

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059765.D
 Acq On : 14 Aug 2018 14:28
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 14 15:33:16 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	5.64	168	249816	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.69	114	323113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	252517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	148657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	162266	41.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	83.00%	
35) Dibromofluoromethane	5.54	113	144076	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	
50) Toluene-d8	8.71	98	338487	51.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.93	95	150003	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	61579	16.48	ug/l	90
3) Chloromethane	1.47	50	34661	24.48	ug/l	# 87
4) Vinyl Chloride	1.55	62	36818	20.59	ug/l	99
5) Bromomethane	1.78	94	7617	10.14	ug/l	91
6) Chloroethane	1.87	64	11694	12.70	ug/l	100
7) Trichlorofluoromethane	2.07	101	56136	14.63	ug/l	100
8) Diethyl Ether	2.34	74	11236	18.13	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.54	101	32827	16.69	ug/l	97
10) Methyl Iodide	2.68	142	29480	14.79	ug/l	99
11) Tert butyl alcohol	3.26	59	12098	89.28	ug/l	# 84
12) 1,1-Dichloroethene	2.53	96	24713	17.57	ug/l	97
13) Acrolein	2.47	56	8592	106.46	ug/l	95
14) Allyl chloride	2.92	41	58373	18.78	ug/l	93
15) Acrylonitrile	3.35	53	43415	129.60	ug/l	88
16) Acetone	2.60	43	54442	85.23	ug/l	97
17) Carbon Disulfide	2.75	76	73006	15.49	ug/l	98
18) Methyl Acetate	2.93	43	20599	16.98	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	113664	20.65	ug/l	99
20) Methylene Chloride	3.07	84	31446	17.05	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	47414	26.59	ug/l	83
22) Diisopropyl ether	4.07	45	150744	25.65	ug/l	# 81
23) Vinyl Acetate	4.01	43	469648	118.09	ug/l	98
24) 1,1-Dichloroethane	3.96	63	90929	20.95	ug/l	99
25) 2-Butanone	4.84	43	74609	108.67	ug/l	# 91
26) 2,2-Dichloropropane	4.80	77	89378	17.61	ug/l	90
27) cis-1,2-Dichloroethene	4.80	96	49637	23.01	ug/l	81
28) Bromochloromethane	5.14	49	39276	25.13	ug/l	# 92
29) Tetrahydrofuran	5.18	42	33529	130.61	ug/l	97
30) Chloroform	5.32	83	102993	17.96	ug/l	99
31) Cyclohexane	5.58	56	64000	25.40	ug/l	# 90
32) 1,1,1-Trichloroethane	5.51	97	94647	15.92	ug/l	99
36) 1,1-Dichloropropene	5.74	75	71443	19.05	ug/l	92
37) Ethyl Acetate	4.92	43	33831	20.51	ug/l	# 94
38) Carbon Tetrachloride	5.72	117	83135	14.09	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059765.D
 Acq On : 14 Aug 2018 14:28
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 14 15:33:16 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)
39) Methylcyclohexane	7.28	83	59978	21.58	ug/l	97
40) Benzene	6.02	78	145348	22.24	ug/l	98
41) Methacrylonitrile	5.11	41	15275	19.70	ug/l #	88
42) 1,2-Dichloroethane	6.13	62	77206	14.90	ug/l	97
43) Isopropyl Acetate	7.61	43	41407	19.93	ug/l #	89
44) Trichloroethene	6.98	130	49379	18.73	ug/l	82
45) 1,2-Dichloropropane	7.34	63	36949	22.20	ug/l	97
46) Dibromomethane	7.46	93	30518	17.26	ug/l	93
47) Bromodichloromethane	7.74	83	76680	16.42	ug/l	98
48) Methyl methacrylate	7.50	41	30016	19.79	ug/l #	81
49) 1,4-Dioxane	7.49	88	5626	524.69	ug/l #	88
51) 4-Methyl-2-Pentanone	8.59	43	145471	90.82	ug/l	94
52) Toluene	8.80	92	95850	22.81	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	62792	16.73	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	65005	18.04	ug/l	88
55) 1,1,2-Trichloroethane	9.45	97	33162	20.01	ug/l	97
56) Ethyl methacrylate	9.31	69	36548	19.35	ug/l #	79
57) 1,3-Dichloropropane	9.67	76	50563	18.33	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	103600	118.46	ug/l	95
59) 2-Hexanone	9.78	43	112429	93.79	ug/l	91
60) Dibromochloromethane	9.95	129	49278	15.41	ug/l	96
61) 1,2-Dibromoethane	10.09	107	38575	18.61	ug/l	95
64) Tetrachloroethene	9.51	164	44757	18.06	ug/l	97
65) Chlorobenzene	10.72	112	110286	21.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	46093	17.66	ug/l	95
67) Ethyl Benzene	10.86	91	196075	20.31	ug/l	94
68) m/p-Xylenes	11.01	106	136478	44.09	ug/l	82
69) o-Xylene	11.41	106	65503	21.76	ug/l	83
70) Styrene	11.43	104	108868	22.08	ug/l	94
71) Bromoform	11.60	173	34026	17.23	ug/l	97
73) Isopropylbenzene	11.77	105	189714	18.78	ug/l	95
74) N-amyl acetate	11.64	43	59637	20.60	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.08	83	40556	22.01	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	44745	20.35	ug/l	99
77) Bromobenzene	12.04	156	58090	19.69	ug/l	95
78) n-propylbenzene	12.16	91	257800	21.01	ug/l	98
79) 2-Chlorotoluene	12.21	91	149266	19.21	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	163556	18.69	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.84	75	10996	22.20	ug/l	80
82) 4-Chlorotoluene	12.32	91	179078	19.55	ug/l	98
83) tert-Butylbenzene	12.58	119	179568	18.87	ug/l	86
84) 1,2,4-Trimethylbenzene	12.63	105	168110	18.62	ug/l	90
85) sec-Butylbenzene	12.76	105	204259	20.19	ug/l	96
86) p-Isopropyltoluene	12.88	119	180632	19.81	ug/l	92
87) 1,3-Dichlorobenzene	12.84	146	98299	19.68	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	98562	19.74	ug/l	98
89) n-Butylbenzene	13.20	91	181489	20.14	ug/l	99
90) Hexachloroethane	13.39	117	42275	17.87	ug/l	73
91) 1,2-Dichlorobenzene	13.20	146	85210	20.08	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6909	15.05	ug/l	79

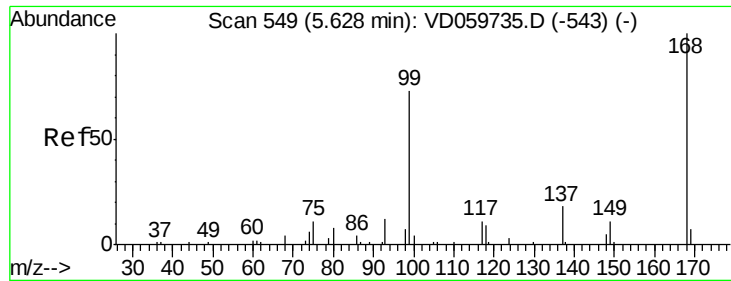
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
Data File : VD059765.D
Acq On : 14 Aug 2018 14:28
Operator : VA/AP
Sample : VD0814SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Quant Time: Aug 14 15:33:16 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)
93) 1,2,4-Trichlorobenzene	14.34	180	74057	18.39	ug/l	98
94) Hexachlorobutadiene	14.44	225	52483	15.55	ug/l	98
95) Naphthalene	14.52	128	107208	19.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	58506	16.99	ug/l	95

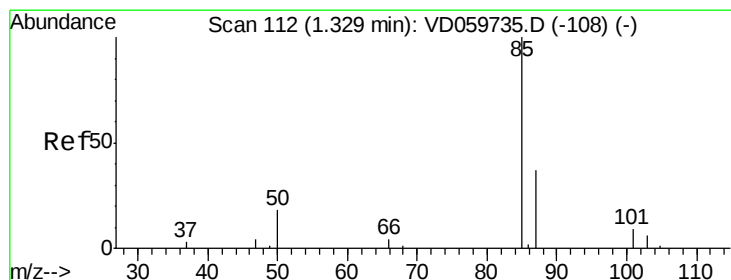
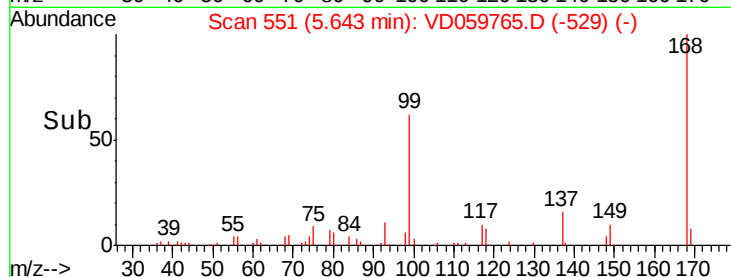
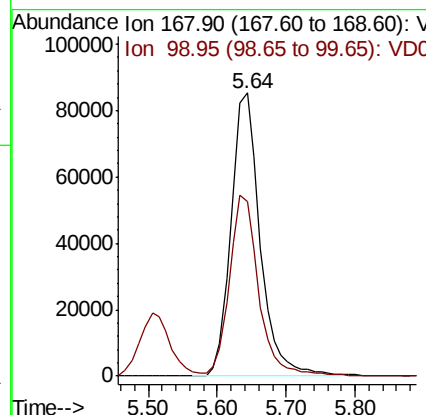
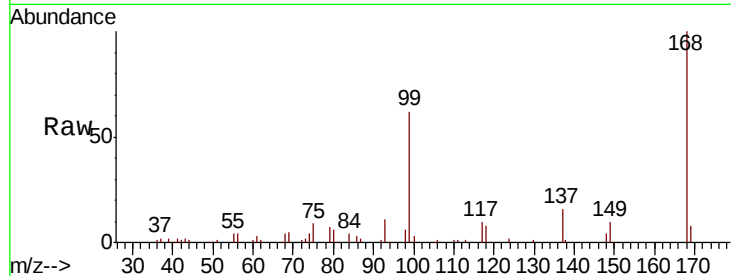
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

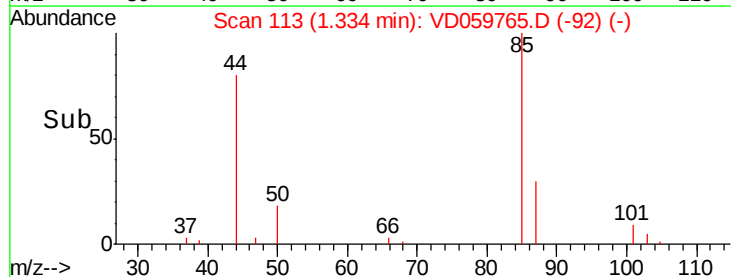
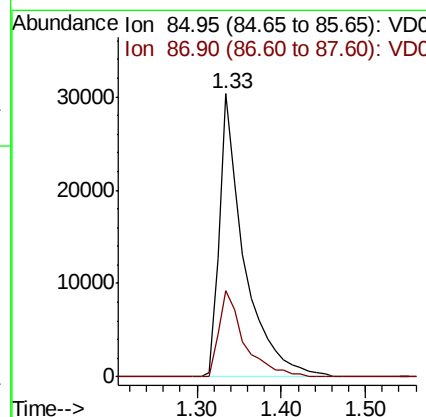
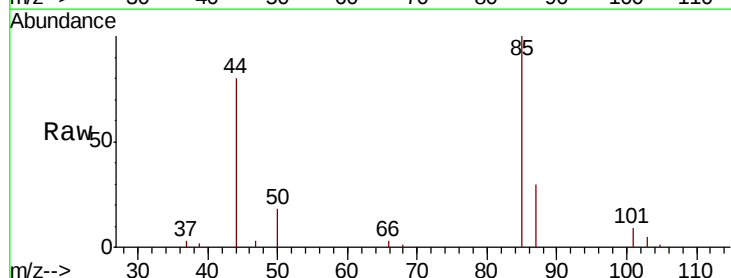
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

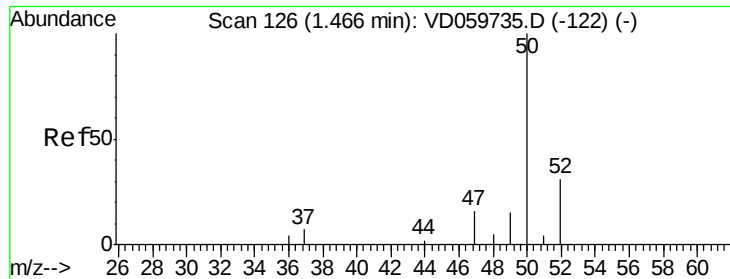
Tot Ion:168 Resp: 249816
Ion Ratio Lower Upper
168 100
99 61.7 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 16.48 ug/l
RT: 1.33 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 85 Resp: 61579
Ion Ratio Lower Upper
85 100
87 30.5 18.3 54.8

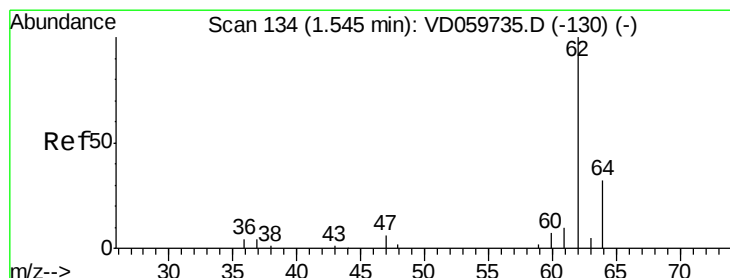
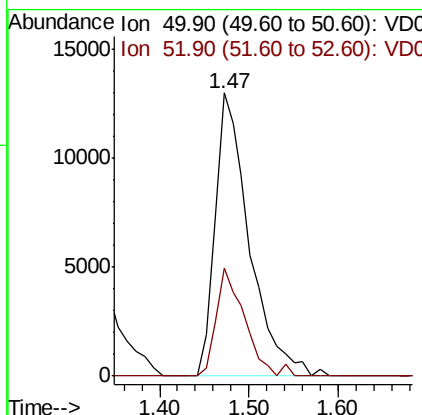
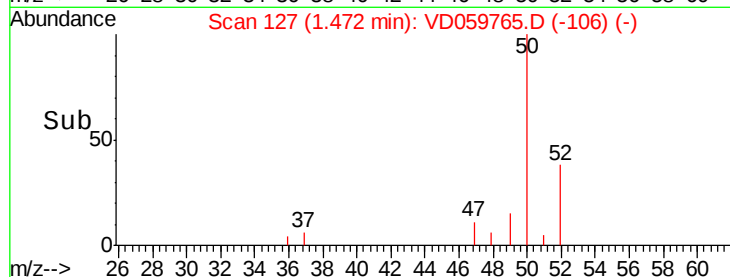
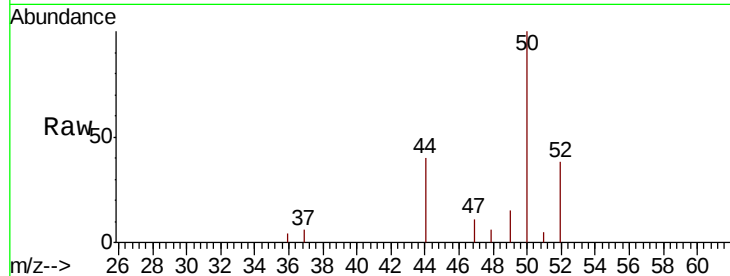




#3
 Chloromethane
 Concen: 24.48 ug/l
 RT: 1.47 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

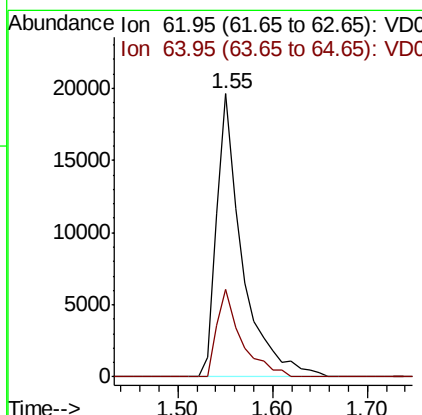
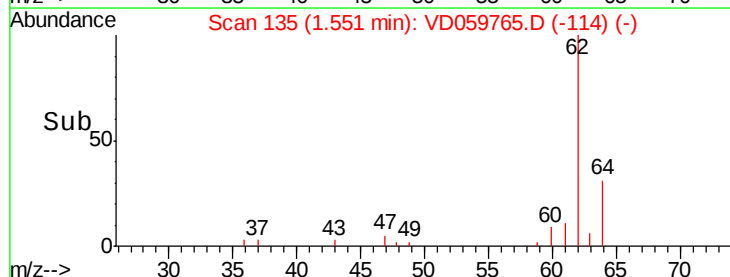
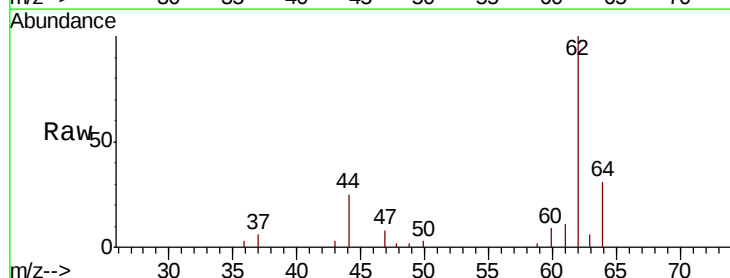
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

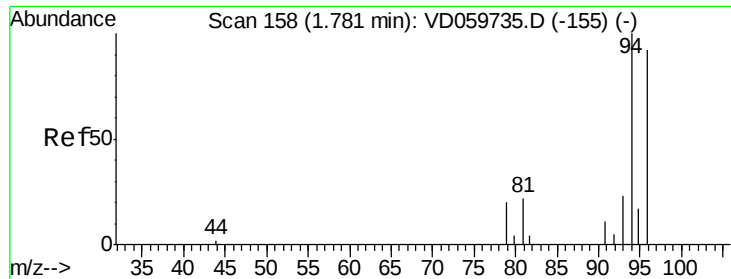
Tot Ion: 50 Resp: 34661
 Ion Ratio Lower Upper
 50 100
 52 38.4 24.8 37.2#



#4
 Vinyl Chloride
 Concen: 20.59 ug/l
 RT: 1.55 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 62 Resp: 36818
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.3 37.9





#5

Bromomethane

Concen: 10.14 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

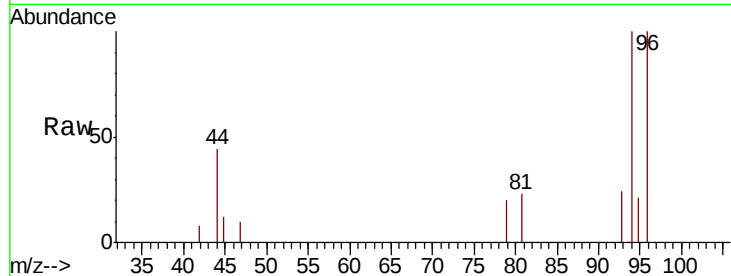
VD0814SBS01

Tot Ion: 94 Resp: 7617

Ion Ratio Lower Upper

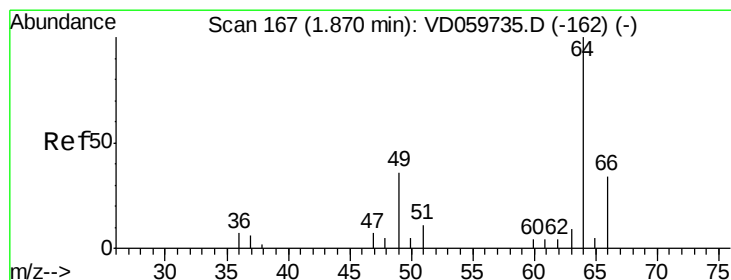
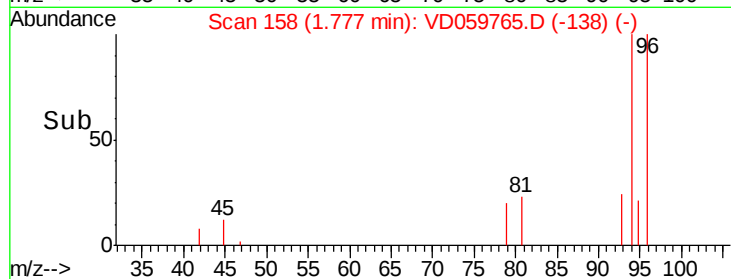
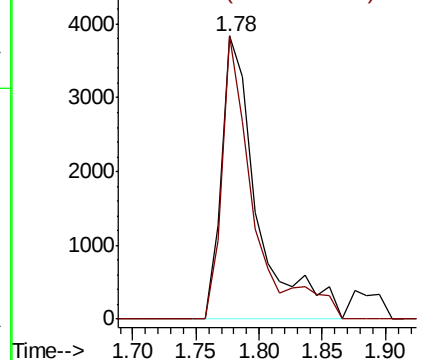
94 100

96 100.0 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: 12.70 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059765.D

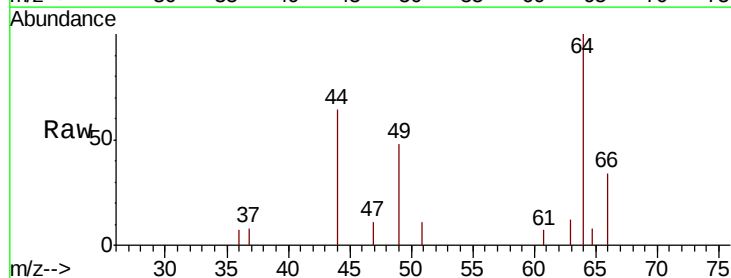
Acq: 14 Aug 2018 14:28

Tgt Ion: 64 Resp: 11694

Ion Ratio Lower Upper

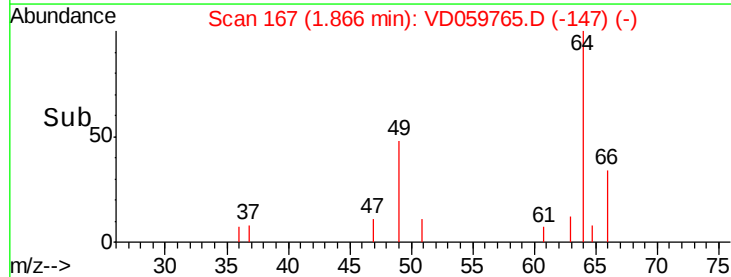
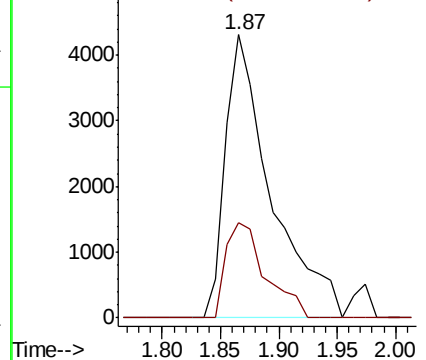
64 100

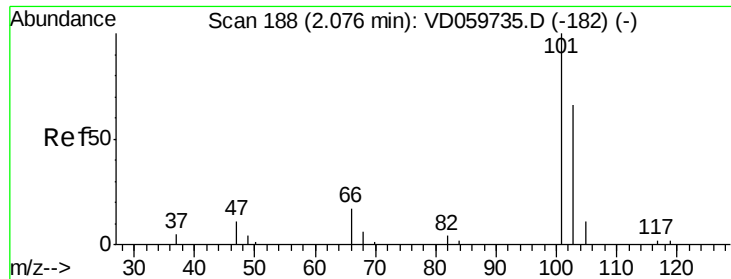
66 33.7 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



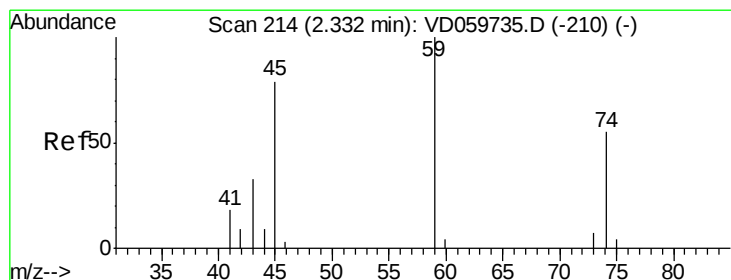
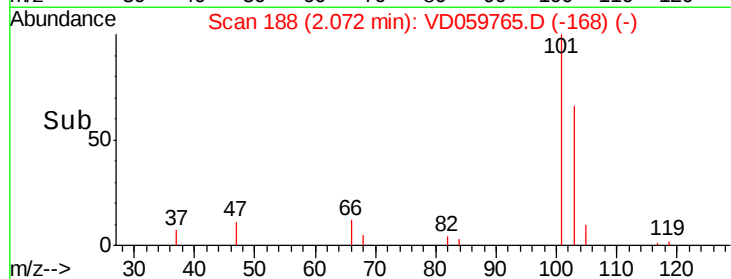
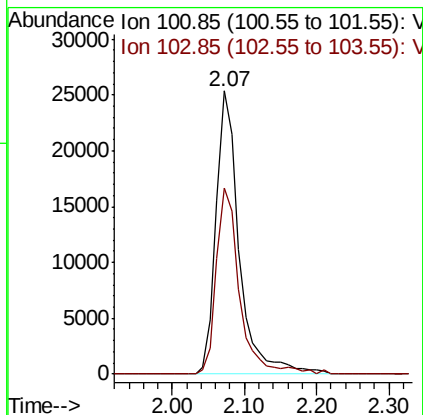
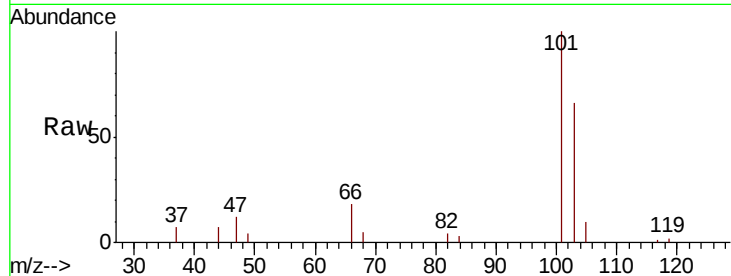


#7

Trichlorofluoromethane
 Concen: 14.63 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

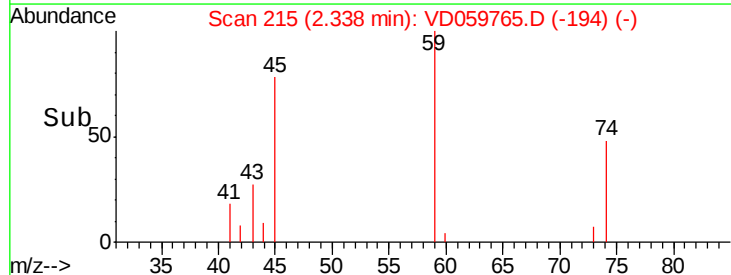
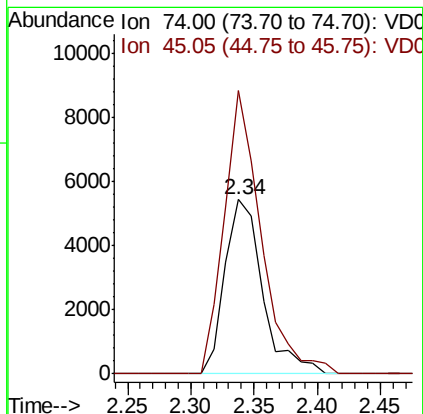
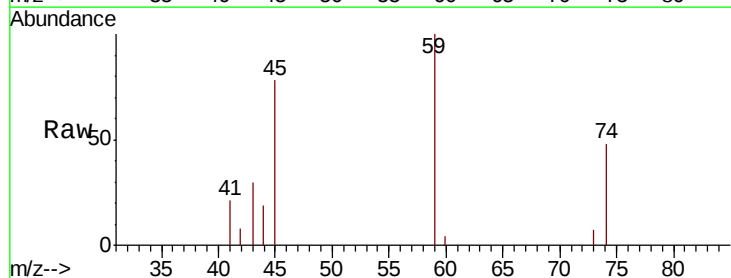
Tot Ion:101 Resp: 56136
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.4 78.6

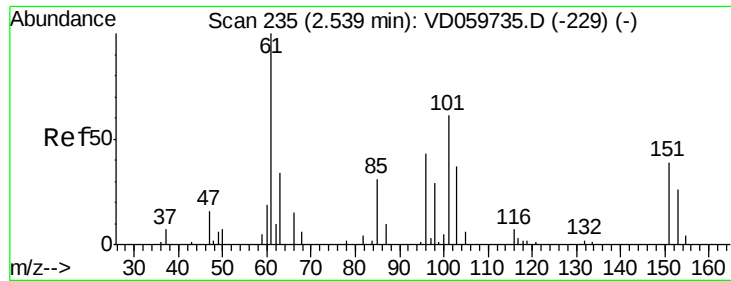


#8

Diethyl Ether
 Concen: 18.13 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 74 Resp: 11236
 Ion Ratio Lower Upper
 74 100
 45 162.3 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.69 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

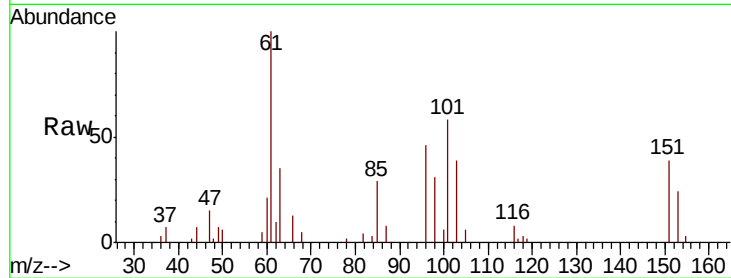
Tot Ion:101 Resp: 32827

Ion Ratio Lower Upper

101 100

85 50.8 39.7 59.5

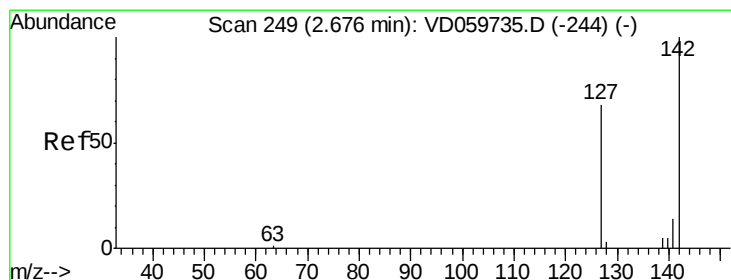
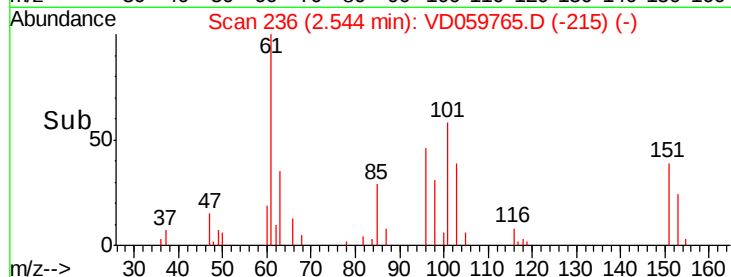
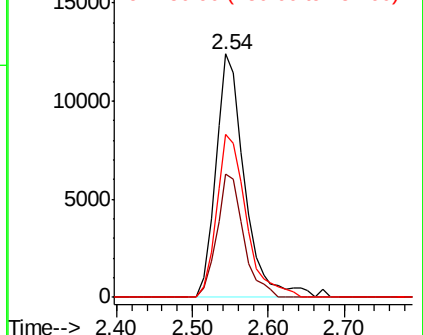
151 66.9 50.8 76.2



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: 14.79 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

