

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058043.D
 Acq On : 9 Jun 2018 4:58
 Operator : VA/AP
 Sample : J3354-04MSD
 Misc : 12.85g/5ml/MSVOA D/SOIL
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

Quant Time: Jun 09 05:44:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	769347	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1053092	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	826915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	378830	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	377852	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.55	113	431056	52.90	ug/l	-0.01
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	8.70	98	962379	49.68	ug/l	-0.01
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.93	95	407489	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	462953	44.84	ug/l	100
3) Chloromethane	1.49	50	250438	49.25	ug/l	95
4) Vinyl Chloride	1.56	62	246693	50.12	ug/l	98
5) Bromomethane	1.81	94	115455	59.84	ug/l	97
6) Chloroethane	1.90	64	124277	63.99	ug/l	90
7) Trichlorofluoromethane	2.09	101	367186	54.57	ug/l	98
8) Diethyl Ether	2.35	74	77398	61.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.57	101	216078	53.84	ug/l	98
10) Methyl Iodide	2.70	142	291354	56.26	ug/l	91
11) Tert butyl alcohol	3.25	59	61606	298.99	ug/l	100
12) 1,1-Dichloroethene	2.56	96	157636	51.09	ug/l	97
14) Allyl chloride	2.93	41	348654	48.98	ug/l	94
15) Acrylonitrile	3.36	53	325258	269.83	ug/l	98
16) Acetone	2.61	43	325488	293.72	ug/l	99
17) Carbon Disulfide	2.76	76	507447	45.40	ug/l	99
18) Methyl Acetate	2.94	43	159546	74.43	ug/l	# 90
19) Methyl tert-butyl Ether	3.40	73	764641	56.32	ug/l	99
20) Methylene Chloride	3.08	84	177987	58.63	ug/l	94
21) trans-1,2-Dichloroethene	3.39	96	332149	48.33	ug/l	99
22) Diisopropyl ether	4.07	45	1610057	57.10	ug/l	94
23) Vinyl Acetate	4.02	43	3179996	218.26	ug/l	98
24) 1,1-Dichloroethane	3.97	63	832396	53.71	ug/l	99
25) 2-Butanone	4.83	43	615133	244.26	ug/l	94
26) 2,2-Dichloropropane	4.80	77	594269	46.55	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	417174	51.18	ug/l	90
28) Bromochloromethane	5.14	49	399637	59.58	ug/l	97
29) Tetrahydrofuran	5.18	42	356846	270.30	ug/l	97
30) Chloroform	5.32	83	866986	55.59	ug/l	100
31) Cyclohexane	5.60	56	636678	47.60	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	697127	53.38	ug/l	99
36) 1,1-Dichloropropene	5.74	75	541524	46.67	ug/l	99
37) Ethyl Acetate	4.92	43	309603	48.90	ug/l	# 95
38) Carbon Tetrachloride	5.73	117	574191	50.22	ug/l	98
39) Methylcyclohexane	7.28	83	519453	45.16	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	1398433	51.60	ug/l	99
41) Methacrylonitrile	5.12	41	174962	60.44	ug/l	98
42) 1,2-Dichloroethane	6.13	62	568831	51.91	ug/l	99
43) Isopropyl Acetate	7.61	43	409129	49.34	ug/l	# 100
44) Trichloroethene	6.98	130	389788	49.24	ug/l	96
45) 1,2-Dichloropropane	7.34	63	406081	53.91	ug/l	98
46) Dibromomethane	7.46	93	243814	50.38	ug/l	97
47) Bromodichloromethane	7.73	83	626348	55.28	ug/l	98
48) Methyl methacrylate	7.50	41	265276	51.98	ug/l	99
49) 1,4-Dioxane	7.49	88	41055	970.99	ug/l	# 85
51) 4-Methyl-2-Pentanone	8.59	43	1324540	249.03	ug/l	99
52) Toluene	8.80	92	784961	50.46	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	459775	47.10	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	566745	49.28	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	270975	53.83	ug/l	95
56) Ethyl methacrylate	9.31	69	324315	52.52	ug/l	98
57) 1,3-Dichloropropane	9.66	76	465170	52.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	801405	256.87	ug/l	100
59) 2-Hexanone	9.78	43	952102	244.27	ug/l	99
60) Dibromochloromethane	9.95	129	387675	54.61	ug/l	99
61) 1,2-Dibromoethane	10.09	107	290991	50.26	ug/l	92
64) Tetrachloroethene	9.51	164	382466	51.74	ug/l	99
65) Chlorobenzene	10.72	112	853500	50.98	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	355436	55.26	ug/l	98
67) Ethyl Benzene	10.85	91	1518587	50.21	ug/l	100
68) m/p-Xylenes	11.00	106	1015948	103.04	ug/l	97
69) o-Xylene	11.40	106	483806	49.44	ug/l	95
70) Stvrene	11.43	104	815104	50.31	ug/l	99
71) Bromoform	11.59	173	267882	55.37	ug/l	96
73) Isopropylbenzene	11.77	105	1427007	56.87	ug/l	99
74) N-amyl acetate	11.64	43	509883	52.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	327018	59.78	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	316494	55.62	ug/l	97
77) Bromobenzene	12.04	156	411665	55.43	ug/l	87
78) n-propylbenzene	12.14	91	1704202	52.19	ug/l	95
79) 2-Chlorotoluene	12.21	91	1061223	56.97	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	1089857	55.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	73242	51.96	ug/l	87
82) 4-Chlorotoluene	12.32	91	1100352	61.47	ug/l	97
83) tert-Butylbenzene	12.57	119	1222477	55.33	ug/l	89
84) 1,2,4-Trimethylbenzene	12.62	105	1178881	56.03	ug/l	96
85) sec-Butylbenzene	12.75	105	1354962	50.81	ug/l	98
86) p-Isopropyltoluene	12.88	119	1053938	49.04	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	642559	51.14	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	582813	47.61	ug/l	94
89) n-Butylbenzene	13.19	91	995153	51.54	ug/l	96
90) Hexachloroethane	13.39	117	284231	51.81	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	543502	53.53	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	52831	62.57	ug/l	80
93) 1,2,4-Trichlorobenzene	14.34	180	428093	45.13	ug/l	99

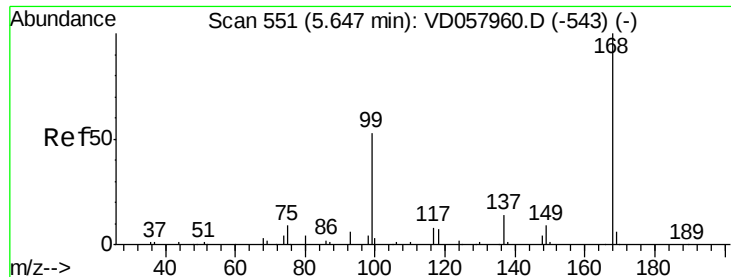
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	249485	33.44	ug/l	97
95) Naphthalene	14.51	128	582978	47.67	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	355657	44.00	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

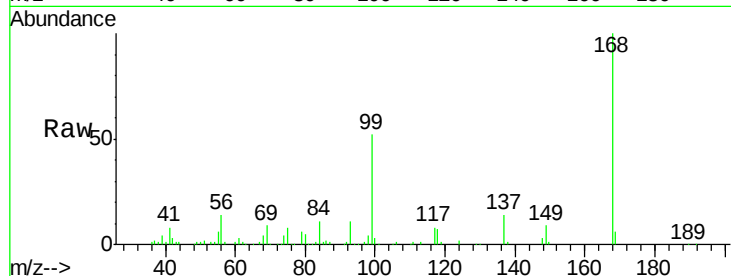
CAS1-SB-02-03-1-27MSD

Tot Ion:168 Resp: 769347

Ion Ratio Lower Upper

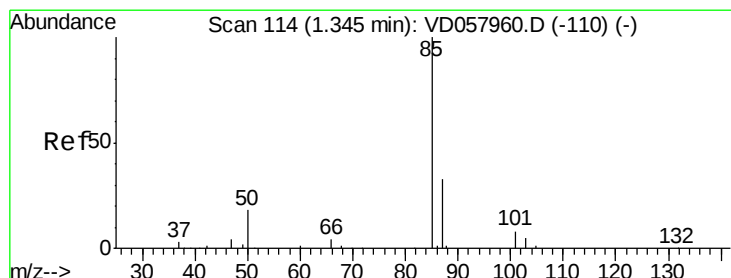
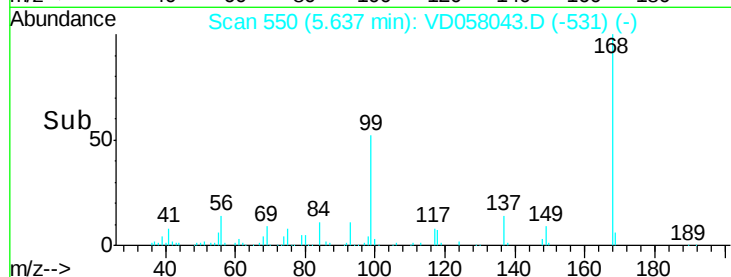
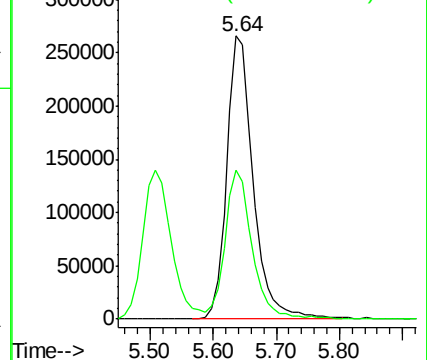
168 100

