

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059785.D
 Acq On : 15 Aug 2018 1:19
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 15 08:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	267570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	370216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	301613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	160475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	249313	61.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	122.52%		
35) Dibromofluoromethane	5.54	113	230841	62.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	124.50%		
50) Toluene-d8	8.70	98	541391	71.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	142.82%		
62) 4-Bromofluorobenzene	11.93	95	240588	64.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	129.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	235444	61.07	ug/l	100
3) Chloromethane	1.47	50	143258	92.60	ug/l	94
4) Vinyl Chloride	1.55	62	152898	80.42	ug/l	99
5) Bromomethane	1.79	94	45831	58.43	ug/l	93
6) Chloroethane	1.88	64	61068	64.65	ug/l	97
7) Trichlorofluoromethane	2.08	101	219813	56.14	ug/l	99
8) Diethyl Ether	2.34	74	45034	70.56	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.55	101	119727	59.05	ug/l	94
10) Methyl Iodide	2.68	142	153496	70.04	ug/l	92
11) Tert butyl alcohol	3.25	59	44491	313.47	ug/l	96
12) 1,1-Dichloroethene	2.54	96	90971	62.51	ug/l	98
13) Acrolein	2.47	56	39906	432.35	ug/l	86
14) Allyl chloride	2.92	41	222916	68.46	ug/l	98
15) Acrylonitrile	3.35	53	156843	428.41	ug/l	97
16) Acetone	2.60	43	204411	318.26	ug/l	99
17) Carbon Disulfide	2.75	76	328447	67.82	ug/l	98
18) Methyl Acetate	2.93	43	82180	62.86	ug/l	93
19) Methyl tert-butyl Ether	3.40	73	421379	72.16	ug/l	100
20) Methylene Chloride	3.07	84	105342	55.26	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	174133	87.14	ug/l	98
22) Diisopropyl ether	4.07	45	595604	90.28	ug/l	98
23) Vinyl Acetate	4.01	43	1690867	393.33	ug/l	99
24) 1,1-Dichloroethane	3.97	63	348108	74.45	ug/l	100
25) 2-Butanone	4.83	43	322515	433.57	ug/l	99
26) 2,2-Dichloropropane	4.80	77	321204	61.11	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	189077	80.04	ug/l	95
28) Bromochloromethane	5.14	49	139021	81.63	ug/l	98
29) Tetrahydrofuran	5.18	42	127882	450.88	ug/l	98
30) Chloroform	5.32	83	416359	68.67	ug/l	100
31) Cyclohexane	5.59	56	230317	82.36	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	384519	62.77	ug/l	98
36) 1,1-Dichloropropene	5.74	75	271411	65.04	ug/l	98
37) Ethyl Acetate	4.92	43	134422	72.44	ug/l	97
38) Carbon Tetrachloride	5.72	117	328449	51.77	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	238137	74.49	ug/l	95
40) Benzene	6.01	78	560948	74.18	ug/l	99
41) Methacrylonitrile	5.12	41	65378	72.37	ug/l	93
42) 1,2-Dichloroethane	6.12	62	317583	56.92	ug/l	100
43) Isopropyl Acetate	7.61	43	178301	75.66	ug/l #	97
44) Trichloroethene	6.98	130	199550	67.96	ug/l	100
45) 1,2-Dichloropropane	7.34	63	150541	77.18	ug/l	98
46) Dibromomethane	7.45	93	119227	61.26	ug/l	93
47) Bromodichloromethane	7.74	83	306365	60.12	ug/l	97
48) Methyl methacrylate	7.50	41	119556	70.70	ug/l	95
49) 1,4-Dioxane	7.48	88	20865	1732.73	ug/l	98
51) 4-Methyl-2-Pentanone	8.59	43	699834	385.99	ug/l	98
52) Toluene	8.80	92	353902	72.67	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	255949	62.22	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	267980	65.55	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	131332	69.51	ug/l	95
56) Ethyl methacrylate	9.31	69	151600	70.41	ug/l	99
57) 1,3-Dichloropropane	9.67	76	207830	67.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	338242	342.11	ug/l	99
59) 2-Hexanone	9.78	43	514042	385.10	ug/l	98
60) Dibromochloromethane	9.96	129	206692	59.43	ug/l	98
61) 1,2-Dibromoethane	10.09	107	150928	65.61	ug/l	97
64) Tetrachloroethene	9.51	164	188302	65.30	ug/l	98
65) Chlorobenzene	10.72	112	433773	71.07	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	178542	59.91	ug/l	99
67) Ethyl Benzene	10.86	91	760753	67.44	ug/l	96
68) m/p-Xylenes	11.01	106	482191	130.51	ug/l	98
69) o-Xylene	11.41	106	234194	65.61	ug/l	90
70) Styrene	11.43	104	418468	70.73	ug/l	97
71) Bromoform	11.59	173	140370	63.06	ug/l #	97
73) Isopropylbenzene	11.77	105	711598	65.98	ug/l	100
74) N-amyl acetate	11.64	43	237982	76.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	152446	76.32	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	162713	70.26	ug/l	100
77) Bromobenzene	12.04	156	212758	67.50	ug/l	86
78) n-propylbenzene	12.16	91	910376	69.24	ug/l	99
79) 2-Chlorotoluene	12.21	91	545914	65.74	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	587833	63.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	43868	81.83	ug/l	87
82) 4-Chlorotoluene	12.32	91	599949	61.97	ug/l	93
83) tert-Butylbenzene	12.58	119	640845	63.45	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	616440	64.47	ug/l	100
85) sec-Butylbenzene	12.76	105	724961	66.85	ug/l	100
86) p-Isopropyltoluene	12.88	119	620924	64.09	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	369119	69.22	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	360536	67.08	ug/l	95
89) n-Butylbenzene	13.20	91	611149	63.21	ug/l	96
90) Hexachloroethane	13.39	117	167019	67.15	ug/l	78
91) 1,2-Dichlorobenzene	13.19	146	294143	64.40	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	29981	63.37	ug/l	80

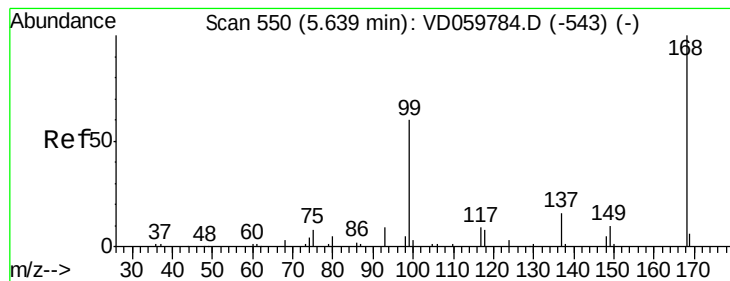
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259722	61.20	ug/l	97
94) Hexachlorobutadiene	14.44	225	188053	54.10	ug/l	99
95) Naphthalene	14.52	128	403977	69.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	220204	60.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

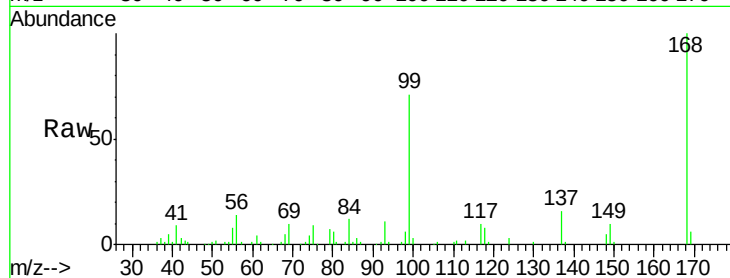
VSTDIC075

Tot Ion:168 Resp: 267570

Ion Ratio Lower Upper

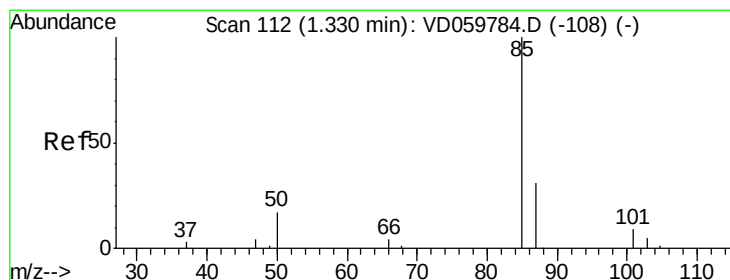
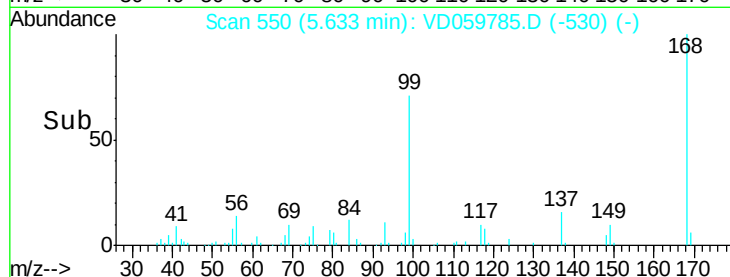
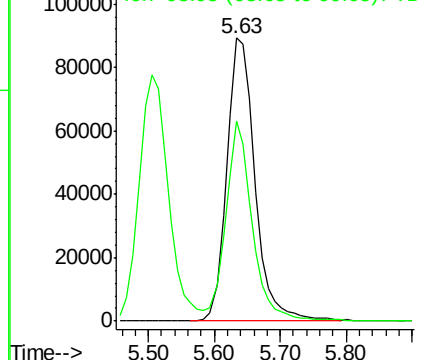
168 100

99 70.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: 61.07 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059785.D

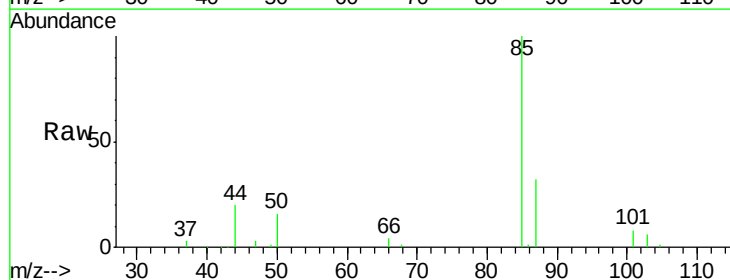
Acq: 15 Aug 2018 1:19

Tgt Ion: 85 Resp: 235444

Ion Ratio Lower Upper

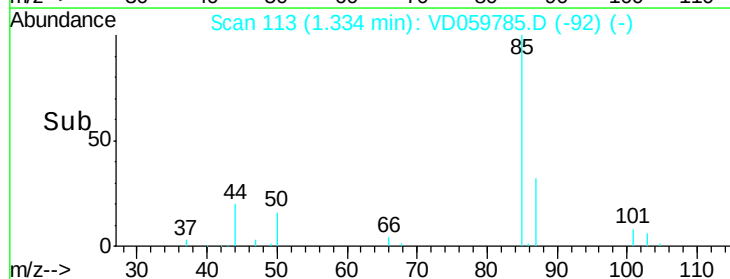
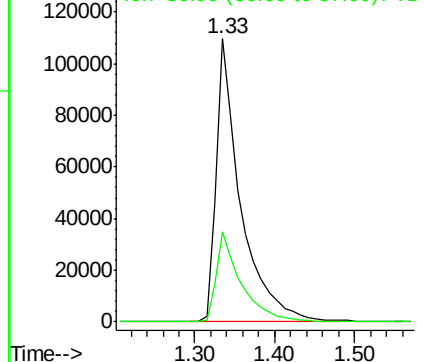
85 100

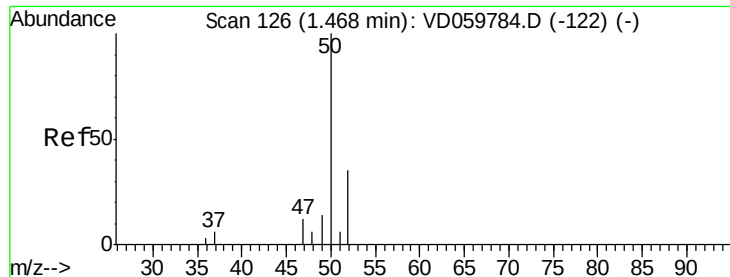
87 31.6 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 92.60 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

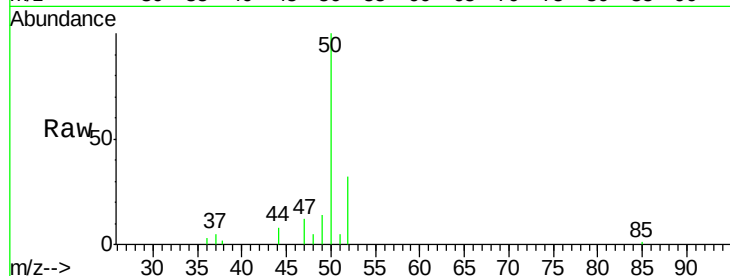
VSTDIC075

Tot Ion: 50 Resp: 143258

Ion Ratio Lower Upper

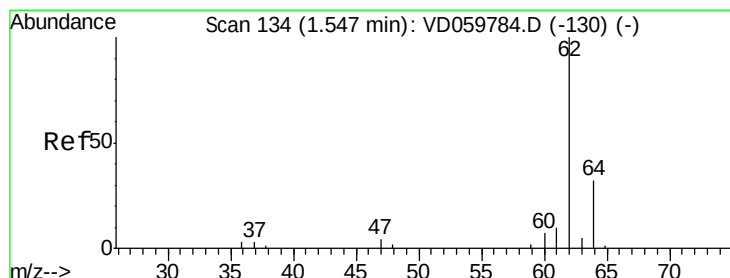
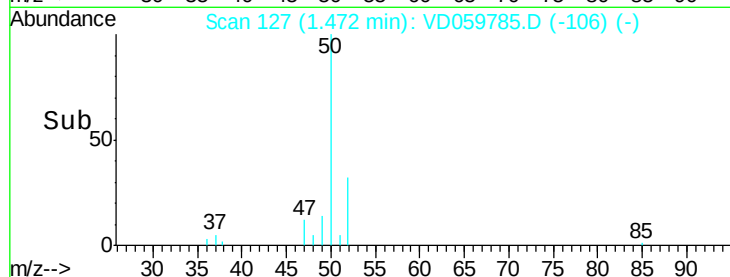
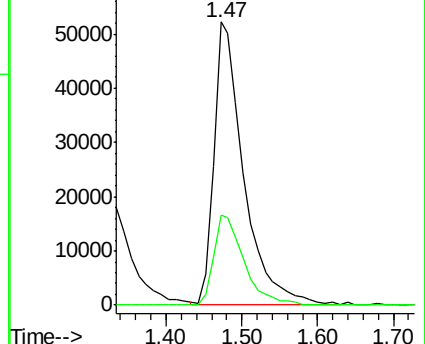
50 100

52 31.8 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VD

Ion 51.90 (51.60 to 52.60): VD



#4

Vinyl Chloride

Concen: 80.42 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD059785.D

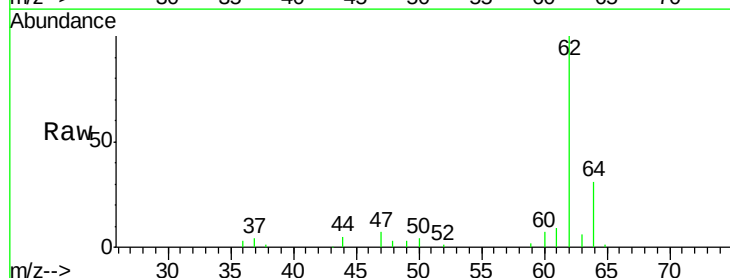
Acq: 15 Aug 2018 1:19

Tgt Ion: 62 Resp: 152898

Ion Ratio Lower Upper

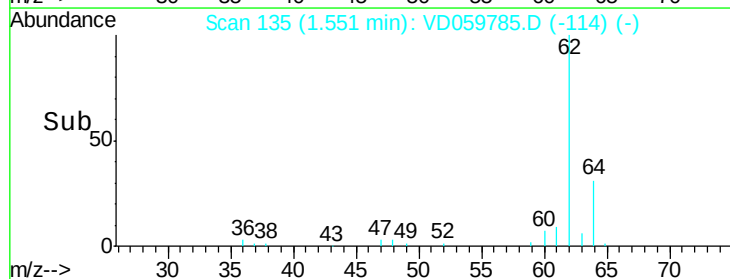
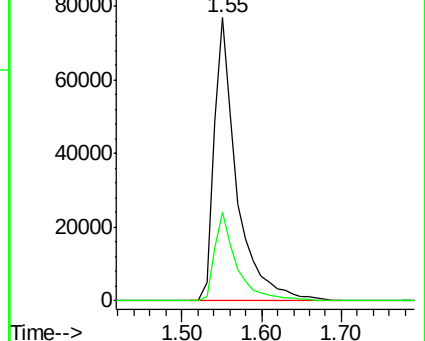
62 100

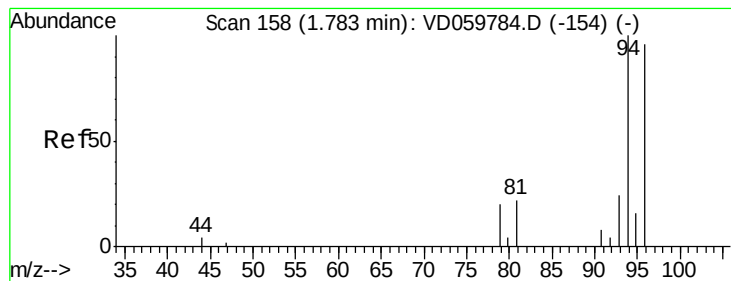
64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VD

Ion 63.95 (63.65 to 64.65): VD





#5

Bromomethane

Concen: 58.43 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

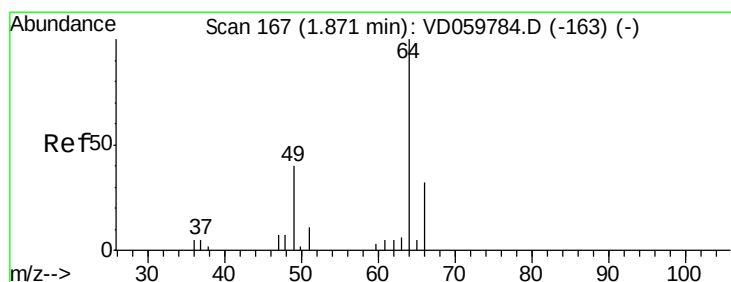
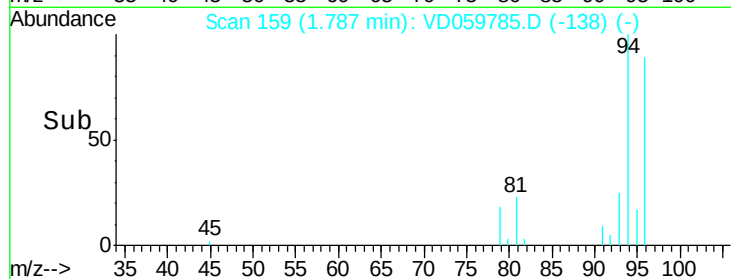
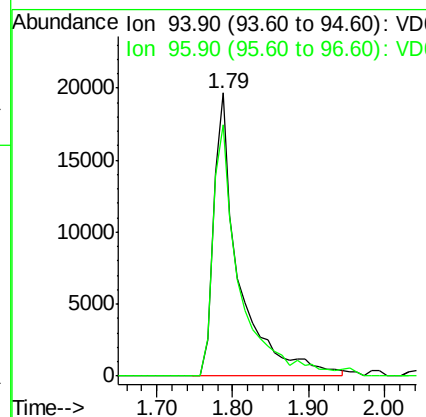
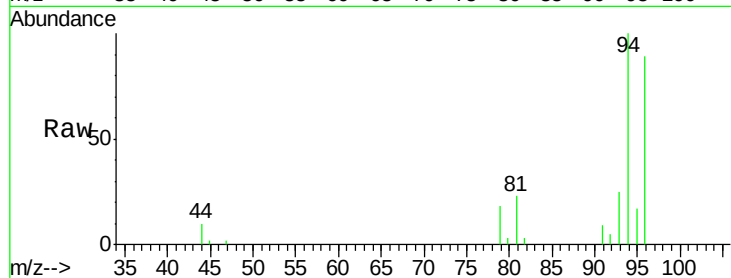
VSTDIC075

Tot Ion: 94 Resp: 45831

Ion Ratio Lower Upper

94 100

96 88.7 76.7 115.1



#6

Chloroethane

Concen: 64.65 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD059785.D

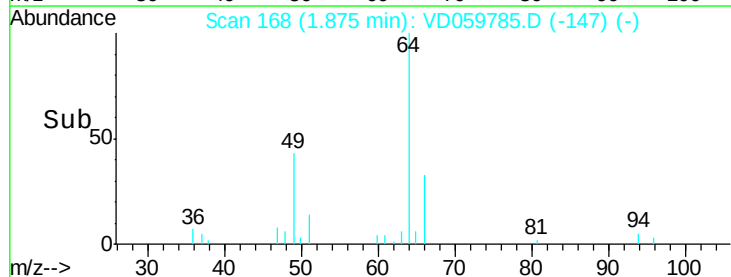
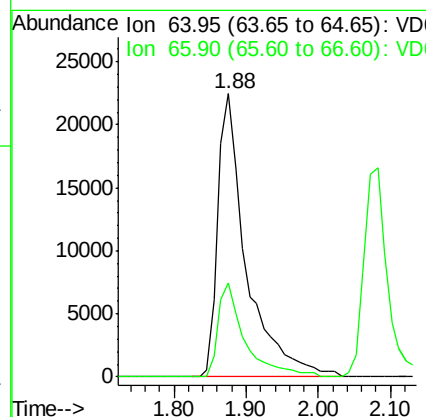
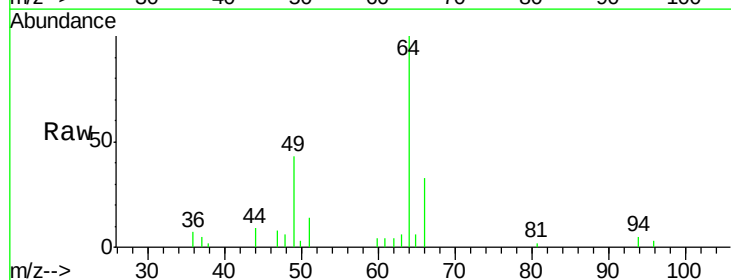
Acq: 15 Aug 2018 1:19

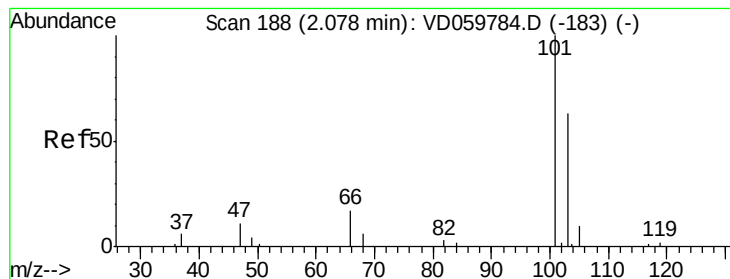
Tgt Ion: 64 Resp: 61068

Ion Ratio Lower Upper

64 100

66 33.4 25.4 38.2





#7

Trichlorofluoromethane

Concen: 56.14 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

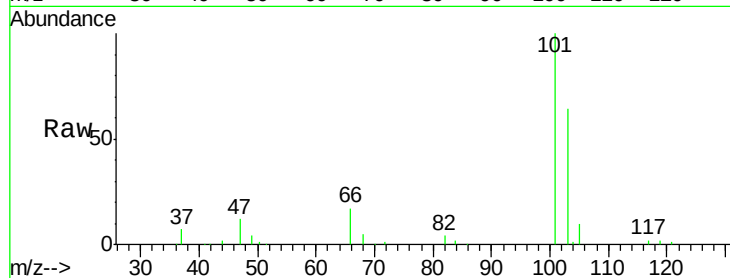
VSTDIC075

Tot Ion:101 Resp: 219813

Ion Ratio Lower Upper

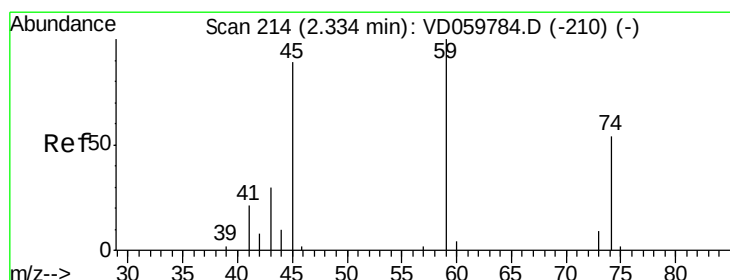
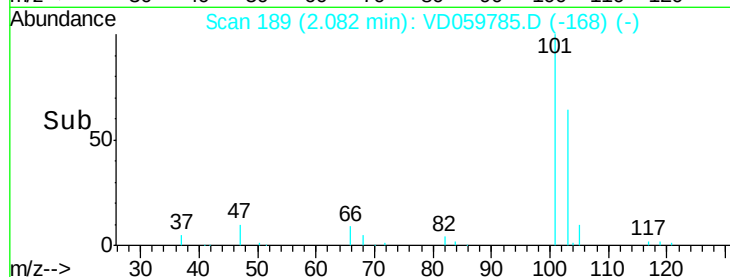
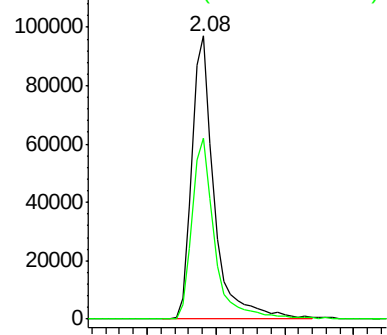
101 100

103 63.8 50.4 75.6



Abundance Ion 100.85 (100.55 to 101.55):

Ion 102.85 (102.55 to 103.55):



#8

Diethyl Ether

Concen: 70.56 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD059785.D

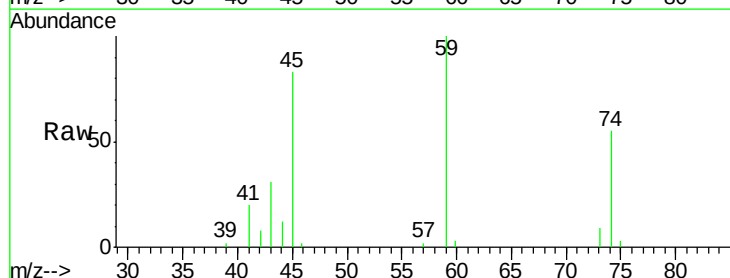
Acq: 15 Aug 2018 1:19

Tgt Ion: 74 Resp: 45034

Ion Ratio Lower Upper

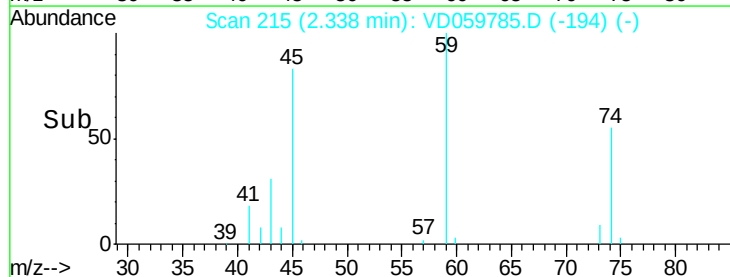
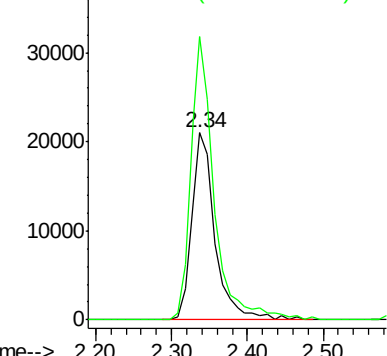
74 100

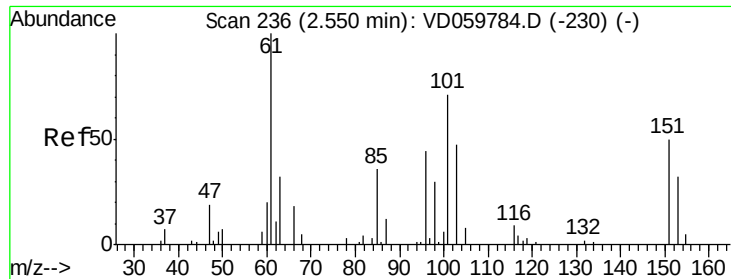
45 151.1 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VD

Ion 45.05 (44.75 to 45.75): VD





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.05 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

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ClientSampleId :

VSTDIC075

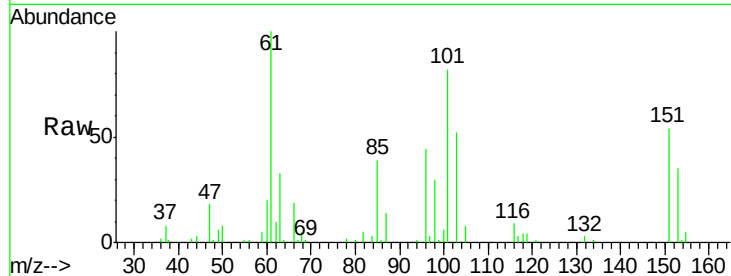
Tot Ion:101 Resp: 119727

Ion Ratio Lower Upper

101 100

85 47.1 40.6 61.0

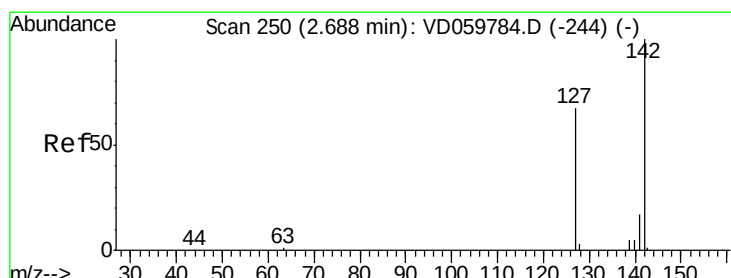
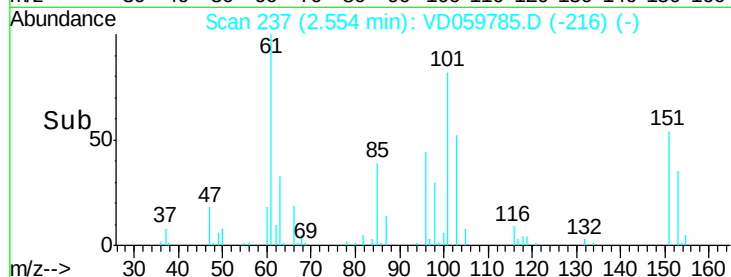
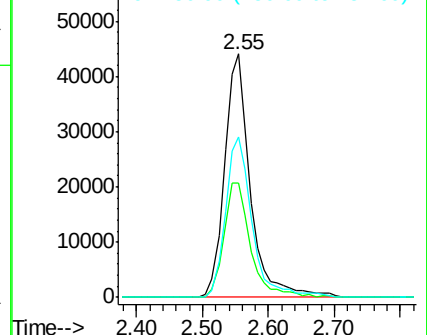
151 65.9 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55):

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60):



#10

Methyl Iodide

Concen: 70.04 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

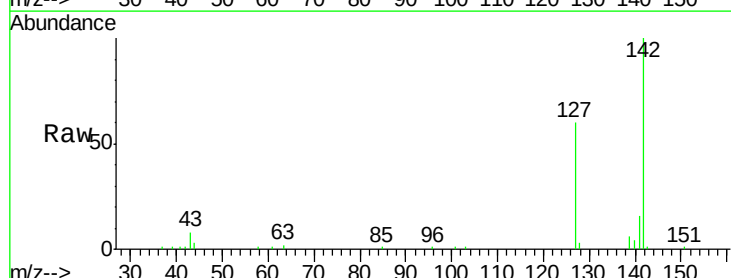
Tgt Ion:142 Resp: 153496

Ion Ratio Lower Upper

142 100

127 59.9 54.0 81.0

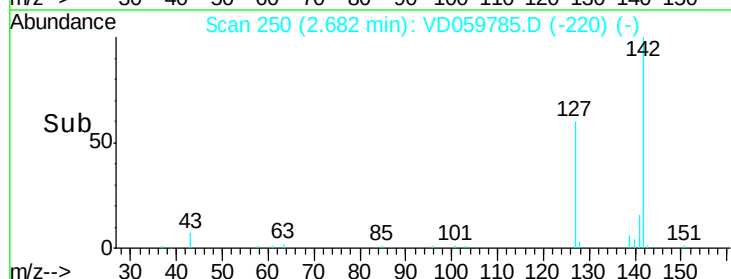
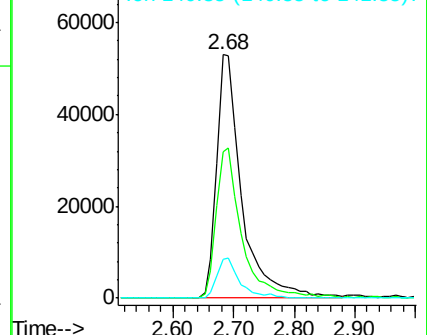
141 16.0 13.3 19.9

