

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059809.D
 Acq On : 16 Aug 2018 14:28
 Operator : VA/AP
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 01:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	256164	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	333801	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	274365	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	150547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	177015	53.78	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.56%	
35) Dibromofluoromethane	5.51	113	157891	54.28	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	8.68	98	358901	52.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.92	95	158856	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	53248	17.06	ug/l	96
3) Chloromethane	1.46	50	30998	18.09	ug/l	95
4) Vinyl Chloride	1.53	62	32910	18.13	ug/l	93
5) Bromomethane	1.77	94	8011	13.86	ug/l	92
6) Chloroethane	1.85	64	10881	14.37	ug/l	93
7) Trichlorofluoromethane	2.05	101	46391	16.27	ug/l	94
8) Diethyl Ether	2.32	74	10141	18.49	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	29682	18.57	ug/l	96
10) Methyl Iodide	2.66	142	24795	15.07	ug/l	95
11) Tert butyl alcohol	3.24	59	10772	92.50	ug/l #	74
12) 1,1-Dichloroethene	2.52	96	20239	17.51	ug/l	95
13) Acrolein	2.45	56	6471	74.98	ug/l	92
14) Allyl chloride	2.89	41	53945	18.57	ug/l	94
15) Acrylonitrile	3.33	53	30631	75.08	ug/l	90
16) Acetone	2.59	43	51664	99.47	ug/l	92
17) Carbon Disulfide	2.72	76	64877	16.75	ug/l	96
18) Methyl Acetate	2.91	43	19737	17.78	ug/l #	92
19) Methyl tert-butyl Ether	3.37	73	99193	17.58	ug/l	97
20) Methylene Chloride	3.04	84	32598	21.39	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	29374	12.90	ug/l	85
22) Diisopropyl ether	4.04	45	138565	17.69	ug/l	96
23) Vinyl Acetate	3.98	43	436838	98.45	ug/l	99
24) 1,1-Dichloroethane	3.94	63	85454	18.38	ug/l	99
25) 2-Butanone	4.81	43	66986	84.26	ug/l	96
26) 2,2-Dichloropropane	4.77	77	85661	20.15	ug/l	97
27) cis-1,2-Dichloroethene	4.77	96	48114	19.28	ug/l	96
28) Bromochloromethane	5.11	49	35170	19.28	ug/l	88
29) Tetrahydrofuran	5.15	42	30612	90.25	ug/l	98
30) Chloroform	5.29	83	103015	18.46	ug/l	97
31) Cyclohexane	5.56	56	57438	17.18	ug/l	91
32) 1,1,1-Trichloroethane	5.47	97	90711	18.49	ug/l	97
36) 1,1-Dichloropropene	5.71	75	64382	18.80	ug/l	98
37) Ethyl Acetate	4.89	43	34816	20.33	ug/l	97
38) Carbon Tetrachloride	5.69	117	78158	18.92	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	53123	17.93	ug/l	93
40) Benzene	5.99	78	136598	18.80	ug/l	97
41) Methacrylonitrile	5.09	41	16094	19.64	ug/l	97
42) 1,2-Dichloroethane	6.10	62	76261	19.40	ug/l	100
43) Isopropyl Acetate	7.59	43	41481	19.18	ug/l	99
44) Trichloroethene	6.95	130	47513	19.10	ug/l	97
45) 1,2-Dichloropropane	7.32	63	34818	18.44	ug/l	95
46) Dibromomethane	7.44	93	29186	18.90	ug/l	98
47) Bromodichloromethane	7.72	83	74867	19.79	ug/l	99
48) Methyl methacrylate	7.48	41	27656	19.59	ug/l	96
49) 1,4-Dioxane	7.47	88	4802	386.32	ug/l	95
51) 4-Methyl-2-Pentanone	8.57	43	140858	86.15	ug/l	96
52) Toluene	8.78	92	88647	19.05	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	64623	20.60	ug/l	96
54) cis-1,3-Dichloropropene	8.34	75	67242	19.83	ug/l	96
55) 1,1,2-Trichloroethane	9.43	97	31890	18.56	ug/l	92
56) Ethyl methacrylate	9.29	69	36448	19.59	ug/l	90
57) 1,3-Dichloropropane	9.65	76	50954	18.93	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	97706	106.25	ug/l	96
59) 2-Hexanone	9.76	43	109277	93.21	ug/l	99
60) Dibromochloromethane	9.94	129	50244	20.14	ug/l	98
61) 1,2-Dibromoethane	10.08	107	38058	20.00	ug/l	100
64) Tetrachloroethene	9.50	164	46031	19.48	ug/l	90
65) Chlorobenzene	10.71	112	122761	22.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	45498	20.32	ug/l	92
67) Ethyl Benzene	10.85	91	190156	19.88	ug/l	95
68) m/p-Xylenes	11.00	106	126345	38.97	ug/l	91
69) o-Xylene	11.40	106	59319	19.06	ug/l	84
70) Styrene	11.42	104	106439	19.28	ug/l	99
71) Bromoform	11.58	173	31999	19.66	ug/l	96
73) Isopropylbenzene	11.76	105	178246	18.70	ug/l	100
74) N-amyl acetate	11.63	43	56273	19.25	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	36073	18.63	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	41913	19.62	ug/l	95
77) Bromobenzene	12.03	156	56644	20.79	ug/l	84
78) n-propylbenzene	12.14	91	224903	18.91	ug/l	98
79) 2-Chlorotoluene	12.20	91	137400	19.16	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	150752	19.75	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	10302	20.61	ug/l	94
82) 4-Chlorotoluene	12.31	91	165756	20.37	ug/l	93
83) tert-Butylbenzene	12.57	119	167902	19.91	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	161450	19.63	ug/l	97
85) sec-Butylbenzene	12.74	105	193848	19.83	ug/l	99
86) p-Isopropyltoluene	12.87	119	164384	20.10	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	98824	20.23	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	95831	19.79	ug/l	98
89) n-Butylbenzene	13.19	91	161891	19.58	ug/l	97
90) Hexachloroethane	13.39	117	41166	20.06	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	79937	19.90	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7475	21.64	ug/l	86

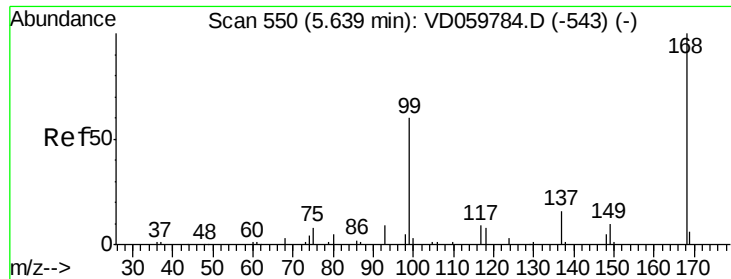
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	70391	20.95	ug/l	98
94) Hexachlorobutadiene	14.43	225	52085	21.01	ug/l	98
95) Naphthalene	14.51	128	101693	19.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	64120	21.63	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

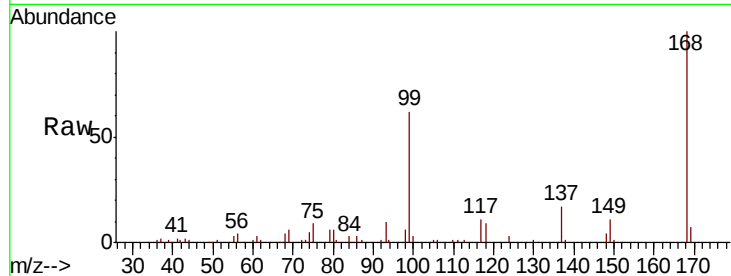
VD0816SBS01

Tot Ion:168 Resp: 256164

Ion Ratio Lower Upper

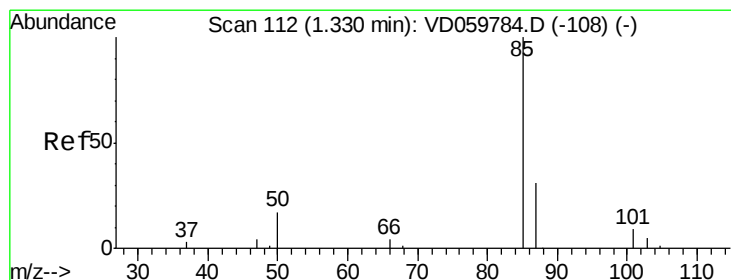
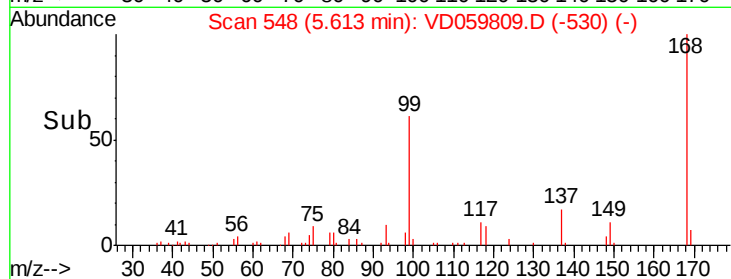
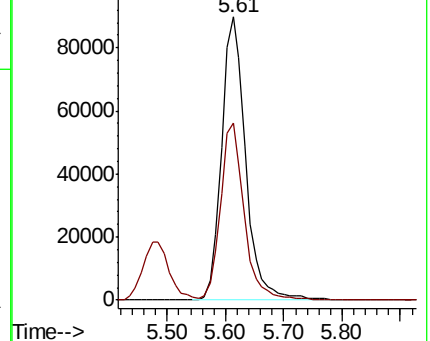
168 100

99 62.4 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.06 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD059809.D

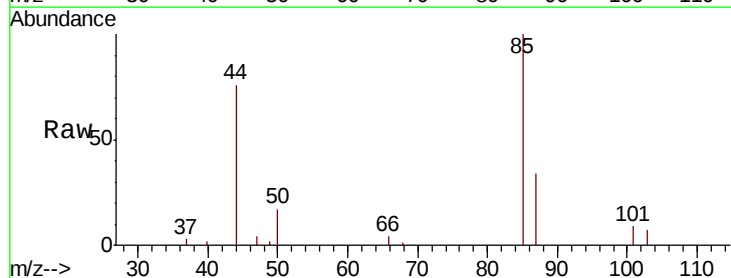
Acq: 16 Aug 2018 14:28

Tgt Ion: 85 Resp: 53248

Ion Ratio Lower Upper

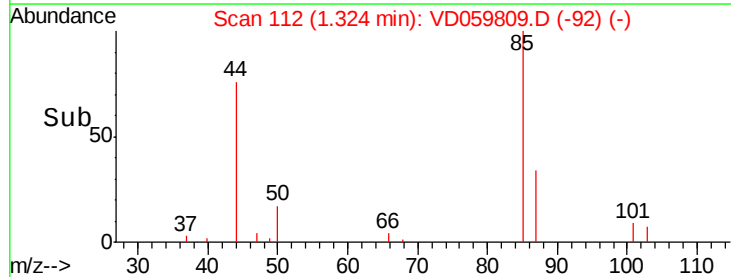
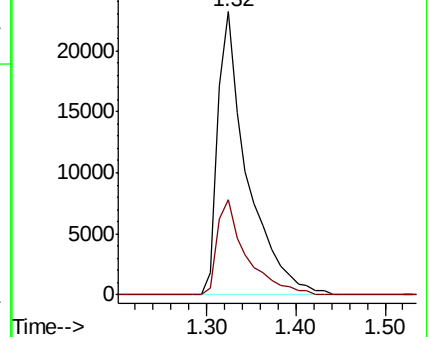
85 100

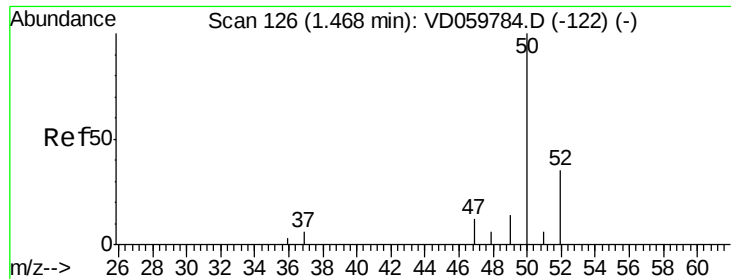
87 33.5 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.09 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

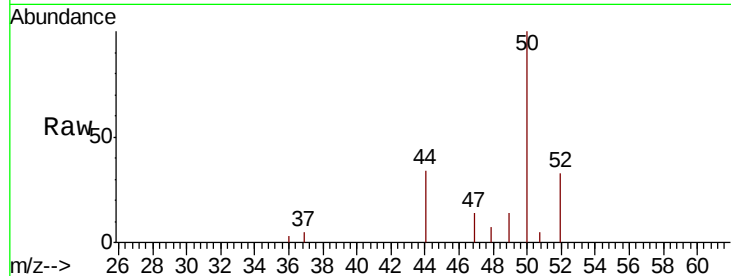
VD0816SBS01

Tot Ion: 50 Resp: 30998

Ion Ratio Lower Upper

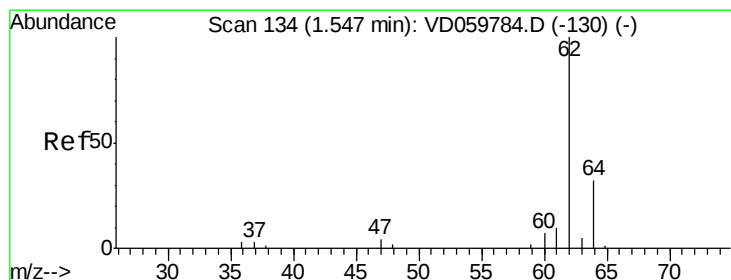
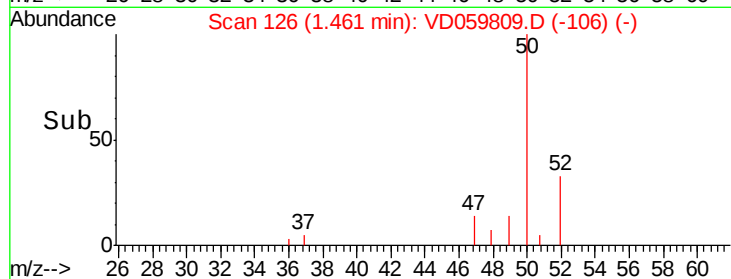
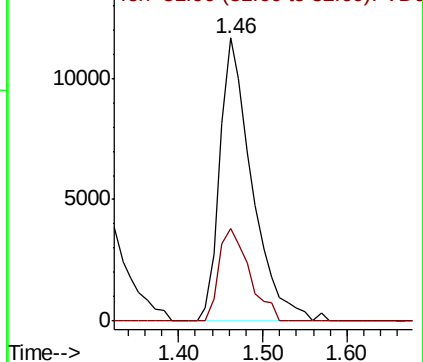
50 100

52 32.9 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.13 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.02 min

Lab File: VD059809.D

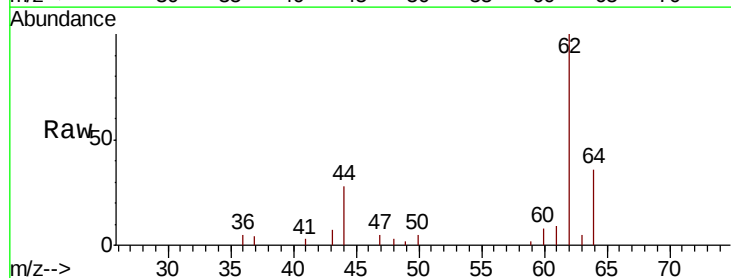
Acq: 16 Aug 2018 14:28

Tgt Ion: 62 Resp: 32910

Ion Ratio Lower Upper

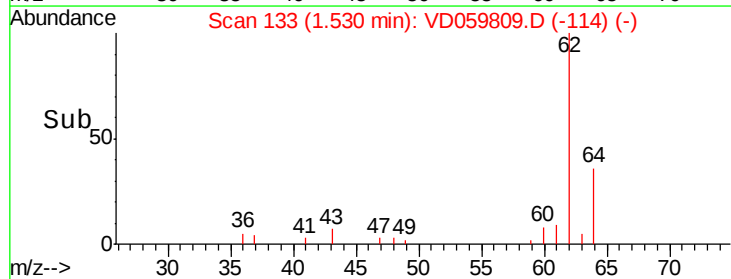
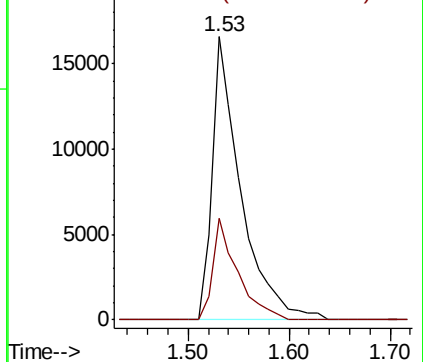
62 100

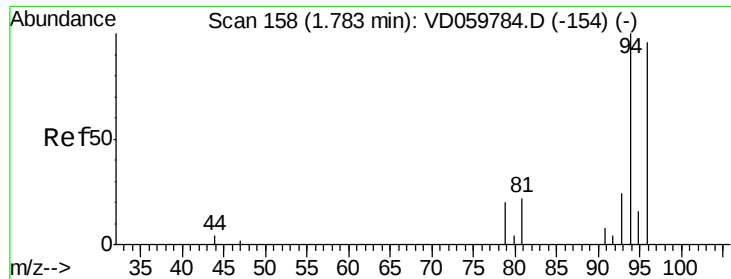
64 35.9 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.86 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

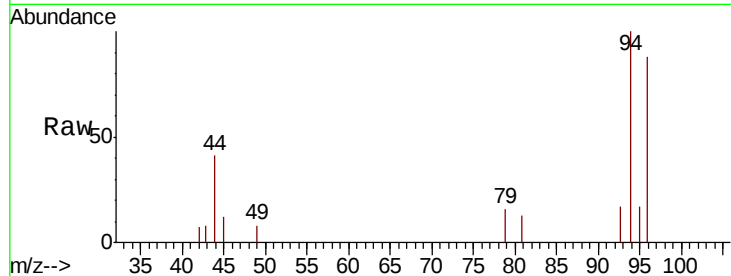
VD0816SBS01

Tot Ion: 94 Resp: 8011

Ion Ratio Lower Upper

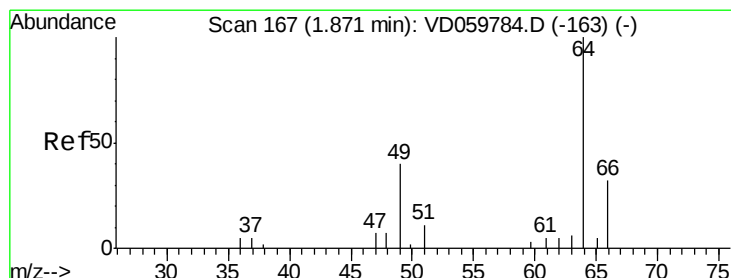
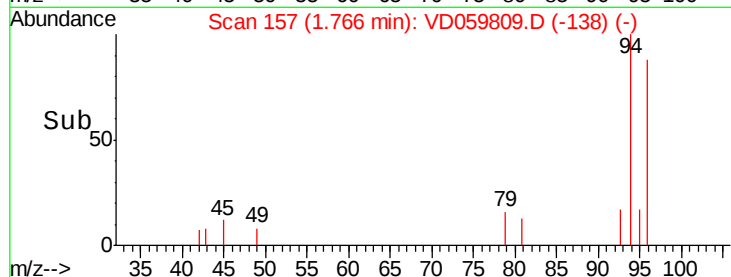
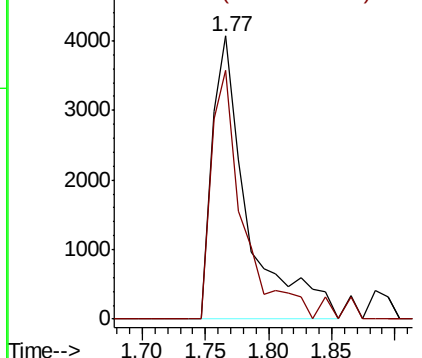
94 100

96 88.1 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 14.37 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD059809.D

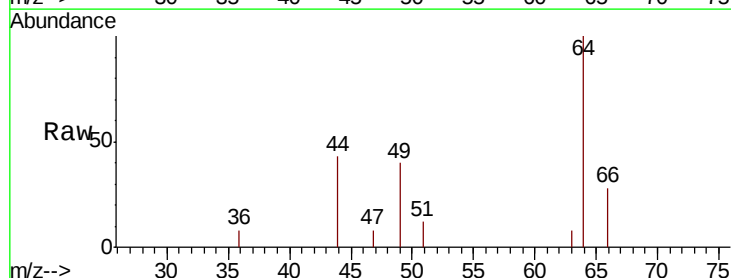
Acq: 16 Aug 2018 14:28

Tgt Ion: 64 Resp: 10881

Ion Ratio Lower Upper

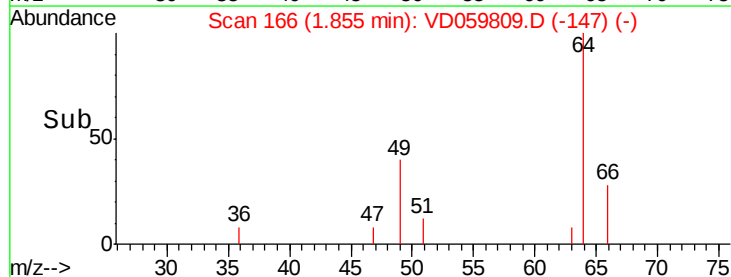
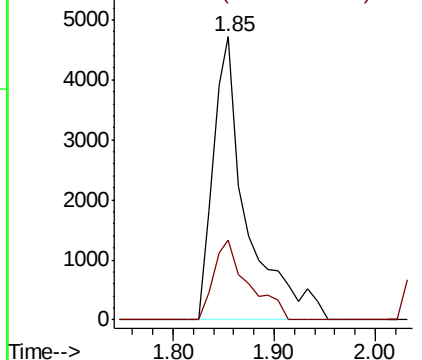
64 100

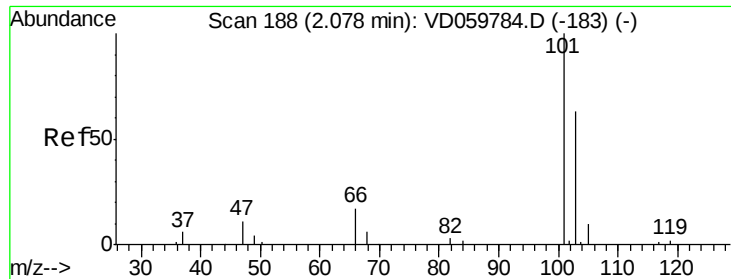
66 28.2 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



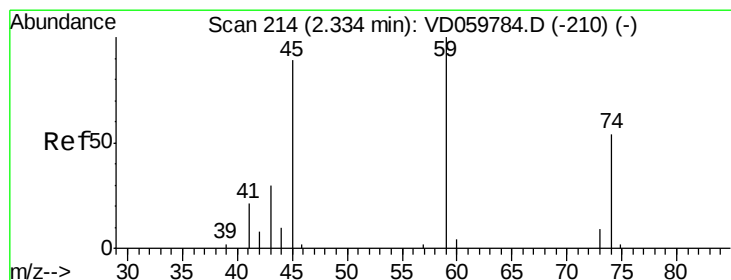
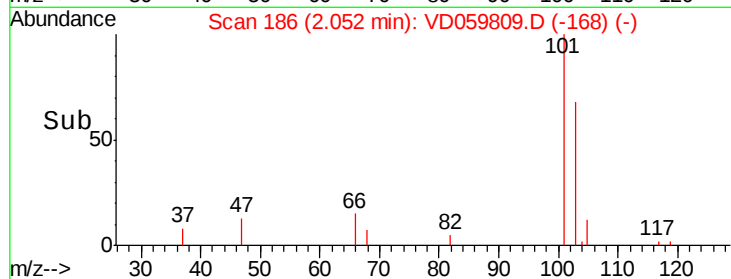
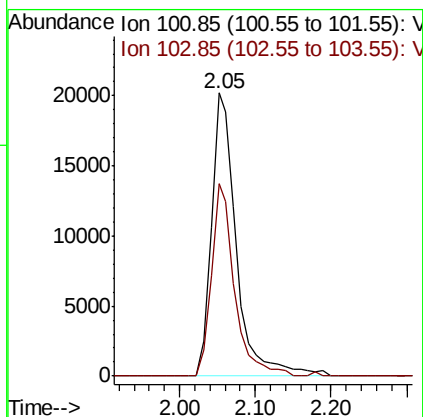
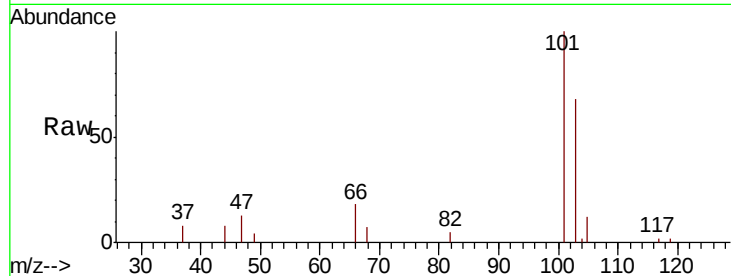


#7

Trichlorofluoromethane
 Concen: 16.27 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.03 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

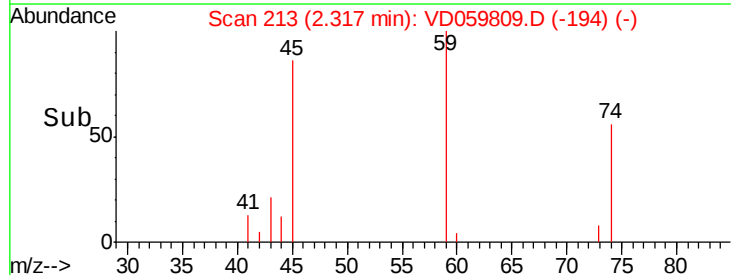
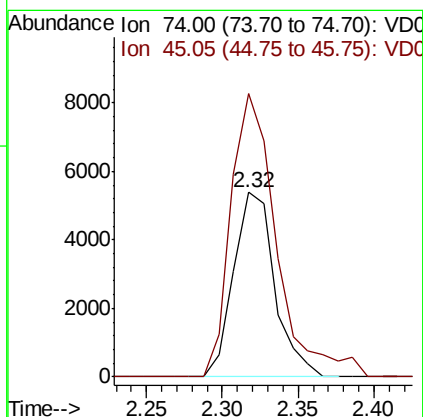
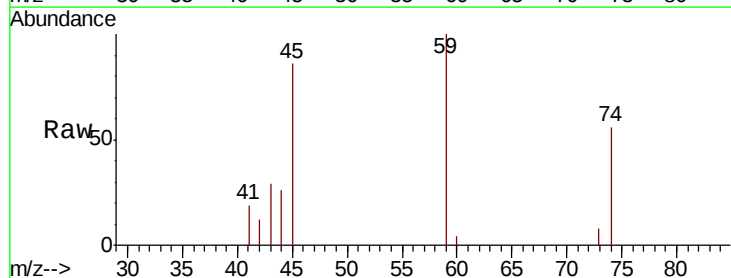
Tot Ion:101 Resp: 46391
 Ion Ratio Lower Upper
 101 100
 103 68.0 50.4 75.6

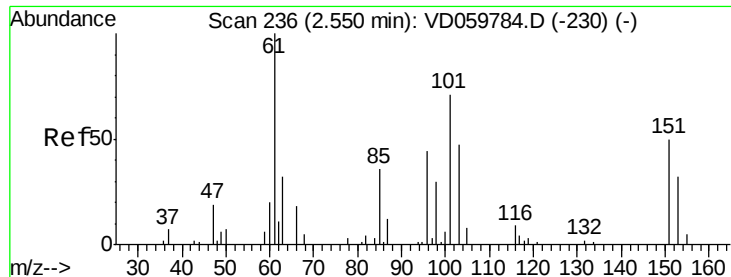


#8

Diethyl Ether
 Concen: 18.49 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.02 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 74 Resp: 10141
 Ion Ratio Lower Upper
 74 100
 45 153.6 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.57 ug/l

RT: 2.52 min Scan# 234

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

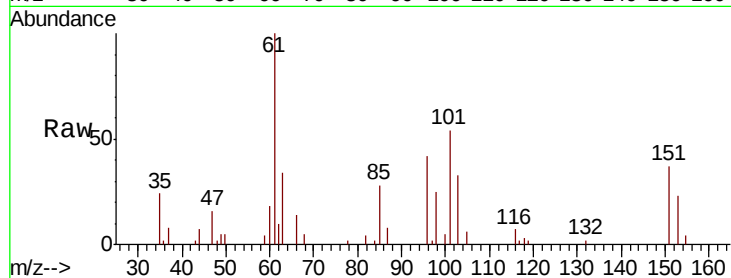
Tot Ion:101 Resp: 29682

Ion Ratio Lower Upper

101 100

85 53.0 40.6 61.0

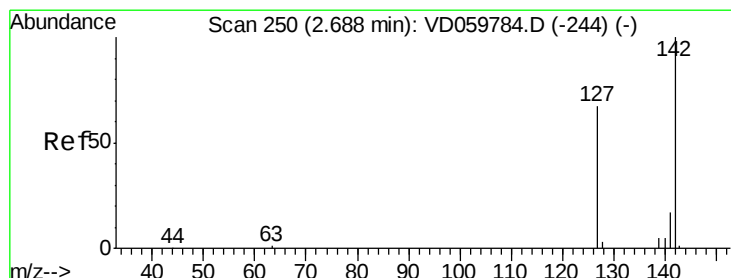
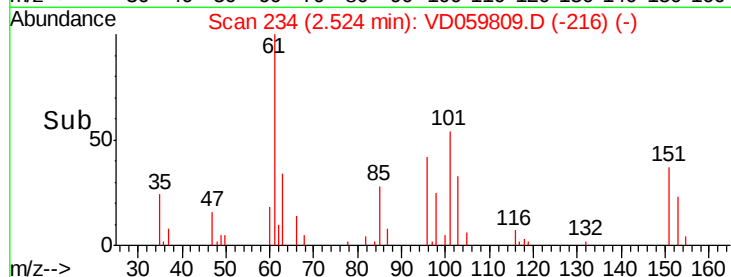
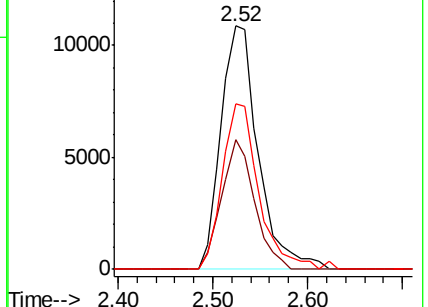
151 68.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.07 ug/l

RT: 2.66 min Scan# 248

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

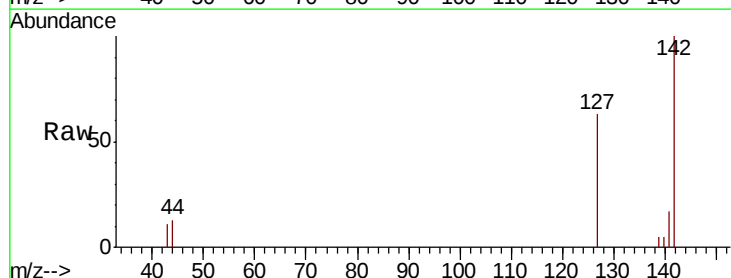
Tgt Ion:142 Resp: 24795

Ion Ratio Lower Upper

142 100

127 62.6 54.0 81.0

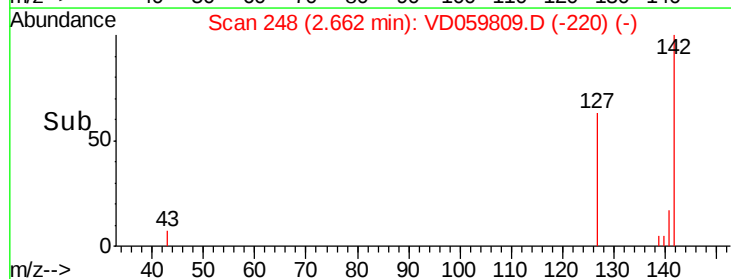
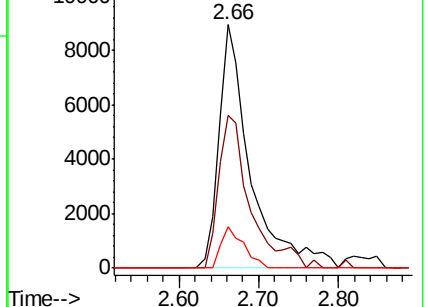
141 17.2 13.3 19.9