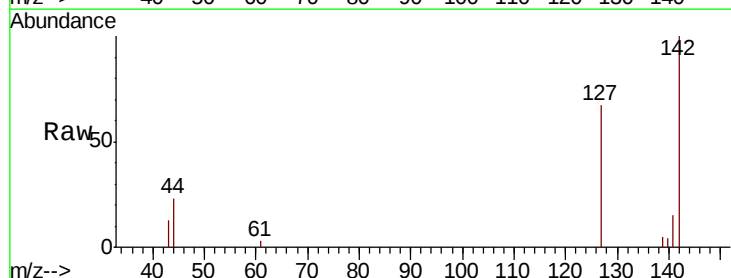
Tgt Ion:142 Resp: 29480

Ion Ratio Lower Upper

142 100

127 67.2 54.0 81.0

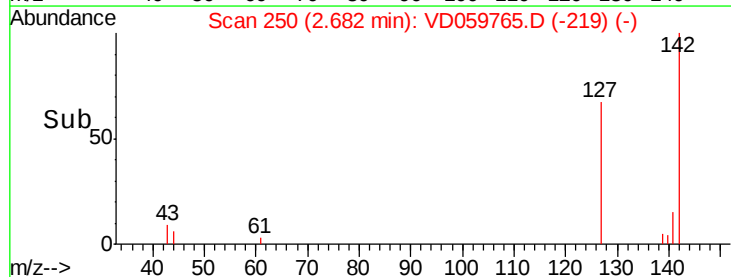
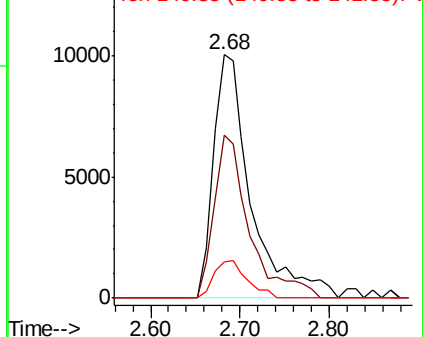
141 14.7 11.0 16.4

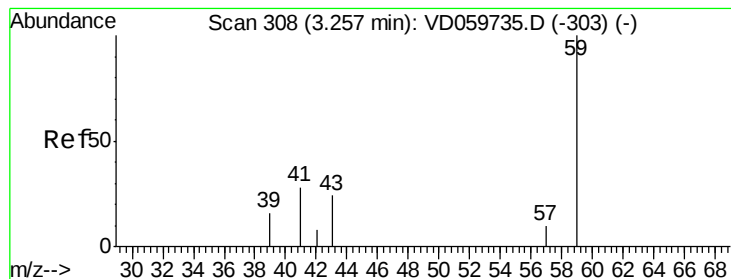


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 89.28 ug/l

RT: 3.26 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

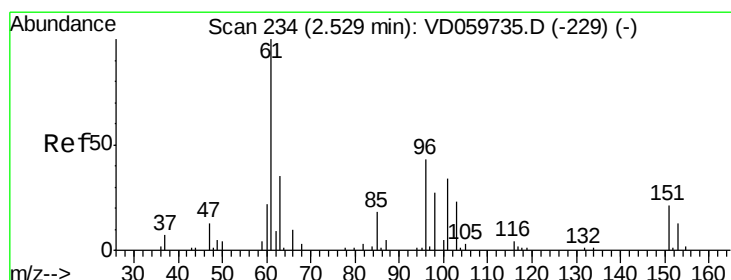
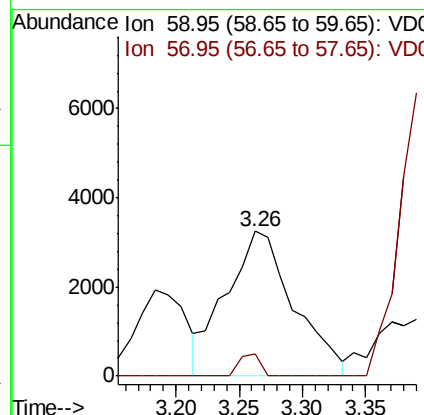
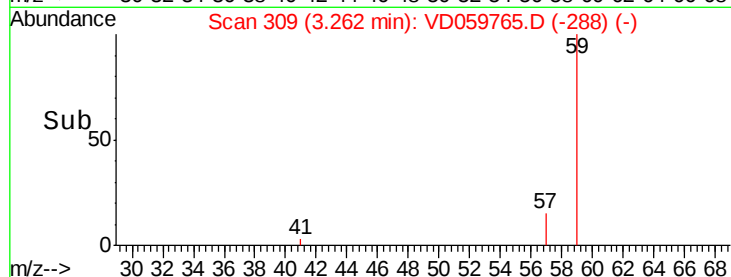
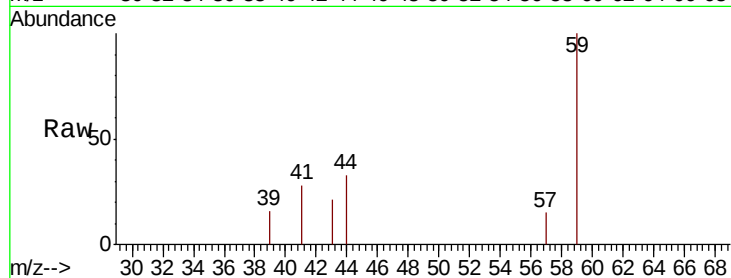
VD0814SBS01

Tot Ion: 59 Resp: 12098

Ion Ratio Lower Upper

59 100

57 15.1 7.3 10.9#



#12

1,1-Dichloroethene

Concen: 17.57 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

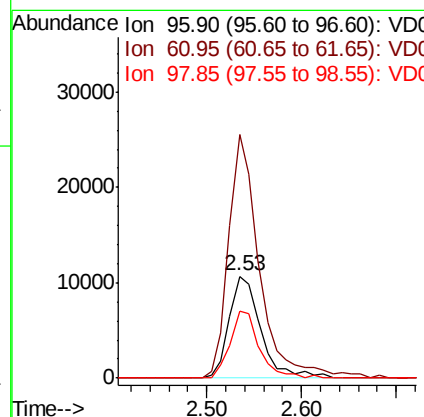
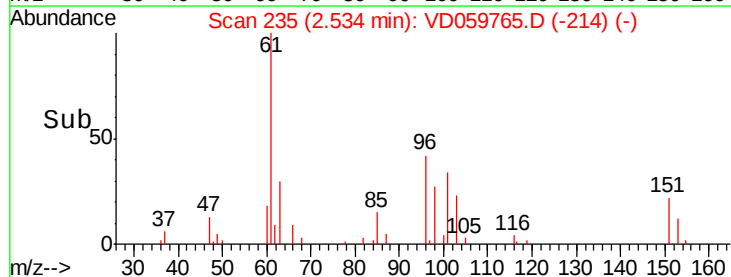
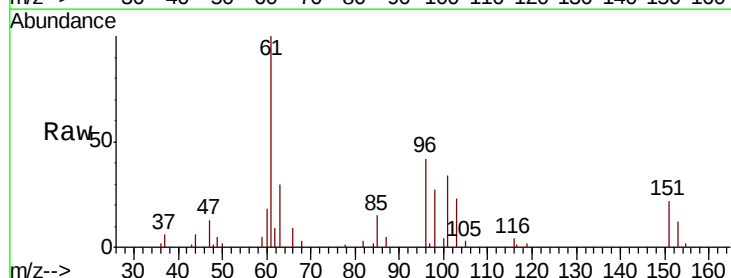
Tgt Ion: 96 Resp: 24713

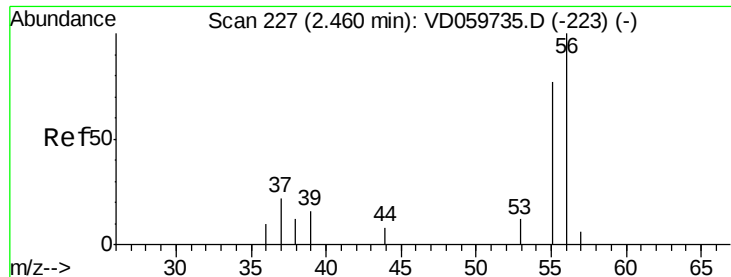
Ion Ratio Lower Upper

96 100

61 239.6 187.2 280.8

98 65.3 50.4 75.6





#13

Acrolein

Concen: 106.46 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

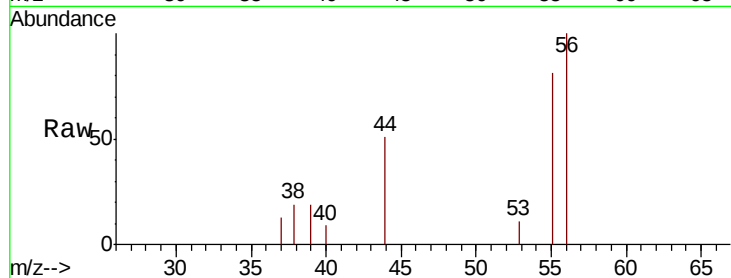
VD0814SBS01

Tot Ion: 56 Resp: 8592

Ion Ratio Lower Upper

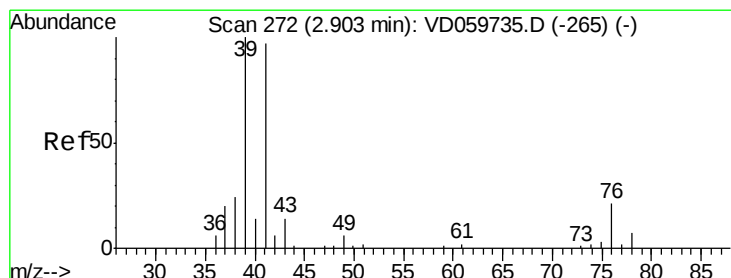
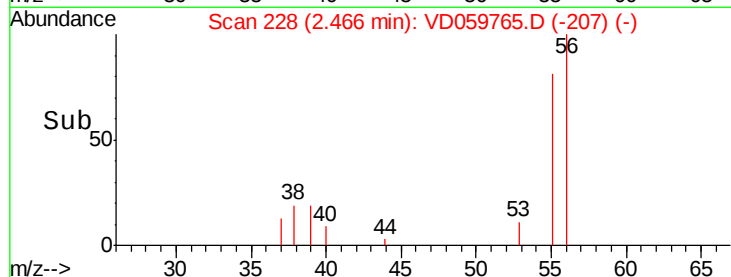
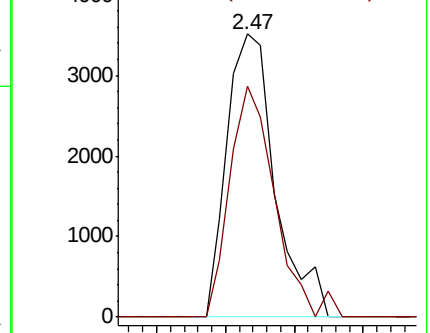
56 100

55 81.4 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: 18.78 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

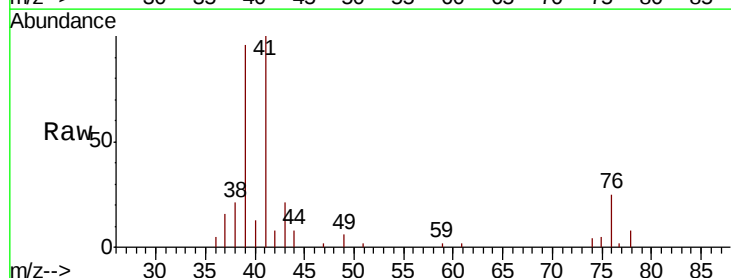
Tgt Ion: 41 Resp: 58373

Ion Ratio Lower Upper

41 100

39 95.5 82.9 124.3

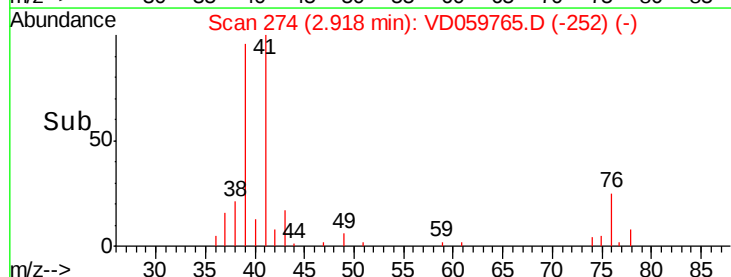
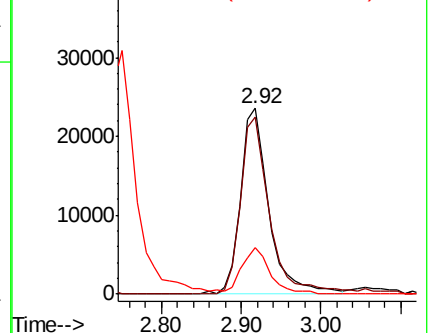
76 25.2 22.2 33.2

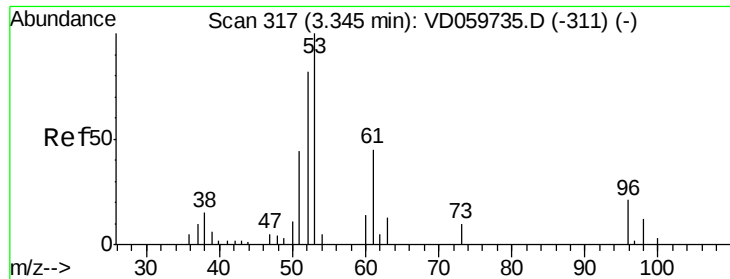


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

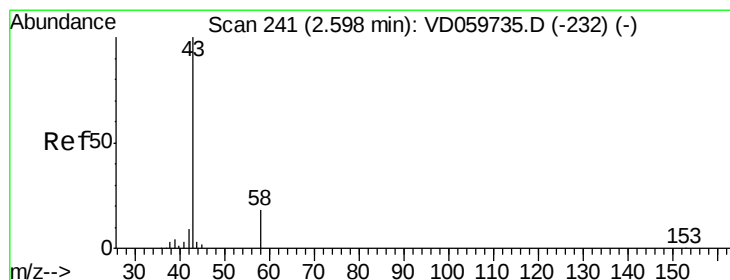
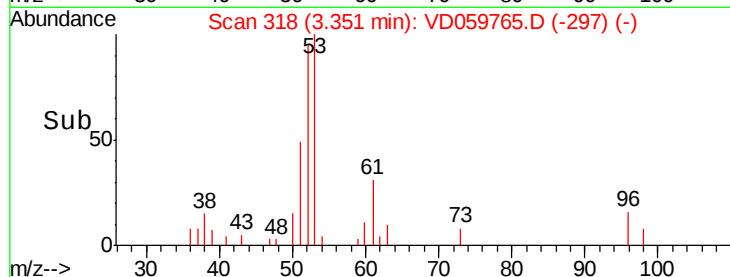
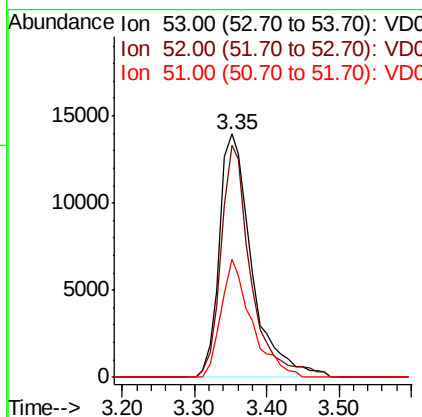
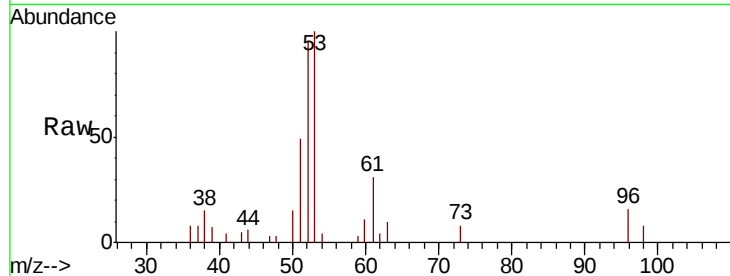




#15
 Acrylonitrile
 Concen: 129.60 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

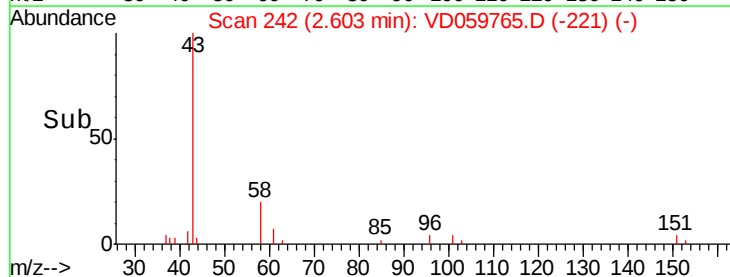
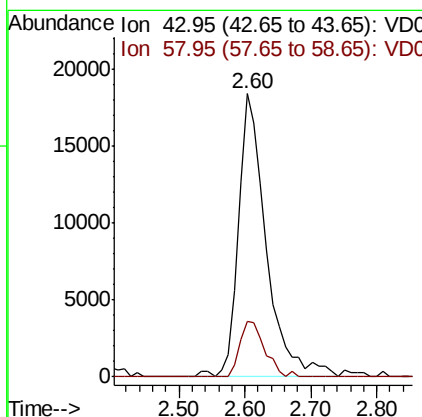
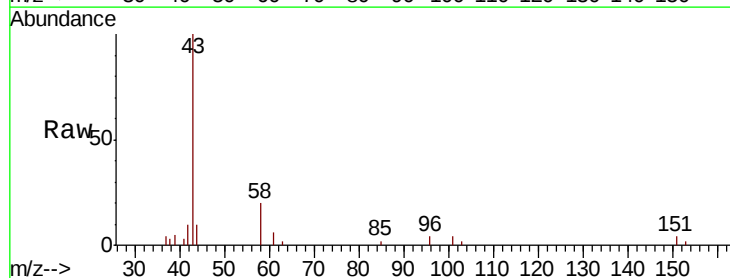
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

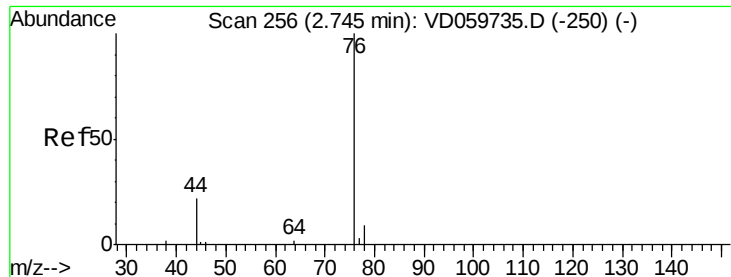
Tot Ion: 53 Resp: 43415
 Ion Ratio Lower Upper
 53 100
 52 95.2 65.8 98.6
 51 48.8 35.1 52.7



#16
 Acetone
 Concen: 85.23 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 43 Resp: 54442
 Ion Ratio Lower Upper
 43 100
 58 19.7 14.6 21.8

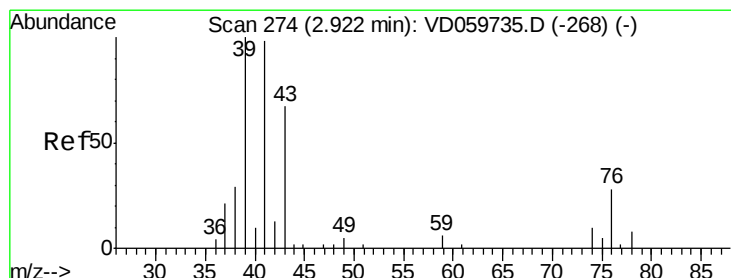
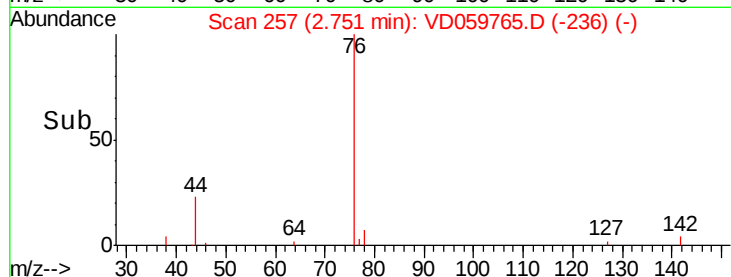
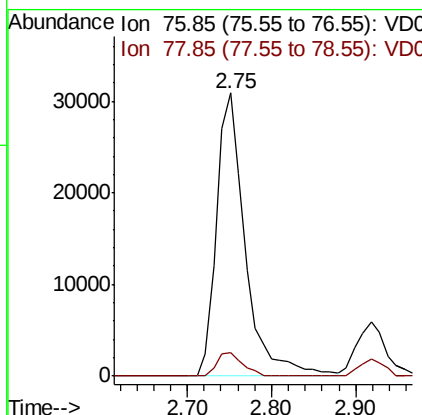
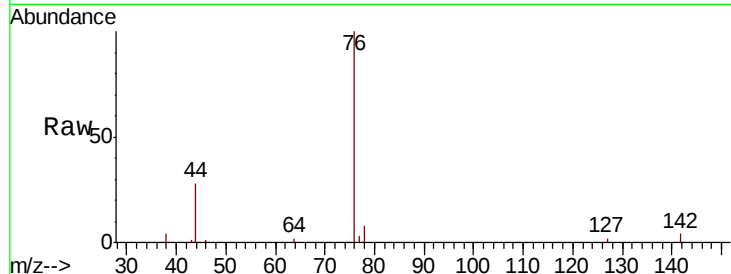




#17
Carbon Disulfide
Concen: 15.49 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

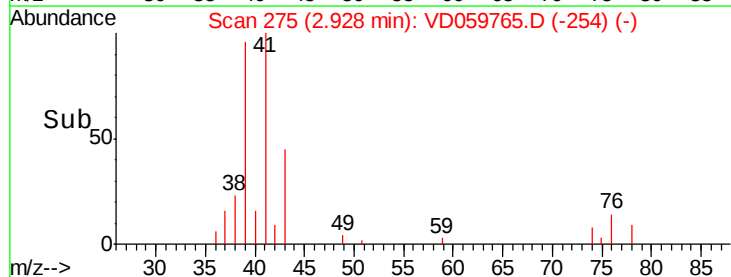
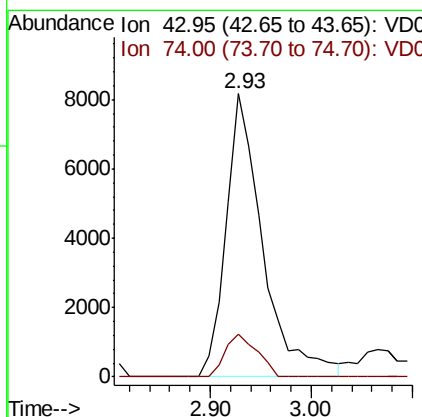
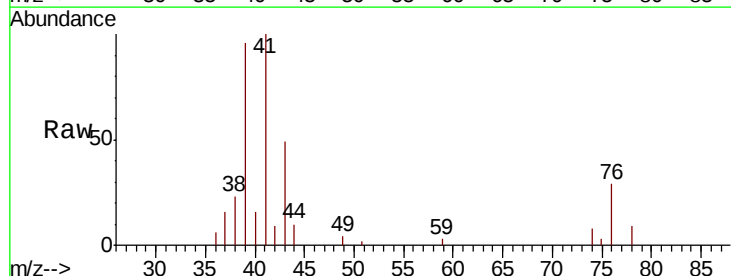
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

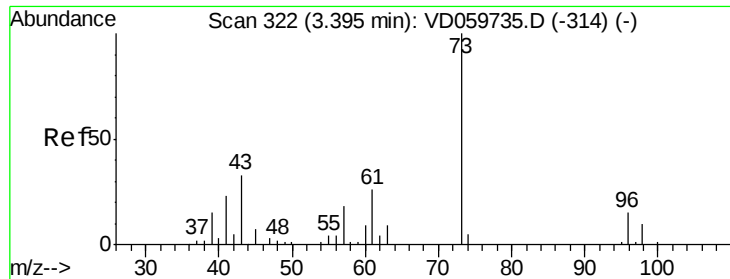
Tot Ion: 76 Resp: 73006
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.6



#18
Methyl Acetate
Concen: 16.98 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 43 Resp: 20599
Ion Ratio Lower Upper
43 100
74 15.3 12.1 18.1

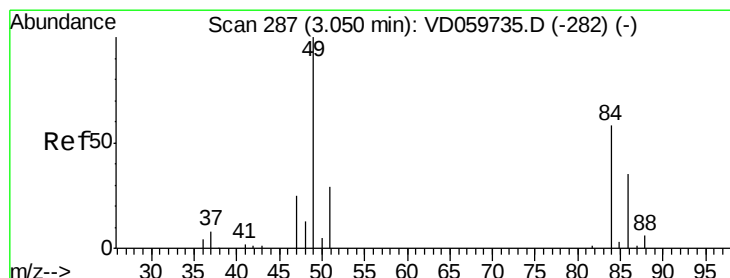
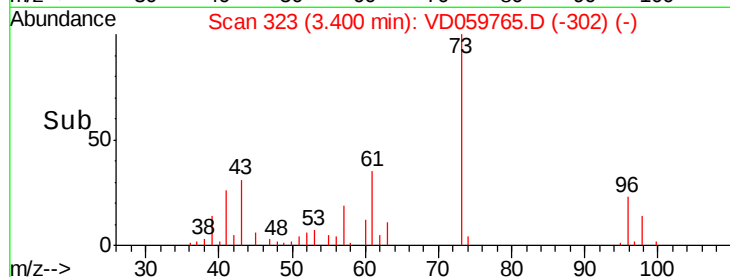
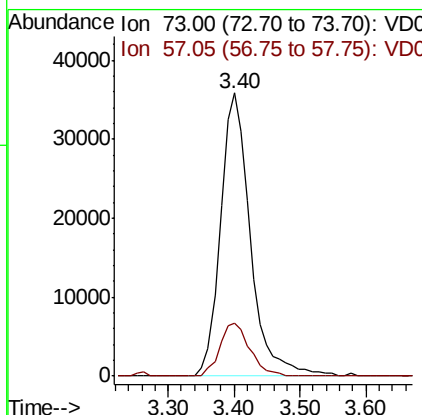
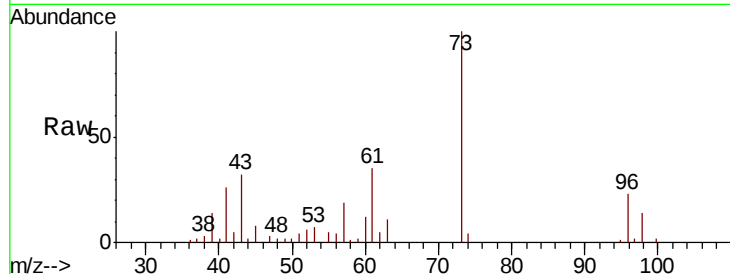




#19
Methvl tert-butvl Ether
Concen: 20.65 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

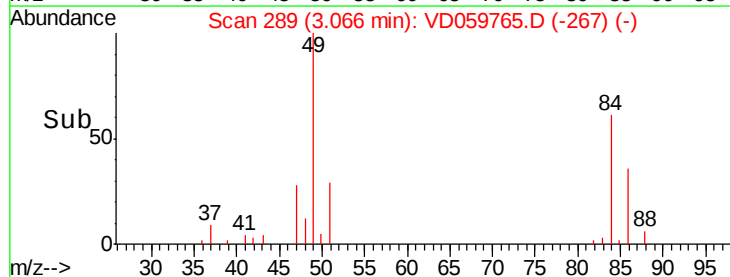
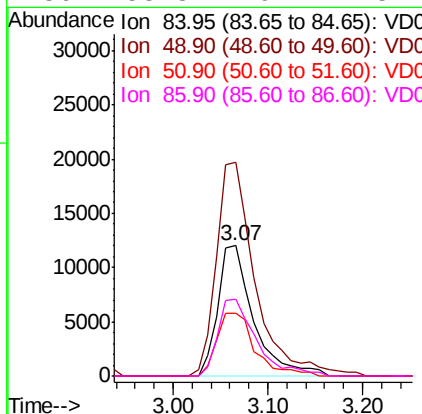
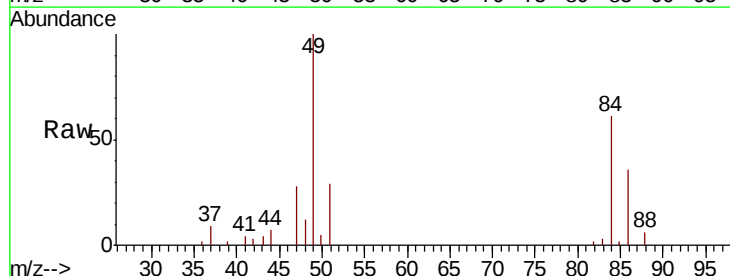
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

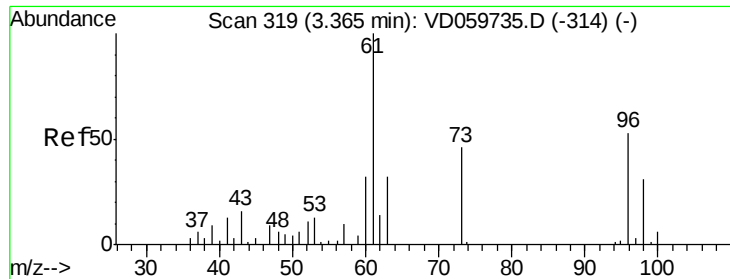
Tot Ion: 73 Resp: 113664
Ion Ratio Lower Upper
73 100
57 18.8 14.8 22.2



#20
Methylene Chloride
Concen: 17.05 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 84 Resp: 31446
Ion Ratio Lower Upper
84 100
49 164.1 138.9 208.3
51 48.1 40.2 60.2
86 58.8 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 26.59 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

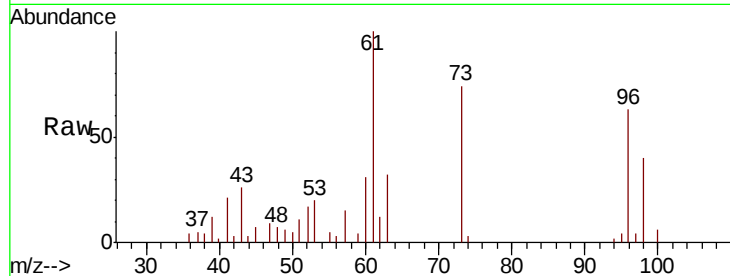
Tot Ion: 96 Resp: 47414

Ion Ratio Lower Upper

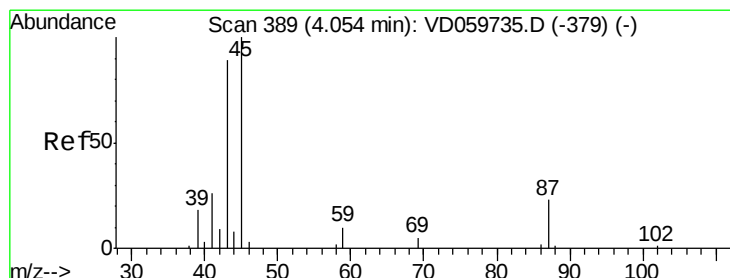
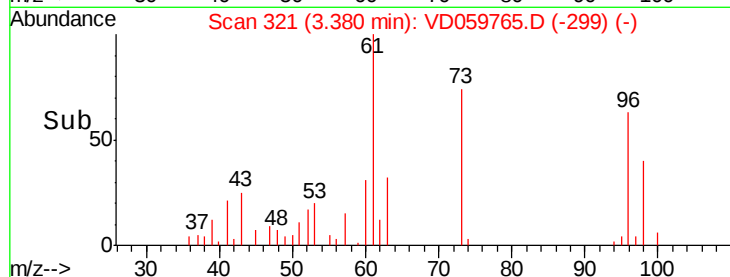
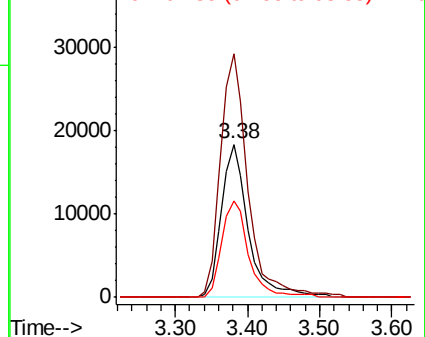
96 100

61 159.1 152.0 228.0

98 63.2 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: 25.65 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Tgt Ion: 45 Resp: 150744