99 52.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.84 ug/l

RT: 1.34 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058043.D

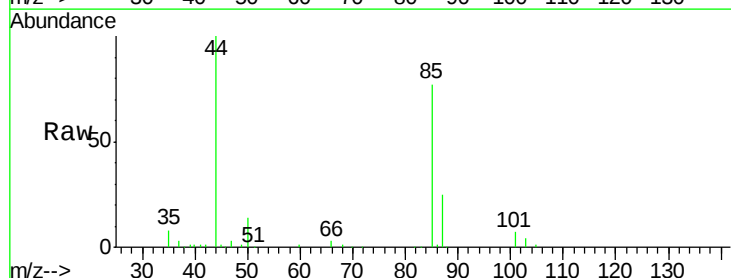
Acq: 9 Jun 2018 4:58

Tgt Ion: 85 Resp: 462953

Ion Ratio Lower Upper

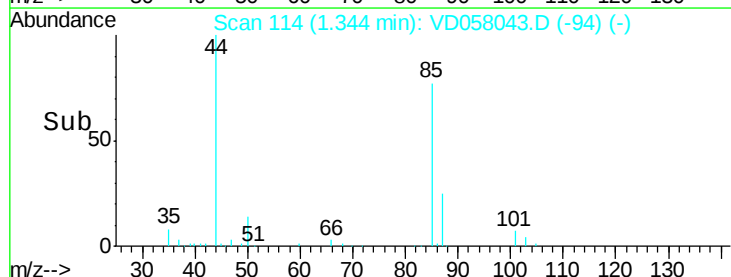
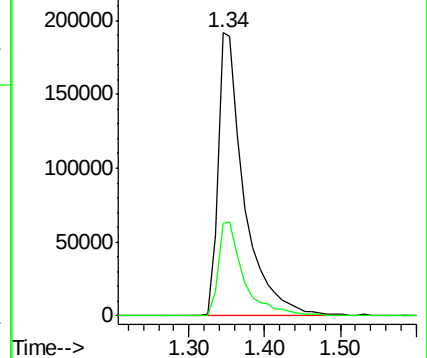
85 100

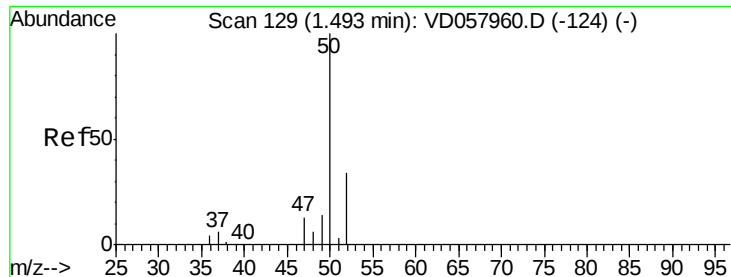
87 32.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.25 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

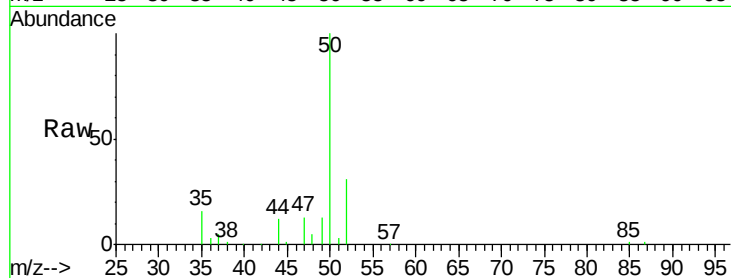
CAS1-SB-02-03-1-27MSD

Tot Ion: 50 Resp: 250438

Ion Ratio Lower Upper

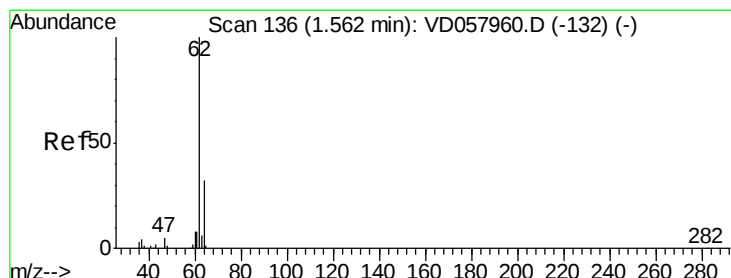
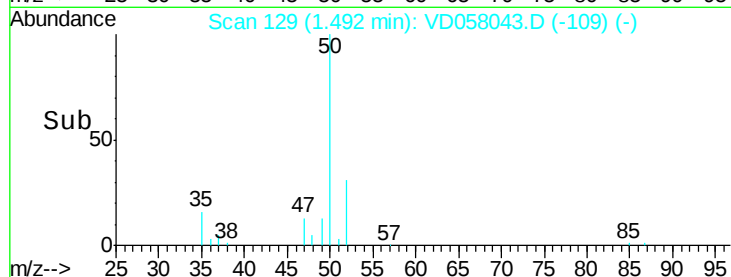
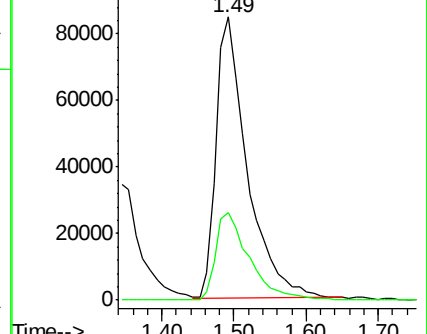
50 100

52 31.0 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.12 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD058043.D

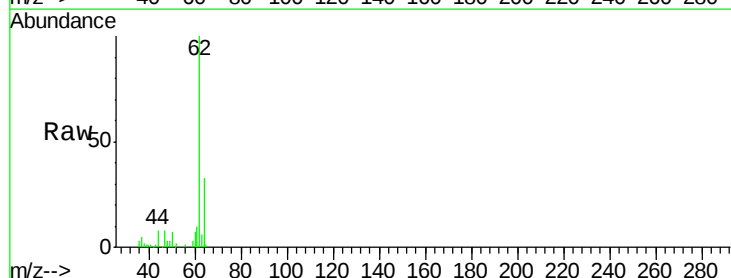
Acq: 9 Jun 2018 4:58

Tgt Ion: 62 Resp: 246693

Ion Ratio Lower Upper

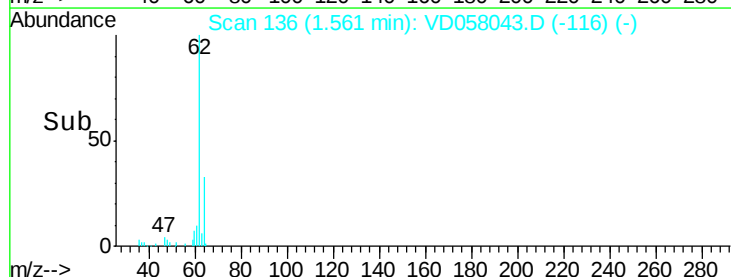
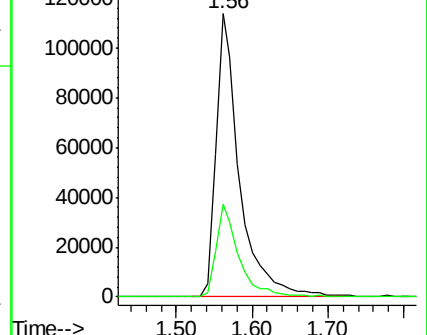
62 100

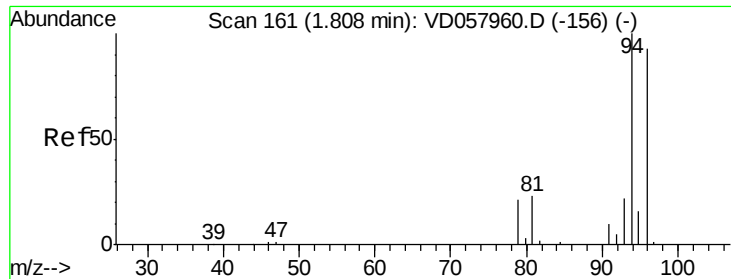
64 33.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

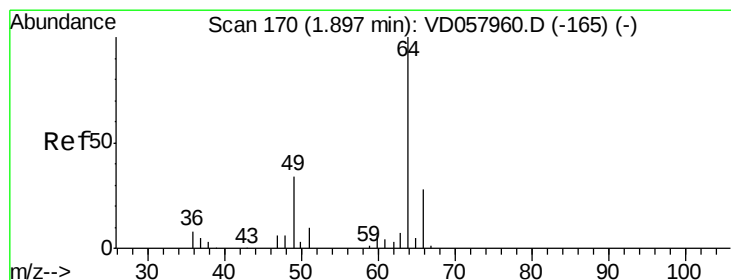
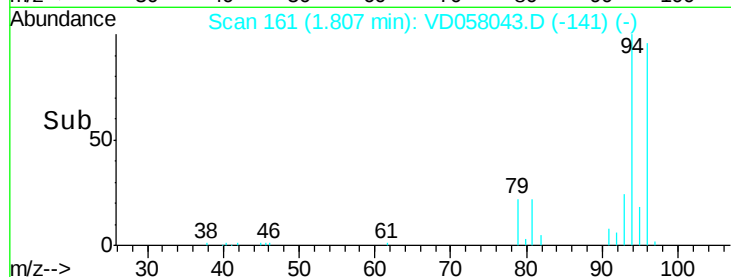
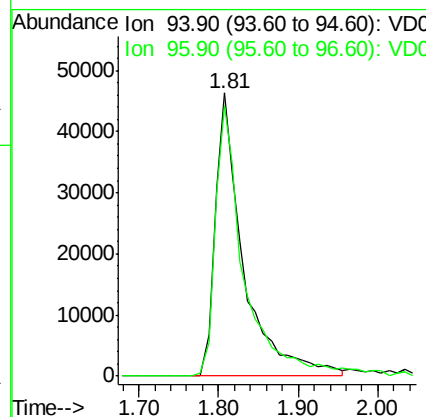
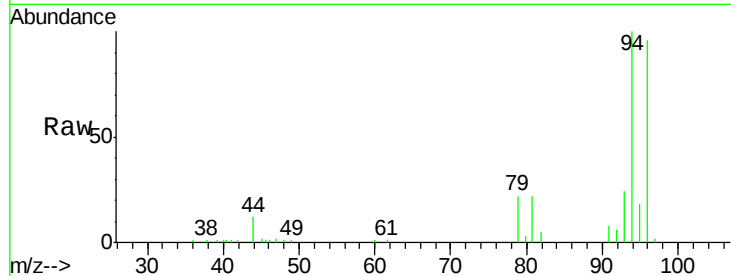




