

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059599.D
 Acq On : 25 Jul 2018 19:57
 Operator : VA/AP
 Sample : J4026-07MSD
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	47140	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	68828	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	61742	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	31675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	46753	78.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	157.78%	
35) Dibromofluoromethane	5.53	113	37668	63.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	127.60%	
50) Toluene-d8	8.69	98	68575	51.20	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.92	95	36175	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	25062	47.99	ug/l	89
3) Chloromethane	1.47	50	12285	41.70	ug/l	# 87
4) Vinyl Chloride	1.53	62	12983	42.34	ug/l	94
5) Bromomethane	1.77	94	4558	77.49	ug/l	87
6) Chloroethane	1.85	64	8297	92.50	ug/l	93
7) Trichlorofluoromethane	2.06	101	29694	56.77	ug/l	96
8) Diethyl Ether	2.32	74	7549	74.82	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.53	101	13243	48.05	ug/l	90
10) Methyl Iodide	2.67	142	16728	46.89	ug/l	86
11) Tert butyl alcohol	3.24	59	13145	555.99	ug/l	# 89
12) 1,1-Dichloroethene	2.52	96	10849	54.31	ug/l	90
13) Acrolein	2.45	56	3872	317.89	ug/l	86
14) Allyl chloride	2.90	41	28375	58.58	ug/l	94
15) Acrylonitrile	3.32	53	29816	581.49	ug/l	96
16) Acetone	2.58	43	57322	640.48	ug/l	95
17) Carbon Disulfide	2.73	76	37476	47.23	ug/l	98
18) Methyl Acetate	2.91	43	24836	138.77	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	73766	110.16	ug/l	93
20) Methylene Chloride	3.05	84	17024	66.71	ug/l	# 86
21) trans-1,2-Dichloroethene	3.36	96	14207	65.95	ug/l	98
22) Diisopropyl ether	4.04	45	83009	65.17	ug/l	90
23) Vinyl Acetate	3.99	43	289900	358.60	ug/l	98
24) 1,1-Dichloroethane	3.94	63	49482	61.54	ug/l	96
25) 2-Butanone	4.82	43	72692	532.61	ug/l	100
26) 2,2-Dichloropropane	4.77	77	42282	51.34	ug/l	91
27) cis-1,2-Dichloroethene	4.78	96	28291	65.75	ug/l	93
28) Bromochloromethane	5.11	49	25646	80.60	ug/l	87
29) Tetrahydrofuran	5.16	42	29906	473.24	ug/l	93
30) Chloroform	5.30	83	67097	69.77	ug/l	99
31) Cyclohexane	5.57	56	22551	42.92	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	52419	56.30	ug/l	97
36) 1,1-Dichloropropene	5.72	75	31695	45.89	ug/l	95
37) Ethyl Acetate	4.91	43	32752	92.19	ug/l	98
38) Carbon Tetrachloride	5.70	117	41681	44.07	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059599.D
 Acq On : 25 Jul 2018 19:57
 Operator : VA/AP
 Sample : J4026-07MSD
 Misc : 5.10a/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	21033	33.12	ug/l	95
40) Benzene	6.00	78	70259	49.61	ug/l	96
41) Methacrylonitrile	5.10	41	14857	83.80	ug/l #	87
42) 1,2-Dichloroethane	6.11	62	64140	75.16	ug/l	98
43) Isopropyl Acetate	7.60	43	41997	85.25	ug/l	100
44) Trichloroethene	6.96	130	26808	52.18	ug/l	100
45) 1,2-Dichloropropane	7.33	63	22547	56.85	ug/l	100
46) Dibromomethane	7.44	93	26891	80.21	ug/l	97
47) Bromodichloromethane	7.72	83	52694	65.81	ug/l	97
48) Methyl methacrylate	7.48	41	28883	88.40	ug/l	94
49) 1,4-Dioxane	7.47	88	6404	2071.09	ug/l	90
51) 4-Methyl-2-Pentanone	8.59	43	148619	451.75	ug/l	96
52) Toluene	8.78	92	49223	52.41	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	50454	69.86	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	47127	65.71	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	25800	73.12	ug/l	96
56) Ethyl methacrylate	9.29	69	33614	83.97	ug/l	100
57) 1,3-Dichloropropane	9.65	76	39777	70.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	75894	403.48	ug/l	99
59) 2-Hexanone	9.78	43	114830	439.44	ug/l	98
60) Dibromochloromethane	9.94	129	43851	74.86	ug/l	97
61) 1,2-Dibromoethane	10.08	107	31768	75.98	ug/l	93
64) Tetrachloroethene	9.50	164	26256	46.93	ug/l	97
65) Chlorobenzene	10.71	112	60623	47.90	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	31386	57.01	ug/l	98
67) Ethyl Benzene	10.85	91	99482	45.72	ug/l	100
68) m/p-Xylenes	11.01	106	67172	92.44	ug/l	96
69) o-Xylene	11.40	106	34513	48.95	ug/l	94
70) Styrene	11.43	104	61935	52.98	ug/l	96
71) Bromoform	11.60	173	32237	71.91	ug/l #	95
73) Isopropylbenzene	11.76	105	88463	39.53	ug/l	98
74) N-amyl acetate	11.64	43	46745	60.97	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	34822	76.22	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	39857	76.09	ug/l	97
77) Bromobenzene	12.03	156	33107	50.54	ug/l	95
78) n-propylbenzene	12.15	91	112821	41.50	ug/l	98
79) 2-Chlorotoluene	12.21	91	71297	43.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	70014	39.63	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	9108	68.01	ug/l	85
82) 4-Chlorotoluene	12.32	91	85429	46.60	ug/l	97
83) tert-Butylbenzene	12.57	119	76019	38.22	ug/l	100
84) 1,2,4-Trimethylbenzene	12.62	105	76860	40.93	ug/l	90
85) sec-Butylbenzene	12.75	105	73844	32.49	ug/l	96
86) p-Isopropyltoluene	12.87	119	64146	33.49	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	51473	46.46	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	50392	47.21	ug/l	99
89) n-Butylbenzene	13.19	91	54434	29.43	ug/l	99
90) Hexachloroethane	13.40	117	17667	34.52	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	49000	52.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	8318	90.31	ug/l	95

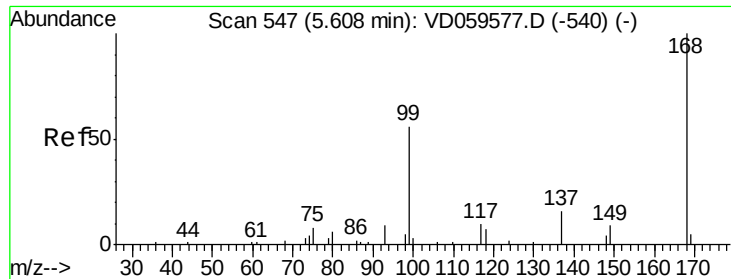
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072518\
Data File : VD059599.D
Acq On : 25 Jul 2018 19:57
Operator : VA/AP
Sample : J4026-07MSD
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	30525	39.65	ug/l	91
94) Hexachlorobutadiene	14.43	225	9792	16.13	ug/l	94
95) Naphthalene	14.51	128	63819	58.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	30015	43.09	ug/l	97

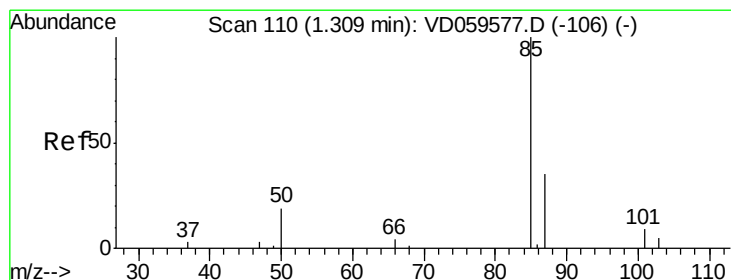
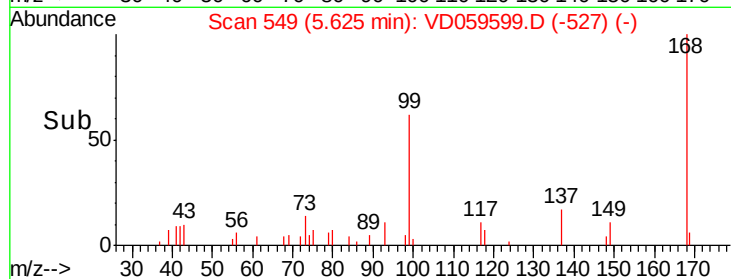
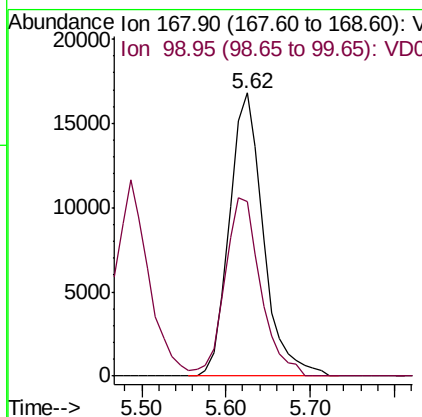
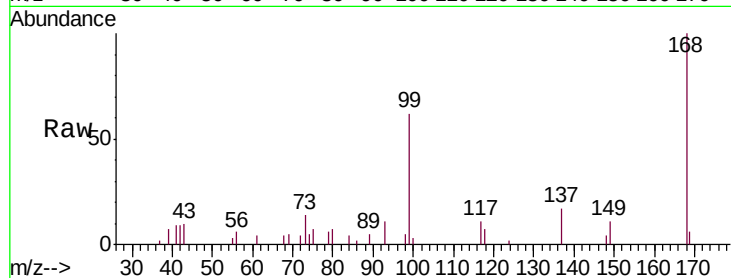
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

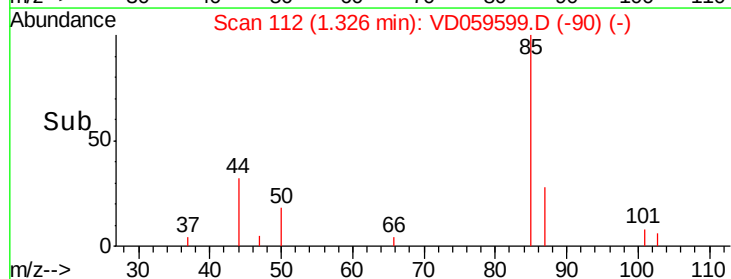
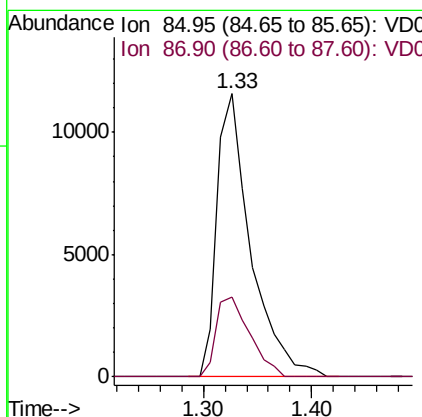
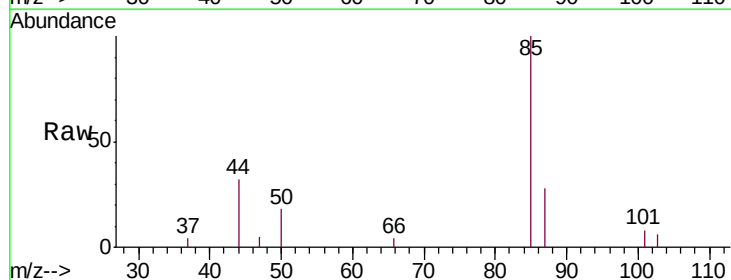
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

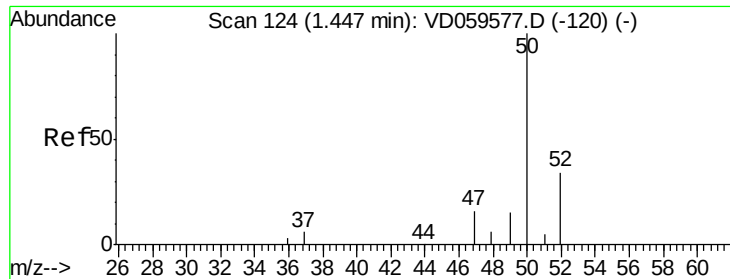
Tot Ion:168 Resp: 47140
Ion Ratio Lower Upper
168 100
99 61.9 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 47.99 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 85 Resp: 25062
Ion Ratio Lower Upper
85 100
87 28.3 17.3 51.7





#3

Chloromethane

Concen: 41.70 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

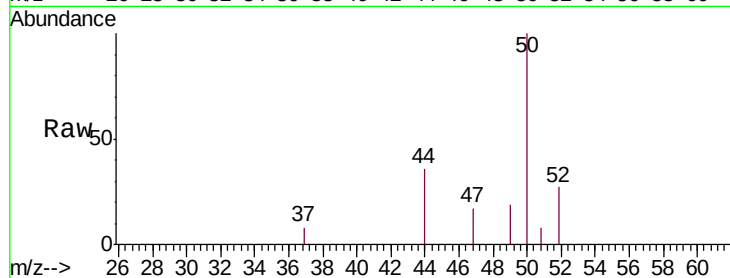
KY030LC006-S-180716MSD

Tot Ion: 50 Resp: 12285

Ion Ratio Lower Upper

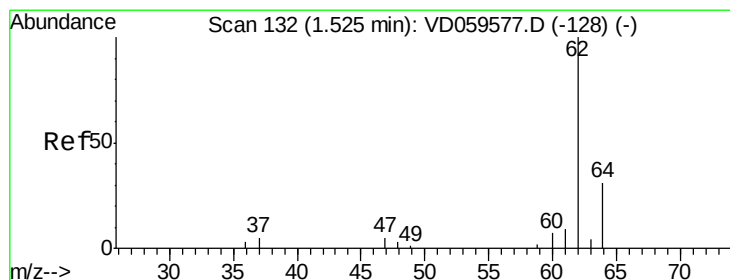
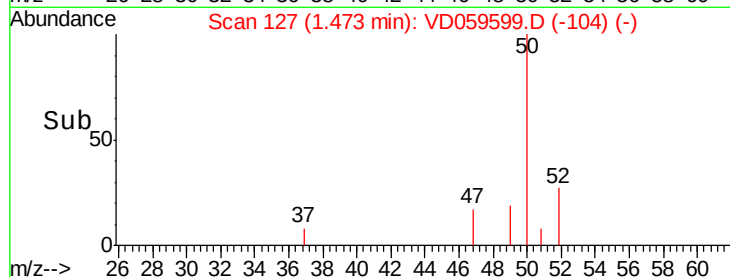
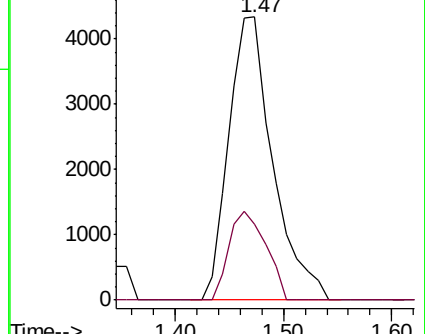
50 100

52 26.6 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.34 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059599.D

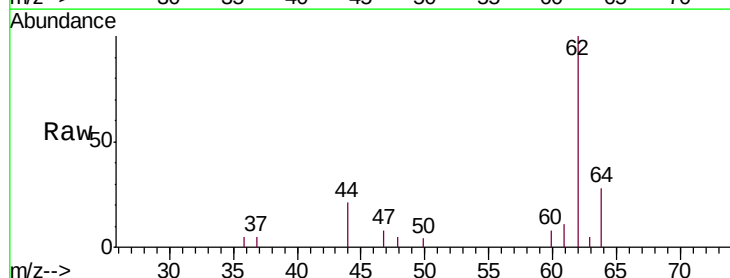
Acq: 25 Jul 2018 19:57

Tgt Ion: 62 Resp: 12983

Ion Ratio Lower Upper

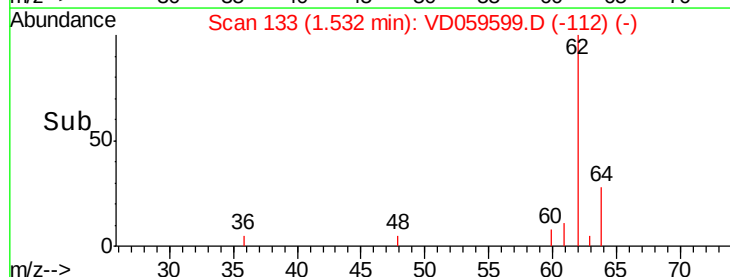
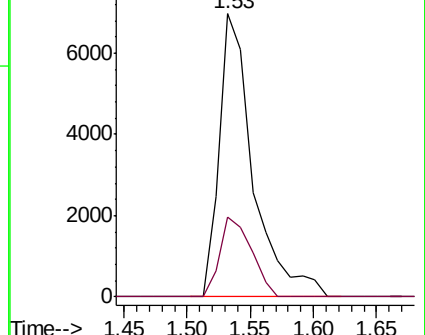
62 100

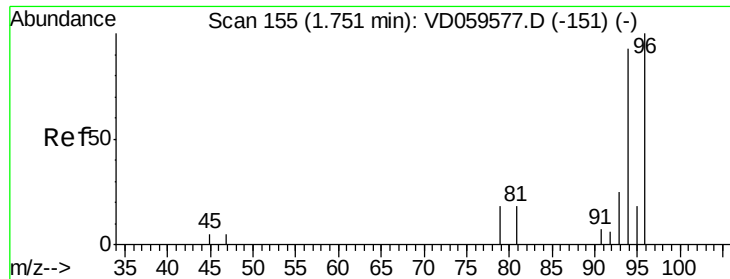
64 28.0 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 77.49 ug/l

RT: 1.77 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

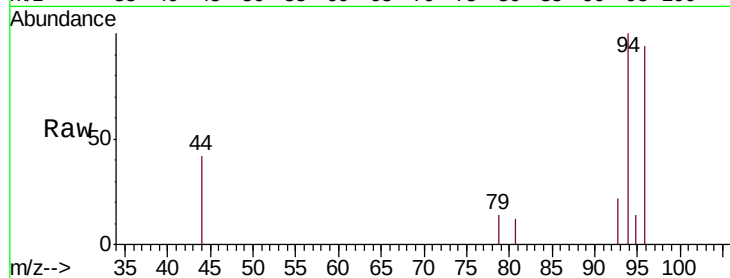
KY030LC006-S-180716MSD

Tot Ion: 94 Resp: 4558

Ion Ratio Lower Upper

94 100

96 93.9 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

3000

2500

2000

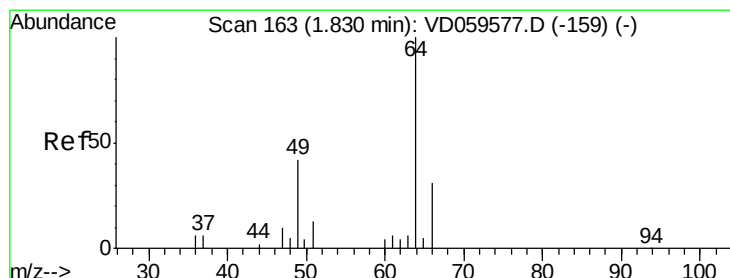
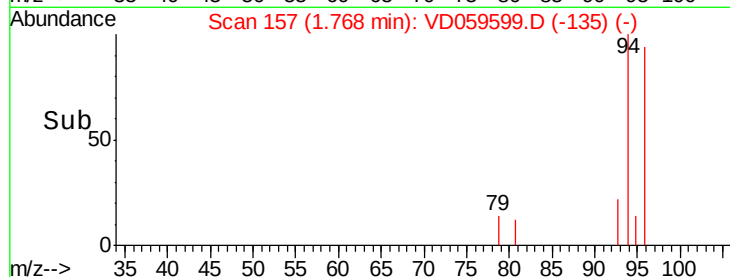
1500

1000

500

0

Time--> 1.70 1.75 1.80 1.85



#6

Chloroethane

Concen: 92.50 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059599.D

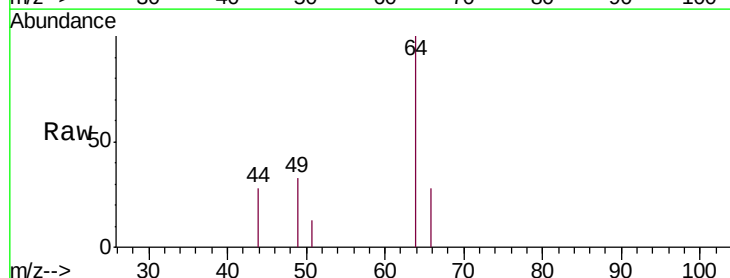
Acq: 25 Jul 2018 19:57

Tgt Ion: 64 Resp: 8297

Ion Ratio Lower Upper

64 100

66 27.5 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.85

4000

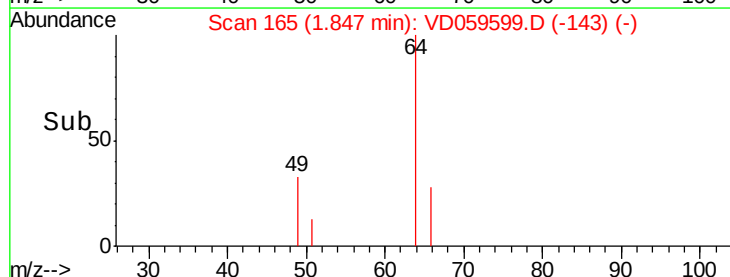
3000

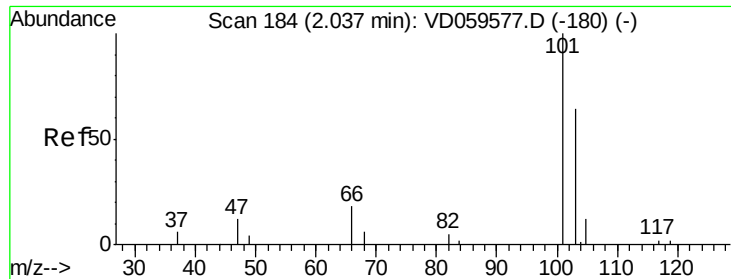
2000

1000

0

Time--> 1.80 1.85 1.90 1.95



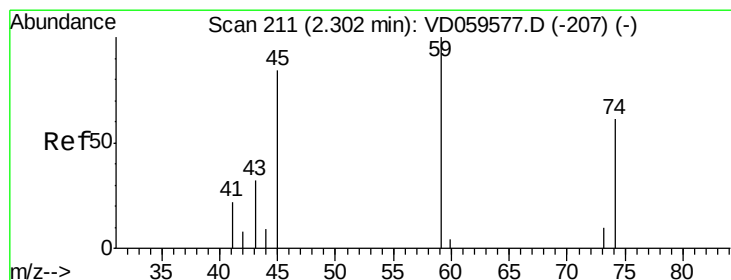
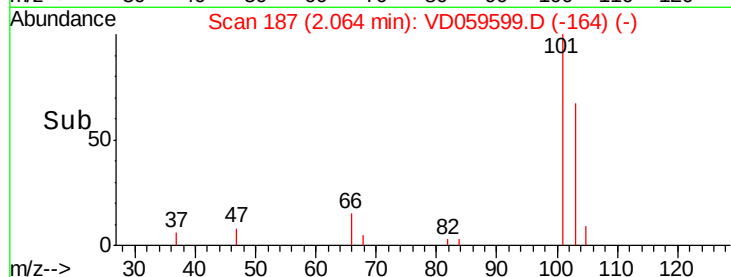
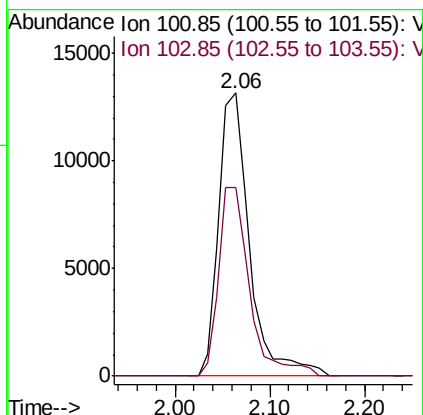
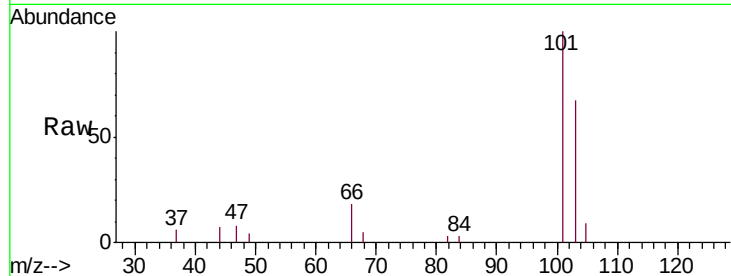


#7

Trichlorofluoromethane
 Concen: 56.77 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. 0.03 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

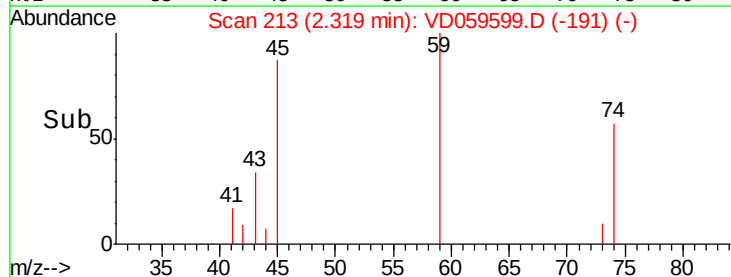
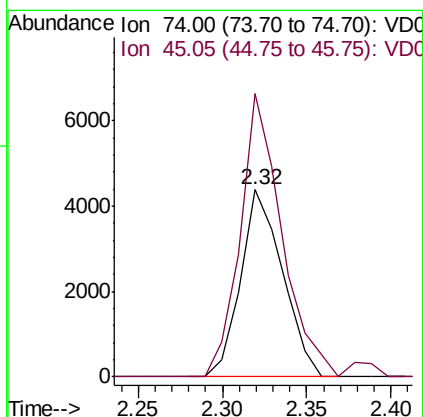
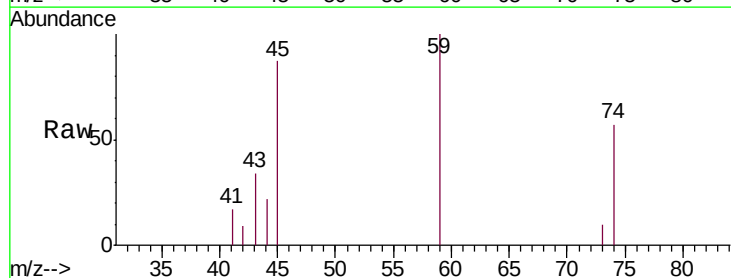
Tot Ion:101 Resp: 29694
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.9 76.3

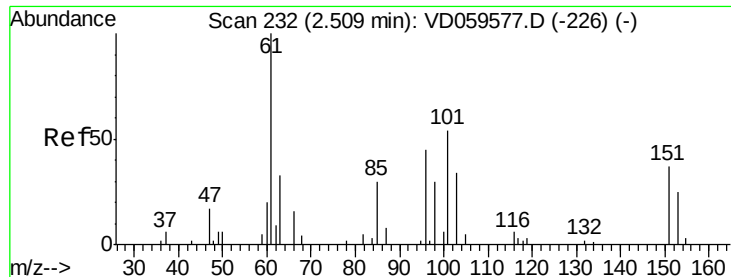


#8

Diethyl Ether
 Concen: 74.82 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.02 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion: 74 Resp: 7549
 Ion Ratio Lower Upper
 74 100
 45 151.2 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.05 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

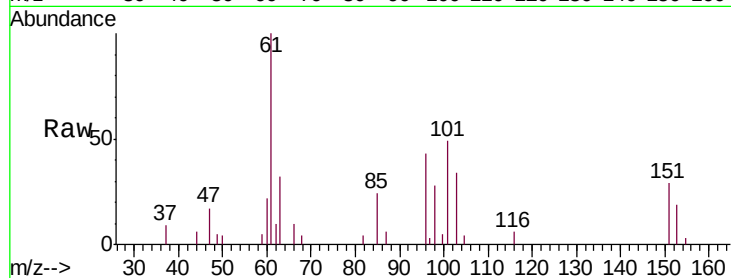
Tot Ion:101 Resp: 13243

Ion Ratio Lower Upper

101 100

85 49.2 44.5 66.7

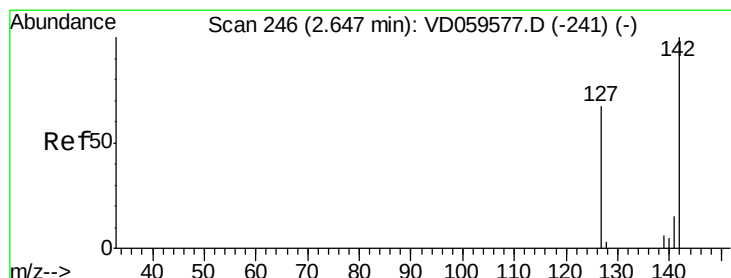
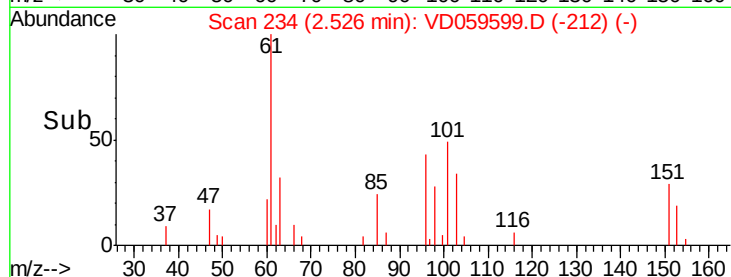
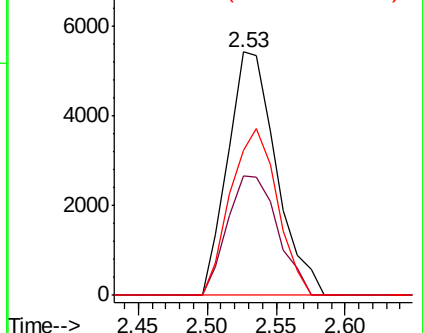
151 59.8 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.89 ug/l

RT: 2.67 min Scan# 249

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

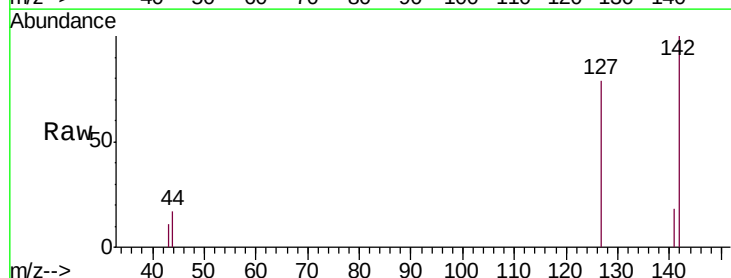
Tgt Ion:142 Resp: 16728

Ion Ratio Lower Upper

142 100

127 79.2 53.6 80.4

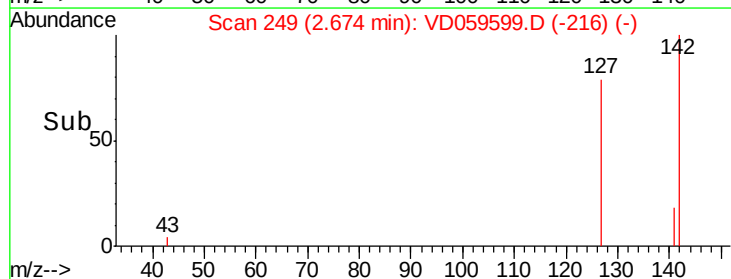
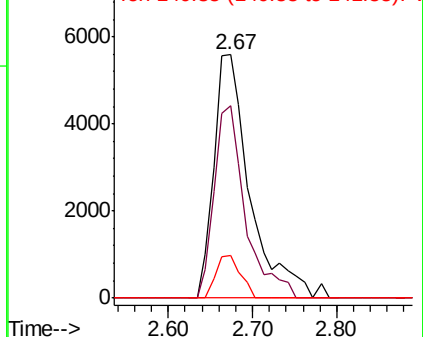
141 17.8 12.2 18.2

