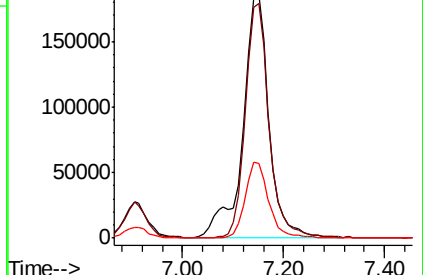
121 30.7 25.9 38.9

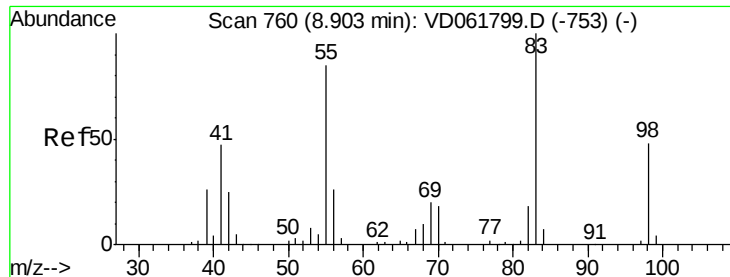


Abundance Ion 116.85 (116.55 to 117.55): VD061802.D (-563) (-)

Ion 118.85 (118.55 to 119.55): VD061802.D (-563) (-)

Ion 120.85 (120.55 to 121.55): VD061802.D (-563) (-)

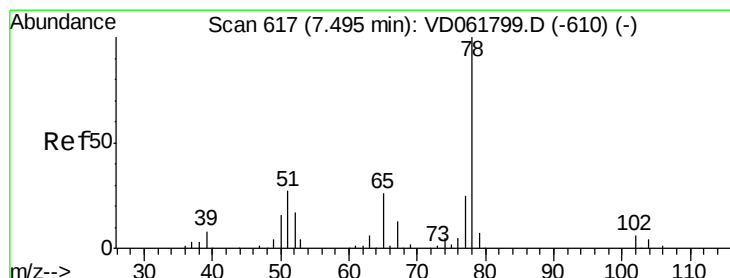
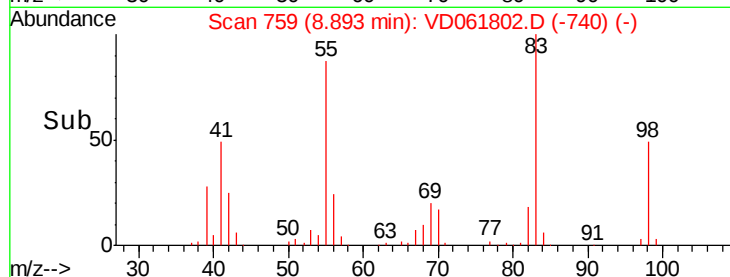
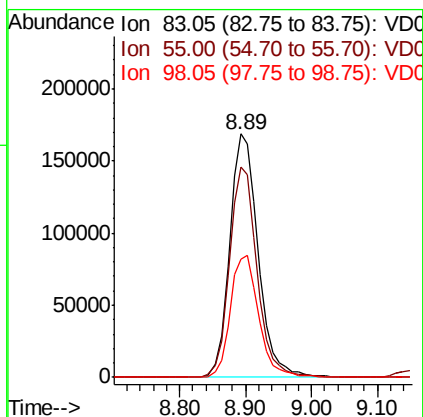
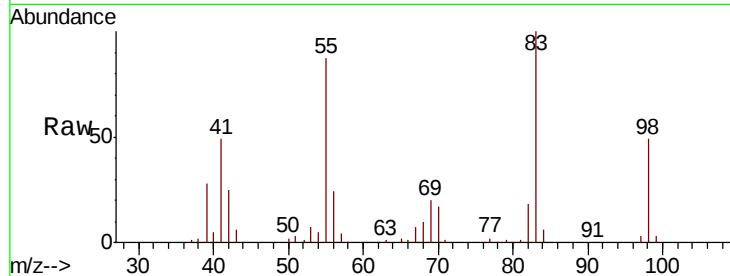




#39
Methvlcvclohexane
Concen: 55.127 ug/l
RT: 8.89 min Scan# 759
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

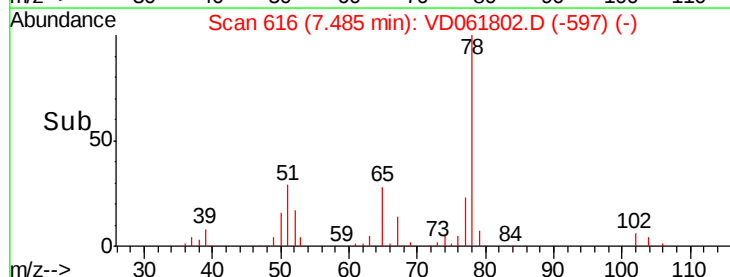
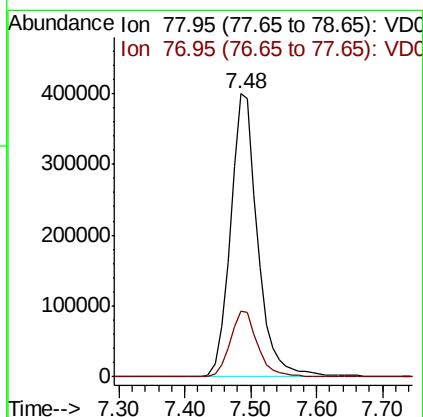
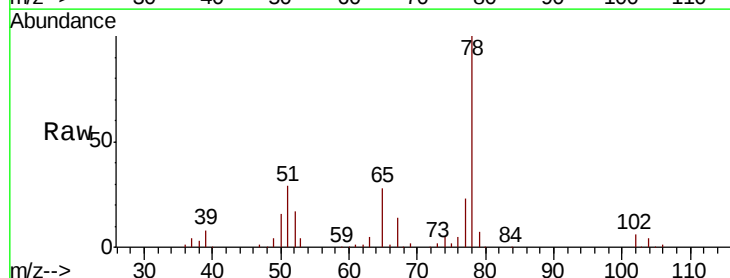
Instrument :
MSVOA_D
ClientSampleID :

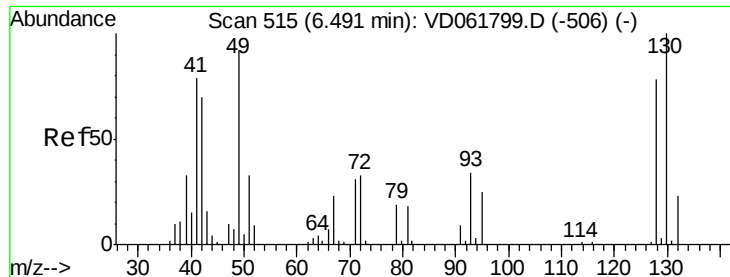
Tot Ion: 83 Resp: 509928
Ion Ratio Lower Upper
83 100
55 86.5 68.2 102.4
98 48.5 38.2 57.4



#40
Benzene
Concen: 53.853 ug/l
RT: 7.48 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 78 Resp: 1151665
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5





#41

Methacrylonitrile

Concen: 53.596 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 241510

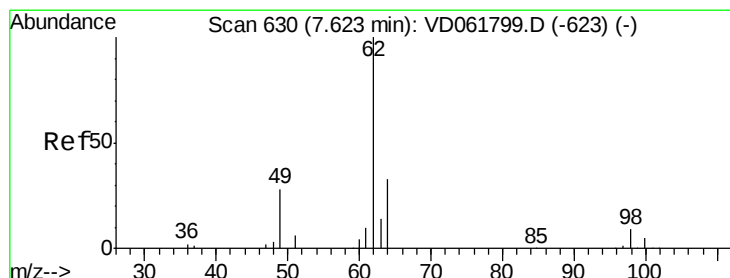
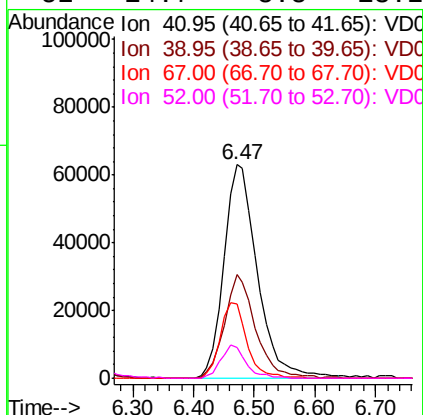
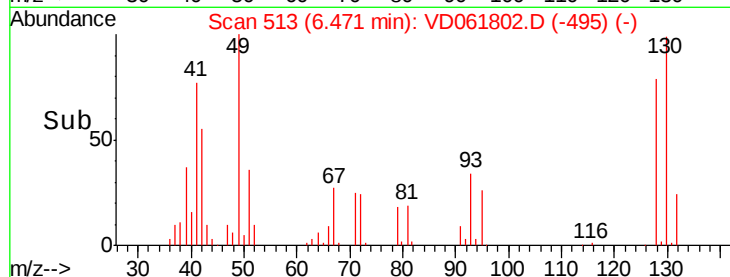
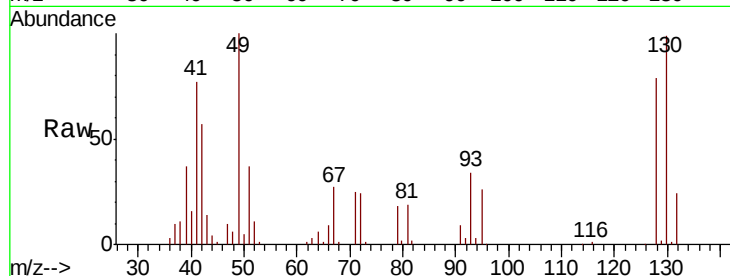
Ion Ratio Lower Upper

41 100

39 48.4 34.1 51.1

67 34.8 23.8 35.6

52 14.7 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 52.753 ug/l

RT: 7.61 min Scan# 629

Delta R.T. -0.01 min

Lab File: VD061802.D

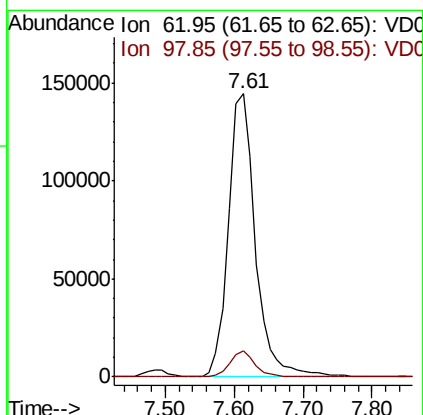
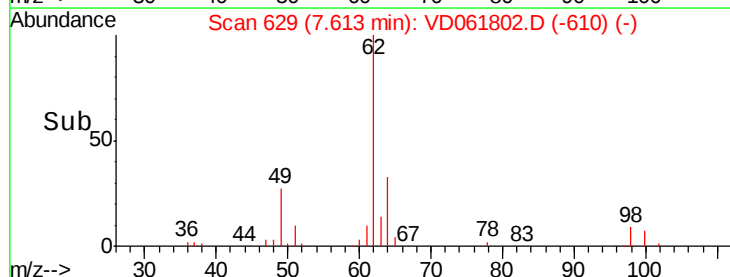
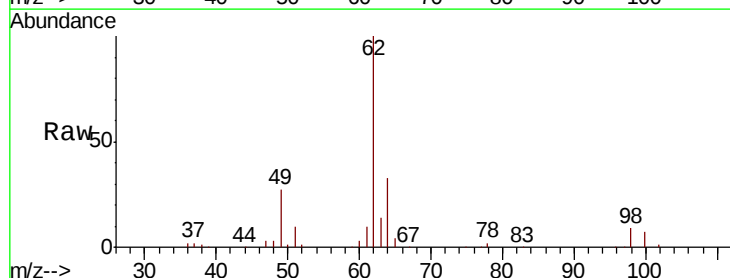
Acq: 15 Apr 2019 18:42

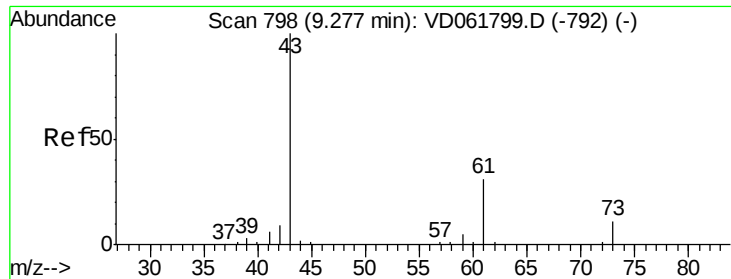
Tgt Ion: 62 Resp: 392908

Ion Ratio Lower Upper

62 100

98 9.3 0.0 17.8

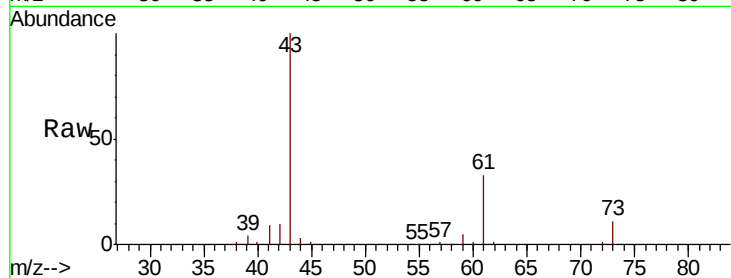




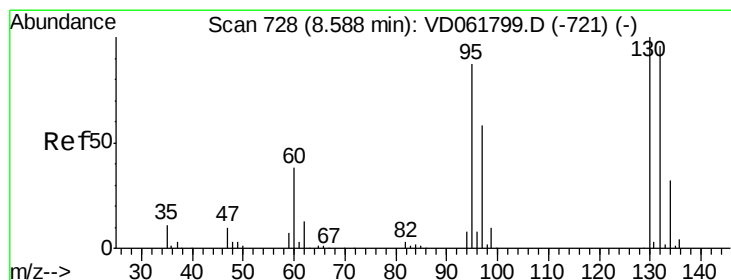
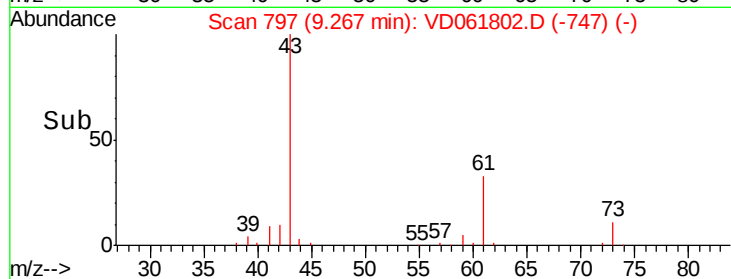
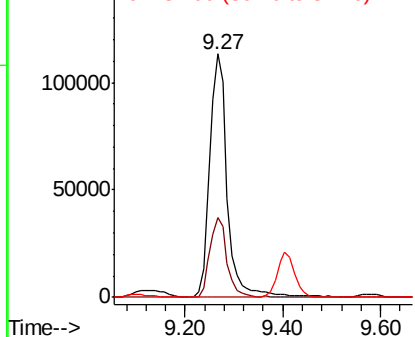
#43
Isopropyl Acetate
Concen: 52.709 ug/l
RT: 9.27 min Scan# 797
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 282786
Ion Ratio Lower Upper
43 100
61 32.6 25.1 37.7
87 0.0 0.0 0.0

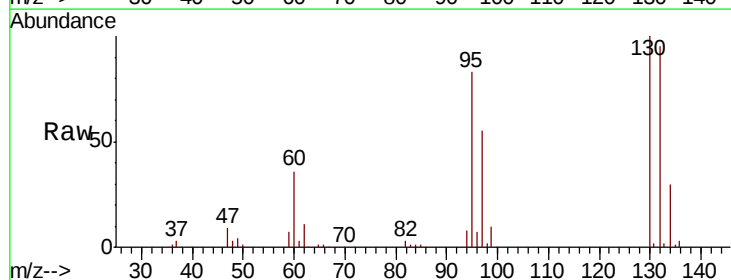


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

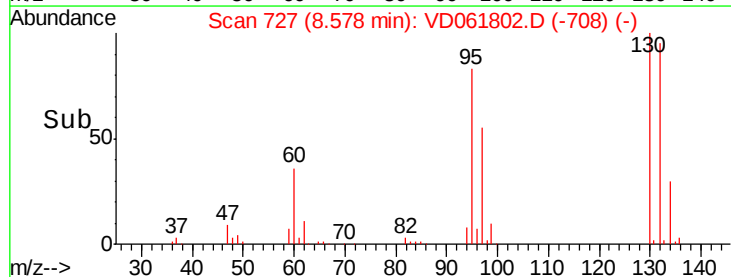
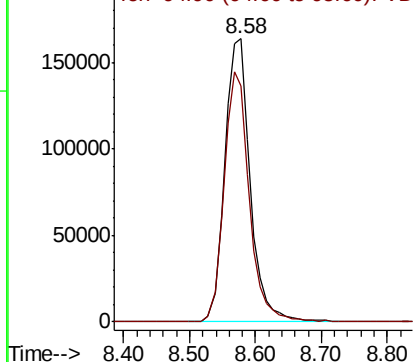


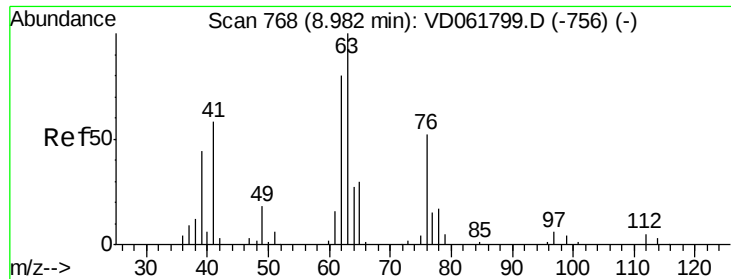
#44
Trichloroethene
Concen: 53.829 ug/l
RT: 8.58 min Scan# 727
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 130 Resp: 443152
Ion Ratio Lower Upper
130 100
95 83.5 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 56.323 ug/l

RT: 8.97 min Scan# 767

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

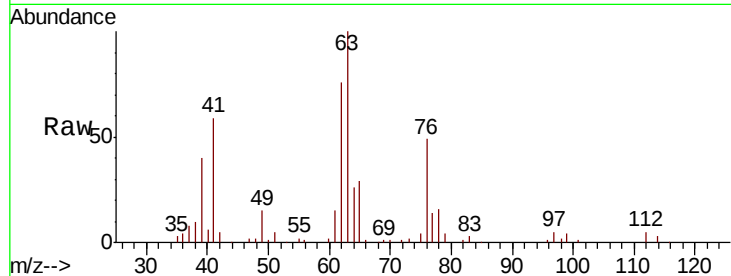
ClientSampleId :