#5
Bromomethane
Concen: 59.84 ug/l
RT: 1.81 min Scan# 161
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

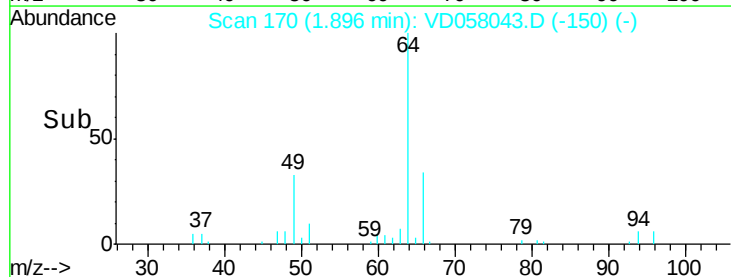
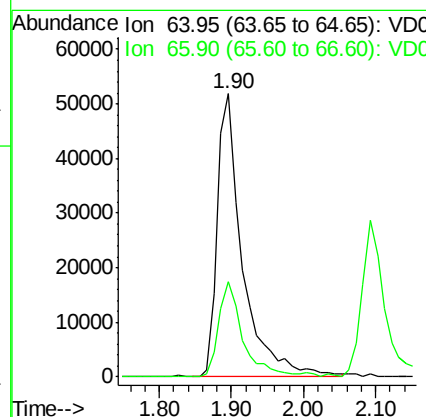
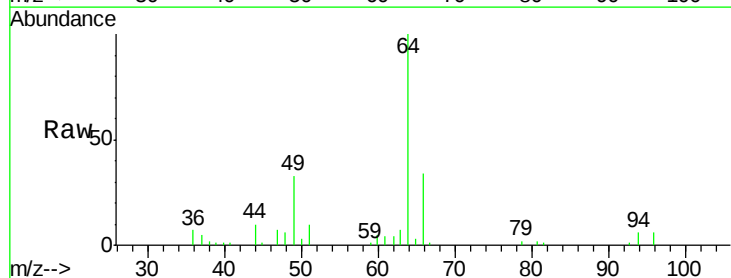
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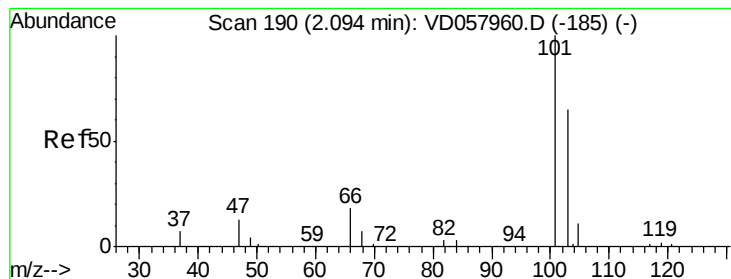
Tot Ion: 94 Resp: 115455
Ion Ratio Lower Upper
94 100
96 95.7 74.3 111.5



#6
Chloroethane
Concen: 63.99 ug/l
RT: 1.90 min Scan# 170
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 64 Resp: 124277
Ion Ratio Lower Upper
64 100
66 33.6 22.8 34.2





#7

Trichlorofluoromethane

Concen: 54.57 ug/l

RT: 2.09 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

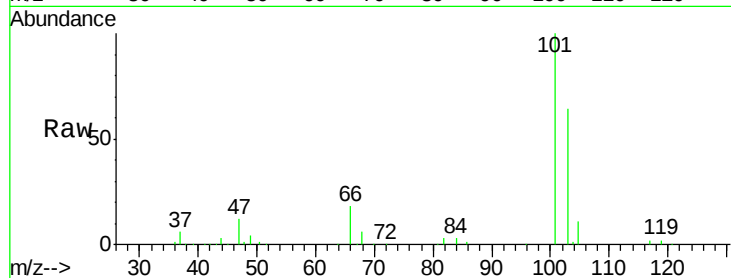
CAS1-SB-02-03-1-27MSD

Tot Ion:101 Resp: 367186

Ion Ratio Lower Upper

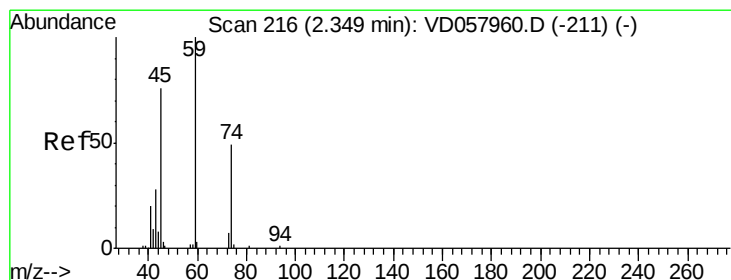
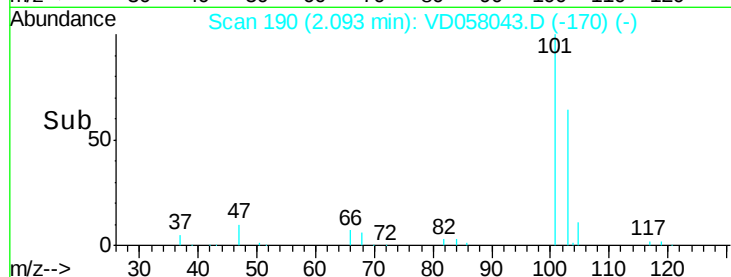
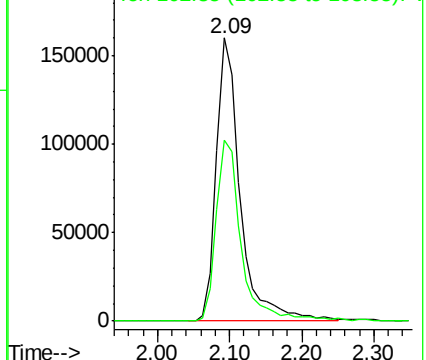
101 100

103 64.0 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 61.92 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: VD058043.D

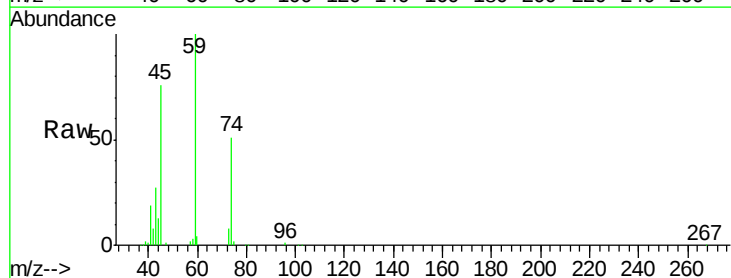
Acq: 9 Jun 2018 4:58

Tgt Ion: 74 Resp: 77398

Ion Ratio Lower Upper

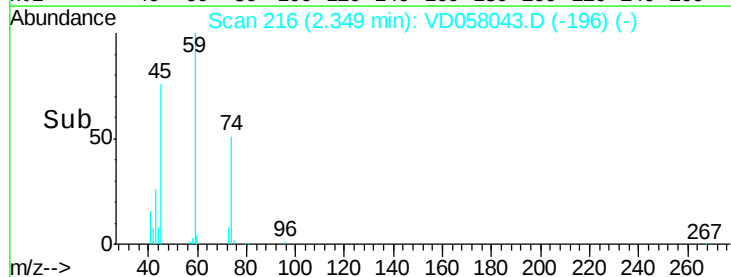
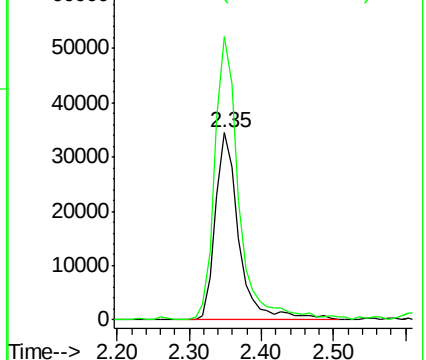
74 100

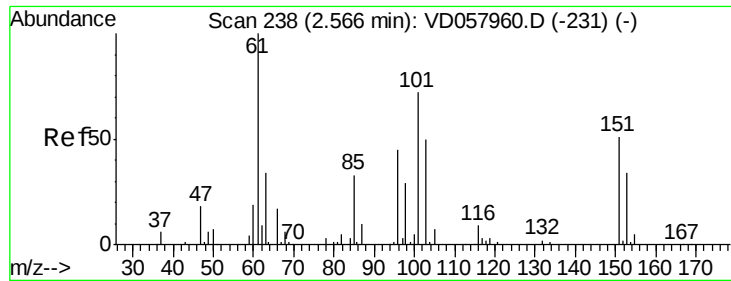
45 151.2 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.84 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