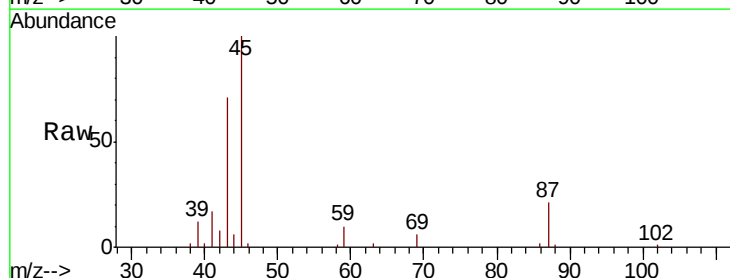
Ion Ratio Lower Upper

45 100

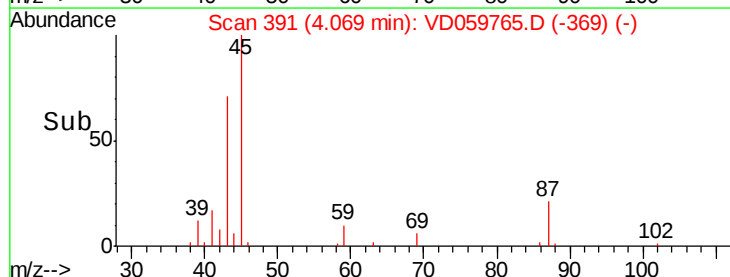
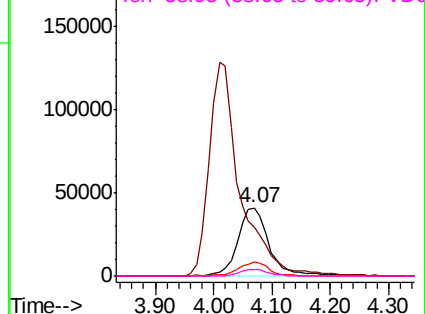
43 70.6 75.5 113.3#

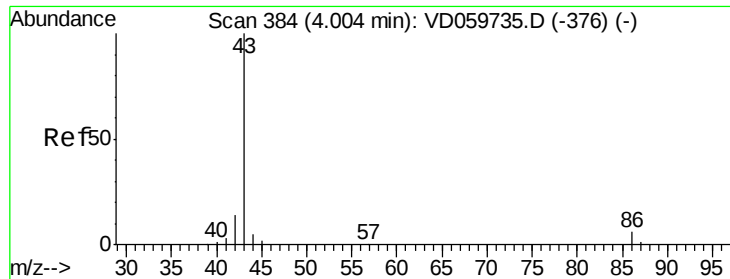
87 20.9 19.4 29.0

59 10.2 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: 118.09 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

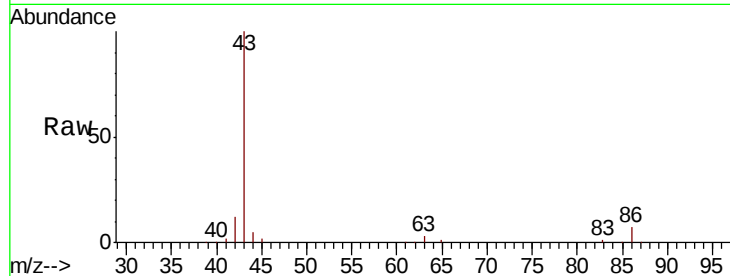
VD0814SBS01

Tot Ion: 43 Resp: 469648

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VD059765.D (-376) (-)

Ion 86.00 (85.70 to 86.70): VD059765.D (-376) (-)

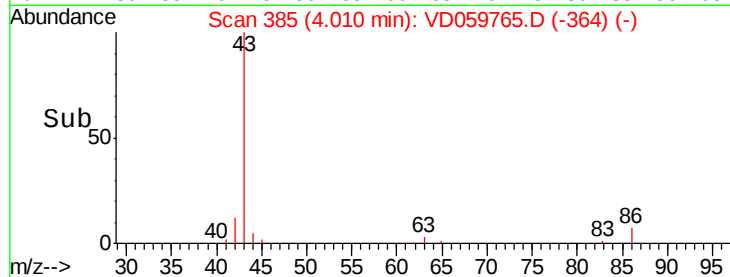
150000

100000

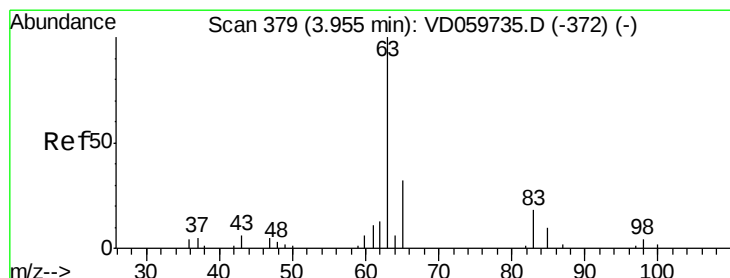
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 20.95 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

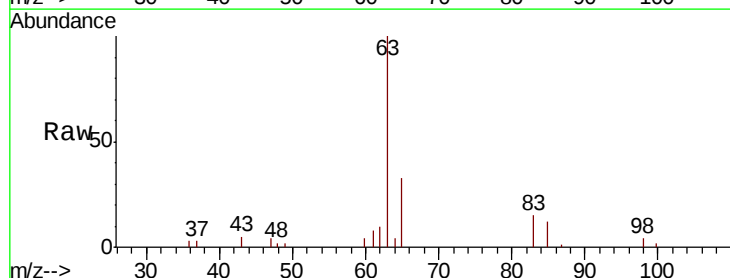
Tgt Ion: 63 Resp: 90929

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

100 2.1 1.1 3.1



Abundance Ion 62.95 (62.65 to 63.65): VD059765.D (-372) (-)

Ion 97.95 (97.65 to 98.65): VD059765.D (-372) (-)

Ion 99.95 (99.65 to 100.65): VD059765.D (-372) (-)

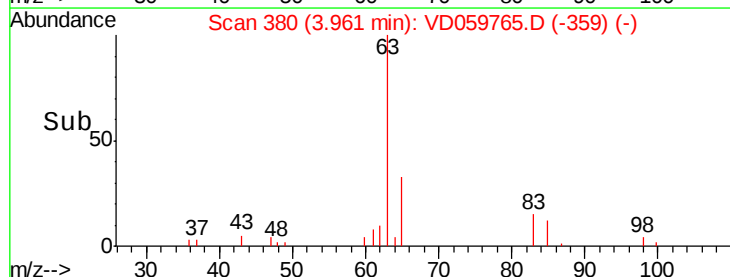
30000

20000

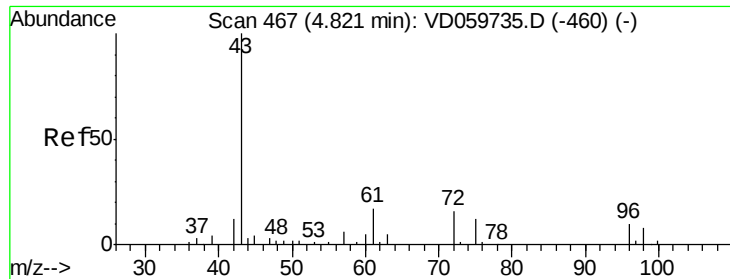
10000

0

Time-->



Time-->



#25

2-Butanone

Concen: 108.67 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

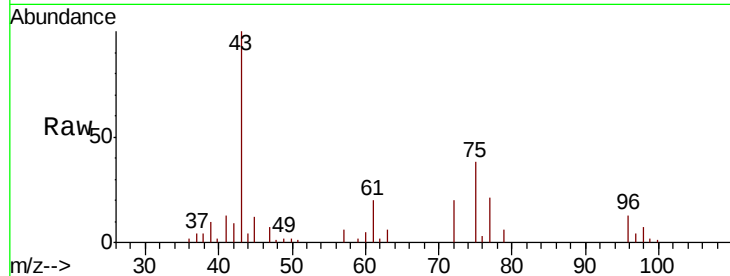
VD0814SBS01

Tot Ion: 43 Resp: 74609

Ion Ratio Lower Upper

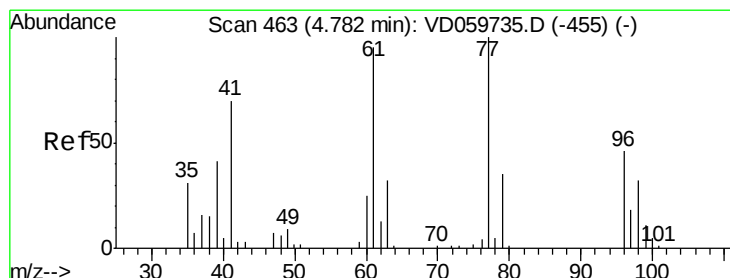
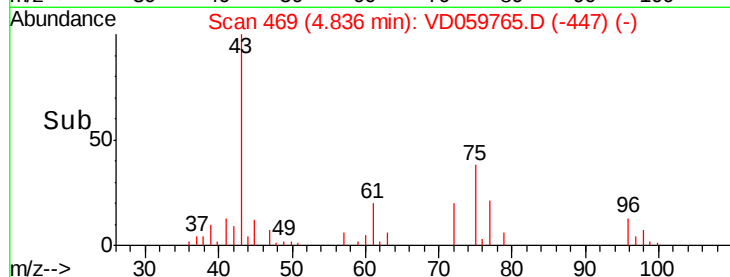
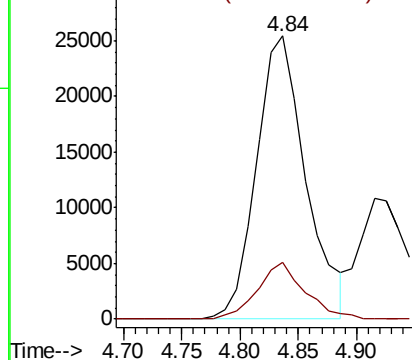
43 100

72 20.1 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: 17.61 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD059765.D

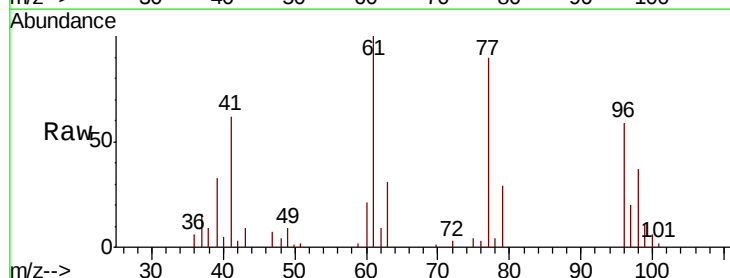
Acq: 14 Aug 2018 14:28

Tgt Ion: 77 Resp: 89378

Ion Ratio Lower Upper

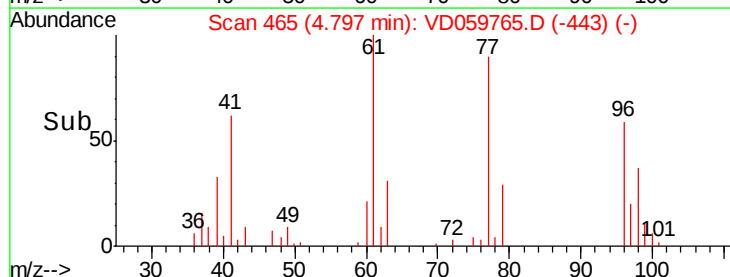
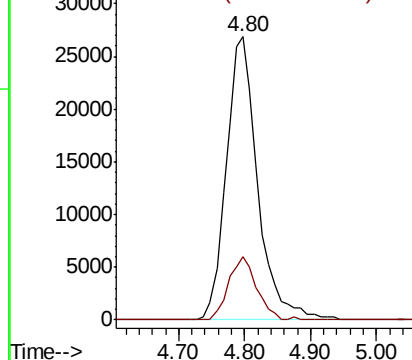
77 100

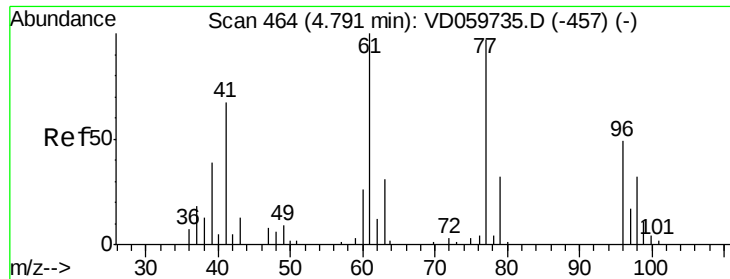
97 22.3 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



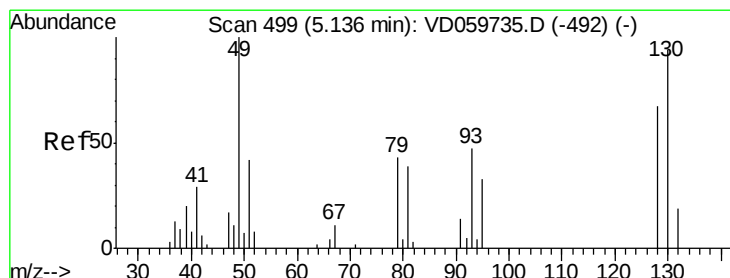
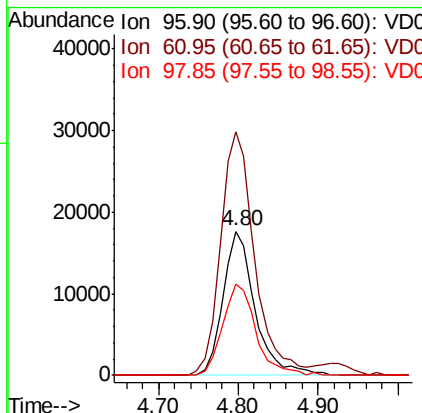
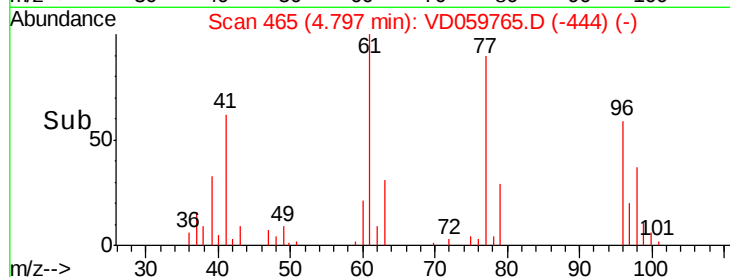
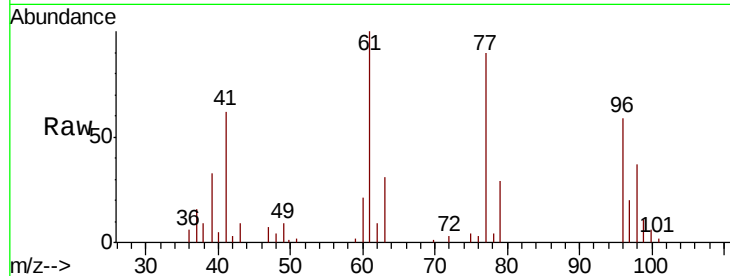


#27

cis-1,2-Dichloroethene
 Concen: 23.01 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

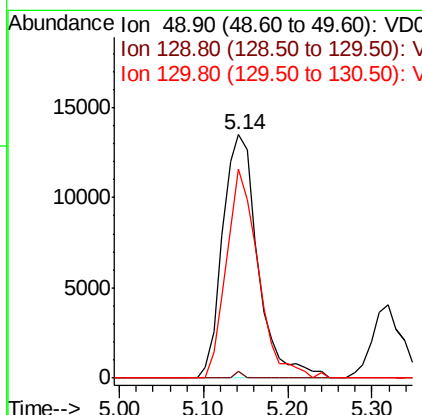
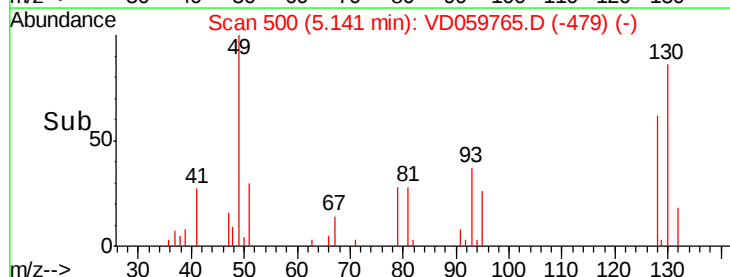
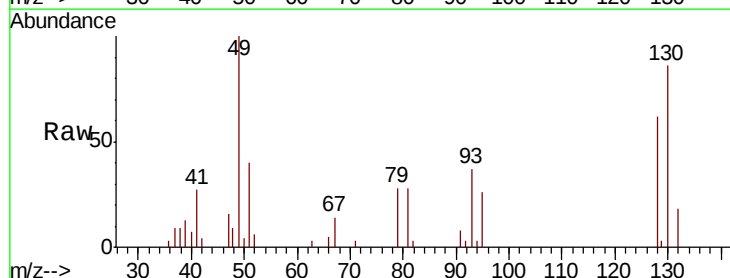
Tot Ion	96	Resp	49637
Ion	Ratio	Lower	Upper
96	100		
61	169.2	0.0	409.8
98	63.1	0.0	132.8

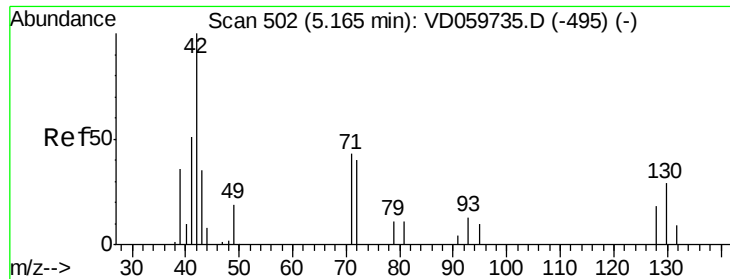


#28

Bromochloromethane
 Concen: 25.13 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion	49	Resp	39276
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	0.0#
130	86.1	75.0	112.6

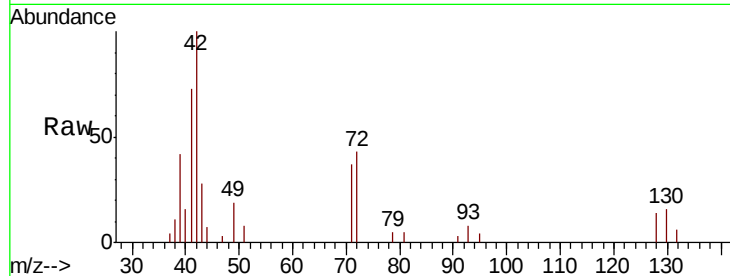




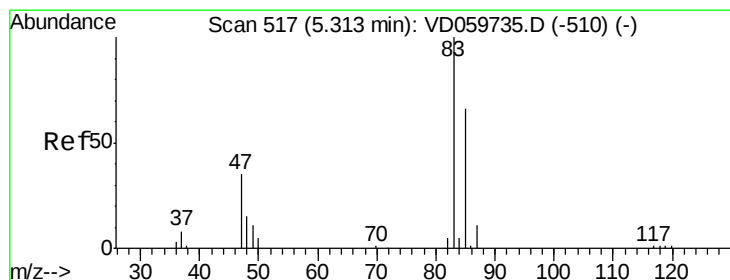
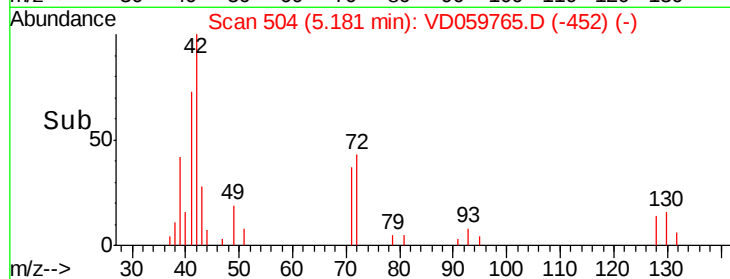
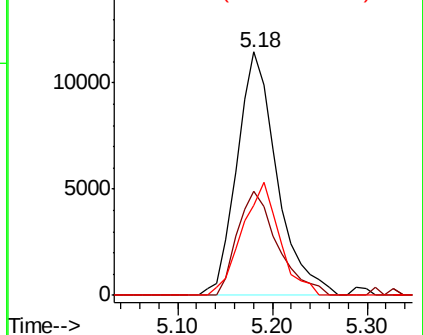
#29
Tetrahydrofuran
Concen: 130.61 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion: 42 Resp: 33529
Ion Ratio Lower Upper
42 100
72 43.2 35.3 52.9
71 43.7 37.1 55.7

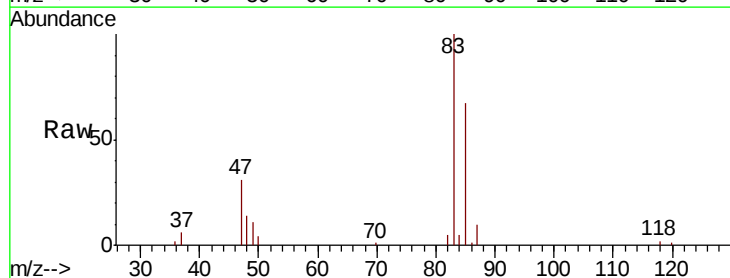


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

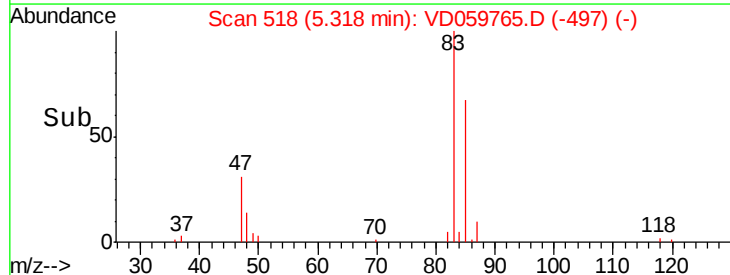
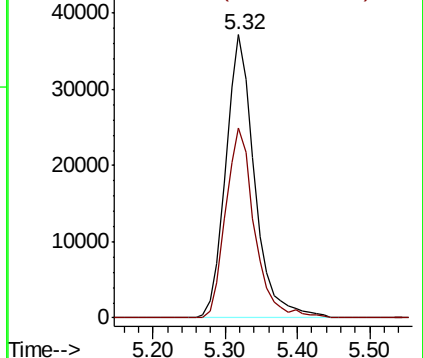


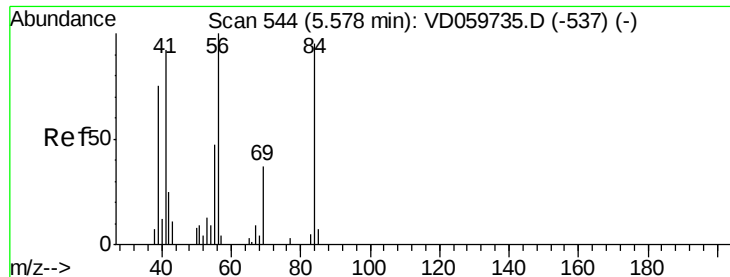
#30
Chloroform
Concen: 17.96 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 83 Resp: 102993
Ion Ratio Lower Upper
83 100
85 67.1 52.9 79.3



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

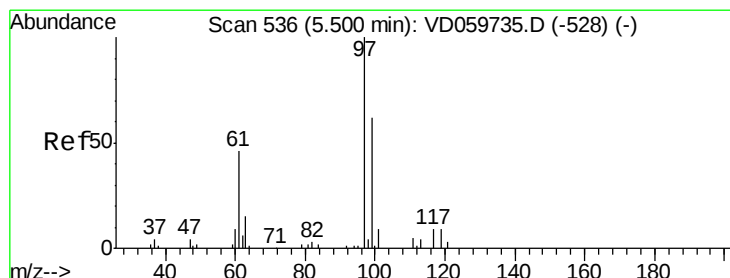
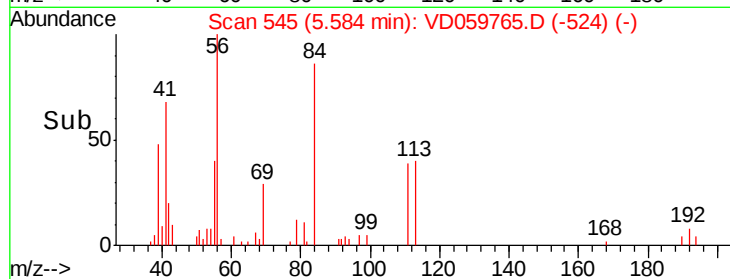
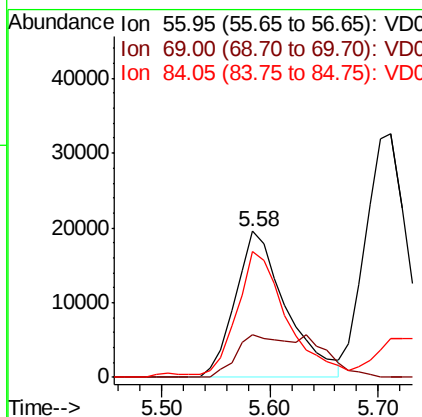
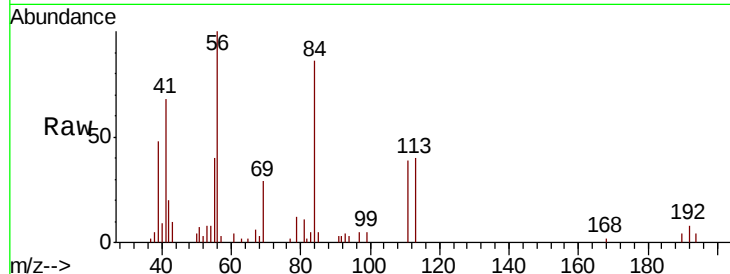




#31
Cyclohexane
Concen: 25.40 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

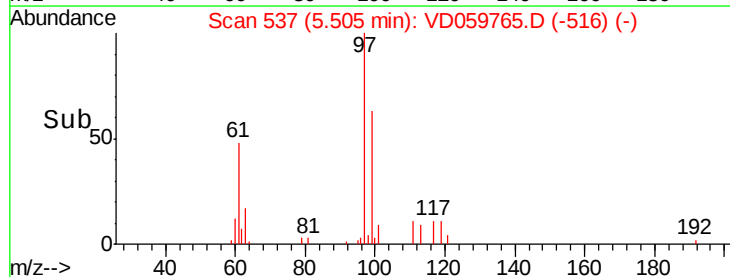
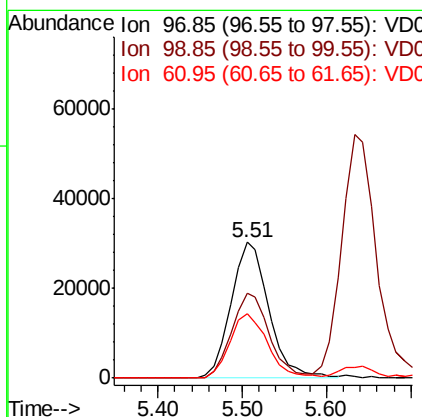
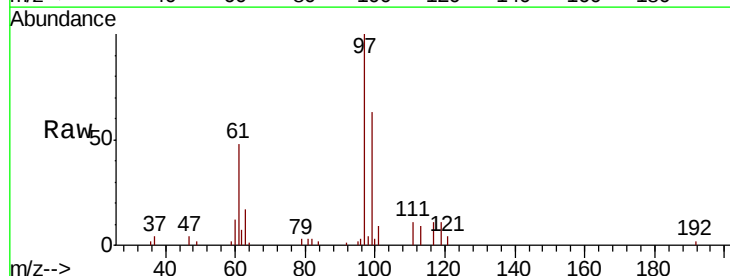
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

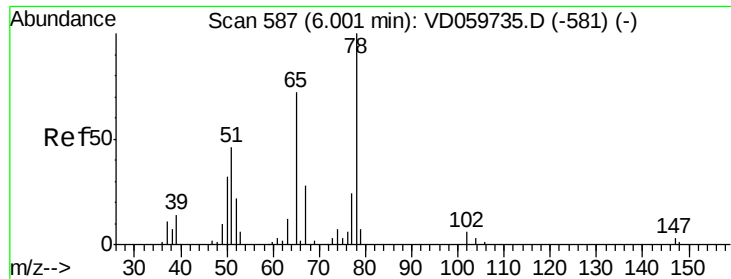
Tot Ion: 56 Resp: 64000
Ion Ratio Lower Upper
56 100
69 29.1 29.3 43.9#
84 86.4 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 15.92 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 97 Resp: 94647
Ion Ratio Lower Upper
97 100
99 63.0 49.8 74.6
61 47.5 37.0 55.4

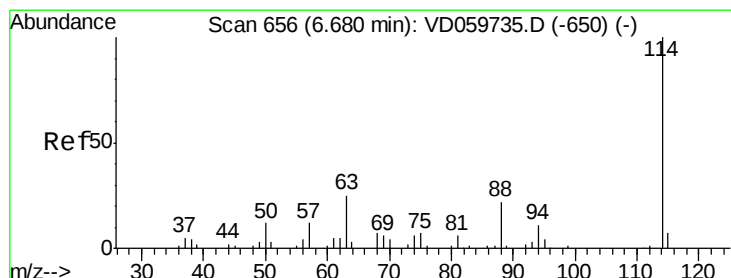
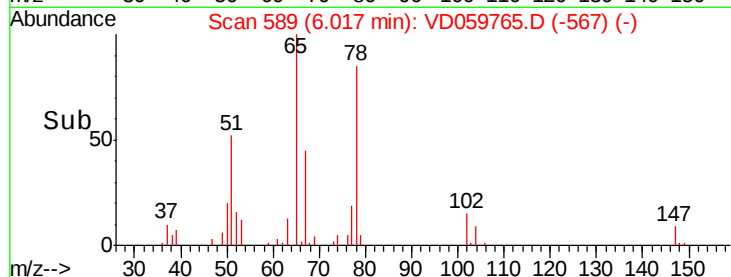
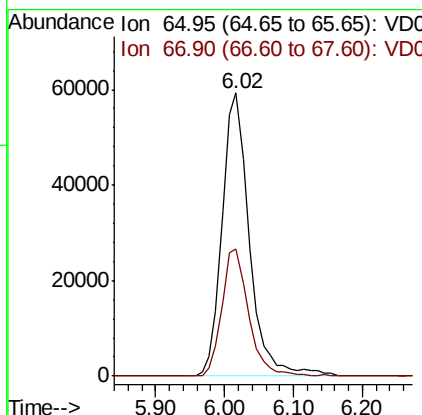
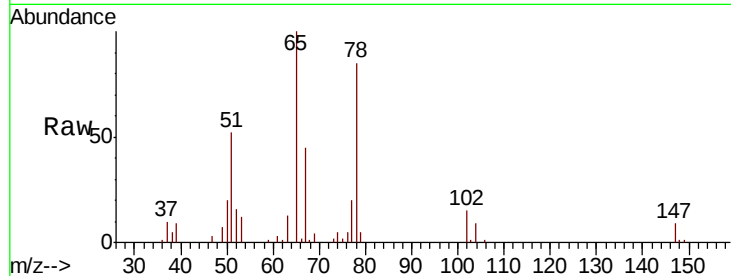




#33
 1,2-Dichloroethane-d4
 Concen: 15.92 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

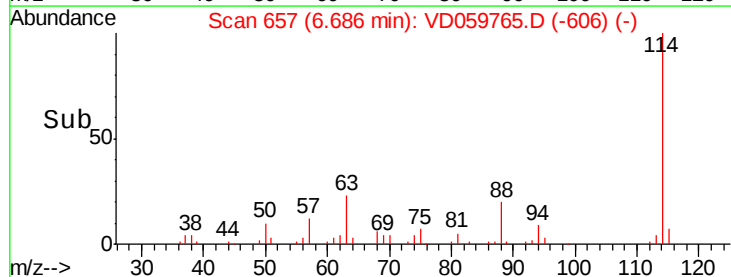
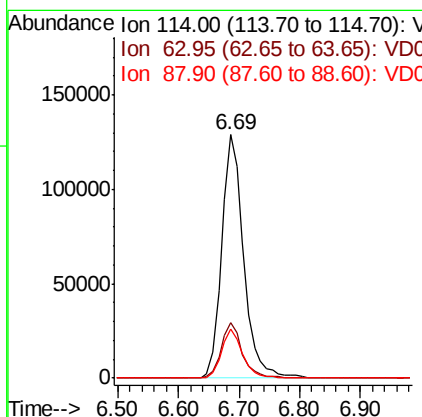
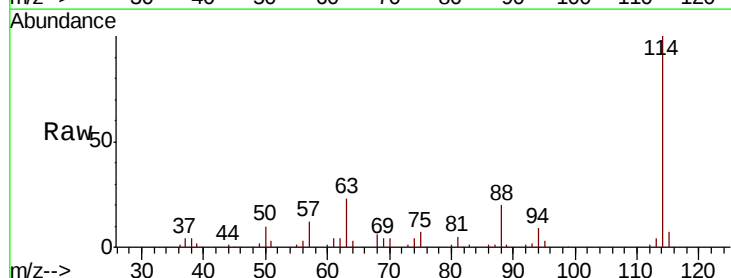
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