Tot Ion: 63 Resp: 313741

Ion Ratio Lower Upper

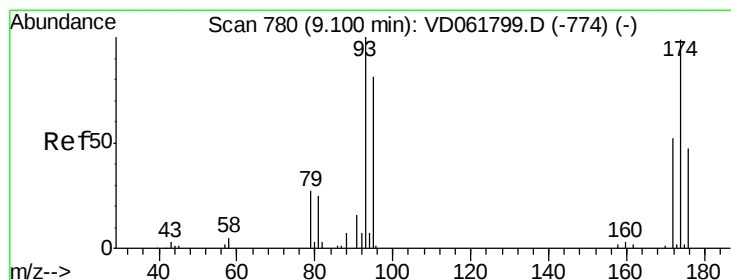
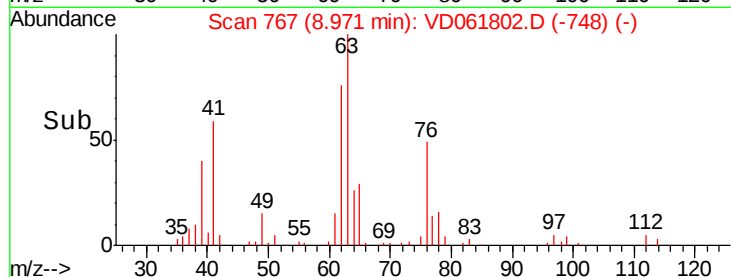
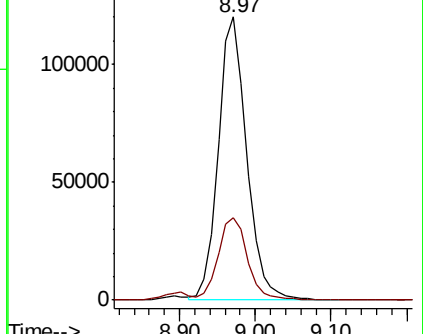
63 100

65 29.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.166 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

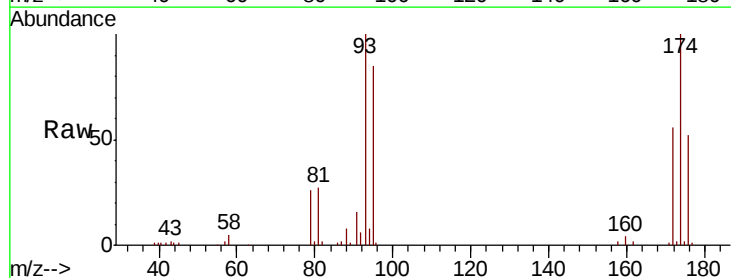
Tgt Ion: 93 Resp: 207052

Ion Ratio Lower Upper

93 100

95 84.8 64.8 97.2

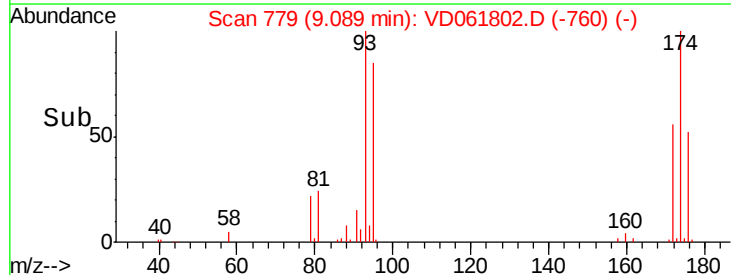
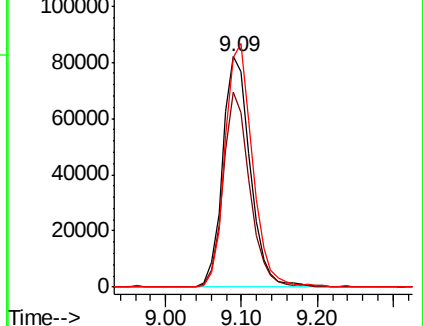
174 99.8 79.3 118.9

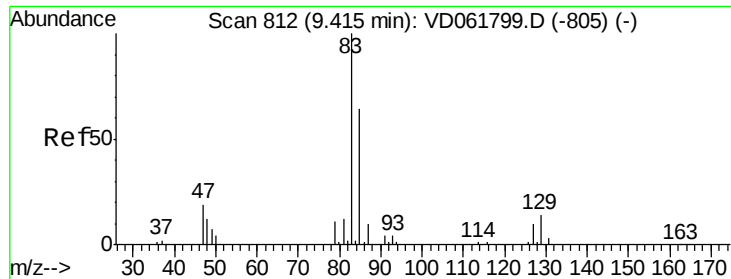


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 53.000 ug/l

RT: 9.40 min Scan# 811

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

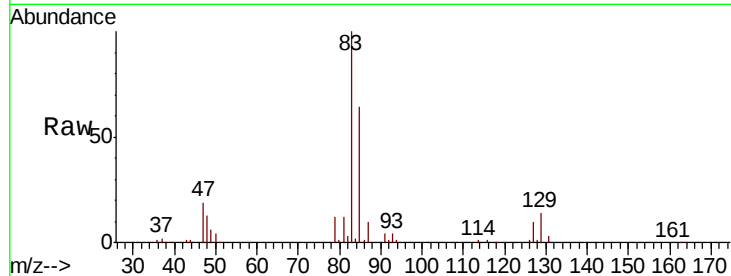
Tot Ion: 83 Resp: 485309

Ion Ratio Lower Upper

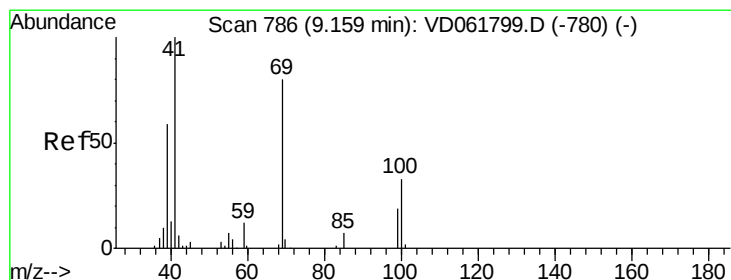
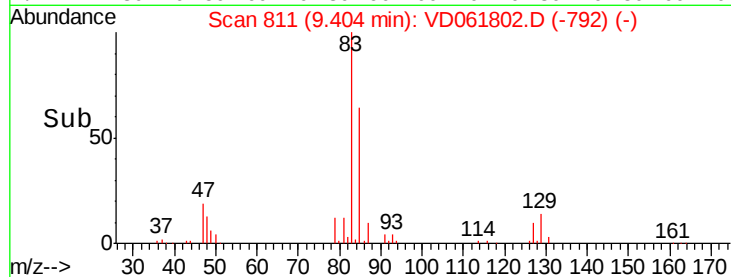
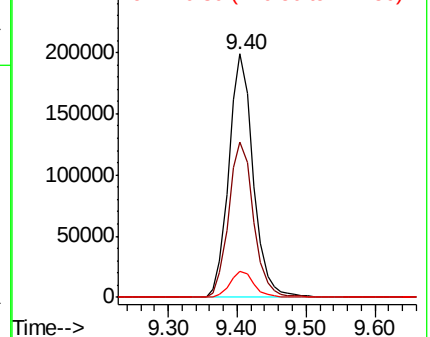
83 100

85 63.6 50.9 76.3

127 10.5 8.1 12.1



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: 53.433 ug/l

RT: 9.15 min Scan# 785

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

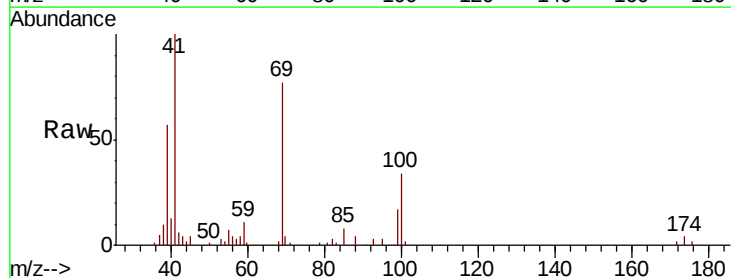
Tgt Ion: 41 Resp: 168507

Ion Ratio Lower Upper

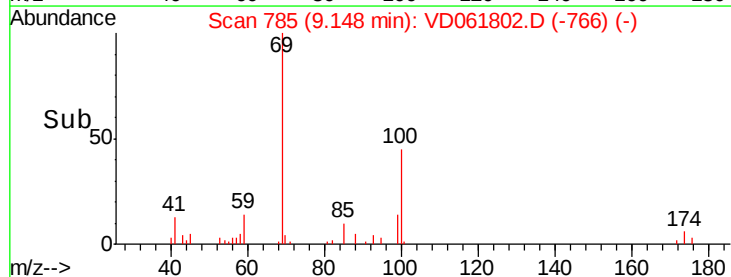
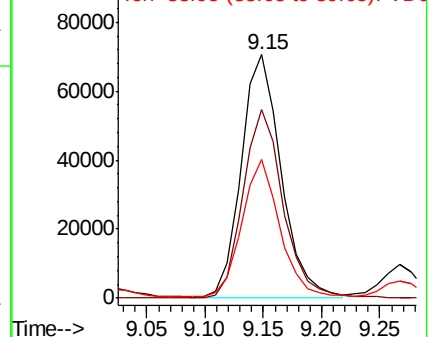
41 100

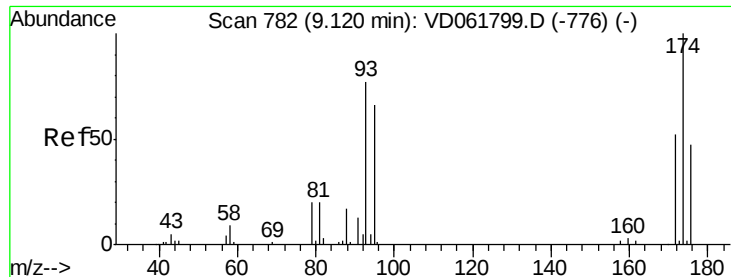
69 77.4 64.2 96.2

39 56.9 46.8 70.2



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: 1056.182 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

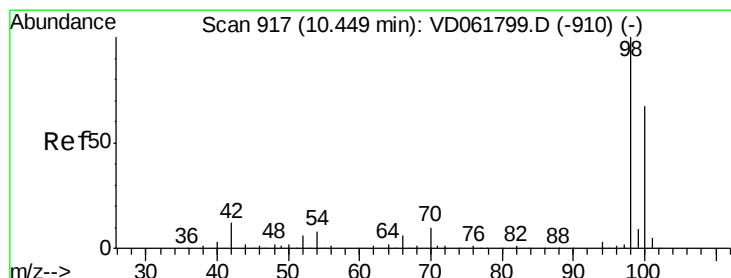
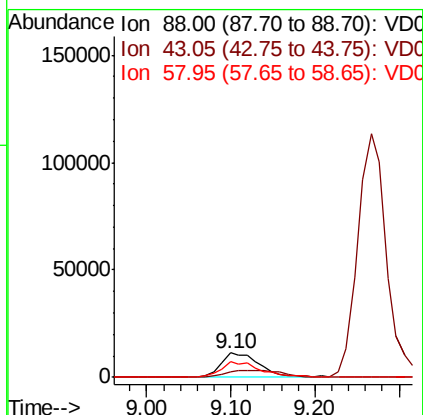
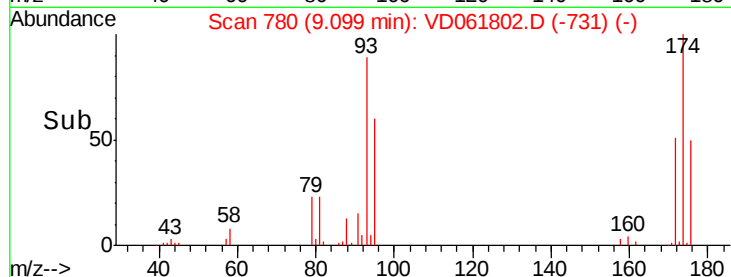
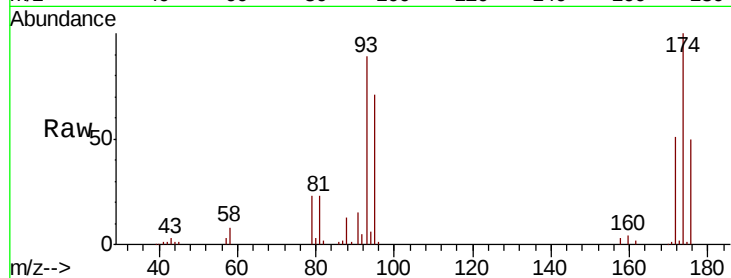
Tot Ion: 88 Resp: 36406

Ion Ratio Lower Upper

88 100

43 23.7 23.4 35.0

58 63.4 44.0 66.0



#50

Toluene-d8

Concen: 1056.182 ug/l

RT: 10.44 min Scan# 916

Delta R.T. -0.01 min

Lab File: VD061802.D

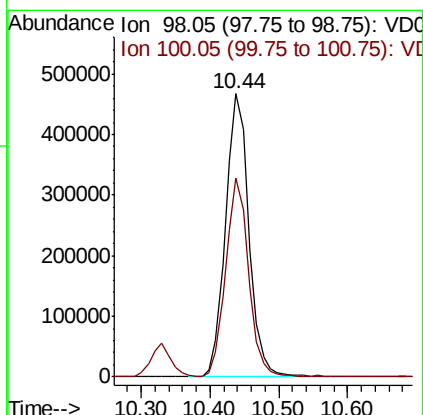
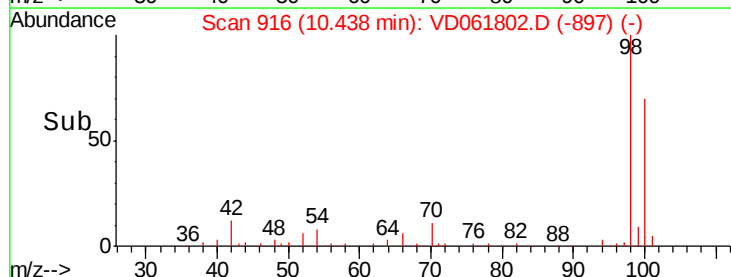
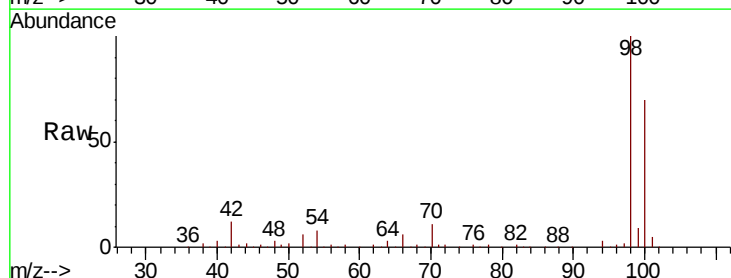
Acq: 15 Apr 2019 18:42

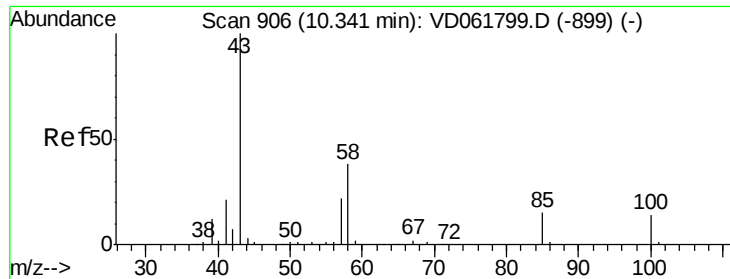
Tgt Ion: 98 Resp: 1098137

Ion Ratio Lower Upper

98 100

100 70.5 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 263.434 ug/l

RT: 10.33 min Scan# 905

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

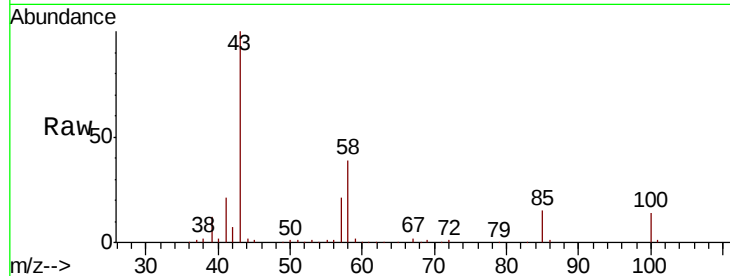
ClientSampled :

Tot Ion: 43 Resp: 864297

Ion Ratio Lower Upper

43 100

58 38.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

400000

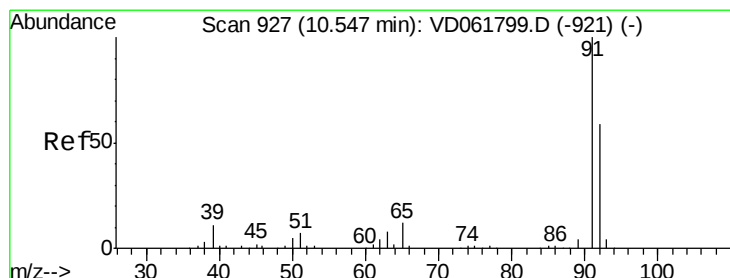
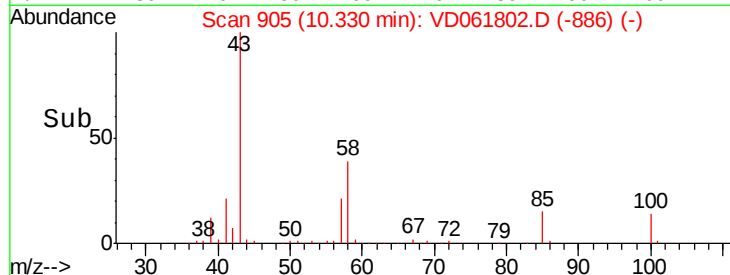
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.809 ug/l

