

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 : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

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	16.50	ug/l	92
3) Chloromethane	1.47	50	30401	24.07	ug/l	92
4) Vinyl Chloride	1.54	62	32798	20.56	ug/l #	89
5) Bromomethane	1.78	94	6139	9.16	ug/l	99
6) Chloroethane	1.86	64	10967	13.36	ug/l	88
7) Trichlorofluoromethane	2.06	101	48243	14.10	ug/l	95
8) Diethyl Ether	2.33	74	8754	15.83	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	2.54	101	29875	17.03	ug/l	92
10) Methyl Iodide	2.68	142	27167	15.15	ug/l #	85
11) Tert butyl alcohol	3.25	59	10583	87.55	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	20812	16.59	ug/l	91
13) Acrolein	2.46	56	7308	101.51	ug/l	99
14) Allyl chloride	2.91	41	51029	18.41	ug/l	96
15) Acrylonitrile	3.34	53	39362	131.73	ug/l	91
16) Acetone	2.60	43	44950	78.89	ug/l	95
17) Carbon Disulfide	2.74	76	65029	15.46	ug/l	99
18) Methyl Acetate	2.92	43	18402	17.01	ug/l	98
19) Methyl tert-butyl Ether	3.39	73	107552	21.91	ug/l	96
20) Methylene Chloride	3.06	84	27778	16.89	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	40952	25.75	ug/l	86
22) Diisopropyl ether	4.06	45	140245	26.75	ug/l #	80
23) Vinyl Acetate	4.00	43	425849	120.04	ug/l	98
24) 1,1-Dichloroethane	3.95	63	83910	21.67	ug/l	97
25) 2-Butanone	4.83	43	66732	108.96	ug/l	94
26) 2,2-Dichloropropane	4.79	77	76756	16.96	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	47475	24.68	ug/l	77
28) Bromochloromethane	5.13	49	34992	25.10	ug/l	85
29) Tetrahydrofuran	5.17	42	30993	135.35	ug/l	97
30) Chloroform	5.31	83	100864	19.72	ug/l	98
31) Cyclohexane	5.58	56	58008	25.81	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	89121	16.81	ug/l	96
36) 1,1-Dichloropropene	5.73	75	64414	18.17	ug/l	94
37) Ethyl Acetate	4.92	43	35808	22.96	ug/l #	88
38) Carbon Tetrachloride	5.71	117	77303	13.86	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54246	20.65	ug/l	99
40) Benzene	6.01	78	132009	21.37	ug/l	97
41) Methacrylonitrile	5.11	41	16978	23.16	ug/l #	87
42) 1,2-Dichloroethane	6.12	62	74000	15.10	ug/l	100
43) Isopropyl Acetate	7.61	43	42250	21.50	ug/l #	88
44) Trichloroethene	6.97	130	47021	18.87	ug/l	94
45) 1,2-Dichloropropane	7.35	63	35702	22.69	ug/l	99
46) Dibromomethane	7.45	93	29748	17.80	ug/l	91
47) Bromodichloromethane	7.73	83	72626	16.45	ug/l #	97
48) Methyl methacrylate	7.50	41	26489	18.47	ug/l #	84
49) 1,4-Dioxane	7.48	88	4741	467.65	ug/l #	76
51) 4-Methyl-2-Pentanone	8.59	43	142425	94.04	ug/l	95
52) Toluene	8.79	92	91042	22.91	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61745	17.40	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	64347	18.89	ug/l	85
55) 1,1,2-Trichloroethane	9.45	97	32822	20.95	ug/l	95
56) Ethyl methacrylate	9.30	69	37898	21.23	ug/l #	74
57) 1,3-Dichloropropane	9.66	76	49783	19.09	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.18	63	99251	120.03	ug/l	95
59) 2-Hexanone	9.78	43	108206	95.48	ug/l	89
60) Dibromochloromethane	9.95	129	49790	16.47	ug/l	100
61) 1,2-Dibromoethane	10.09	107	36468	18.61	ug/l	97
64) Tetrachloroethene	9.51	164	44031	17.37	ug/l	96
65) Chlorobenzene	10.72	112	107907	20.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	46250	17.32	ug/l	93
67) Ethyl Benzene	10.86	91	201778	20.43	ug/l	91
68) m/p-Xylenes	11.00	106	129891	41.02	ug/l	85
69) o-Xylene	11.40	106	61888	20.10	ug/l	87
70) Styrene	11.43	104	103682	20.56	ug/l	93
71) Bromoform	11.59	173	32965	16.32	ug/l	98
73) Isopropylbenzene	11.77	105	183683	18.91	ug/l	97
74) N-amyl acetate	11.64	43	60526	21.73	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.08	83	39871	22.49	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	44828	21.19	ug/l	99
77) Bromobenzene	12.04	156	54172	19.09	ug/l	87
78) n-propylbenzene	12.15	91	240750	20.40	ug/l	98
79) 2-Chlorotoluene	12.21	91	146573	19.61	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	150599	17.89	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.84	75	10578	22.20	ug/l #	67
82) 4-Chlorotoluene	12.32	91	161056	18.28	ug/l	96
83) tert-Butylbenzene	12.57	119	172980	18.90	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	164565	18.95	ug/l	95
85) sec-Butylbenzene	12.76	105	177998	18.29	ug/l	96
86) p-Isopropyltoluene	12.88	119	162032	18.48	ug/l	91
87) 1,3-Dichlorobenzene	12.83	146	95633	19.91	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	94898	19.76	ug/l	98
89) n-Butylbenzene	13.19	91	170325	19.64	ug/l	97
90) Hexachloroethane	13.40	117	39746	17.47	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	82167	20.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7101	16.08	ug/l	91

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

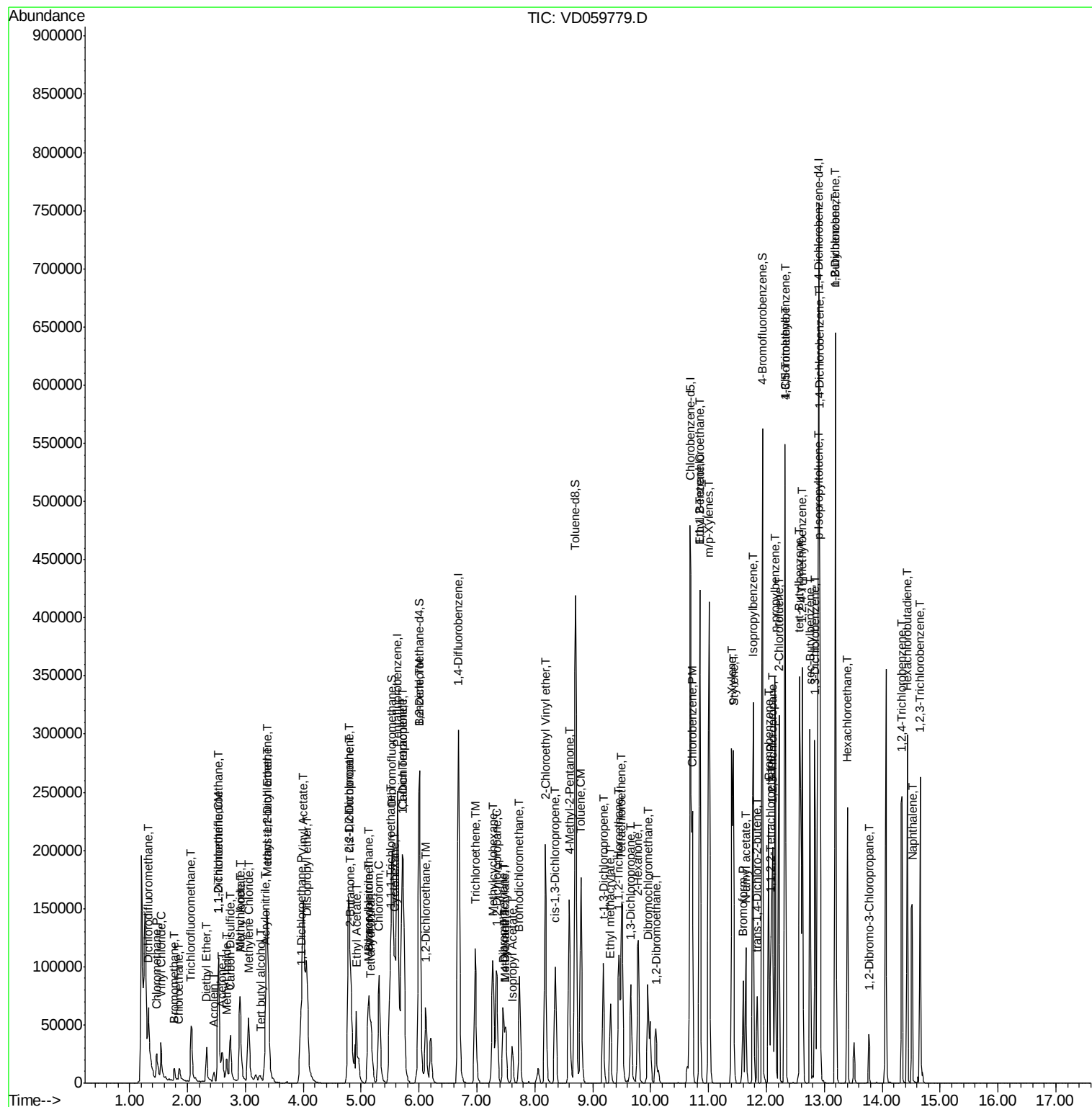
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	66785	17.24	ug/l	94
94) Hexachlorobutadiene	14.43	225	49684	15.30	ug/l	99
95) Naphthalene	14.52	128	102313	19.61	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	59736	18.03	ug/l	97

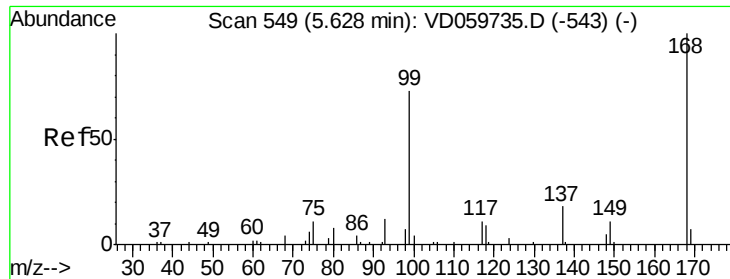
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059779.D
 Acq On : 14 Aug 2018 21:05
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 Sample : VD0814SBSD01
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#1

Pentafluorobenzene

Concen: 50.00 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 :

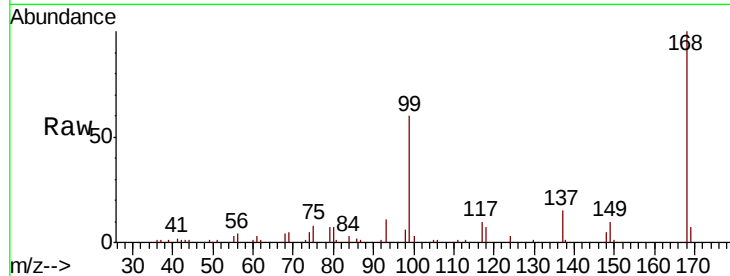
VD0814SBSD01

Tot Ion:168 Resp: 222837

Ion Ratio Lower Upper

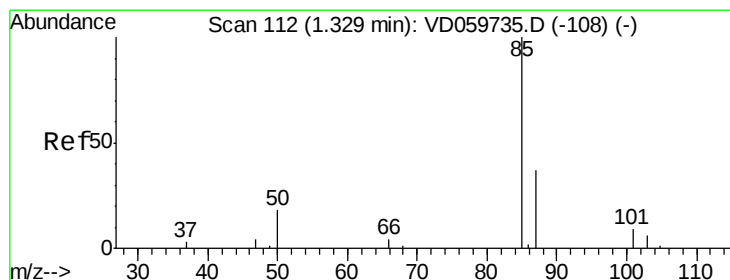
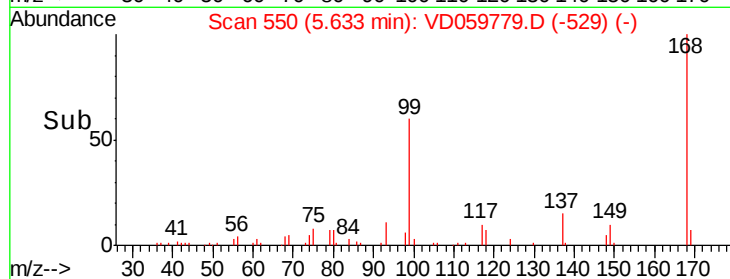
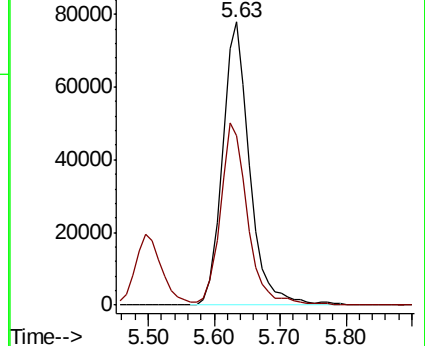
168 100

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: 16.50 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059779.D

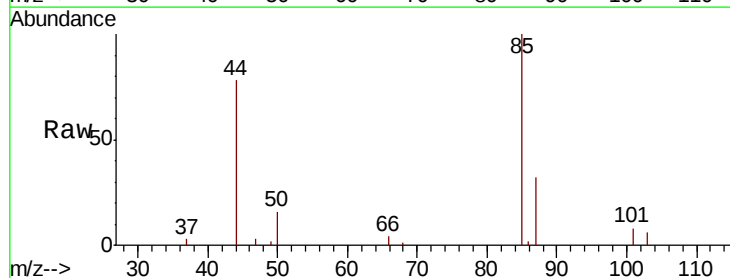
Acq: 14 Aug 2018 21:05

Tgt Ion: 85 Resp: 54997

Ion Ratio Lower Upper

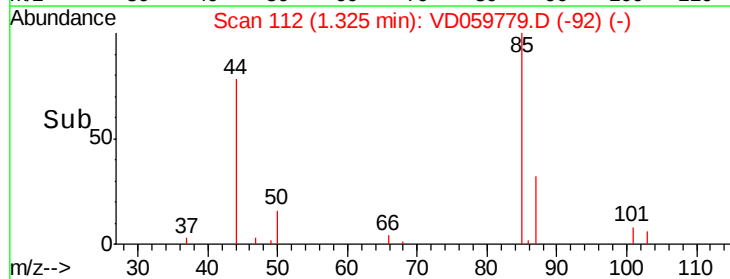
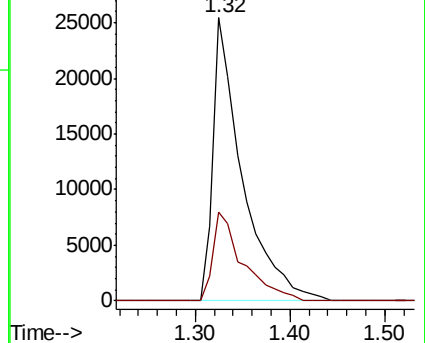
85 100

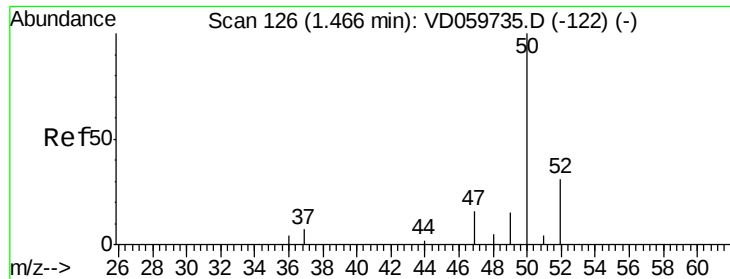
87 31.5 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

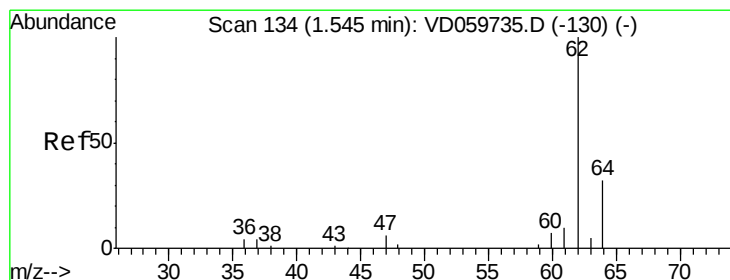
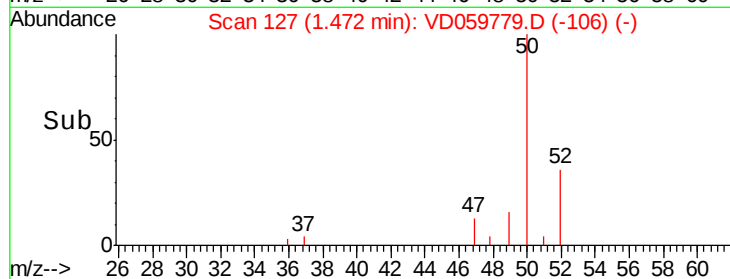
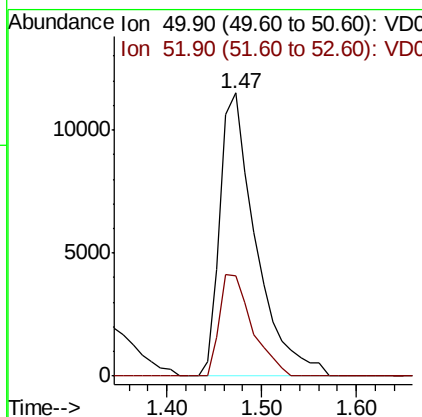
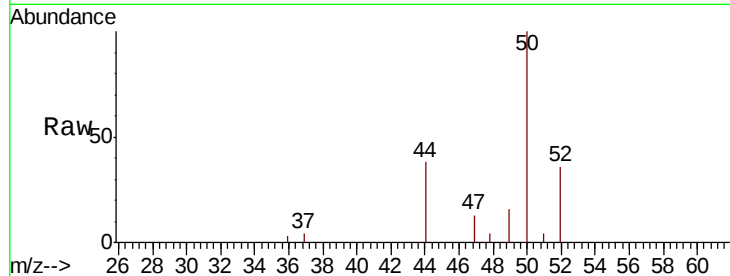




#3
Chloromethane
Concen: 24.07 ug/l
RT: 1.47 min Scan# 127
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

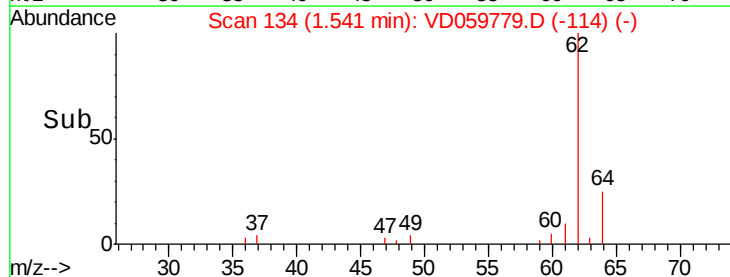
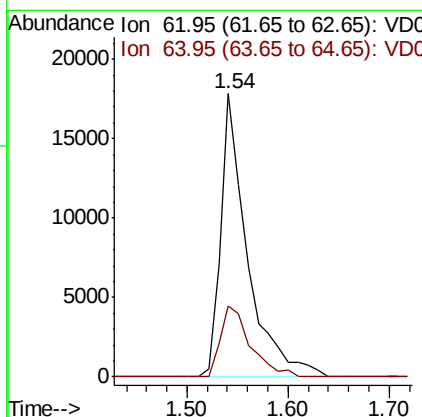
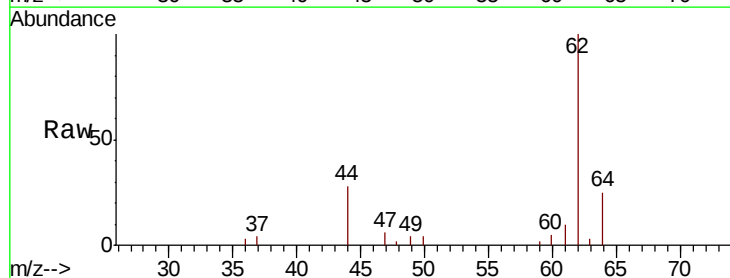
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

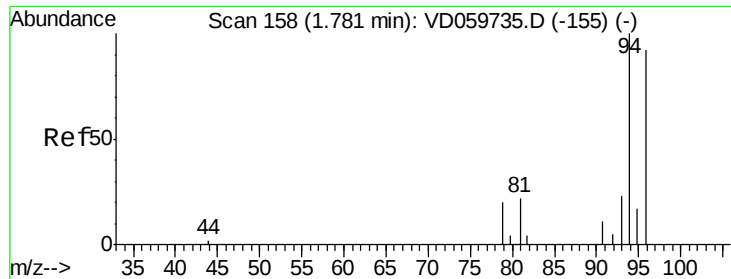
Tot Ion: 50 Resp: 30401
Ion Ratio Lower Upper
50 100
52 35.6 24.8 37.2



#4
Vinyl Chloride
Concen: 20.56 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#





#5

Bromomethane

Concen: 9.16 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

ClientSampleId :

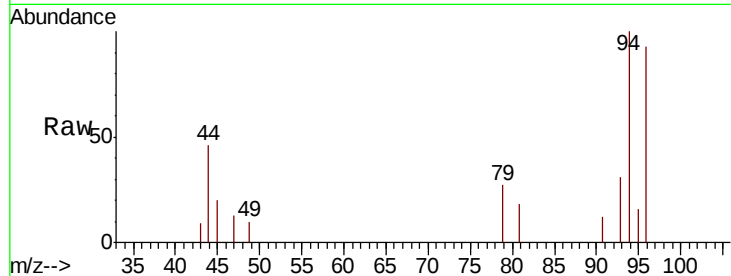
VD0814SBSD01

Tot Ion: 94 Resp: 6139

Ion Ratio Lower Upper

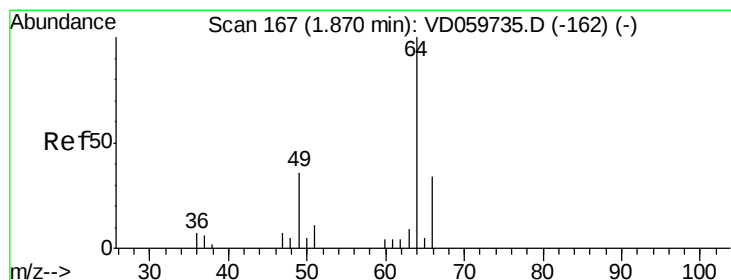
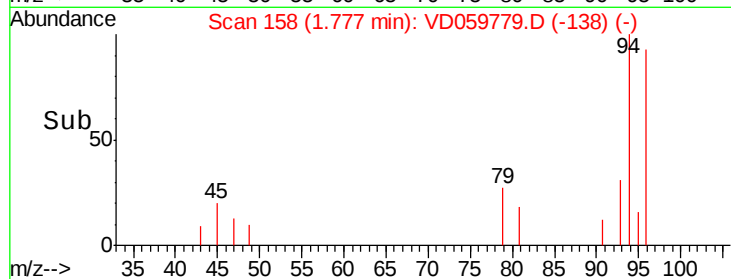
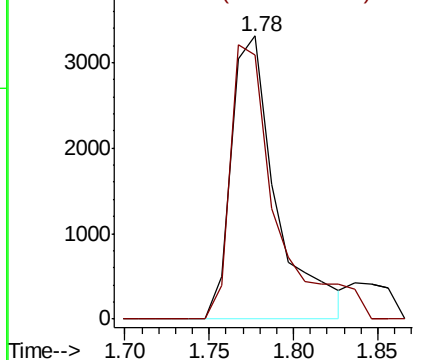
94 100

96 93.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 13.36 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059779.D

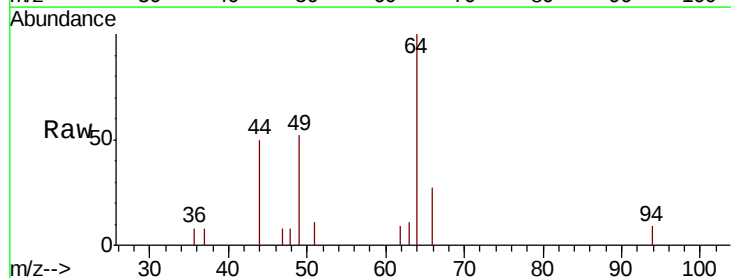
Acq: 14 Aug 2018 21:05

Tgt Ion: 64 Resp: 10967

Ion Ratio Lower Upper

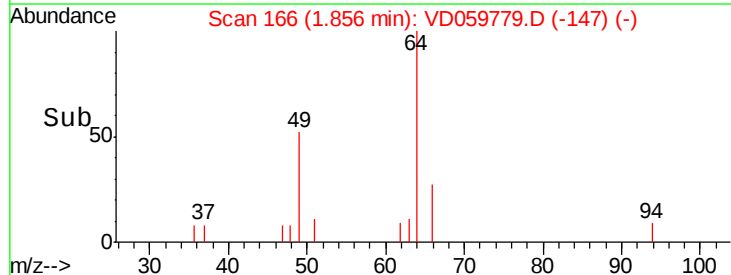
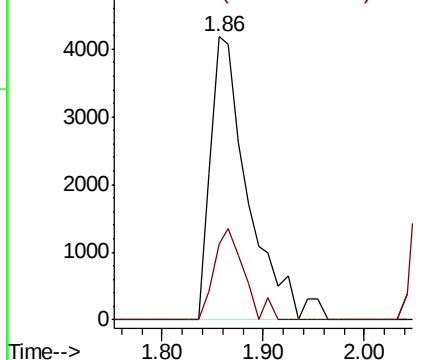
64 100

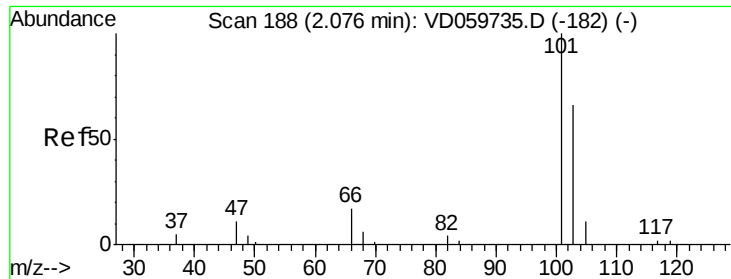
66 27.0 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



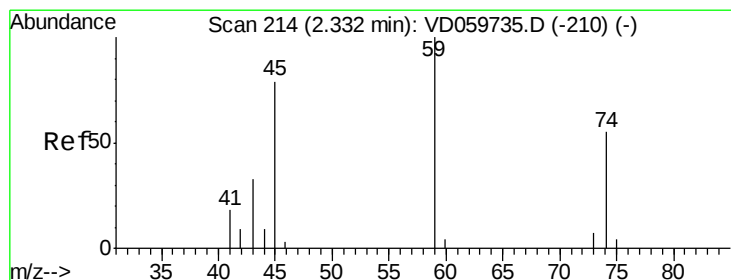
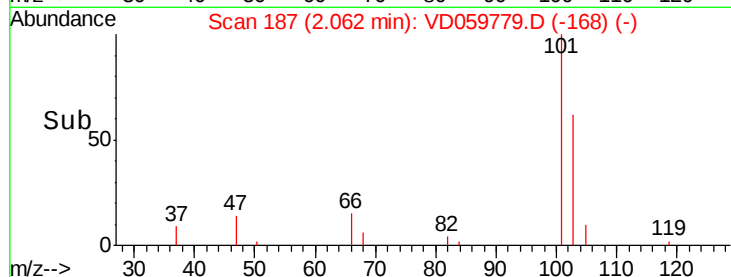
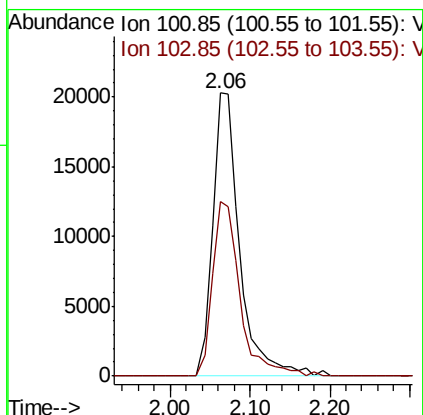
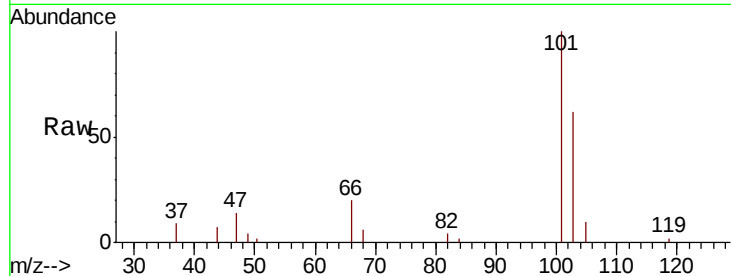


#7

Trichlorofluoromethane
Concen: 14.10 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 :
VD0814SBSD01

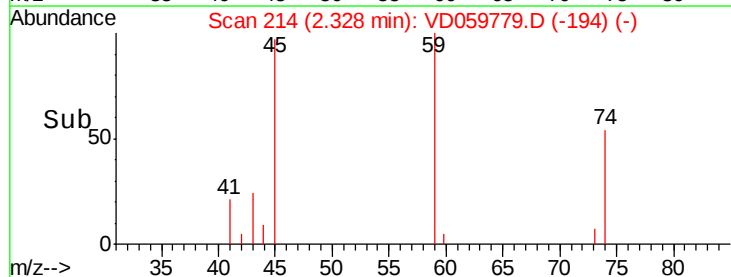
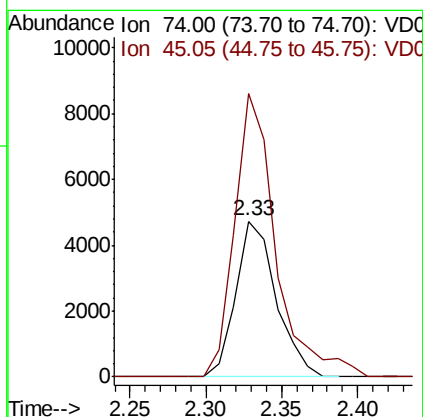
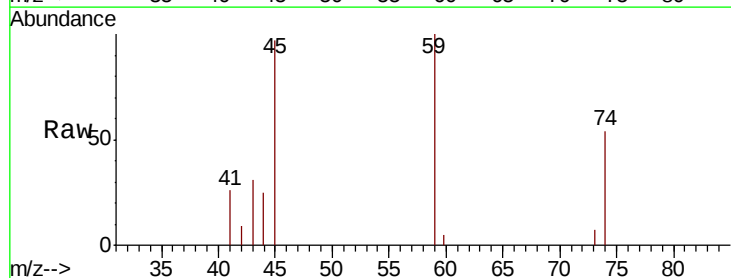
Tot Ion:101 Resp: 48243
Ion Ratio Lower Upper
101 100
103 61.7 52.4 78.6

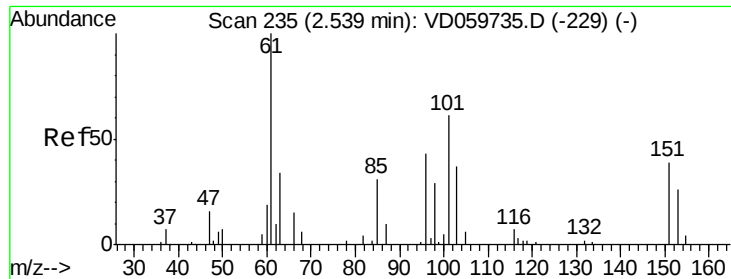


#8

Diethyl Ether
Concen: 15.83 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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.03 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 :