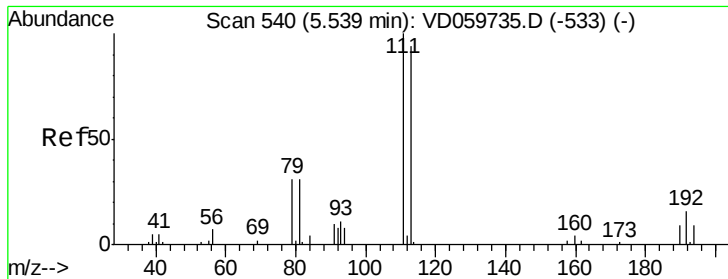
Tot Ion: 65 Resp: 162266
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 114 Resp: 323113
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 50.6
 88 20.0 0.0 43.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

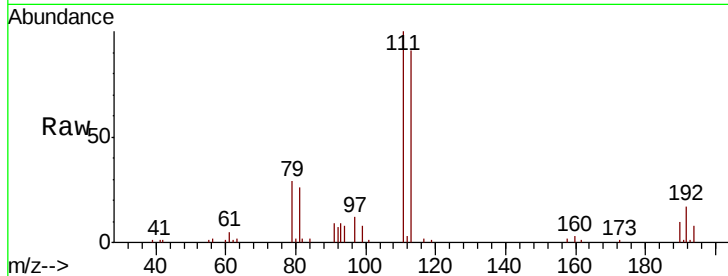
Tot Ion:113 Resp: 144076

Ion Ratio Lower Upper

113 100

111 110.5 85.3 127.9

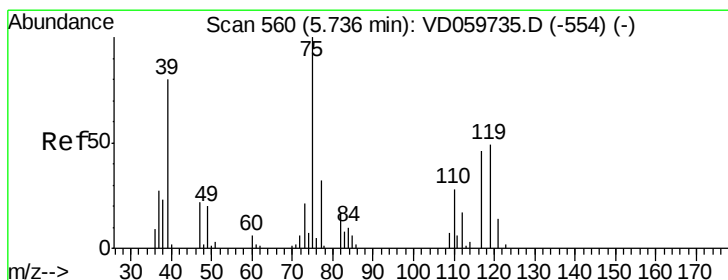
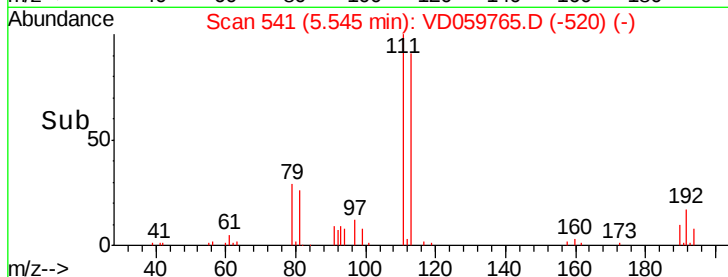
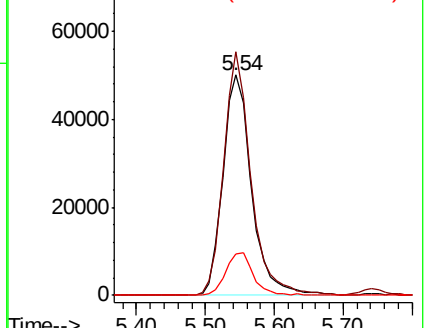
192 18.7 13.9 20.9



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.05 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

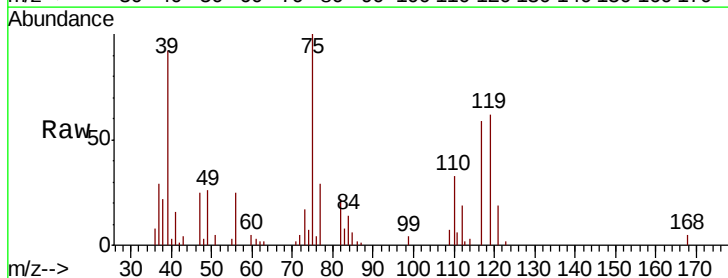
Tgt Ion: 75 Resp: 71443

Ion Ratio Lower Upper

75 100

110 33.2 13.7 41.0

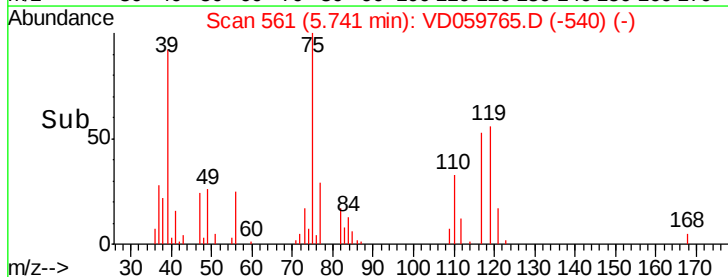
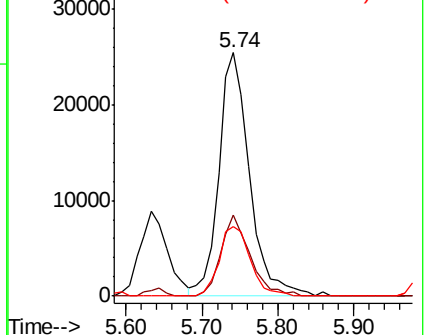
77 28.6 25.4 38.2

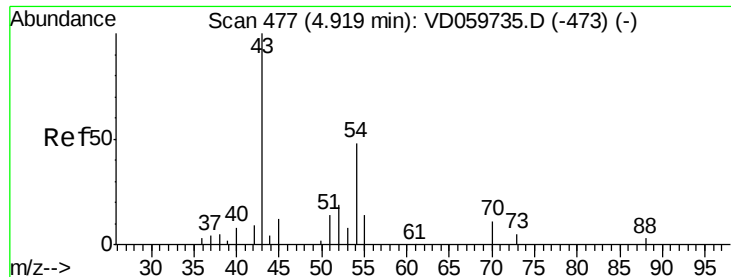


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

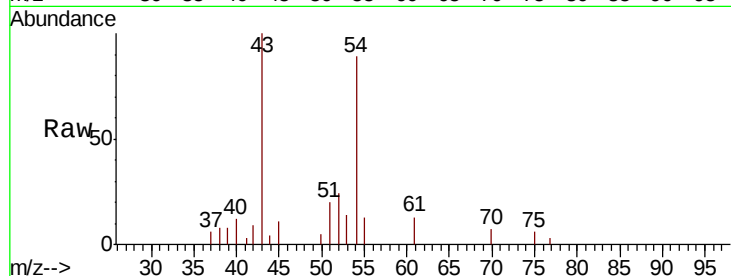




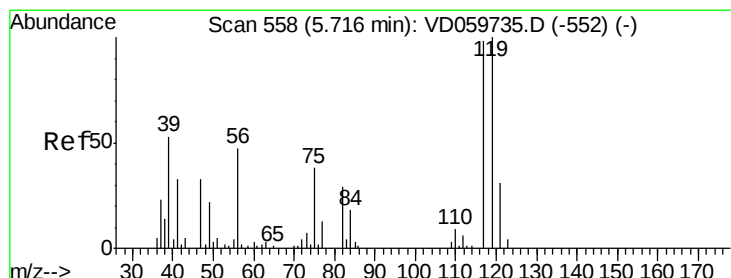
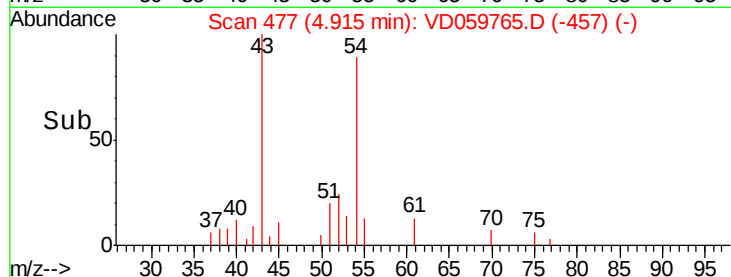
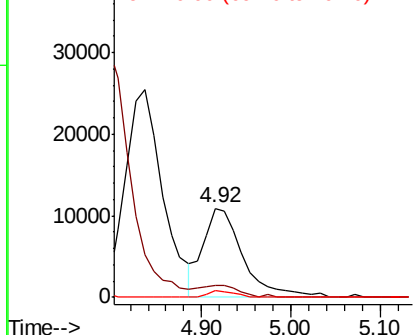
#37
Ethyl Acetate
Concen: 20.51 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion: 43 Resp: 33831
Ion Ratio Lower Upper
43 100
61 13.1 7.4 11.0#
70 7.0 5.8 8.8

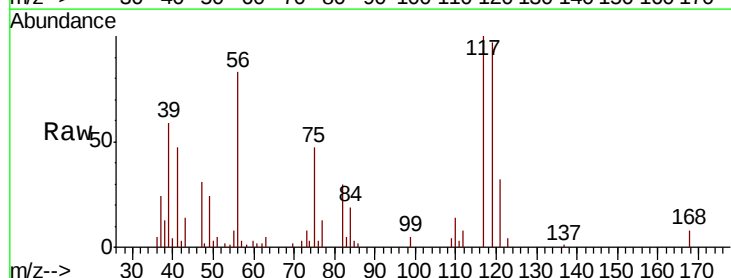


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

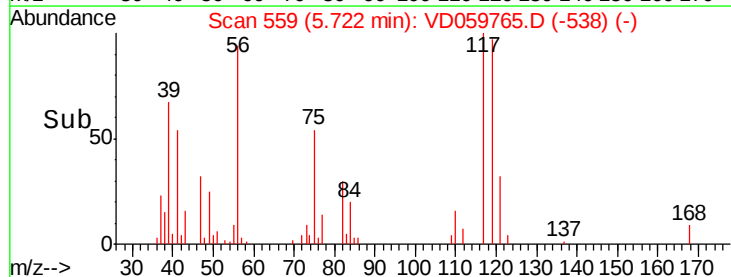
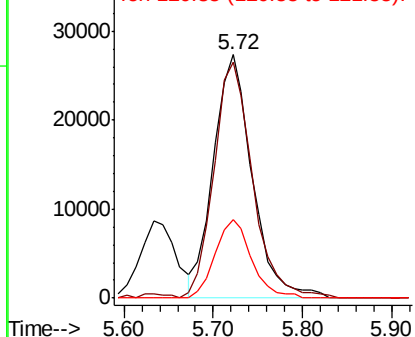


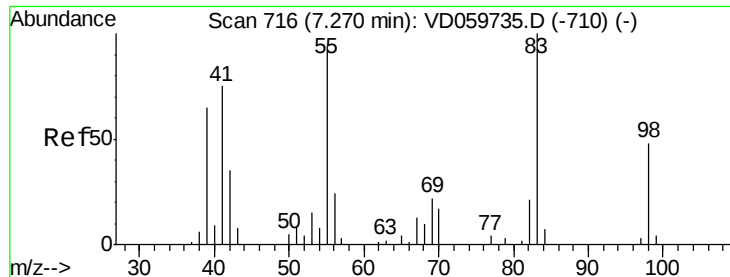
#38
Carbon Tetrachloride
Concen: 14.09 ug/l
RT: 5.72 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 117 Resp: 83135
Ion Ratio Lower Upper
117 100
119 96.8 78.2 117.2
121 32.3 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

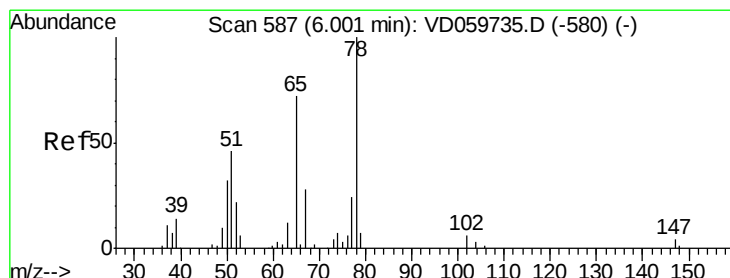
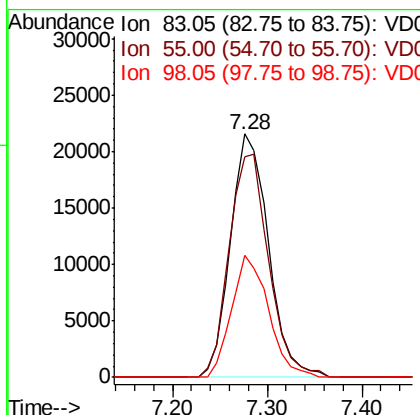
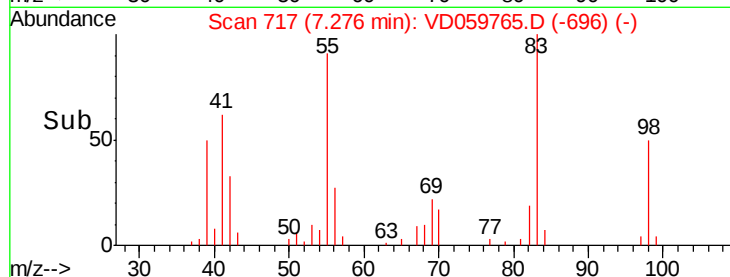
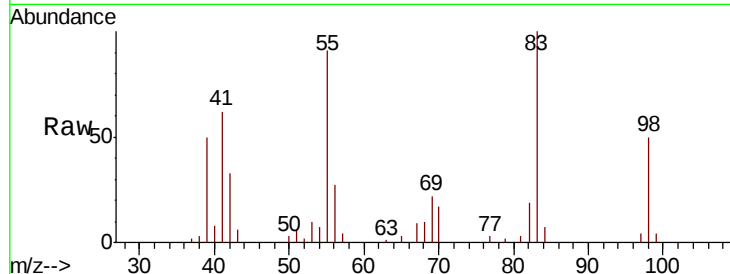




#39
Methvlcvclohexane
Concen: 21.58 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

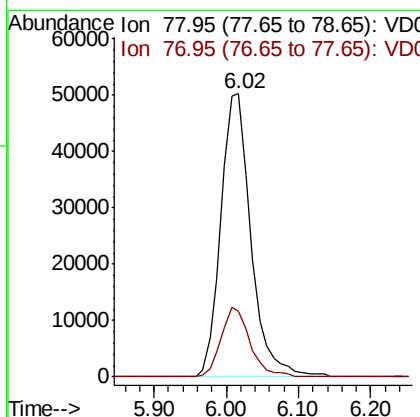
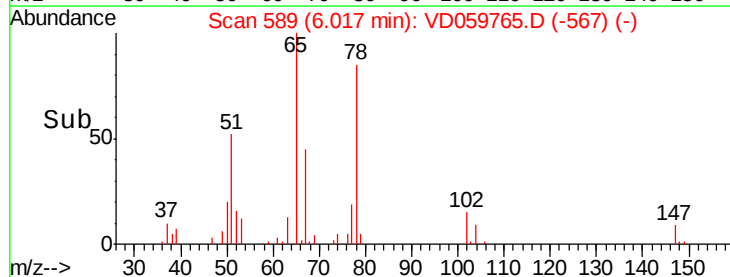
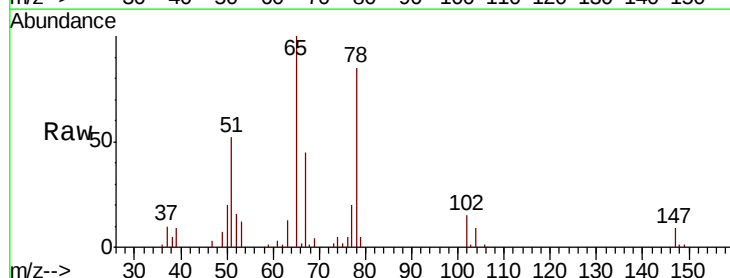
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

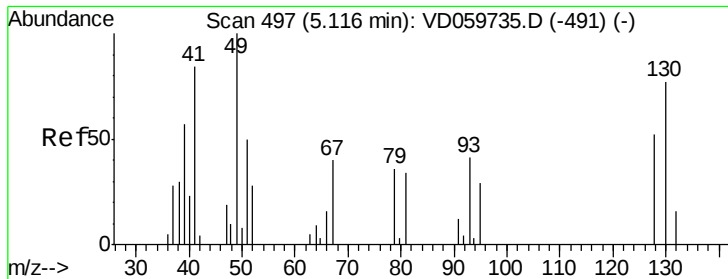
Tot Ion: 83 Resp: 59978
Ion Ratio Lower Upper
83 100
55 90.8 75.1 112.7
98 49.9 38.7 58.1



#40
Benzene
Concen: 22.24 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.02 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 78 Resp: 145348
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





#41

Methacrylonitrile

Concen: 19.70 ug/l

RT: 5.11 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 41 Resp: 15275

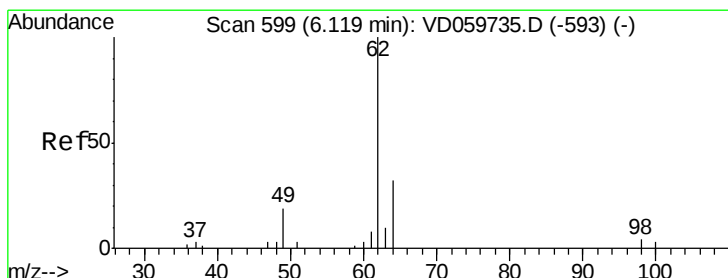
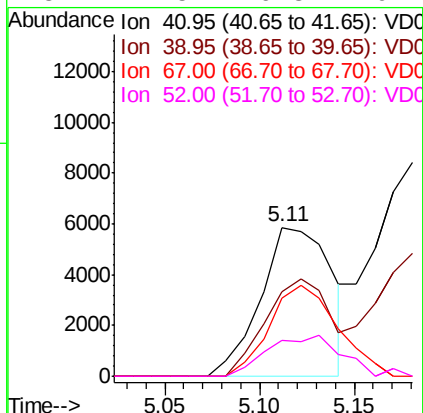
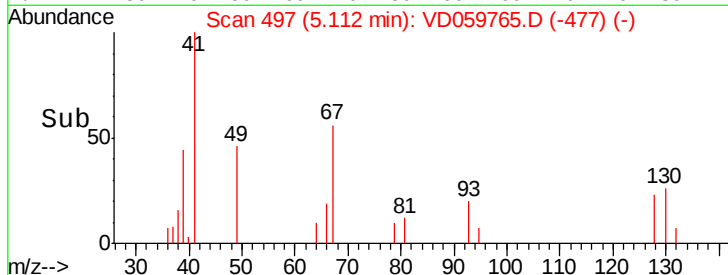
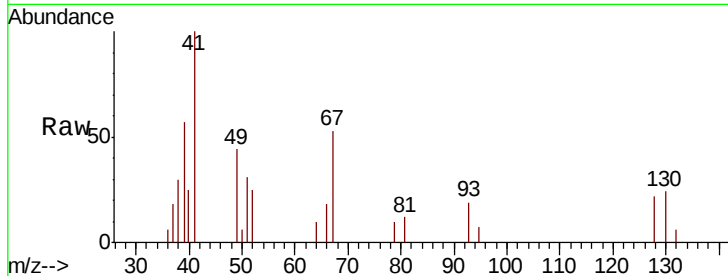
Ion Ratio Lower Upper

41 100

39 56.9 54.3 81.5

67 52.6 38.2 57.2

52 24.5 26.8 40.2#



#42

1,2-Dichloroethane

Concen: 14.90 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059765.D

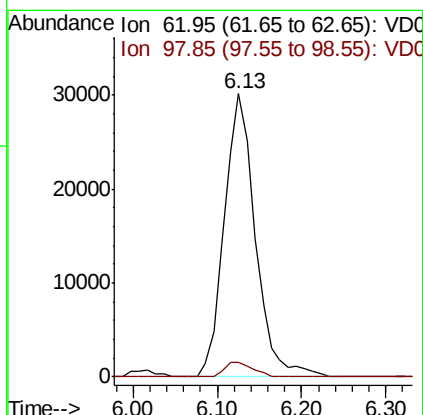
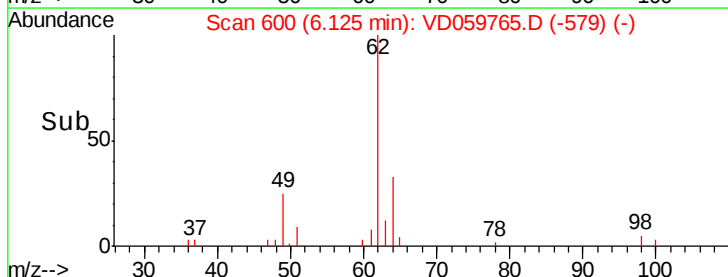
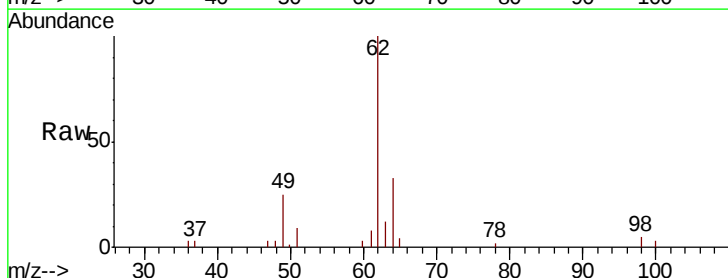
Acq: 14 Aug 2018 14:28

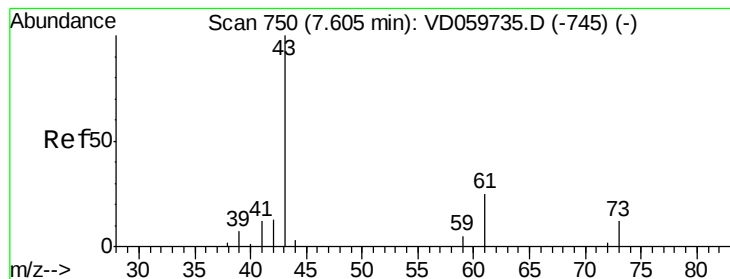
Tgt Ion: 62 Resp: 77206

Ion Ratio Lower Upper

62 100

98 5.1 0.0 8.2





#43

Isopropyl Acetate

Concen: 19.93 ug/l

RT: 7.61 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

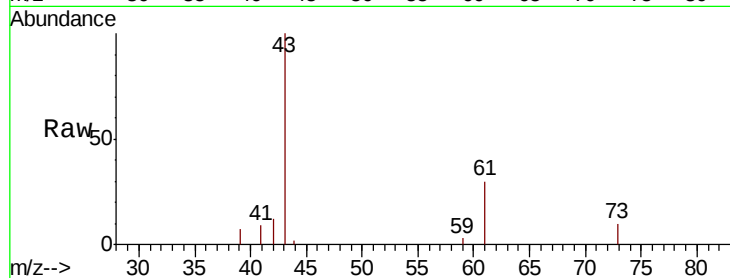
Tot Ion: 43 Resp: 41407

Ion Ratio Lower Upper

43 100

61 30.4 19.8 29.8#

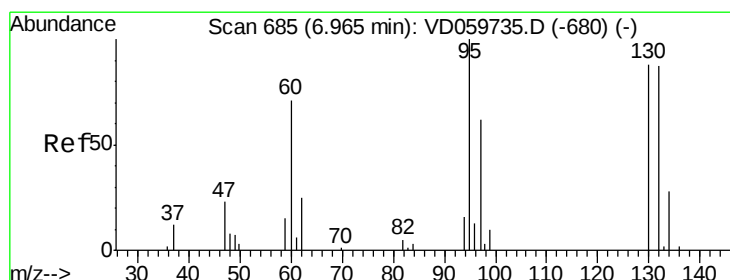
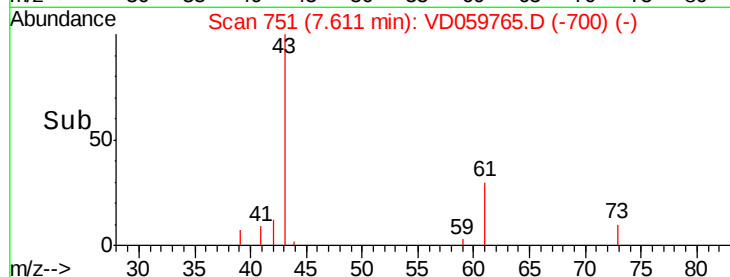
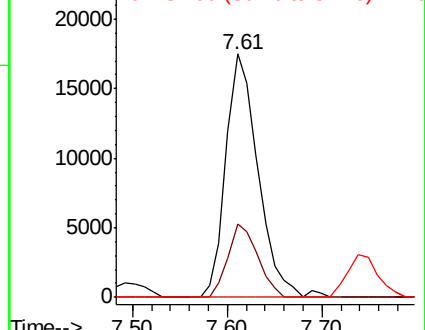
87 0.0 0.0 0.0



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: 18.73 ug/l

RT: 6.98 min Scan# 687

Delta R.T. 0.02 min

Lab File: VD059765.D

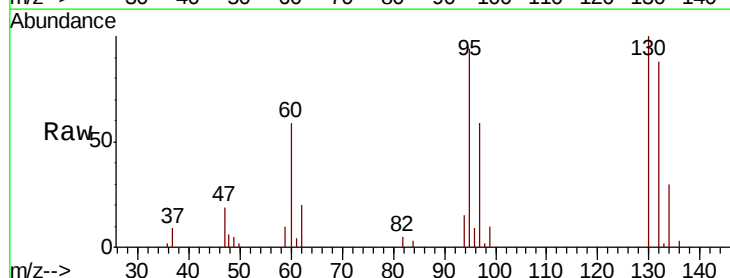
Acq: 14 Aug 2018 14:28

Tgt Ion:130 Resp: 49379

Ion Ratio Lower Upper

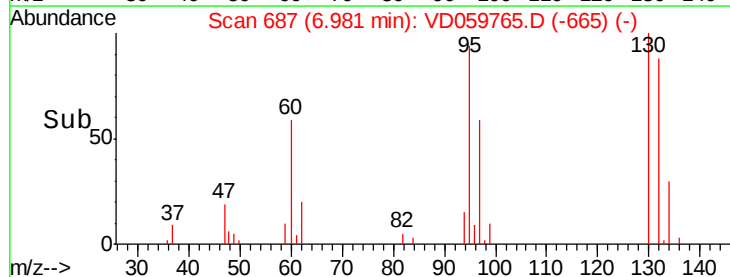
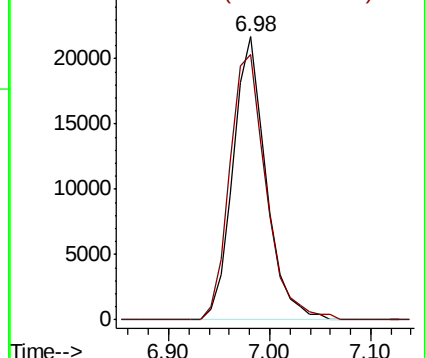
130 100

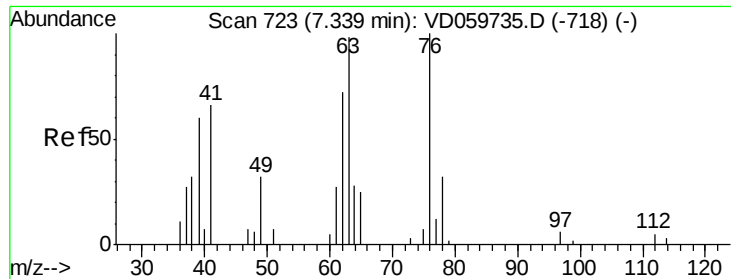
95 94.0 0.0 226.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.20 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

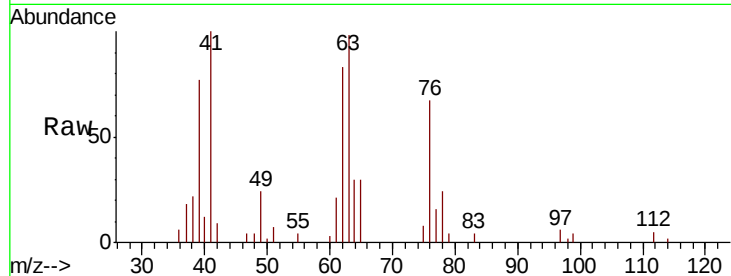
VD0814SBS01

Tot Ion: 63 Resp: 36949

Ion Ratio Lower Upper

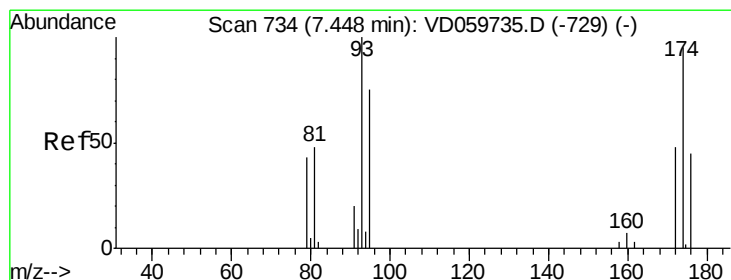
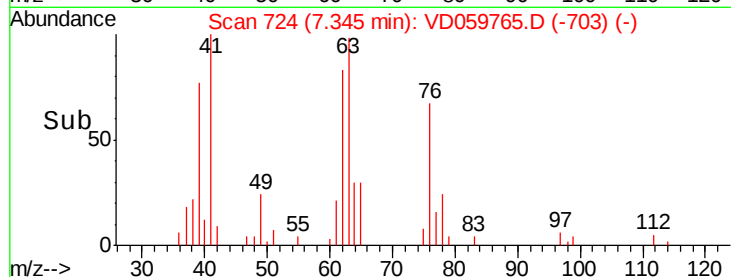
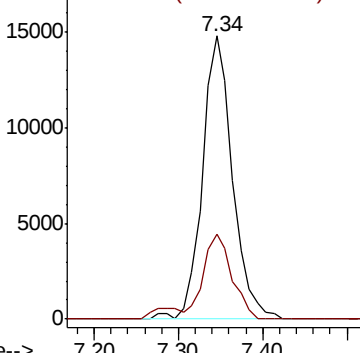
63 100

65 30.1 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: 17.26 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

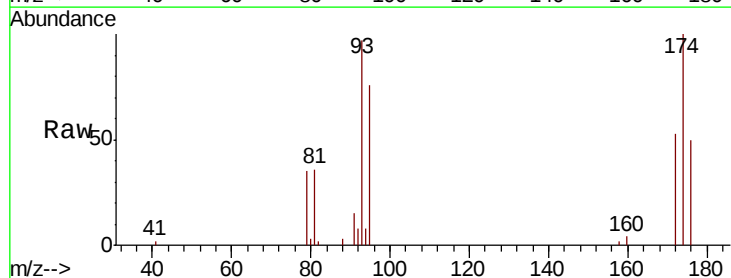
Tgt Ion: 93 Resp: 30518

Ion Ratio Lower Upper

93 100

95 78.4 60.2 90.2

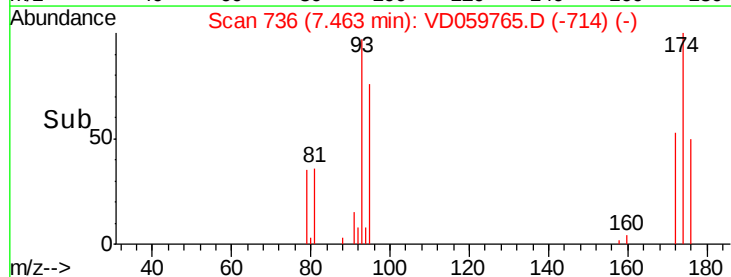
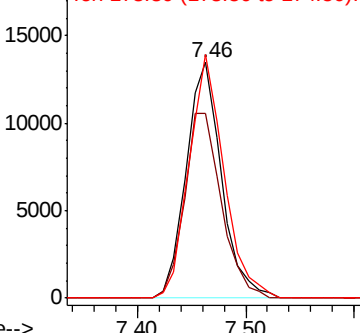
174 103.2 75.6 113.4

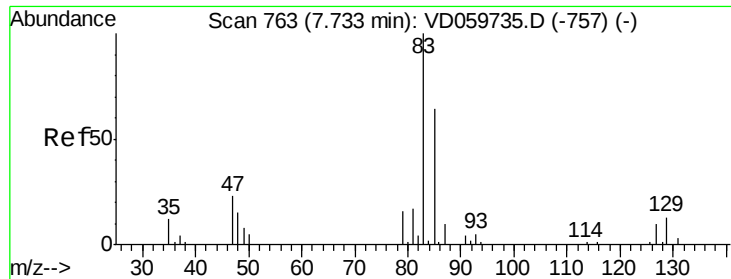


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 16.42 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