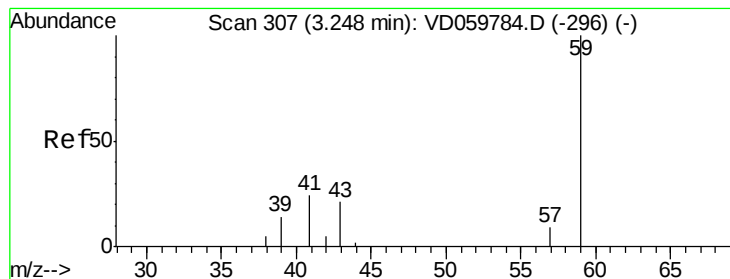


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



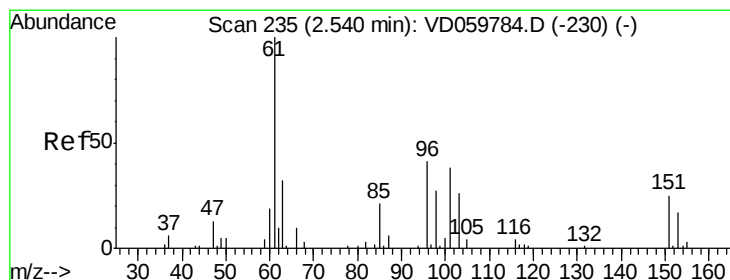
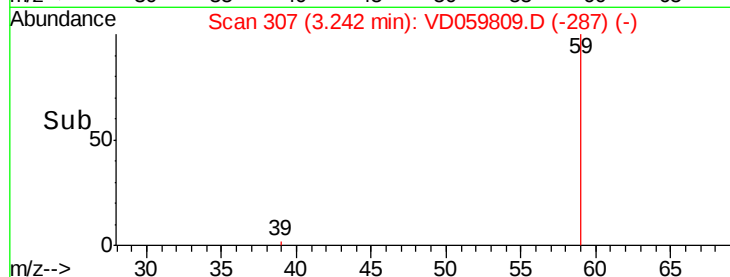
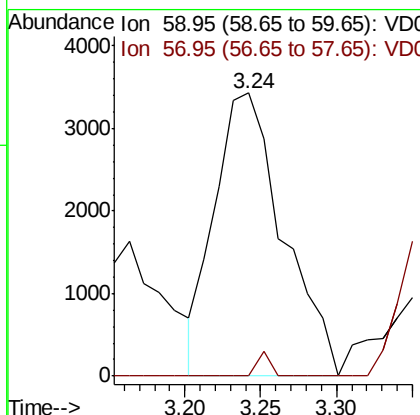
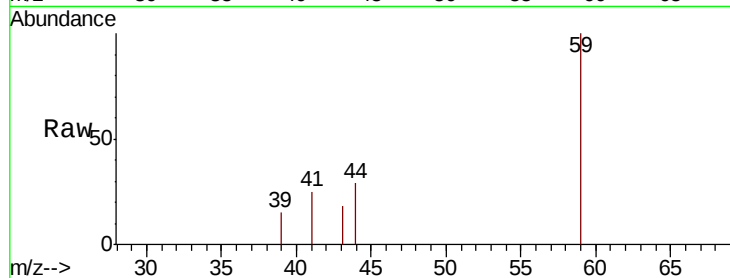


#11

Tert butyl alcohol
 Concen: 92.50 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

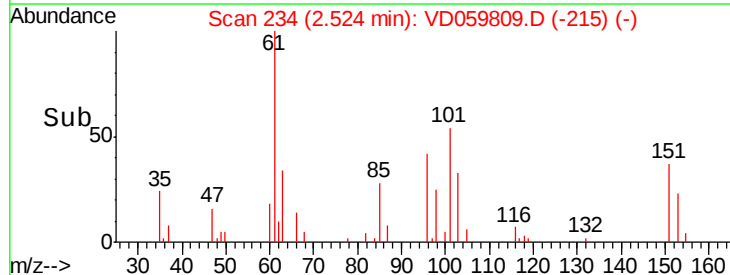
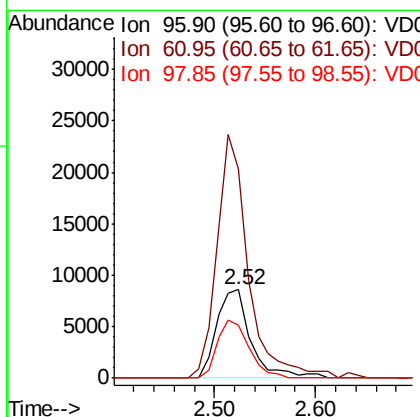
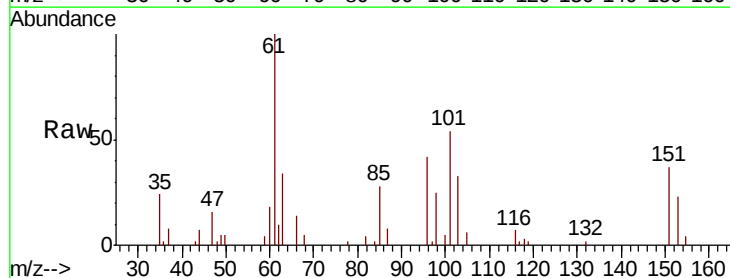
Tot Ion: 59 Resp: 10772
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

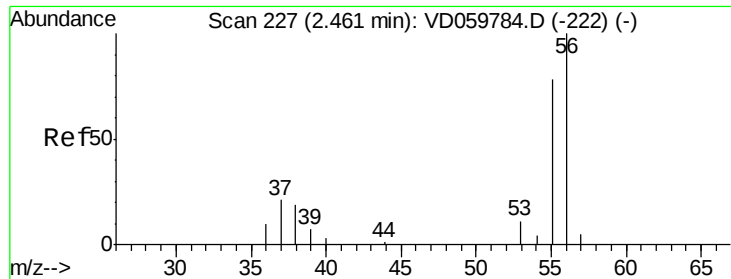


#12

1,1-Dichloroethene
 Concen: 17.51 ug/l
 RT: 2.52 min Scan# 234
 Delta R.T. -0.02 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 96 Resp: 20239
 Ion Ratio Lower Upper
 96 100
 61 235.8 194.1 291.1
 98 59.1 52.3 78.5





#13

Acrolein

Concen: 74.98 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

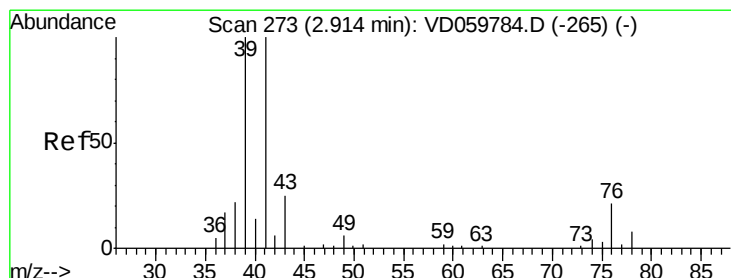
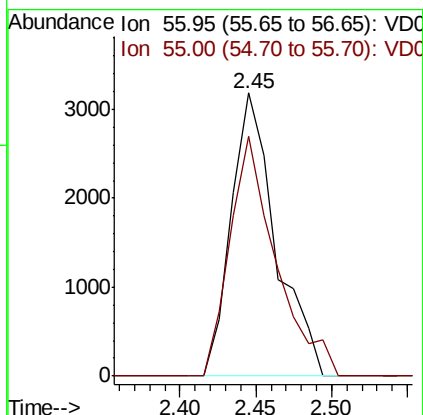
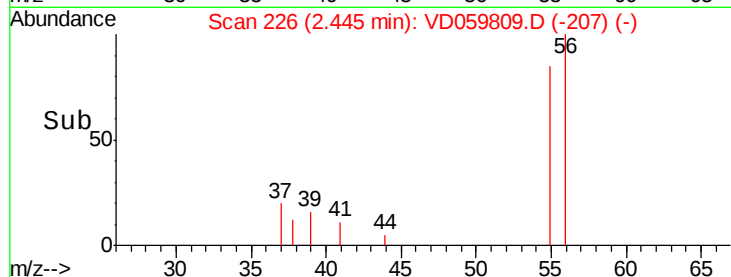
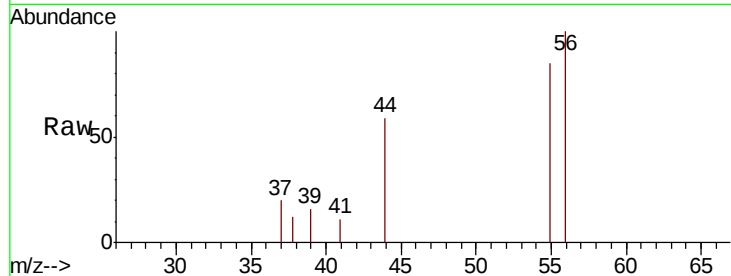
VD0816SBS01

Tot Ion: 56 Resp: 6471

Ion Ratio Lower Upper

56 100

55 84.8 62.2 93.2



#14

Allyl chloride

Concen: 18.57 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

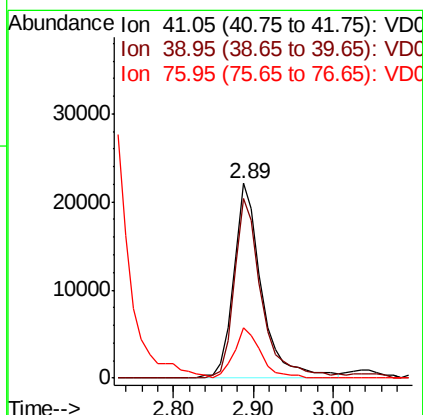
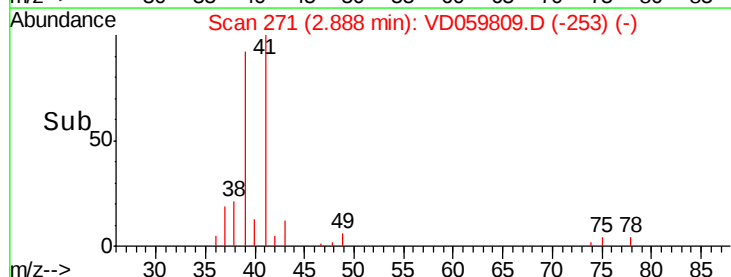
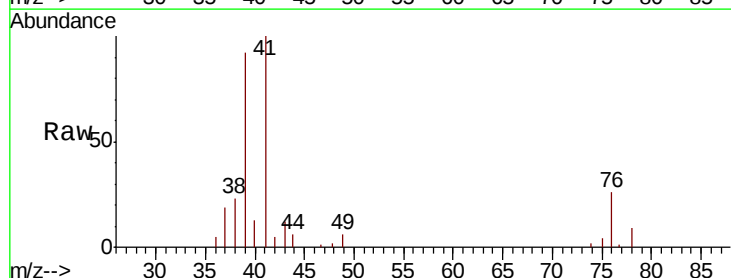
Tgt Ion: 41 Resp: 53945

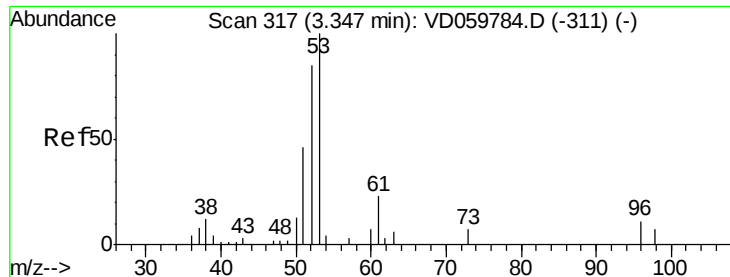
Ion Ratio Lower Upper

41 100

39 92.2 79.8 119.6

76 26.1 20.4 30.6

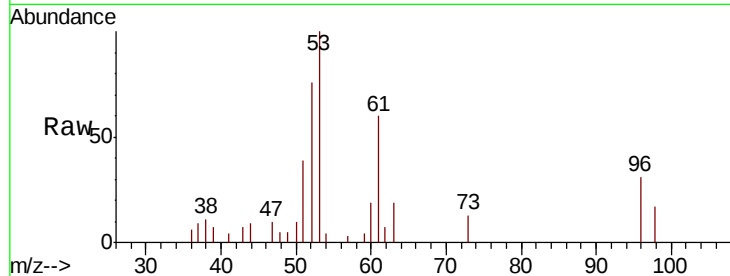




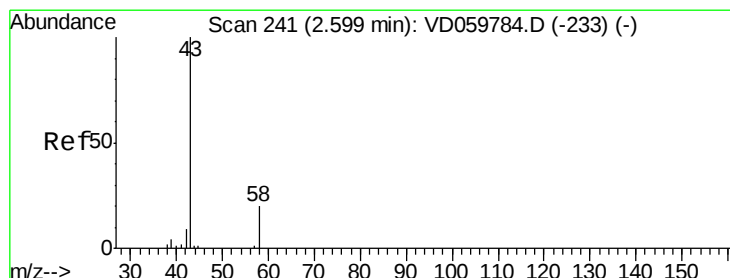
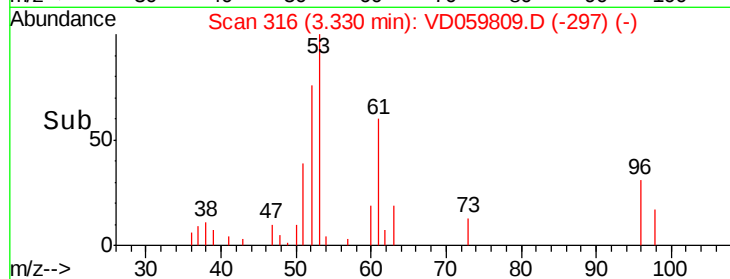
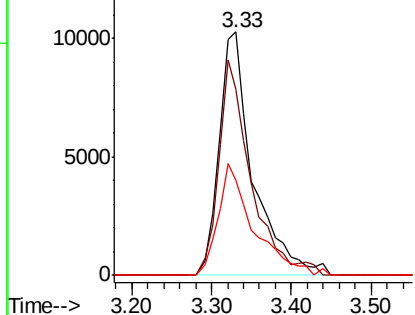
#15
 Acrylonitrile
 Concen: 75.08 ug/l
 RT: 3.33 min Scan# 316
 Delta R.T. -0.02 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tot Ion: 53 Resp: 30631
 Ion Ratio Lower Upper
 53 100
 52 76.4 68.2 102.2
 51 39.2 36.6 54.8

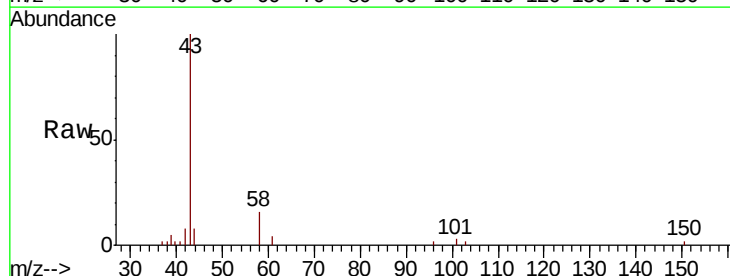


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

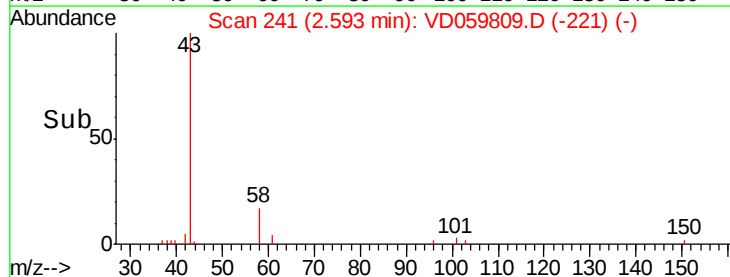
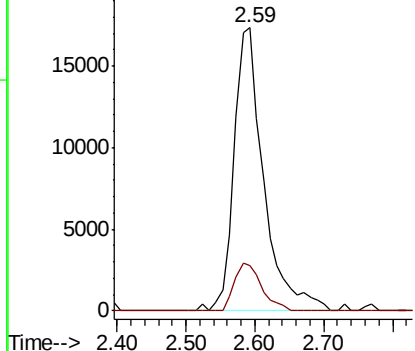


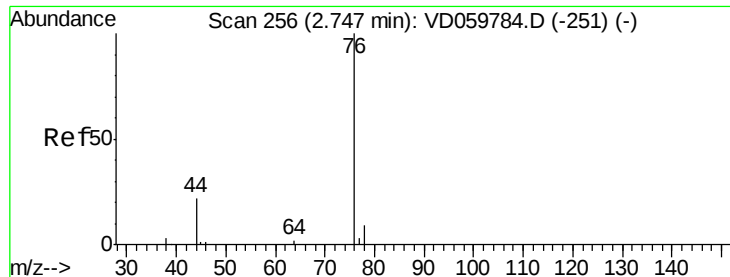
#16
 Acetone
 Concen: 99.47 ug/l
 RT: 2.59 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 43 Resp: 51664
 Ion Ratio Lower Upper
 43 100
 58 16.1 15.7 23.5



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

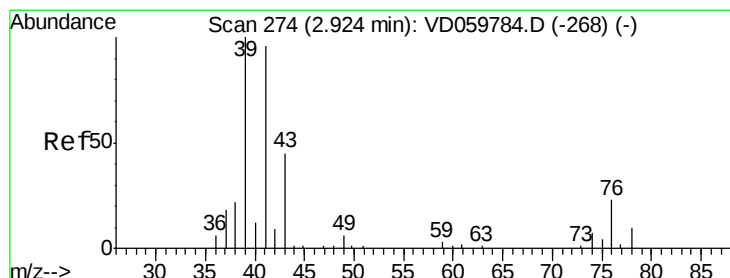
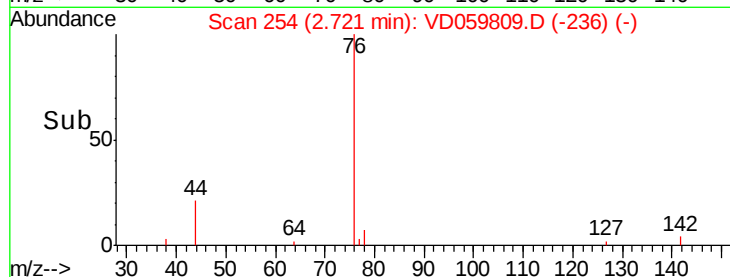
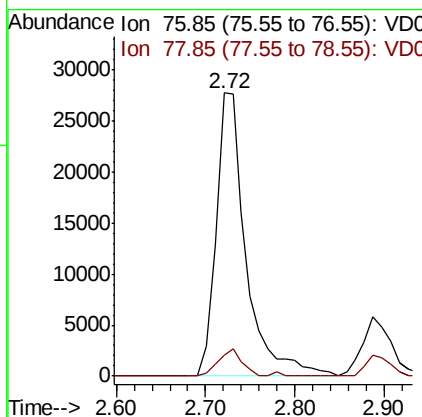
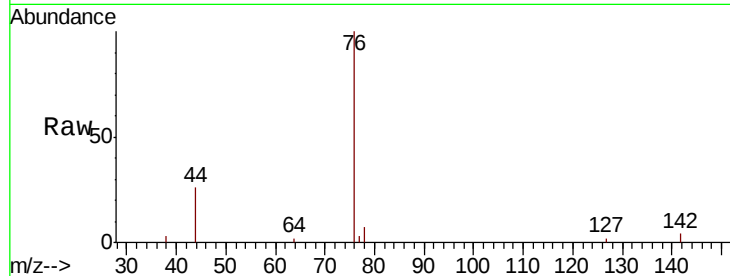




#17
Carbon Disulfide
Concen: 16.75 ug/l
RT: 2.72 min Scan# 254
Delta R.T. -0.03 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

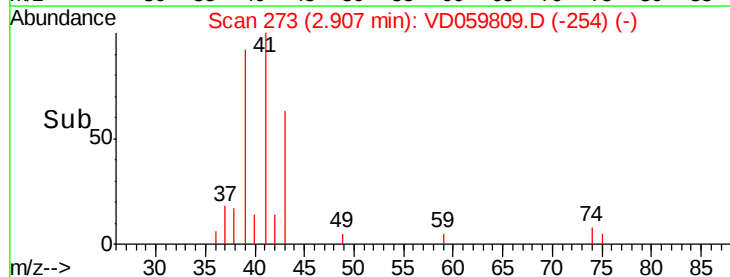
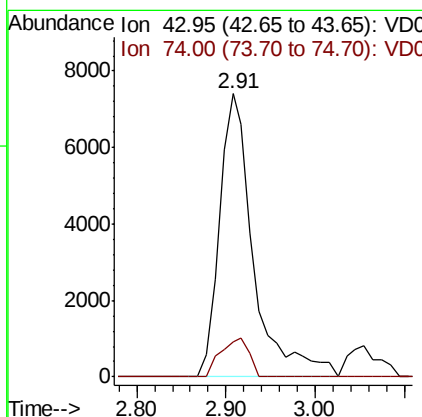
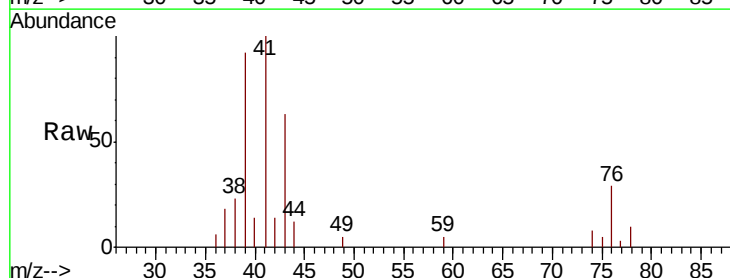
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

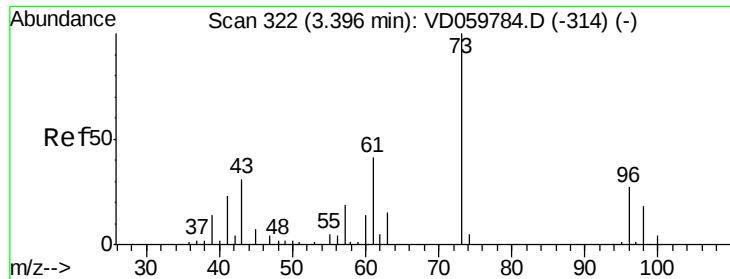
Tot Ion: 76 Resp: 64877
Ion Ratio Lower Upper
76 100
78 7.3 6.9 10.3



#18
Methyl Acetate
Concen: 17.78 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion: 43 Resp: 19737
Ion Ratio Lower Upper
43 100
74 12.3 12.4 18.6#

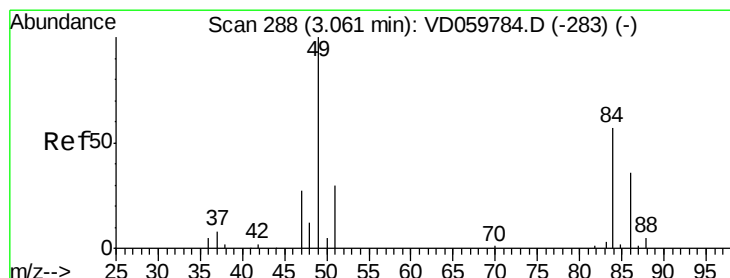
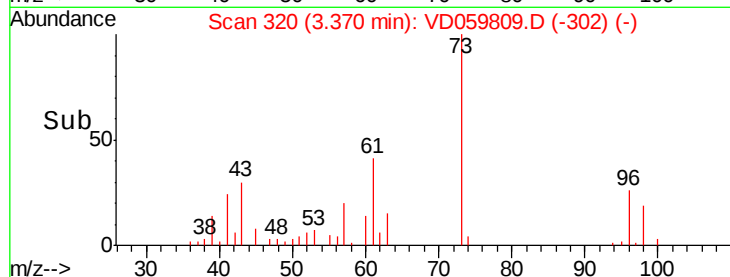
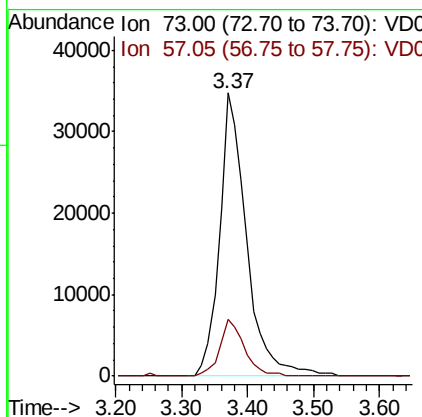
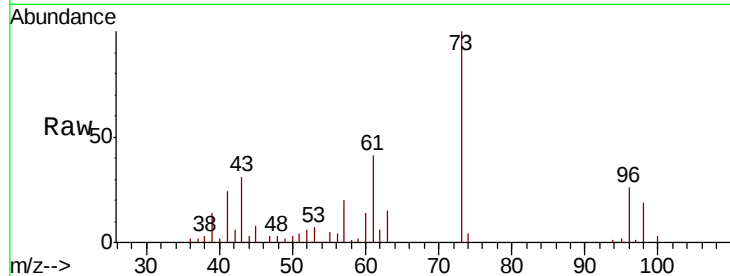




#19
Methvl tert-butvl Ether
Concen: 17.58 ug/l
RT: 3.37 min Scan# 320
Delta R.T. -0.03 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

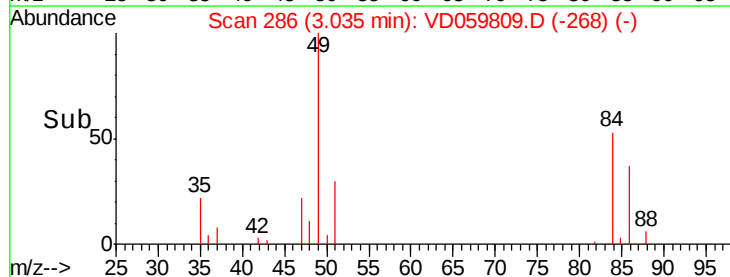
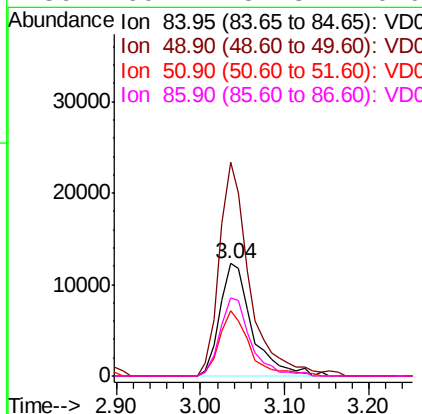
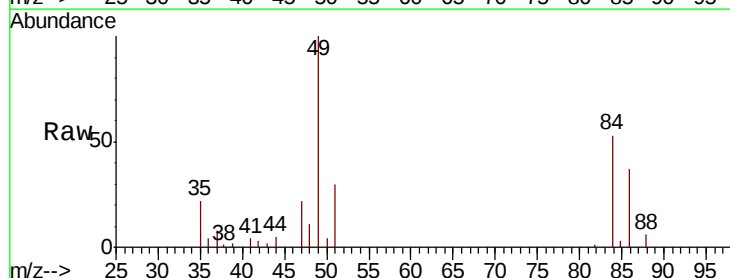
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

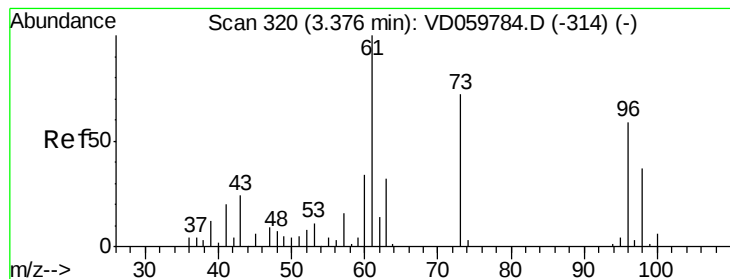
Tot Ion: 73 Resp: 99193
Ion Ratio Lower Upper
73 100
57 19.9 14.8 22.2



#20
Methylene Chloride
Concen: 21.39 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion: 84 Resp: 32598
Ion Ratio Lower Upper
84 100
49 189.8 140.9 211.3
51 57.7 42.8 64.2
86 69.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 12.90 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

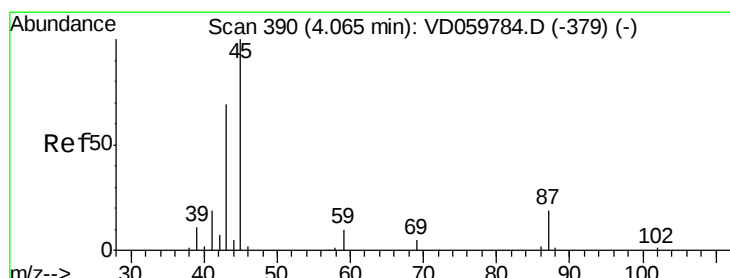
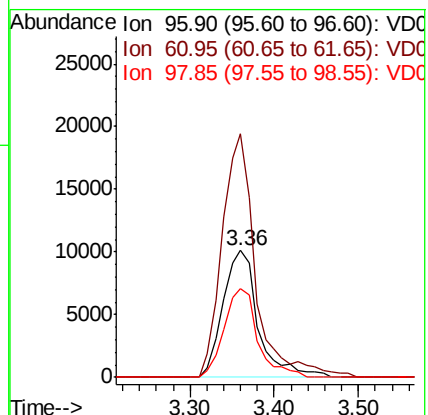
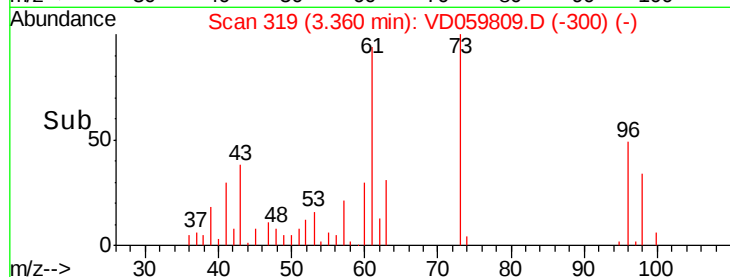
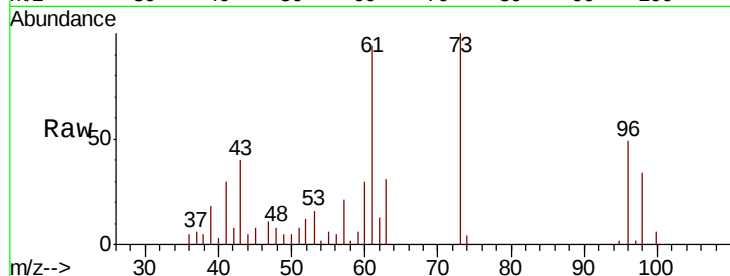
Tot Ion: 96 Resp: 29374

Ion Ratio Lower Upper

96 100

61 192.0 134.8 202.2

98 69.5 50.0 75.0



#22

Diisopropyl ether

Concen: 17.69 ug/l

RT: 4.04 min Scan# 388

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Tgt Ion: 45 Resp: 138565

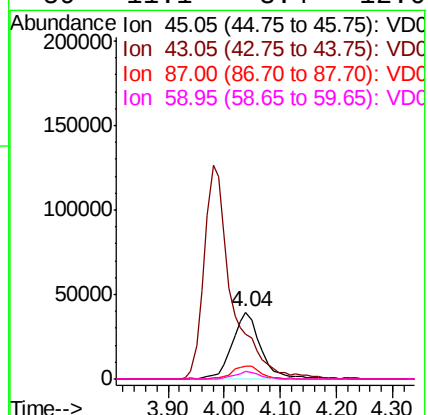
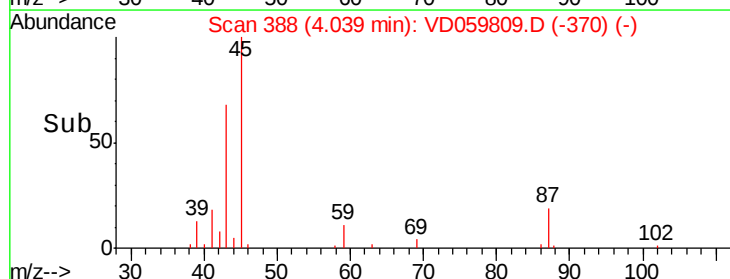
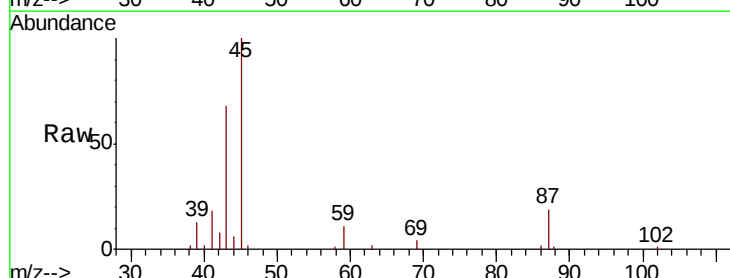
Ion Ratio Lower Upper