VD0814SBSD01

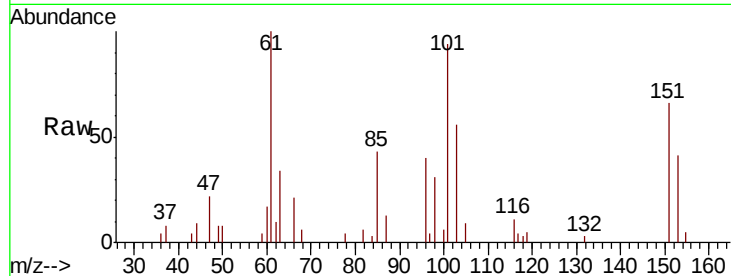
Tot Ion:101 Resp: 29875

Ion Ratio Lower Upper

101 100

85 45.5 39.7 59.5

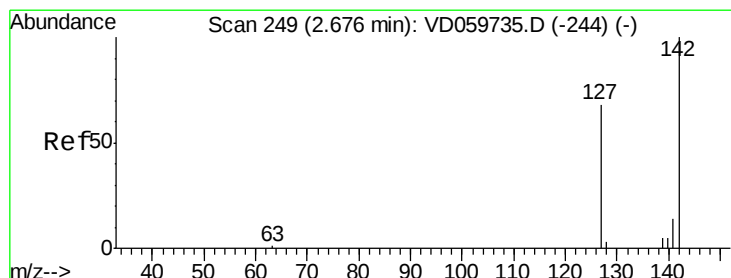
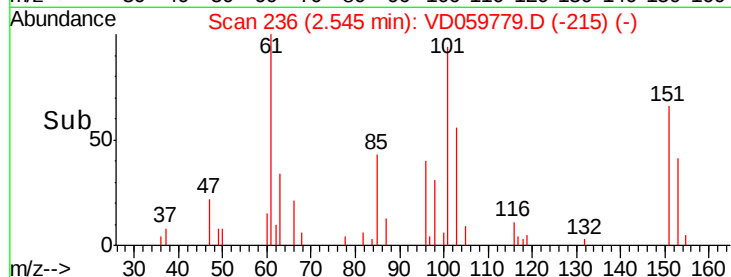
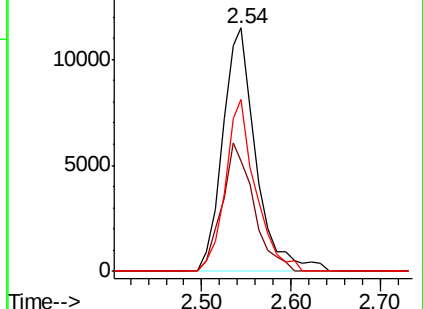
151 70.8 50.8 76.2



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: 15.15 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

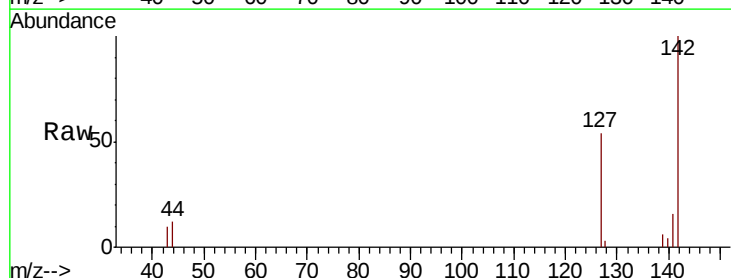
Tgt Ion:142 Resp: 27167

Ion Ratio Lower Upper

142 100

127 53.9 54.0 81.0#

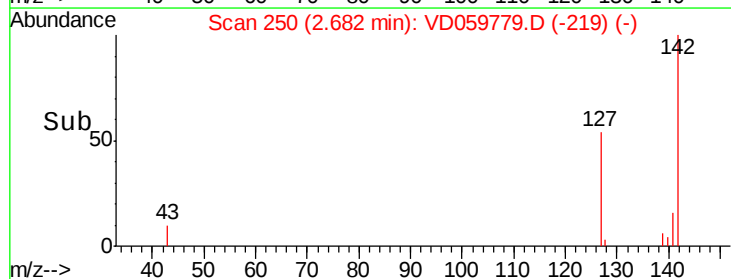
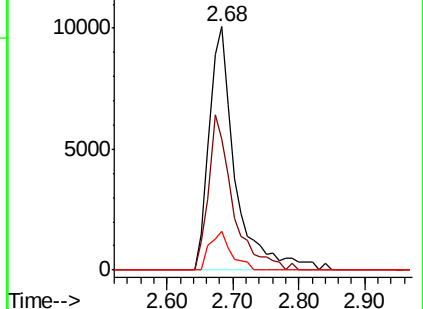
141 16.2 11.0 16.4

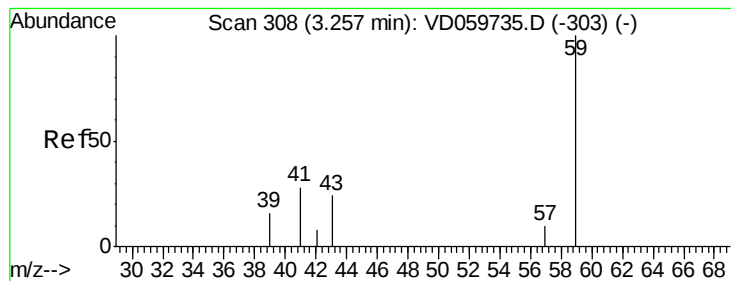


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



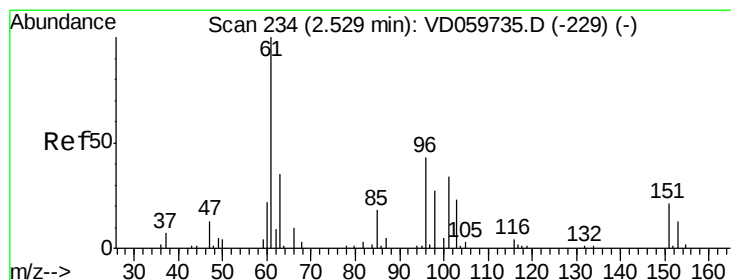
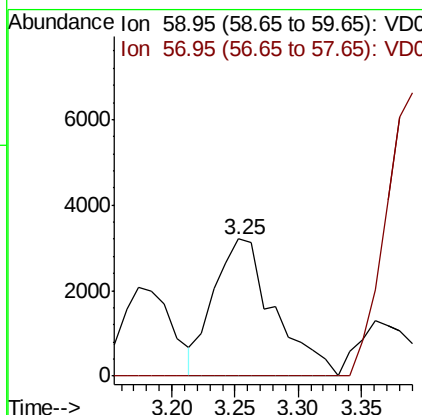
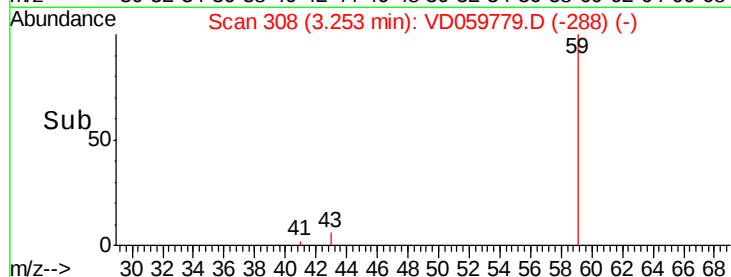
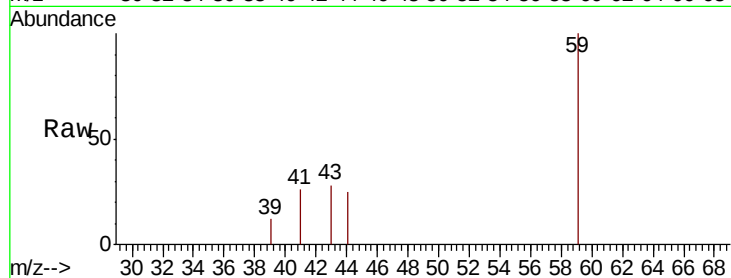


#11

Tert butyl alcohol
Concen: 87.55 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
ClientSampleId :
VD0814SBS01

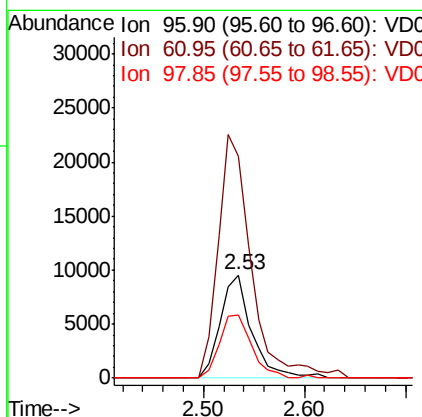
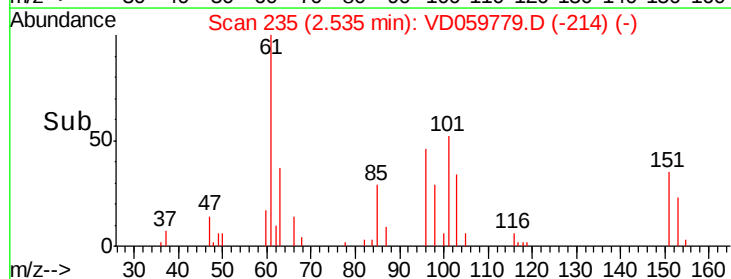
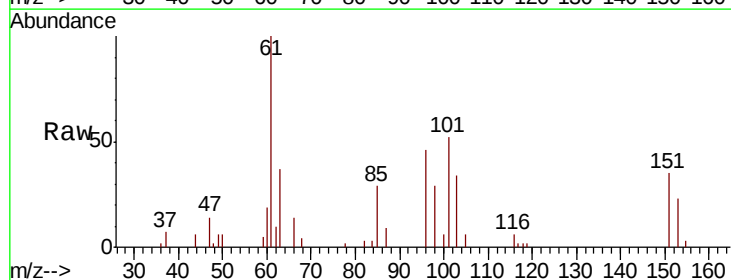
Tot Ion: 59 Resp: 10583
Ion Ratio Lower Upper
59 100
57 0.0 7.3 10.9#

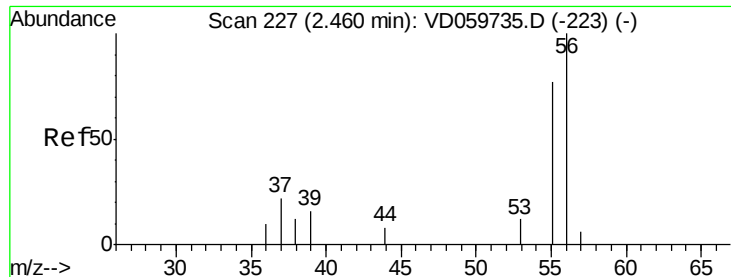


#12

1,1-Dichloroethene
Concen: 16.59 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: 101.51 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 :

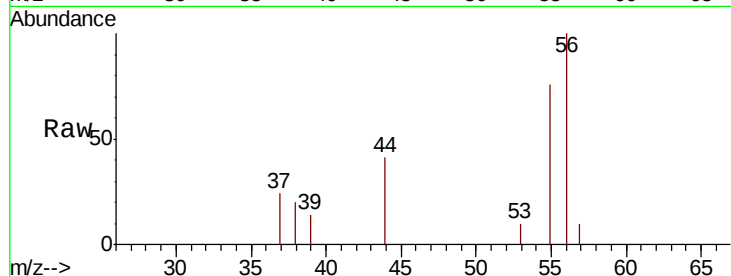
VD0814SBSD01

Tot Ion: 56 Resp: 7308

Ion Ratio Lower Upper

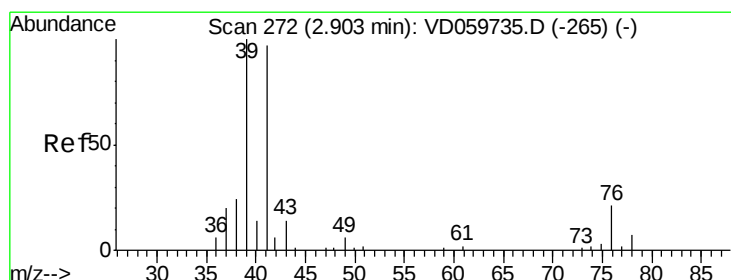
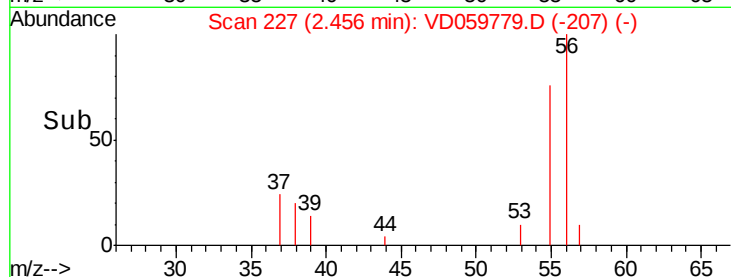
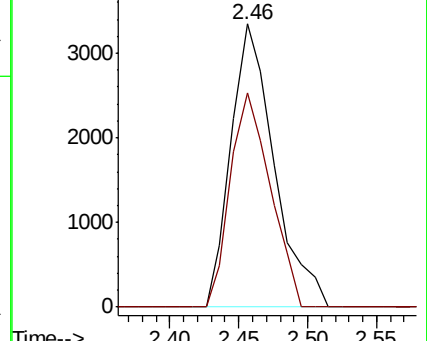
56 100

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: 18.41 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

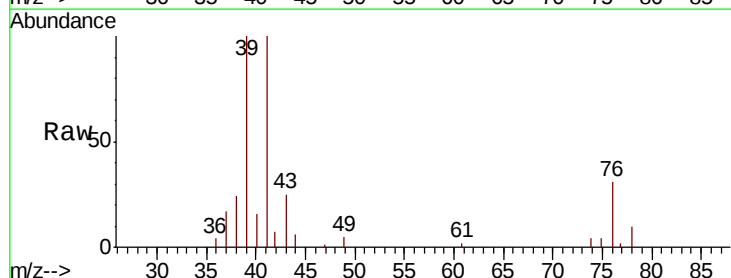
Tgt Ion: 41 Resp: 51029

Ion Ratio Lower Upper

41 100

39 100.1 82.9 124.3

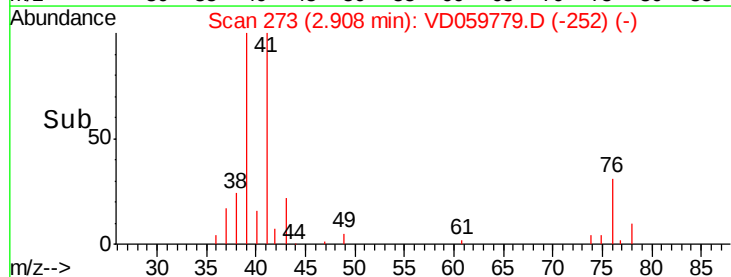
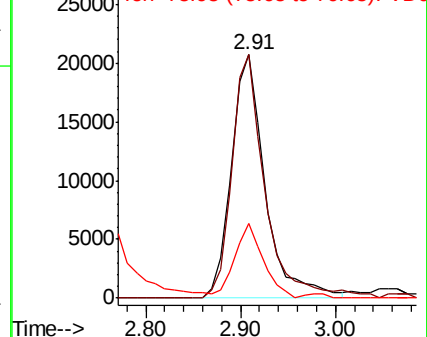
76 30.7 22.2 33.2

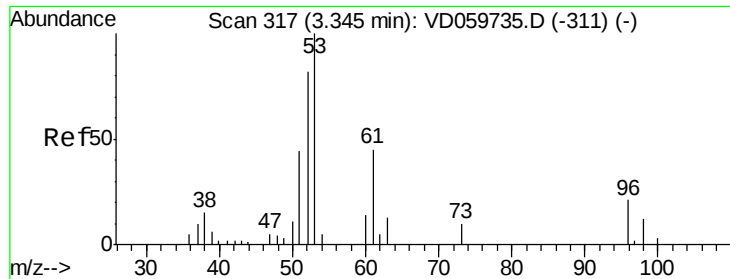


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 131.73 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

ClientSampleId :

VD0814SBSD01

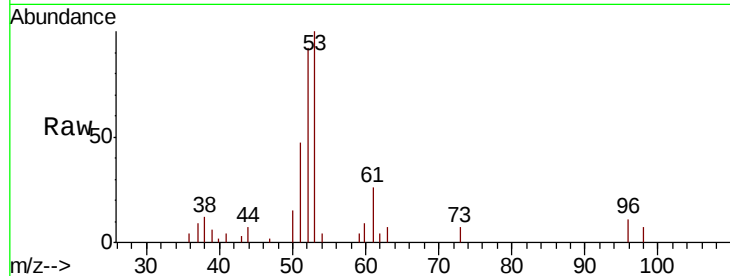
Tot Ion: 53 Resp: 39362

Ion Ratio Lower Upper

53 100

52 91.8 65.8 98.6

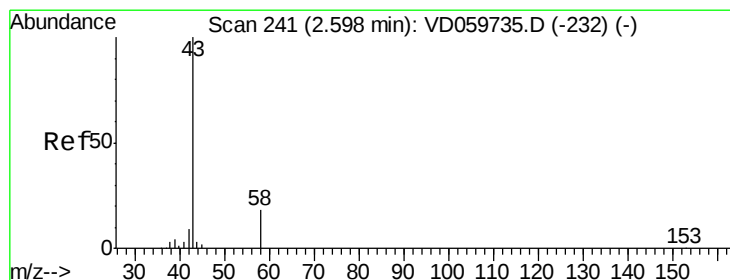
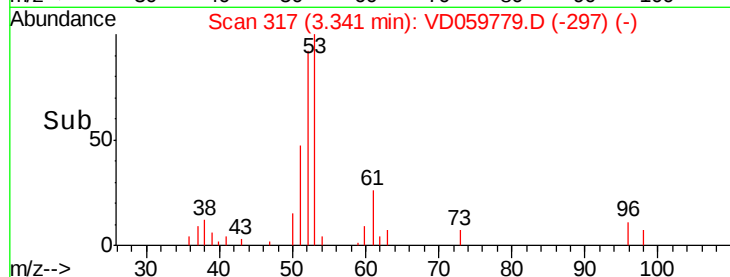
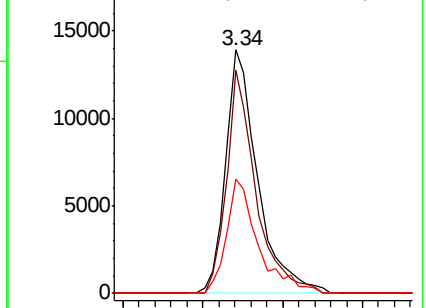
51 46.8 35.1 52.7



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: 78.89 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059779.D

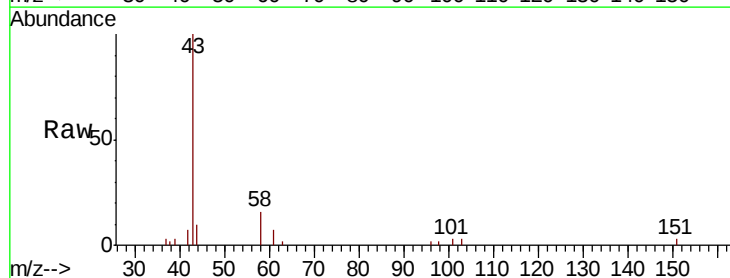
Acq: 14 Aug 2018 21:05

Tgt Ion: 43 Resp: 44950

Ion Ratio Lower Upper

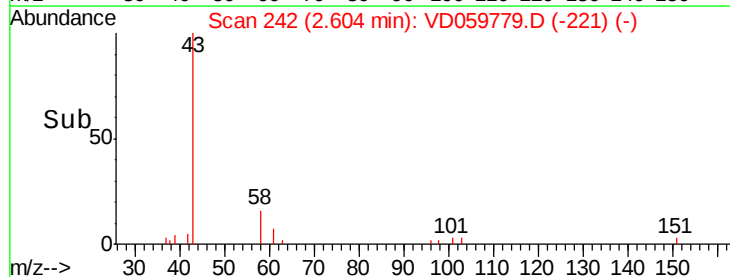
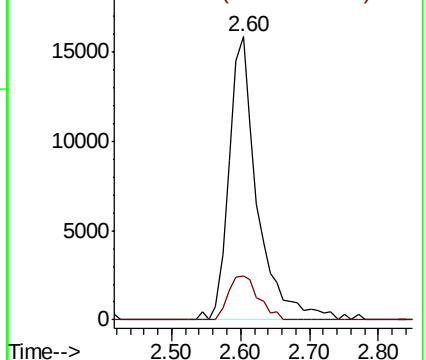
43 100

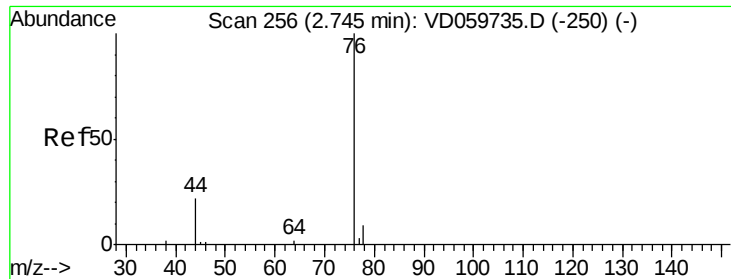
58 15.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

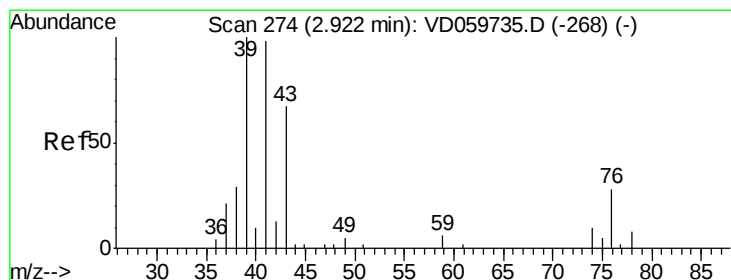
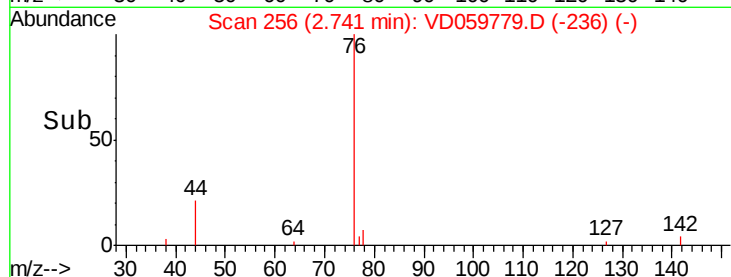
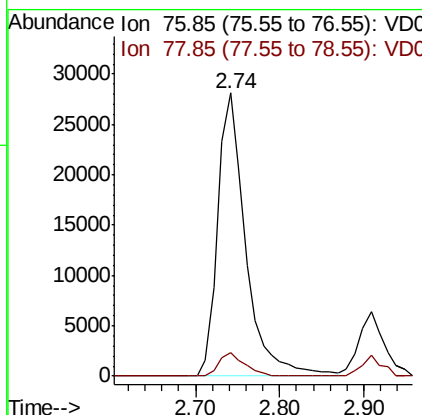
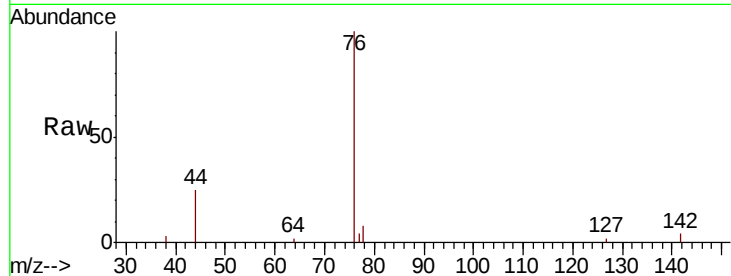




#17
Carbon Disulfide
Concen: 15.46 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

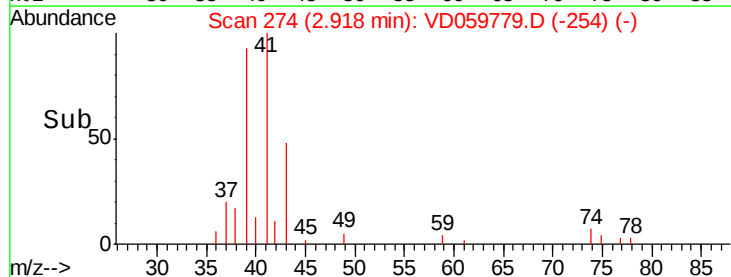
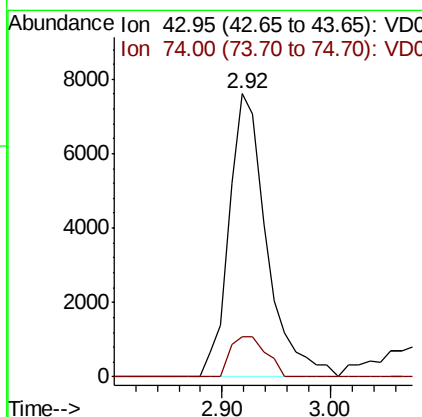
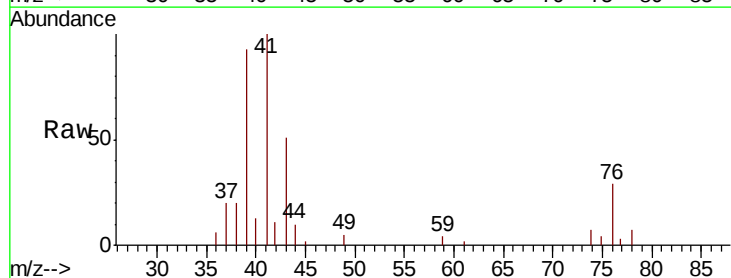
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

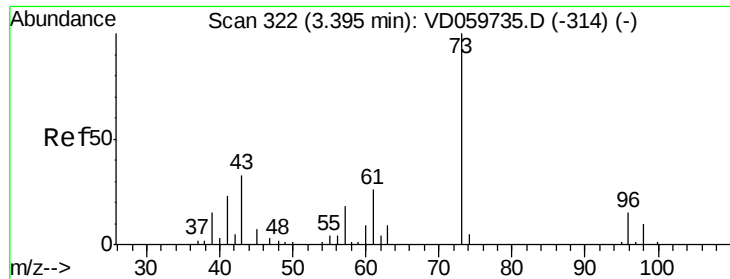
Tot Ion: 76 Resp: 65029
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#18
Methyl Acetate
Concen: 17.01 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

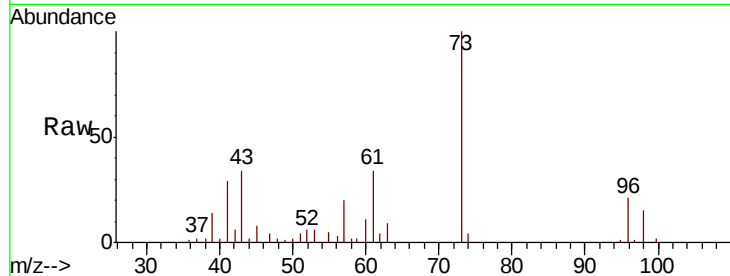




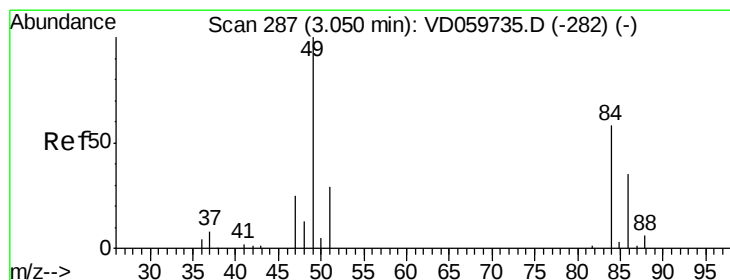
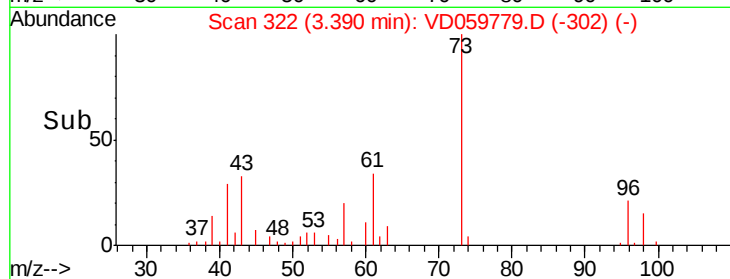
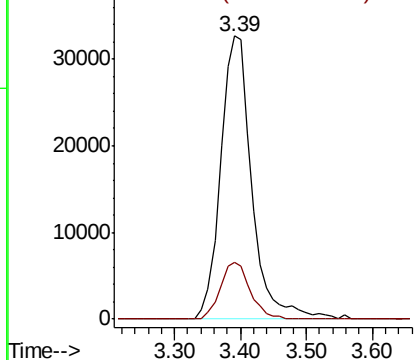
#19
Methyl tert-butyl Ether
Concen: 21.91 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

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

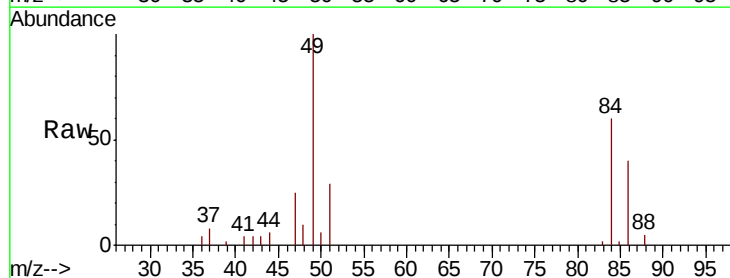


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

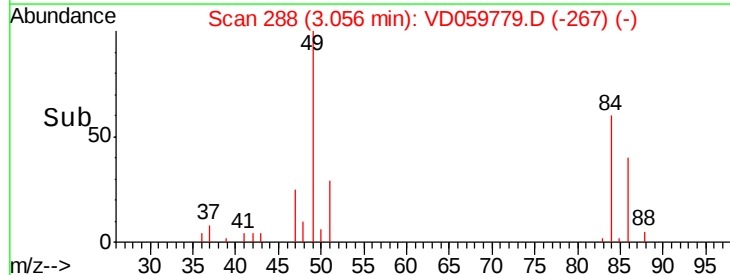
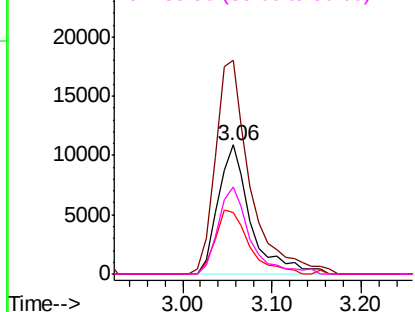


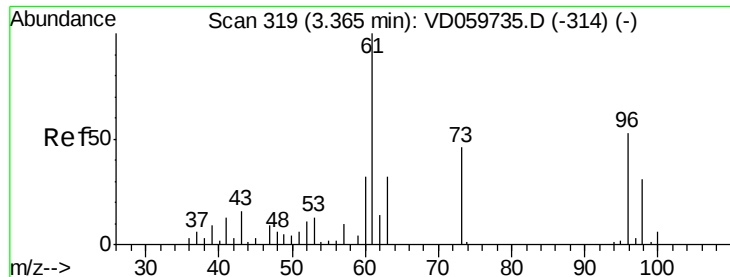
#20
Methylene Chloride
Concen: 16.89 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

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



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 25.75 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

ClientSampleId :

VD0814SBSD01

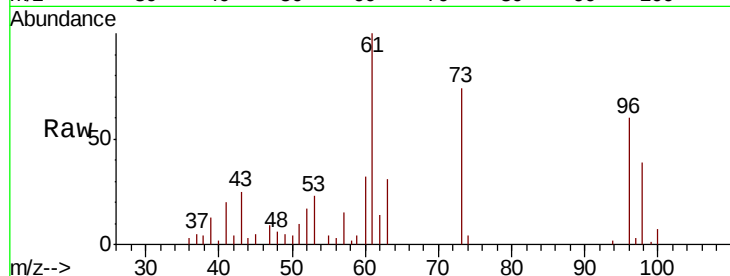
Tot Ion: 96 Resp: 40952

Ion Ratio Lower Upper

96 100

61 167.2 152.0 228.0

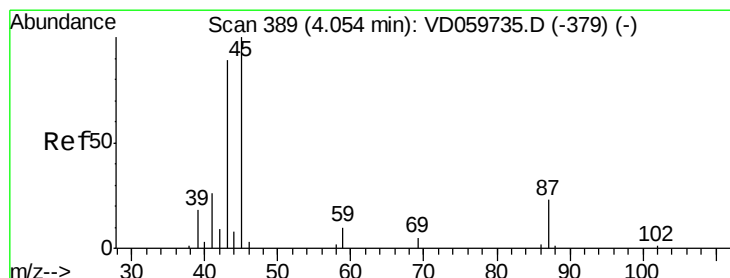
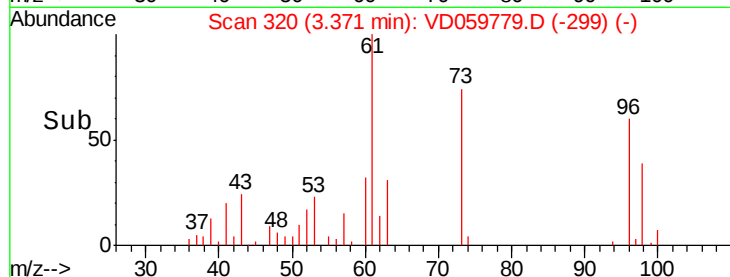
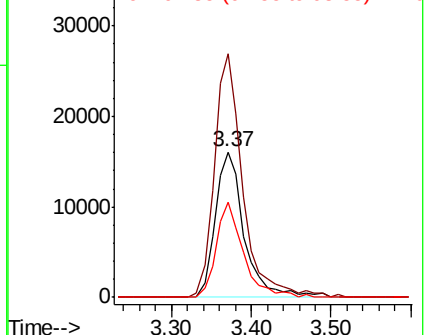
98 65.5 47.4 71.2