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MSVOA_D

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CAS1-SB-02-03-1-27MSD

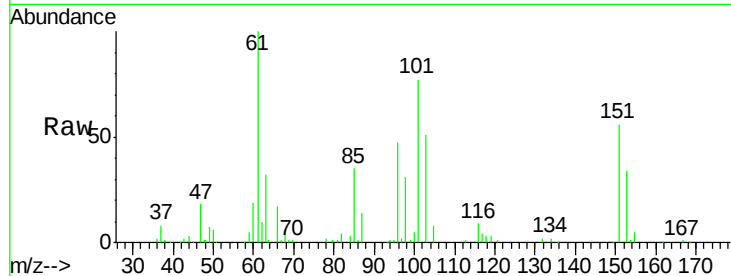
Tot Ion:101 Resp: 216078

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

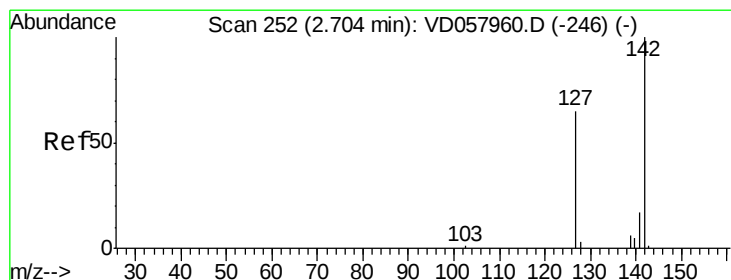
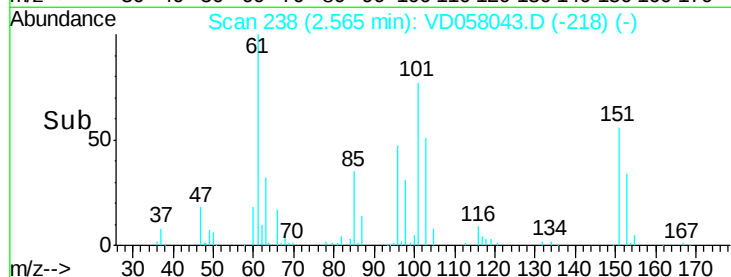
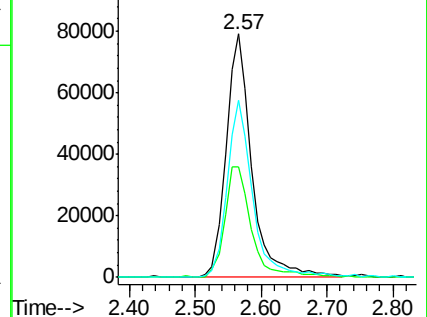
151 72.6 57.0 85.6



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: 56.26 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

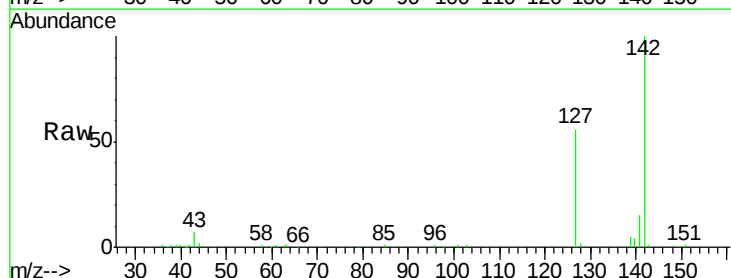
Tgt Ion:142 Resp: 291354

Ion Ratio Lower Upper

142 100

127 56.4 52.0 78.0

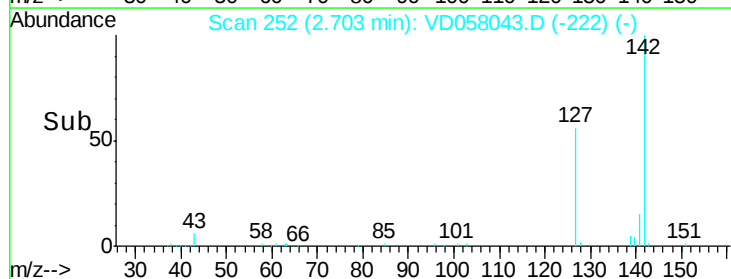
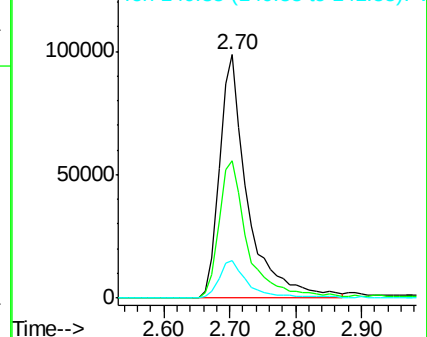
141 15.3 13.2 19.8

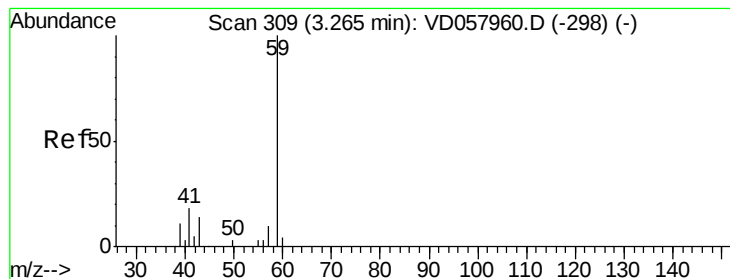


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



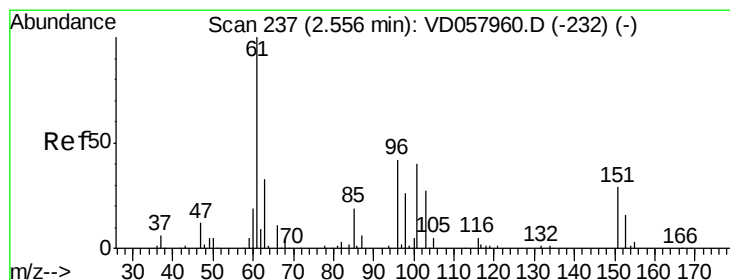
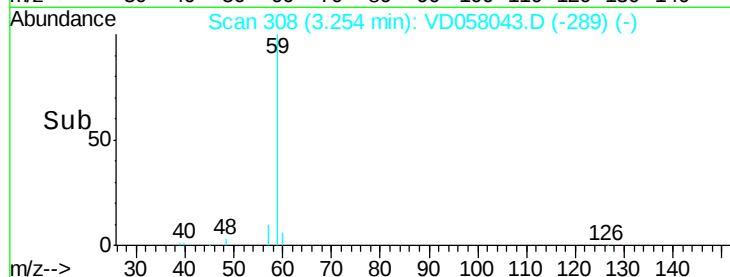
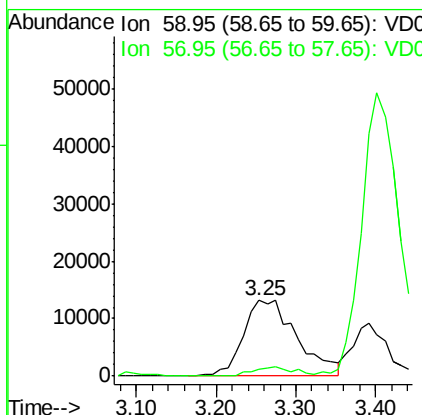
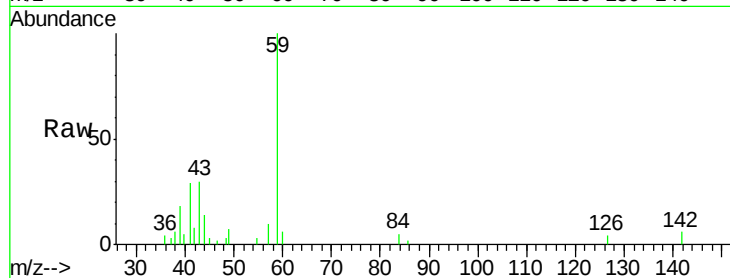


#11

Tert butyl alcohol
Concen: 298.99 ug/l
RT: 3.25 min Scan# 308
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

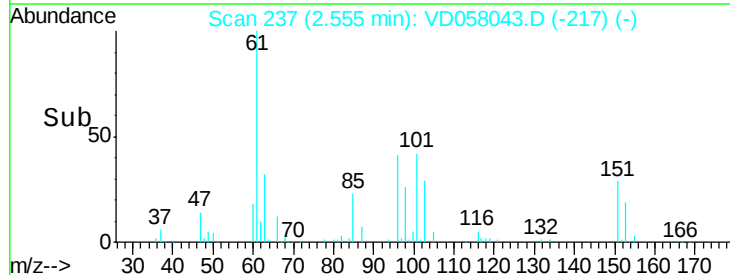
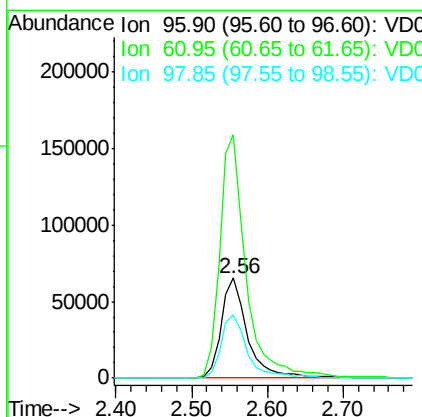
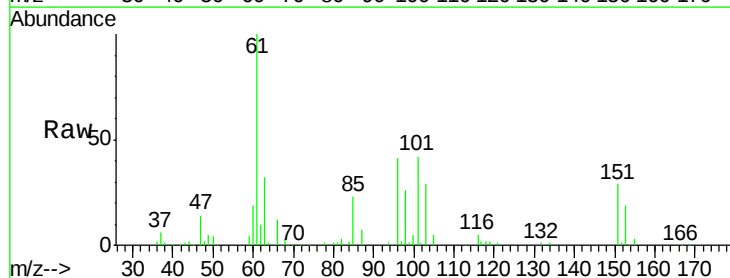
Tot Ion: 59 Resp: 61606
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

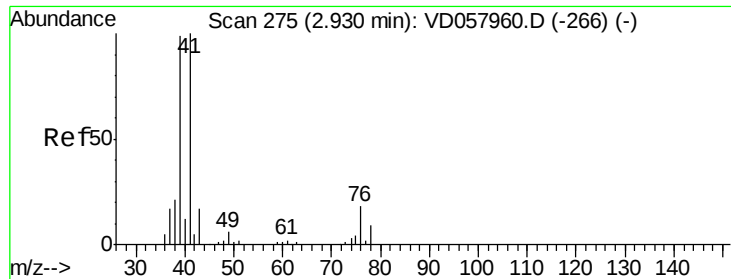


#12

1,1-Dichloroethene
Concen: 51.09 ug/l
RT: 2.56 min Scan# 237
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 96 Resp: 157636
Ion Ratio Lower Upper
96 100
61 243.8 190.2 285.4
98 63.0 49.6 74.4