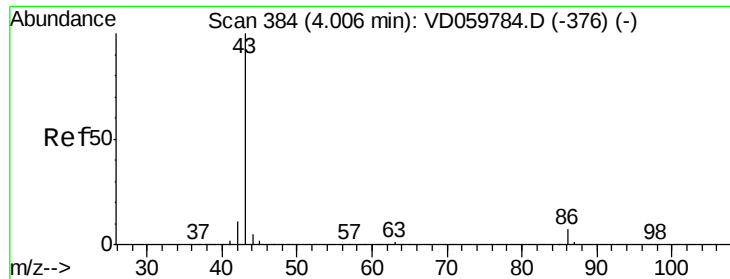
45 100

43 67.7 57.5 86.3

87 19.4 16.1 24.1

59 11.1 8.4 12.6

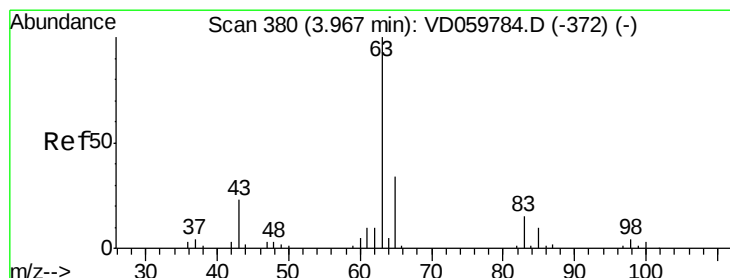
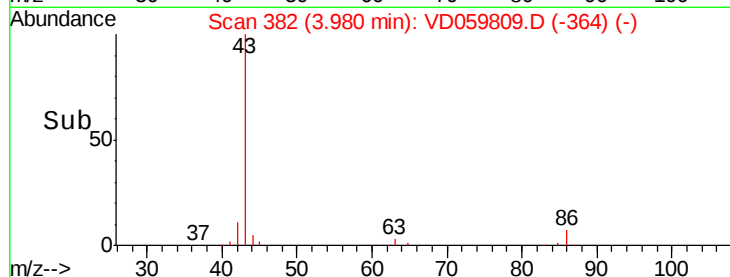
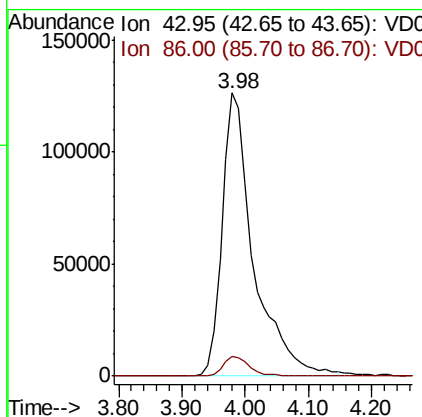
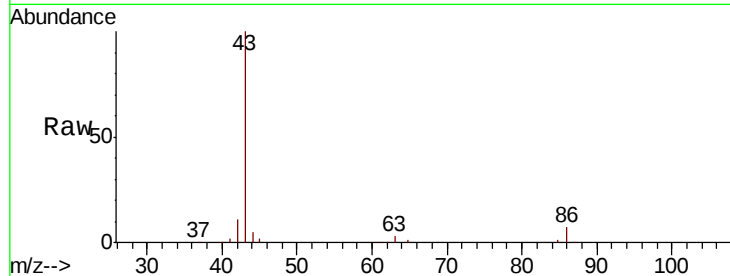




#23
 Vinyl Acetate
 Concen: 98.45 ug/l
 RT: 3.98 min Scan# 382
 Delta R.T. -0.03 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

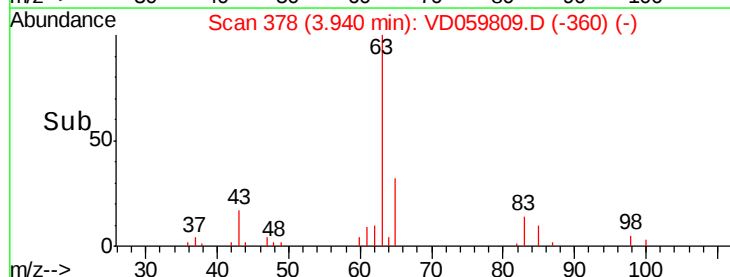
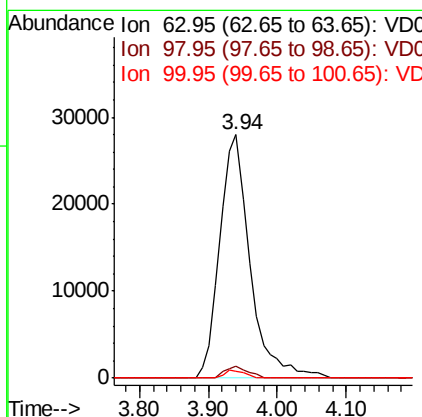
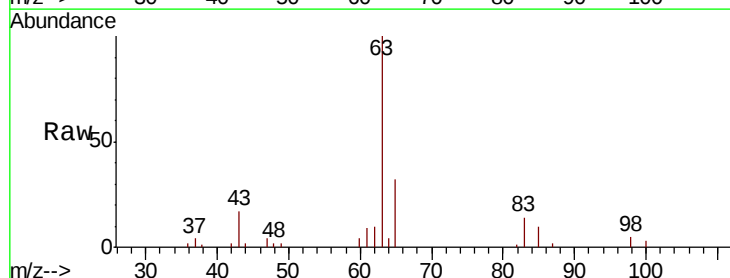
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

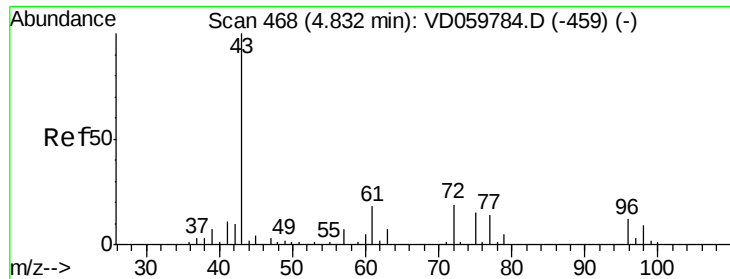
Tot Ion: 43 Resp: 436838
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 18.38 ug/l
 RT: 3.94 min Scan# 378
 Delta R.T. -0.03 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 63 Resp: 85454
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.2 6.6
 100 3.0 1.6 4.7





#25

2-Butanone

Concen: 84.26 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

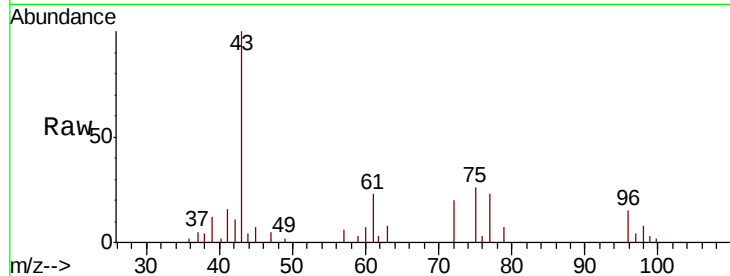
VD0816SBS01

Tot Ion: 43 Resp: 66986

Ion Ratio Lower Upper

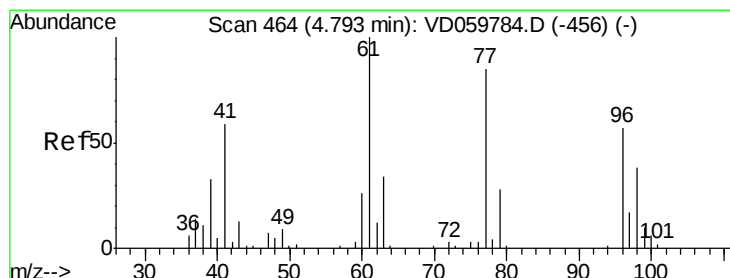
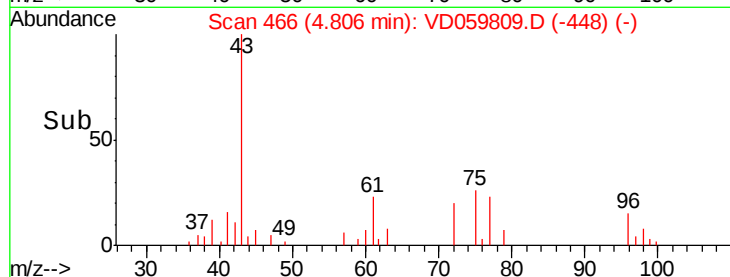
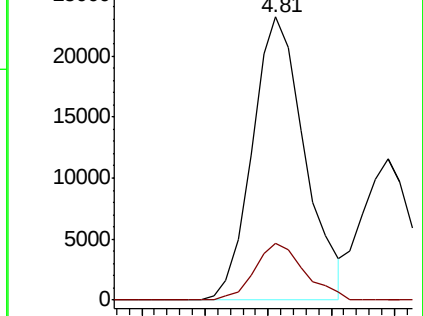
43 100

72 20.2 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.15 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059809.D

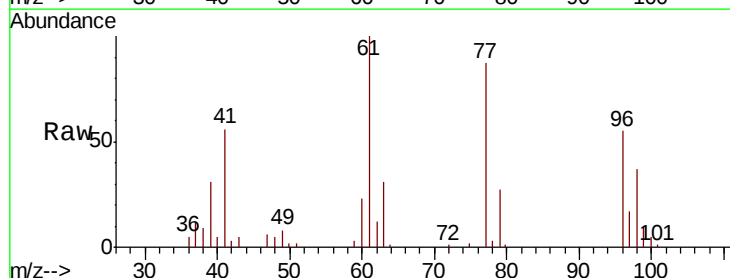
Acq: 16 Aug 2018 14:28

Tgt Ion: 77 Resp: 85661

Ion Ratio Lower Upper

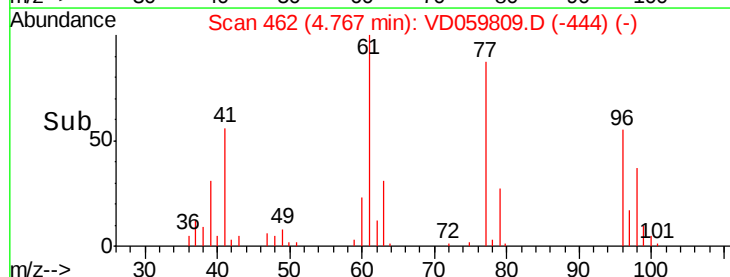
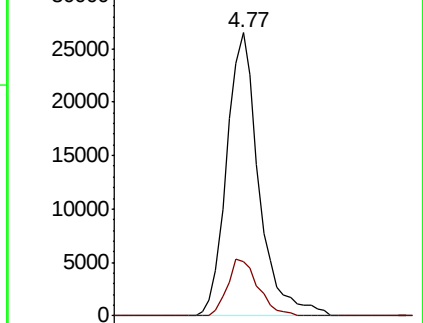
77 100

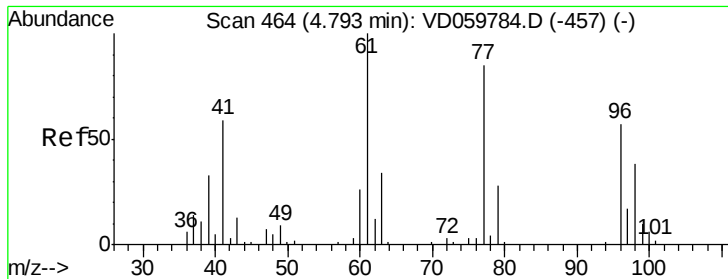
97 19.0 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

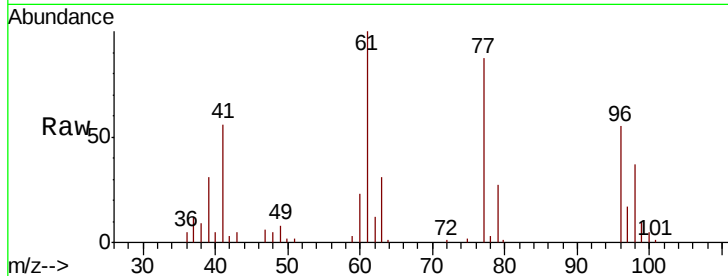
Tot Ion: 96 Resp: 48114

Ion Ratio Lower Upper

96 100

61 183.1 0.0 351.6

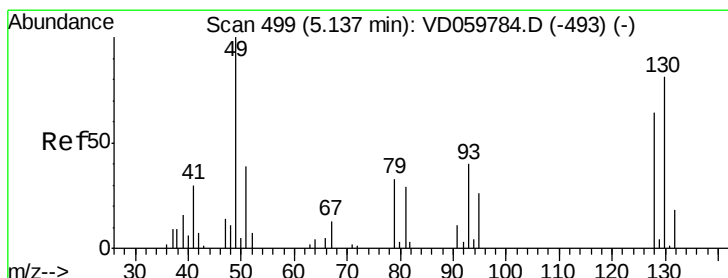
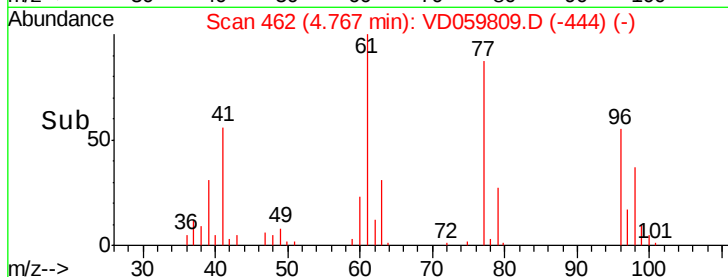
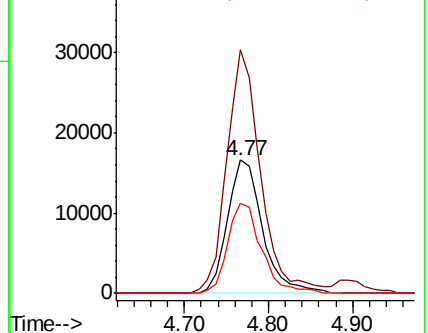
98 67.9 0.0 135.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 19.28 ug/l

RT: 5.11 min Scan# 497

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

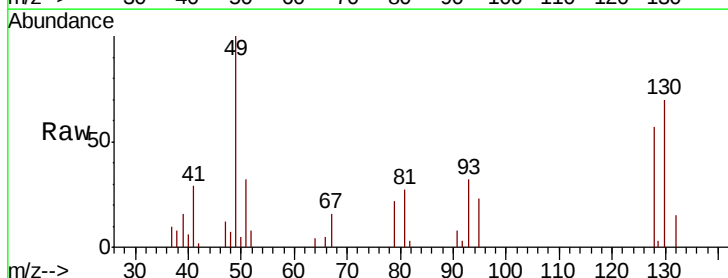
Tgt Ion: 49 Resp: 35170

Ion Ratio Lower Upper

49 100

129 2.8 0.0 7.0

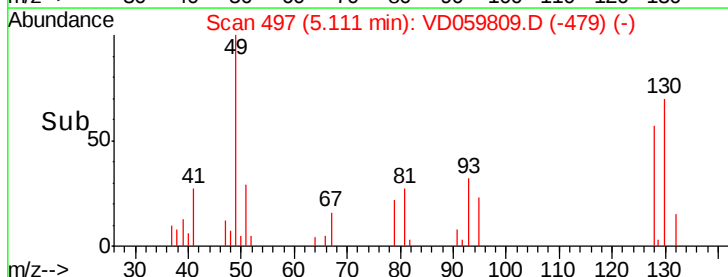
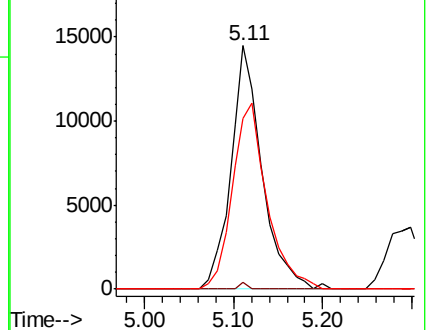
130 70.2 64.8 97.2

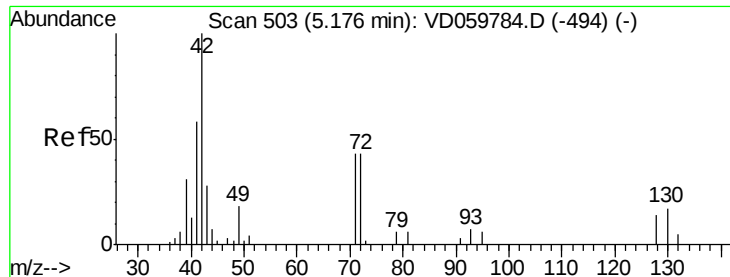


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 90.25 ug/l

RT: 5.15 min Scan# 501

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

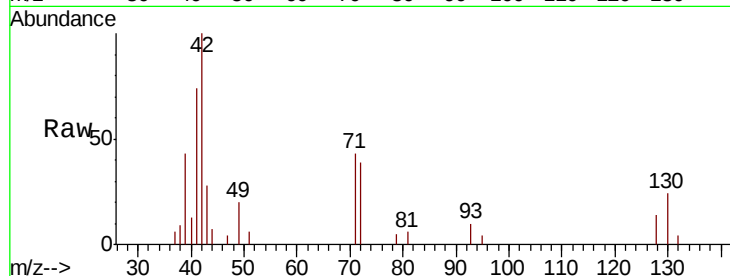
Tot Ion: 42 Resp: 30612

Ion Ratio Lower Upper

42 100

72 42.4 34.3 51.5

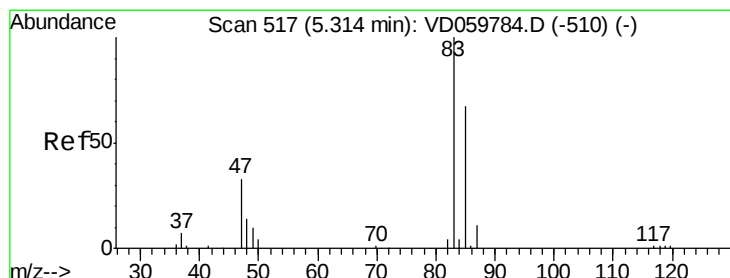
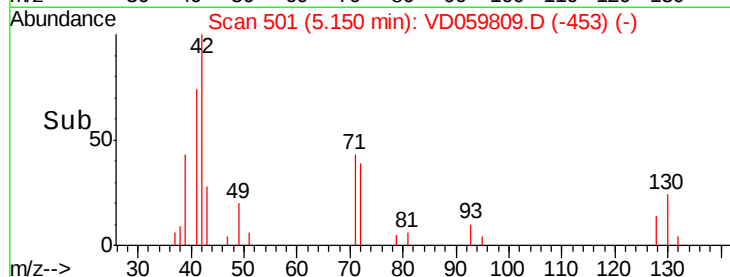
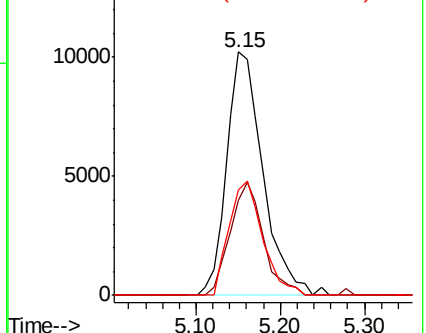
71 43.4 33.0 49.6



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: 18.46 ug/l

RT: 5.29 min Scan# 515

Delta R.T. -0.03 min

Lab File: VD059809.D

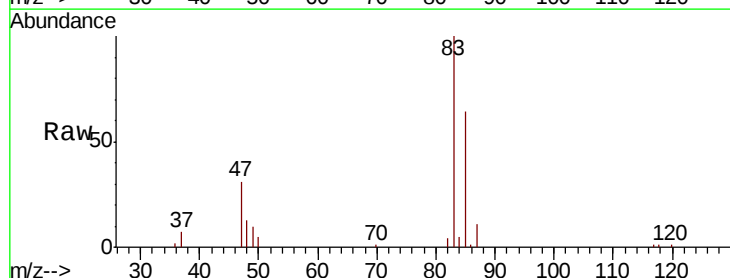
Acq: 16 Aug 2018 14:28

Tgt Ion: 83 Resp: 103015

Ion Ratio Lower Upper

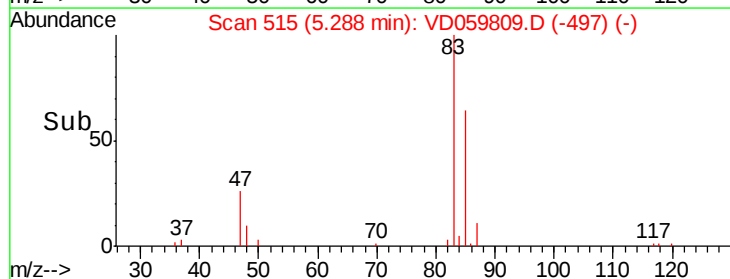
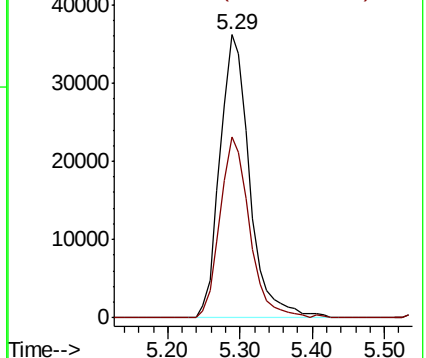
83 100

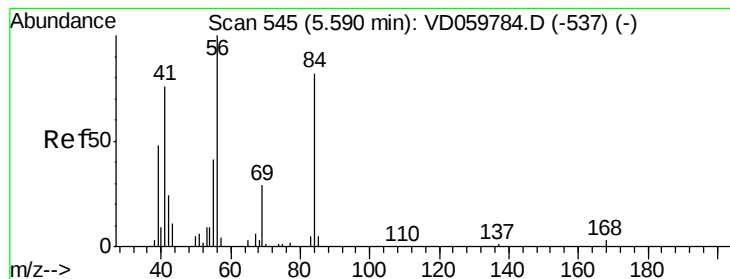
85 64.0 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.18 ug/l

RT: 5.56 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

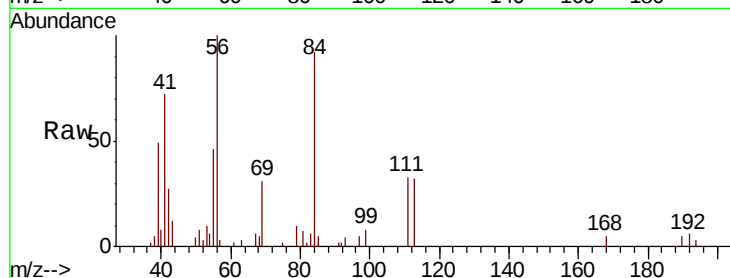
Tot Ion: 56 Resp: 57438

Ion Ratio Lower Upper

56 100

69 30.6 23.4 35.2

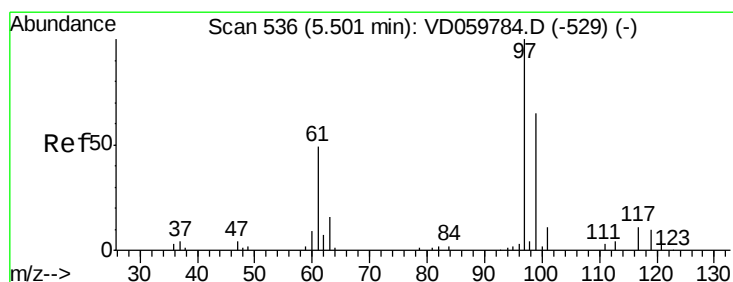
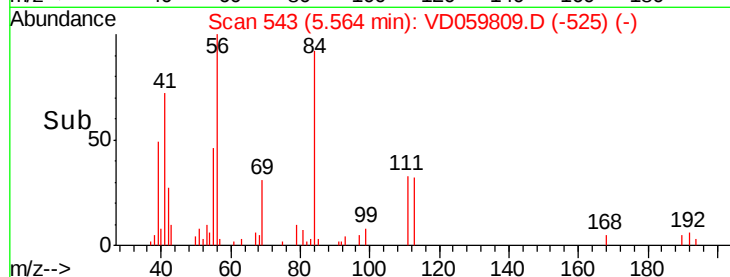
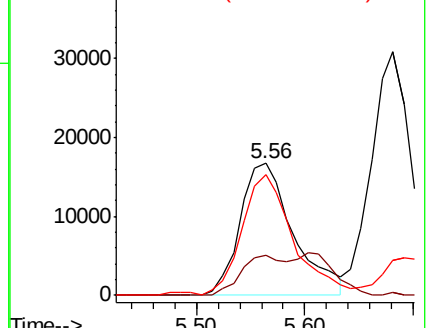
84 91.7 65.4 98.2



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: 18.49 ug/l

RT: 5.47 min Scan# 534

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

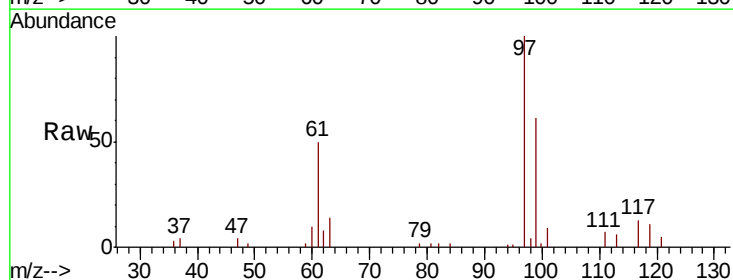
Tgt Ion: 97 Resp: 90711

Ion Ratio Lower Upper

97 100

99 61.4 52.2 78.2

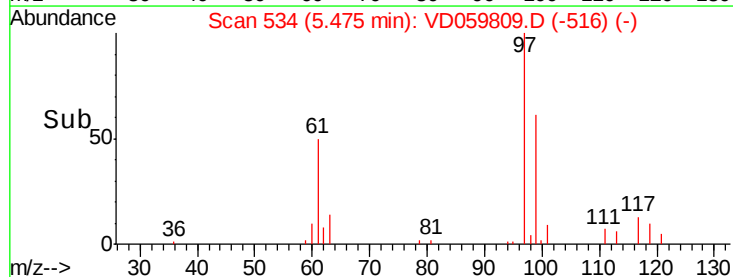
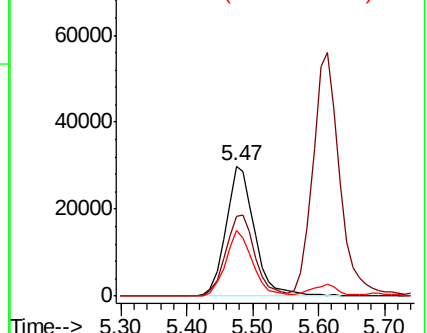
61 50.5 39.6 59.4

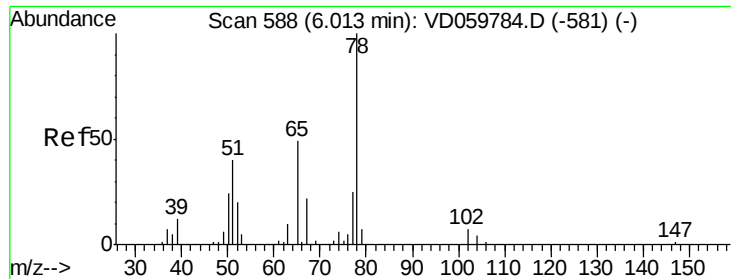


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 18.49 ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

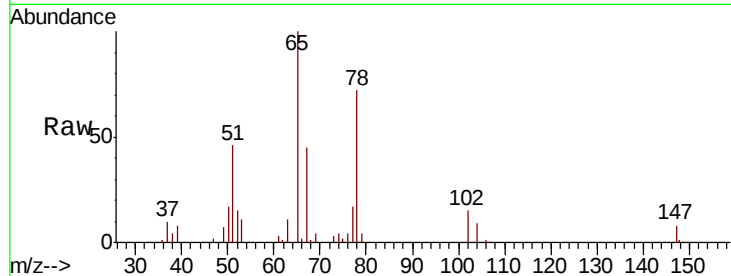
VD0816SBS01

Tot Ion: 65 Resp: 177015

Ion Ratio Lower Upper

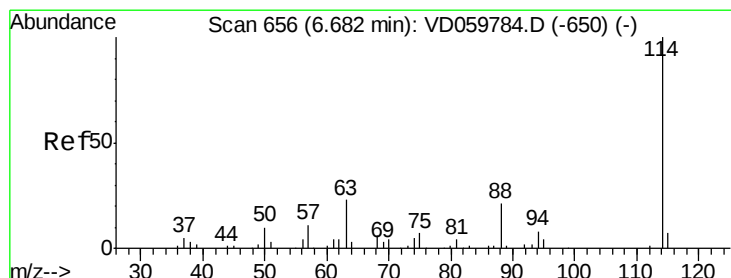
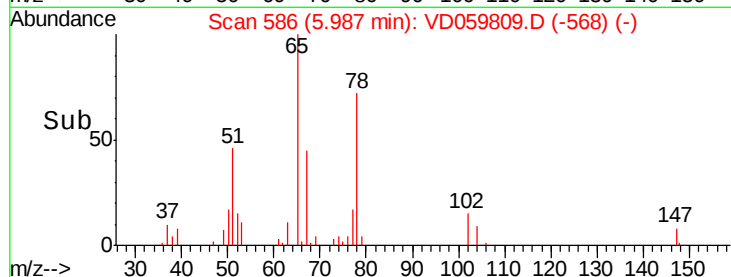
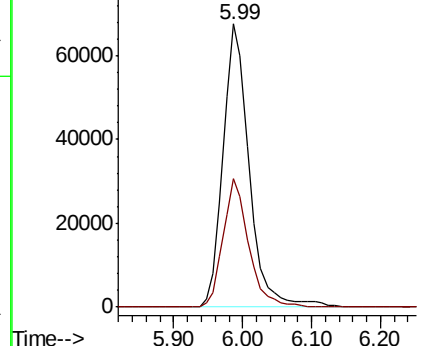
65 100

67 45.4 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.67 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

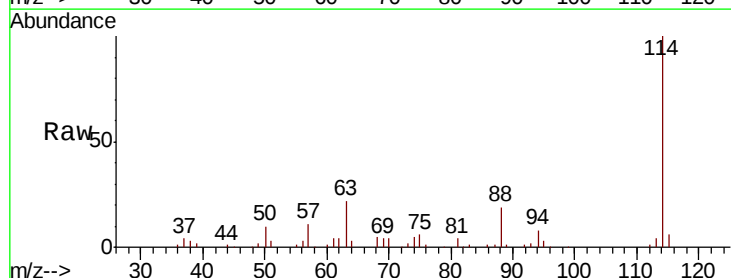
Tgt Ion: 114 Resp: 333801

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

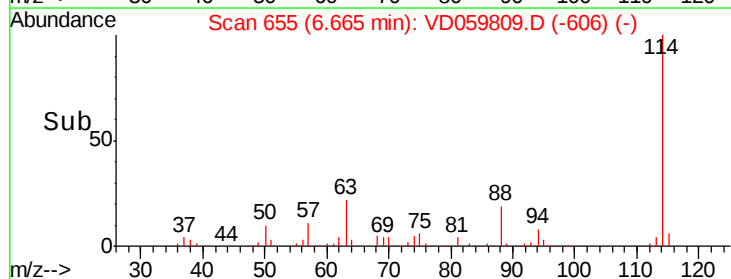
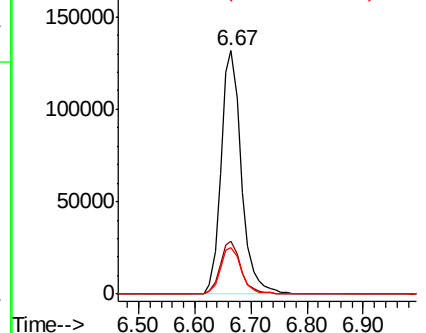
88 19.2 0.0 41.2