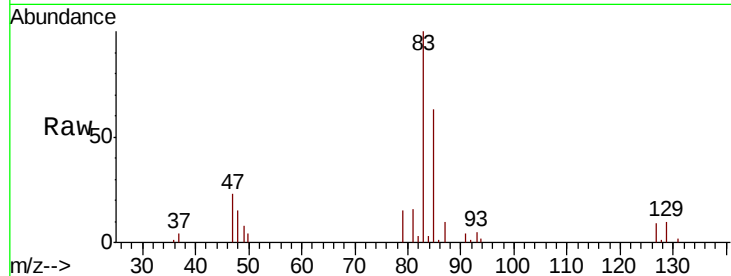
Tot Ion: 83 Resp: 76680

Ion Ratio Lower Upper

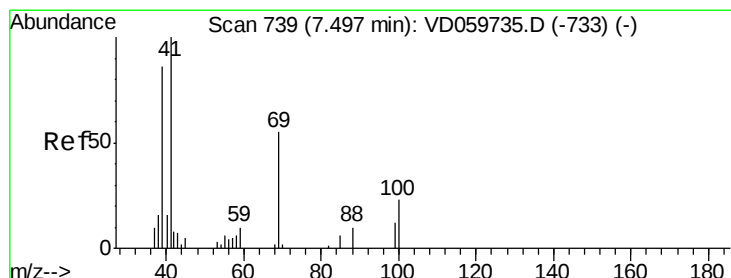
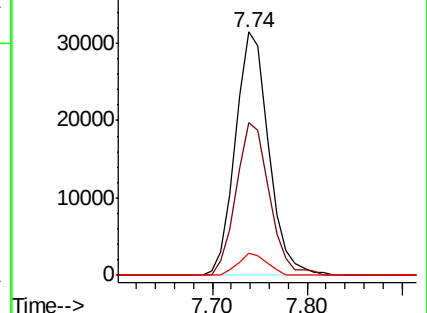
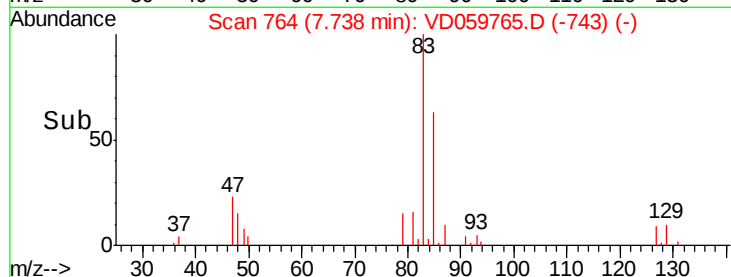
83 100

85 62.8 51.6 77.4

127 8.9 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: 19.79 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

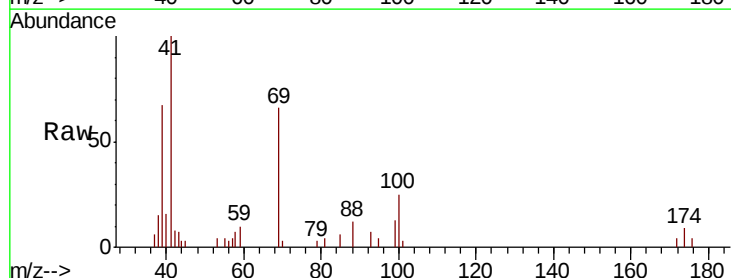
Tgt Ion: 41 Resp: 30016

Ion Ratio Lower Upper

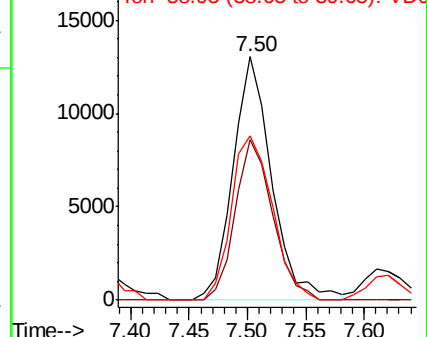
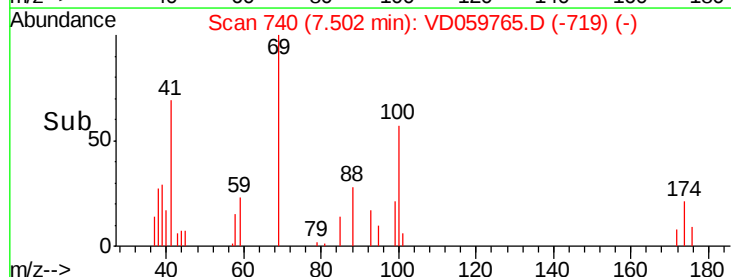
41 100

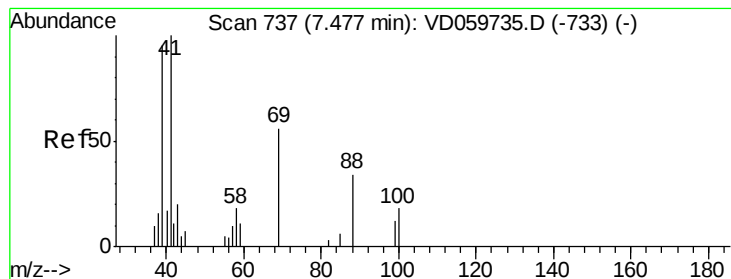
69 65.9 43.8 65.6#

39 67.4 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: 524.69 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

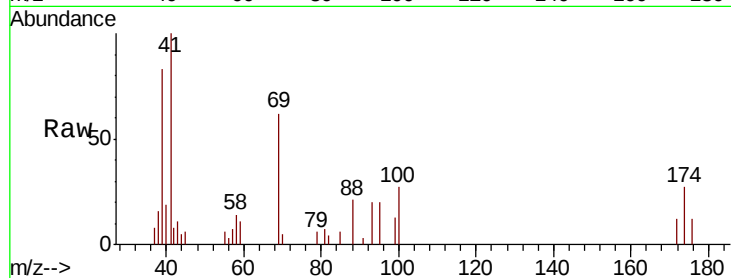
Tot Ion: 88 Resp: 5626

Ion Ratio Lower Upper

88 100

43 53.9 46.7 70.1

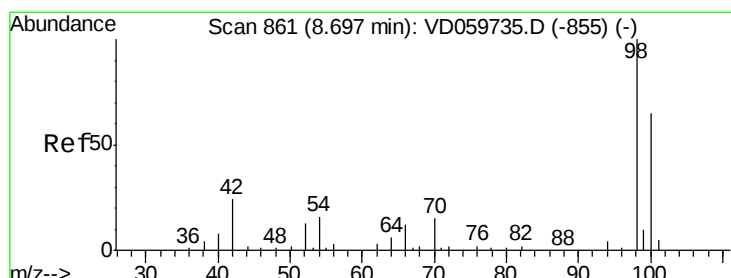
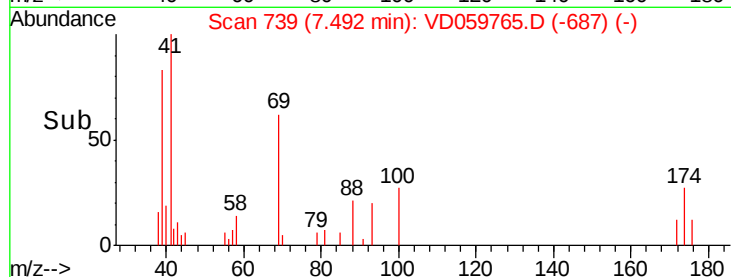
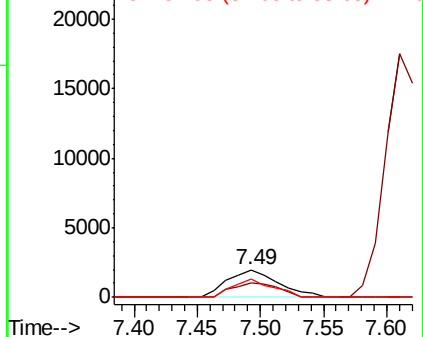
58 65.6 42.1 63.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 524.69 ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD059765.D

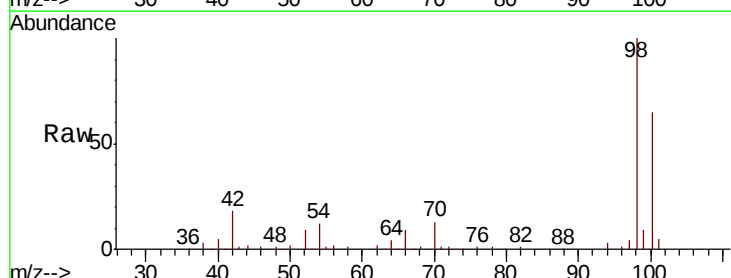
Acq: 14 Aug 2018 14:28

Tgt Ion: 98 Resp: 338487

Ion Ratio Lower Upper

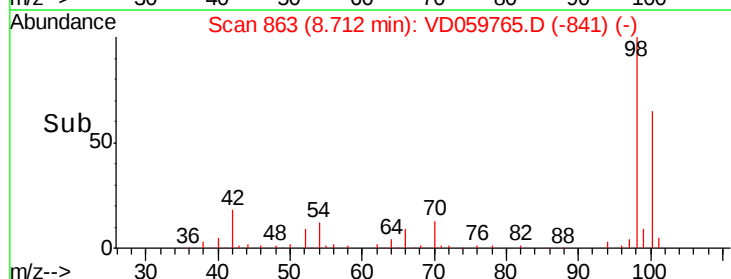
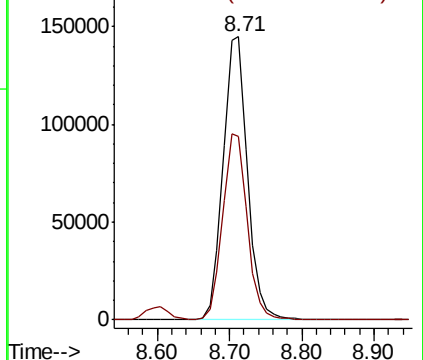
98 100

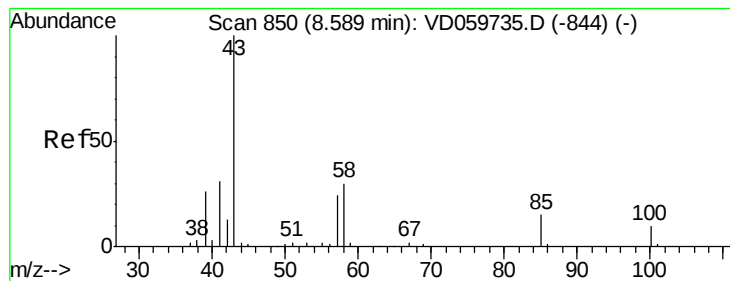
100 64.8 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 90.82 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

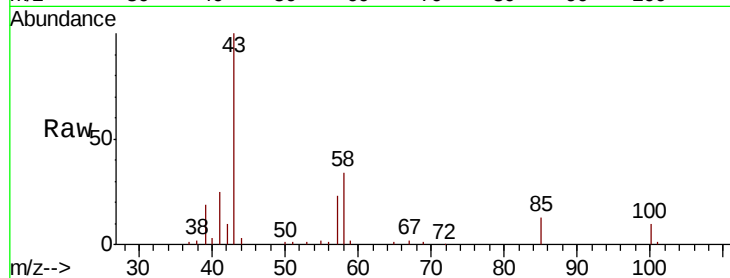
VD0814SBS01

Tot Ion: 43 Resp: 145471

Ion Ratio Lower Upper

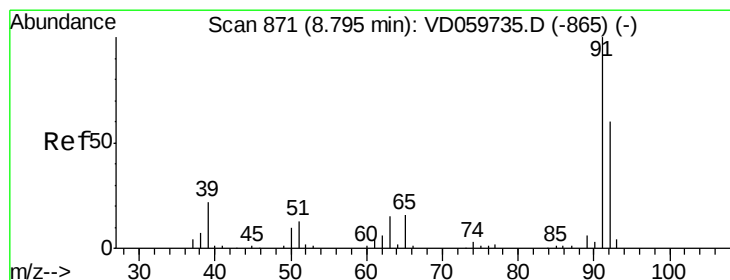
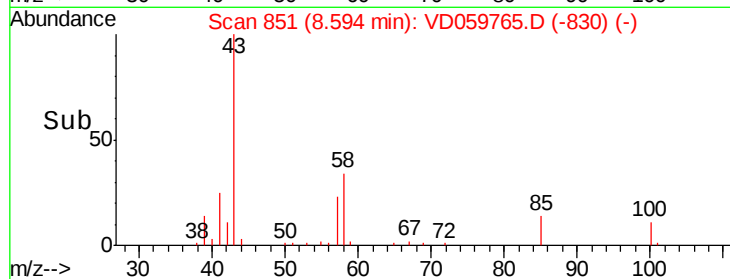
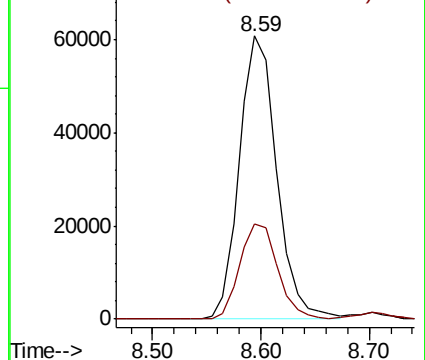
43 100

58 33.7 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: 22.81 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059765.D

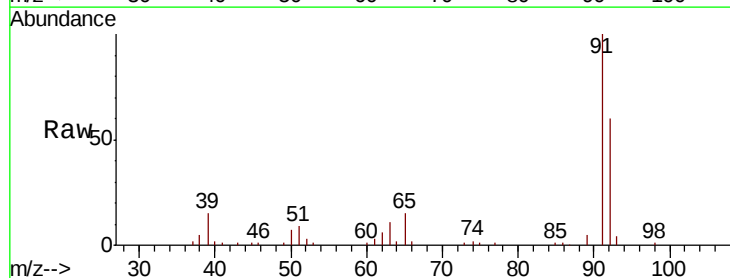
Acq: 14 Aug 2018 14:28

Tgt Ion: 92 Resp: 95850

Ion Ratio Lower Upper

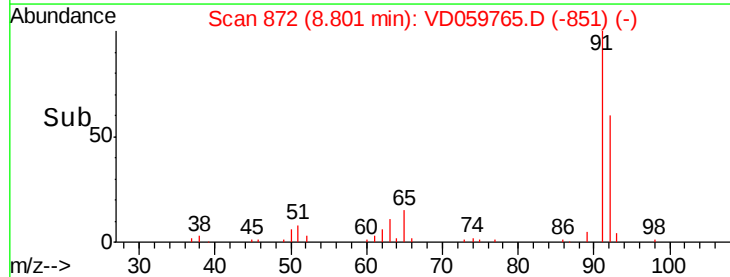
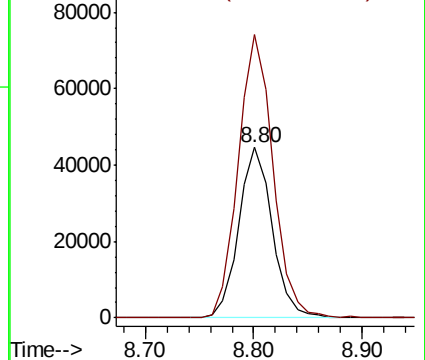
92 100

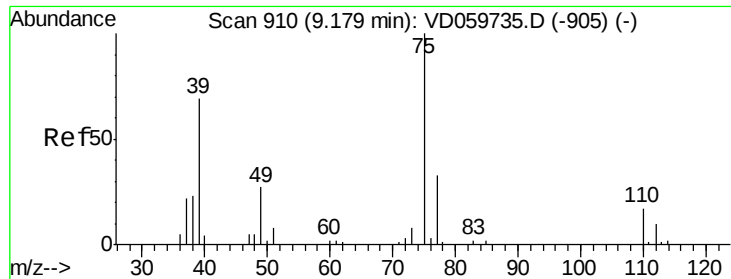
91 166.2 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

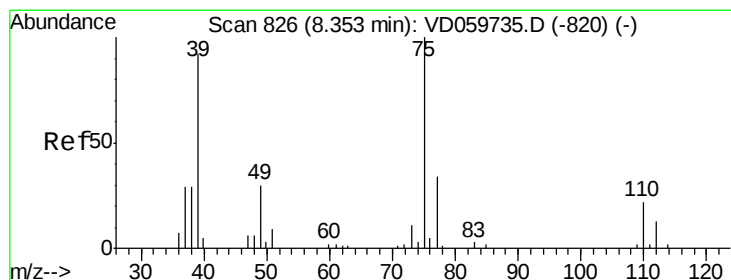
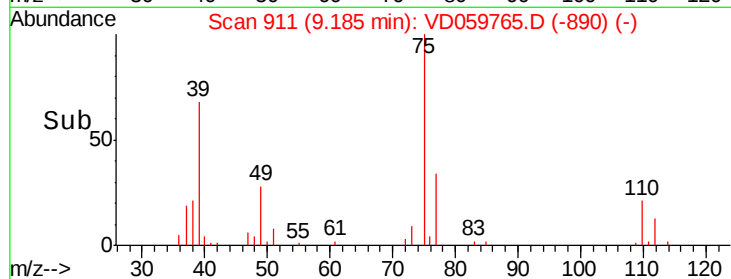
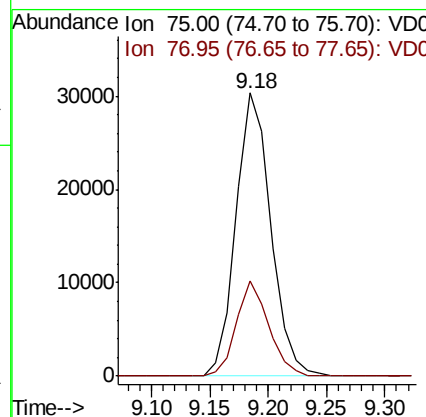
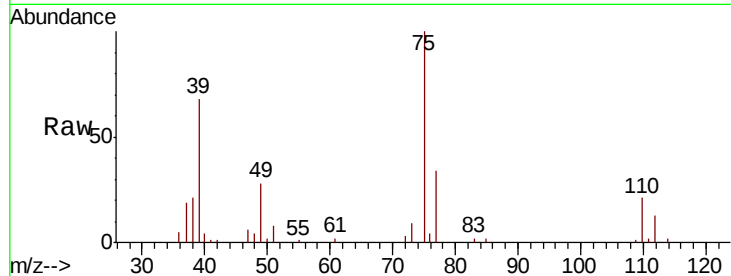




#53
t-1,3-Dichloropropene
Concen: 16.73 ug/l
RT: 9.18 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

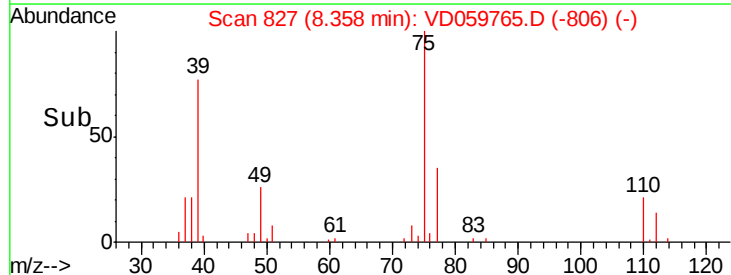
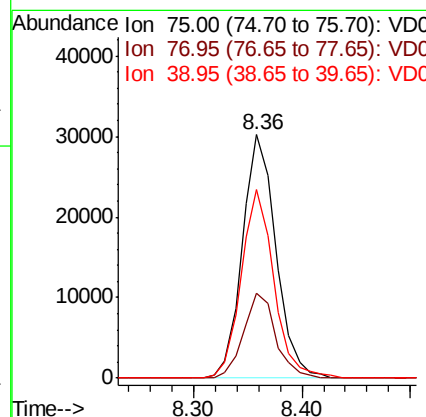
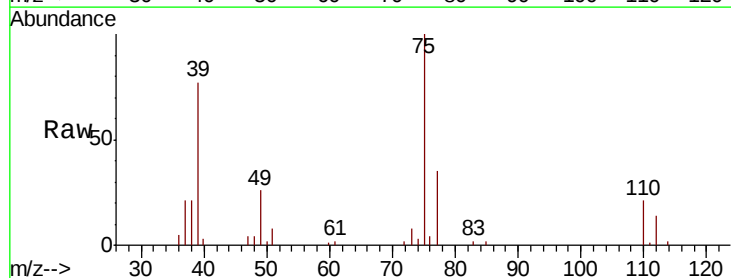
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

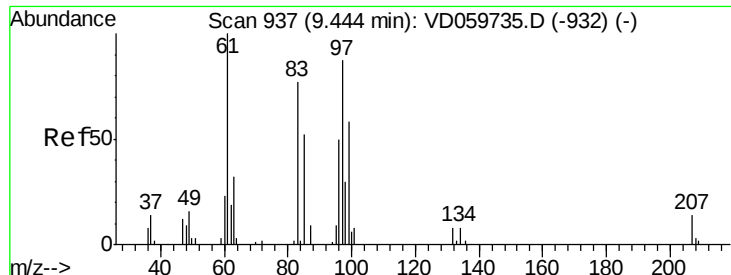
Tot Ion: 75 Resp: 62792
Ion Ratio Lower Upper
75 100
77 33.5 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 18.04 ug/l
RT: 8.36 min Scan# 827
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 75 Resp: 65005
Ion Ratio Lower Upper
75 100
77 35.1 27.2 40.8
39 77.5 73.8 110.8

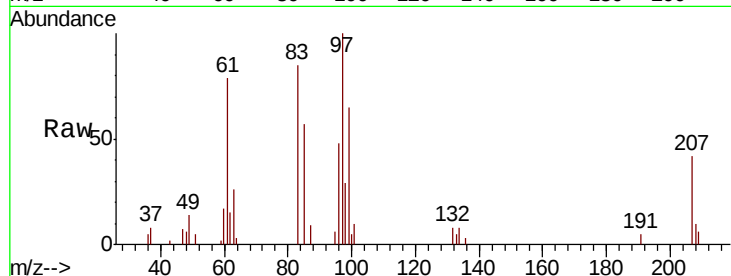




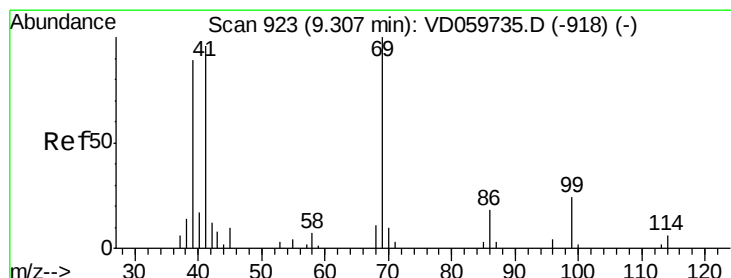
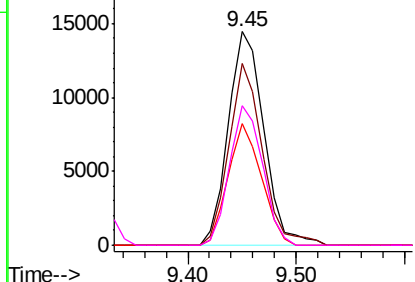
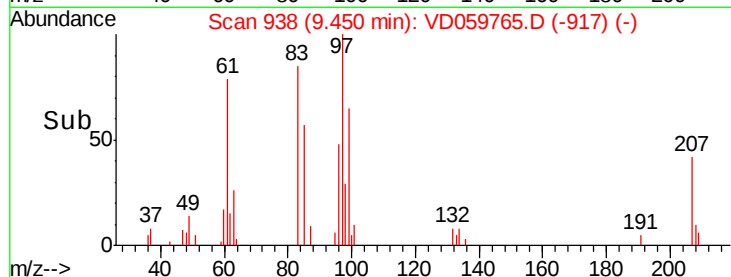
#55
 1,1,2-Trichloroethane
 Concen: 20.01 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion: 97 Resp: 33162
 Ion Ratio Lower Upper
 97 100
 83 85.1 70.4 105.6
 85 56.9 47.6 71.4
 99 65.1 53.1 79.7

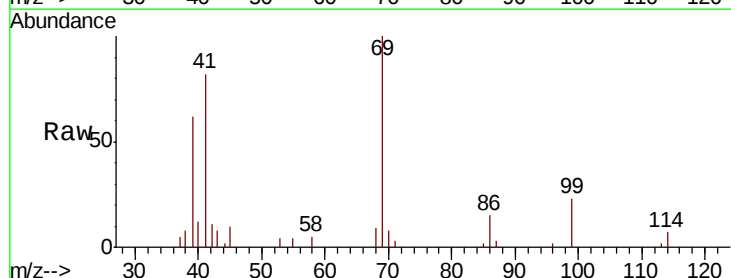


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

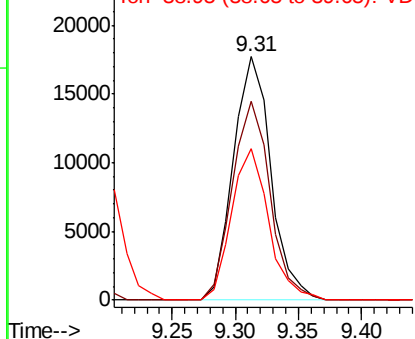
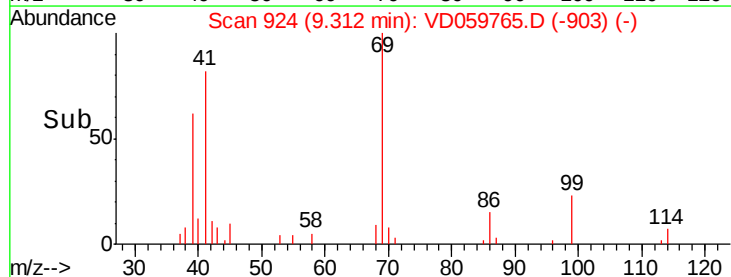


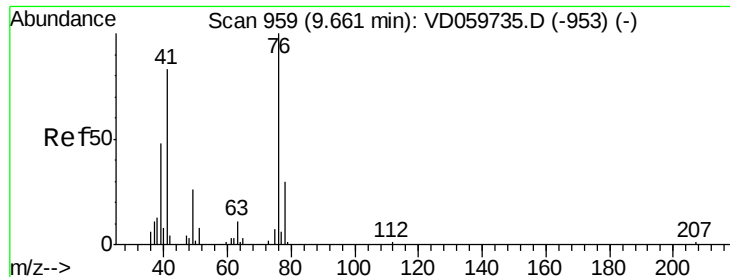
#56
 Ethyl methacrylate
 Concen: 19.35 ug/l
 RT: 9.31 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 69 Resp: 36548
 Ion Ratio Lower Upper
 69 100
 41 81.8 76.7 115.1
 39 62.0 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

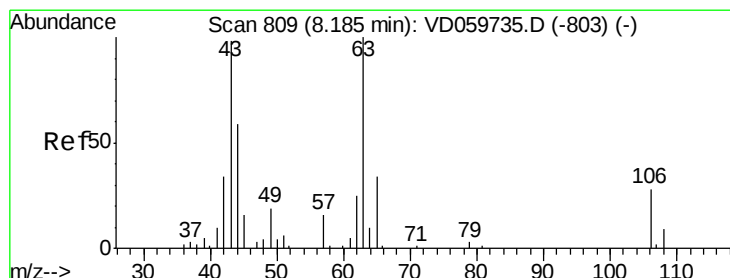
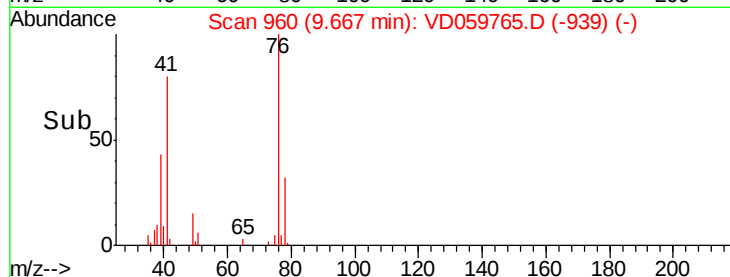
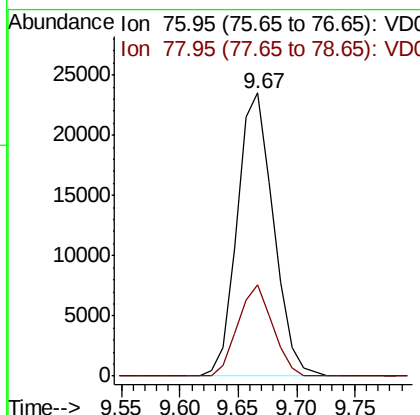
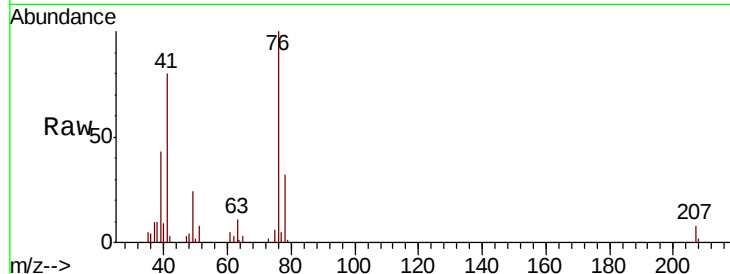




#57
 1,3-Dichloropropane
 Concen: 18.33 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

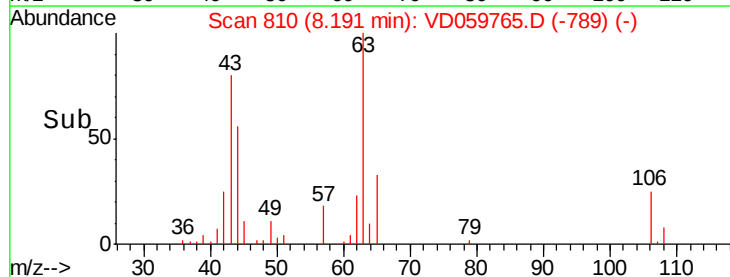
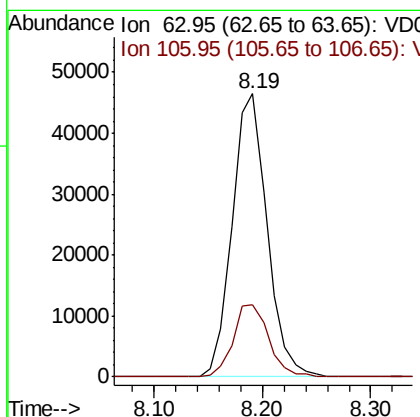
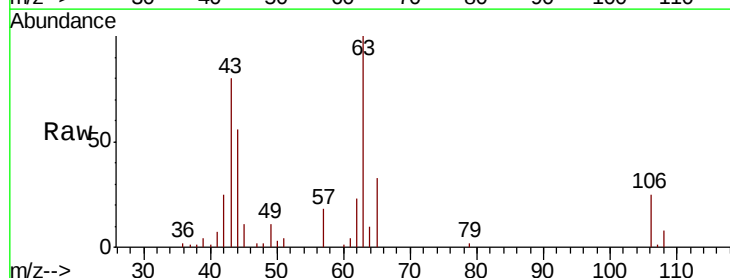
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

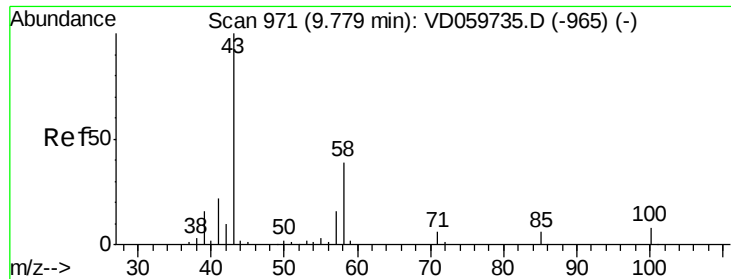
Tot Ion: 76 Resp: 50563
 Ion Ratio Lower Upper
 76 100
 78 32.3 23.8 35.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.46 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 63 Resp: 103600
 Ion Ratio Lower Upper
 63 100
 106 25.3 22.2 33.2

