

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059779.D
 Acq On : 14 Aug 2018 21:05
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 10:52:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	222837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	305500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	258290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	142998	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	156193	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	
35) Dibromofluoromethane	5.54	113	145921	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	8.70	98	328324	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.93	95	148982	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	54997	16.499	ug/l	92
3) Chloromethane	1.47	50	30401	24.067	ug/l	92
4) Vinyl Chloride	1.54	62	32798	20.563	ug/l #	89
5) Bromomethane	1.78	94	6139	9.165	ug/l	99
6) Chloroethane	1.86	64	10967	13.357	ug/l	88
7) Trichlorofluoromethane	2.06	101	48243	14.099	ug/l	95
8) Diethyl Ether	2.33	74	8754	15.835	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	2.54	101	29875	17.027	ug/l	92
10) Methyl Iodide	2.68	142	27167	15.150	ug/l #	85
11) Tert butyl alcohol	3.25	59	10583	87.554	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	20812	16.590	ug/l	91
13) Acrolein	2.46	56	7308	101.512	ug/l	99
14) Allyl chloride	2.91	41	51029	18.410	ug/l	96
15) Acrylonitrile	3.34	53	39362	131.730	ug/l	91
16) Acetone	2.60	43	44950	78.889	ug/l	95
17) Carbon Disulfide	2.74	76	65029	15.464	ug/l	99
18) Methyl Acetate	2.92	43	18402	17.006	ug/l	98
19) Methyl tert-butyl Ether	3.39	73	107552	21.909	ug/l	96
20) Methylene Chloride	3.06	84	27778	16.887	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	40952	25.751	ug/l	86
22) Diisopropyl ether	4.06	45	140245	26.753	ug/l #	80
23) Vinyl Acetate	4.00	43	425849	120.041	ug/l	98
24) 1,1-Dichloroethane	3.95	63	83910	21.673	ug/l	97
25) 2-Butanone	4.83	43	66732	108.965	ug/l	94
26) 2,2-Dichloropropane	4.79	77	76756	16.958	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	47475	24.676	ug/l	77
28) Bromochloromethane	5.13	49	34992	25.099	ug/l	85
29) Tetrahydrofuran	5.17	42	30993	135.347	ug/l	97
30) Chloroform	5.31	83	100864	19.721	ug/l	98
31) Cyclohexane	5.58	56	58008	25.809	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	89121	16.810	ug/l	96
36) 1,1-Dichloropropene	5.73	75	64414	18.166	ug/l	94
37) Ethyl Acetate	4.92	43	35808	22.961	ug/l #	88
38) Carbon Tetrachloride	5.71	117	77303	13.856	ug/l	98

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 10:52:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54246	20.647	ug/l	99
40) Benzene	6.01	78	132009	21.366	ug/l	97
41) Methacrylonitrile	5.11	41	16978	23.159	ug/l #	87
42) 1,2-Dichloroethane	6.12	62	74000	15.102	ug/l	100
43) Isopropyl Acetate	7.61	43	42250	21.504	ug/l #	88
44) Trichloroethene	6.97	130	47021	18.869	ug/l	94
45) 1,2-Dichloropropane	7.35	63	35702	22.685	ug/l	99
46) Dibromomethane	7.45	93	29748	17.797	ug/l	91
47) Bromodichloromethane	7.73	83	72626	16.445	ug/l #	97
48) Methyl methacrylate	7.50	41	26489	18.471	ug/l #	84
49) 1,4-Dioxane	7.48	88	4741	467.647	ug/l #	76
51) 4-Methyl-2-Pentanone	8.59	43	142425	94.041	ug/l	95
52) Toluene	8.79	92	91042	22.913	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61745	17.399	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	64347	18.891	ug/l	85
55) 1,1,2-Trichloroethane	9.45	97	32822	20.948	ug/l	95
56) Ethyl methacrylate	9.30	69	37898	21.225	ug/l #	74
57) 1,3-Dichloropropane	9.66	76	49783	19.086	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.18	63	99251	120.026	ug/l	95
59) 2-Hexanone	9.78	43	108206	95.476	ug/l	89
60) Dibromochloromethane	9.95	129	49790	16.471	ug/l	100
61) 1,2-Dibromoethane	10.09	107	36468	18.612	ug/l	97
64) Tetrachloroethene	9.51	164	44031	17.368	ug/l	96
65) Chlorobenzene	10.72	112	107907	20.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	46250	17.322	ug/l	93
67) Ethyl Benzene	10.86	91	201778	20.429	ug/l	91
68) m/p-Xylenes	11.00	106	129891	41.021	ug/l	85
69) o-Xylene	11.40	106	61888	20.100	ug/l	87
70) Styrene	11.43	104	103682	20.561	ug/l	93
71) Bromoform	11.59	173	32965	16.324	ug/l	98
73) Isopropylbenzene	11.77	105	183683	18.907	ug/l	97
74) N-amyl acetate	11.64	43	60526	21.732	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.08	83	39871	22.494	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	44828	21.192	ug/l	99
77) Bromobenzene	12.04	156	54172	19.093	ug/l	87
78) n-propylbenzene	12.15	91	240750	20.399	ug/l	98
79) 2-Chlorotoluene	12.21	91	146573	19.614	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	150599	17.893	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.84	75	10578	22.202	ug/l #	67
82) 4-Chlorotoluene	12.32	91	161056	18.282	ug/l	96
83) tert-Butylbenzene	12.57	119	172980	18.896	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	164565	18.948	ug/l	95
85) sec-Butylbenzene	12.76	105	177998	18.291	ug/l	96
86) p-Isopropyltoluene	12.88	119	162032	18.477	ug/l	91
87) 1,3-Dichlorobenzene	12.83	146	95633	19.908	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	94898	19.761	ug/l	98
89) n-Butylbenzene	13.19	91	170325	19.644	ug/l	97
90) Hexachloroethane	13.40	117	39746	17.470	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	82167	20.133	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7101	16.081	ug/l	91

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Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

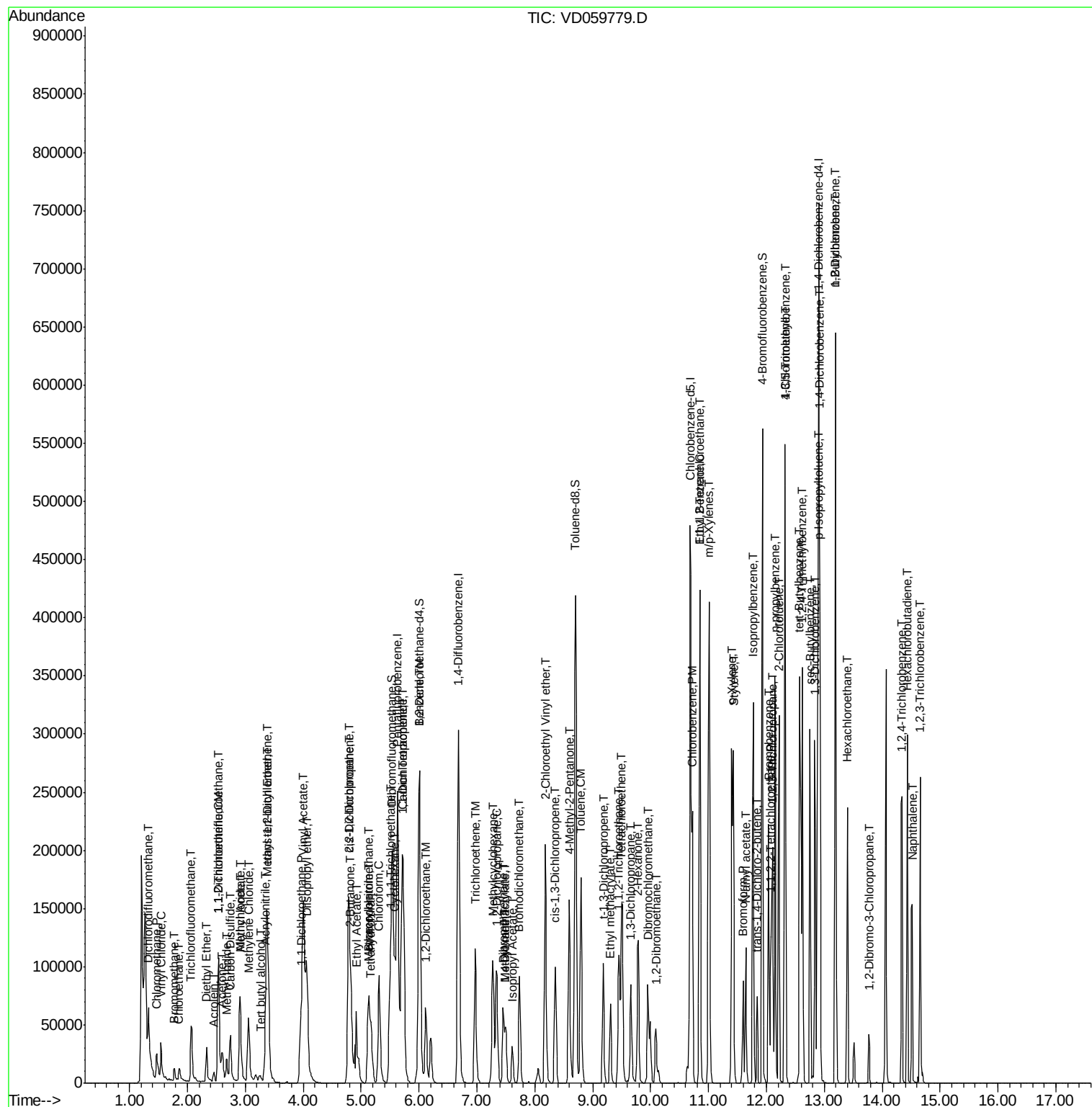
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	66785	17.236	ug/l	94
94) Hexachlorobutadiene	14.43	225	49684	15.300	ug/l	99
95) Naphthalene	14.52	128	102313	19.610	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	59736	18.033	ug/l	97

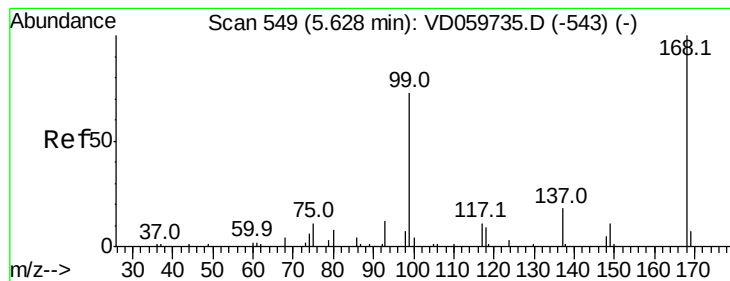
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081418\
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

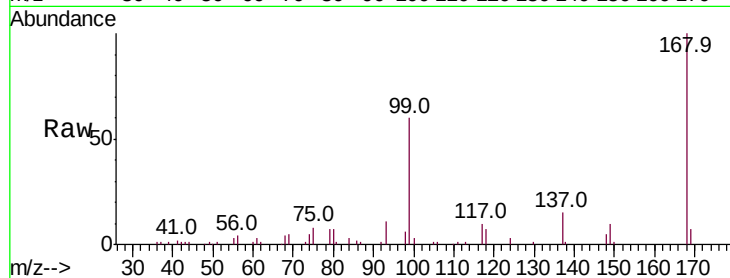
ClientSampleId :

Tot Ion:168 Resp: 222837

Ion Ratio Lower Upper

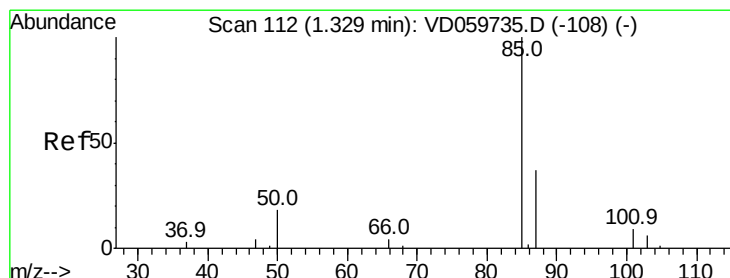
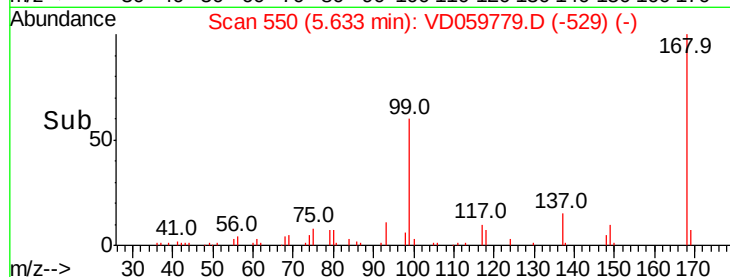
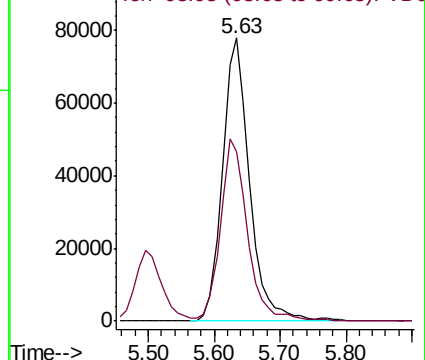
168 100

99 59.9 61.4 92.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.499 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059779.D

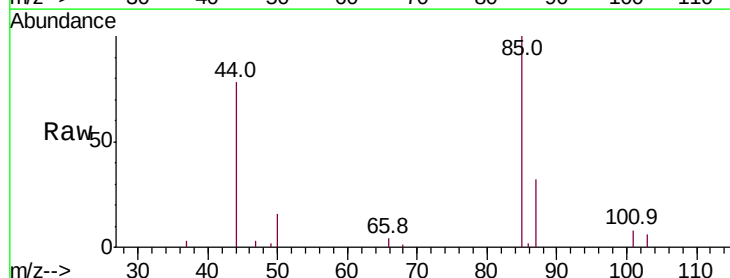
Acq: 14 Aug 2018 21:05

Tgt Ion: 85 Resp: 54997

Ion Ratio Lower Upper

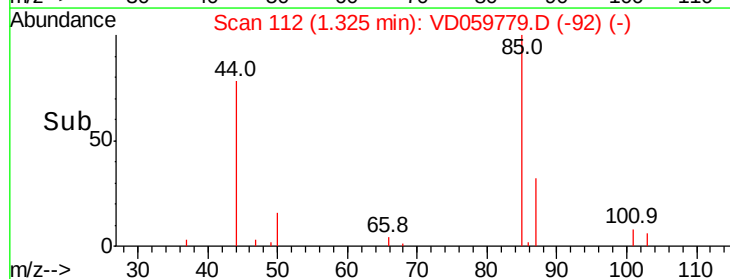
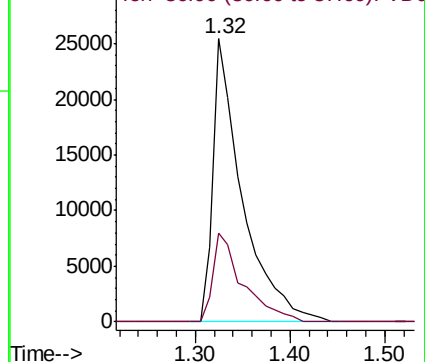
85 100

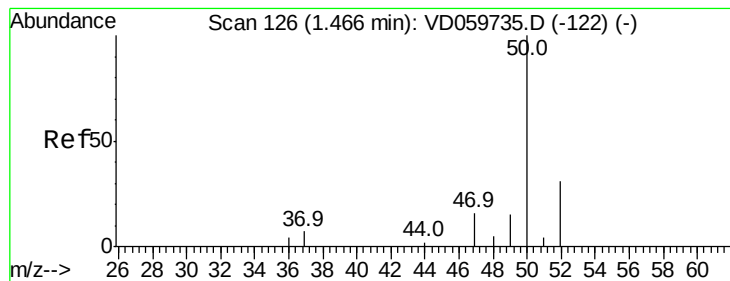
87 31.5 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.067 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

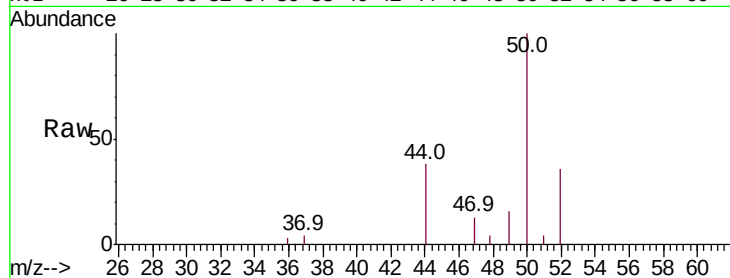
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 30401

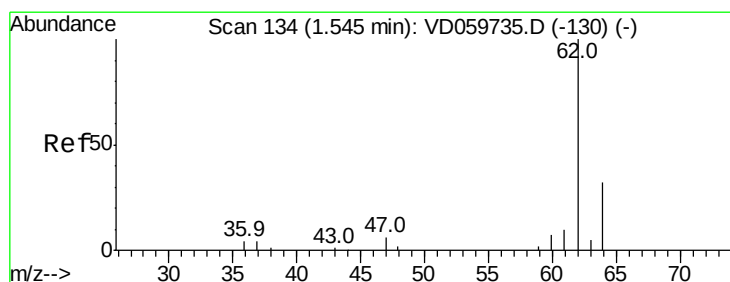
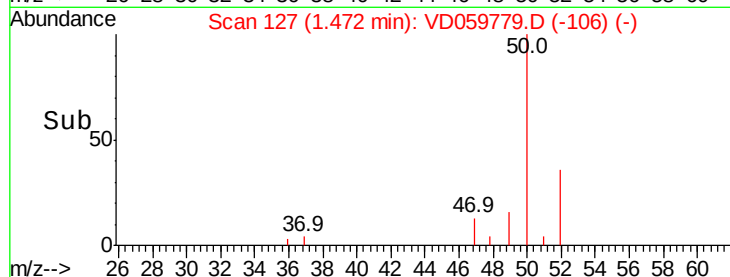
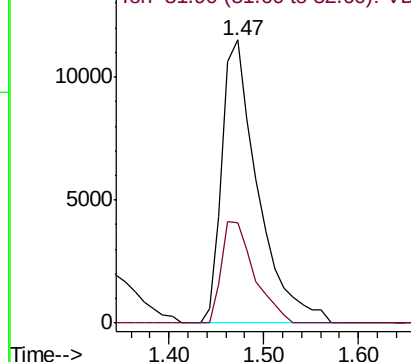
Ion Ratio Lower Upper

50 100

52 35.6 24.8 37.2



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.563 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059779.D

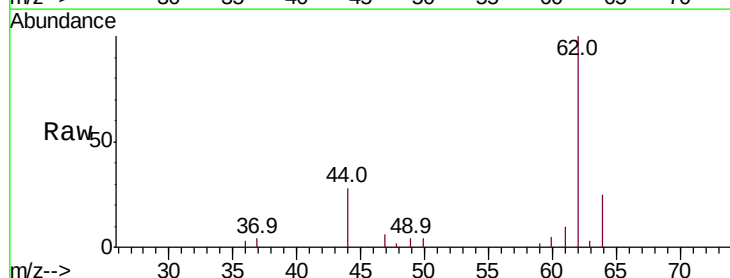
Acq: 14 Aug 2018 21:05

Tgt Ion: 62 Resp: 32798

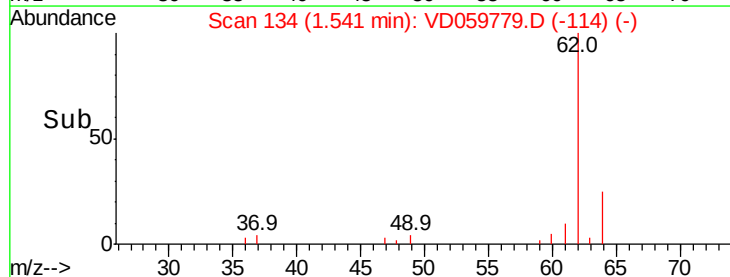
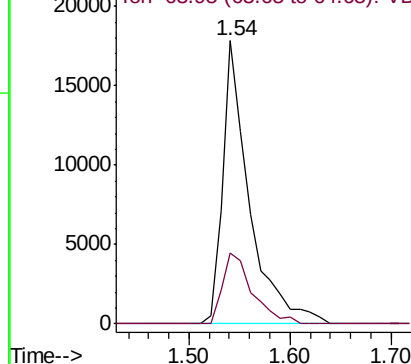
Ion Ratio Lower Upper

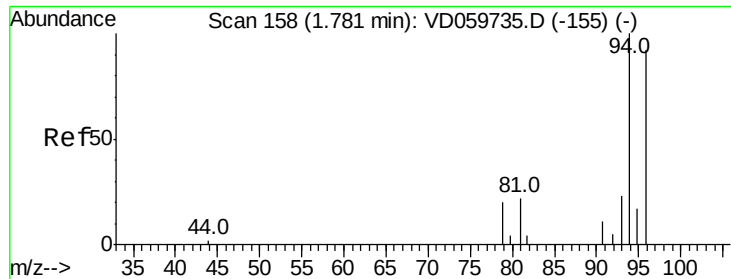
62 100

64 25.3 25.3 37.9#



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC

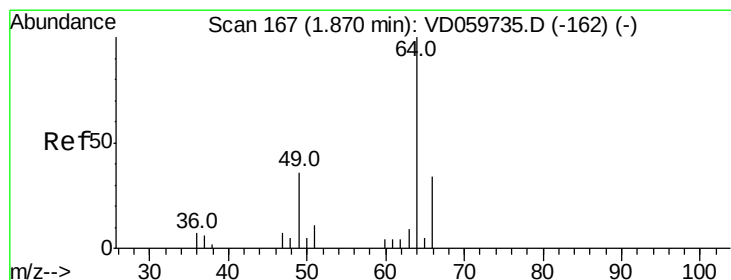
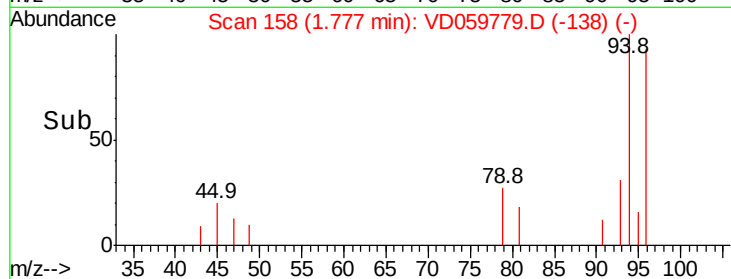
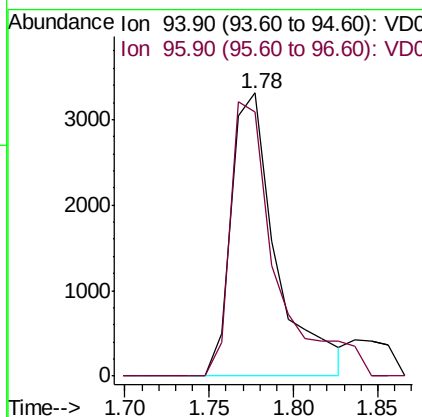
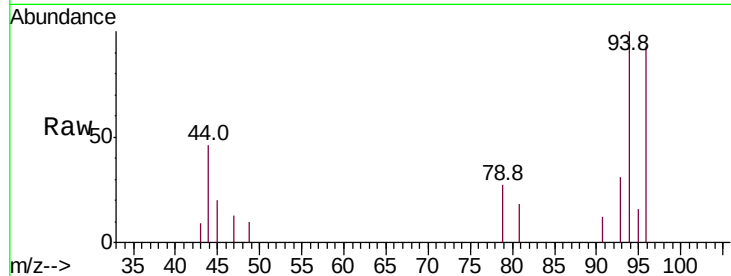




#5
Bromomethane
Concen: 9.165 ug/l
RT: 1.78 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

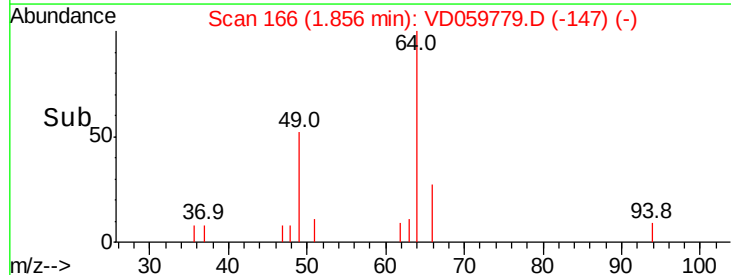
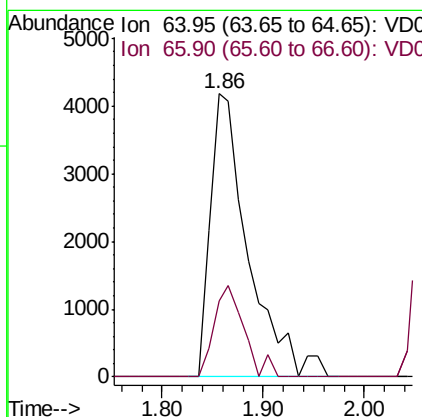
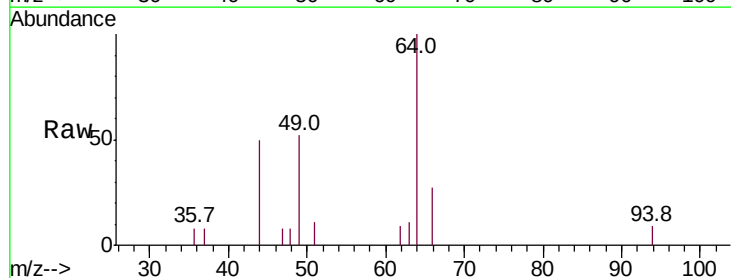
Instrument :
MSVOA_D
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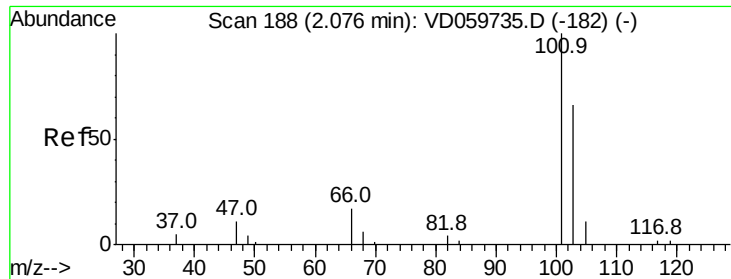
Tot Ion: 94 Resp: 6139
Ion Ratio Lower Upper
94 100
96 93.2 73.4 110.2



#6
Chloroethane
Concen: 13.357 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 64 Resp: 10967
Ion Ratio Lower Upper
64 100
66 27.0 26.9 40.3



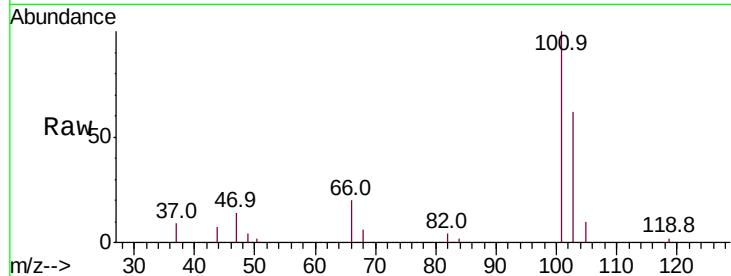


#7

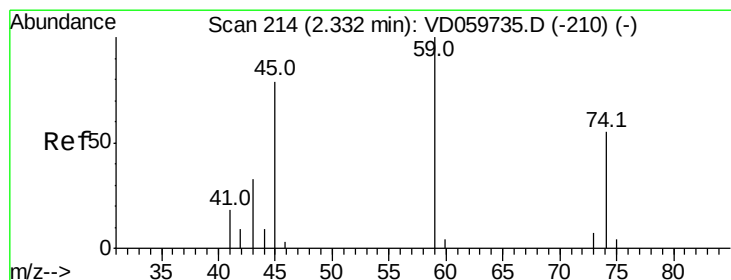
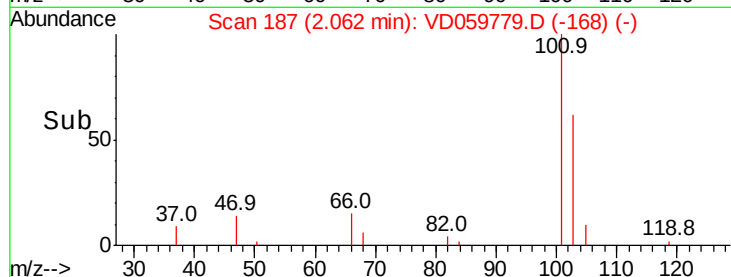
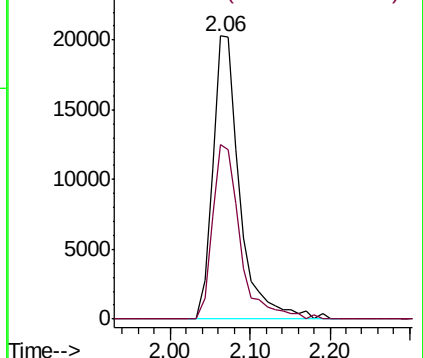
Trichlorofluoromethane
 Concen: 14.099 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 48243
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.4 78.6



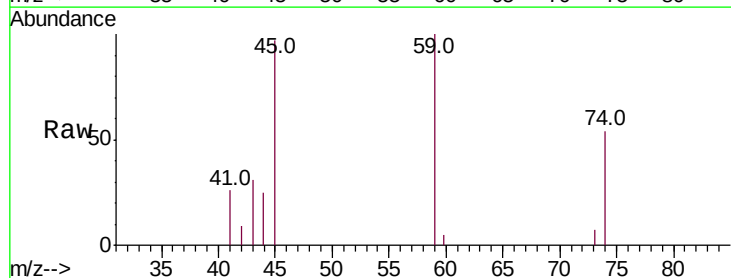
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



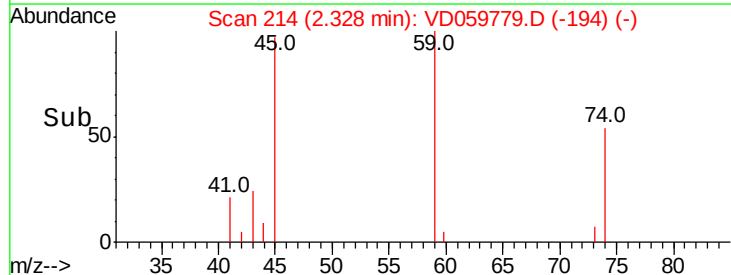
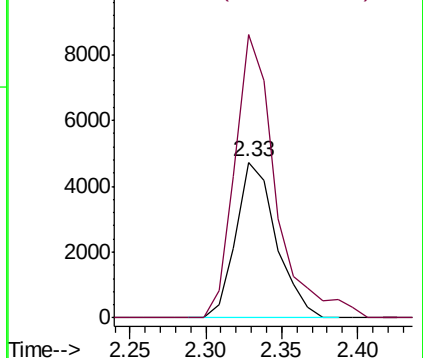
#8

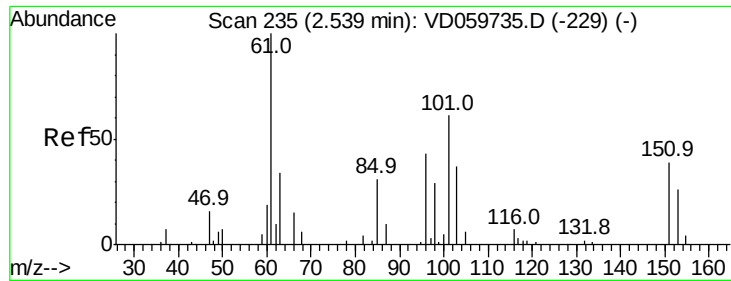
Diethyl Ether
 Concen: 15.835 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion: 74 Resp: 8754
 Ion Ratio Lower Upper
 74 100
 45 181.9 71.1 213.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.027 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