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: 26.75 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

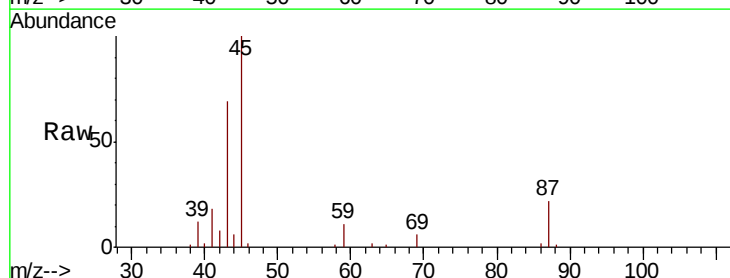
Ion Ratio Lower Upper

45 100

43 69.1 75.5 113.3#

87 21.7 19.4 29.0

59 10.6 8.5 12.7

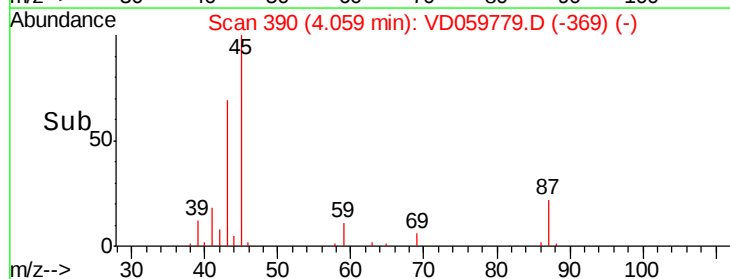
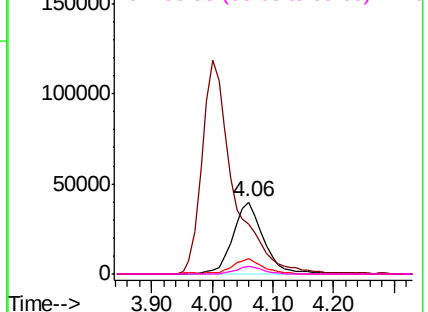


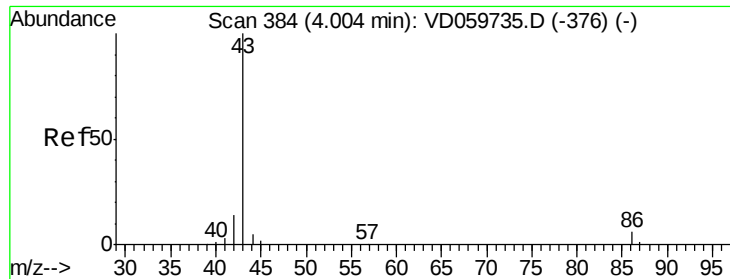
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 120.04 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

ClientSampleId :

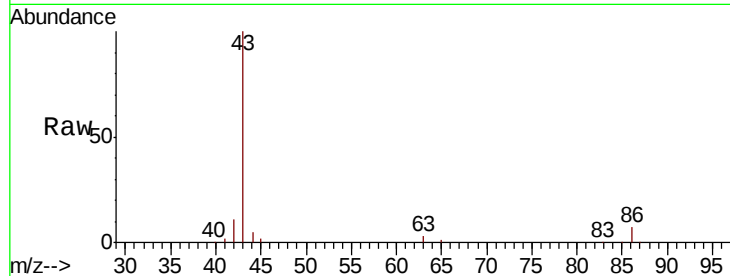
VD0814SBSD01

Tot Ion: 43 Resp: 425849

Ion Ratio Lower Upper

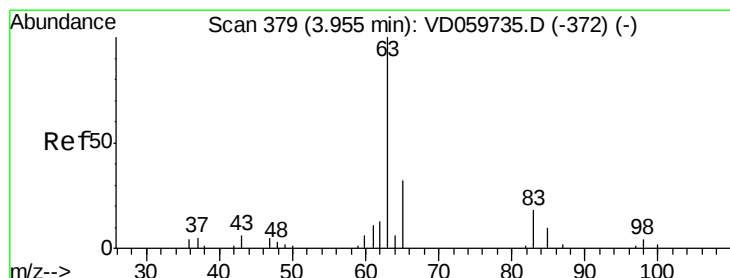
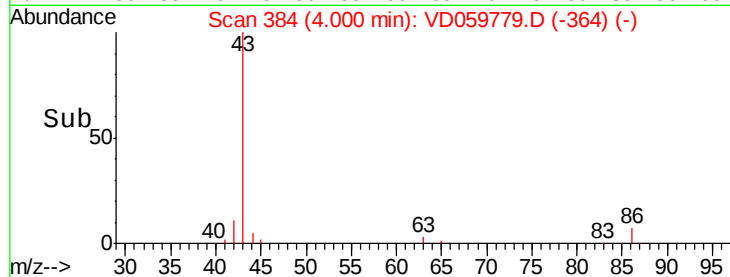
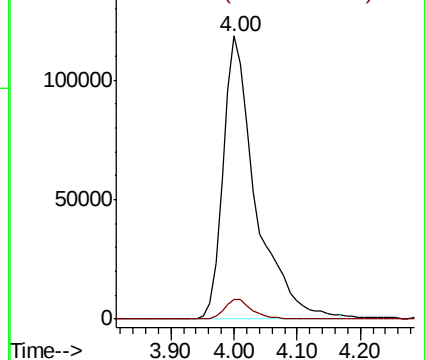
43 100

86 6.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.67 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

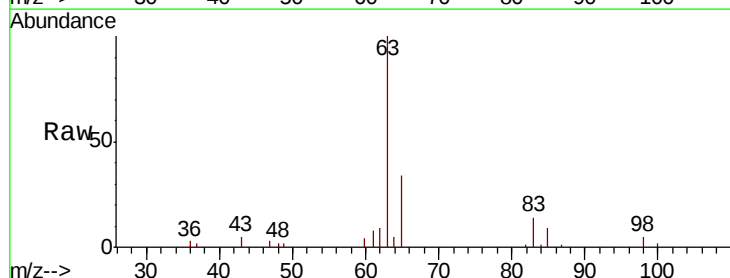
Tgt Ion: 63 Resp: 83910

Ion Ratio Lower Upper

63 100

98 4.9 1.8 5.5

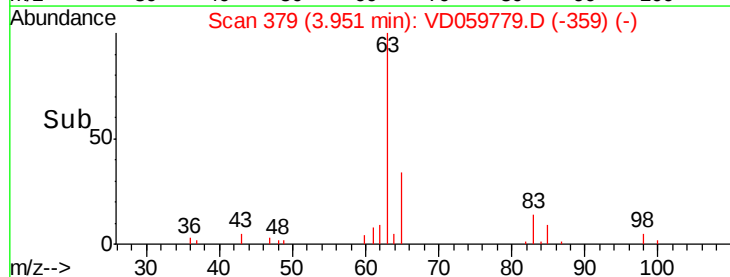
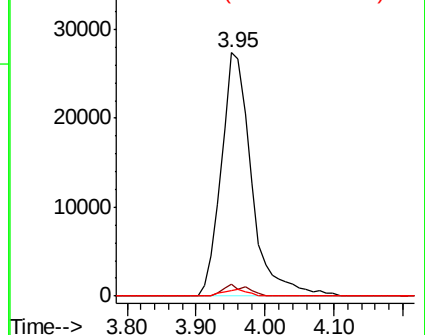
100 2.3 1.1 3.1

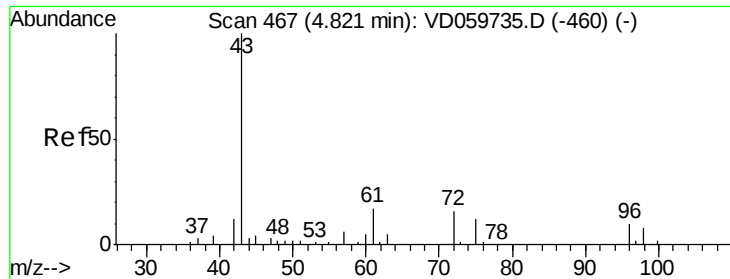


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.96 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 :

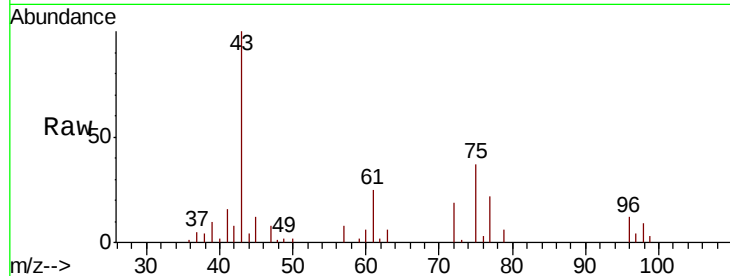
VD0814SBSD01

Tot Ion: 43 Resp: 66732

Ion Ratio Lower Upper

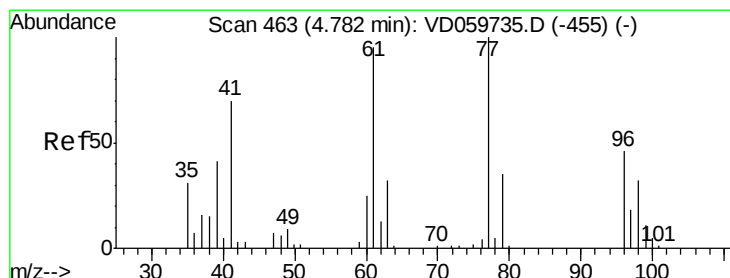
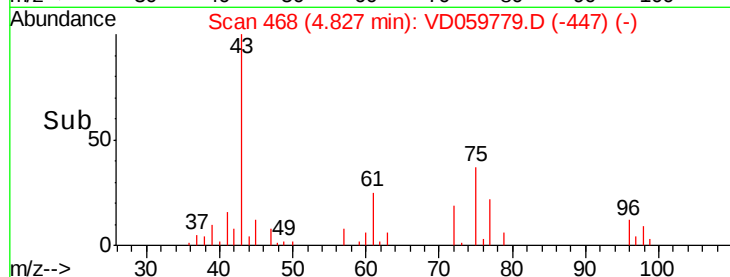
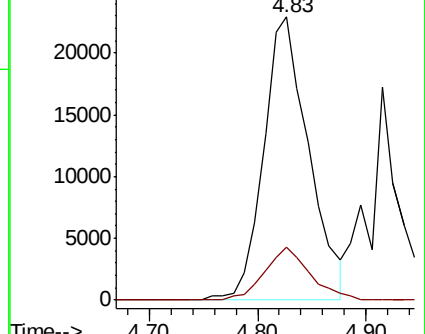
43 100

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: 16.96 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059779.D

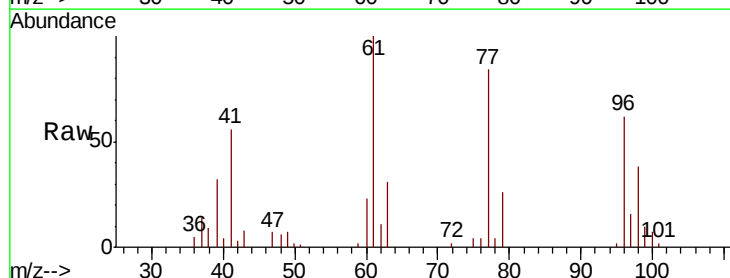
Acq: 14 Aug 2018 21:05

Tgt Ion: 77 Resp: 76756

Ion Ratio Lower Upper

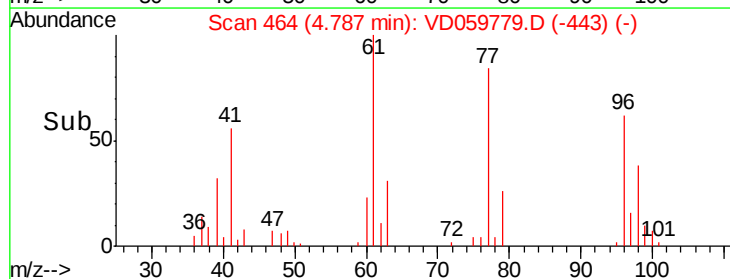
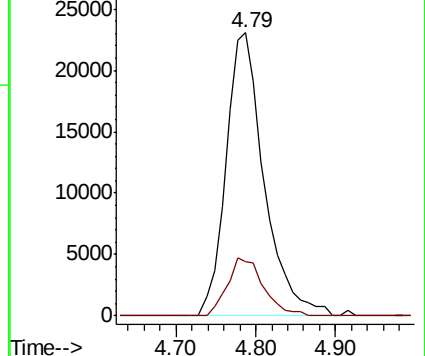
77 100

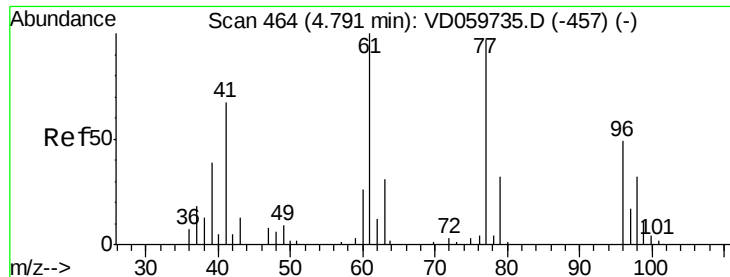
97 19.4 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

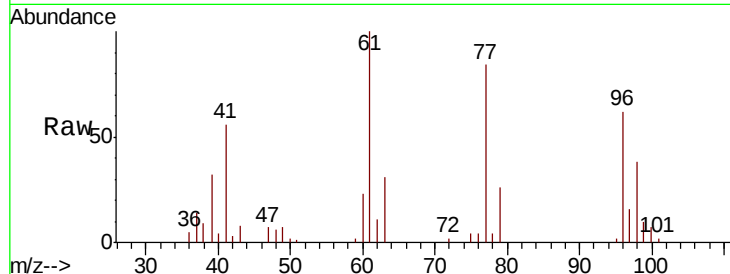




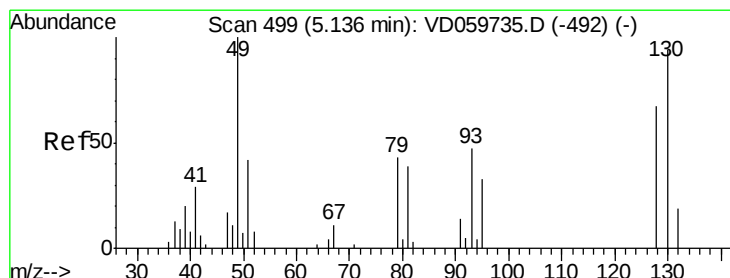
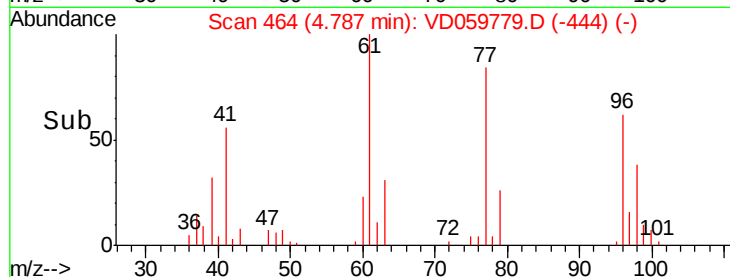
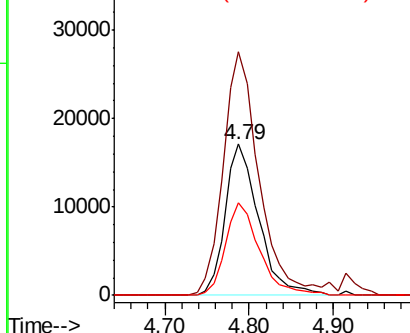
#27
 cis-1,2-Dichloroethene
 Concen: 24.68 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

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

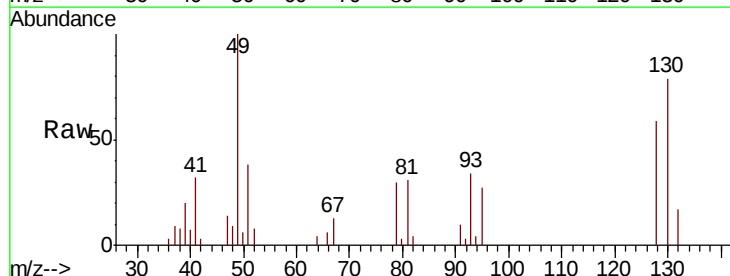


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

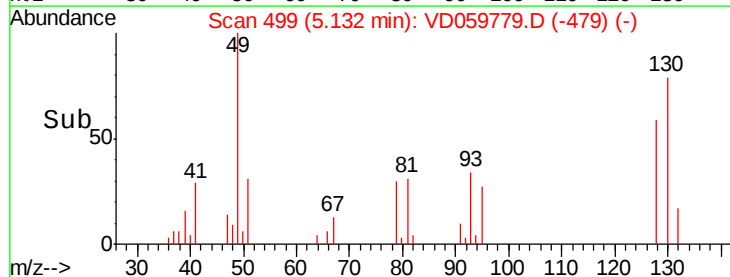
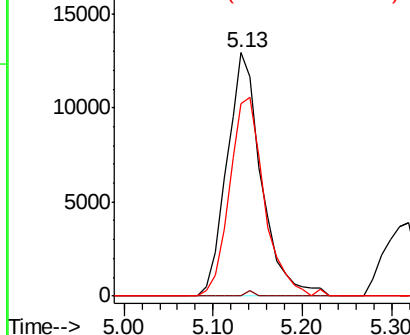


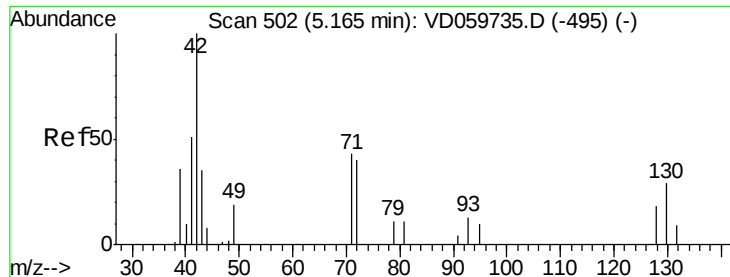
#28
 Bromochloromethane
 Concen: 25.10 ug/l
 RT: 5.13 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

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): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 135.35 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 :

VD0814SBSD01

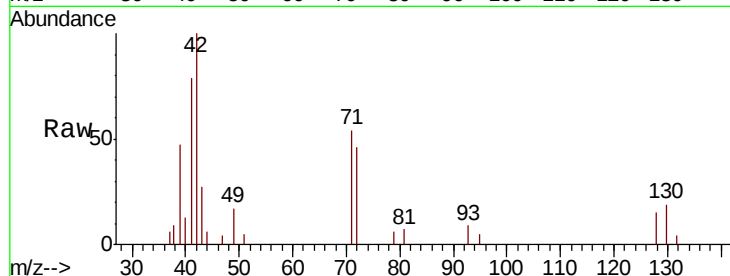
Tot Ion: 42 Resp: 30993

Ion Ratio Lower Upper

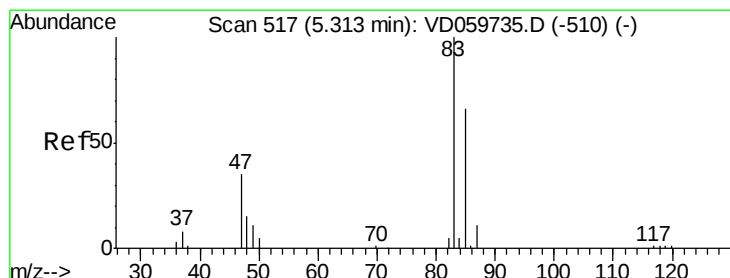
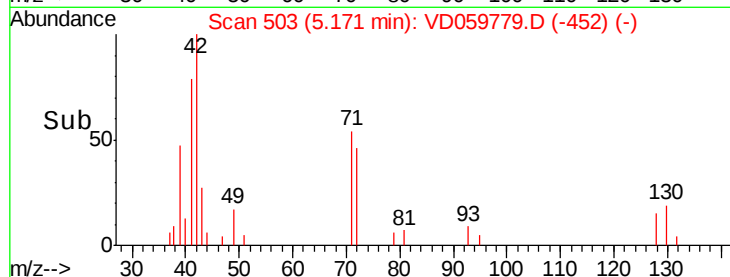
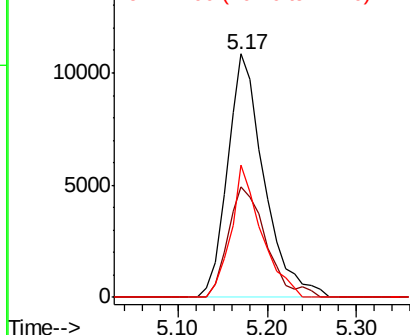
42 100

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: 19.72 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD059779.D

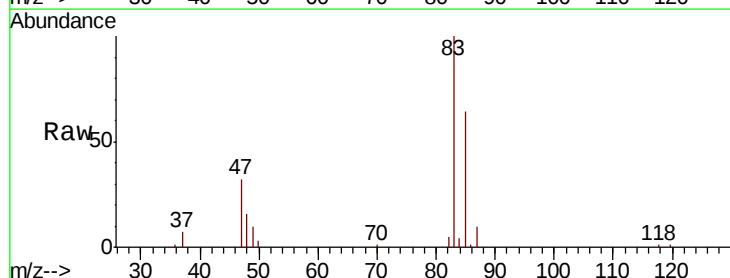
Acq: 14 Aug 2018 21:05

Tgt Ion: 83 Resp: 100864

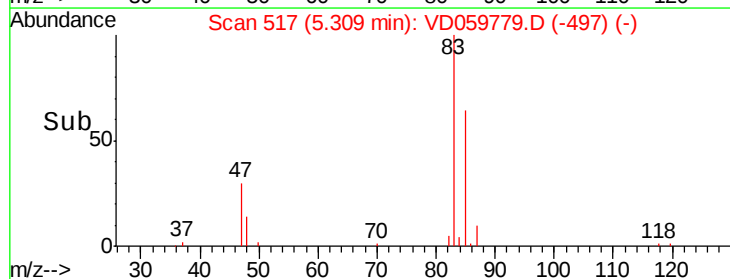
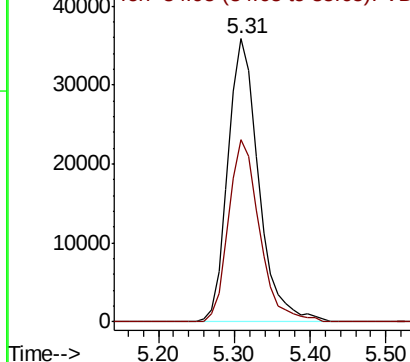
Ion Ratio Lower Upper

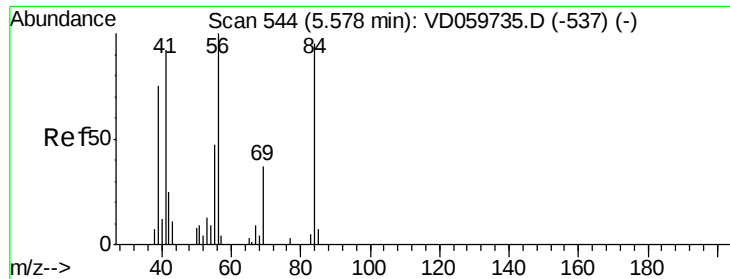
83 100

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

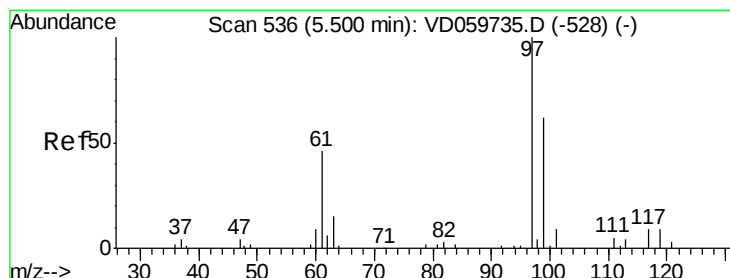
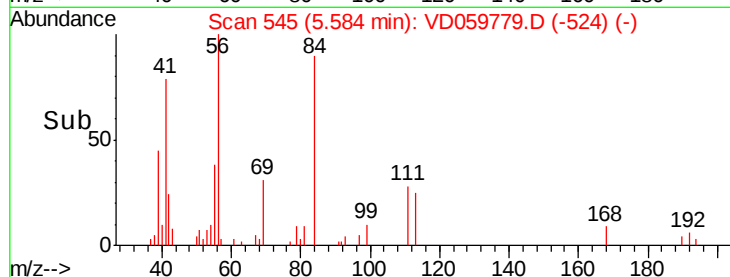
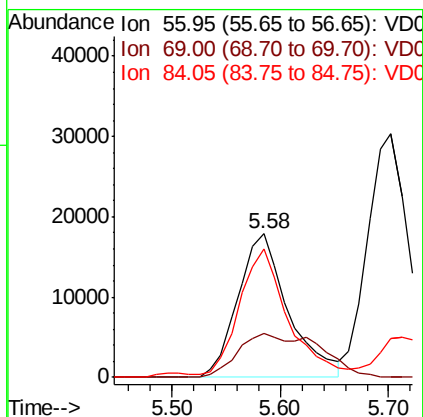
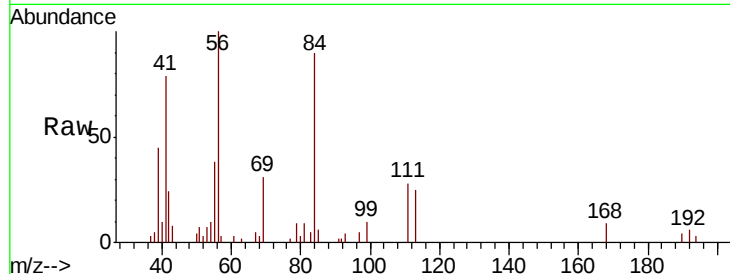




#31
Cyclohexane
Concen: 25.81 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

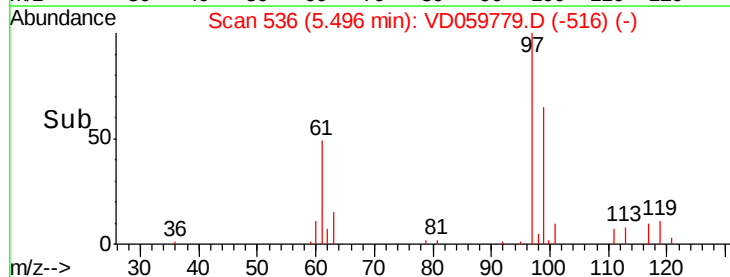
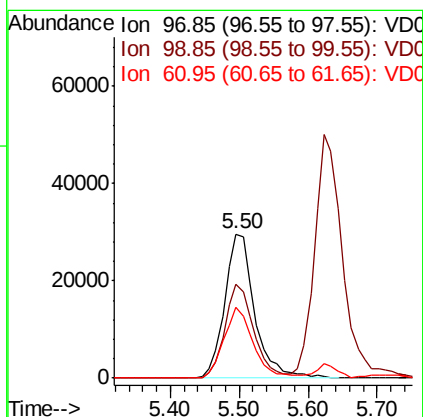
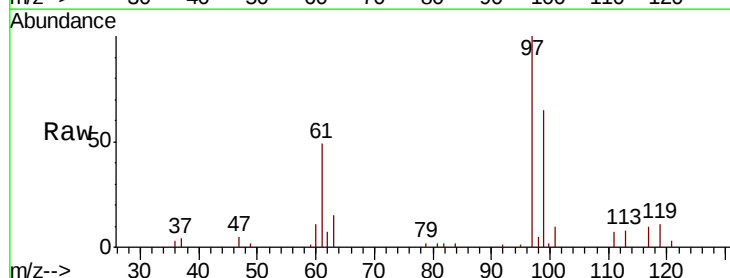
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

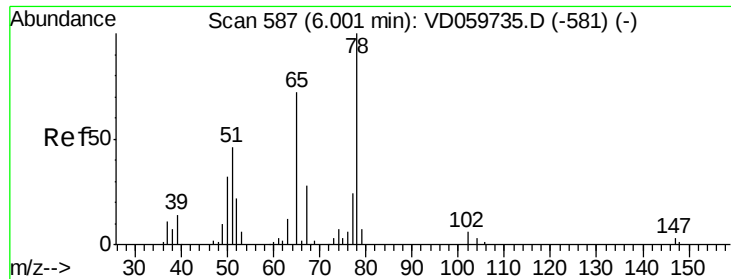
Tot Ion: 56 Resp: 58008
Ion Ratio Lower Upper
56 100
69 30.8 29.3 43.9
84 89.9 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 16.81 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

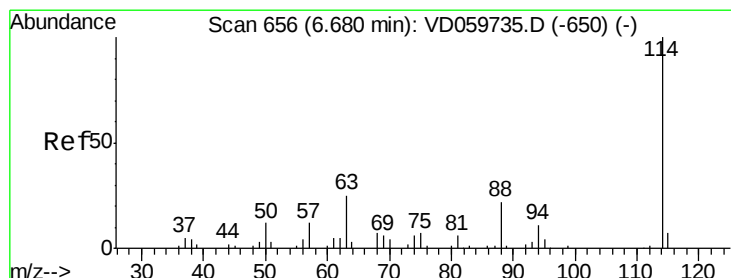
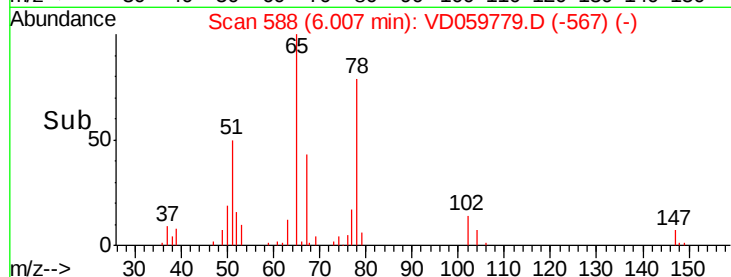
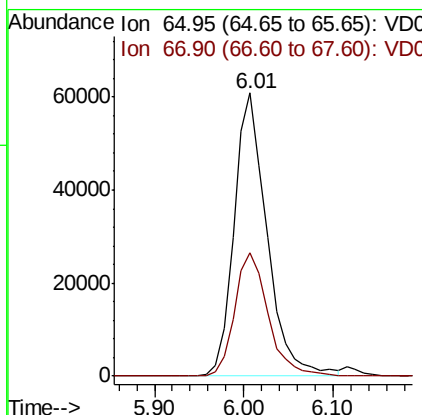
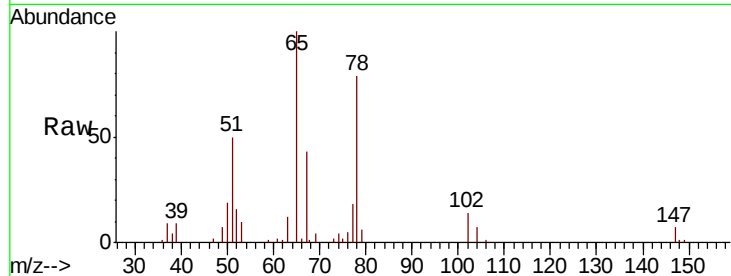




#33
 1,2-Dichloroethane-d4
 Concen: 16.81 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