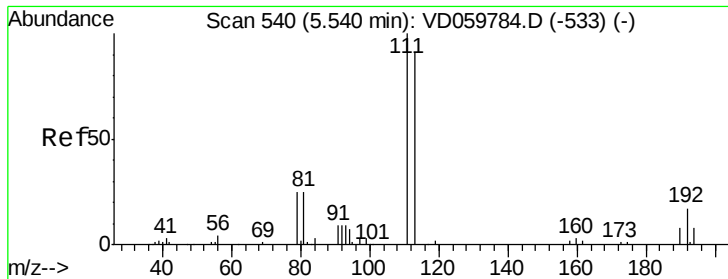


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 538

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

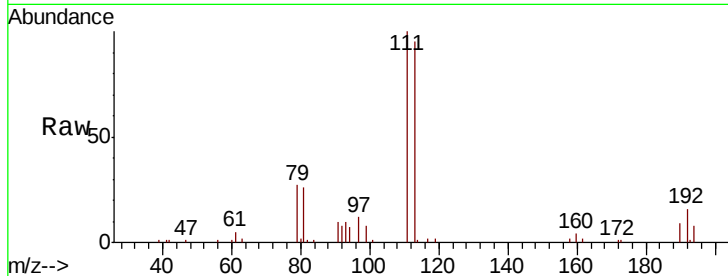
Tot Ion:113 Resp: 157891

Ion Ratio Lower Upper

113 100

111 104.9 87.7 131.5

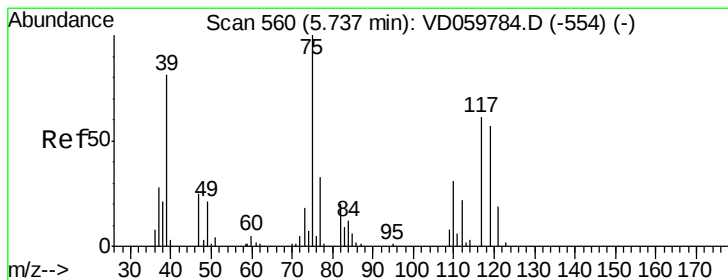
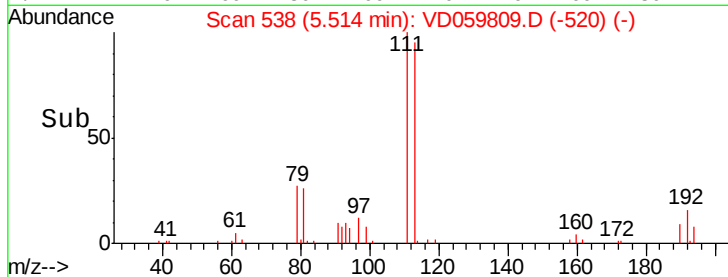
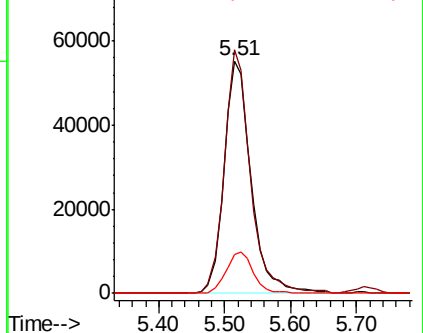
192 16.8 14.6 21.8



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: 18.80 ug/l

RT: 5.71 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

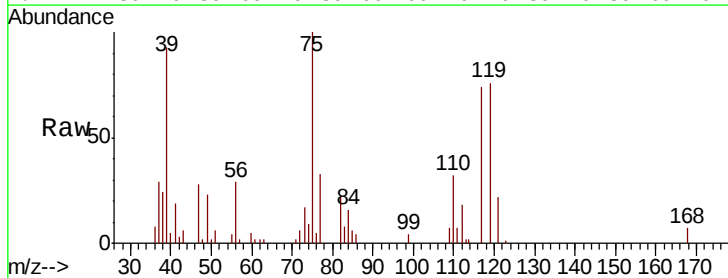
Tgt Ion: 75 Resp: 64382

Ion Ratio Lower Upper

75 100

110 32.2 15.3 45.8

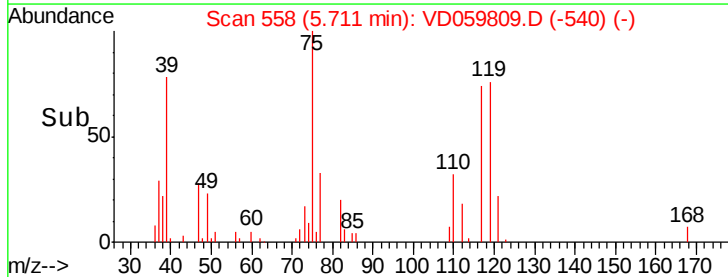
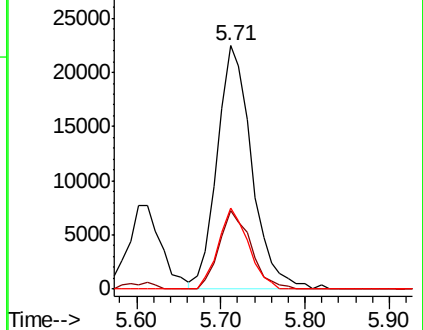
77 33.2 26.2 39.4

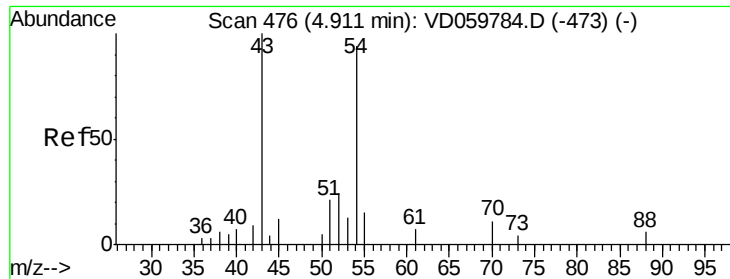


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

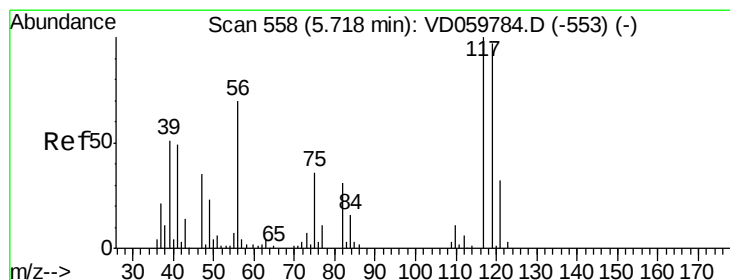
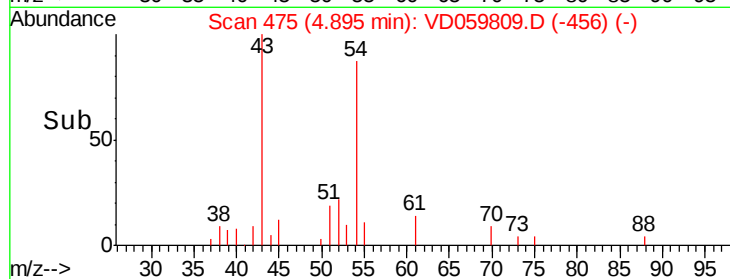
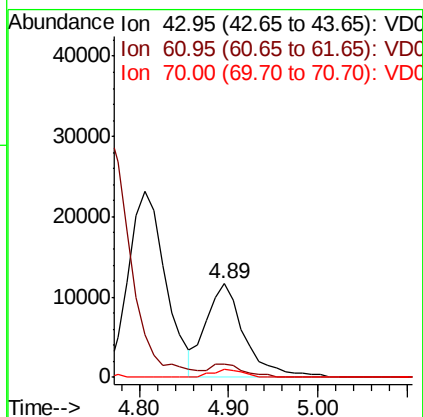
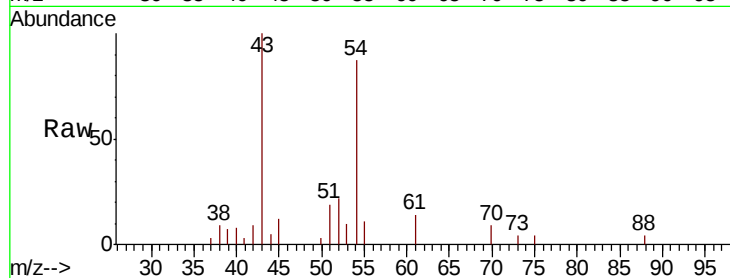




#37
Ethyl Acetate
Concen: 20.33 ug/l
RT: 4.89 min Scan# 475
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

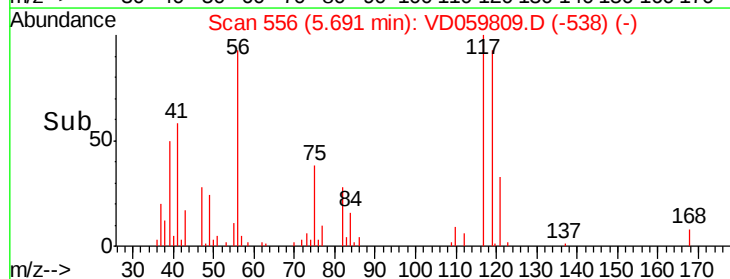
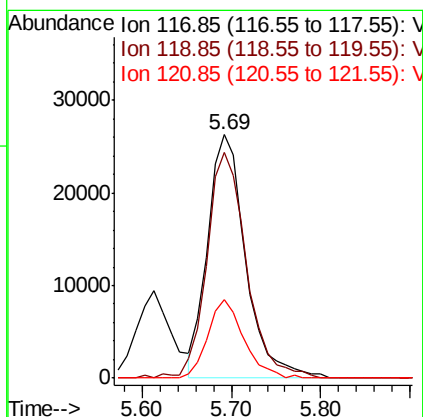
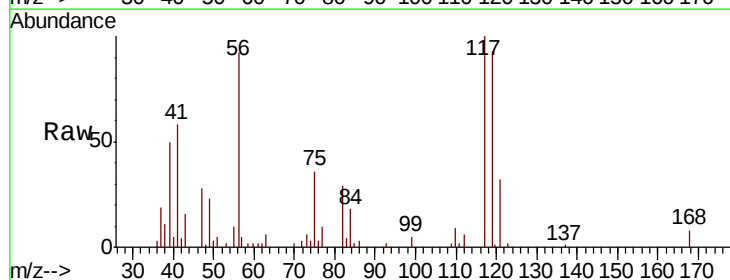
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

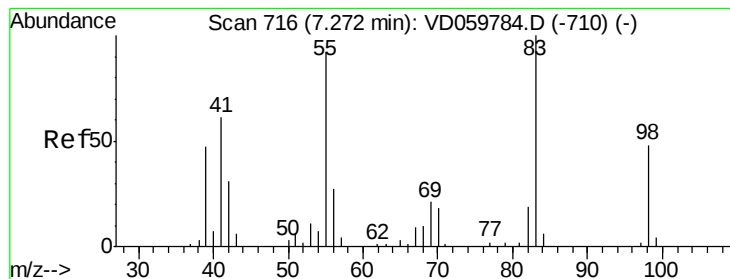
Tot Ion: 43 Resp: 34816
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 8.5 5.8 8.8



#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion: 117 Resp: 78158
Ion Ratio Lower Upper
117 100
119 92.7 75.7 113.5
121 32.1 24.7 37.1





#39

Methvlcvclohexane

Concen: 17.93 ug/l

RT: 7.26 min Scan# 715

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

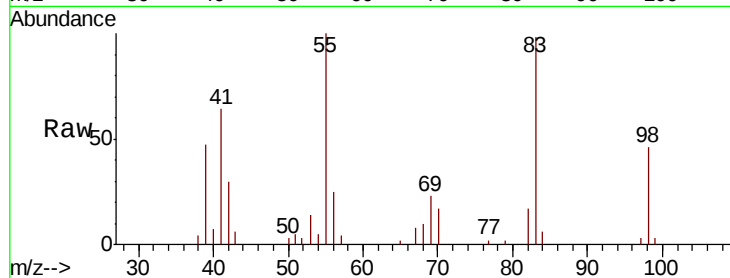
Tot Ion: 83 Resp: 53123

Ion Ratio Lower Upper

83 100

55 102.0 73.8 110.6

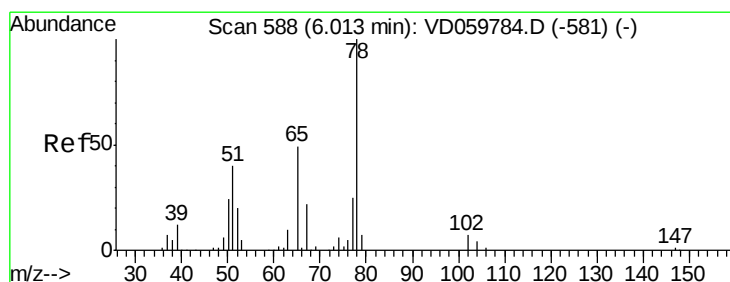
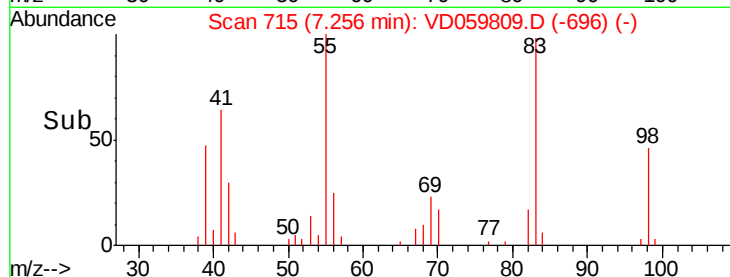
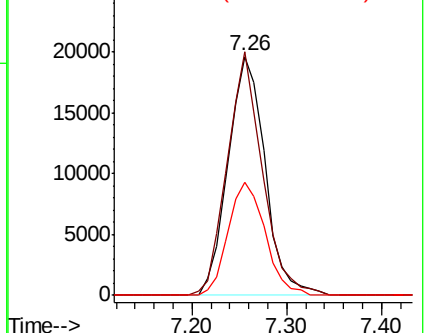
98 47.2 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 18.80 ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059809.D

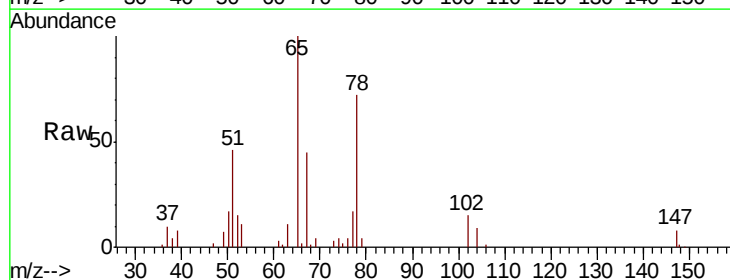
Acq: 16 Aug 2018 14:28

Tgt Ion: 78 Resp: 136598

Ion Ratio Lower Upper

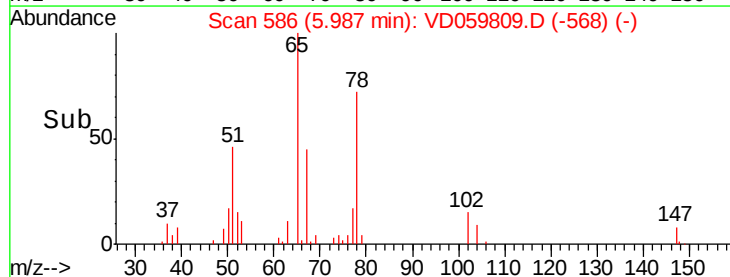
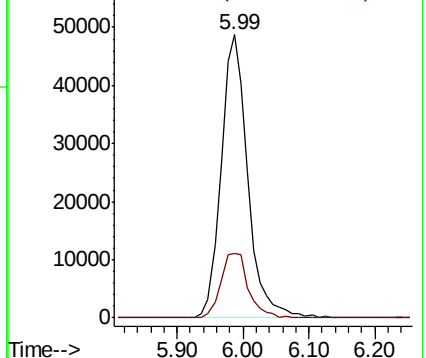
78 100

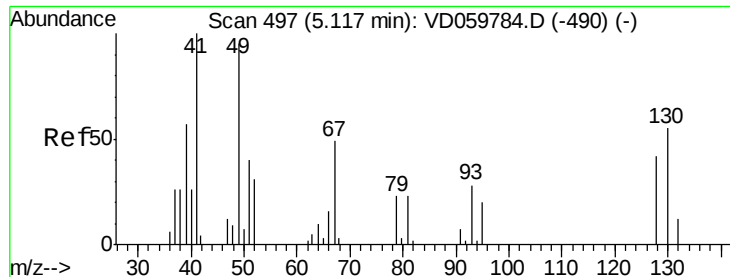
77 23.0 19.6 29.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

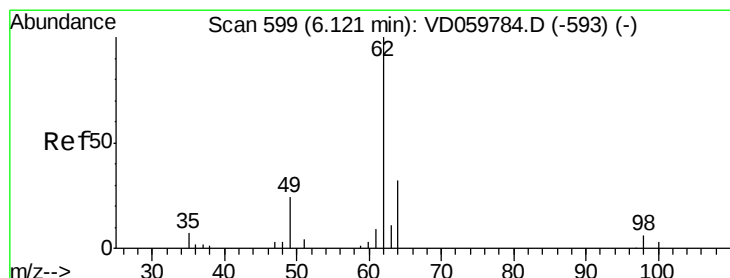
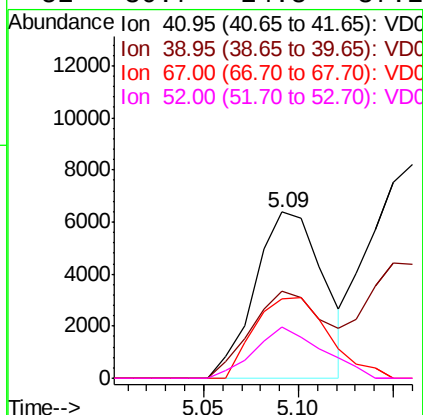
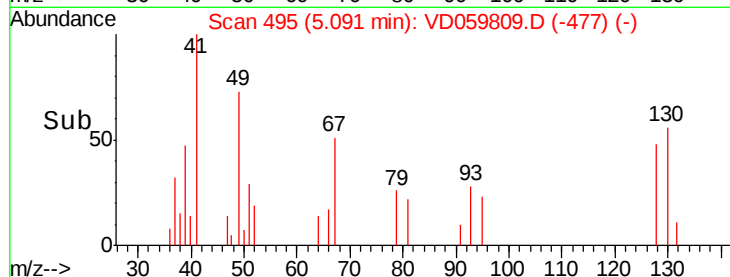
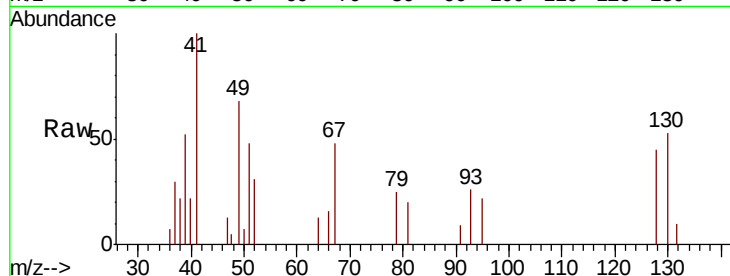




#41
Methacrylonitrile
Concen: 19.64 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.03 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

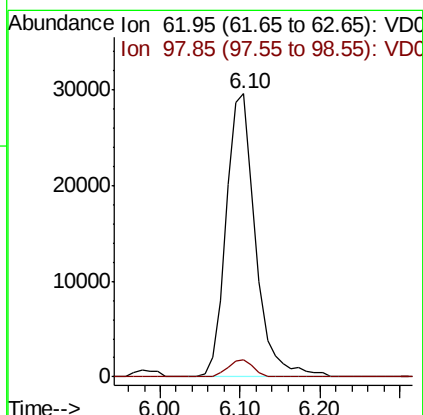
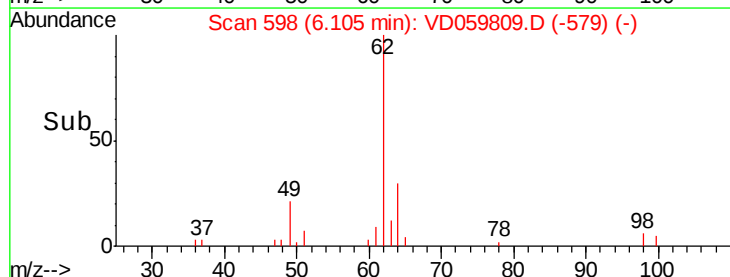
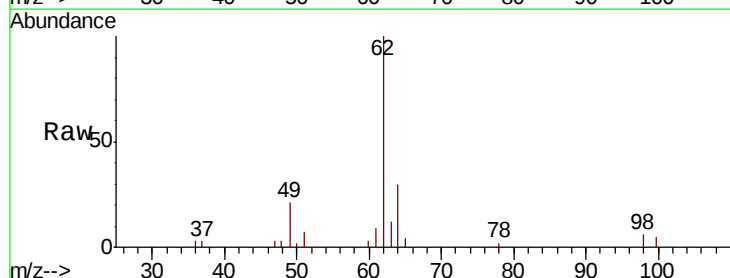
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

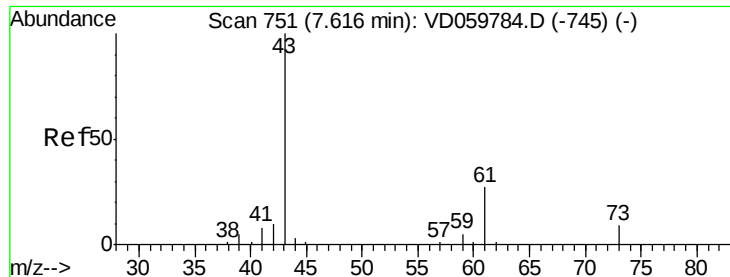
Tot Ion:	41	Resp:	16094
Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.4	68.2
67	47.9	39.5	59.3
52	30.7	24.8	37.2



#42
1,2-Dichloroethane
Concen: 19.40 ug/l
RT: 6.10 min Scan# 598
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion:	62	Resp:	76261
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	12.0





#43

Isopropyl Acetate

Concen: 19.18 ug/l

RT: 7.59 min Scan# 749

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

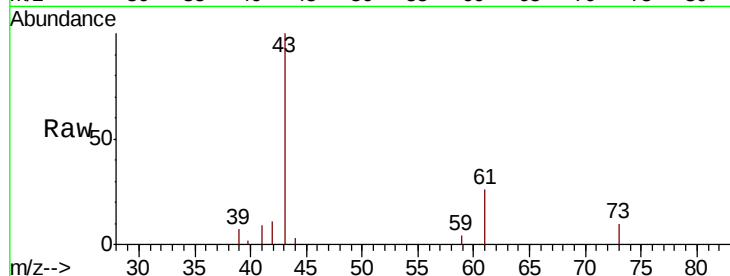
Tot Ion: 43 Resp: 41481

Ion Ratio Lower Upper

43 100

61 25.9 21.2 31.8

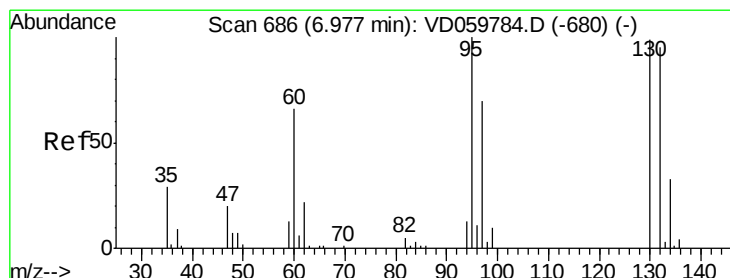
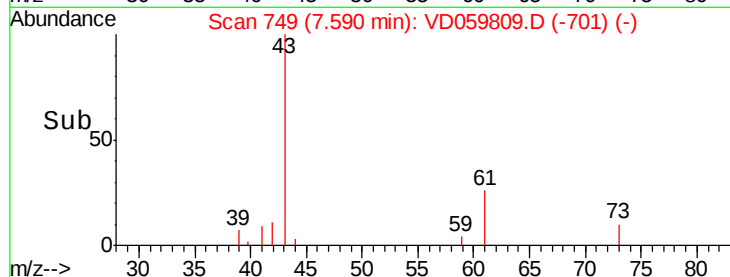
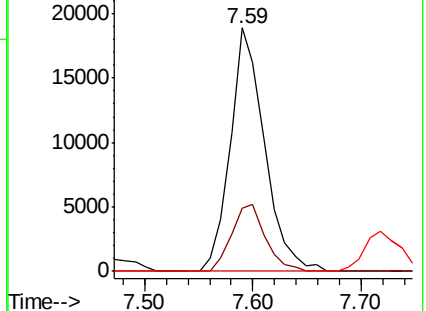
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.10 ug/l

RT: 6.95 min Scan# 684

Delta R.T. -0.03 min

Lab File: VD059809.D

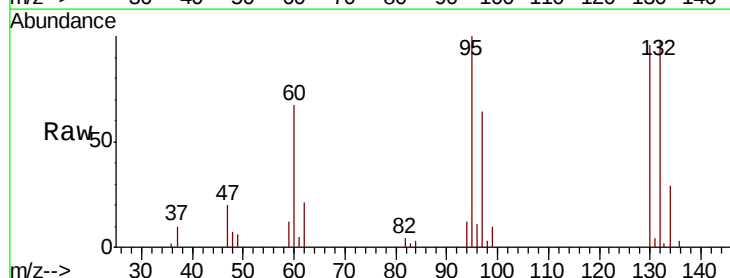
Acq: 16 Aug 2018 14:28

Tgt Ion:130 Resp: 47513

Ion Ratio Lower Upper

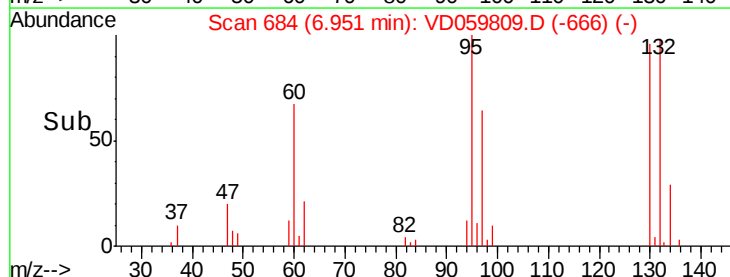
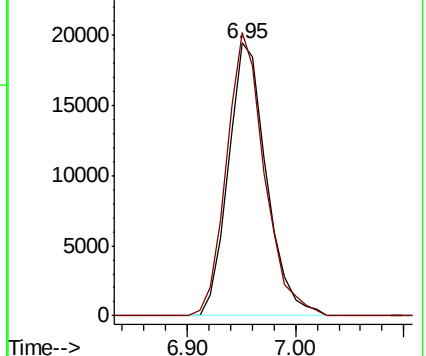
130 100

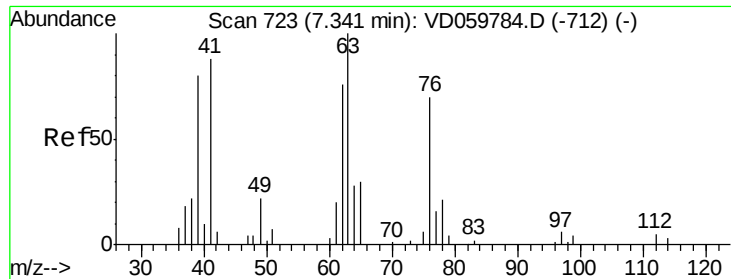
95 103.7 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.44 ug/l

RT: 7.32 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

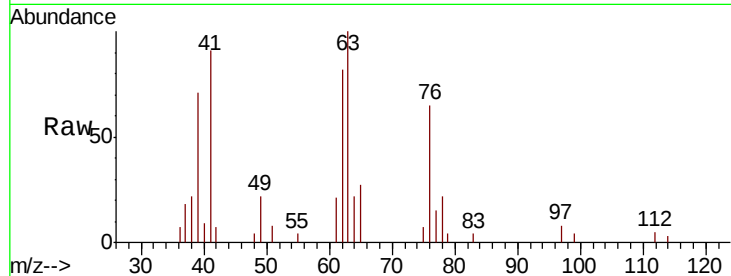
VD0816SBS01

Tot Ion: 63 Resp: 34818

Ion Ratio Lower Upper

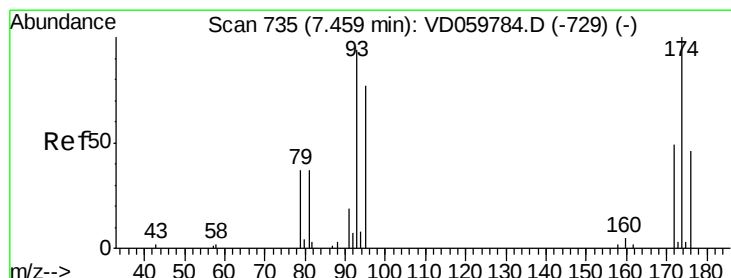
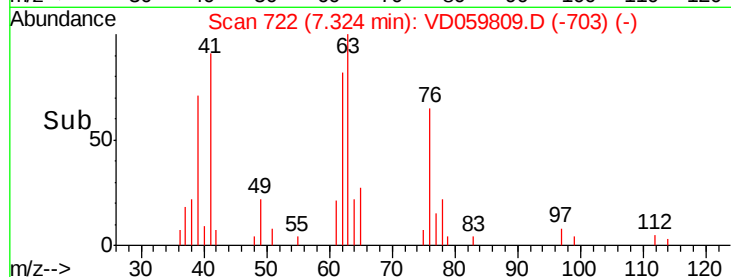
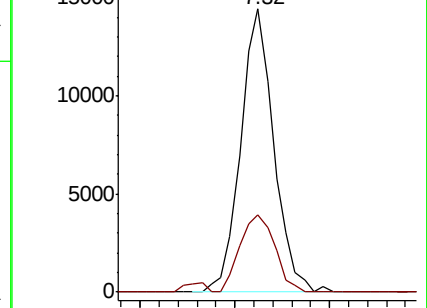
63 100

65 27.4 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.90 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

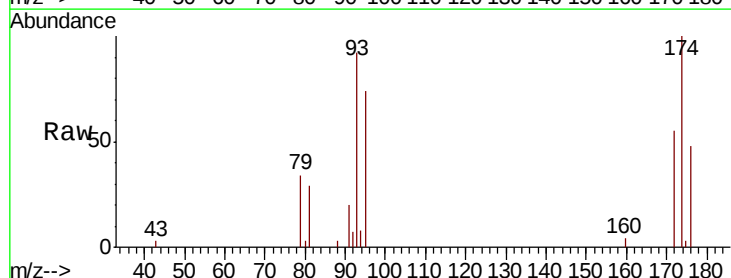
Tgt Ion: 93 Resp: 29186

Ion Ratio Lower Upper

93 100

95 80.9 66.2 99.4

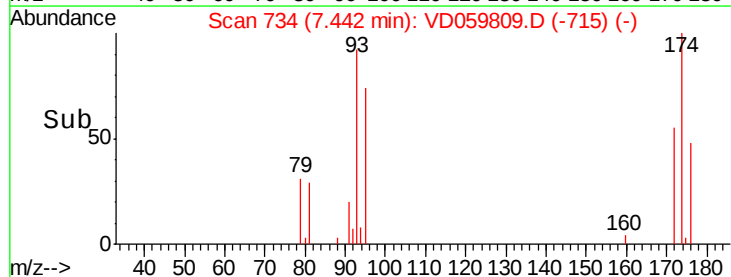
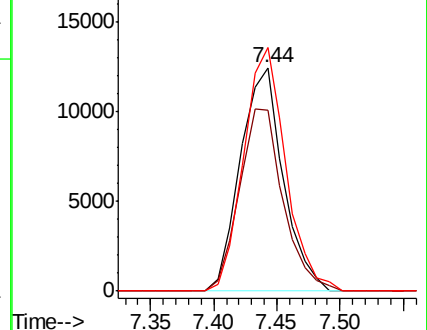
174 108.9 85.5 128.3

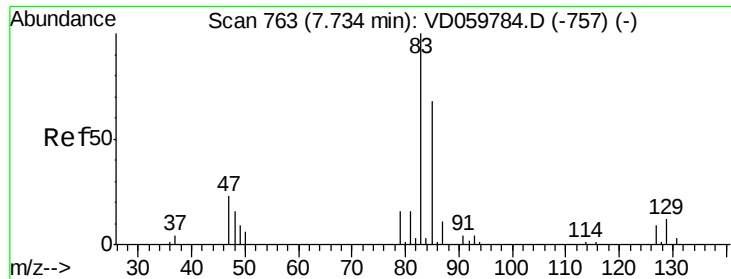


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.79 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