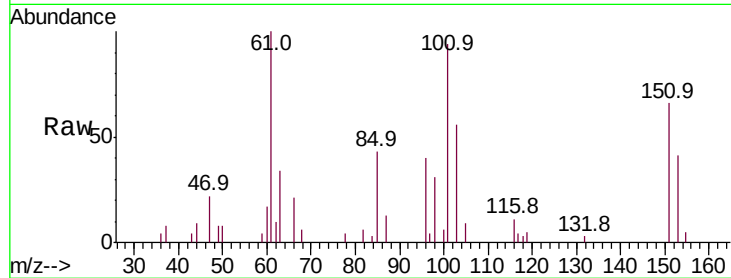
Tot Ion:101 Resp: 29875

Ion Ratio Lower Upper

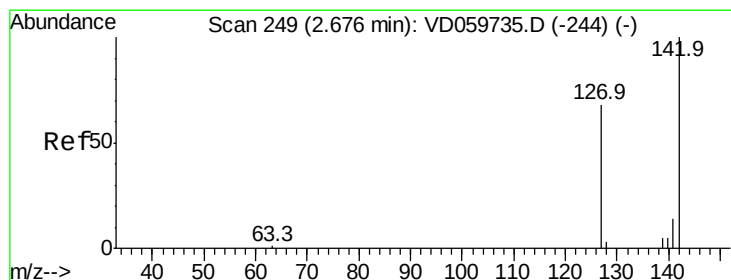
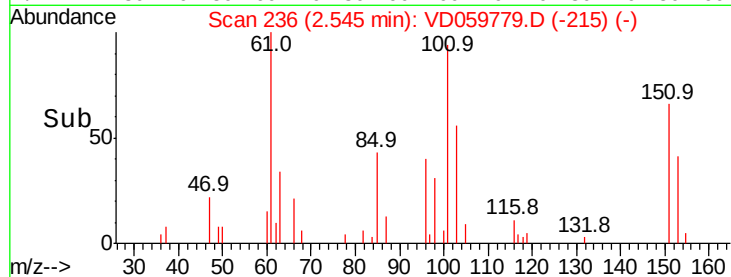
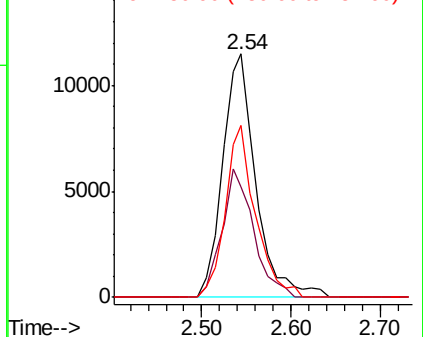
101 100

85 45.5 39.7 59.5

151 70.8 50.8 76.2



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.150 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

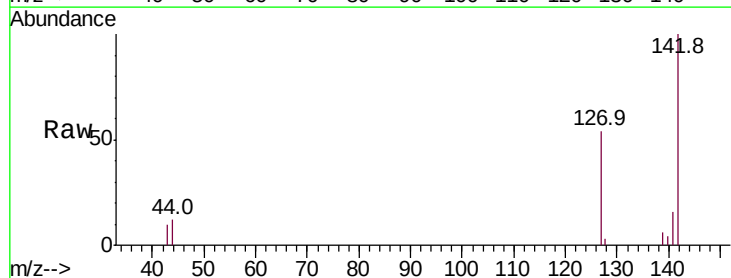
Tgt Ion:142 Resp: 27167

Ion Ratio Lower Upper

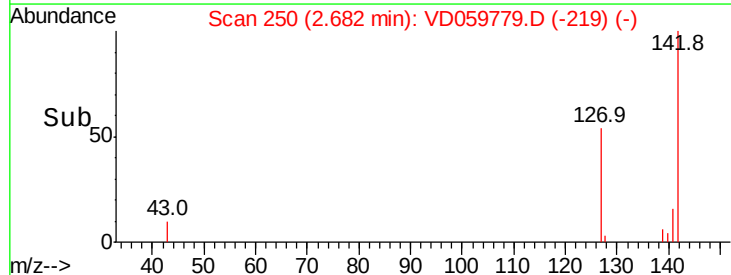
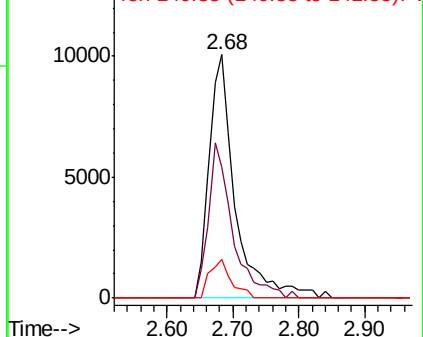
142 100

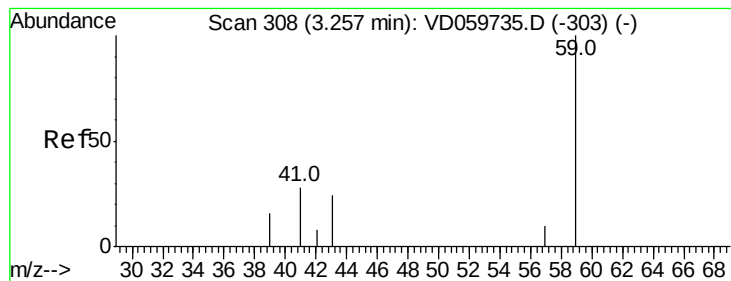
127 53.9 54.0 81.0#

141 16.2 11.0 16.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



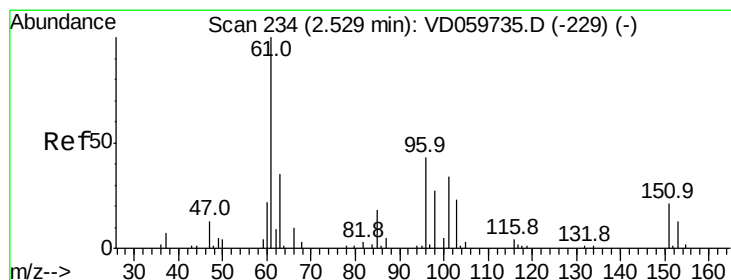
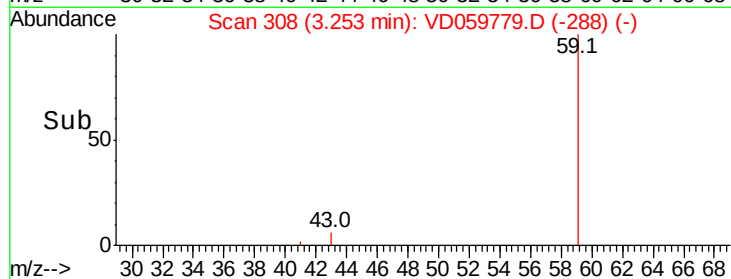
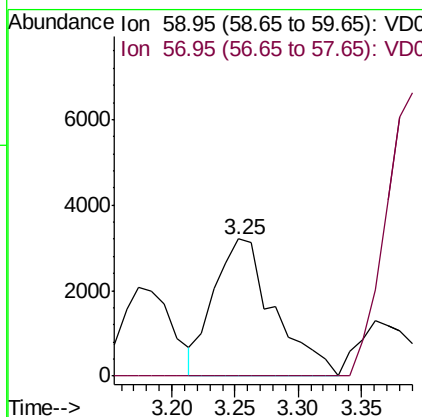
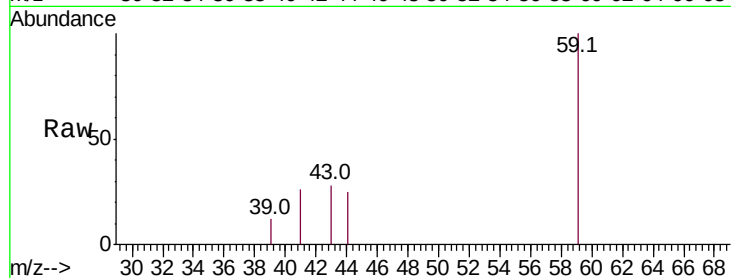


#11

Tert butyl alcohol
Concen: 87.554 ug/l
RT: 3.25 min Scan# 308
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

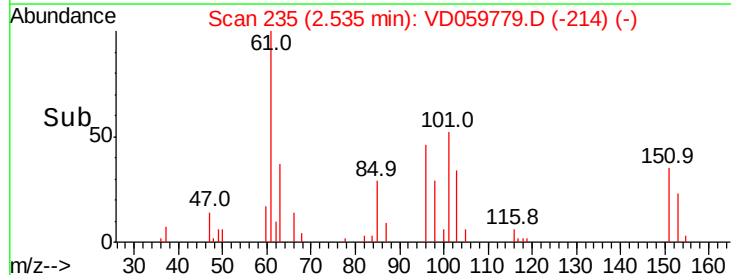
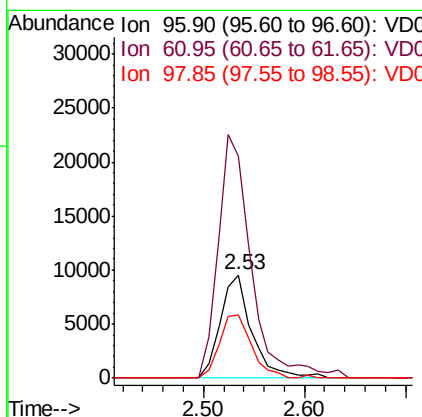
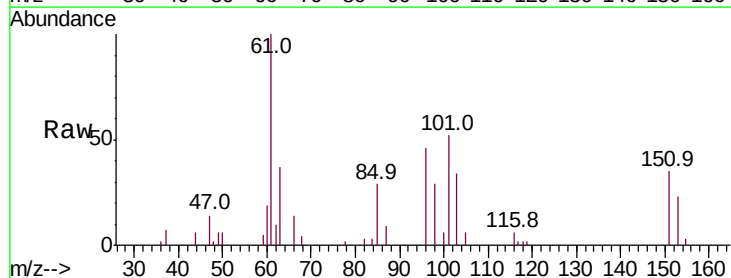
Tot Ion: 59 Resp: 10583
Ion Ratio Lower Upper
59 100
57 0.0 7.3 10.9#

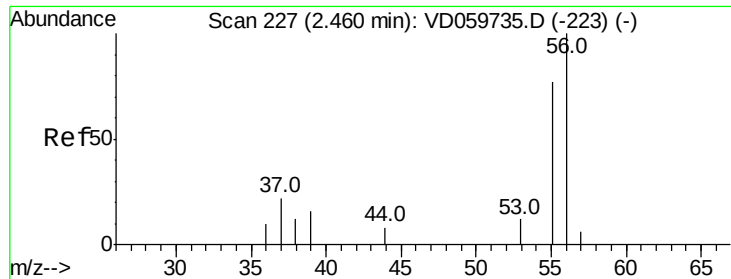


#12

1,1-Dichloroethene
Concen: 16.590 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 96 Resp: 20812
Ion Ratio Lower Upper
96 100
61 215.2 187.2 280.8
98 61.7 50.4 75.6





#13

Acrolein

Concen: 101.512 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

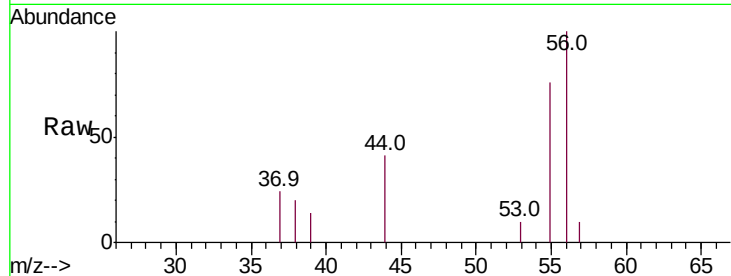
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7308

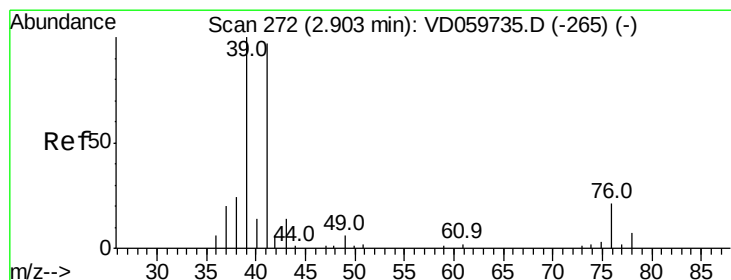
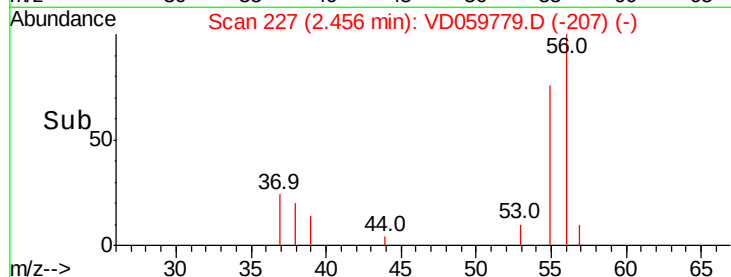
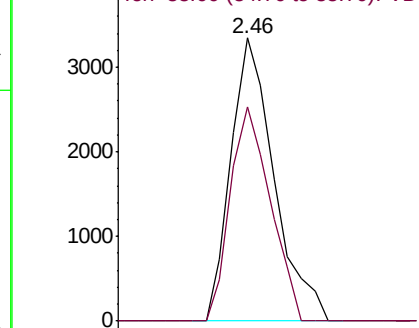
Ion Ratio Lower Upper

56 100

55 75.9 61.4 92.2



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



#14

Allyl chloride

Concen: 18.410 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

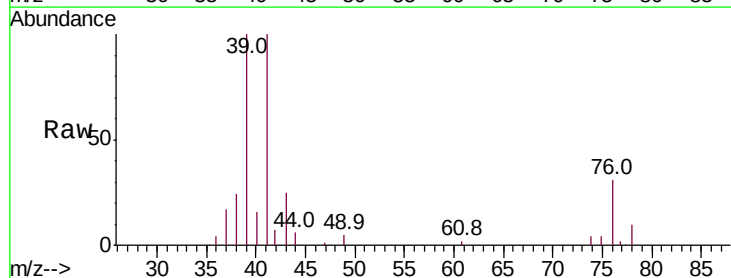
Tgt Ion: 41 Resp: 51029

Ion Ratio Lower Upper

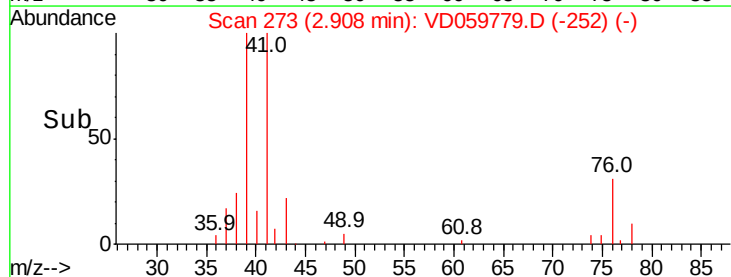
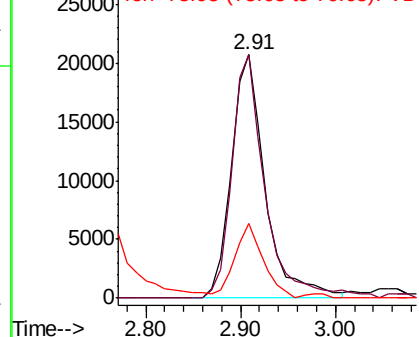
41 100

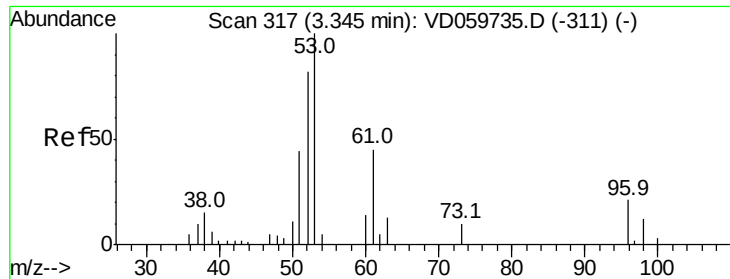
39 100.1 82.9 124.3

76 30.7 22.2 33.2



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





#15

Acrylonitrile

Concen: 131.730 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

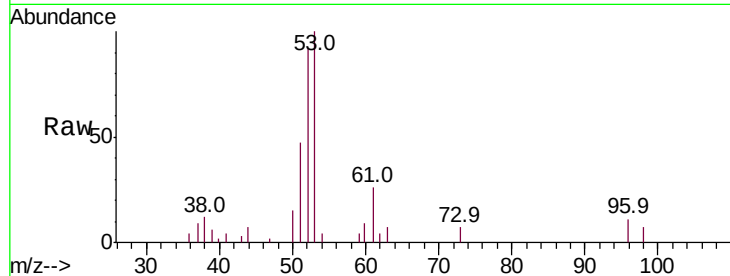
Tot Ion: 53 Resp: 39362

Ion Ratio Lower Upper

53 100

52 91.8 65.8 98.6

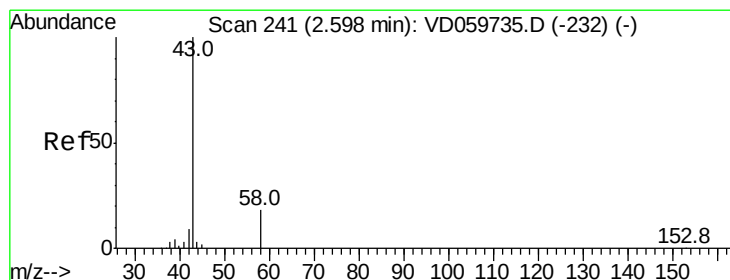
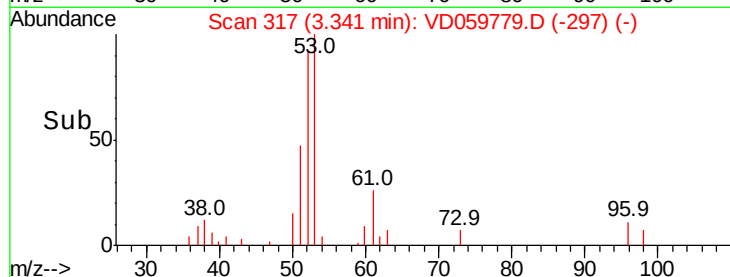
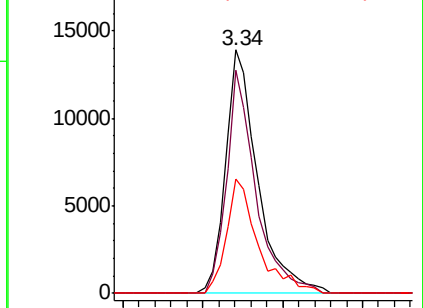
51 46.8 35.1 52.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 78.889 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059779.D

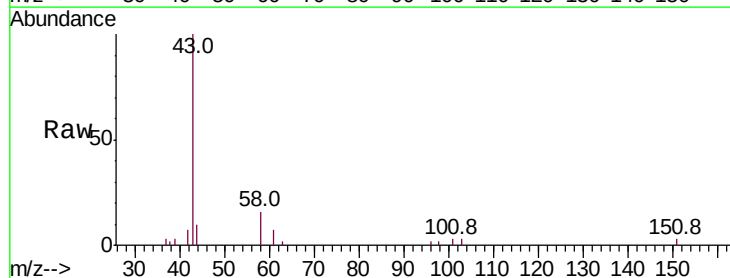
Acq: 14 Aug 2018 21:05

Tgt Ion: 43 Resp: 44950

Ion Ratio Lower Upper

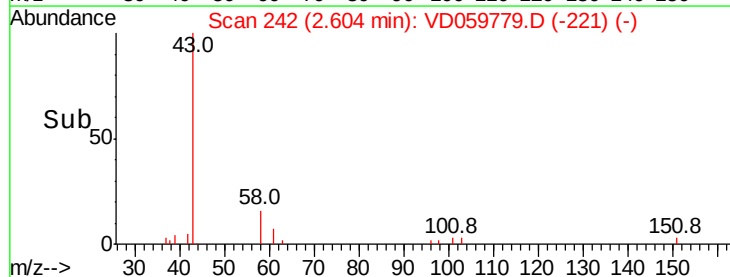
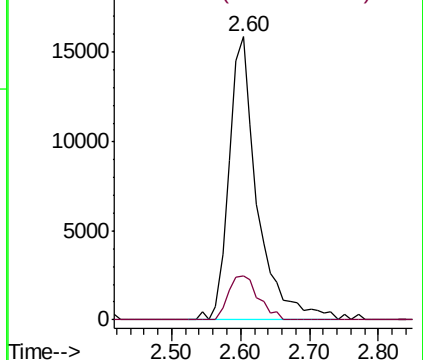
43 100

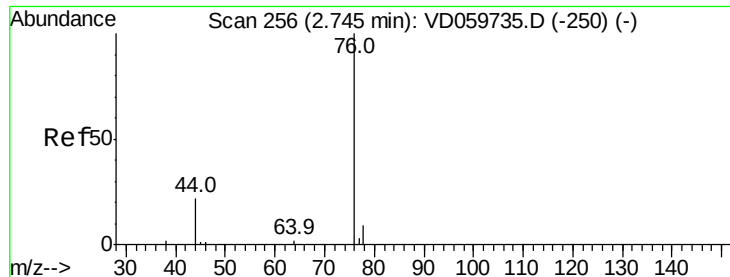
58 15.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 15.464 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

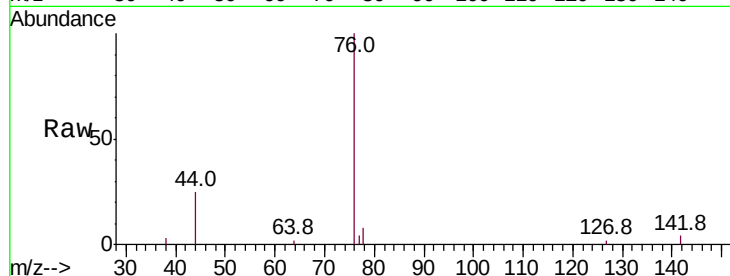
ClientSampleId :

Tot Ion: 76 Resp: 65029

Ion Ratio Lower Upper

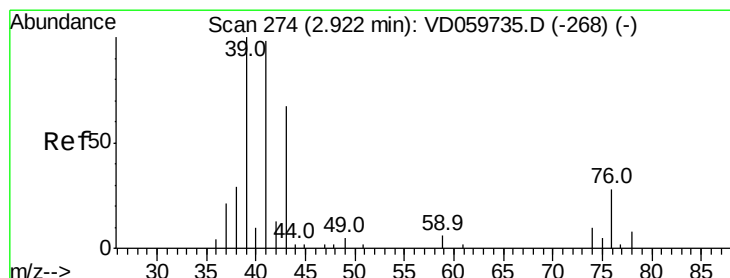
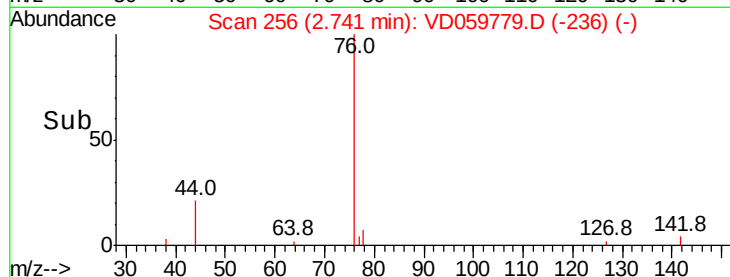
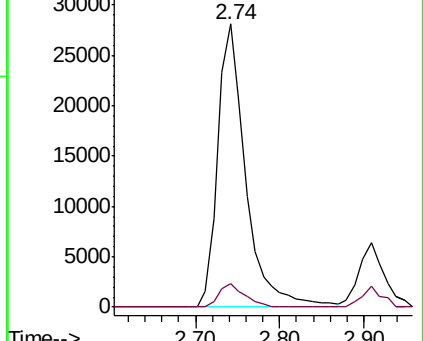
76 100

78 8.3 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.006 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059779.D

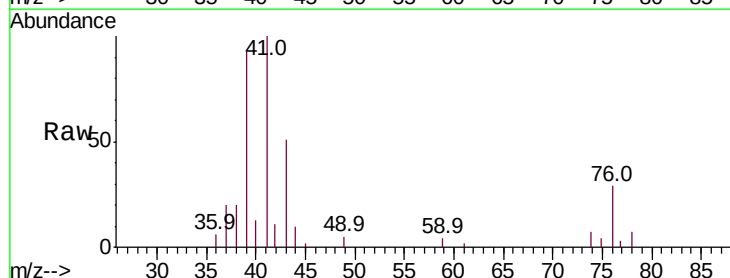
Acq: 14 Aug 2018 21:05

Tgt Ion: 43 Resp: 18402

Ion Ratio Lower Upper

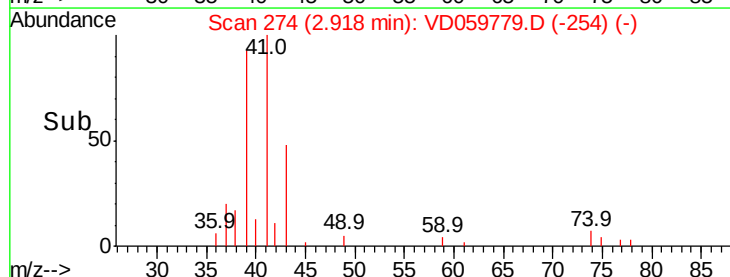
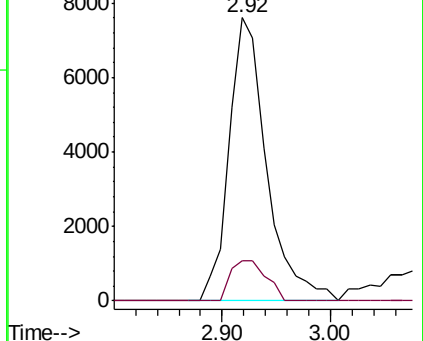
43 100

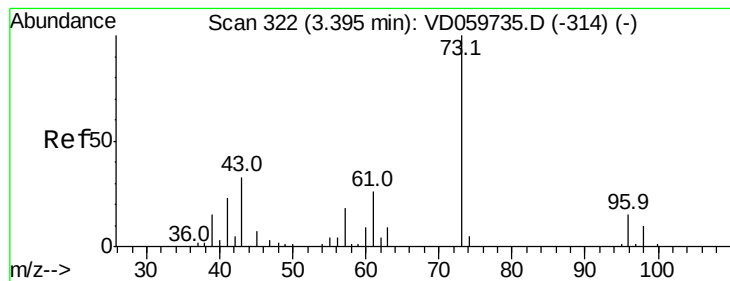
74 14.1 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



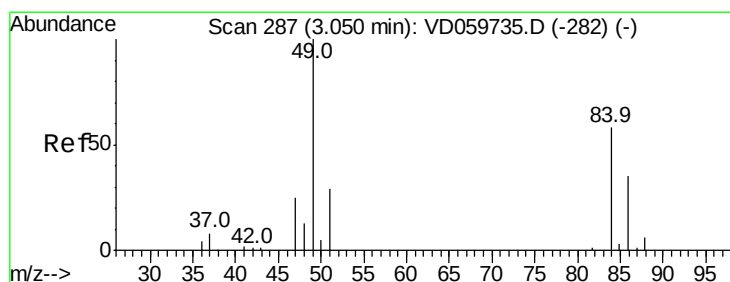
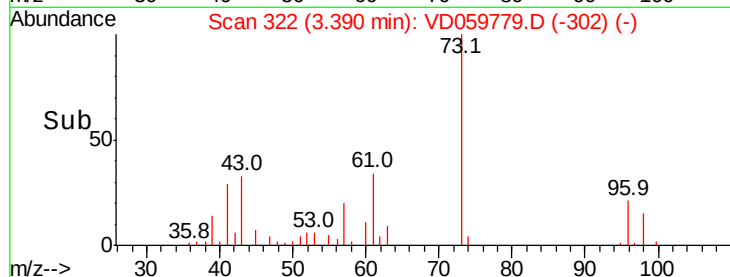
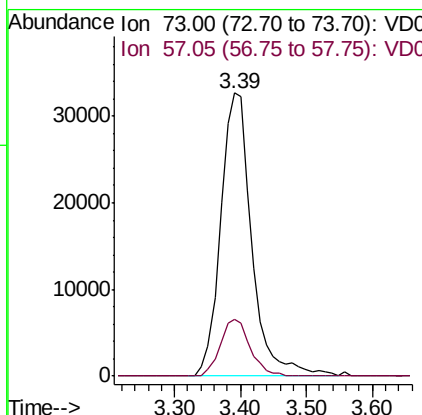
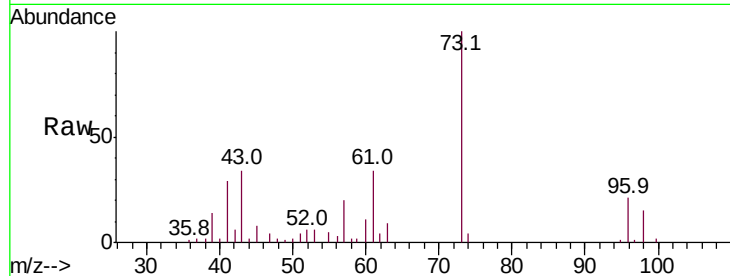


#19

Methyl tert-butyl Ether
 Concen: 21.909 ug/l
 RT: 3.39 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampled :

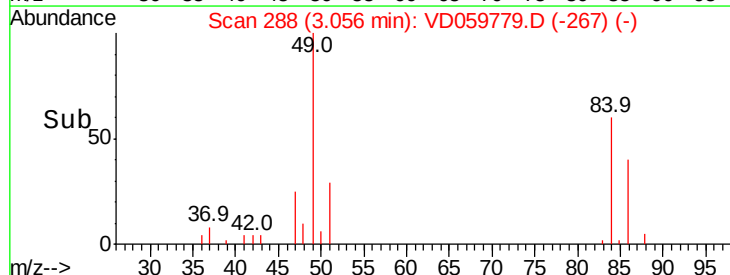
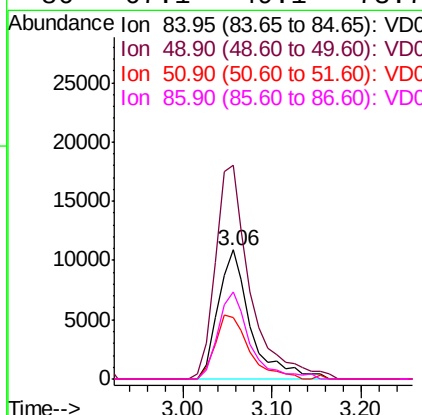
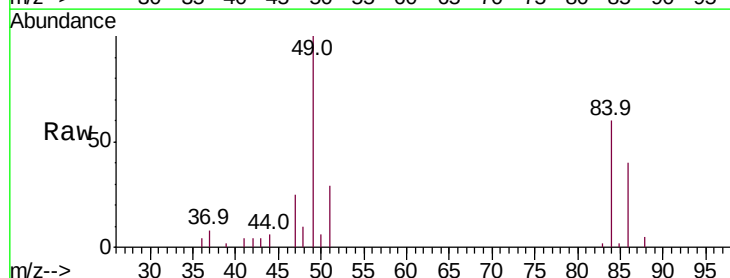
Tot Ion: 73 Resp: 107552
 Ion Ratio Lower Upper
 73 100
 57 20.3 14.8 22.2

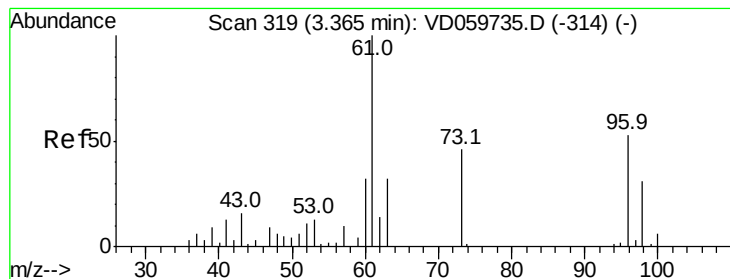


#20

Methylene Chloride
 Concen: 16.887 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion: 84 Resp: 27778
 Ion Ratio Lower Upper
 84 100
 49 165.8 138.9 208.3
 51 47.6 40.2 60.2
 86 67.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 25.751 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