#14

Allvl chloride

Concen: 48.98 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

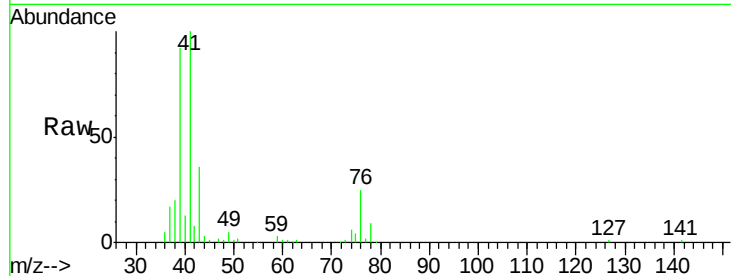
Tot Ion: 41 Resp: 348654

Ion Ratio Lower Upper

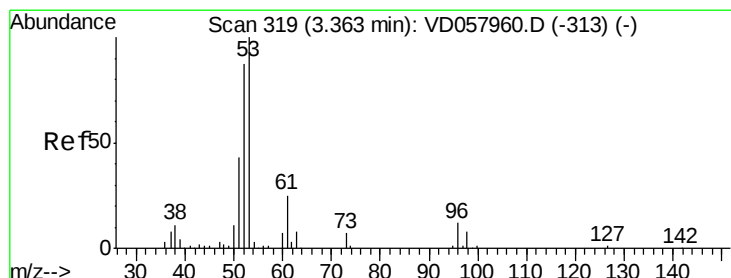
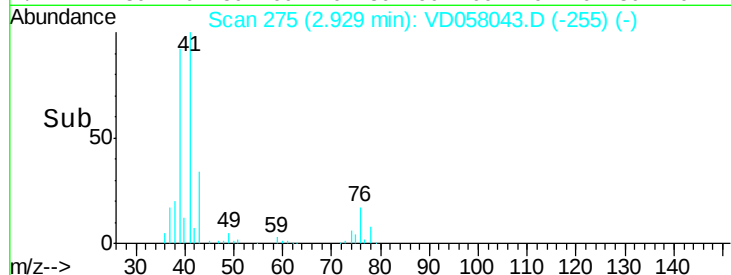
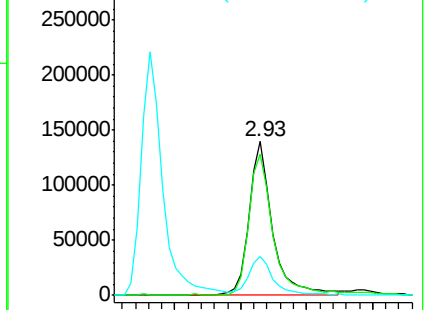
41 100

39 92.3 79.5 119.3

76 25.2 20.7 31.1



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



#15

Acrylonitrile

Concen: 269.83 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

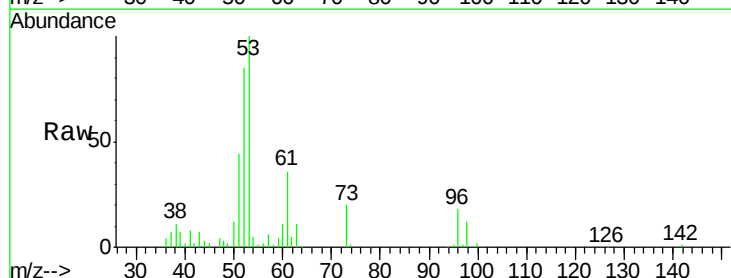
Tgt Ion: 53 Resp: 325258

Ion Ratio Lower Upper

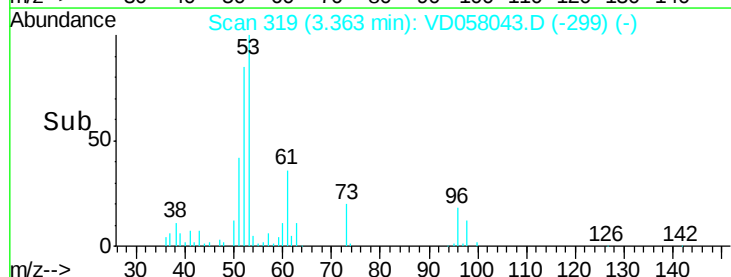
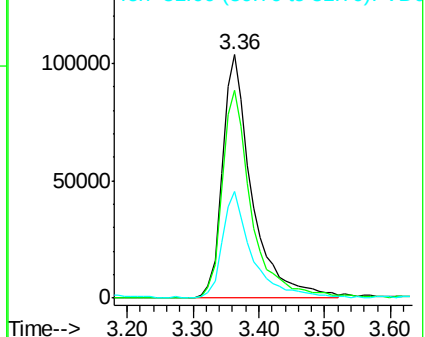
53 100

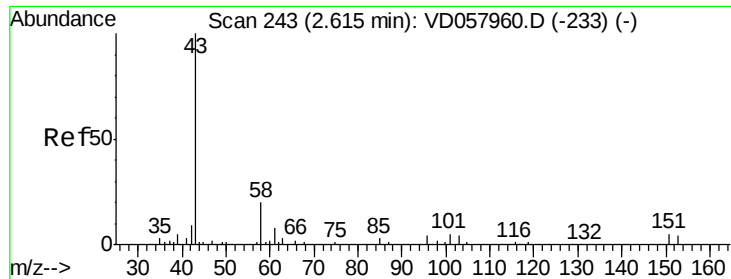
52 85.3 69.9 104.9

51 43.9 34.3 51.5



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





#16

Acetone

Concen: 293.72 ug/l

RT: 2.61 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

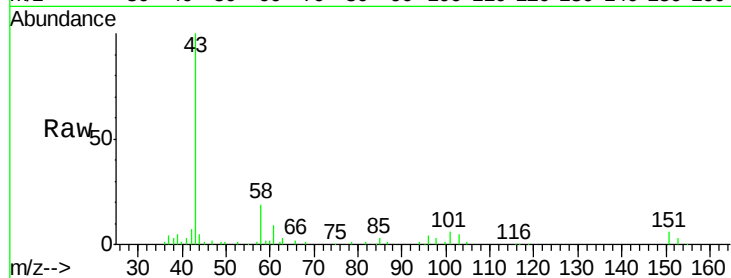
CAS1-SB-02-03-1-27MSD

Tot Ion: 43 Resp: 325488

Ion Ratio Lower Upper

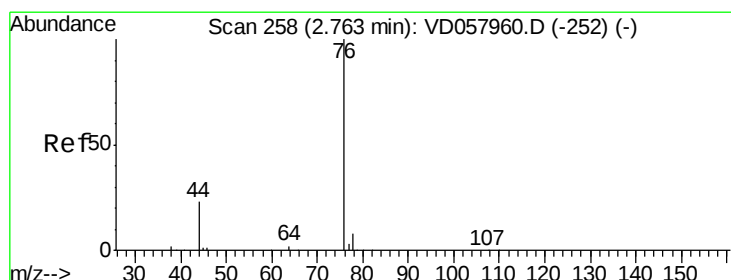
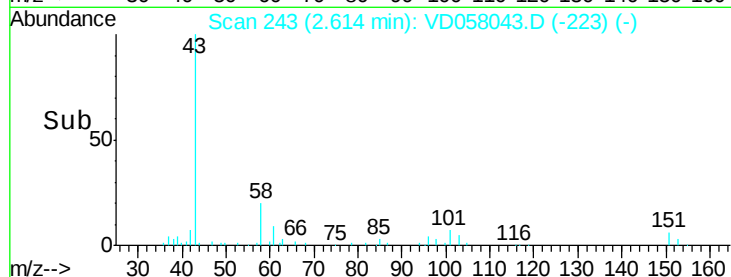
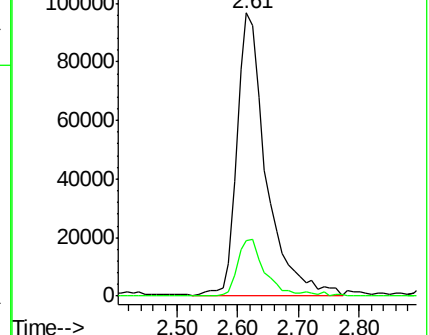
43 100

58 19.5 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 45.40 ug/l

RT: 2.76 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD058043.D

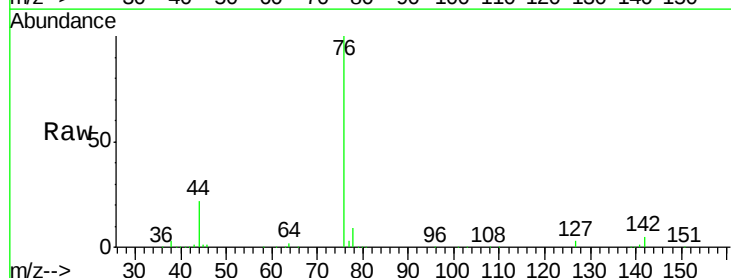
Acq: 9 Jun 2018 4:58

Tgt Ion: 76 Resp: 507447

Ion Ratio Lower Upper

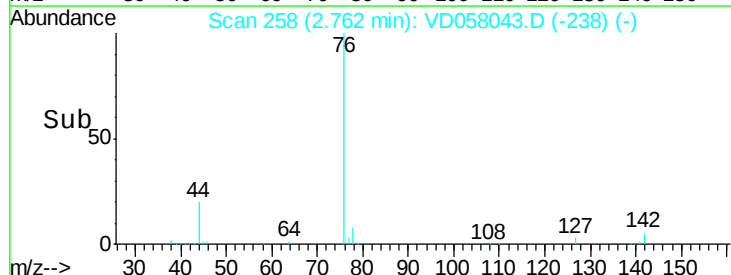
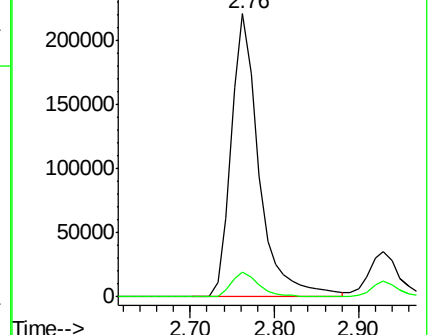
76 100