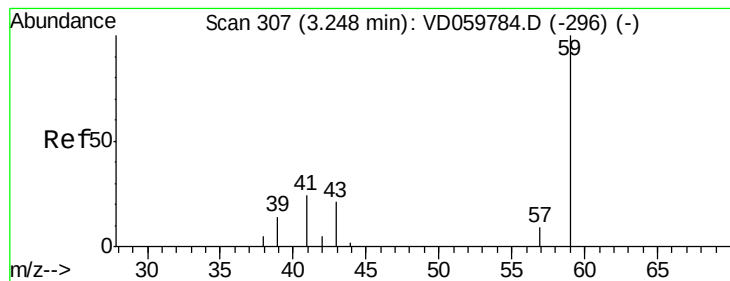


Abundance Ion 141.85 (141.55 to 142.55):

Ion 126.80 (126.50 to 127.50):

Ion 140.85 (140.55 to 141.55):



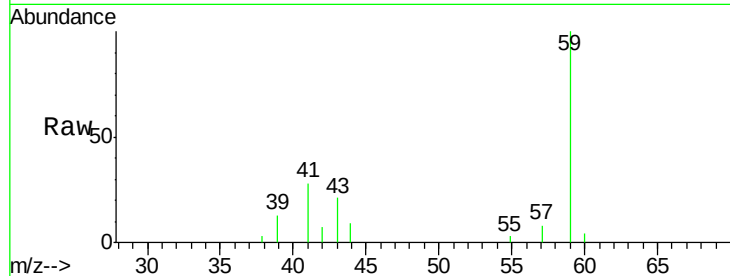


#11

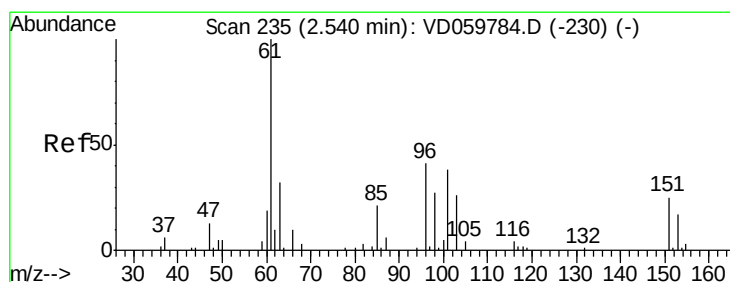
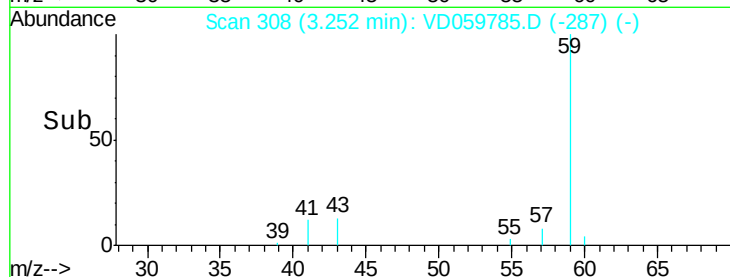
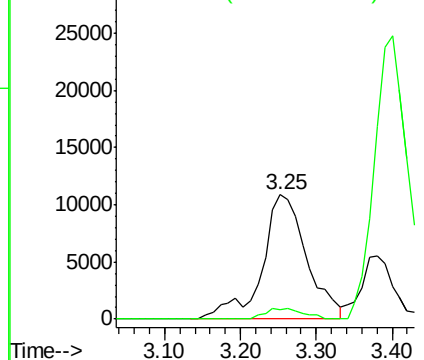
Tert butyl alcohol
Concen: 313.47 ug/l
RT: 3.25 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 44491
Ion Ratio Lower Upper
59 100
57 7.9 7.5 11.3



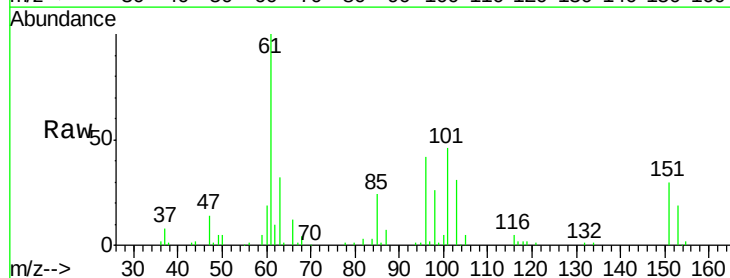
Abundance Ion 58.95 (58.65 to 59.65): VD
Ion 56.95 (56.65 to 57.65): VD



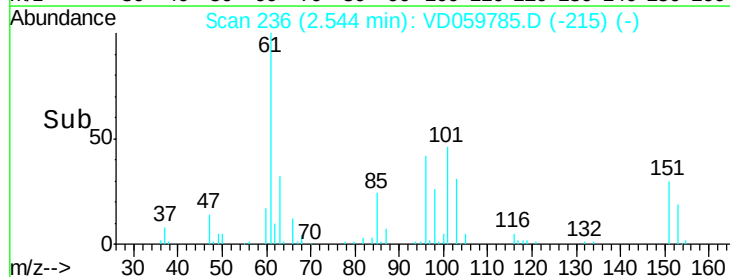
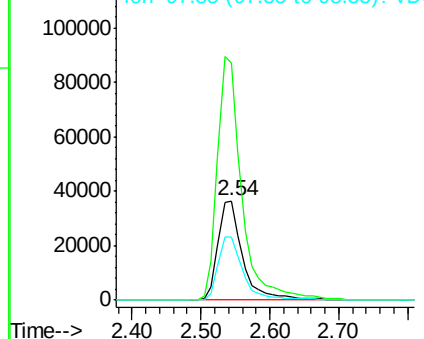
#12

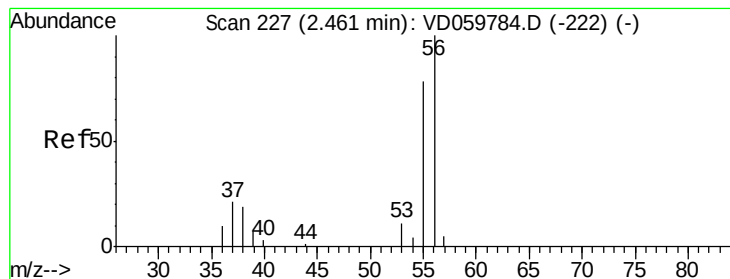
1,1-Dichloroethene
Concen: 62.51 ug/l
RT: 2.54 min Scan# 236
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 96 Resp: 90971
Ion Ratio Lower Upper
96 100
61 239.1 194.1 291.1
98 63.3 52.3 78.5



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





#13

Acrolein

Concen: 432.35 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

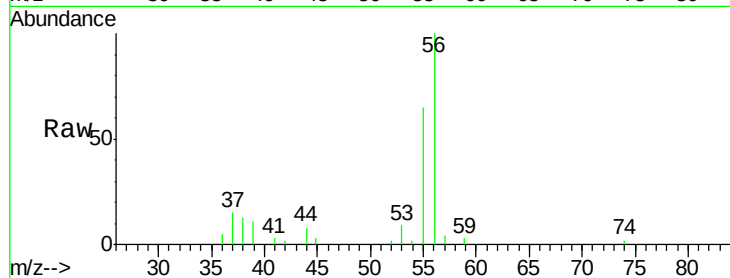
VSTDIC075

Tot Ion: 56 Resp: 39906

Ion Ratio Lower Upper

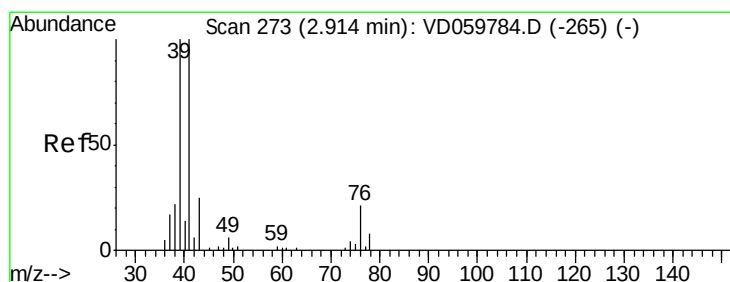
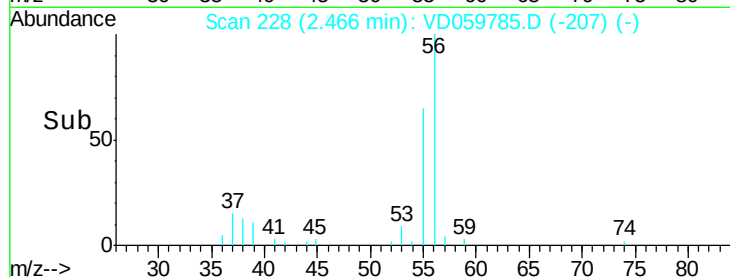
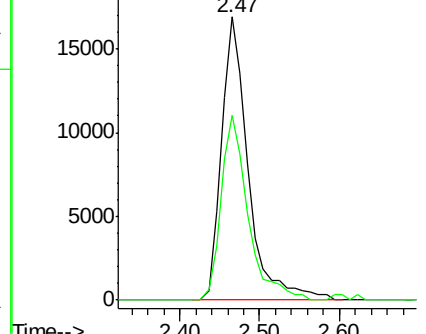
56 100

55 65.2 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VD

Ion 55.00 (54.70 to 55.70): VD



#14

Allyl chloride

Concen: 68.46 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

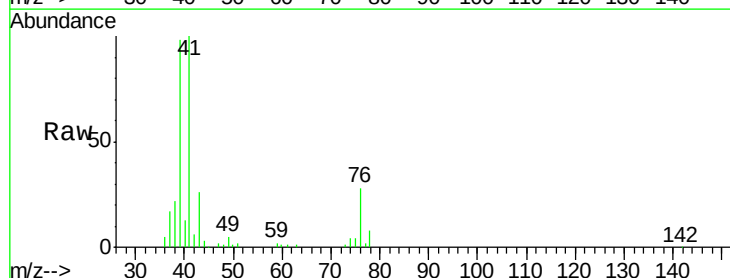
Tgt Ion: 41 Resp: 222916

Ion Ratio Lower Upper

41 100

39 98.4 79.8 119.6

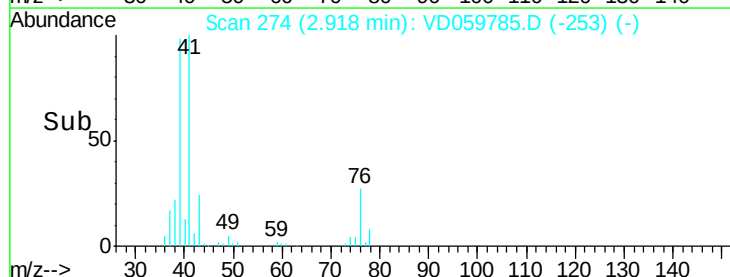
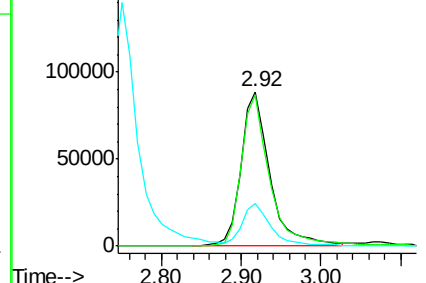
76 27.9 20.4 30.6

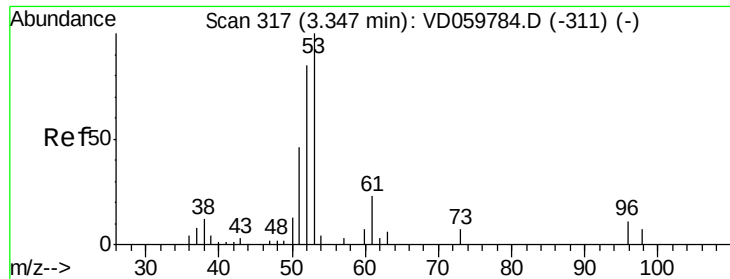


Abundance Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD

Ion 75.95 (75.65 to 76.65): VD





#15

Acrylonitrile

Concen: 428.41 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

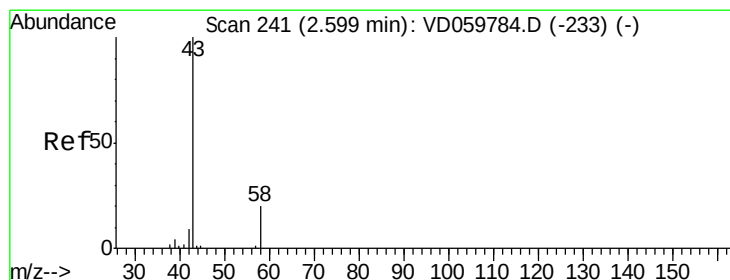
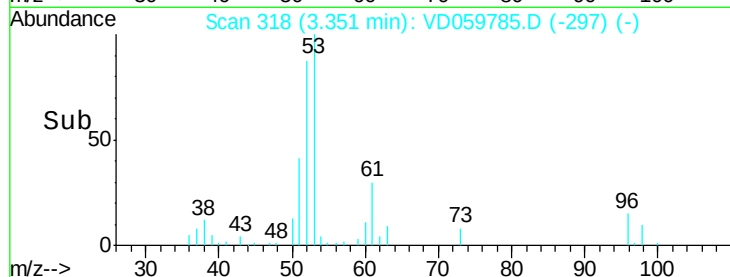
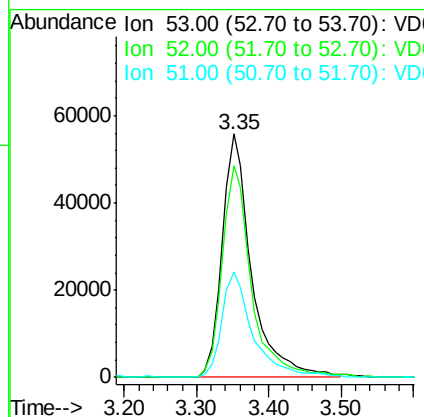
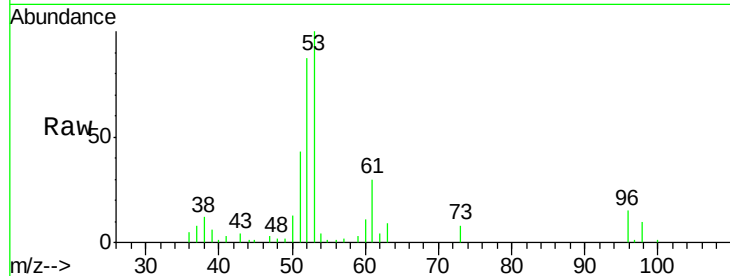
Tot Ion: 53 Resp: 156843

Ion Ratio Lower Upper

53 100

52 86.9 68.2 102.2

51 43.3 36.6 54.8



#16

Acetone

Concen: 318.26 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD059785.D

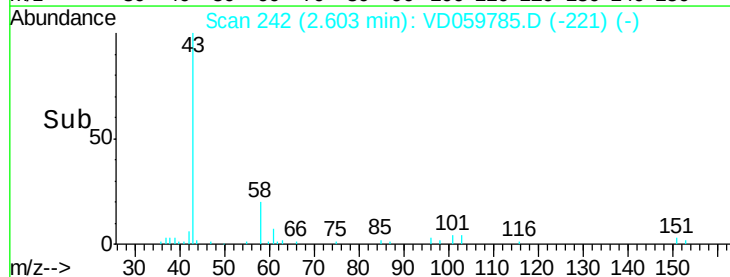
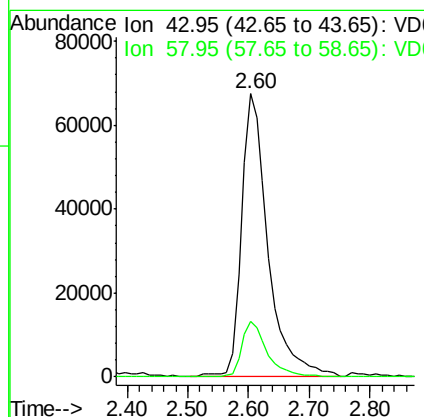
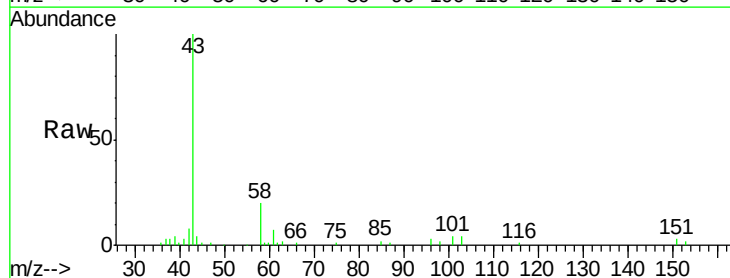
Acq: 15 Aug 2018 1:19

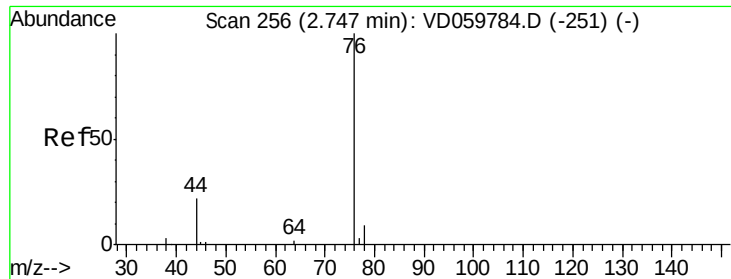
Tgt Ion: 43 Resp: 204411

Ion Ratio Lower Upper

43 100

58 19.9 15.7 23.5

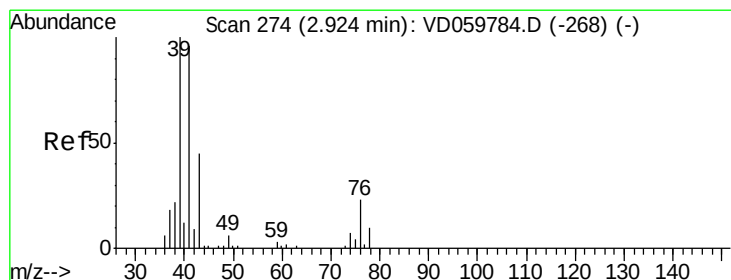
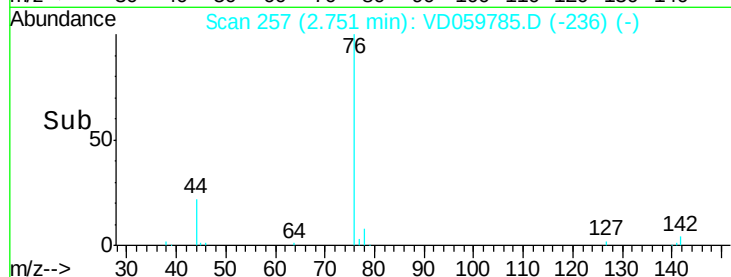
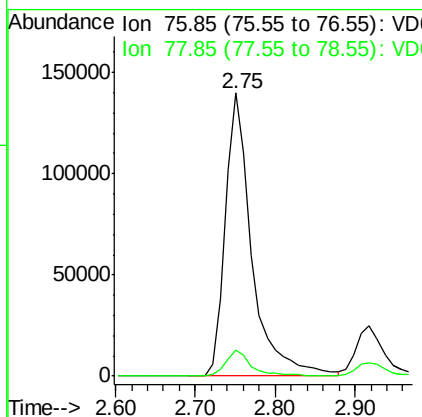
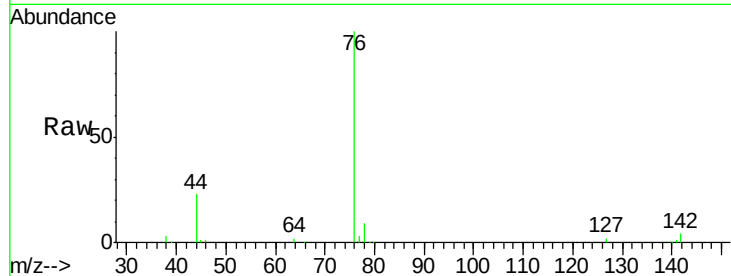




#17
Carbon Disulfide
Concen: 67.82 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

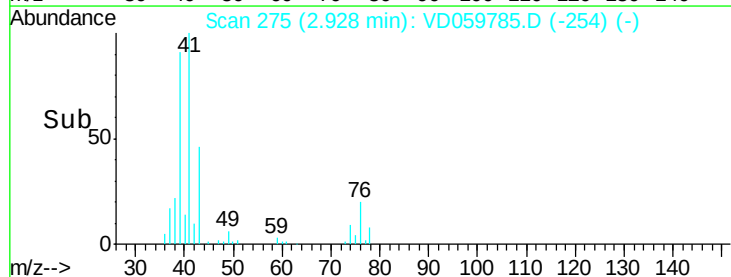
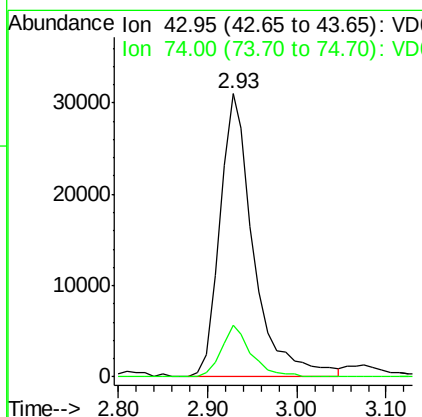
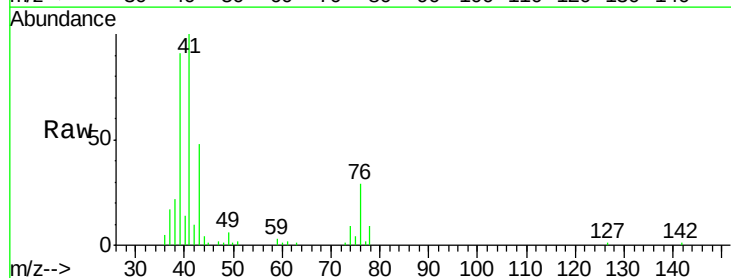
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

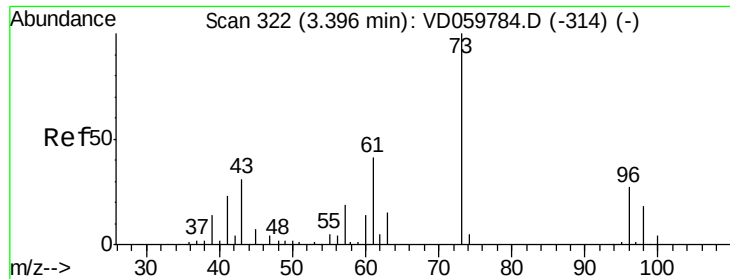
Tot Ion: 76 Resp: 328447
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 62.86 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 43 Resp: 82180
Ion Ratio Lower Upper
43 100
74 18.4 12.4 18.6

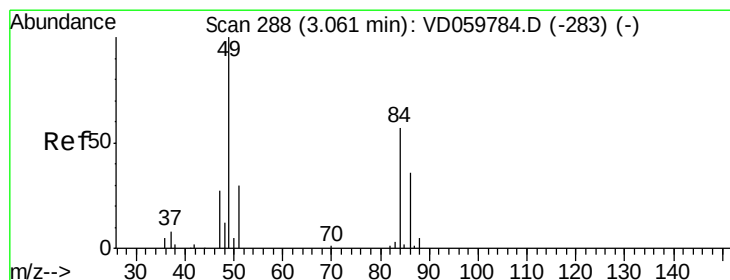
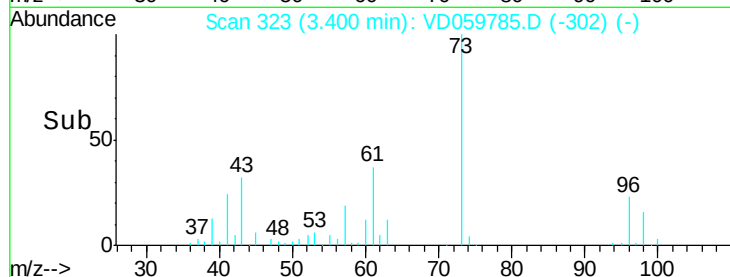
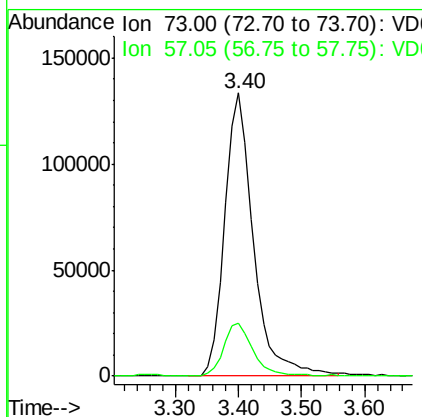
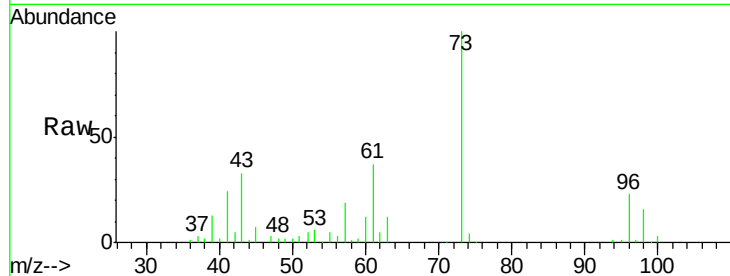




#19
Methyl tert-butyl Ether
Concen: 72.16 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

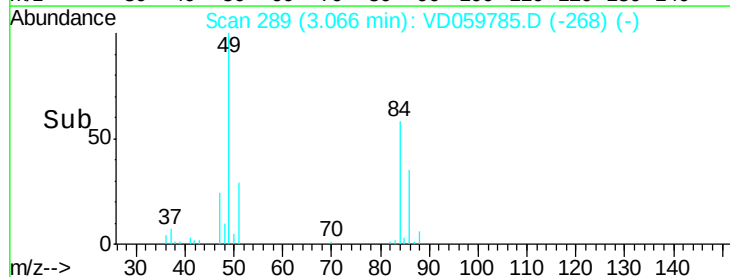
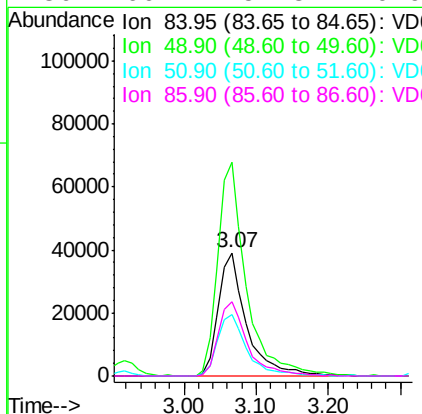
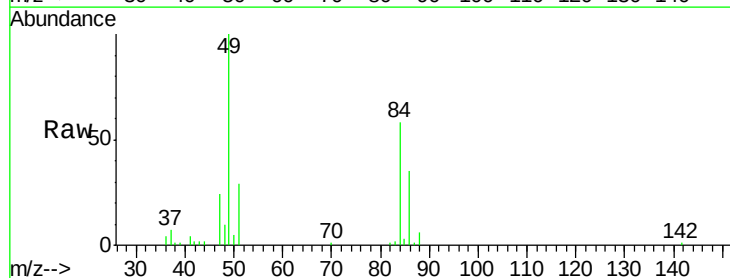
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

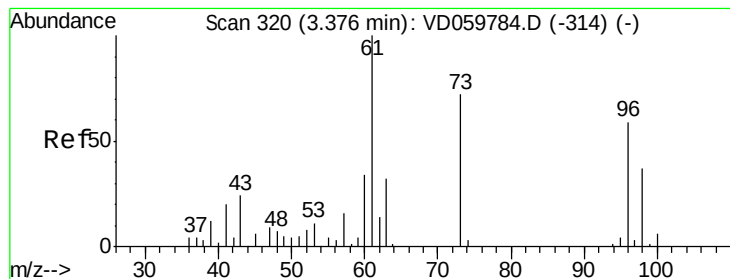
Tot Ion: 73 Resp: 421379
Ion Ratio Lower Upper
73 100
57 18.5 14.8 22.2



#20
Methylene Chloride
Concen: 55.26 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 84 Resp: 105342
Ion Ratio Lower Upper
84 100
49 173.4 140.9 211.3
51 50.0 42.8 64.2
86 60.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 87.14 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

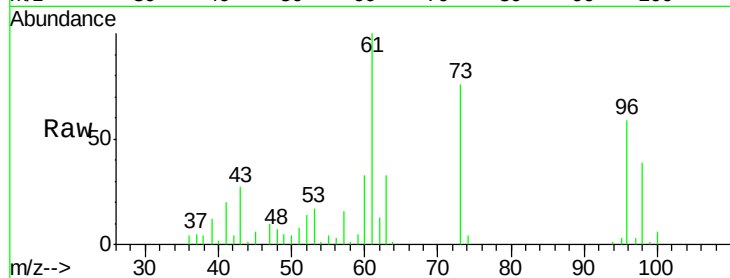
Tot Ion: 96 Resp: 174133

Ion Ratio Lower Upper

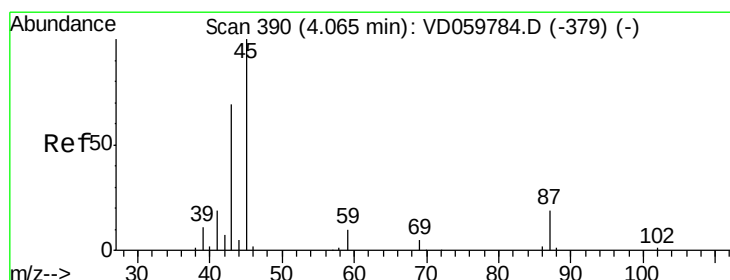
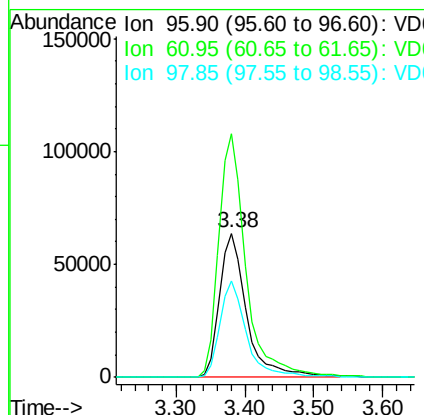
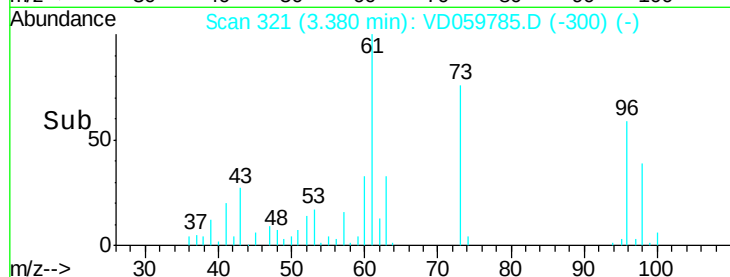
96 100

61 169.3 134.8 202.2

98 66.8 50.0 75.0



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



#22

Diisopropyl ether

Concen: 90.28 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Tgt Ion: 45 Resp: 595604

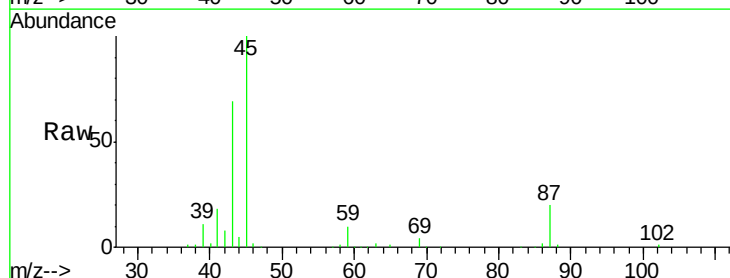
Ion Ratio Lower Upper

45 100

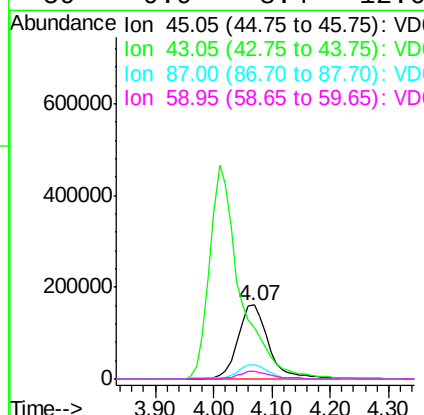
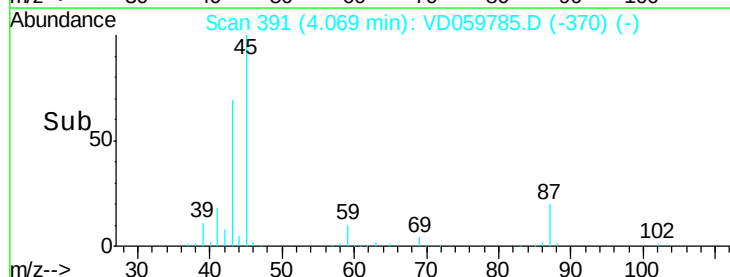
43 69.5 57.5 86.3