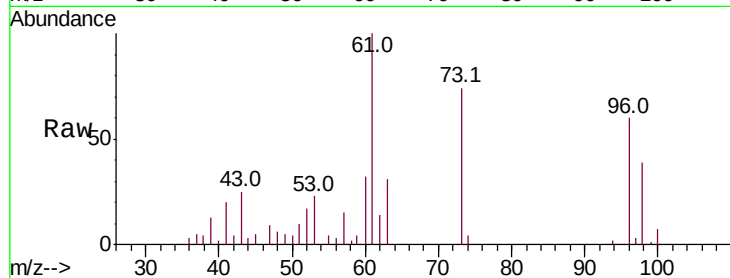
Tot Ion: 96 Resp: 40952

Ion Ratio Lower Upper

96 100

61 167.2 152.0 228.0

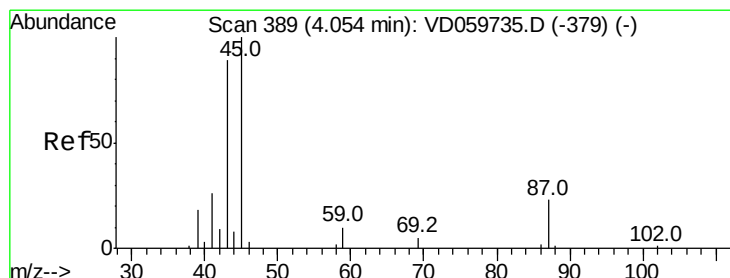
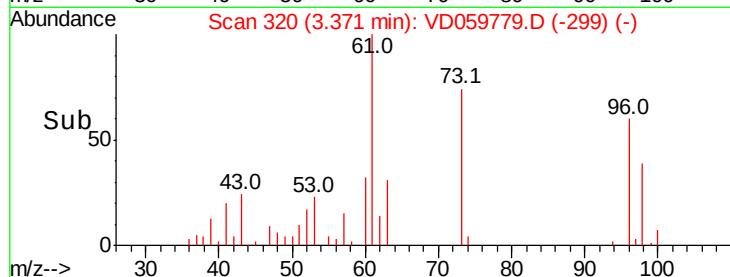
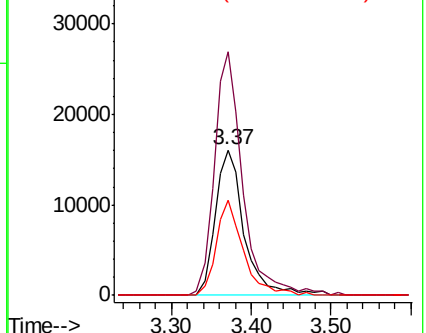
98 65.5 47.4 71.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 26.753 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Tgt Ion: 45 Resp: 140245

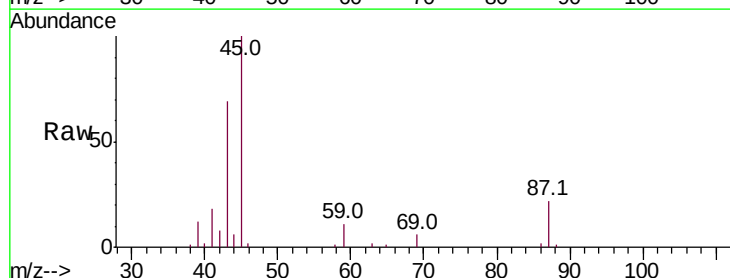
Ion Ratio Lower Upper

45 100

43 69.1 75.5 113.3#

87 21.7 19.4 29.0

59 10.6 8.5 12.7

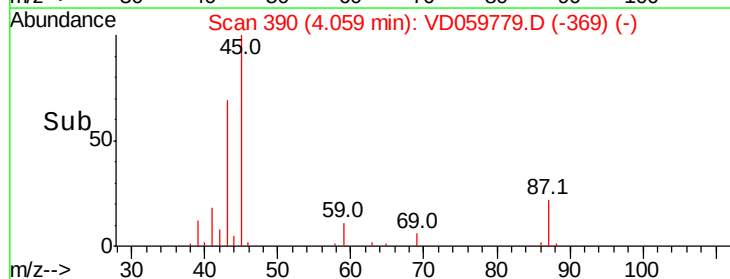
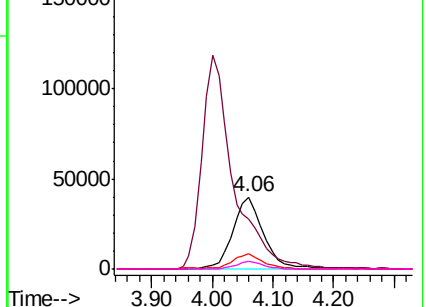


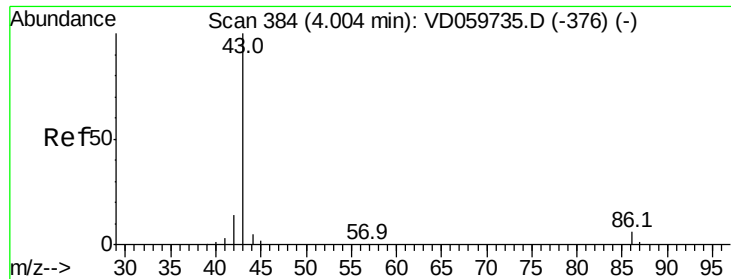
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 120.041 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

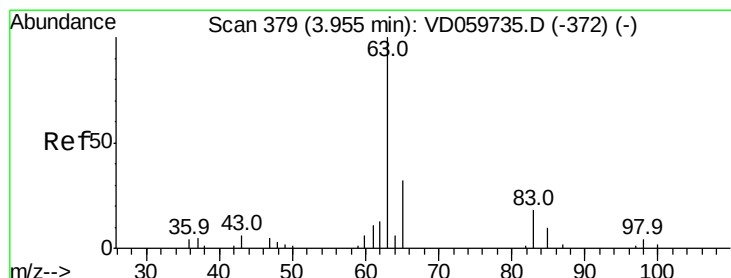
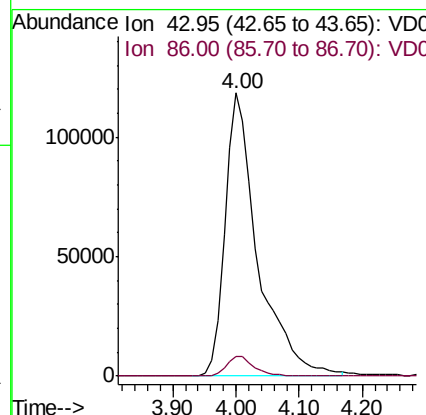
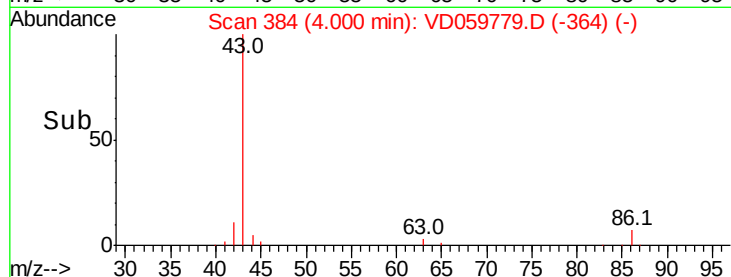
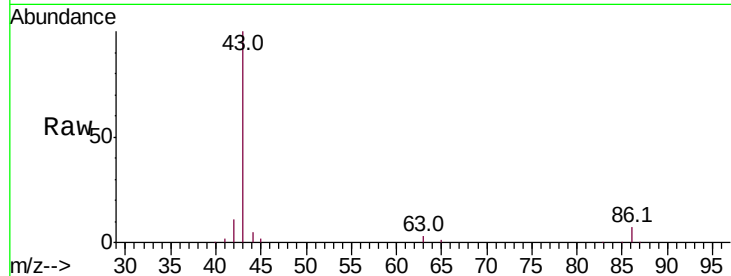
ClientSampled :

Tot Ion: 43 Resp: 425849

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4



#24

1,1-Dichloroethane

Concen: 21.673 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

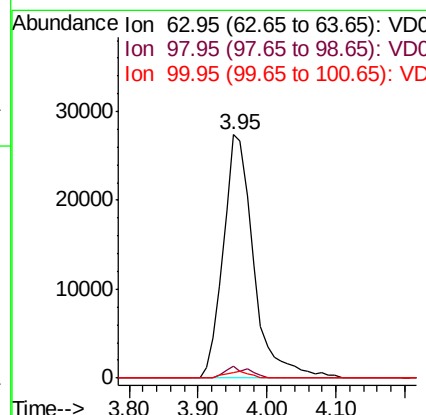
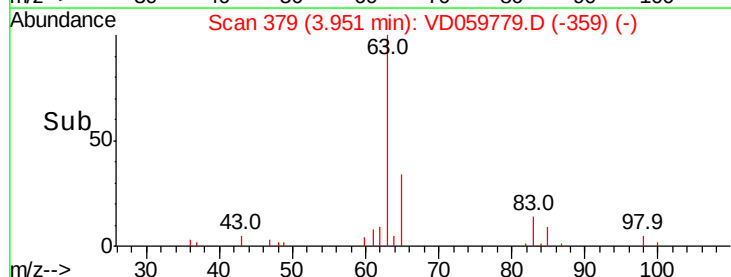
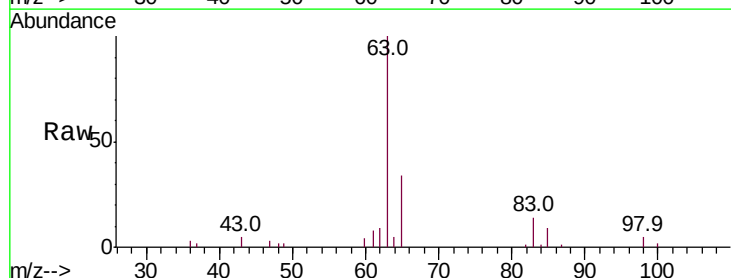
Tgt Ion: 63 Resp: 83910

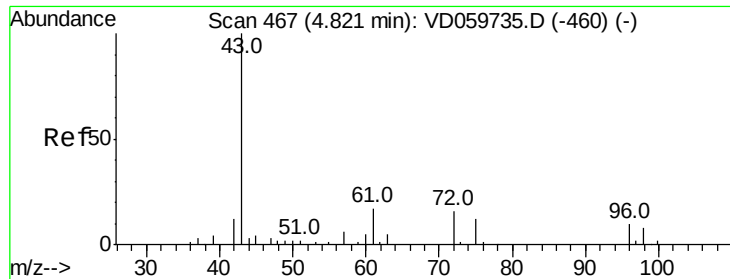
Ion Ratio Lower Upper

63 100

98 4.9 1.8 5.5

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 108.965 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

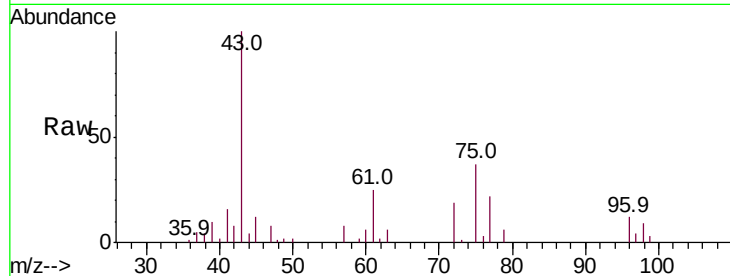
ClientSampleId :

Tot Ion: 43 Resp: 66732

Ion Ratio Lower Upper

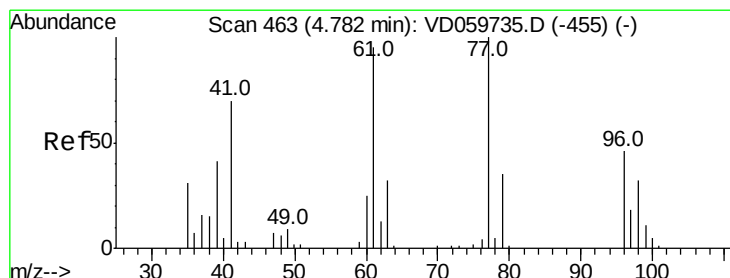
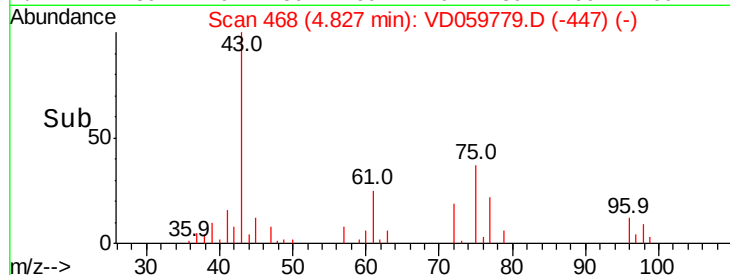
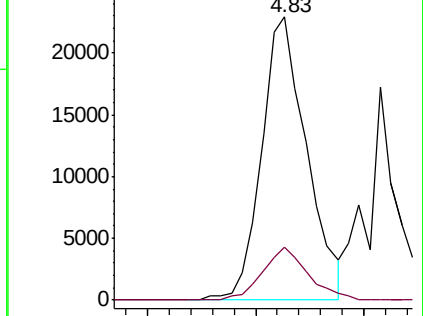
43 100

72 18.8 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 16.958 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059779.D

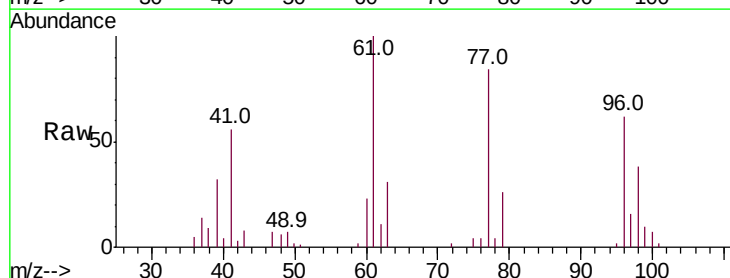
Acq: 14 Aug 2018 21:05

Tgt Ion: 77 Resp: 76756

Ion Ratio Lower Upper

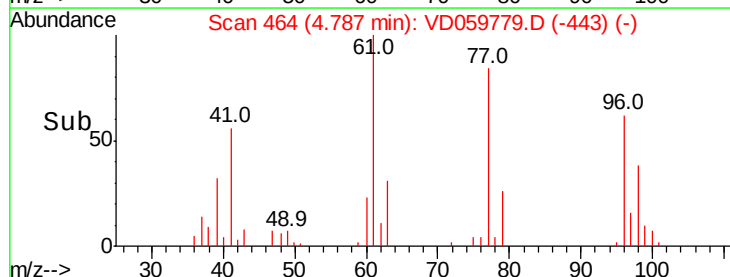
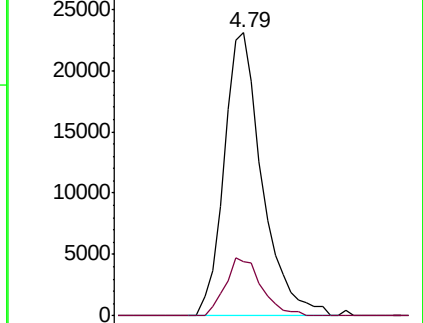
77 100

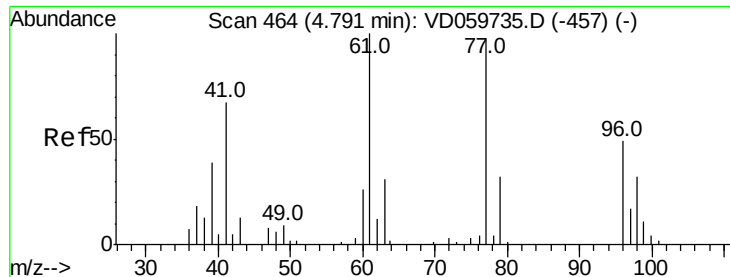
97 19.4 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



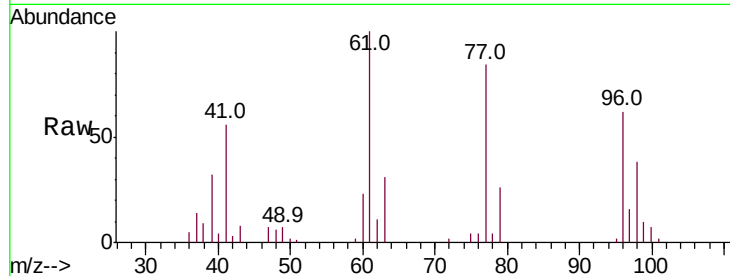


#27

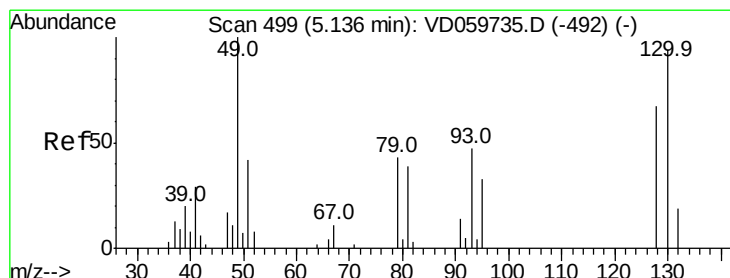
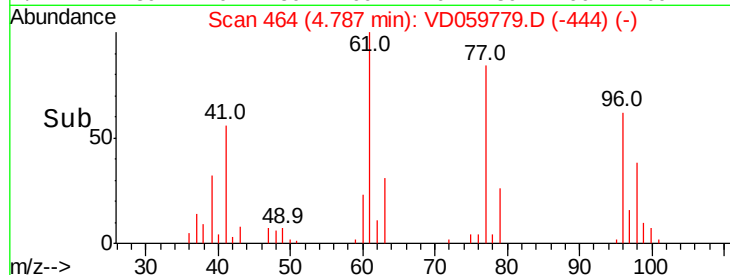
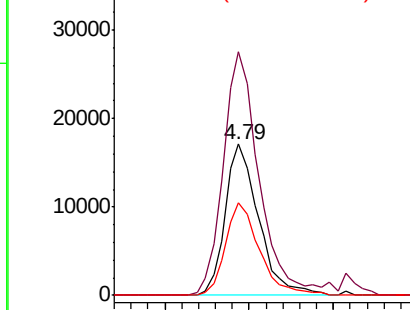
cis-1,2-Dichloroethene
Concen: 24.676 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 47475
Ion Ratio Lower Upper
96 100
61 160.8 0.0 409.8
98 61.4 0.0 132.8



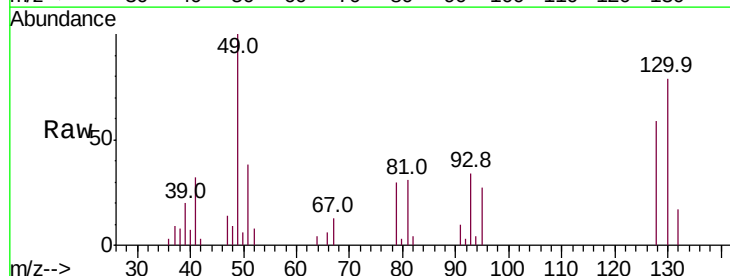
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



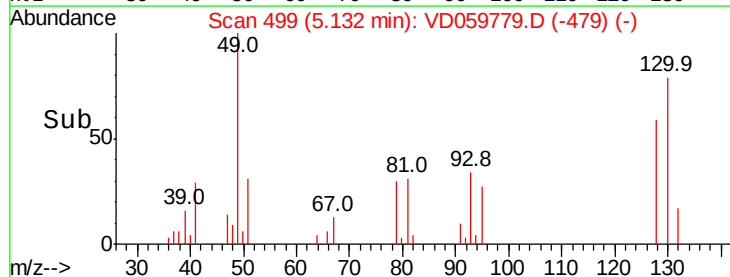
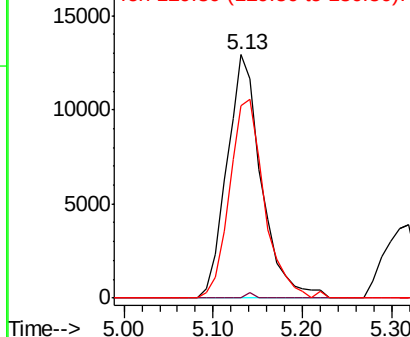
#28

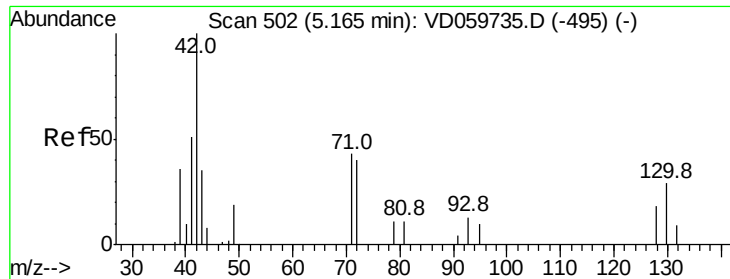
Bromochloromethane
Concen: 25.099 ug/l
RT: 5.13 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 49 Resp: 34992
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 79.1 75.0 112.6



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





#29

Tetrahydrofuran

Concen: 135.347 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :

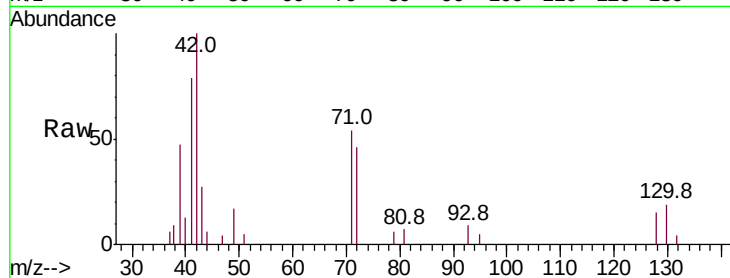
Tot Ion: 42 Resp: 30993

Ion Ratio Lower Upper

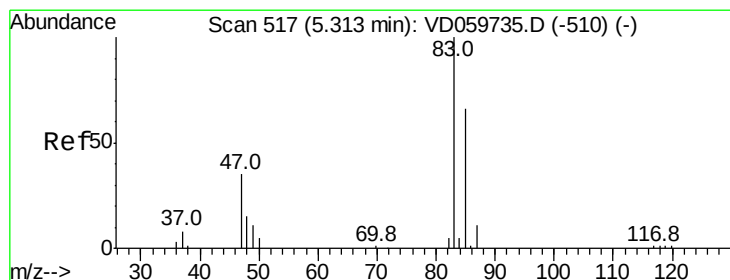
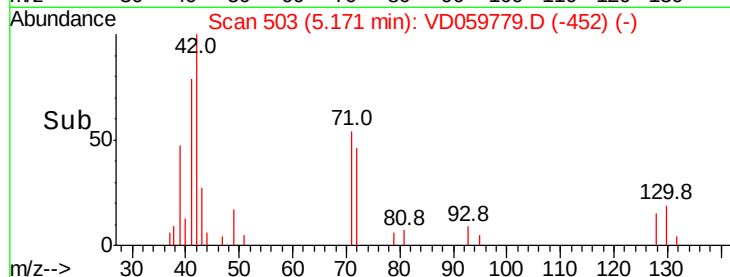
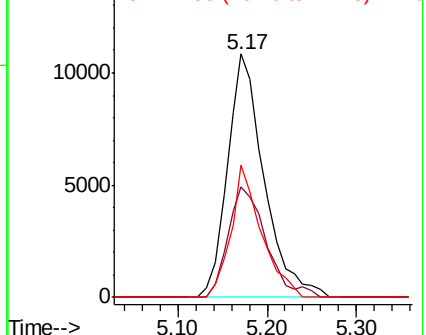
42 100

72 47.3 35.3 52.9

71 45.3 37.1 55.7



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



#30

Chloroform

Concen: 19.721 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD059779.D

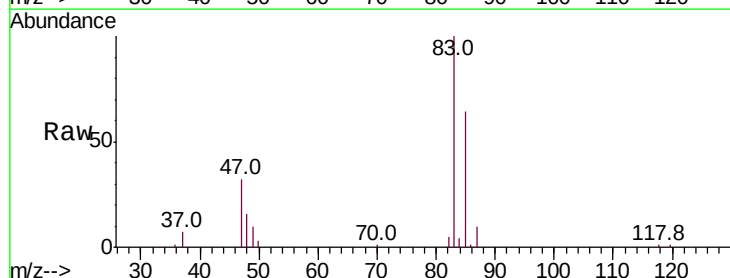
Acq: 14 Aug 2018 21:05

Tgt Ion: 83 Resp: 100864

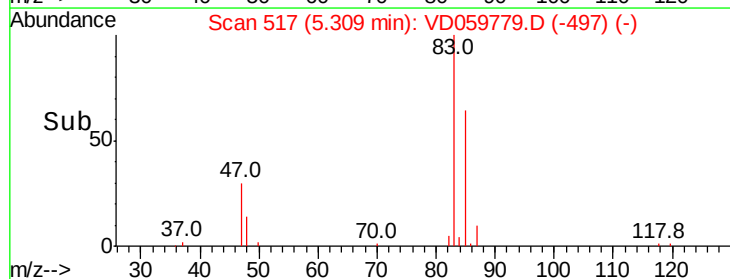
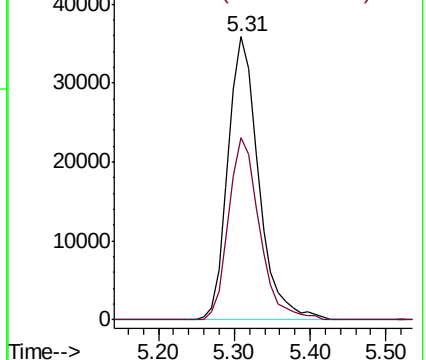
Ion Ratio Lower Upper

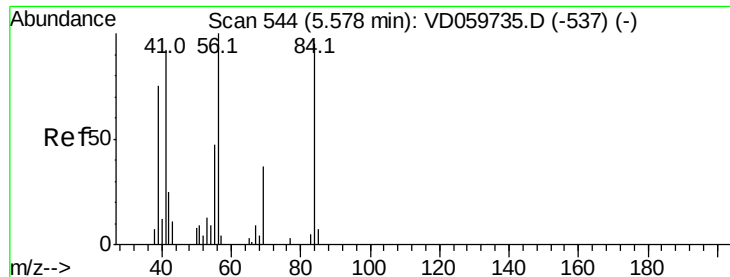
83 100

85 64.5 52.9 79.3



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

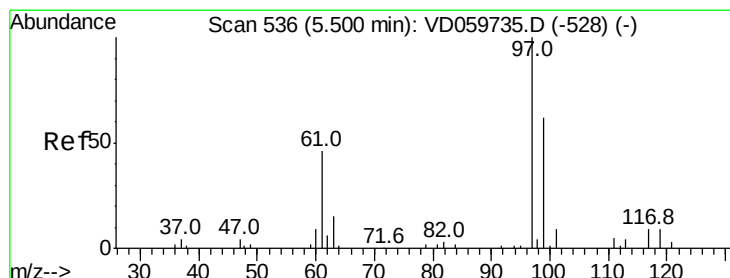
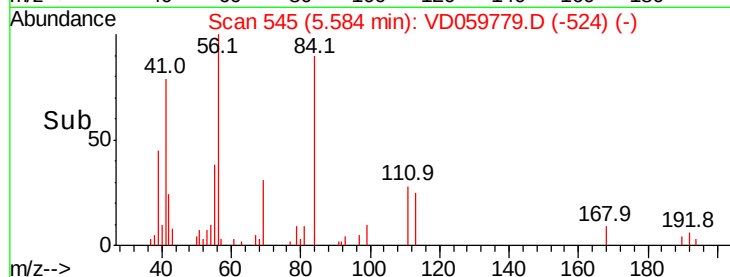
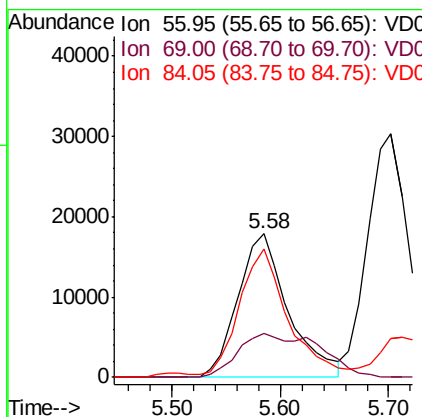
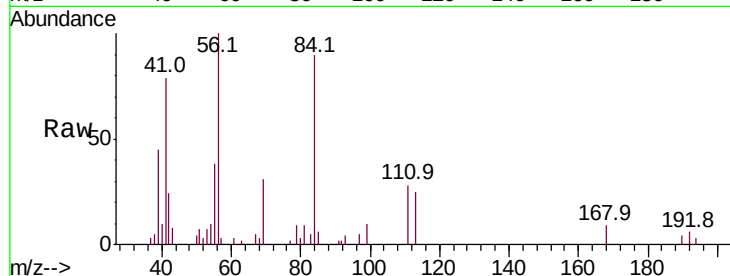




#31
Cyclohexane
Concen: 25.809 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

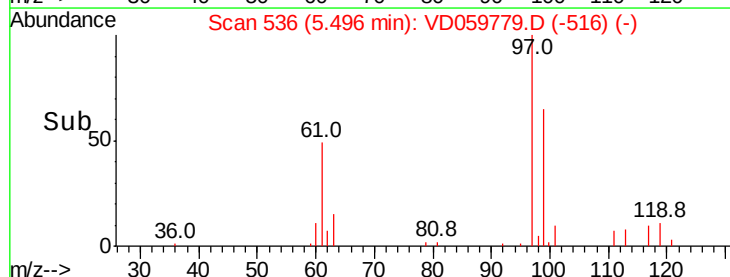
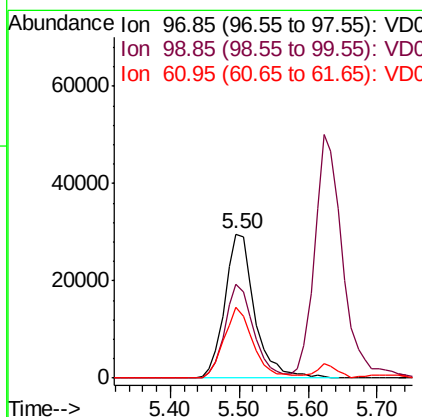
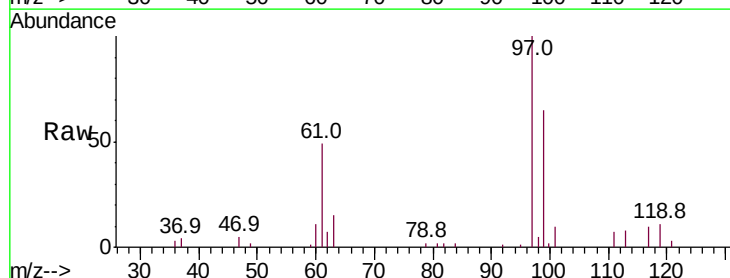
Instrument :
MSVOA_D
ClientSampleId :

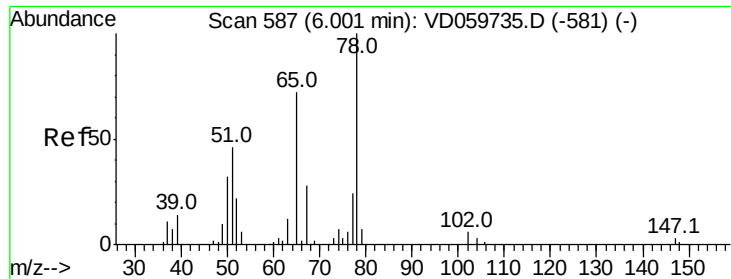
Tot Ion: 56 Resp: 58008
Ion Ratio Lower Upper
56 100
69 30.8 29.3 43.9
84 89.9 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 16.810 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 97 Resp: 89121
Ion Ratio Lower Upper
97 100
99 65.2 49.8 74.6
61 49.2 37.0 55.4

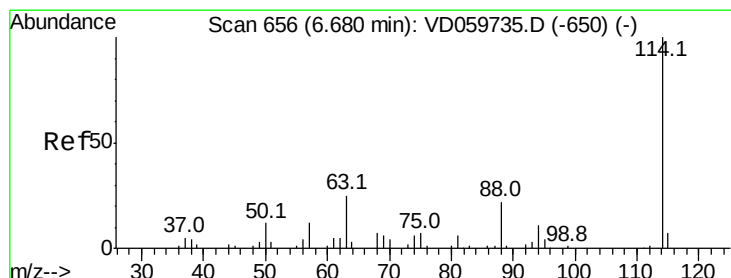
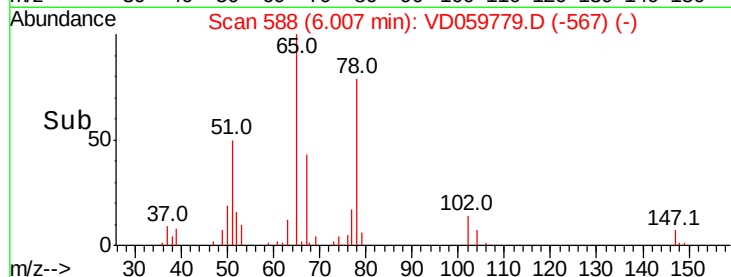
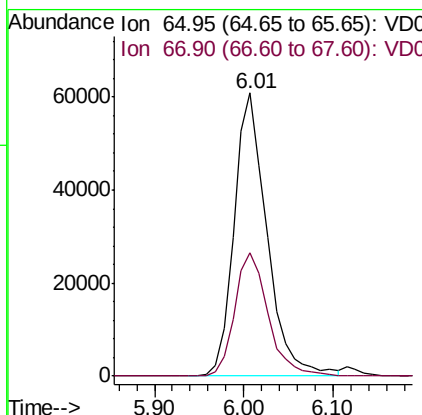
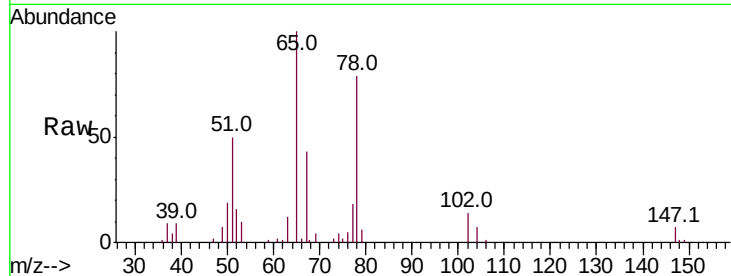