RT: 10.54 min Scan# 926

Delta R.T. -0.01 min

Lab File: VD061802.D

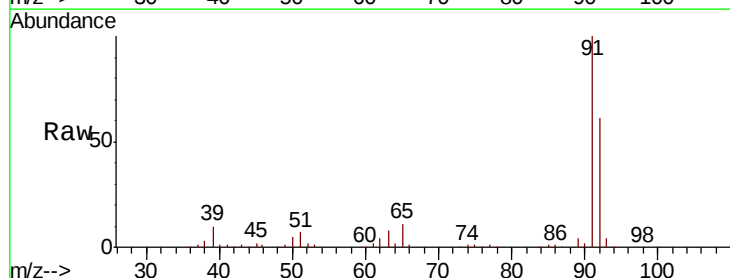
Acq: 15 Apr 2019 18:42

Tgt Ion: 92 Resp: 696301

Ion Ratio Lower Upper

92 100

91 165.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.54

600000

500000

400000

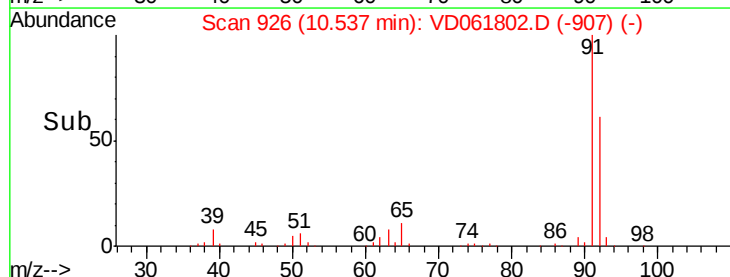
300000

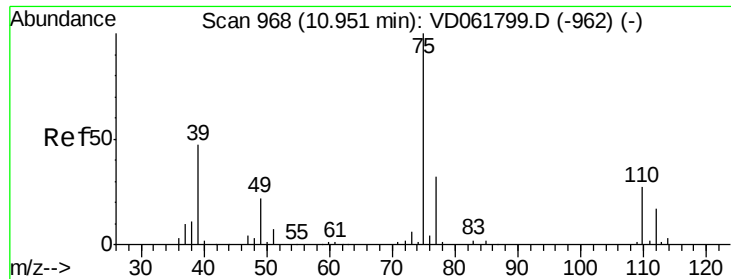
200000

100000

0

Time-->

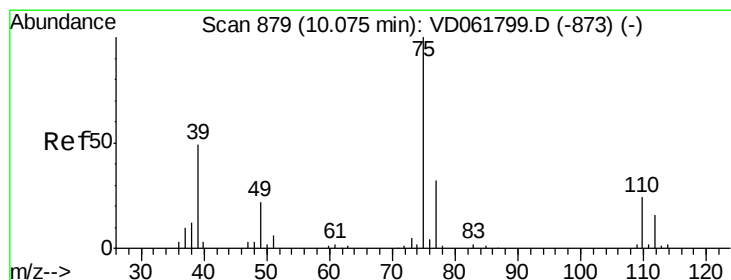
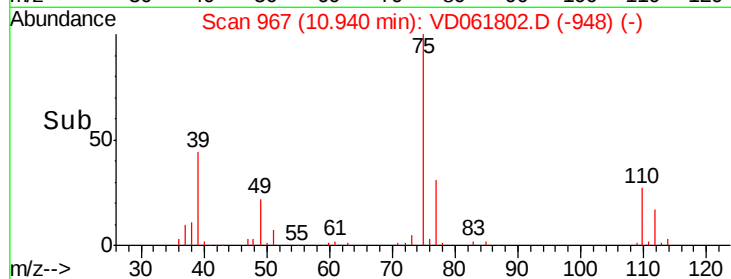
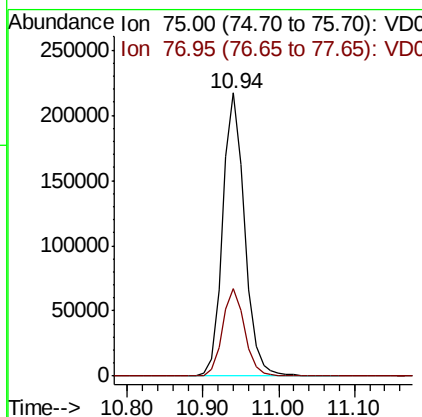
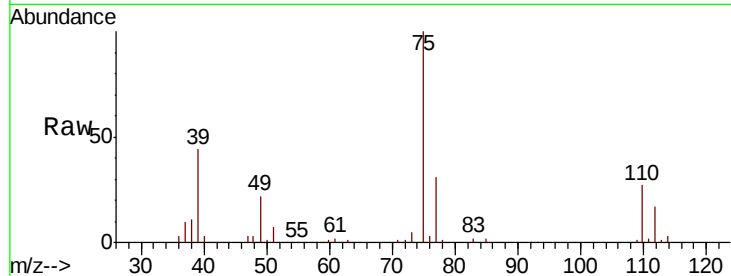




#53
 t-1,3-Dichloropropene
 Concen: 52.877 ug/l
 RT: 10.94 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

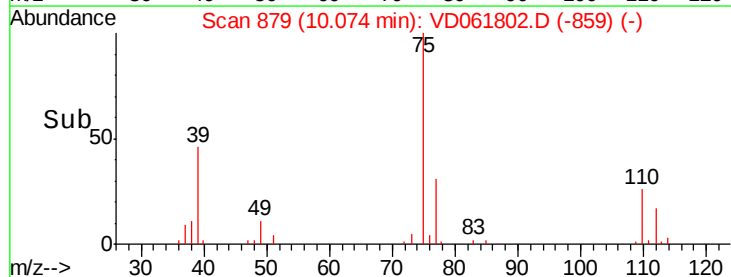
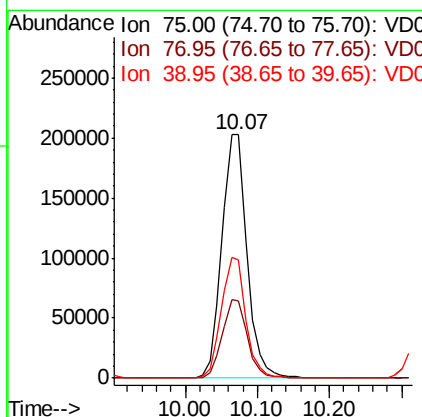
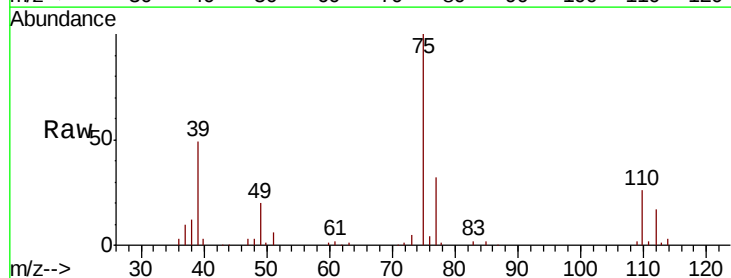
Instrument :
 MSVOA_D
 ClientSampleId :

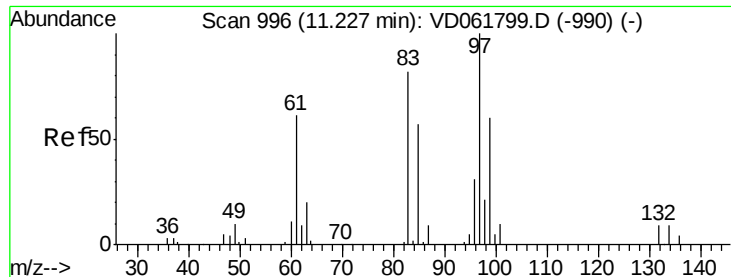
Tot Ion: 75 Resp: 436287
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.576 ug/l
 RT: 10.07 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 75 Resp: 489846
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 48.7 39.4 59.2

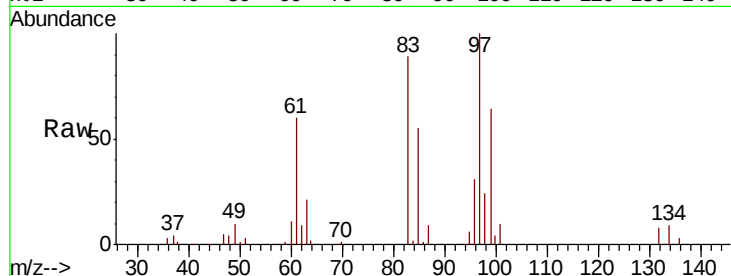




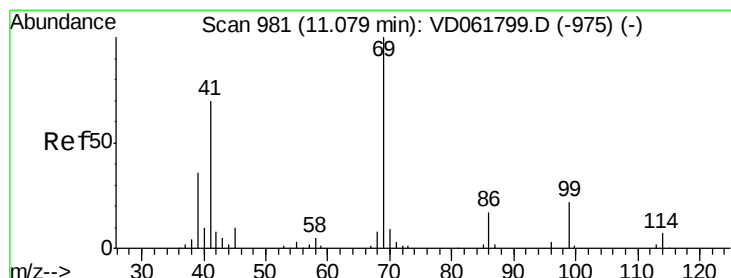
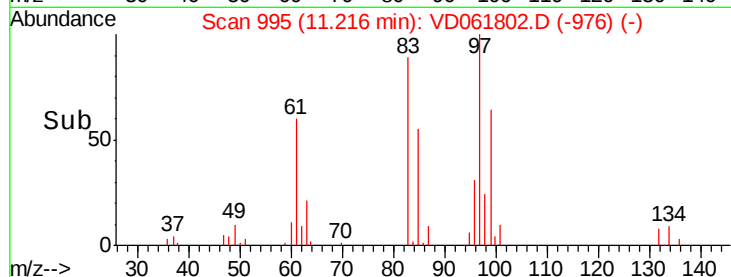
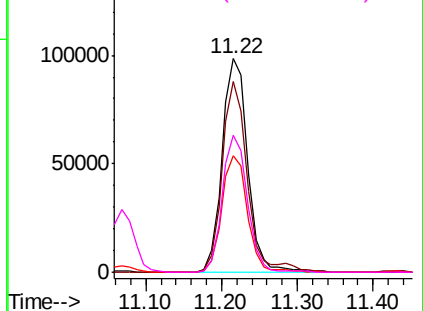
#55
 1,1,2-Trichloroethane
 Concen: 49.819 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	230058
Ion	Ratio	Lower	Upper
97	100		
83	89.2	65.7	98.5
85	54.8	45.6	68.4
99	64.0	48.4	72.6

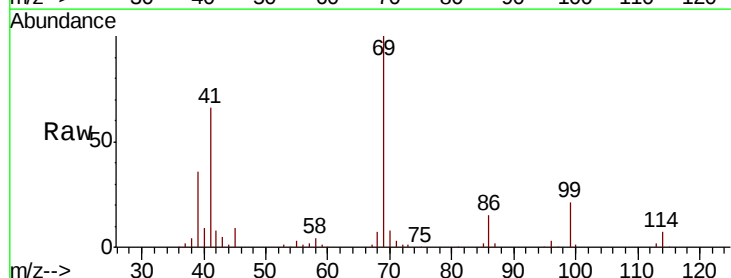


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

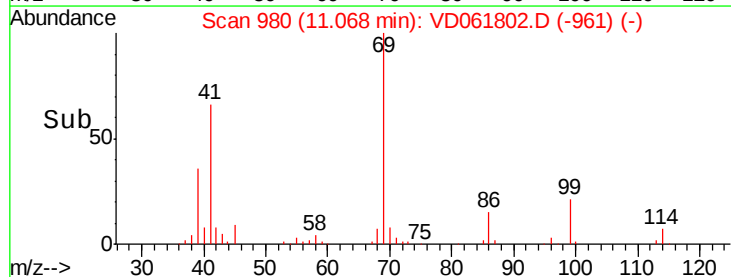
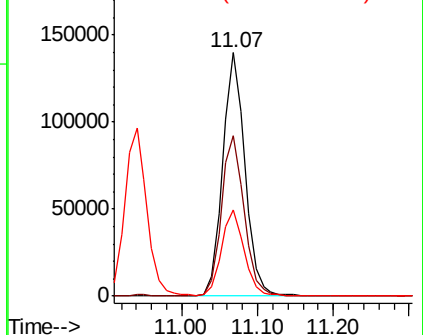


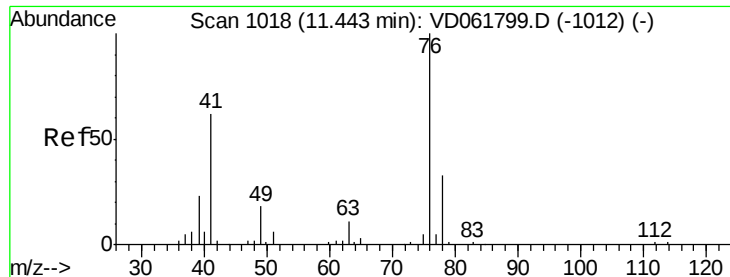
#56
 Ethyl methacrylate
 Concen: 56.367 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion:	69	Resp:	285685
Ion	Ratio	Lower	Upper
69	100		
41	66.0	56.3	84.5
39	35.6	29.4	44.2



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

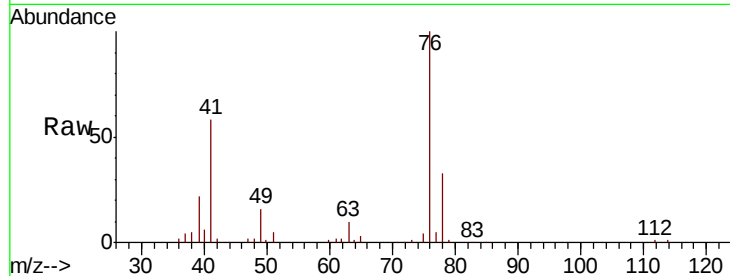




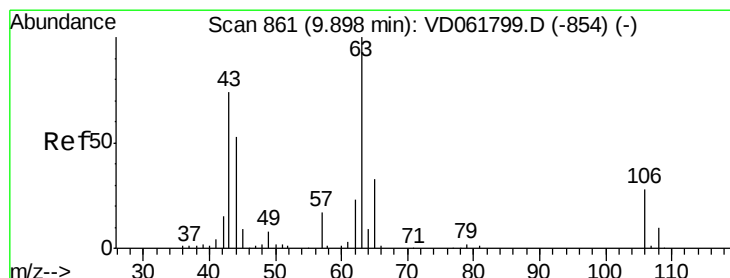
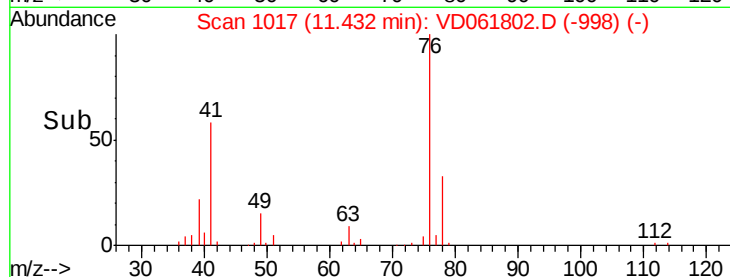
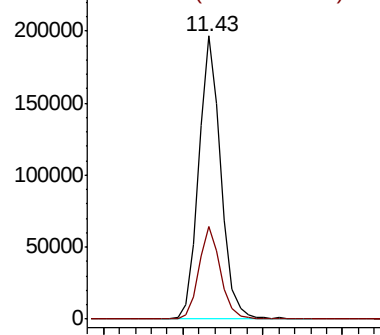
#57
 1,3-Dichloropropane
 Concen: 55.164 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 76 Resp: 382977
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

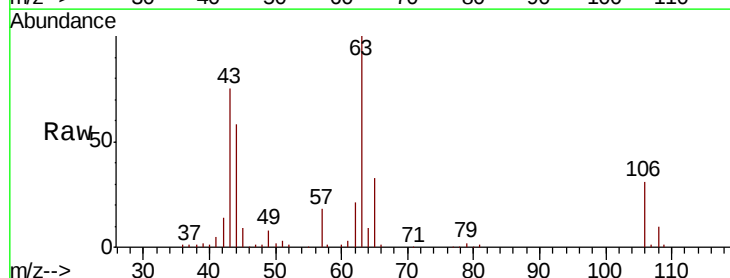


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

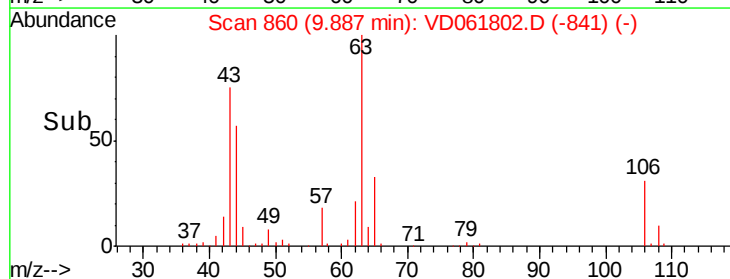
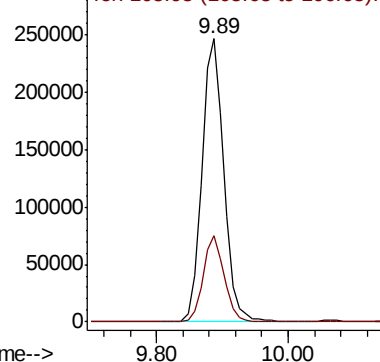


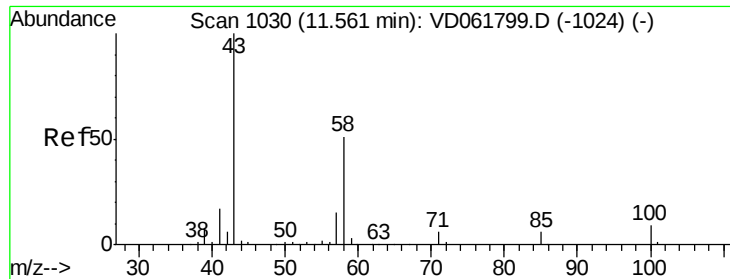
#58
 2-Chloroethyl Vinyl ether
 Concen: 237.724 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 63 Resp: 573084
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

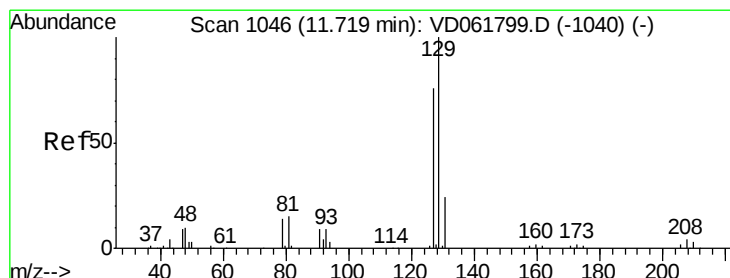
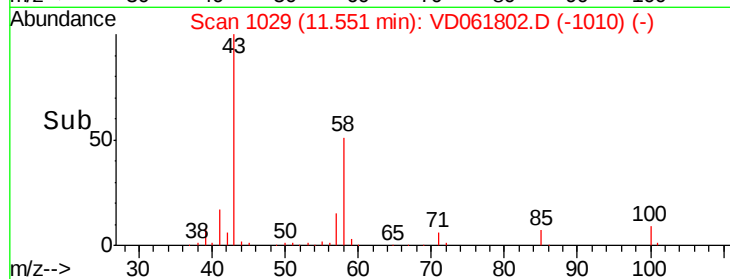
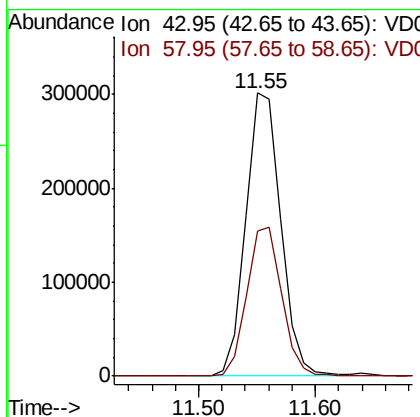
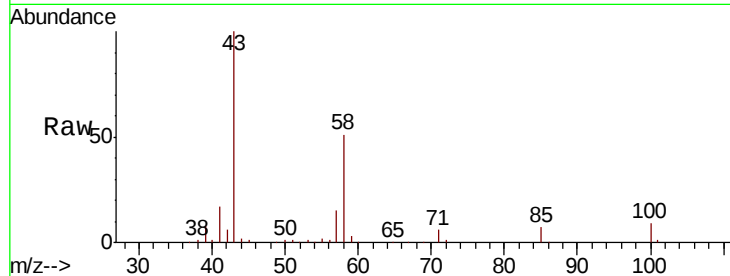




#59
2-Hexanone
Concen: 257.297 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