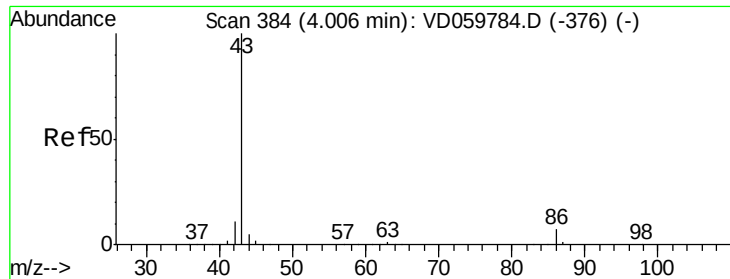
87 19.8 16.1 24.1

59 9.9 8.4 12.6



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





#23

Vinyl Acetate

Concen: 393.33 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

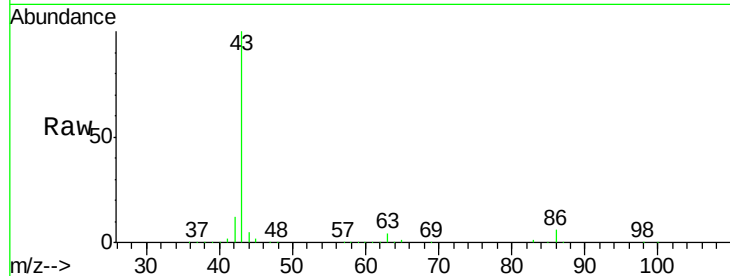
VSTDIC075

Tot Ion: 43 Resp: 1690867

Ion Ratio Lower Upper

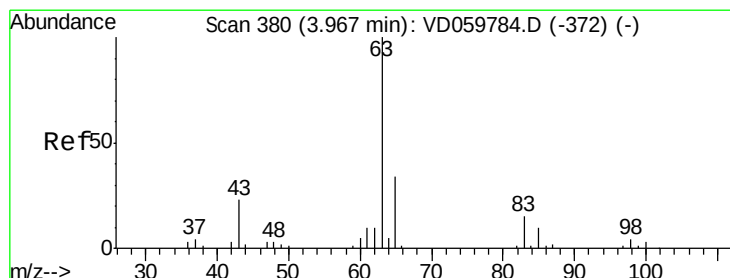
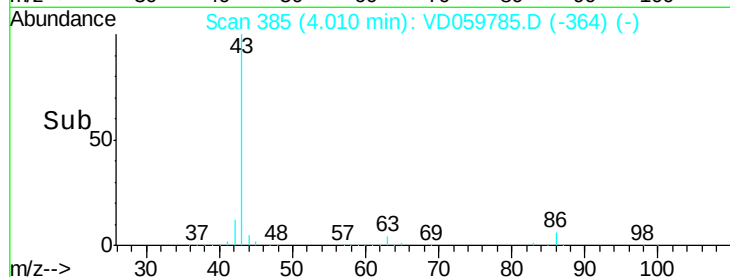
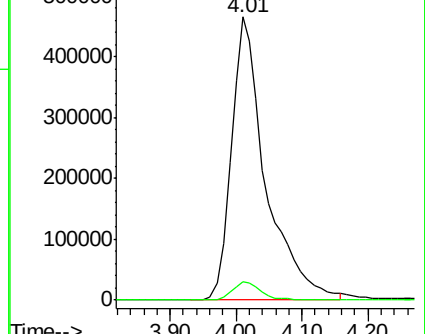
43 100

86 6.3 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 86.00 (85.70 to 86.70): VD



#24

1,1-Dichloroethane

Concen: 74.45 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

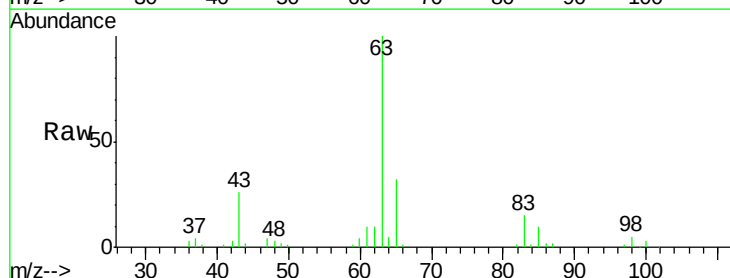
Tgt Ion: 63 Resp: 348108

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

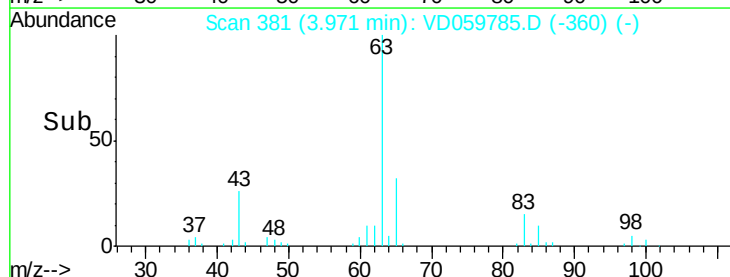
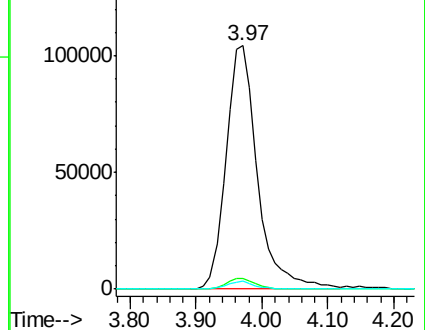
100 3.1 1.6 4.7

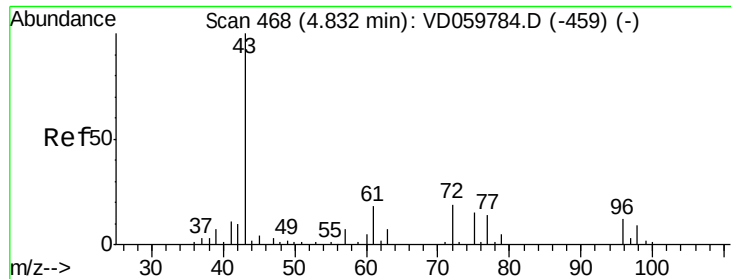


Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 97.95 (97.65 to 98.65): VD

Ion 99.95 (99.65 to 100.65): VD





#25

2-Butanone

Concen: 433.57 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

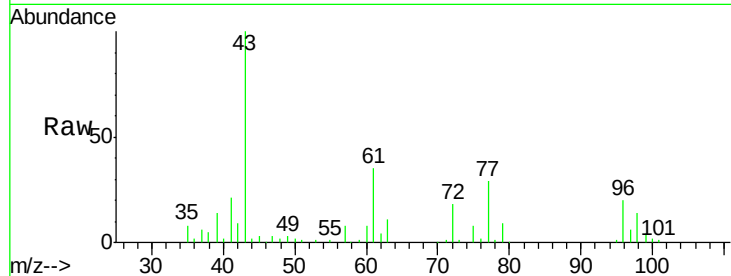
VSTDIC075

Tot Ion: 43 Resp: 322515

Ion Ratio Lower Upper

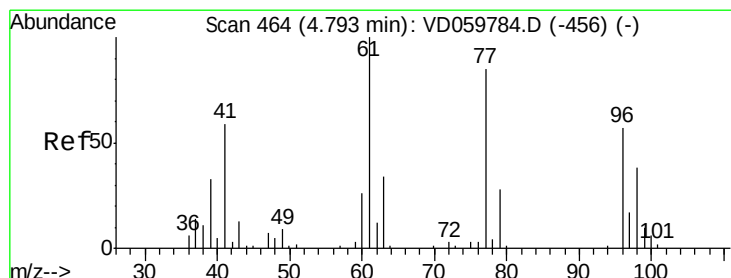
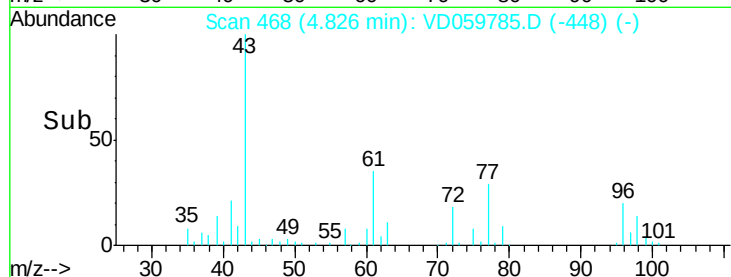
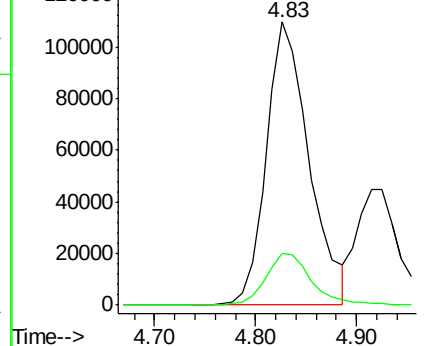
43 100

72 18.2 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 72.00 (71.70 to 72.70): VD



#26

2,2-Dichloropropane

Concen: 61.11 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059785.D

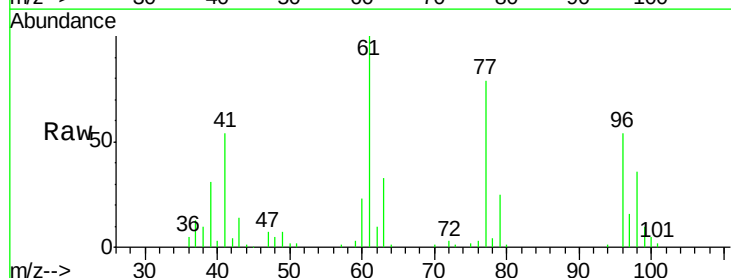
Acq: 15 Aug 2018 1:19

Tgt Ion: 77 Resp: 321204

Ion Ratio Lower Upper

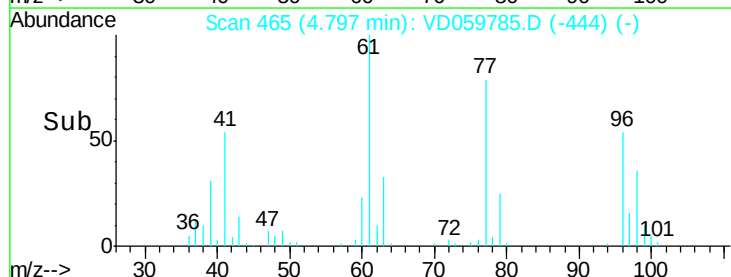
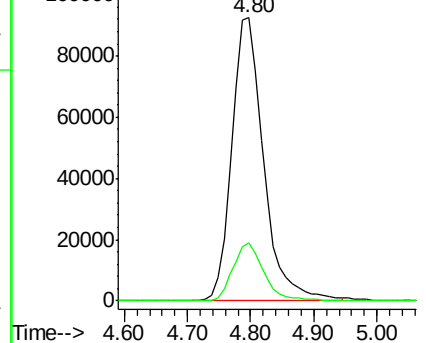
77 100

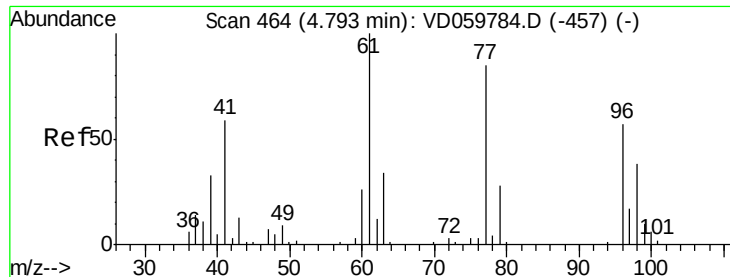
97 20.6 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VD

Ion 96.85 (96.55 to 97.55): VD





#27

cis-1,2-Dichloroethene

Concen: 80.04 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

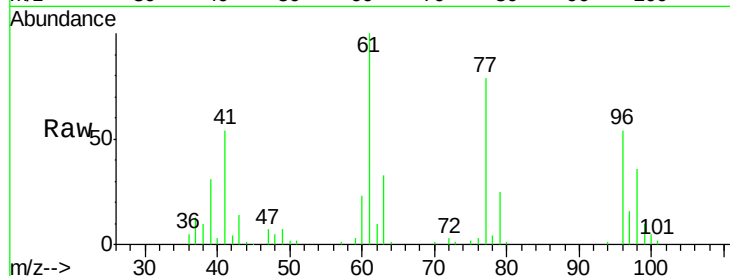
Tot Ion: 96 Resp: 189077

Ion Ratio Lower Upper

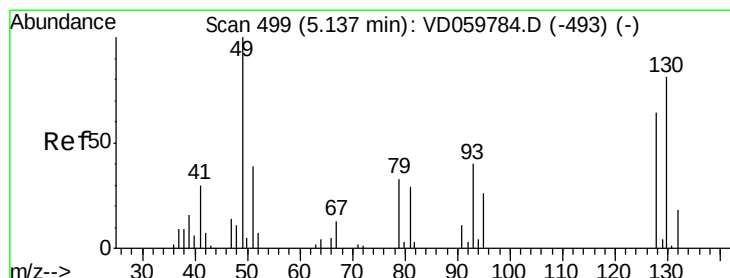
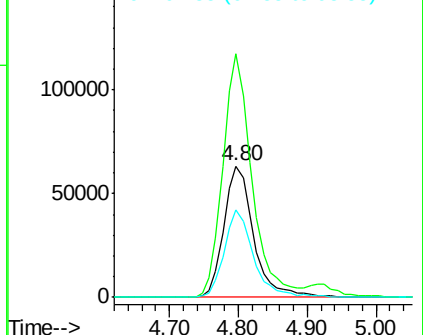
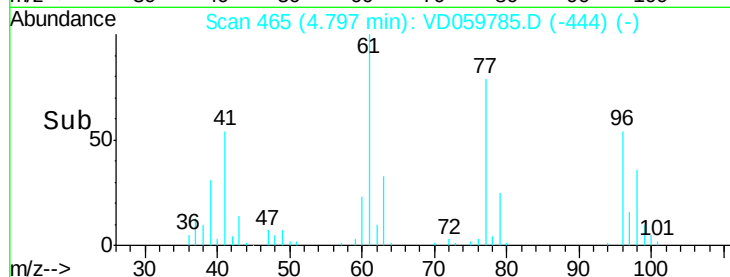
96 100

61 185.8 0.0 351.6

98 67.0 0.0 135.2



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



#28

Bromochloromethane

Concen: 81.63 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

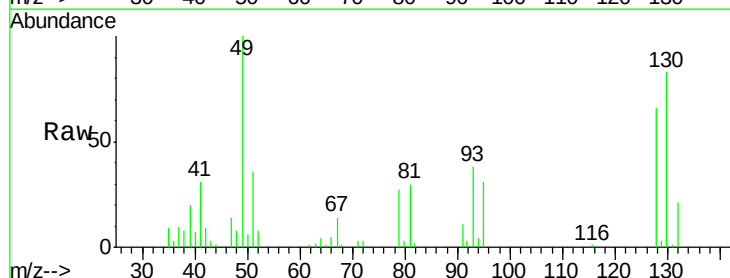
Tgt Ion: 49 Resp: 139021

Ion Ratio Lower Upper

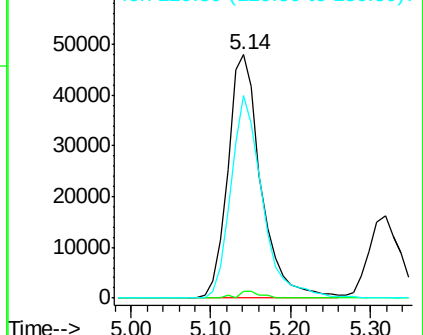
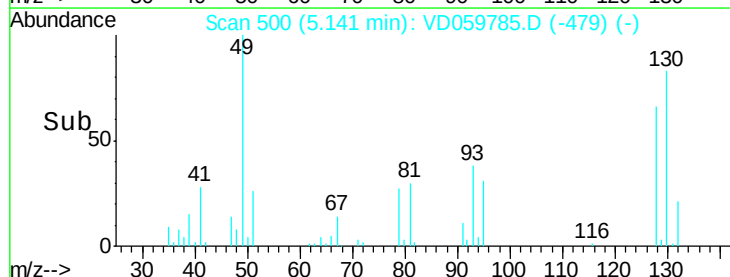
49 100

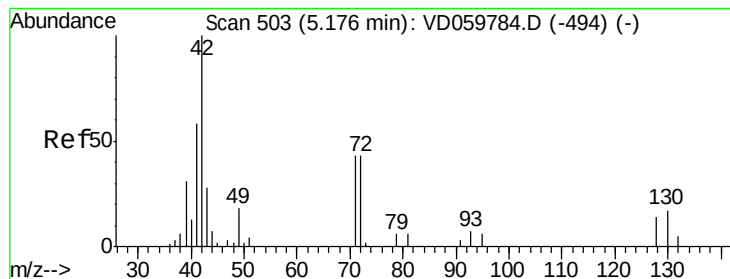
129 2.7 0.0 7.0

130 83.2 64.8 97.2



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





#29

Tetrahydrofuran

Concen: 450.88 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

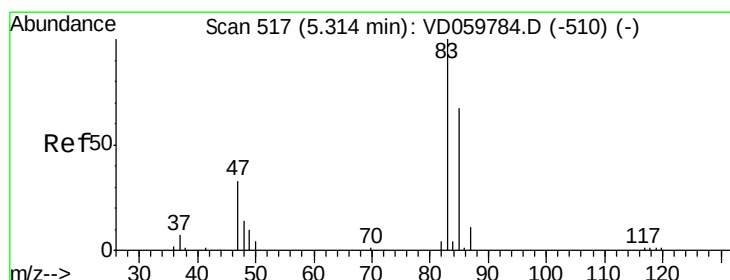
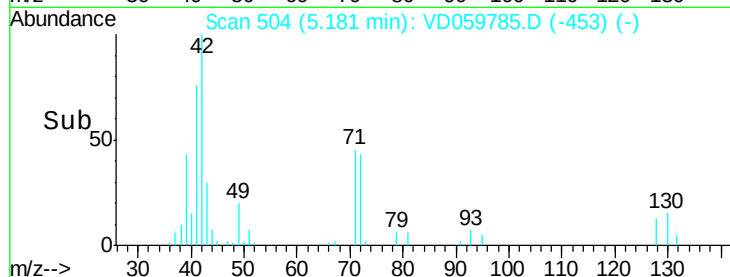
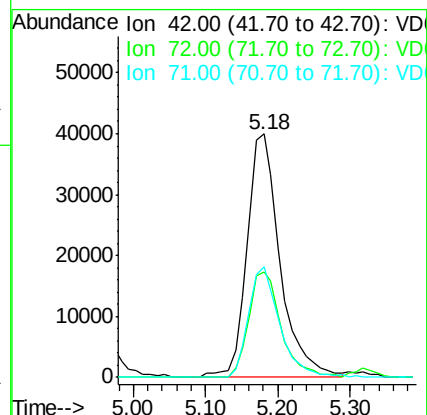
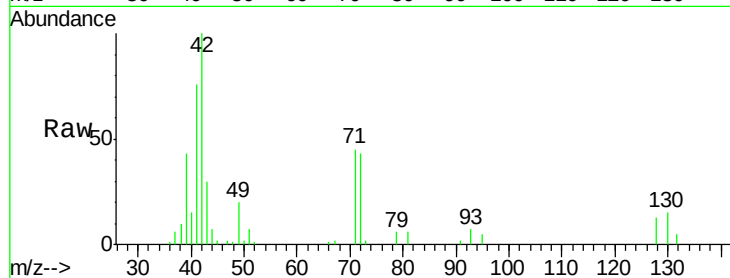
Tot Ion: 42 Resp: 127882

Ion Ratio Lower Upper

42 100

72 42.5 34.3 51.5

71 43.0 33.0 49.6



#30

Chloroform

Concen: 68.67 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD059785.D

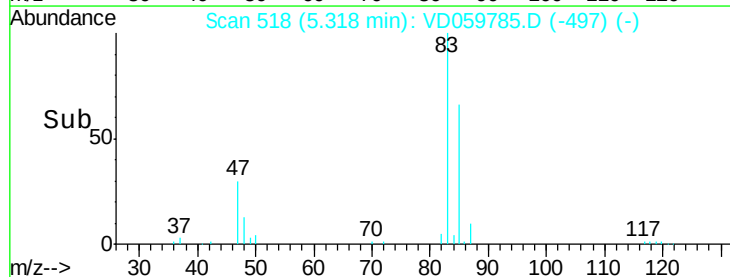
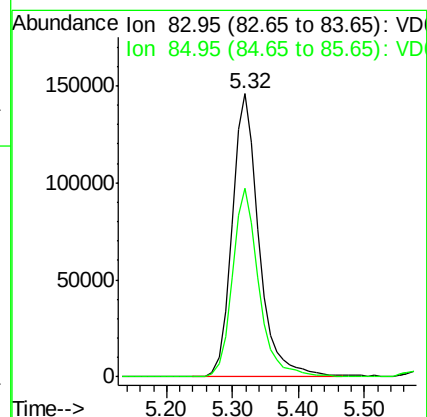
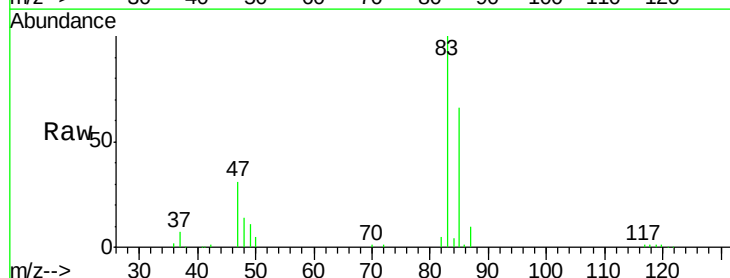
Acq: 15 Aug 2018 1:19

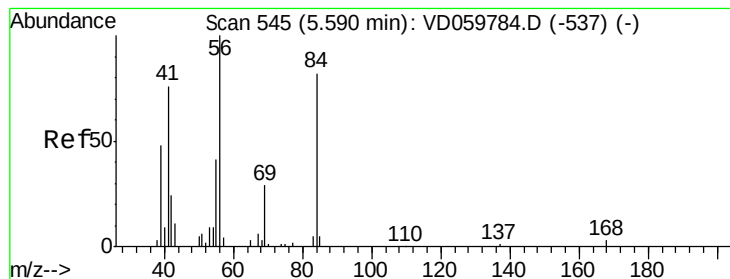
Tgt Ion: 83 Resp: 416359

Ion Ratio Lower Upper

83 100

85 66.5 53.4 80.2





#31

Cyclohexane

Concen: 82.36 ug/l

RT: 5.59 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

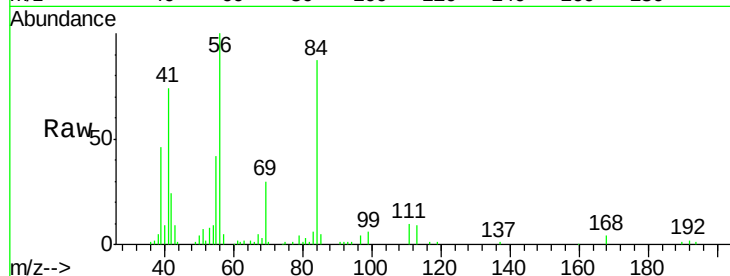
Tot Ion: 56 Resp: 230317

Ion Ratio Lower Upper

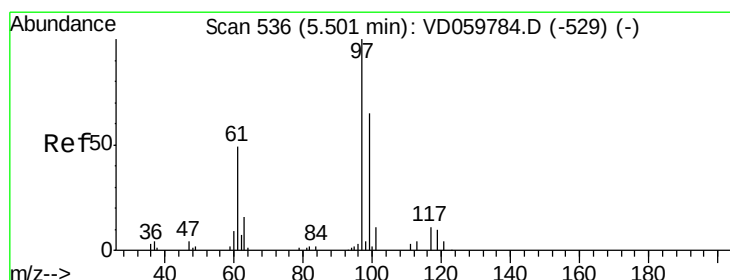
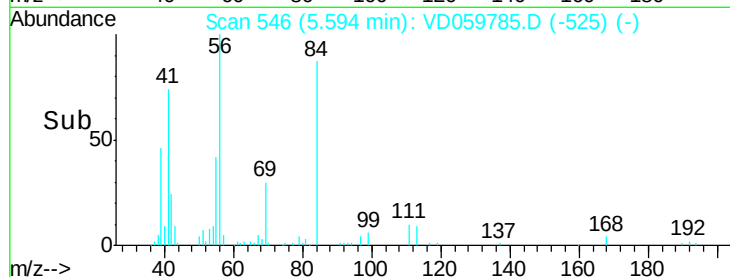
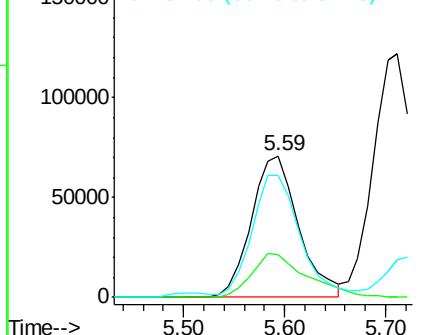
56 100

69 30.2 23.4 35.2

84 86.7 65.4 98.2



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



#32

1,1,1-Trichloroethane

Concen: 62.77 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

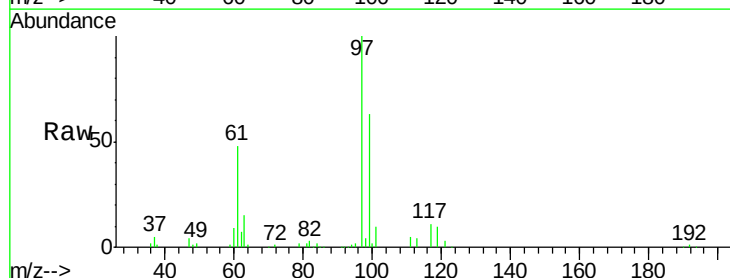
Tgt Ion: 97 Resp: 384519

Ion Ratio Lower Upper

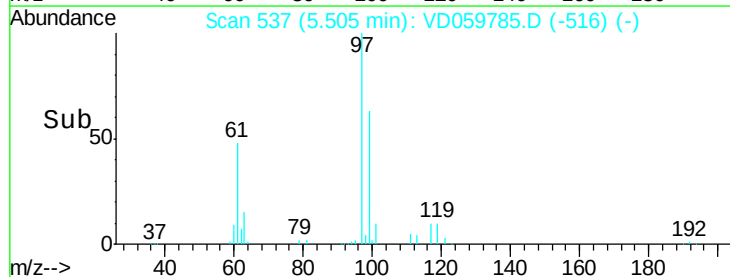
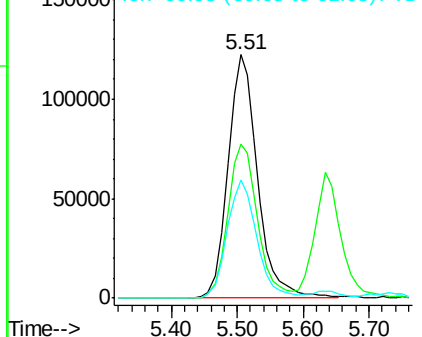
97 100

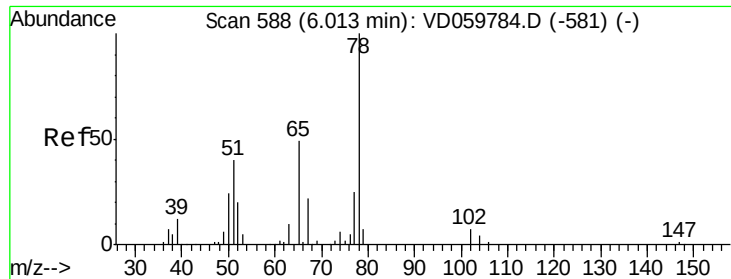
99 63.4 52.2 78.2

61 48.5 39.6 59.4



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

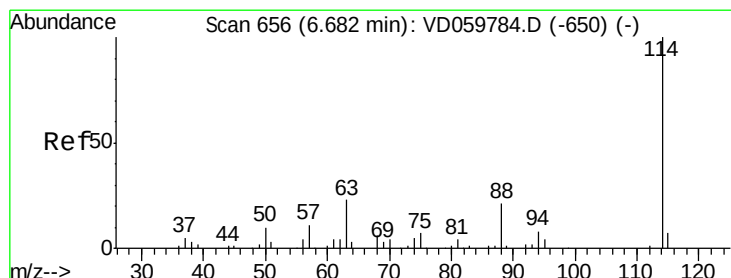
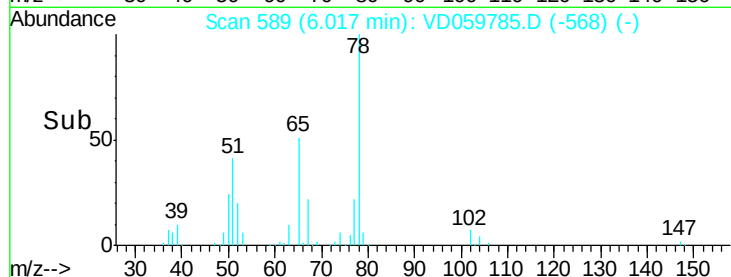
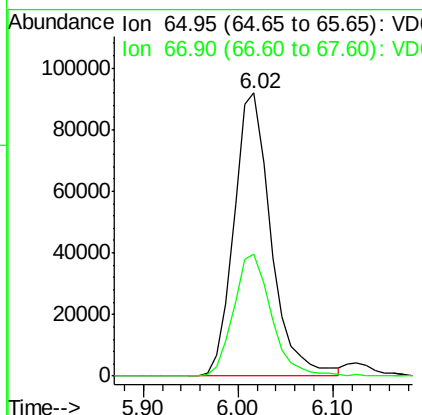
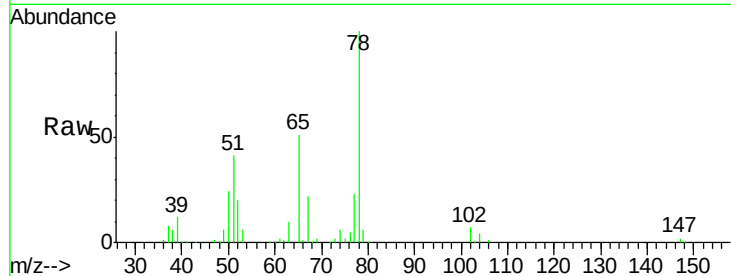




#33
 1,2-Dichloroethane-d4
 Concen: 62.77 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

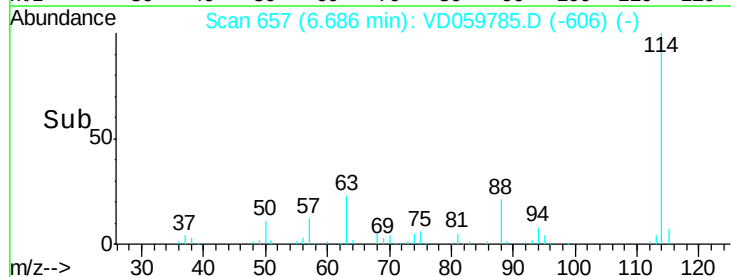
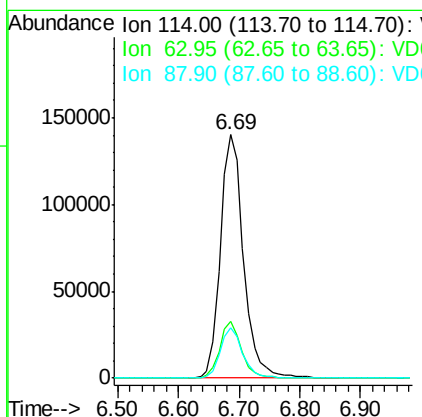
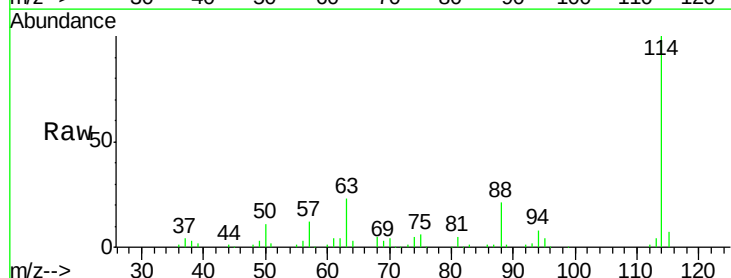
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

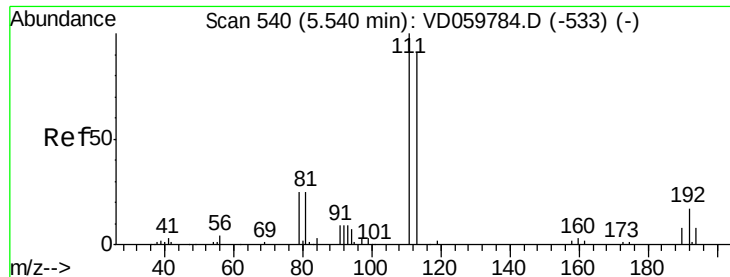
Tot Ion: 65 Resp: 249313
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 114 Resp: 370216
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 20.6 0.0 41.2