#33
 1,2-Dichloroethane-d4
 Concen: 16.810 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

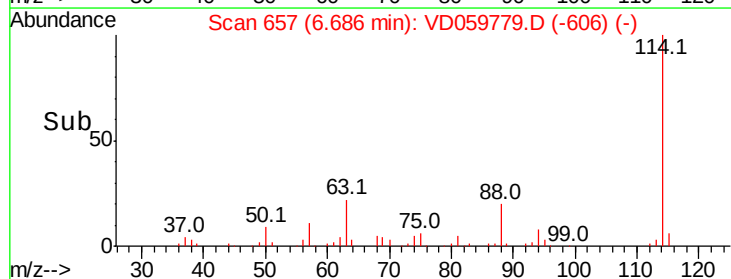
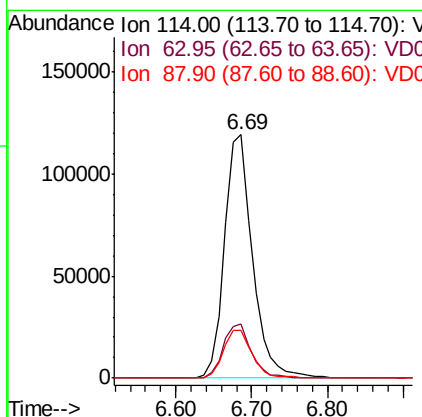
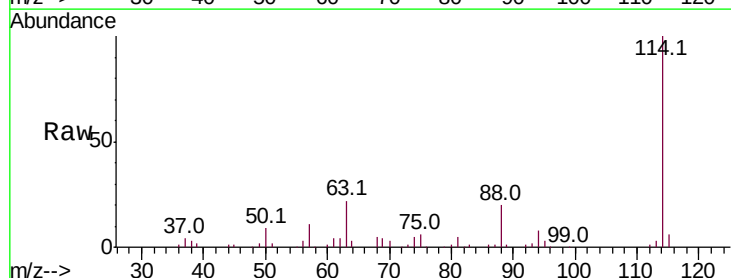
Instrument :
 MSVOA_D
 ClientSampleId :

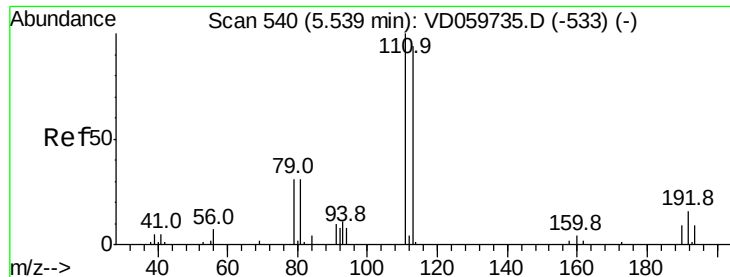
Tot Ion: 65 Resp: 156193
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion: 114 Resp: 305500
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 50.6
 88 19.7 0.0 43.4

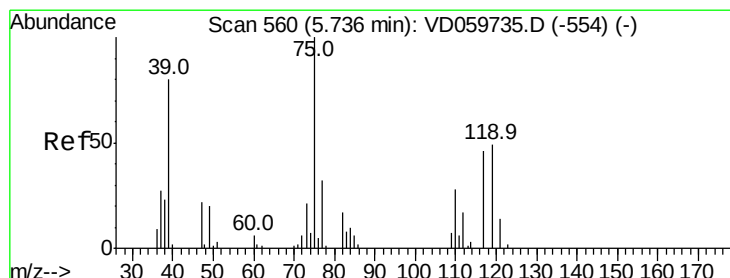
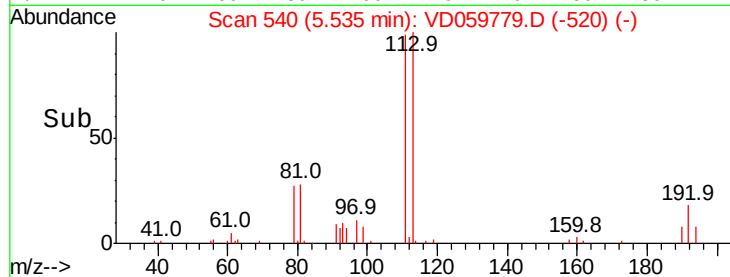
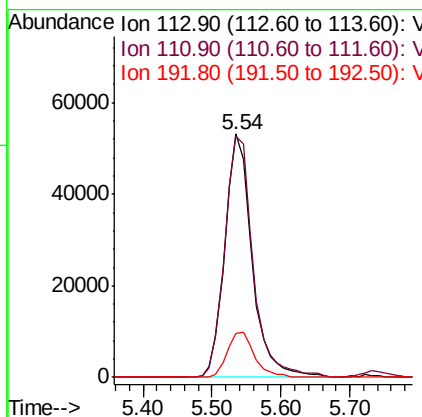
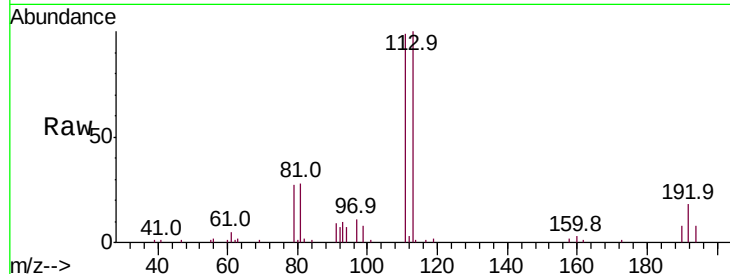




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

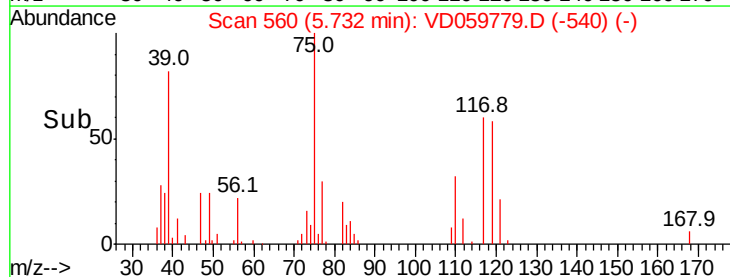
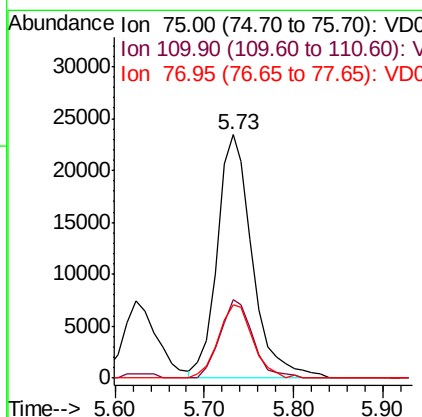
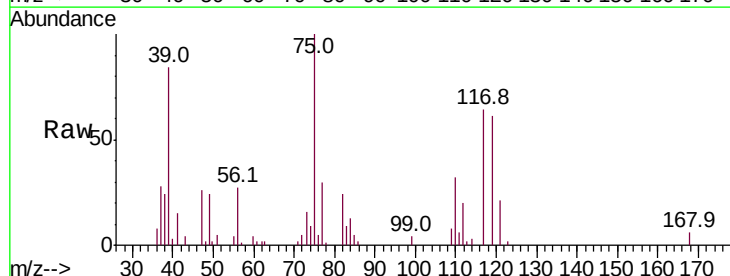
Instrument :
 MSVOA_D
 ClientSampleId :

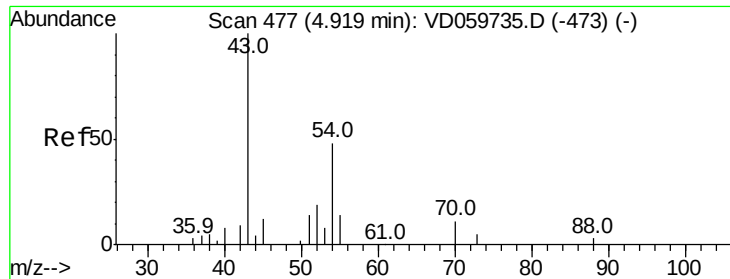
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	85.3	127.9
192	18.3	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 18.166 ug/l
 RT: 5.73 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	13.7	41.0
77	30.1	25.4	38.2

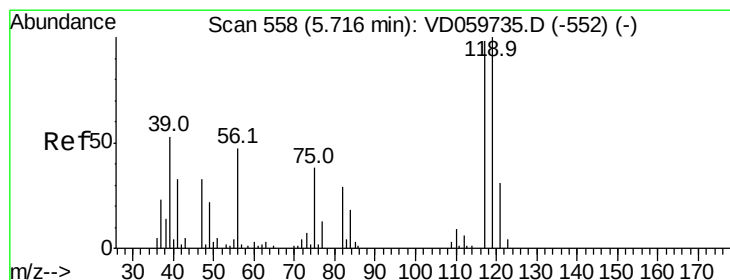
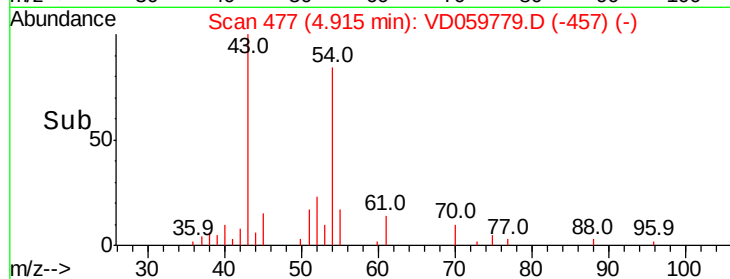
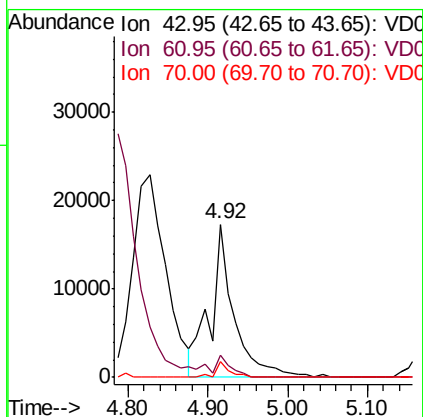
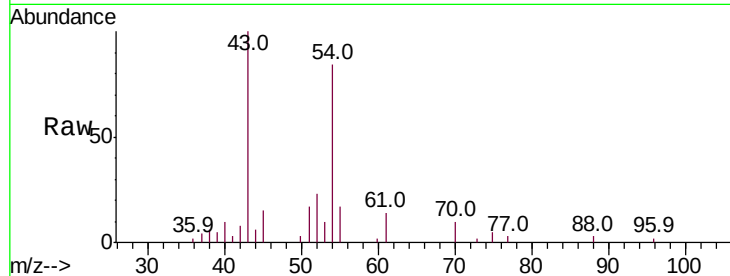




#37
Ethyl Acetate
Concen: 22.961 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

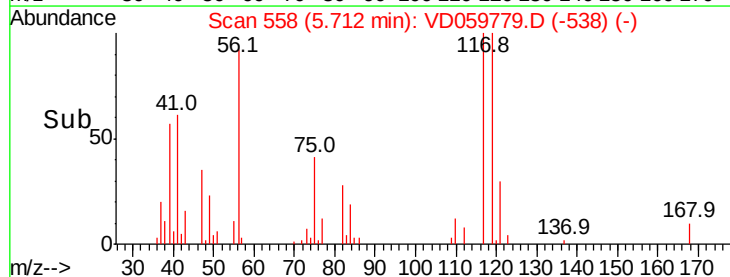
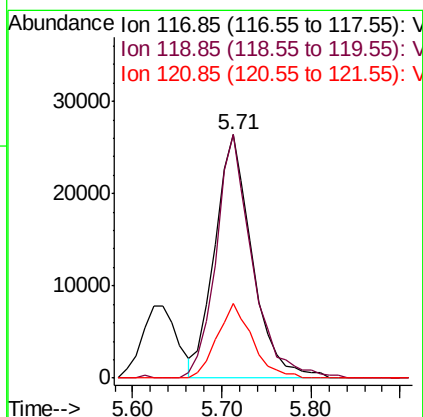
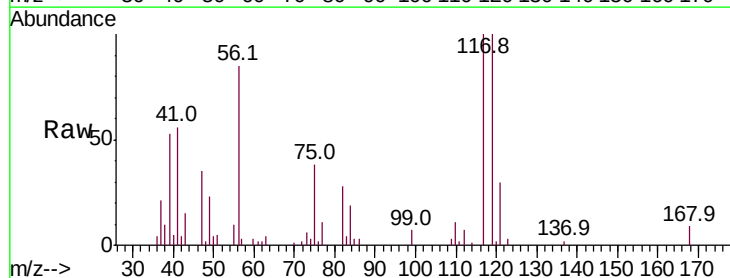
Instrument :
MSVOA_D
ClientSampleId :

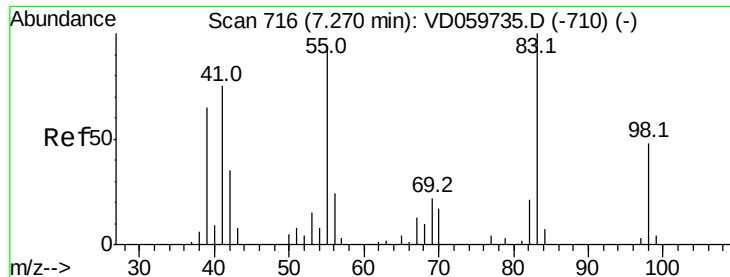
Tot Ion: 43 Resp: 35808
Ion Ratio Lower Upper
43 100
61 14.4 7.4 11.0#
70 10.1 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 13.856 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 117 Resp: 77303
Ion Ratio Lower Upper
117 100
119 99.8 78.2 117.2
121 30.5 23.9 35.9

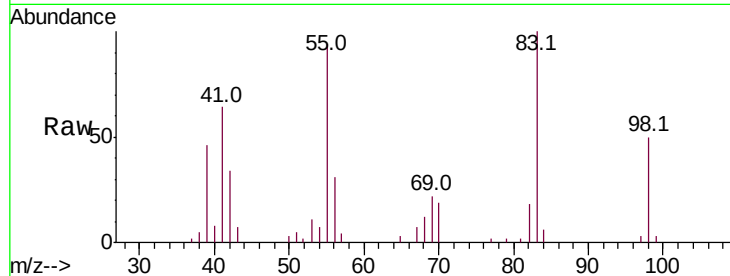




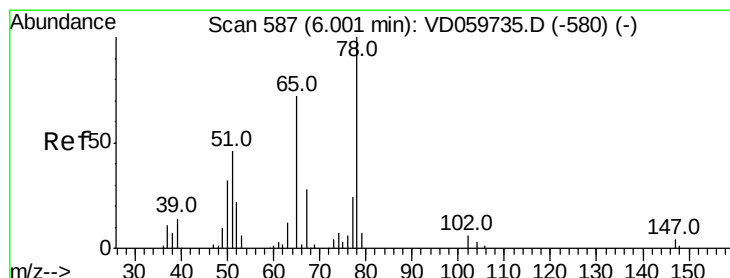
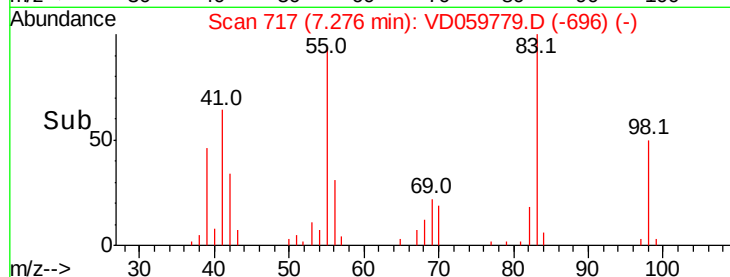
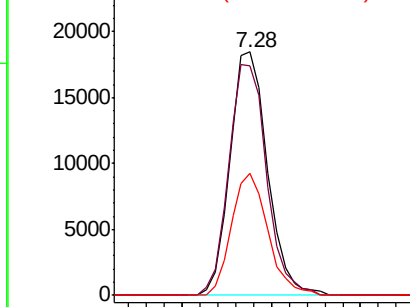
#39
Methvlcvclohexane
Concen: 20.647 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 54246
Ion Ratio Lower Upper
83 100
55 94.2 75.1 112.7
98 50.2 38.7 58.1

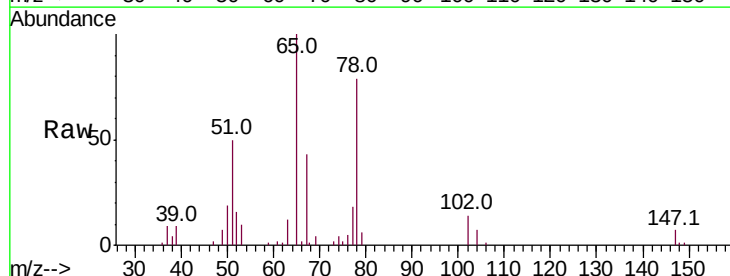


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

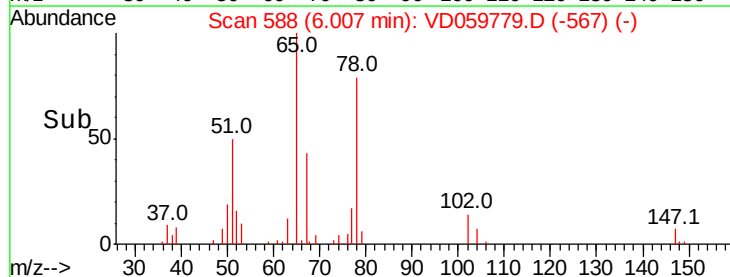
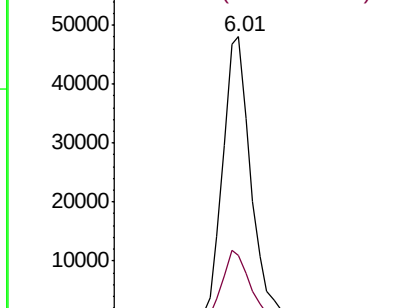


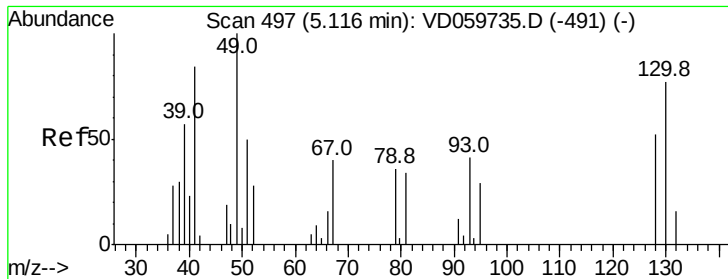
#40
Benzene
Concen: 21.366 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 78 Resp: 132009
Ion Ratio Lower Upper
78 100
77 22.8 19.4 29.0



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





#41

Methacrylonitrile

Concen: 23.159 ug/l

RT: 5.11 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD059779.D

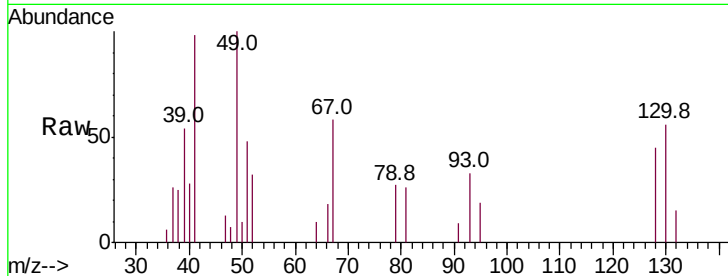
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

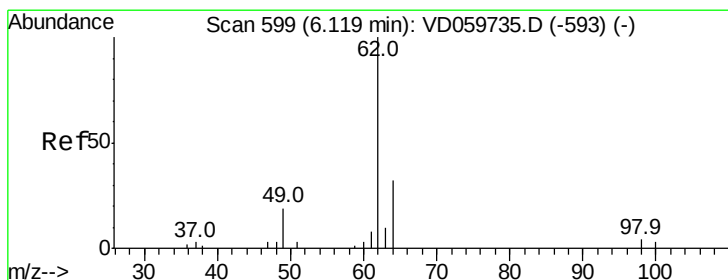
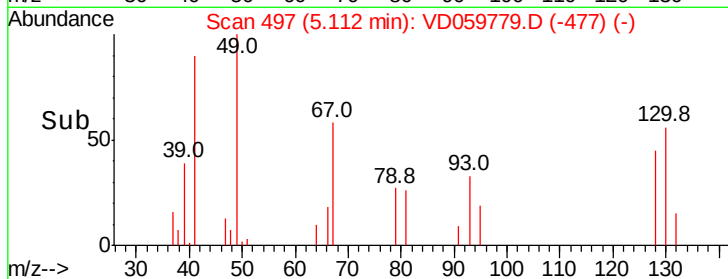
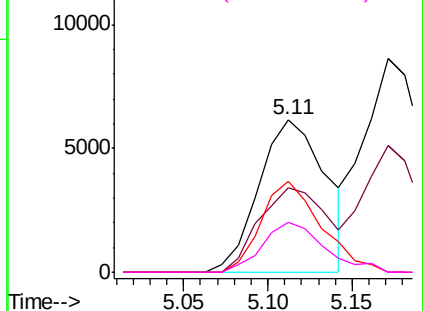
Tot Ion: 41 Resp: 16978

Ion Ratio Lower Upper

41	100		
39	55.0	54.3	81.5
67	59.3	38.2	57.2
52	32.4	26.8	40.2



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



#42

1,2-Dichloroethane

Concen: 15.102 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.00 min

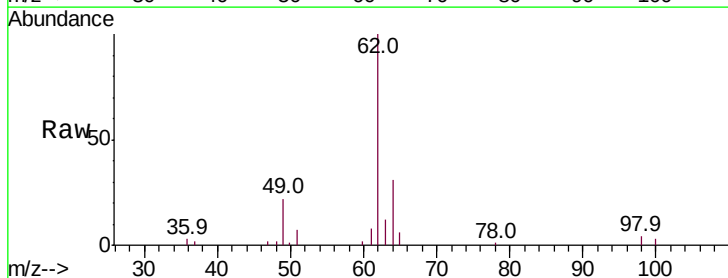
Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

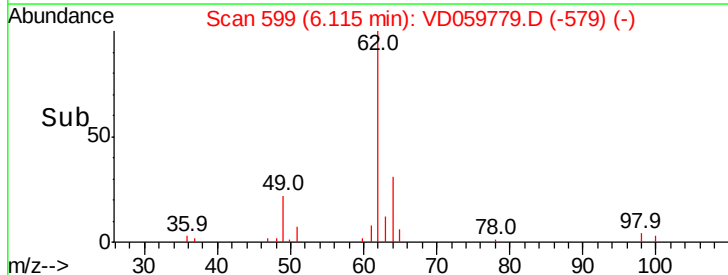
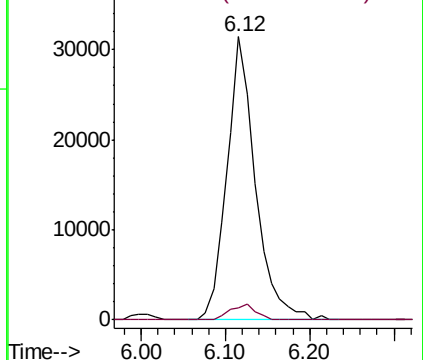
Tgt Ion: 62 Resp: 74000

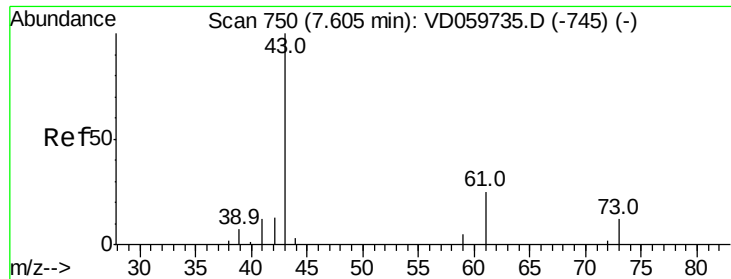
Ion Ratio Lower Upper

62	100		
98	4.2	0.0	8.2



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



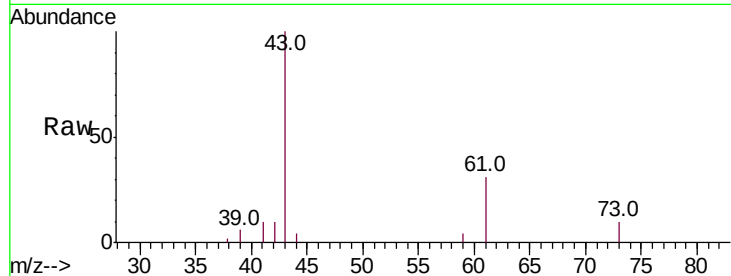


#43

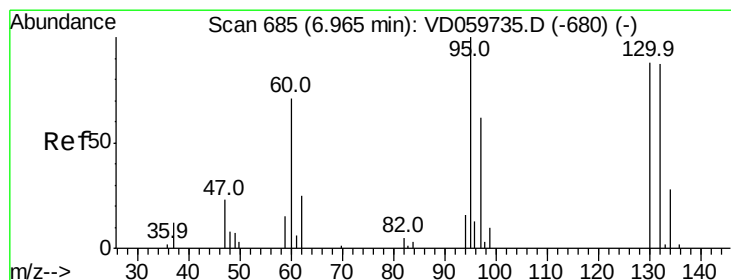
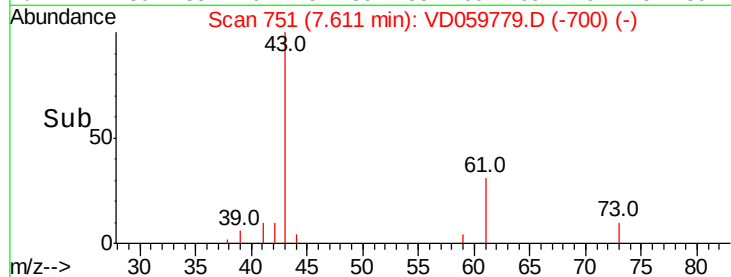
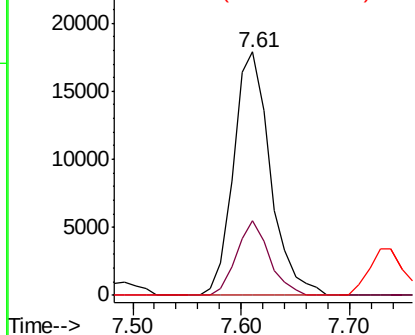
Isopropyl Acetate
 Concen: 21.504 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 42250
 Ion Ratio Lower Upper
 43 100
 61 30.9 19.8 29.8#
 87 0.0 0.0 0.0



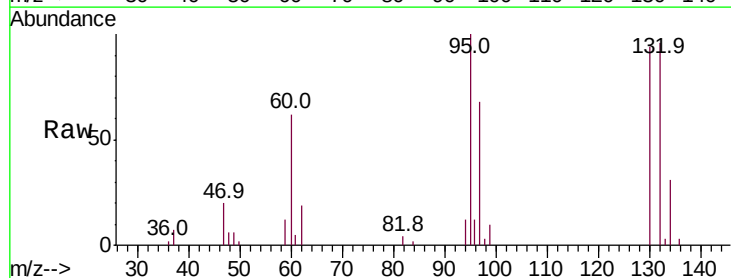
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



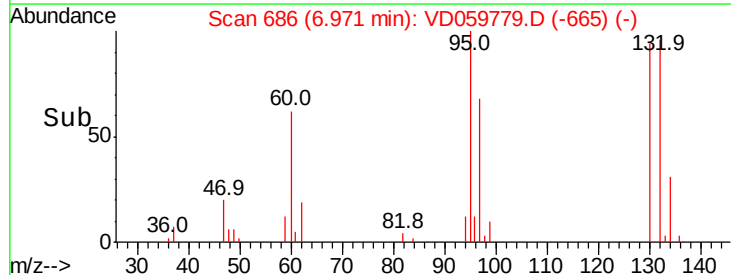
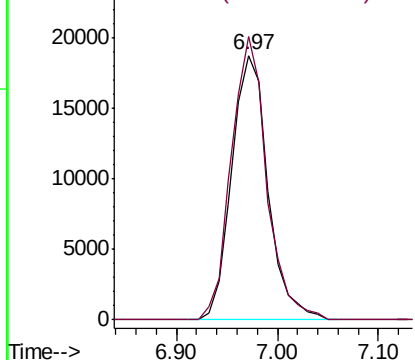
#44

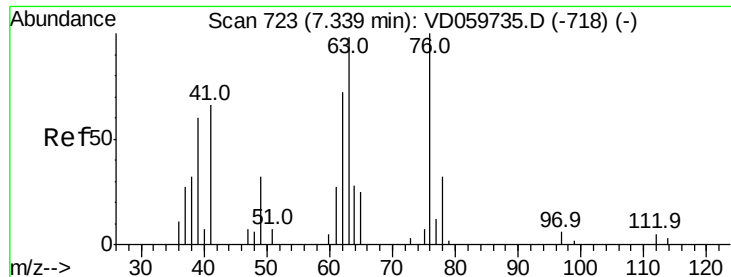
Trichloroethene
 Concen: 18.869 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion:130 Resp: 47021
 Ion Ratio Lower Upper
 130 100
 95 107.0 0.0 226.4



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





#45

1,2-Dichloropropane

Concen: 22.685 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

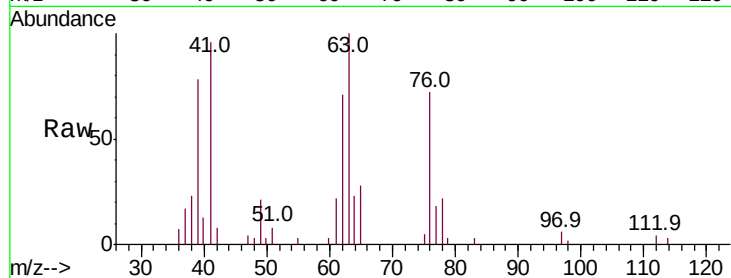
ClientSampleId :

Tot Ion: 63 Resp: 35702

Ion Ratio Lower Upper

63 100

65 28.4 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

15000

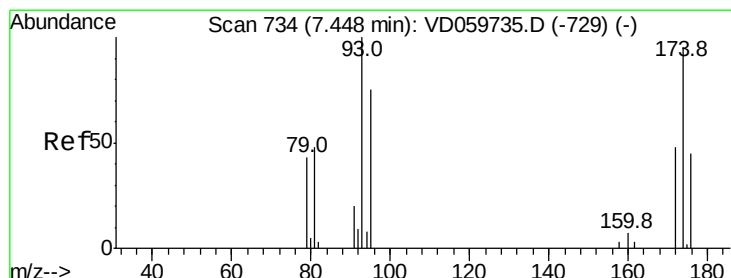
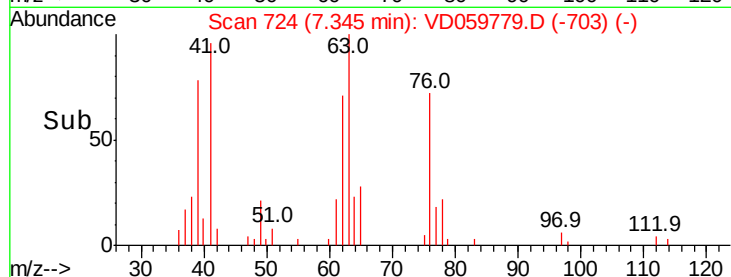
10000