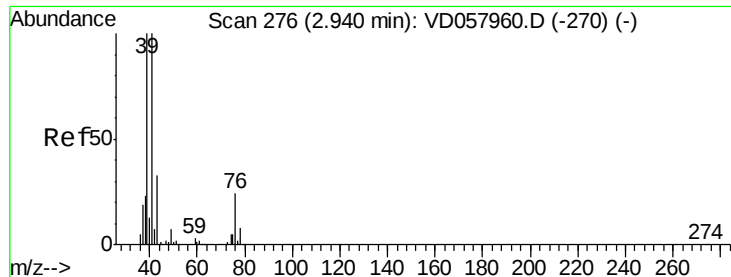
78 8.7 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

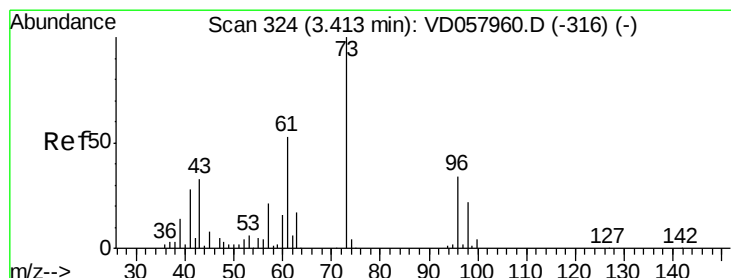
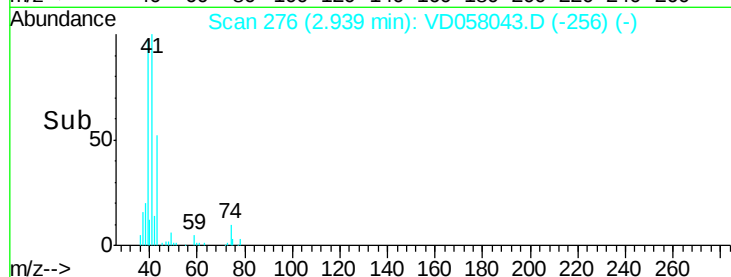
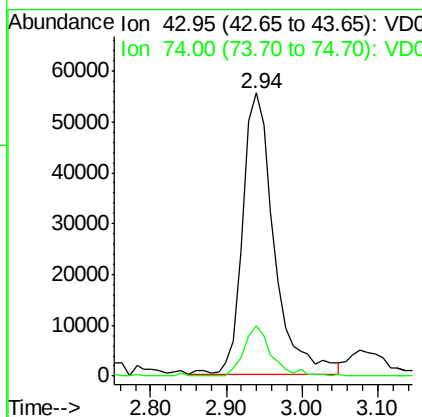
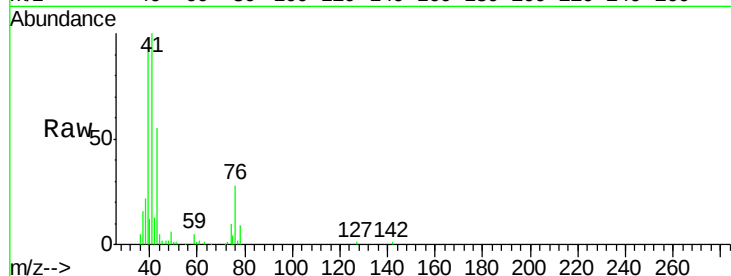




#18
Methvl Acetate
Concen: 74.43 ug/l
RT: 2.94 min Scan# 276
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

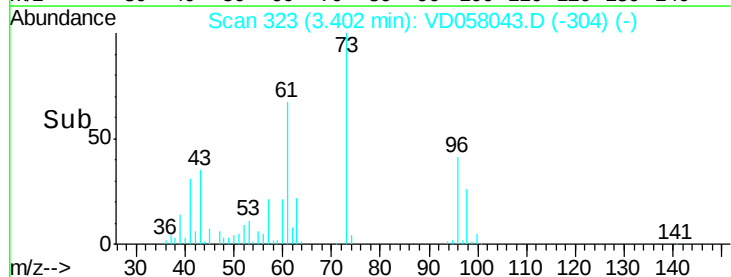
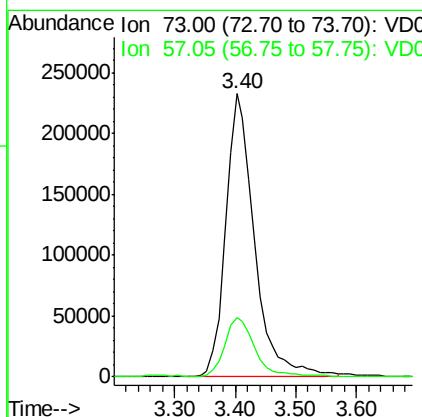
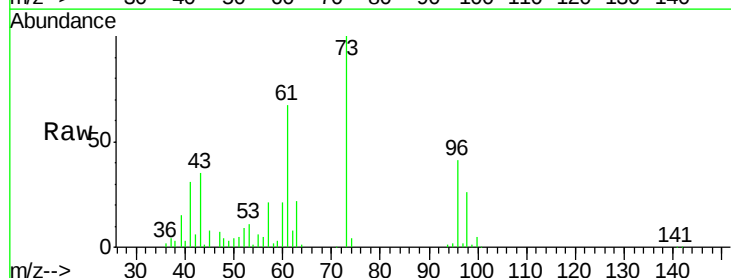
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

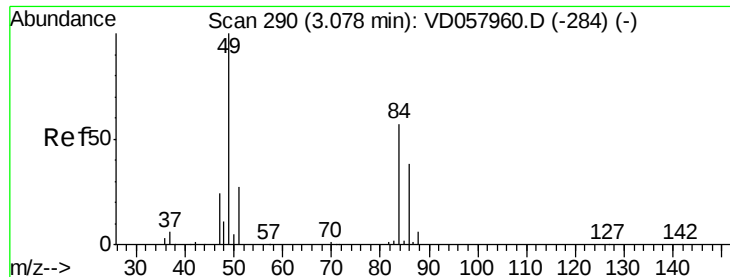
Tot Ion: 43 Resp: 159546
Ion Ratio Lower Upper
43 100
74 18.0 11.2 16.8#



#19
Methyl tert-butyl Ether
Concen: 56.32 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 73 Resp: 764641
Ion Ratio Lower Upper
73 100
57 21.2 16.7 25.1

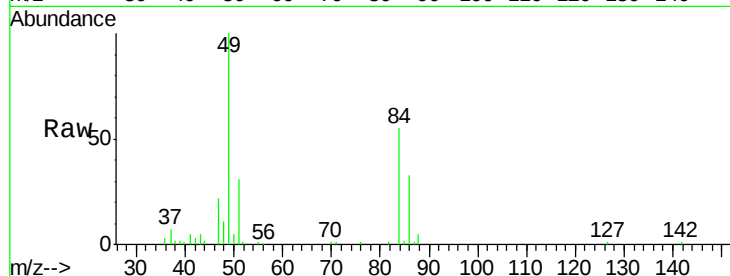




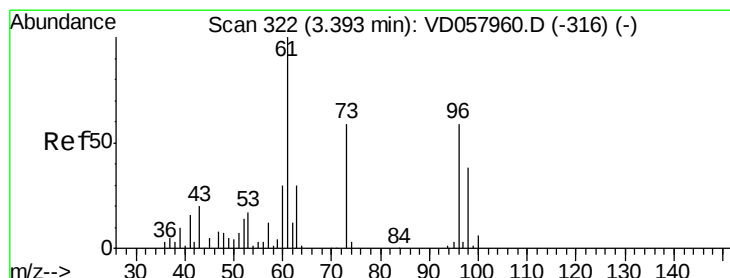
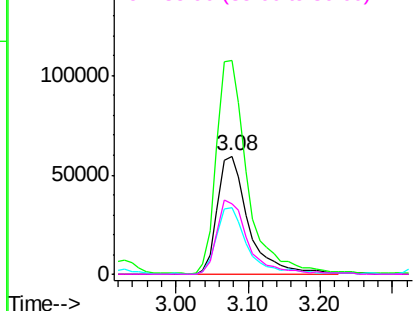
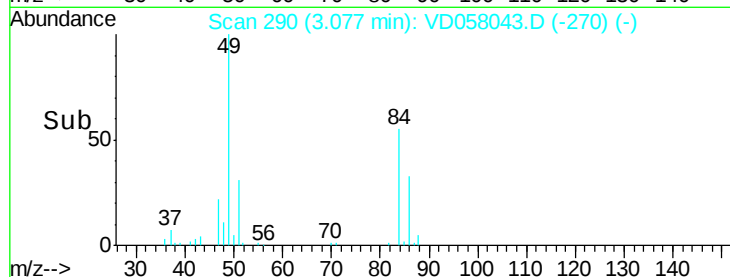
#20
Methylene Chloride
Concen: 58.63 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion: 84 Resp: 177987
Ion Ratio Lower Upper
84 100
49 180.9 141.4 212.0
51 56.6 38.3 57.5
86 59.5 52.9 79.3

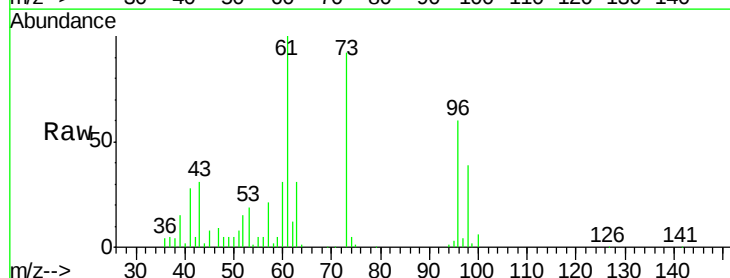


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

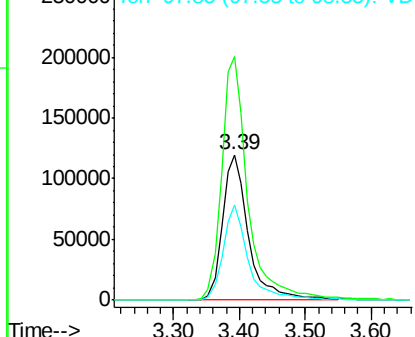
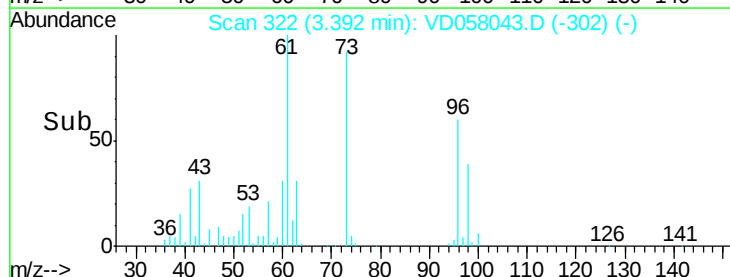