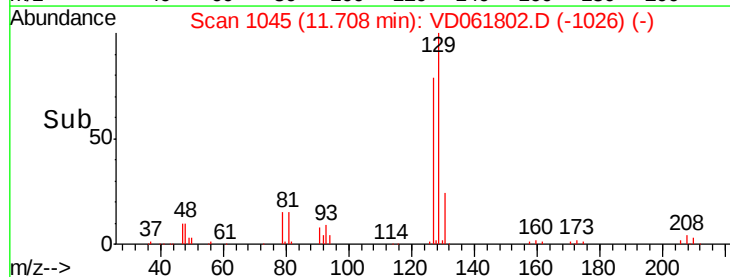
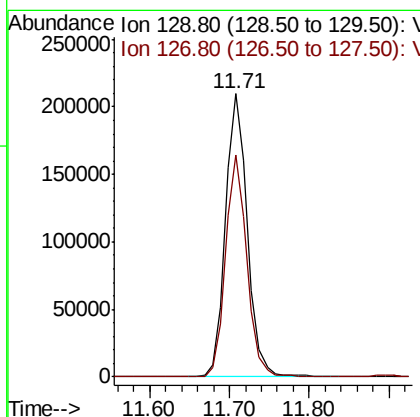
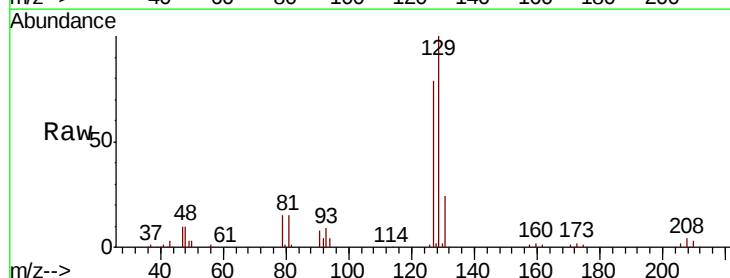
Instrument :
MSVOA_D
ClientSampleId :

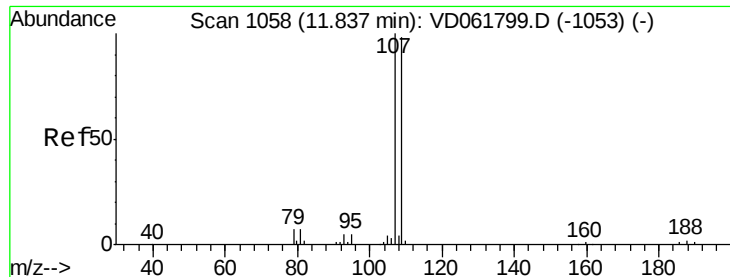
Tot Ion: 43 Resp: 626981
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#60
Dibromochloromethane
Concen: 53.606 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 129 Resp: 405047
Ion Ratio Lower Upper
129 100
127 78.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.995 ug/l

RT: 11.83 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

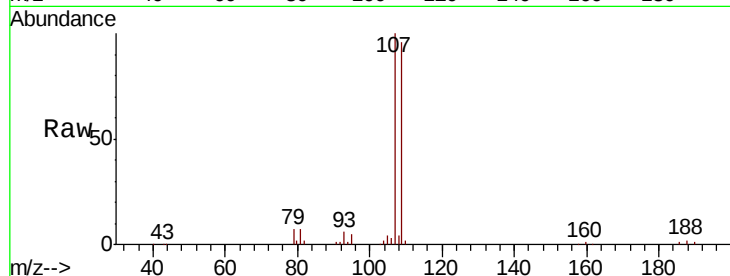
ClientSampleId :

Tot Ion:107 Resp: 278205

Ion Ratio Lower Upper

107 100

109 96.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.83

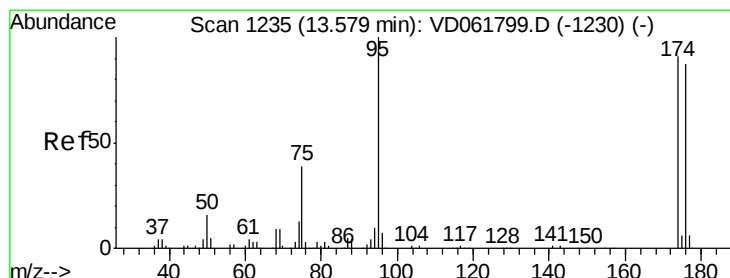
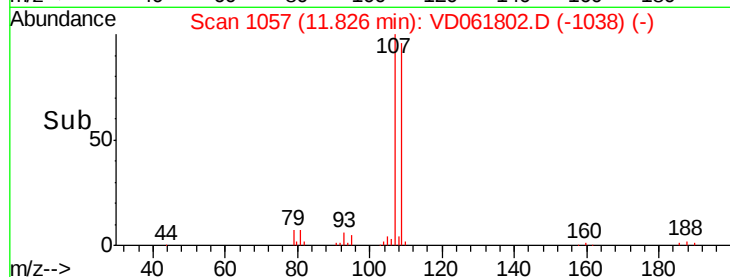
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 48.995 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

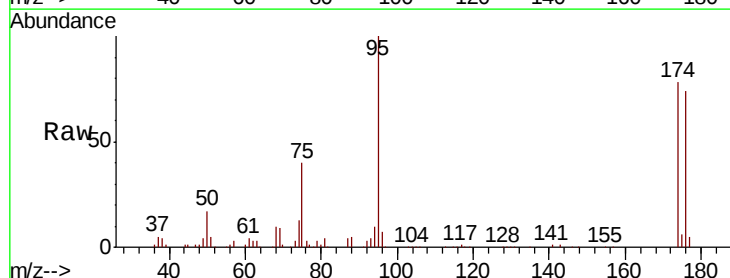
Tgt Ion: 95 Resp: 417099

Ion Ratio Lower Upper

95 100

174 77.8 0.0 181.8

176 74.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.57

400000

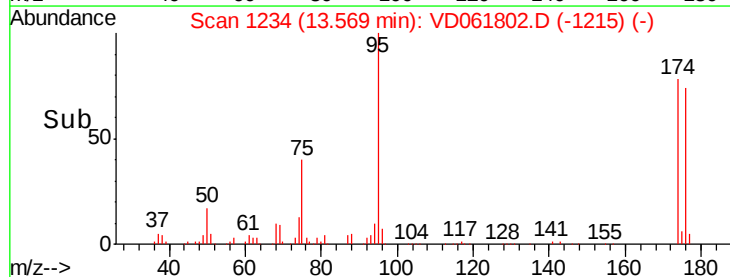
300000

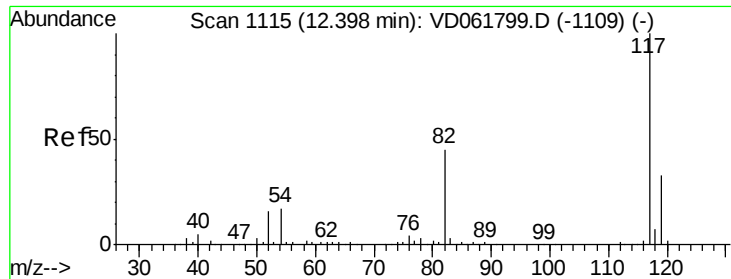
200000

100000

0

Time--> 13.50 13.60

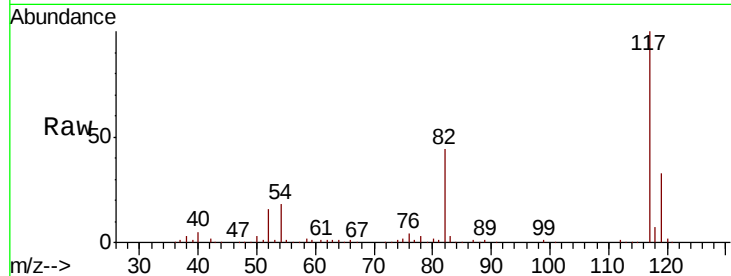




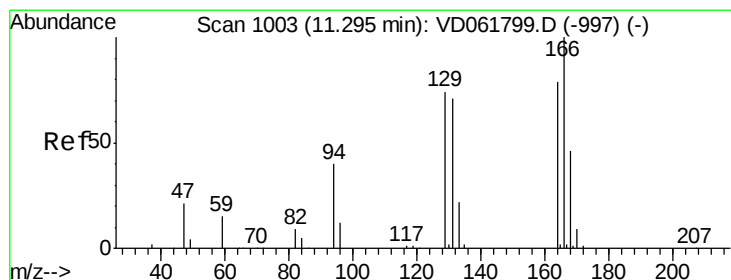
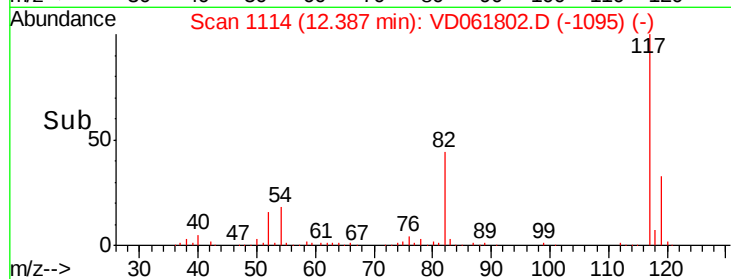
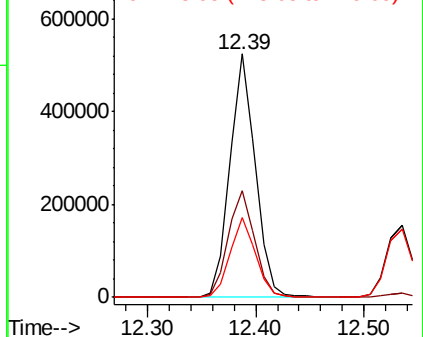
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 860329
Ion Ratio Lower Upper
117 100
82 44.0 36.2 54.2
119 32.7 26.2 39.4

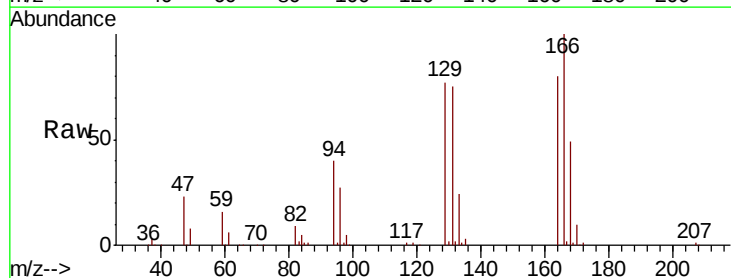


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

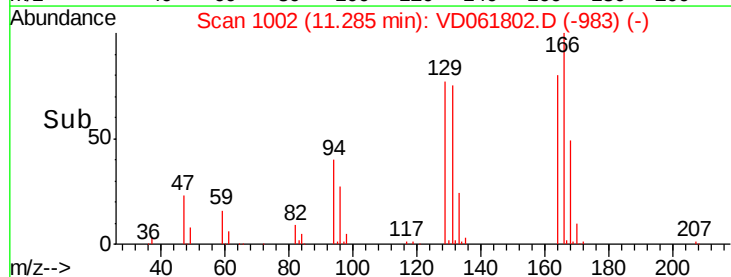
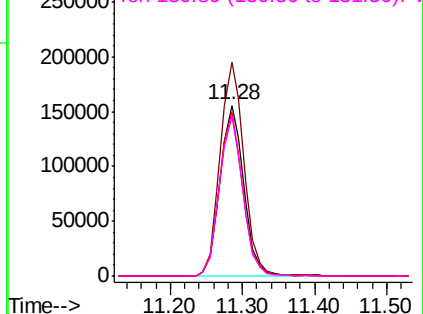


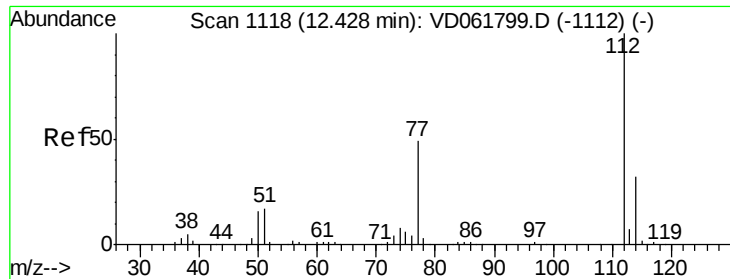
#64
Tetrachloroethene
Concen: 54.574 ug/l
RT: 11.28 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:164 Resp: 352118
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 95.9 74.6 112.0
131 93.8 72.6 108.8



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

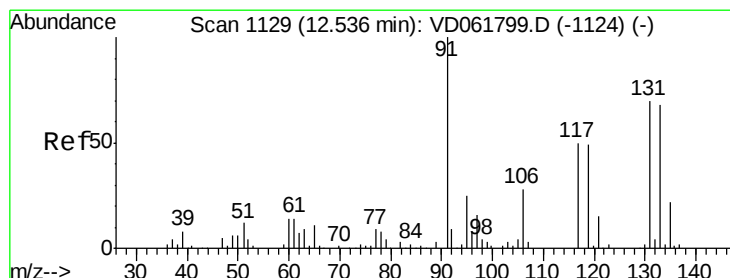
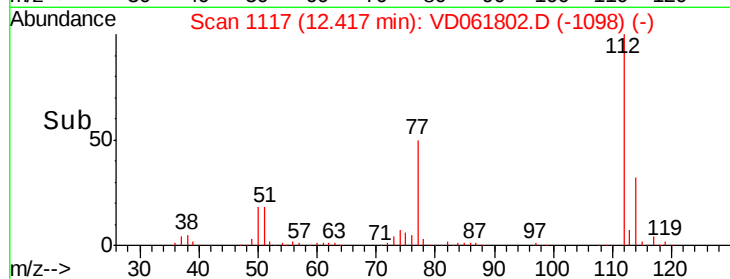
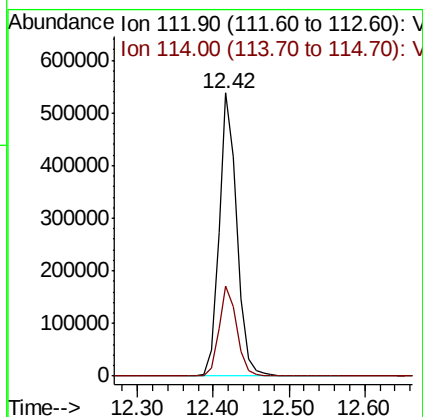
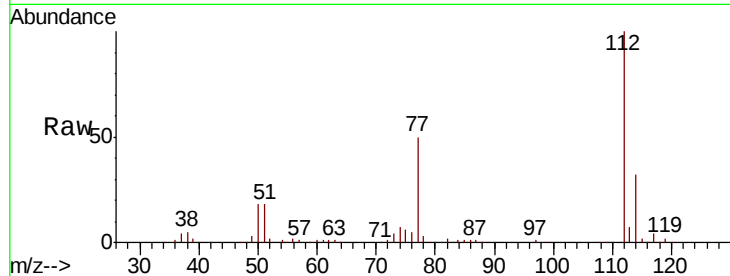




#65
Chlorobenzene
Concen: 54.625 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

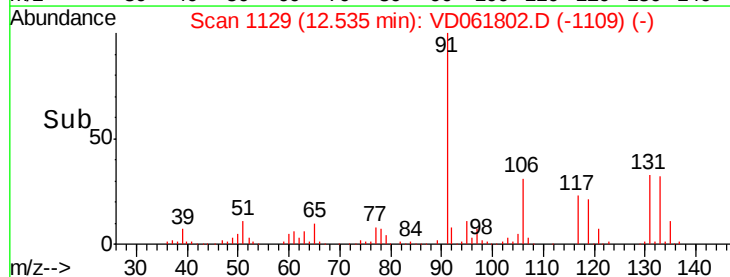
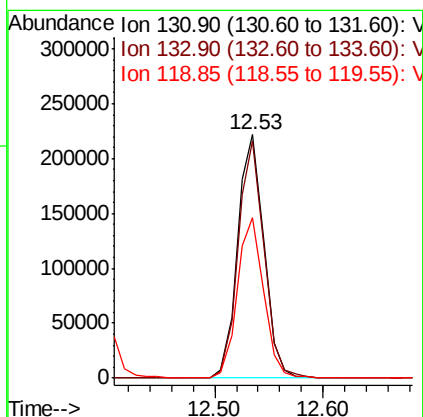
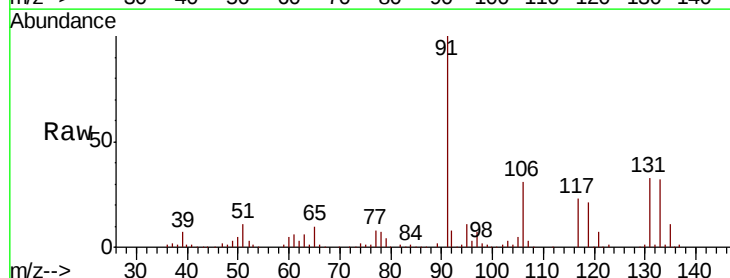
Instrument :
MSVOA_D
ClientSampleId :

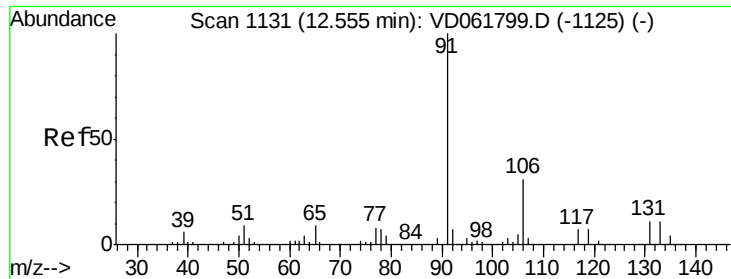
Tot Ion:112 Resp: 875209
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.716 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:131 Resp: 374097
Ion Ratio Lower Upper
131 100
133 97.6 48.6 145.8
119 65.8 34.7 104.1

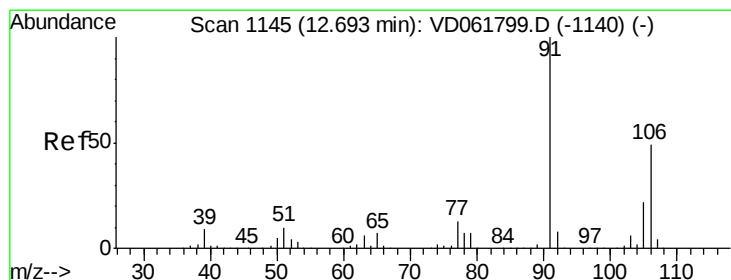
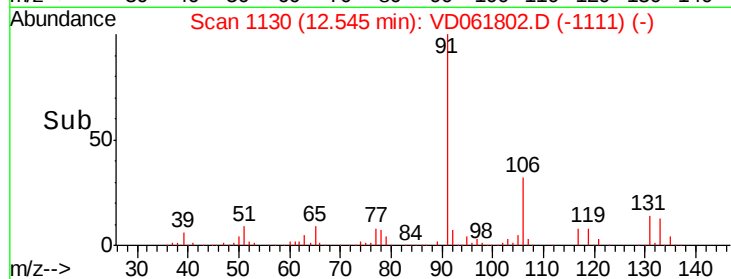
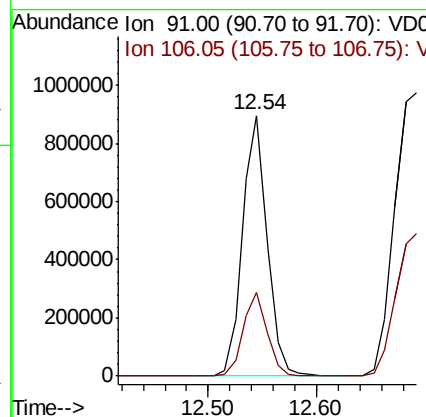
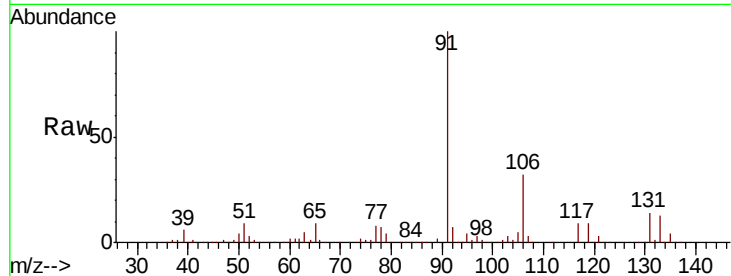