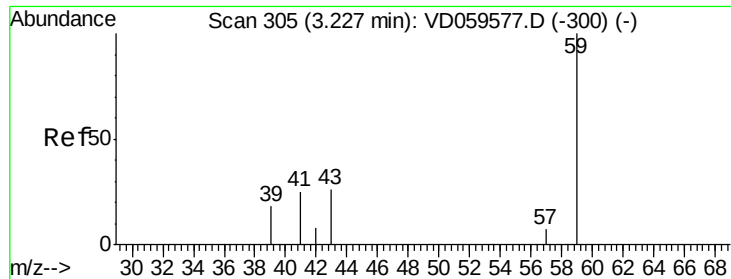


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

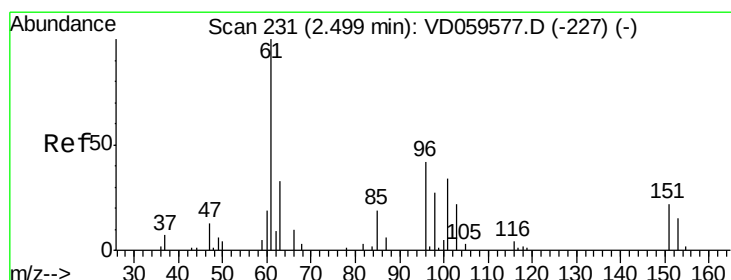
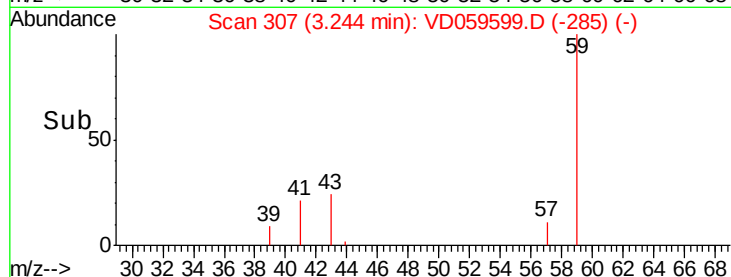
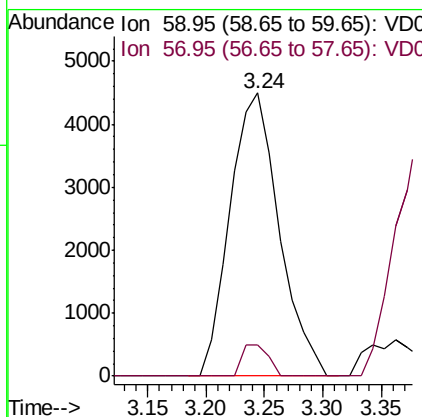
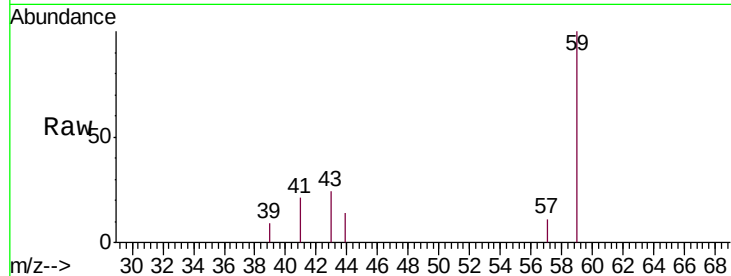




#11
Tert butyl alcohol
Concen: 555.99 ug/l
RT: 3.24 min Scan# 307
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

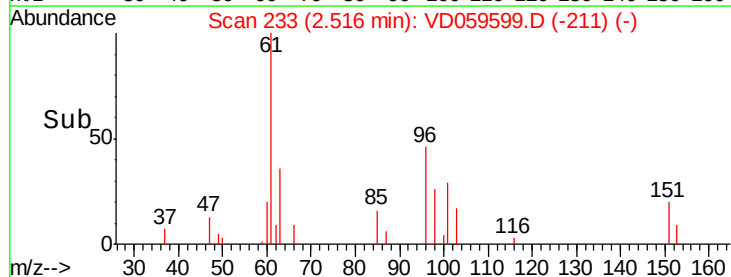
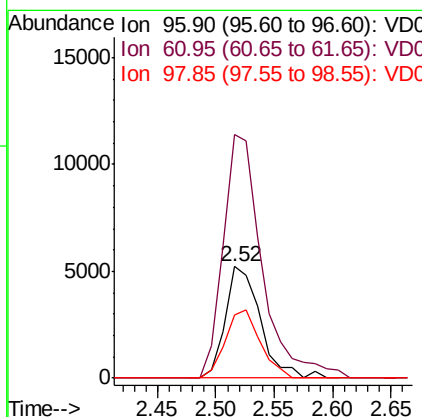
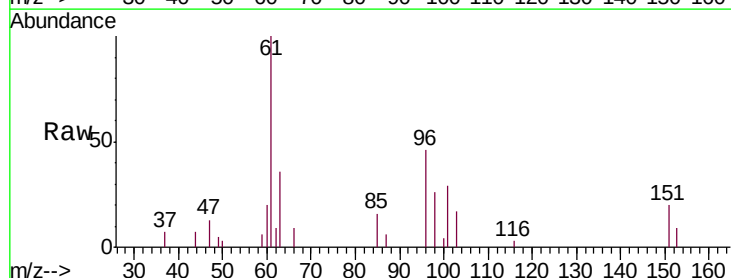
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

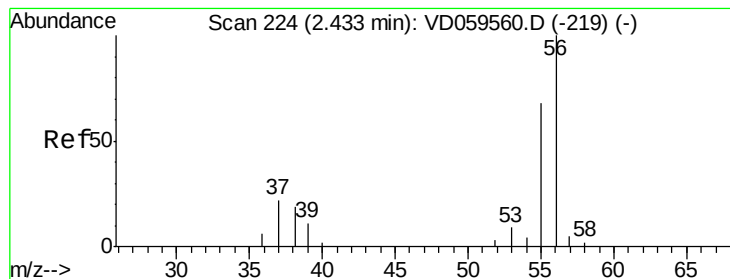
Tot Ion: 59 Resp: 13145
Ion Ratio Lower Upper
59 100
57 10.8 5.5 8.3#



#12
1,1-Dichloroethene
Concen: 54.31 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 96 Resp: 10849
Ion Ratio Lower Upper
96 100
61 218.9 188.8 283.2
98 57.1 51.4 77.2





#13

Acrolein

Concen: 317.89 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

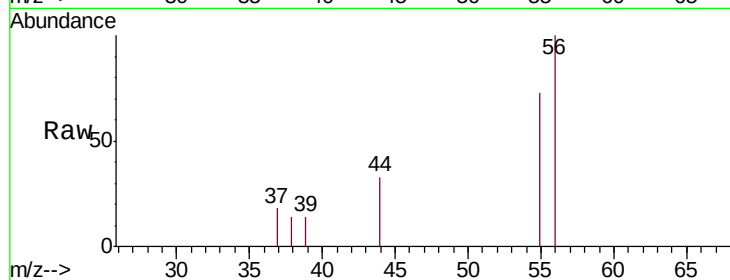
KY030LC006-S-180716MSD

Tot Ion: 56 Resp: 3872

Ion Ratio Lower Upper

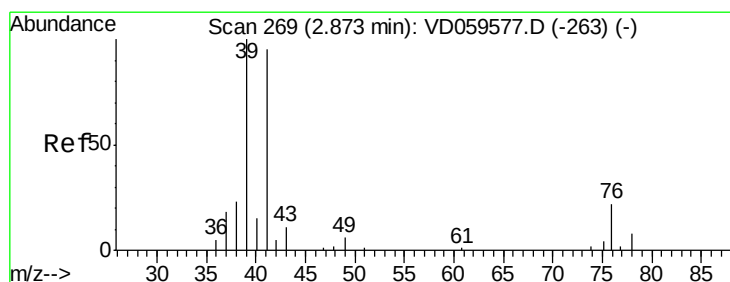
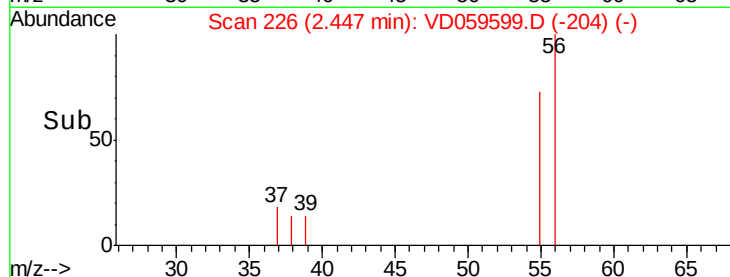
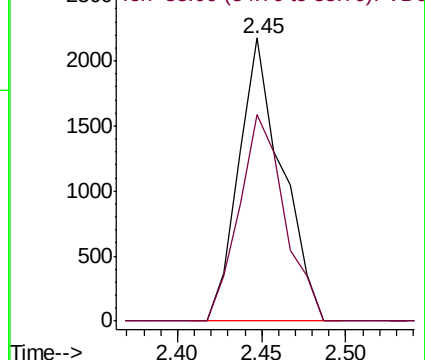
56 100

55 73.1 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.58 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

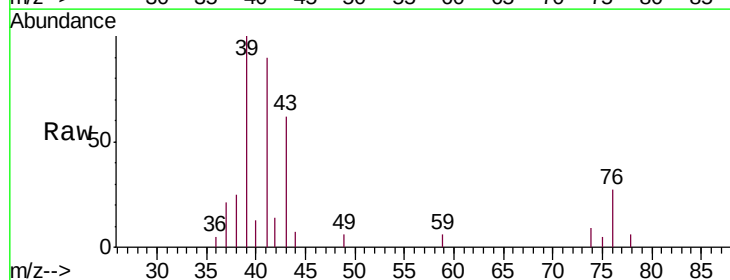
Tgt Ion: 41 Resp: 28375

Ion Ratio Lower Upper

41 100

39 110.7 83.8 125.8

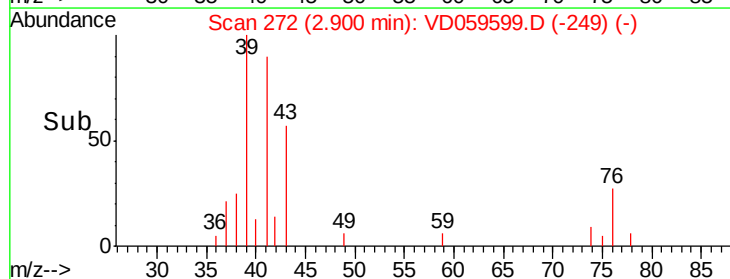
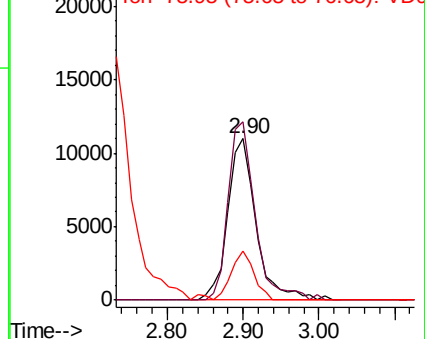
76 30.4 22.2 33.4

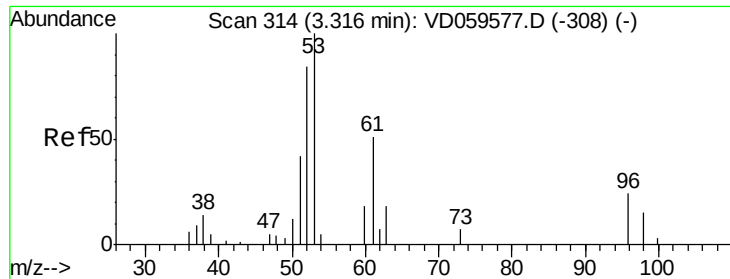


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

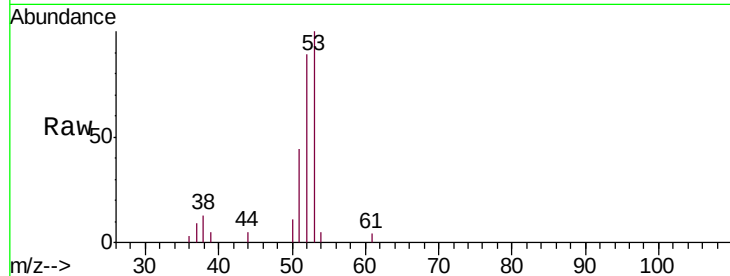




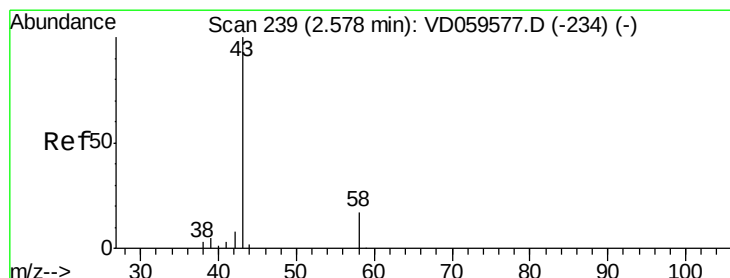
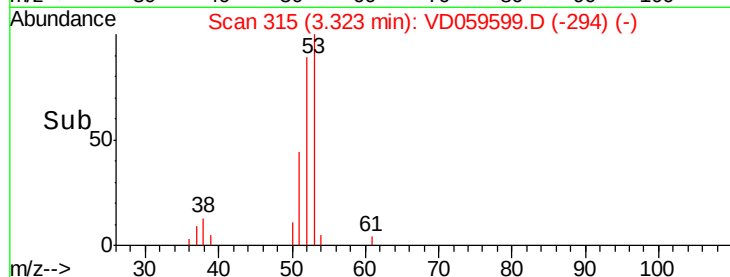
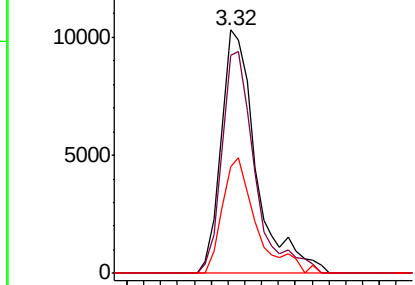
#15
 Acrylonitrile
 Concen: 581.49 ug/l
 RT: 3.32 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Tot Ion: 53 Resp: 29816
 Ion Ratio Lower Upper
 53 100
 52 89.3 67.6 101.4
 51 43.9 33.7 50.5

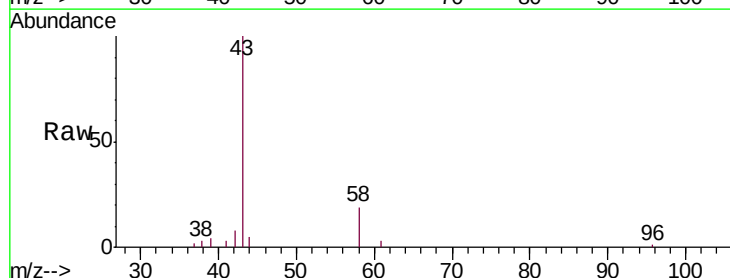


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

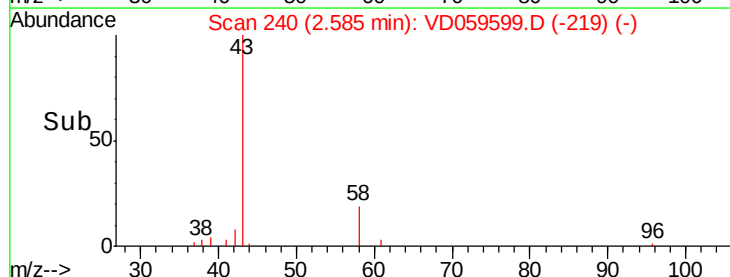
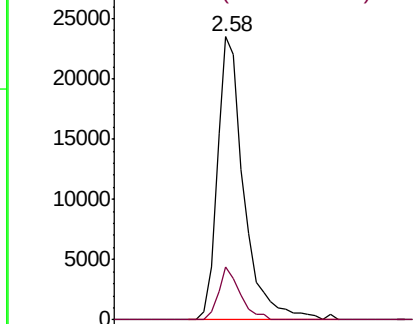


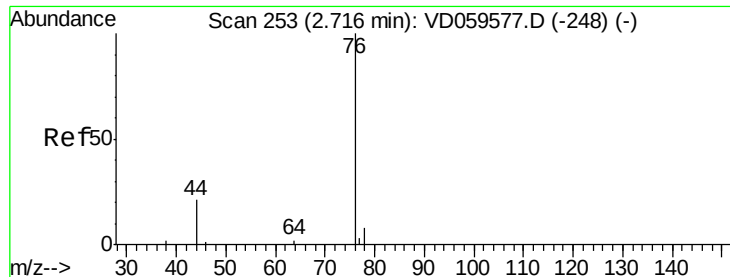
#16
 Acetone
 Concen: 640.48 ug/l
 RT: 2.58 min Scan# 240
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion: 43 Resp: 57322
 Ion Ratio Lower Upper
 43 100
 58 18.8 13.4 20.0



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

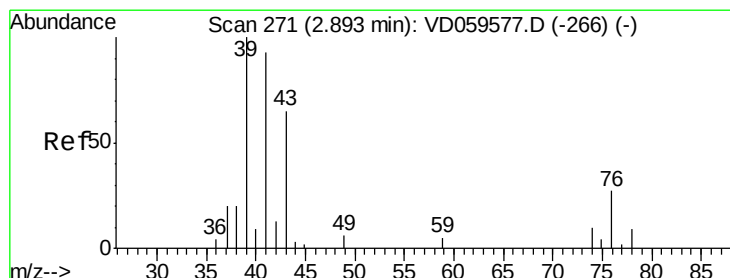
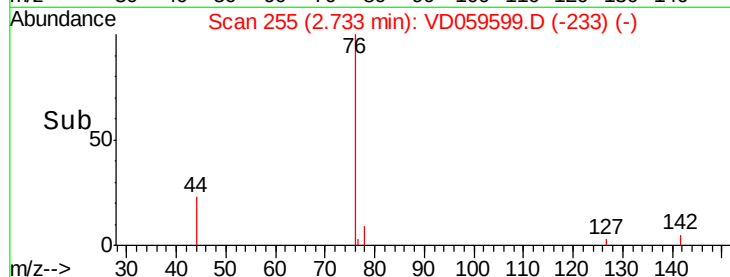
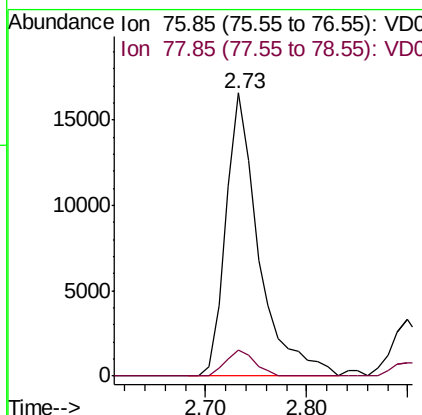
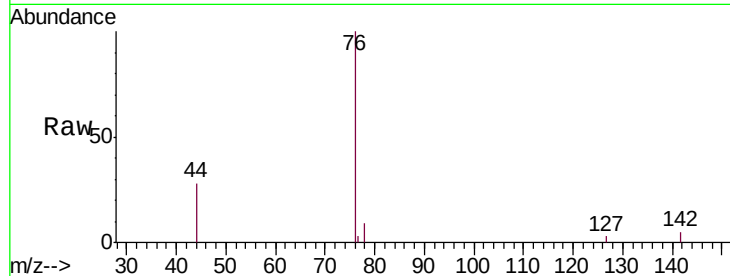




#17
Carbon Disulfide
Concen: 47.23 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

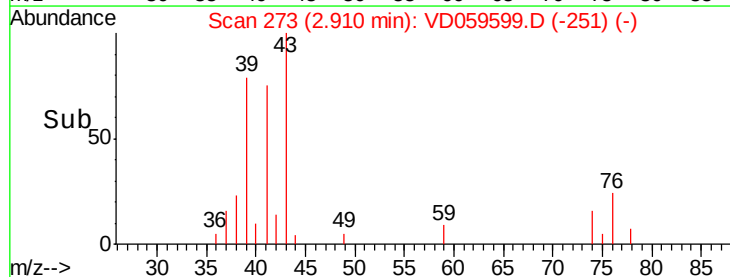
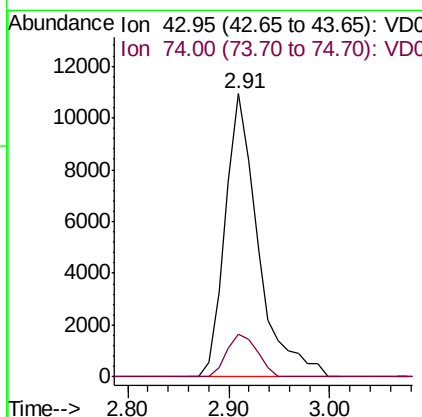
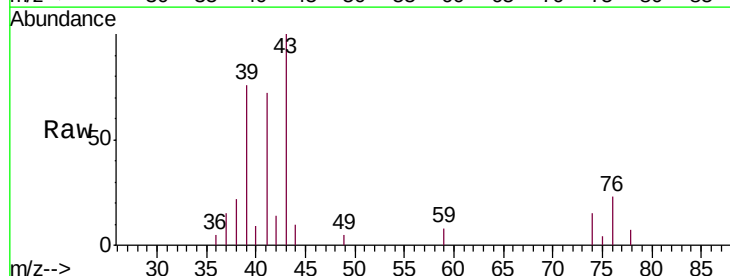
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

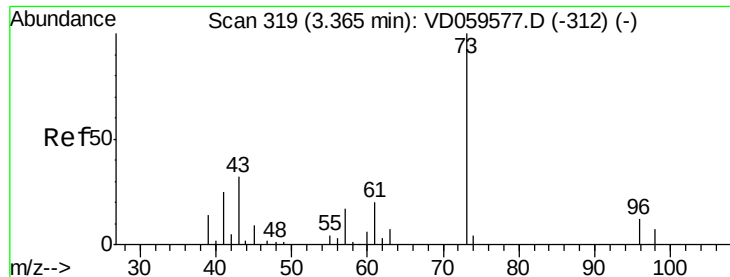
Tot Ion: 76 Resp: 37476
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 138.77 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 43 Resp: 24836
Ion Ratio Lower Upper
43 100
74 14.9 13.0 19.4



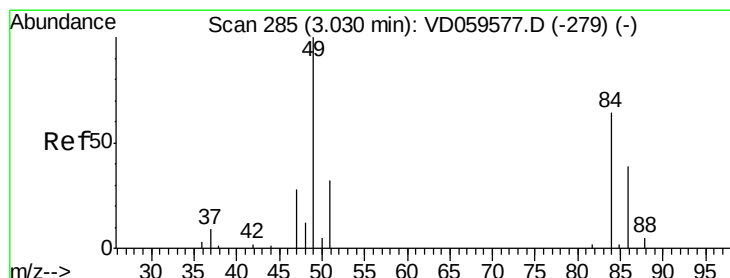
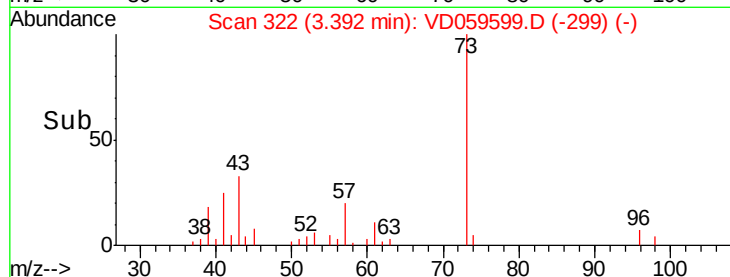
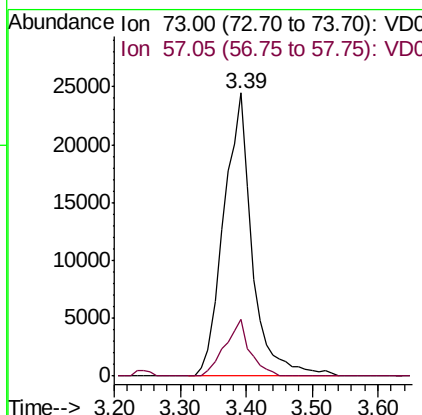
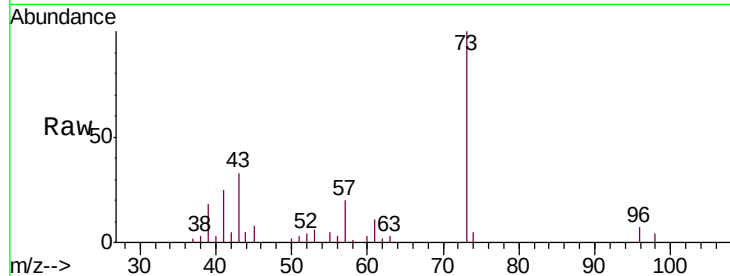


#19

Methyl tert-butyl Ether
Concen: 110.16 ug/l
RT: 3.39 min Scan# 322
Delta R.T. 0.03 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

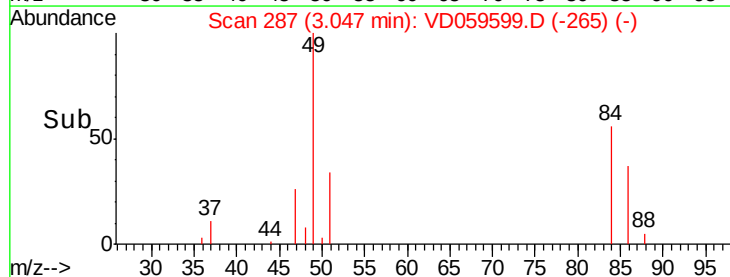
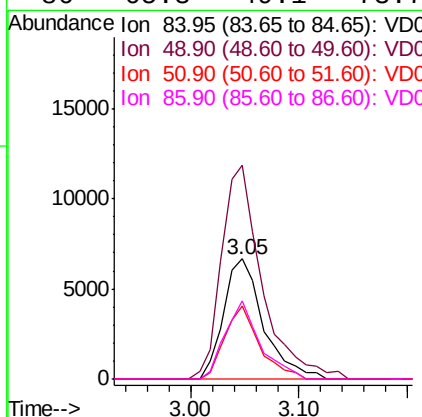
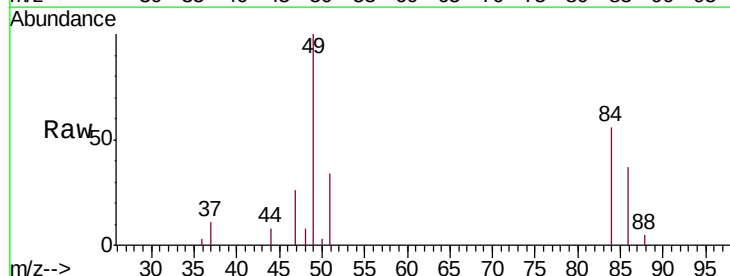
Tot Ion: 73 Resp: 73766
Ion Ratio Lower Upper
73 100
57 20.0 13.4 20.2

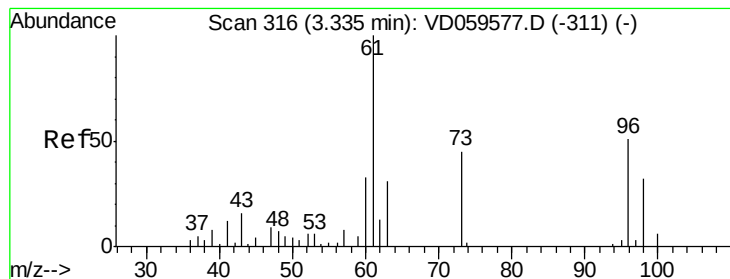


#20

Methylene Chloride
Concen: 66.71 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 84 Resp: 17024
Ion Ratio Lower Upper
84 100
49 178.0 125.4 188.2
51 60.5 39.7 59.5#
86 65.3 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 65.95 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

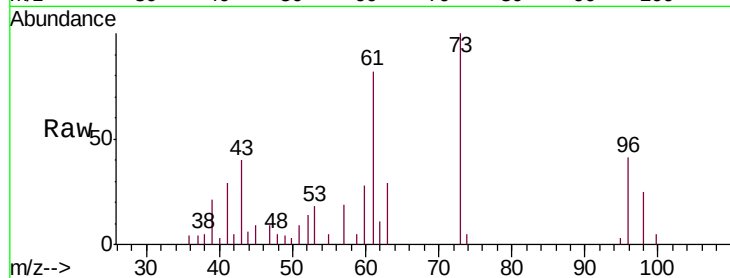
Tot Ion: 96 Resp: 14207

Ion Ratio Lower Upper

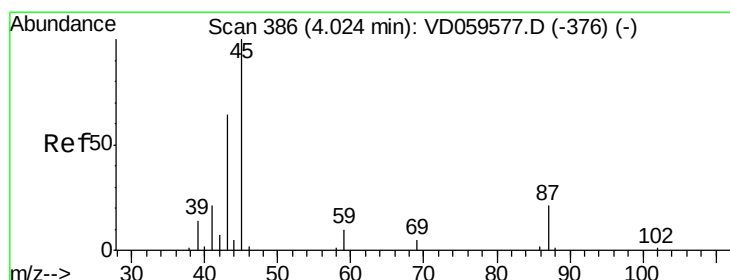
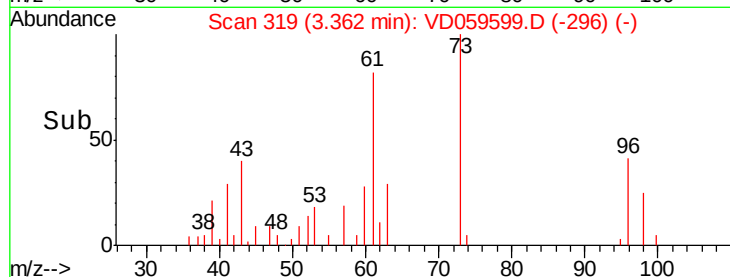
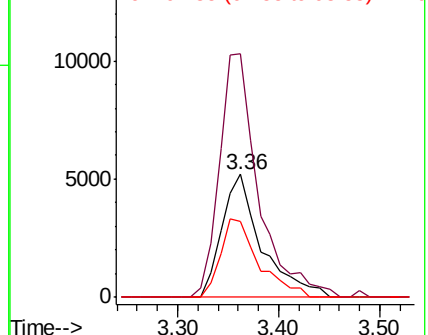
96 100

61 198.2 155.8 233.6

98 61.6 49.1 73.7



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: 65.17 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Tgt Ion: 45 Resp: 83009

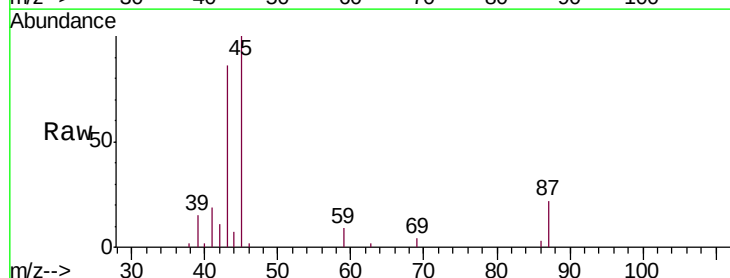
Ion Ratio Lower Upper

45 100

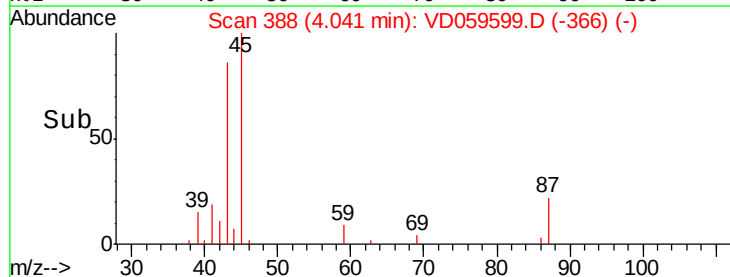
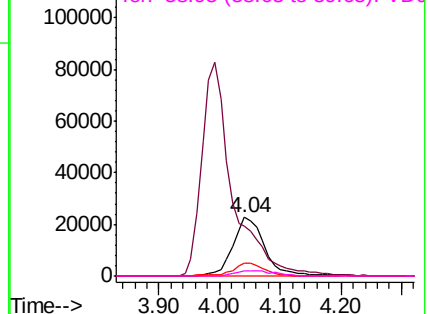
43 85.7 59.4 89.2