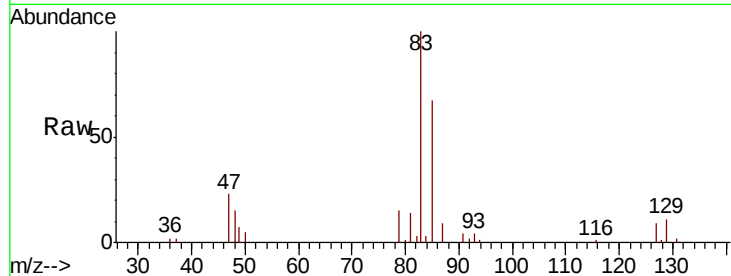
Tot Ion: 83 Resp: 74867

Ion Ratio Lower Upper

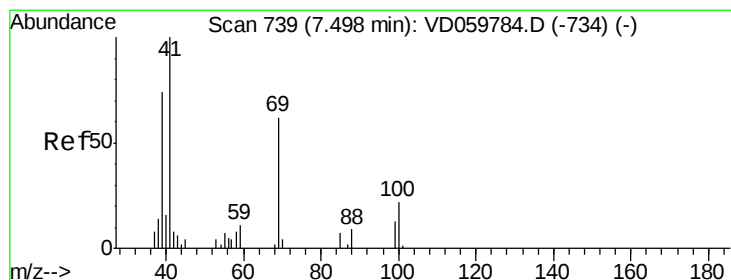
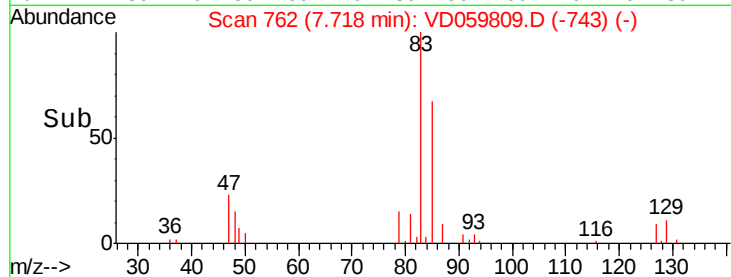
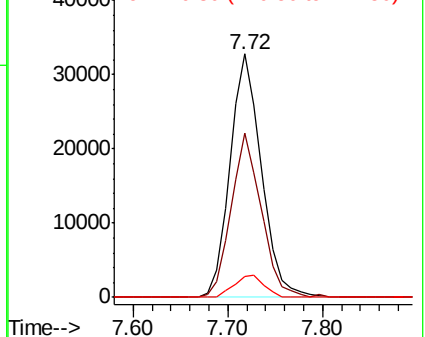
83 100

85 67.3 54.1 81.1

127 8.7 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.59 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

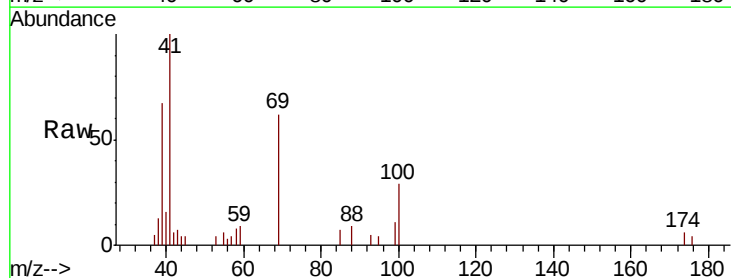
Tgt Ion: 41 Resp: 27656

Ion Ratio Lower Upper

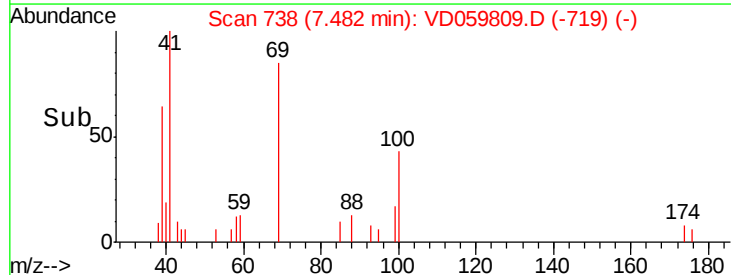
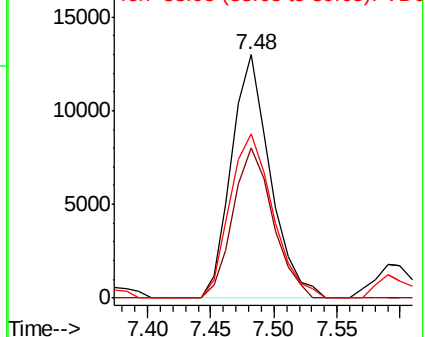
41 100

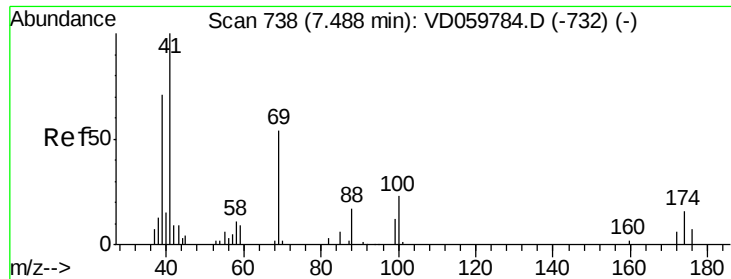
69 61.7 49.8 74.8

39 67.4 59.0 88.4



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: 386.32 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

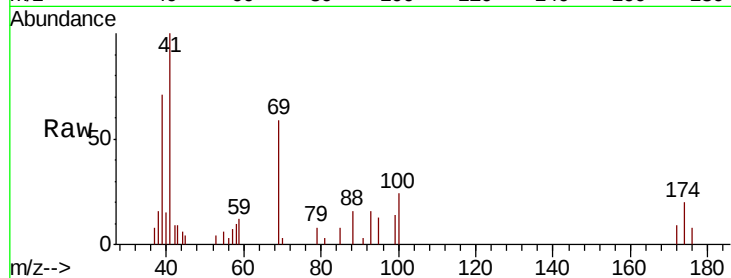
Tot Ion: 88 Resp: 4802

Ion Ratio Lower Upper

88 100

43 55.5 42.0 63.0

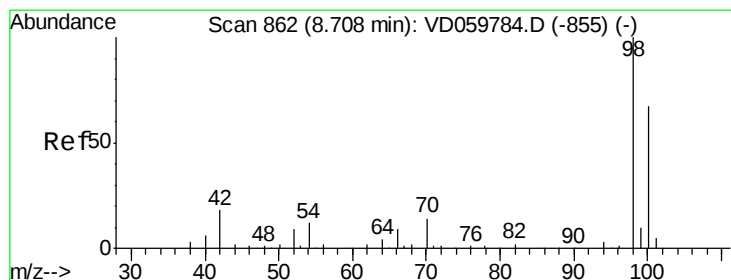
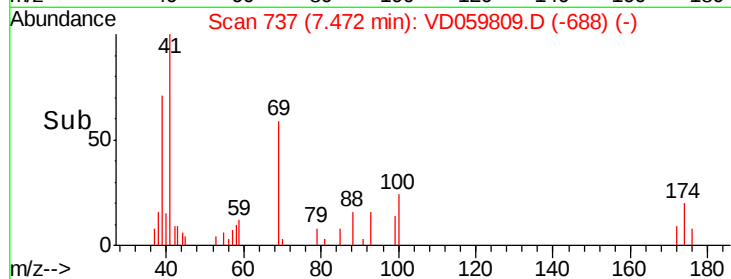
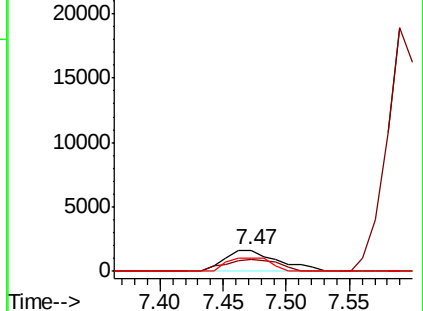
58 60.2 51.4 77.0



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: 386.32 ug/l

RT: 8.68 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059809.D

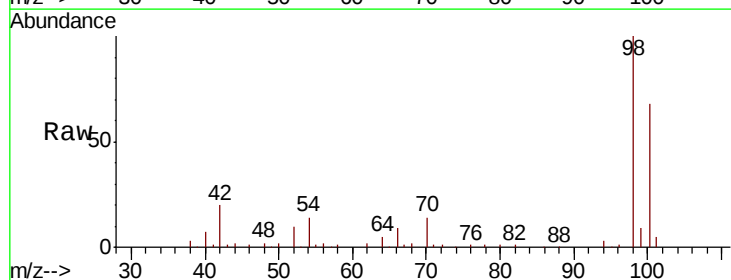
Acq: 16 Aug 2018 14:28

Tgt Ion: 98 Resp: 358901

Ion Ratio Lower Upper

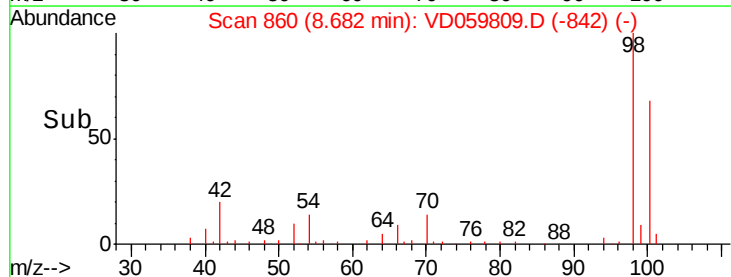
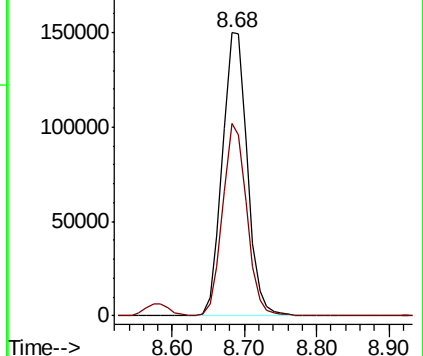
98 100

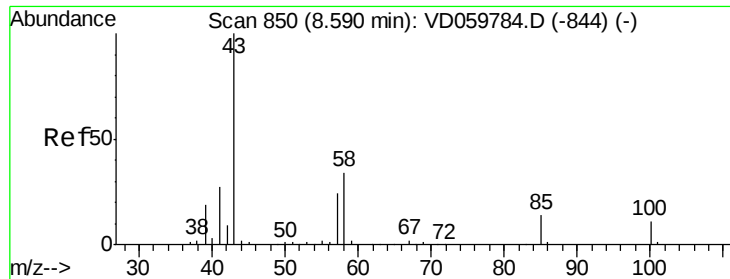
100 68.1 54.2 81.4



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: 86.15 ug/l

RT: 8.57 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

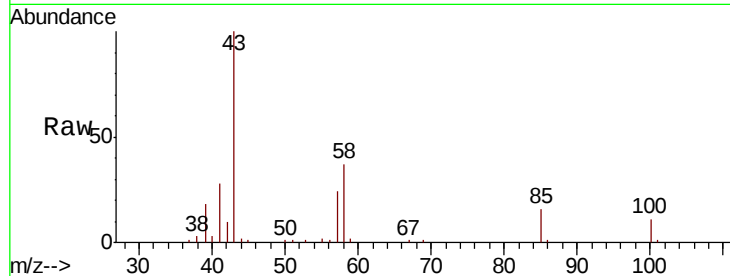
VD0816SBS01

Tot Ion: 43 Resp: 140858

Ion Ratio Lower Upper

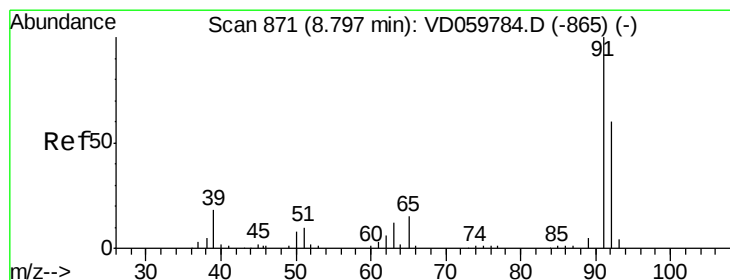
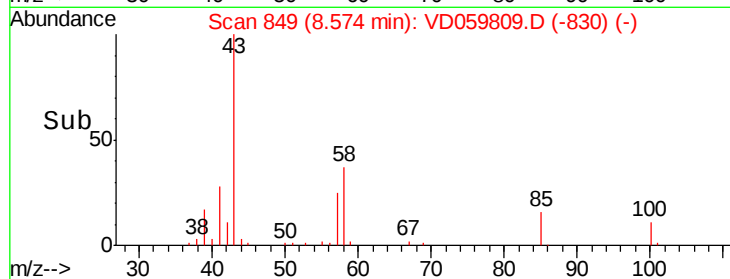
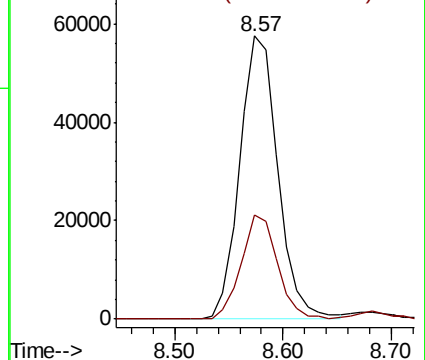
43 100

58 36.9 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.05 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD059809.D

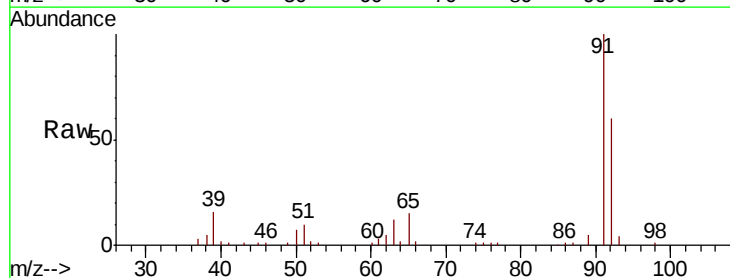
Acq: 16 Aug 2018 14:28

Tgt Ion: 92 Resp: 88647

Ion Ratio Lower Upper

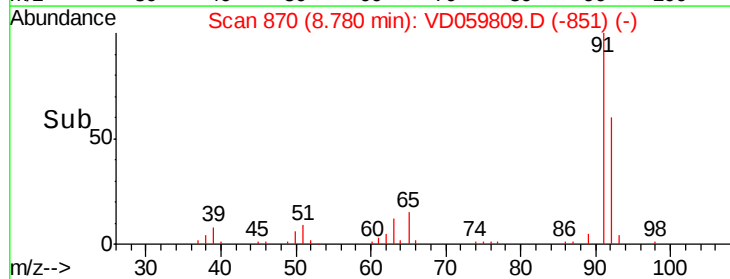
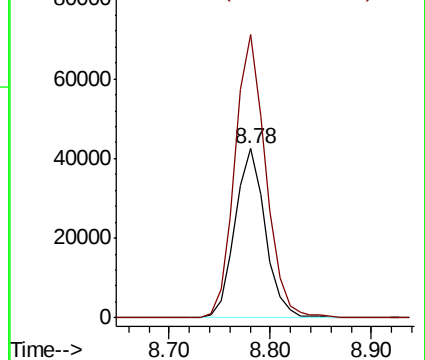
92 100

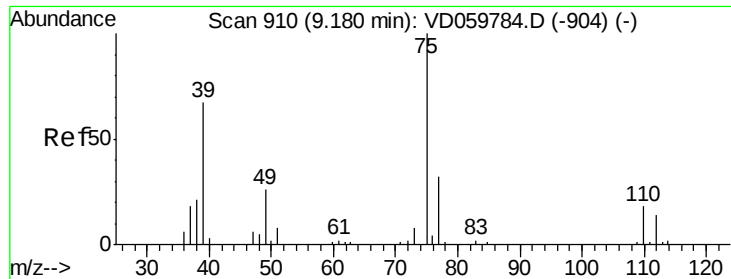
91 167.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

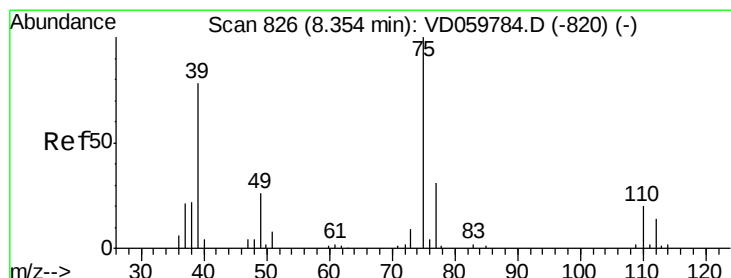
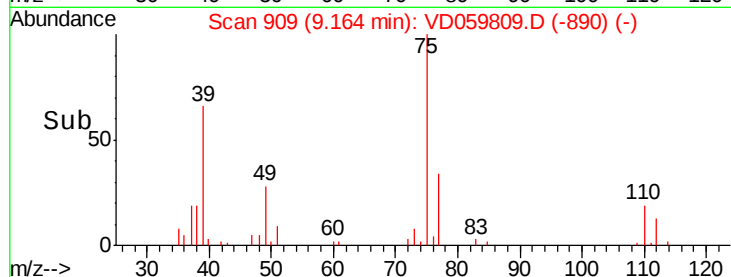
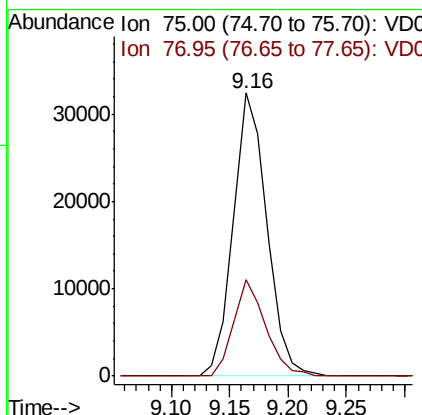
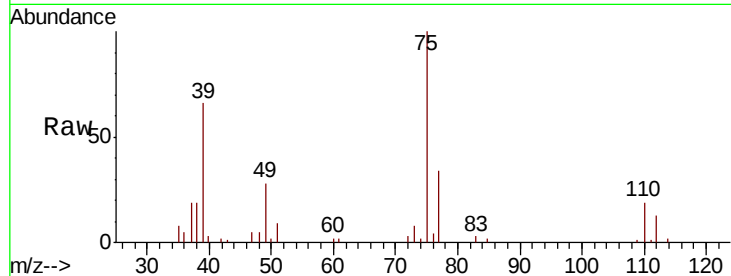




#53
 t-1,3-Dichloropropene
 Concen: 20.60 ug/l
 RT: 9.16 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

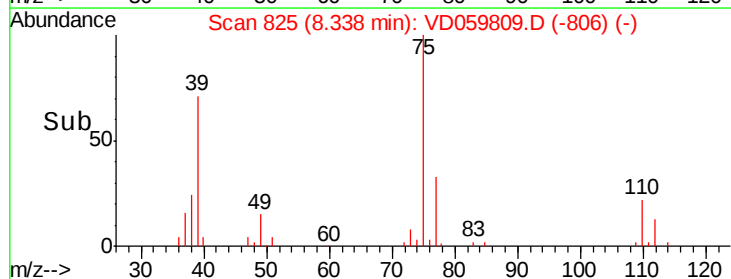
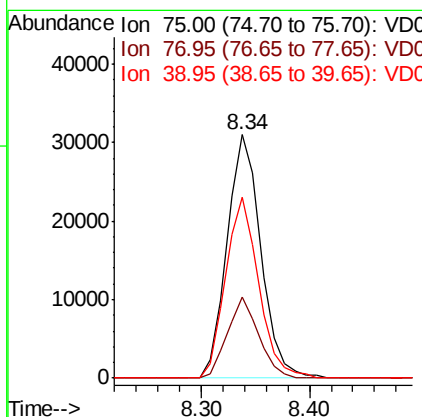
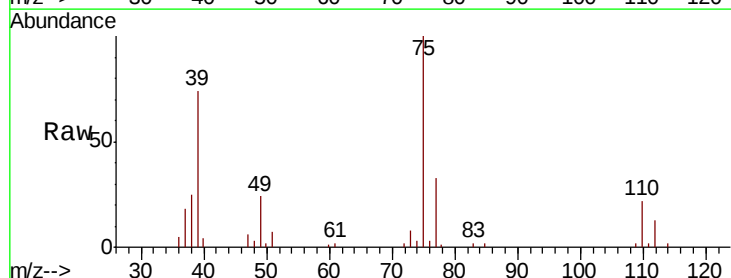
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

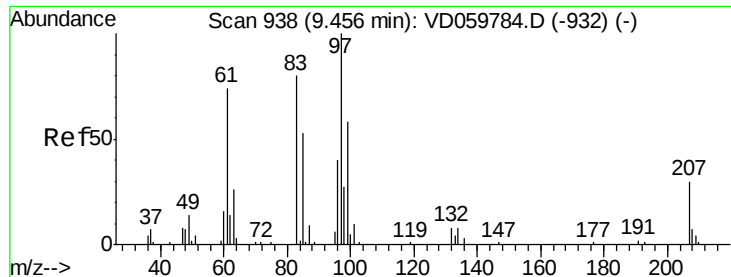
Tot Ion: 75 Resp: 64623
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.83 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 75 Resp: 67242
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.8 37.2
 39 74.5 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 18.56 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

Tot Ion: 97 Resp: 31890

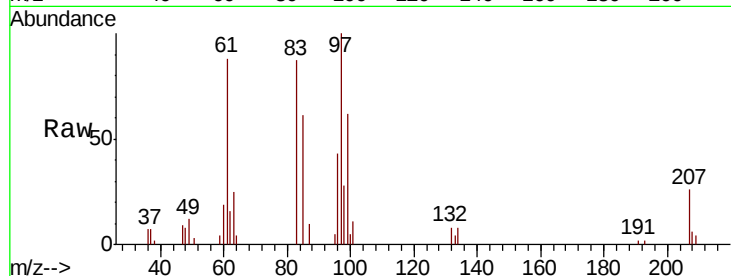
Ion Ratio Lower Upper

97 100

83 87.0 63.8 95.8

85 60.6 42.5 63.7

99 62.5 46.2 69.4

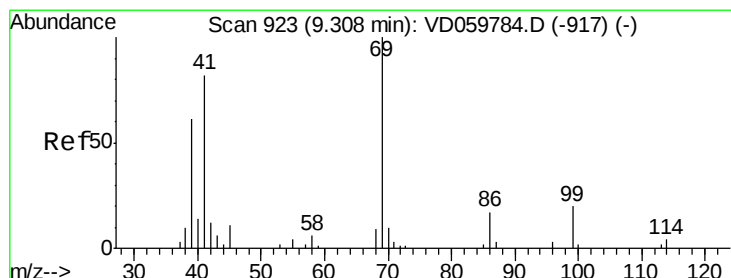
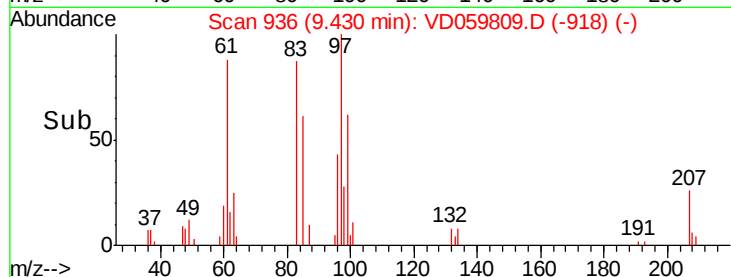
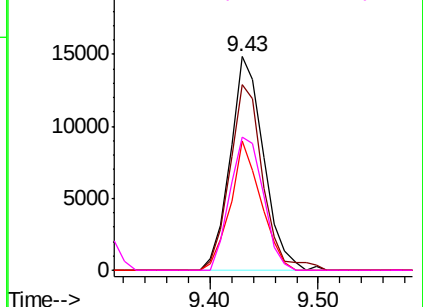


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.59 ug/l

RT: 9.29 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

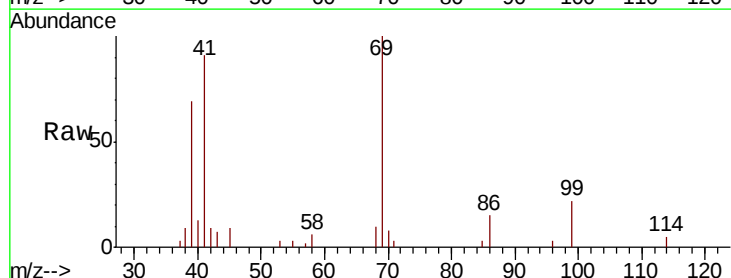
Tgt Ion: 69 Resp: 36448

Ion Ratio Lower Upper

69 100

41 91.1 65.8 98.8

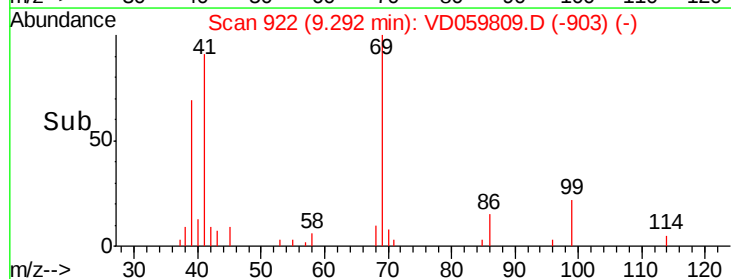
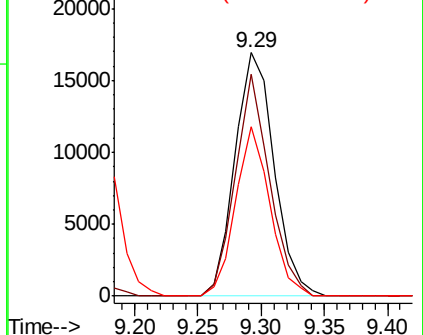
39 69.3 49.7 74.5

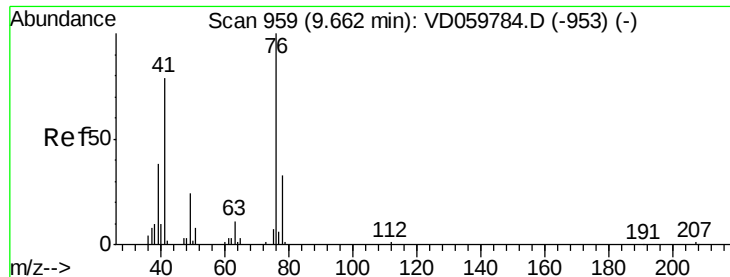


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.93 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

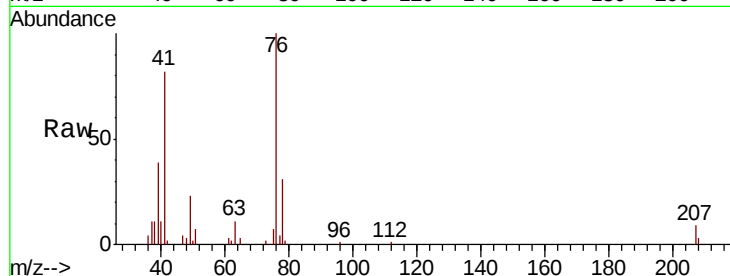
VD0816SBS01

Tot Ion: 76 Resp: 50954

Ion Ratio Lower Upper

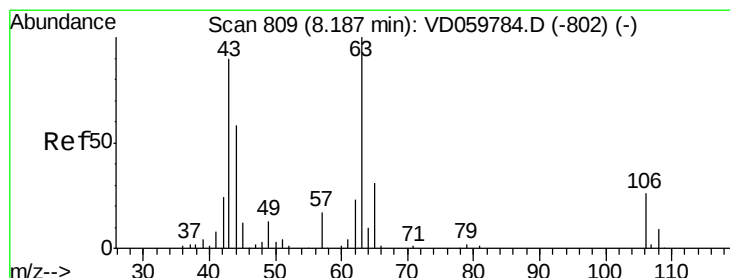
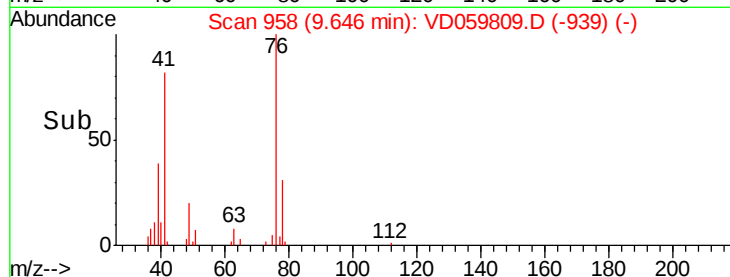
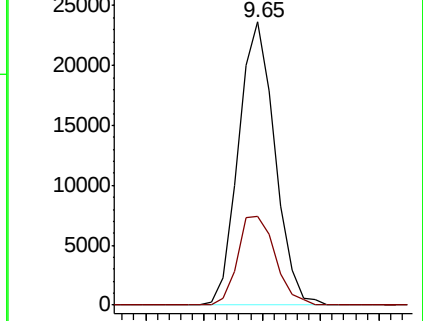
76 100

78 31.4 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.25 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD059809.D

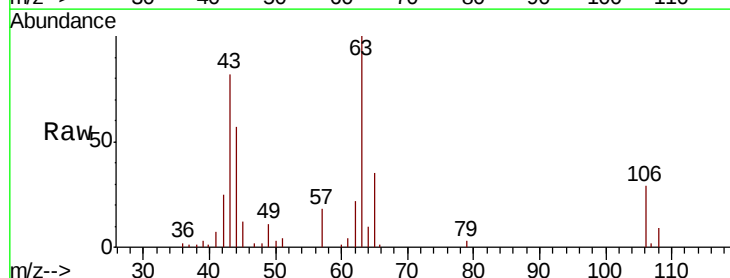
Acq: 16 Aug 2018 14:28

Tgt Ion: 63 Resp: 97706

Ion Ratio Lower Upper

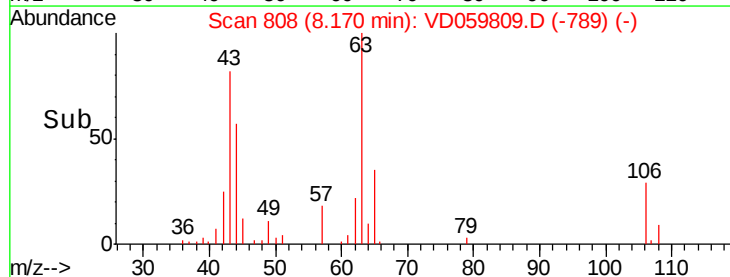
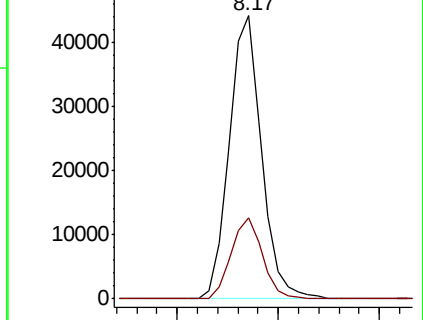
63 100

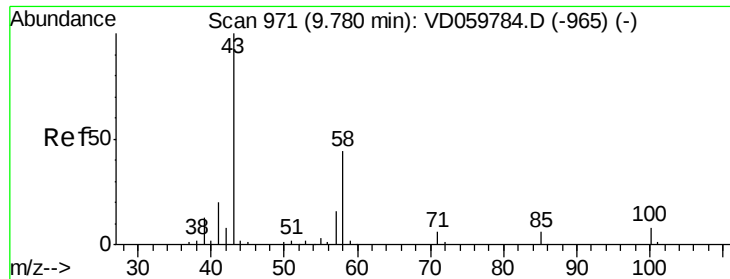
106 28.6 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