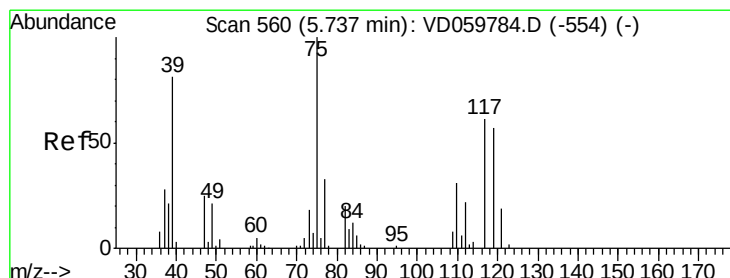
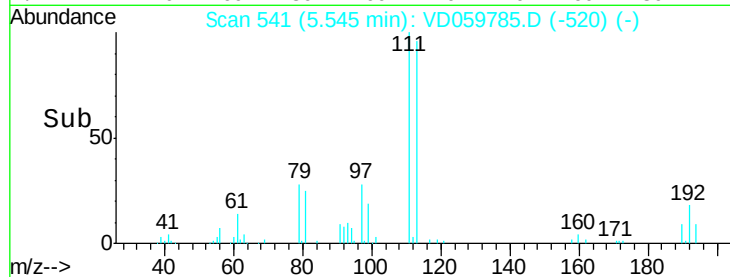
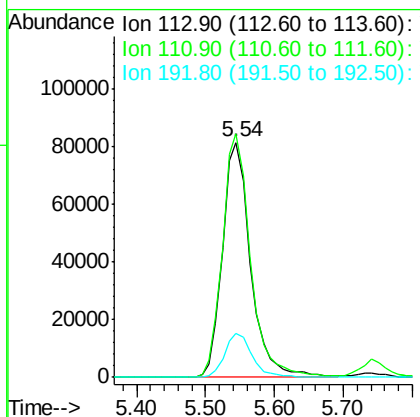
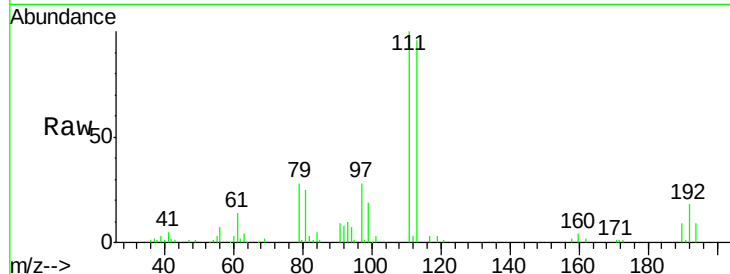




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

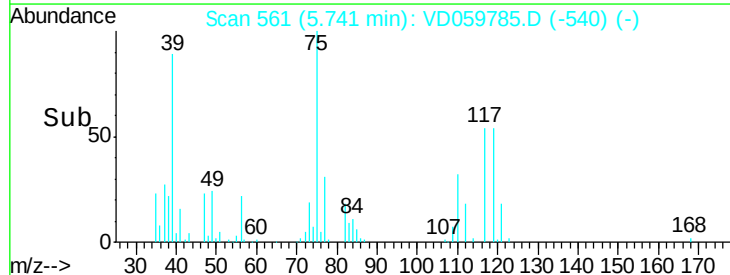
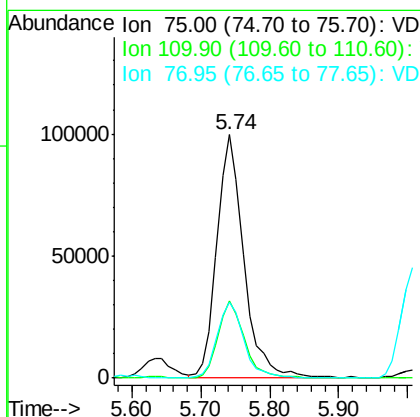
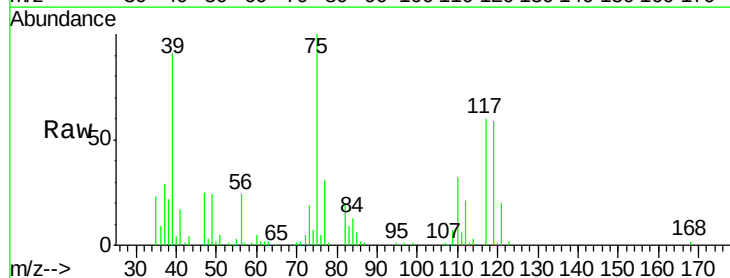
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

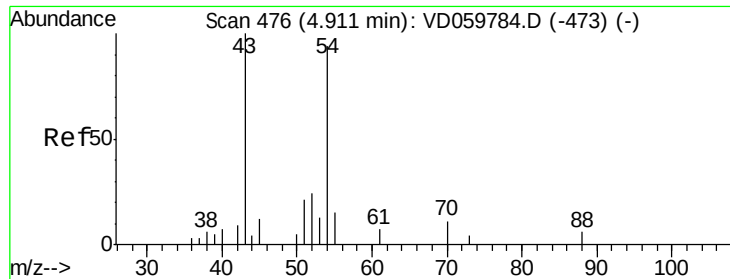
Tot Ion:113 Resp: 230841
 Ion Ratio Lower Upper
 113 100
 111 103.7 87.7 131.5
 192 19.0 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 65.04 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 75 Resp: 271411
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.3 45.8
 77 31.2 26.2 39.4

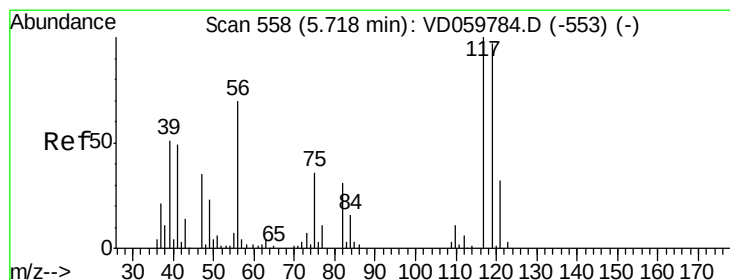
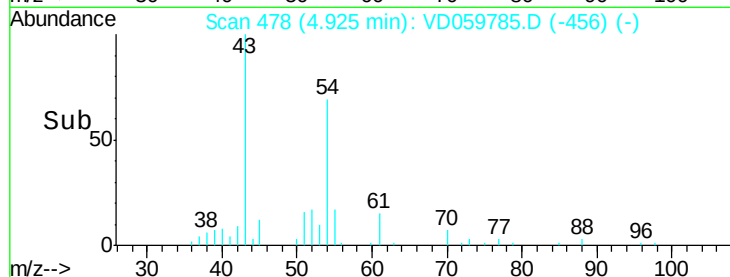
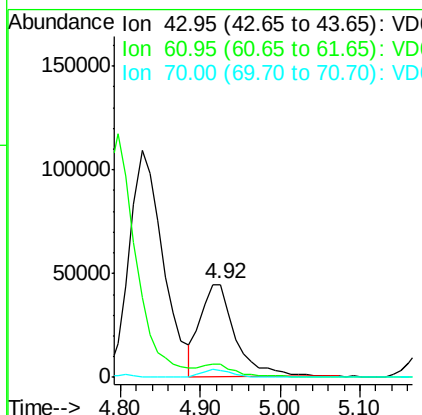
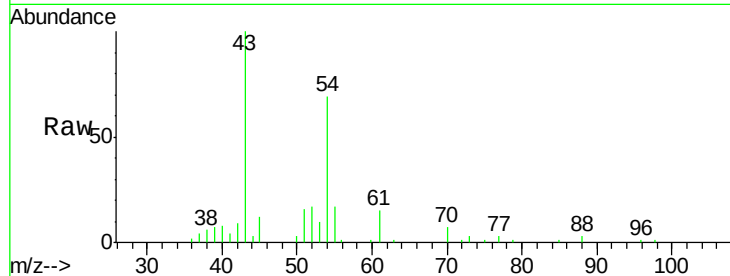




#37
Ethyl Acetate
Concen: 72.44 ug/l
RT: 4.92 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

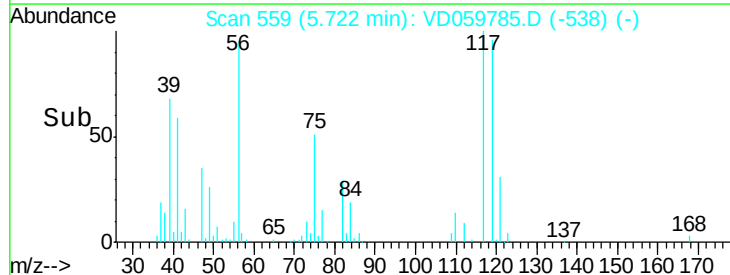
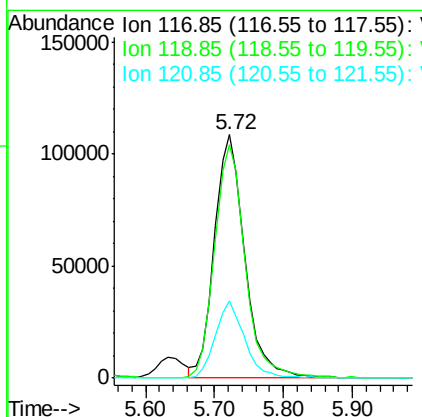
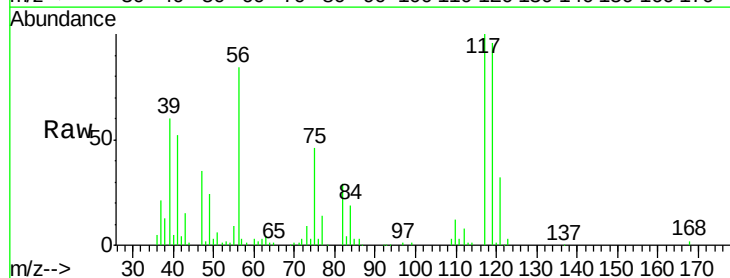
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

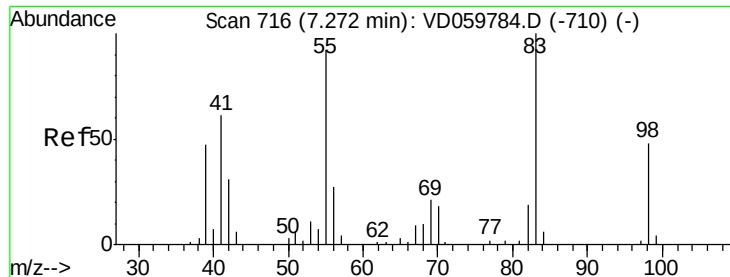
Tot Ion: 43 Resp: 134422
Ion Ratio Lower Upper
43 100
61 14.8 10.2 15.2
70 7.2 5.8 8.8



#38
Carbon Tetrachloride
Concen: 51.77 ug/l
RT: 5.72 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 117 Resp: 328449
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5
121 31.7 24.7 37.1

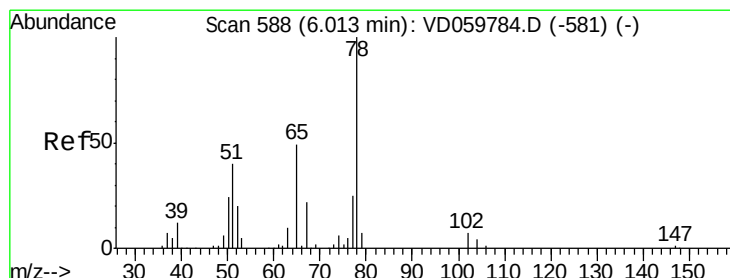
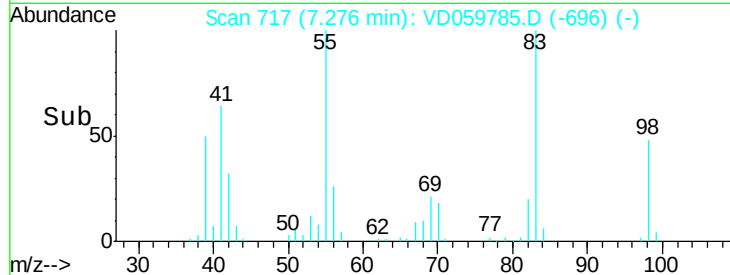
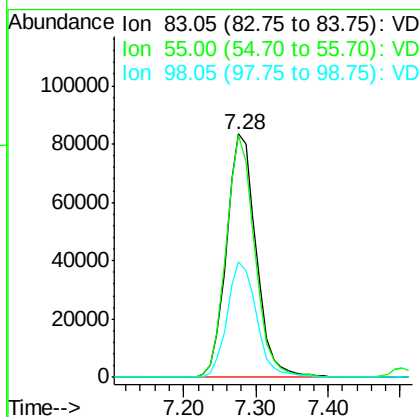
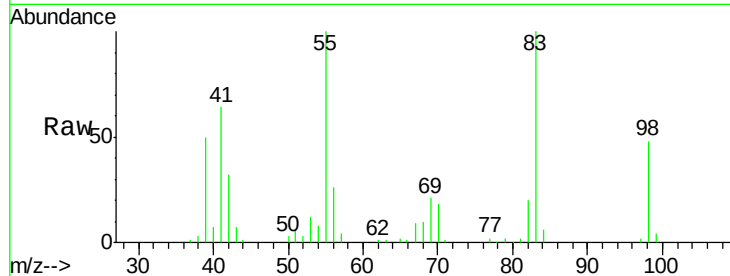




#39
Methylvlcyclohexane
Concen: 74.49 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

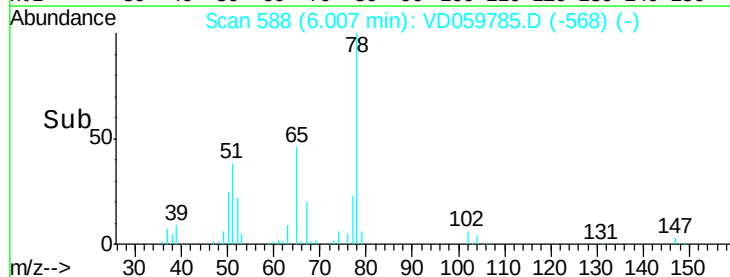
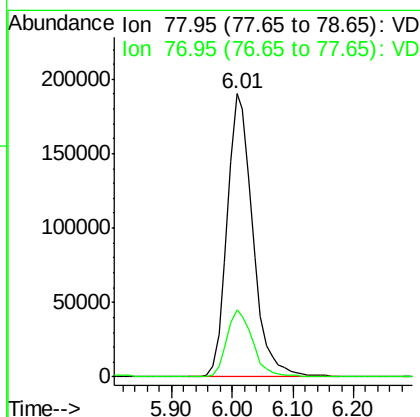
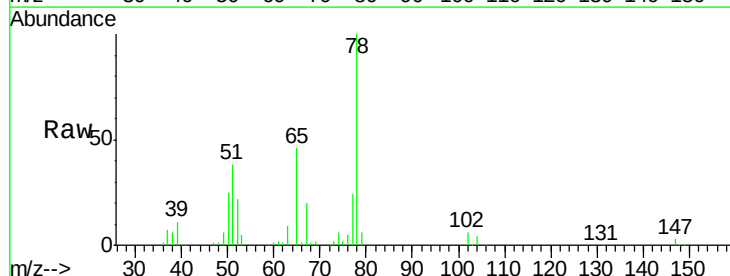
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

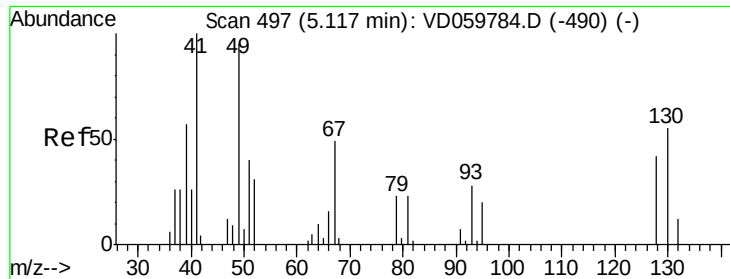
Tot Ion: 83 Resp: 238137
Ion Ratio Lower Upper
83 100
55 99.8 73.8 110.6
98 47.6 38.4 57.6



#40
Benzene
Concen: 74.18 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 78 Resp: 560948
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

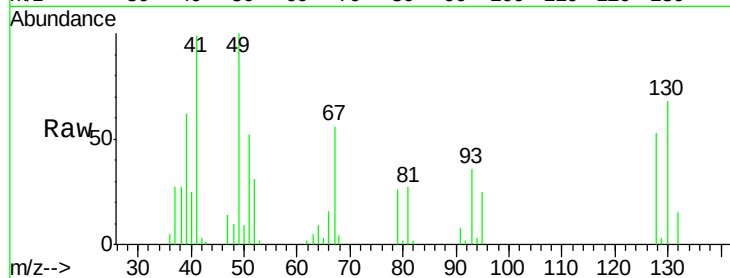




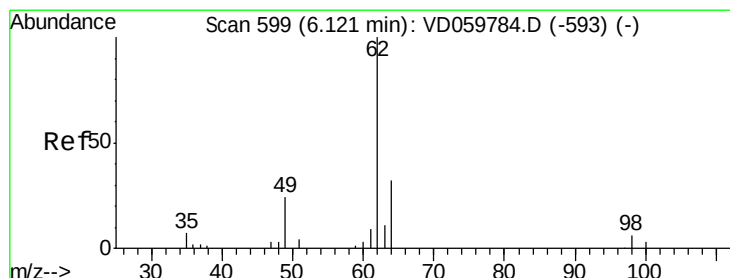
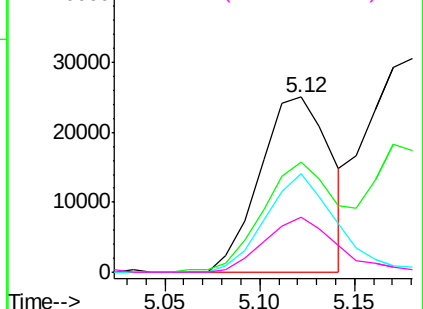
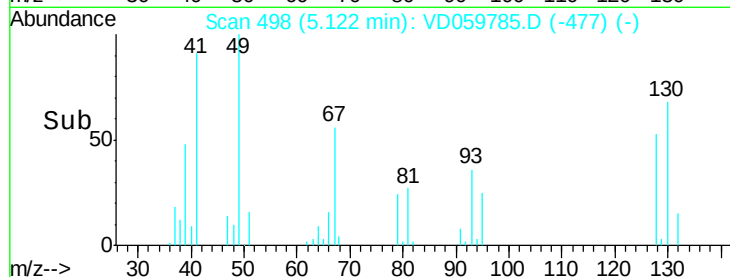
#41
Methacrylonitrile
Concen: 72.37 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 41 Resp: 65378
Ion Ratio Lower Upper
41 100
39 62.8 45.4 68.2
67 56.6 39.5 59.3
52 31.2 24.8 37.2

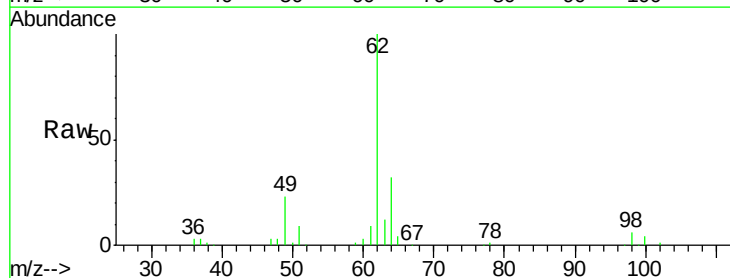


Abundance Ion 40.95 (40.65 to 41.65): VD
Ion 38.95 (38.65 to 39.65): VD
Ion 67.00 (66.70 to 67.70): VD
Ion 52.00 (51.70 to 52.70): VD

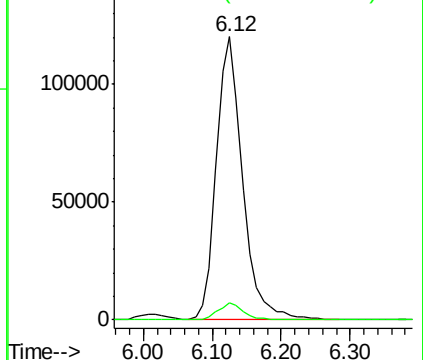
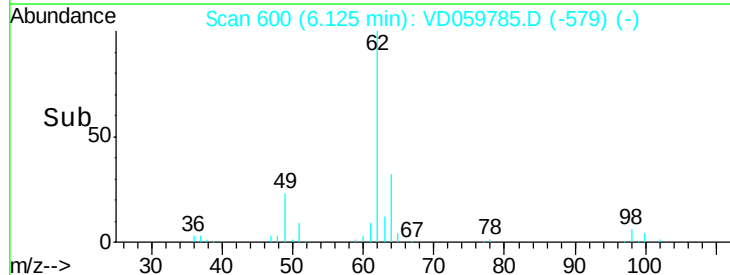


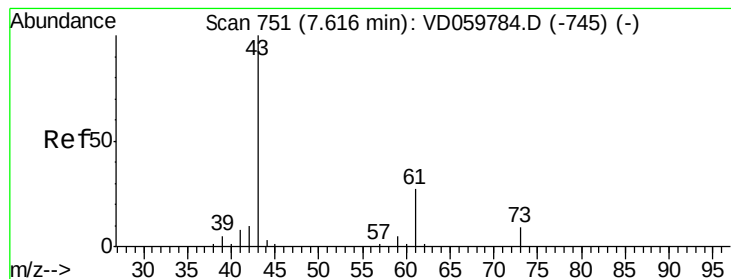
#42
1,2-Dichloroethane
Concen: 56.92 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 62 Resp: 317583
Ion Ratio Lower Upper
62 100
98 5.9 0.0 12.0



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





#43

Isopropyl Acetate

Concen: 75.66 ug/l

RT: 7.61 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

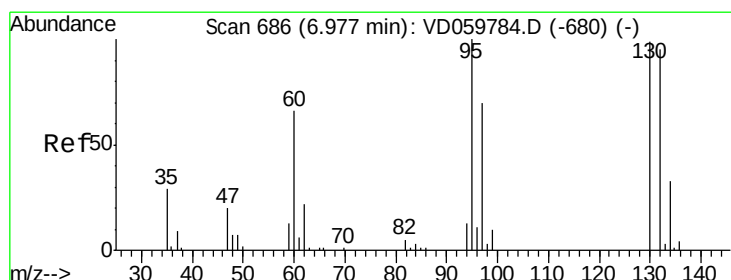
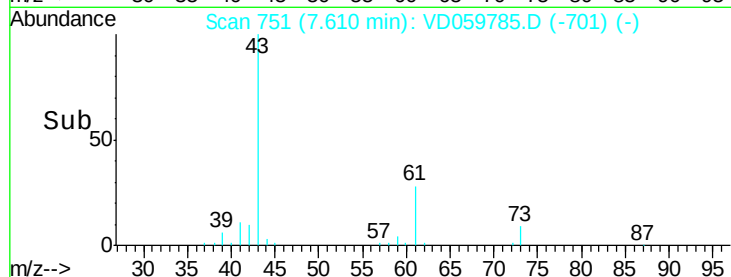
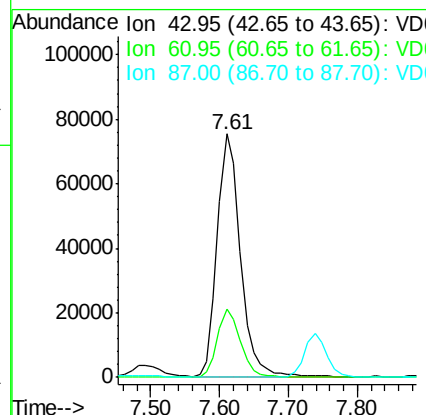
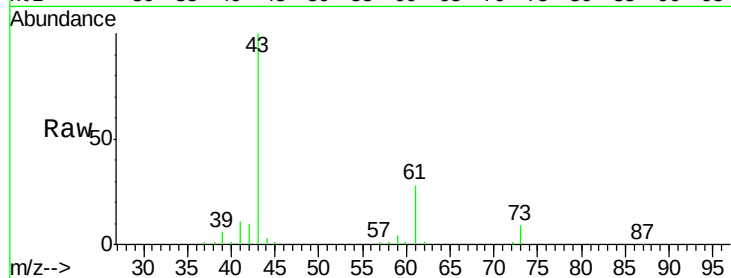
Tot Ion: 43 Resp: 178301

Ion Ratio Lower Upper

43 100

61 28.1 21.2 31.8

87 0.4 0.0 0.0#



#44

Trichloroethene

Concen: 67.96 ug/l

RT: 6.98 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD059785.D

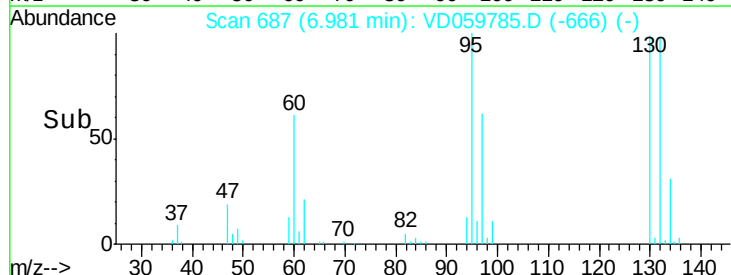
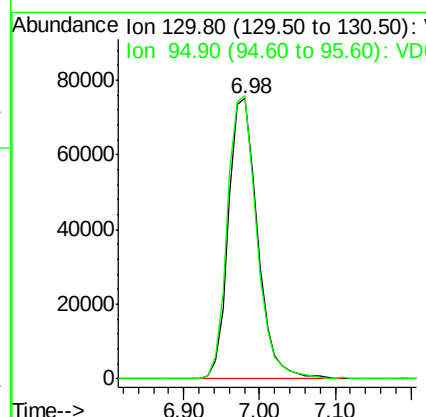
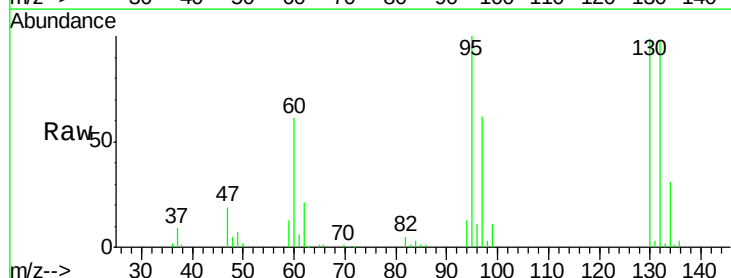
Acq: 15 Aug 2018 1:19

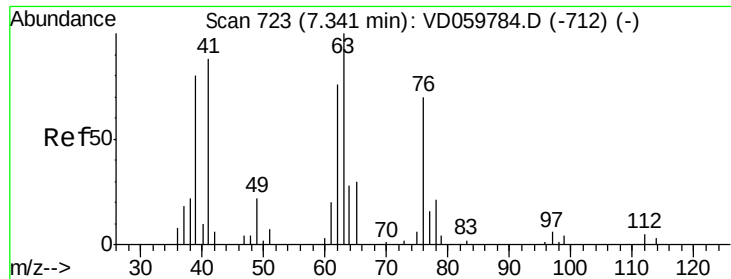
Tgt Ion:130 Resp: 199550

Ion Ratio Lower Upper

130 100

95 100.9 0.0 201.2

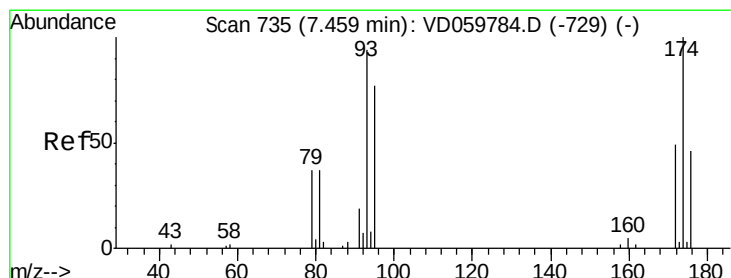
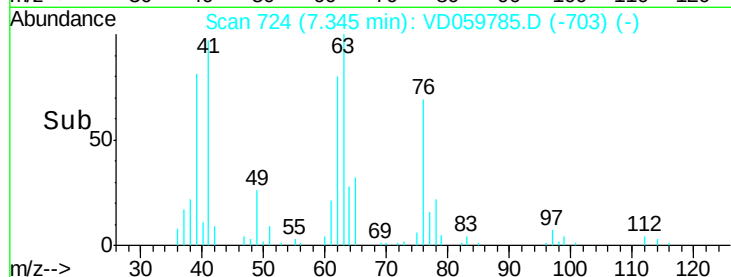
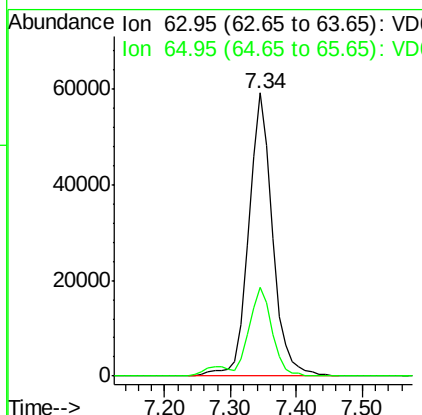
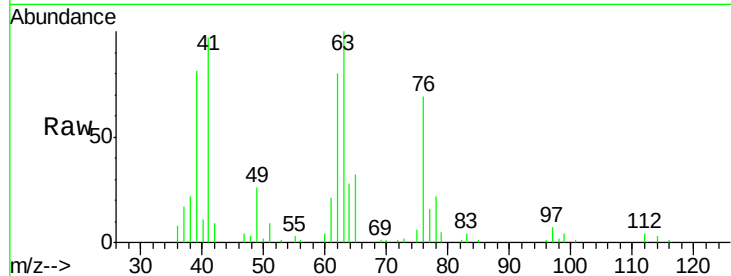




#45
 1,2-Dichloropropane
 Concen: 77.18 ug/l
 RT: 7.34 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

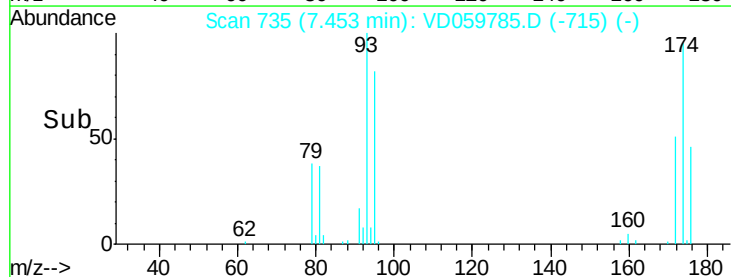
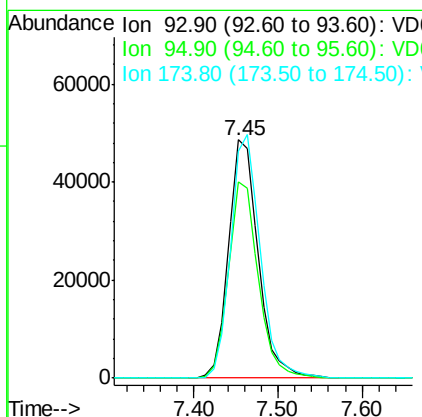
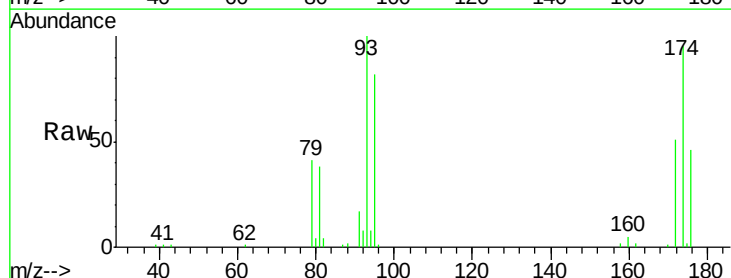
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

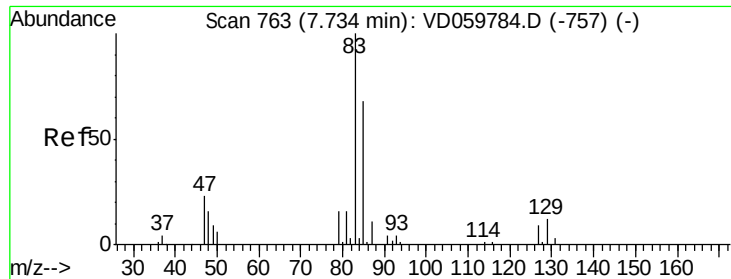
Tot Ion: 63 Resp: 150541
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 61.26 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 93 Resp: 119227
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.4
 174 95.1 85.5 128.3