5000

0

7.30 7.35 7.40

Time-->



#46

Dibromomethane

Concen: 17.797 ug/l

RT: 7.45 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

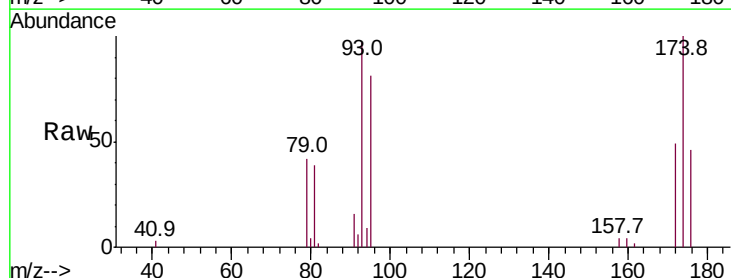
Tgt Ion: 93 Resp: 29748

Ion Ratio Lower Upper

93 100

95 83.2 60.2 90.2

174 103.2 75.6 113.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

15000

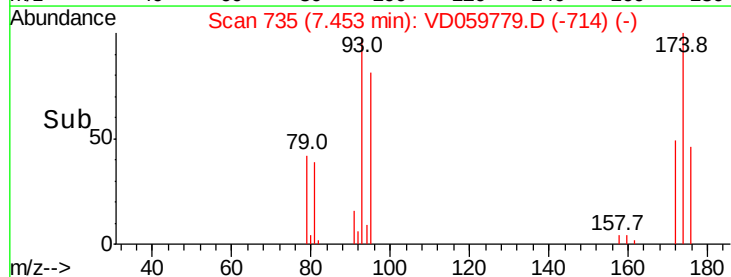
10000

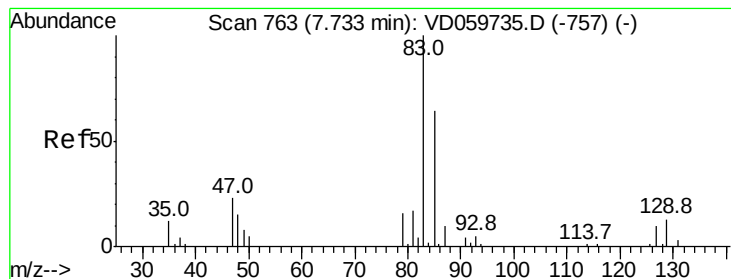
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#47

Bromodichloromethane

Concen: 16.445 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

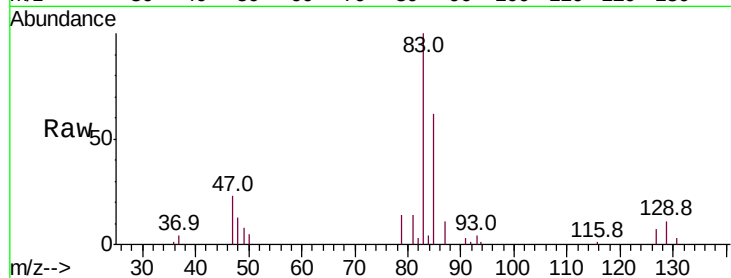
Tot Ion: 83 Resp: 72626

Ion Ratio Lower Upper

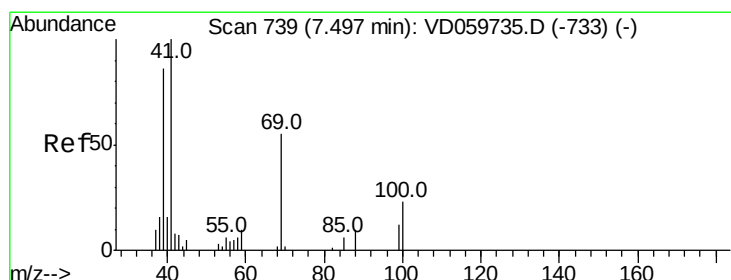
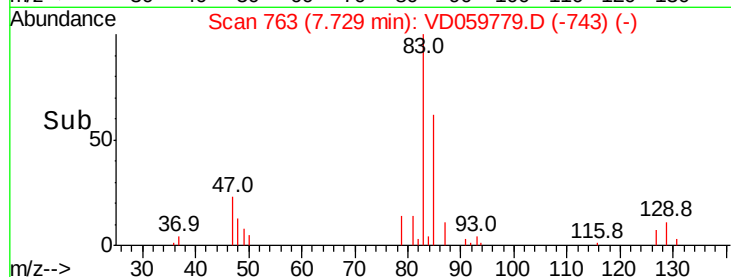
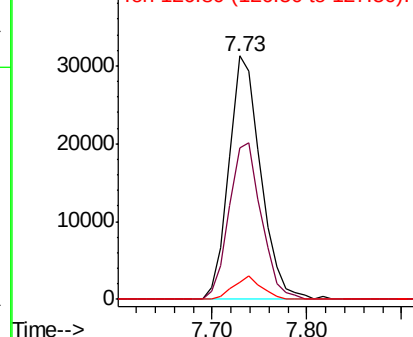
83 100

85 62.3 51.6 77.4

127 7.1 7.7 11.5#



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



#48

Methyl methacrylate

Concen: 18.471 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

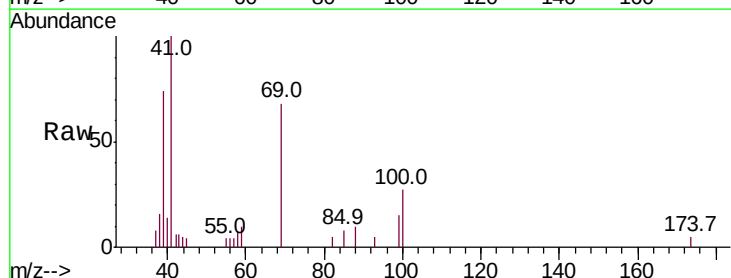
Tgt Ion: 41 Resp: 26489

Ion Ratio Lower Upper

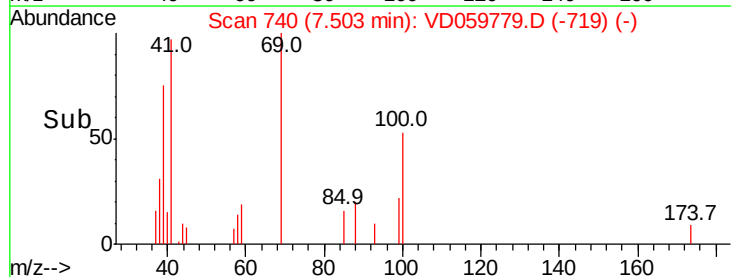
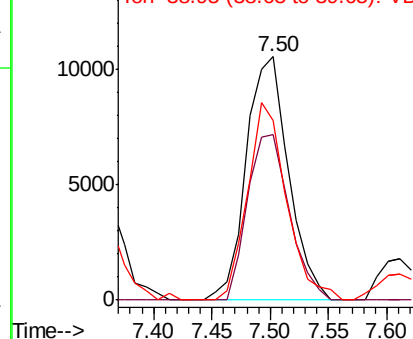
41 100

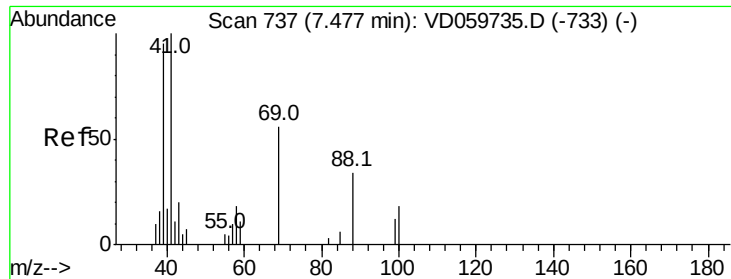
69 67.9 43.8 65.6#

39 73.5 69.1 103.7



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

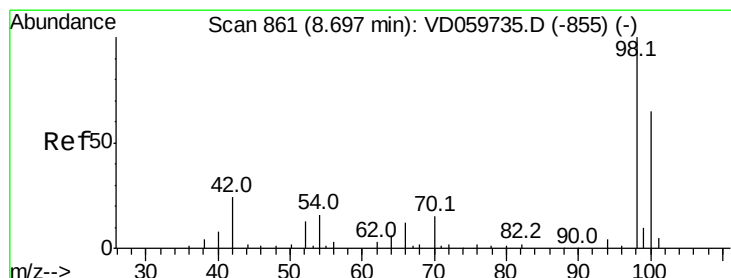
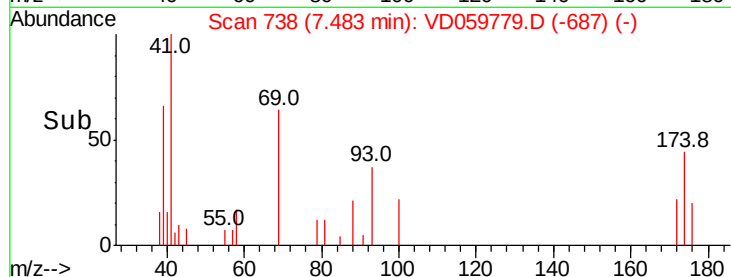
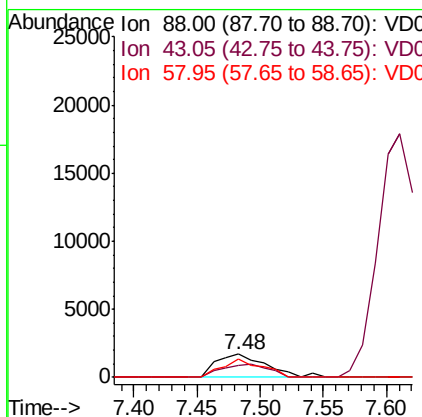
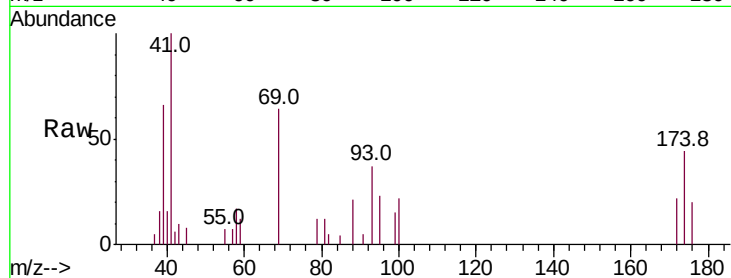




#49
1,4-Dioxane
Concen: 467.647 ug/l
RT: 7.48 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

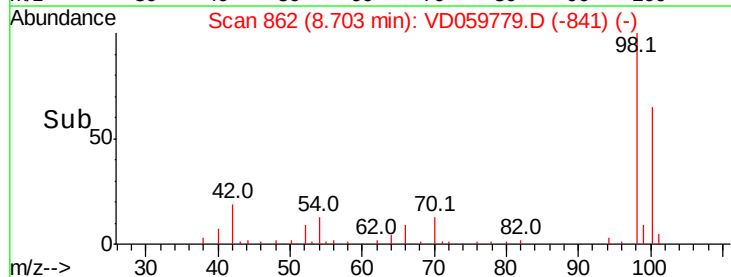
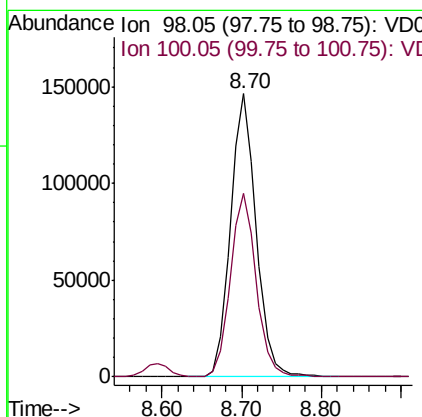
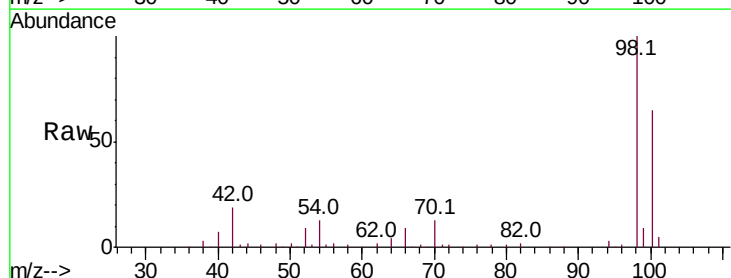
Instrument :
MSVOA_D
ClientSampled :

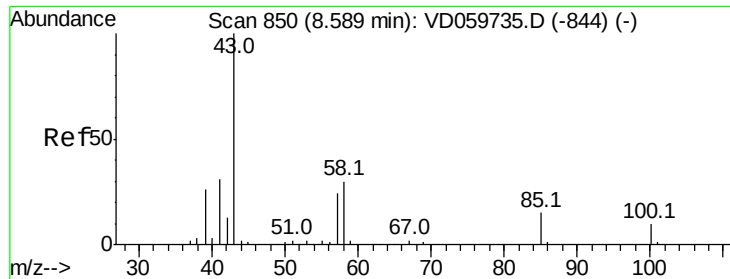
Tot Ion: 88 Resp: 4741
Ion Ratio Lower Upper
88 100
43 48.7 46.7 70.1
58 78.3 42.1 63.1#



#50
Toluene-d8
Concen: 467.647 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 98 Resp: 328324
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 94.041 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

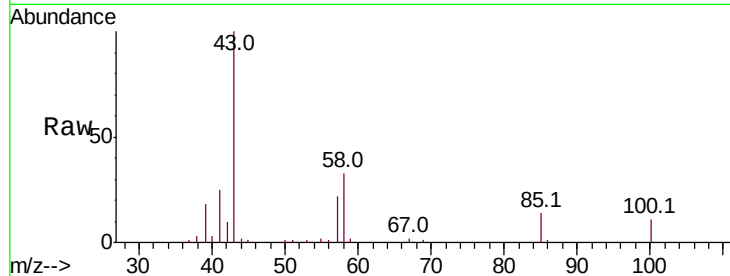
ClientSampled :

Tot Ion: 43 Resp: 142425

Ion Ratio Lower Upper

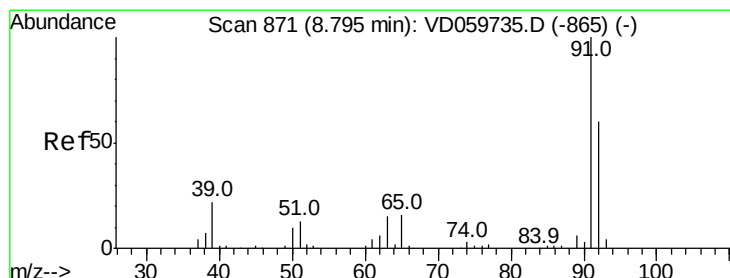
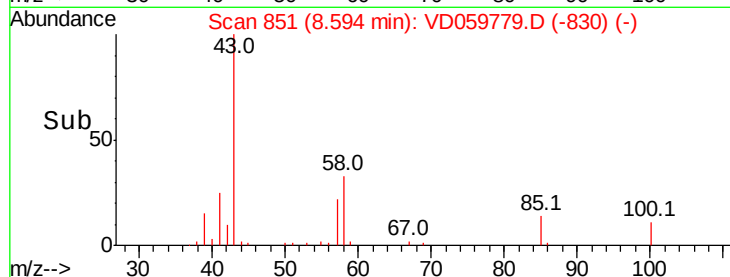
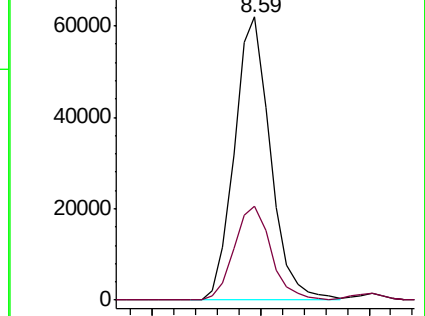
43 100

58 33.1 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.913 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059779.D

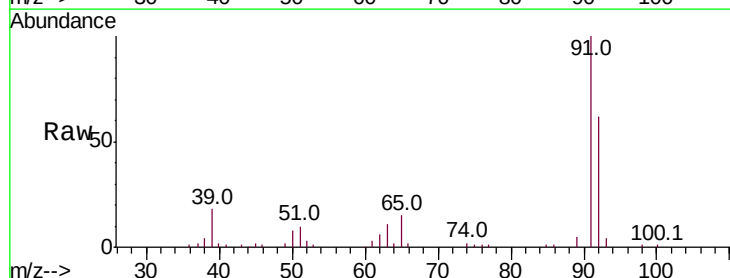
Acq: 14 Aug 2018 21:05

Tgt Ion: 92 Resp: 91042

Ion Ratio Lower Upper

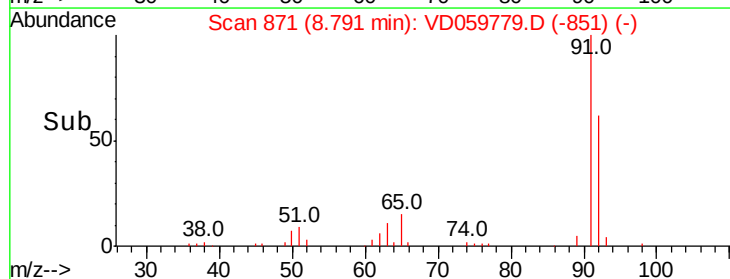
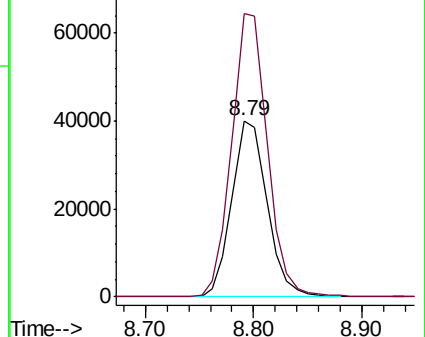
92 100

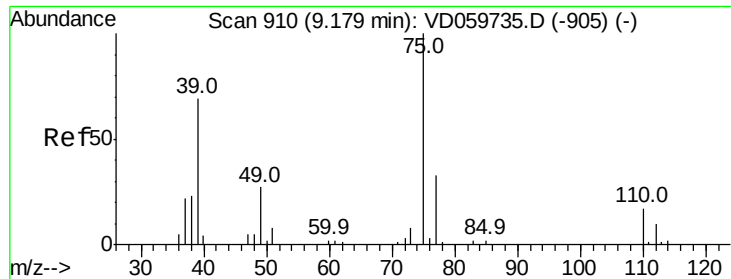
91 160.8 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 17.399 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

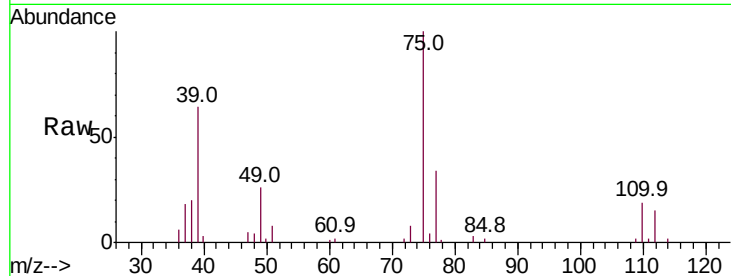
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 61745

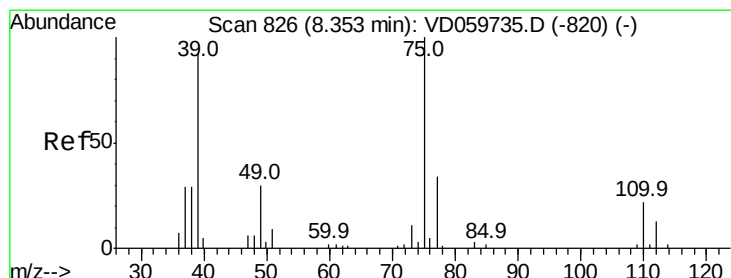
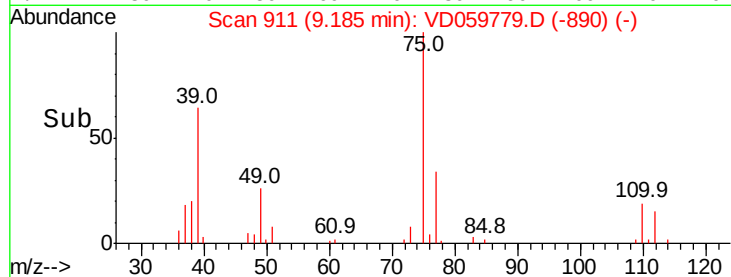
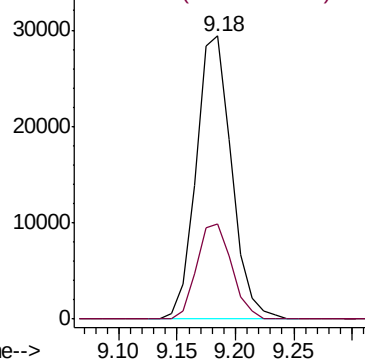
Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.2



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



#54

cis-1,3-Dichloropropene

Concen: 18.891 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

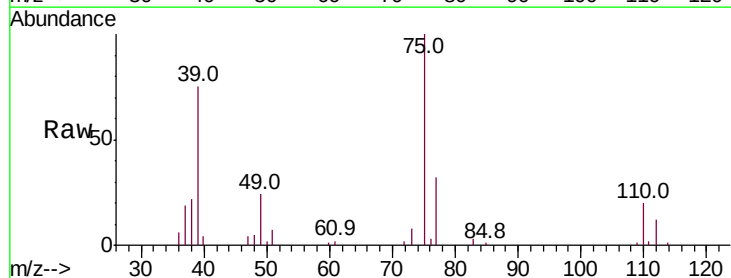
Tgt Ion: 75 Resp: 64347

Ion Ratio Lower Upper

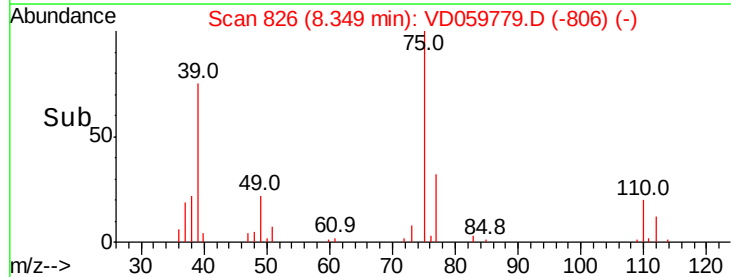
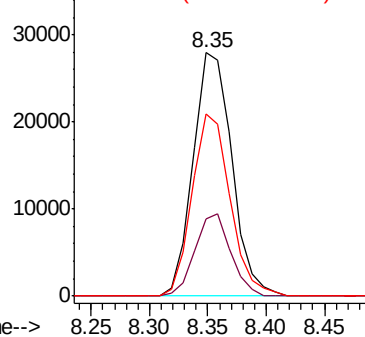
75 100

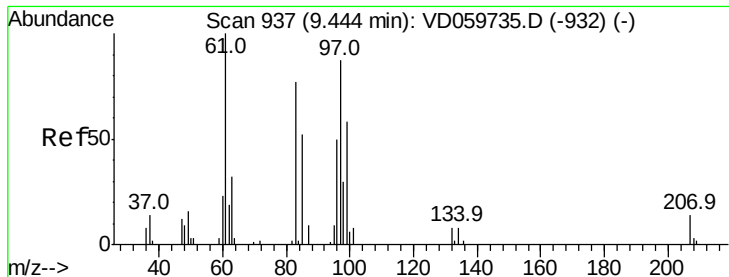
77 31.5 27.2 40.8

39 74.6 73.8 110.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.948 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 32822

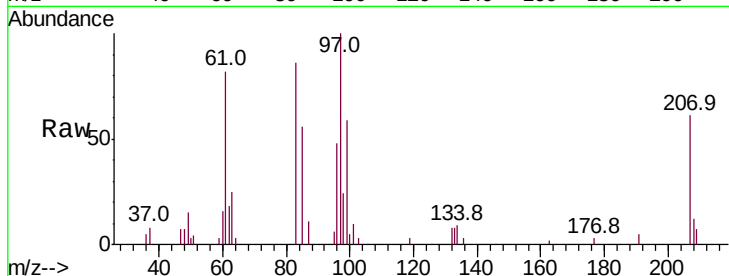
Ion Ratio Lower Upper

97 100

83 85.8 70.4 105.6

85 56.4 47.6 71.4

99 58.8 53.1 79.7

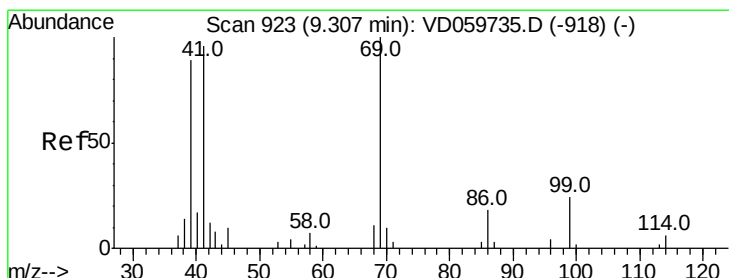
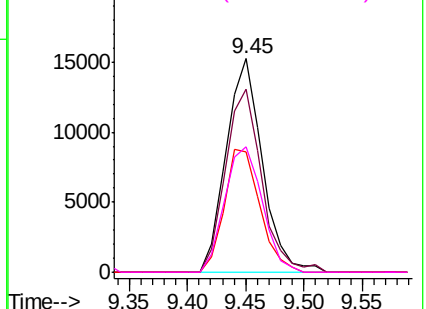
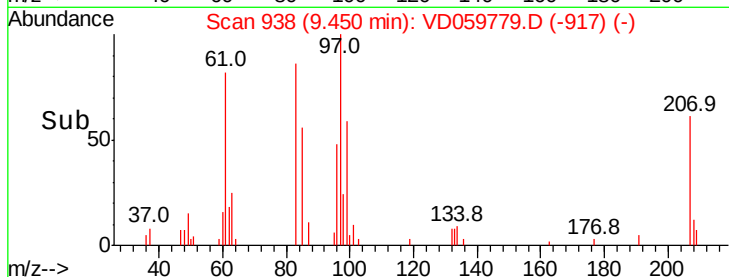


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.225 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

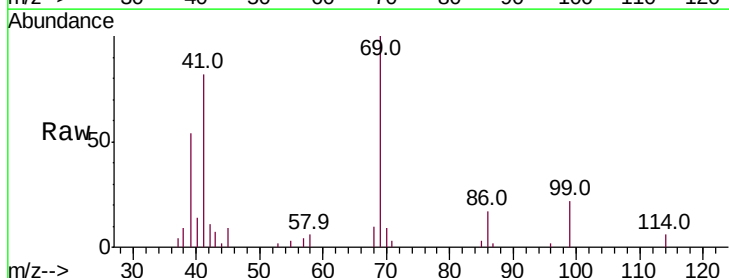
Tgt Ion: 69 Resp: 37898

Ion Ratio Lower Upper

69 100

41 81.5 76.7 115.1

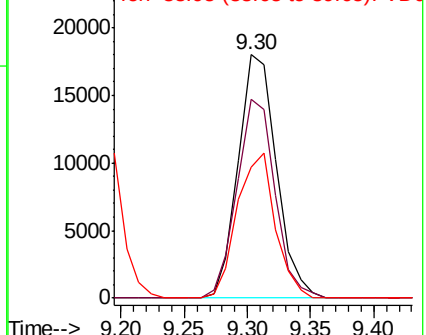
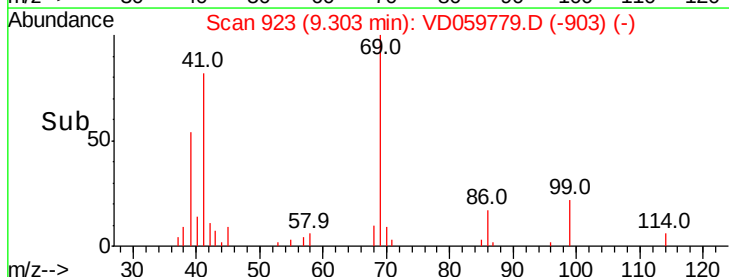
39 53.8 71.0 106.4#

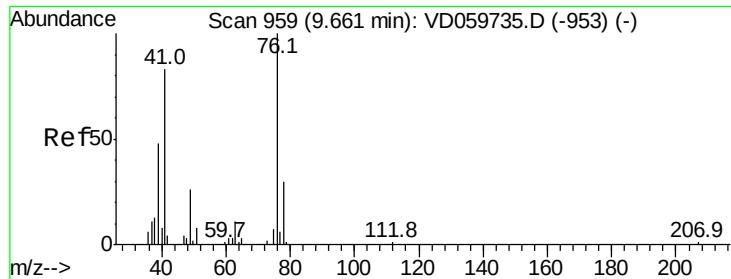


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

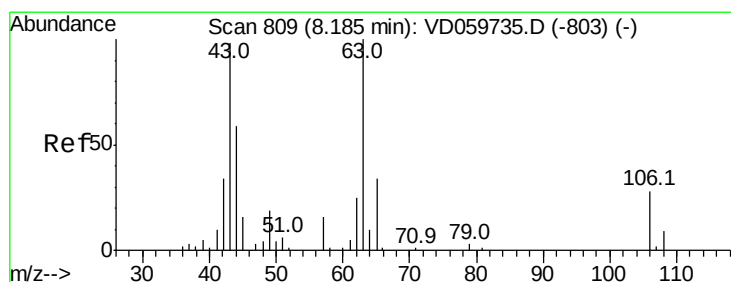
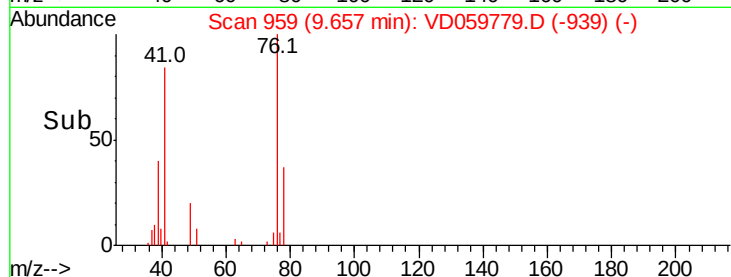
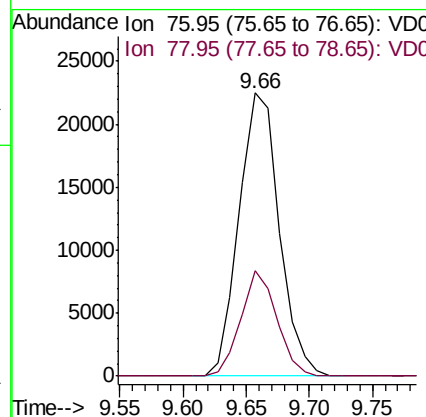
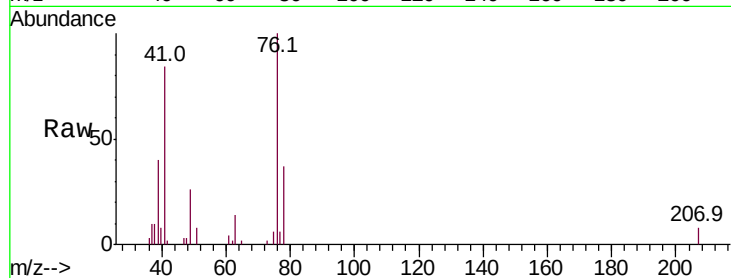




#57
 1,3-Dichloropropane
 Concen: 19.086 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

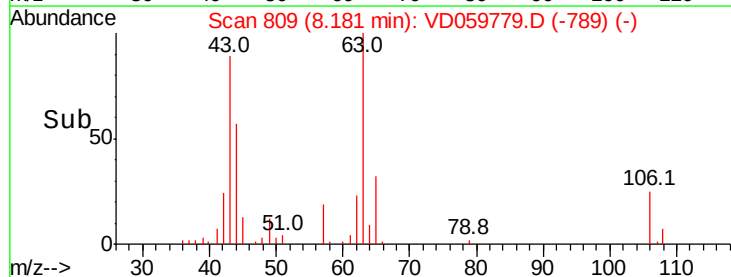
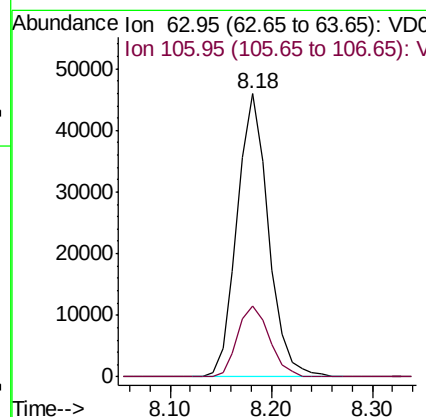
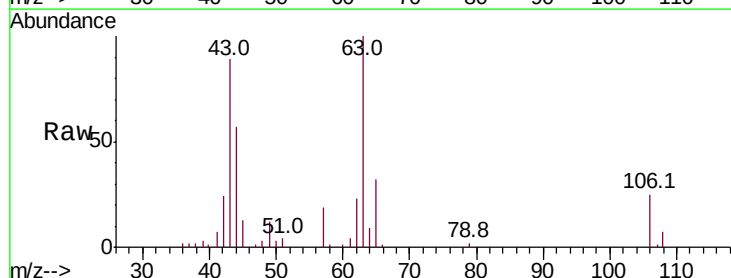
Instrument :
 MSVOA_D
 ClientSampled :