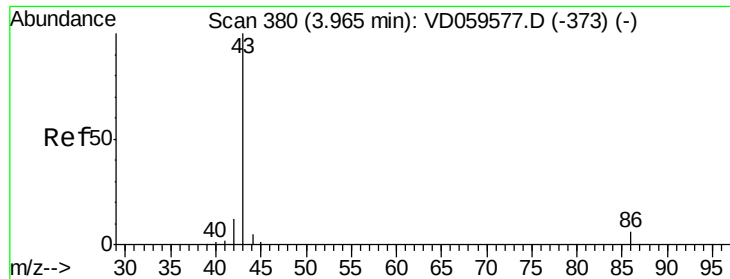
87 21.9 16.7 25.1

59 8.7 8.2 12.4



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: 358.60 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

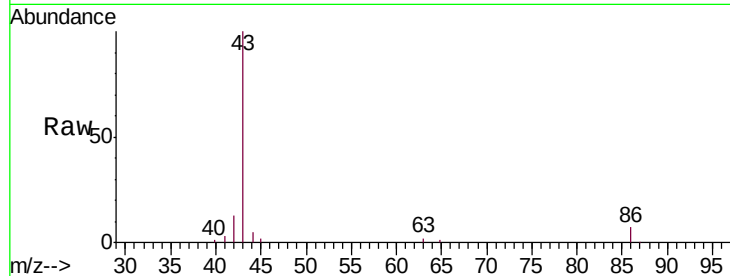
KY030LC006-S-180716MSD

Tot Ion: 43 Resp: 289900

Ion Ratio Lower Upper

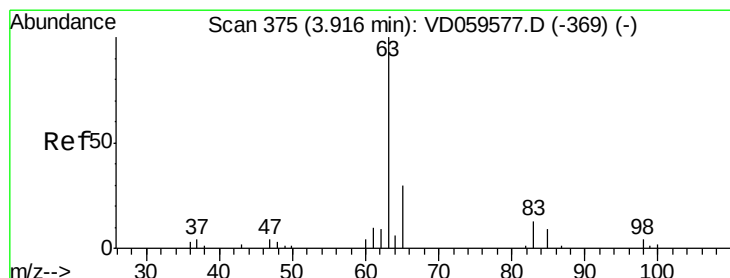
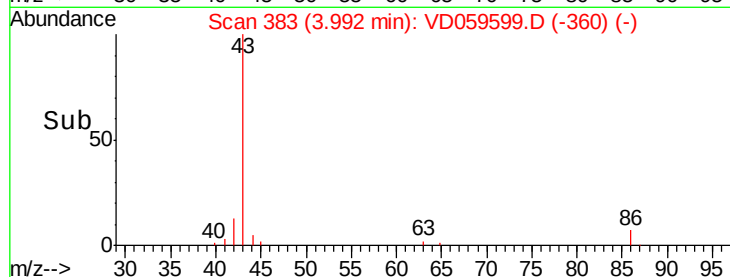
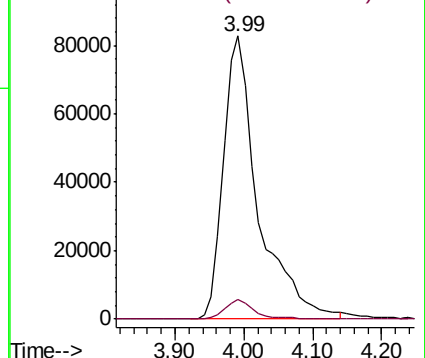
43 100

86 7.0 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 61.54 ug/l

RT: 3.94 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

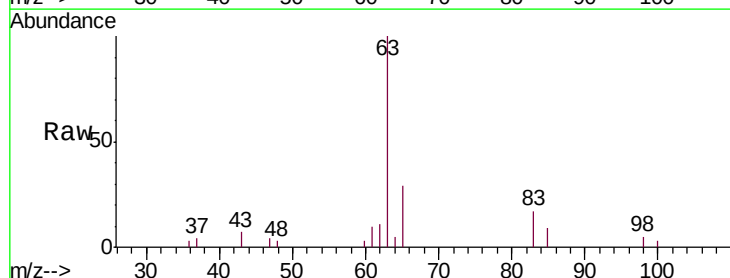
Tgt Ion: 63 Resp: 49482

Ion Ratio Lower Upper

63 100

98 5.4 1.8 5.5

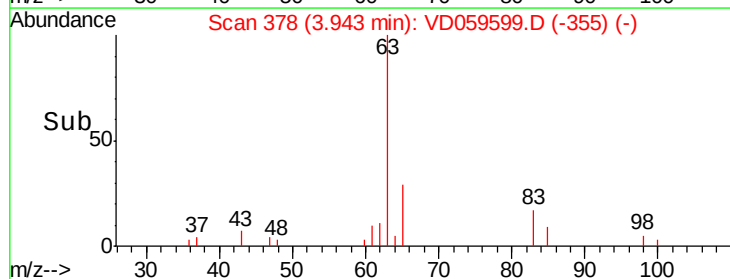
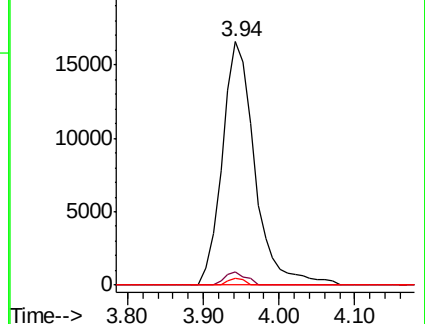
100 2.9 1.1 3.3

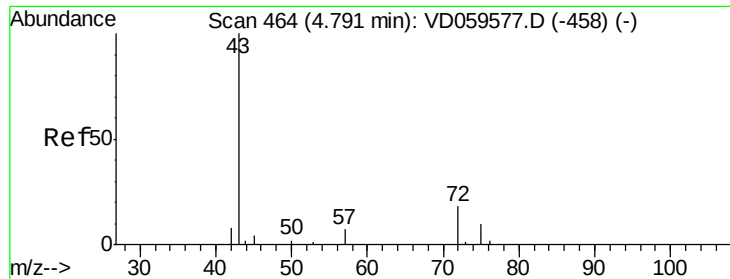


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 532.61 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

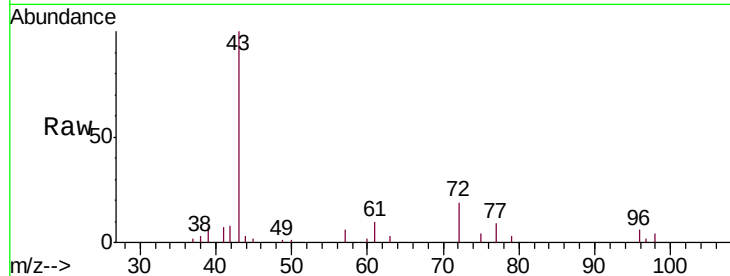
KY030LC006-S-180716MSD

Tot Ion: 43 Resp: 72692

Ion Ratio Lower Upper

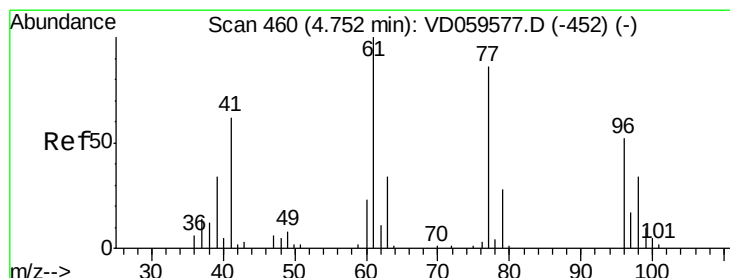
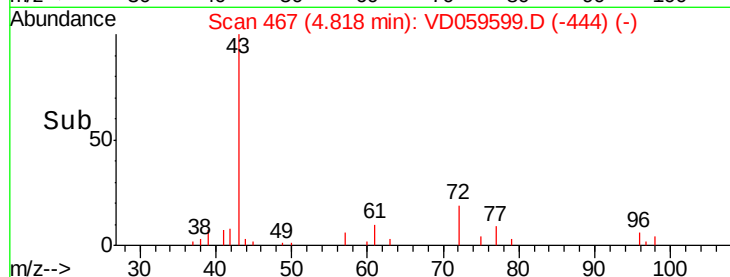
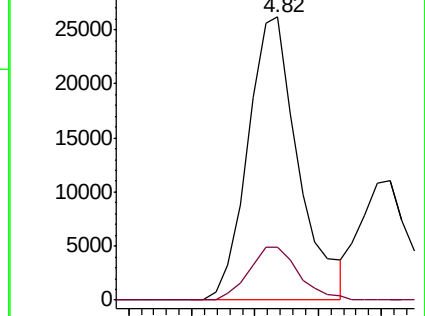
43 100

72 18.6 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.34 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059599.D

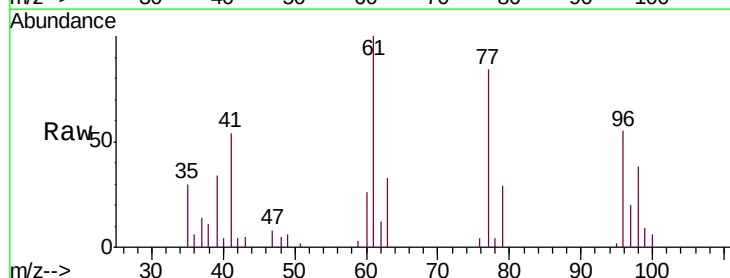
Acq: 25 Jul 2018 19:57

Tgt Ion: 77 Resp: 42282

Ion Ratio Lower Upper

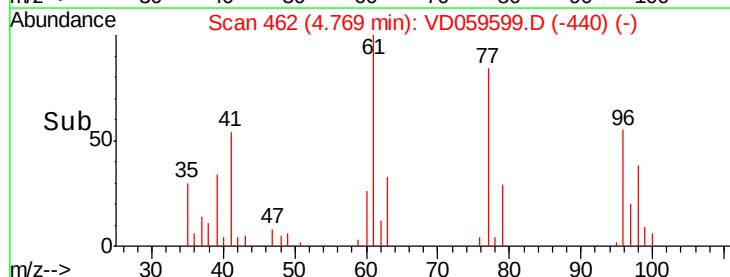
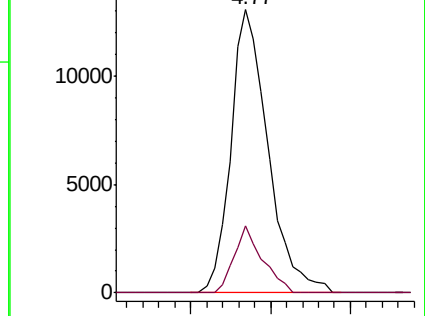
77 100

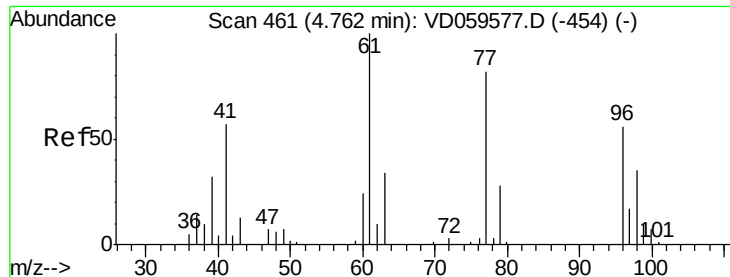
97 23.5 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



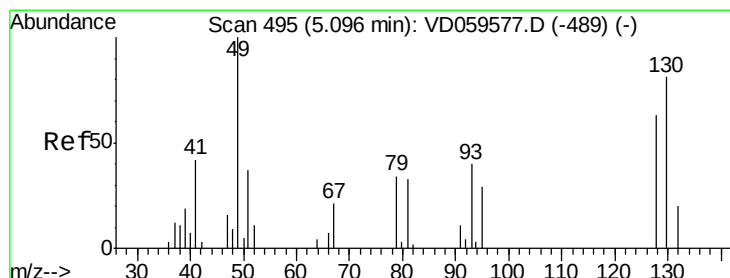
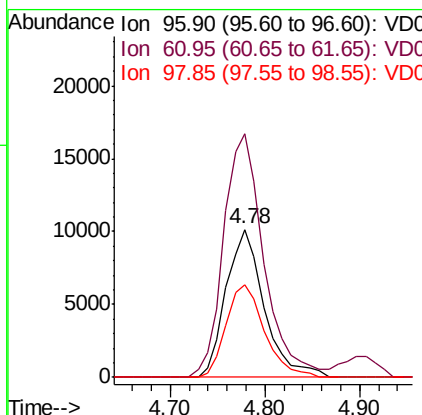
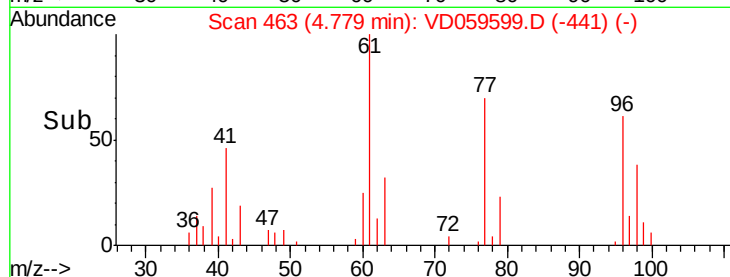
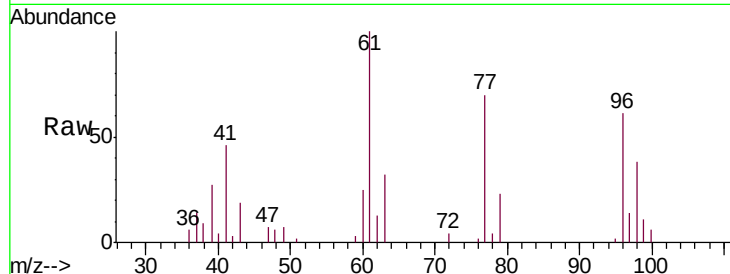


#27

cis-1,2-Dichloroethene
Concen: 65.75 ug/l
RT: 4.78 min Scan# 463
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

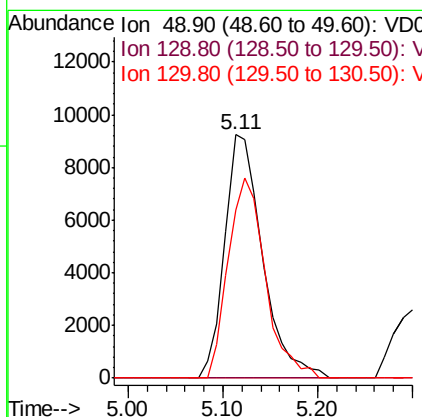
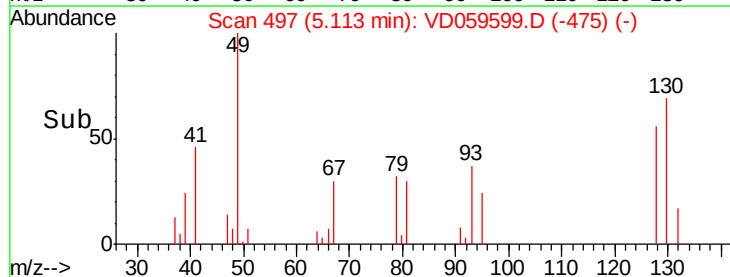
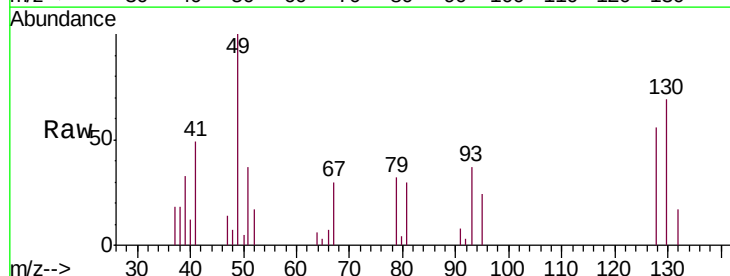
Tot Ion: 96 Resp: 28291
Ion Ratio Lower Upper
96 100
61 164.5 0.0 355.0
98 62.3 0.0 125.8

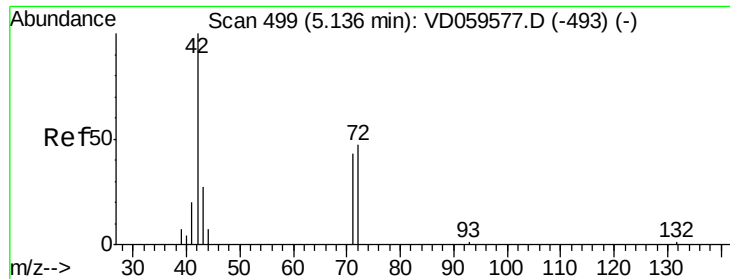


#28

Bromochloromethane
Concen: 80.60 ug/l
RT: 5.11 min Scan# 497
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 49 Resp: 25646
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 69.0 64.6 96.8





#29

Tetrahydrofuran

Concen: 473.24 ug/l

RT: 5.16 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

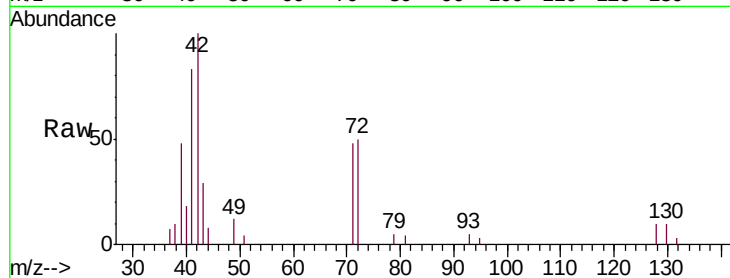
Tot Ion: 42 Resp: 29906

Ion Ratio Lower Upper

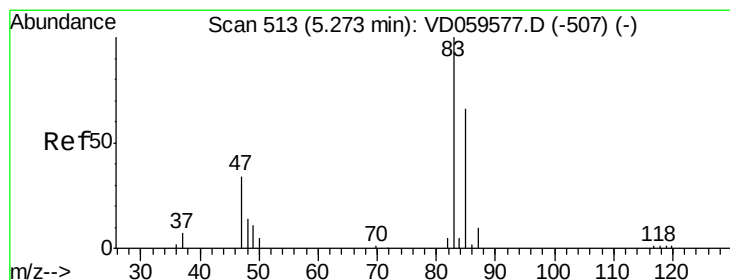
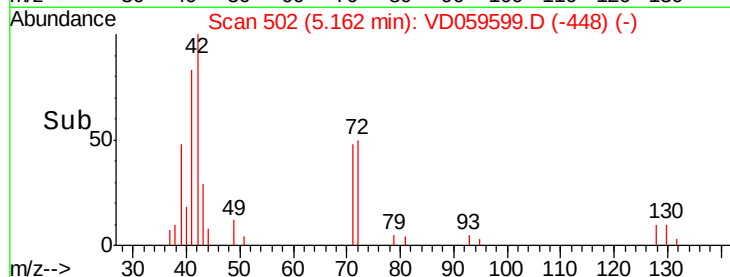
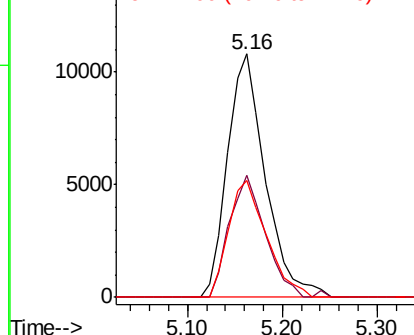
42 100

72 47.1 35.0 52.4

71 48.0 34.2 51.2



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: 69.77 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.03 min

Lab File: VD059599.D

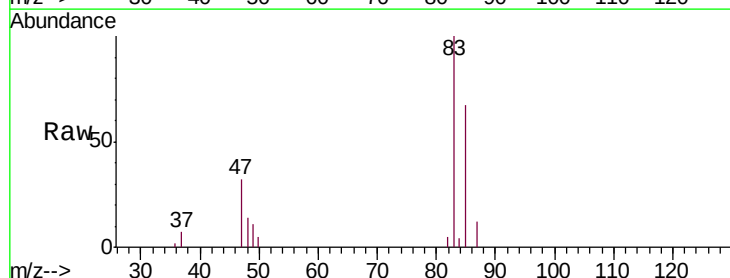
Acq: 25 Jul 2018 19:57

Tgt Ion: 83 Resp: 67097

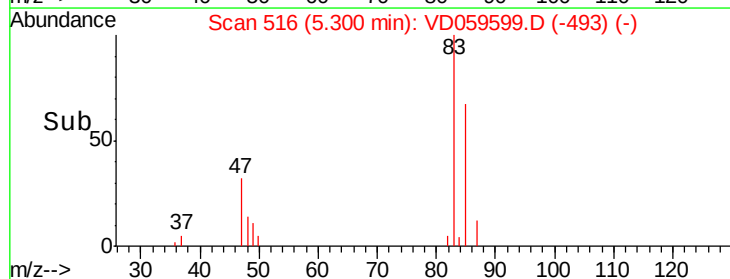
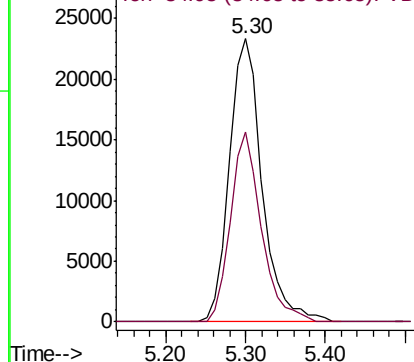
Ion Ratio Lower Upper

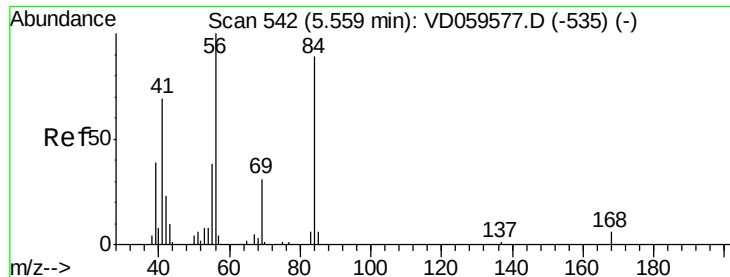
83 100

85 67.3 53.0 79.6



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

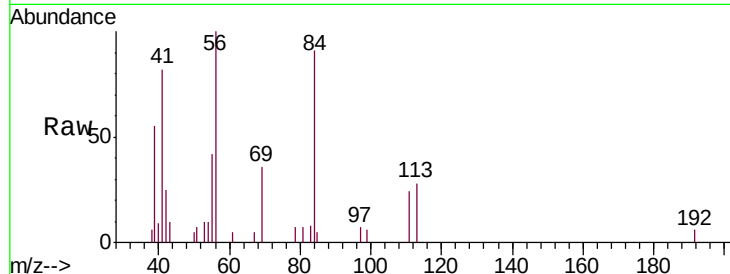




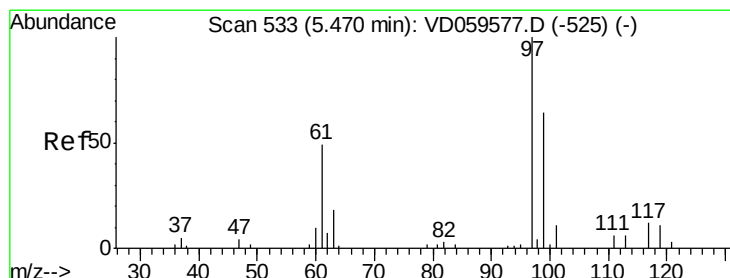
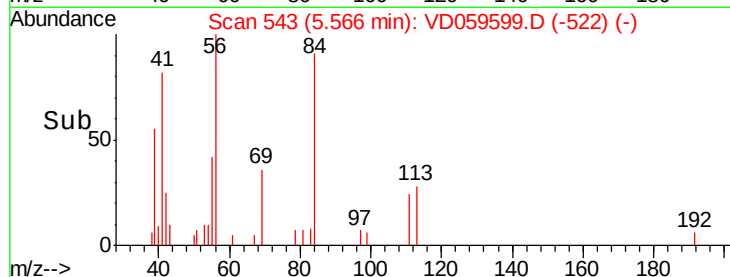
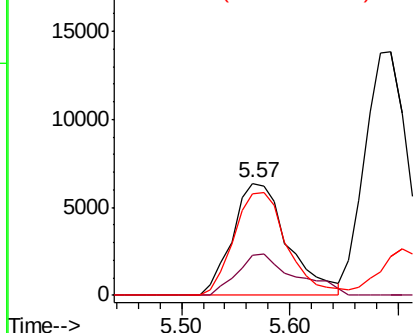
#31
Cyclohexane
Concen: 42.92 ug/l
RT: 5.57 min Scan# 543
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Tot Ion: 56 Resp: 22551
Ion Ratio Lower Upper
56 100
69 35.5 24.6 37.0
84 90.7 72.7 109.1

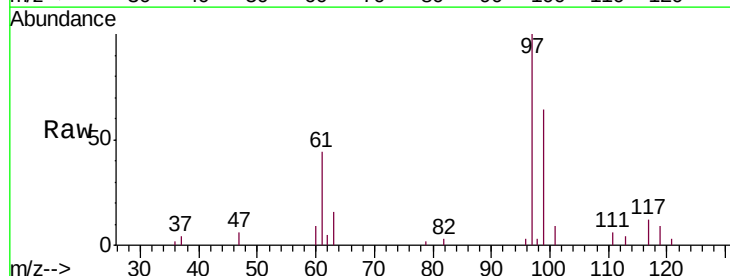


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

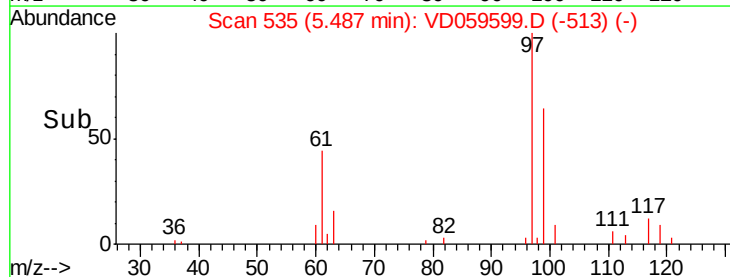
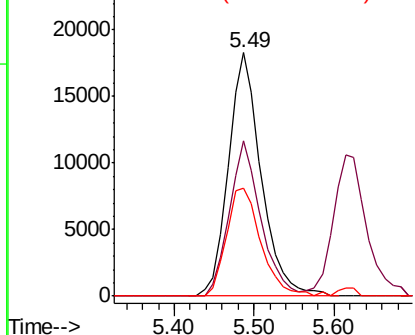


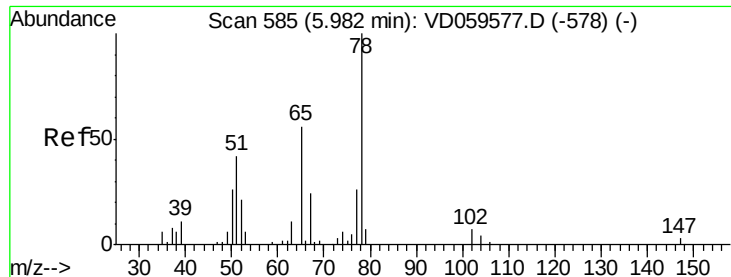
#32
1,1,1-Trichloroethane
Concen: 56.30 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 97 Resp: 52419
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 44.4 39.2 58.8



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

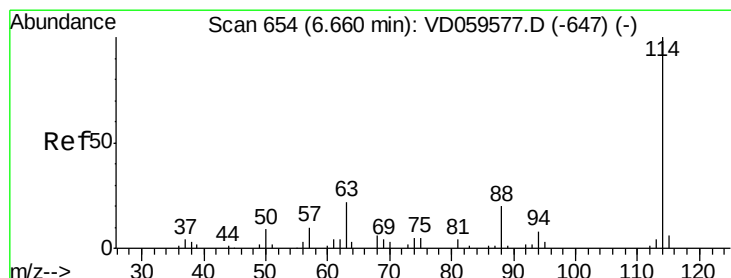
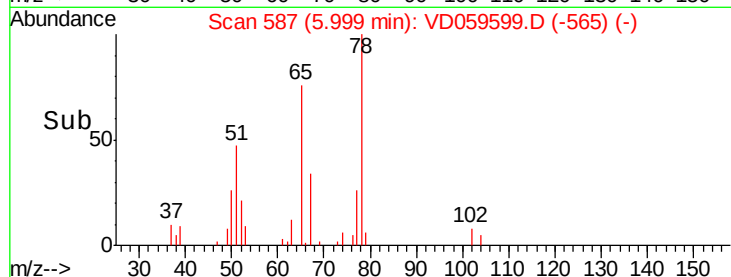
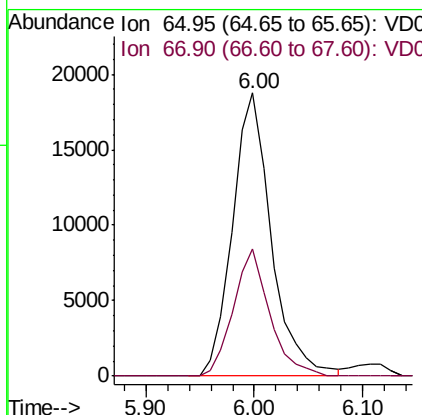
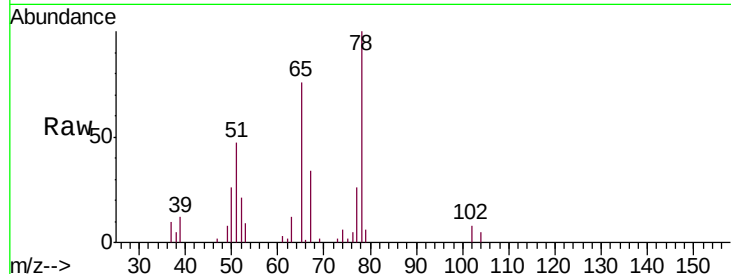




#33
 1,2-Dichloroethane-d4
 Concen: 56.30 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

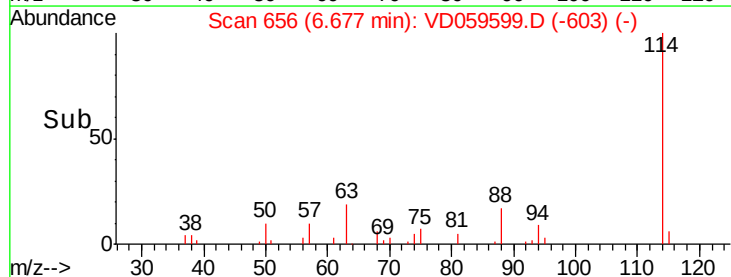
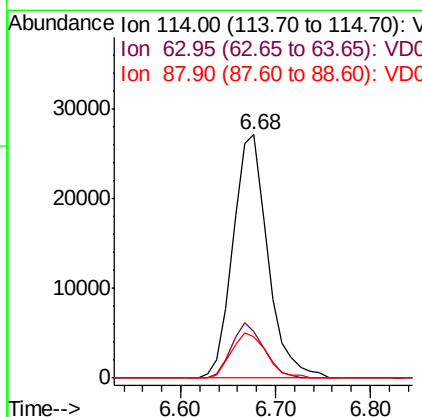
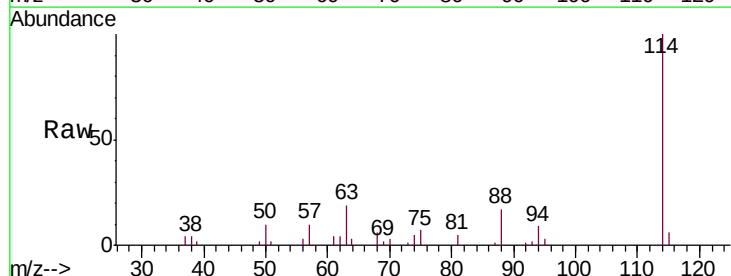
Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