#47

Bromodichloromethane

Concen: 60.12 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

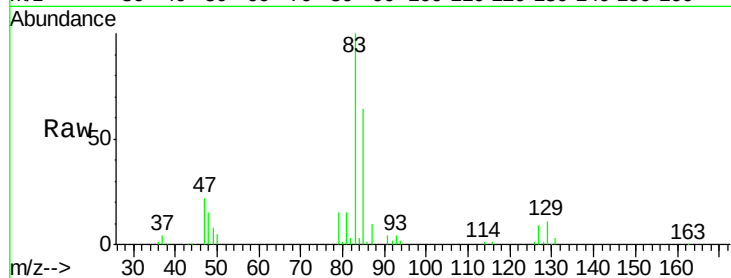
Tot Ion: 83 Resp: 306365

Ion Ratio Lower Upper

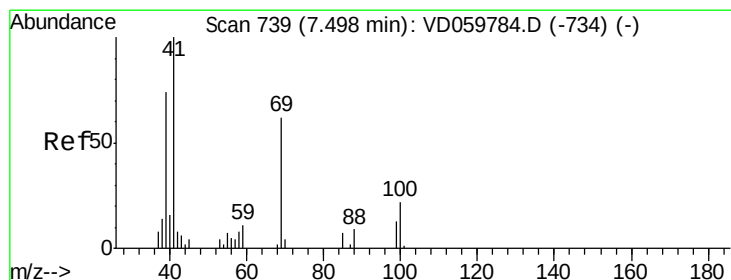
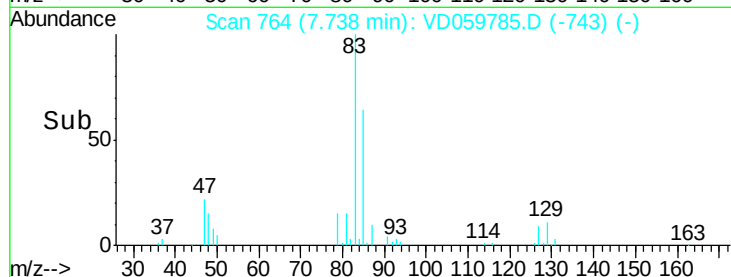
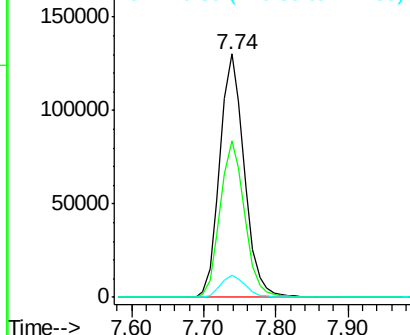
83 100

85 64.4 54.1 81.1

127 9.2 7.5 11.3



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



#48

Methyl methacrylate

Concen: 70.70 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

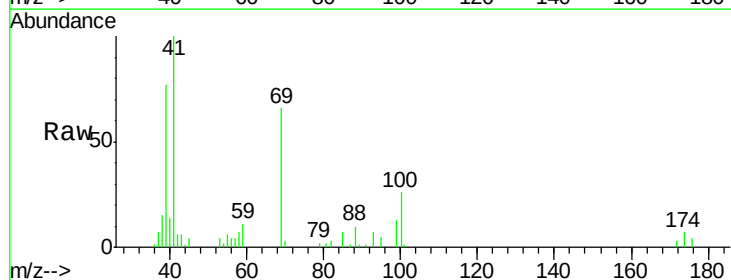
Tgt Ion: 41 Resp: 119556

Ion Ratio Lower Upper

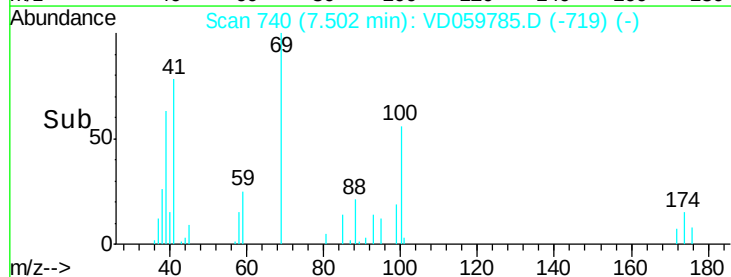
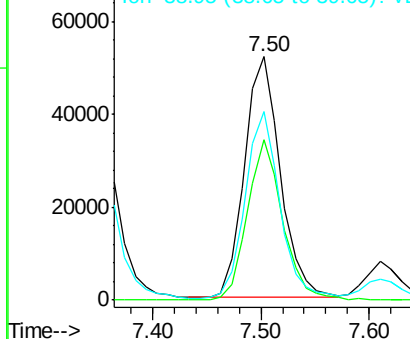
41 100

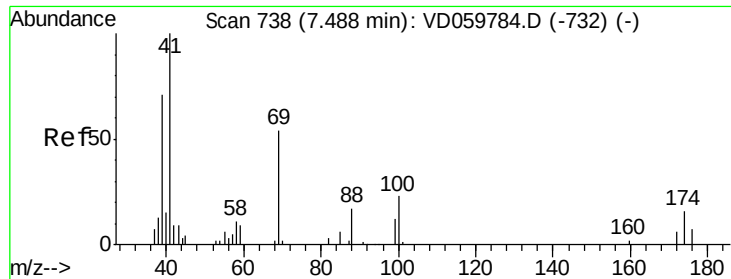
69 66.0 49.8 74.8

39 77.4 59.0 88.4



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

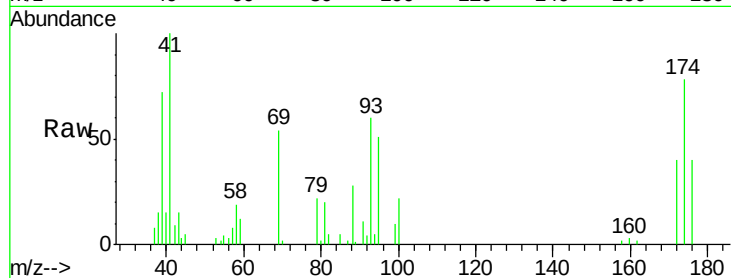




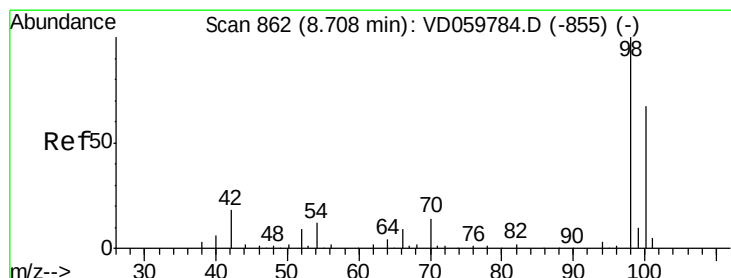
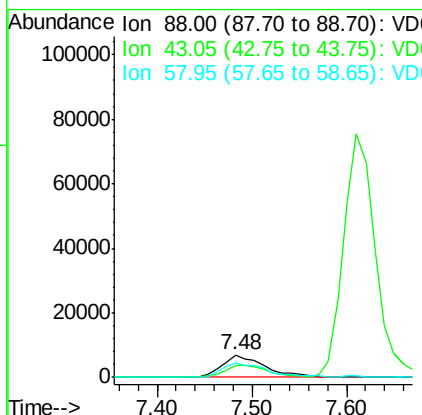
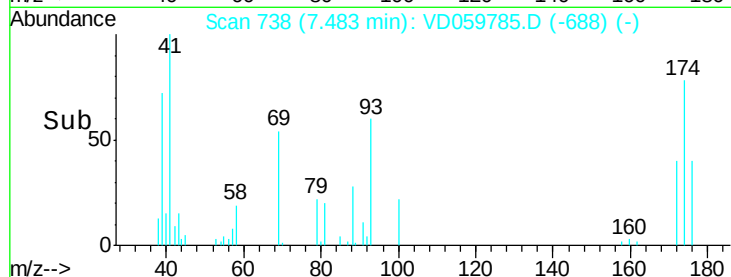
#49
1,4-Dioxane
Concen: 1732.73 ug/l
RT: 7.48 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 20865
Ion Ratio Lower Upper
88 100
43 53.3 42.0 63.0
58 66.2 51.4 77.0

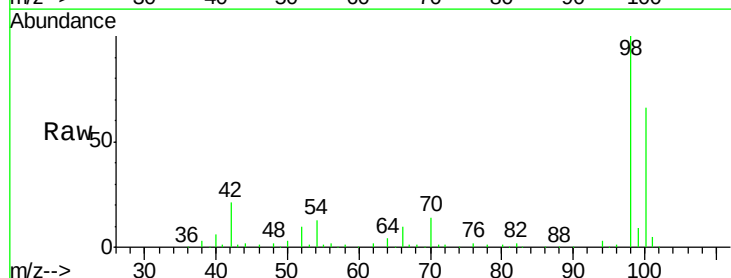


Abundance Ion 88.00 (87.70 to 88.70): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 57.95 (57.65 to 58.65): VD

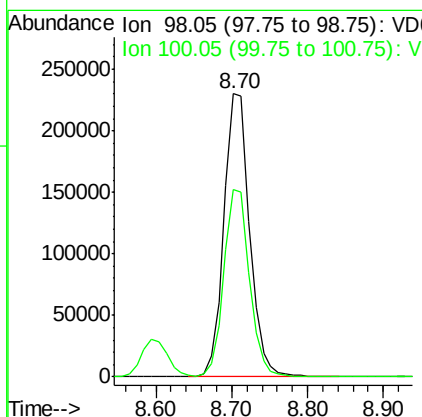
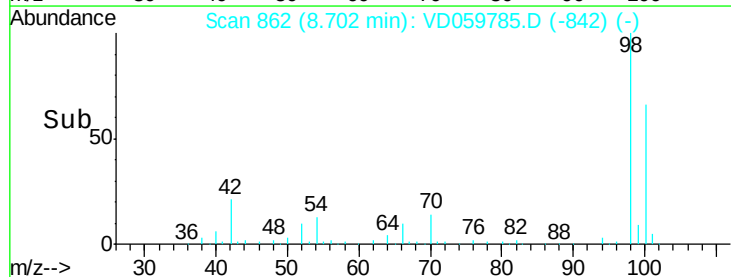


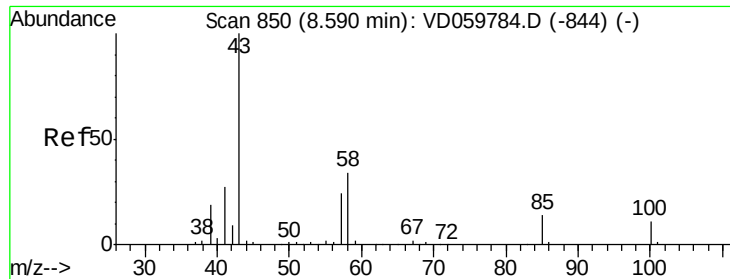
#50
Toluene-d8
Concen: 1732.73 ug/l
RT: 8.70 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 98 Resp: 541391
Ion Ratio Lower Upper
98 100
100 66.2 54.2 81.4



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





#51

4-Methyl-2-Pentanone

Concen: 385.99 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

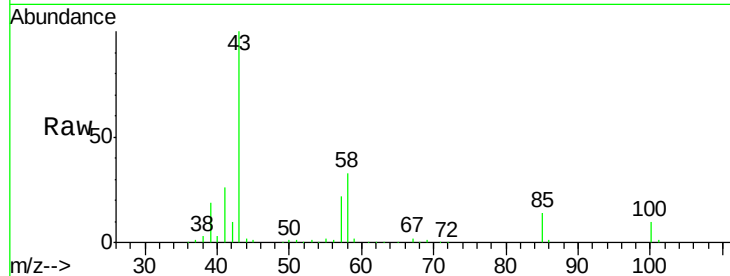
VSTDIC075

Tot Ion: 43 Resp: 699834

Ion Ratio Lower Upper

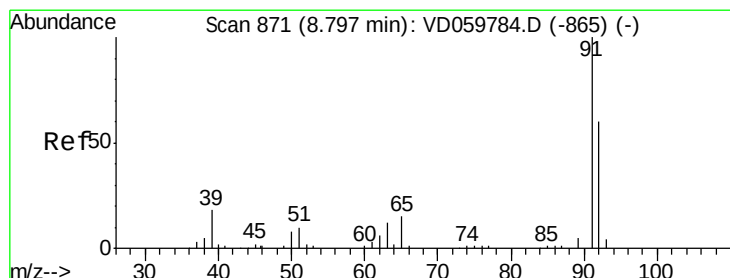
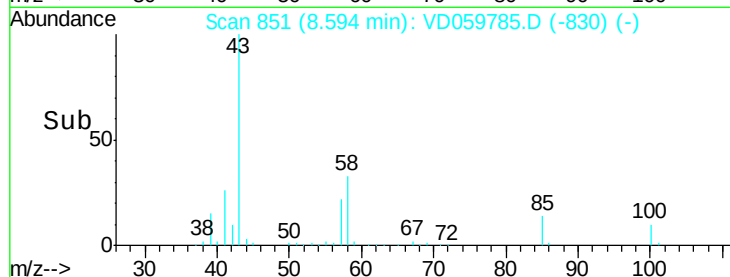
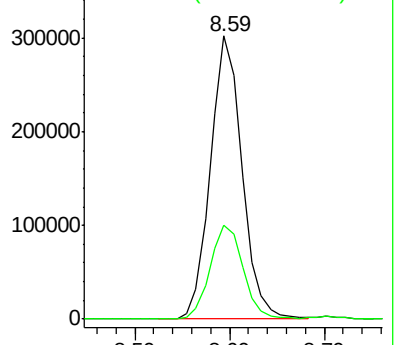
43 100

58 33.3 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#52

Toluene

Concen: 72.67 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059785.D

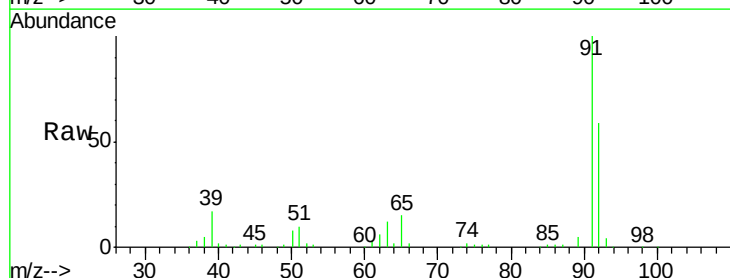
Acq: 15 Aug 2018 1:19

Tgt Ion: 92 Resp: 353902

Ion Ratio Lower Upper

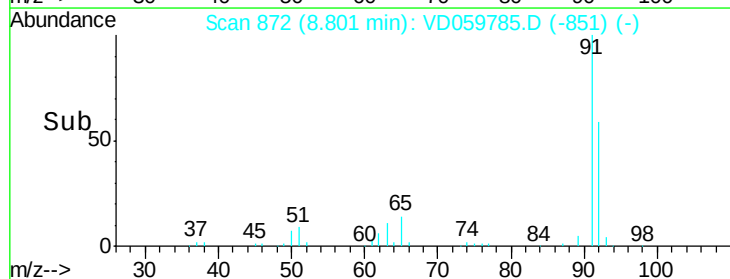
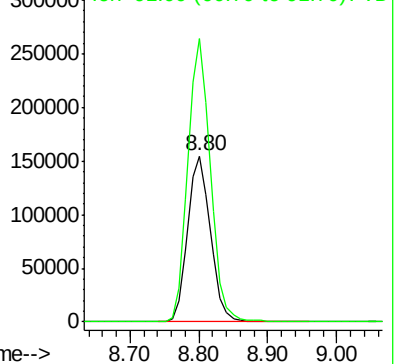
92 100

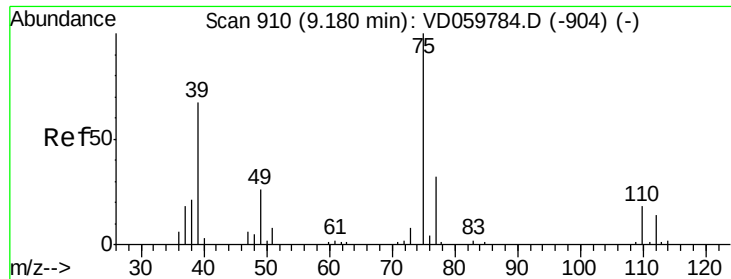
91 170.6 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VD

Ion 91.00 (90.70 to 91.70): VD





#53

t-1,3-Dichloropropene

Concen: 62.22 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

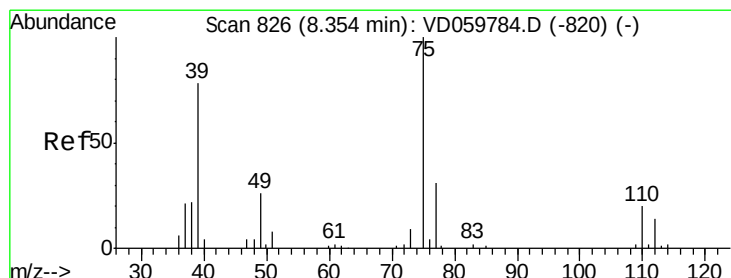
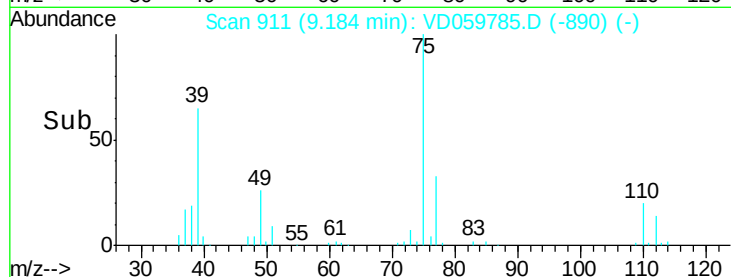
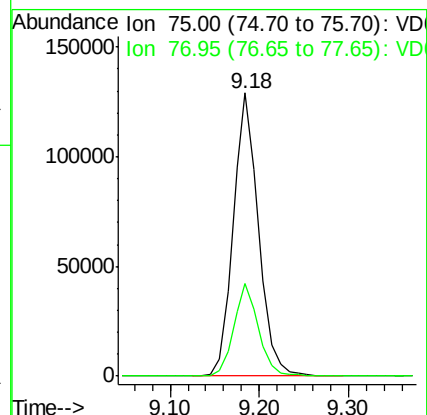
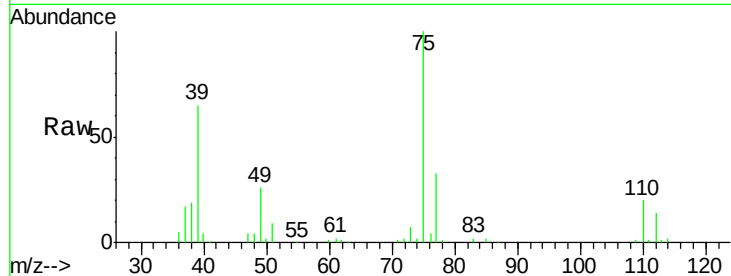
VSTDIC075

Tot Ion: 75 Resp: 255949

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 65.55 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

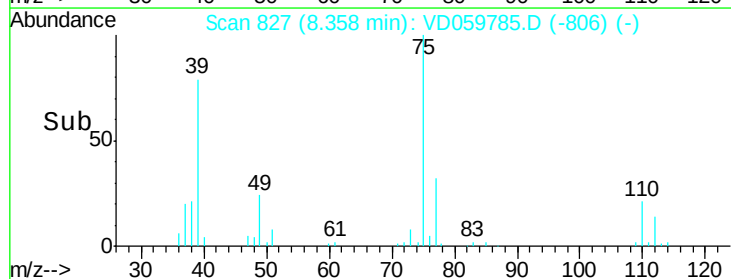
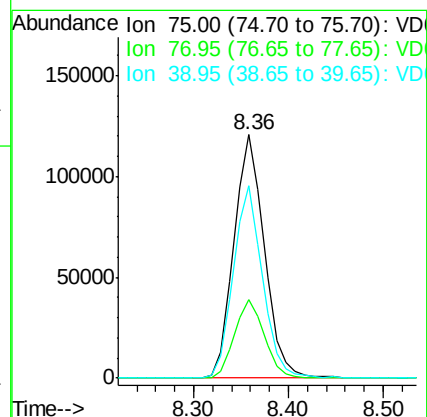
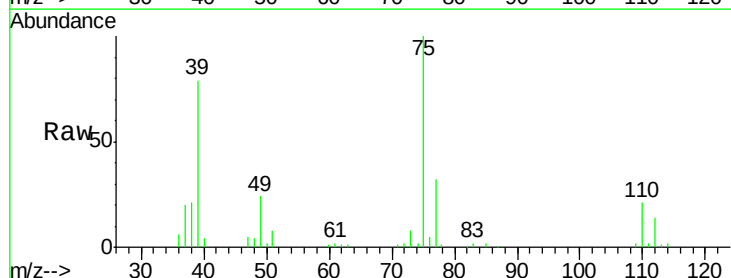
Tgt Ion: 75 Resp: 267980

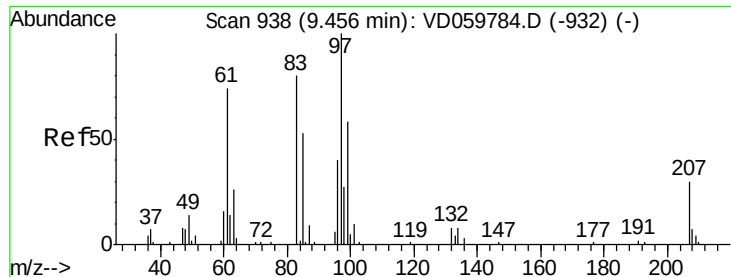
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 79.0 62.5 93.7

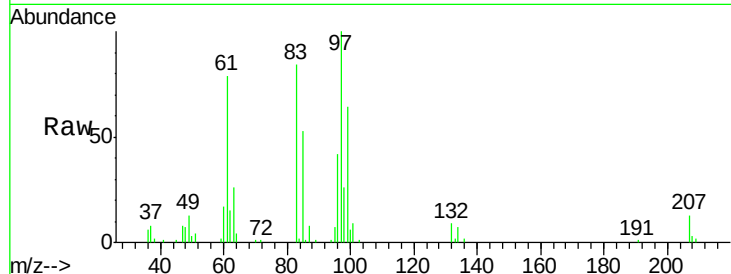




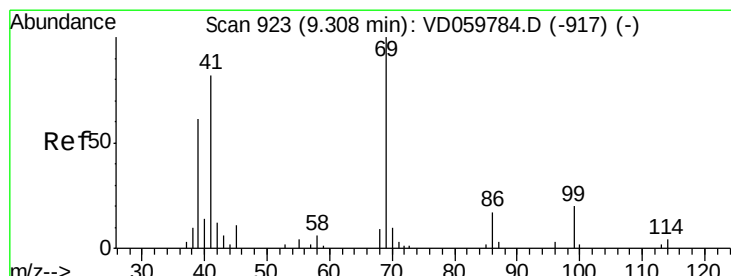
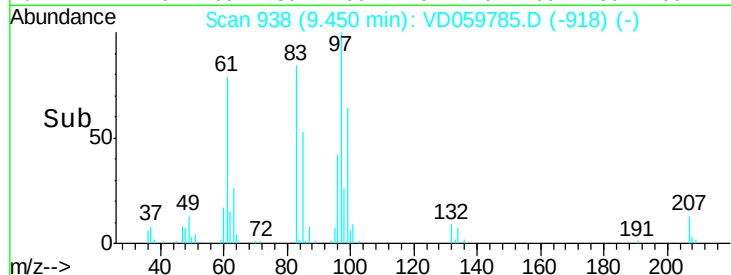
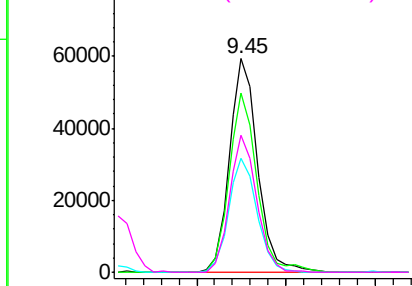
#55
 1,1,2-Trichloroethane
 Concen: 69.51 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	131332
Ion	Ratio	Lower	Upper
97	100		
83	83.8	63.8	95.8
85	53.2	42.5	63.7
99	64.2	46.2	69.4

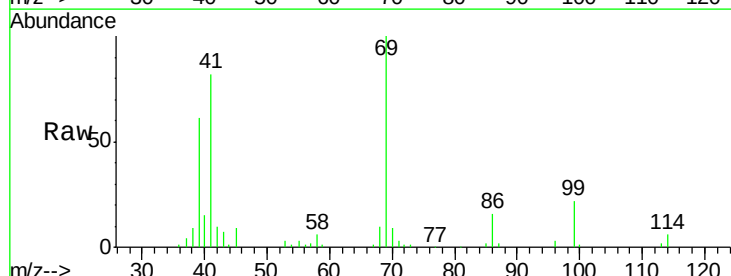


Abundance Ion 96.85 (96.55 to 97.55): VD
 Ion 82.95 (82.65 to 83.65): VD
 Ion 84.95 (84.65 to 85.65): VD
 Ion 98.85 (98.55 to 99.55): VD

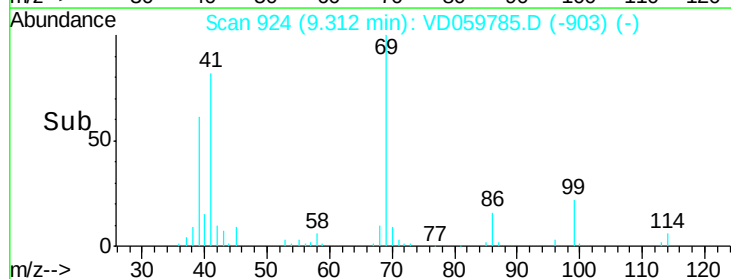
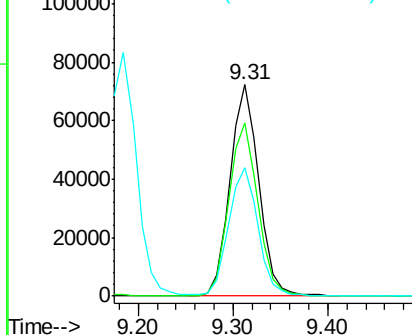


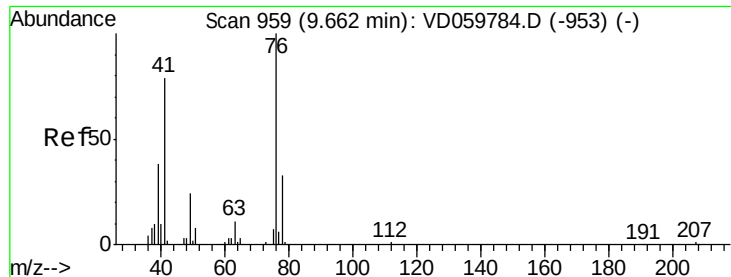
#56
 Ethyl methacrylate
 Concen: 70.41 ug/l
 RT: 9.31 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:	69	Resp:	151600
Ion	Ratio	Lower	Upper
69	100		
41	81.9	65.8	98.8
39	61.0	49.7	74.5



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

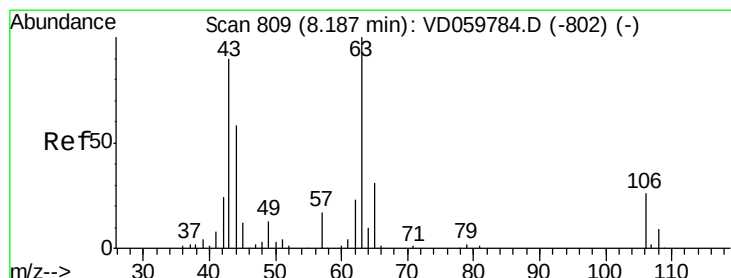
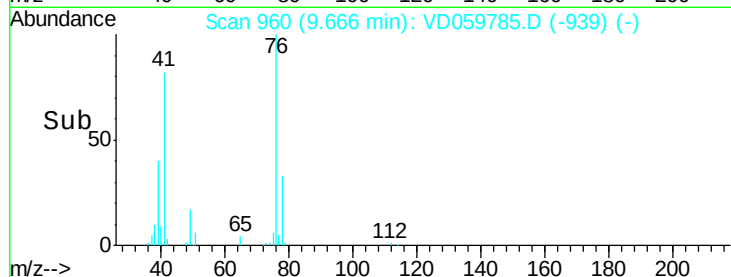
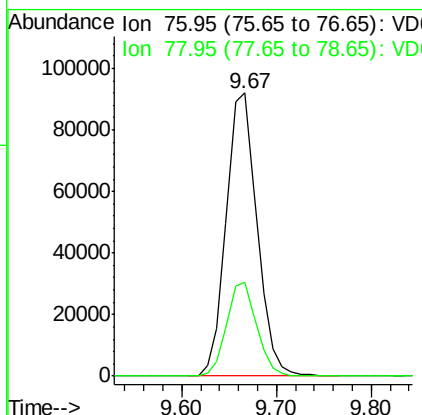
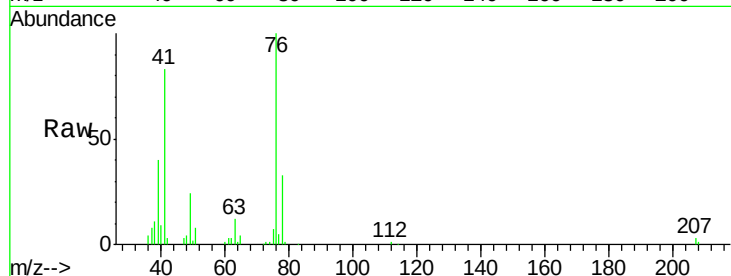




#57
 1,3-Dichloropropane
 Concen: 67.22 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

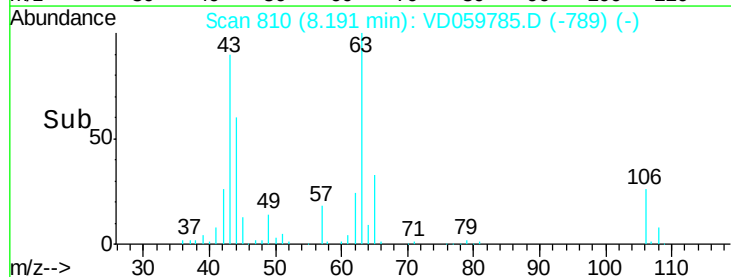
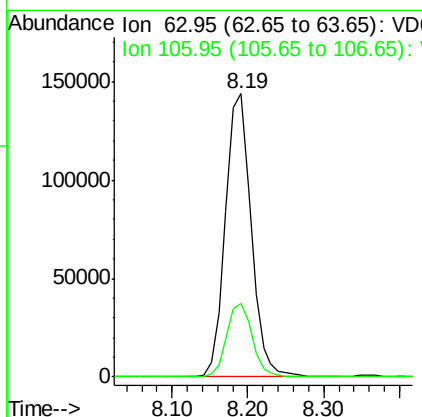
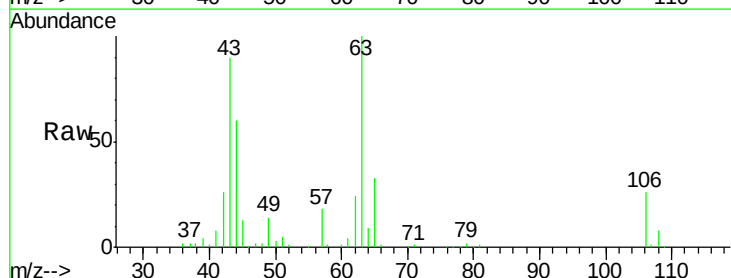
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

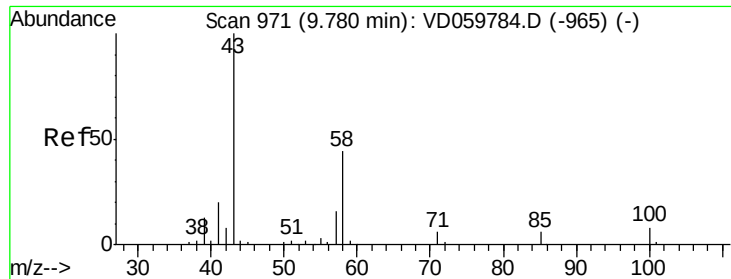
Tot Ion: 76 Resp: 207830
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 342.11 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 63 Resp: 338242
 Ion Ratio Lower Upper
 63 100
 106 25.8 21.1 31.7