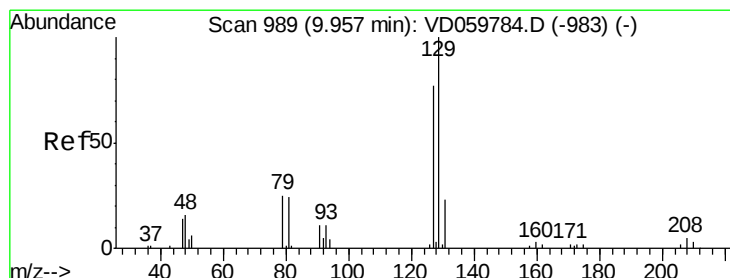
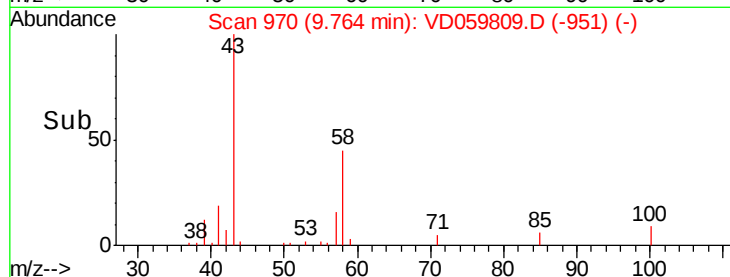
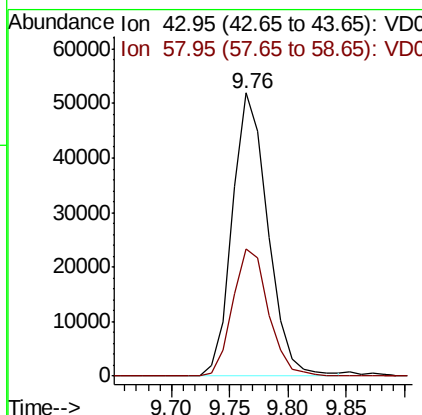
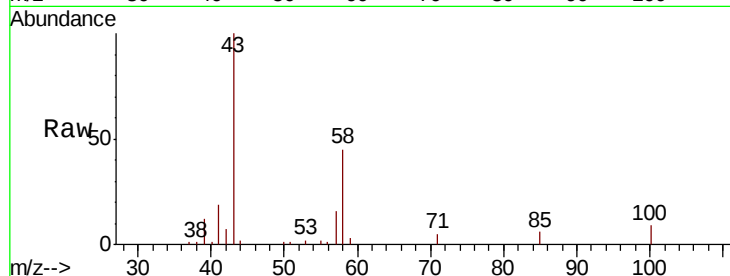




#59
2-Hexanone
Concen: 93.21 ug/l
RT: 9.76 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

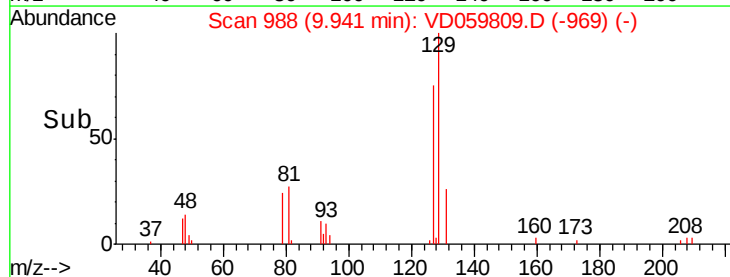
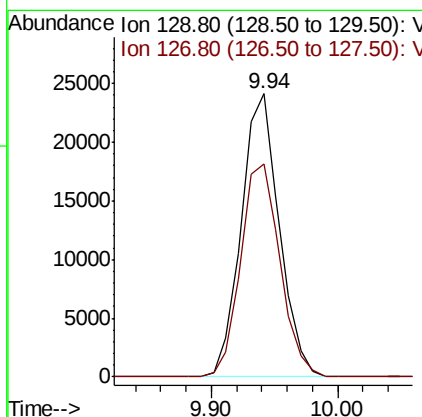
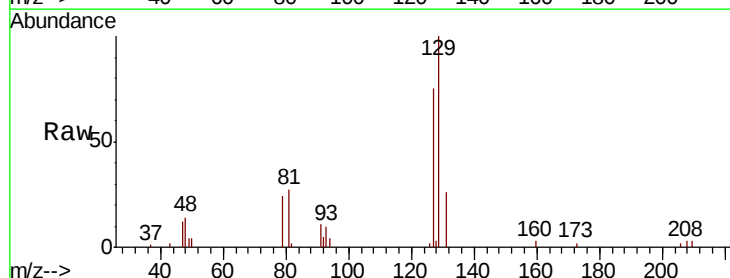
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

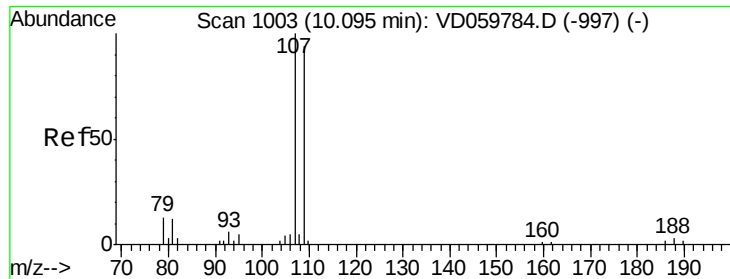
Tot Ion: 43 Resp: 109277
Ion Ratio Lower Upper
43 100
58 45.0 22.3 66.8



#60
Dibromochloromethane
Concen: 20.14 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion:129 Resp: 50244
Ion Ratio Lower Upper
129 100
127 75.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.00 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

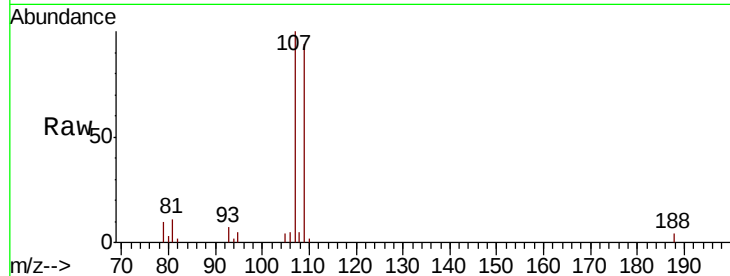
VD0816SBS01

Tot Ion:107 Resp: 38058

Ion Ratio Lower Upper

107 100

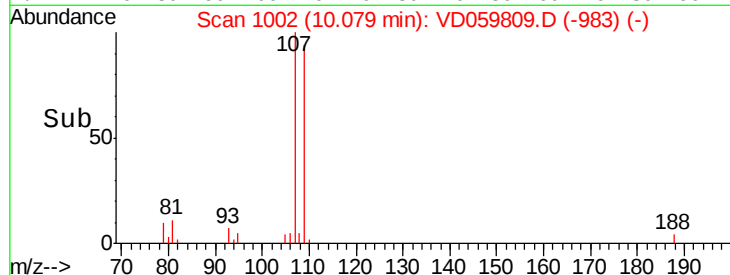
109 93.6 75.2 112.8



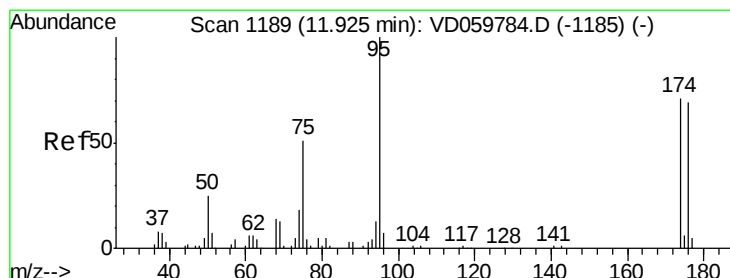
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08



Time-->



#62

4-Bromofluorobenzene

Concen: 20.00 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

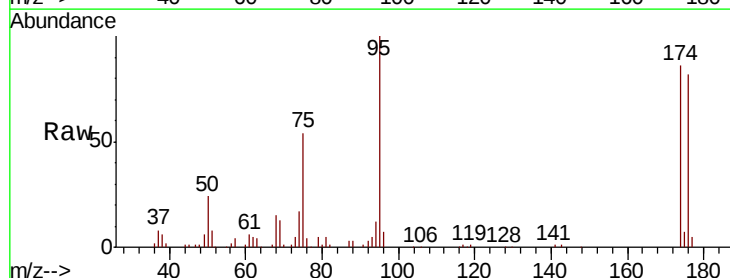
Tgt Ion: 95 Resp: 158856

Ion Ratio Lower Upper

95 100

174 86.4 0.0 142.2

176 81.9 0.0 137.4

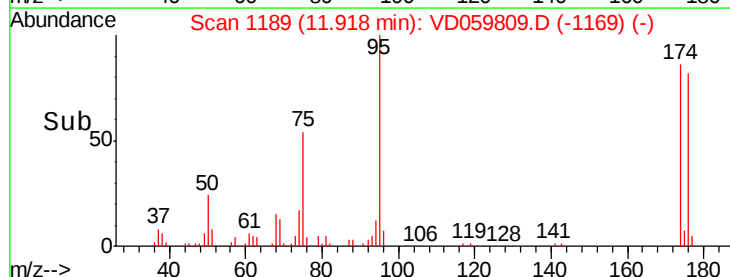


Abundance Ion 95.00 (94.70 to 95.70): V

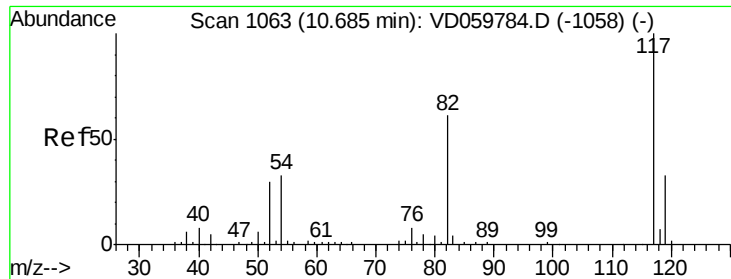
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92



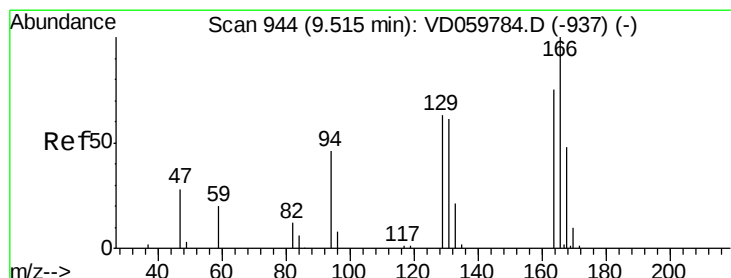
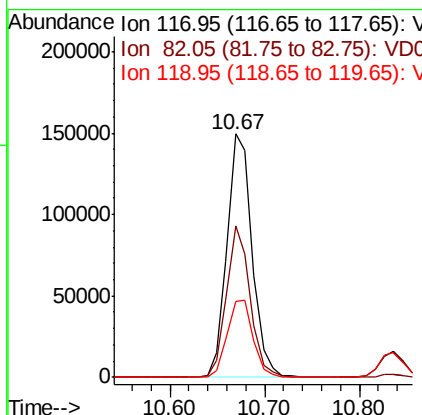
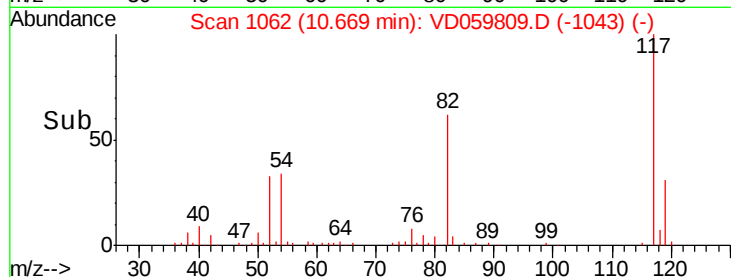
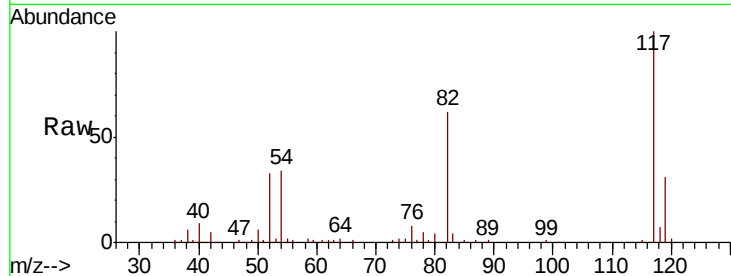
Time-->



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

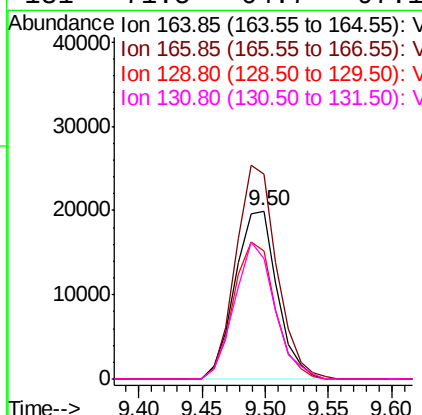
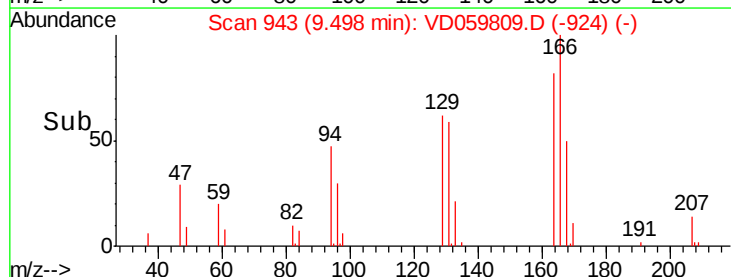
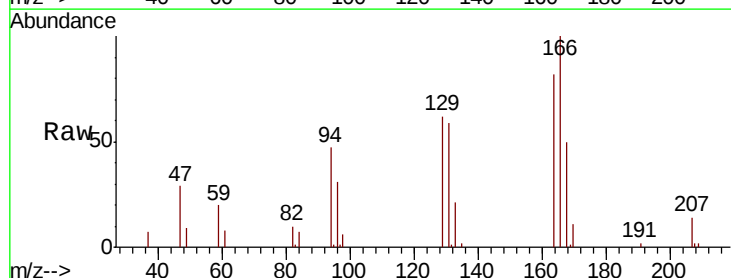
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

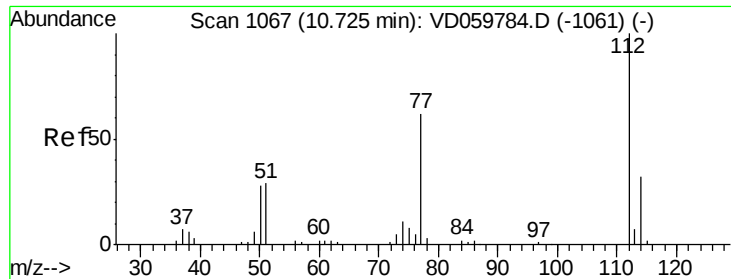
Tot Ion:117 Resp: 274365
Ion Ratio Lower Upper
117 100
82 62.0 49.0 73.6
119 31.4 26.2 39.2



#64
Tetrachloroethene
Concen: 19.48 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion:164 Resp: 46031
Ion Ratio Lower Upper
164 100
166 121.4 106.8 160.2
129 75.8 67.2 100.8
131 71.5 64.7 97.1

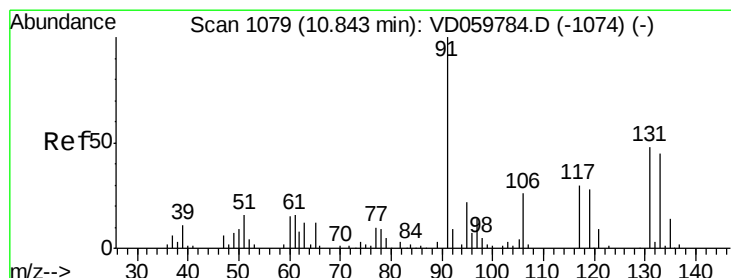
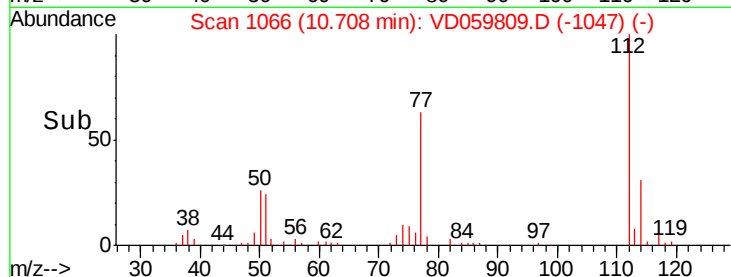
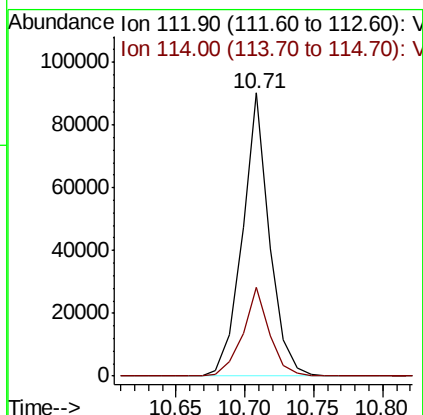
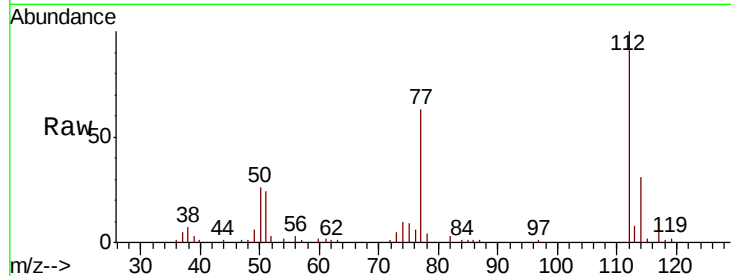




#65
Chlorobenzene
Concen: 22.09 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

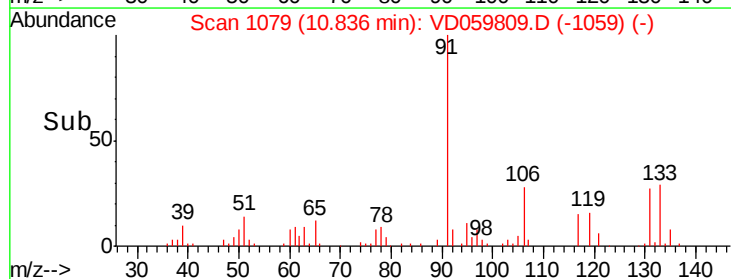
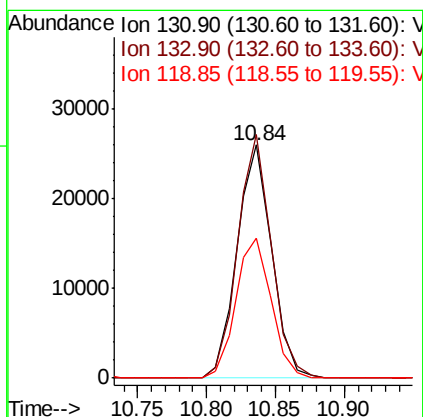
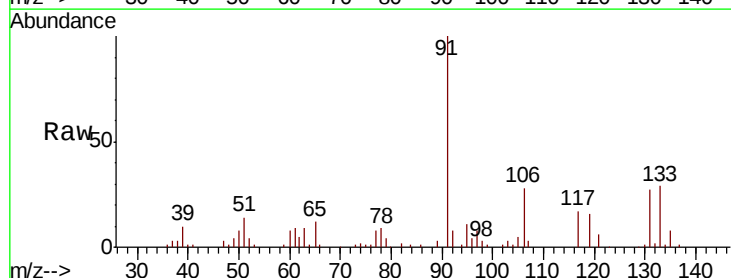
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

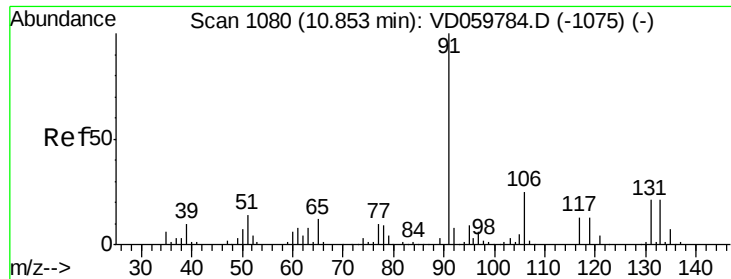
Tot Ion:112 Resp: 122761
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.32 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion:131 Resp: 45498
Ion Ratio Lower Upper
131 100
133 104.3 47.0 141.0
119 60.0 29.0 87.1

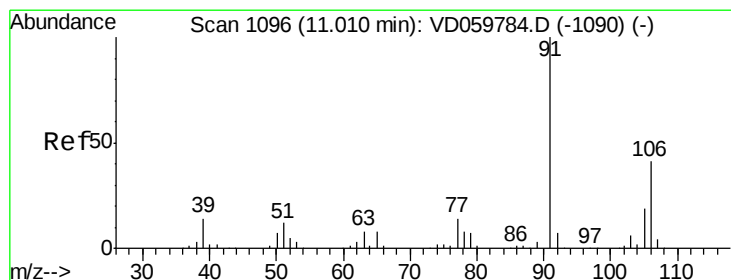
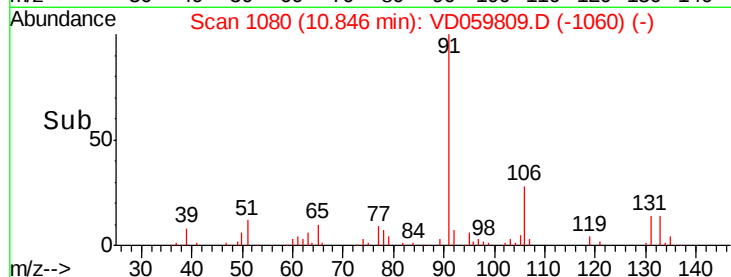
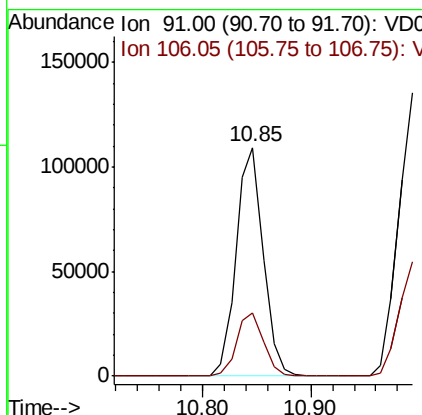
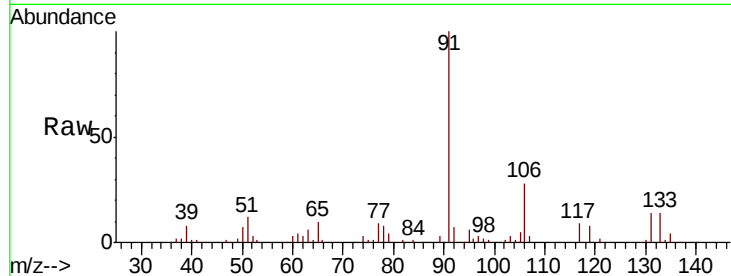




#67
Ethyl Benzene
Concen: 19.88 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

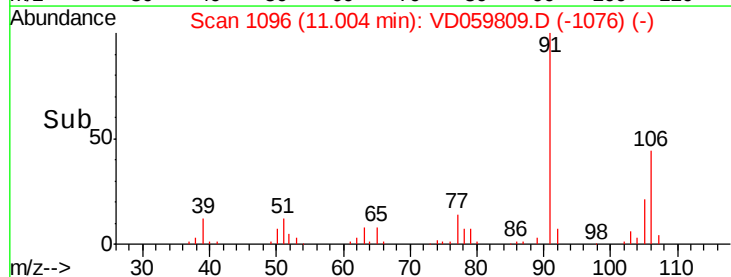
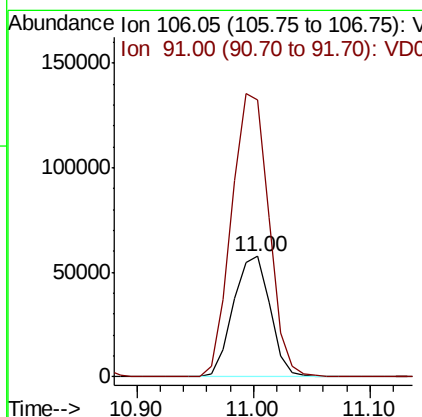
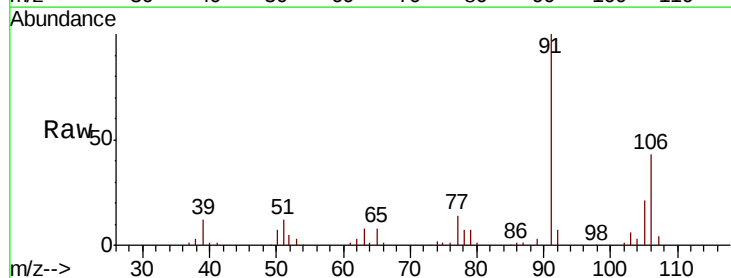
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

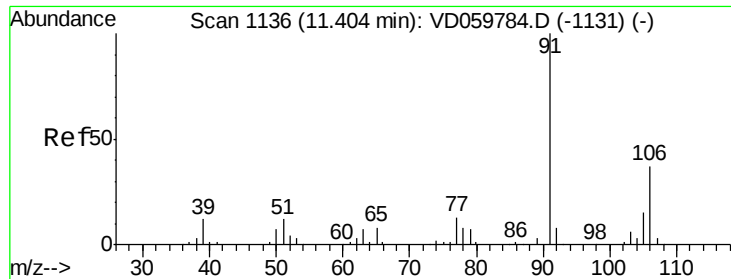
Tot Ion: 91 Resp: 190156
Ion Ratio Lower Upper
91 100
106 27.5 20.1 30.1



#68
m/p-Xylenes
Concen: 38.97 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion: 106 Resp: 126345
Ion Ratio Lower Upper
106 100
91 230.5 197.4 296.0

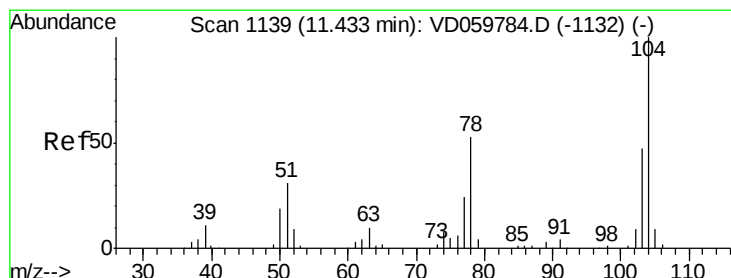
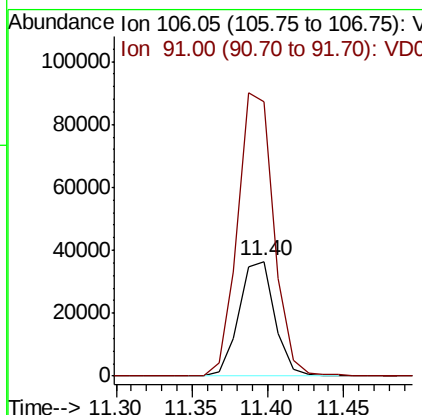
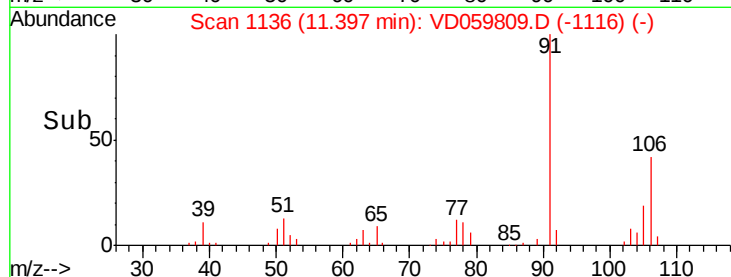
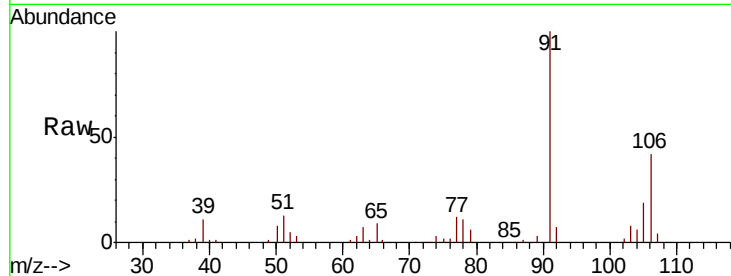




#69
o-Xylene
Concen: 19.06 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

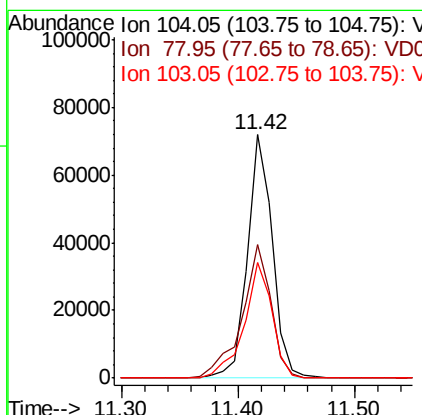
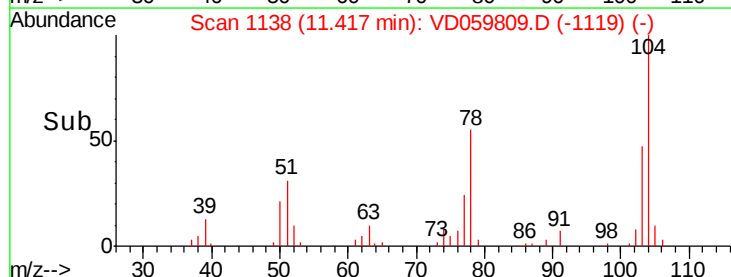
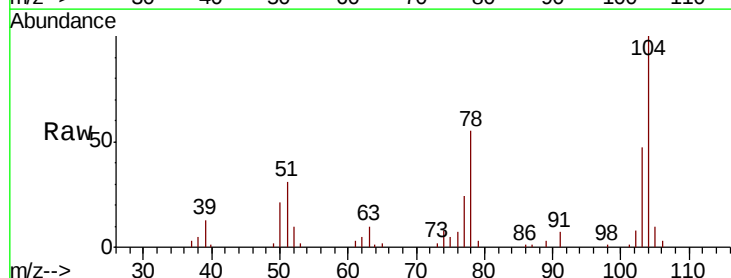
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

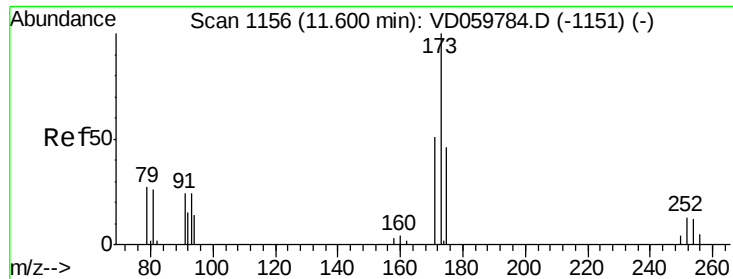
Tot Ion:106 Resp: 59319
Ion Ratio Lower Upper
106 100
91 238.9 133.7 401.1



#70
Styrene
Concen: 19.28 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion:104 Resp: 106439
Ion Ratio Lower Upper
104 100
78 55.1 42.6 64.0
103 47.4 37.8 56.6





#71

Bromoform

Concen: 19.66 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

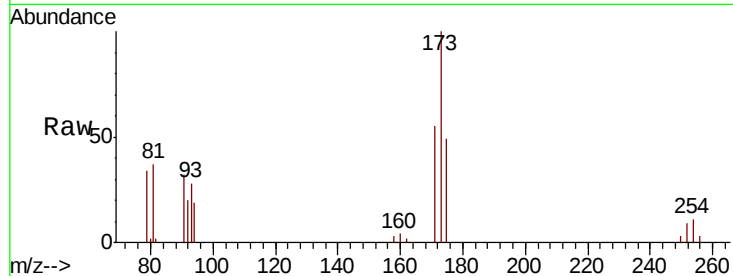
Tot Ion:173 Resp: 31999

Ion Ratio Lower Upper

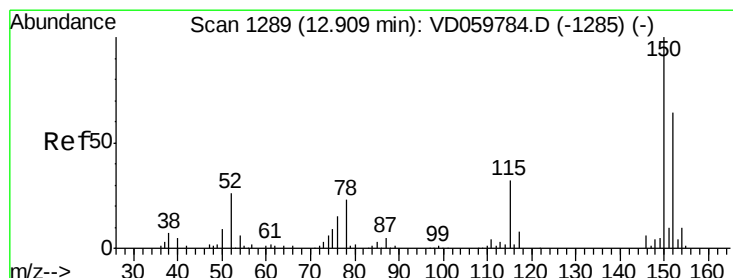
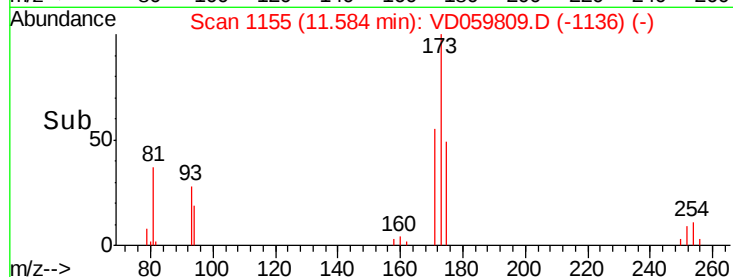
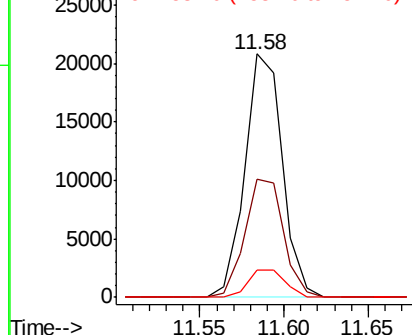
173 100