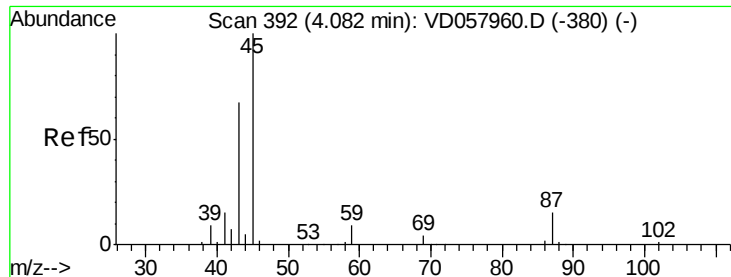
#21
trans-1,2-Dichloroethene
Concen: 48.33 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 96 Resp: 332149
Ion Ratio Lower Upper
96 100
61 167.5 135.2 202.8
98 65.4 51.7 77.5



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





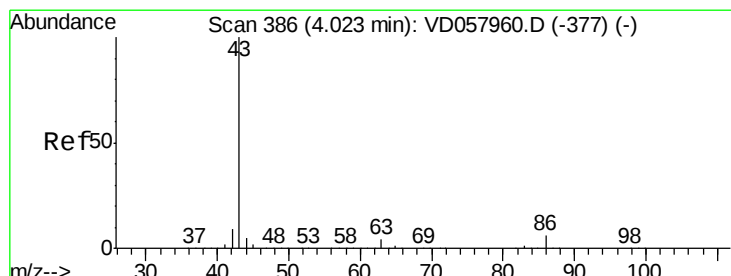
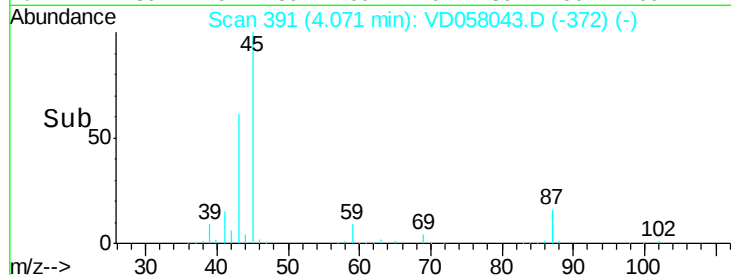
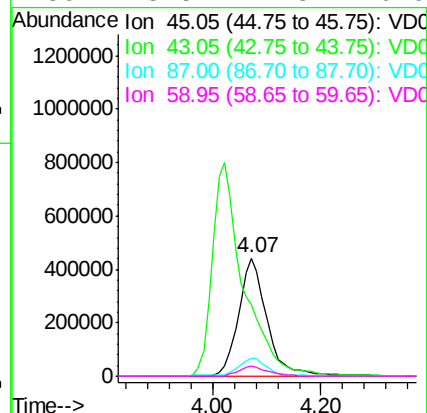
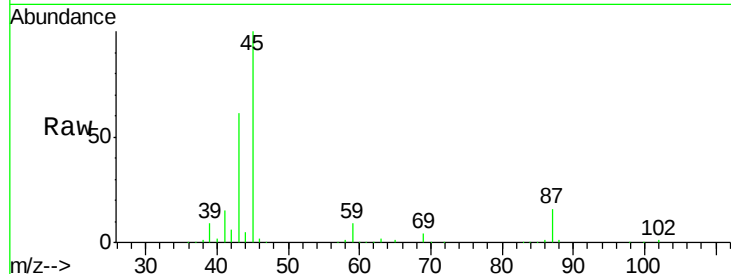
#22

Diisopropyl ether
 Concen: 57.10 ug/l
 RT: 4.07 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

Tot Ion: 45 Resp: 1610057

Ion	Ratio	Lower	Upper
45	100		
43	60.6	53.8	80.8
87	15.7	12.5	18.7
59	8.5	7.3	10.9

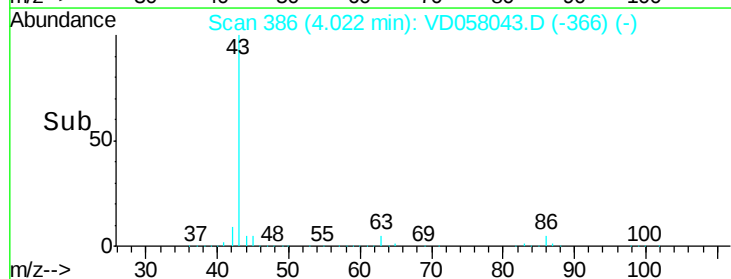
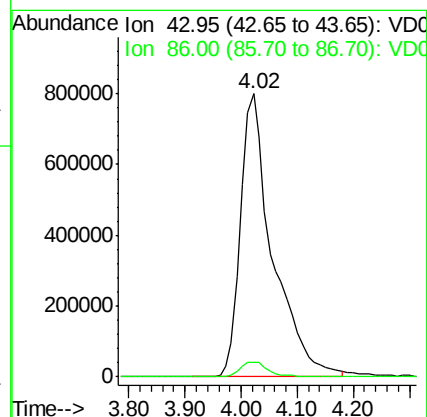
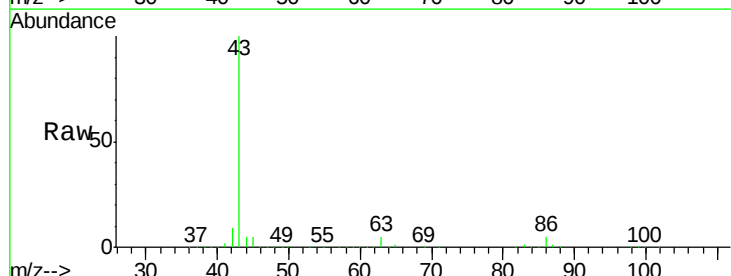


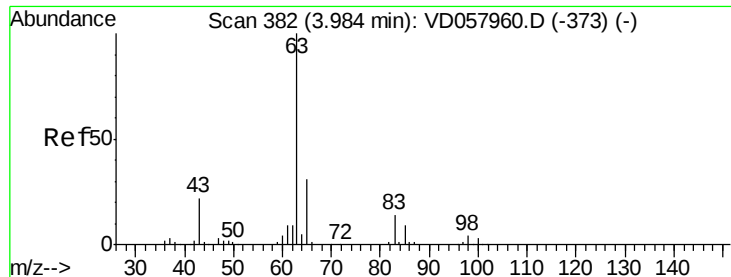
#23

Vinyl Acetate
 Concen: 218.26 ug/l
 RT: 4.02 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 3179996

Ion	Ratio	Lower	Upper
43	100		
86	5.4	4.7	7.1





#24

1,1-Dichloroethane

Concen: 53.71 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

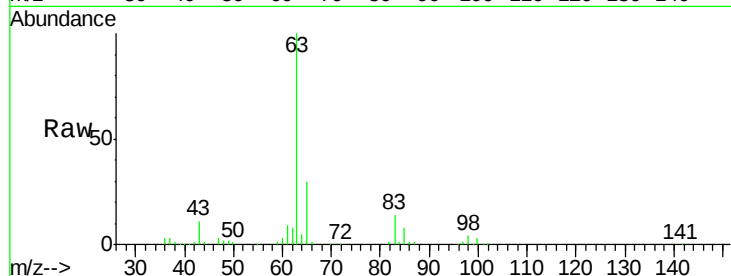
Tot Ion: 63 Resp: 832396

Ion Ratio Lower Upper

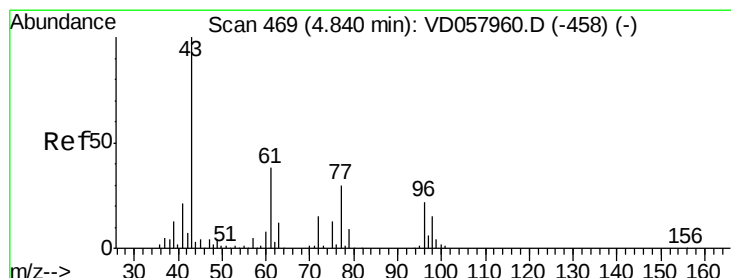
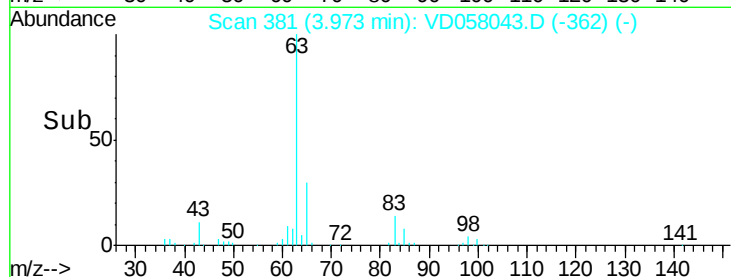
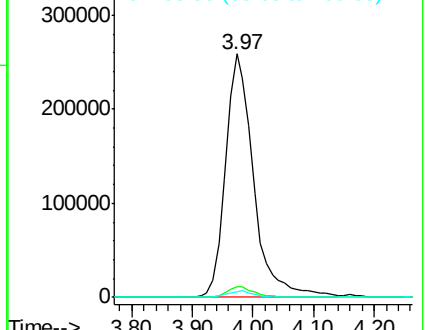
63 100