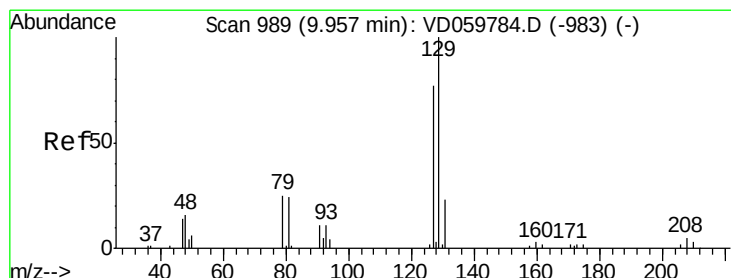
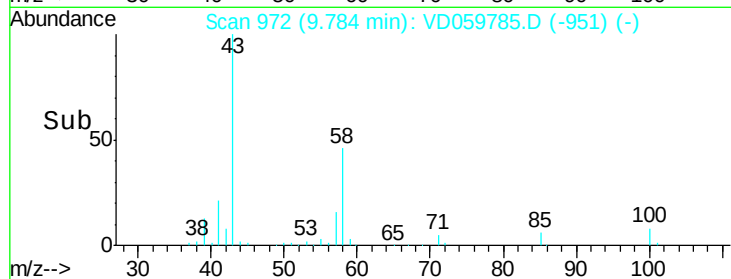
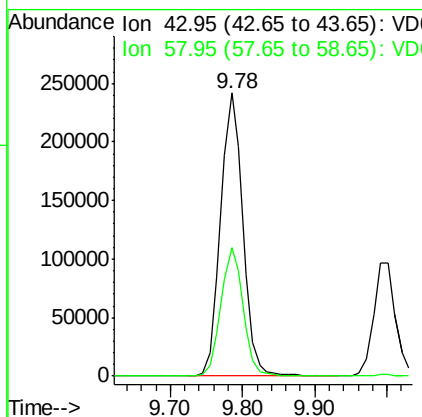
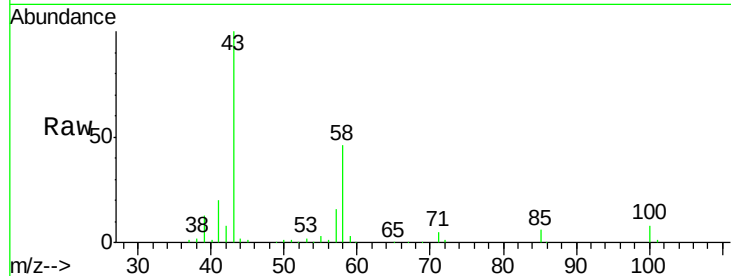




#59
2-Hexanone
Concen: 385.10 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

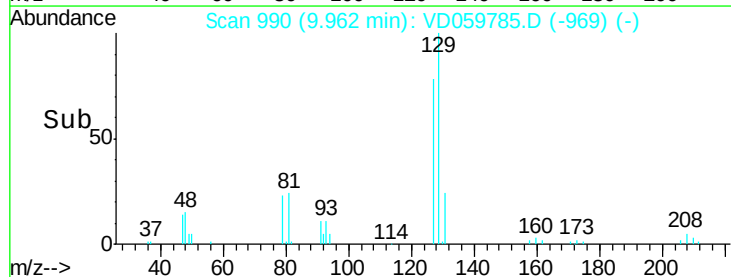
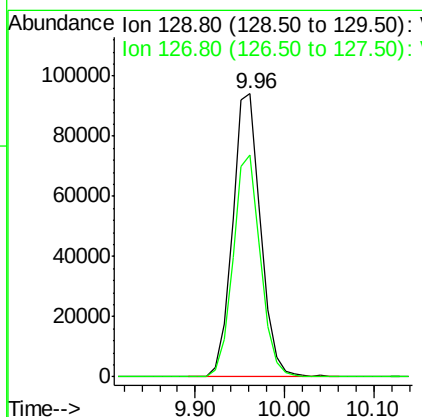
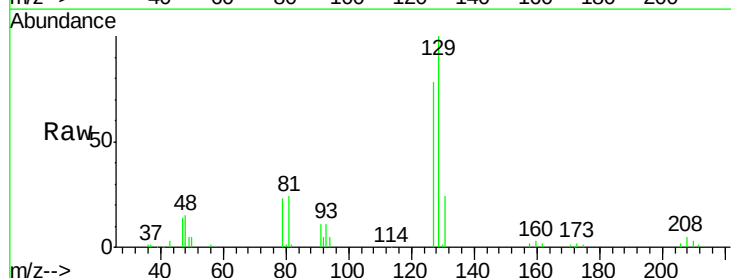
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

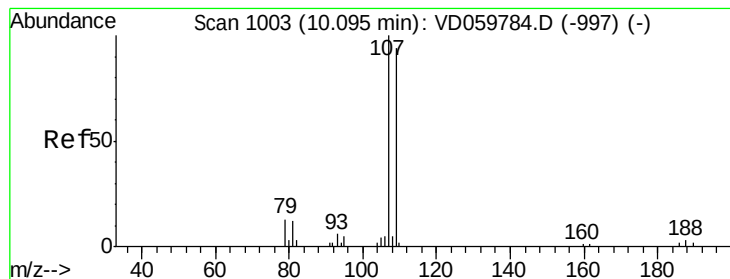
Tot Ion: 43 Resp: 514042
Ion Ratio Lower Upper
43 100
58 45.6 22.3 66.8



#60
Dibromochloromethane
Concen: 59.43 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:129 Resp: 206692
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 65.61 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

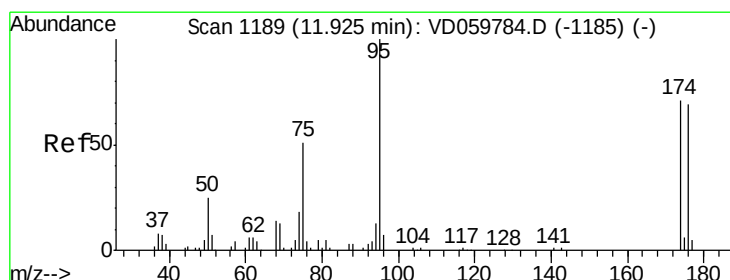
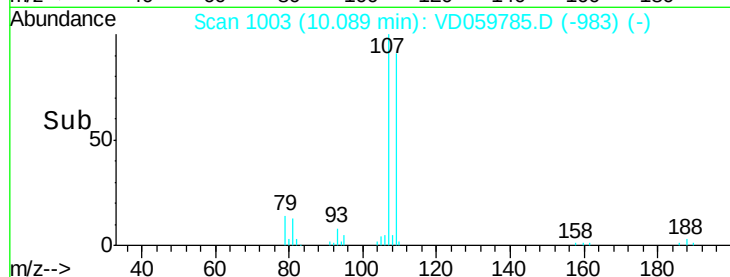
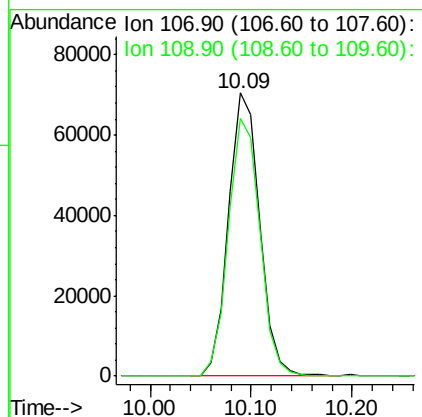
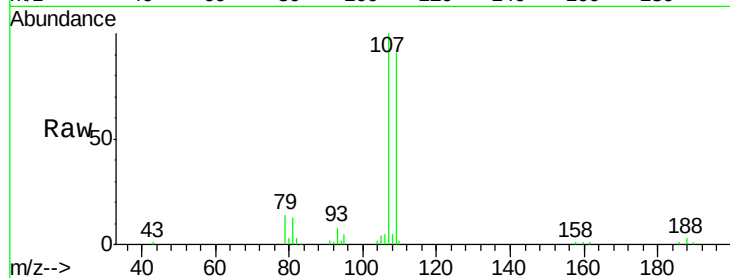
VSTDIC075

Tot Ion:107 Resp: 150928

Ion Ratio Lower Upper

107 100

109 91.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 65.61 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

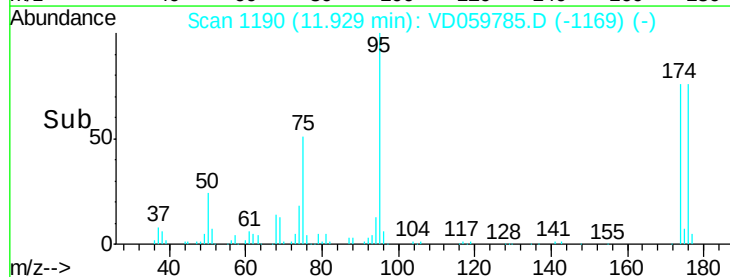
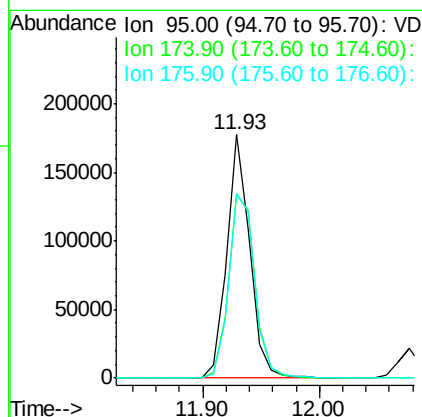
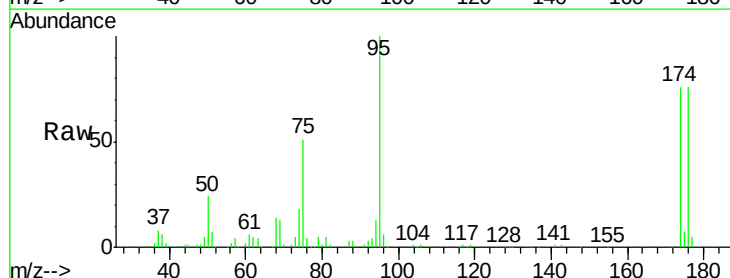
Tgt Ion: 95 Resp: 240588

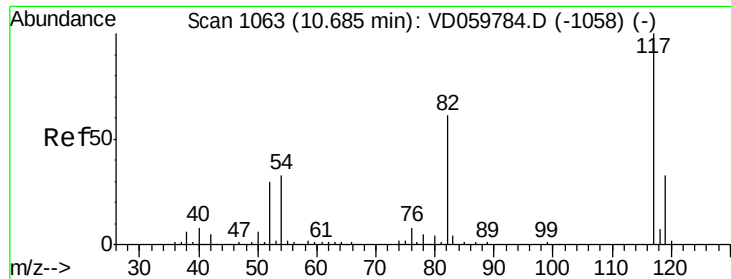
Ion Ratio Lower Upper

95 100

174 75.5 0.0 142.2

176 75.7 0.0 137.4

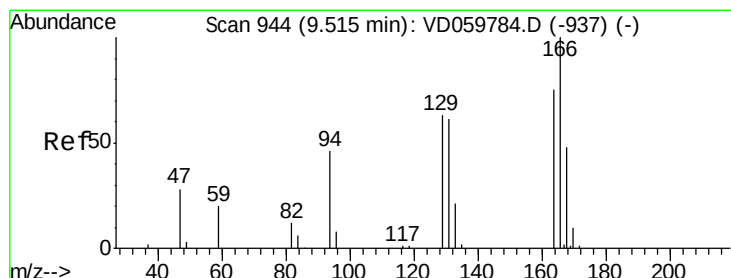
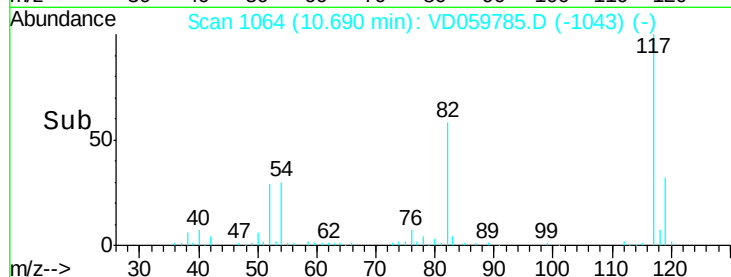
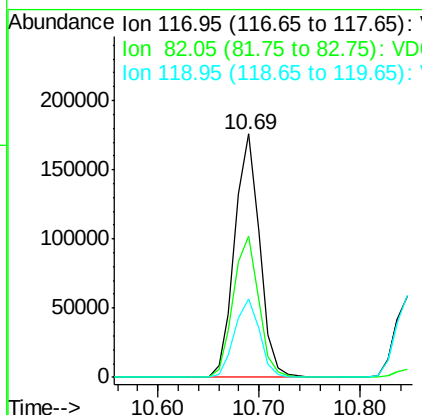
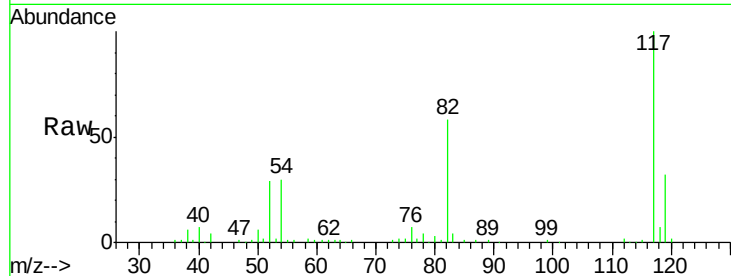




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

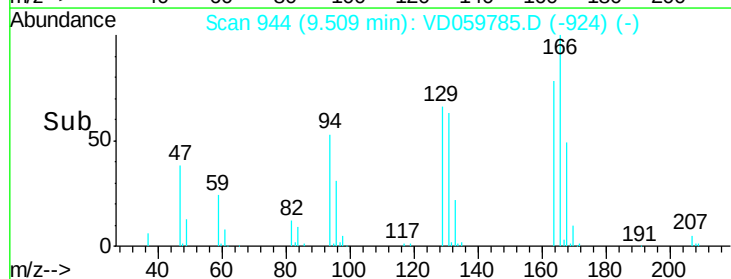
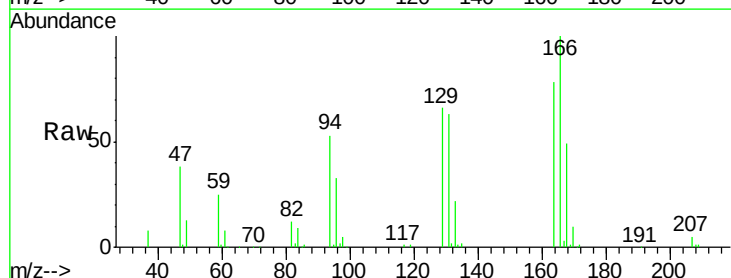
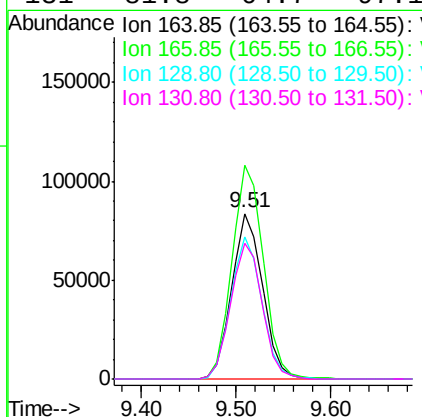
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

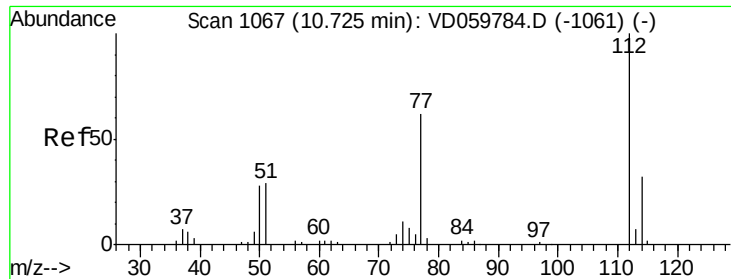
Tot Ion:117 Resp: 301613
Ion Ratio Lower Upper
117 100
82 57.8 49.0 73.6
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 65.30 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:164 Resp: 188302
Ion Ratio Lower Upper
164 100
166 128.9 106.8 160.2
129 85.5 67.2 100.8
131 81.8 64.7 97.1

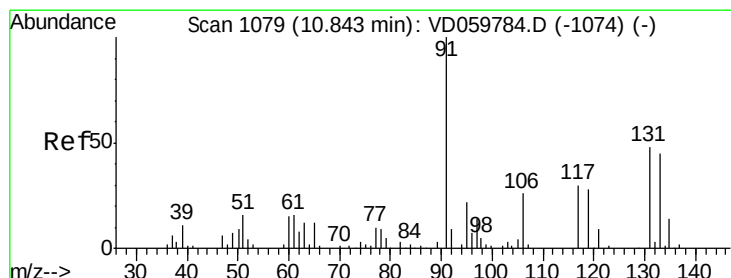
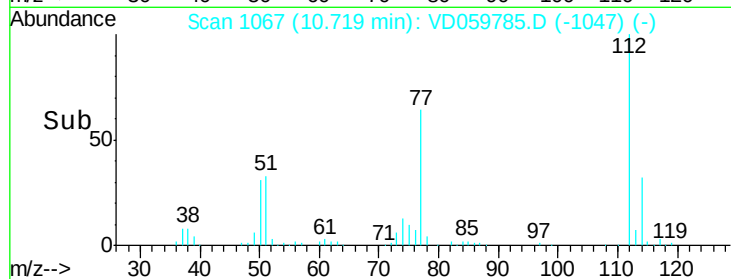
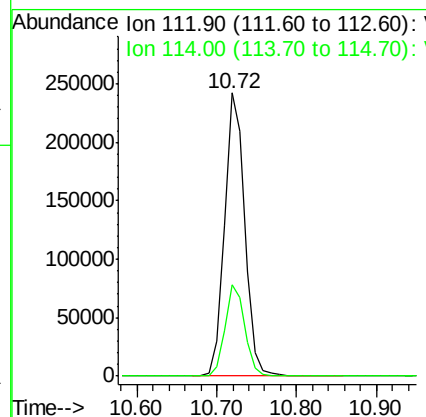
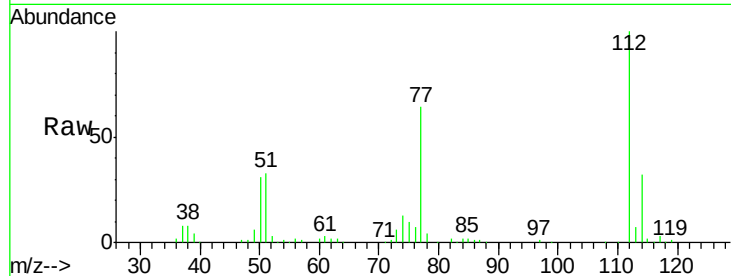




#65
Chlorobenzene
Concen: 71.07 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

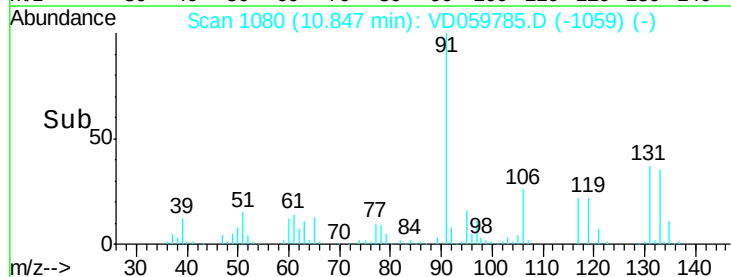
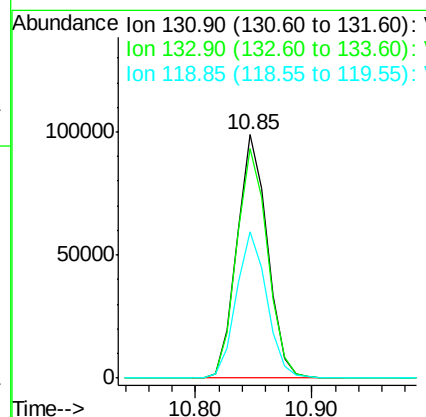
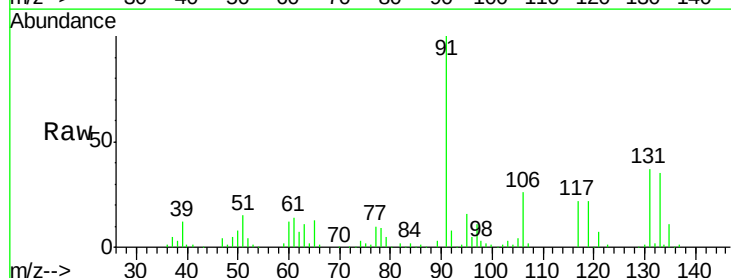
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

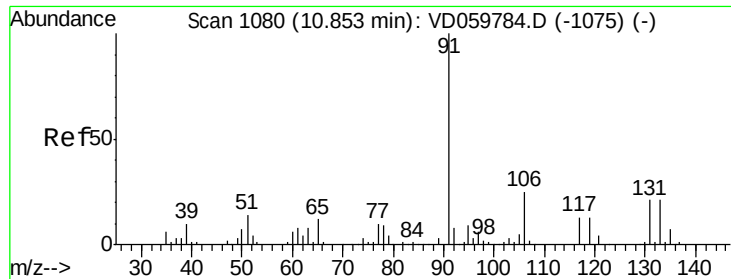
Tot Ion:112 Resp: 433773
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 59.91 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:131 Resp: 178542
Ion Ratio Lower Upper
131 100
133 94.1 47.0 141.0
119 60.3 29.0 87.1

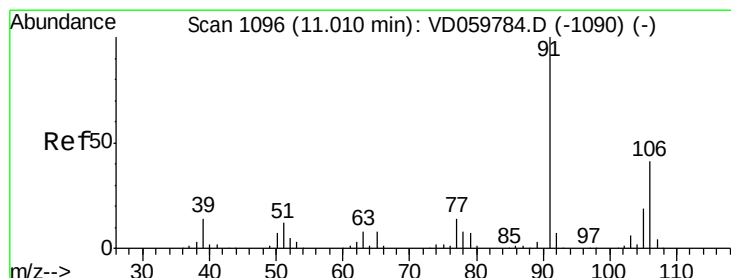
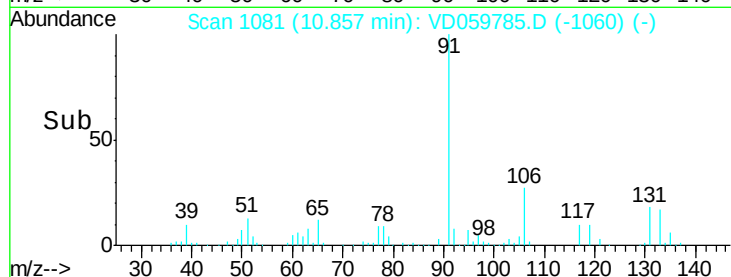
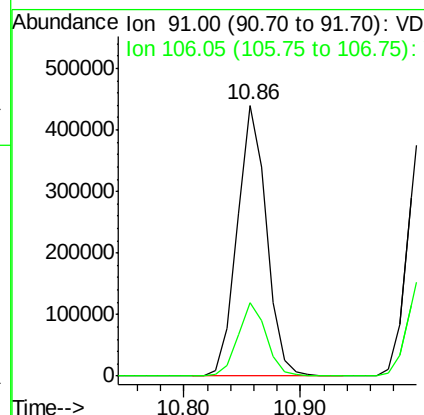
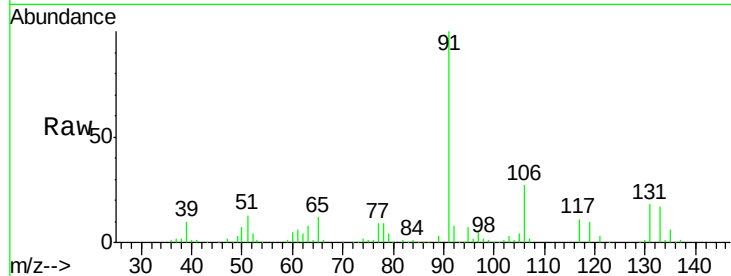




#67
Ethyl Benzene
Concen: 67.44 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

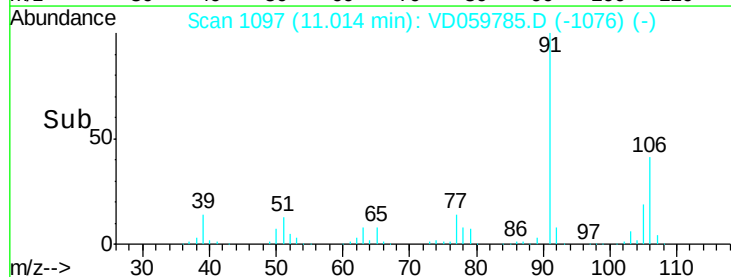
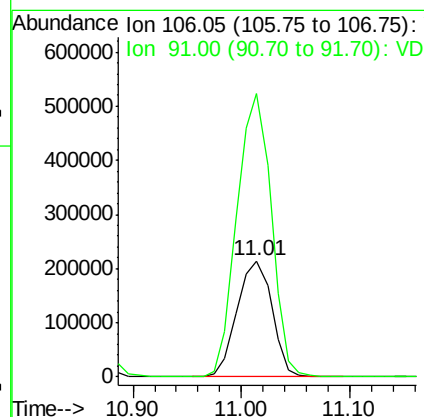
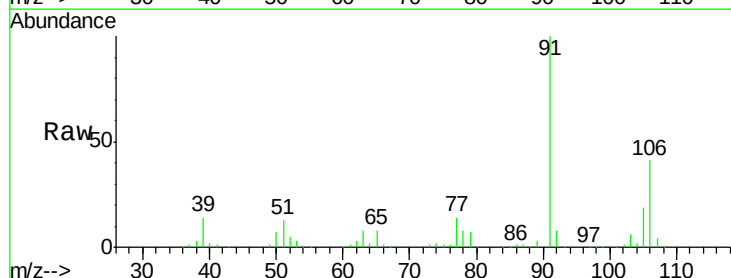
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

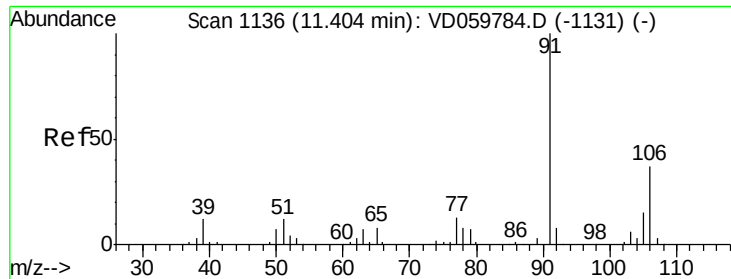
Tot Ion: 91 Resp: 760753
Ion Ratio Lower Upper
91 100
106 27.3 20.1 30.1



#68
m/p-Xylenes
Concen: 130.51 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 106 Resp: 482191
Ion Ratio Lower Upper
106 100
91 243.7 197.4 296.0

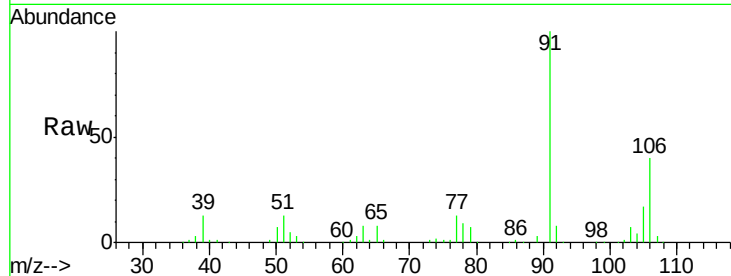




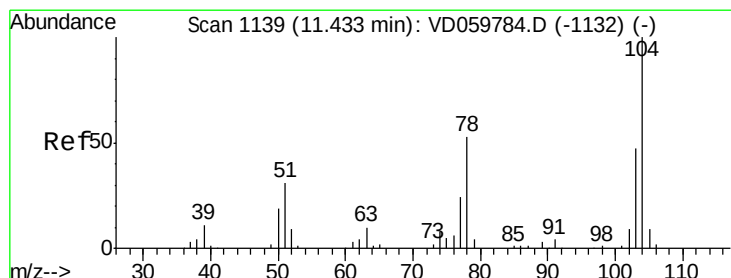
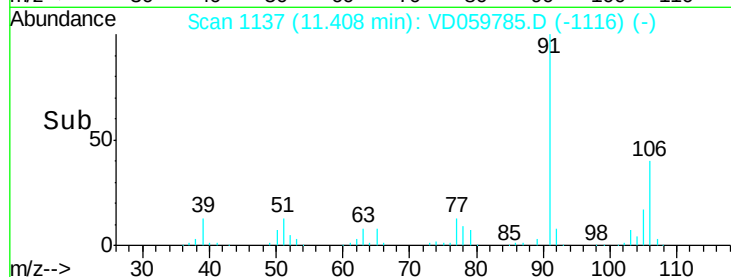
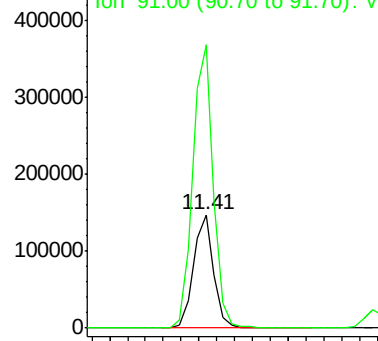
#69
o-Xylene
Concen: 65.61 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 234194
Ion Ratio Lower Upper
106 100
91 249.0 133.7 401.1

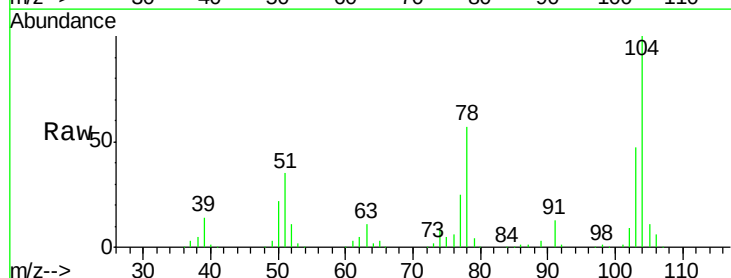


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

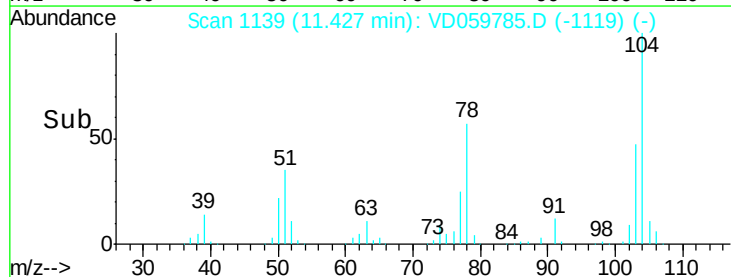
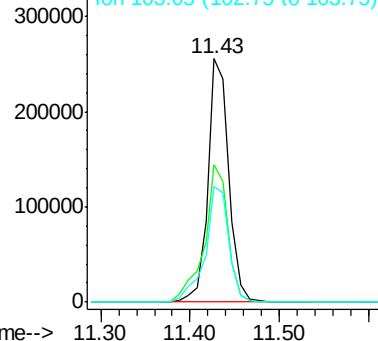


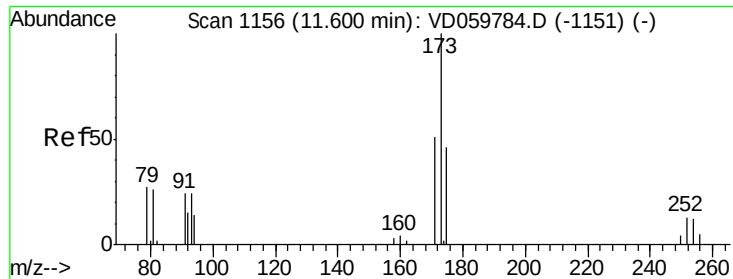
#70
Styrene
Concen: 70.73 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:104 Resp: 418468
Ion Ratio Lower Upper
104 100
78 56.7 42.6 64.0
103 47.5 37.8 56.6



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





#71

Bromoform

Concen: 63.06 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

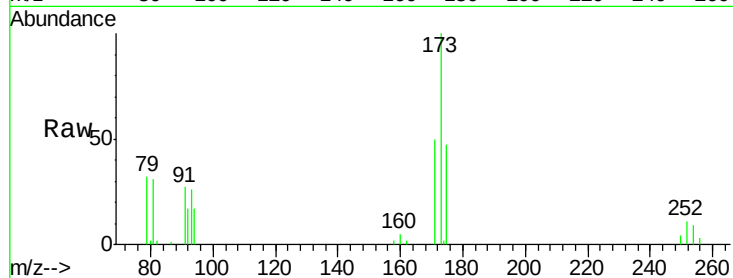
Tot Ion:173 Resp: 140370

Ion Ratio Lower Upper

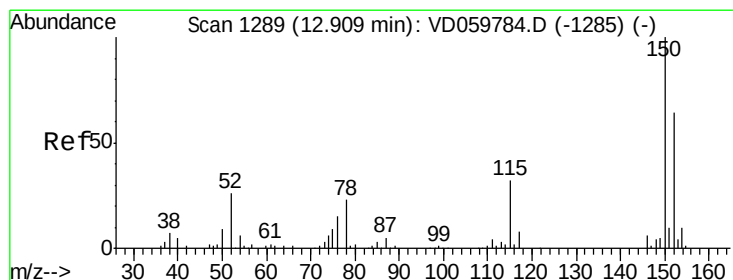
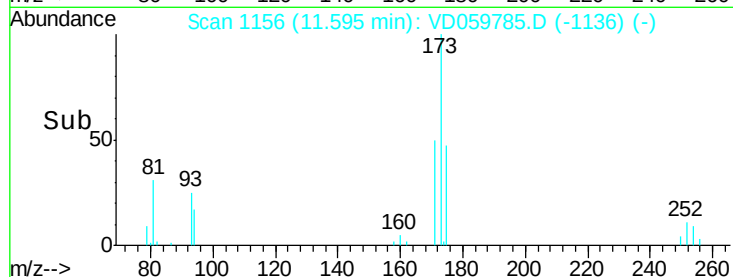
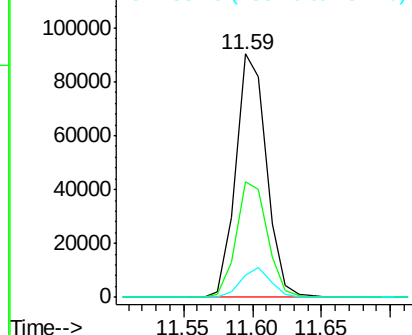
173 100