175 48.5 23.1 69.2

254 11.0 9.7 14.5



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: VD059809.D

Acq: 16 Aug 2018 14:28

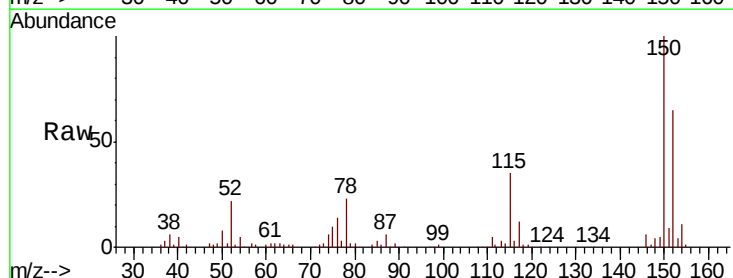
Tgt Ion:152 Resp: 150547

Ion Ratio Lower Upper

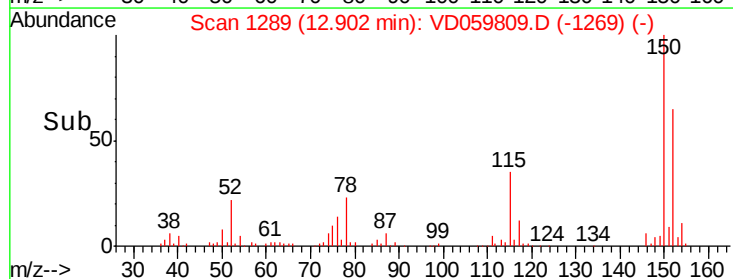
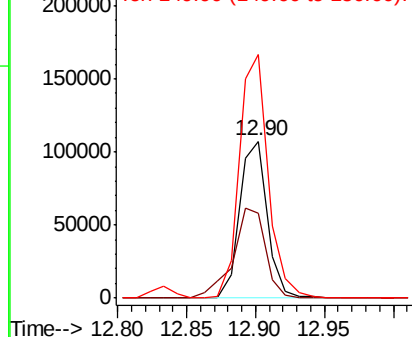
152 100

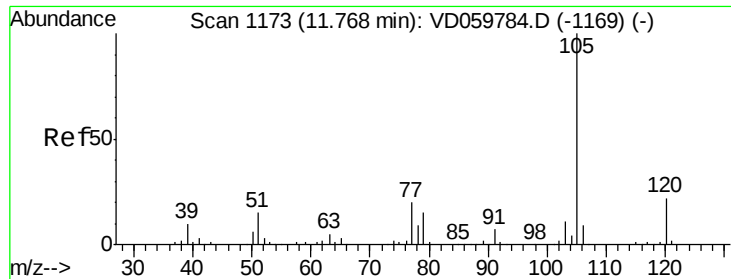
115 54.1 27.2 81.5

150 154.9 0.0 312.4



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





#73

Isopropylbenzene

Concen: 18.70 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

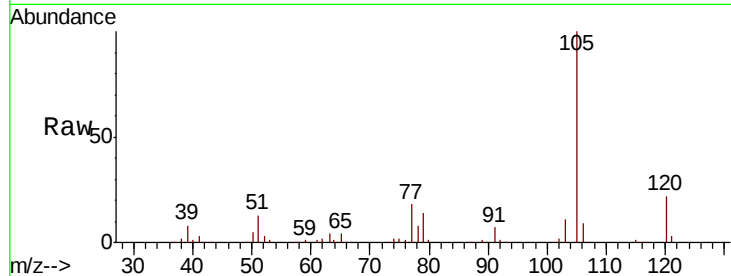
VD0816SBS01

Tot Ion:105 Resp: 178246

Ion Ratio Lower Upper

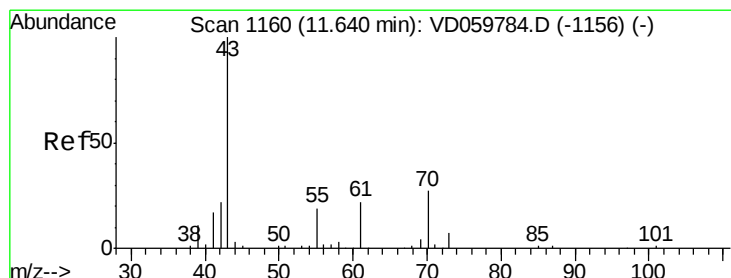
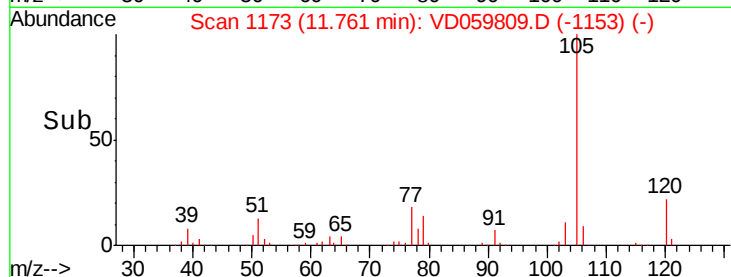
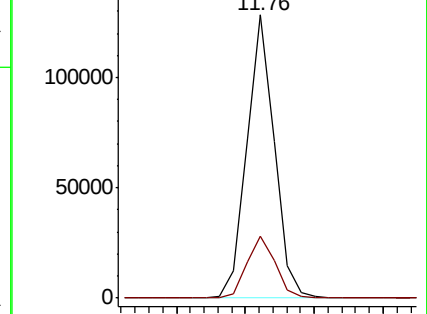
105 100

120 21.8 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.25 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Tgt Ion: 43 Resp: 56273

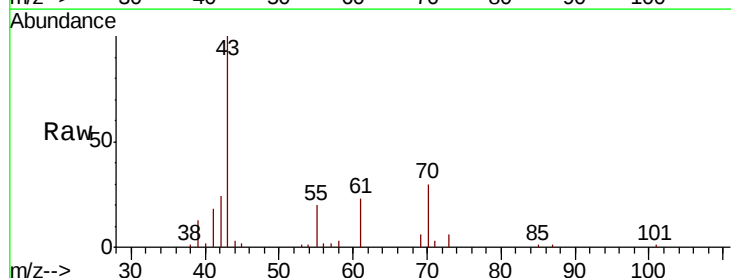
Ion Ratio Lower Upper

43 100

70 30.1 21.8 32.6

55 20.0 15.1 22.7

61 22.7 18.0 27.0

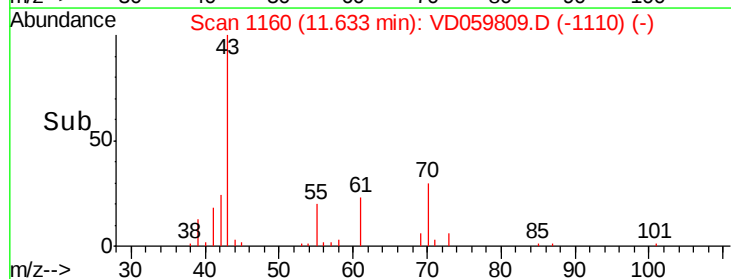
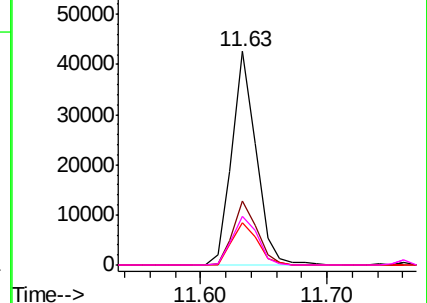


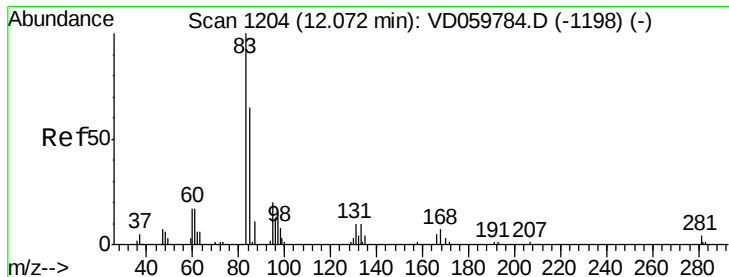
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.63 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

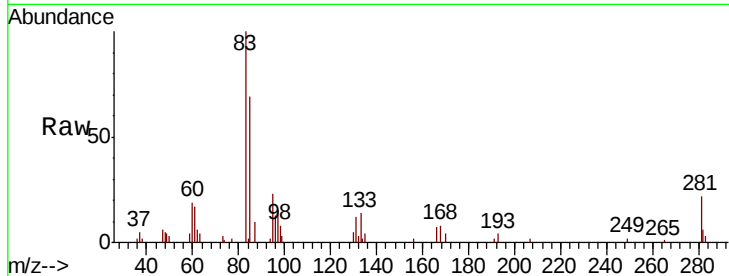
Tot Ion: 83 Resp: 36073

Ion Ratio Lower Upper

83 100

131 11.6 5.0 15.0

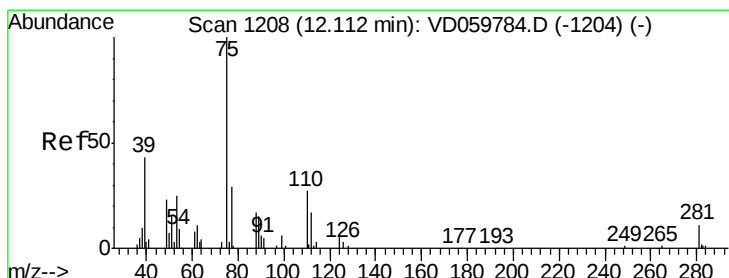
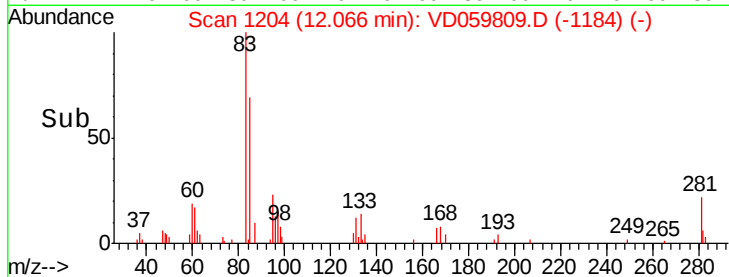
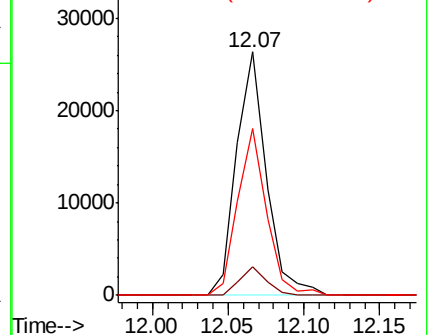
85 68.6 32.8 98.3



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: 19.62 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059809.D

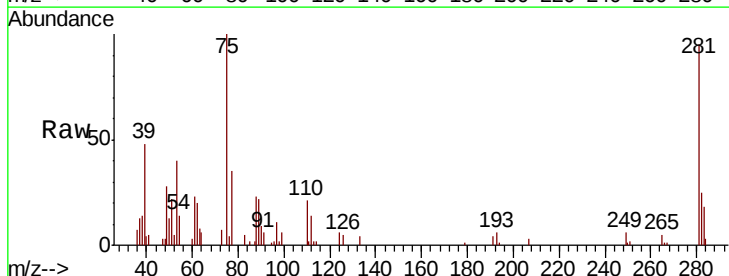
Acq: 16 Aug 2018 14:28

Tgt Ion: 75 Resp: 41913

Ion Ratio Lower Upper

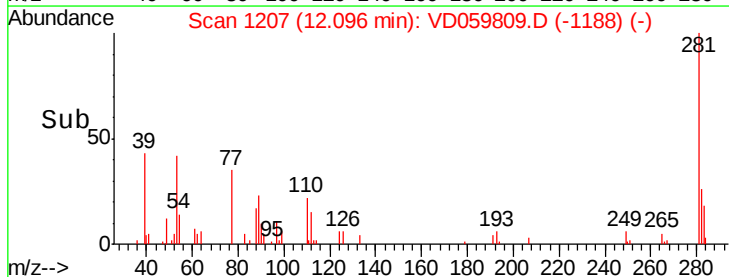
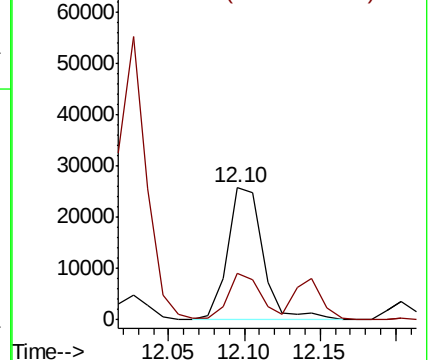
75 100

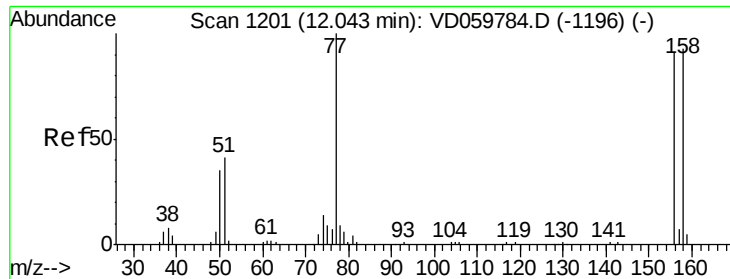
77 35.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.79 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

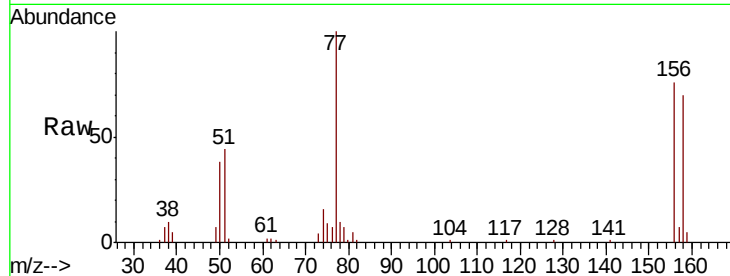
Tot Ion:156 Resp: 56644

Ion Ratio Lower Upper

156 100

77 132.3 54.9 164.8

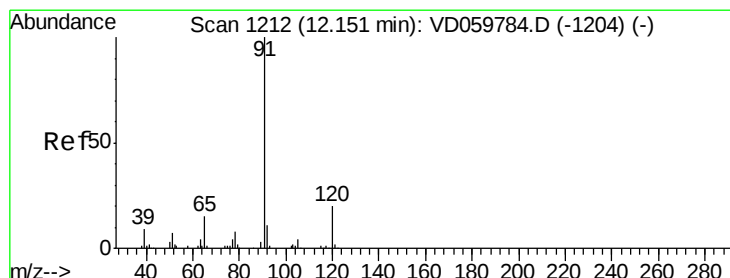
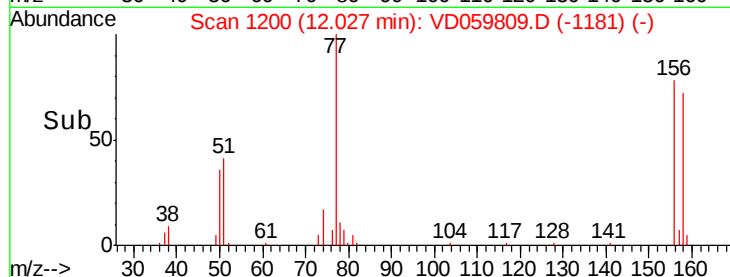
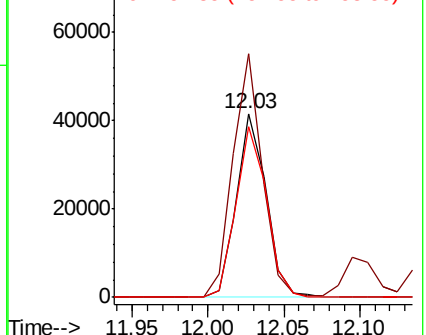
158 92.4 51.2 153.6



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: 18.91 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059809.D

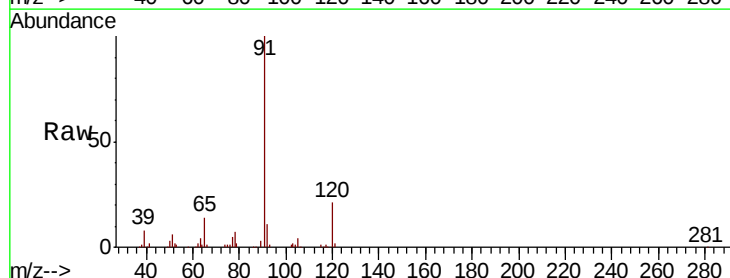
Acq: 16 Aug 2018 14:28

Tgt Ion: 91 Resp: 224903

Ion Ratio Lower Upper

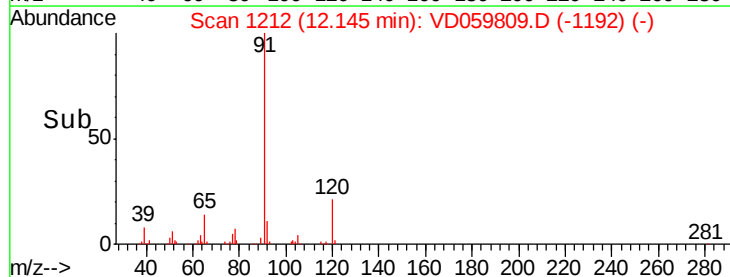
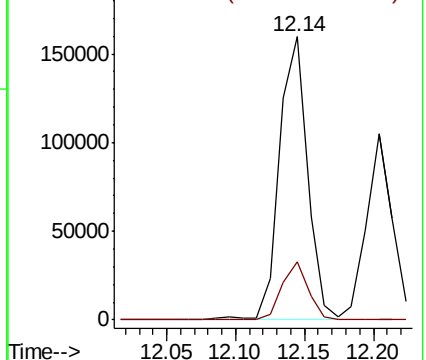
91 100

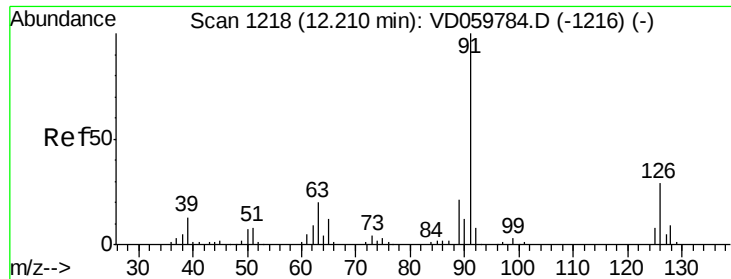
120 20.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

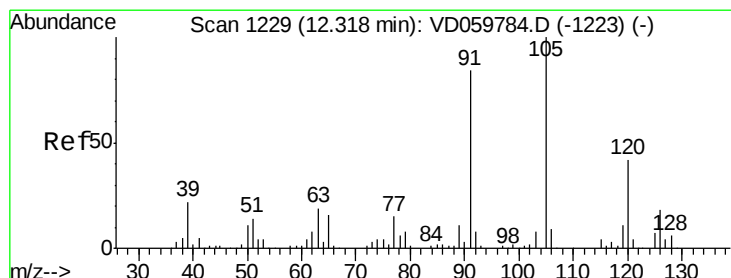
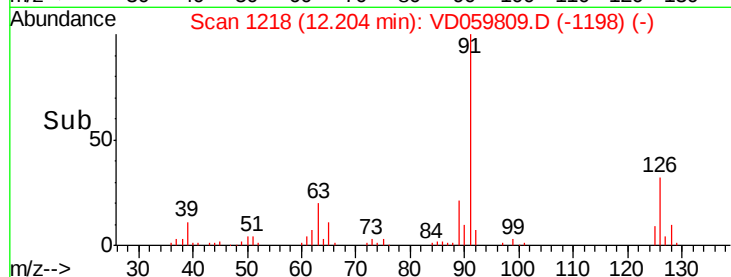
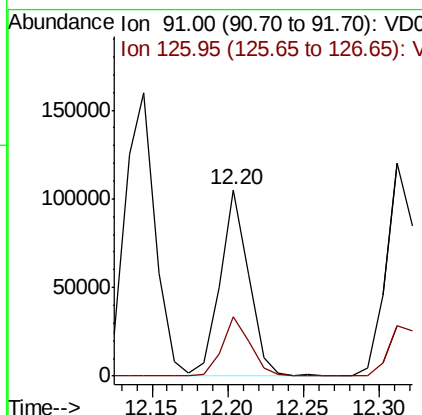
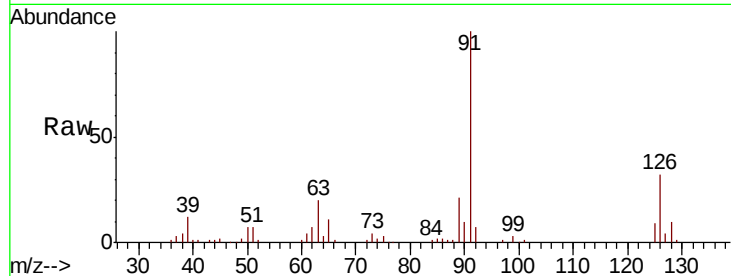




#79
 2-Chlorotoluene
 Concen: 19.16 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

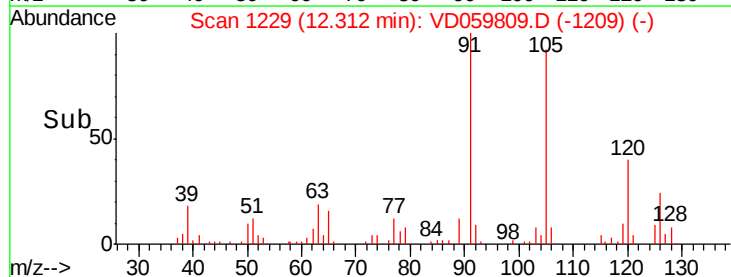
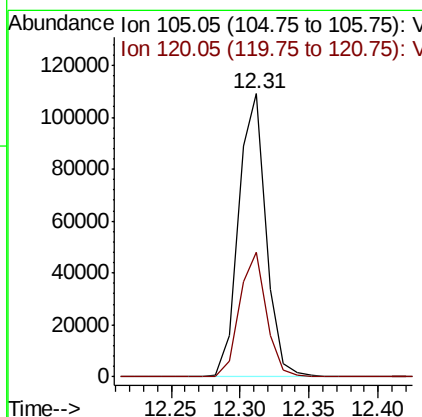
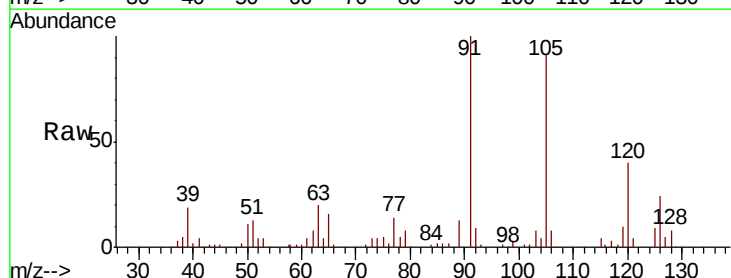
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

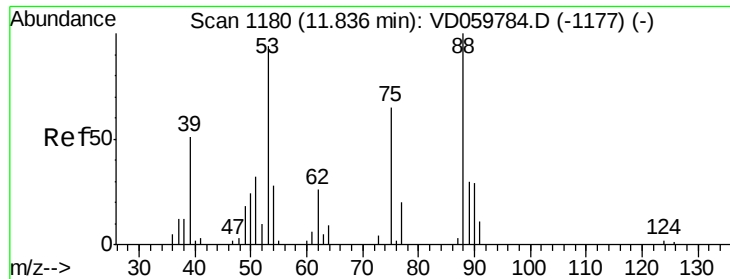
Tot Ion: 91 Resp: 137400
 Ion Ratio Lower Upper
 91 100
 126 31.6 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.75 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 105 Resp: 150752
 Ion Ratio Lower Upper
 105 100
 120 44.0 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.61 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

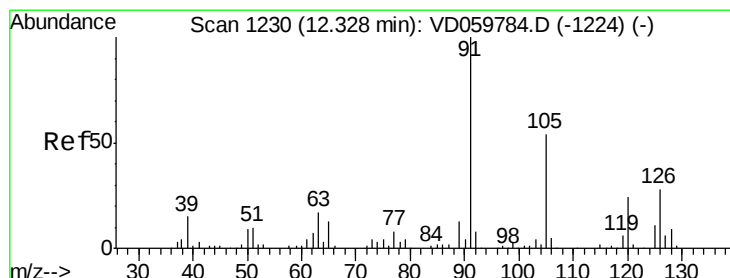
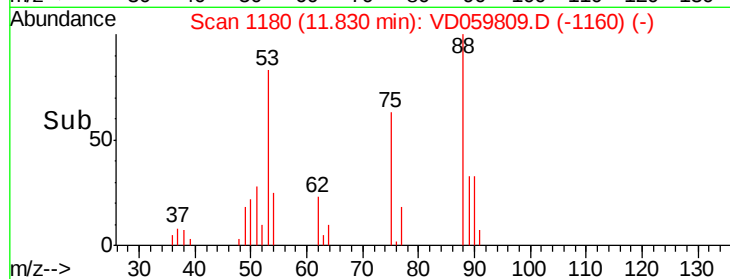
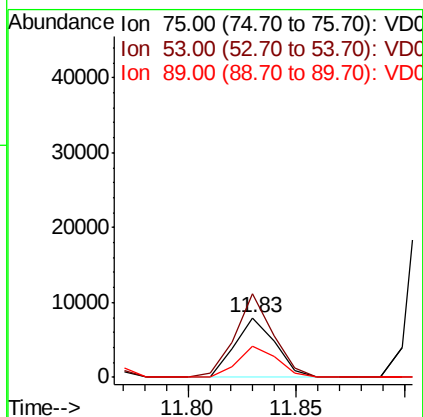
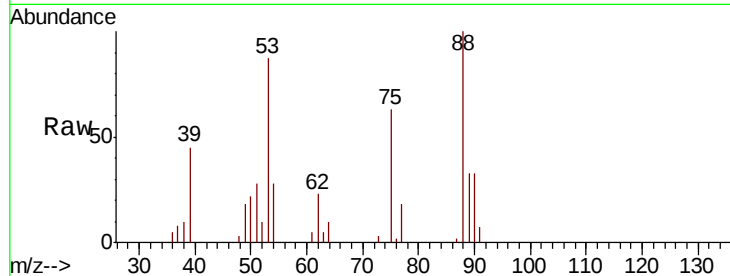
Tot Ion: 75 Resp: 10302

Ion Ratio Lower Upper

75 100

53 139.0 116.2 174.2

89 52.0 37.0 55.6



#82

4-Chlorotoluene

Concen: 20.37 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.02 min

Lab File: VD059809.D

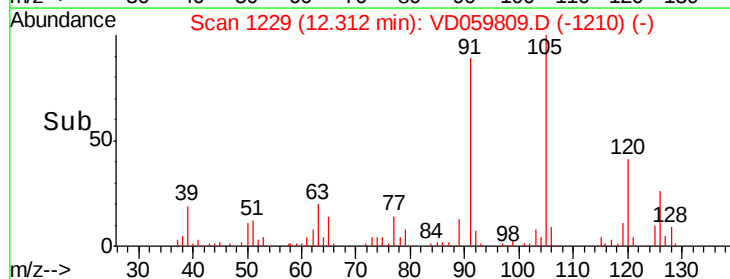
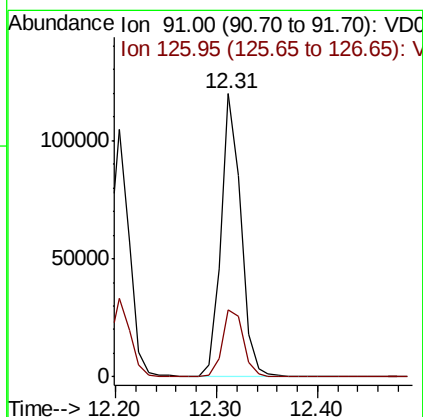
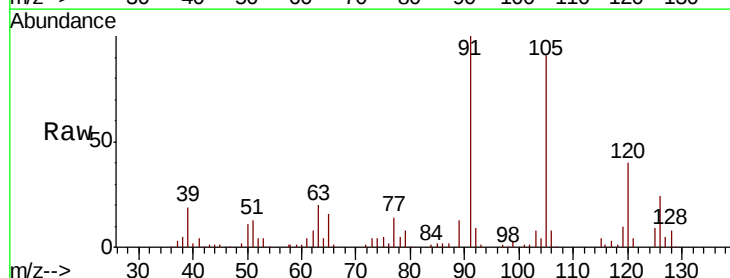
Acq: 16 Aug 2018 14:28

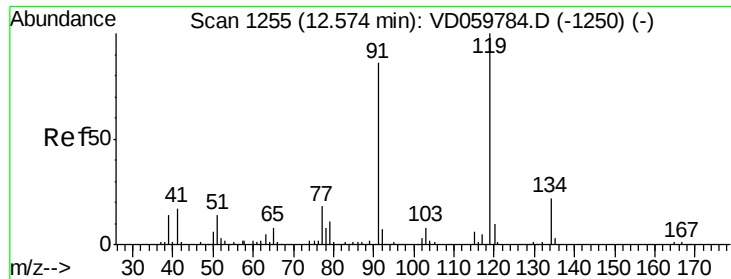
Tgt Ion: 91 Resp: 165756

Ion Ratio Lower Upper

91 100

126 23.9 13.9 41.7

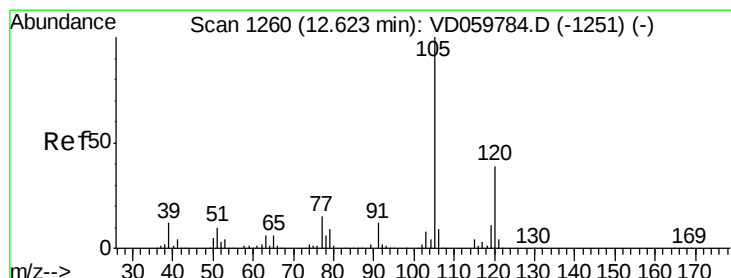
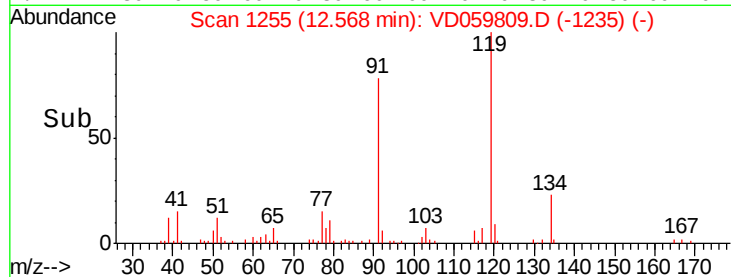
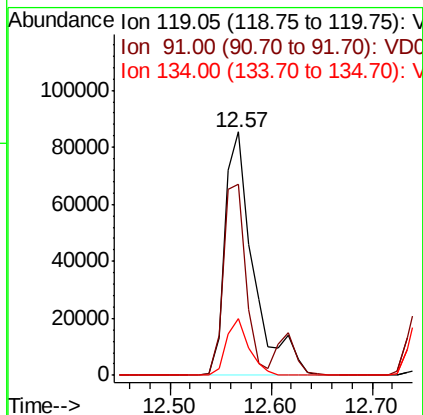
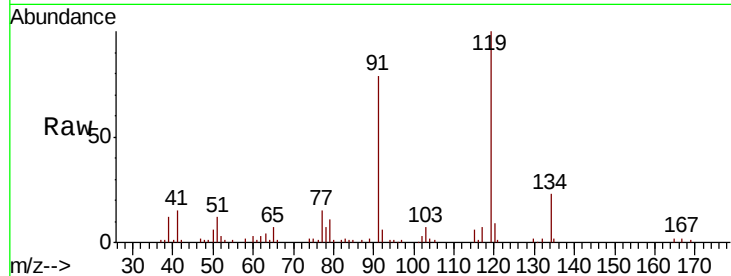




#83
 tert-Butylbenzene
 Concen: 19.91 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