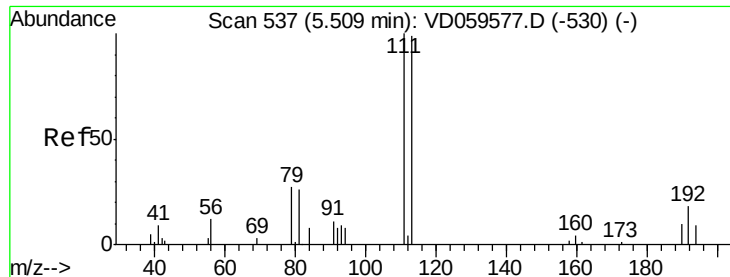
Tot Ion: 65 Resp: 46753
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion: 114 Resp: 68828
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.8
 88 16.8 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

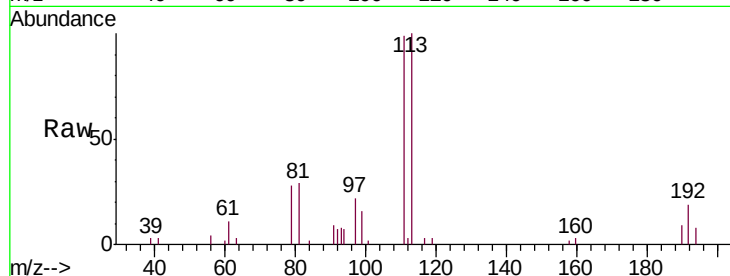
Tot Ion:113 Resp: 37668

Ion Ratio Lower Upper

113 100

111 99.4 80.5 120.7

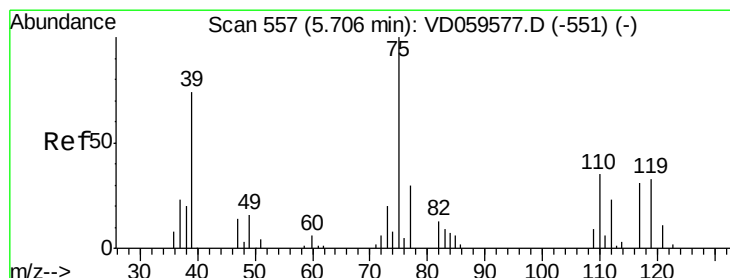
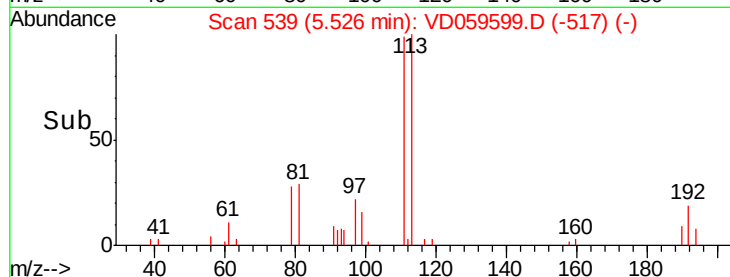
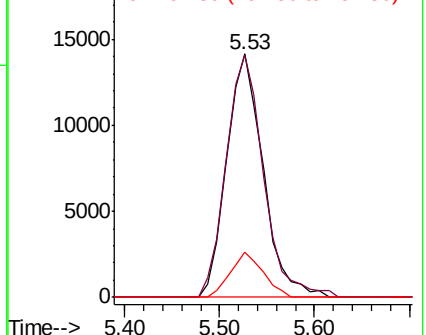
192 18.5 14.5 21.7



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: 45.89 ug/l

RT: 5.72 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

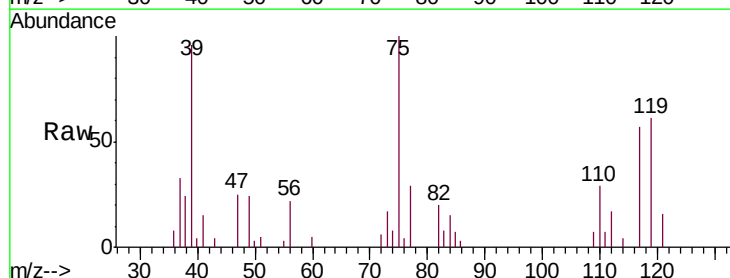
Tgt Ion: 75 Resp: 31695

Ion Ratio Lower Upper

75 100

110 29.1 17.0 50.9

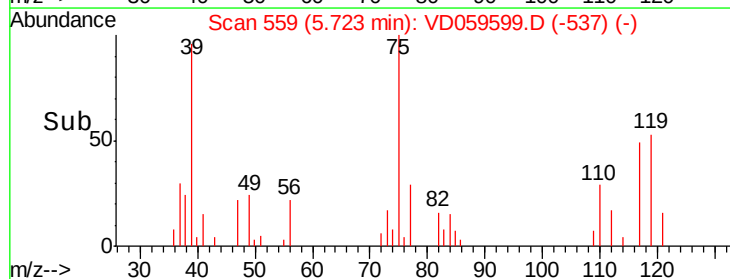
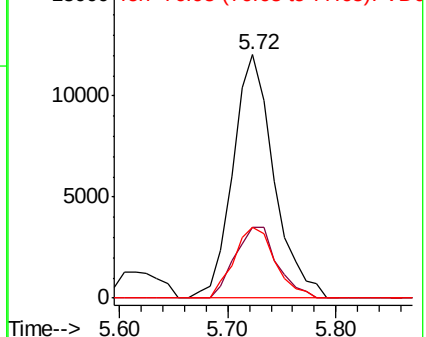
77 28.9 23.6 35.4

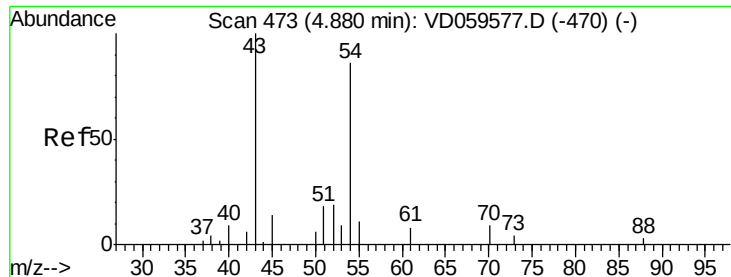


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 92.19 ug/l

RT: 4.91 min Scan# 476

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

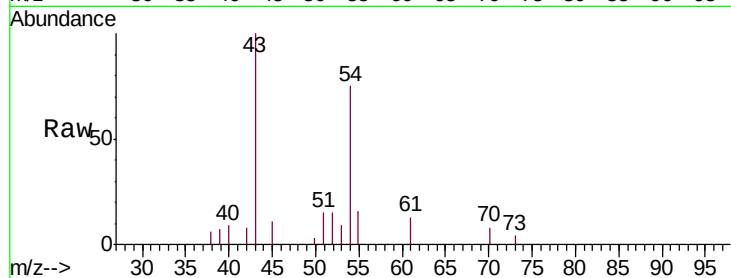
Tot Ion: 43 Resp: 32752

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

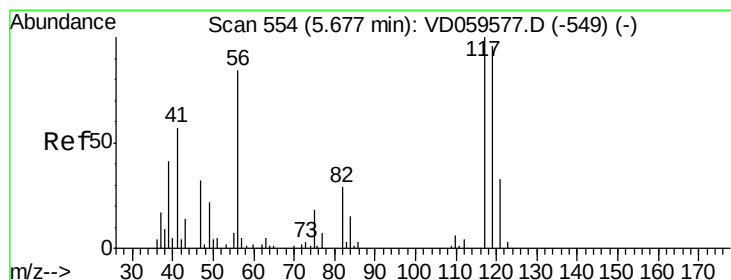
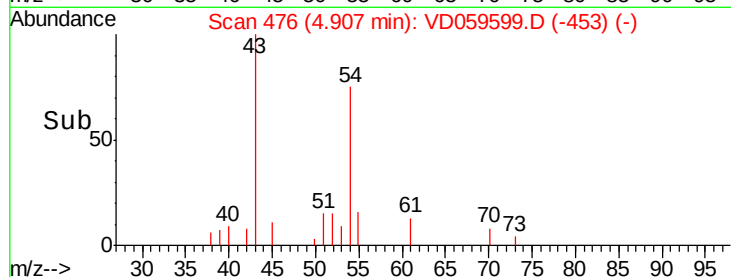
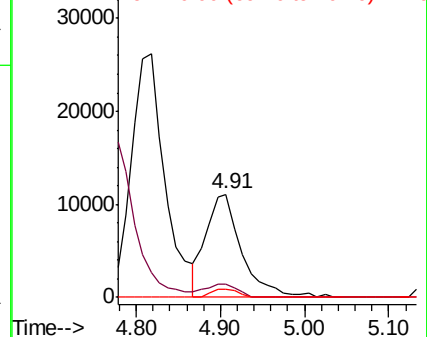
70 8.0 5.4 8.0



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: 44.07 ug/l

RT: 5.70 min Scan# 557

Delta R.T. 0.03 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

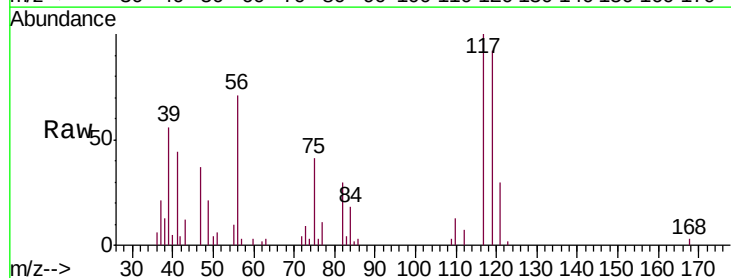
Tgt Ion: 117 Resp: 41681

Ion Ratio Lower Upper

117 100

119 92.0 73.6 110.4

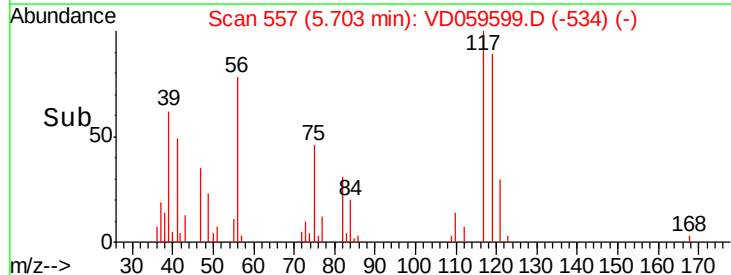
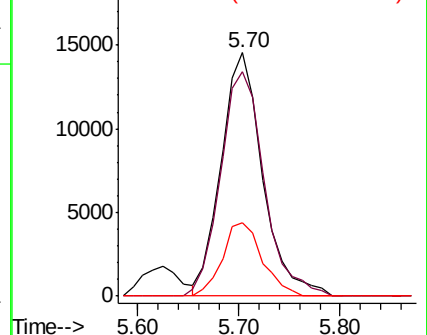
121 30.3 25.0 37.6

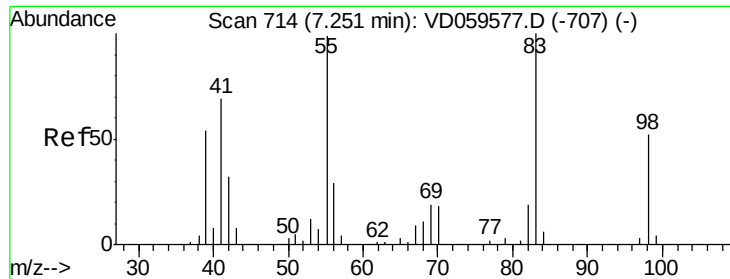


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

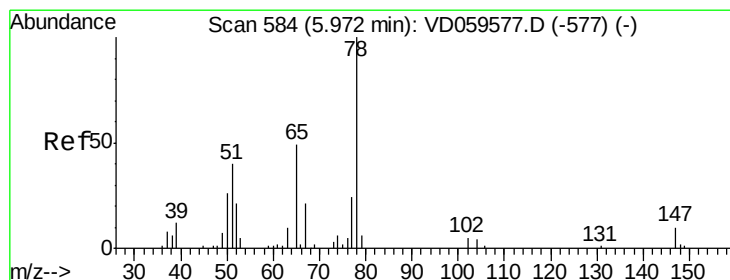
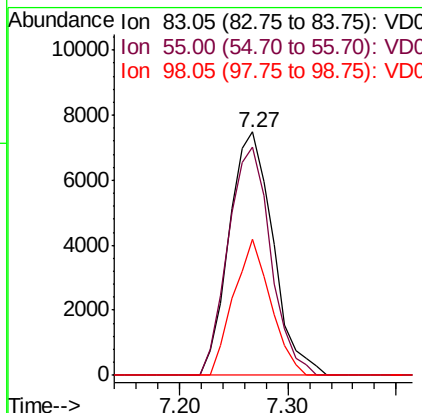
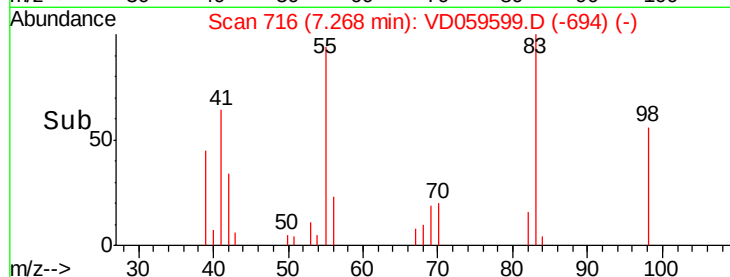
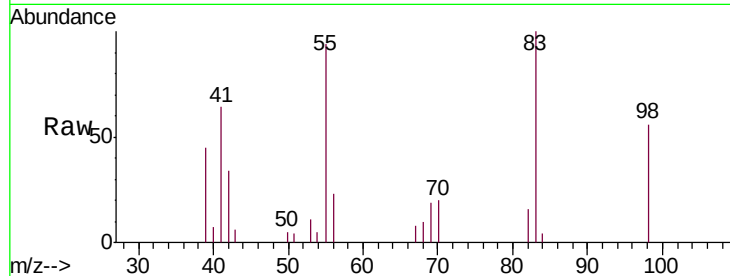




#39
Methylcyclohexane
Concen: 33.12 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

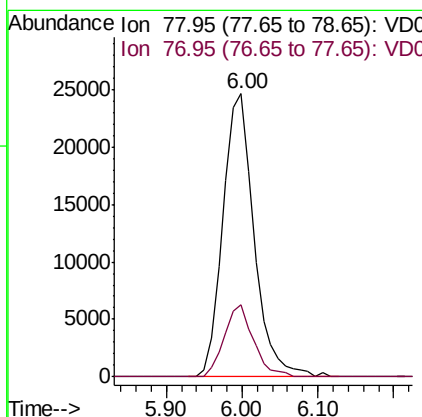
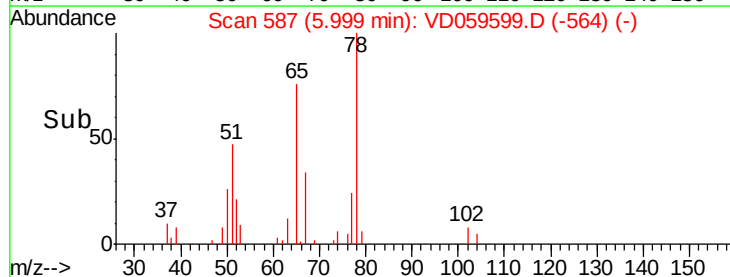
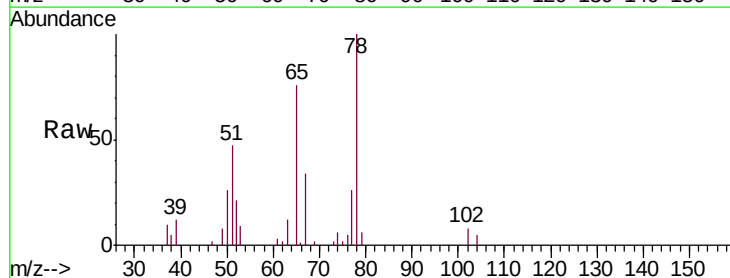
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

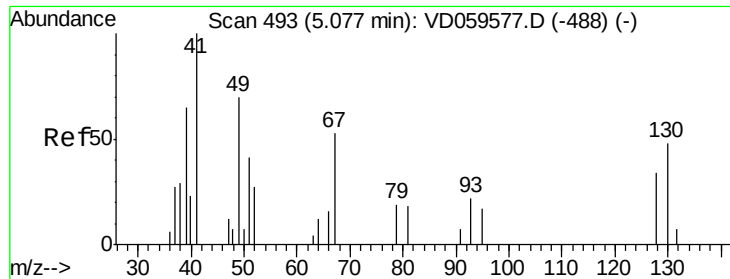
Tot Ion: 83 Resp: 21033
Ion Ratio Lower Upper
83 100
55 93.9 79.4 119.0
98 55.8 41.6 62.4



#40
Benzene
Concen: 49.61 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.03 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 78 Resp: 70259
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.6

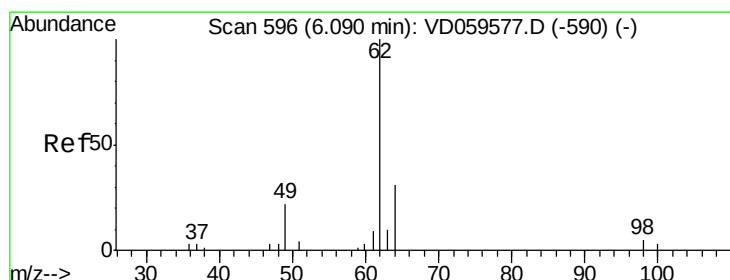
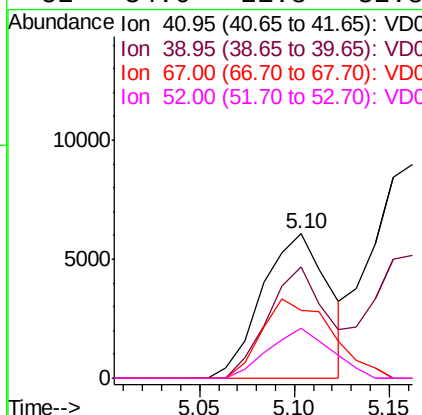
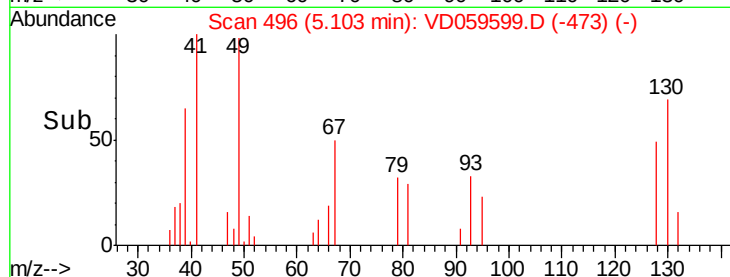
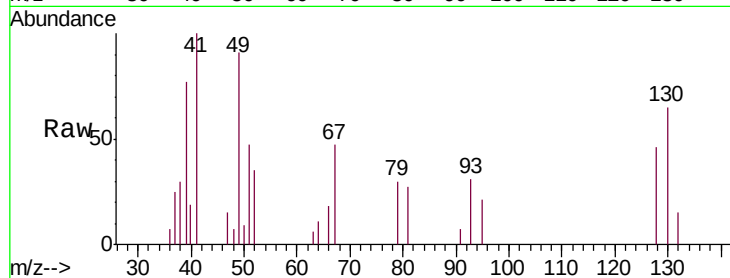




#41
Methacrylonitrile
Concen: 83.80 ug/l
RT: 5.10 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

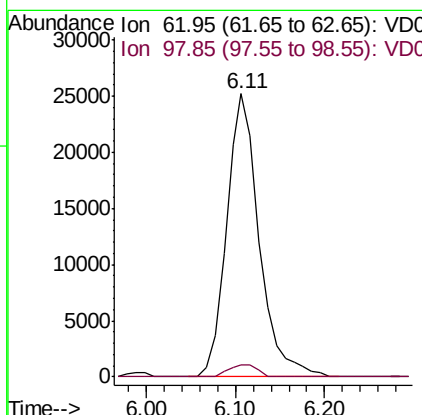
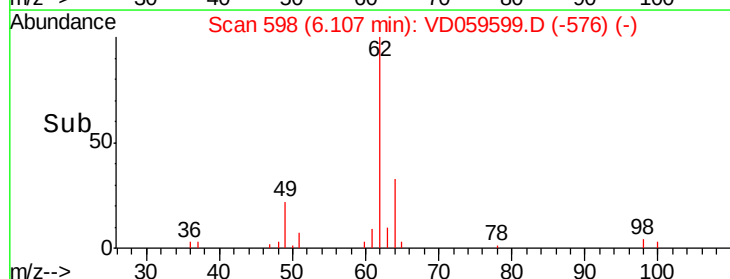
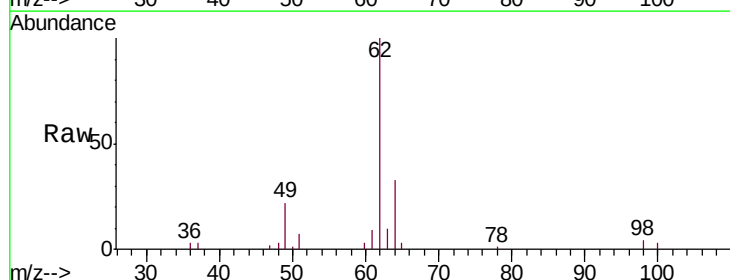
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

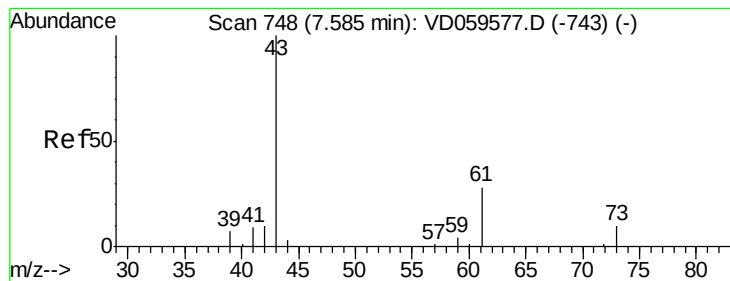
Tot Ion: 41 Resp: 14857
Ion Ratio Lower Upper
41 100
39 77.1 52.1 78.1
67 47.1 42.5 63.7
52 34.6 21.8 32.8#



#42
1,2-Dichloroethane
Concen: 75.16 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 62 Resp: 64140
Ion Ratio Lower Upper
62 100
98 4.5 0.0 10.2



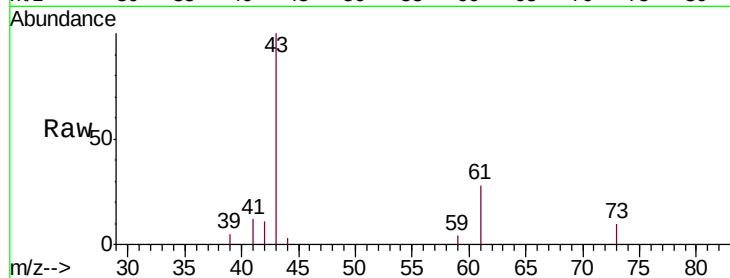


#43

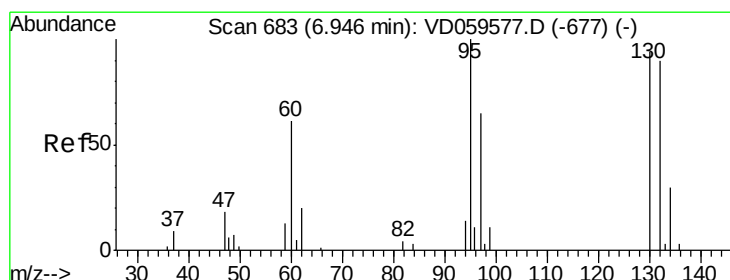
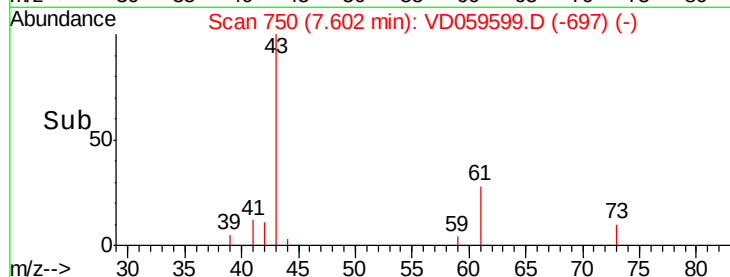
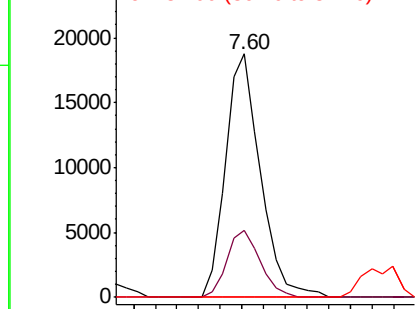
Isopropyl Acetate
 Concen: 85.25 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Tot Ion: 43 Resp: 41997
 Ion Ratio Lower Upper
 43 100
 61 27.7 22.0 33.0
 87 0.0 0.0 0.0



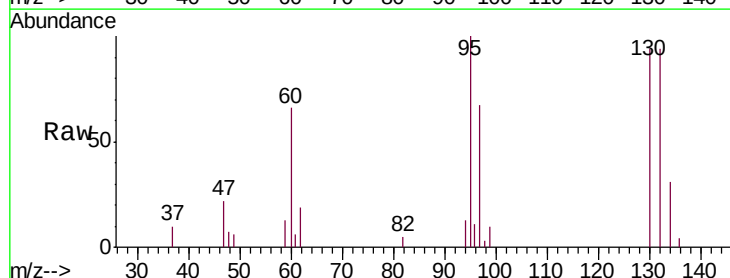
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



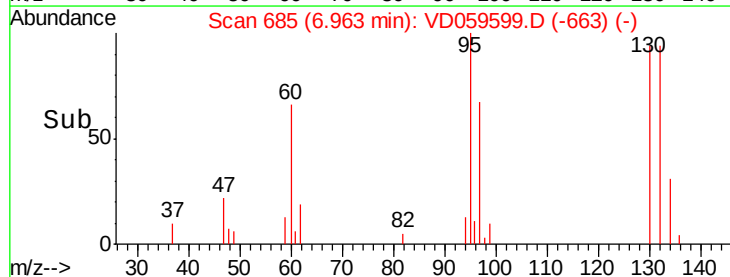
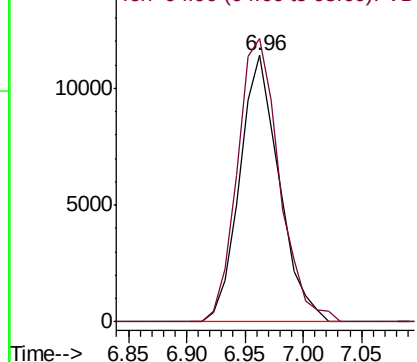
#44

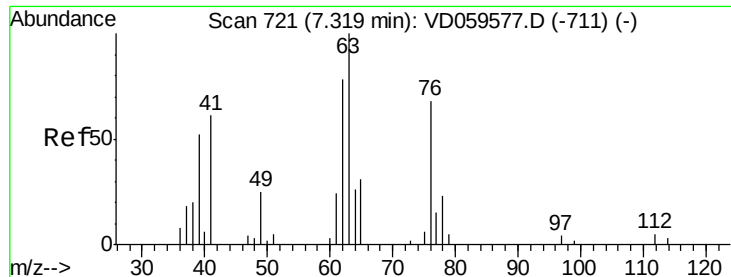
Trichloroethene
 Concen: 52.18 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. 0.02 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion: 130 Resp: 26808
 Ion Ratio Lower Upper
 130 100
 95 106.2 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 56.85 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

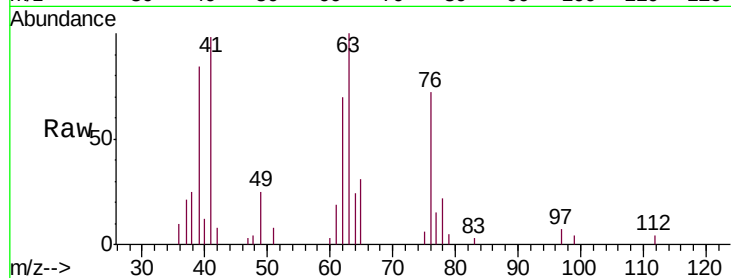
KY030LC006-S-180716MSD

Tot Ion: 63 Resp: 22547

Ion Ratio Lower Upper

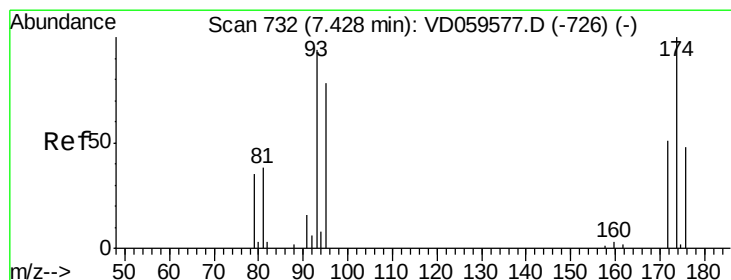
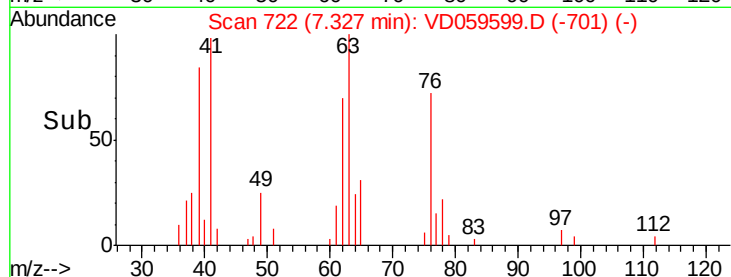
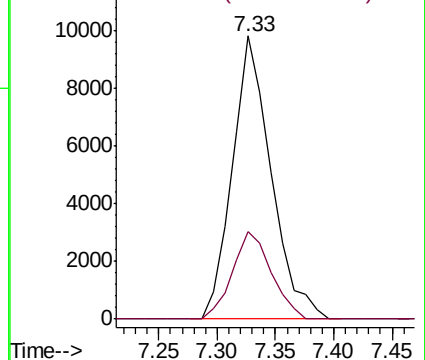
63 100

65 30.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 80.21 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

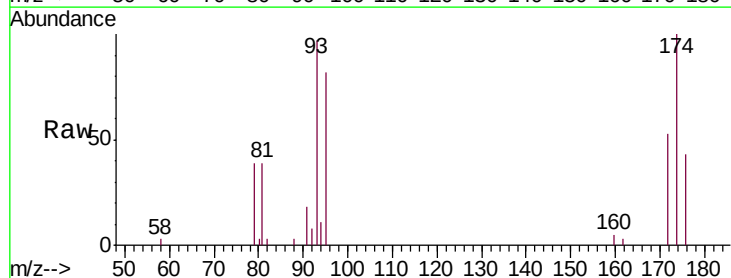
Tgt Ion: 93 Resp: 26891

Ion Ratio Lower Upper

93 100

95 84.6 65.8 98.8

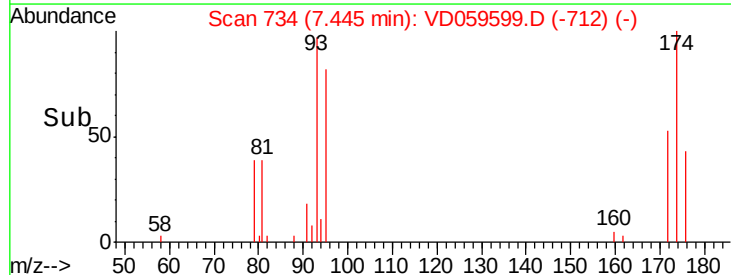
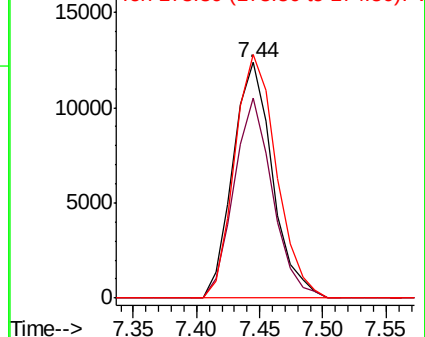
174 103.2 84.7 127.1