175 47.3 23.1 69.2

254 9.2 9.7 14.5#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

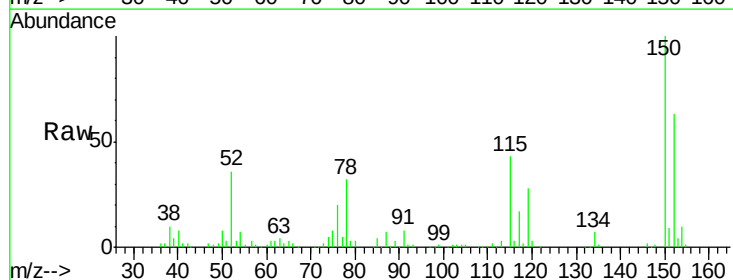
Tgt Ion:152 Resp: 160475

Ion Ratio Lower Upper

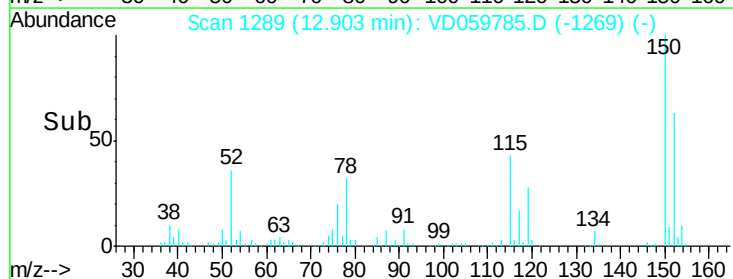
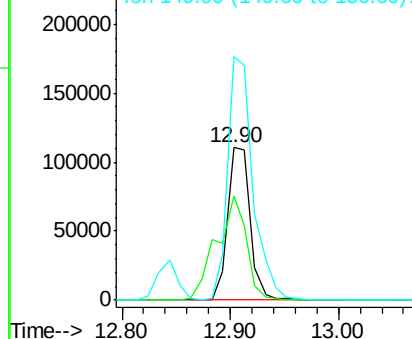
152 100

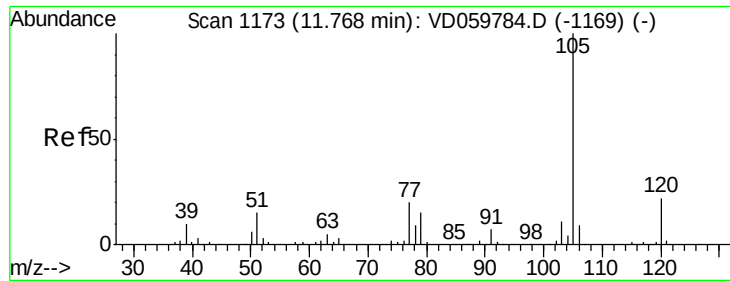
115 68.3 27.2 81.5

150 159.9 0.0 312.4



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

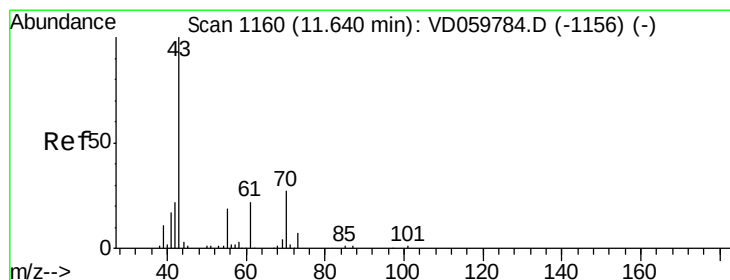
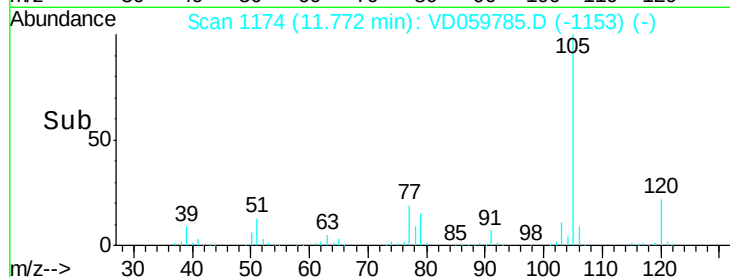
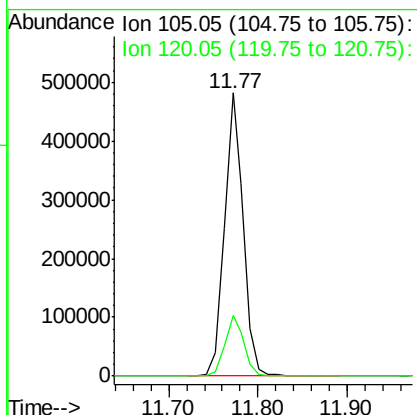
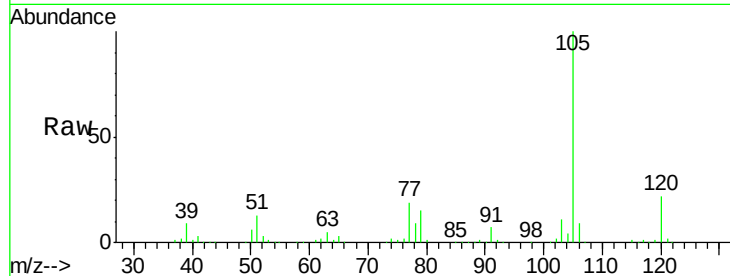




#73
Isopropylbenzene
Concen: 65.98 ug/l
RT: 11.77 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

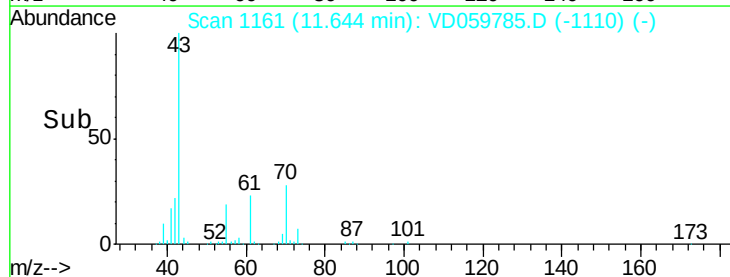
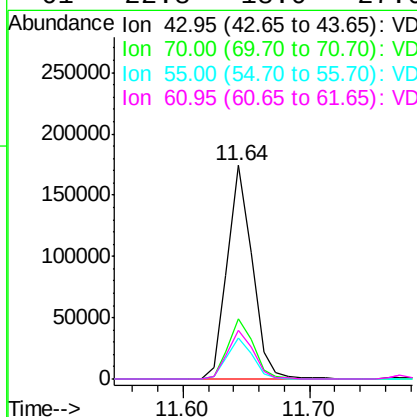
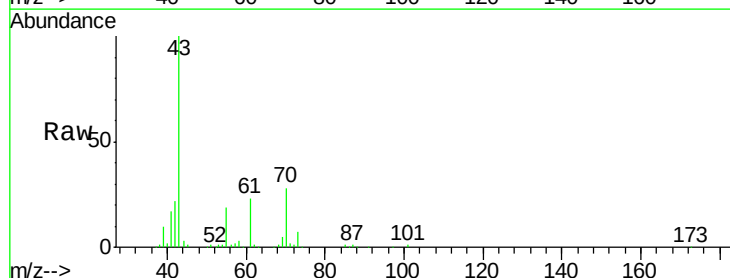
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

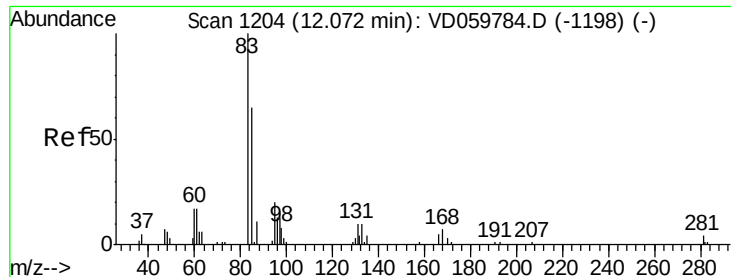
Tot Ion:105 Resp: 711598
Ion Ratio Lower Upper
105 100
120 21.5 10.9 32.6



#74
N-ethyl acetate
Concen: 76.46 ug/l
RT: 11.64 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 43 Resp: 237982
Ion Ratio Lower Upper
43 100
70 28.2 21.8 32.6
55 19.3 15.1 22.7
61 22.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 76.32 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

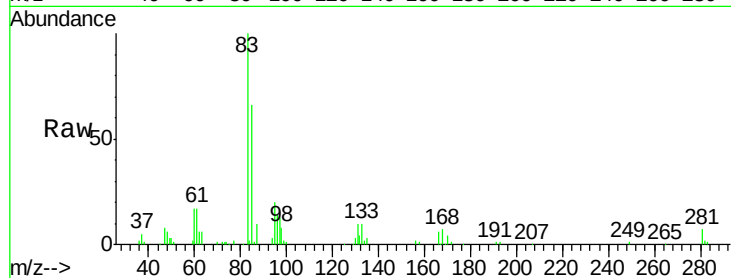
Tot Ion: 83 Resp: 152446

Ion Ratio Lower Upper

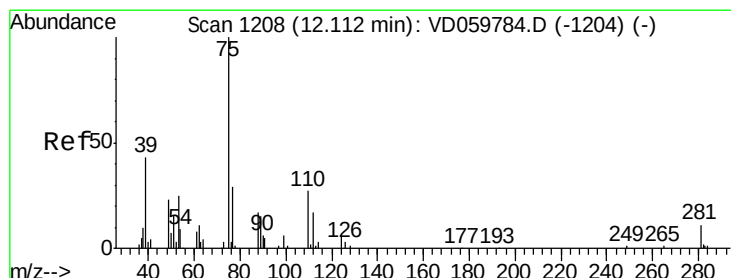
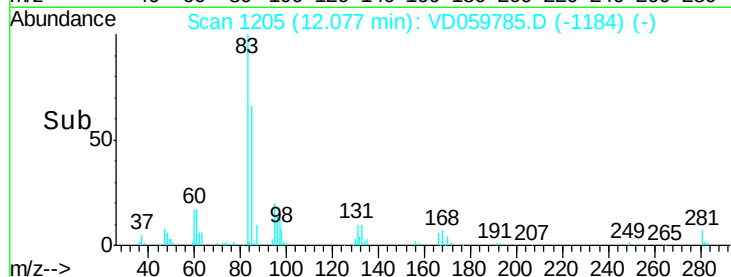
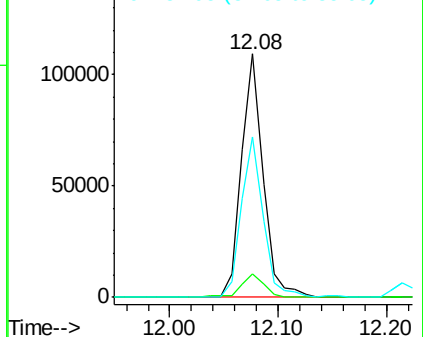
83 100

131 9.6 5.0 15.0

85 65.7 32.8 98.3



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



#76

1,2,3-Trichloropropane

Concen: 70.26 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059785.D

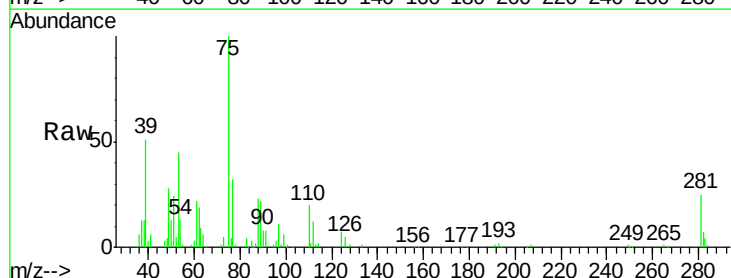
Acq: 15 Aug 2018 1:19

Tgt Ion: 75 Resp: 162713

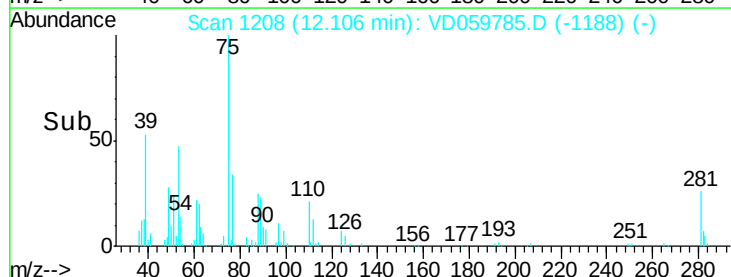
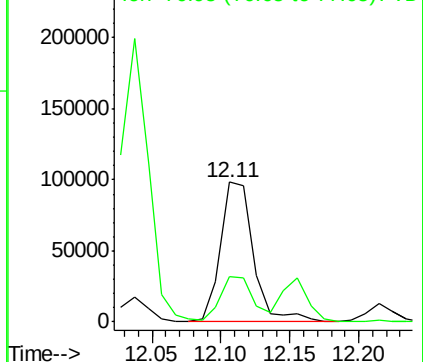
Ion Ratio Lower Upper

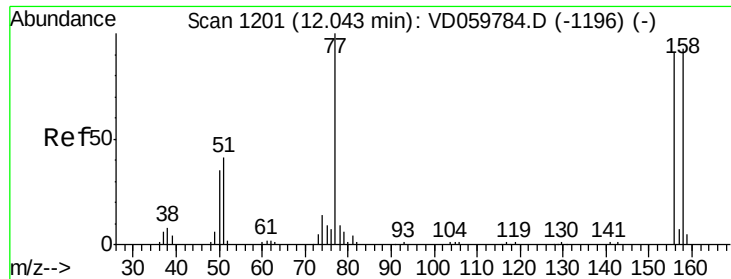
75 100

77 32.3 16.2 48.6



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





#77

Bromobenzene

Concen: 67.50 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

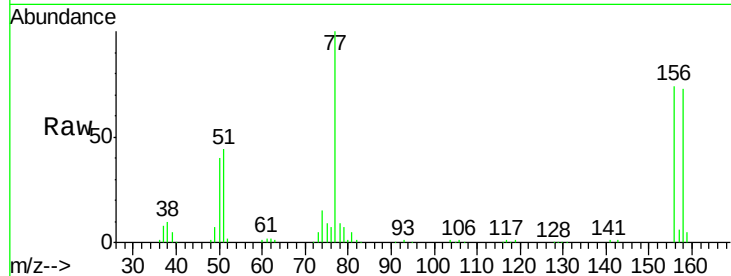
Tot Ion:156 Resp: 212758

Ion Ratio Lower Upper

156 100

77 134.7 54.9 164.8

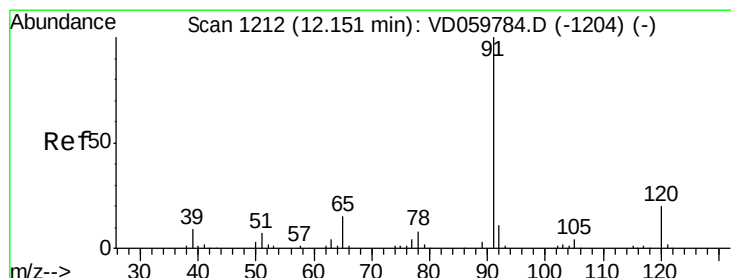
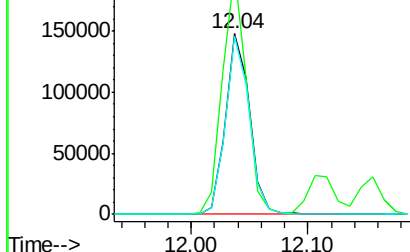
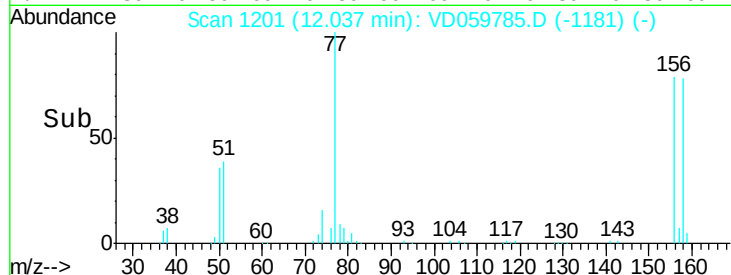
158 98.5 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60):

Ion 76.95 (76.65 to 77.65): VD

Ion 157.85 (157.55 to 158.55):



#78

n-propylbenzene

Concen: 69.24 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VD059785.D

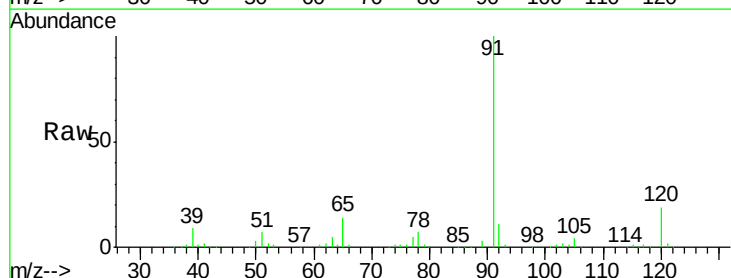
Acq: 15 Aug 2018 1:19

Tgt Ion: 91 Resp: 910376

Ion Ratio Lower Upper

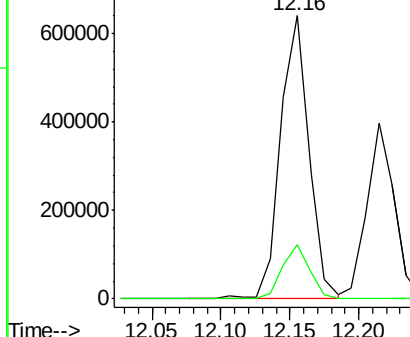
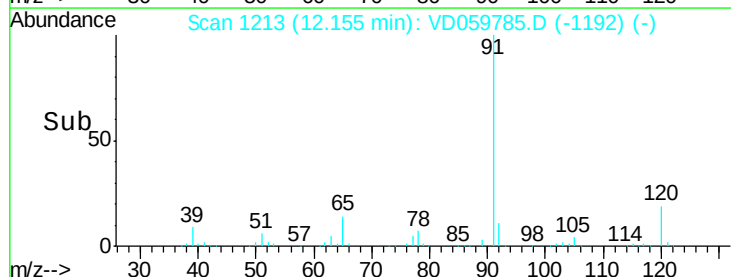
91 100

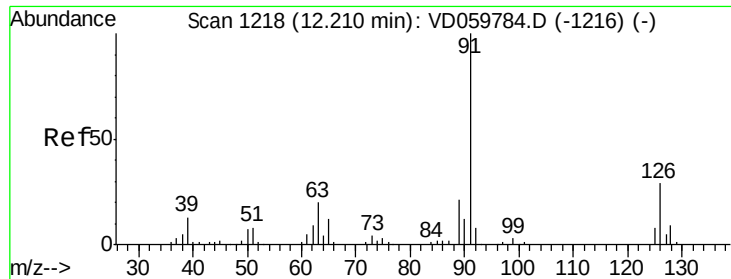
120 19.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):





#79

2-Chlorotoluene

Concen: 65.74 ug/l

RT: 12.21 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

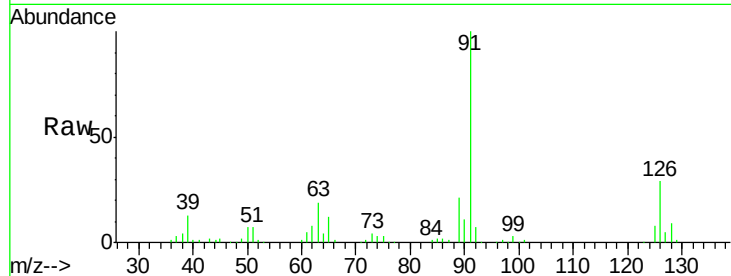
VSTDIC075

Tot Ion: 91 Resp: 545914

Ion Ratio Lower Upper

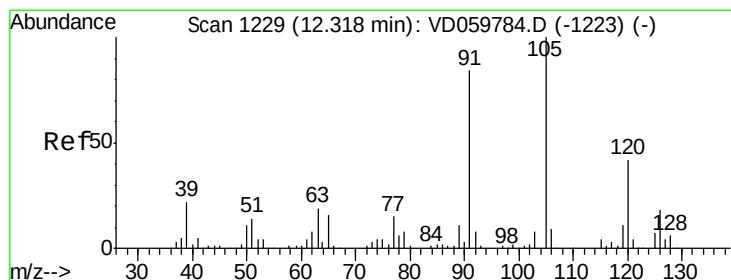
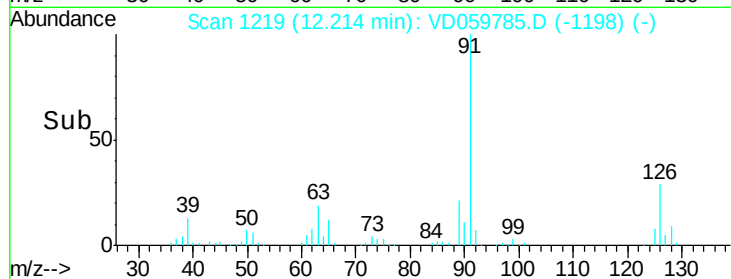
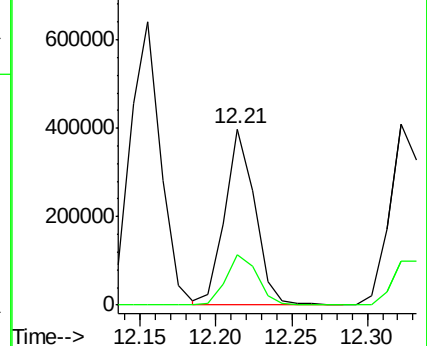
91 100

126 29.0 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.95 (125.65 to 126.65):



#80

1,3,5-Trimethylbenzene

Concen: 63.52 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059785.D

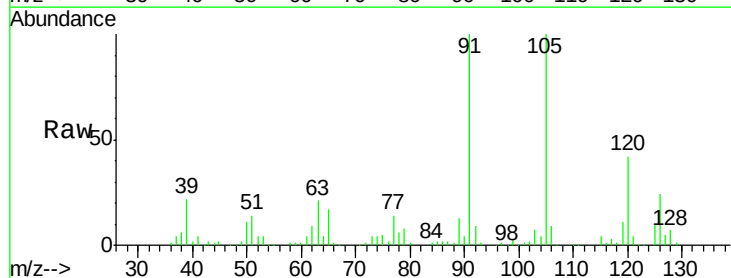
Acq: 15 Aug 2018 1:19

Tgt Ion:105 Resp: 587833

Ion Ratio Lower Upper

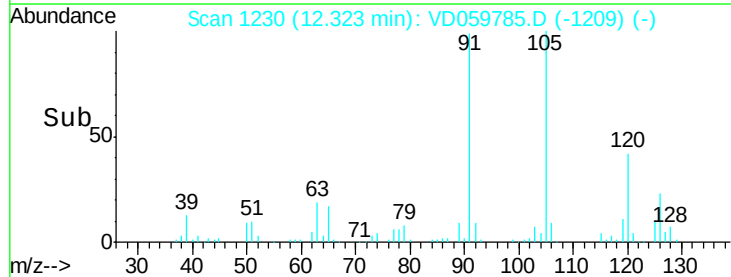
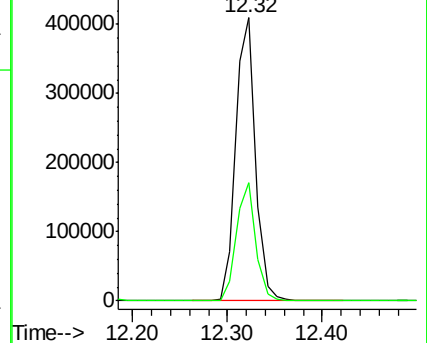
105 100

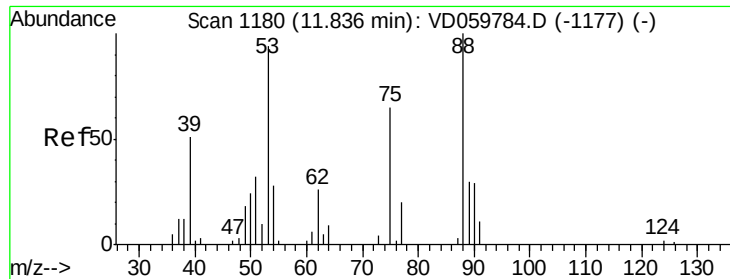
120 41.7 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75):

Ion 120.05 (119.75 to 120.75):





#81

trans-1,4-Dichloro-2-butene

Concen: 81.83 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

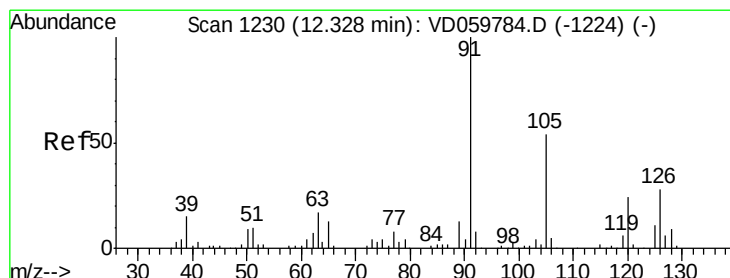
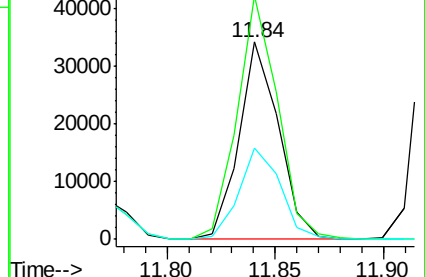
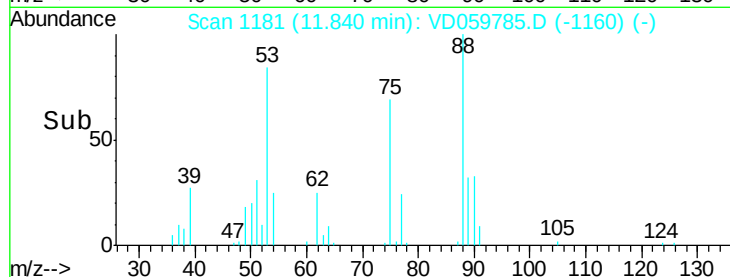
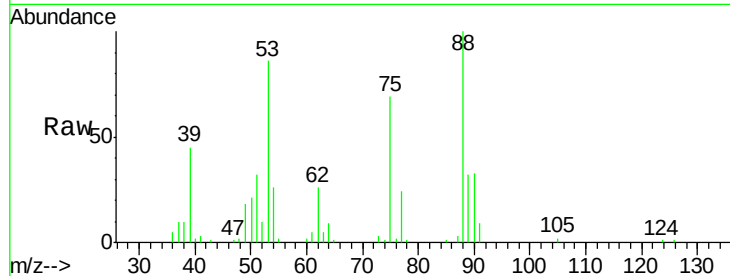
Tot Ion: 75 Resp: 43868

Ion Ratio Lower Upper

75 100

53 123.4 116.2 174.2

89 46.6 37.0 55.6



#82

4-Chlorotoluene

Concen: 61.97 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059785.D

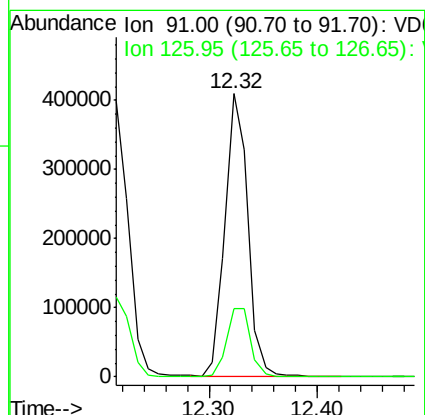
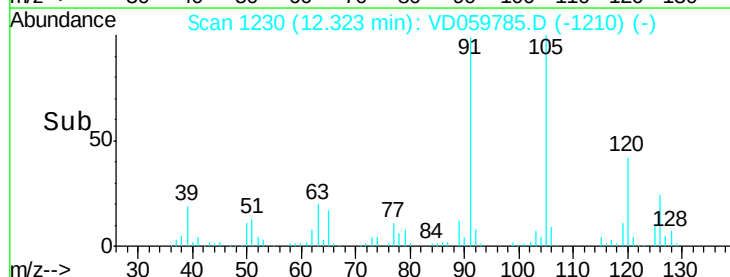
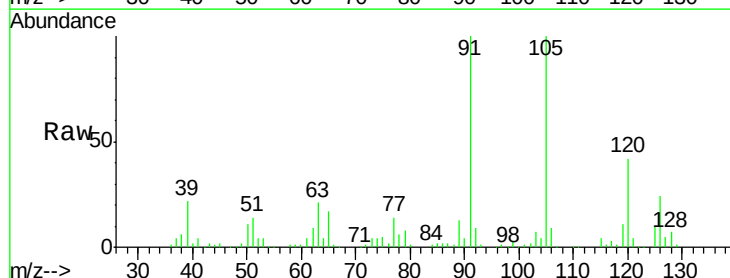
Acq: 15 Aug 2018 1:19

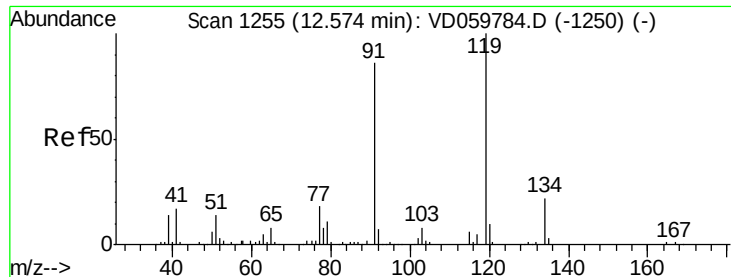
Tgt Ion: 91 Resp: 599949

Ion Ratio Lower Upper

91 100

126 24.3 13.9 41.7

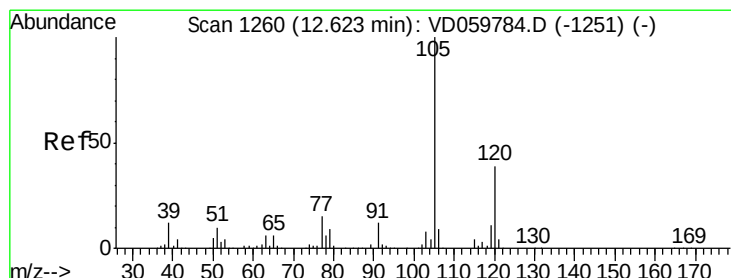
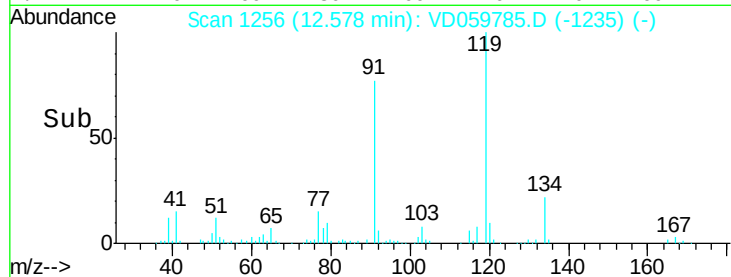
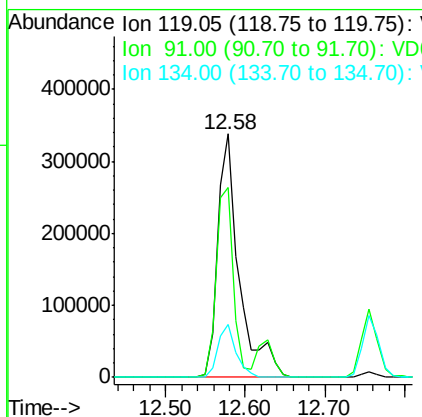
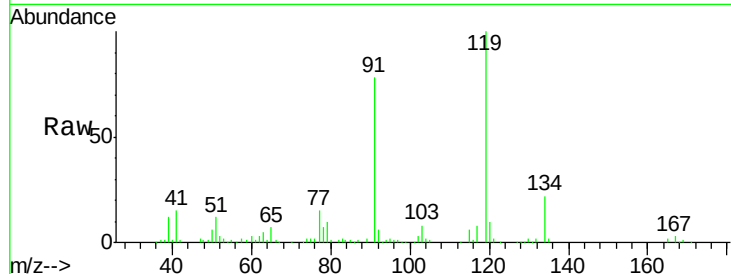