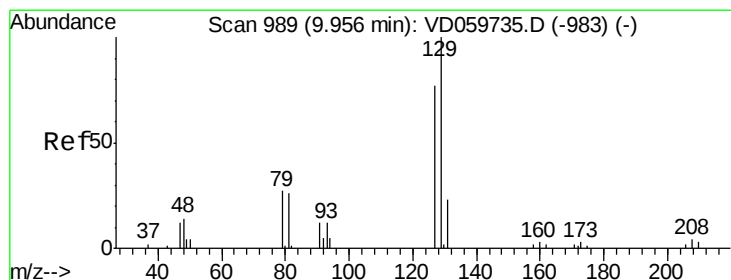
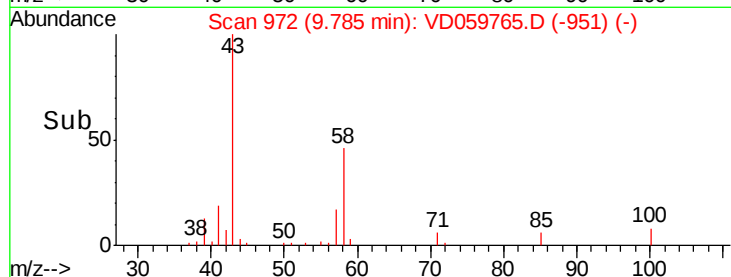
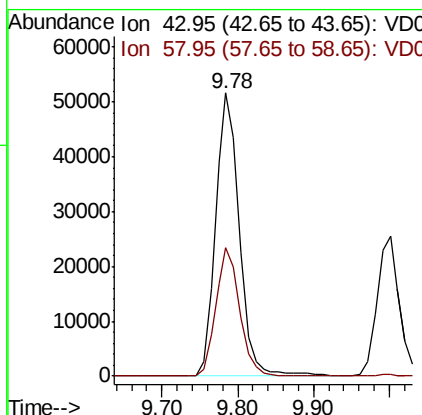
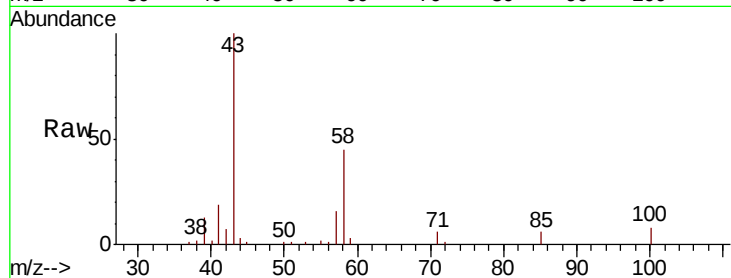




#59
2-Hexanone
Concen: 93.79 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

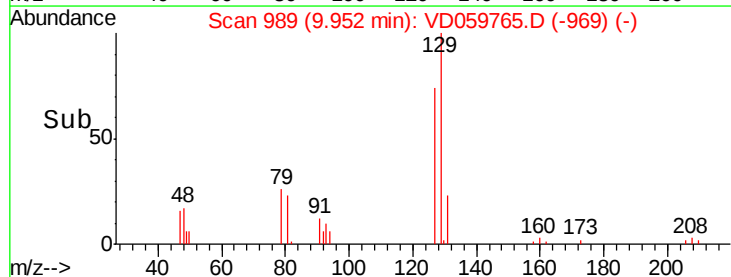
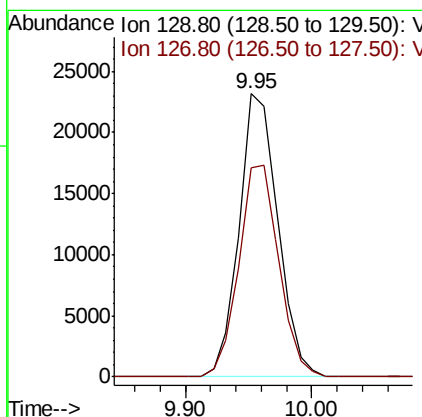
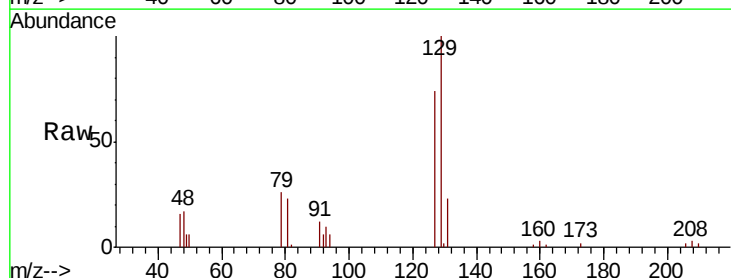
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

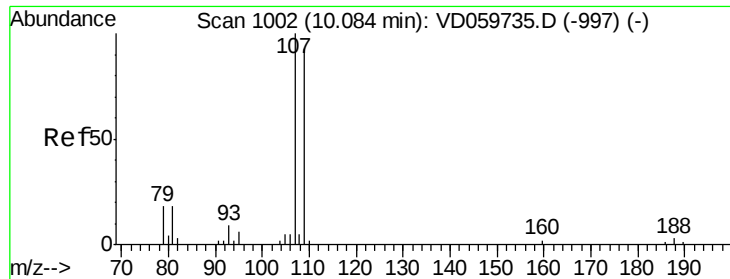
Tot Ion: 43 Resp: 112429
Ion Ratio Lower Upper
43 100
58 45.2 19.8 59.3



#60
Dibromochloromethane
Concen: 15.41 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion:129 Resp: 49278
Ion Ratio Lower Upper
129 100
127 73.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.61 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

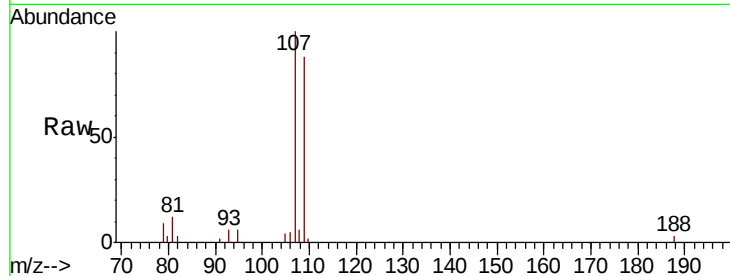
VD0814SBS01

Tot Ion:107 Resp: 38575

Ion Ratio Lower Upper

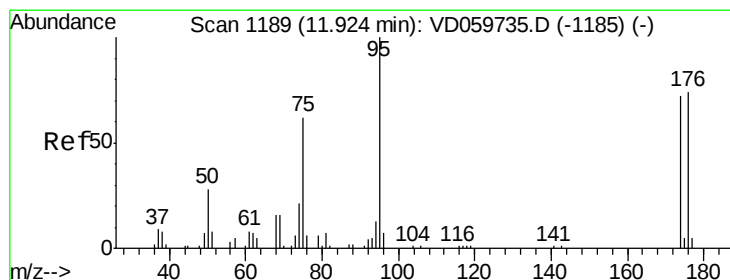
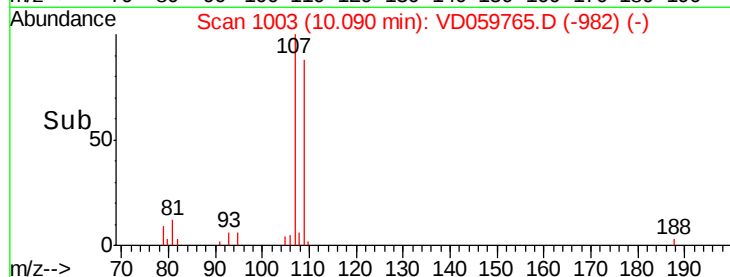
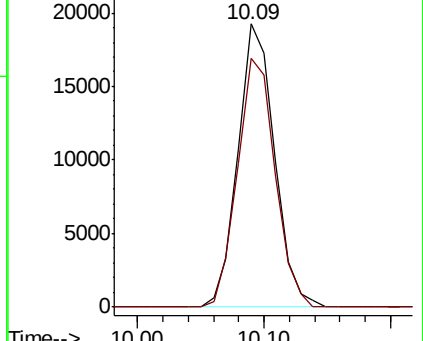
107 100

109 87.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 18.61 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

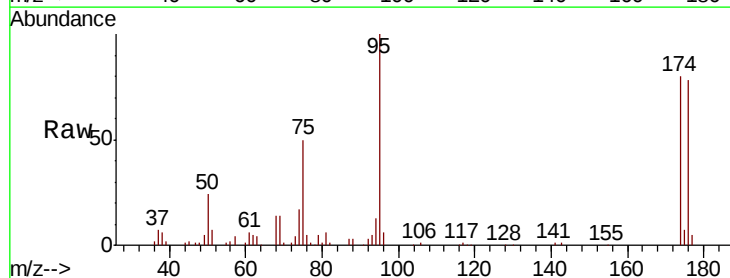
Tgt Ion: 95 Resp: 150003

Ion Ratio Lower Upper

95 100

174 79.6 0.0 143.2

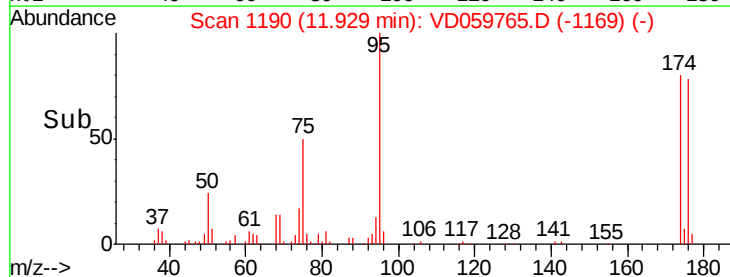
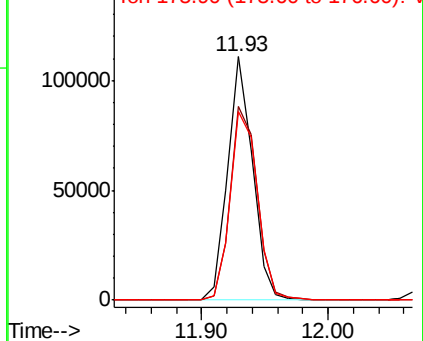
176 77.6 0.0 147.2

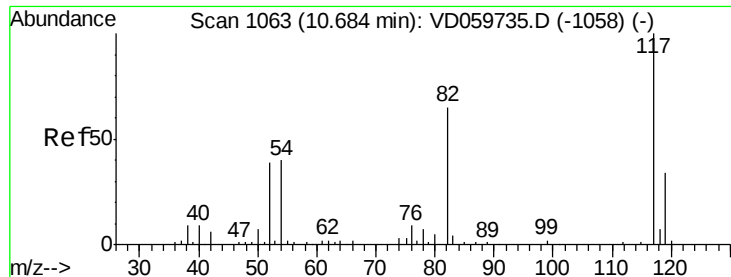


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

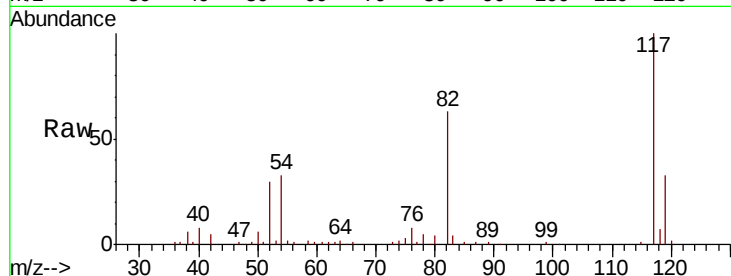
Tot Ion:117 Resp: 252517

Ion Ratio Lower Upper

117 100

82 62.6 51.9 77.9

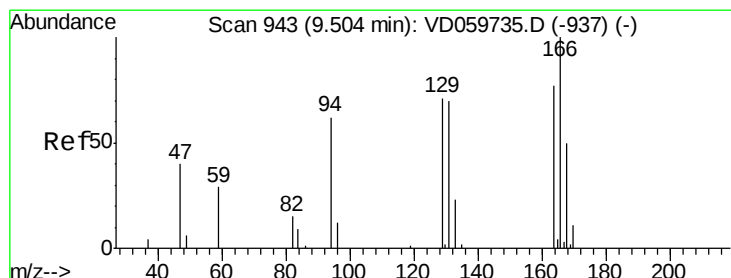
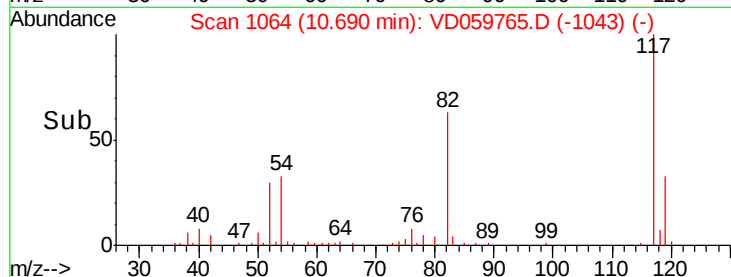
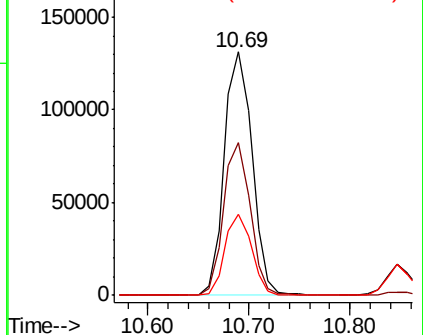
119 33.3 27.4 41.0



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: 18.06 ug/l

RT: 9.51 min Scan# 944

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Tgt Ion:164 Resp: 44757

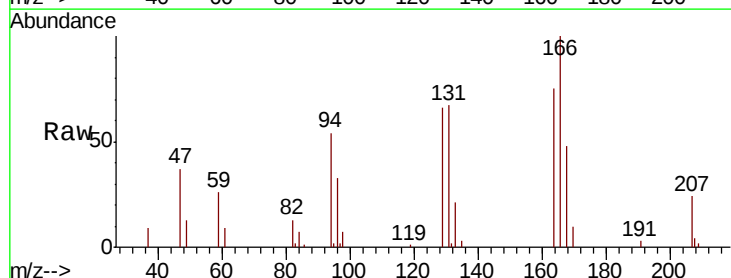
Ion Ratio Lower Upper

164 100

166 133.0 103.5 155.3

129 87.6 73.5 110.3

131 89.5 72.3 108.5

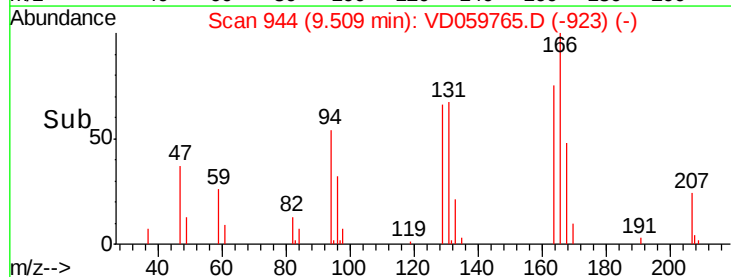
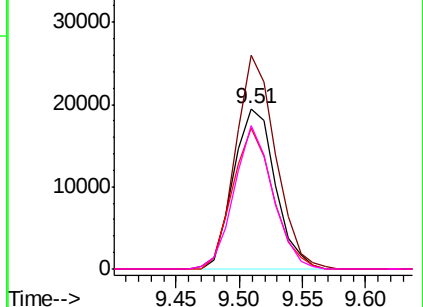


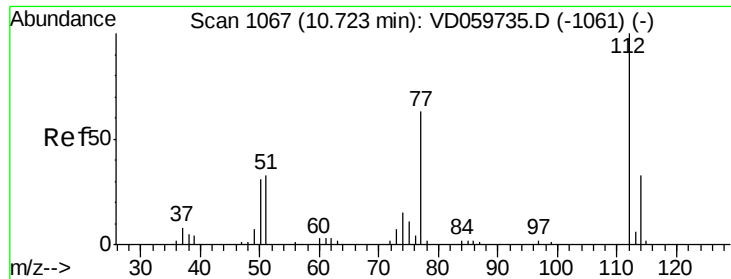
Abundance Ion 163.85 (163.55 to 164.55): V

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

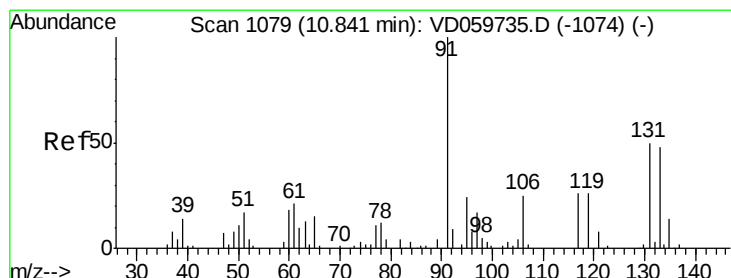
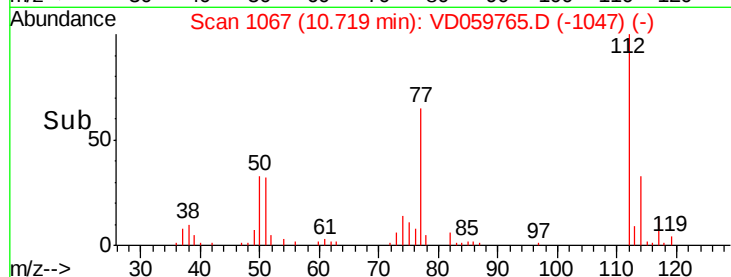
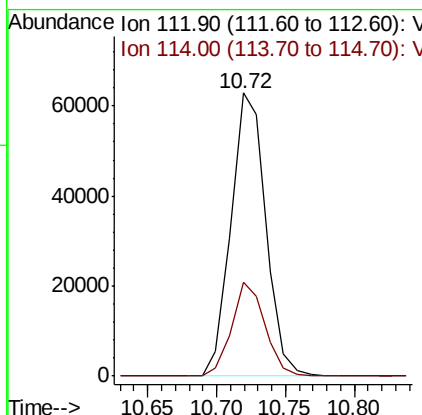
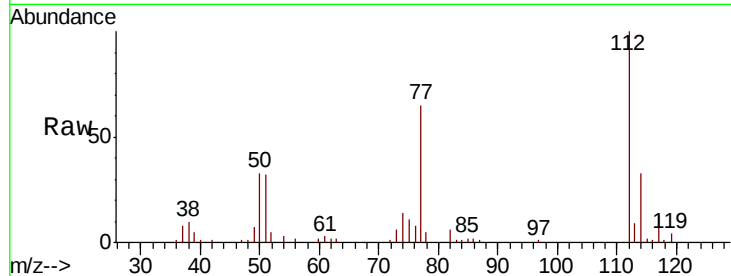




#65
Chlorobenzene
Concen: 21.40 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

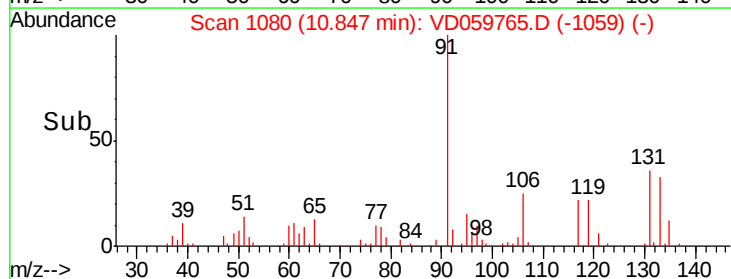
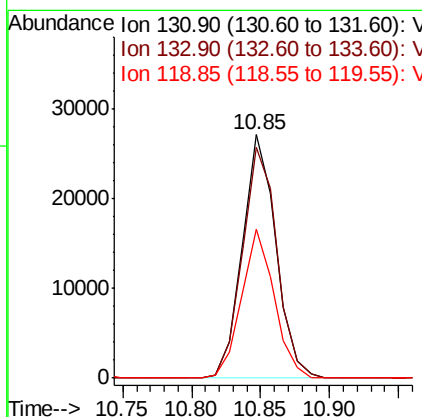
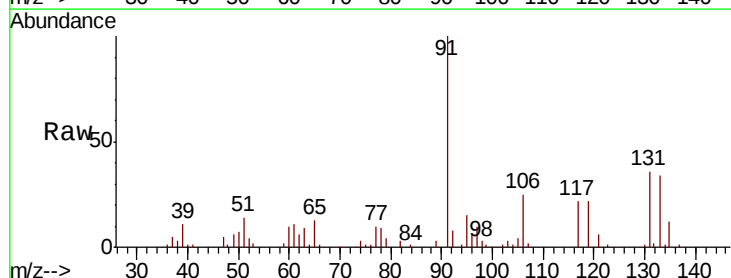
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

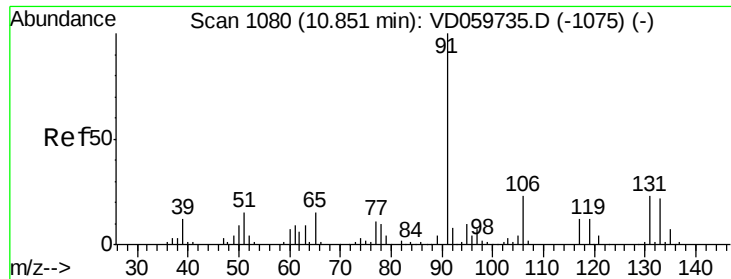
Tot Ion:112 Resp: 110286
Ion Ratio Lower Upper
112 100
114 33.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.66 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion:131 Resp: 46093
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.3
119 60.9 26.2 78.5

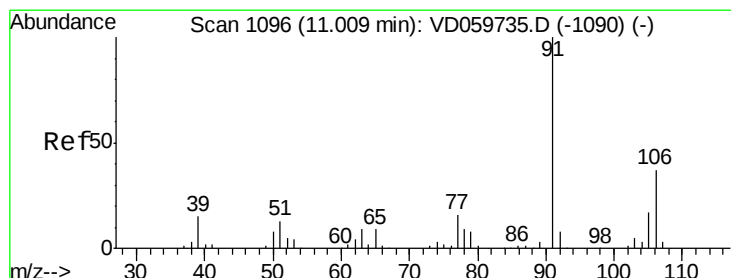
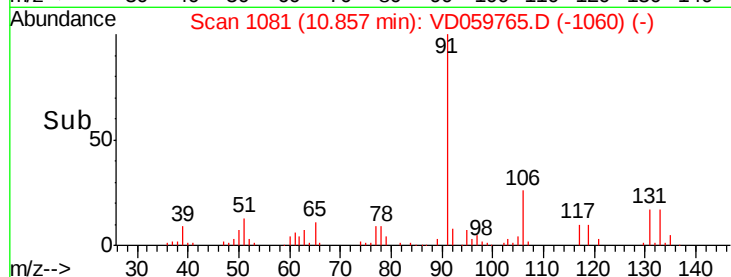
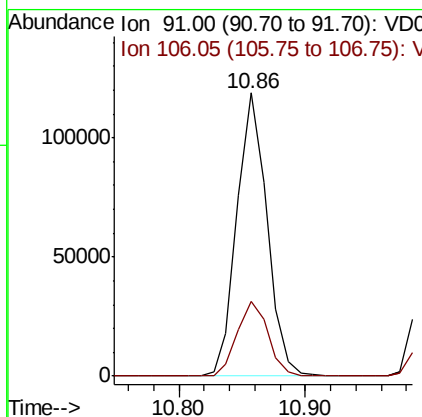
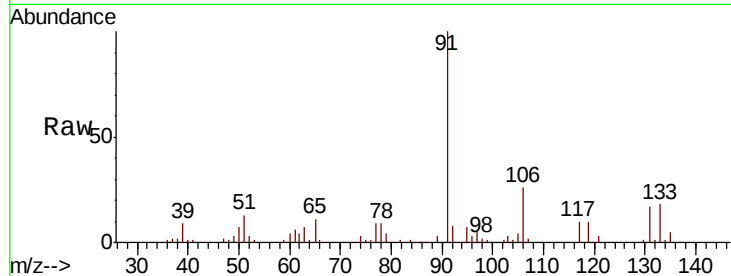




#67
Ethyl Benzene
Concen: 20.31 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

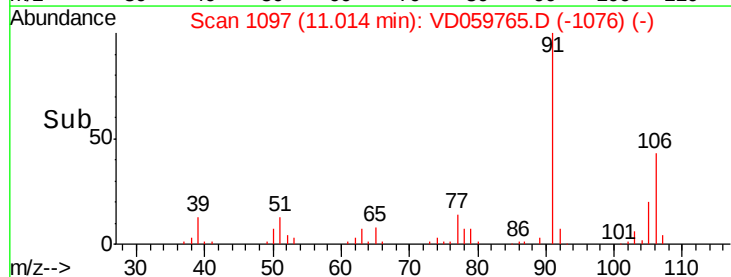
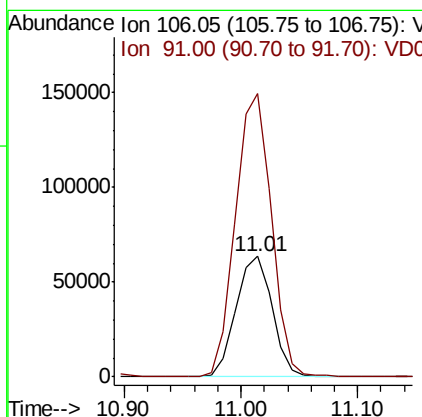
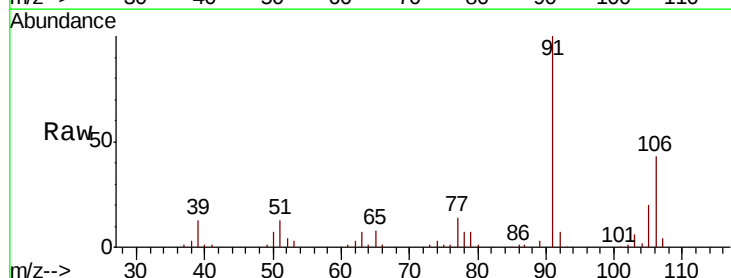
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

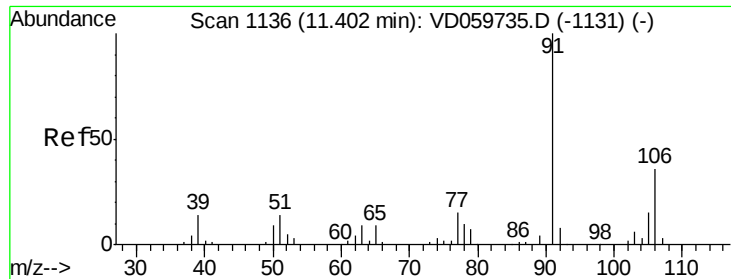
Tot Ion: 91 Resp: 196075
Ion Ratio Lower Upper
91 100
106 26.3 18.8 28.2



#68
m/p-Xylenes
Concen: 44.09 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion:106 Resp: 136478
Ion Ratio Lower Upper
106 100
91 235.0 213.8 320.8

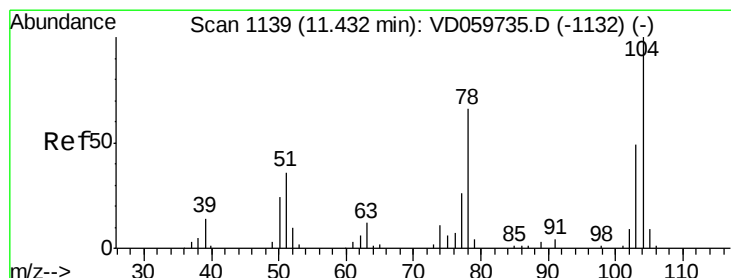
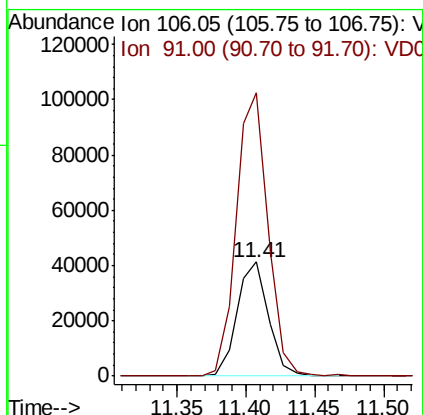
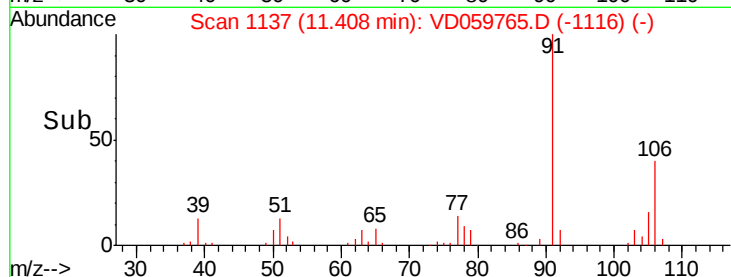
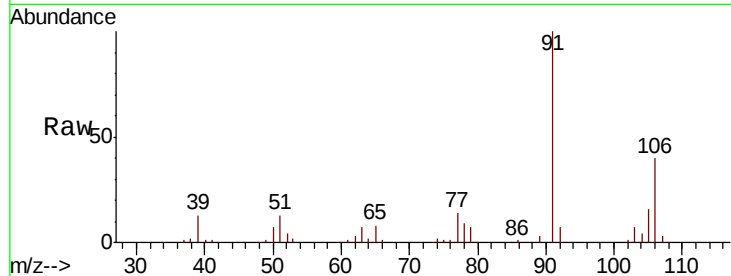




#69
o-Xylene
Concen: 21.76 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

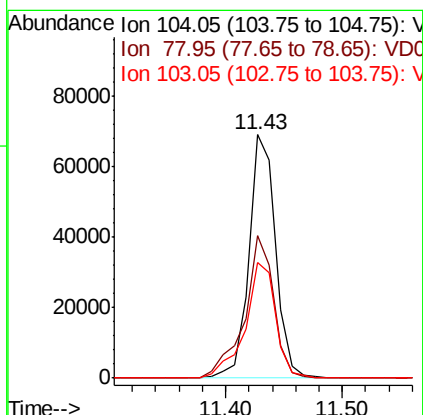
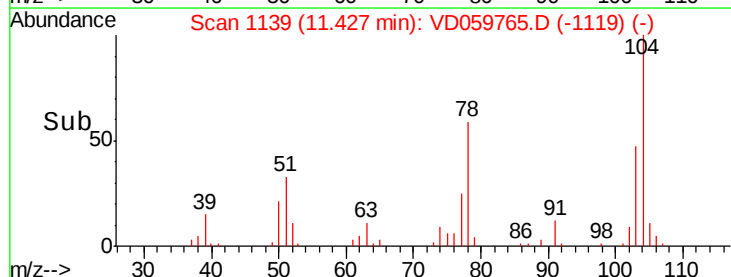
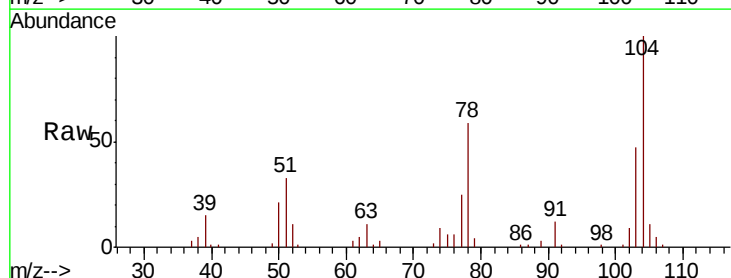
Instrument :
MSVOA_D
ClientSampleID :
VD0814SBS01

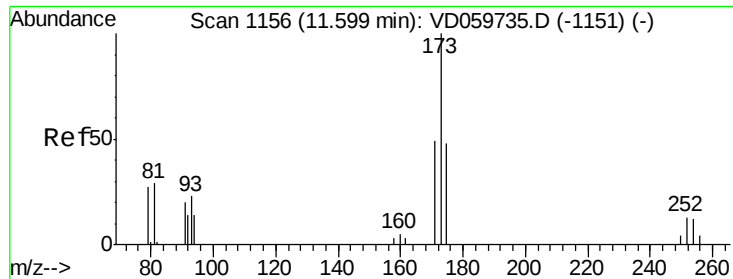
Tot Ion:106 Resp: 65503
Ion Ratio Lower Upper
106 100
91 247.8 139.8 419.4



#70
Styrene
Concen: 22.08 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion:104 Resp: 108868
Ion Ratio Lower Upper
104 100
78 58.6 52.8 79.2
103 47.2 39.1 58.7