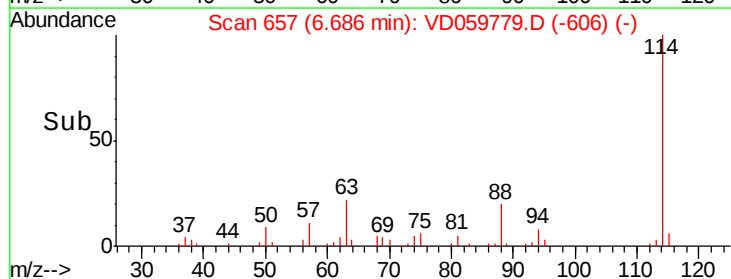
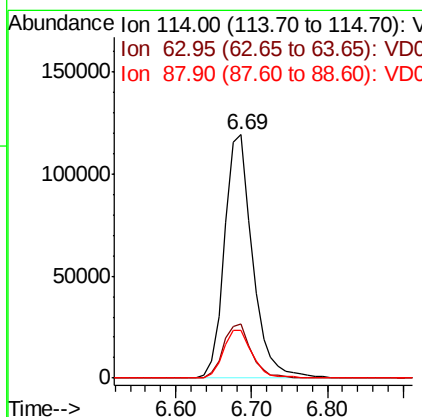
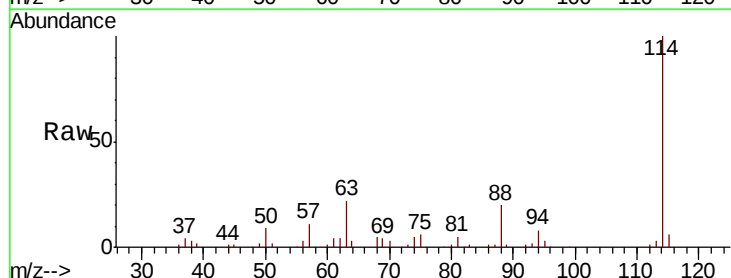
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

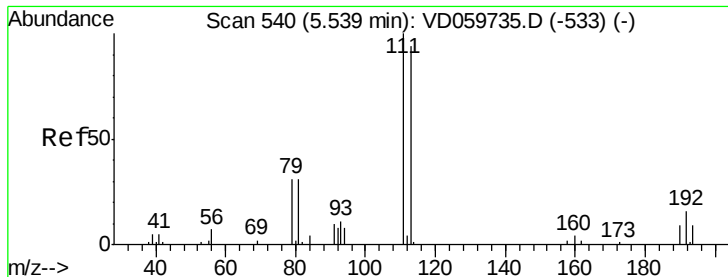
Tot Ion: 65 Resp: 156193
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 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

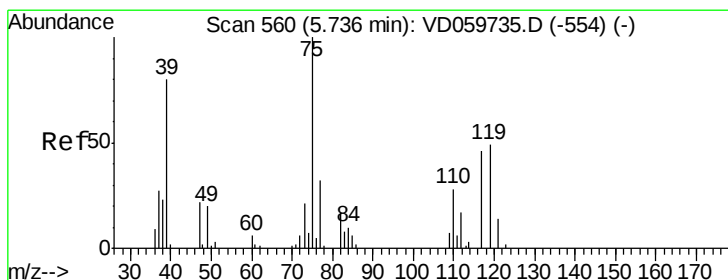
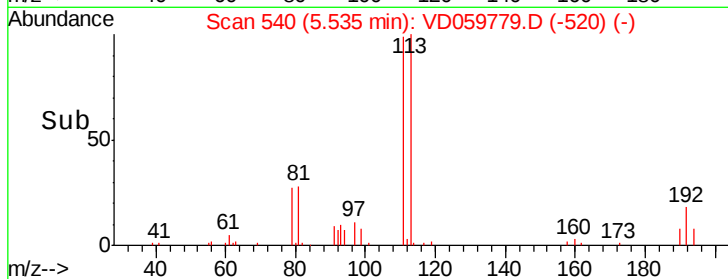
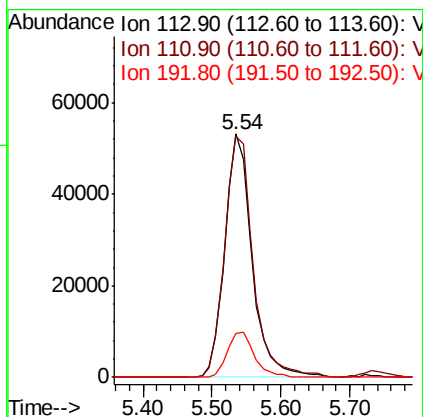
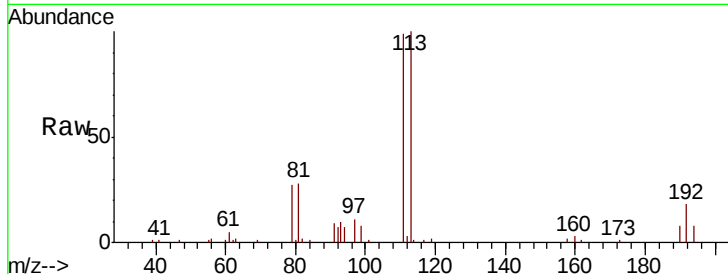




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

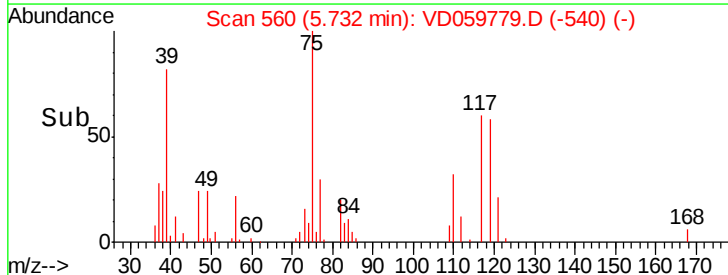
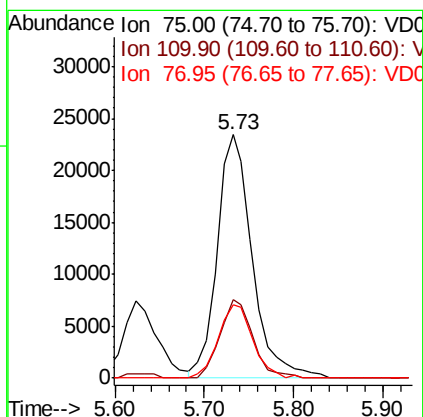
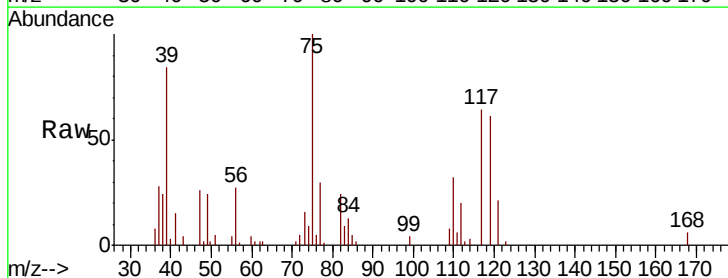
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

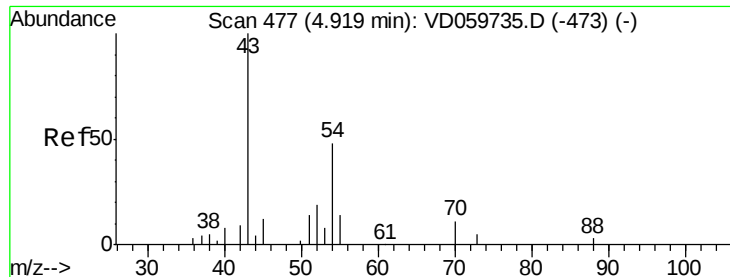
Tot Ion:113 Resp: 145921
Ion Ratio Lower Upper
113 100
111 99.1 85.3 127.9
192 18.3 13.9 20.9



#36
1,1-Dichloropropene
Concen: 18.17 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: 75 Resp: 64414
Ion Ratio Lower Upper
75 100
110 32.2 13.7 41.0
77 30.1 25.4 38.2





#37

Ethyl Acetate

Concen: 22.96 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 :

VD0814SBS01

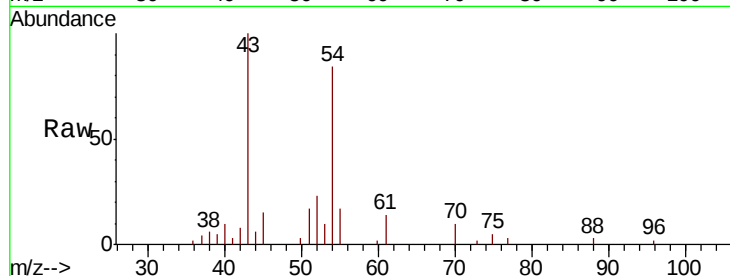
Tot Ion: 43 Resp: 35808

Ion Ratio Lower Upper

43 100

61 14.4 7.4 11.0#

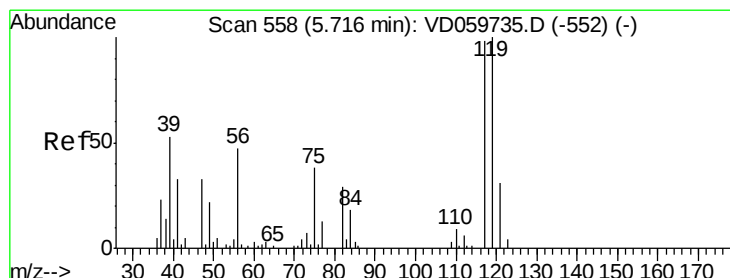
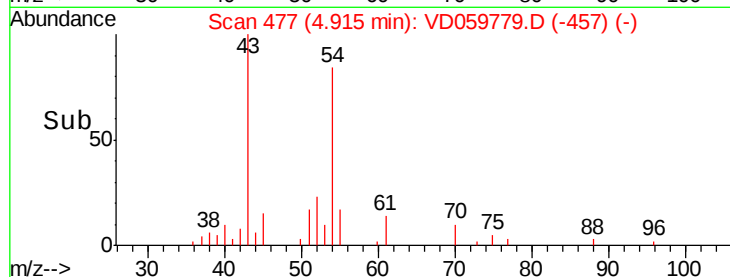
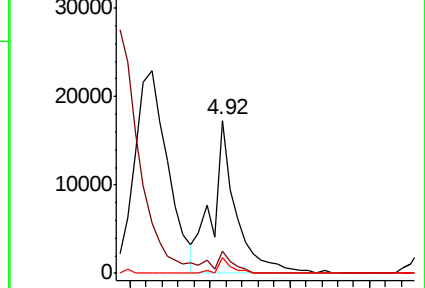
70 10.1 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 13.86 ug/l

RT: 5.71 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

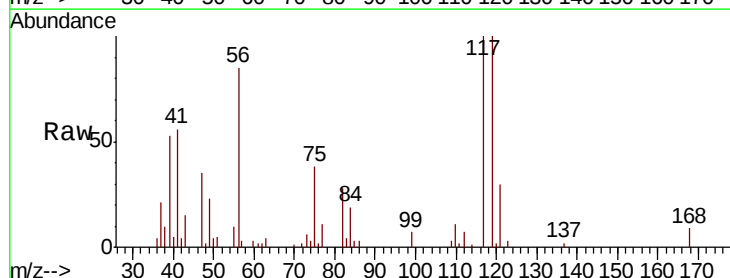
Tgt Ion: 117 Resp: 77303

Ion Ratio Lower Upper

117 100

119 99.8 78.2 117.2

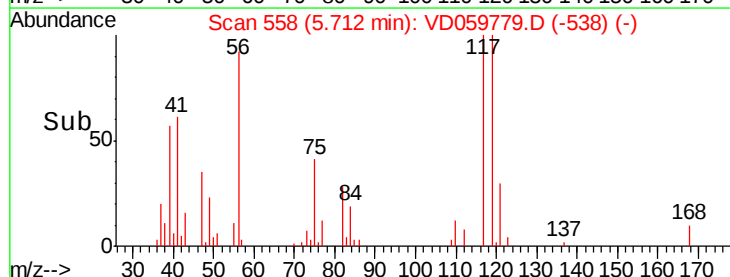
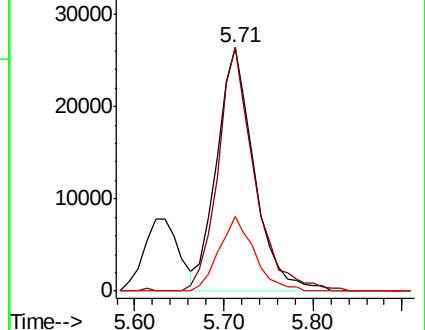
121 30.5 23.9 35.9

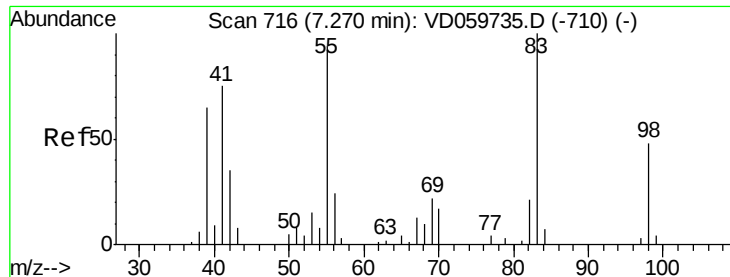


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

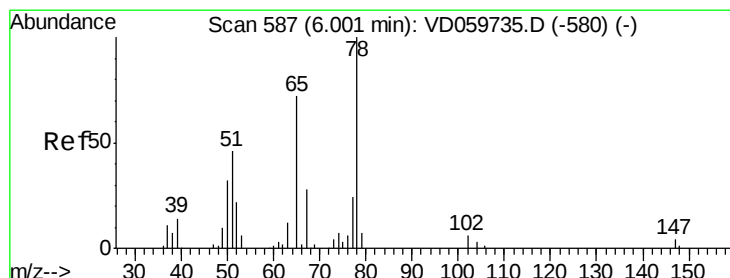
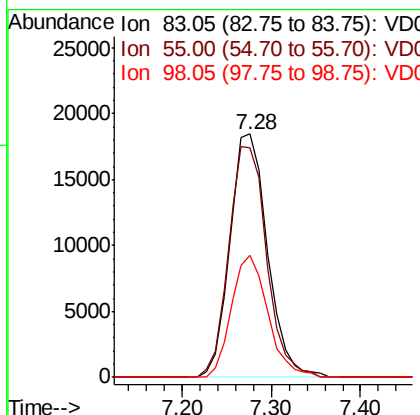
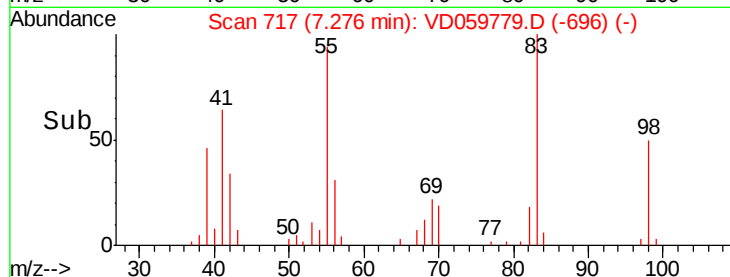
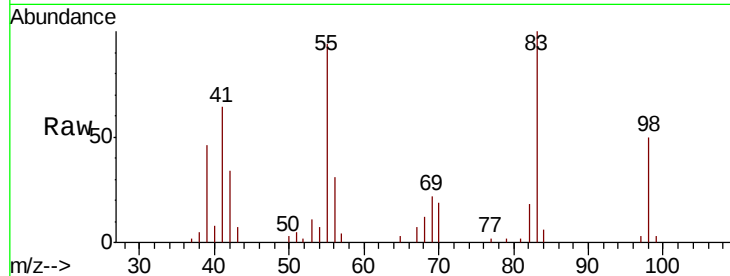




#39
Methylcyclohexane
Concen: 20.65 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

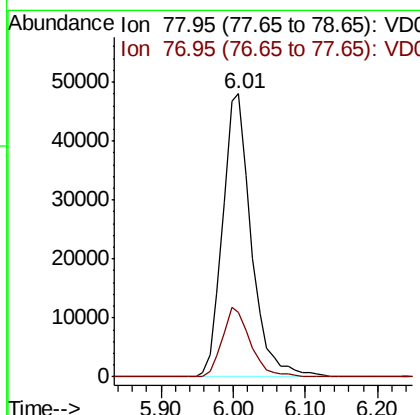
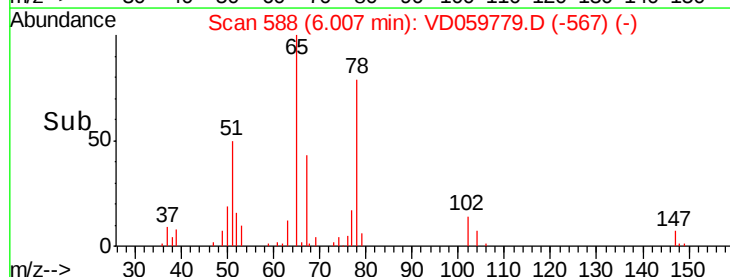
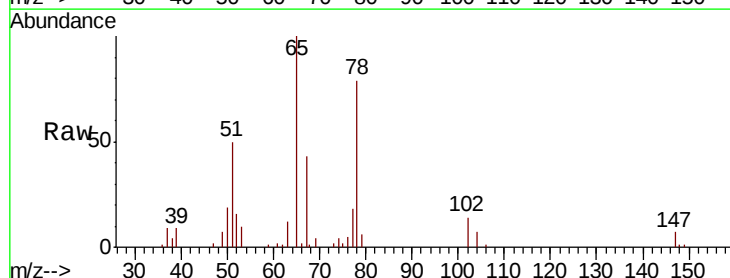
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

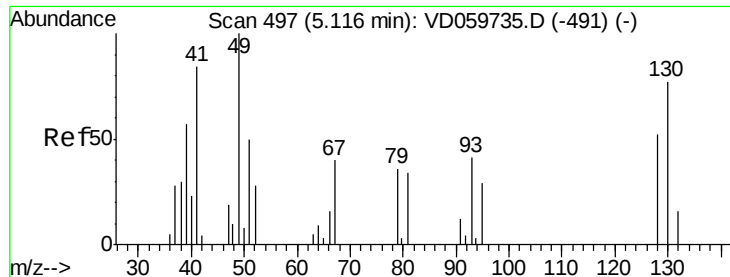
Tot Ion: 83 Resp: 54246
Ion Ratio Lower Upper
83 100
55 94.2 75.1 112.7
98 50.2 38.7 58.1



#40
Benzene
Concen: 21.37 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

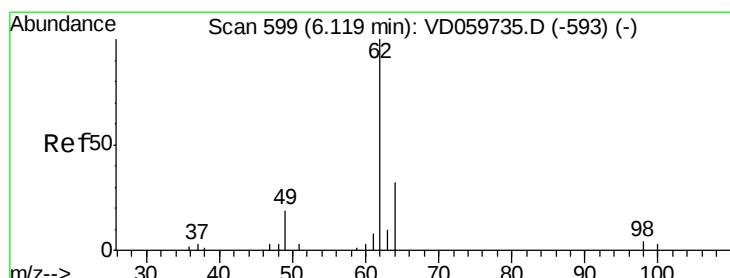
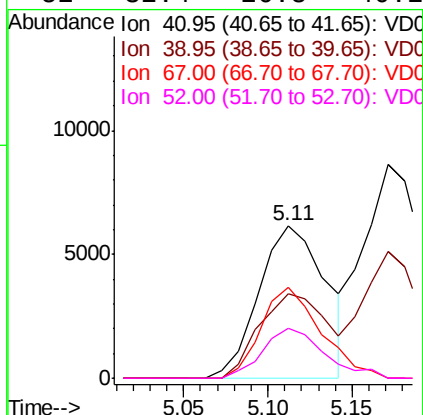
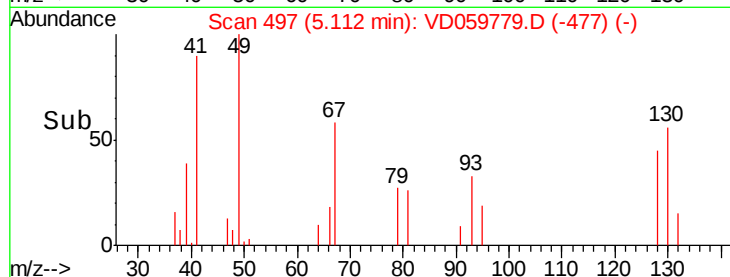
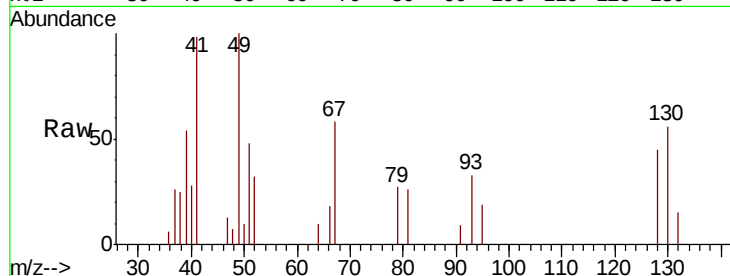




#41
Methacrylonitrile
Concen: 23.16 ug/l
RT: 5.11 min Scan# 497
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

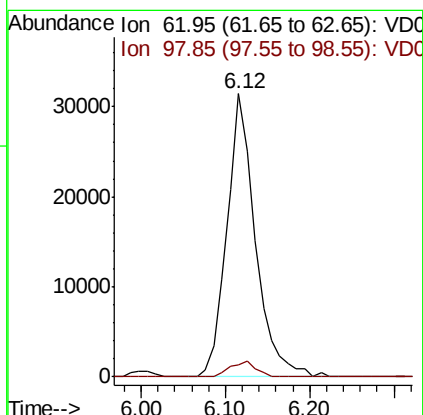
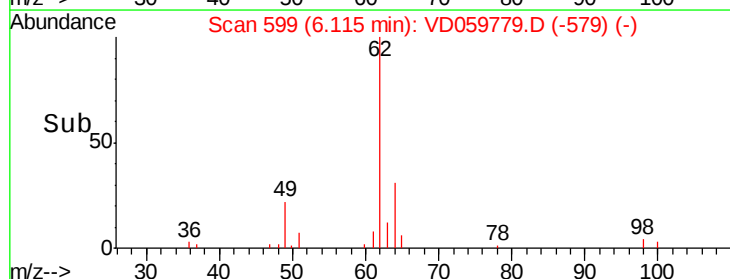
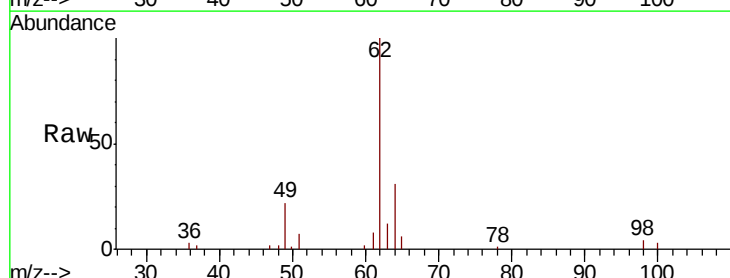
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

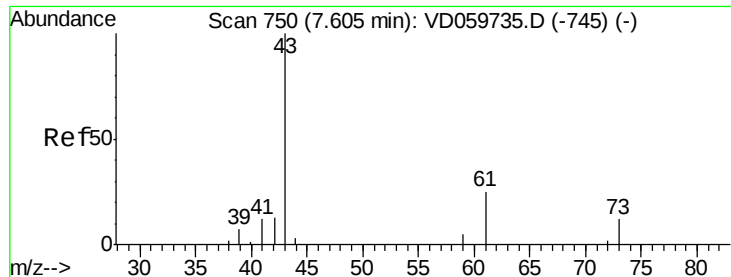
Tot Ion: 41 Resp: 16978
Ion Ratio Lower Upper
41 100
39 55.0 54.3 81.5
67 59.3 38.2 57.2#
52 32.4 26.8 40.2



#42
1,2-Dichloroethane
Concen: 15.10 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





#43

Isopropyl Acetate

Concen: 21.50 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 :

VD0814SBSD01

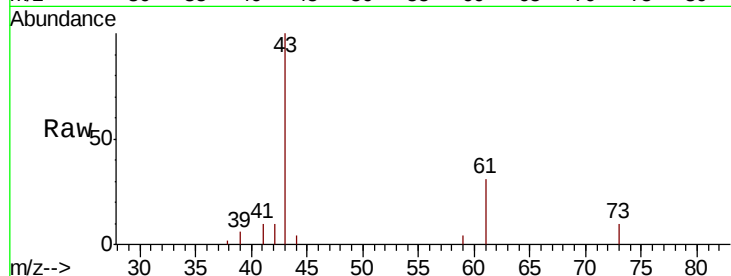
Tot Ion: 43 Resp: 42250

Ion Ratio Lower Upper

43 100

61 30.9 19.8 29.8#

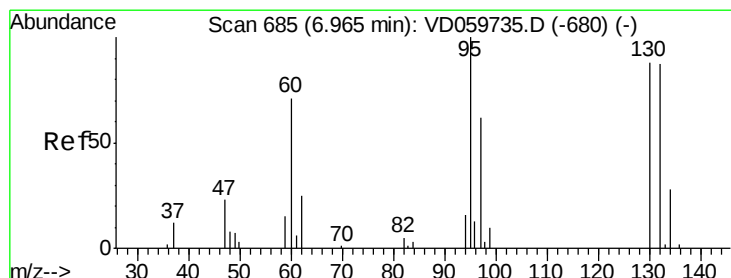
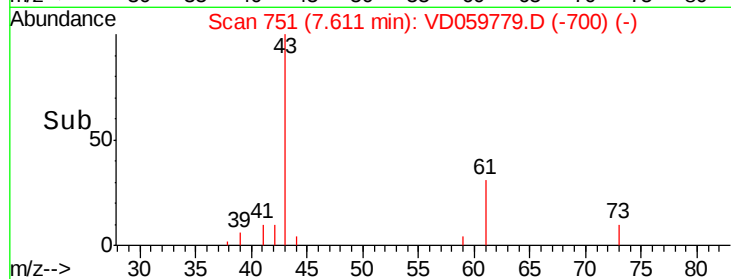
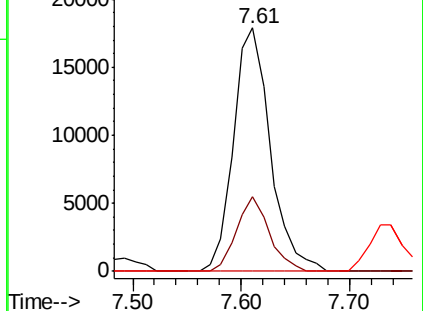
87 0.0 0.0 0.0



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: 18.87 ug/l

RT: 6.97 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD059779.D

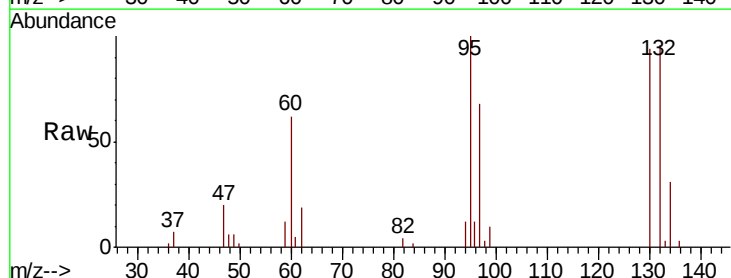
Acq: 14 Aug 2018 21:05

Tgt Ion: 130 Resp: 47021

Ion Ratio Lower Upper

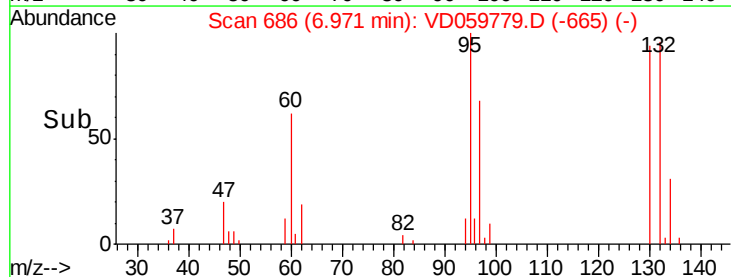
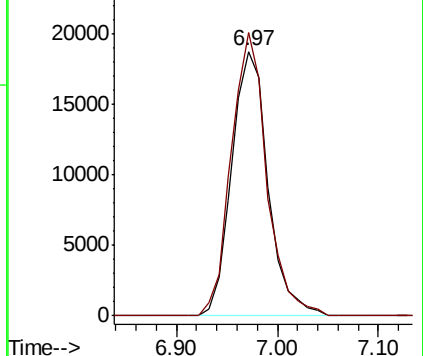
130 100

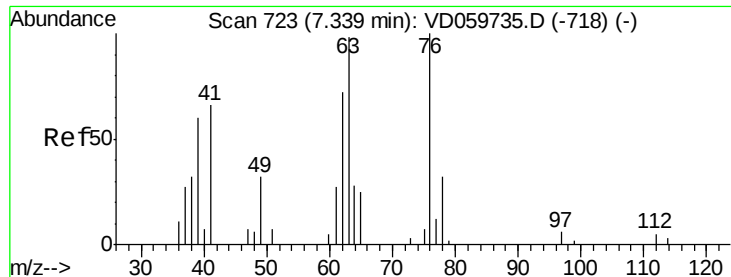
95 107.0 0.0 226.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.69 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 :

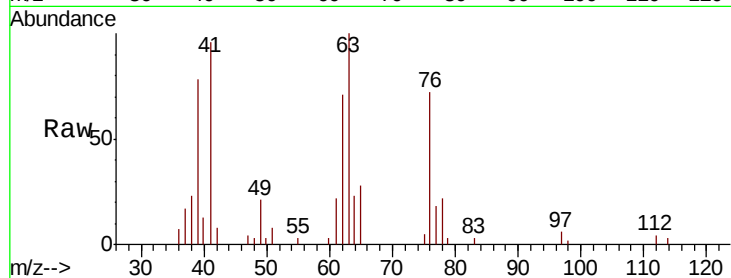
VD0814SBSD01

Tot Ion: 63 Resp: 35702

Ion Ratio Lower Upper

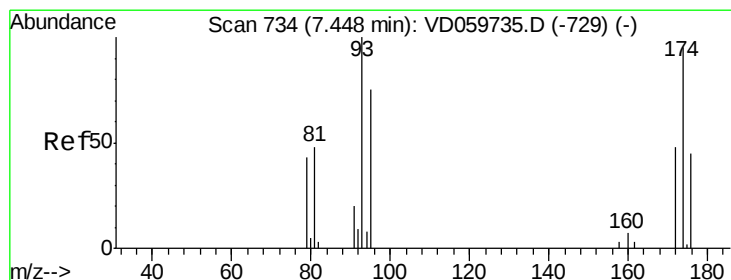
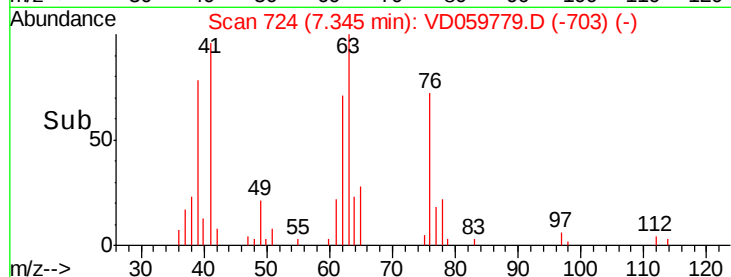
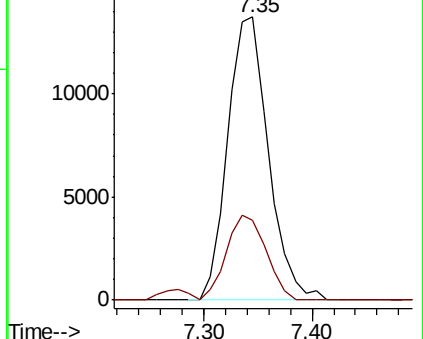
63 100