#67
Ethyl Benzene
Concen: 55.118 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

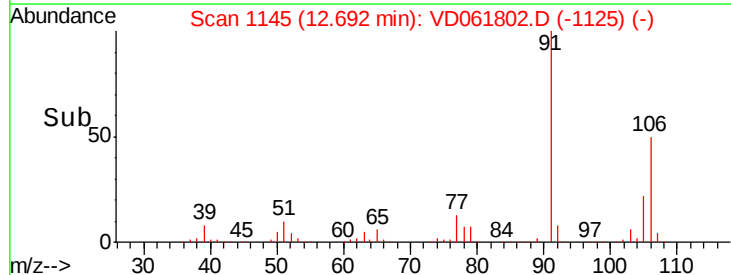
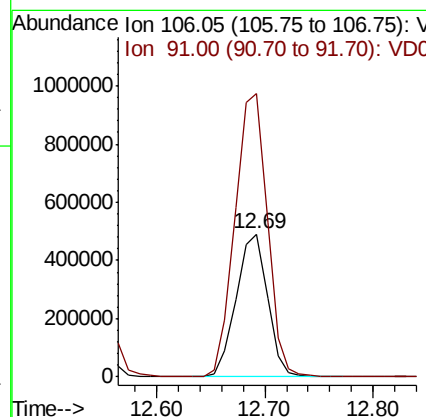
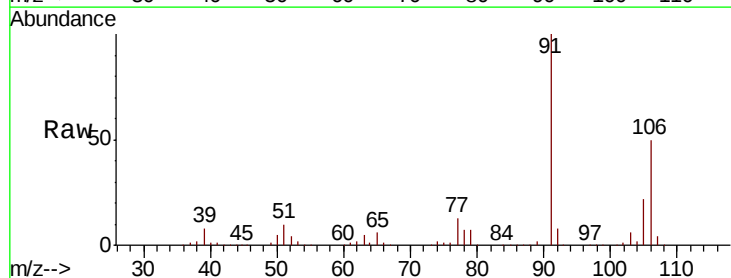
Instrument :
MSVOA_D
ClientSampleID :

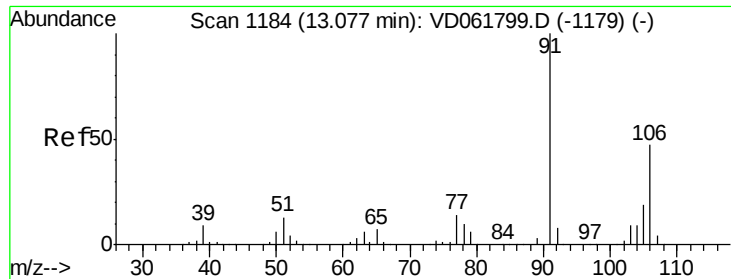
Tot Ion: 91 Resp: 1414244
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1



#68
m/p-Xylenes
Concen: 103.045 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:106 Resp: 993159
Ion Ratio Lower Upper
106 100
91 198.1 164.0 246.0

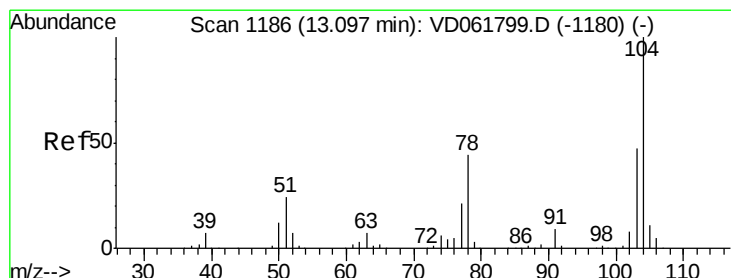
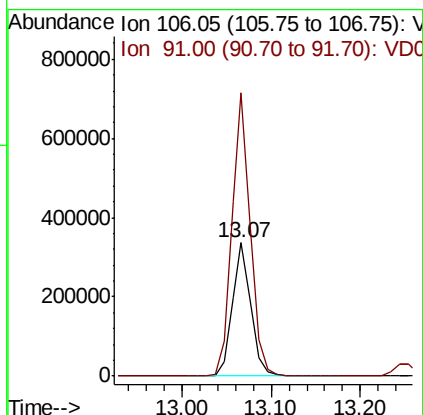
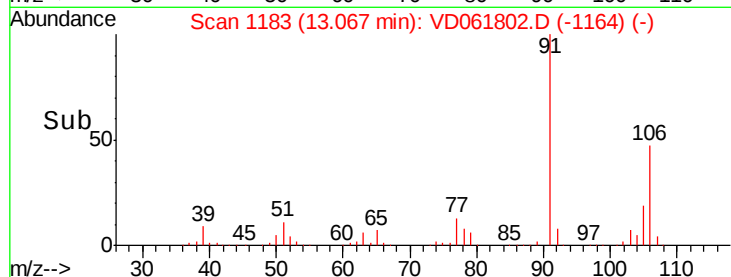
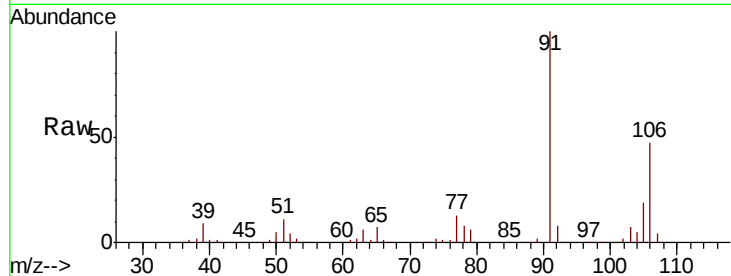




#69
o-Xylene
Concen: 54.431 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

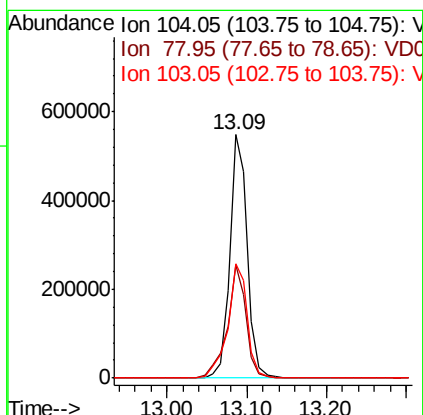
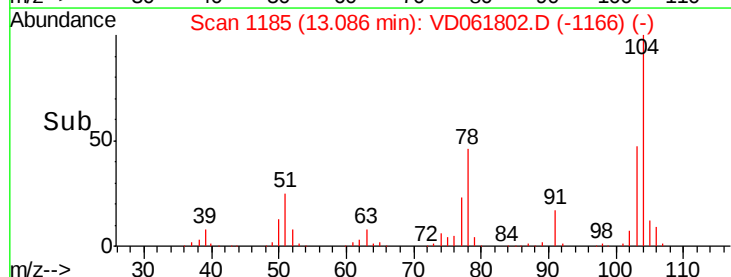
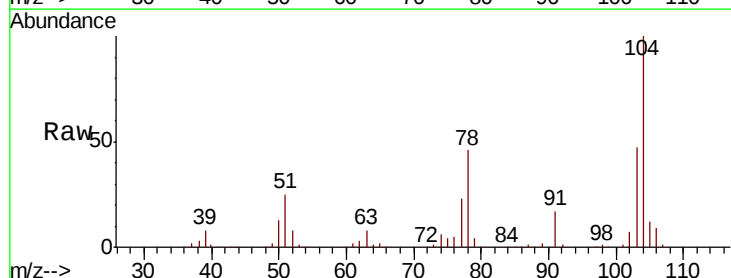
Instrument :
MSVOA_D
ClientSampled :

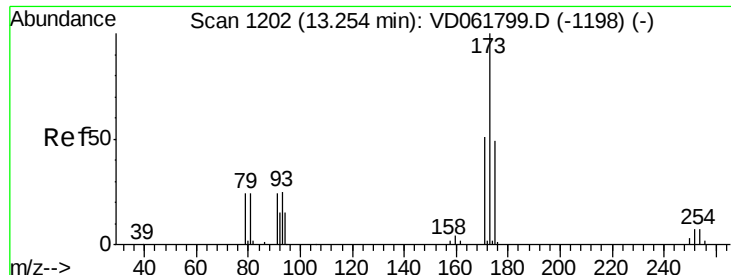
Tot Ion:106 Resp: 493100
Ion Ratio Lower Upper
106 100
91 212.3 106.7 319.9



#70
Styrene
Concen: 53.815 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:104 Resp: 838944
Ion Ratio Lower Upper
104 100
78 46.4 35.4 53.2
103 47.2 37.5 56.3





#71

Bromoform

Concen: 55.087 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

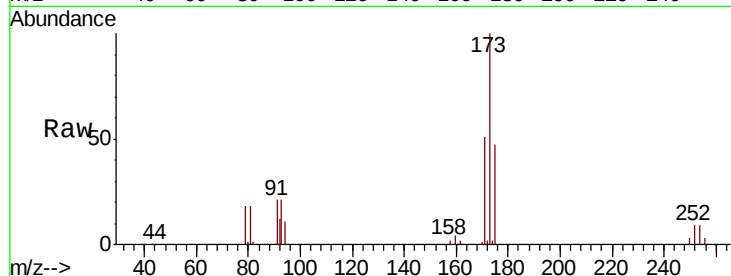
Tot Ion:173 Resp: 219550

Ion Ratio Lower Upper

173 100

175 47.0 24.4 73.4

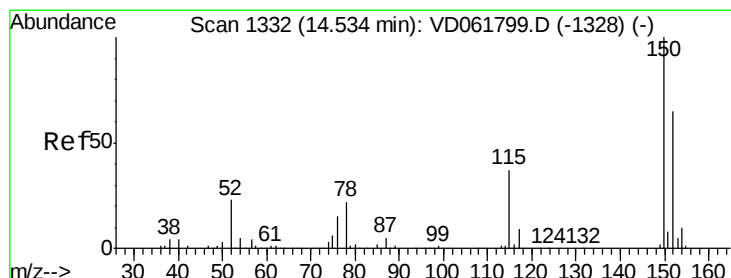
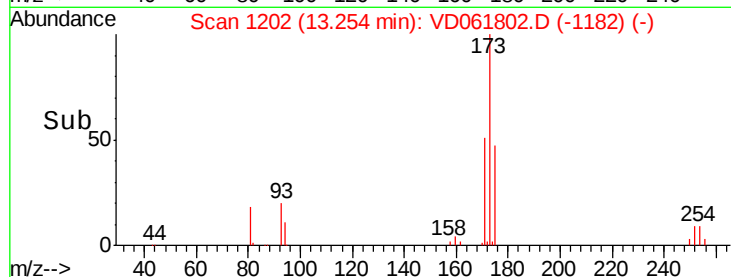
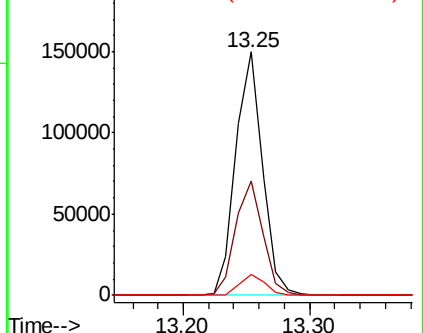
254 8.5 5.4 8.2#



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: 14.53 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

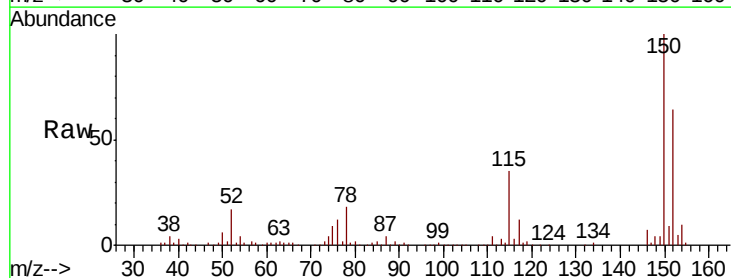
Tgt Ion:152 Resp: 381836

Ion Ratio Lower Upper

152 100

115 54.5 30.9 92.7

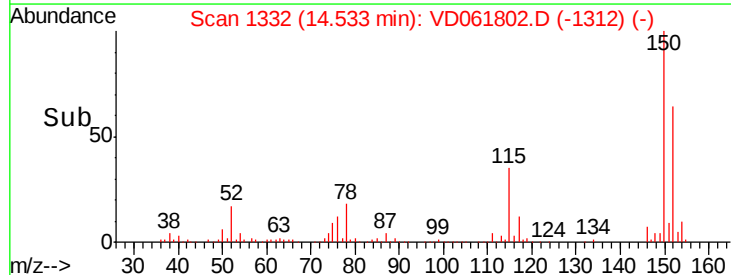
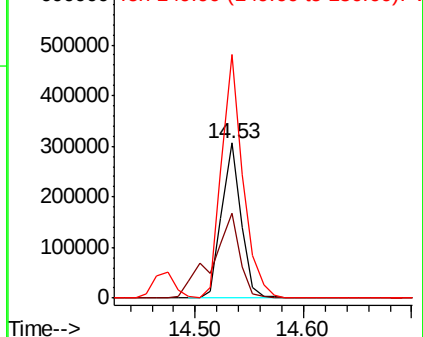
150 157.2 0.0 314.8

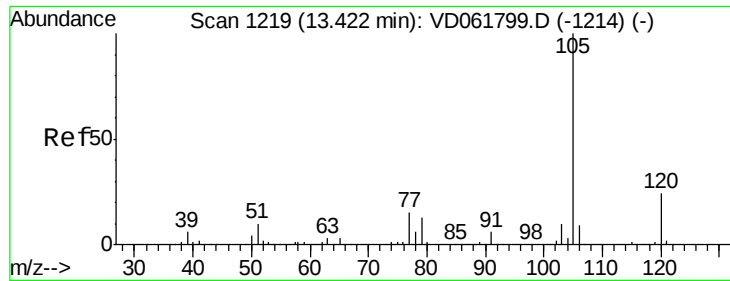


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.292 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

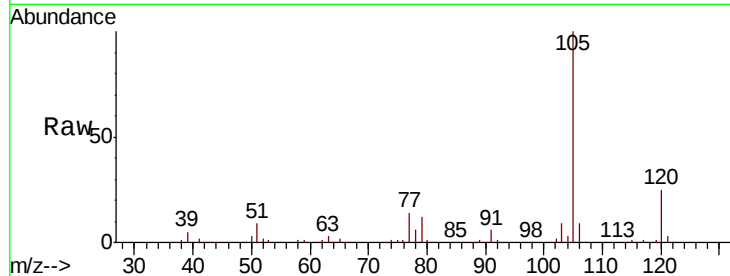
ClientSampleId :

Tot Ion:105 Resp: 1393984

Ion Ratio Lower Upper

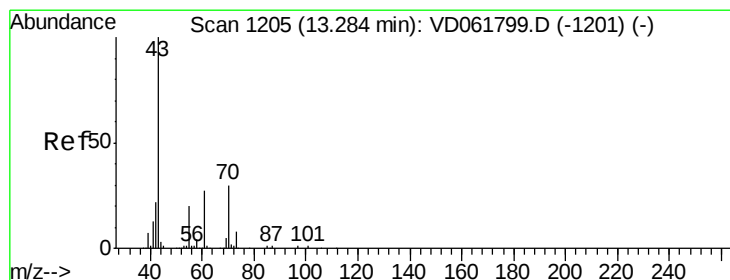
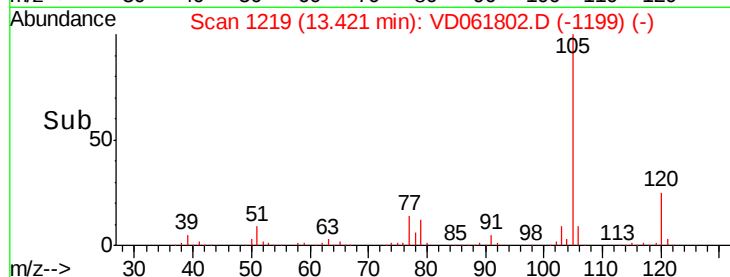
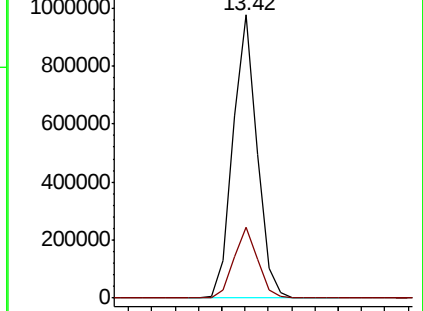
105 100

120 24.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.128 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion: 43 Resp: 360439

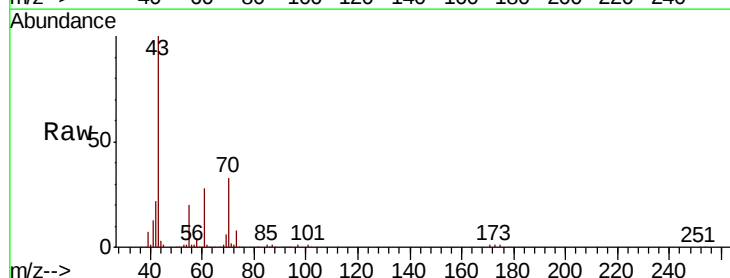
Ion Ratio Lower Upper

43 100

70 33.1 24.2 36.4

55 20.0 16.0 24.0

61 27.9 21.6 32.4

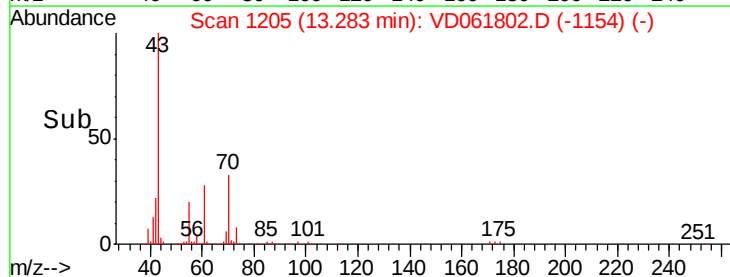
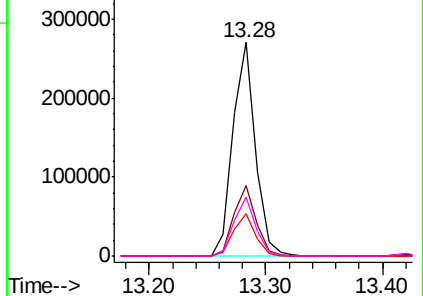