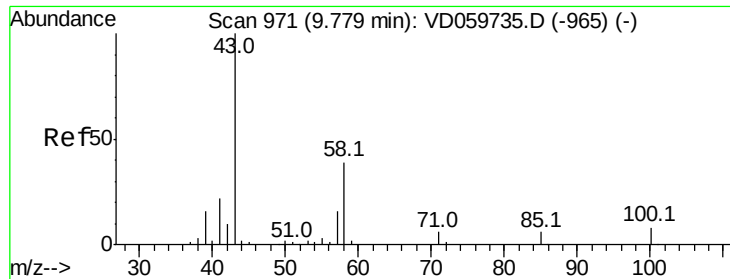
Tot Ion: 76 Resp: 49783
 Ion Ratio Lower Upper
 76 100
 78 37.2 23.8 35.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.026 ug/l
 RT: 8.18 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion: 63 Resp: 99251
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.2 33.2

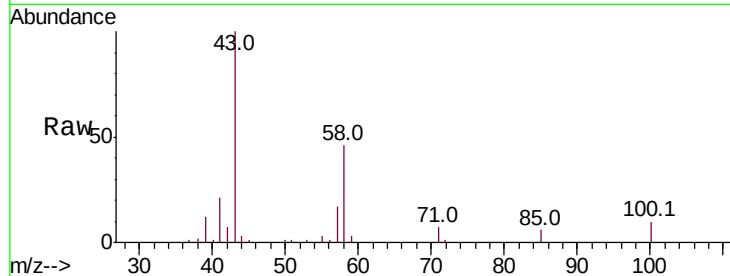




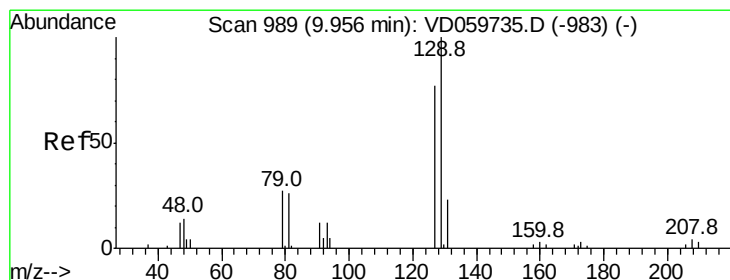
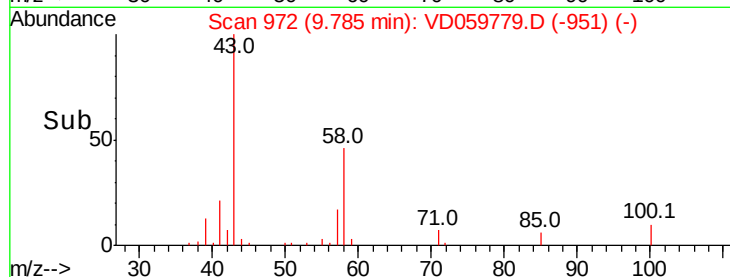
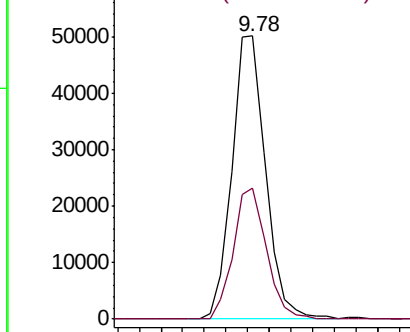
#59
2-Hexanone
Concen: 95.476 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 108206
Ion Ratio Lower Upper
43 100
58 46.2 19.8 59.3

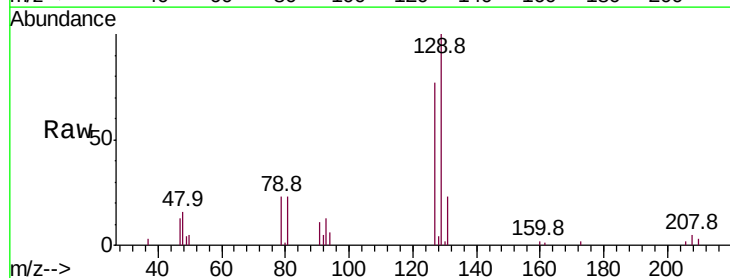


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

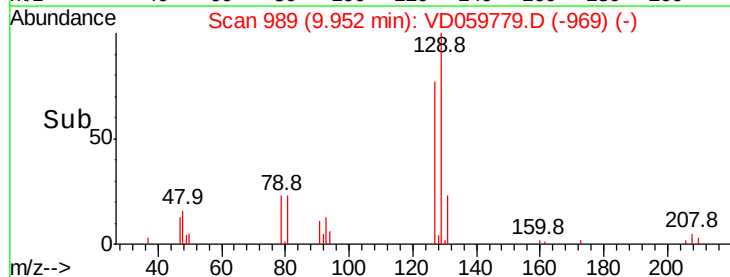
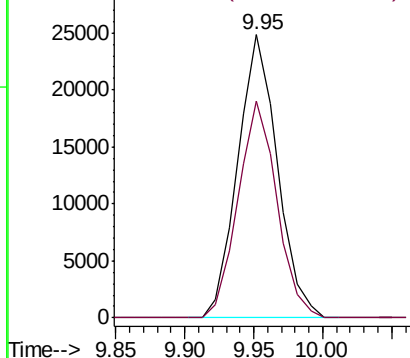


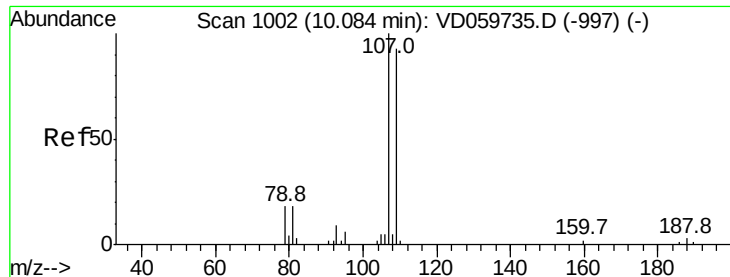
#60
Dibromochloromethane
Concen: 16.471 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 129 Resp: 49790
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 18.612 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

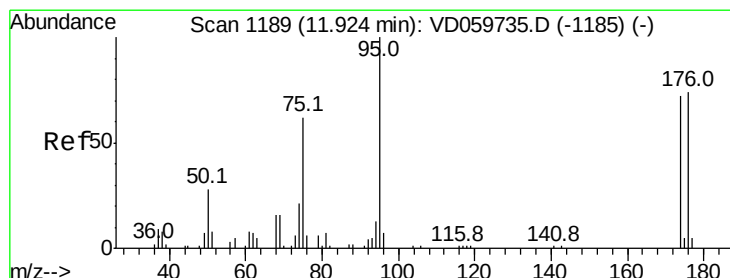
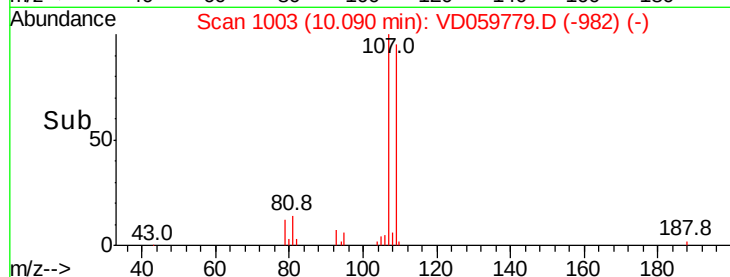
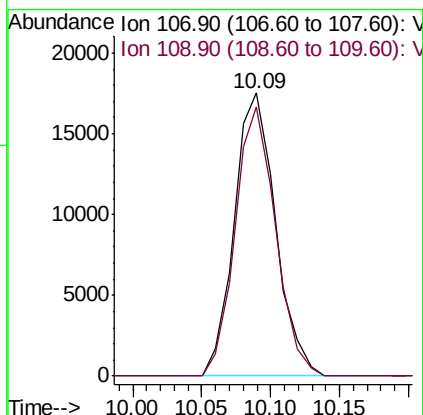
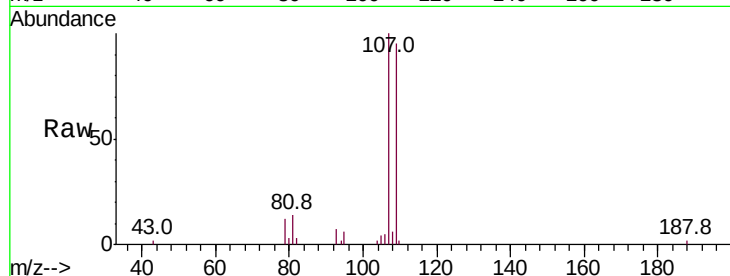
ClientSampleId :

Tot Ion:107 Resp: 36468

Ion Ratio Lower Upper

107 100

109 95.3 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 18.612 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

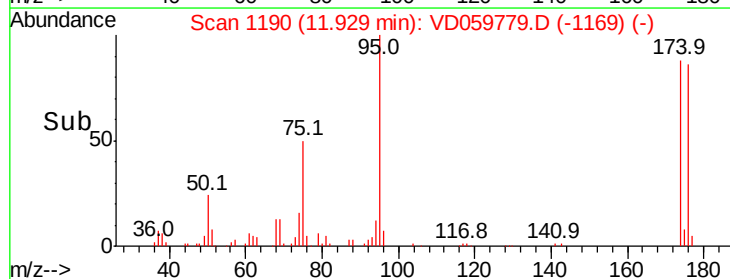
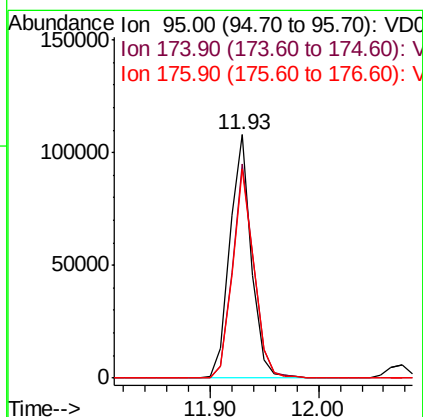
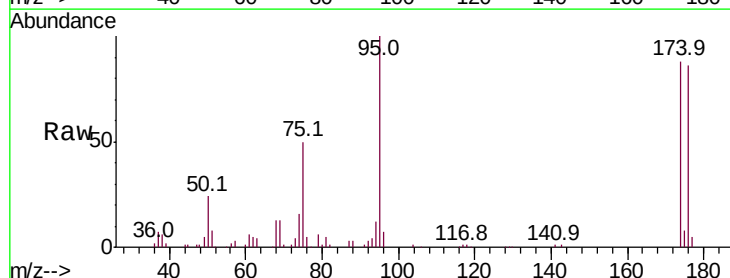
Tgt Ion: 95 Resp: 148982

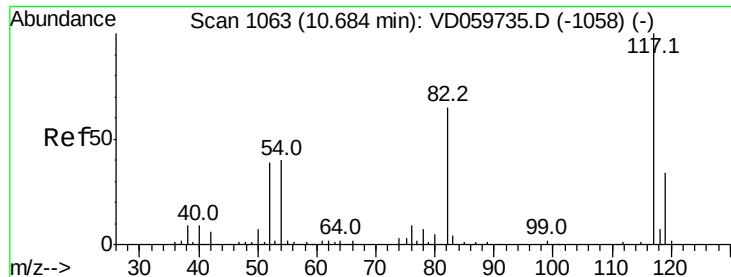
Ion Ratio Lower Upper

95 100

174 87.8 0.0 143.2

176 85.9 0.0 147.2

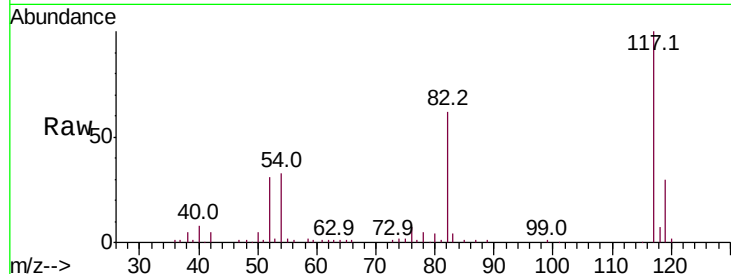




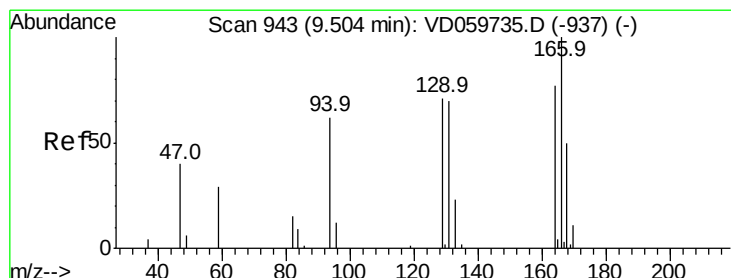
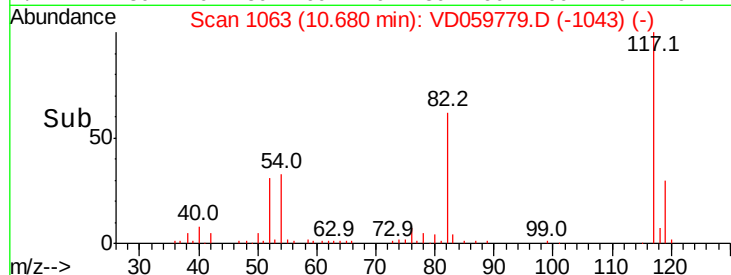
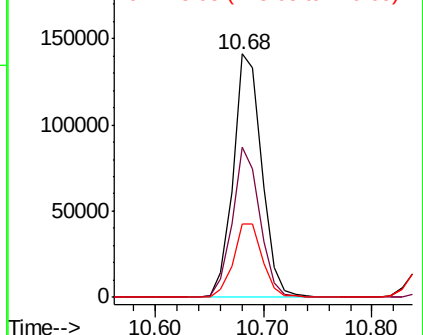
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 258290
Ion Ratio Lower Upper
117 100
82 61.9 51.9 77.9
119 30.1 27.4 41.0

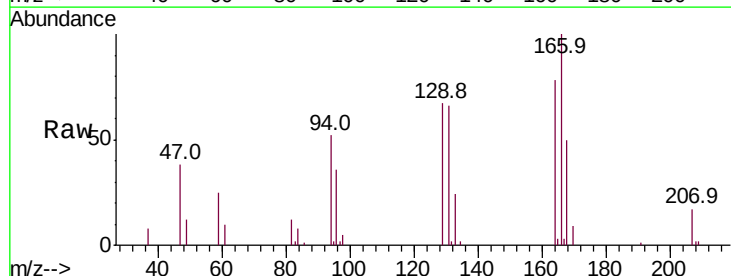


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

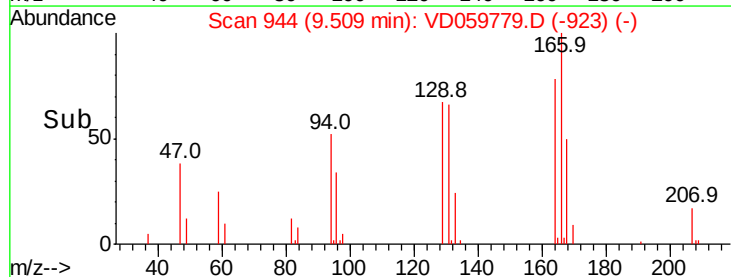
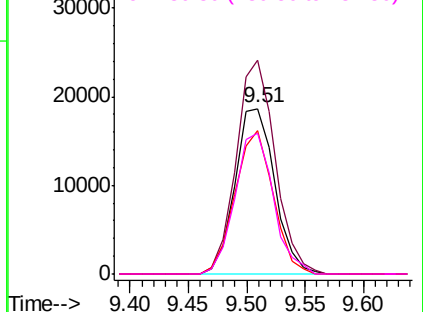


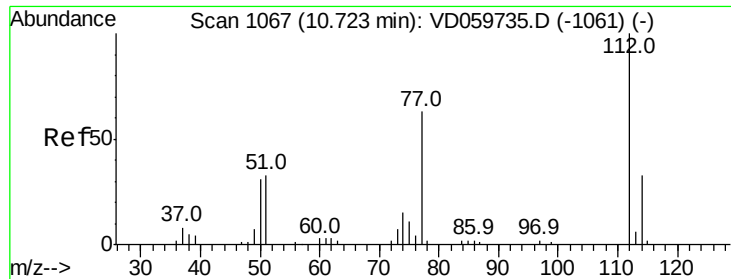
#64
Tetrachloroethene
Concen: 17.368 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion:164 Resp: 44031
Ion Ratio Lower Upper
164 100
166 129.0 103.5 155.3
129 86.4 73.5 110.3
131 84.8 72.3 108.5



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

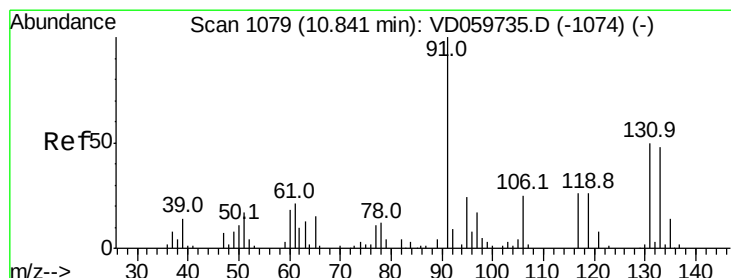
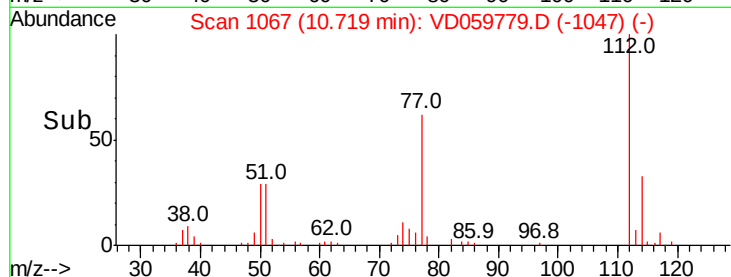
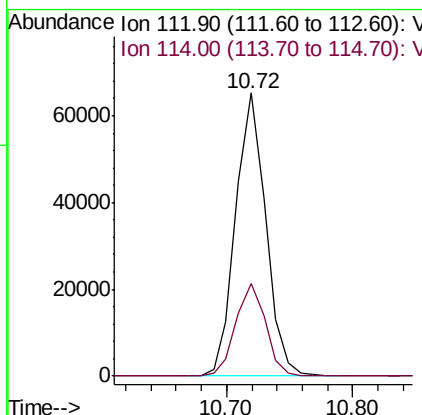
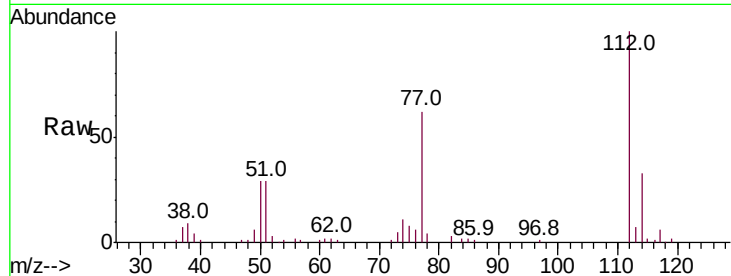




#65
Chlorobenzene
Concen: 20.470 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

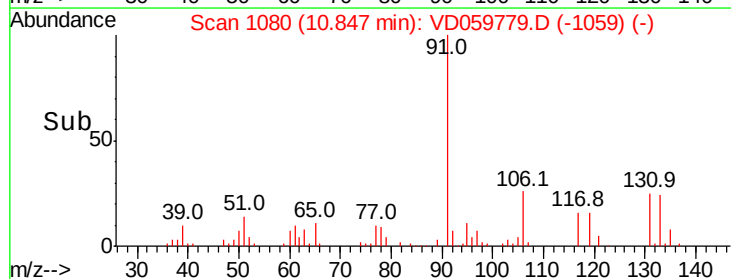
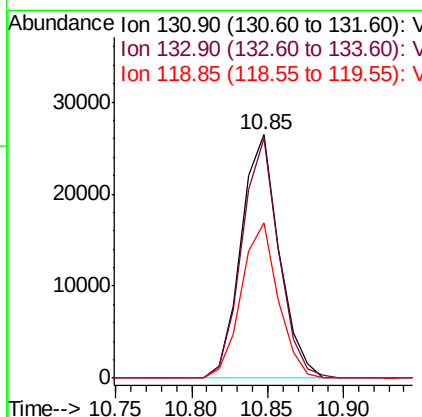
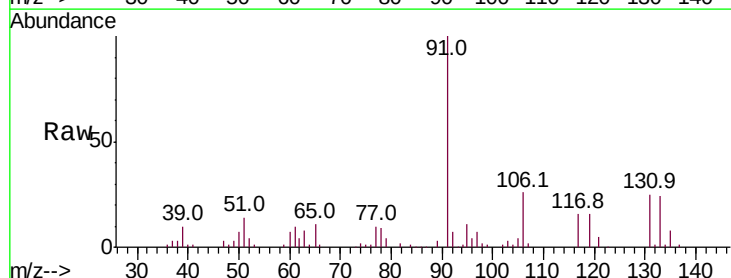
Instrument :
MSVOA_D
ClientSampleId :

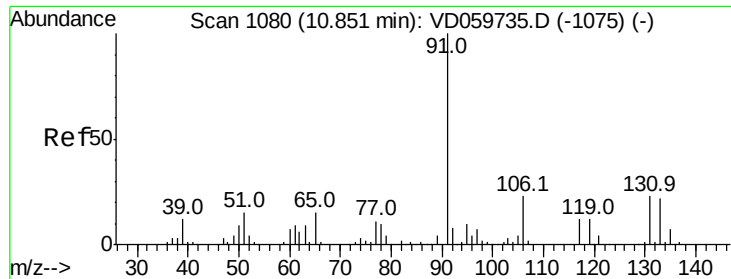
Tot Ion:112 Resp: 107907
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.322 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion:131 Resp: 46250
Ion Ratio Lower Upper
131 100
133 98.5 48.1 144.3
119 63.7 26.2 78.5

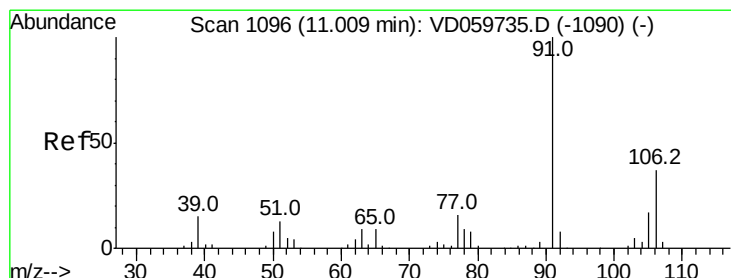
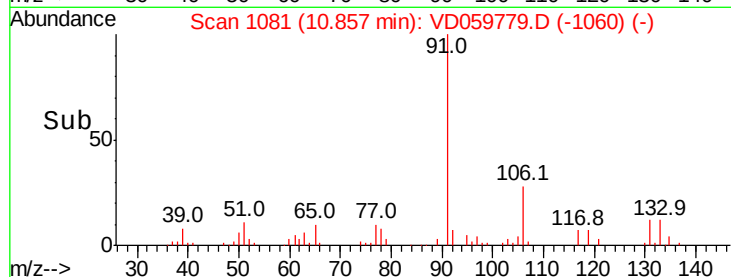
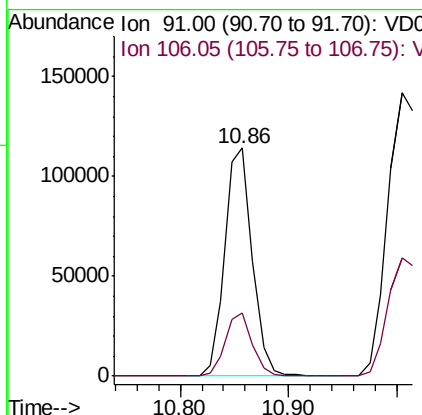
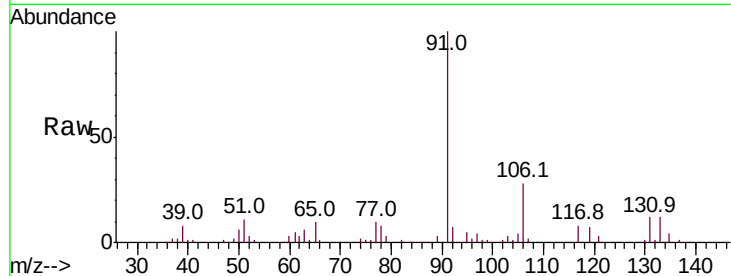




#67
Ethyl Benzene
Concen: 20.429 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

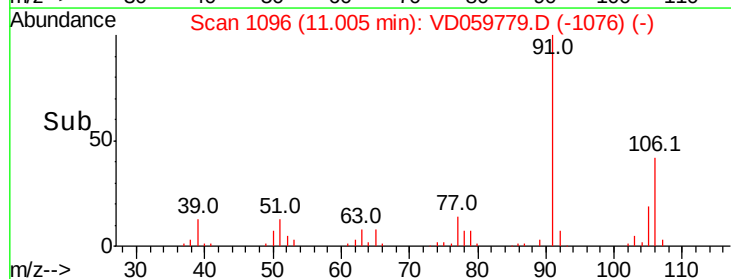
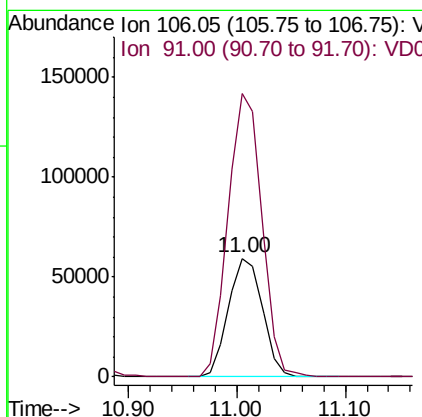
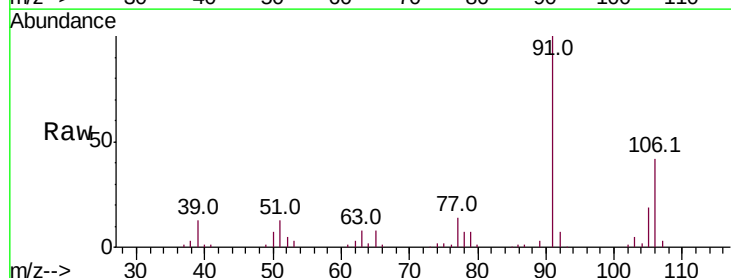
Instrument :
MSVOA_D
ClientSampled :

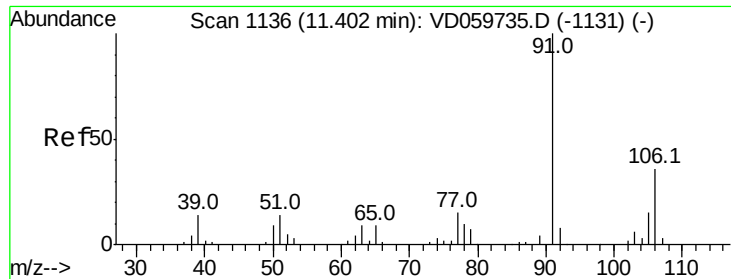
Tot Ion: 91 Resp: 201778
Ion Ratio Lower Upper
91 100
106 27.9 18.8 28.2



#68
m/p-Xylenes
Concen: 41.021 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 106 Resp: 129891
Ion Ratio Lower Upper
106 100
91 239.3 213.8 320.8

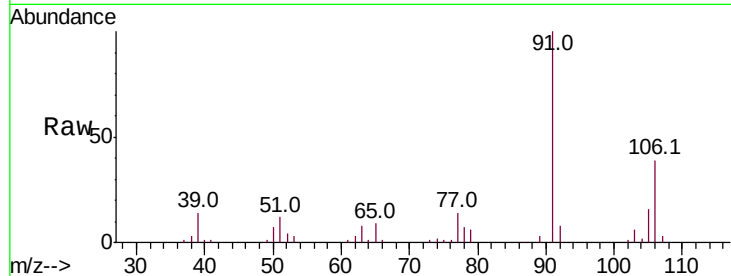




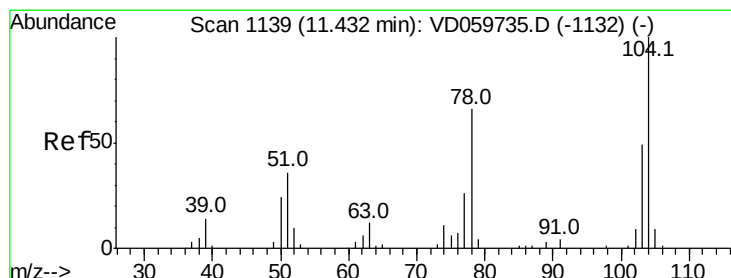
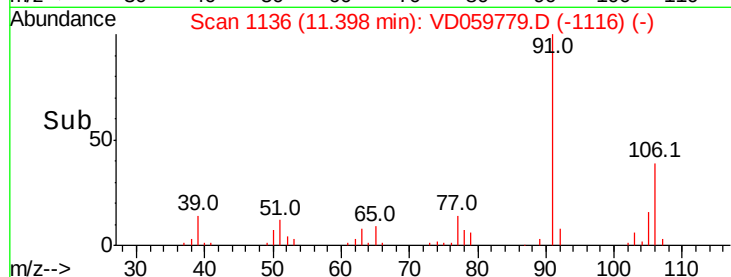
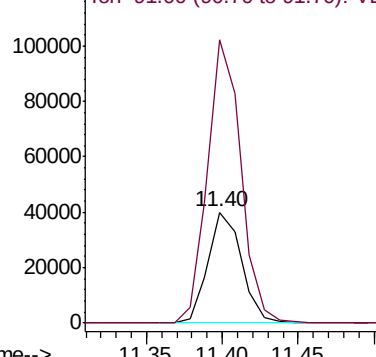
#69
o-Xylene
Concen: 20.100 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 61888
Ion Ratio Lower Upper
106 100
91 254.6 139.8 419.4

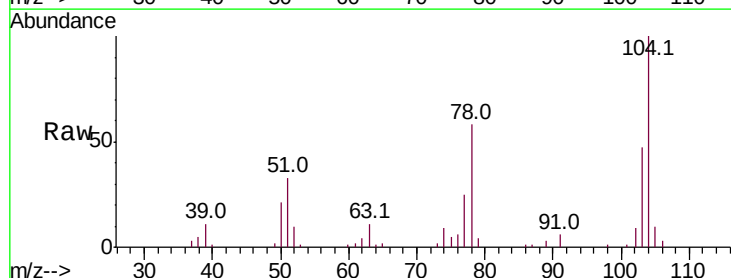


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

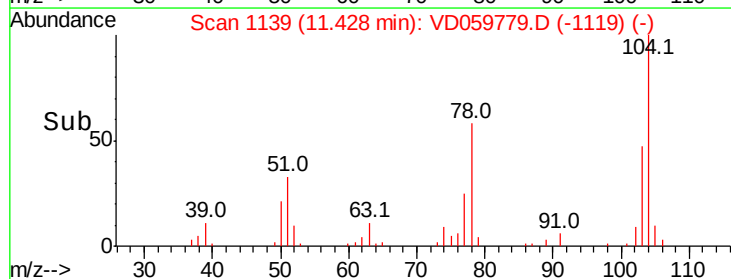
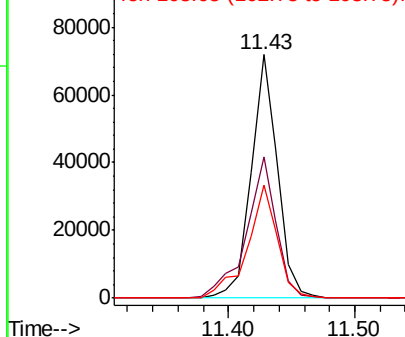


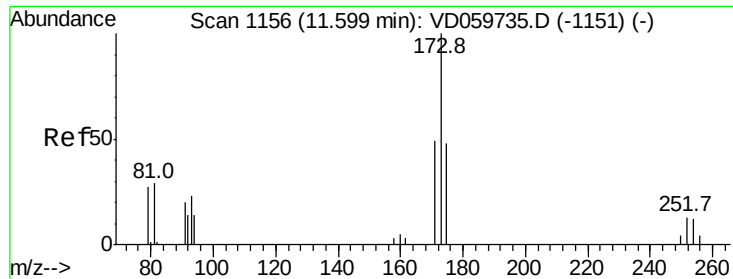
#70
Styrene
Concen: 20.561 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion:104 Resp: 103682
Ion Ratio Lower Upper
104 100
78 58.1 52.8 79.2
103 46.6 39.1 58.7