#71

Bromoform

Concen: 17.23 ug/l

RT: 11.60 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

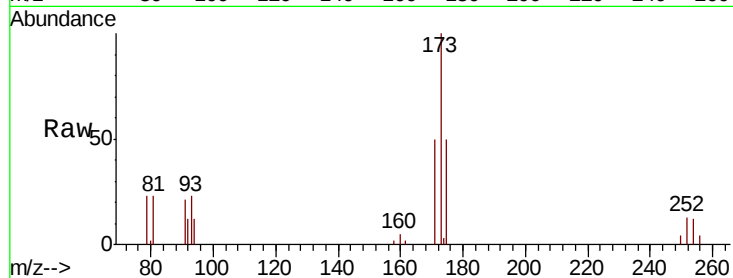
Tot Ion:173 Resp: 34026

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.2

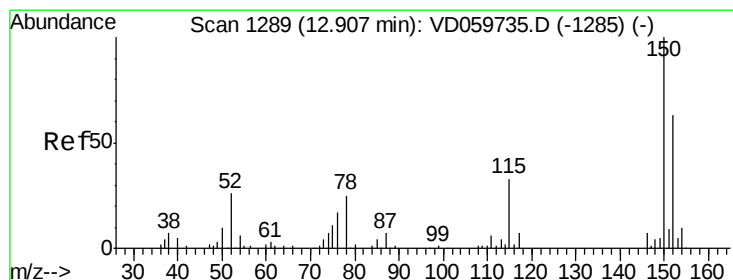
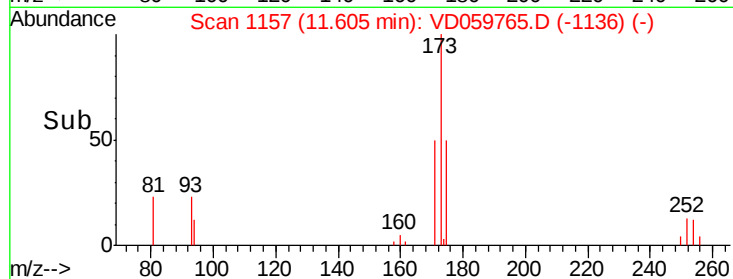
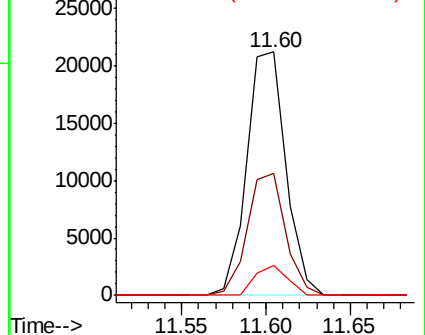
254 12.1 9.3 13.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

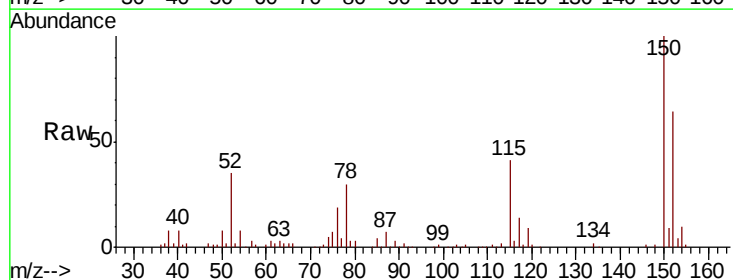
Tgt Ion:152 Resp: 148657

Ion Ratio Lower Upper

152 100

115 64.1 29.8 89.3

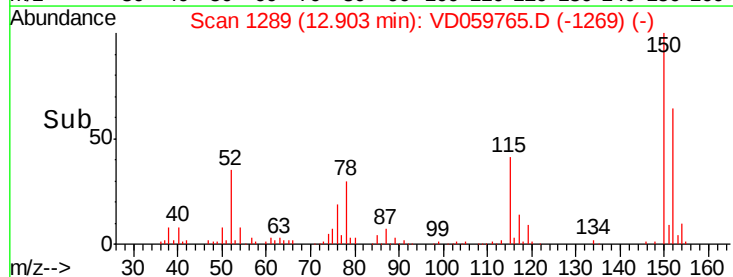
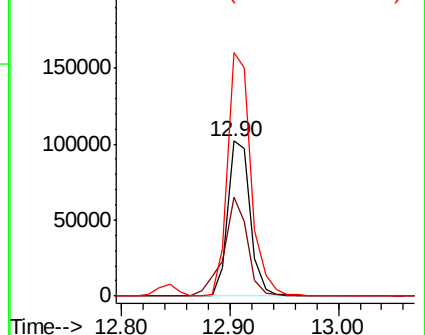
150 157.2 0.0 320.4

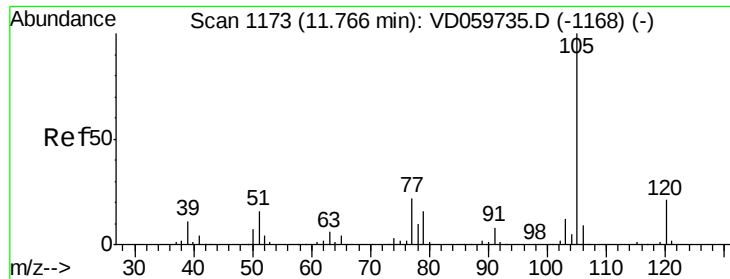


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.78 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

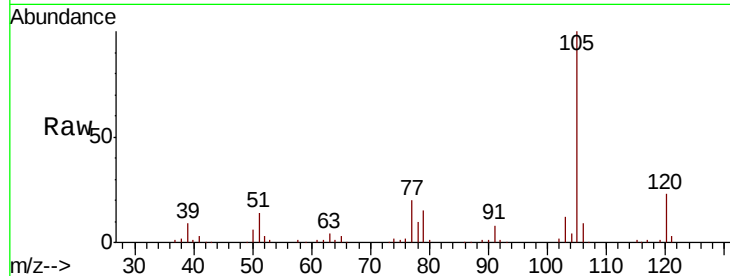
VD0814SBS01

Tot Ion:105 Resp: 189714

Ion Ratio Lower Upper

105 100

120 22.8 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

150000

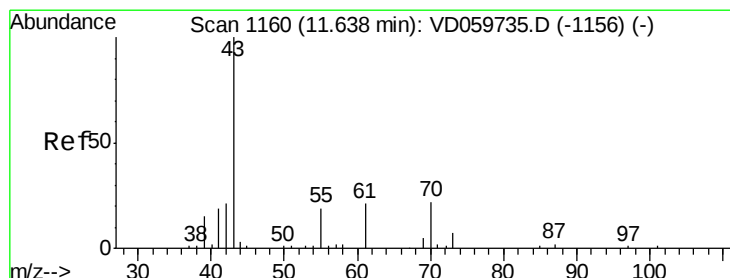
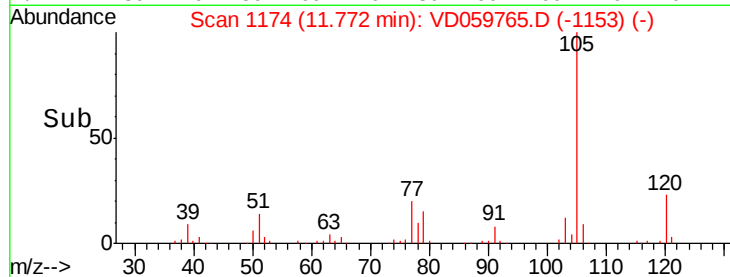
100000

50000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.60 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Tgt Ion: 43 Resp: 59637

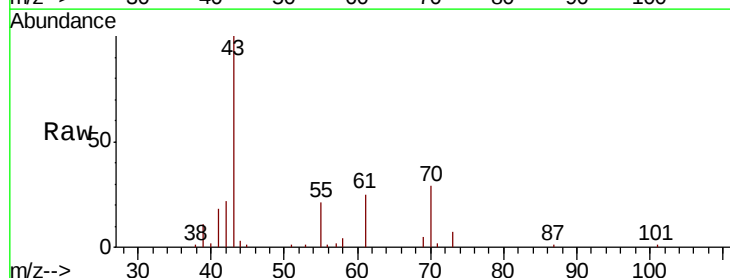
Ion Ratio Lower Upper

43 100

70 29.2 18.0 27.0#

55 20.6 14.8 22.2

61 24.5 17.1 25.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

60000

50000

40000

30000

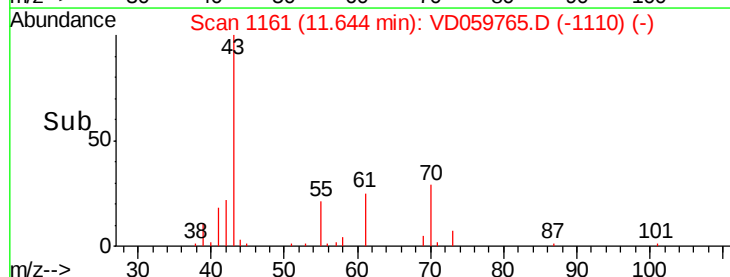
20000

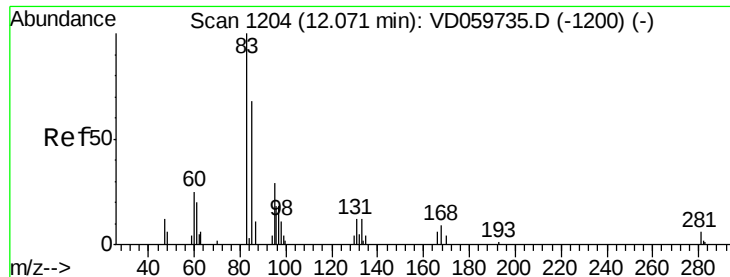
10000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 22.01 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

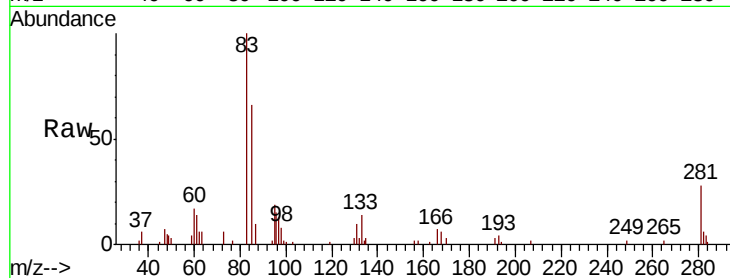
Tot Ion: 83 Resp: 40556

Ion Ratio Lower Upper

83 100

131 10.2 6.3 19.1

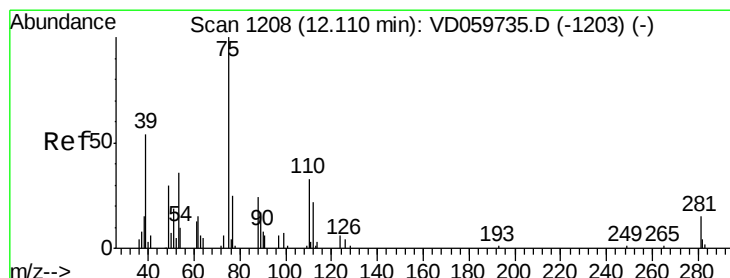
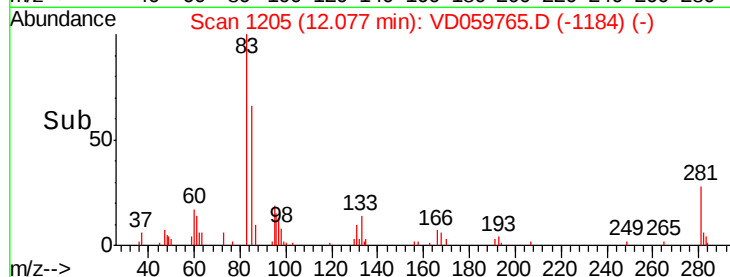
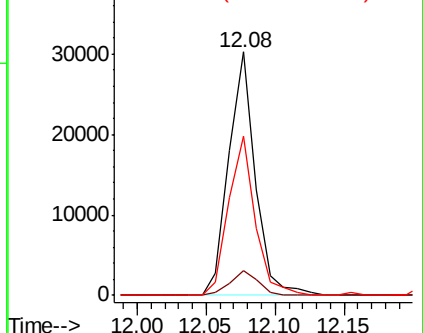
85 65.6 34.2 102.5



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: 20.35 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059765.D

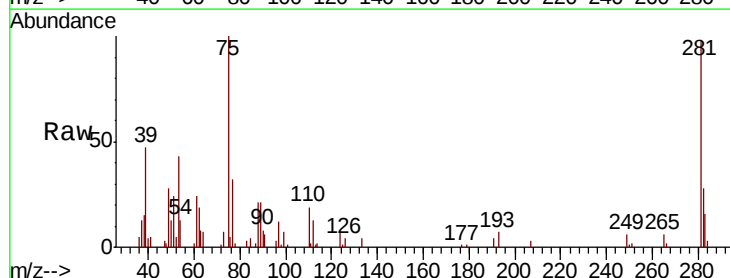
Acq: 14 Aug 2018 14:28

Tgt Ion: 75 Resp: 44745

Ion Ratio Lower Upper

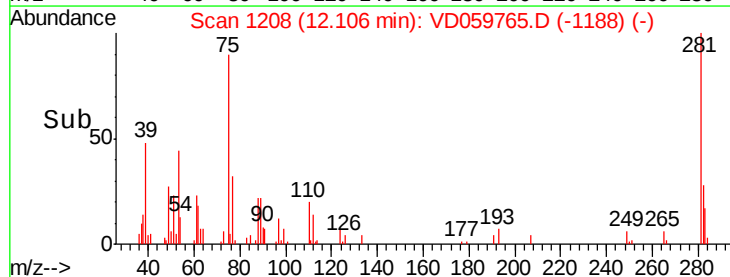
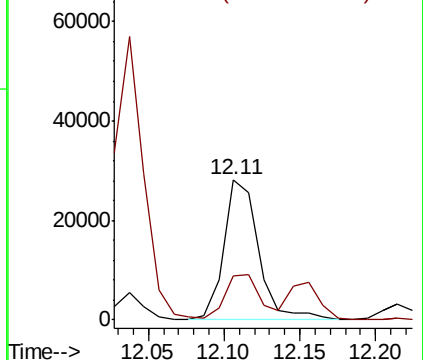
75 100

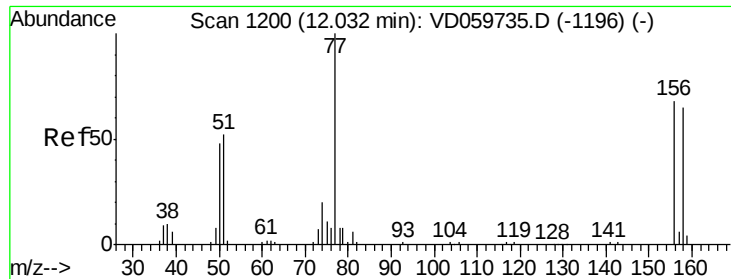
77 31.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.69 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

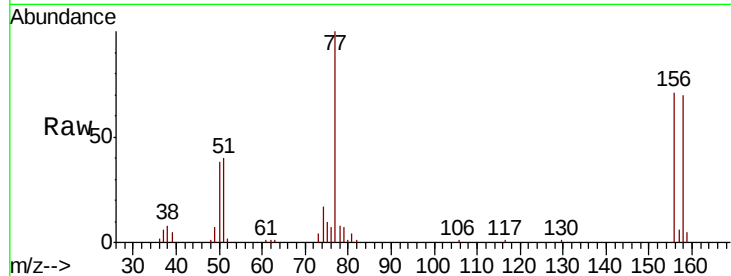
Tot Ion:156 Resp: 58090

Ion Ratio Lower Upper

156 100

77 140.5 73.3 219.8

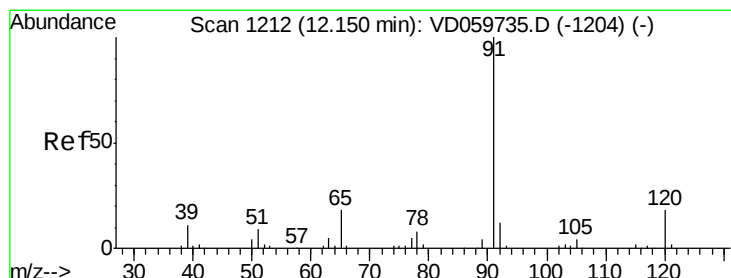
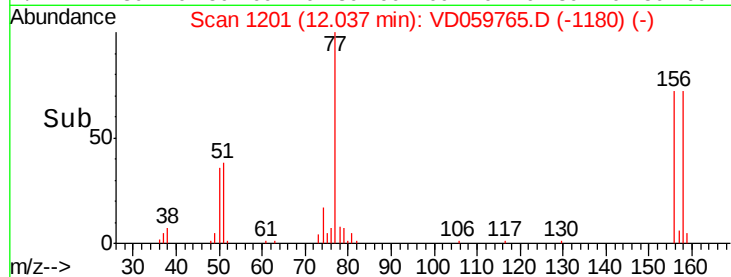
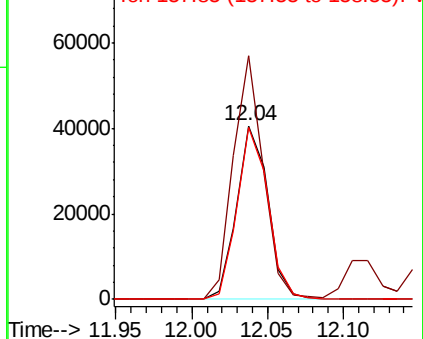
158 99.0 47.5 142.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.01 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059765.D

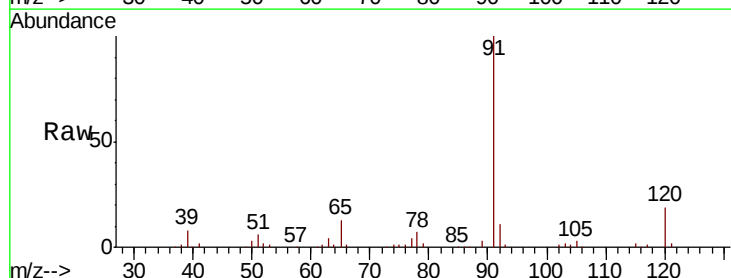
Acq: 14 Aug 2018 14:28

Tgt Ion: 91 Resp: 257800

Ion Ratio Lower Upper

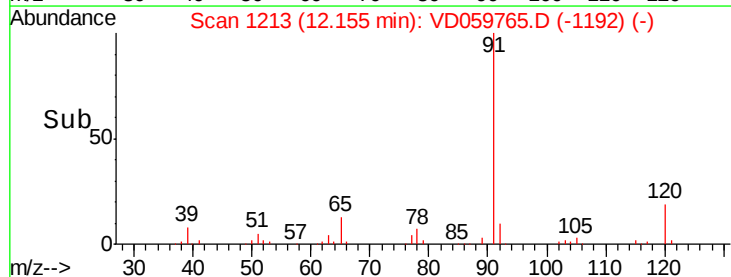
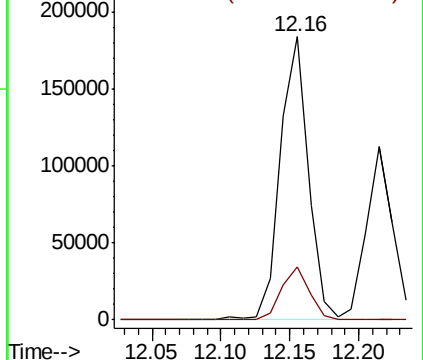
91 100

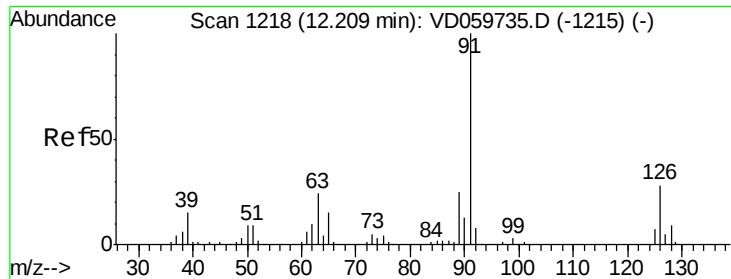
120 18.7 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

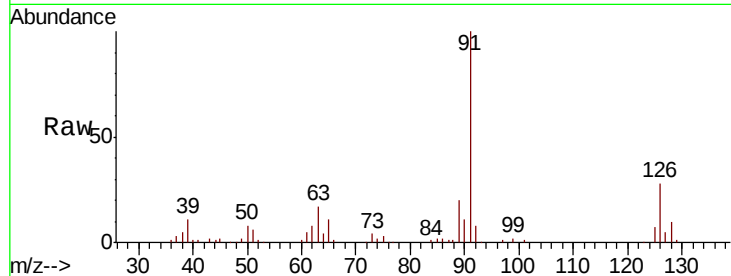




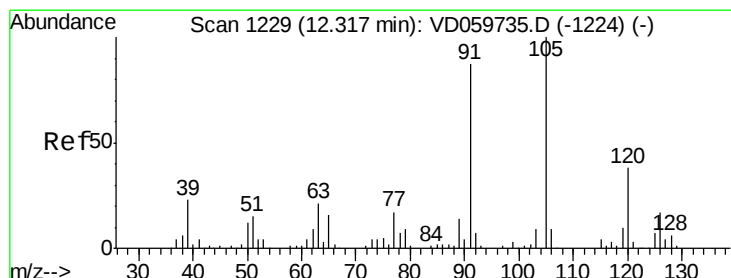
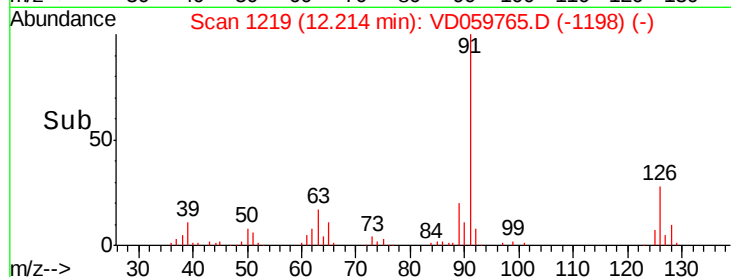
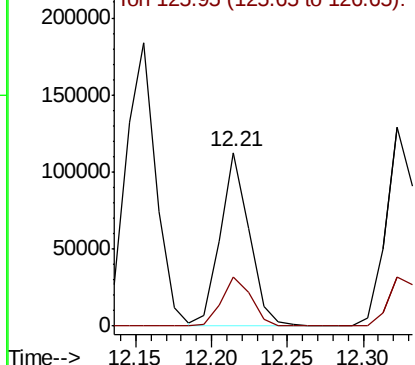
#79
 2-Chlorotoluene
 Concen: 19.21 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion: 91 Resp: 149266
 Ion Ratio Lower Upper
 91 100
 126 28.3 13.3 39.9

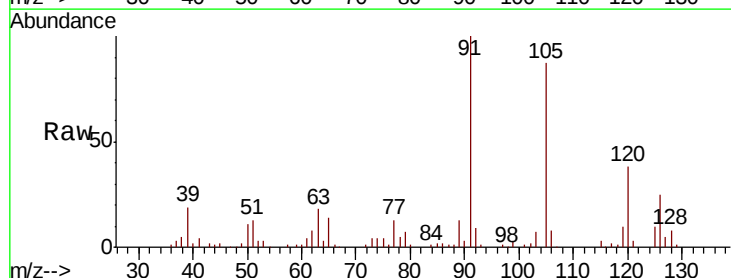


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

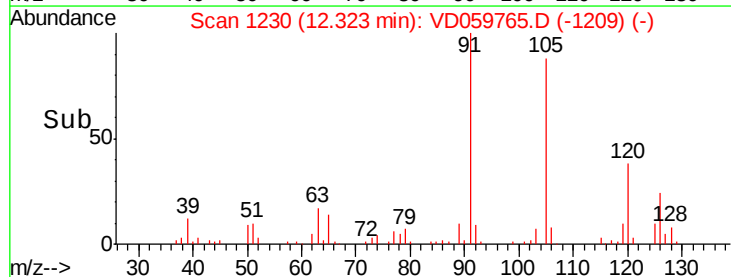
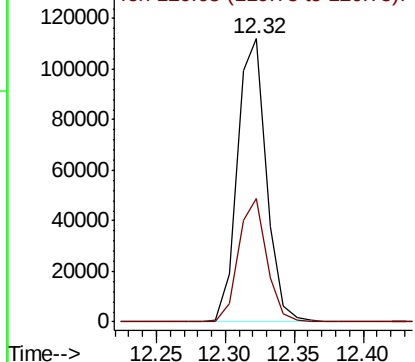


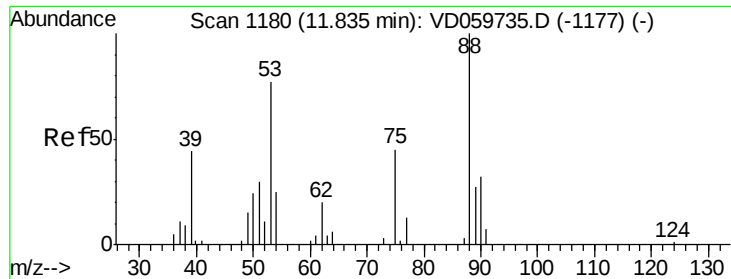
#80
 1,3,5-Trimethylbenzene
 Concen: 18.69 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:105 Resp: 163556
 Ion Ratio Lower Upper
 105 100
 120 43.6 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.20 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

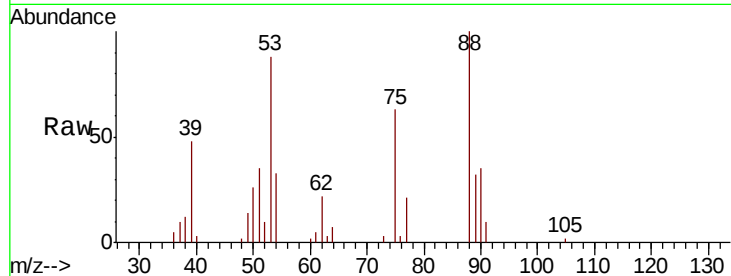
Tot Ion: 75 Resp: 10996

Ion Ratio Lower Upper

75 100

53 140.6 137.5 206.3

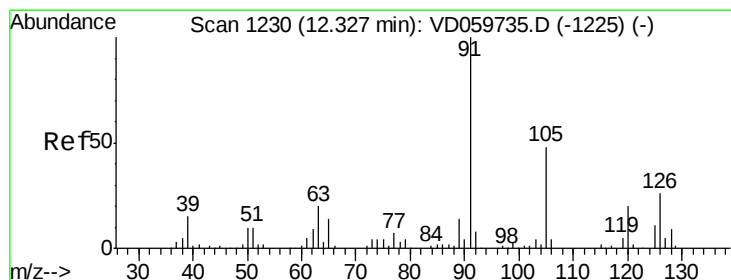
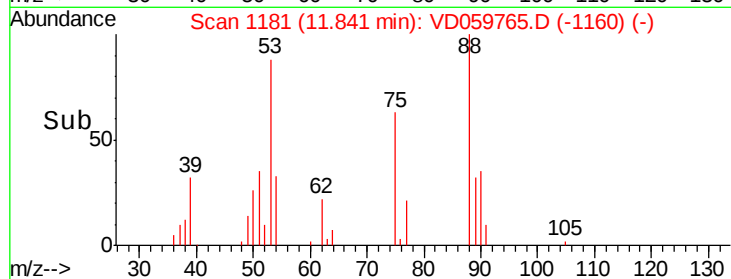
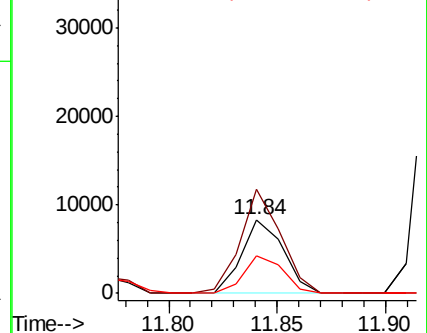
89 51.4 48.3 72.5



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: 19.55 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059765.D

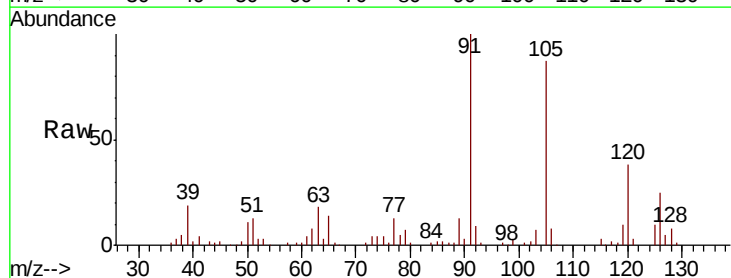
Acq: 14 Aug 2018 14:28

Tgt Ion: 91 Resp: 179078

Ion Ratio Lower Upper

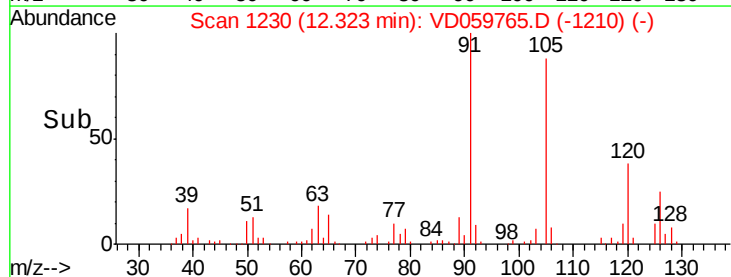
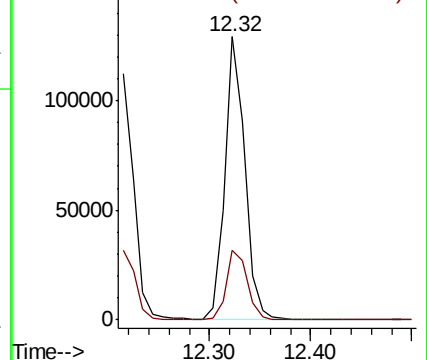
91 100

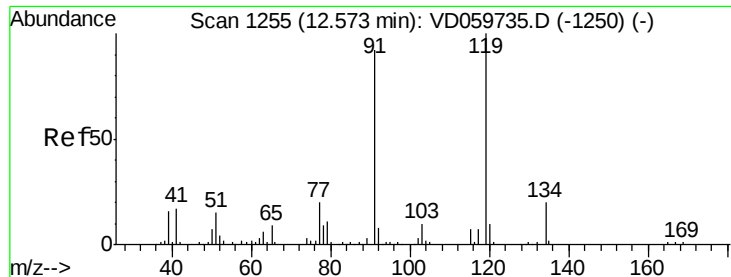
126 24.7 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 18.87 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD059765.D

Acq: 14 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

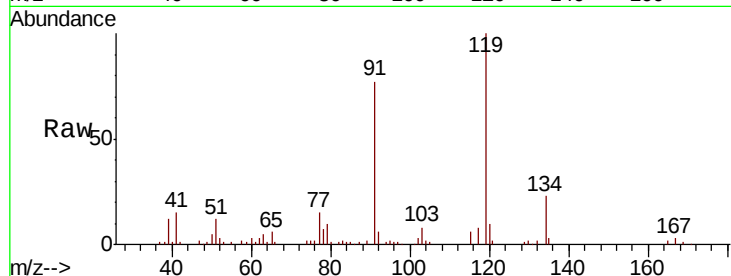
Tot Ion:119 Resp: 179568

Ion Ratio Lower Upper

119 100

91 76.9 46.1 138.2

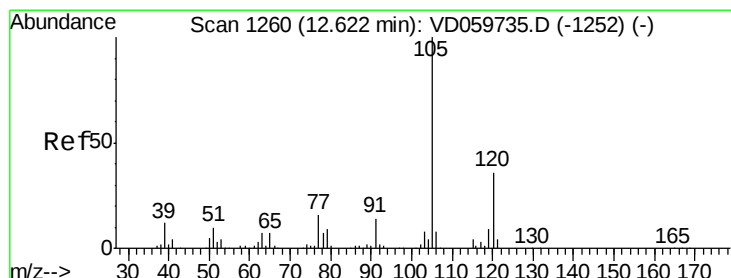
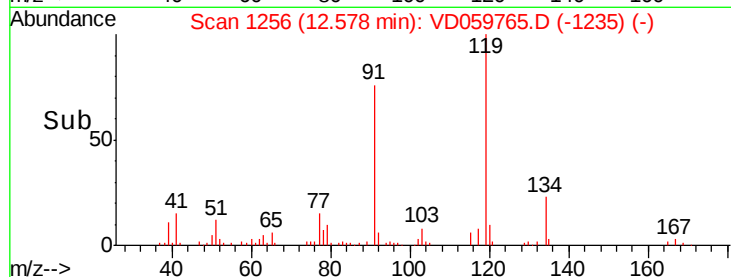
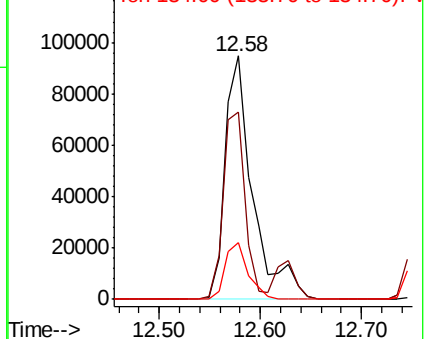
134 23.2 9.9 29.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.62 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD059765.D