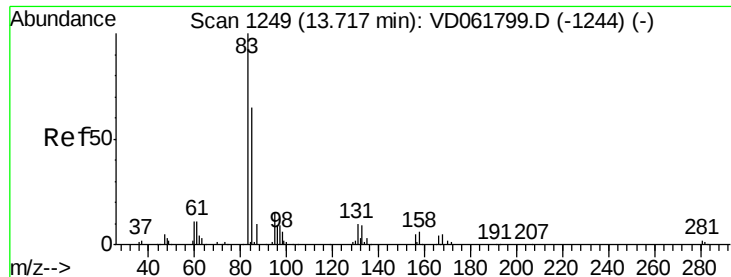
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.477 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

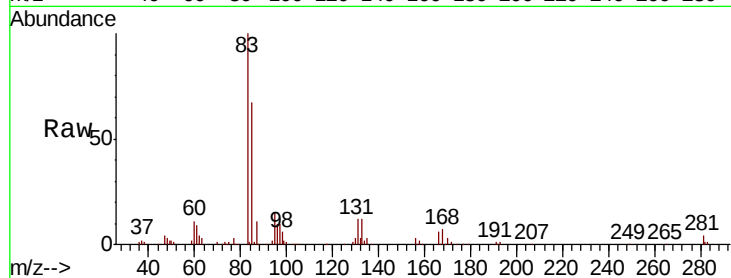
Tot Ion: 83 Resp: 271555

Ion Ratio Lower Upper

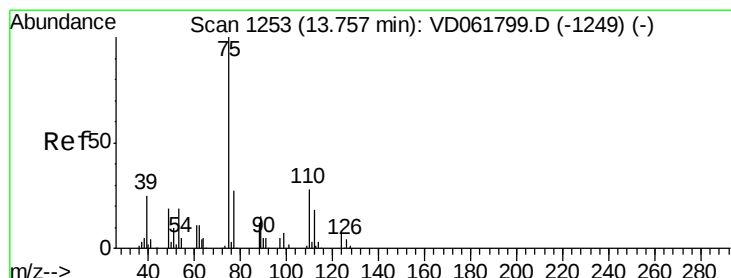
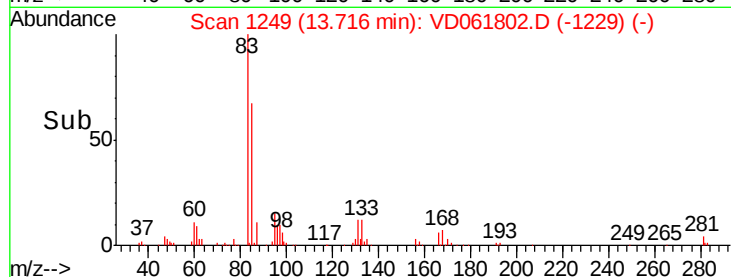
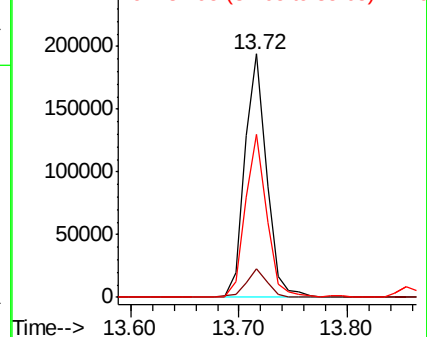
83 100

131 11.9 5.0 14.9

85 66.9 32.6 97.7



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: 56.119 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD061802.D

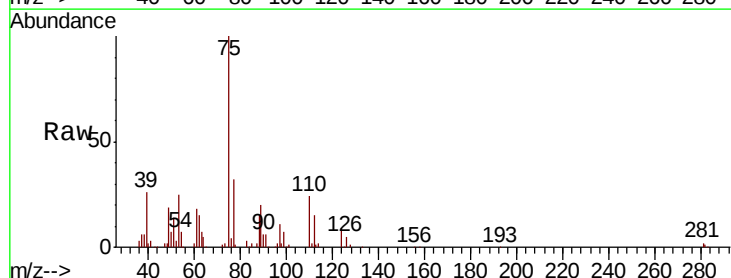
Acq: 15 Apr 2019 18:42

Tgt Ion: 75 Resp: 281412

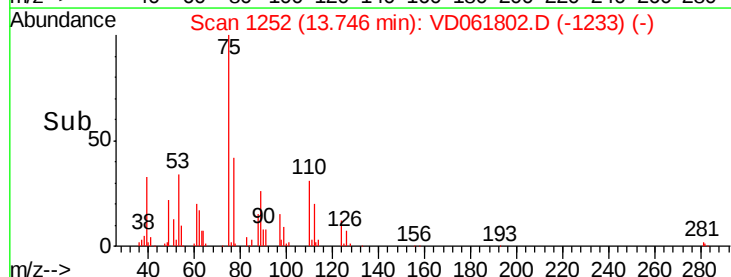
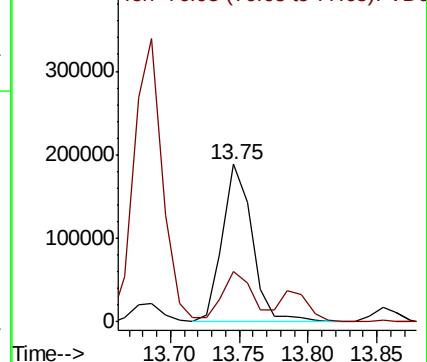
Ion Ratio Lower Upper

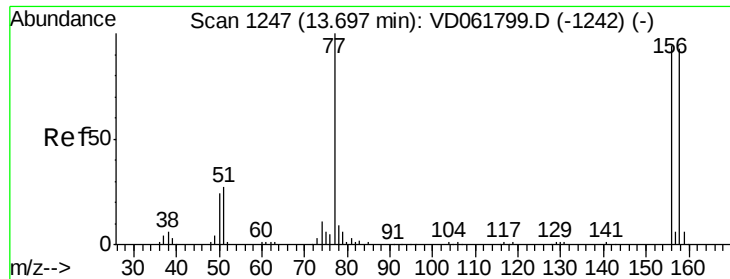
75 100

77 32.1 16.4 49.4



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





#77

Bromobenzene

Concen: 57.101 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

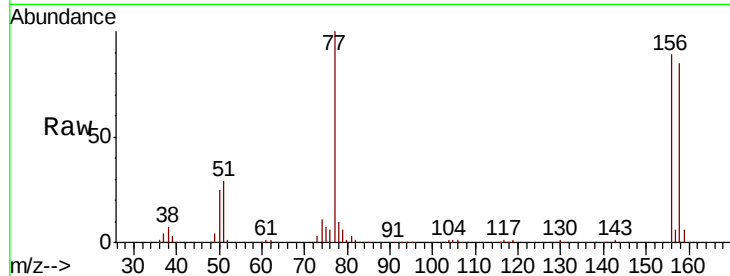
Tot Ion:156 Resp: 401670

Ion Ratio Lower Upper

156 100

77 112.2 53.1 159.4

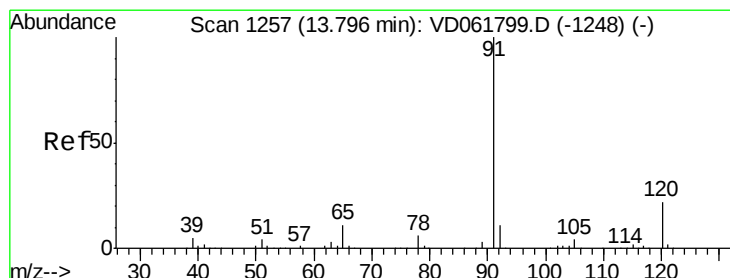
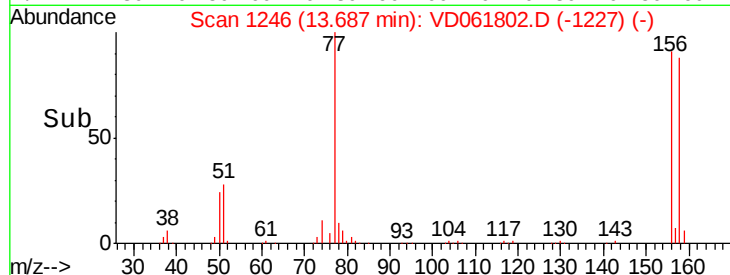
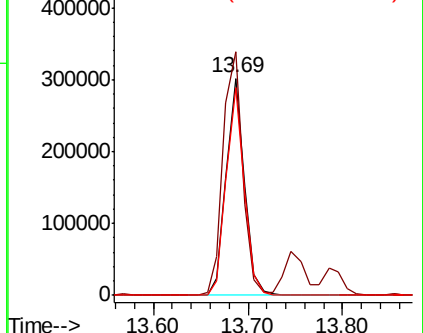
158 95.7 49.4 148.0



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: 52.581 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD061802.D

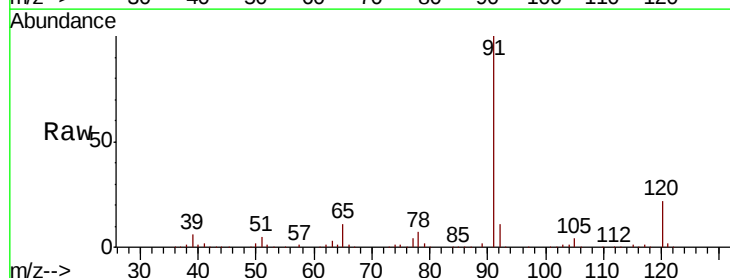
Acq: 15 Apr 2019 18:42

Tgt Ion: 91 Resp: 1504352

Ion Ratio Lower Upper

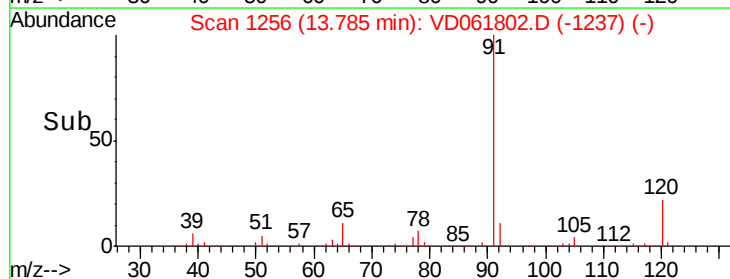
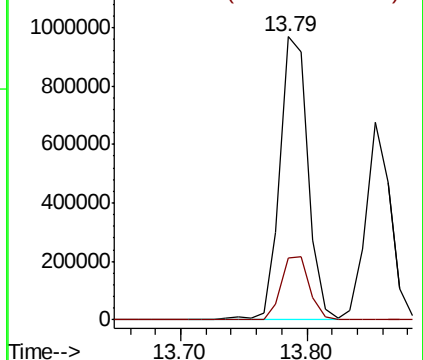
91 100

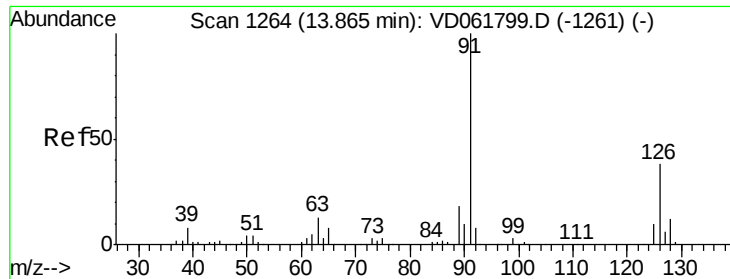
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

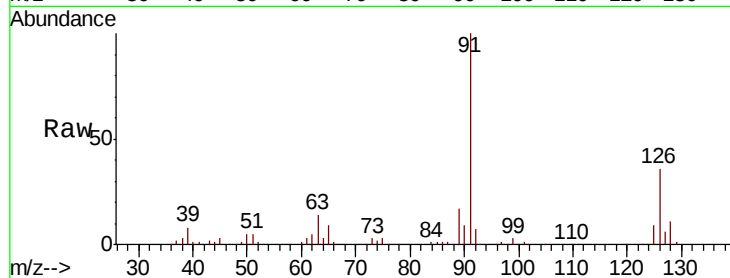




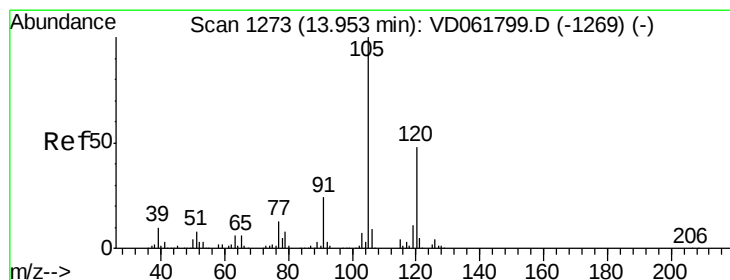
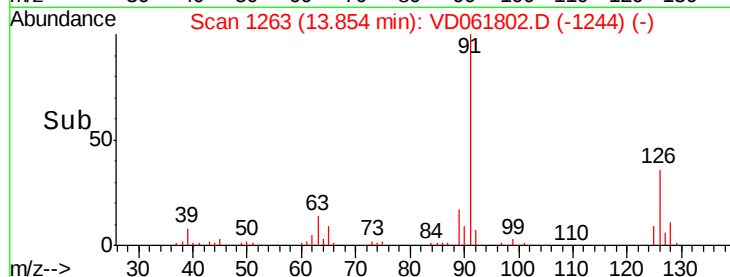
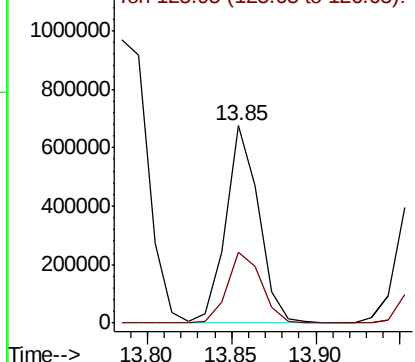
#79
 2-Chlorotoluene
 Concen: 54.517 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 911168
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.6 55.8

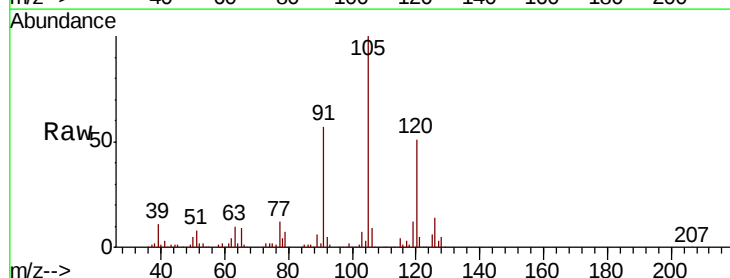


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

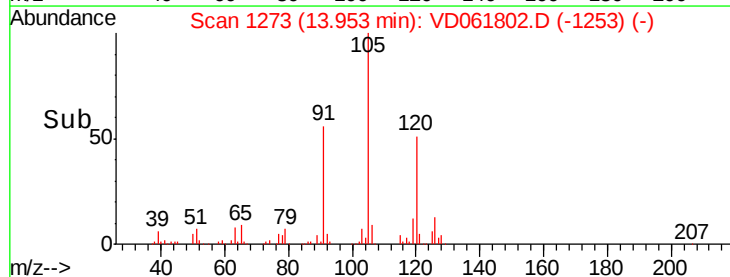
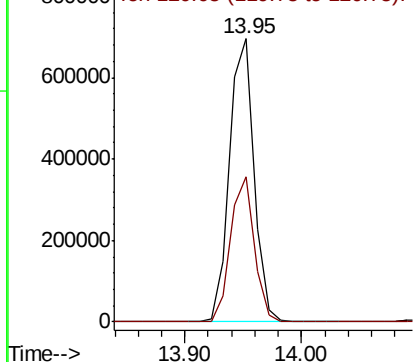


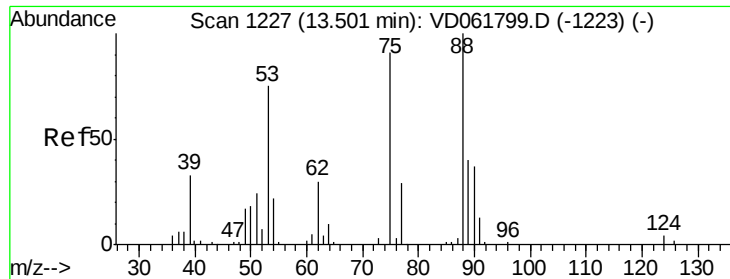
#80
 1,3,5-Trimethylbenzene
 Concen: 51.565 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 105 Resp: 1013197
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.0 72.0



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

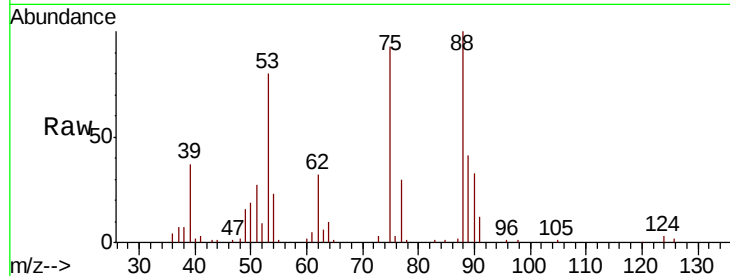




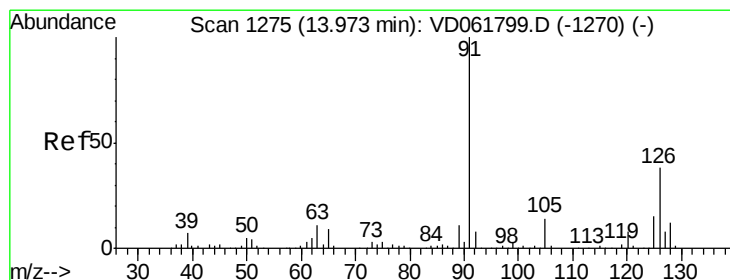
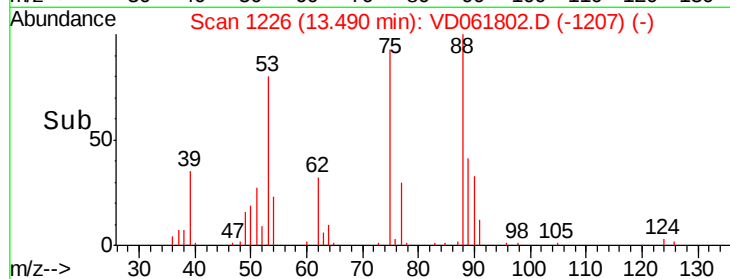
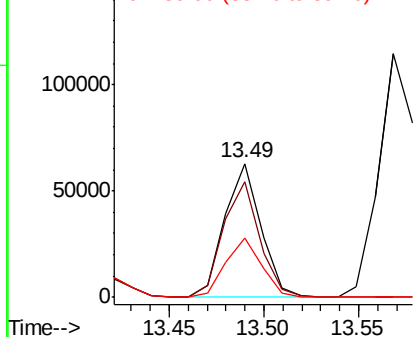
#81
trans-1,4-Dichloro-2-butene
Concen: 51.486 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 75 Resp: 83854
Ion Ratio Lower Upper
75 100
53 86.2 65.8 98.8
89 44.7 35.0 52.6