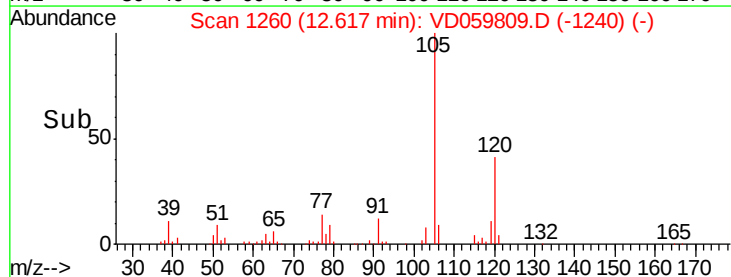
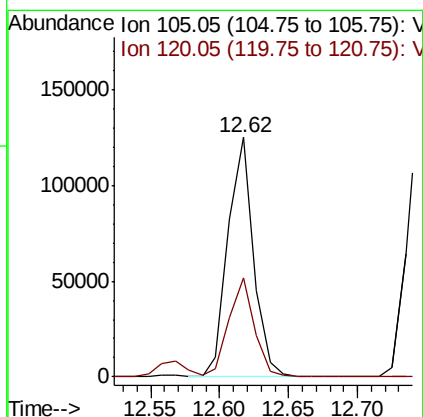
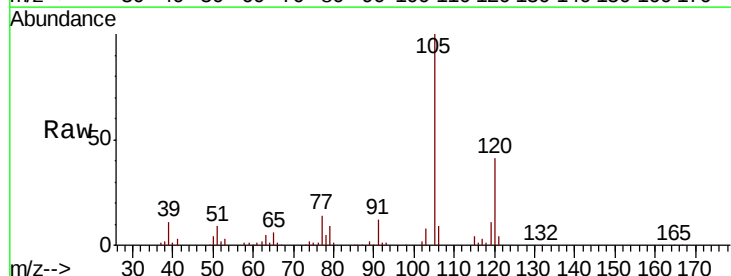
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

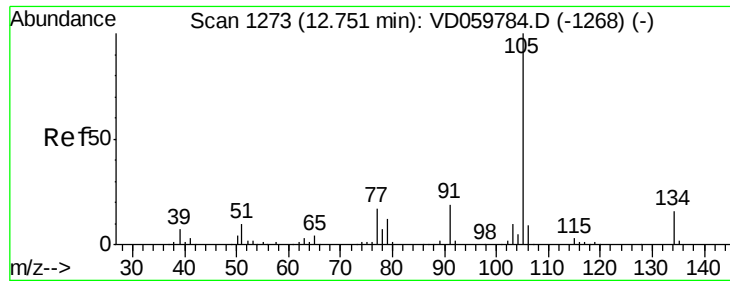
Tot Ion:119 Resp: 167902
 Ion Ratio Lower Upper
 119 100
 91 78.6 43.1 129.3
 134 23.2 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.63 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion:105 Resp: 161450
 Ion Ratio Lower Upper
 105 100
 120 41.1 19.6 58.8

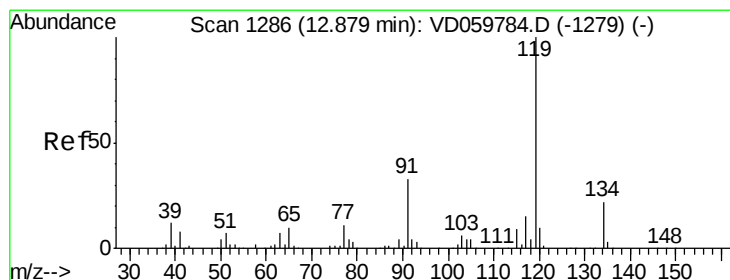
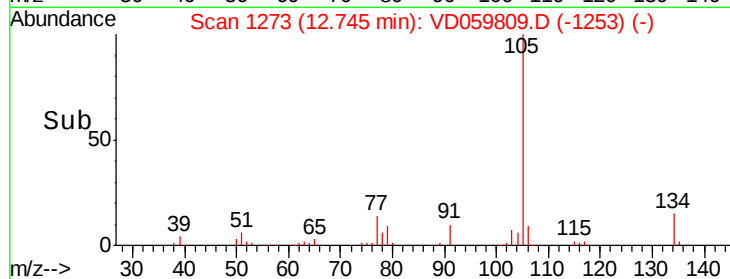
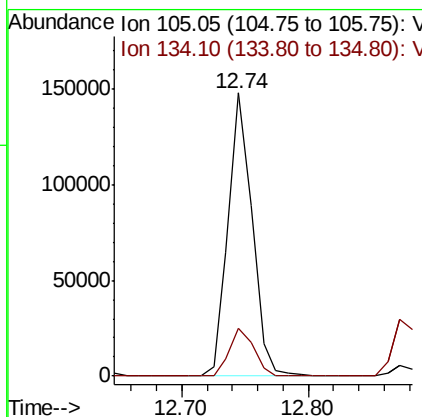
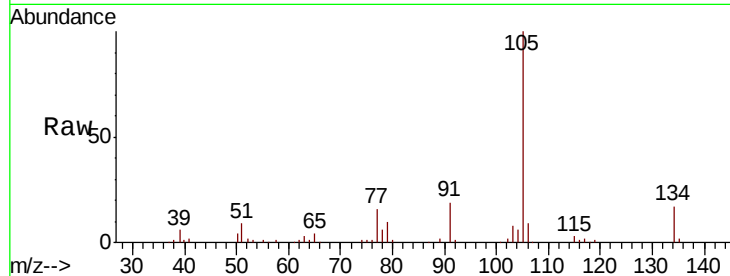




#85
 sec-Butylbenzene
 Concen: 19.83 ug/l
 RT: 12.74 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

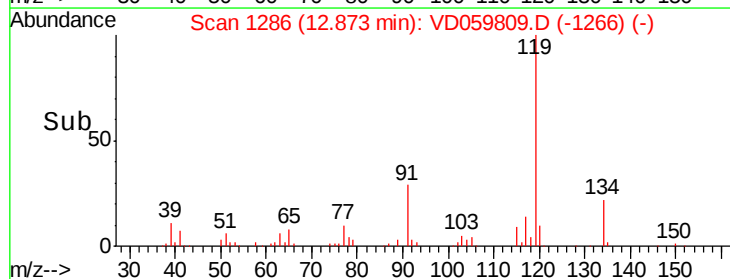
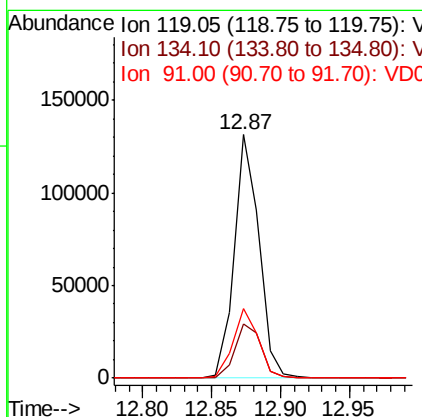
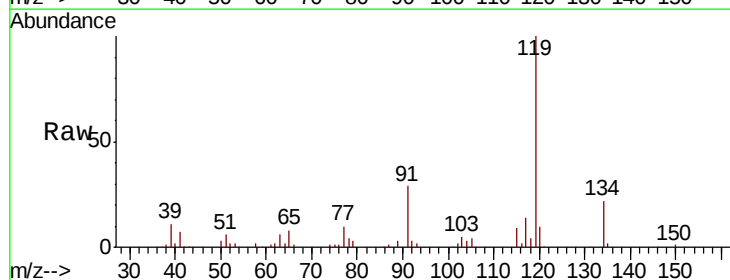
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

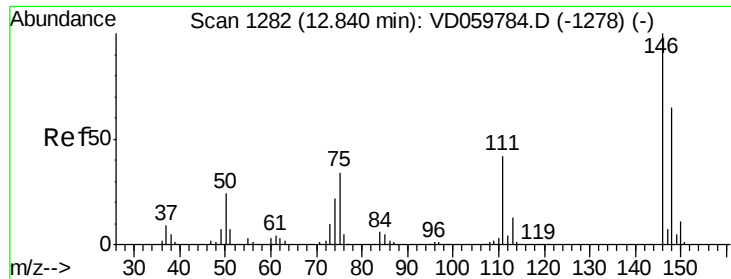
Tot Ion:105 Resp: 193848
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.10 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion:119 Resp: 164384
 Ion Ratio Lower Upper
 119 100
 134 22.3 10.9 32.6
 91 28.8 16.4 49.4

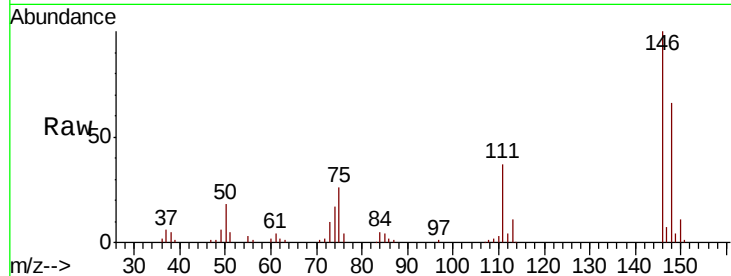




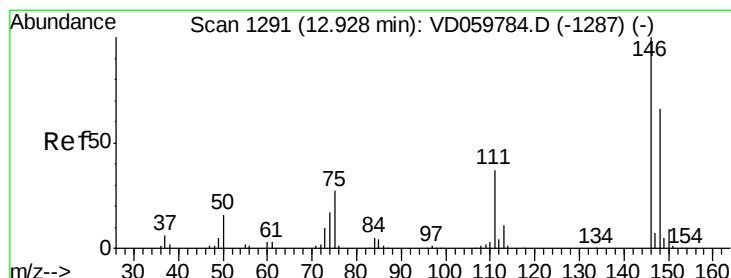
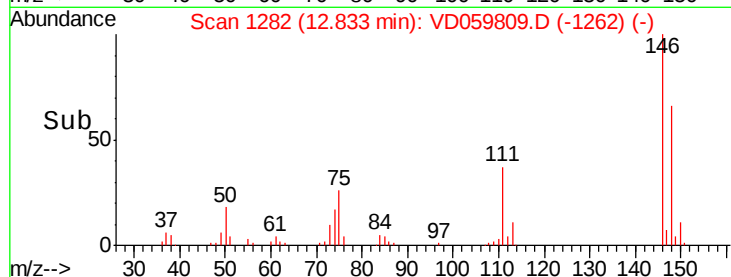
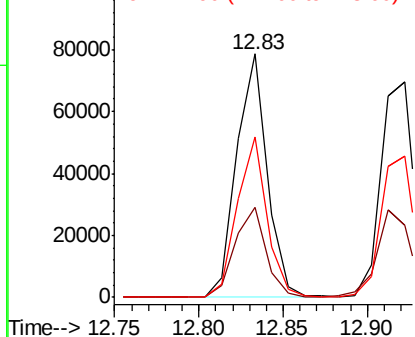
#87
 1,3-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tot Ion:146 Resp: 98824
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.9 62.8
 148 65.9 32.6 97.8

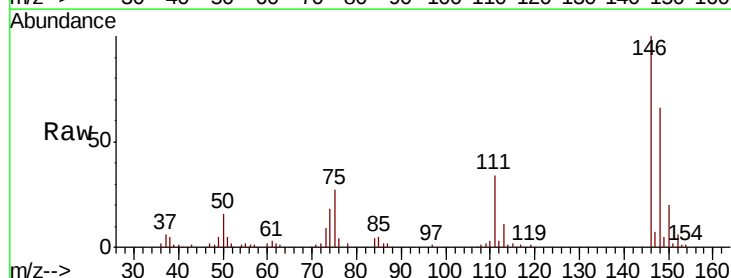


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

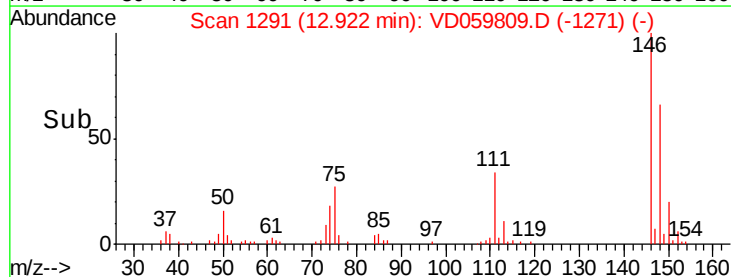
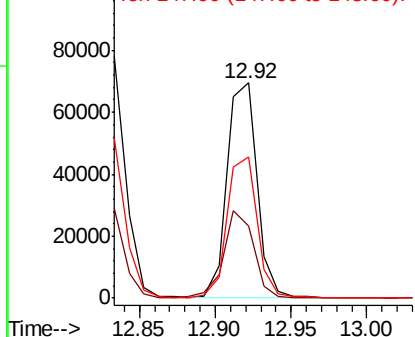


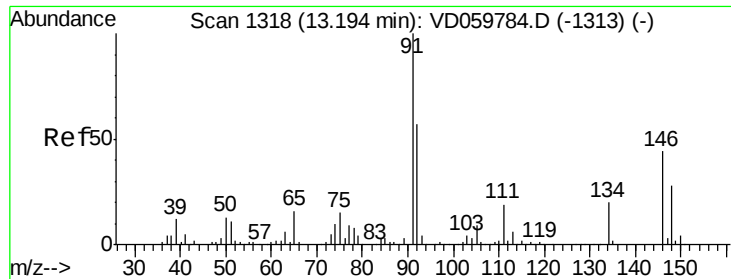
#88
 1,4-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion:146 Resp: 95831
 Ion Ratio Lower Upper
 146 100
 111 33.6 18.6 55.6
 148 65.9 33.0 99.0



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

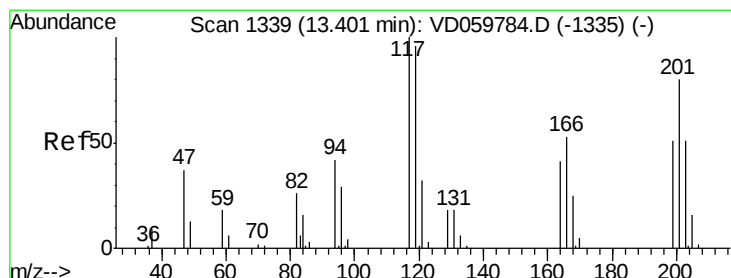
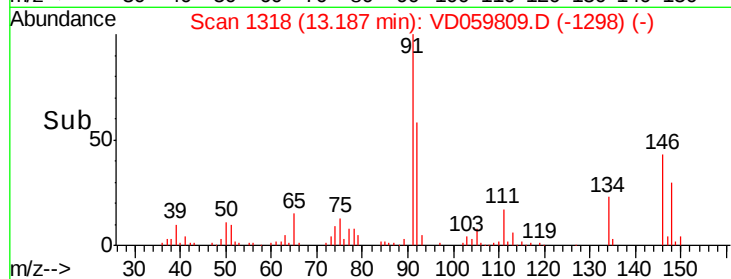
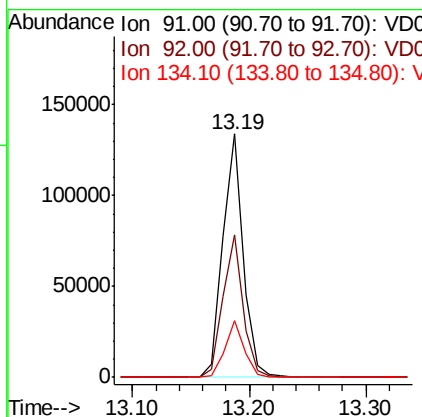
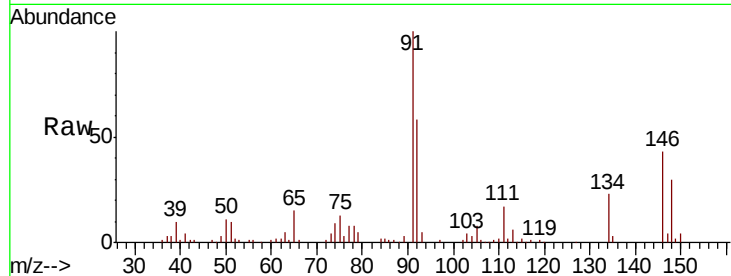




#89
n-Butylbenzene
Concen: 19.58 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

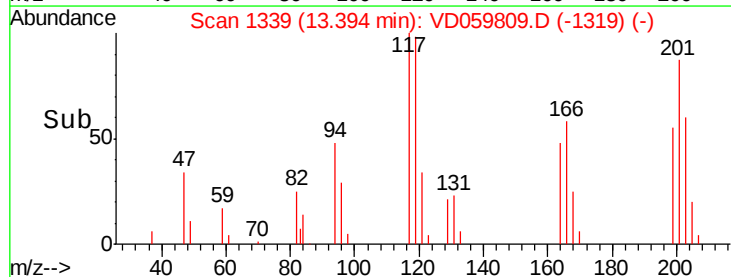
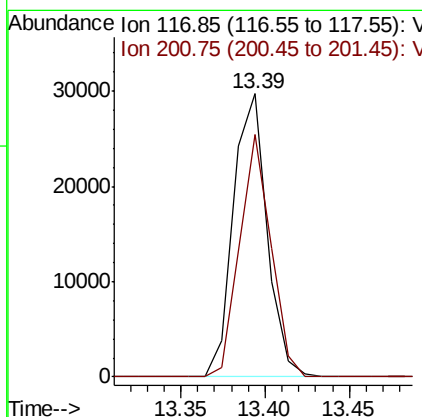
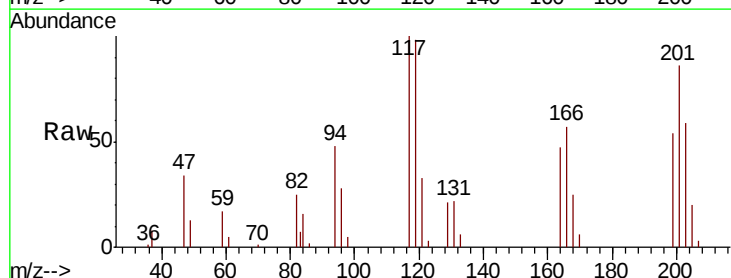
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

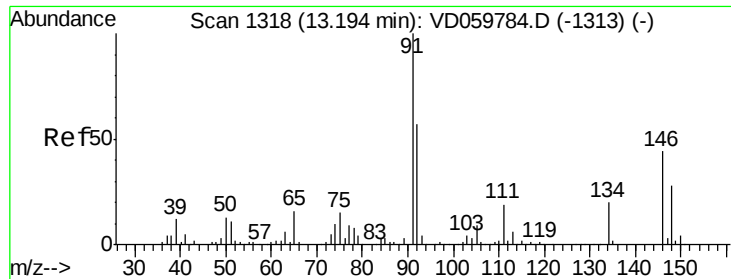
Tot Ion: 91 Resp: 161891
Ion Ratio Lower Upper
91 100
92 58.4 28.4 85.3
134 23.1 10.2 30.4



#90
Hexachloroethane
Concen: 20.06 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059809.D
Acq: 16 Aug 2018 14:28

Tgt Ion: 117 Resp: 41166
Ion Ratio Lower Upper
117 100
201 85.8 39.9 119.7

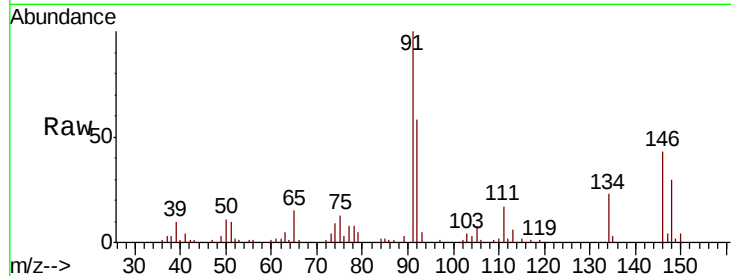




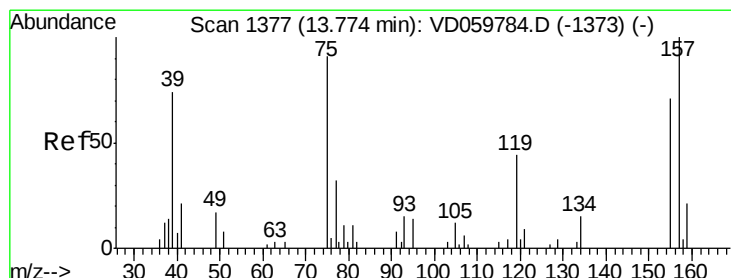
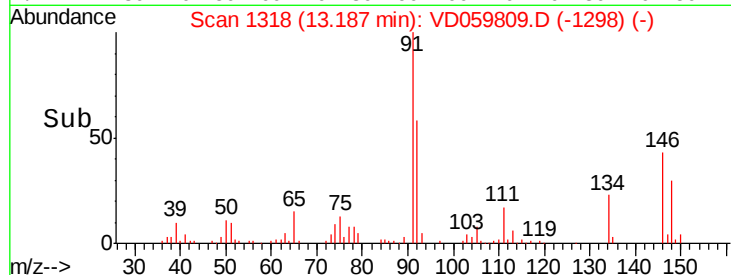
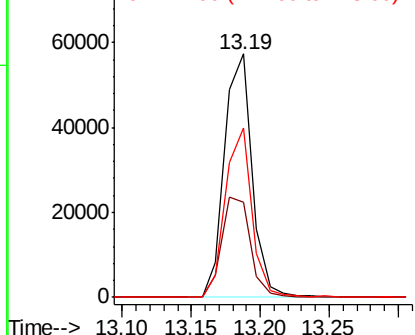
#91
 1,2-Dichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tot Ion:146 Resp: 79937
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.1 63.1
 148 69.8 32.0 96.2

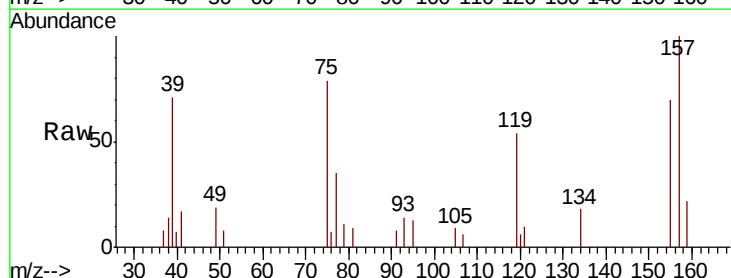


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

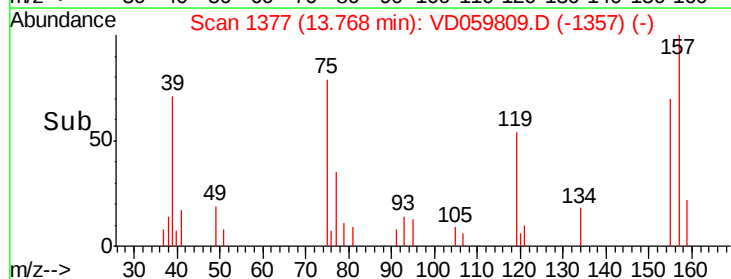
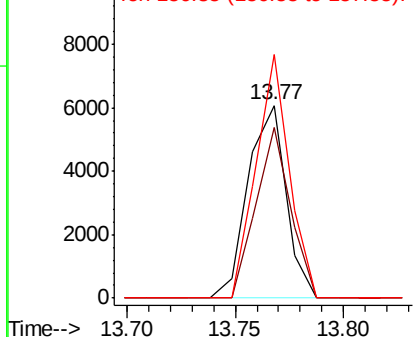


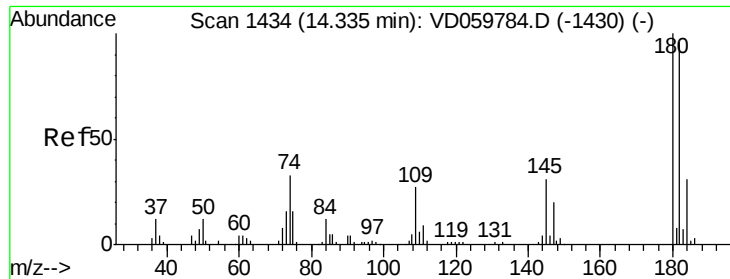
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.64 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion: 75 Resp: 7475
 Ion Ratio Lower Upper
 75 100
 155 88.4 39.0 117.0
 157 126.1 54.8 164.3



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

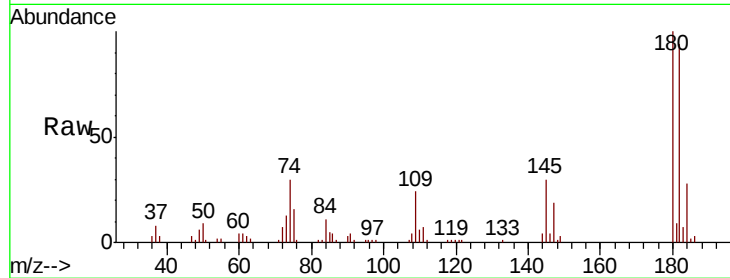




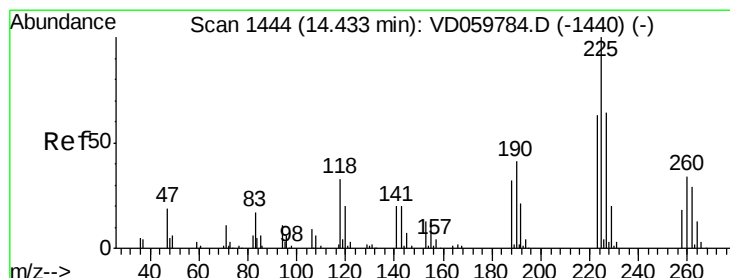
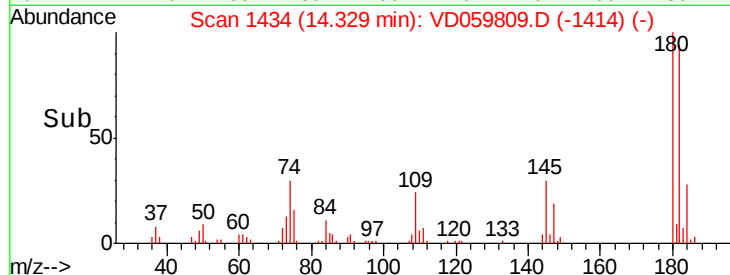
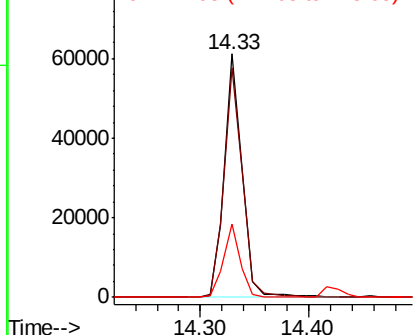
#93
 1,2,4-Trichlorobenzene
 Concen: 20.95 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tot Ion:180 Resp: 70391
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.0 144.0
 145 29.9 15.5 46.5

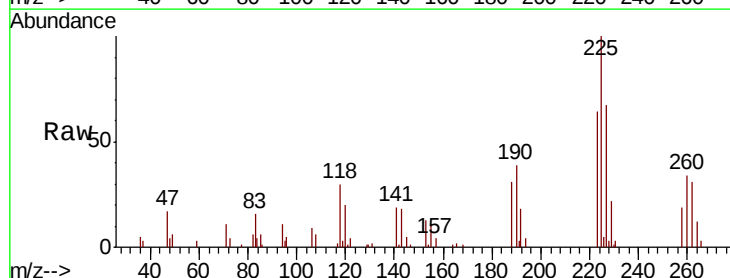


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

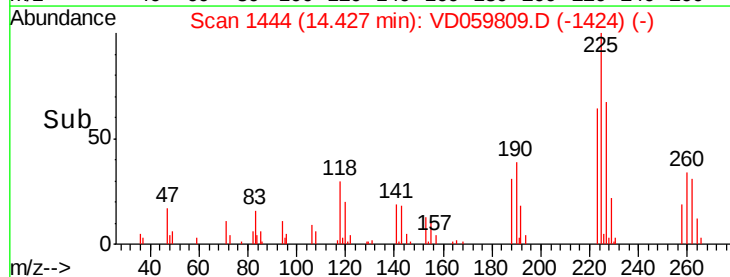
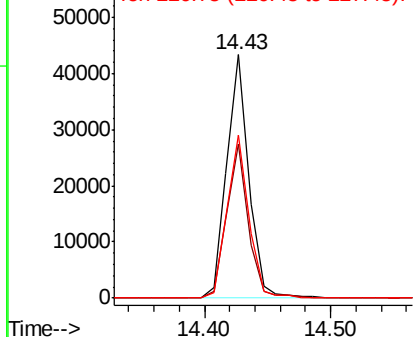


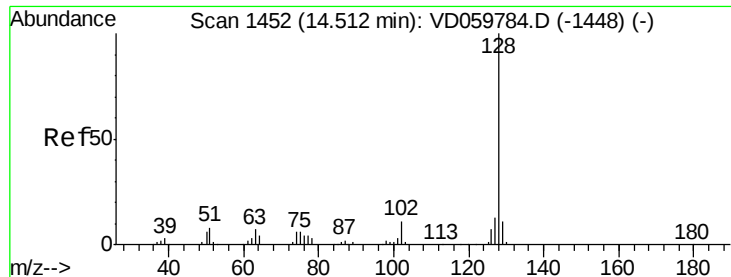
#94
 Hexachlorobutadiene
 Concen: 21.01 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059809.D
 Acq: 16 Aug 2018 14:28

Tgt Ion:225 Resp: 52085
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 67.1 32.1 96.5



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





#95

Naphthalene

Concen: 19.77 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

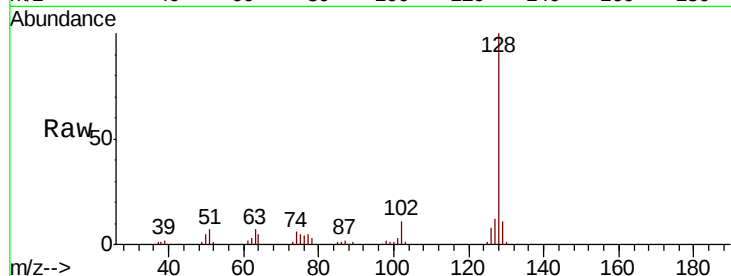
Tot Ion:128 Resp: 101693

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

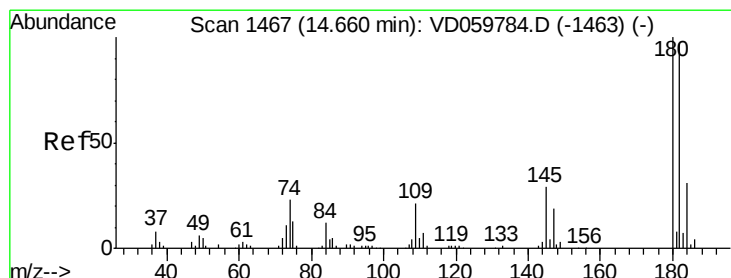
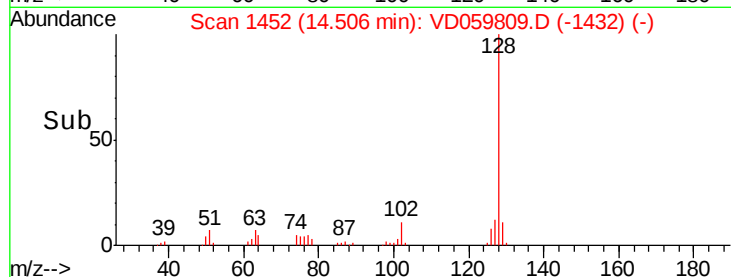
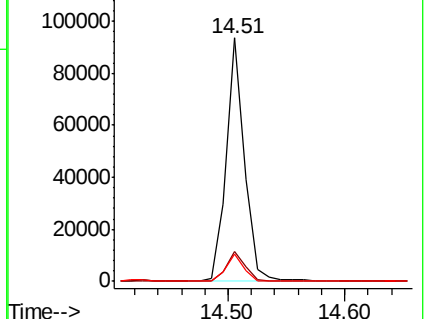
129 11.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.63 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VD059809.D

Acq: 16 Aug 2018 14:28

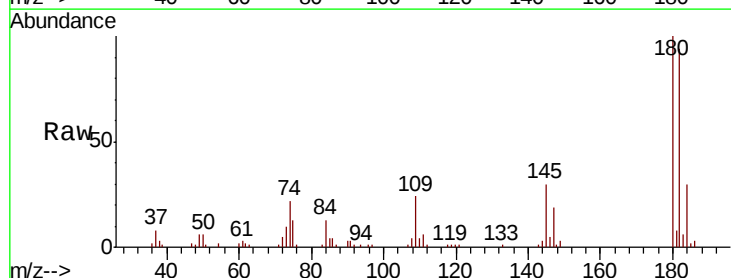
Tgt Ion:180 Resp: 64120

Ion Ratio Lower Upper

180 100

182 94.4 48.5 145.5

145 29.8 14.3 42.9



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