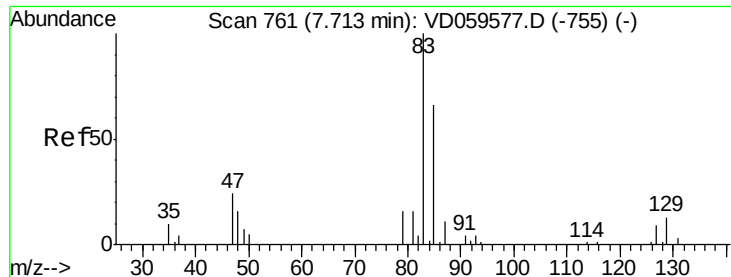


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 65.81 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

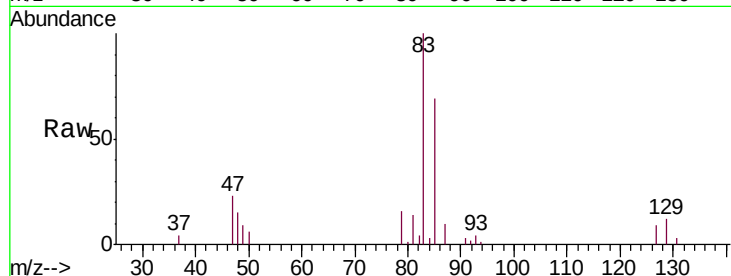
Tot Ion: 83 Resp: 52694

Ion Ratio Lower Upper

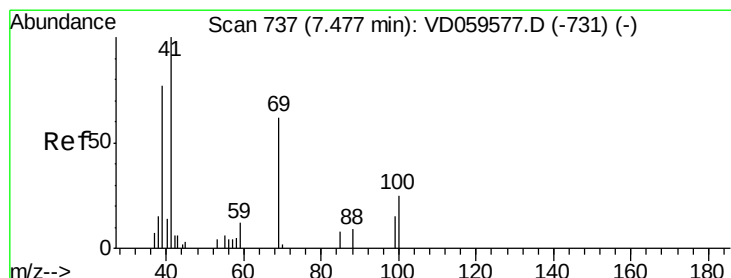
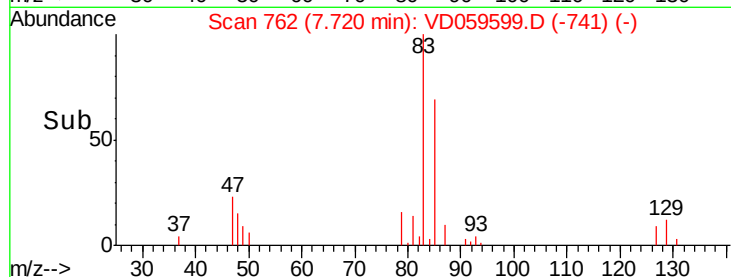
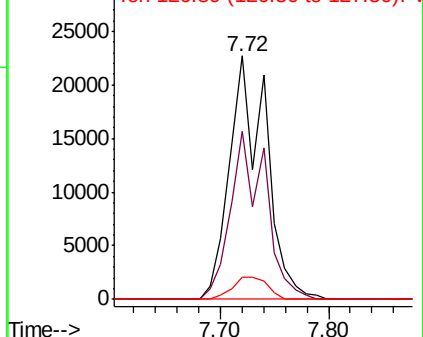
83 100

85 69.1 53.1 79.7

127 9.3 7.4 11.0



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: 88.40 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

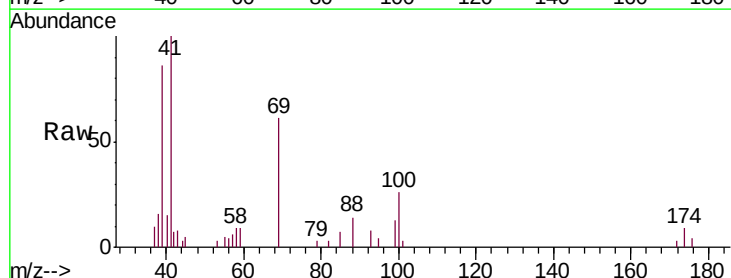
Tgt Ion: 41 Resp: 28883

Ion Ratio Lower Upper

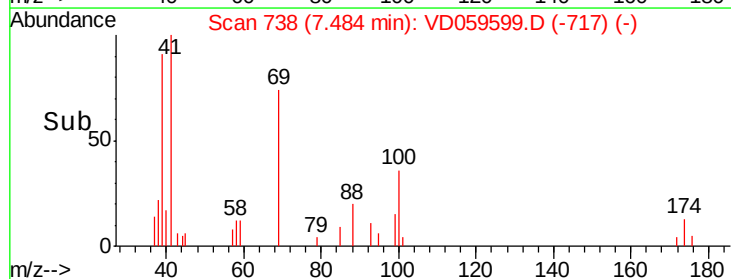
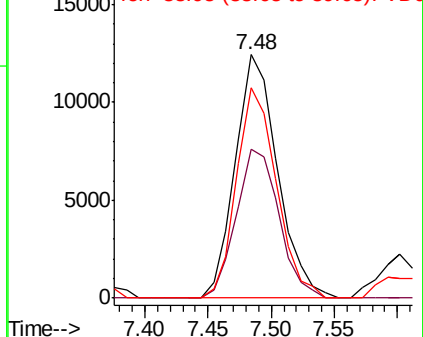
41 100

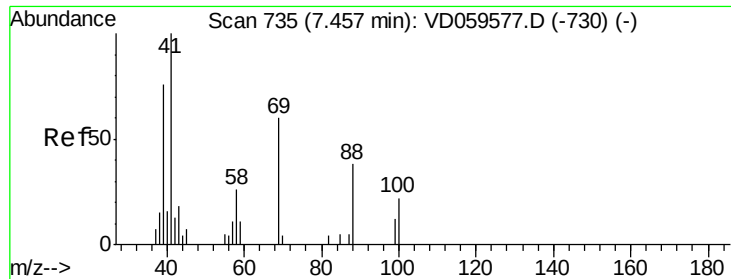
69 61.3 49.4 74.0

39 86.2 61.3 91.9



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

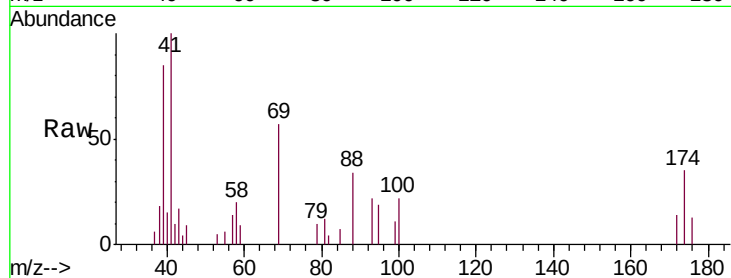




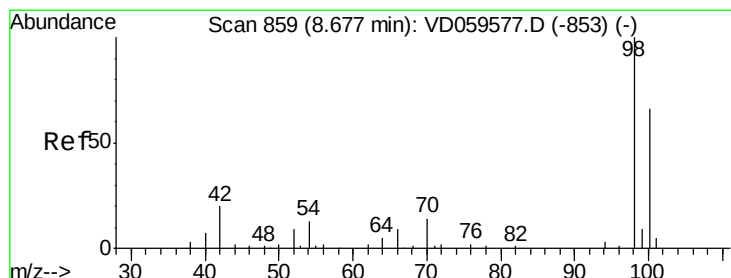
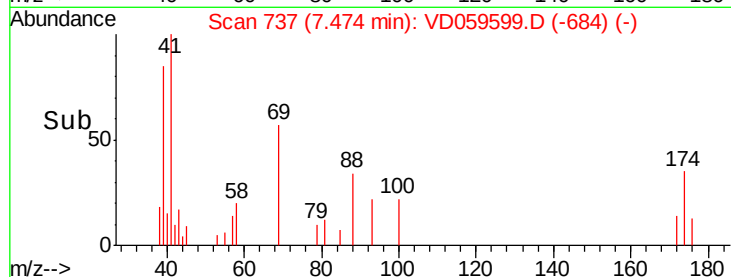
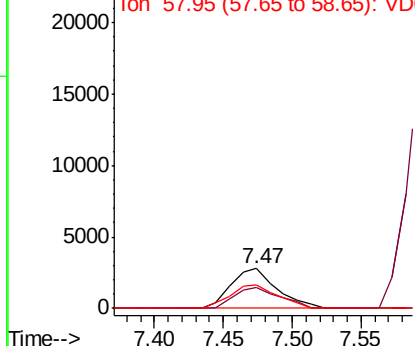
#49
1,4-Dioxane
Concen: 2071.09 ug/l
RT: 7.47 min Scan# 737
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Tot Ion: 88 Resp: 6404
Ion Ratio Lower Upper
88 100
43 51.3 37.4 56.2
58 59.1 55.6 83.4

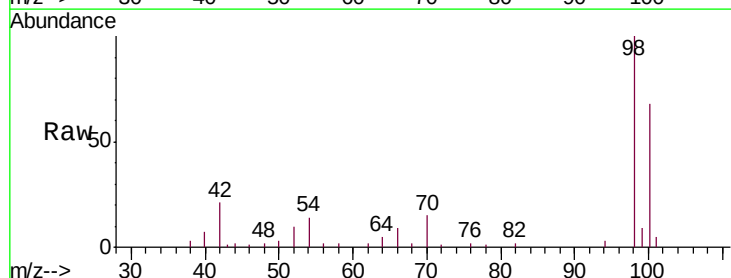


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

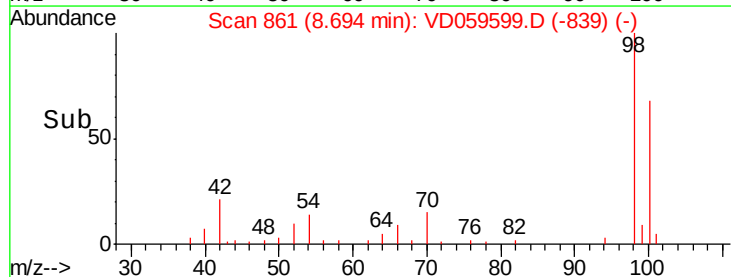
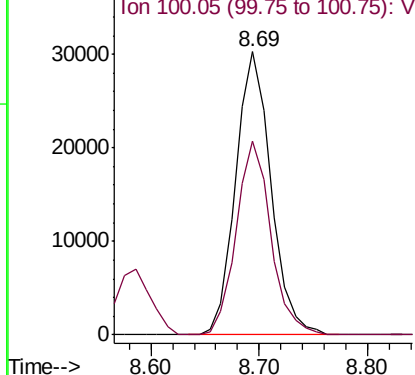


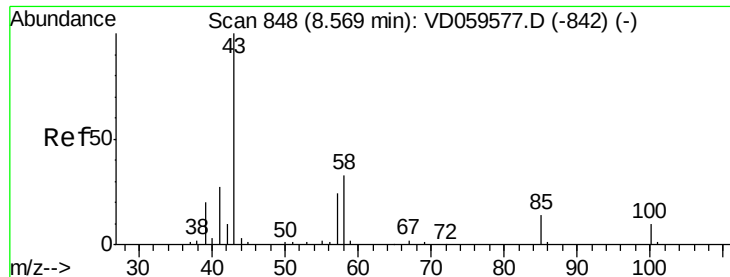
#50
Toluene-d8
Concen: 2071.09 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 98 Resp: 68575
Ion Ratio Lower Upper
98 100
100 68.5 53.2 79.8



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: 451.75 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

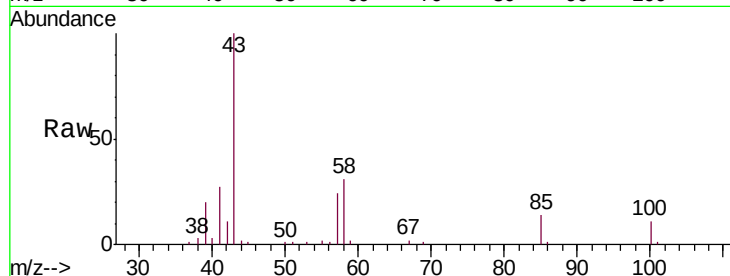
KY030LC006-S-180716MSD

Tot Ion: 43 Resp: 148619

Ion Ratio Lower Upper

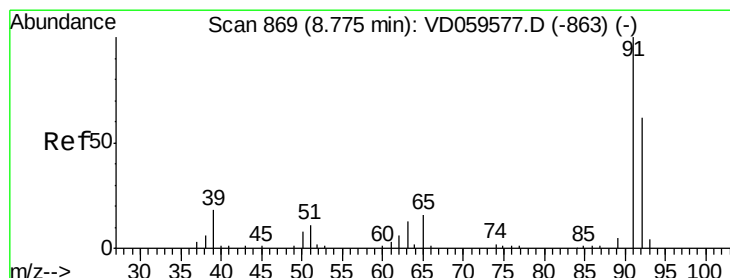
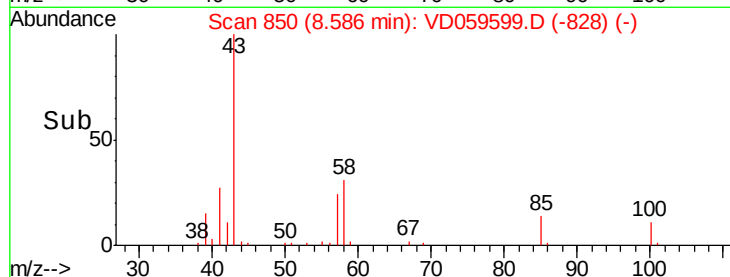
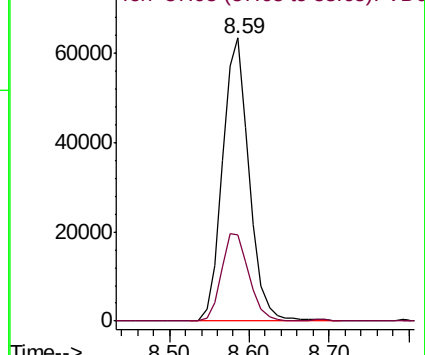
43 100

58 30.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.41 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059599.D

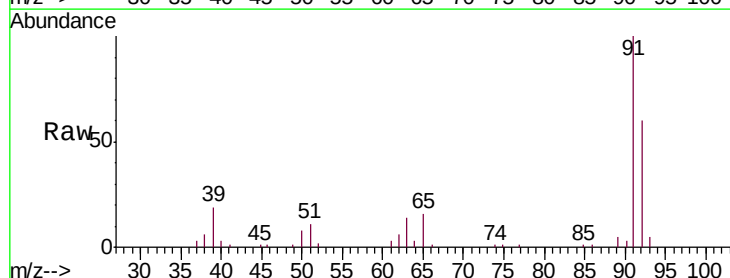
Acq: 25 Jul 2018 19:57

Tgt Ion: 92 Resp: 49223

Ion Ratio Lower Upper

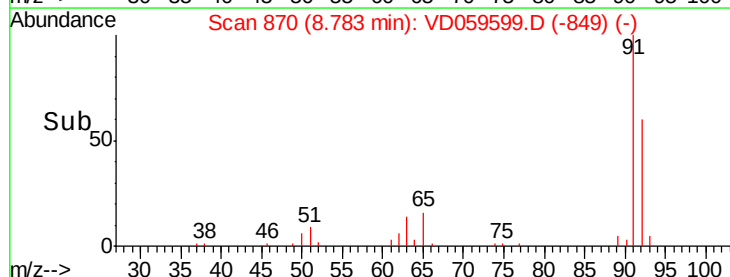
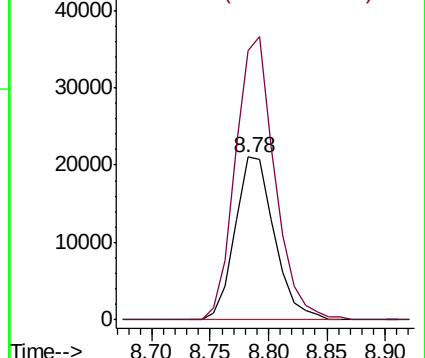
92 100

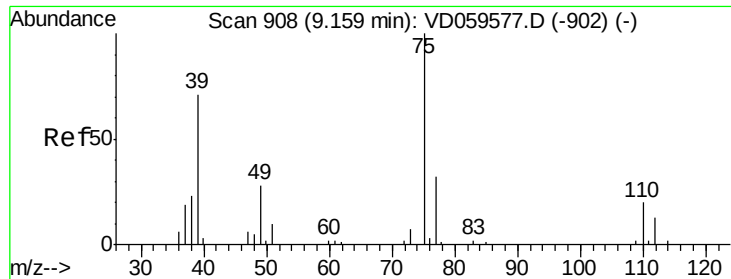
91 165.9 129.4 194.2



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: 69.86 ug/l

RT: 9.18 min Scan# 910

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

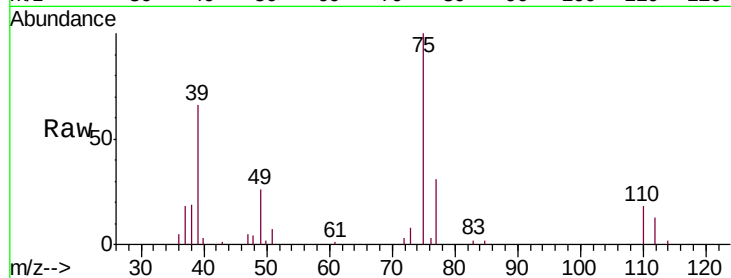
KY030LC006-S-180716MSD

Tot Ion: 75 Resp: 50454

Ion Ratio Lower Upper

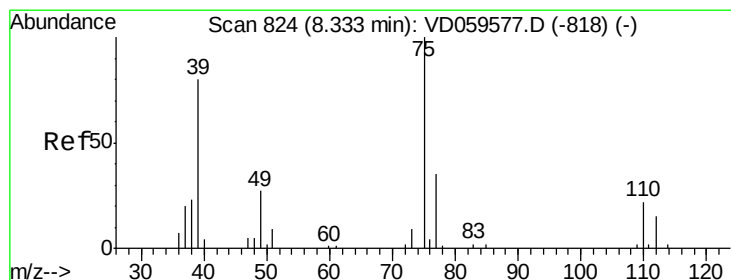
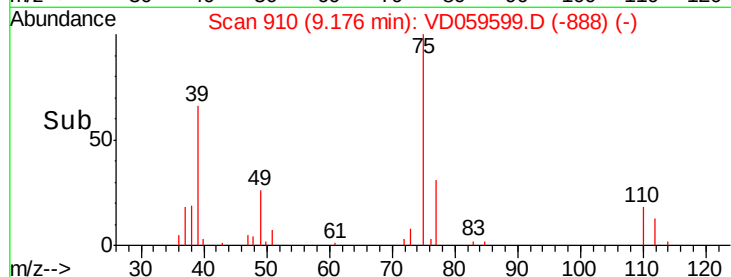
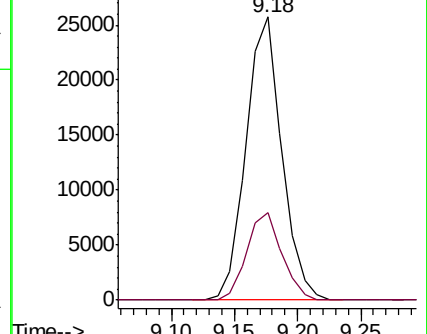
75 100

77 30.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 65.71 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

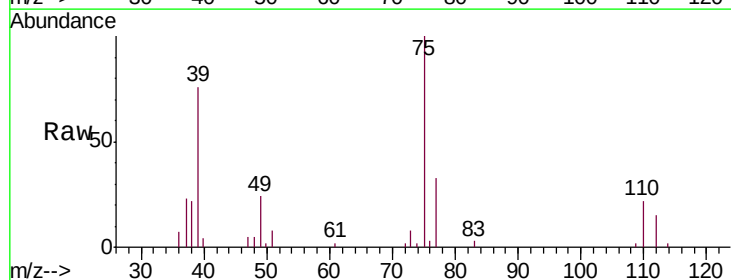
Tgt Ion: 75 Resp: 47127

Ion Ratio Lower Upper

75 100

77 33.3 27.7 41.5

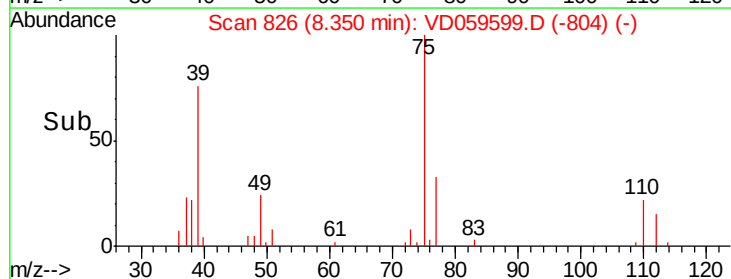
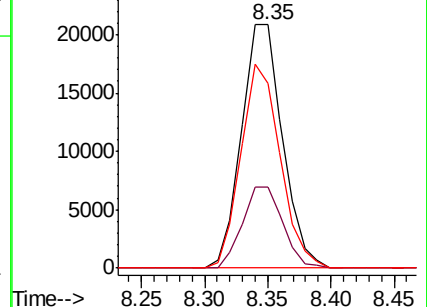
39 76.0 63.8 95.8

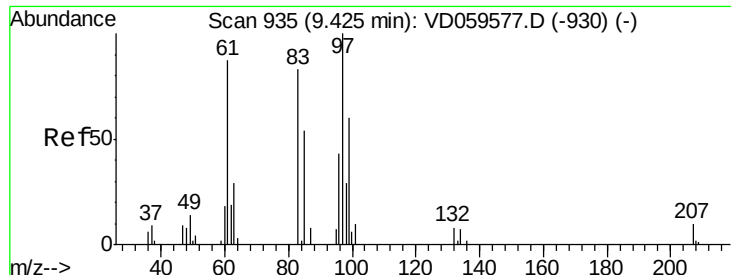


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 73.12 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

Tot Ion: 97 Resp: 25800

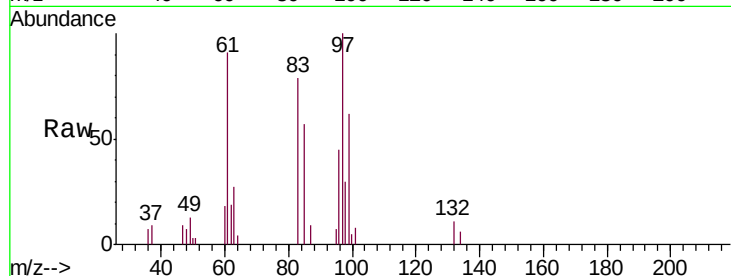
Ion Ratio Lower Upper

97 100

83 79.4 66.3 99.5

85 57.3 43.0 64.6

99 61.6 47.7 71.5

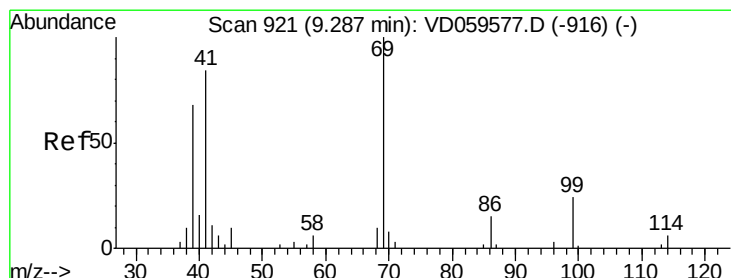
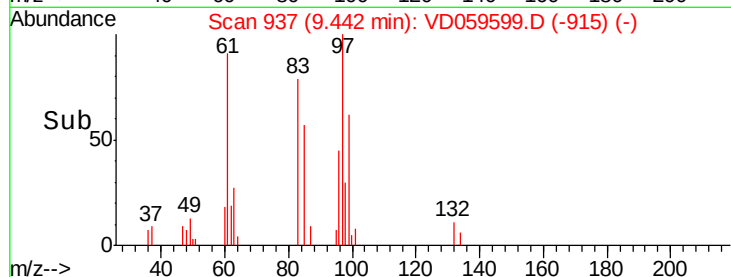
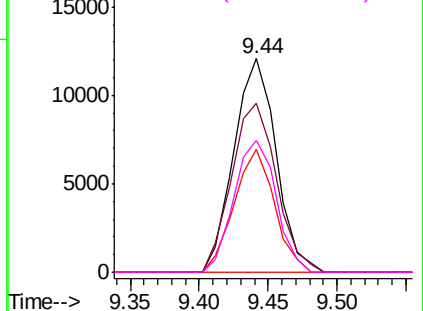


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 83.97 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

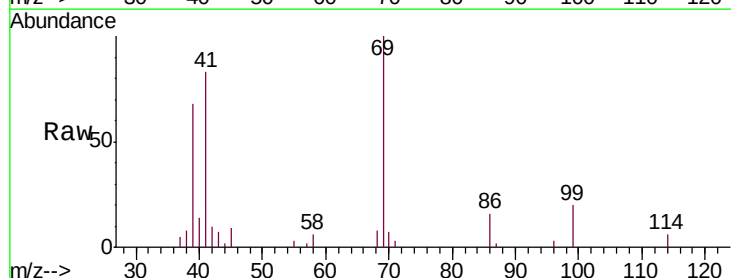
Tgt Ion: 69 Resp: 33614

Ion Ratio Lower Upper

69 100

41 83.1 66.8 100.2

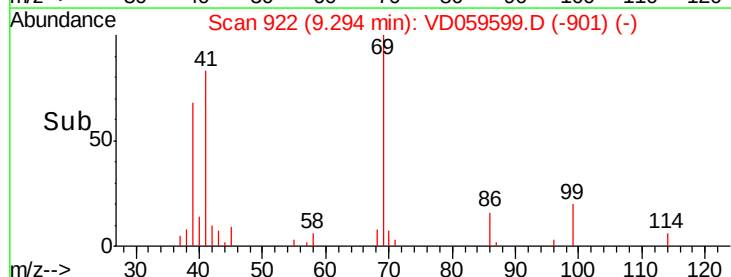
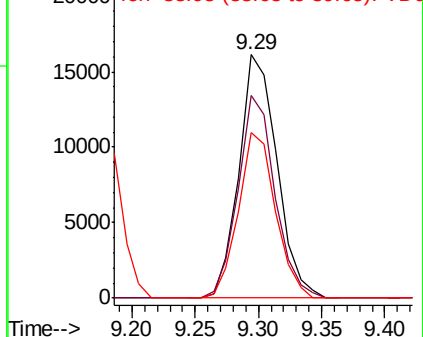
39 68.2 54.7 82.1

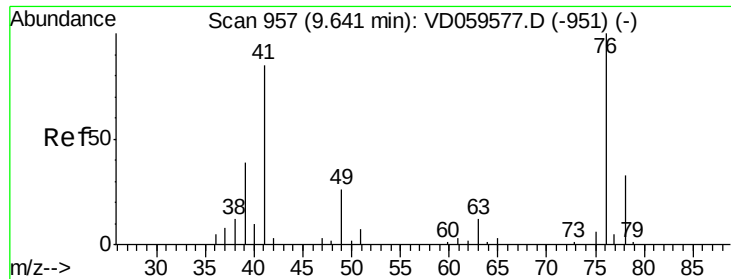


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 70.95 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

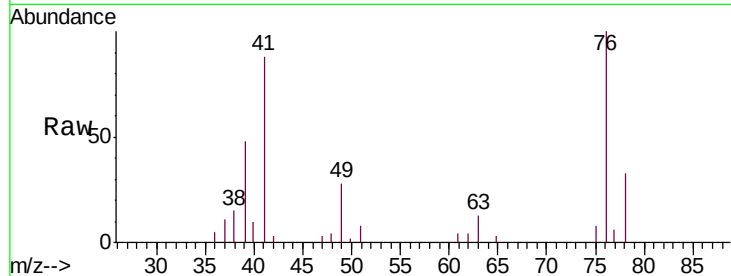
KY030LC006-S-180716MSD

Tot Ion: 76 Resp: 39777

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.65

20000

15000

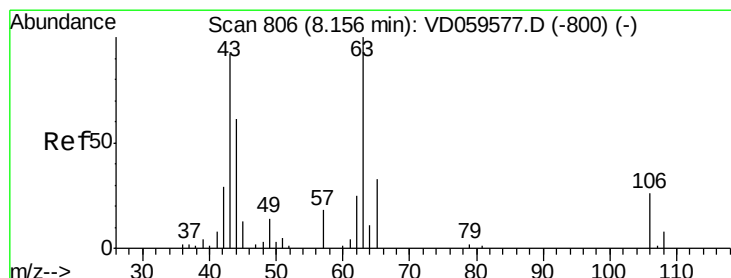
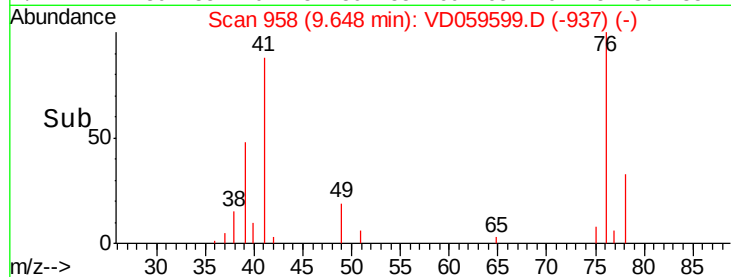
10000

5000

0

9.55 9.60 9.65 9.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 403.48 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059599.D

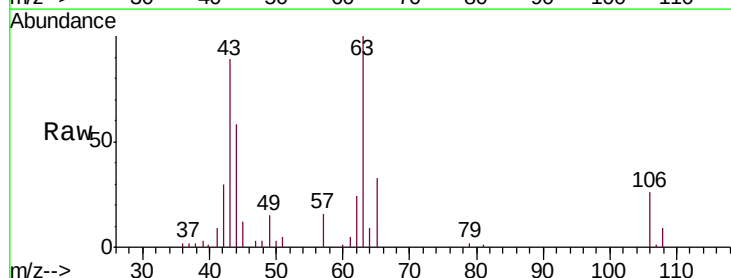
Acq: 25 Jul 2018 19:57

Tgt Ion: 63 Resp: 75894

Ion Ratio Lower Upper

63 100

106 25.7 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.17

40000

30000

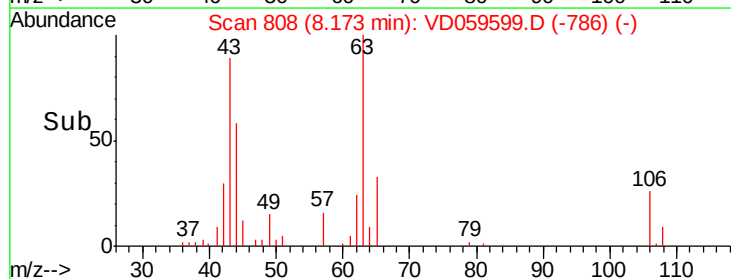
20000

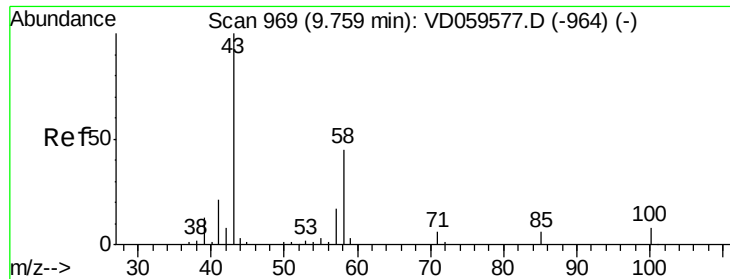
10000

0

8.10 8.20 8.30

Time-->

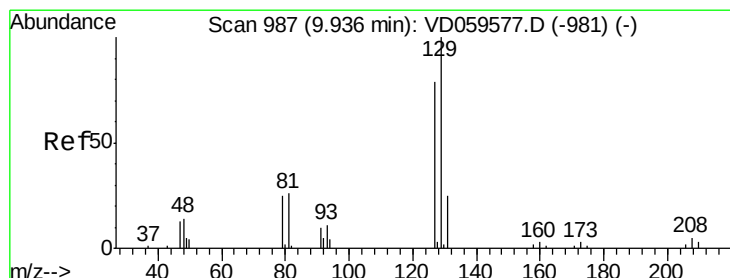
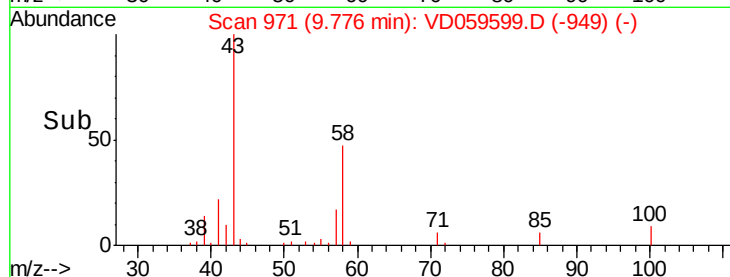
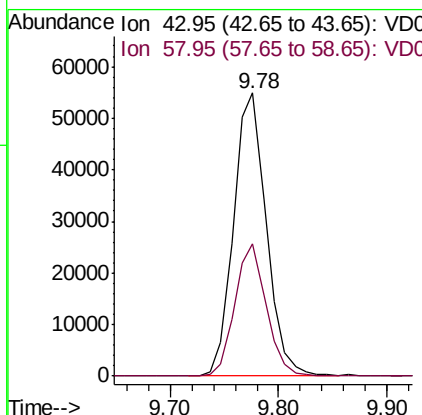
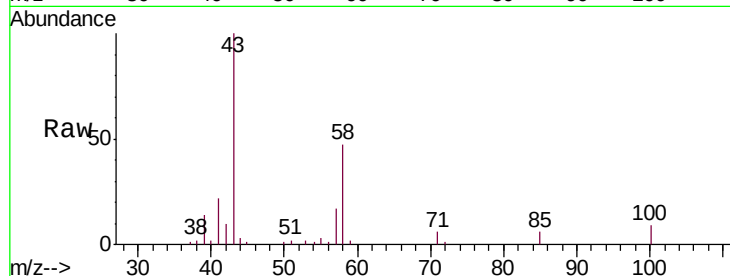