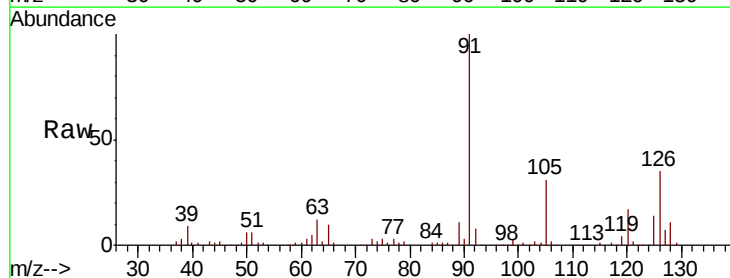


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

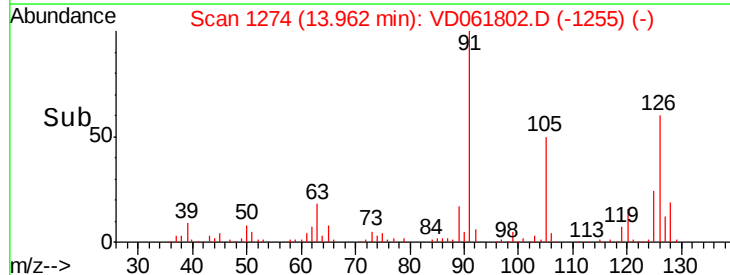
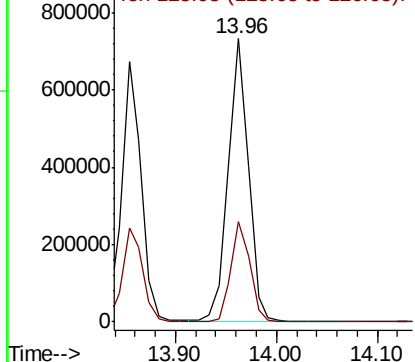


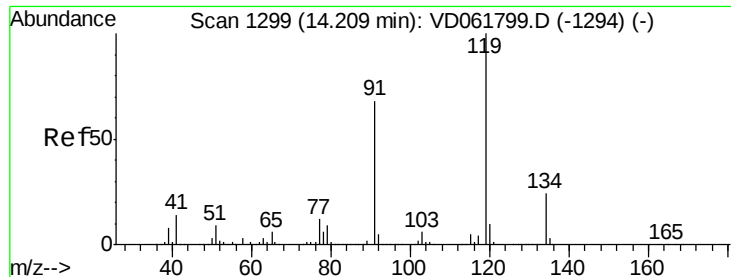
#82
4-Chlorotoluene
Concen: 53.150 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 91 Resp: 1016785
Ion Ratio Lower Upper
91 100
126 35.4 19.1 57.5



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

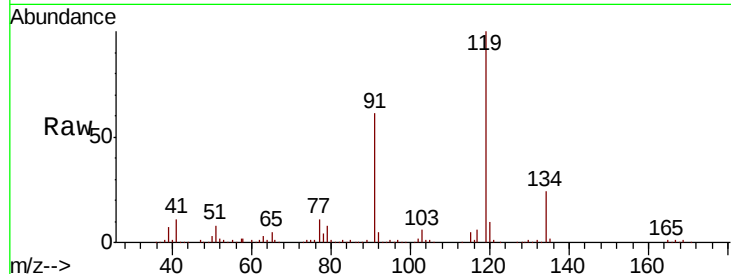




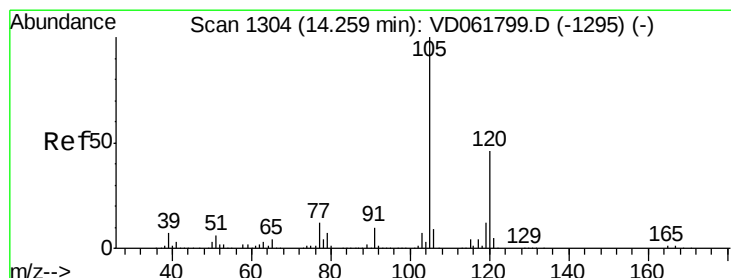
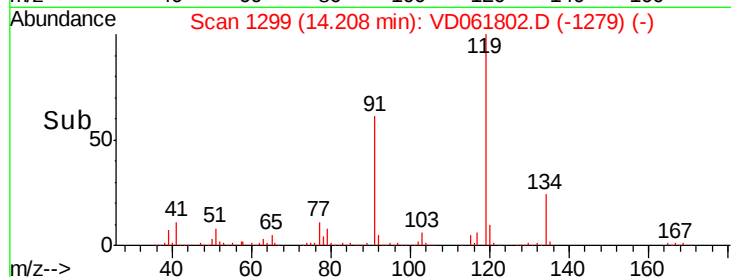
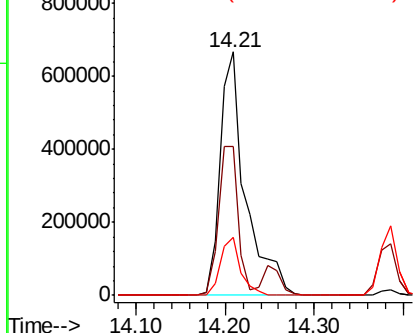
#83
tert-Butylbenzene
Concen: 57.669 ug/l
RT: 14.21 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 1330507
Ion Ratio Lower Upper
119 100
91 61.4 34.2 102.6
134 23.7 12.0 36.0

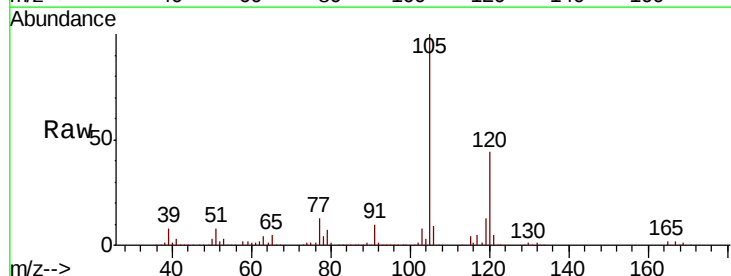


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

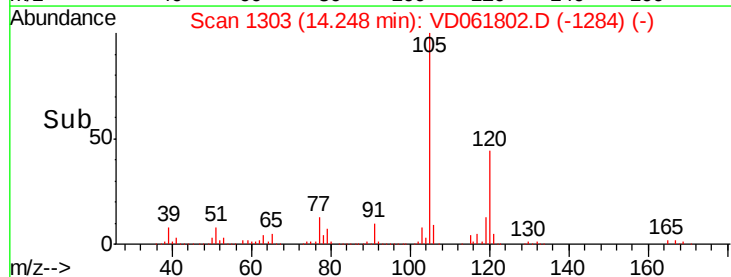
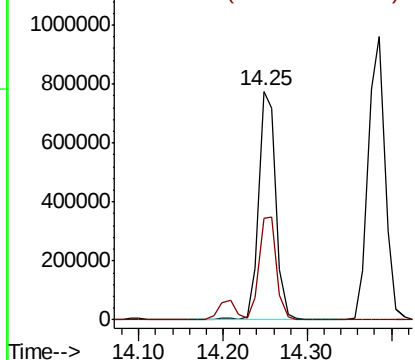


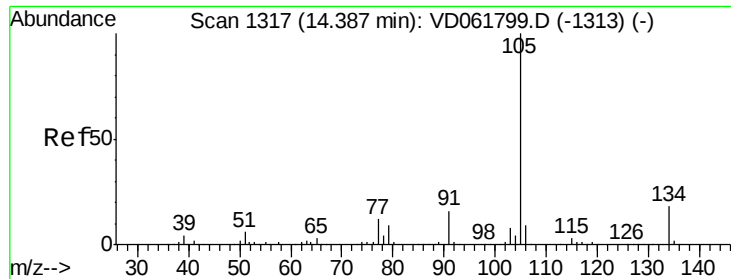
#84
1,2,4-Trimethylbenzene
Concen: 56.640 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:105 Resp: 1118695
Ion Ratio Lower Upper
105 100
120 44.4 23.1 69.2



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

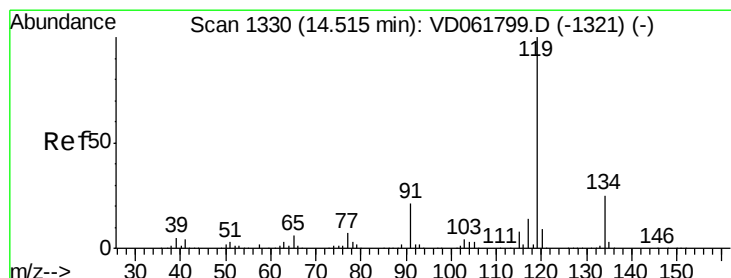
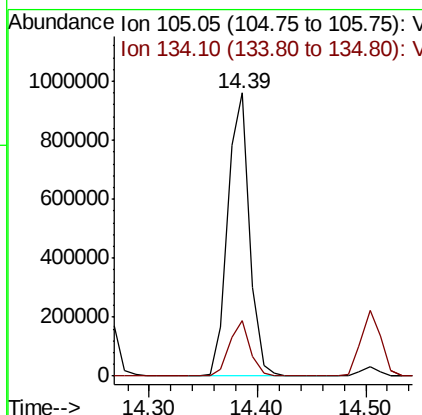
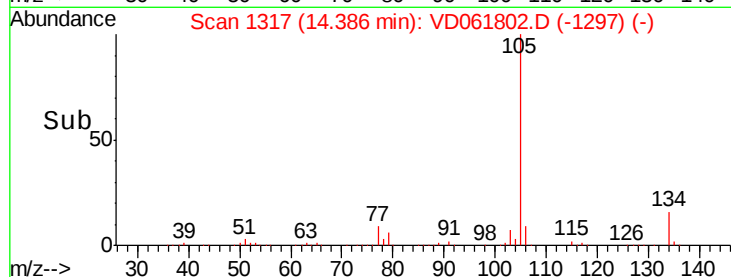
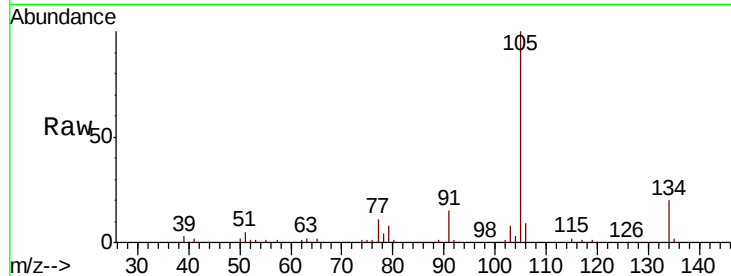




#85
 sec-Butylbenzene
 Concen: 56.066 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

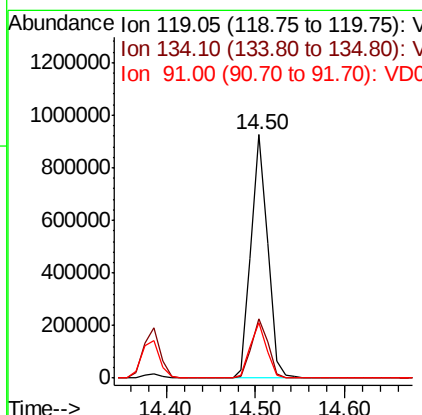
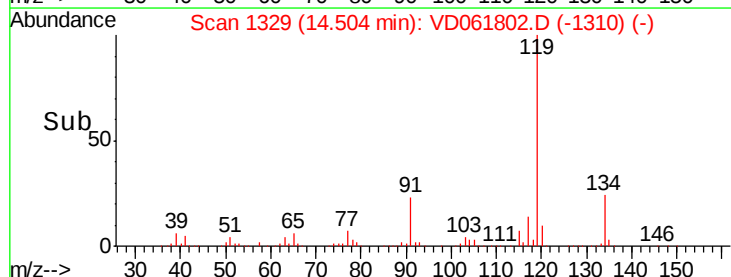
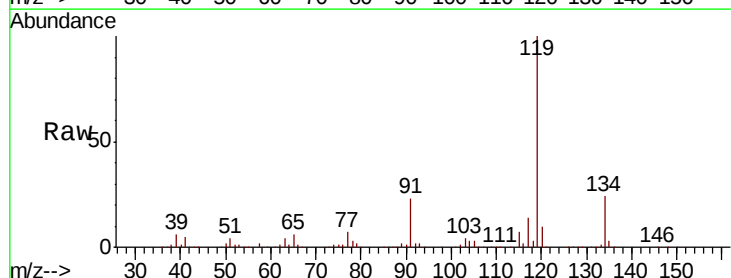
Instrument :
 MSVOA_D
 ClientSampleId :

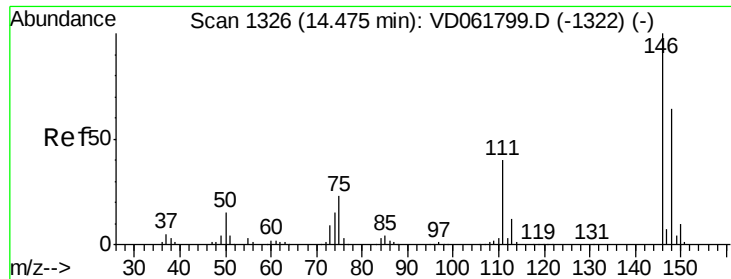
Tot Ion:105 Resp: 1337186
 Ion Ratio Lower Upper
 105 100
 134 19.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 53.242 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion:119 Resp: 1188116
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 23.0 10.7 32.1

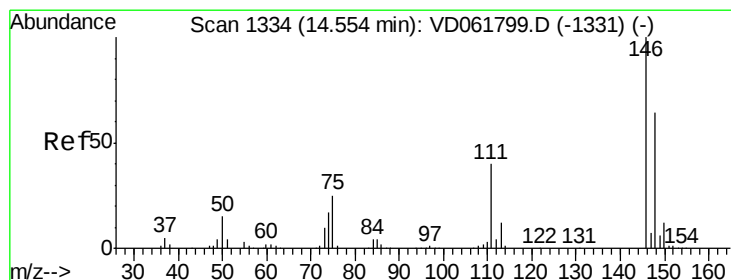
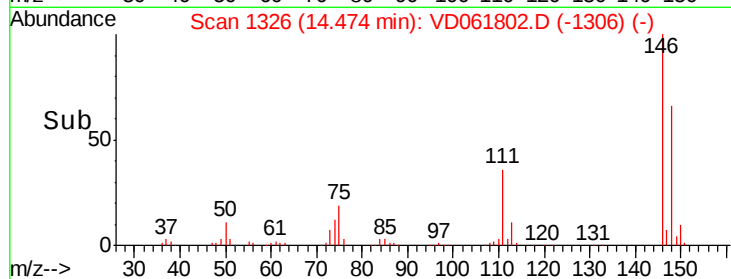
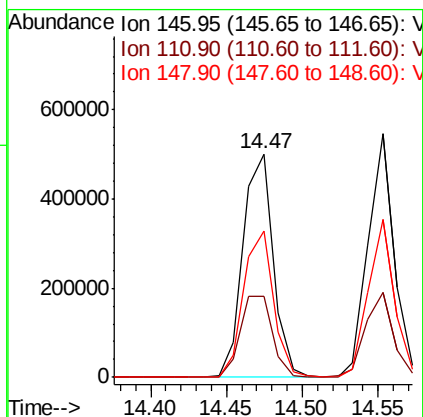
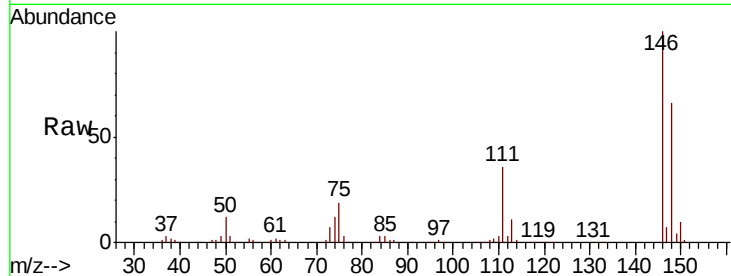




#87
 1,3-Dichlorobenzene
 Concen: 56.891 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

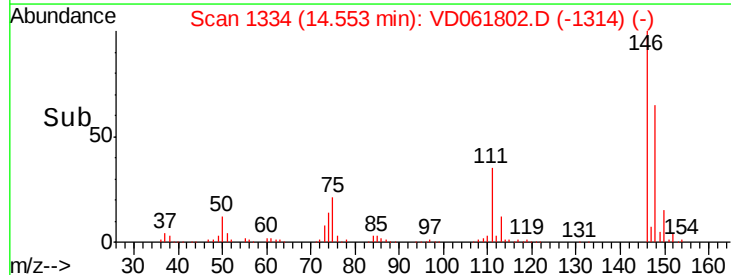
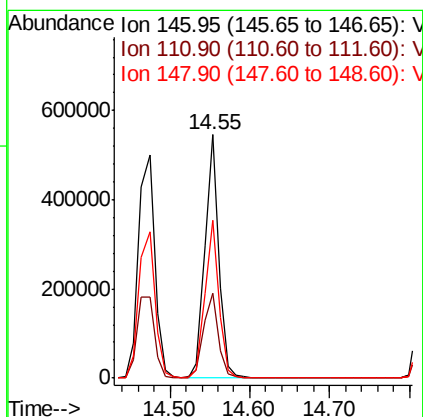
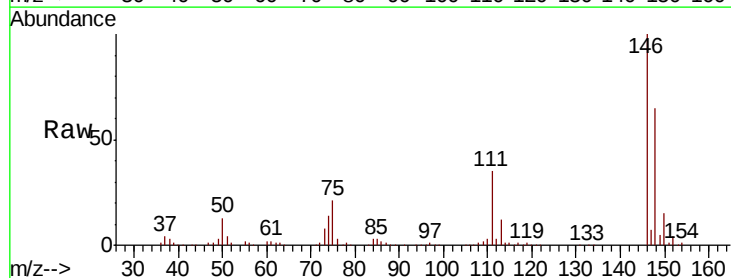
Instrument :
 MSVOA_D
 ClientSampled :

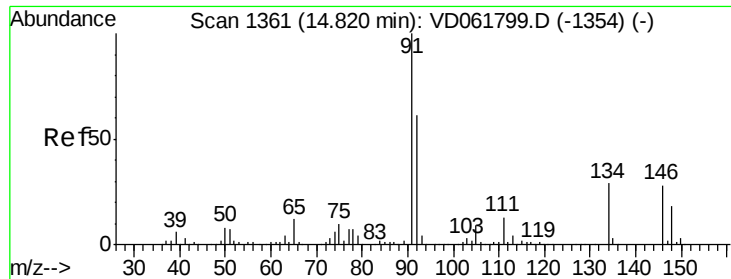
Tot Ion:146 Resp: 698636
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.0 60.0
 148 65.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 54.621 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion:146 Resp: 663049
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.2 60.5
 148 64.9 32.0 96.2