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





#71

Bromoform

Concen: 16.324 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

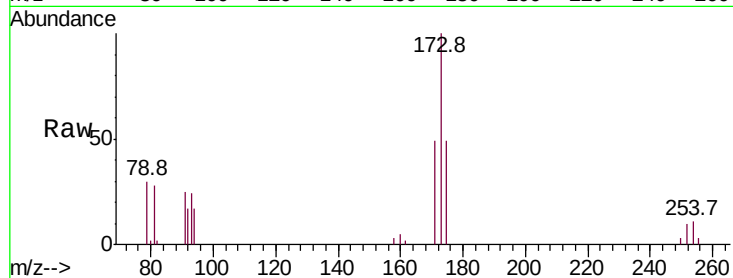
Tot Ion:173 Resp: 32965

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

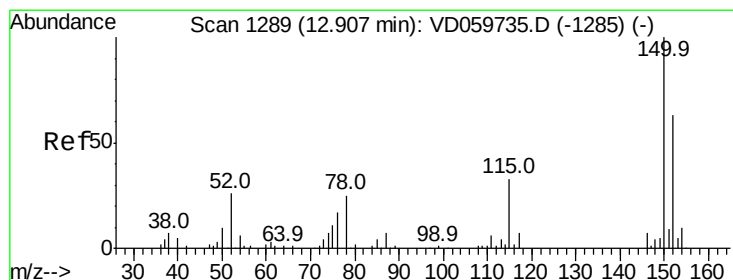
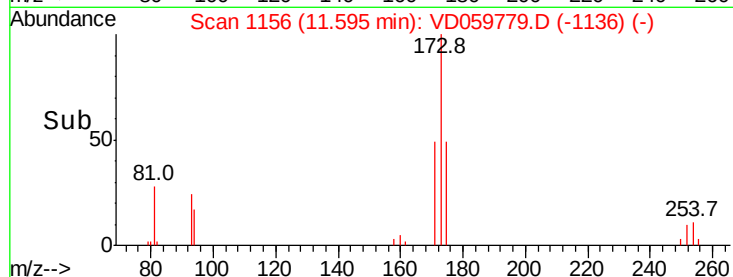
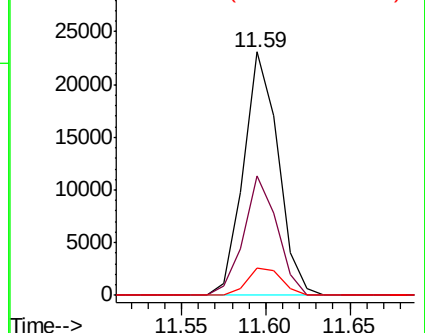
254 11.0 9.3 13.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

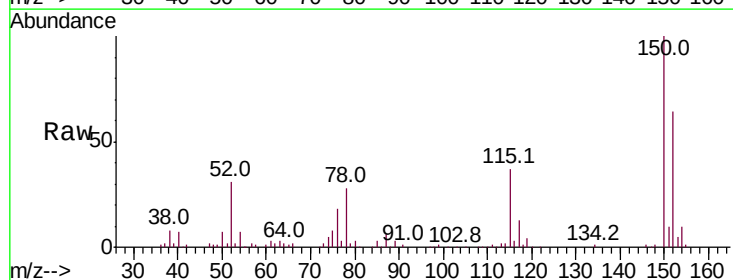
Tgt Ion:152 Resp: 142998

Ion Ratio Lower Upper

152 100

115 57.6 29.8 89.3

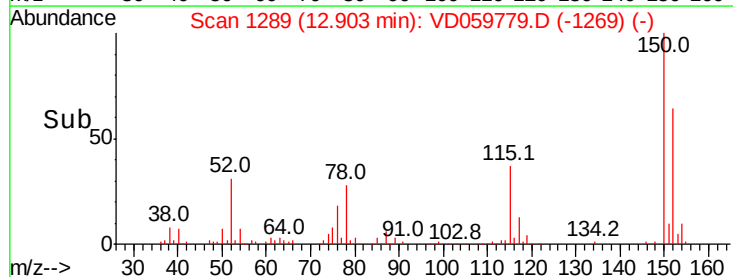
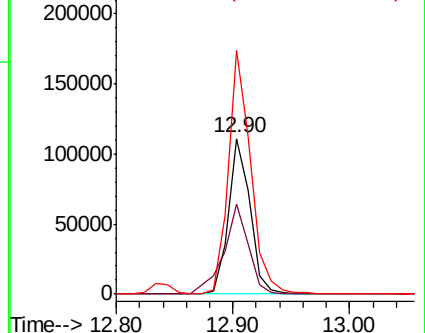
150 156.2 0.0 320.4

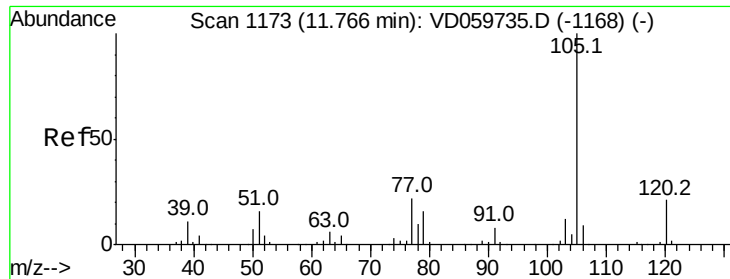


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.907 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

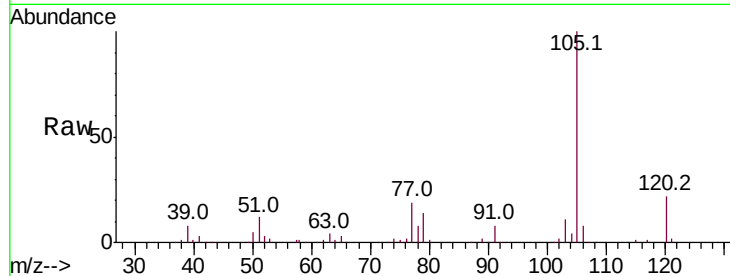
ClientSampled :

Tot Ion:105 Resp: 183683

Ion Ratio Lower Upper

105 100

120 21.8 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

150000

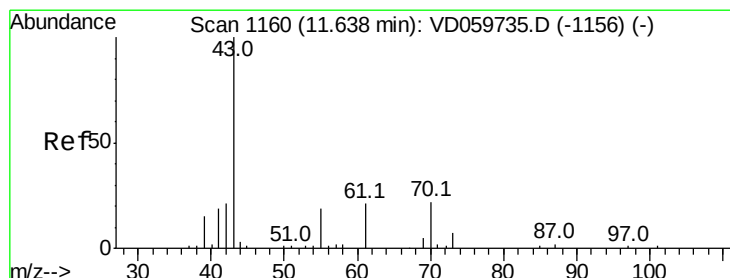
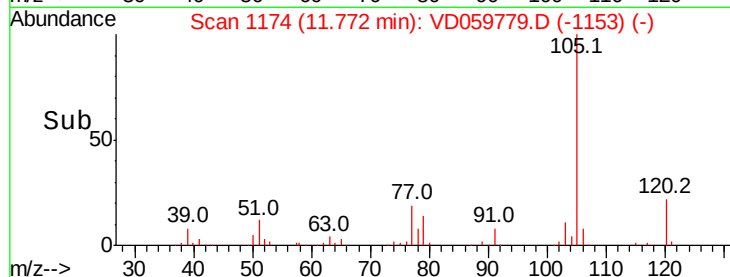
100000

50000

0

Time-->

11.70 11.80



#74

N-ethyl acetate

Concen: 21.732 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Tgt Ion: 43 Resp: 60526

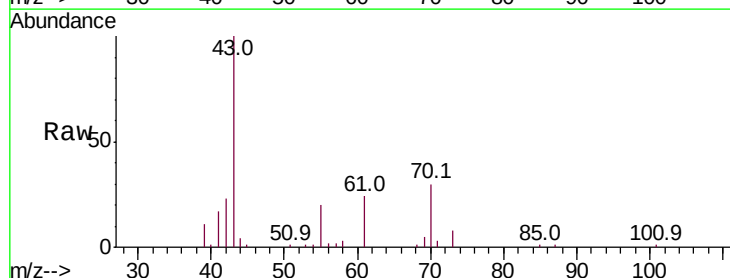
Ion Ratio Lower Upper

43 100

70 30.1 18.0 27.0#

55 19.7 14.8 22.2

61 24.0 17.1 25.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.64

60000

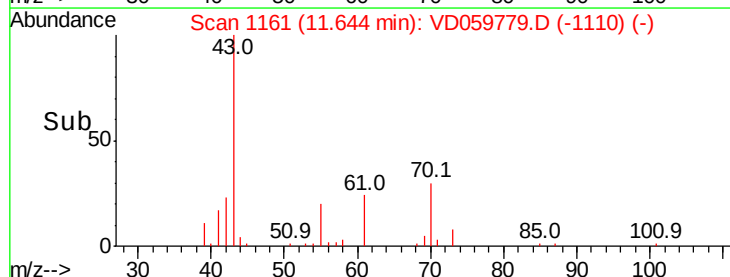
40000

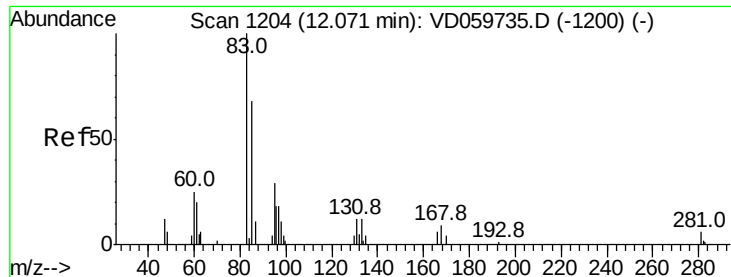
20000

0

Time-->

11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 22.494 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

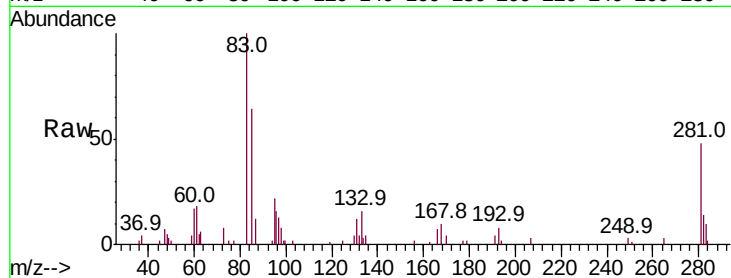
Tot Ion: 83 Resp: 39871

Ion Ratio Lower Upper

83 100

131 11.7 6.3 19.1

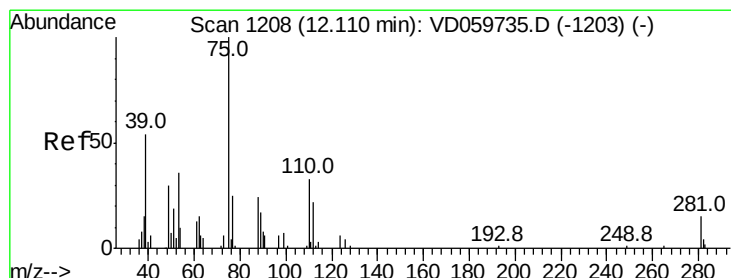
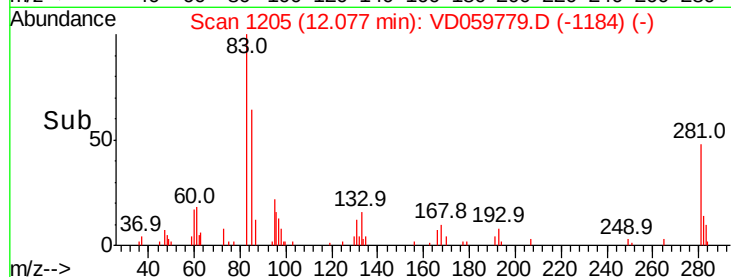
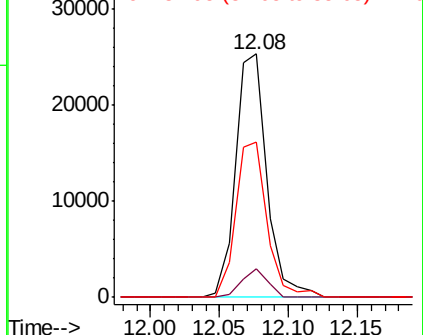
85 63.9 34.2 102.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.192 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059779.D

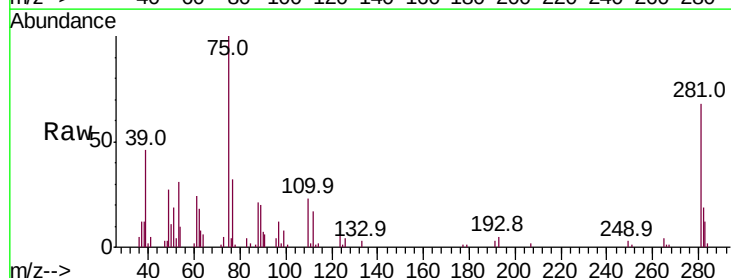
Acq: 14 Aug 2018 21:05

Tgt Ion: 75 Resp: 44828

Ion Ratio Lower Upper

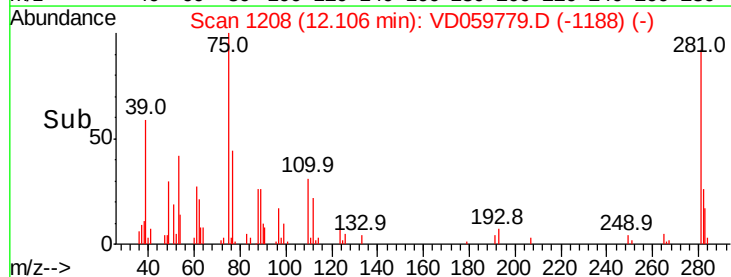
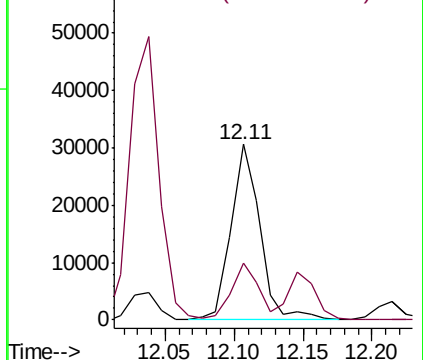
75 100

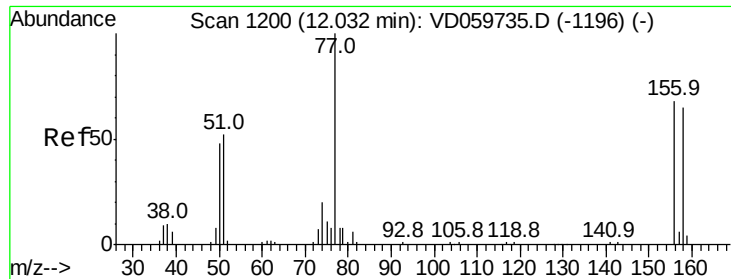
77 32.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

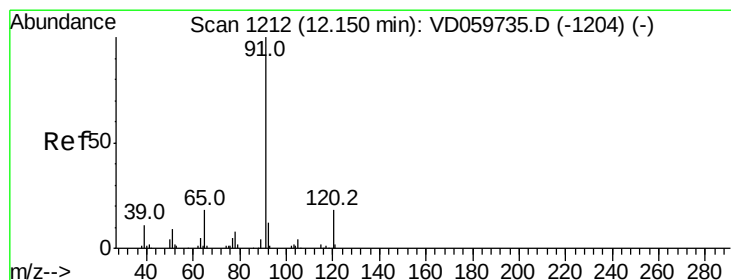
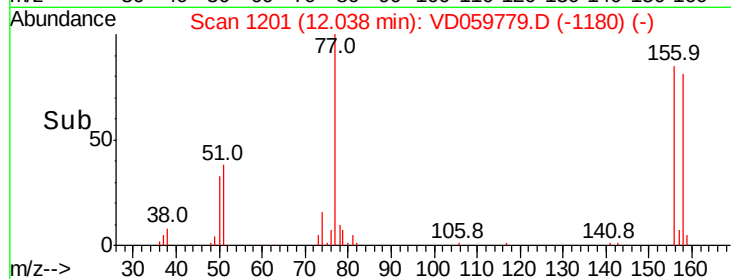
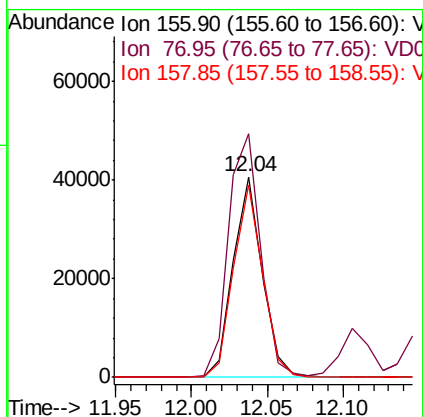
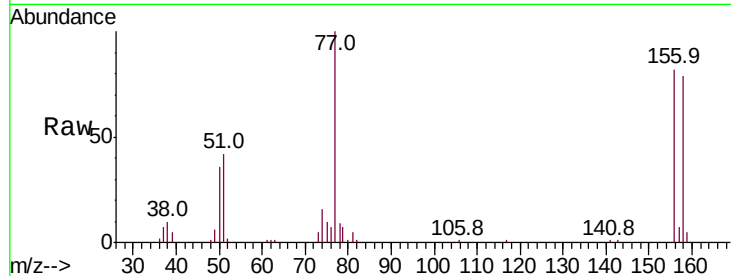




#77
Bromobenzene
Concen: 19.093 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

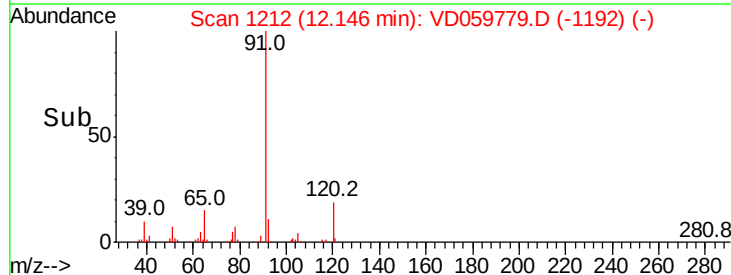
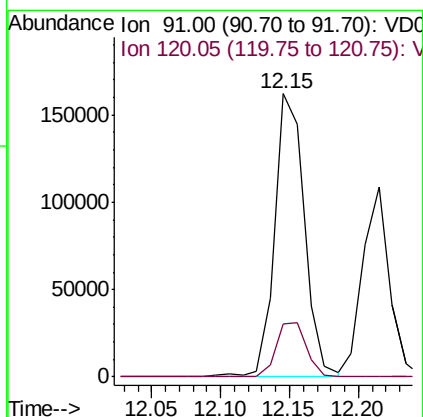
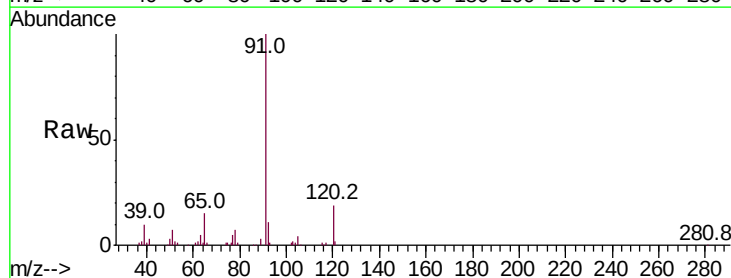
Instrument :
MSVOA_D
ClientSampleId :

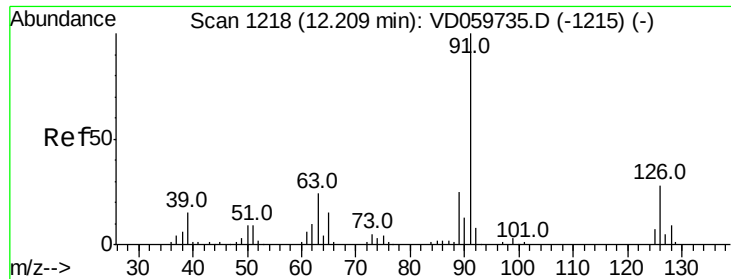
Tot Ion:156 Resp: 54172
Ion Ratio Lower Upper
156 100
77 121.5 73.3 219.8
158 96.0 47.5 142.5



#78
n-propylbenzene
Concen: 20.399 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion: 91 Resp: 240750
Ion Ratio Lower Upper
91 100
120 18.7 8.9 26.7

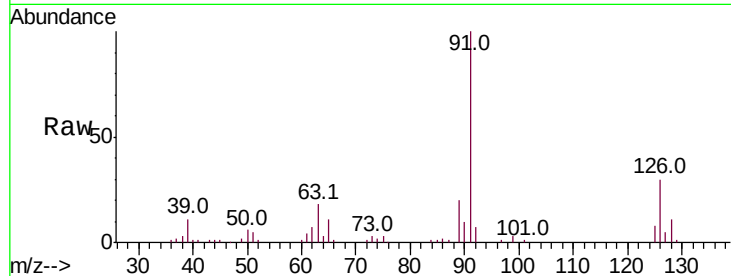




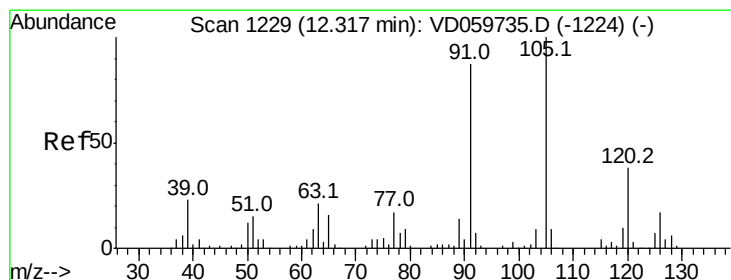
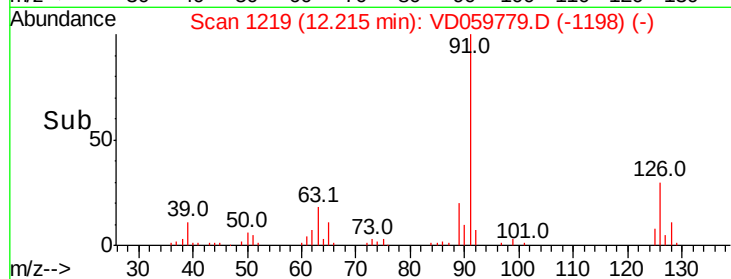
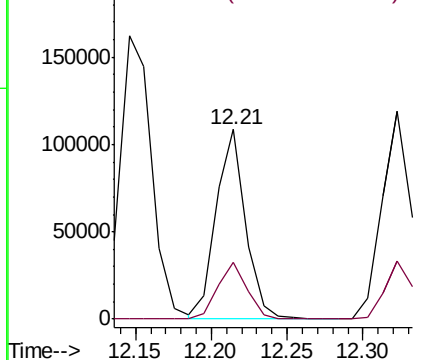
#79
 2-Chlorotoluene
 Concen: 19.614 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 146573
 Ion Ratio Lower Upper
 91 100
 126 30.1 13.3 39.9

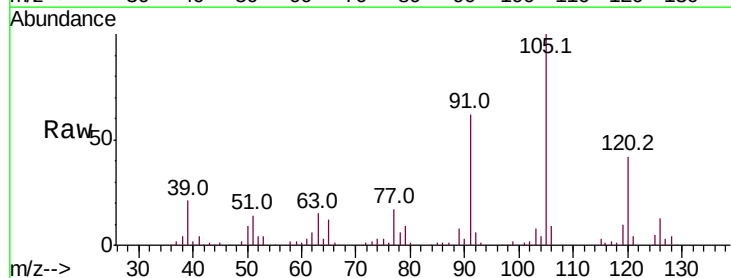


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

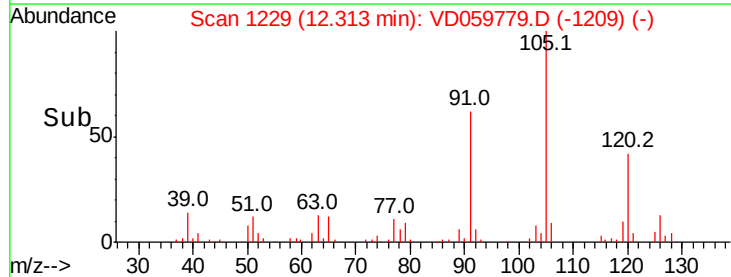
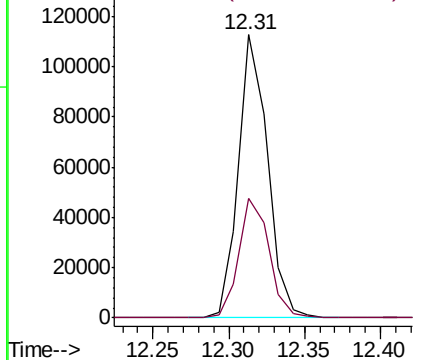


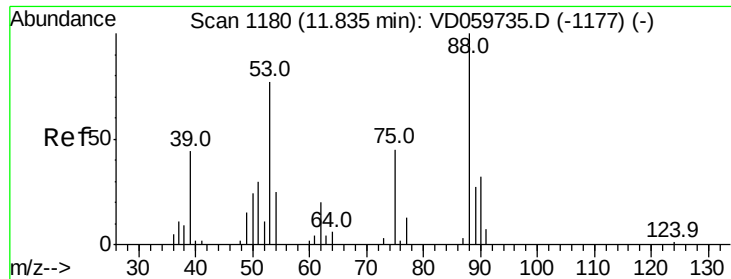
#80
 1,3,5-Trimethylbenzene
 Concen: 17.893 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion:105 Resp: 150599
 Ion Ratio Lower Upper
 105 100
 120 42.4 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.202 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

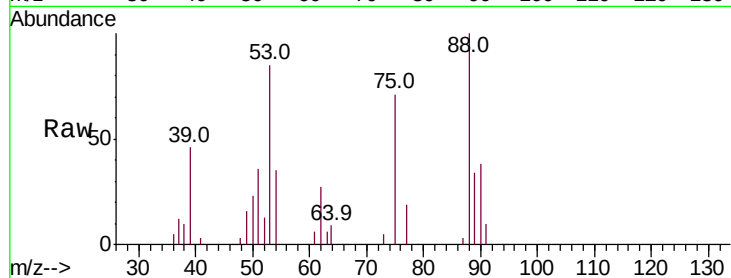
Tot Ion: 75 Resp: 10578

Ion Ratio Lower Upper

75 100

53 119.5 137.5 206.3#

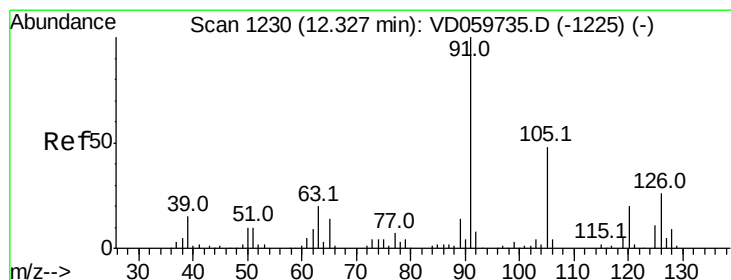
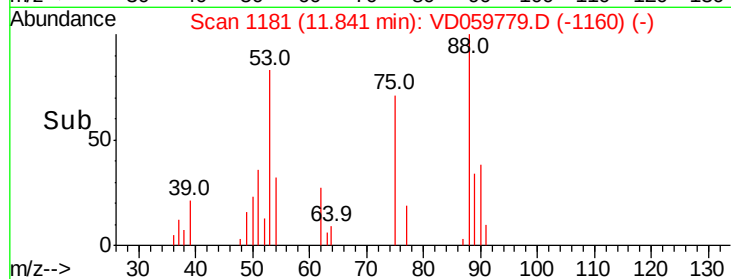
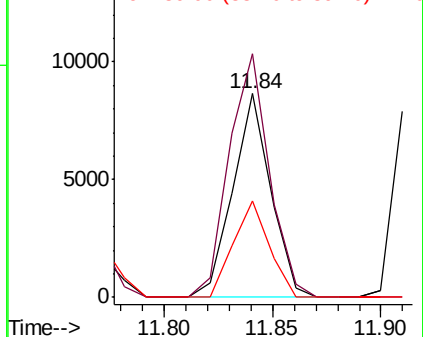
89 47.3 48.3 72.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.282 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059779.D

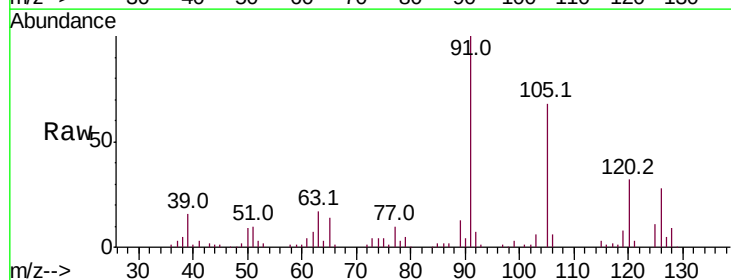
Acq: 14 Aug 2018 21:05

Tgt Ion: 91 Resp: 161056

Ion Ratio Lower Upper

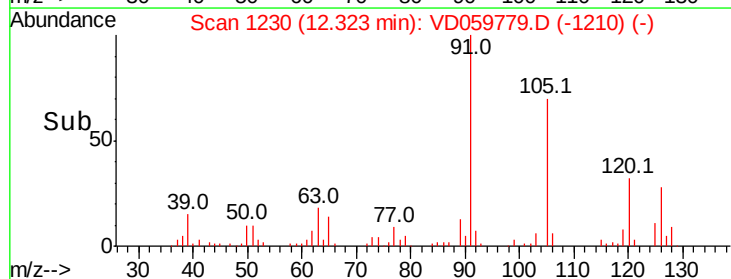
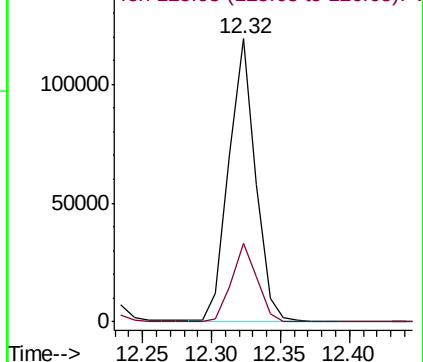
91 100

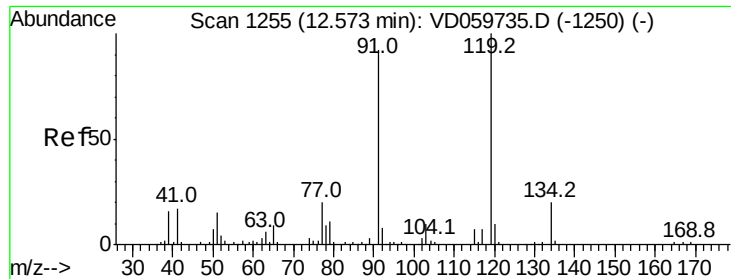
126 27.6 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 18.896 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

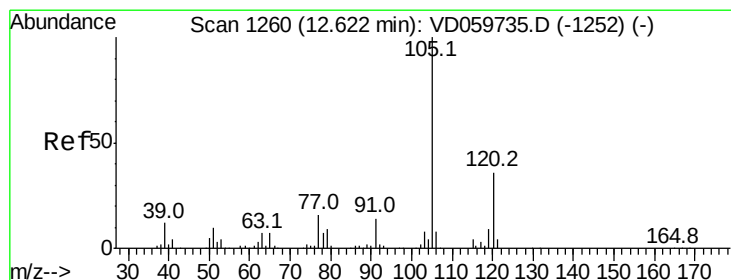
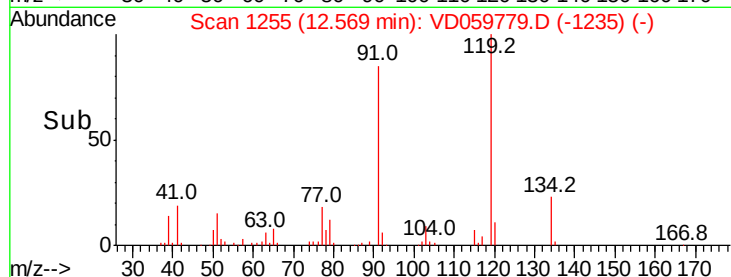
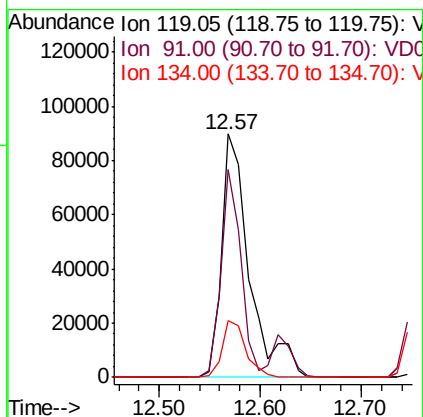
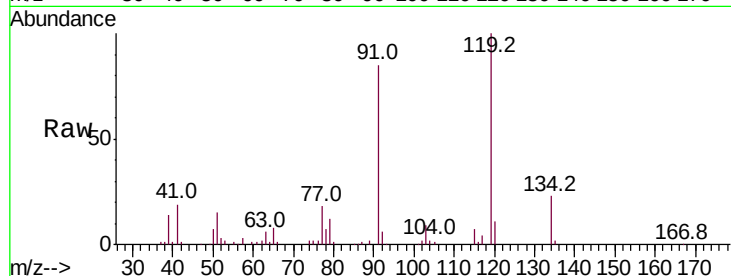
Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 172980