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



#46

Dibromomethane

Concen: 17.80 ug/l

RT: 7.45 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

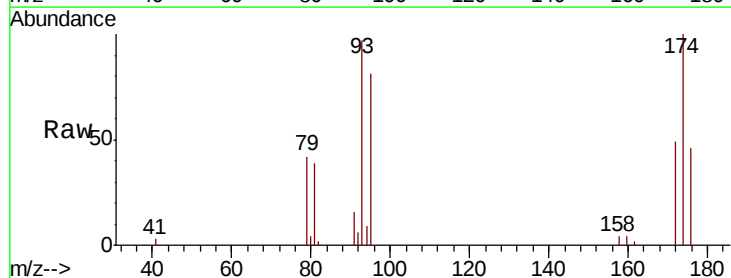
Tgt Ion: 93 Resp: 29748

Ion Ratio Lower Upper

93 100

95 83.2 60.2 90.2

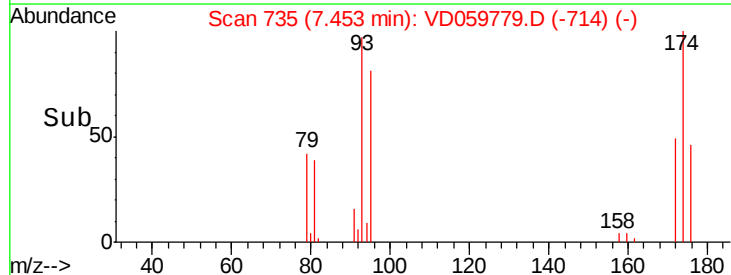
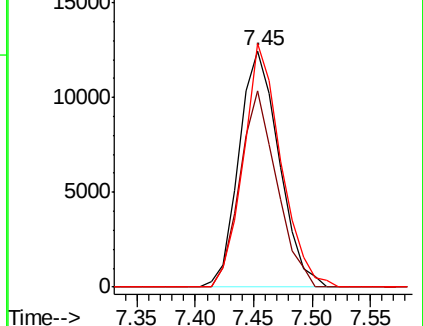
174 103.2 75.6 113.4

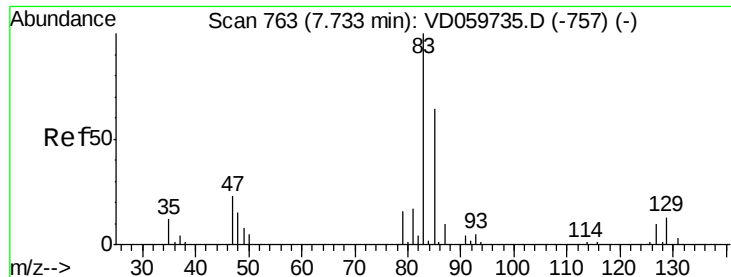


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 16.45 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 :

VD0814SBSD01

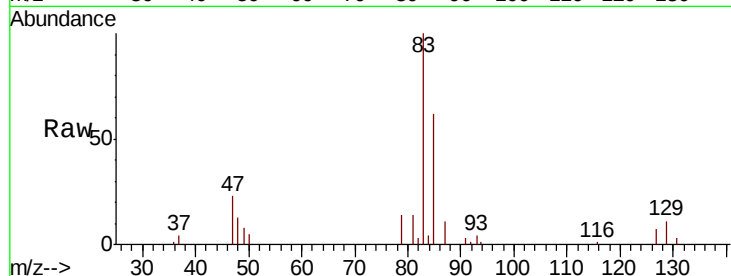
Tot Ion: 83 Resp: 72626

Ion Ratio Lower Upper

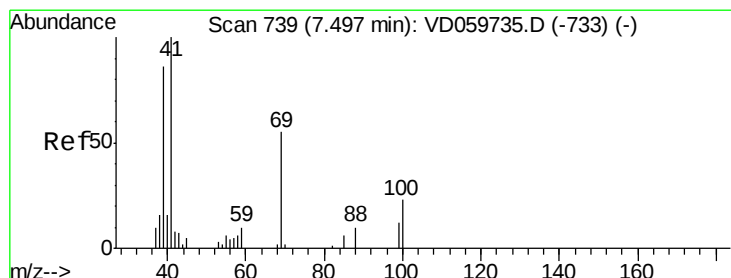
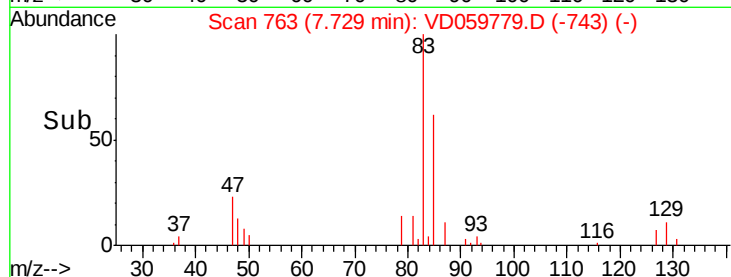
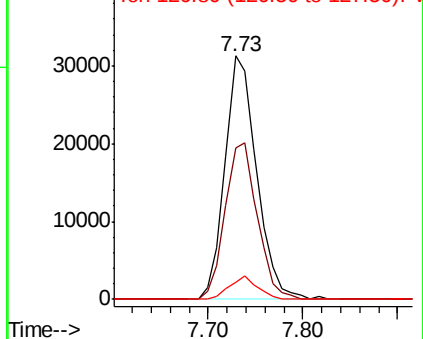
83 100

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: 18.47 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

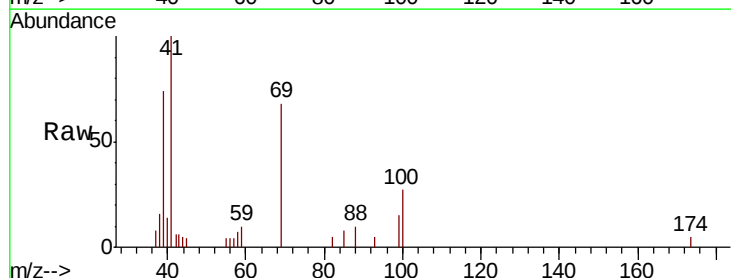
Tgt Ion: 41 Resp: 26489

Ion Ratio Lower Upper

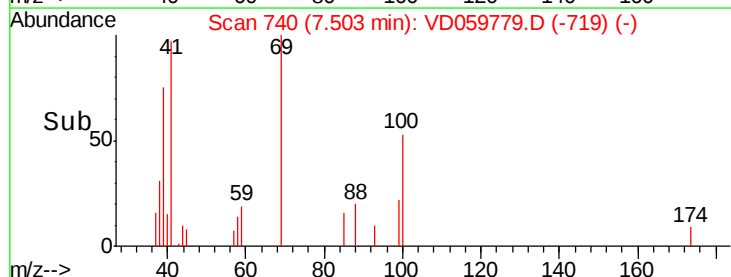
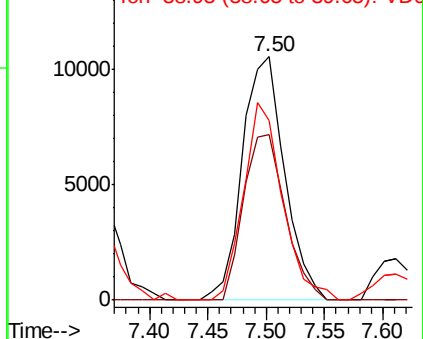
41 100

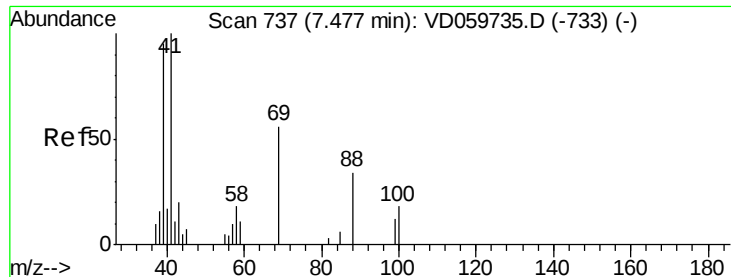
69 67.9 43.8 65.6#

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

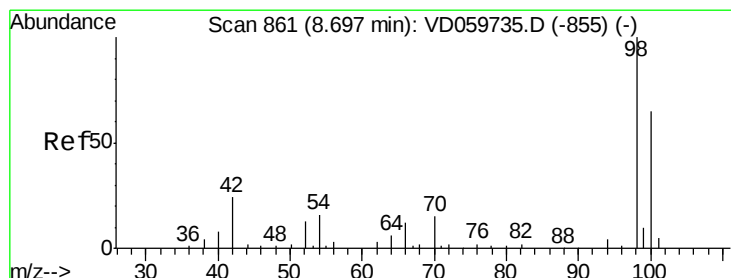
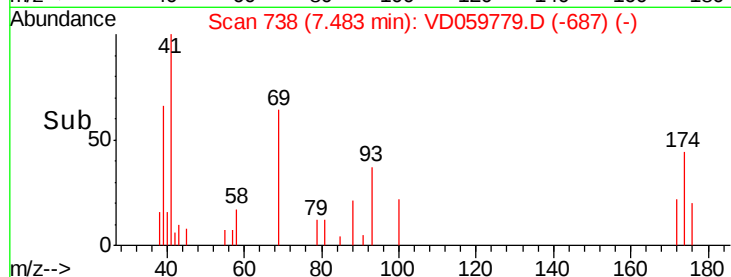
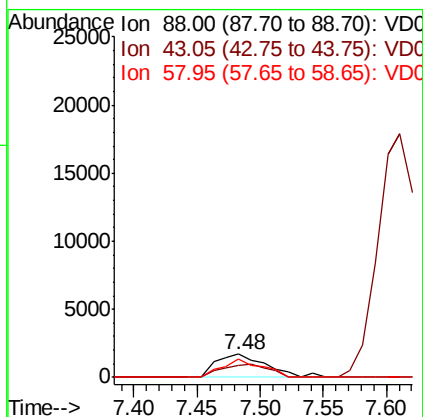
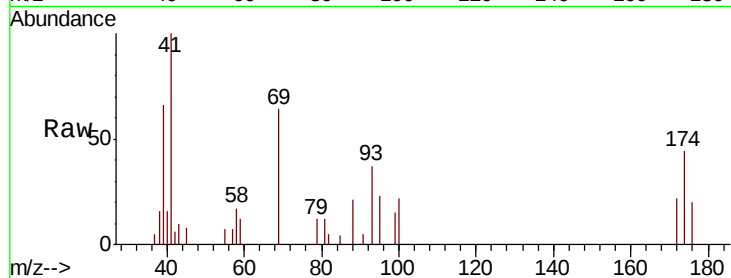




#49
 1,4-Dioxane
 Concen: 467.65 ug/l
 RT: 7.48 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

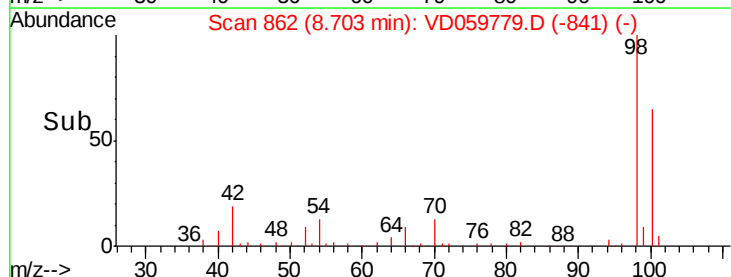
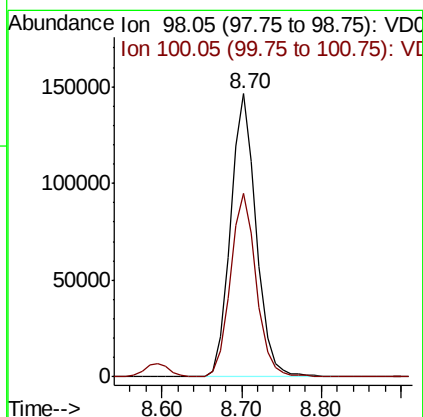
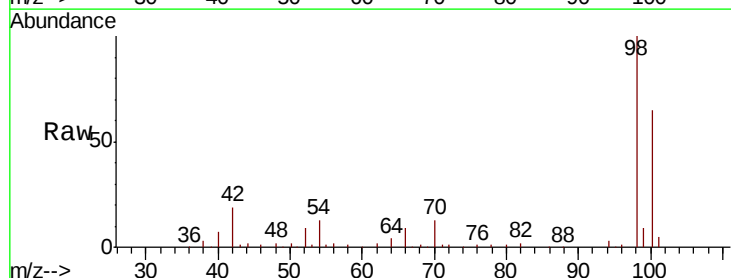
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

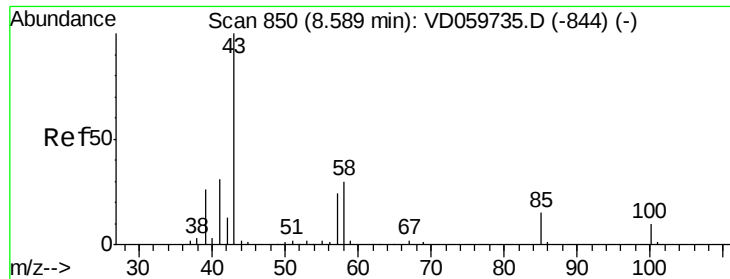
Tot Ion: 88 Resp: 4741
 Ion Ratio Lower Upper
 88 100
 43 48.7 46.7 70.1
 58 78.3 42.1 63.1#



#50
 Toluene-d8
 Concen: 467.65 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: 94.04 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

ClientSampleId :

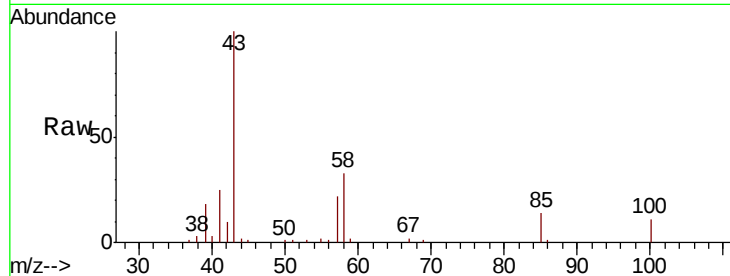
VD0814SBS01

Tot Ion: 43 Resp: 142425

Ion Ratio Lower Upper

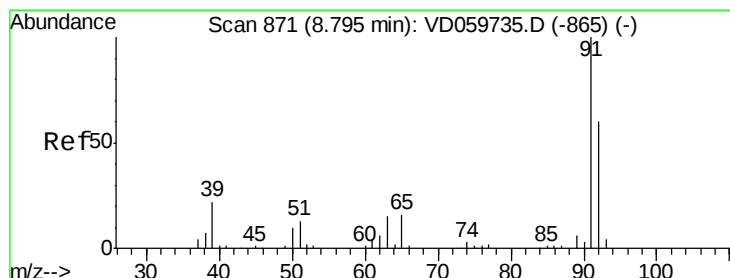
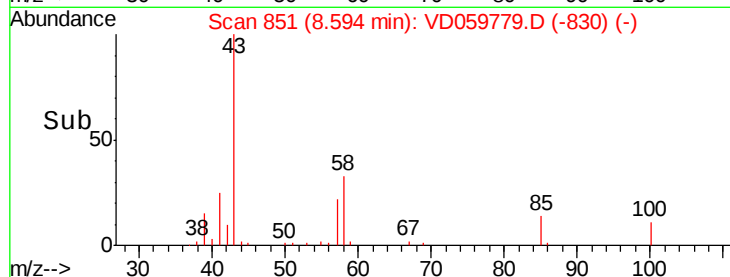
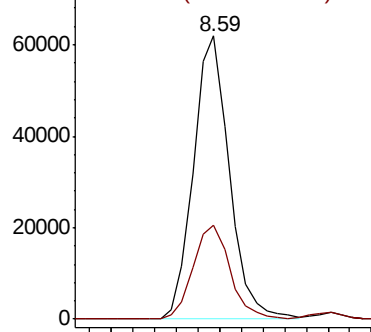
43 100

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: 22.91 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059779.D

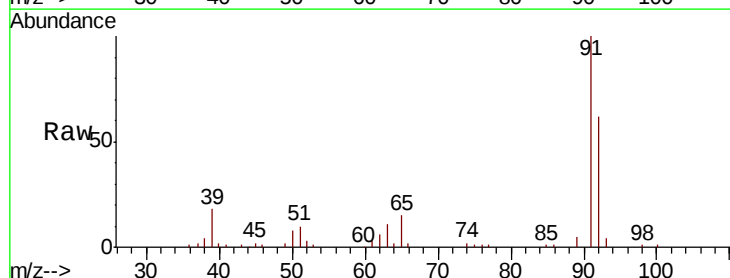
Acq: 14 Aug 2018 21:05

Tgt Ion: 92 Resp: 91042

Ion Ratio Lower Upper

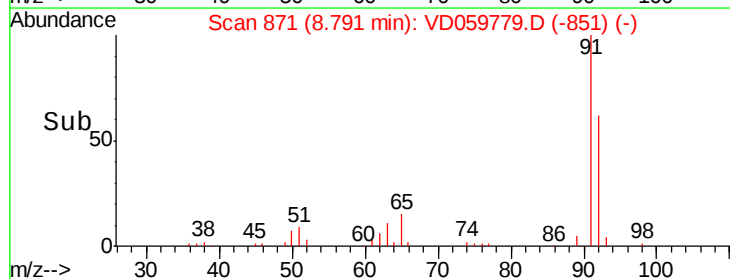
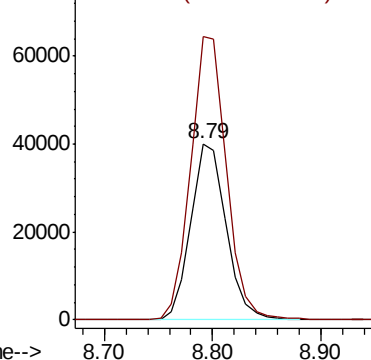
92 100

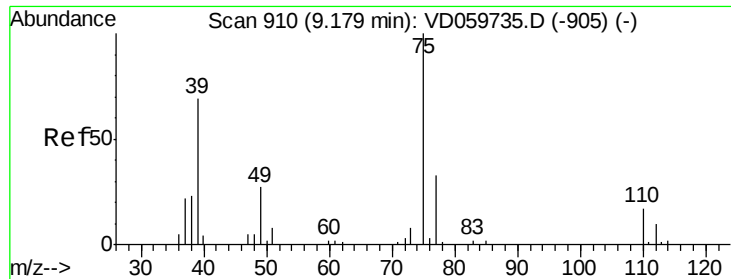
91 160.8 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

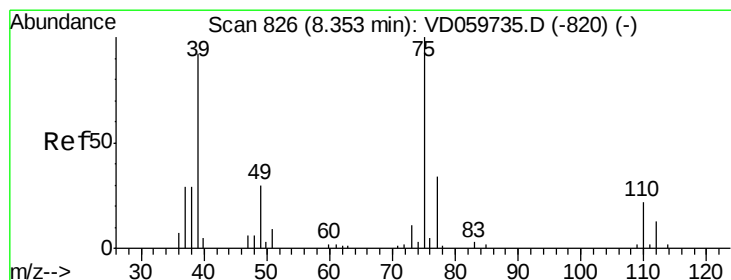
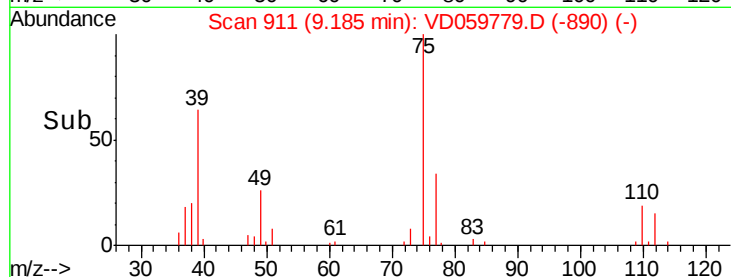
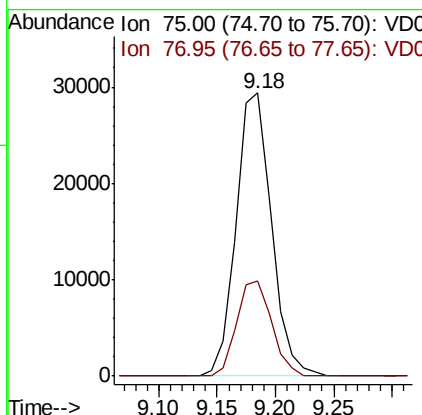
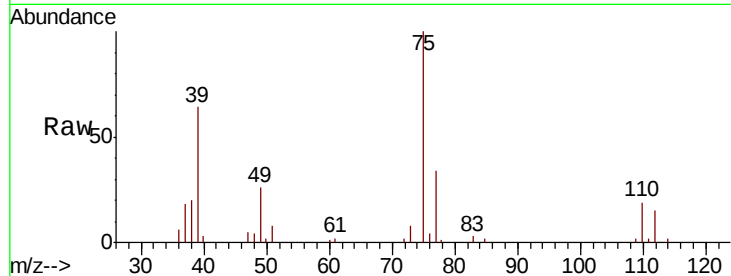




#53
 t-1,3-Dichloropropene
 Concen: 17.40 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

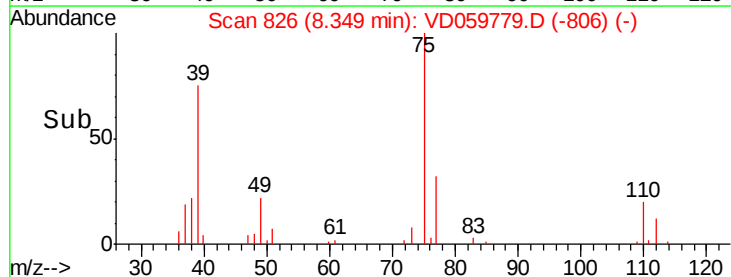
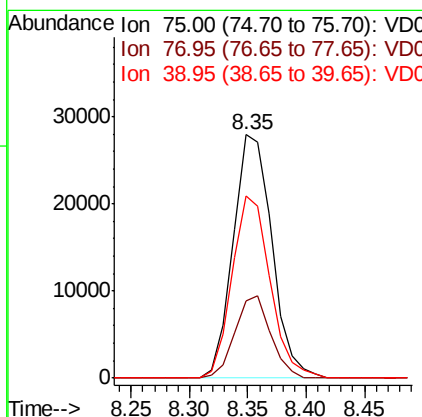
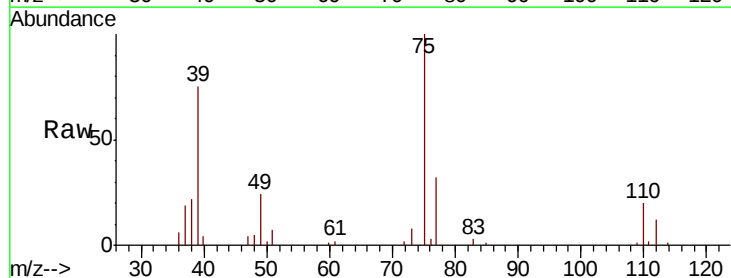
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

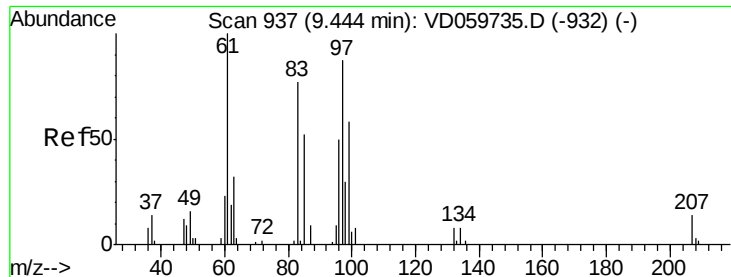
Tot Ion: 75 Resp: 61745
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.89 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





#55

1,1,2-Trichloroethane

Concen: 20.95 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

ClientSampleId :

VD0814SBSD01

Tot Ion: 97 Resp: 32822

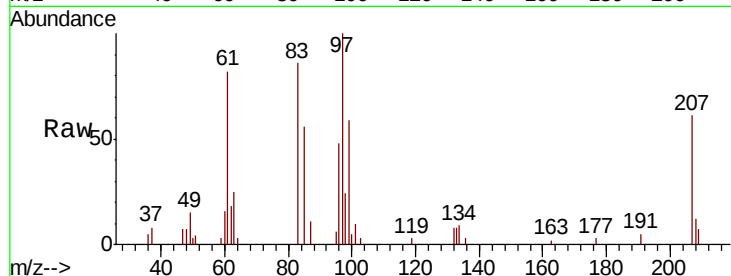
Ion Ratio Lower Upper

97 100

83 85.8 70.4 105.6

85 56.4 47.6 71.4

99 58.8 53.1 79.7

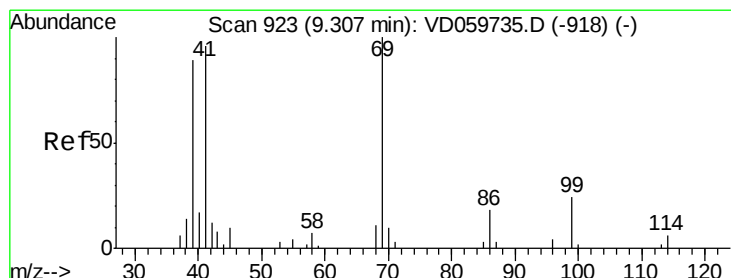
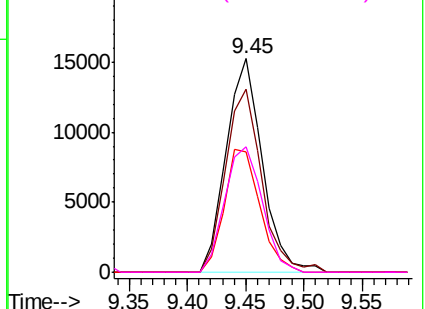
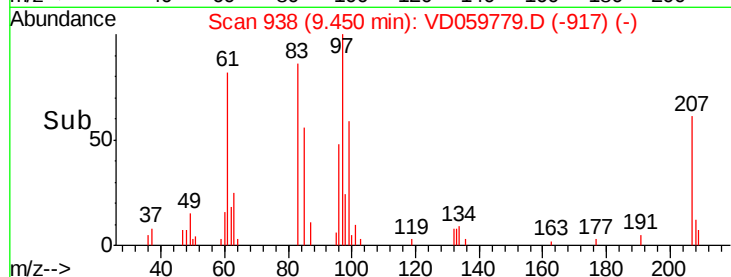


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.23 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

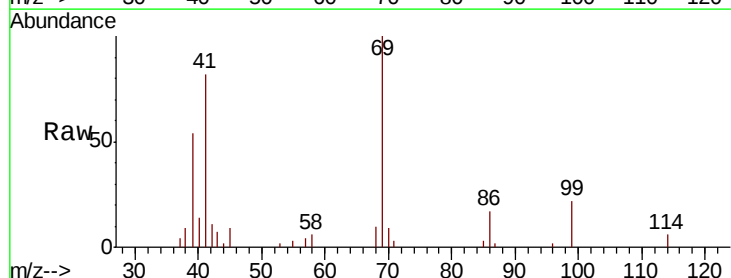
Tgt Ion: 69 Resp: 37898

Ion Ratio Lower Upper

69 100

41 81.5 76.7 115.1

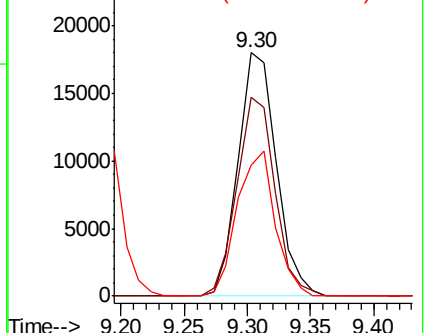
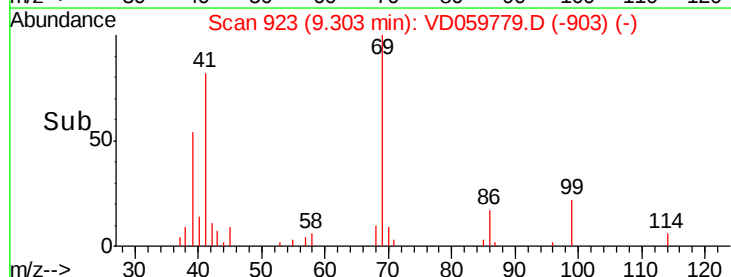
39 53.8 71.0 106.4#

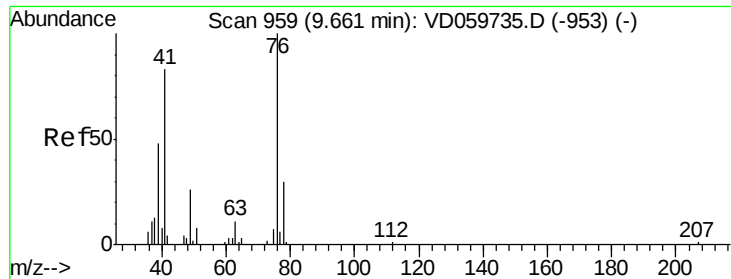


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.09 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

ClientSampleId :

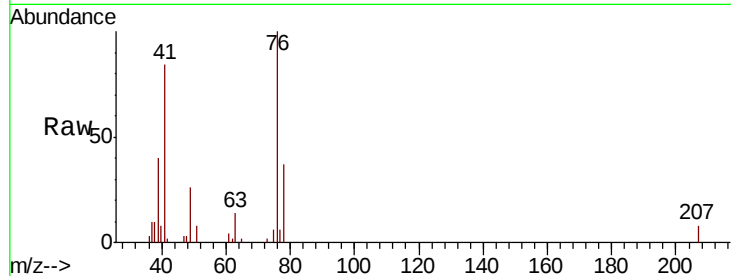
VD0814SBSD01

Tot Ion: 76 Resp: 49783

Ion Ratio Lower Upper

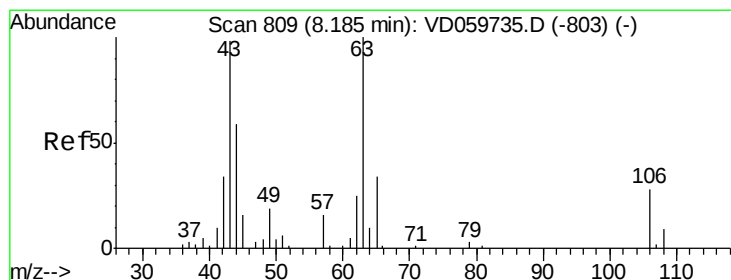
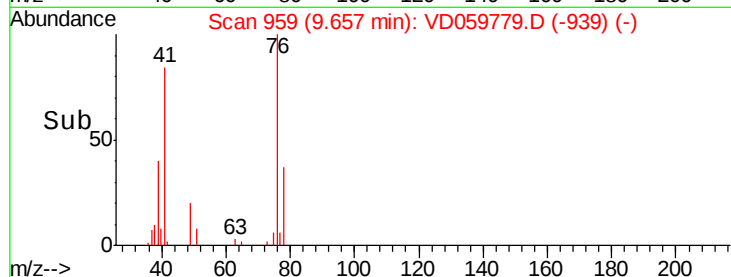
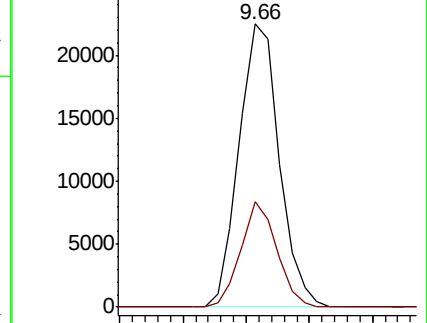
76 100

78 37.2 23.8 35.8#



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 120.03 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059779.D

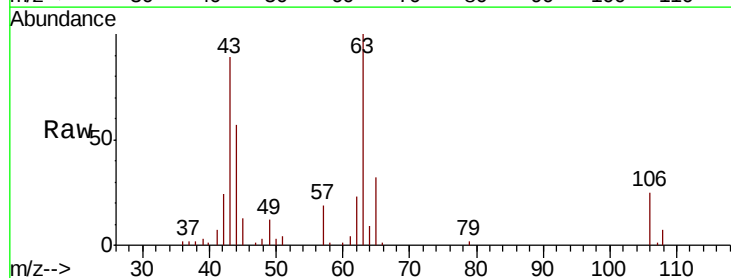
Acq: 14 Aug 2018 21:05

Tgt Ion: 63 Resp: 99251

Ion Ratio Lower Upper

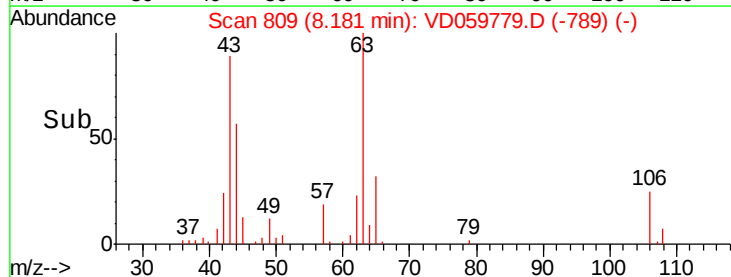
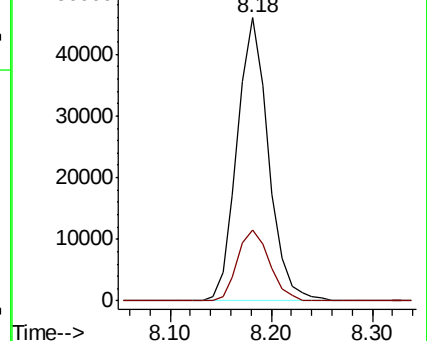
63 100