#59
2-Hexanone
Concen: 439.44 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

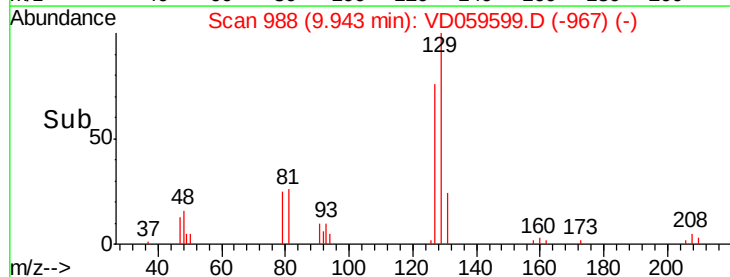
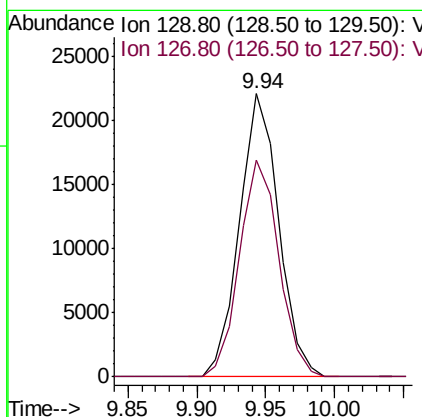
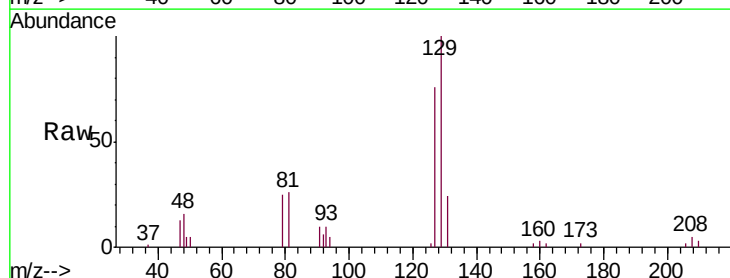
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

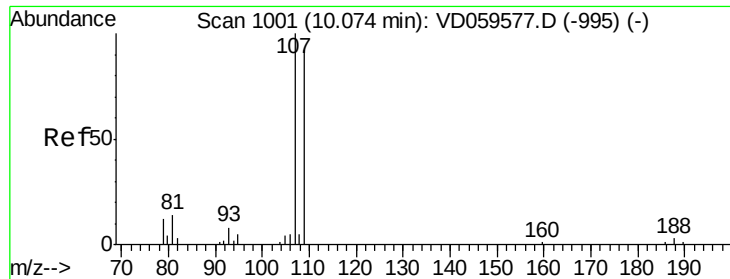
Tot Ion: 43 Resp: 114830
Ion Ratio Lower Upper
43 100
58 46.8 22.7 68.1



#60
Dibromochloromethane
Concen: 74.86 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion:129 Resp: 43851
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 75.98 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

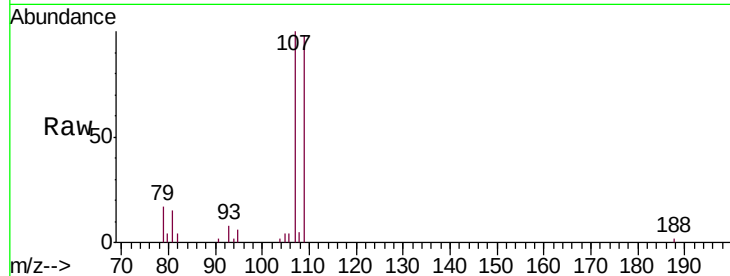
KY030LC006-S-180716MSD

Tot Ion:107 Resp: 31768

Ion Ratio Lower Upper

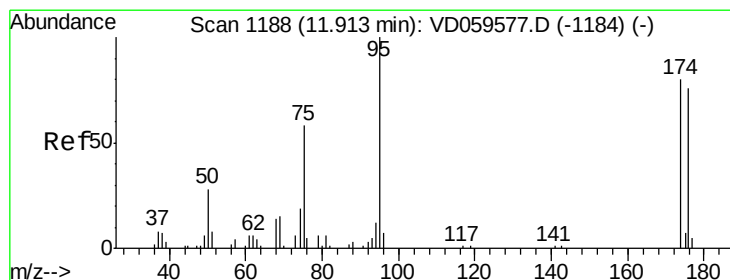
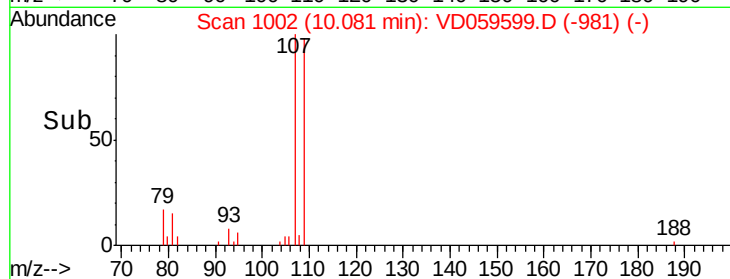
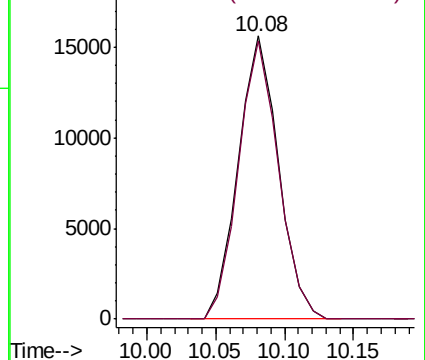
107 100

109 98.1 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 75.98 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

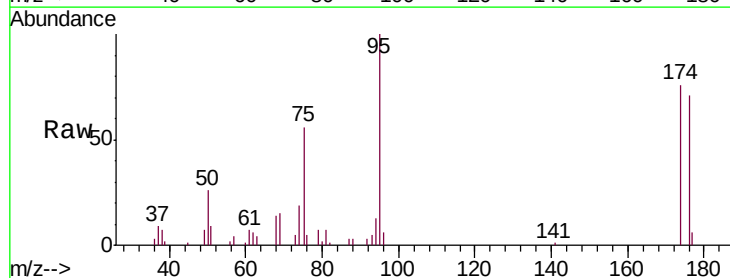
Tgt Ion: 95 Resp: 36175

Ion Ratio Lower Upper

95 100

174 75.9 0.0 160.6

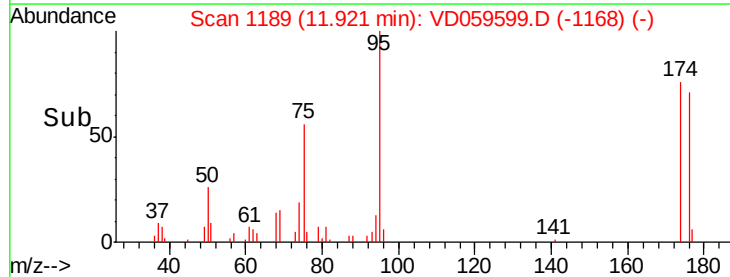
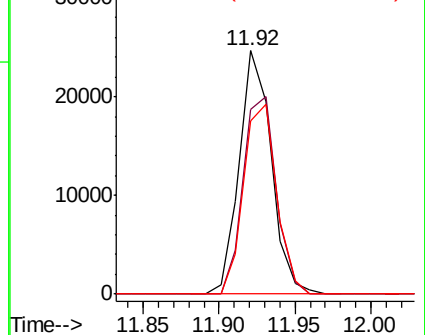
176 71.0 0.0 152.8

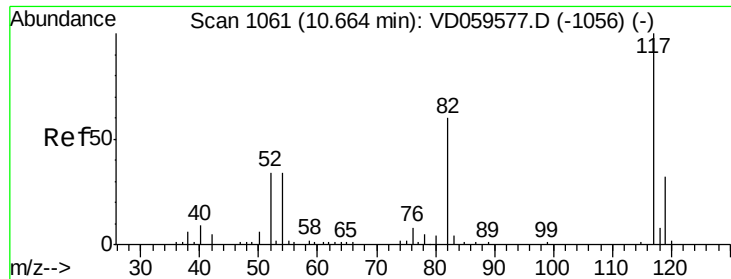


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

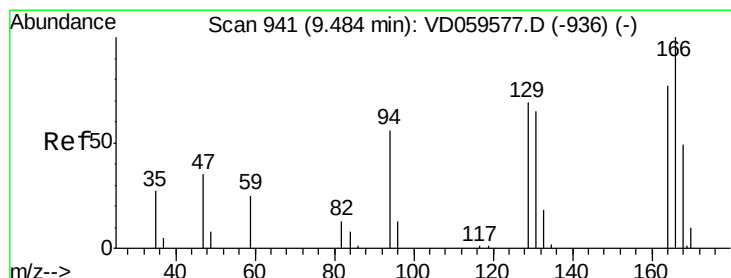
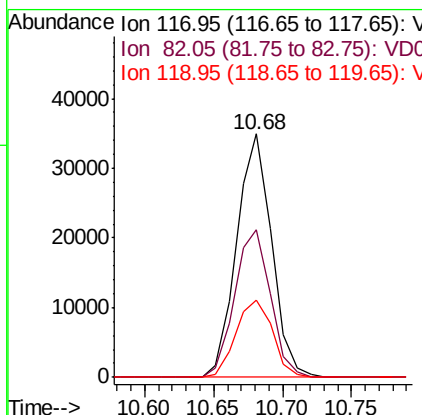
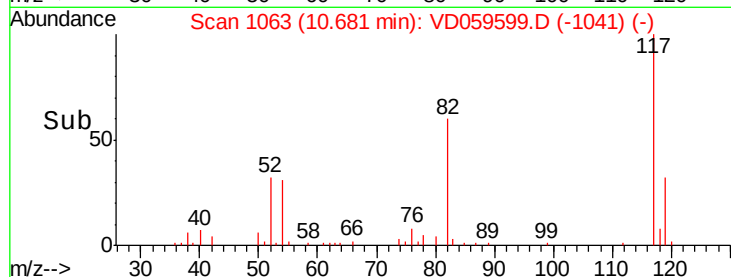
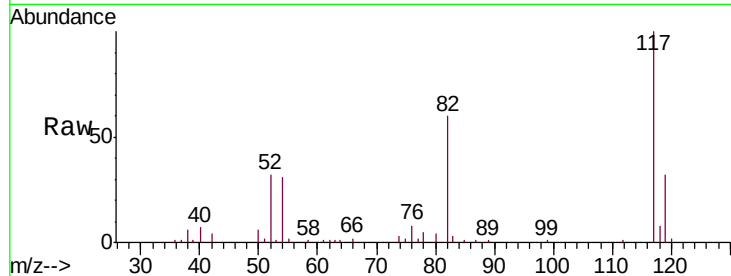




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

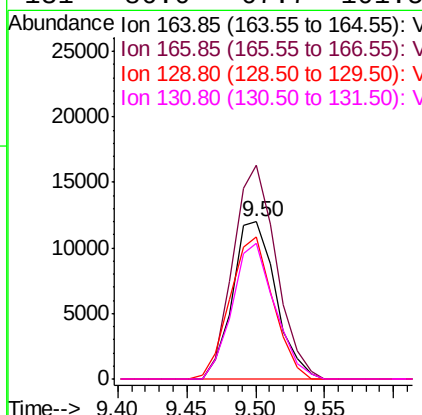
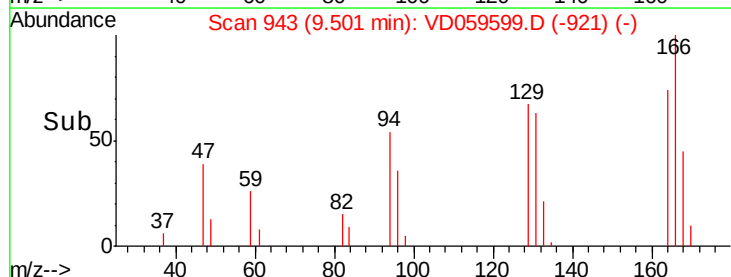
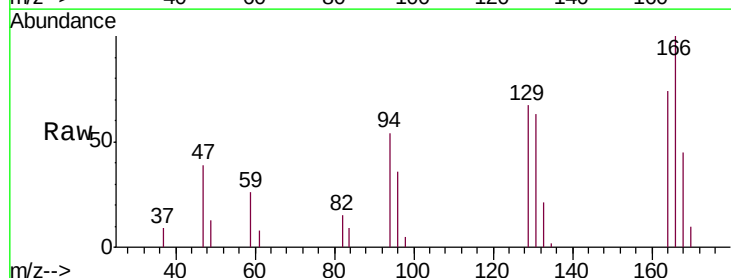
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

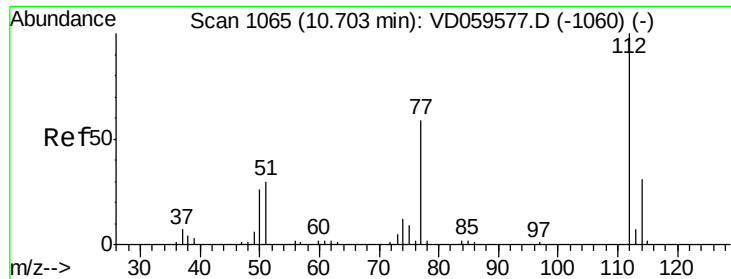
Tot Ion:117 Resp: 61742
Ion Ratio Lower Upper
117 100
82 60.5 48.2 72.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 46.93 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion:164 Resp: 26256
Ion Ratio Lower Upper
164 100
166 135.7 104.0 156.0
129 90.5 72.2 108.4
131 86.0 67.7 101.5

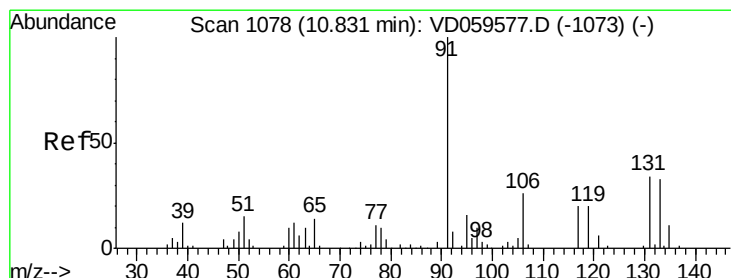
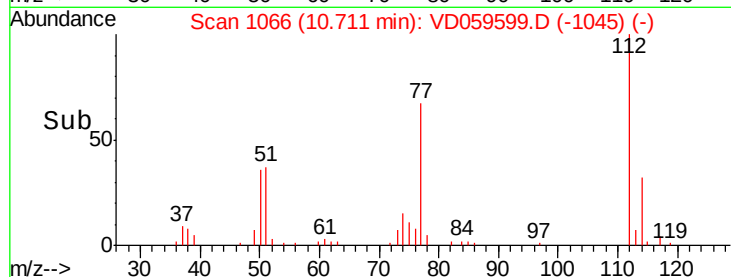
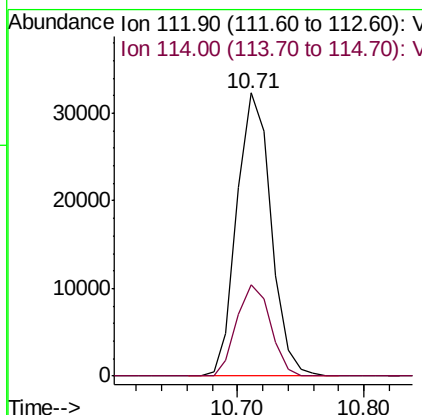
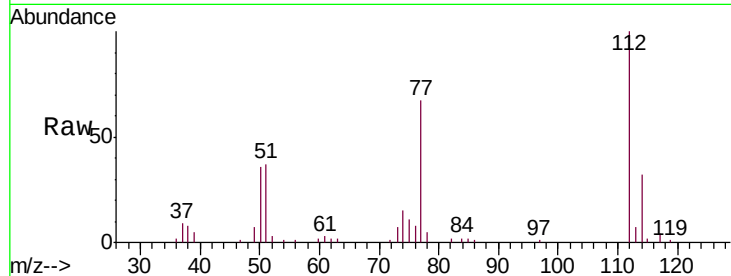




#65
Chlorobenzene
Concen: 47.90 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

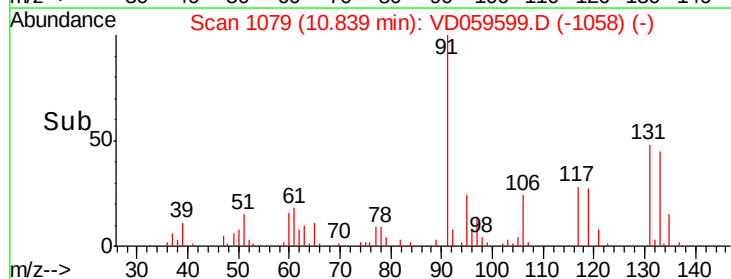
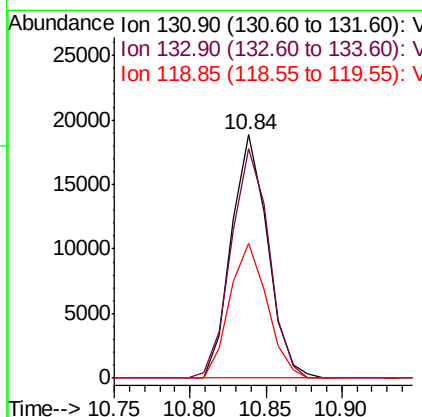
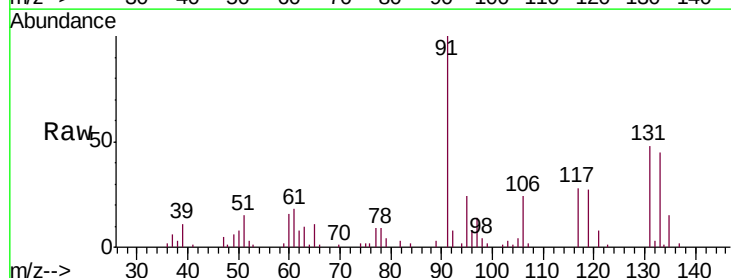
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

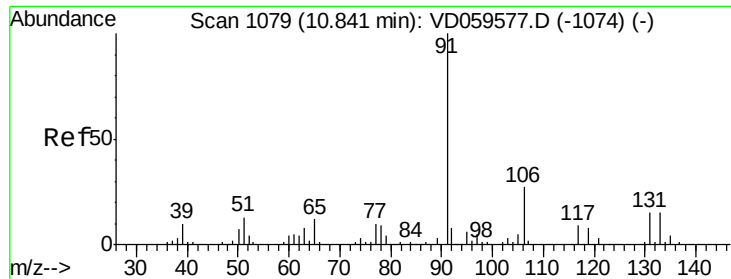
Tot Ion:112 Resp: 60623
Ion Ratio Lower Upper
112 100
114 32.1 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 57.01 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion:131 Resp: 31386
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.7
119 55.3 28.7 86.1

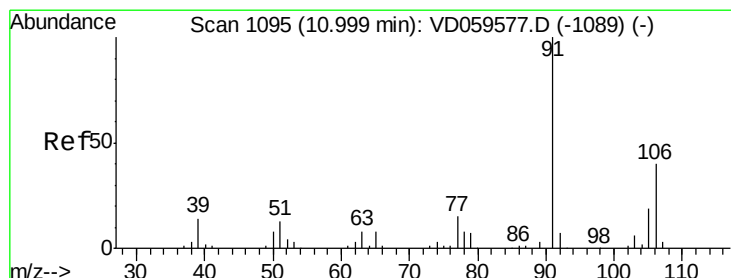
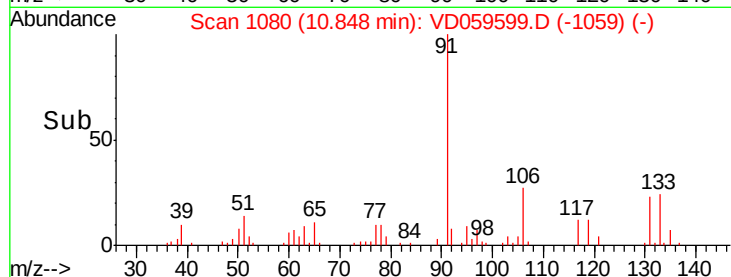
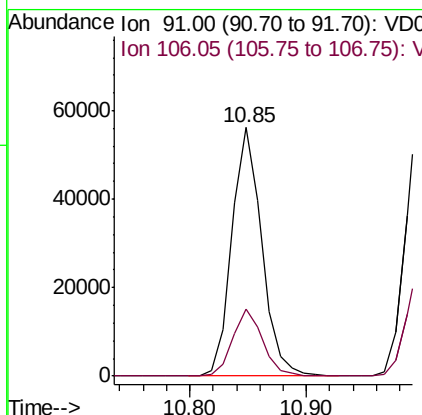
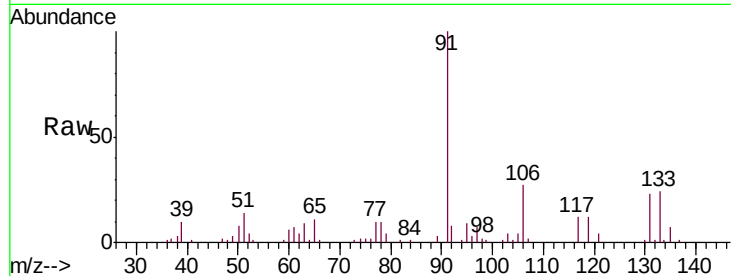




#67
Ethyl Benzene
Concen: 45.72 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

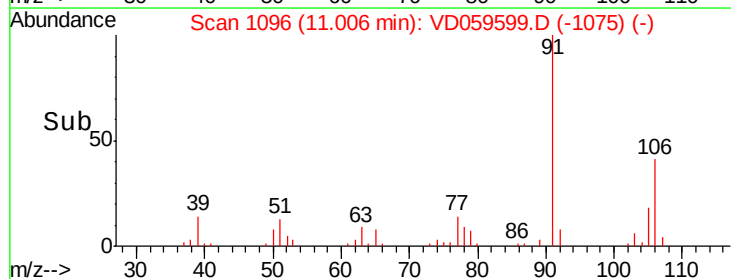
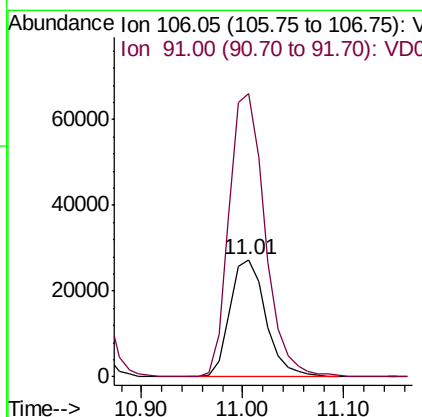
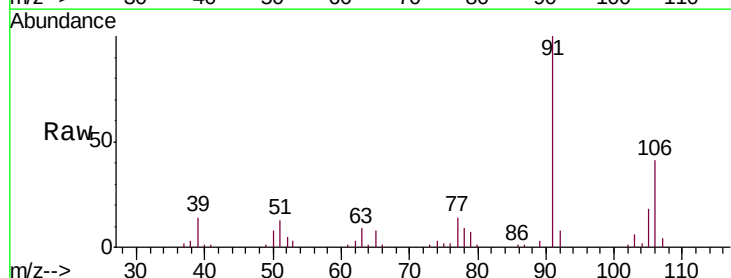
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

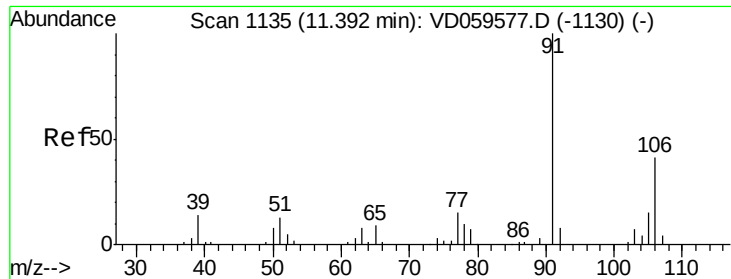
Tot Ion: 91 Resp: 99482
Ion Ratio Lower Upper
91 100
106 26.9 21.6 32.4



#68
m/p-Xylenes
Concen: 92.44 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 106 Resp: 67172
Ion Ratio Lower Upper
106 100
91 241.4 198.2 297.4

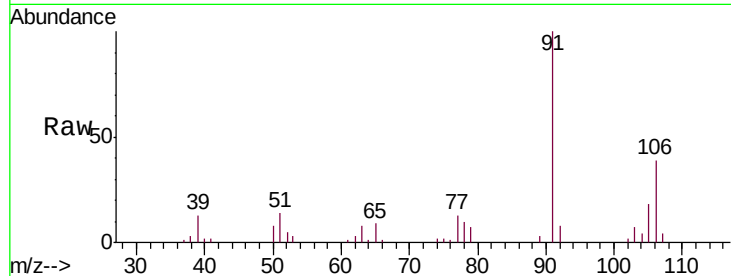




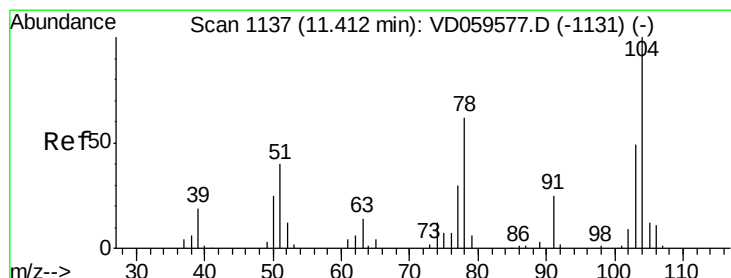
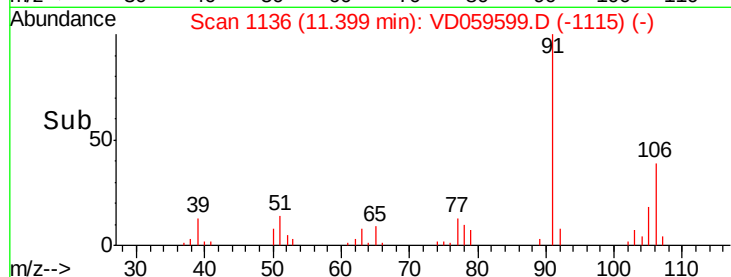
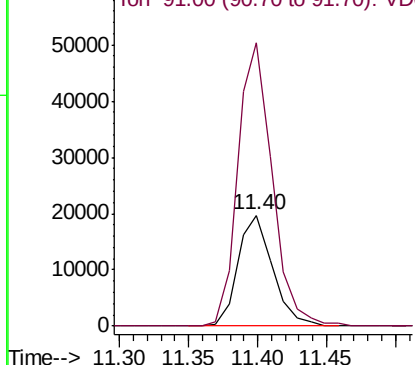
#69
o-Xylene
Concen: 48.95 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Tot Ion:106 Resp: 34513
Ion Ratio Lower Upper
106 100
91 254.9 122.7 368.1

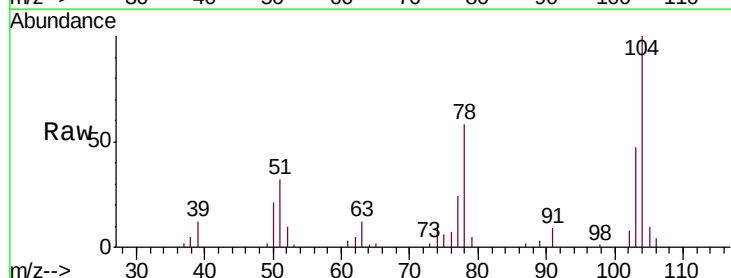


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

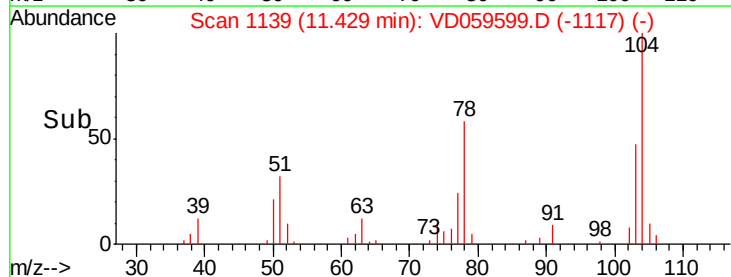
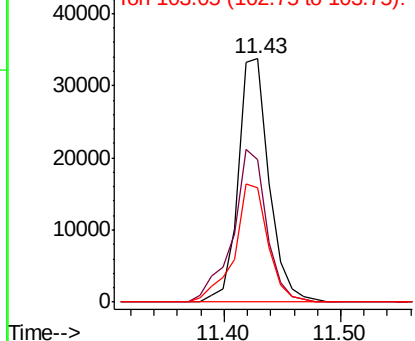


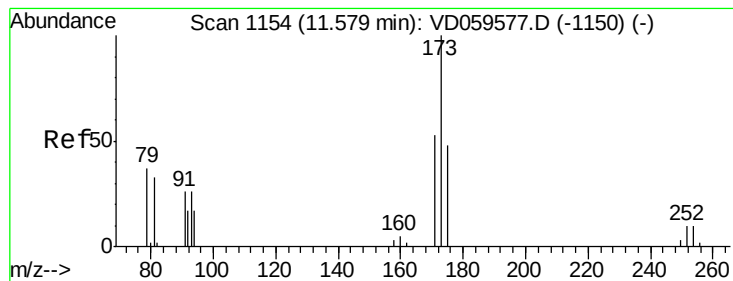
#70
Styrene
Concen: 52.98 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion:104 Resp: 61935
Ion Ratio Lower Upper
104 100
78 58.4 49.4 74.0
103 46.9 39.0 58.6