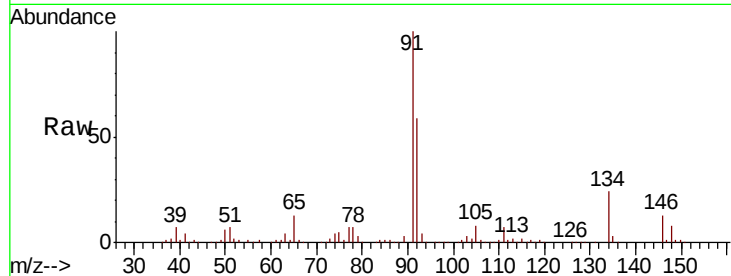




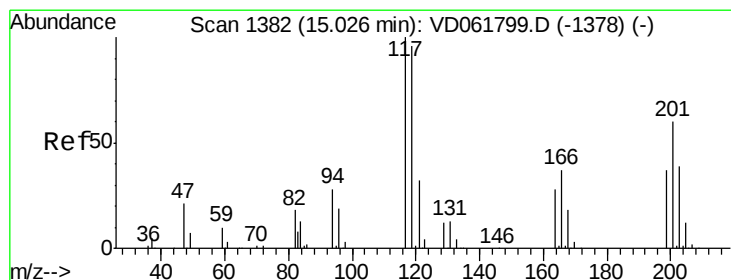
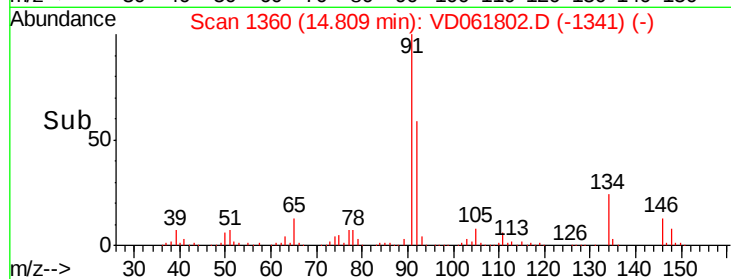
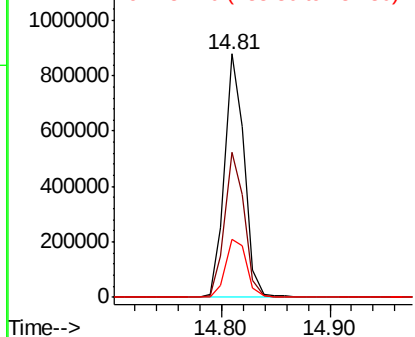
#89
n-Butylbenzene
Concen: 56.180 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1109732
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 24.1 14.5 43.6

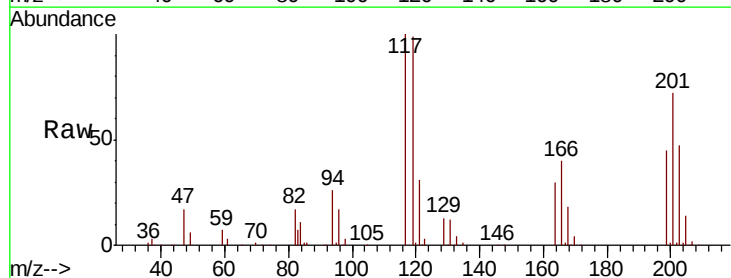


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

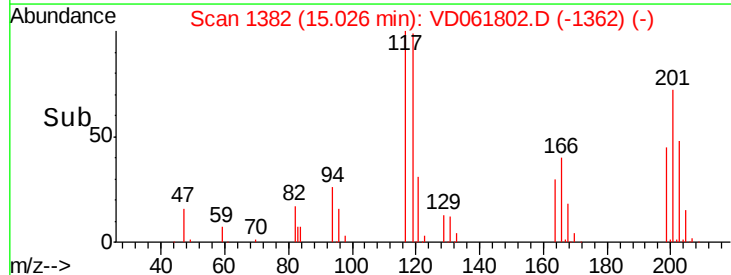
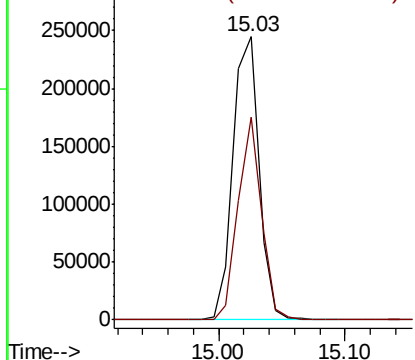


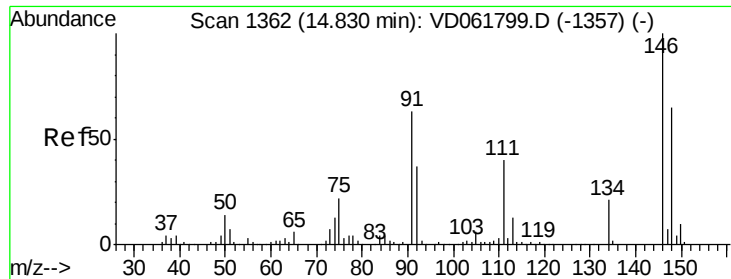
#90
Hexachloroethane
Concen: 57.168 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 117 Resp: 347711
Ion Ratio Lower Upper
117 100
201 71.6 30.2 90.6



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

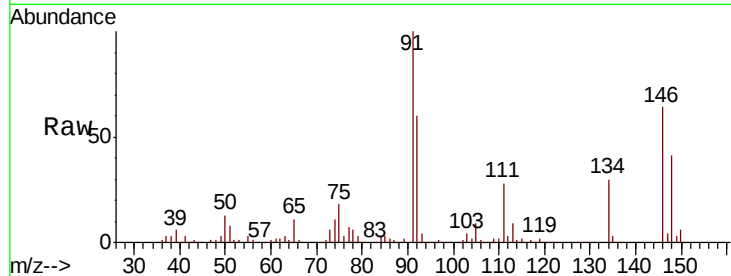




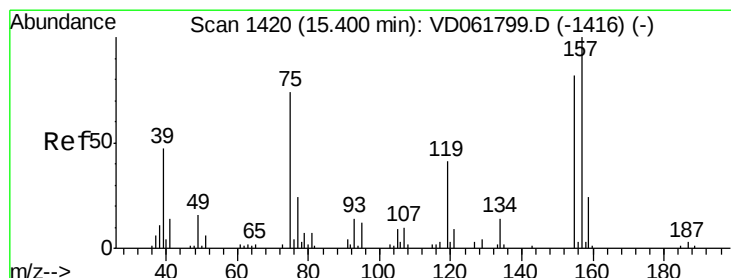
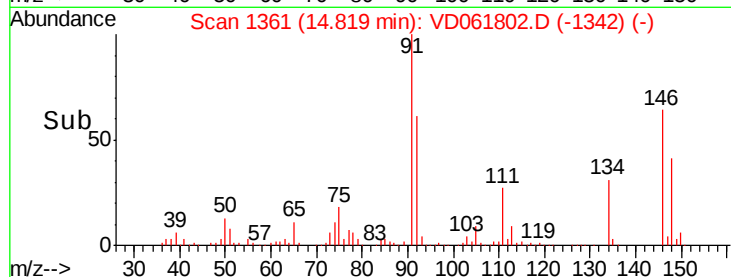
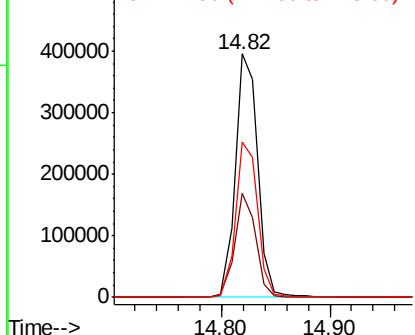
#91
 1,2-Dichlorobenzene
 Concen: 54.830 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 564006
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.0 59.9
 148 63.9 32.3 96.8

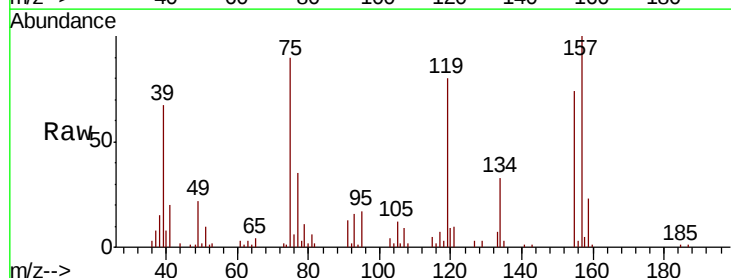


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

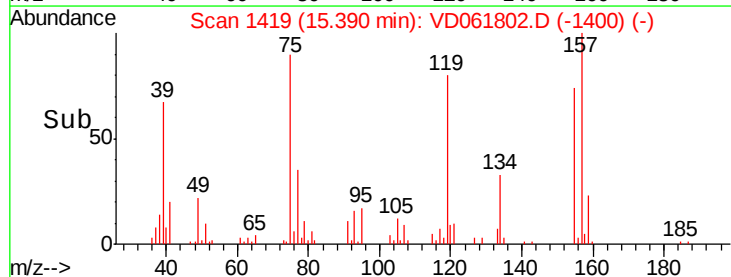
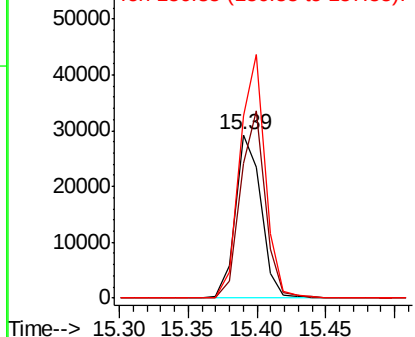


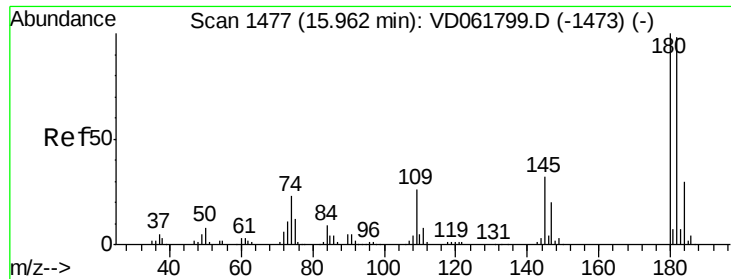
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.064 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 75 Resp: 38042
 Ion Ratio Lower Upper
 75 100
 155 82.7 55.3 165.8
 157 111.5 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

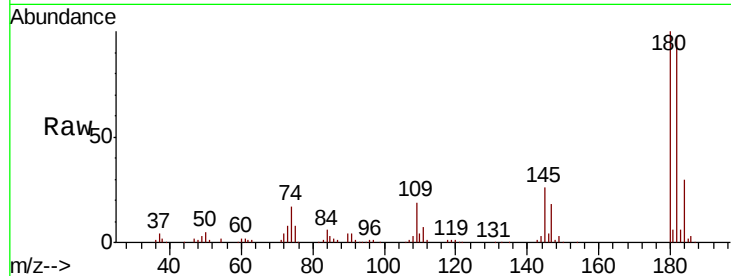




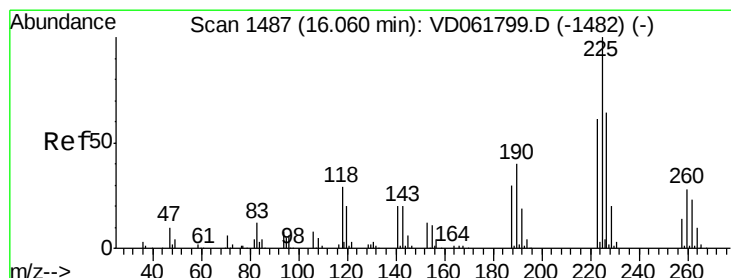
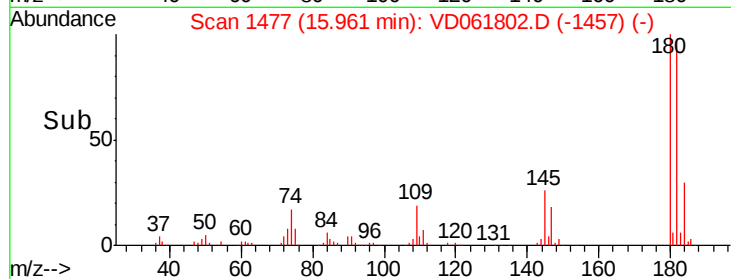
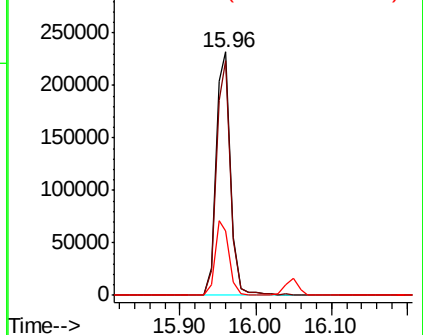
#93
 1,2,4-Trichlorobenzene
 Concen: 56.151 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.3	147.8
145	26.2	16.2	48.6

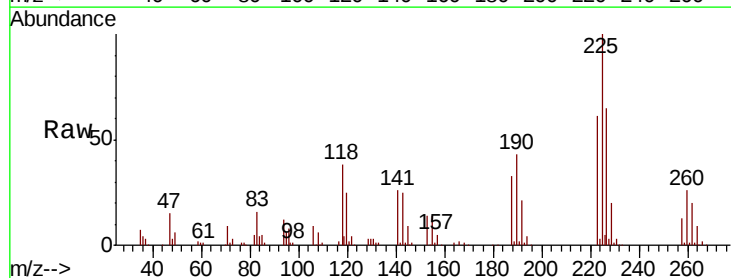


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

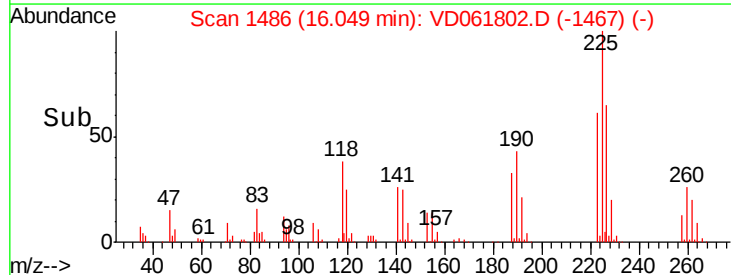
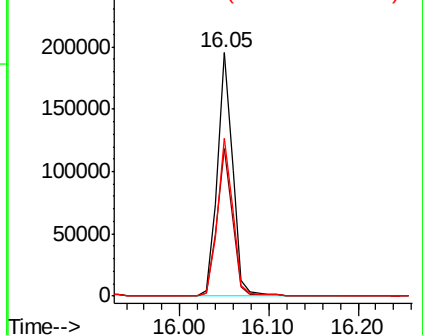


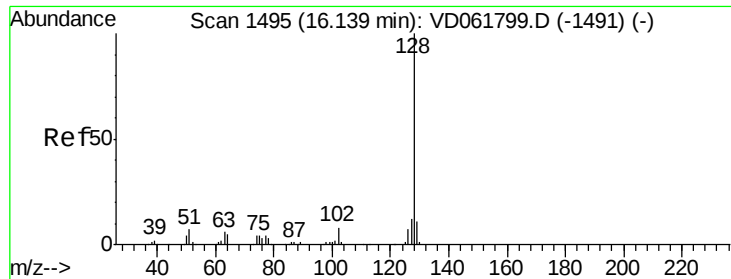
#94
 Hexachlorobutadiene
 Concen: 57.355 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	30.6	92.0
227	64.7	32.0	96.2



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: 53.393 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampled :

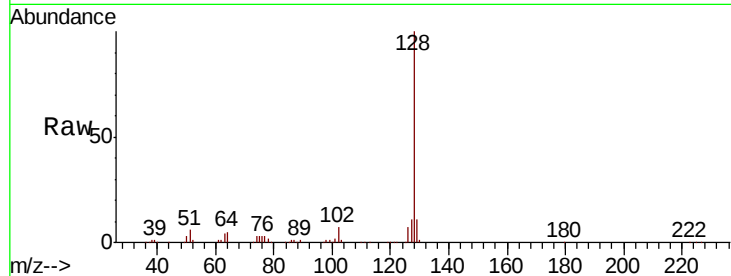
Tot Ion:128 Resp: 462351

Ion Ratio Lower Upper

128 100

127 11.2 9.8 14.8

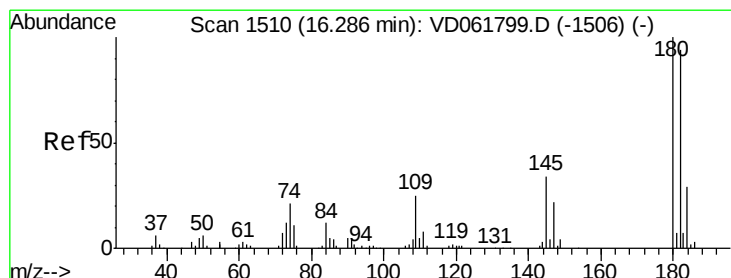
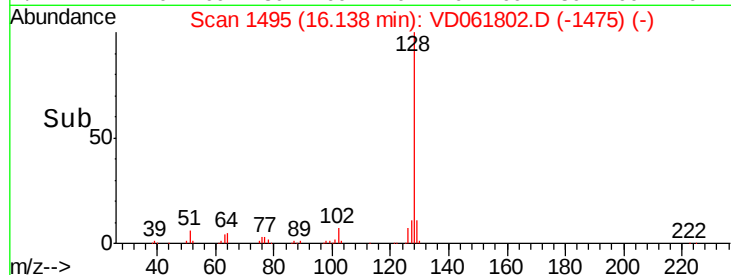
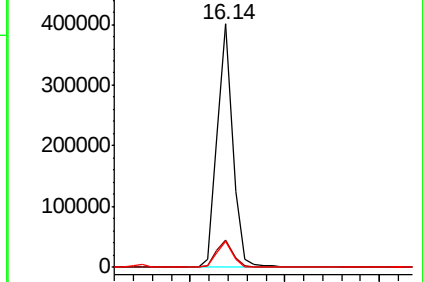
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.216 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

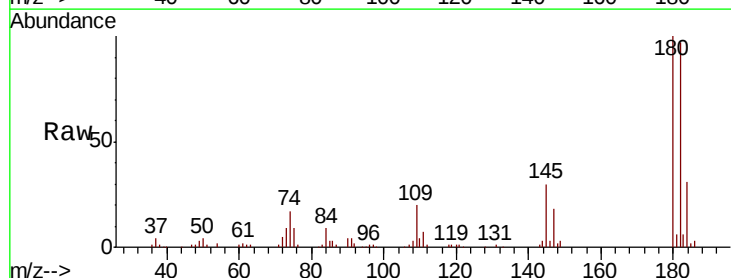
Tgt Ion:180 Resp: 168113

Ion Ratio Lower Upper

180 100

182 96.7 47.0 141.0

145 29.9 17.0 51.0



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