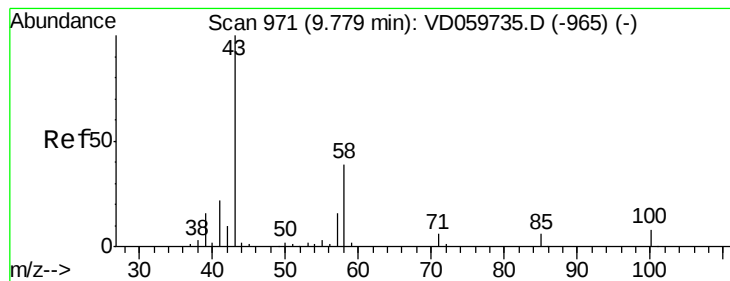
106 25.2 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 95.48 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 :

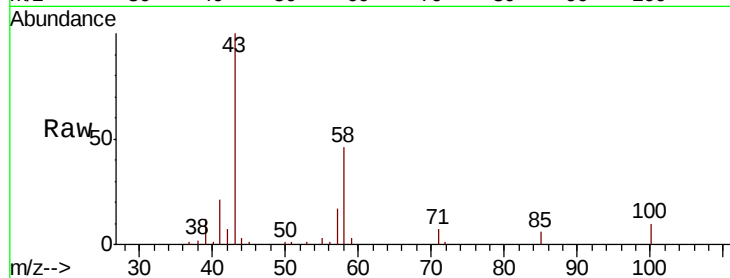
VD0814SBSD01

Tot Ion: 43 Resp: 108206

Ion Ratio Lower Upper

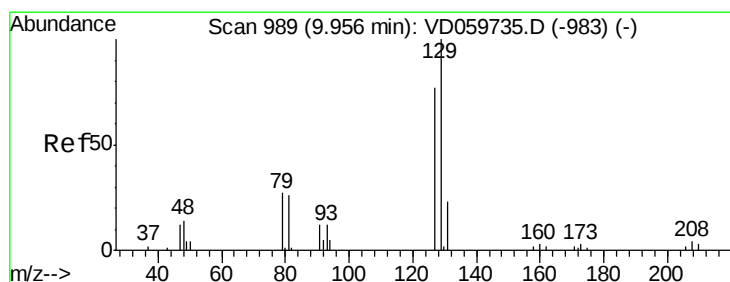
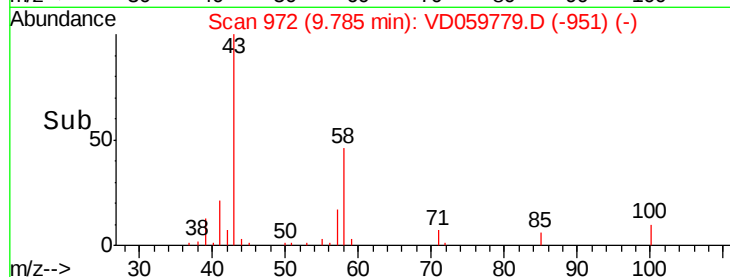
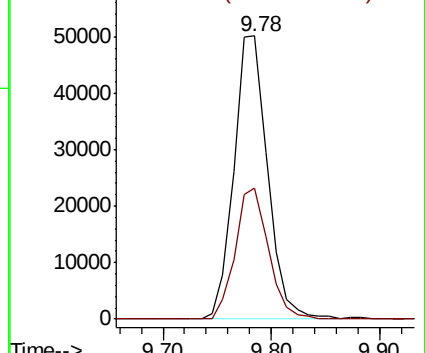
43 100

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: 16.47 ug/l

RT: 9.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD059779.D

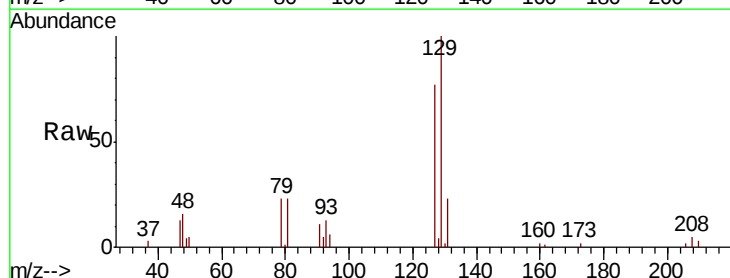
Acq: 14 Aug 2018 21:05

Tgt Ion:129 Resp: 49790

Ion Ratio Lower Upper

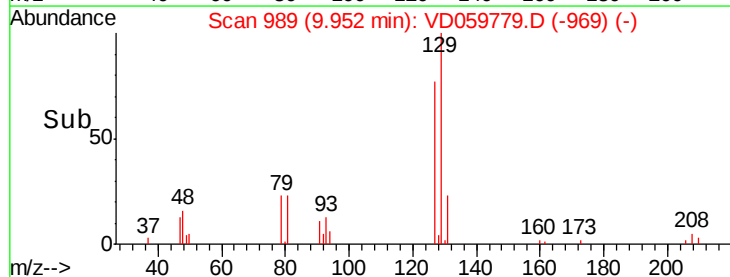
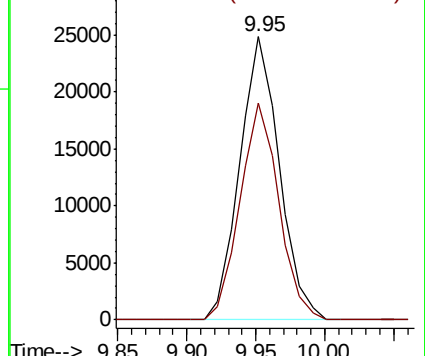
129 100

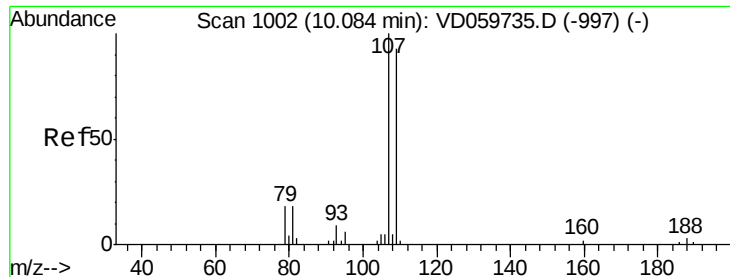
127 76.7 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

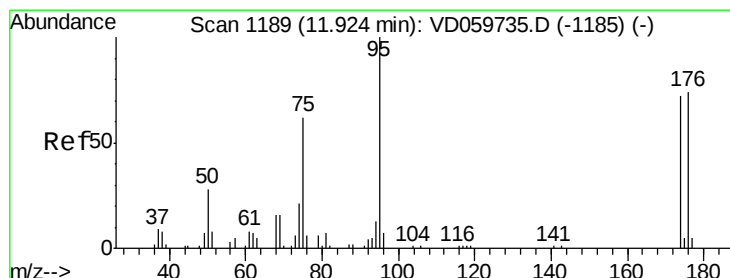
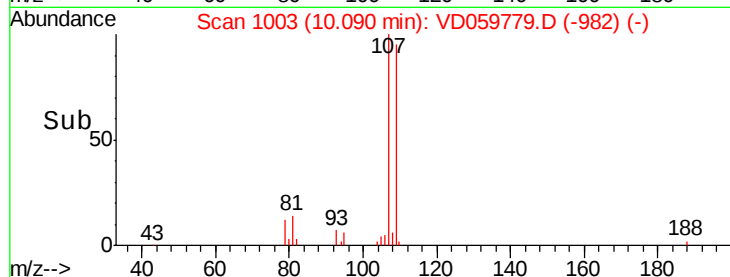
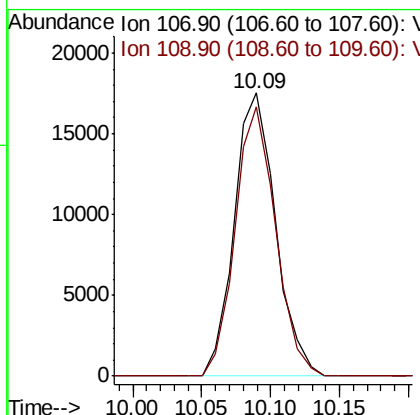
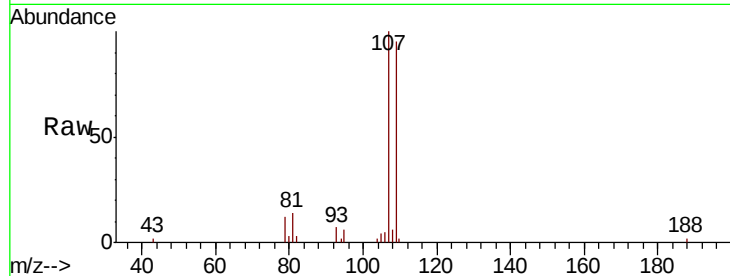




#61
 1,2-Dibromoethane
 Concen: 18.61 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

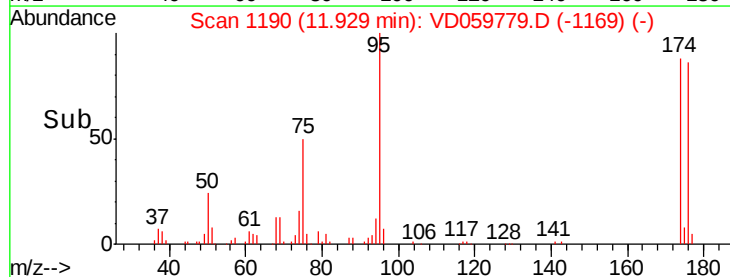
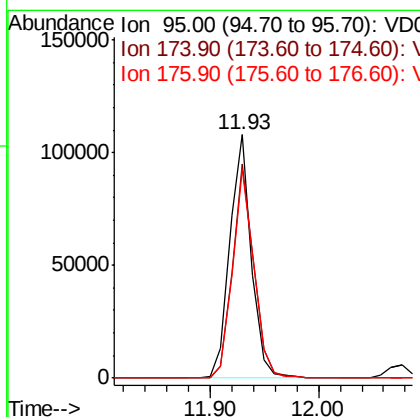
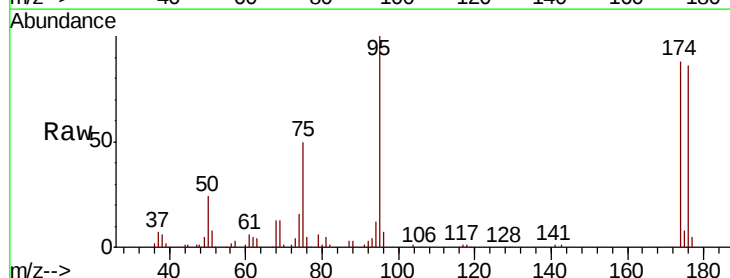
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

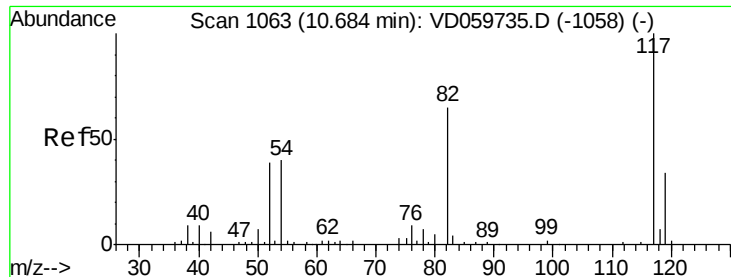
Tot Ion:107 Resp: 36468
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 18.61 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

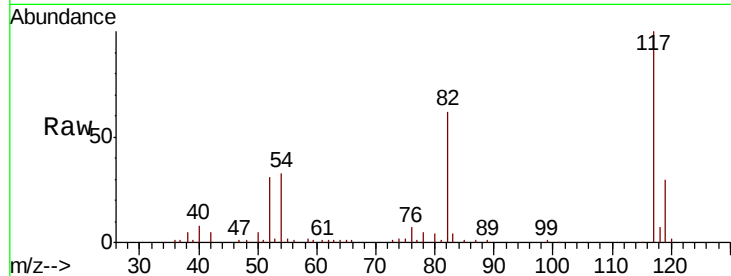




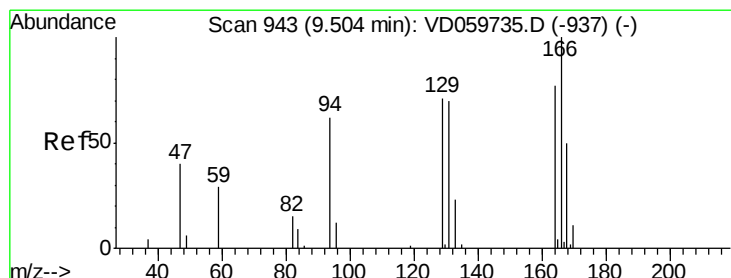
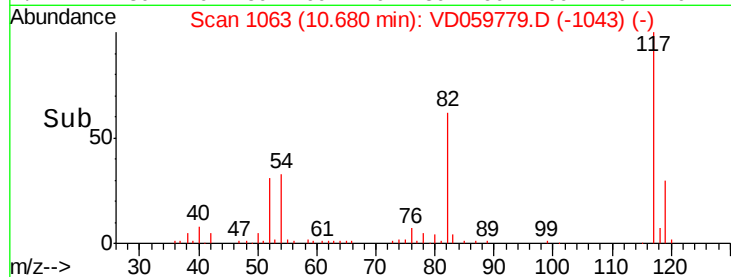
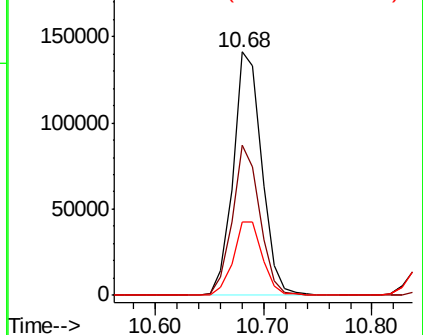
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

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

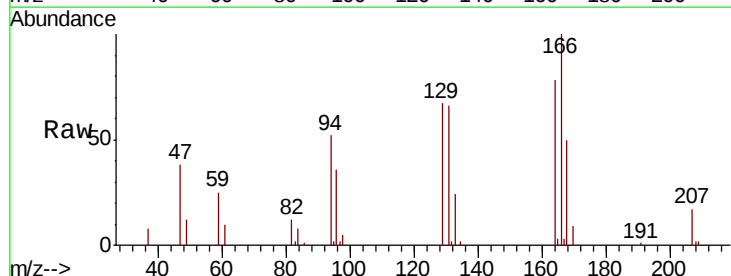


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

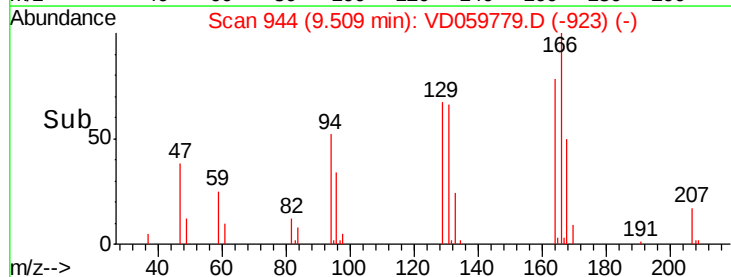
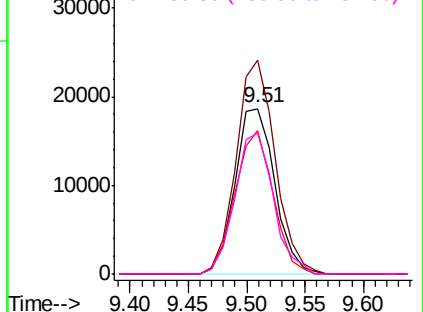


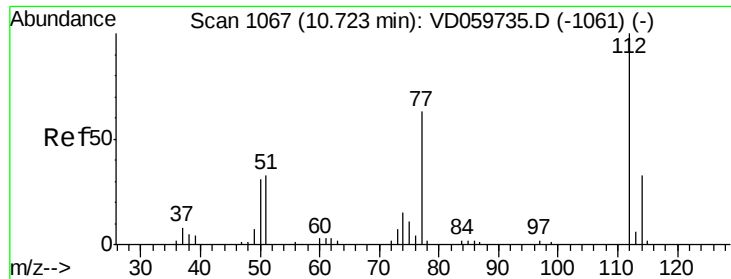
#64
Tetrachloroethene
Concen: 17.37 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

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

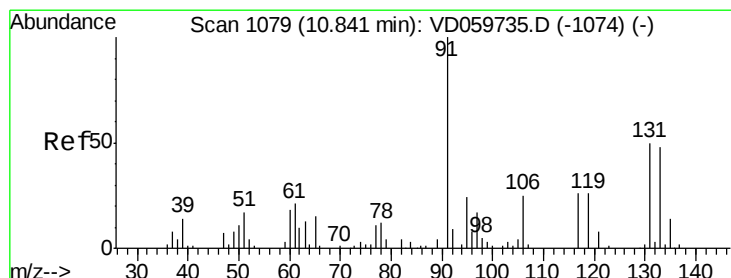
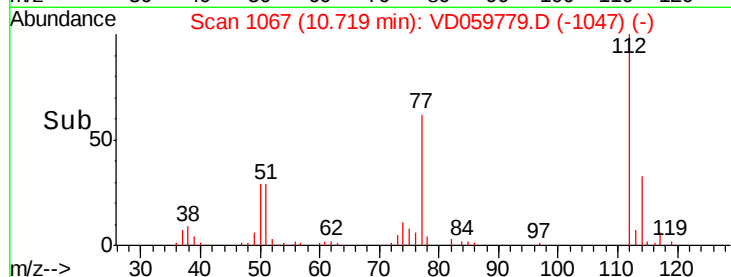
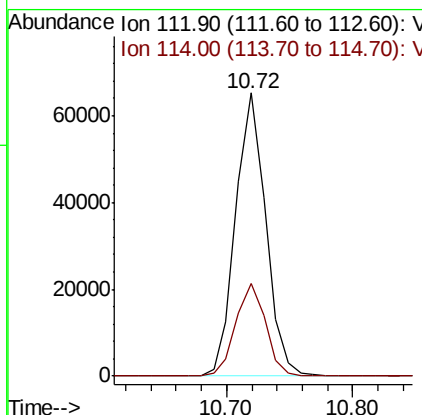
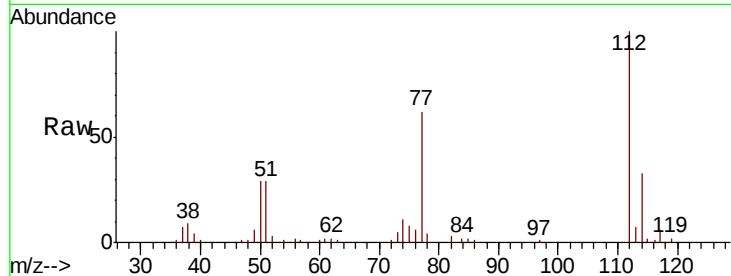




#65
Chlorobenzene
Concen: 20.47 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

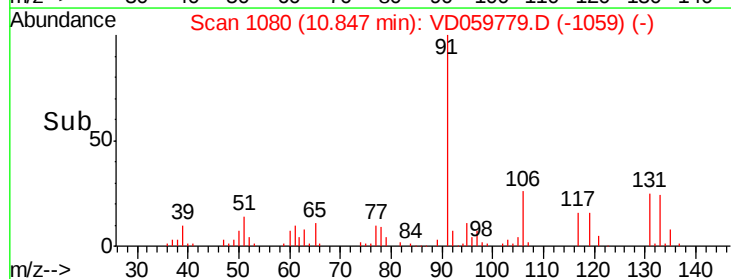
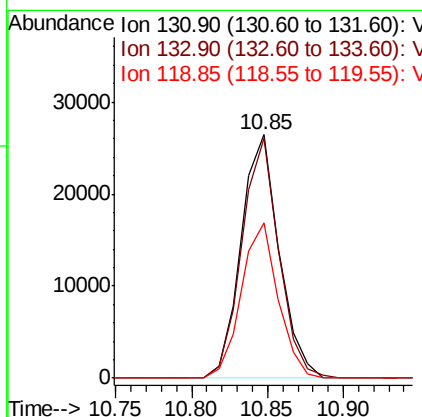
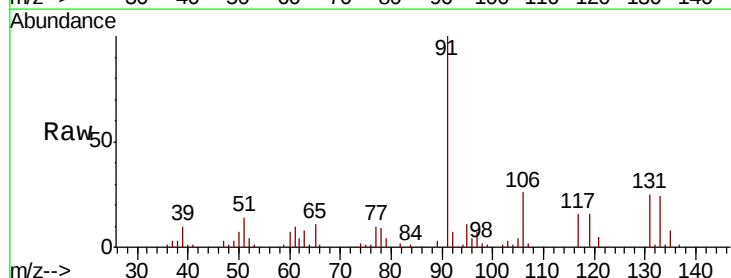
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

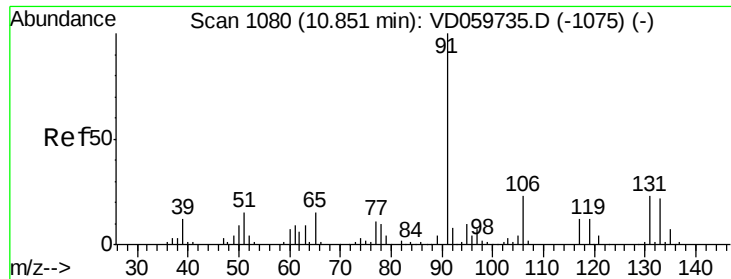
Tot Ion:112 Resp: 107907
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.32 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

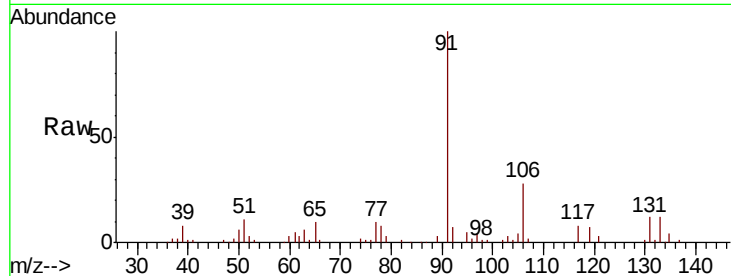




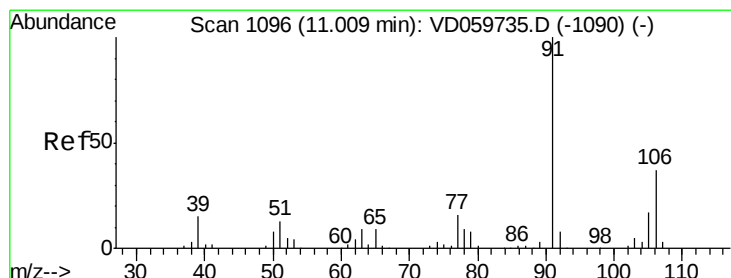
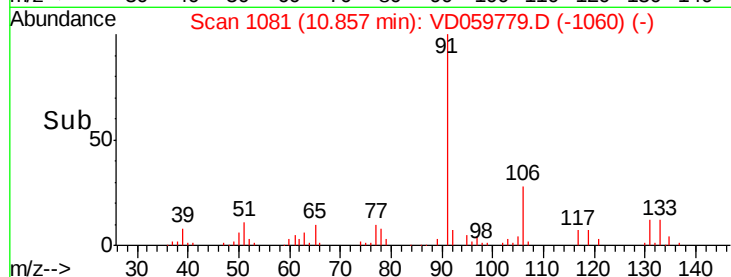
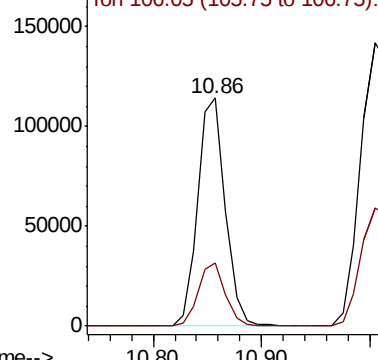
#67
Ethyl Benzene
Concen: 20.43 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

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

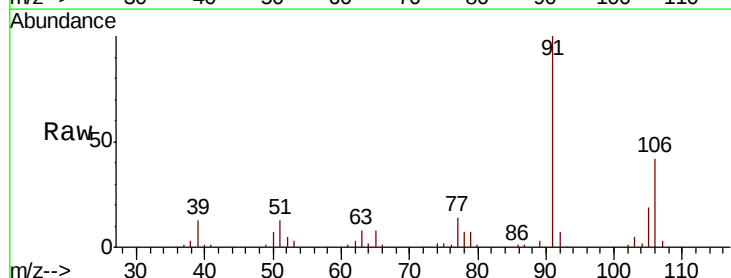


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

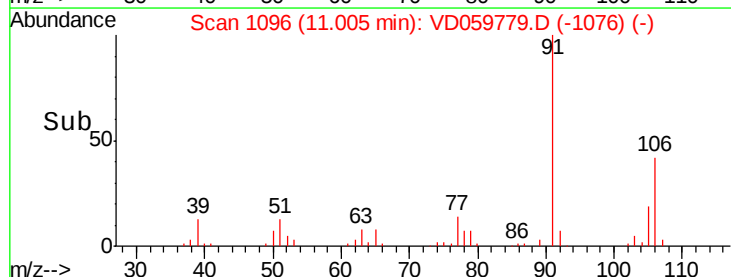
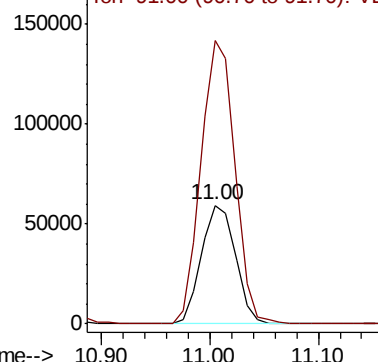


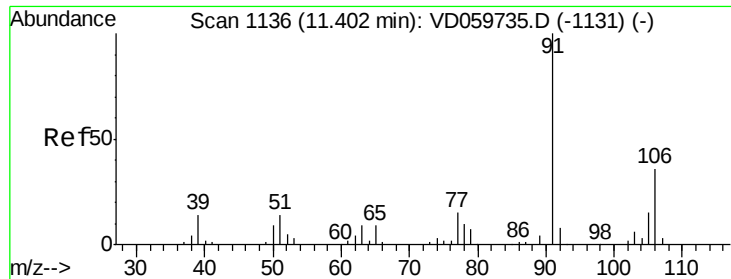
#68
m/p-Xylenes
Concen: 41.02 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

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



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

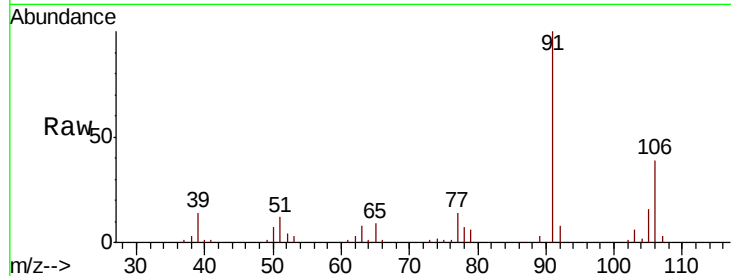




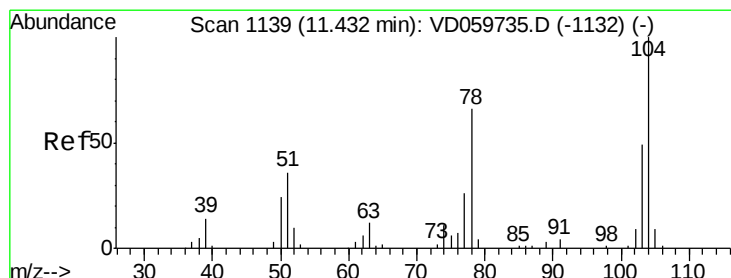
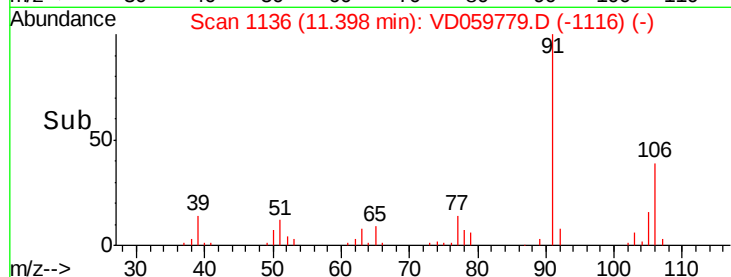
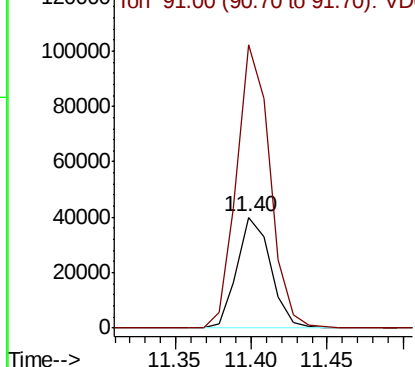
#69
o-Xylene
Concen: 20.10 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

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

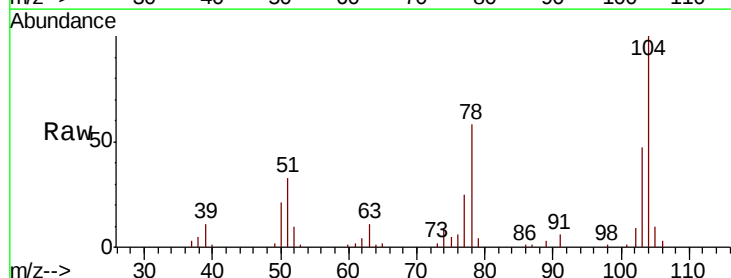


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

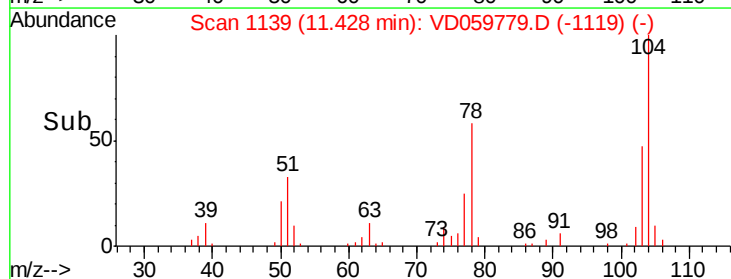
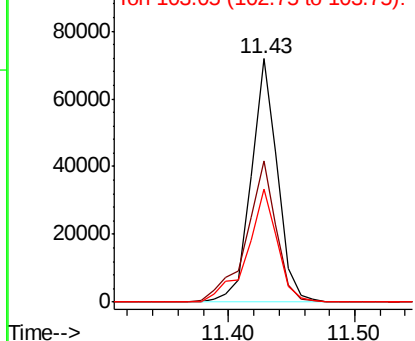


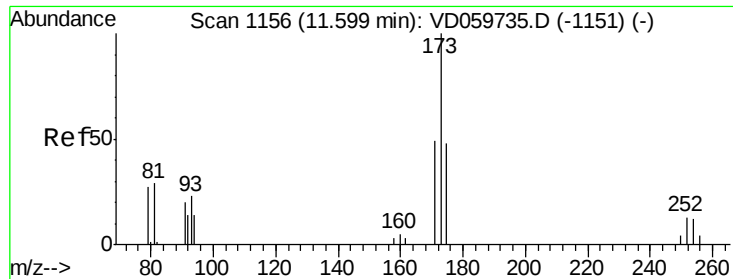
#70
Styrene
Concen: 20.56 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

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): V
Ion 103.05 (102.75 to 103.75): V