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





#71

Bromoform

Concen: 71.91 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

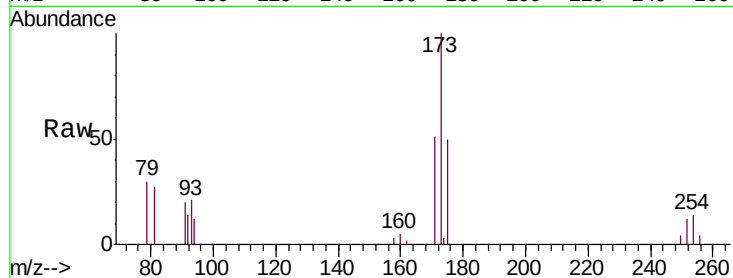
Tot Ion:173 Resp: 32237

Ion Ratio Lower Upper

173 100

175 49.9 23.8 71.4

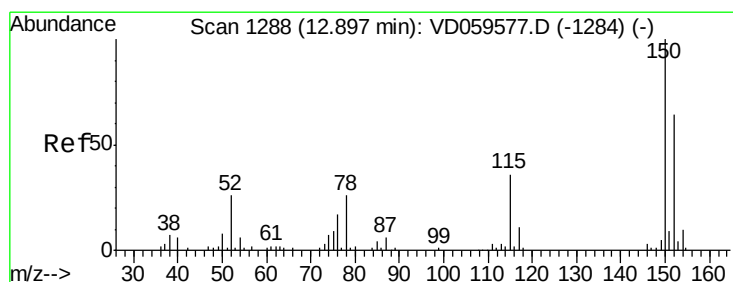
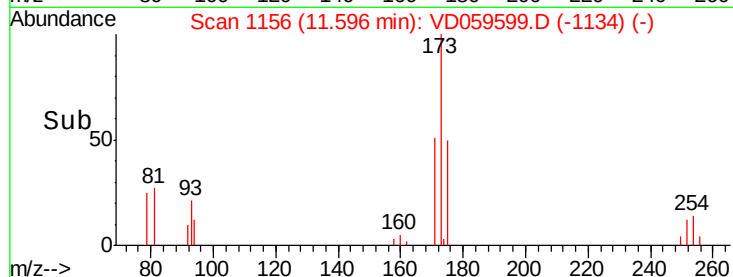
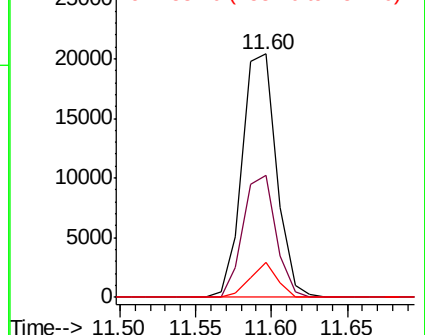
254 14.4 7.8 11.6#



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. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

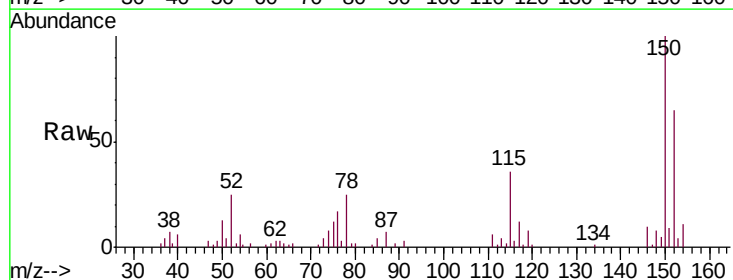
Tgt Ion:152 Resp: 31675

Ion Ratio Lower Upper

152 100

115 56.1 29.5 88.6

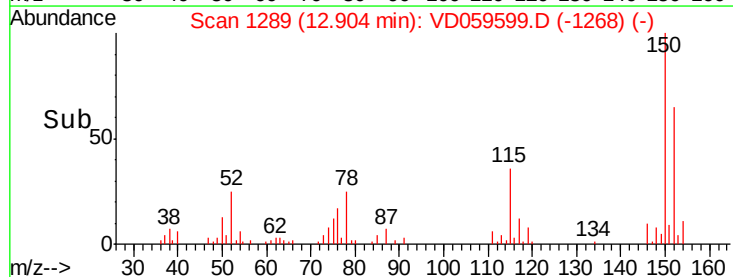
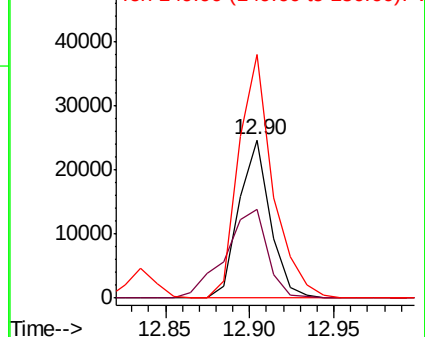
150 154.1 0.0 314.4

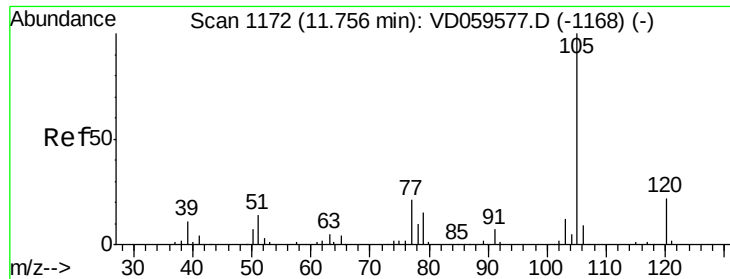


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 39.53 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

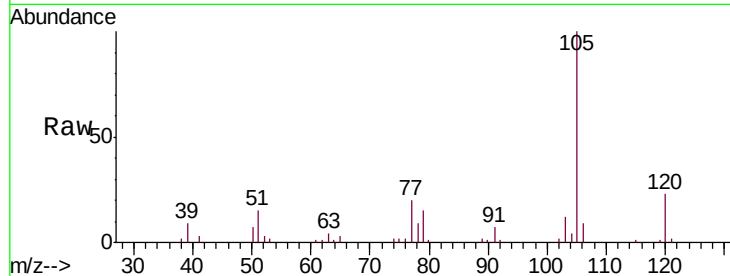
KY030LC006-S-180716MSD

Tot Ion:105 Resp: 88463

Ion Ratio Lower Upper

105 100

120 22.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

60000

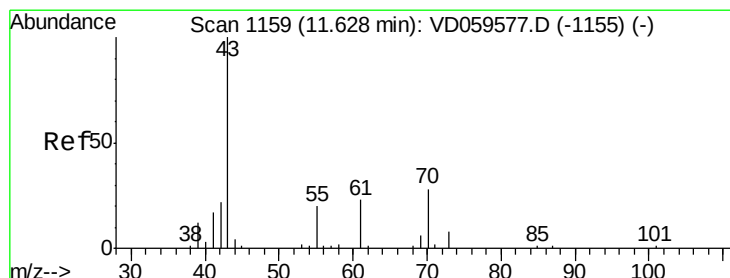
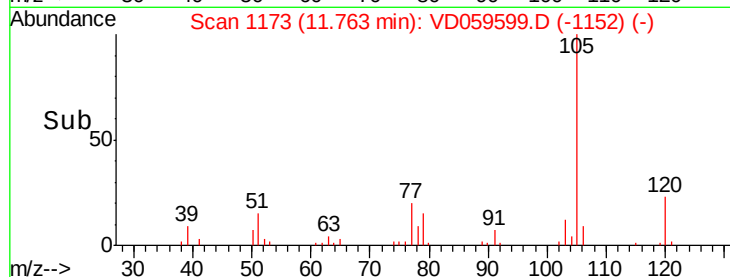
40000

20000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 60.97 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Tgt Ion: 43 Resp: 46745

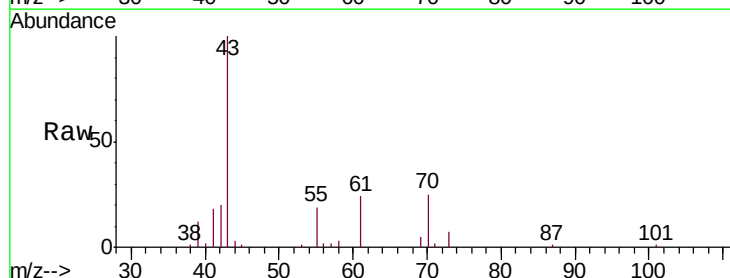
Ion Ratio Lower Upper

43 100

70 25.4 22.0 33.0

55 18.9 16.2 24.2

61 23.7 18.6 27.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

50000

40000

30000

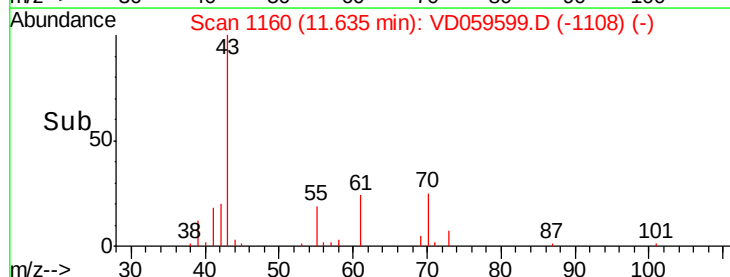
20000

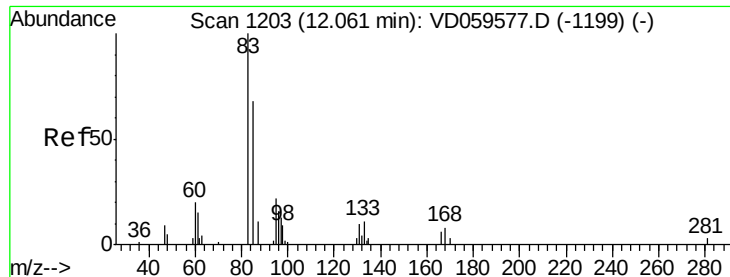
10000

0

Time-->

11.55 11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 76.22 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

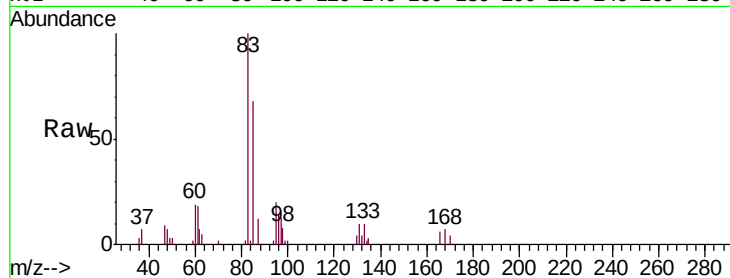
Tot Ion: 83 Resp: 34822

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

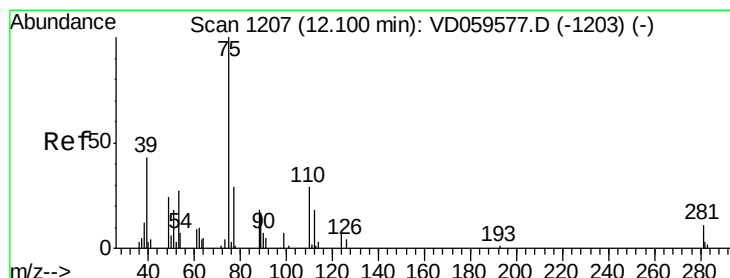
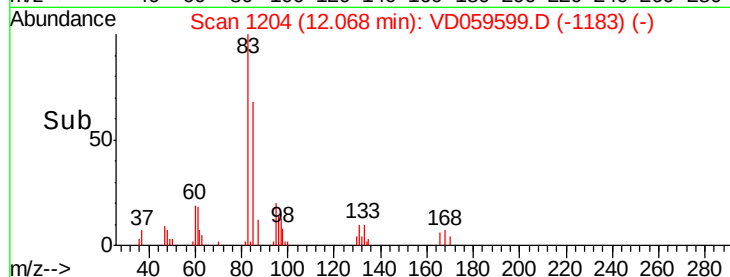
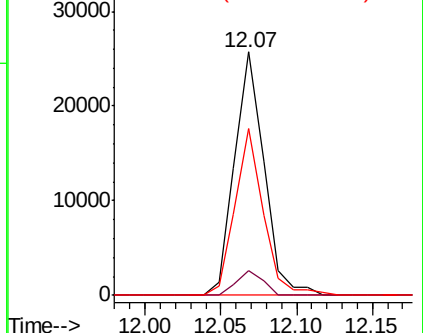
85 68.4 34.1 102.3



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: 76.09 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059599.D

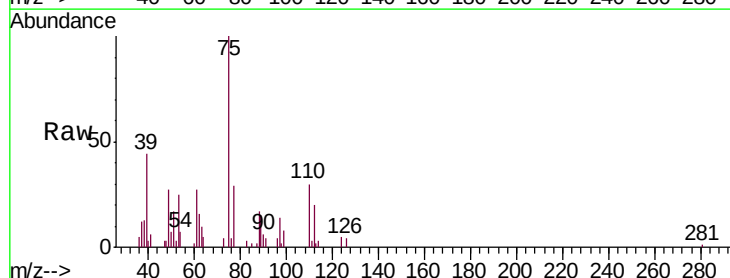
Acq: 25 Jul 2018 19:57

Tgt Ion: 75 Resp: 39857

Ion Ratio Lower Upper

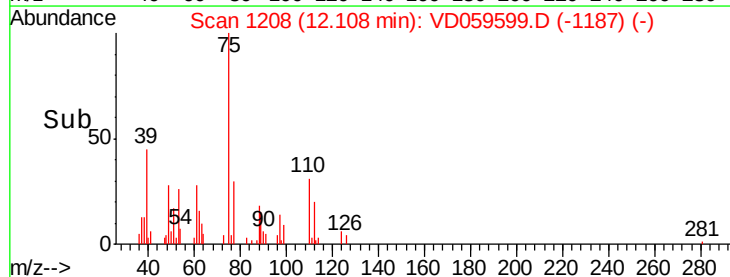
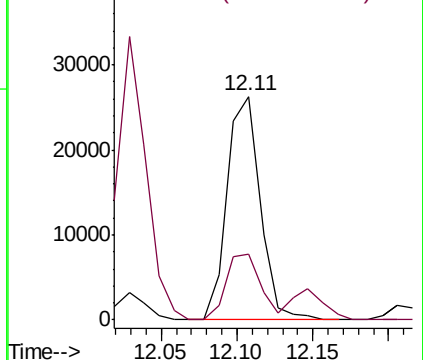
75 100

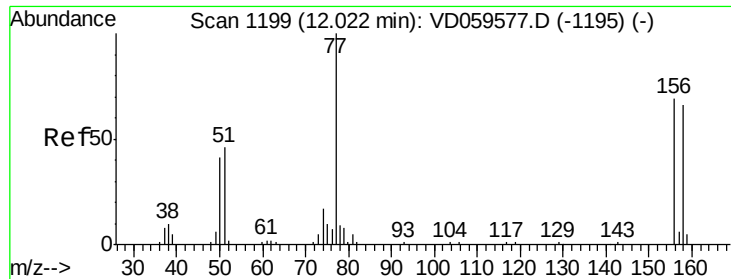
77 29.4 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.54 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

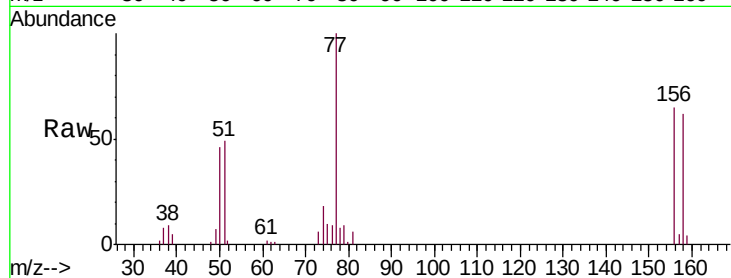
Tot Ion:156 Resp: 33107

Ion Ratio Lower Upper

156 100

77 154.9 72.4 217.2

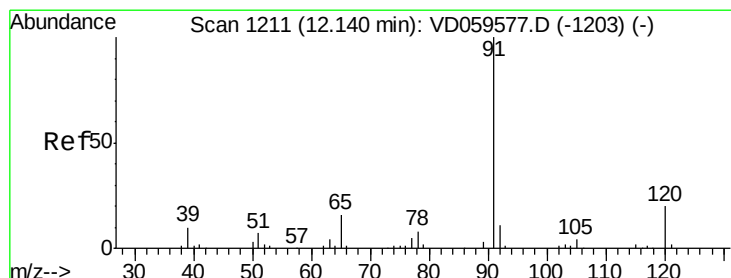
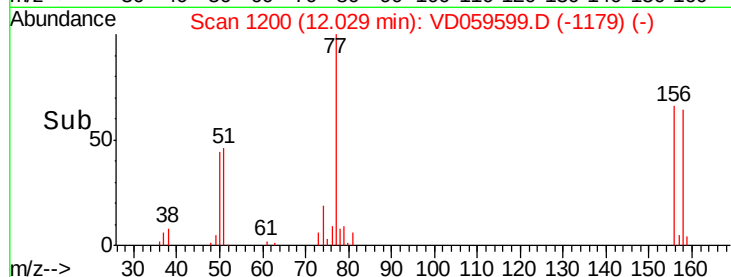
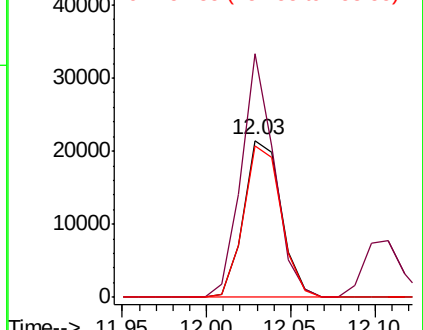
158 96.2 48.0 144.2



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: 41.50 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059599.D

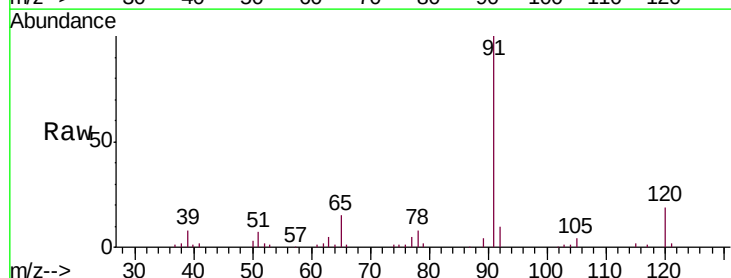
Acq: 25 Jul 2018 19:57

Tgt Ion: 91 Resp: 112821

Ion Ratio Lower Upper

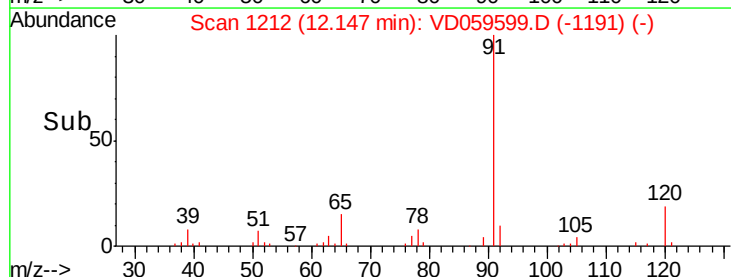
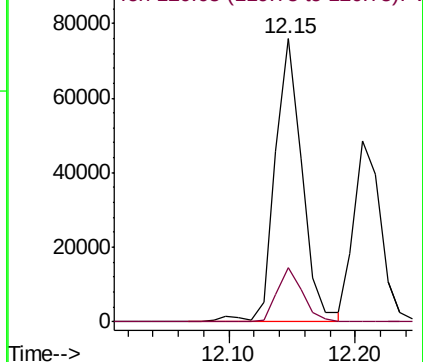
91 100

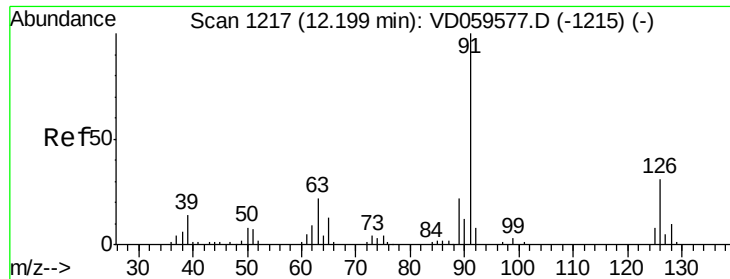
120 19.0 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

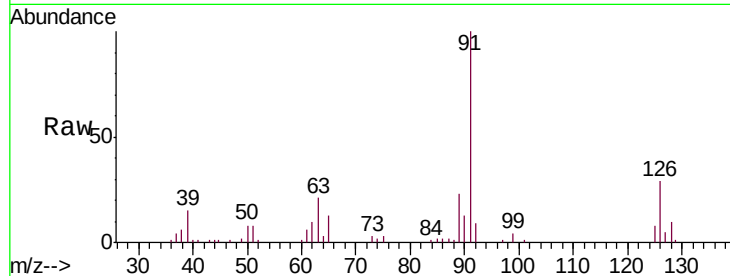




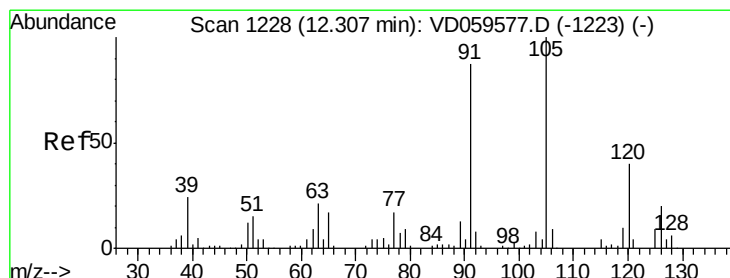
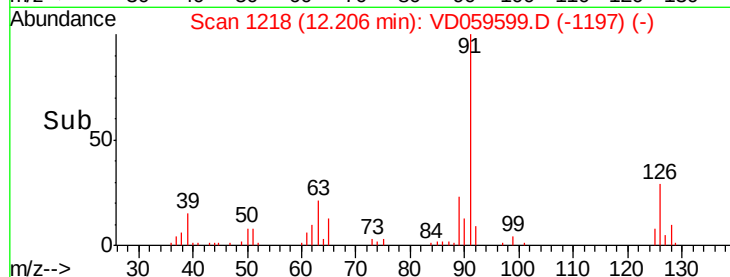
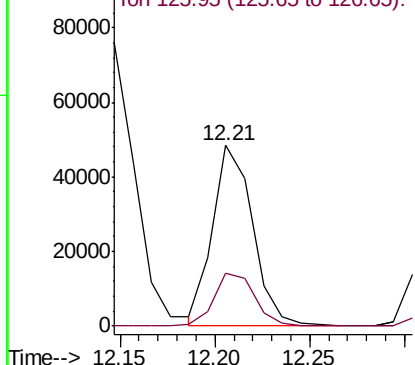
#79
 2-Chlorotoluene
 Concen: 43.98 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Tot Ion: 91 Resp: 71297
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.5 43.6

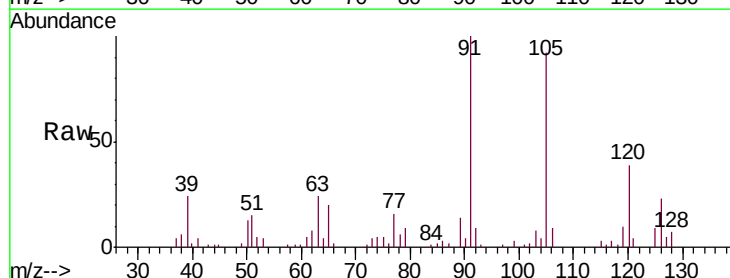


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

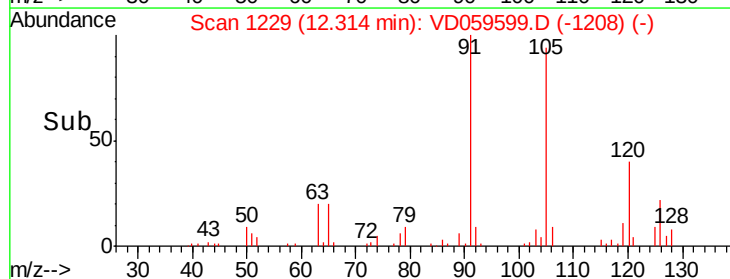
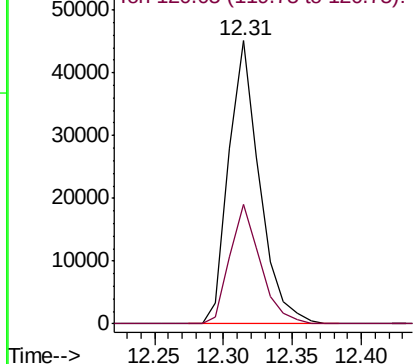


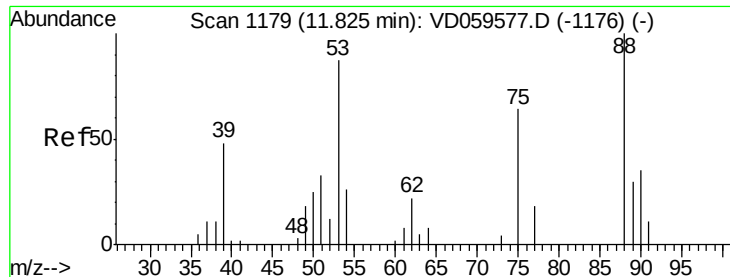
#80
 1,3,5-Trimethylbenzene
 Concen: 39.63 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion: 105 Resp: 70014
 Ion Ratio Lower Upper
 105 100
 120 42.4 19.9 59.6



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

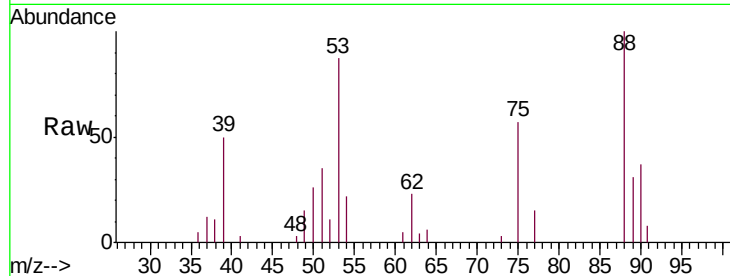




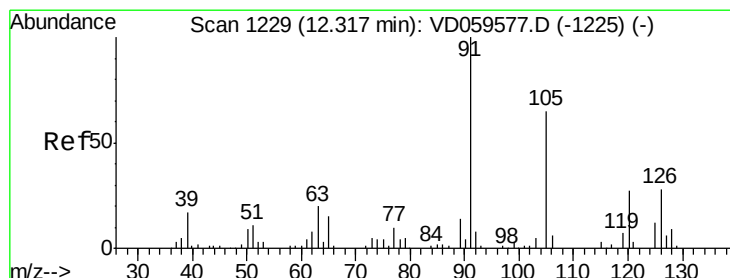
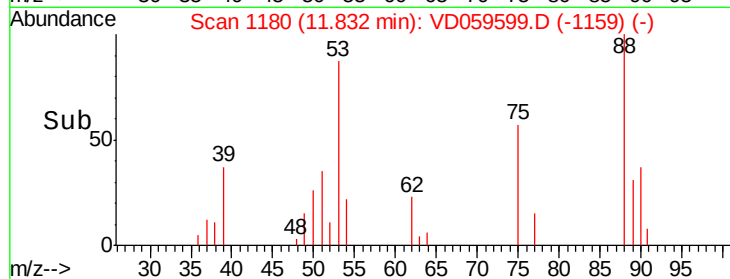
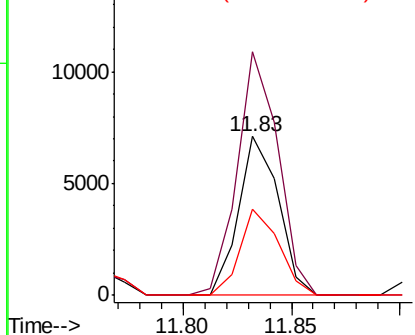
#81
trans-1,4-Dichloro-2-butene
Concen: 68.01 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Tot Ion: 75 Resp: 9108
Ion Ratio Lower Upper
75 100
53 153.1 107.7 161.5
89 54.4 37.3 55.9

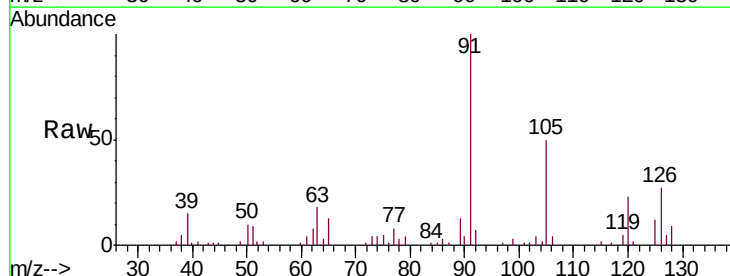


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

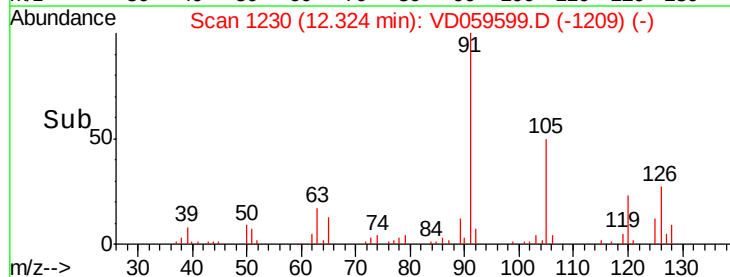
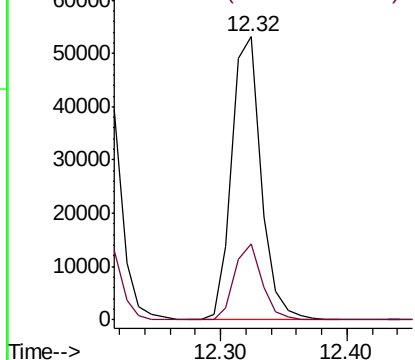


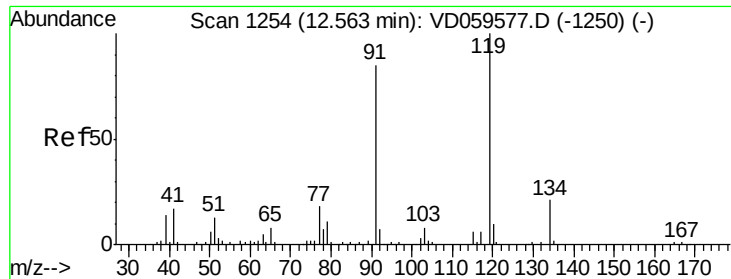
#82
4-Chlorotoluene
Concen: 46.60 ug/l
RT: 12.32 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion: 91 Resp: 85429
Ion Ratio Lower Upper
91 100
126 26.9 14.1 42.4



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

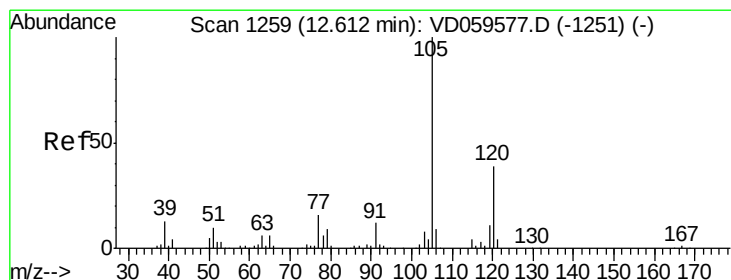
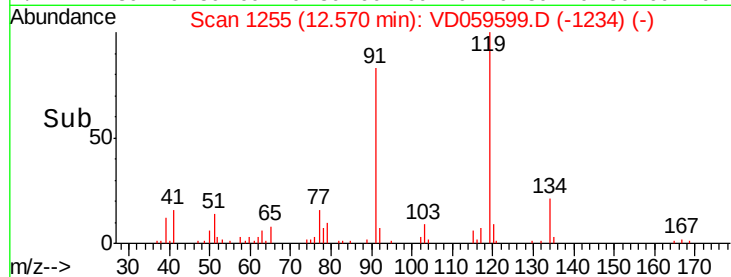
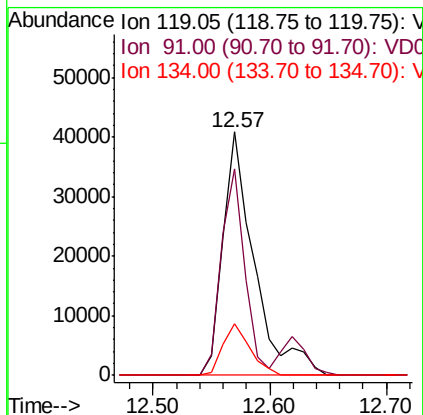
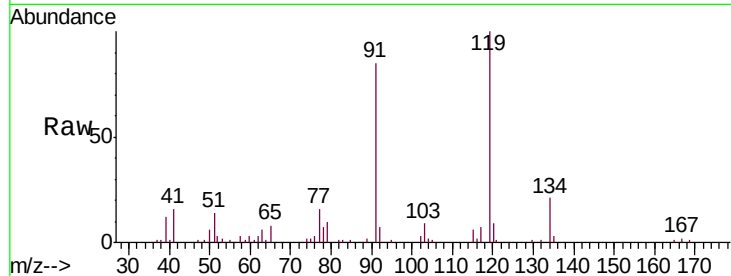