Ion	Ratio	Lower	Upper
119	100		
91	85.3	46.1	138.2
134	23.2	9.9	29.7



#84

1,2,4-Trimethylbenzene

Concen: 18.948 ug/l

RT: 12.62 min Scan# 1260

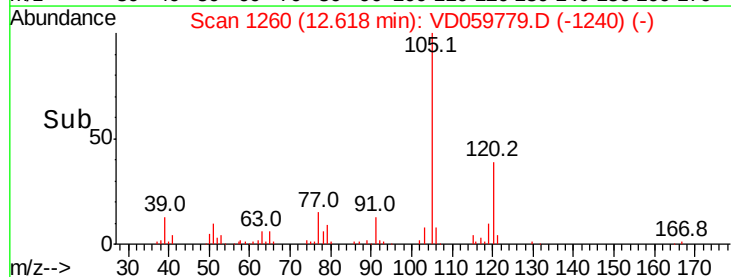
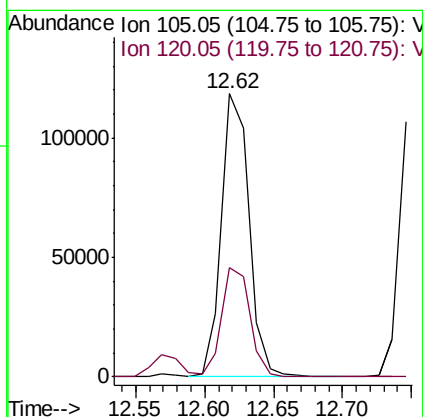
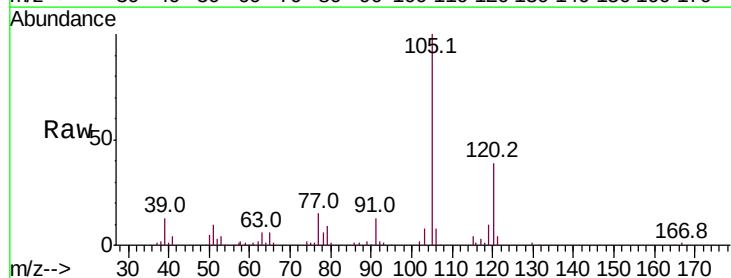
Delta R.T. -0.00 min

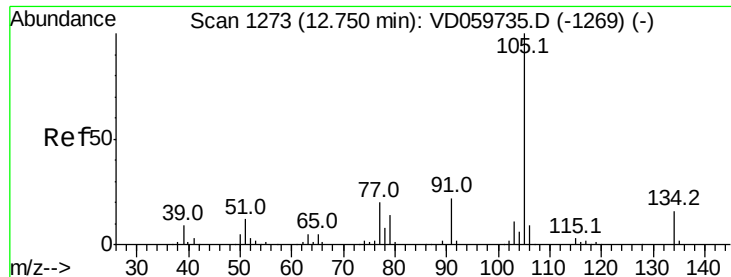
Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Tgt Ion:105 Resp: 164565

Ion	Ratio	Lower	Upper
105	100		
120	38.7	17.9	53.7





#85

sec-Butylbenzene

Concen: 18.291 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

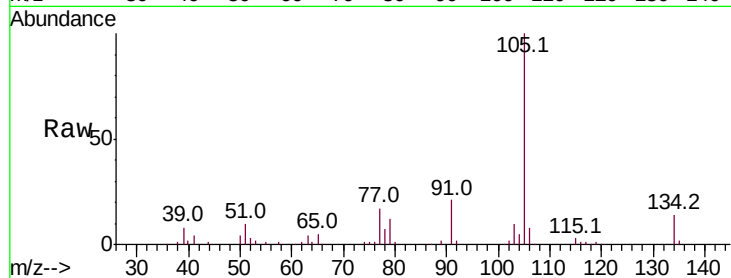
ClientSampled :

Tot Ion:105 Resp: 177998

Ion Ratio Lower Upper

105 100

134 13.8 7.8 23.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.76

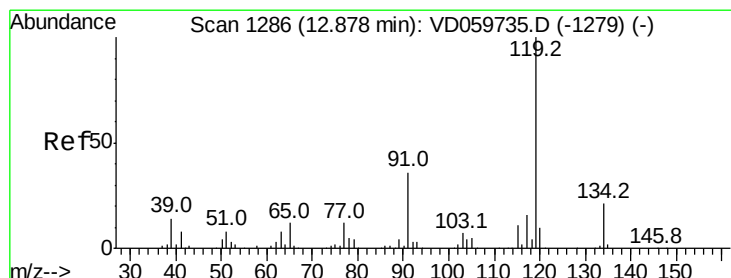
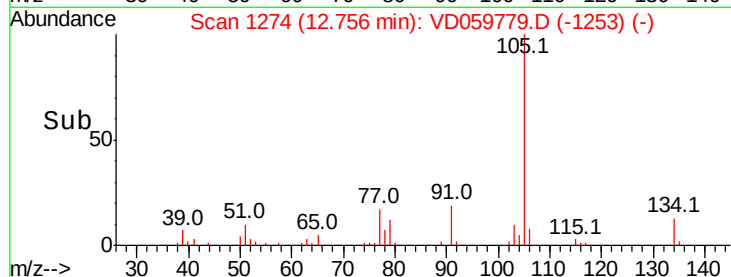
100000

50000

0

Time-->

12.70 12.80



#86

p-Isopropyltoluene

Concen: 18.477 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

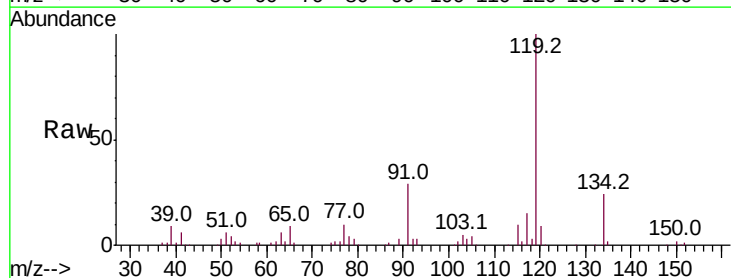
Tgt Ion:119 Resp: 162032

Ion Ratio Lower Upper

119 100

134 23.7 10.5 31.6

91 29.3 17.9 53.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

150000

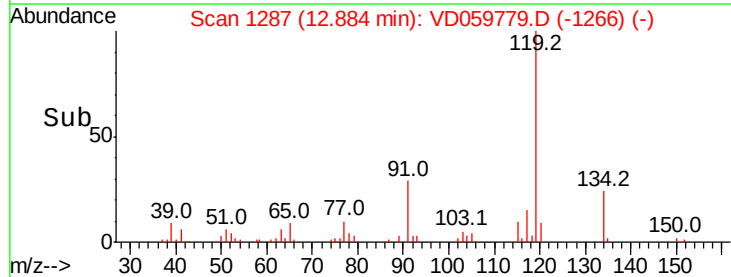
100000

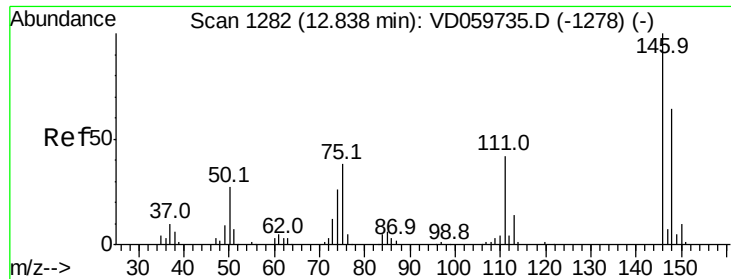
50000

0

Time-->

12.80 12.90 13.00

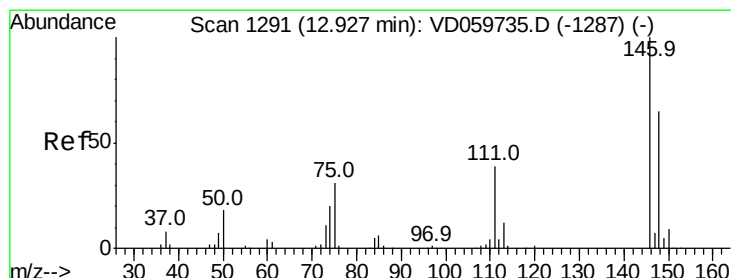
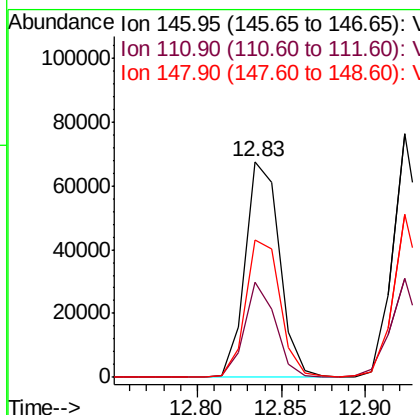
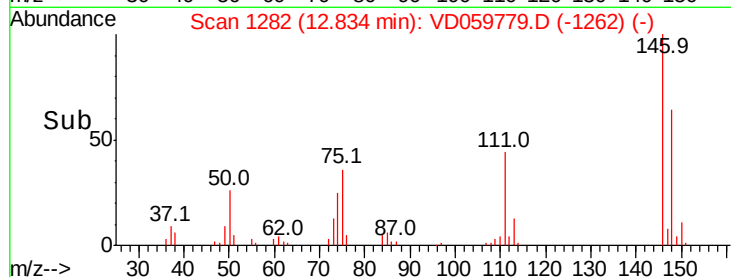
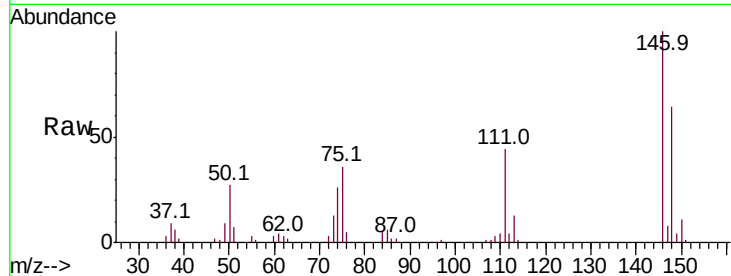




#87
 1,3-Dichlorobenzene
 Concen: 19.908 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

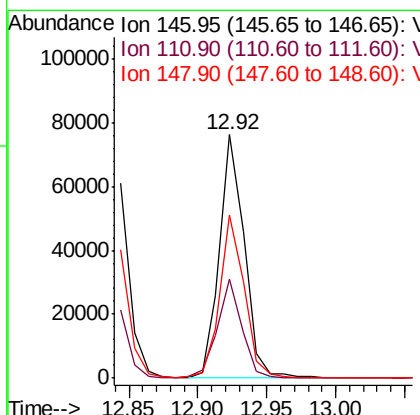
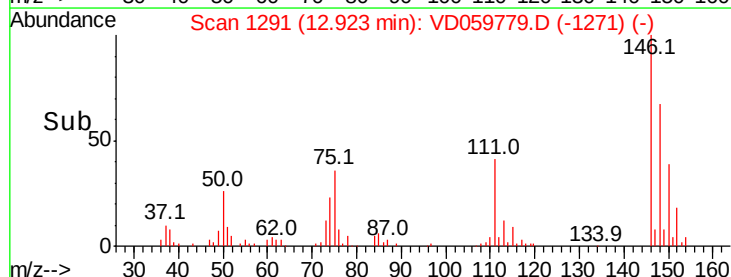
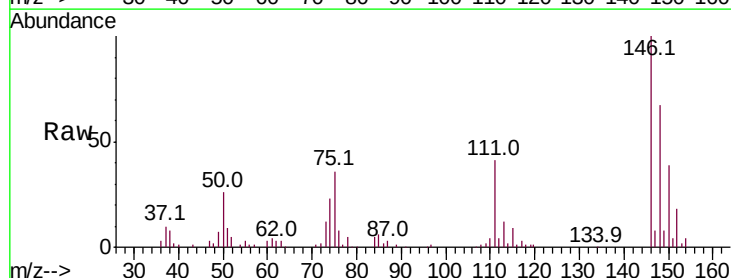
Instrument :
 MSVOA_D
 ClientSampled :

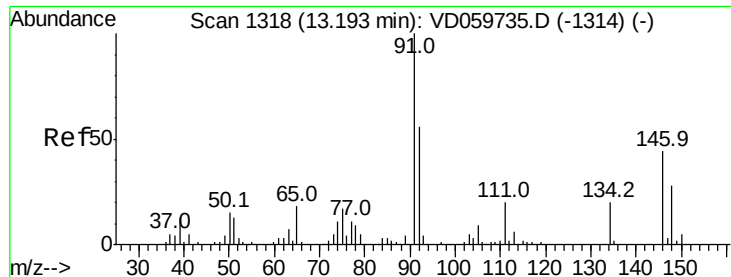
Tot Ion:146 Resp: 95633
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.1 63.3
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion:146 Resp: 94898
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.7 59.0
 148 66.8 32.4 97.2

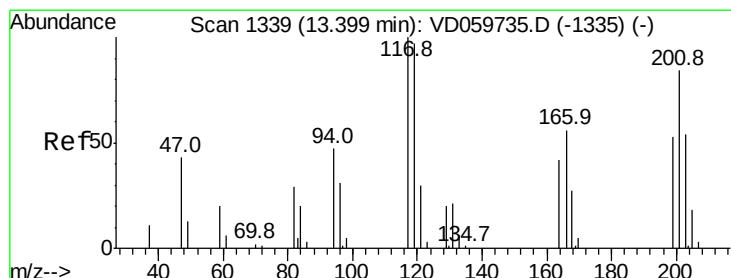
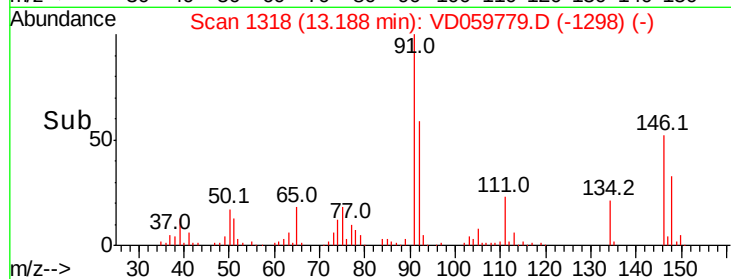
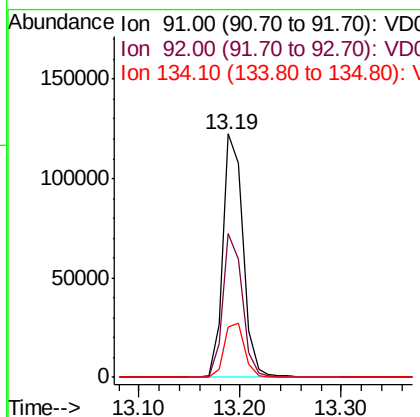
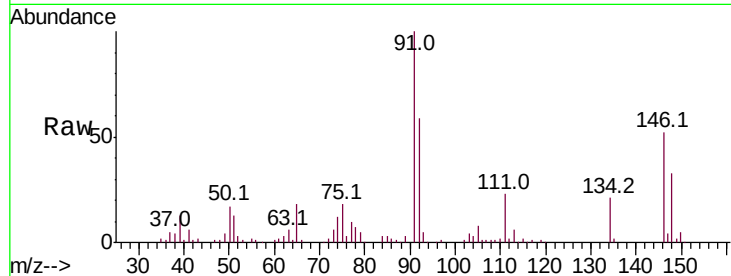




#89
n-Butylbenzene
Concen: 19.644 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

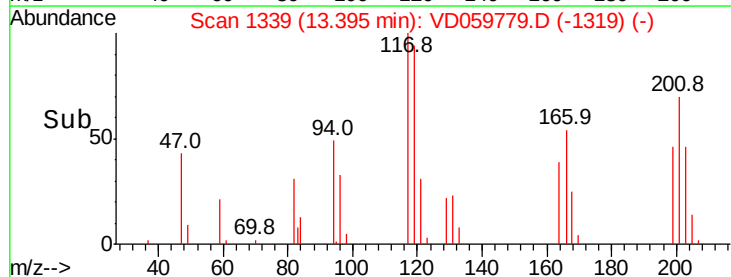
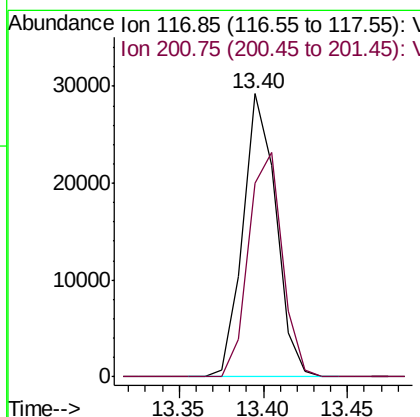
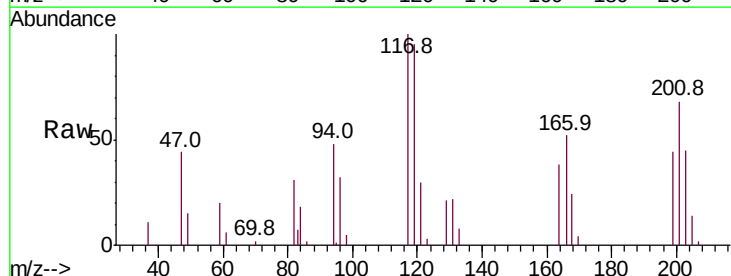
Instrument :
MSVOA_D
ClientSampleId :

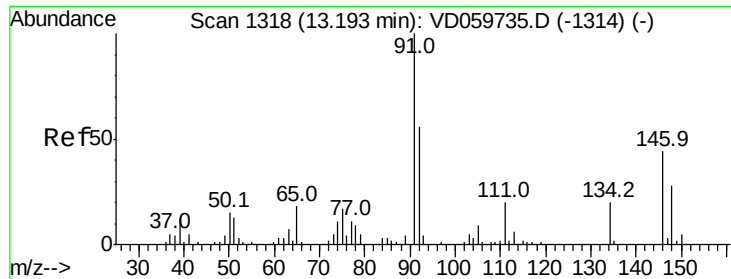
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	28.1	84.4
134	20.8	10.3	30.8



#90
Hexachloroethane
Concen: 17.470 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	41.9	125.7





#91

1,2-Dichlorobenzene

Concen: 20.133 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059779.D

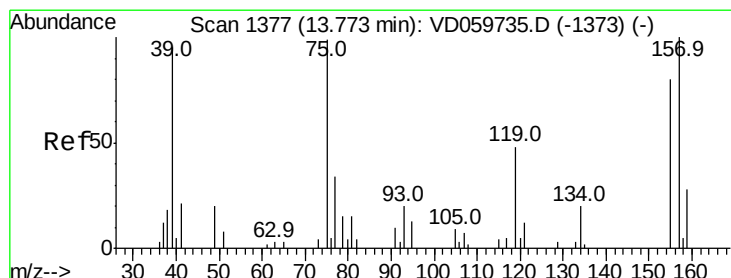
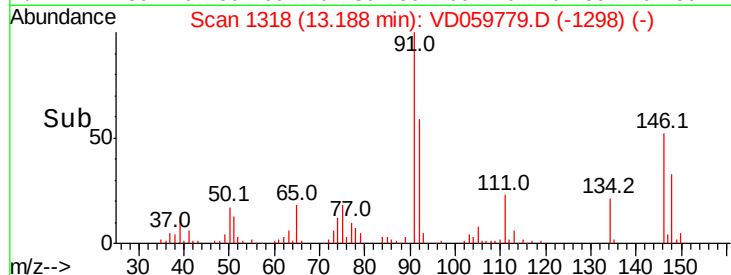
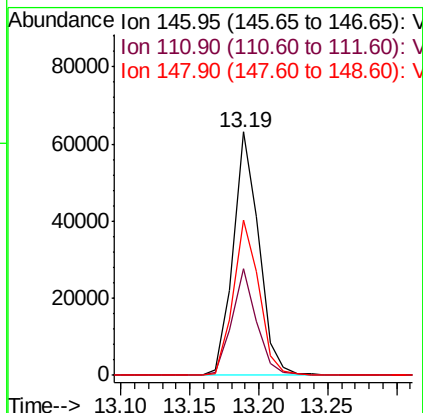
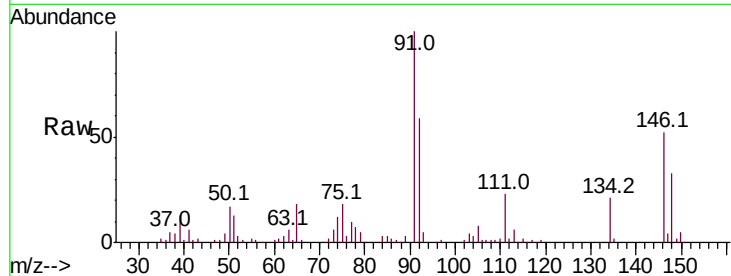
Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	82167
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.9	68.5
148	63.9	31.8	95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.081 ug/l

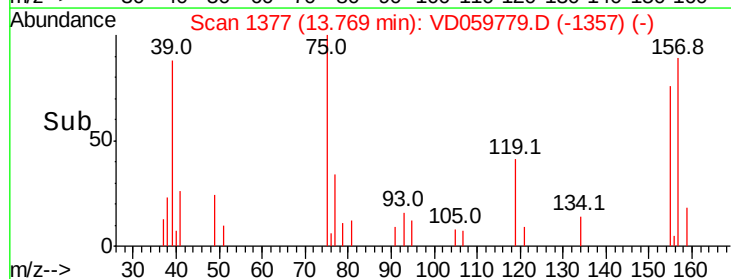
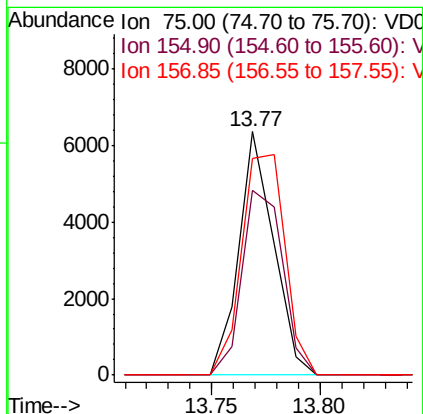
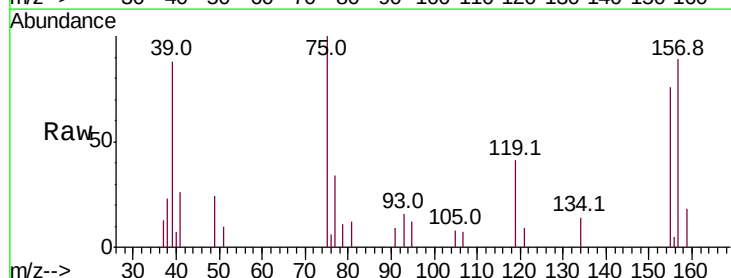
RT: 13.77 min Scan# 1377

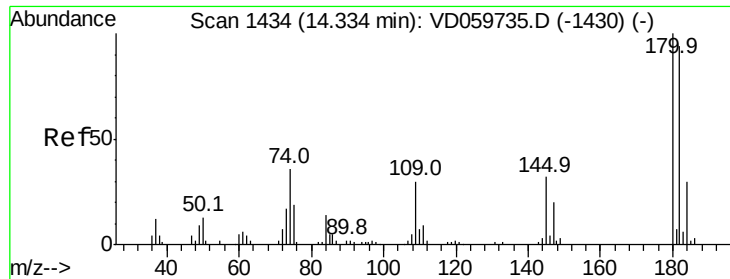
Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Tgt Ion:	75	Resp:	7101
Ion	Ratio	Lower	Upper
75	100		
155	76.1	40.4	121.1
157	88.9	50.5	151.6

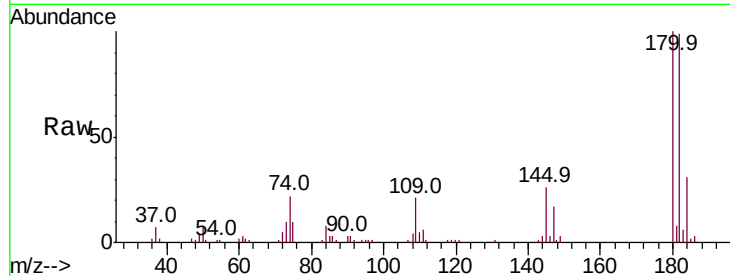




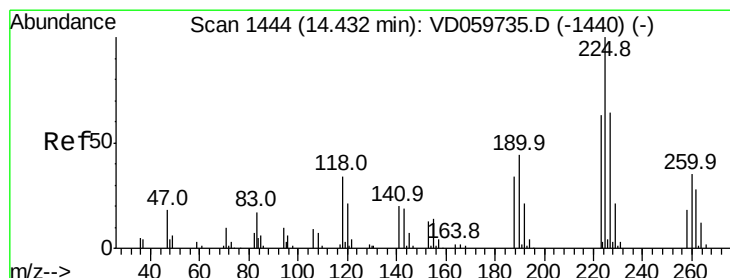
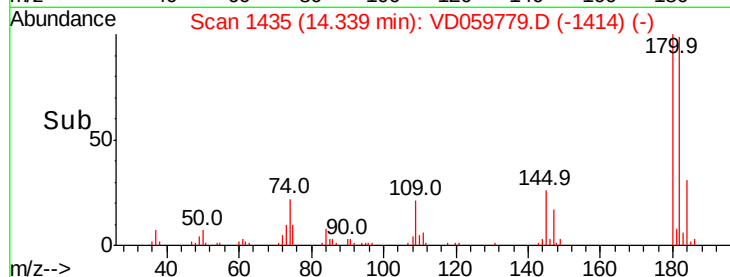
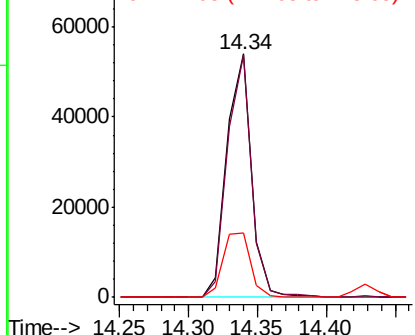
#93
 1,2,4-Trichlorobenzene
 Concen: 17.236 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 66785
 Ion Ratio Lower Upper
 180 100
 182 99.4 47.1 141.4
 145 26.5 15.8 47.3

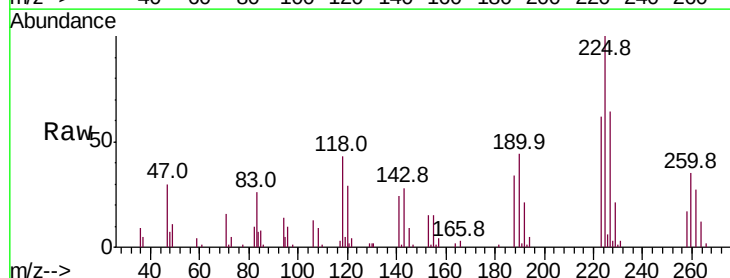


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

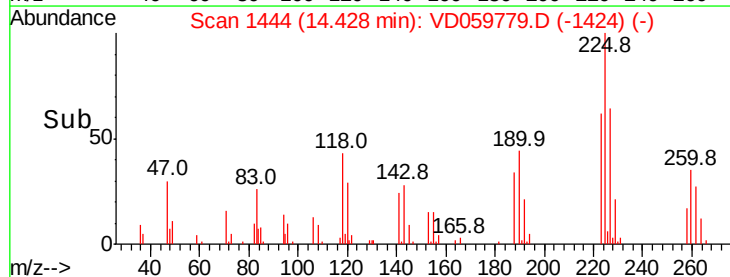
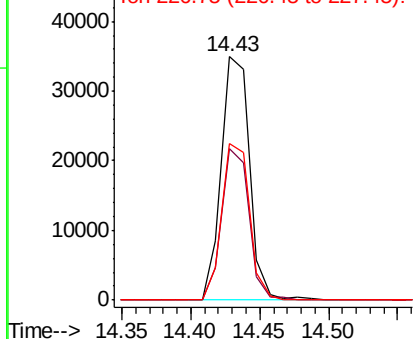


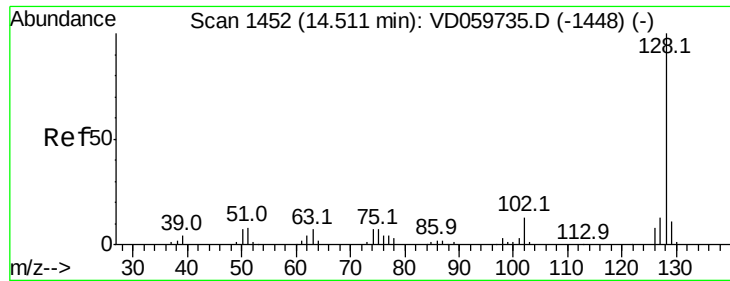
#94
 Hexachlorobutadiene
 Concen: 15.300 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Tgt Ion:225 Resp: 49684
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.5 94.5
 227 64.3 32.1 96.3



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





#95

Naphthalene

Concen: 19.610 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampled :

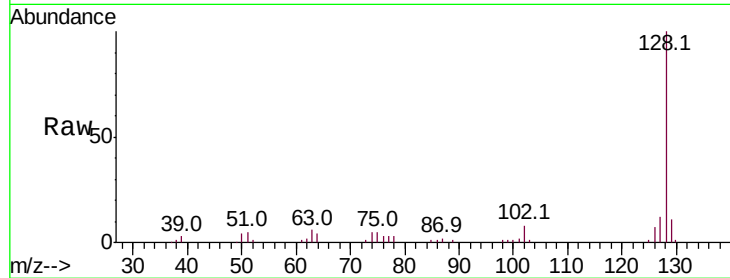
Tot Ion:128 Resp: 102313

Ion Ratio Lower Upper

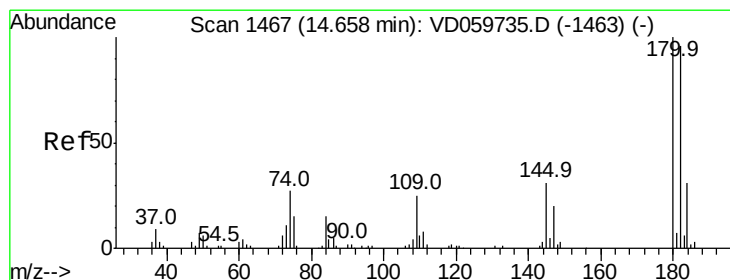
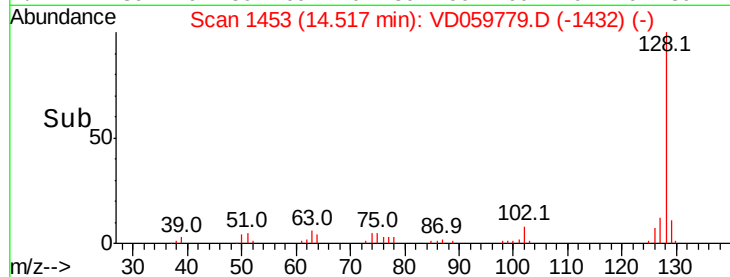
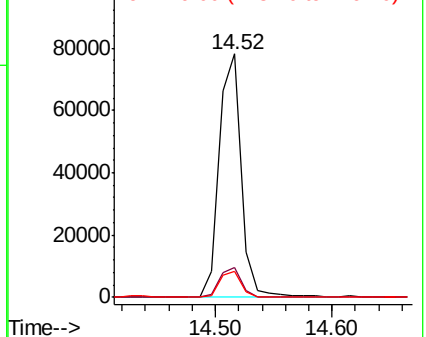
128 100

127 12.2 10.4 15.6

129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.033 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

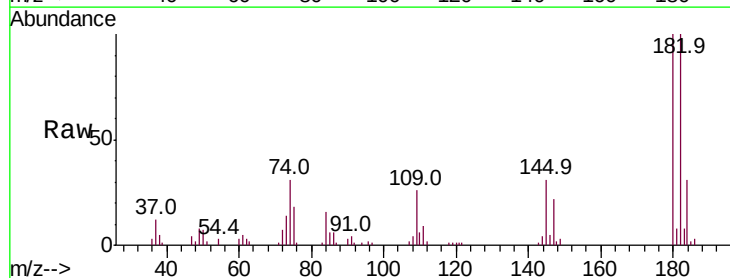
Tgt Ion:180 Resp: 59736

Ion Ratio Lower Upper

180 100

182 99.5 48.1 144.4

145 31.4 15.4 46.4



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