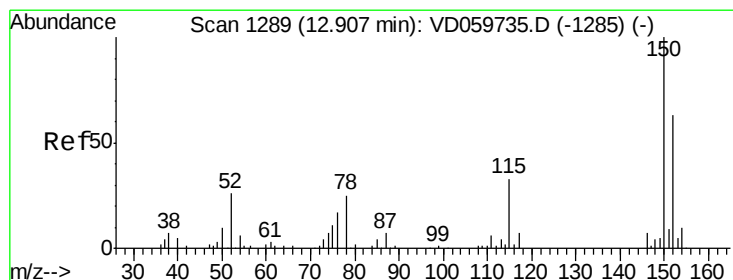
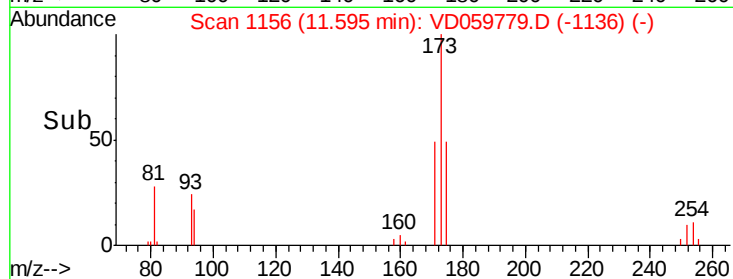
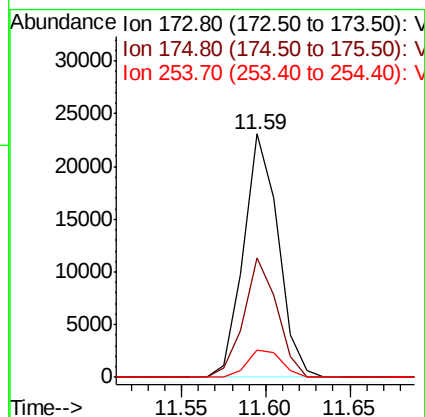
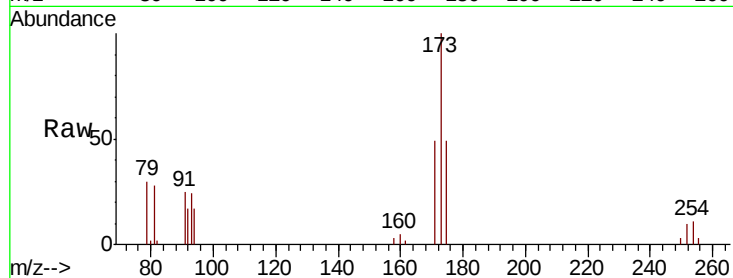




#71
Bromoform
Concen: 16.32 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

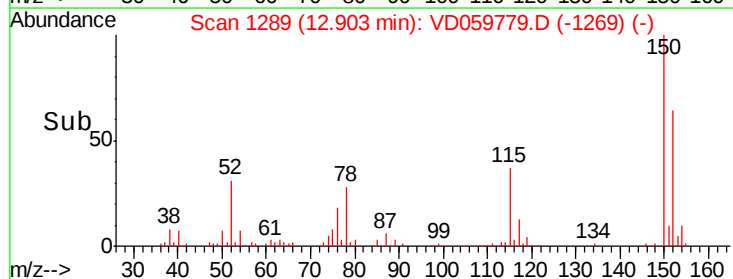
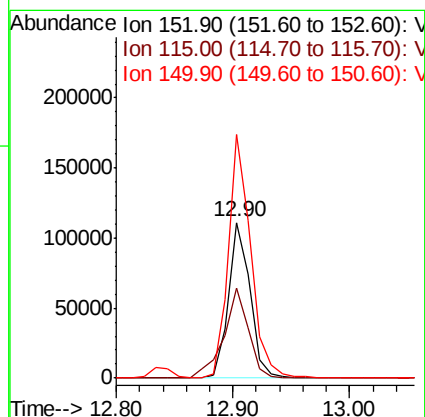
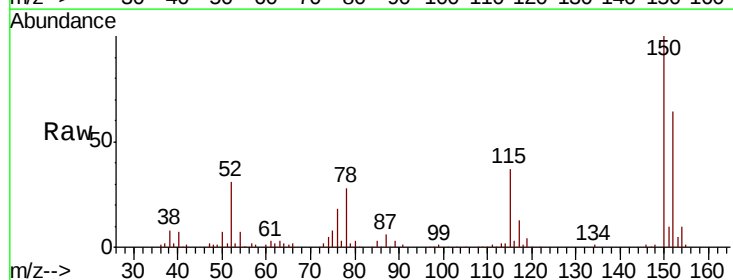
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

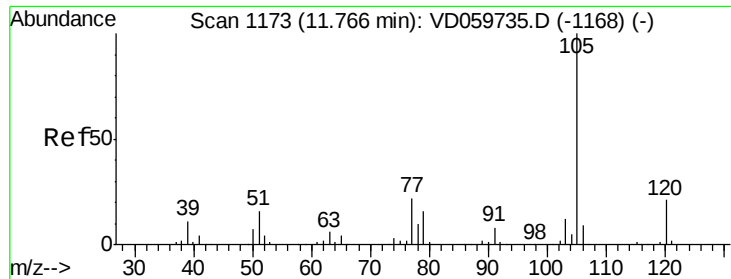
Tot Ion:173 Resp: 32965
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.2
254 11.0 9.3 13.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 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





#73

Isopropylbenzene

Concen: 18.91 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

ClientSampleId :

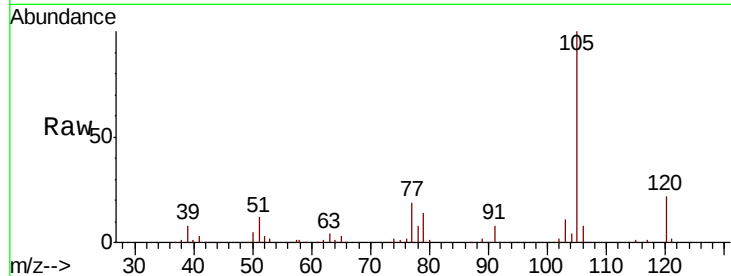
VD0814SBSD01

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

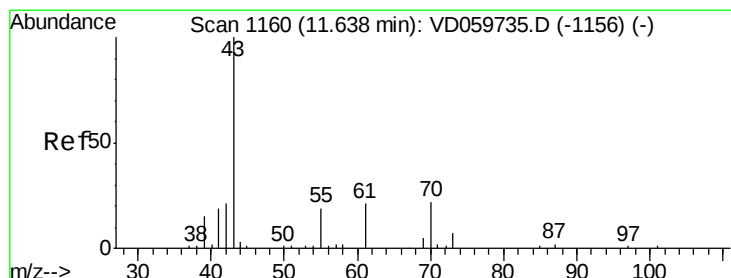
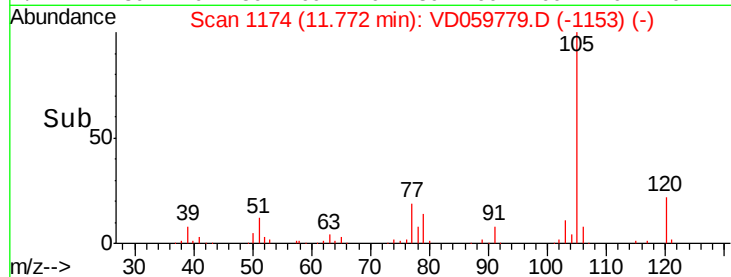
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.73 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

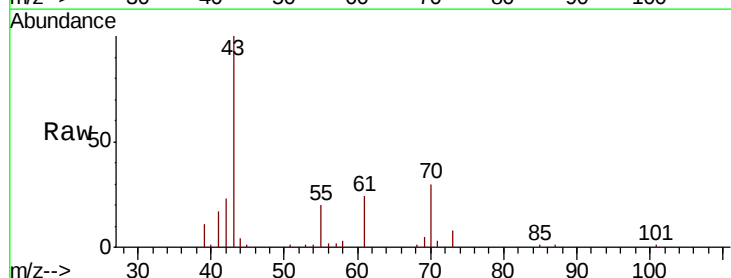
Ion Ratio Lower Upper

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): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.64

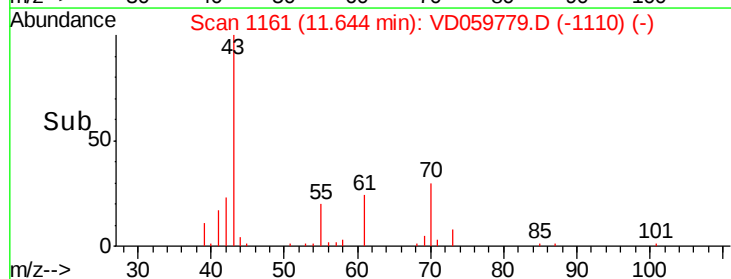
60000

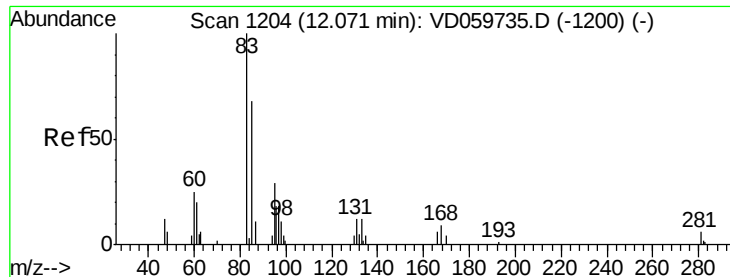
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.49 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 :

VD0814SBSD01

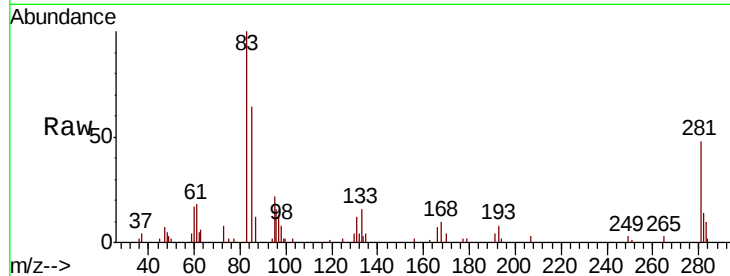
Tot Ion: 83 Resp: 39871

Ion Ratio Lower Upper

83 100

131 11.7 6.3 19.1

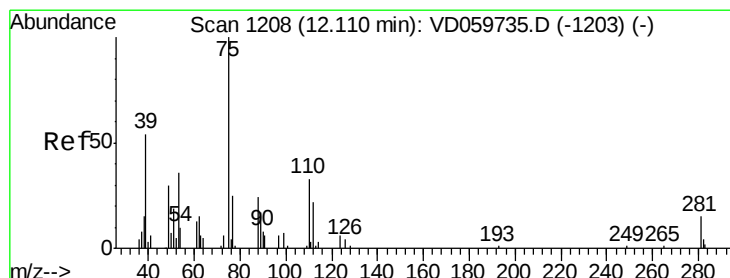
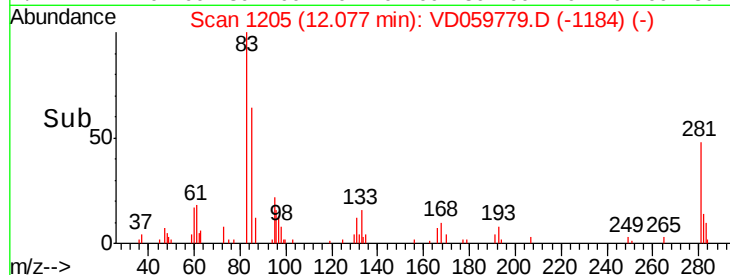
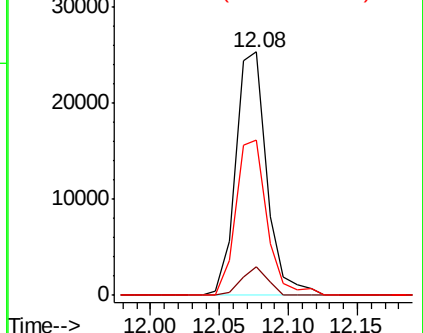
85 63.9 34.2 102.5



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: 21.19 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059779.D

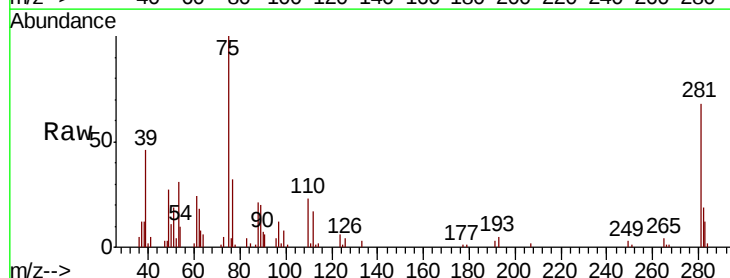
Acq: 14 Aug 2018 21:05

Tgt Ion: 75 Resp: 44828

Ion Ratio Lower Upper

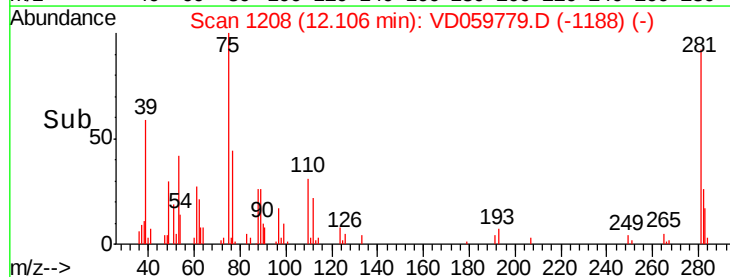
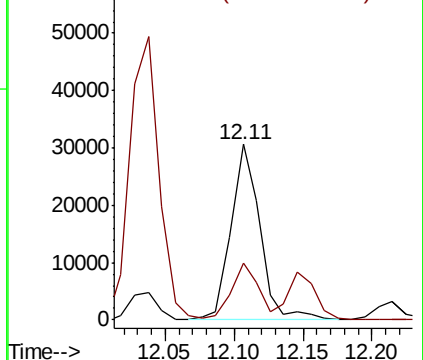
75 100

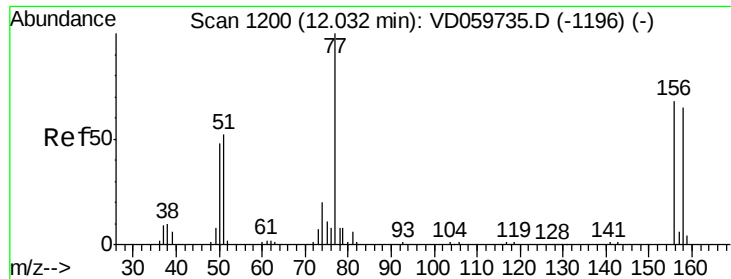
77 32.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

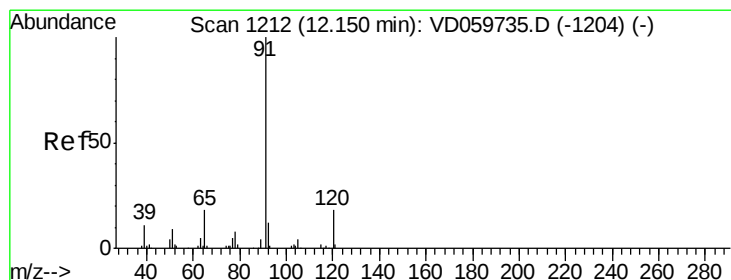
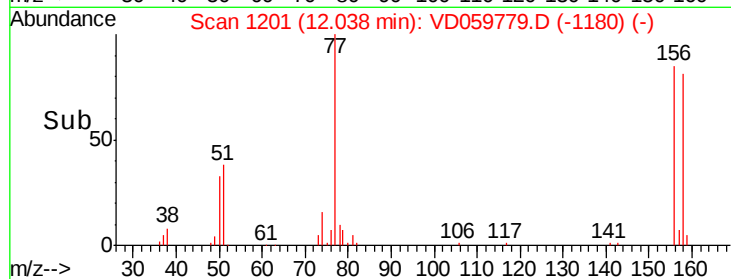
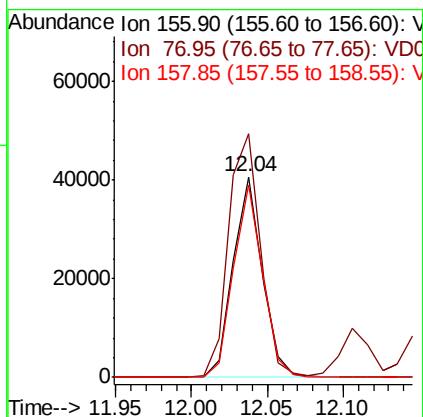
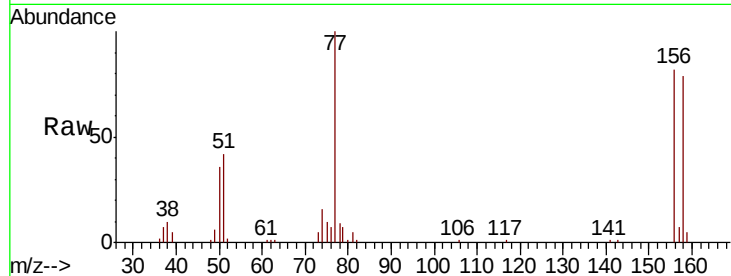




#77
Bromobenzene
Concen: 19.09 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

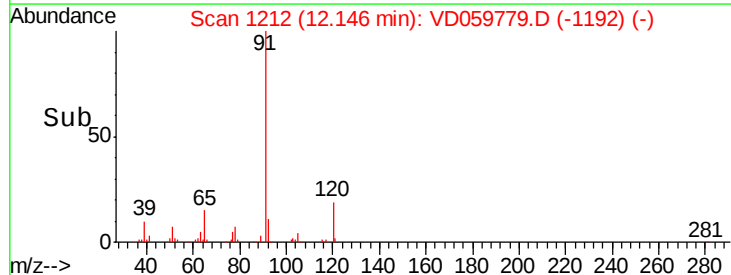
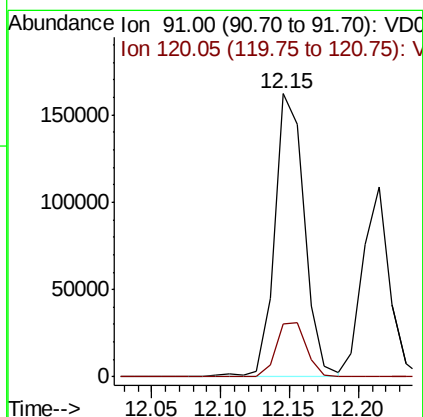
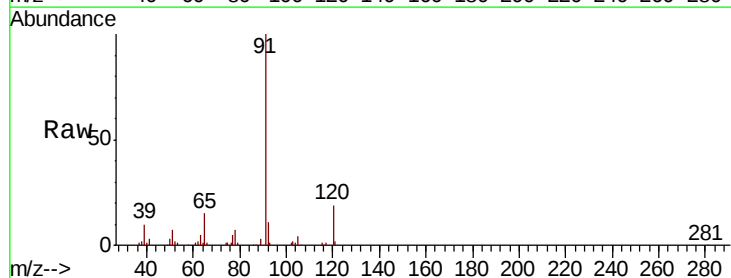
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

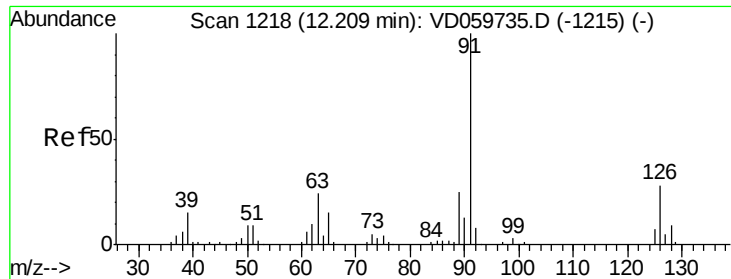
Tot Ion:156 Resp: 54172
Ion Ratio Lower Upper
156 100
77 121.5 73.3 219.8
158 96.0 47.5 142.5



#78
n-propylbenzene
Concen: 20.40 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

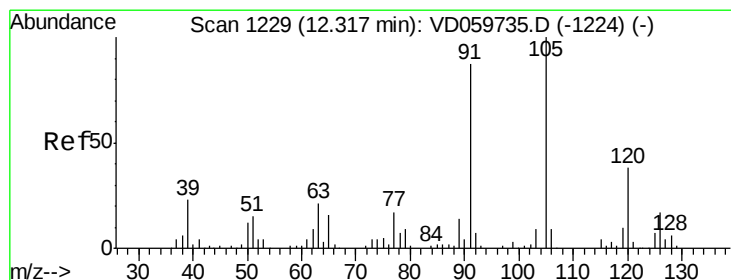
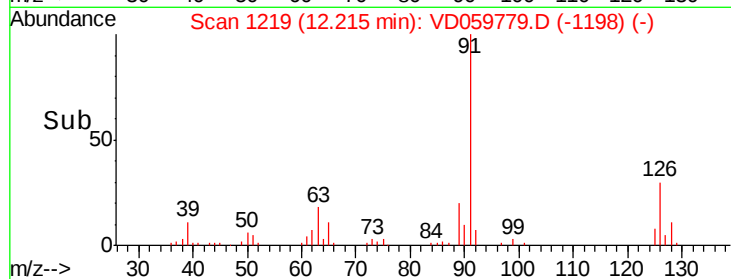
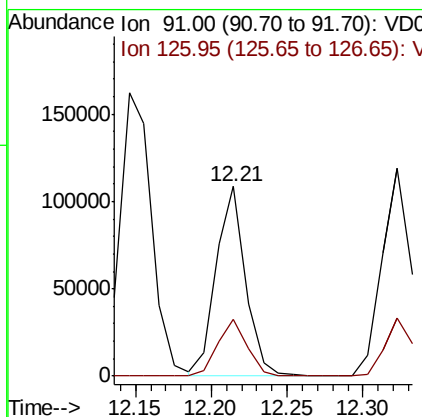
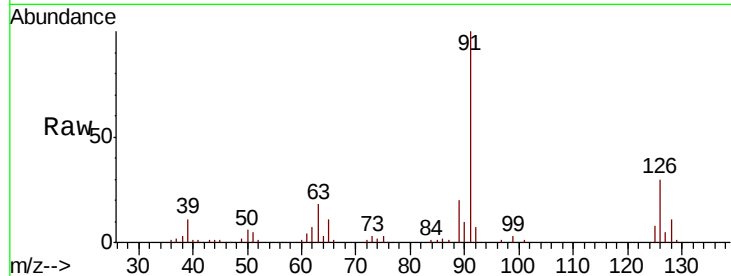




#79
 2-Chlorotoluene
 Concen: 19.61 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

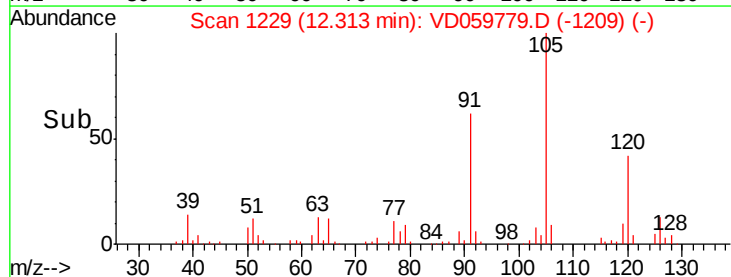
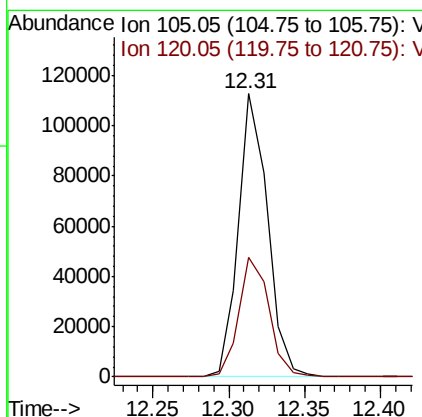
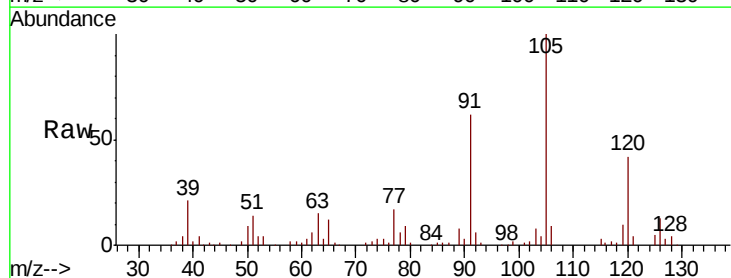
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

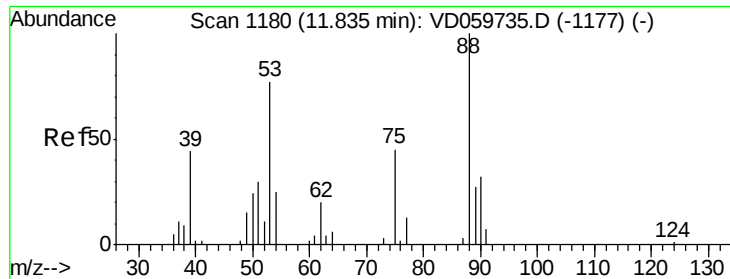
Tot Ion: 91 Resp: 146573
 Ion Ratio Lower Upper
 91 100
 126 30.1 13.3 39.9



#80
 1,3,5-Trimethylbenzene
 Concen: 17.89 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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.20 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

ClientSampleId :

VD0814SBSD01

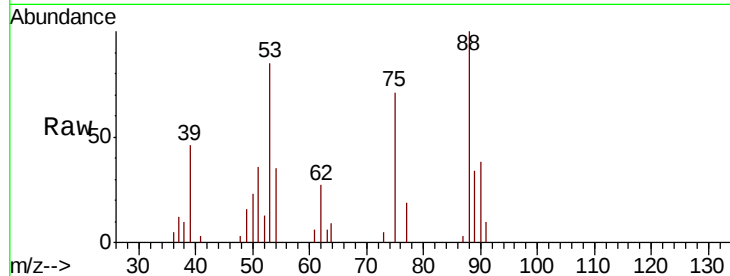
Tot Ion: 75 Resp: 10578

Ion Ratio Lower Upper

75 100

53 119.5 137.5 206.3#

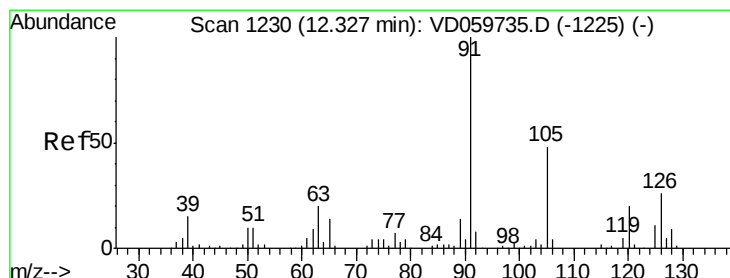
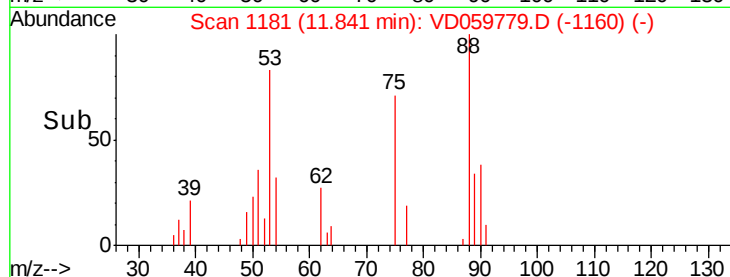
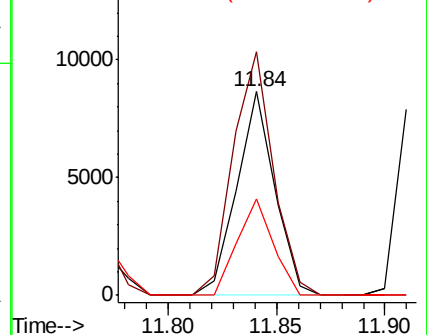
89 47.3 48.3 72.5#



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: 18.28 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059779.D

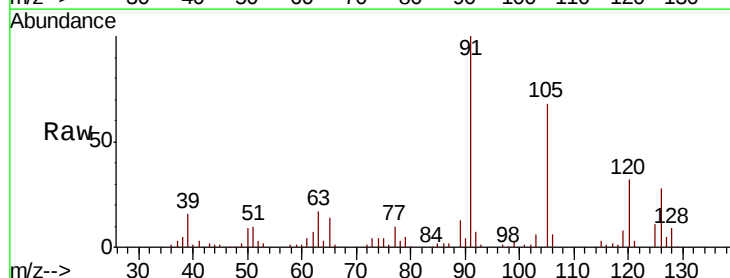
Acq: 14 Aug 2018 21:05

Tgt Ion: 91 Resp: 161056

Ion Ratio Lower Upper

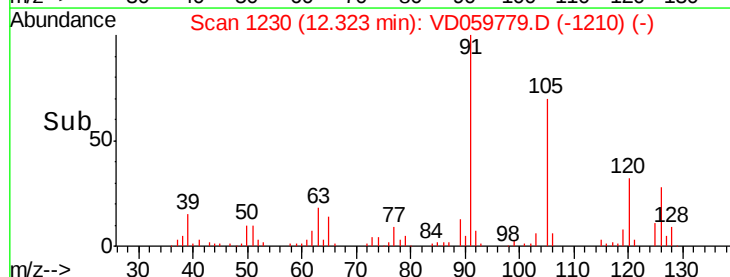
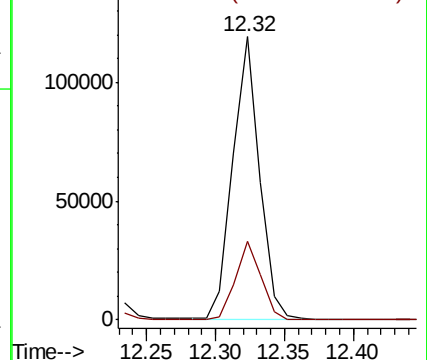
91 100

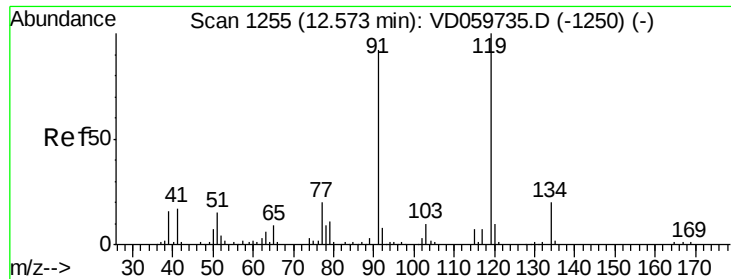
126 27.6 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

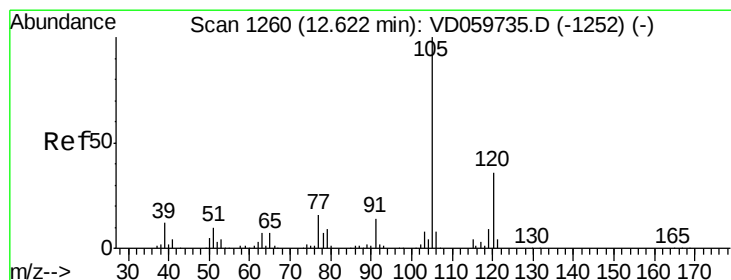
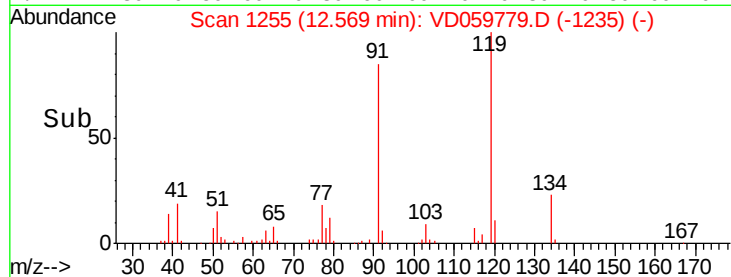
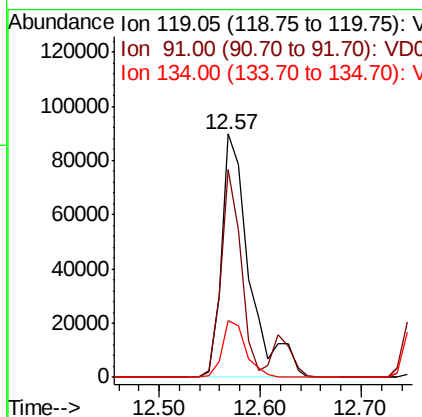
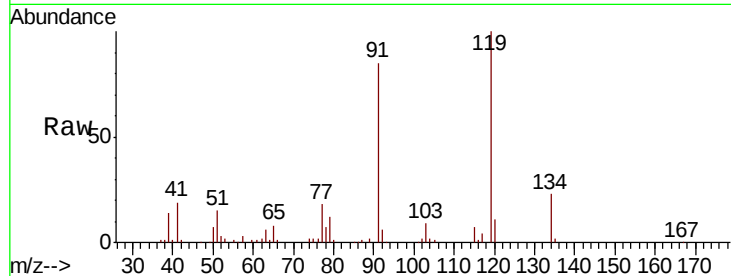




#83
 tert-Butylbenzene
 Concen: 18.90 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