#83
 tert-Butylbenzene
 Concen: 38.22 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

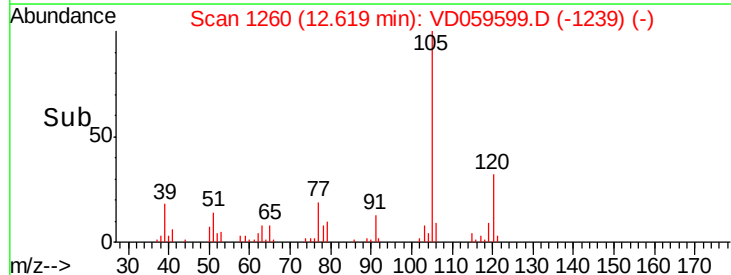
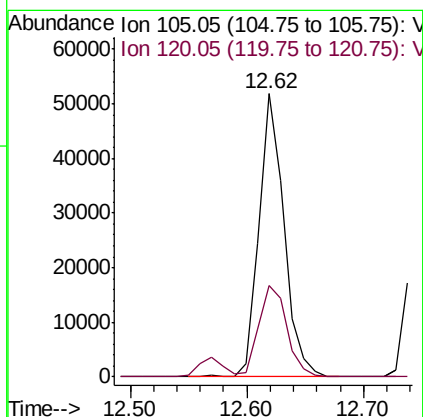
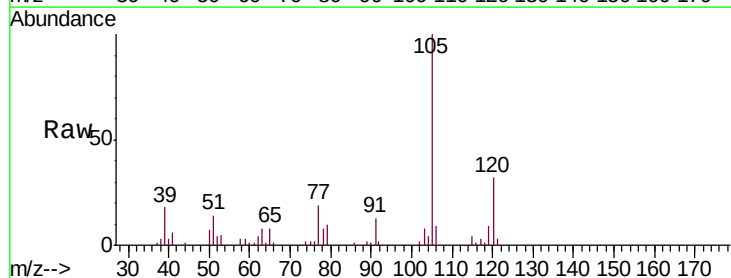
Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

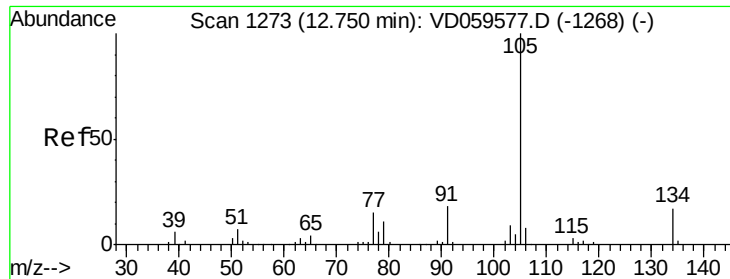
Tot Ion:119 Resp: 76019
 Ion Ratio Lower Upper
 119 100
 91 84.6 42.5 127.5
 134 21.2 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 40.93 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion:105 Resp: 76860
 Ion Ratio Lower Upper
 105 100
 120 32.3 19.3 57.9





#85

sec-Butylbenzene

Concen: 32.49 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

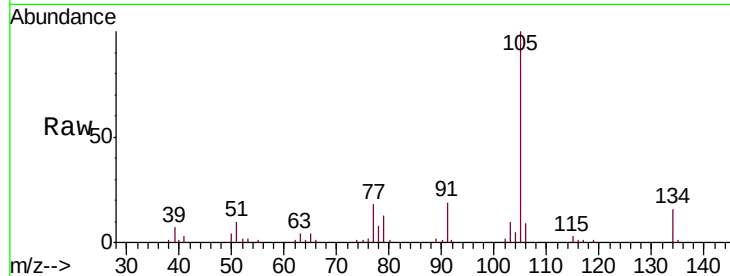
KY030LC006-S-180716MSD

Tot Ion:105 Resp: 73844

Ion Ratio Lower Upper

105 100

134 15.8 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

60000

50000

40000

30000

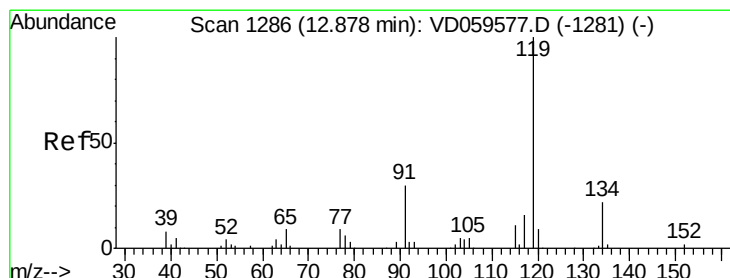
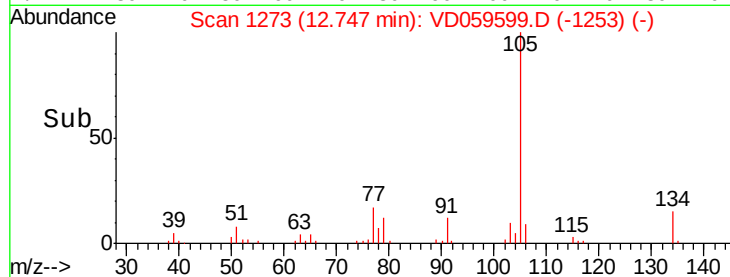
20000

10000

0

12.70 12.75 12.80 12.85

Time-->



#86

p-Isopropyltoluene

Concen: 33.49 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

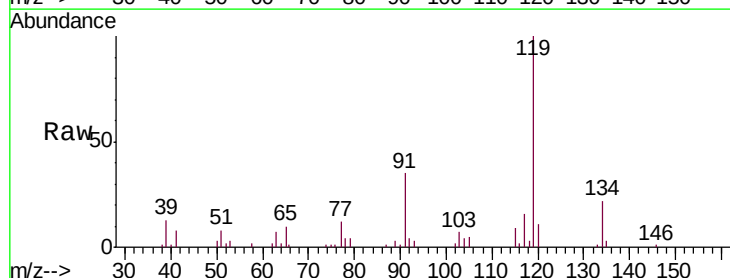
Tgt Ion:119 Resp: 64146

Ion Ratio Lower Upper

119 100

134 22.4 11.2 33.6

91 35.0 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.87

50000

40000

30000

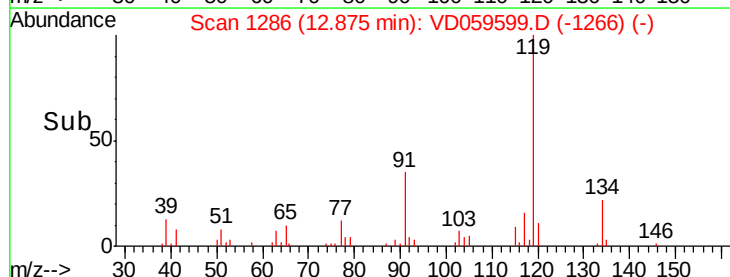
20000

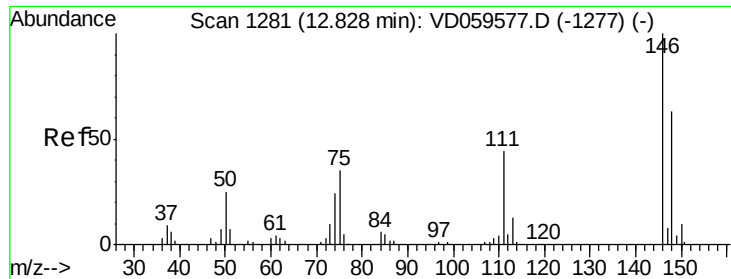
10000

0

12.80 12.85 12.90 12.95

Time-->

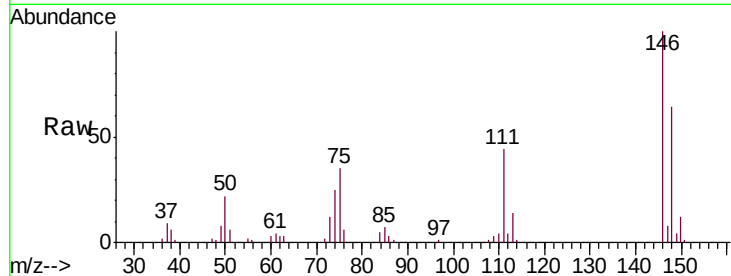




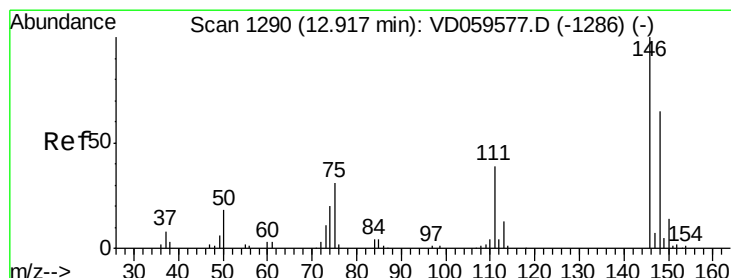
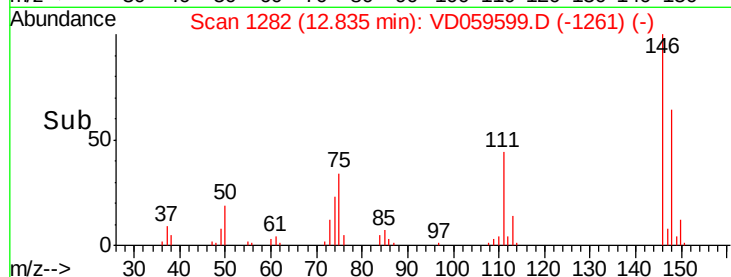
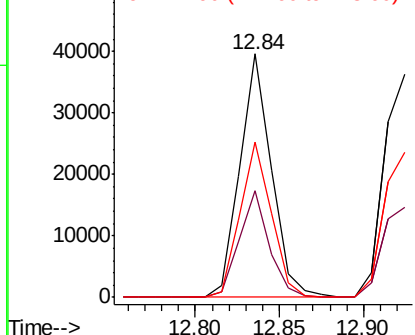
#87
 1,3-Dichlorobenzene
 Concen: 46.46 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Tot Ion:146 Resp: 51473
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.2 66.6
 148 64.0 31.8 95.3

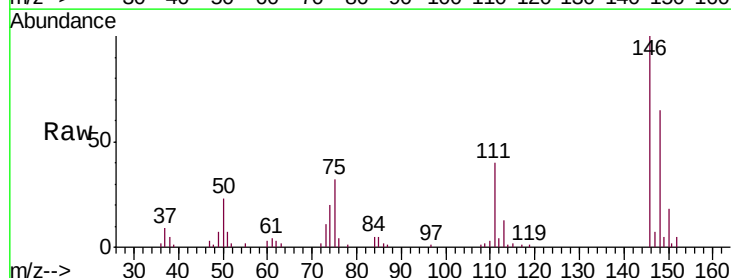


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

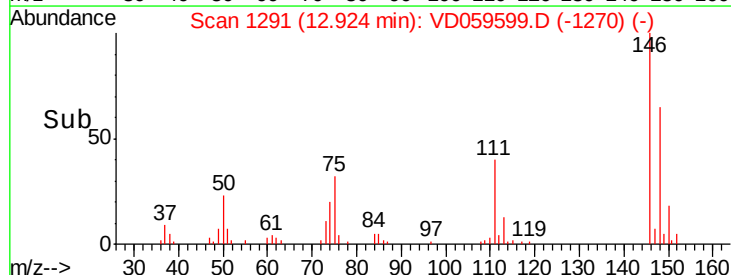
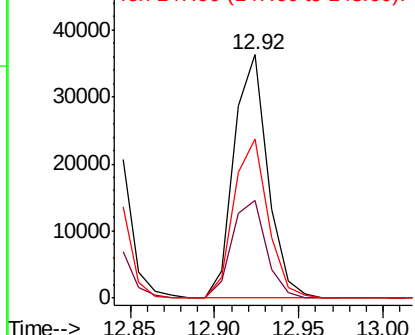


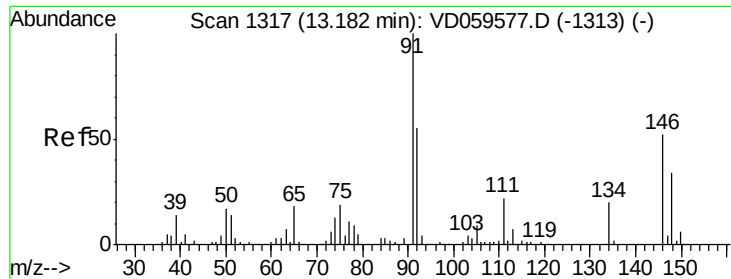
#88
 1,4-Dichlorobenzene
 Concen: 47.21 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion:146 Resp: 50392
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.3 57.9
 148 65.2 32.4 97.2



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





#89

n-Butylbenzene

Concen: 29.43 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

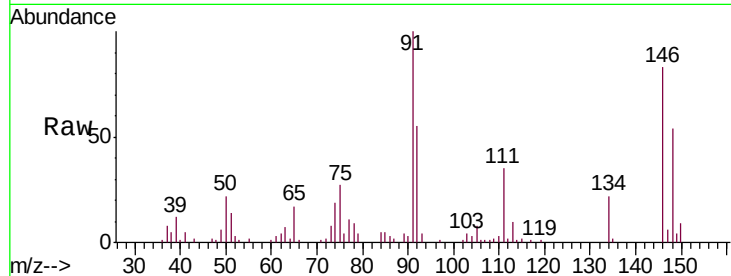
Tot Ion: 91 Resp: 54434

Ion Ratio Lower Upper

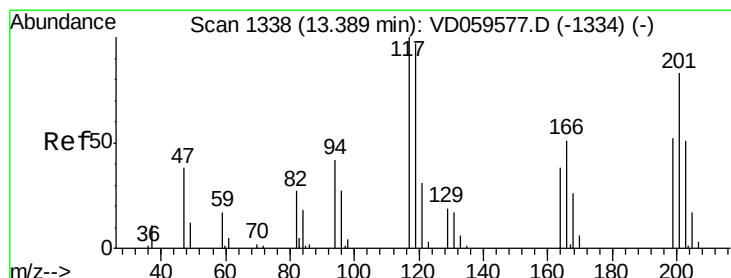
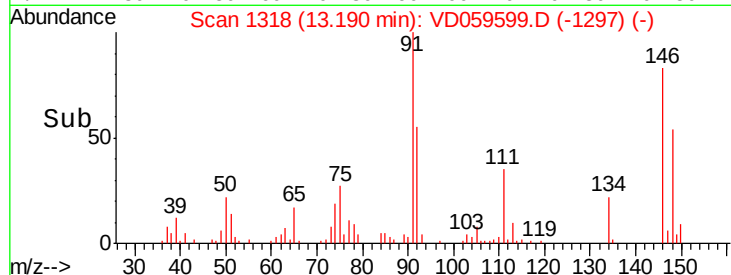
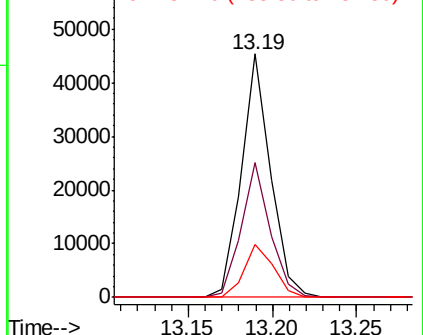
91 100

92 55.3 27.6 82.7

134 21.6 10.1 30.3



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



#90

Hexachloroethane

Concen: 34.52 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059599.D

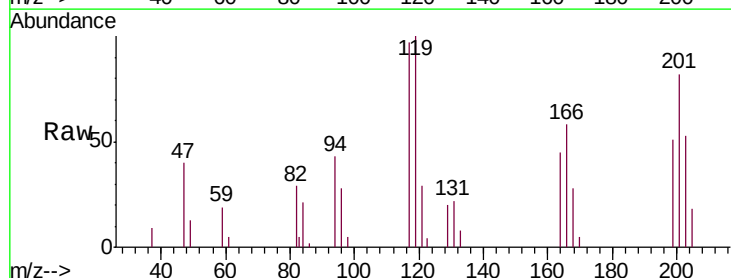
Acq: 25 Jul 2018 19:57

Tgt Ion: 117 Resp: 17667

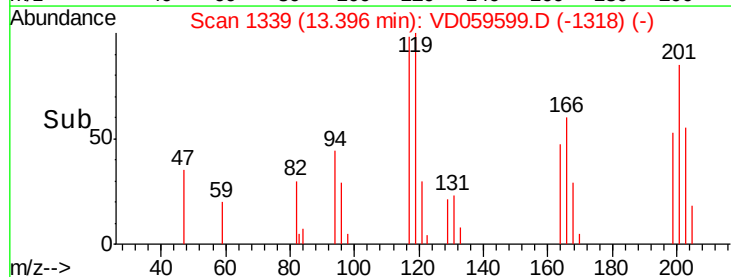
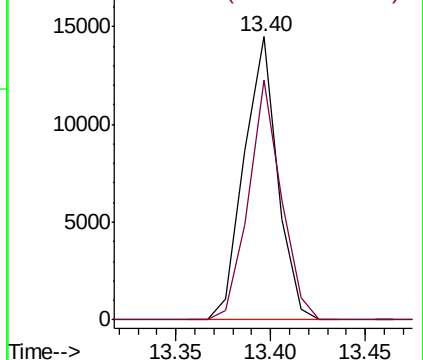
Ion Ratio Lower Upper

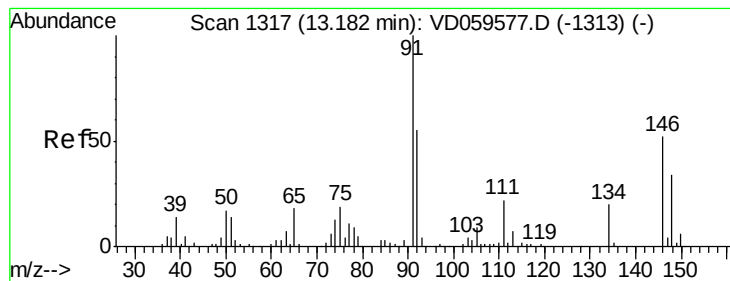
117 100

201 84.6 41.5 124.5



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





#91

1,2-Dichlorobenzene

Concen: 52.71 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716MSD

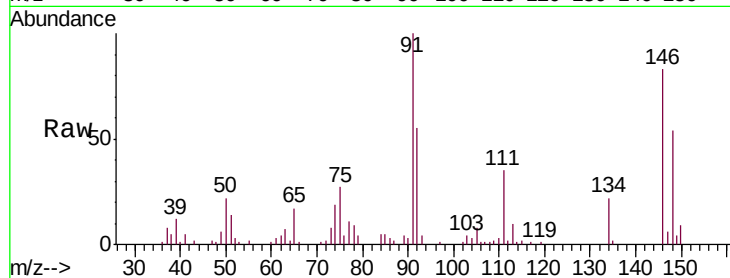
Tot Ion:146 Resp: 49000

Ion Ratio Lower Upper

146 100

111 41.7 21.4 64.3

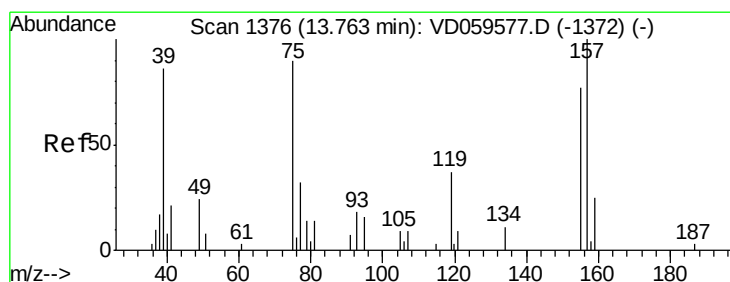
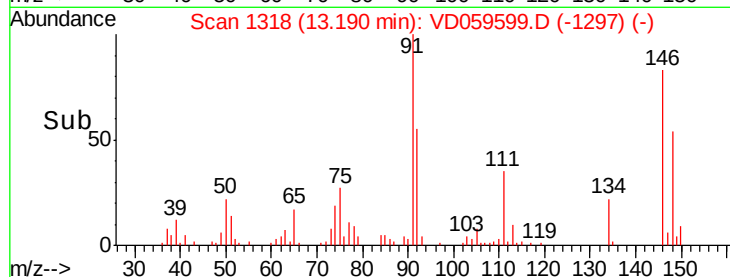
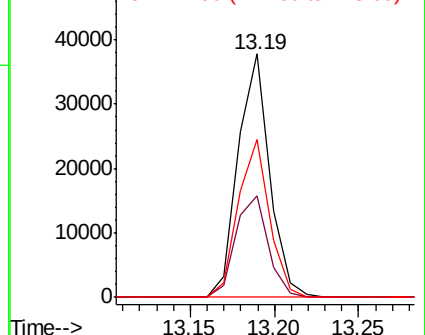
148 64.9 32.6 98.0



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: 90.31 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD059599.D

Acq: 25 Jul 2018 19:57

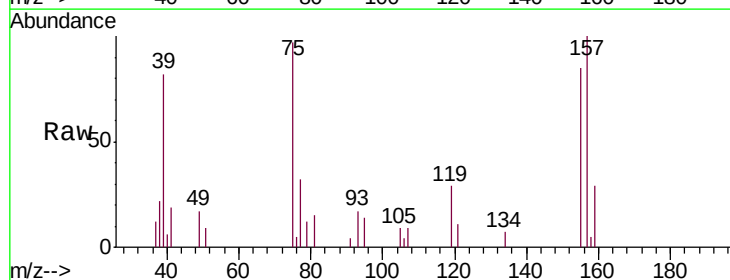
Tgt Ion: 75 Resp: 8318

Ion Ratio Lower Upper

75 100

155 87.0 42.5 127.5

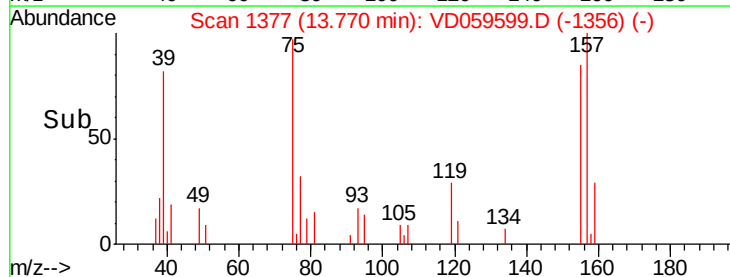
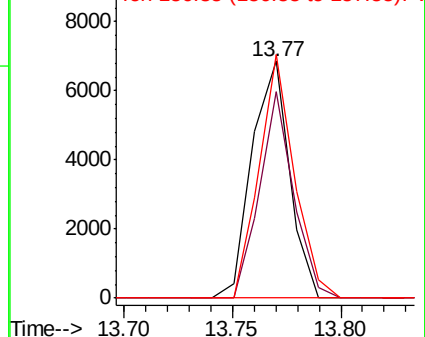
157 102.7 55.5 166.3

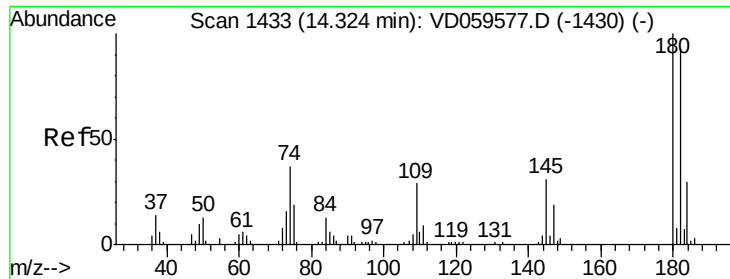


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

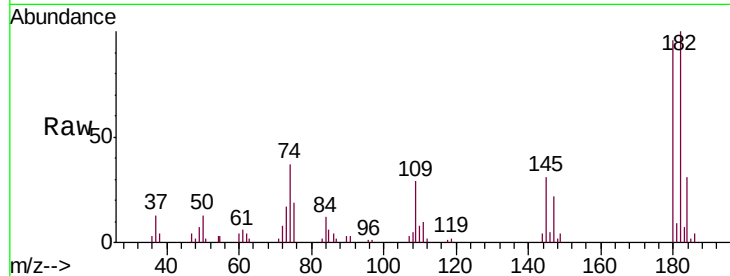




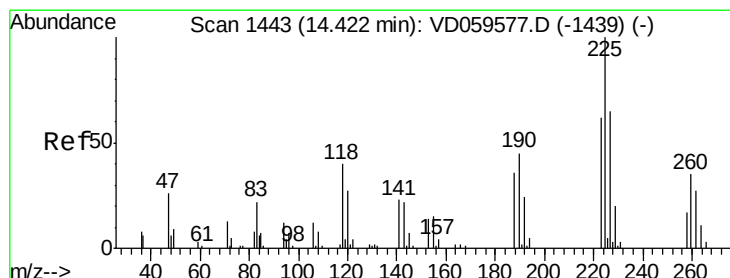
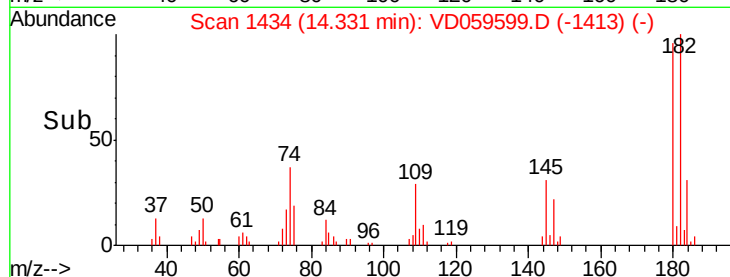
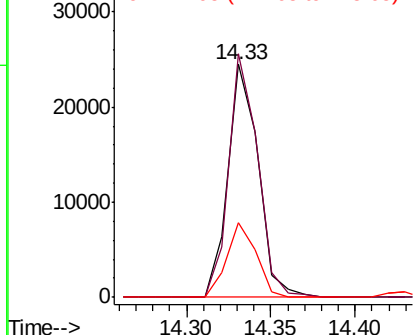
#93
 1,2,4-Trichlorobenzene
 Concen: 39.65 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Tot Ion:180 Resp: 30525
 Ion Ratio Lower Upper
 180 100
 182 104.6 46.4 139.2
 145 31.9 15.7 47.0

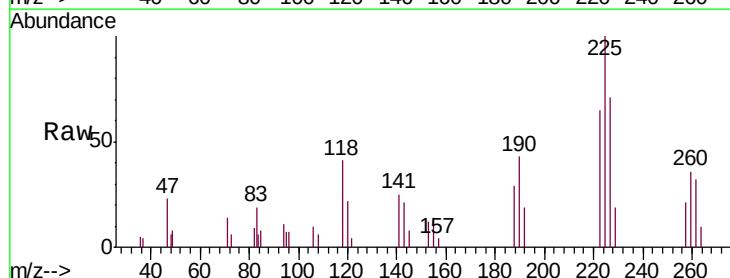


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

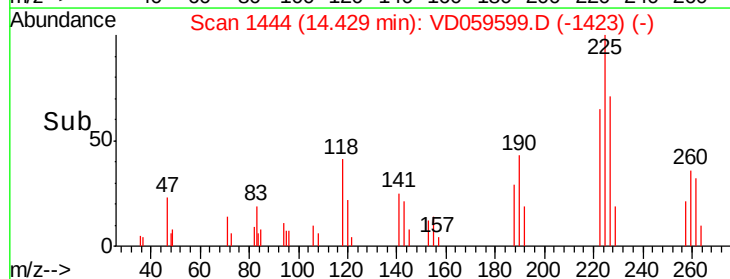
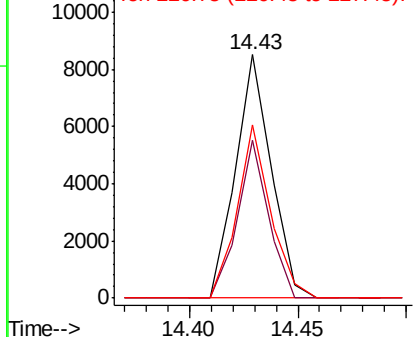


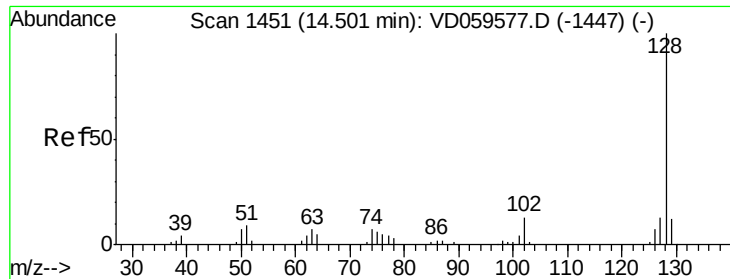
#94
 Hexachlorobutadiene
 Concen: 16.13 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059599.D
 Acq: 25 Jul 2018 19:57

Tgt Ion:225 Resp: 9792
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.1 93.5
 227 71.1 32.4 97.2



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

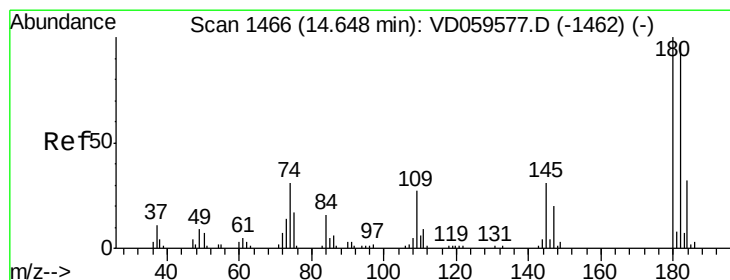
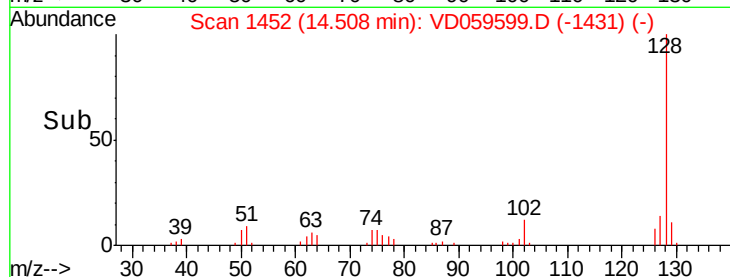
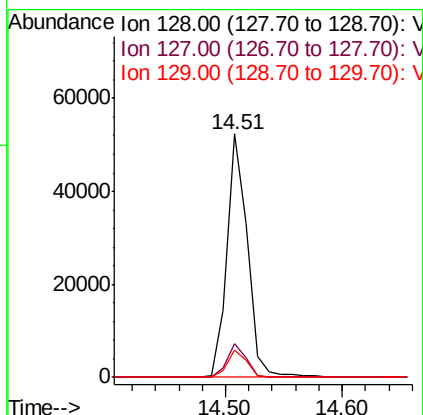
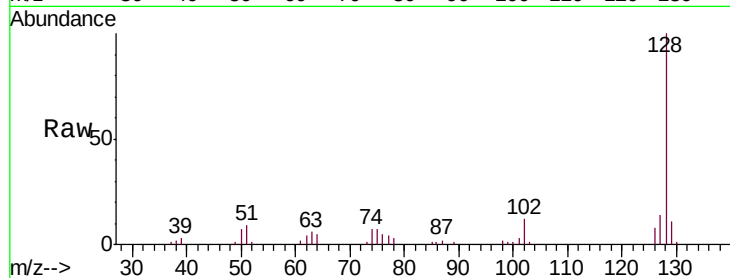




#95
Naphthalene
Concen: 58.29 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Tot Ion:128 Resp: 63819
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.0 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 43.09 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059599.D
Acq: 25 Jul 2018 19:57

Tgt Ion:180 Resp: 30015
Ion Ratio Lower Upper
180 100
182 94.8 48.6 145.9
145 32.8 15.6 46.7