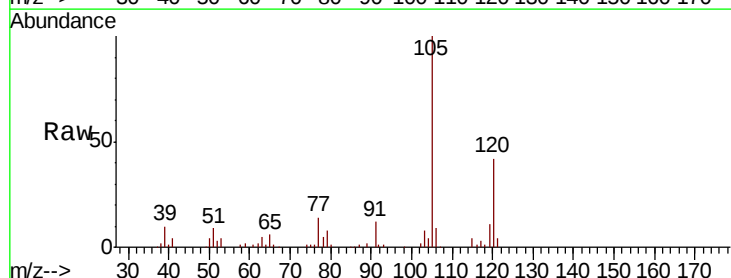
Acq: 14 Aug 2018 14:28

Tgt Ion:105 Resp: 168110

Ion Ratio Lower Upper

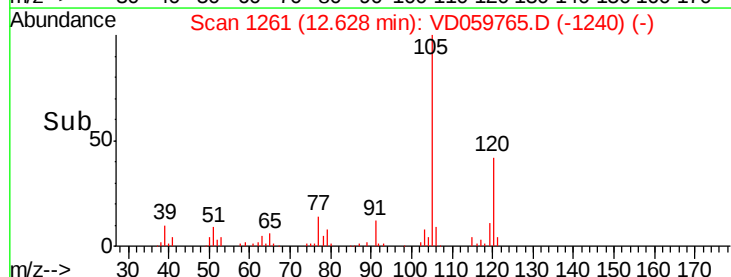
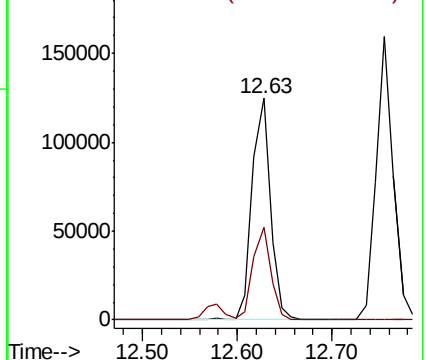
105 100

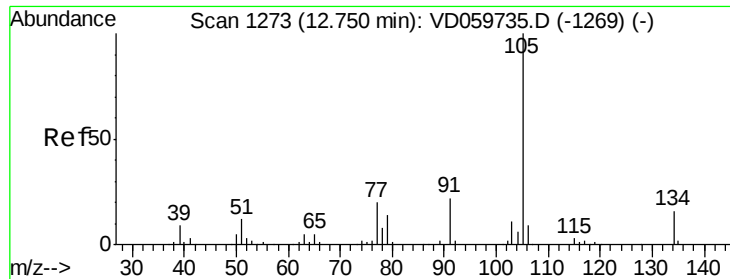
120 41.5 17.9 53.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

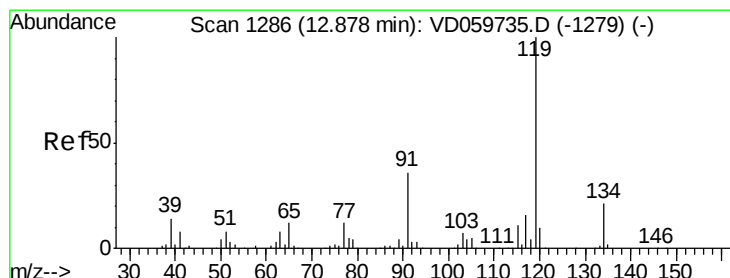
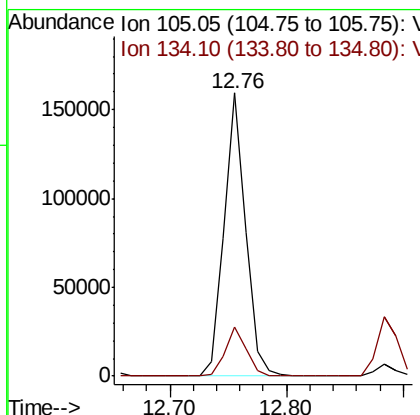
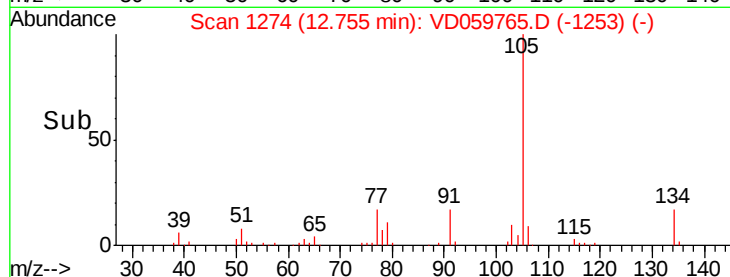
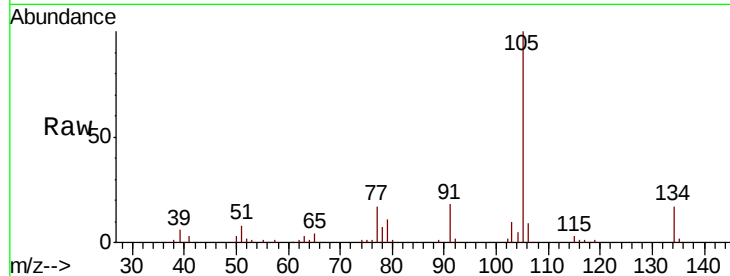




#85
 sec-Butylbenzene
 Concen: 20.19 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

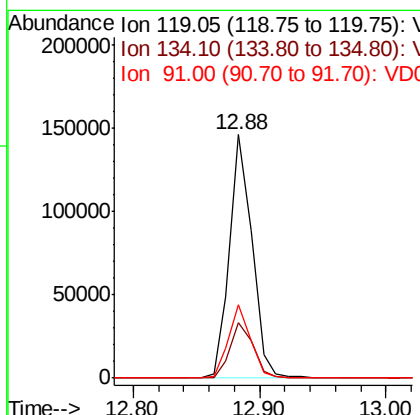
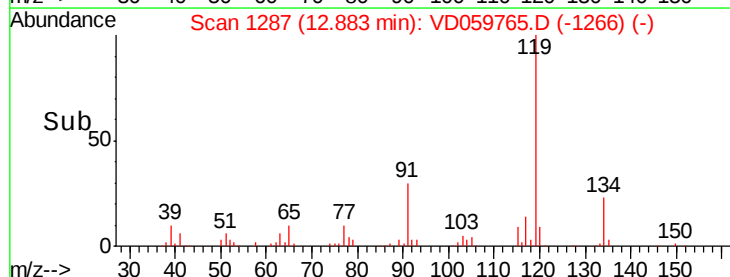
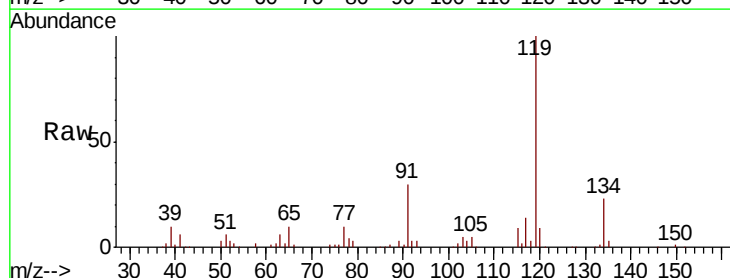
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

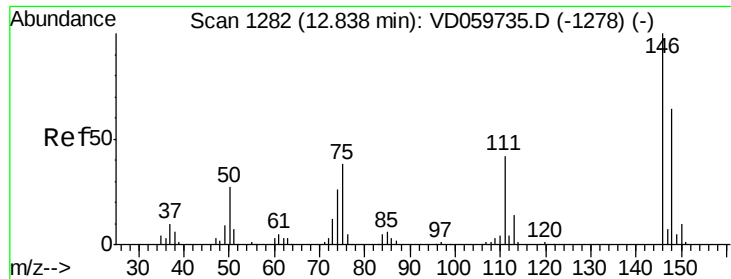
Tot Ion:105 Resp: 204259
 Ion Ratio Lower Upper
 105 100
 134 17.4 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 19.81 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:119 Resp: 180632
 Ion Ratio Lower Upper
 119 100
 134 23.0 10.5 31.6
 91 29.9 17.9 53.7

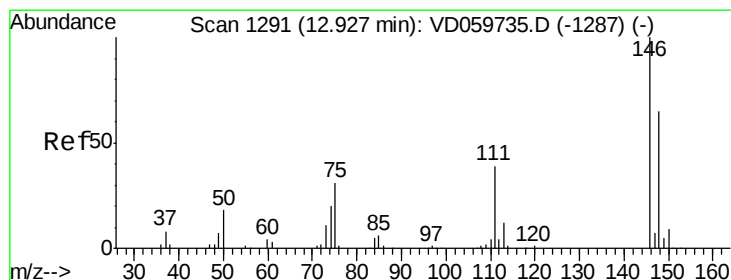
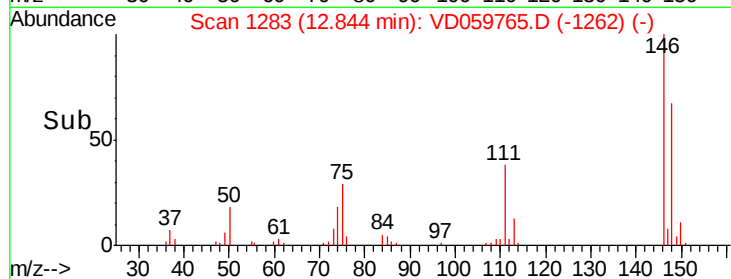
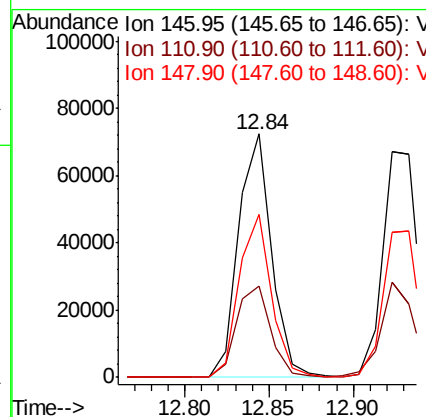
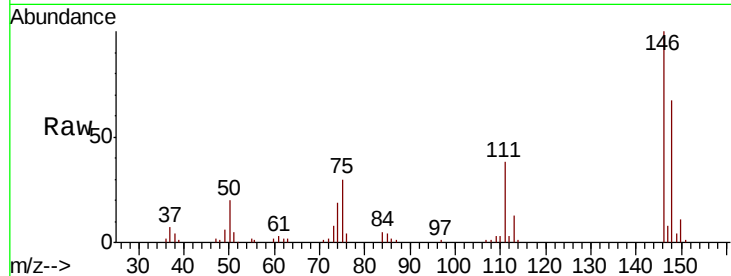




#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

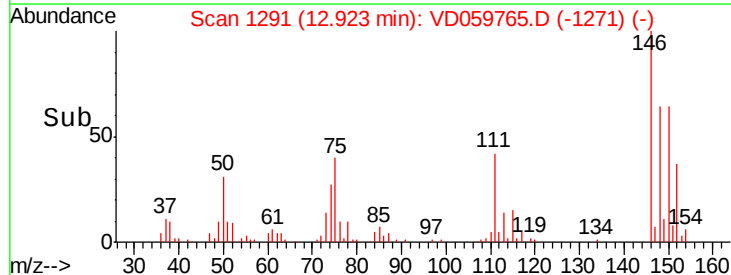
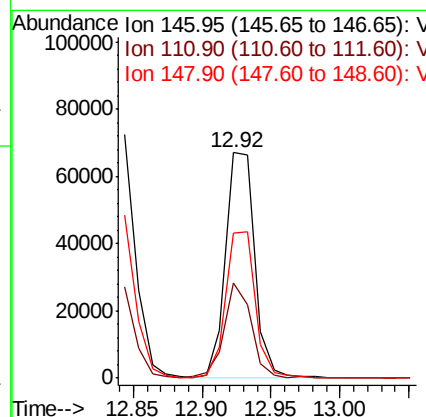
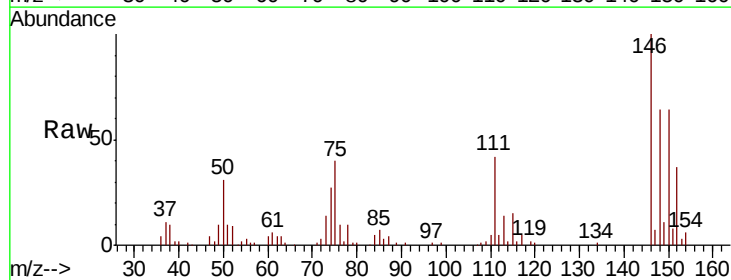
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

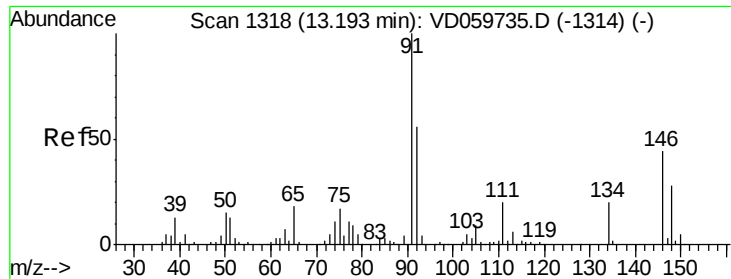
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	21.1	63.3
148	66.8	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.7	59.0
148	64.5	32.4	97.2

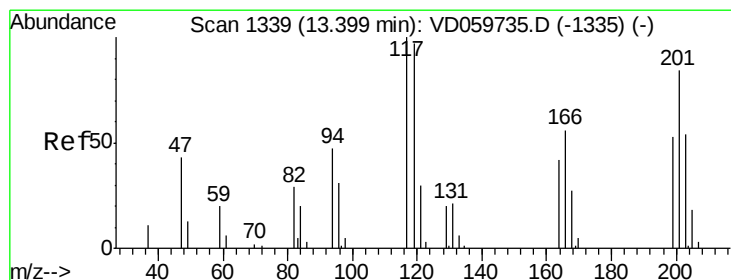
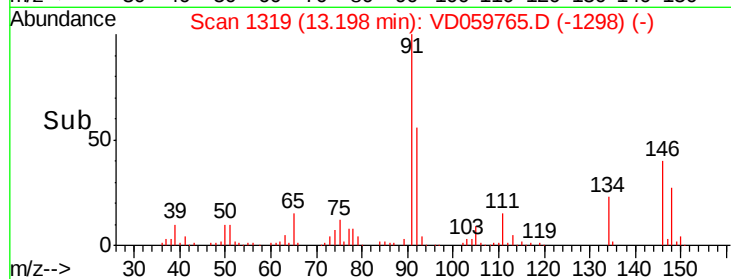
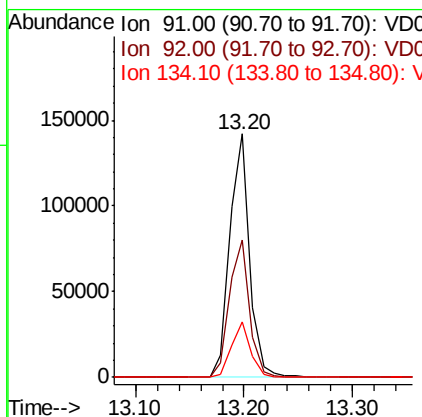
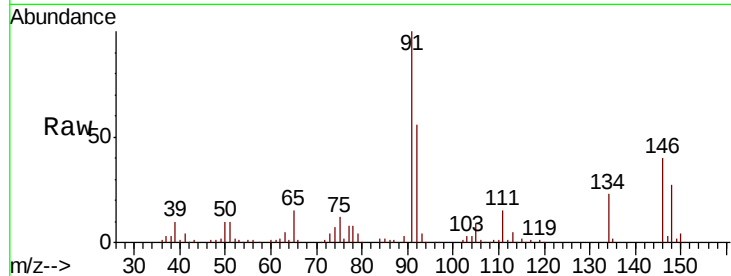




#89
n-Butylbenzene
Concen: 20.14 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

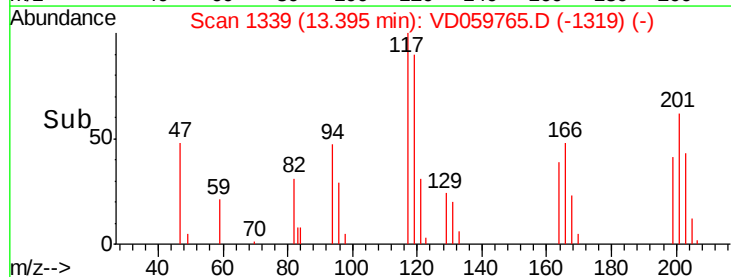
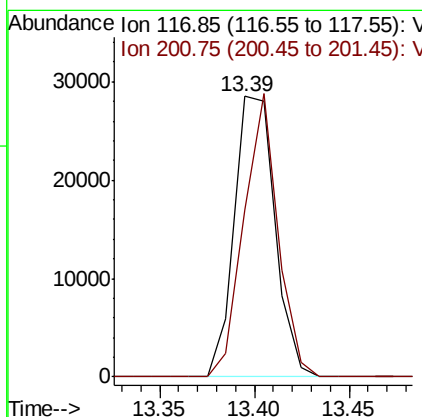
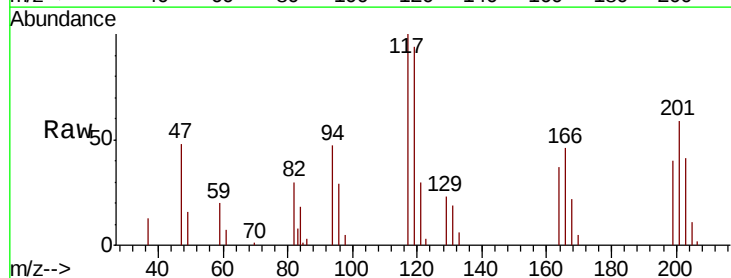
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

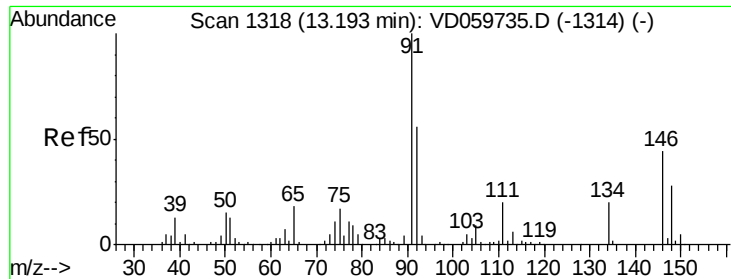
Tot Ion: 91 Resp: 181489
Ion Ratio Lower Upper
91 100
92 56.3 28.1 84.4
134 22.8 10.3 30.8



#90
Hexachloroethane
Concen: 17.87 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion: 117 Resp: 42275
Ion Ratio Lower Upper
117 100
201 59.3 41.9 125.7

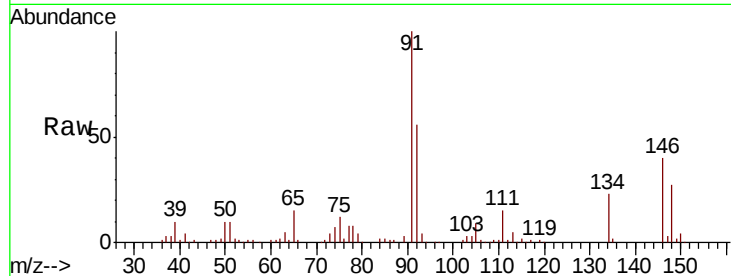




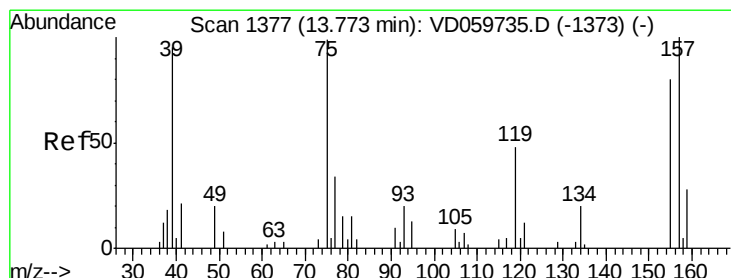
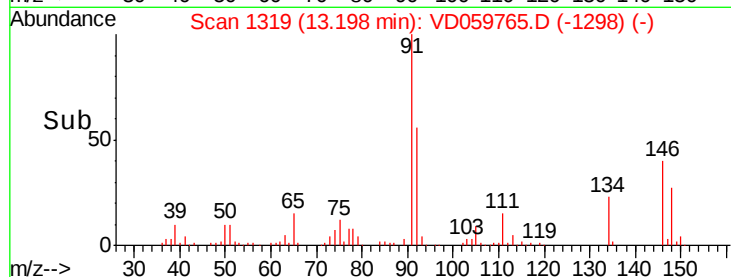
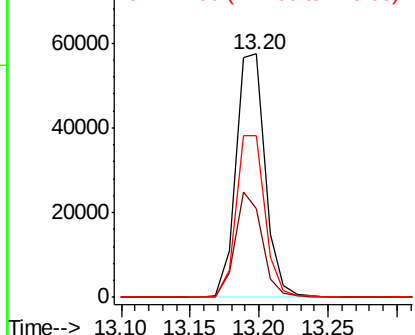
#91
 1,2-Dichlorobenzene
 Concen: 20.08 ug/l
 RT: 13.20 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion:146 Resp: 85210
 Ion Ratio Lower Upper
 146 100
 111 36.6 22.9 68.5
 148 66.4 31.8 95.4

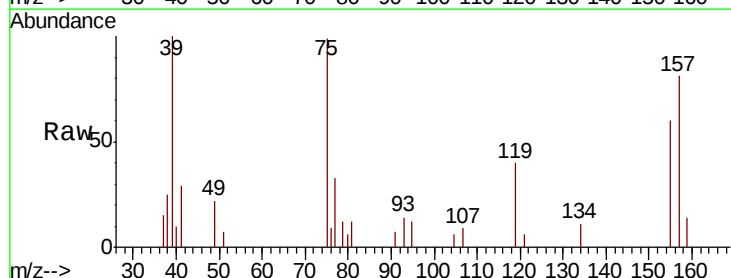


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

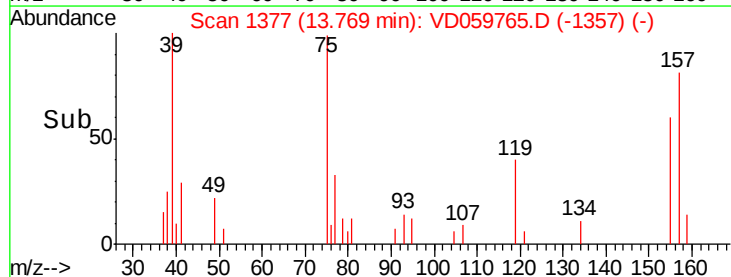
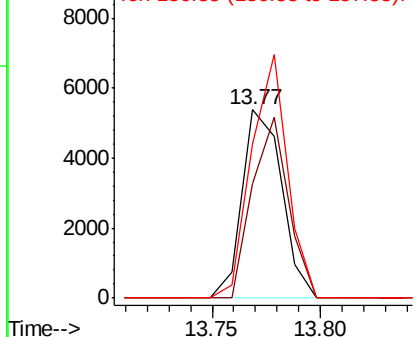


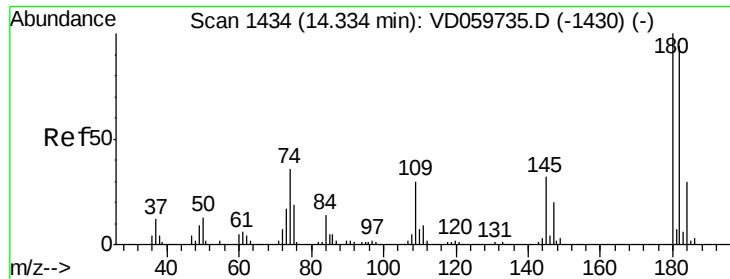
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.05 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion: 75 Resp: 6909
 Ion Ratio Lower Upper
 75 100
 155 60.9 40.4 121.1
 157 81.7 50.5 151.6



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

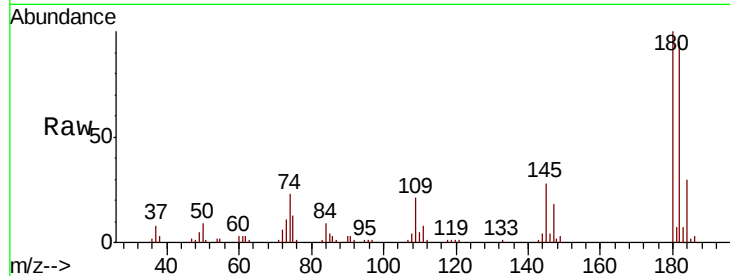




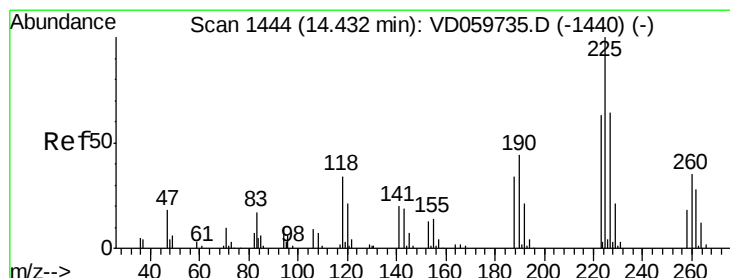
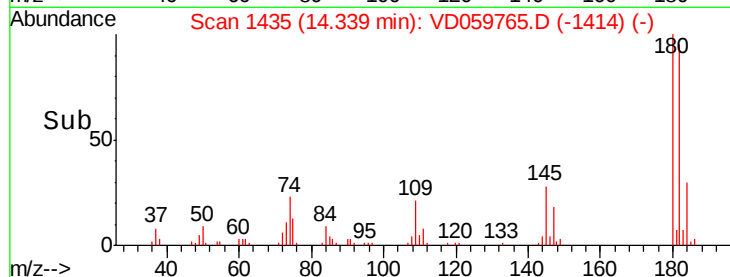
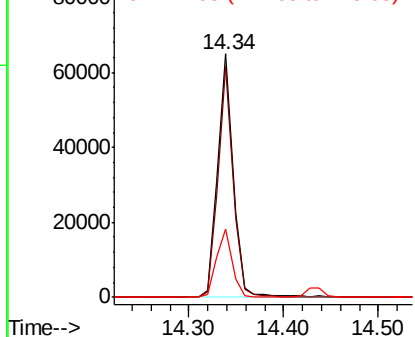
#93
 1,2,4-Trichlorobenzene
 Concen: 18.39 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion:180 Resp: 74057
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.1 141.4
 145 28.1 15.8 47.3

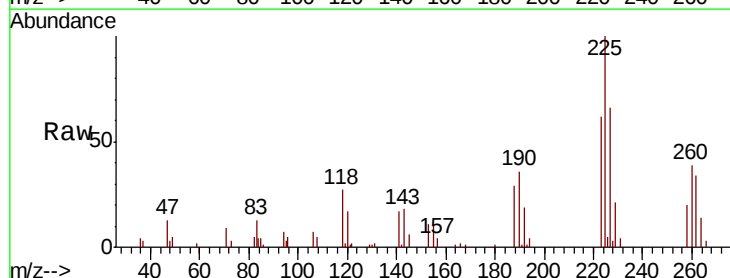


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

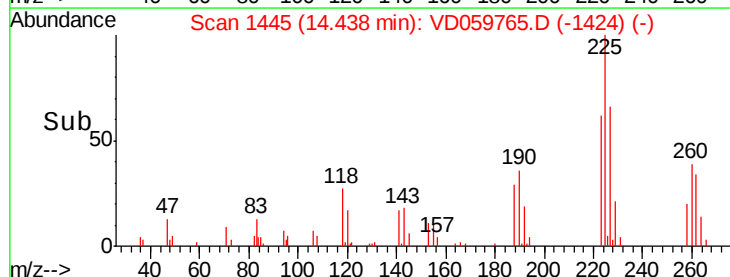
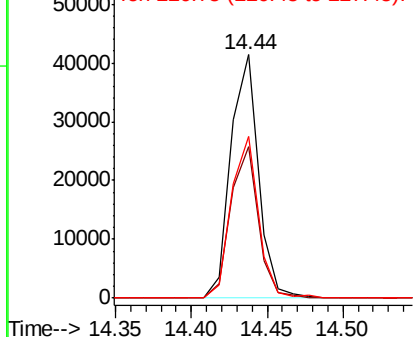


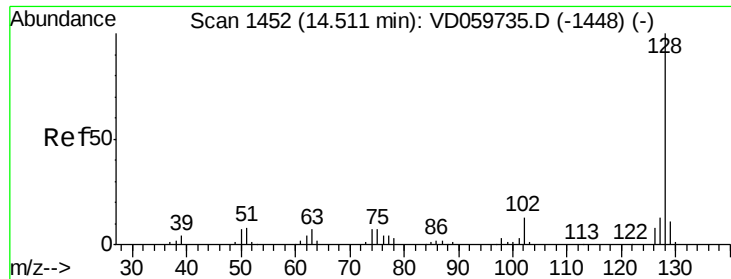
#94
 Hexachlorobutadiene
 Concen: 15.55 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059765.D
 Acq: 14 Aug 2018 14:28

Tgt Ion:225 Resp: 52483
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 66.2 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

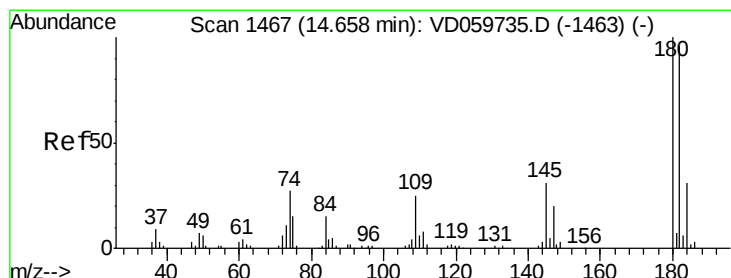
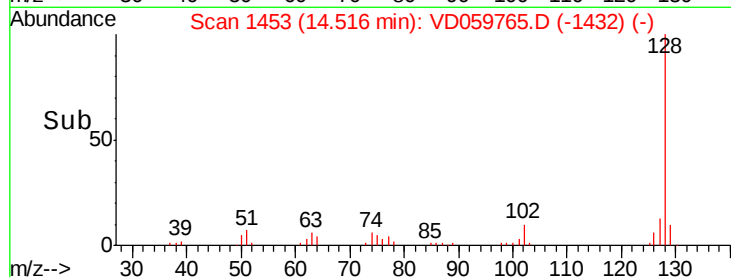
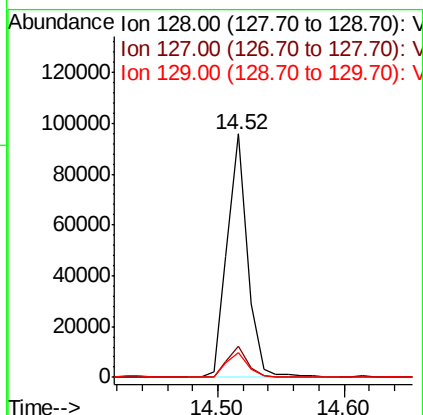
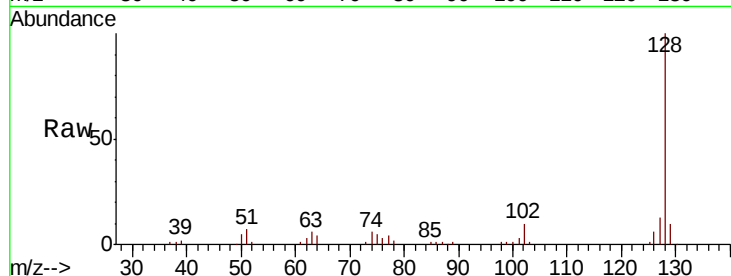




#95
Naphthalene
Concen: 19.77 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion:128 Resp: 107208
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 16.99 ug/l
RT: 14.66 min Scan# 1468
Delta R.T. 0.01 min
Lab File: VD059765.D
Acq: 14 Aug 2018 14:28

Tgt Ion:180 Resp: 58506
Ion Ratio Lower Upper
180 100
182 100.5 48.1 144.4
145 27.0 15.4 46.4