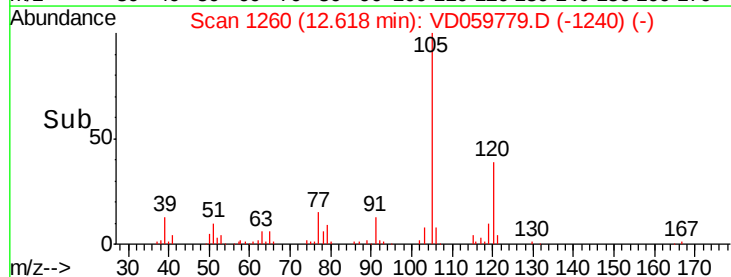
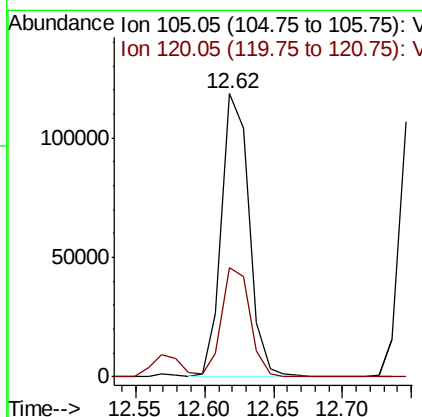
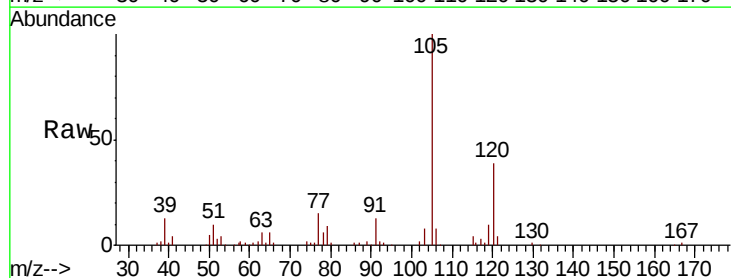
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

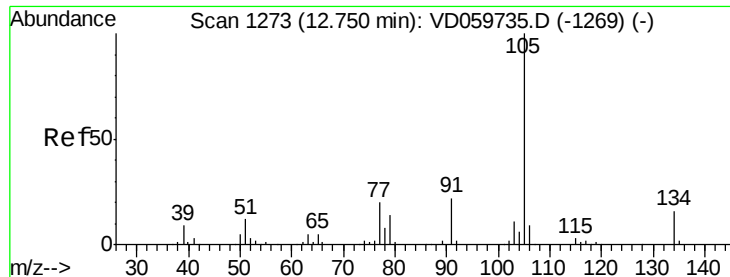
Tot Ion:119 Resp: 172980
 Ion Ratio Lower Upper
 119 100
 91 85.3 46.1 138.2
 134 23.2 9.9 29.7



#84
 1,2,4-Trimethylbenzene
 Concen: 18.95 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

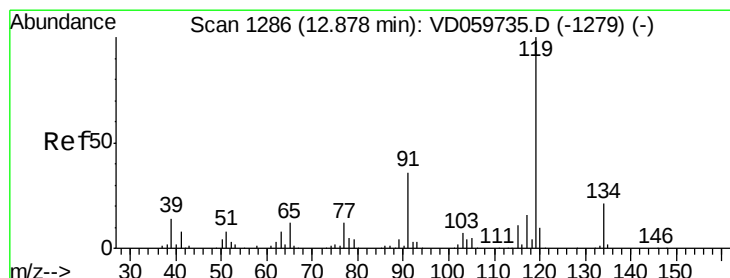
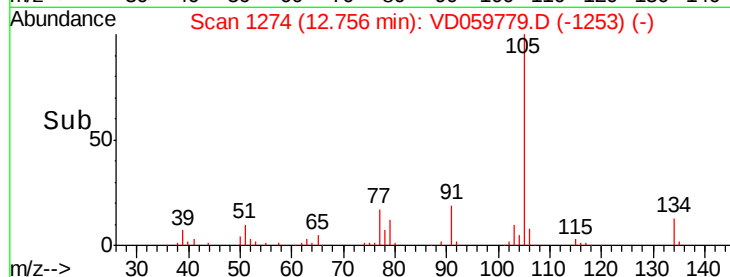
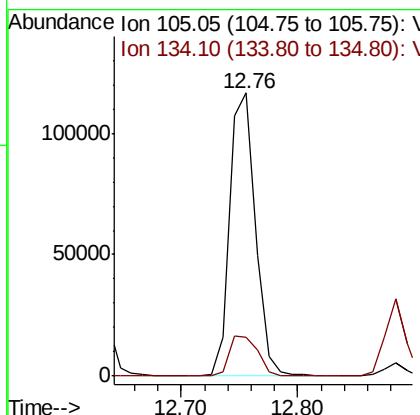
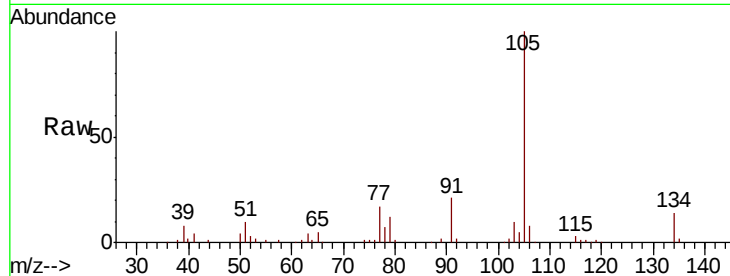




#85
 sec-Butylbenzene
 Concen: 18.29 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

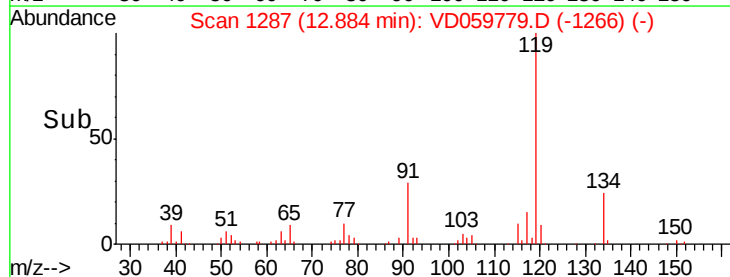
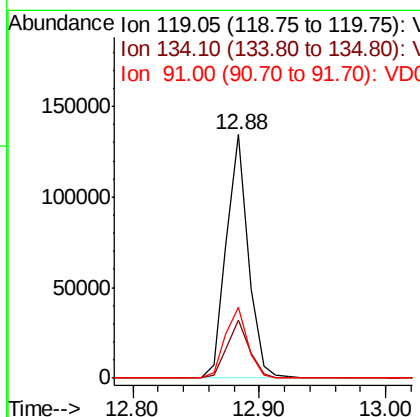
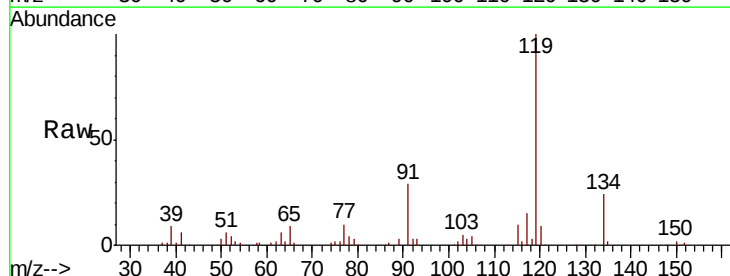
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

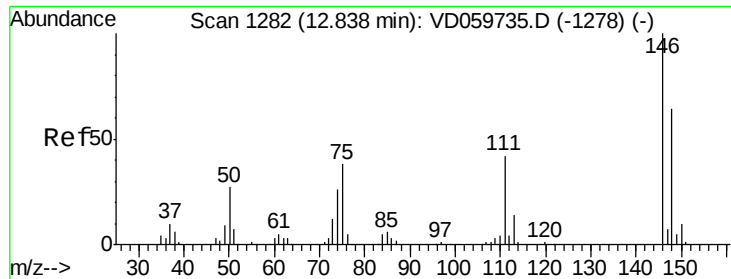
Tot Ion:105 Resp: 177998
 Ion Ratio Lower Upper
 105 100
 134 13.8 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 18.48 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

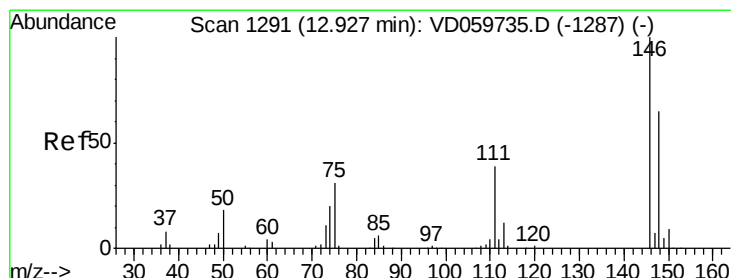
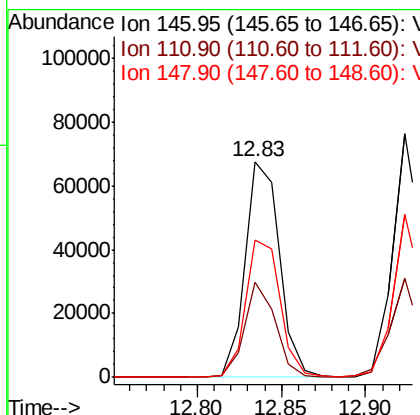
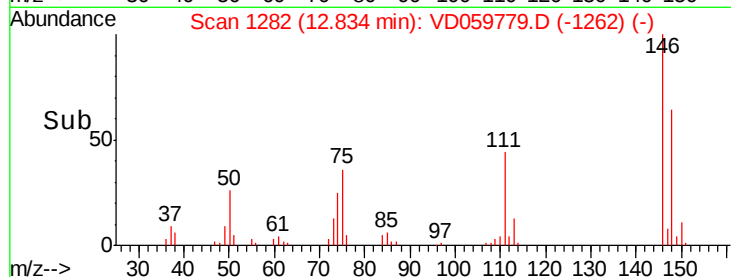
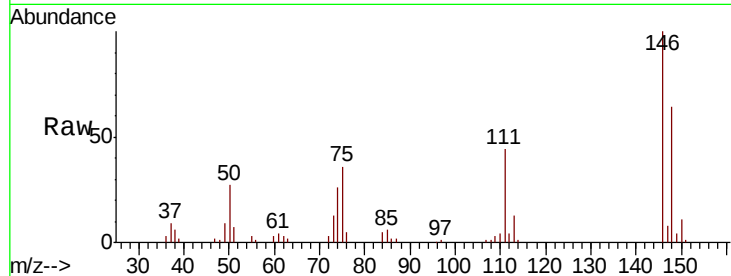




#87
 1,3-Dichlorobenzene
 Concen: 19.91 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

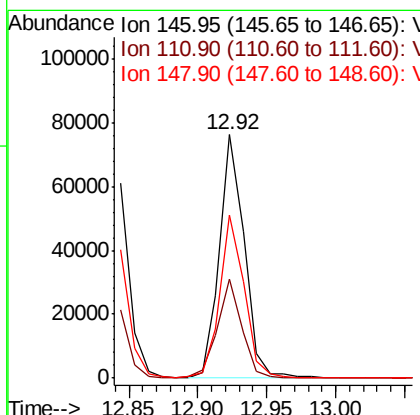
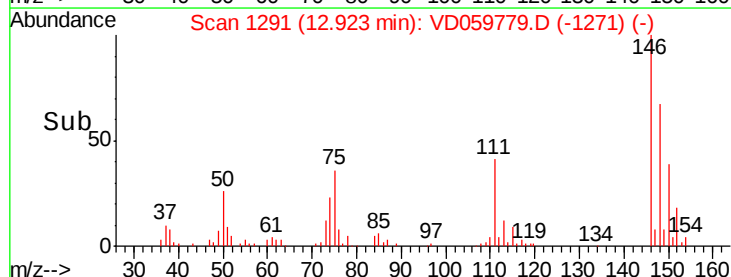
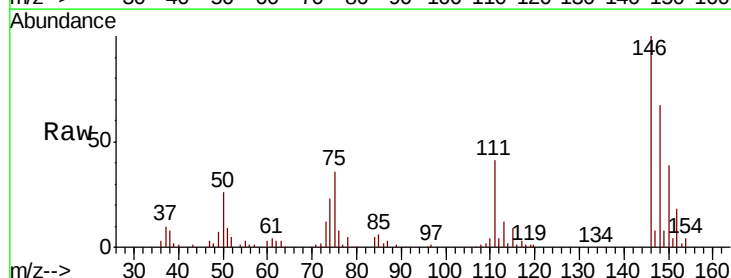
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

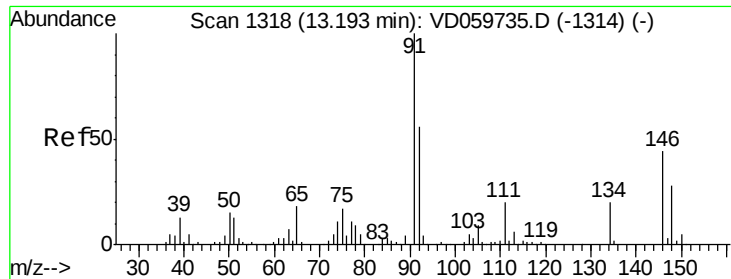
Tot Ion:146 Resp: 95633
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.1 63.3
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.76 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

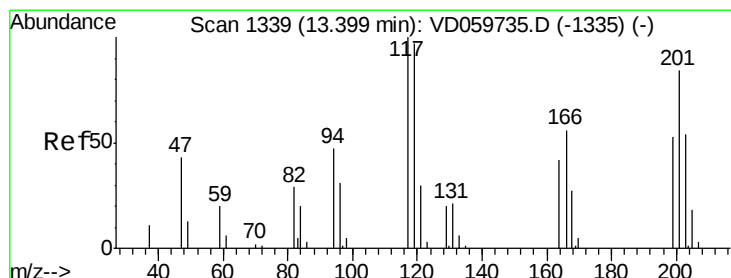
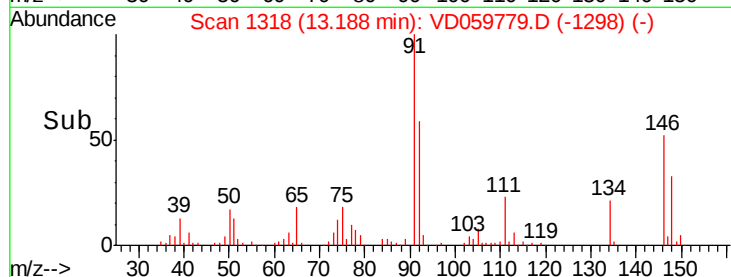
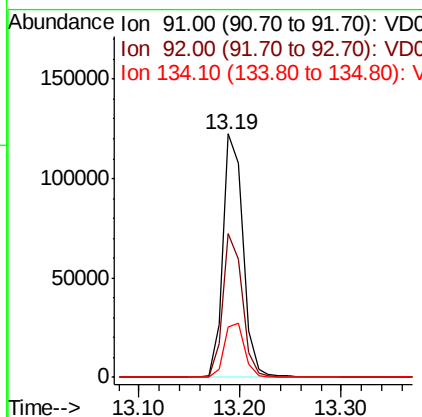
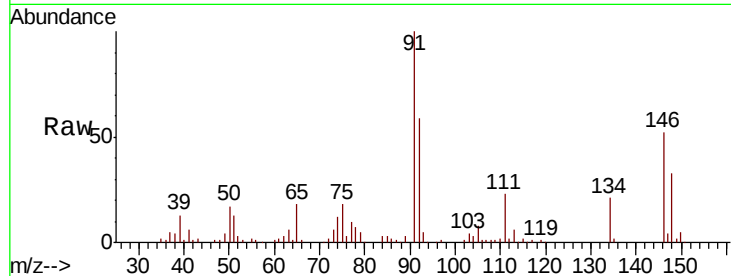




#89
n-Butylbenzene
Concen: 19.64 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059779.D
Acq: 14 Aug 2018 21:05

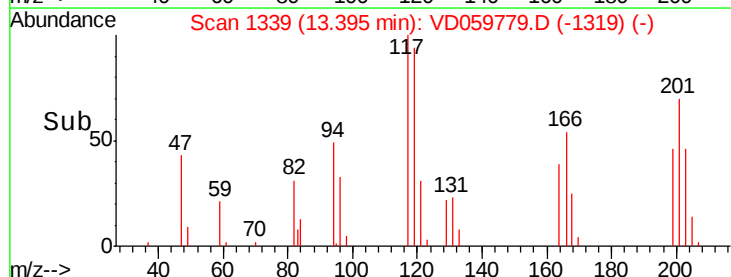
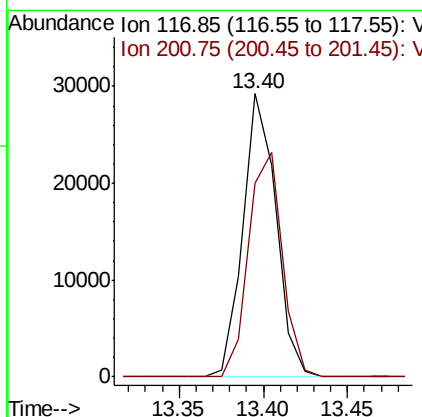
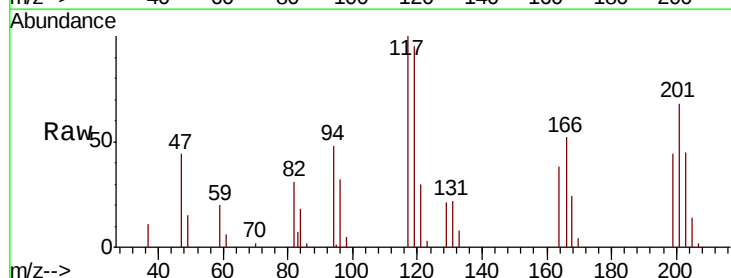
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

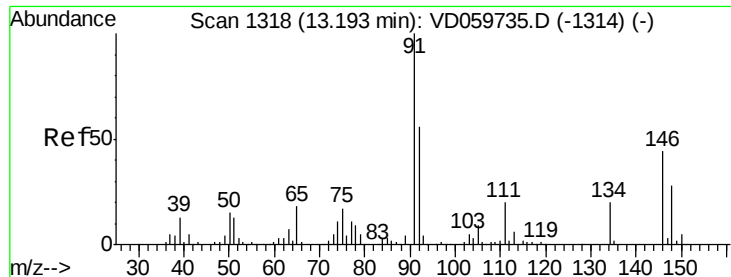
Tot Ion: 91 Resp: 170325
Ion Ratio Lower Upper
91 100
92 59.1 28.1 84.4
134 20.8 10.3 30.8



#90
Hexachloroethane
Concen: 17.47 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: 117 Resp: 39746
Ion Ratio Lower Upper
117 100
201 68.3 41.9 125.7

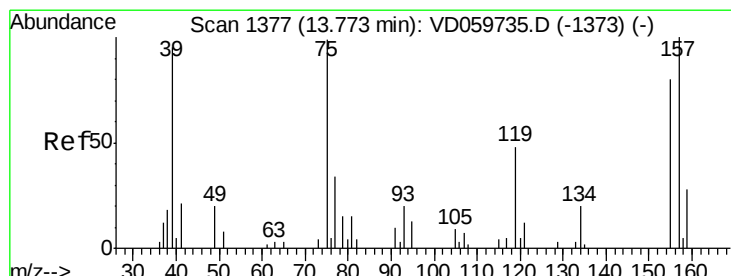
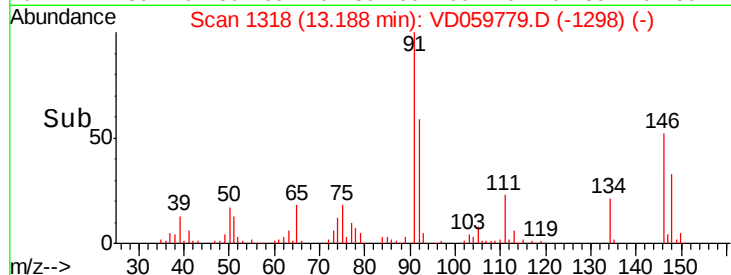
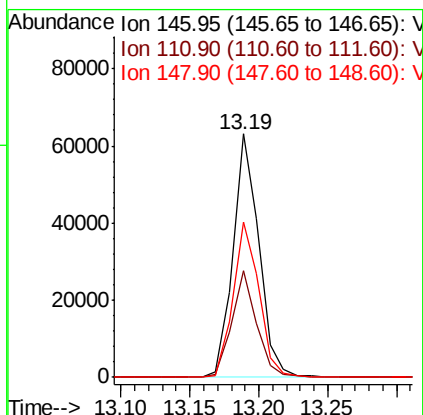
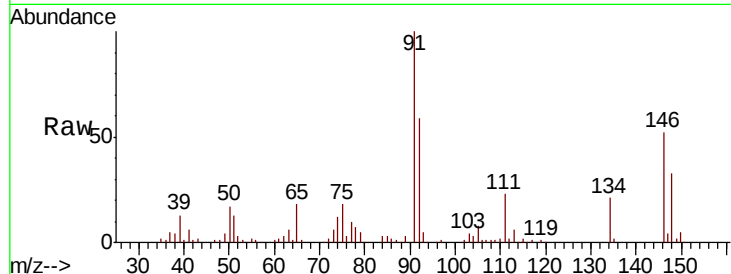




#91
 1,2-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

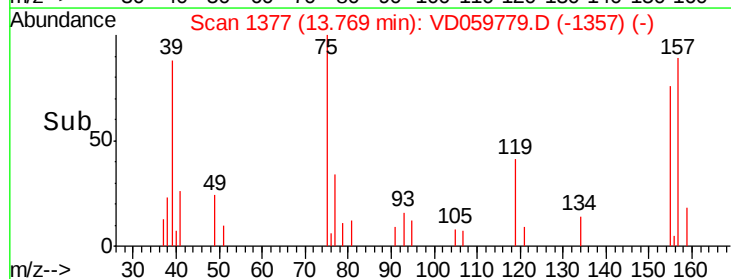
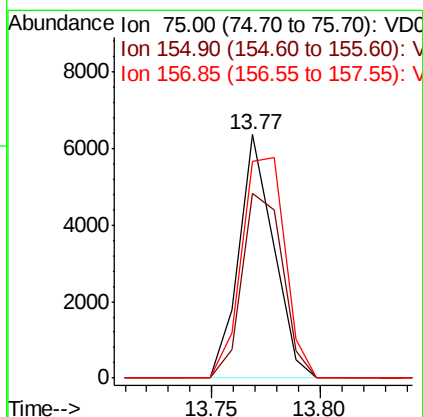
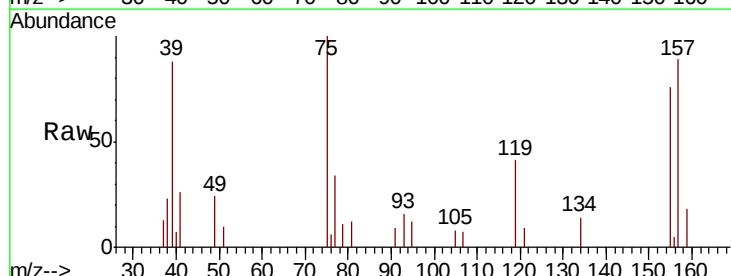
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

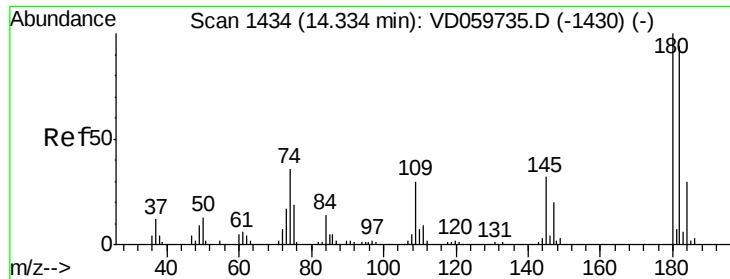
Tot Ion:146 Resp: 82167
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.9 68.5
 148 63.9 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.08 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

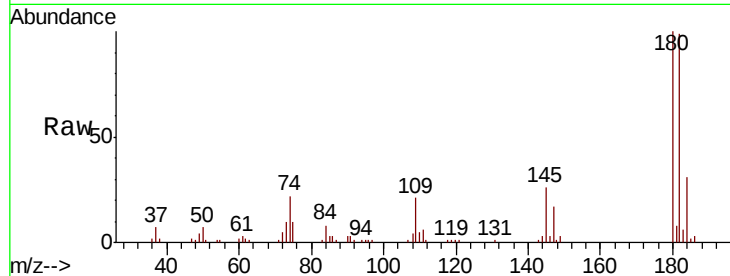




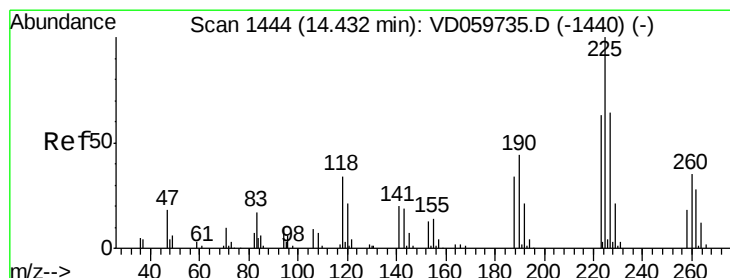
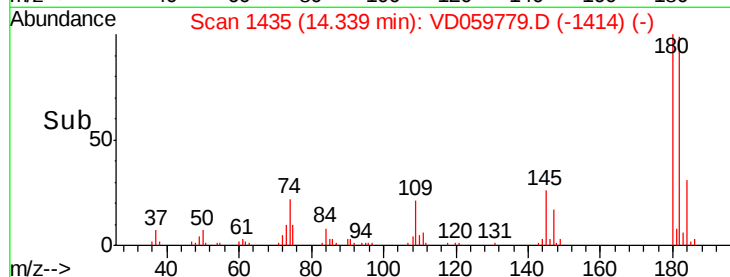
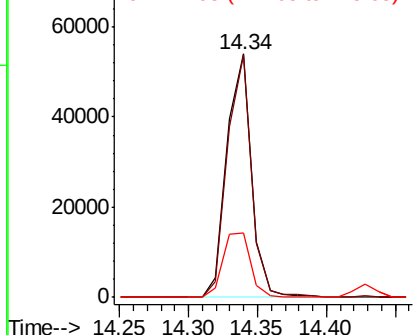
#93
 1,2,4-Trichlorobenzene
 Concen: 17.24 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

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

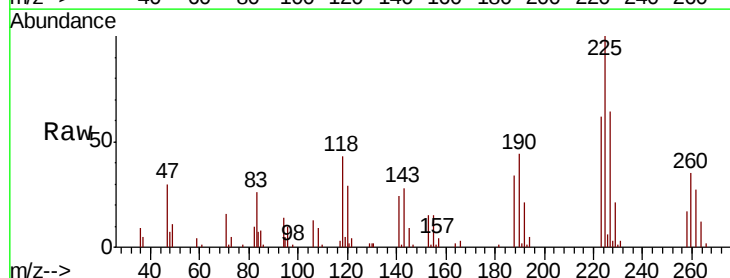


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

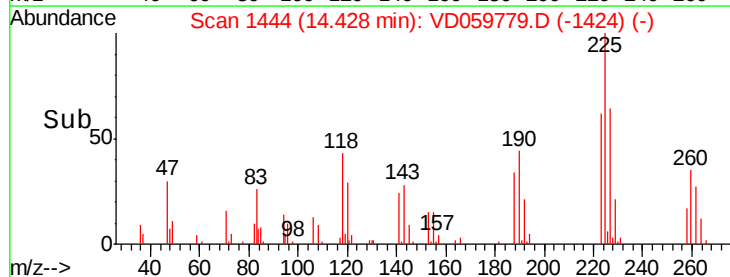
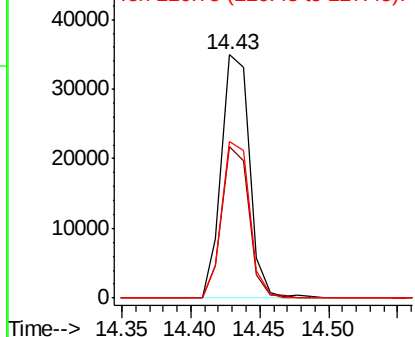


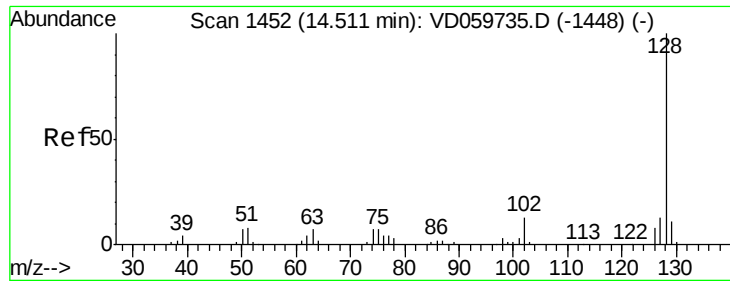
#94
 Hexachlorobutadiene
 Concen: 15.30 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059779.D
 Acq: 14 Aug 2018 21:05

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: 19.61 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

ClientSampleId :

VD0814SBSD01

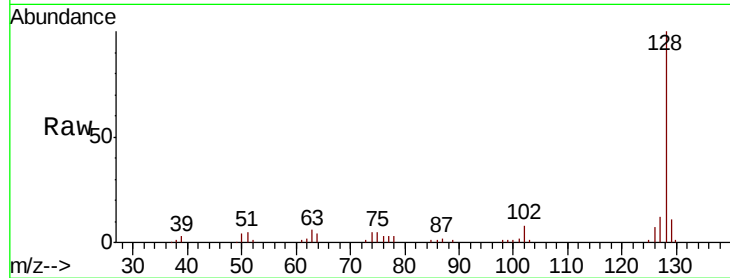
Tot Ion:128 Resp: 102313

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

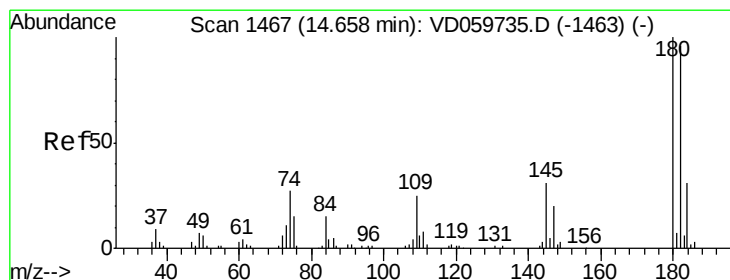
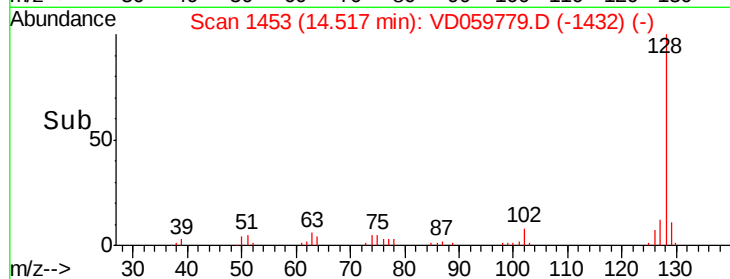
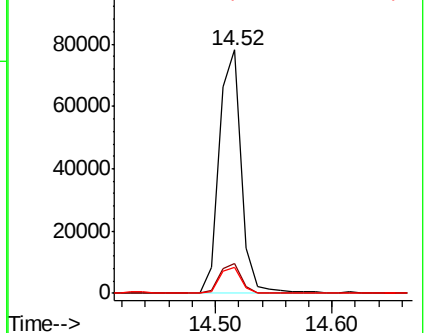
129 10.6 8.9 13.3



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: 18.03 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059779.D

Acq: 14 Aug 2018 21:05

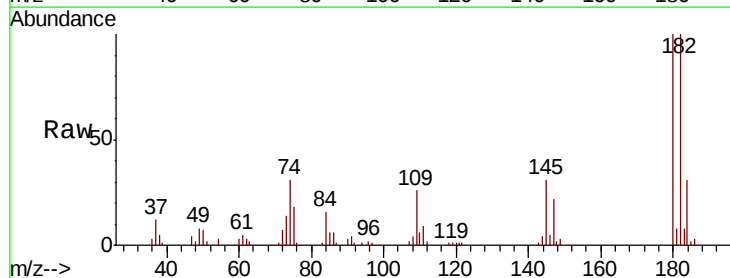
Tgt Ion:180 Resp: 59736

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