#83
 tert-Butylbenzene
 Concen: 63.45 ug/l
 RT: 12.58 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

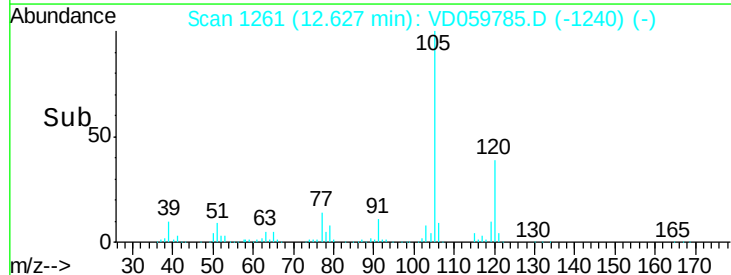
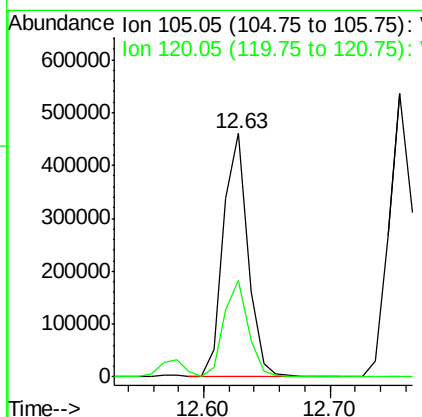
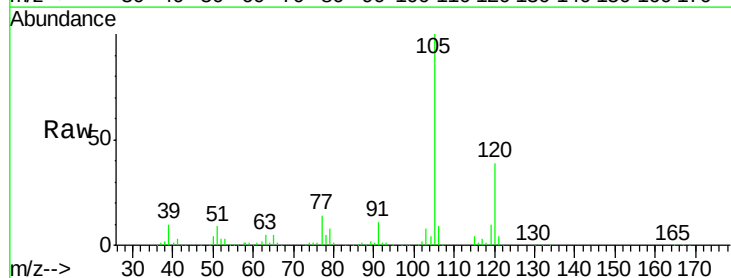
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

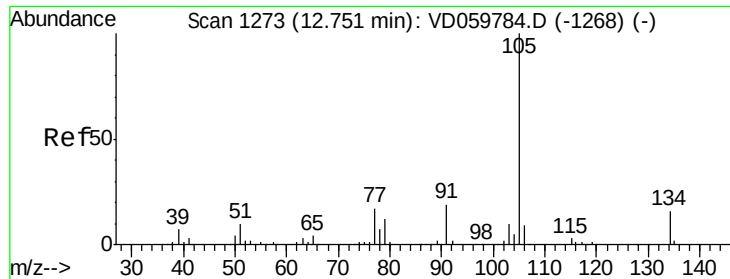
Tot Ion:119 Resp: 640845
 Ion Ratio Lower Upper
 119 100
 91 78.0 43.1 129.3
 134 21.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 64.47 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:105 Resp: 616440
 Ion Ratio Lower Upper
 105 100
 120 39.5 19.6 58.8

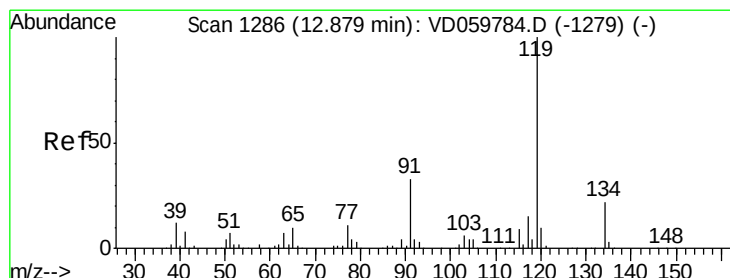
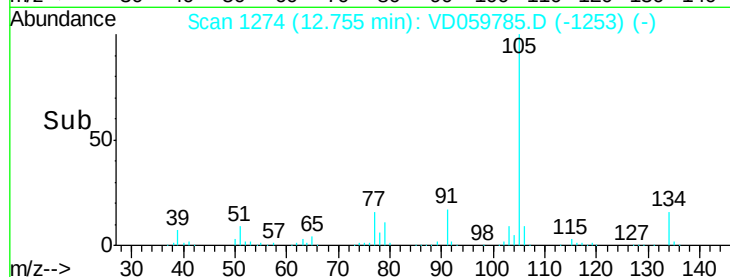
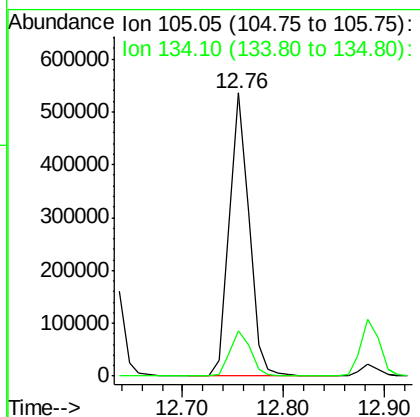
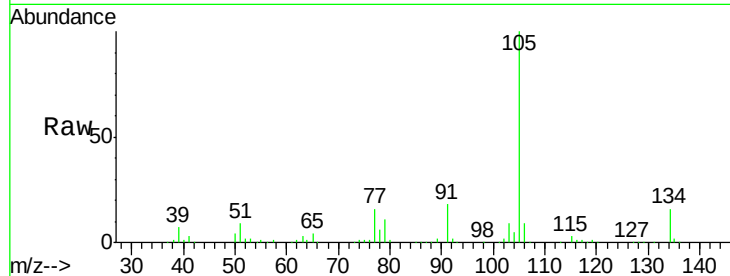




#85
 sec-Butylbenzene
 Concen: 66.85 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

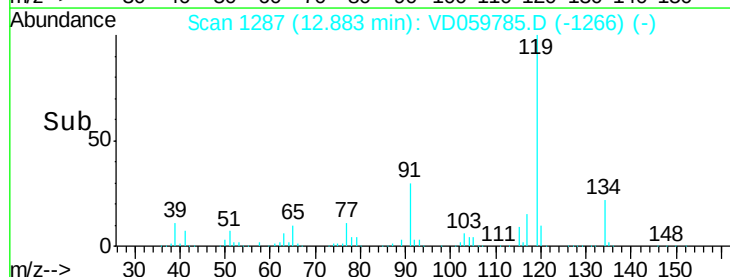
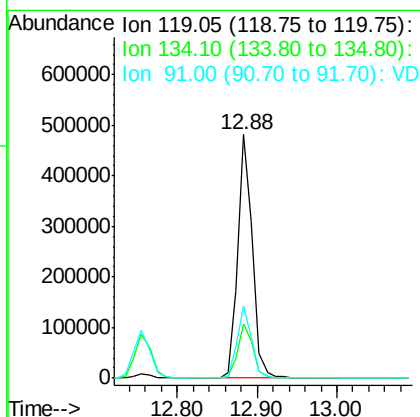
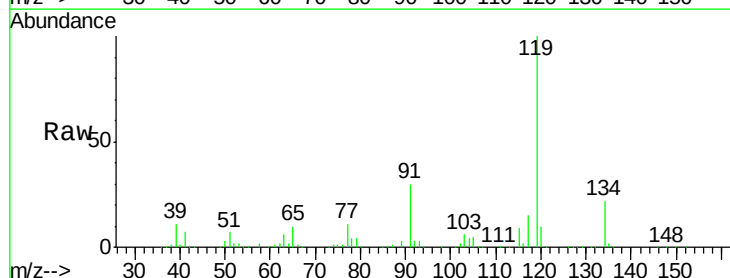
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC075

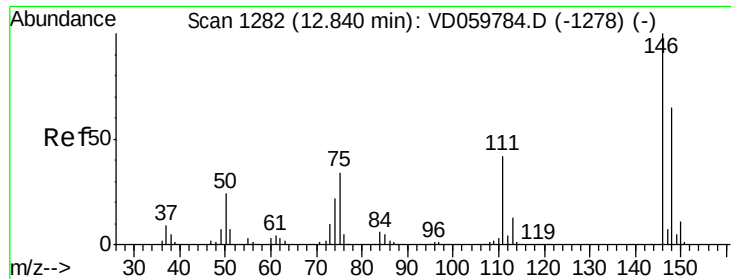
Tot Ion:105 Resp: 724961
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 64.09 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:119 Resp: 620924
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.9 32.6
 91 29.9 16.4 49.4

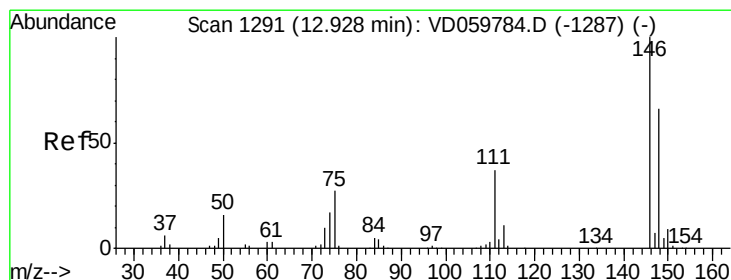
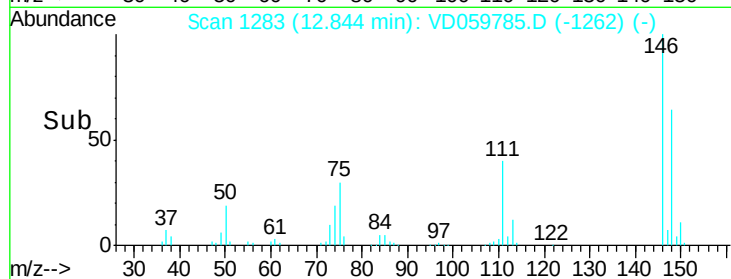
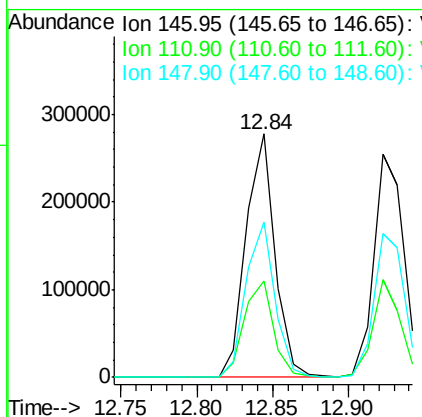
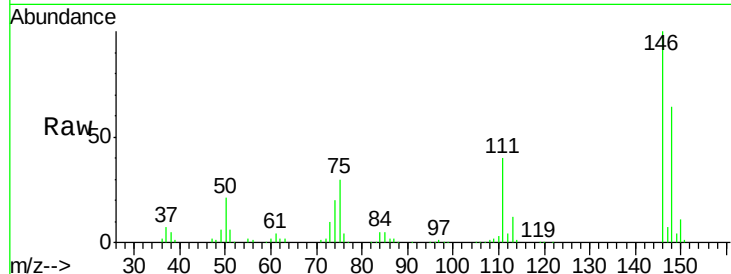




#87
 1,3-Dichlorobenzene
 Concen: 69.22 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

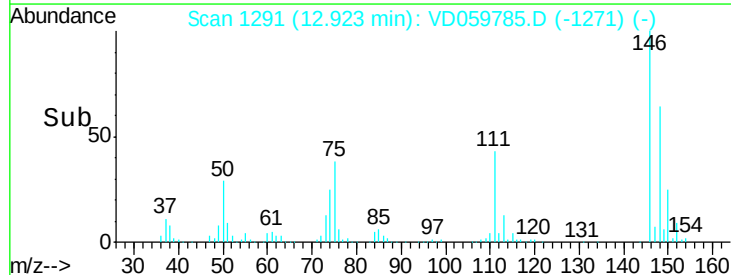
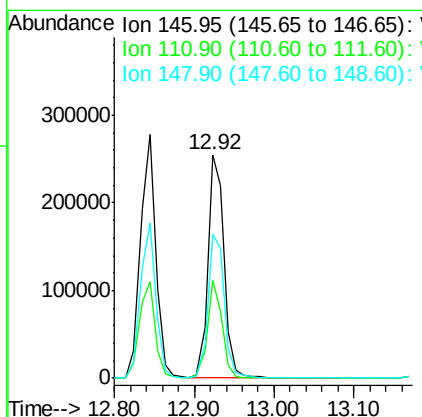
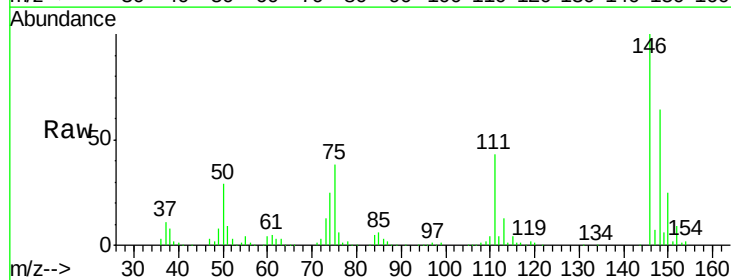
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

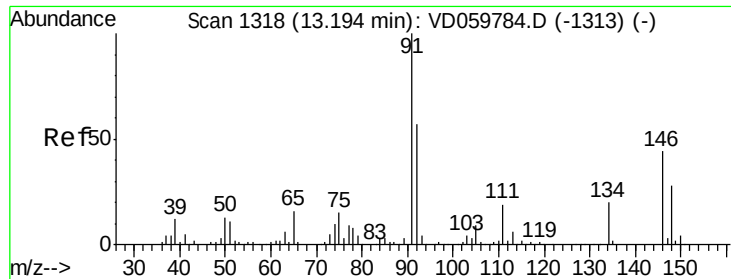
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.9	62.8
148	64.0	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 67.08 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.6	55.6
148	64.5	33.0	99.0

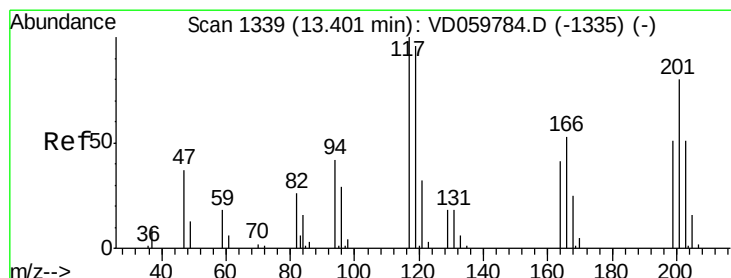
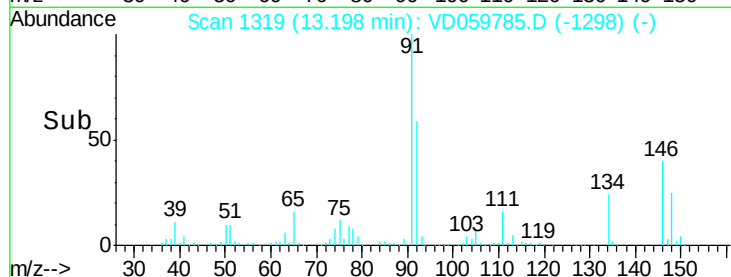
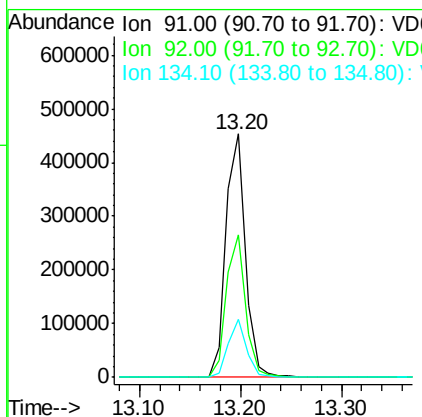
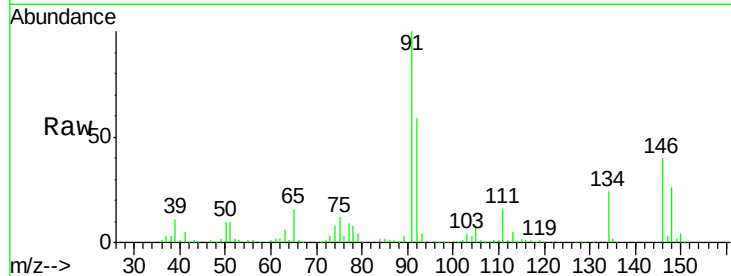




#89
n-Butylbenzene
Concen: 63.21 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

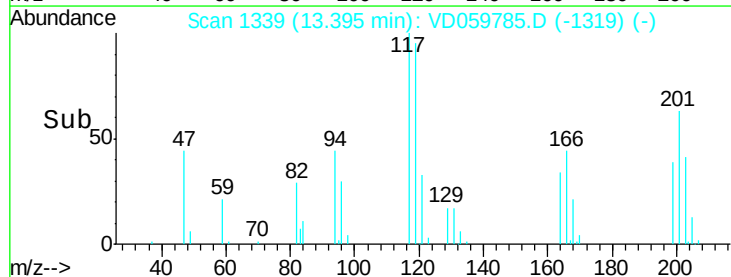
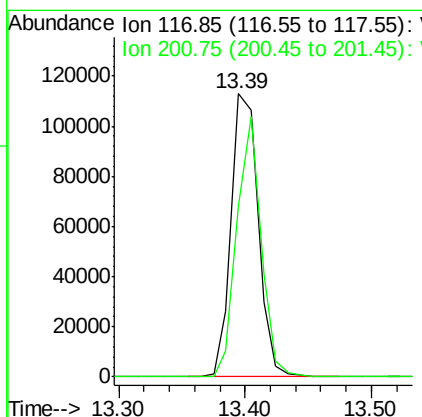
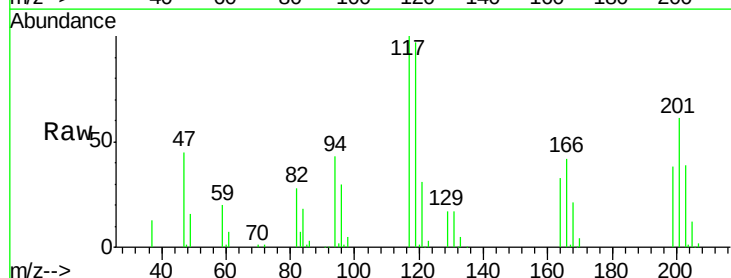
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

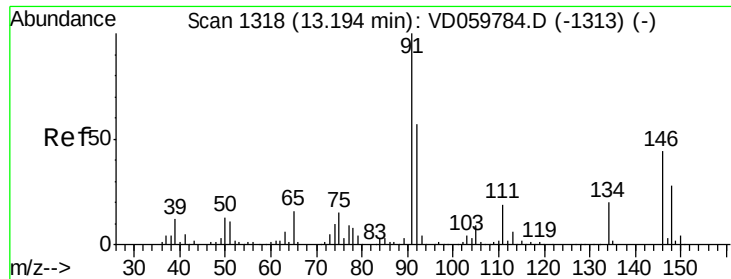
Tot Ion: 91 Resp: 611149
Ion Ratio Lower Upper
91 100
92 58.8 28.4 85.3
134 23.6 10.2 30.4



#90
Hexachloroethane
Concen: 67.15 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 117 Resp: 167019
Ion Ratio Lower Upper
117 100
201 60.5 39.9 119.7

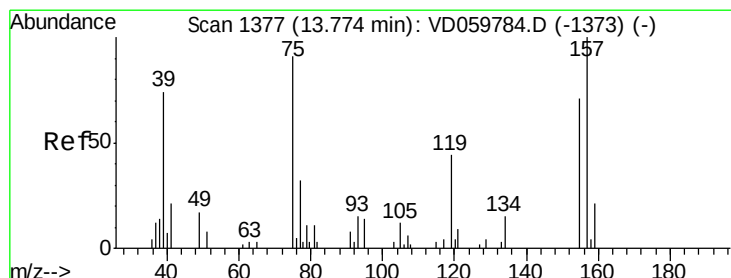
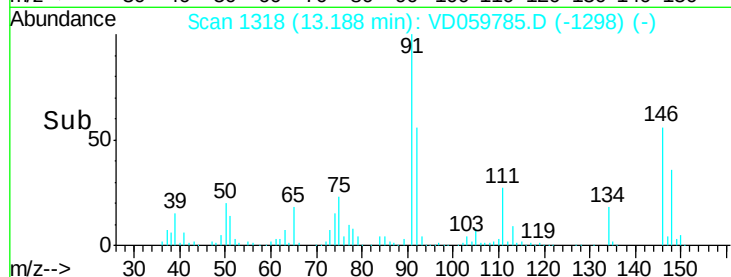
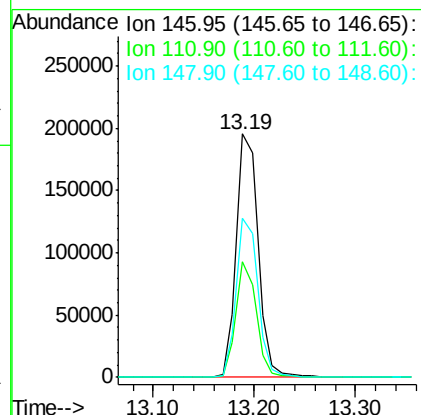
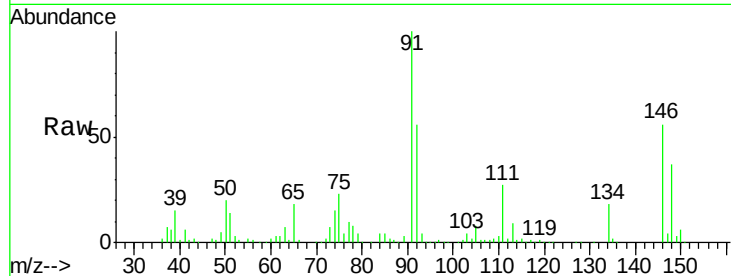




#91
 1,2-Dichlorobenzene
 Concen: 64.40 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

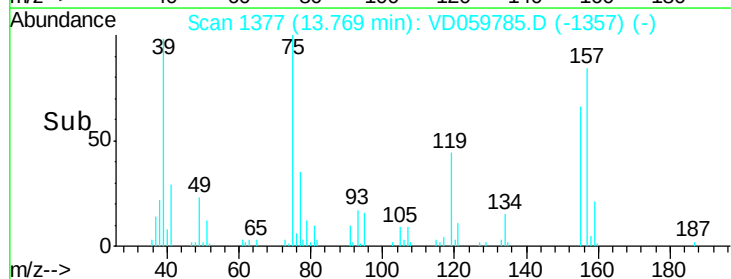
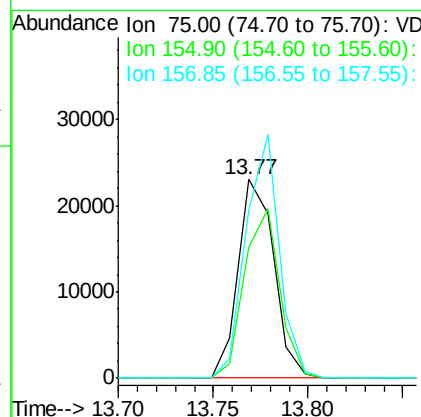
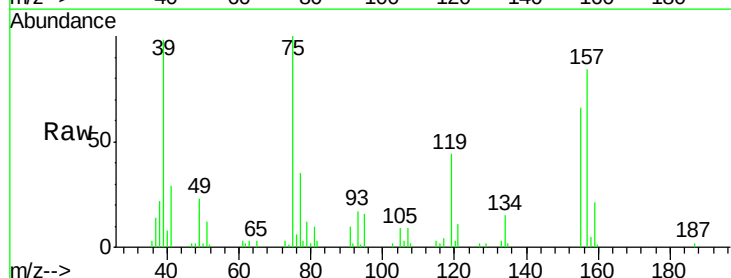
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

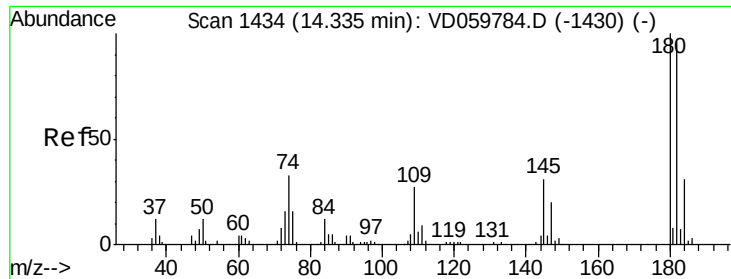
Tot Ion:146 Resp: 294143
 Ion Ratio Lower Upper
 146 100
 111 47.6 21.1 63.1
 148 65.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.37 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 75 Resp: 29981
 Ion Ratio Lower Upper
 75 100
 155 66.2 39.0 117.0
 157 84.5 54.8 164.3

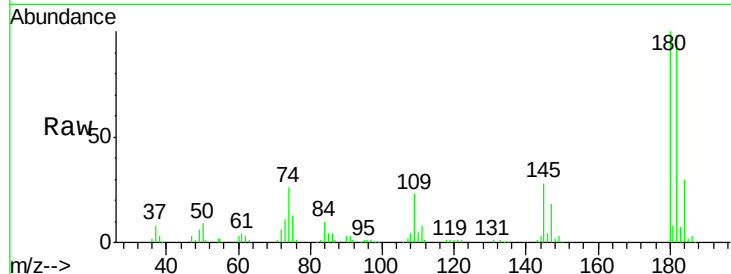




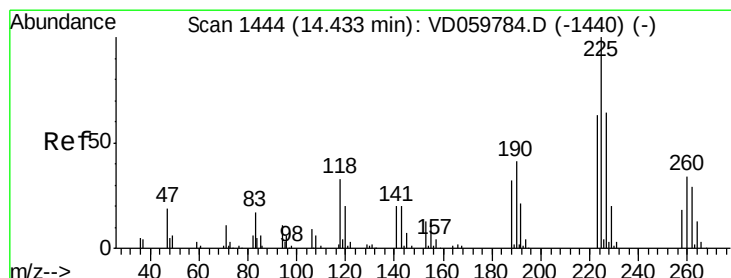
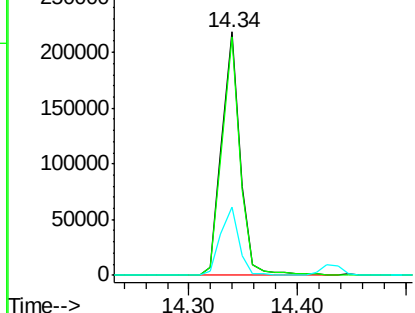
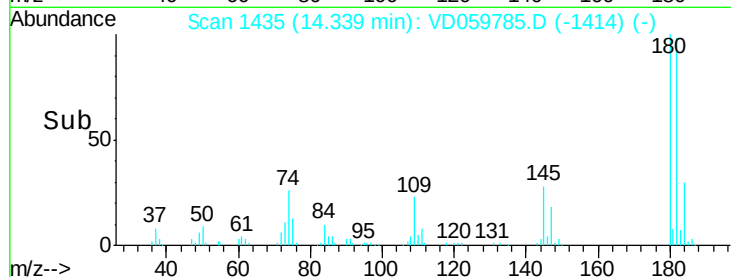
#93
 1,2,4-Trichlorobenzene
 Concen: 61.20 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 259722
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.0 144.0
 145 28.0 15.5 46.5

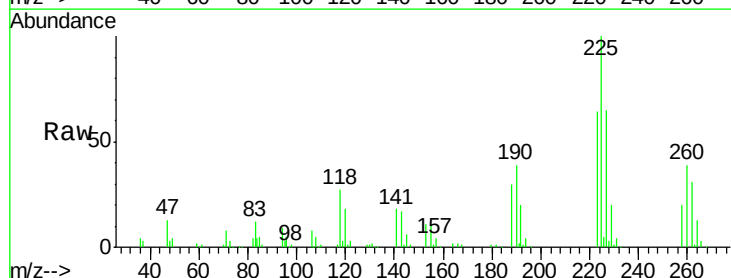


Abundance Ion 179.85 (179.55 to 180.55):
 Ion 181.85 (181.55 to 182.55):
 Ion 144.95 (144.65 to 145.65):

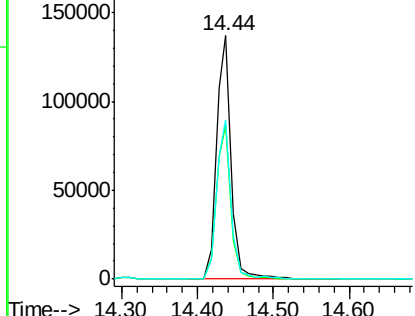
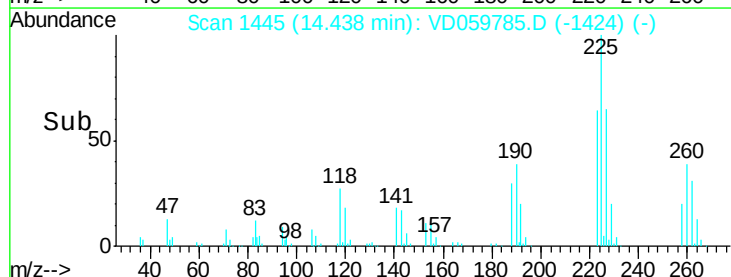


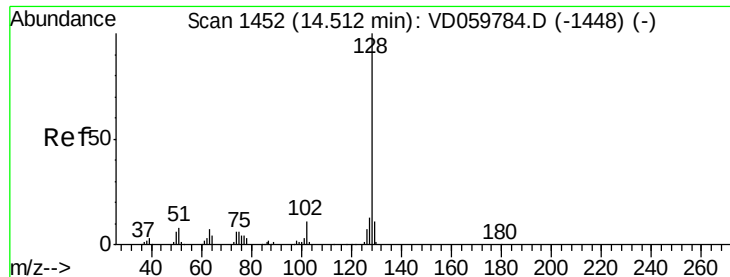
#94
 Hexachlorobutadiene
 Concen: 54.10 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:225 Resp: 188053
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 65.2 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45):
 Ion 222.75 (222.45 to 223.45):
 Ion 226.75 (226.45 to 227.45):





#95

Naphthalene

Concen: 69.77 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

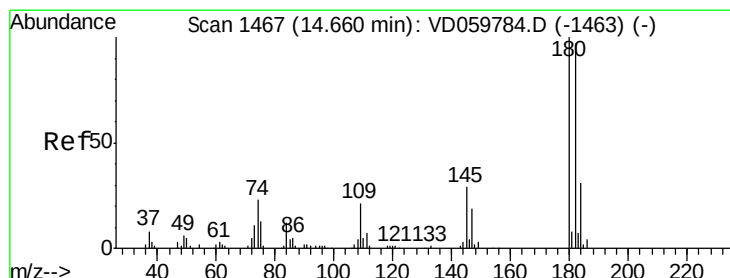
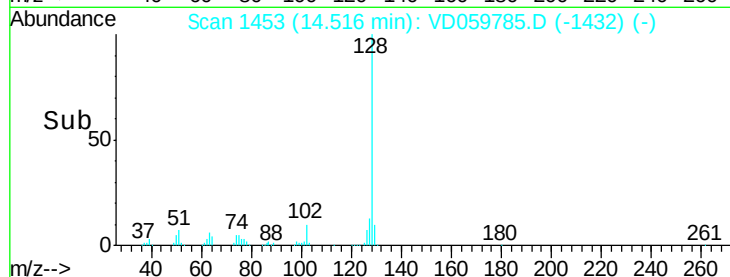
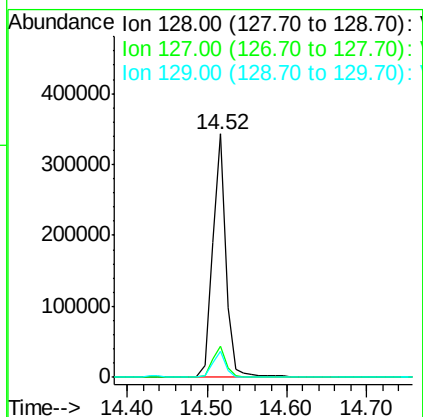
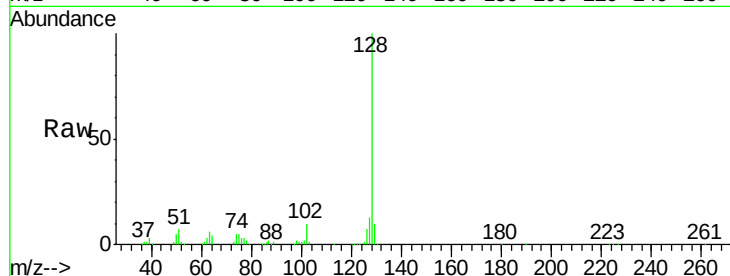
Tot Ion:128 Resp: 403977

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.5 9.1 13.7



#96

1,2,3-Trichlorobenzene

Concen: 60.77 ug/l

RT: 14.66 min Scan# 1468

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Tgt Ion:180 Resp: 220204

Ion Ratio Lower Upper

180 100

182 97.3 48.5 145.5

145 26.8 14.3 42.9