98 4.3 2.0 5.8

100 2.5 1.4 4.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 244.26 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058043.D

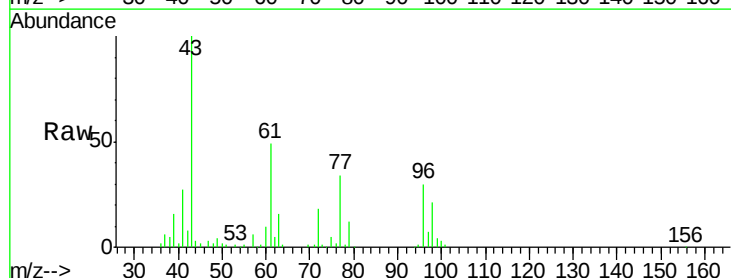
Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 615133

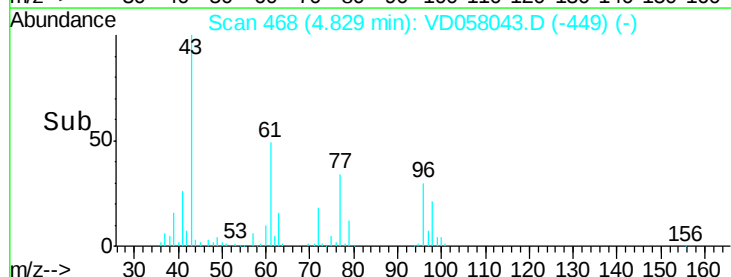
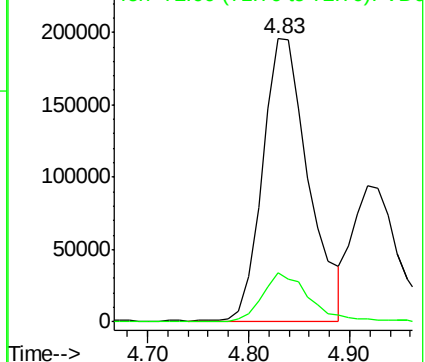
Ion Ratio Lower Upper

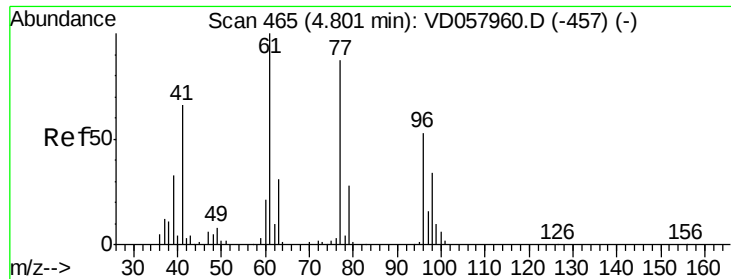
43 100

72 17.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 46.55 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

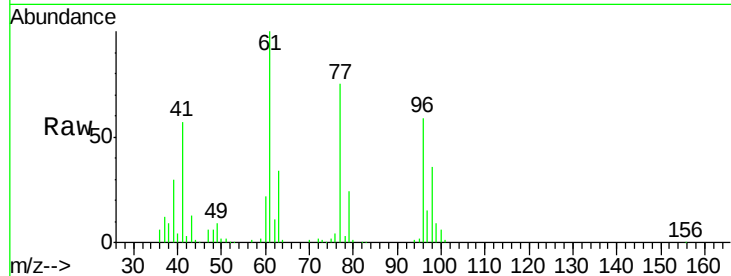
CAS1-SB-02-03-1-27MSD

Tot Ion: 77 Resp: 594269

Ion Ratio Lower Upper

77 100

97 19.7 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.80

200000

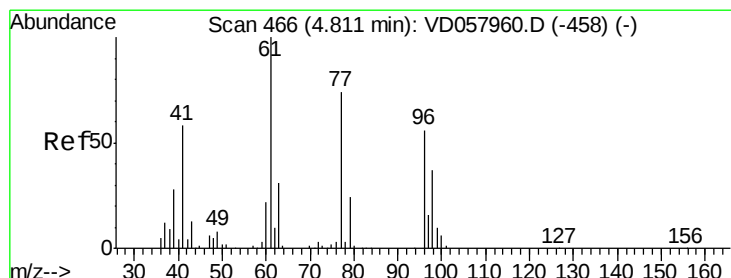
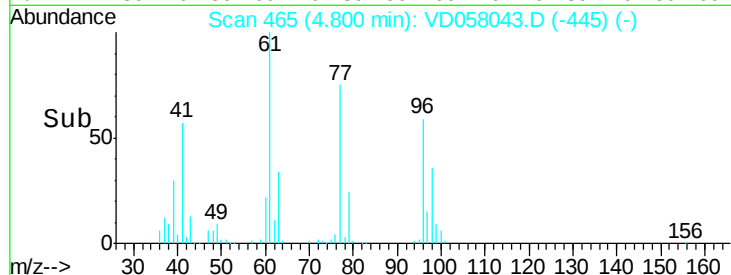
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 51.18 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

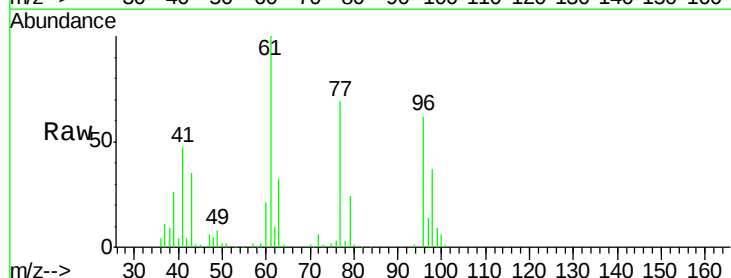
Tgt Ion: 96 Resp: 417174

Ion Ratio Lower Upper

96 100

61 161.0 0.0 355.0

98 60.4 0.0 129.6



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

300000

250000

200000

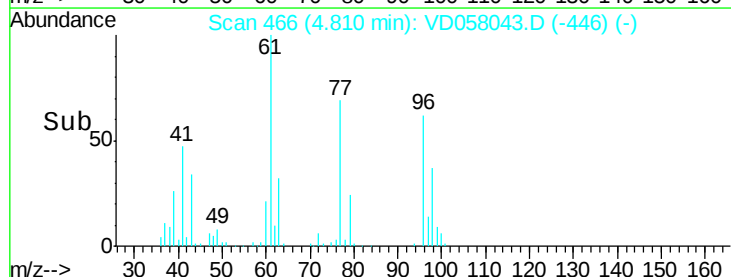
150000

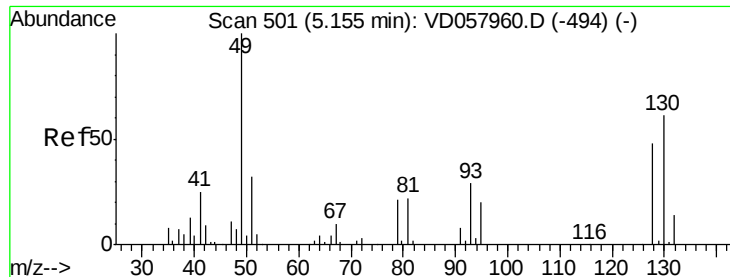
100000

50000

0

Time-->





#28

Bromochloromethane

Concen: 59.58 ug/l

RT: 5.14 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

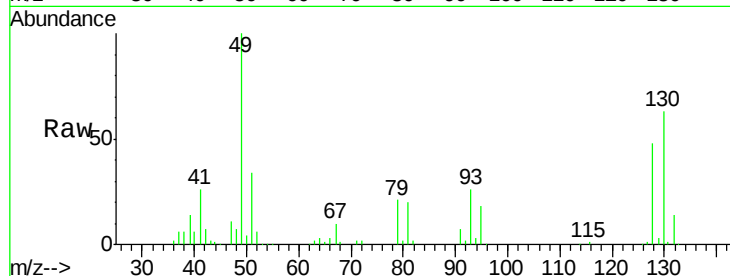
Tot Ion: 49 Resp: 399637

Ion Ratio Lower Upper

49 100

129 2.6 0.0 3.6

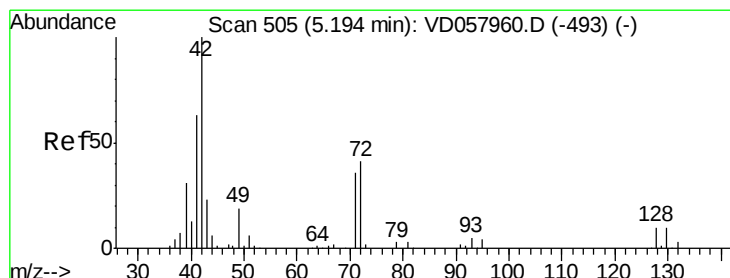
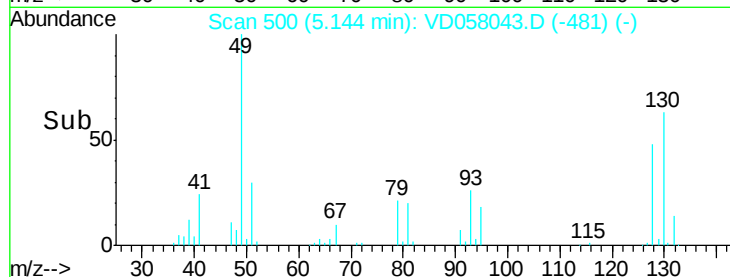
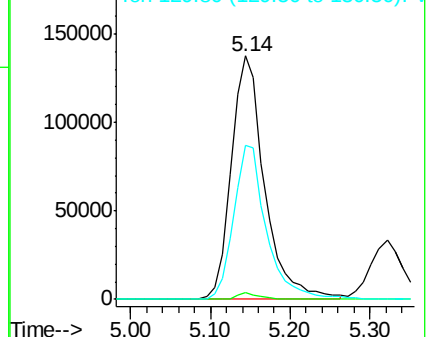
130 63.1 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 270.30 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

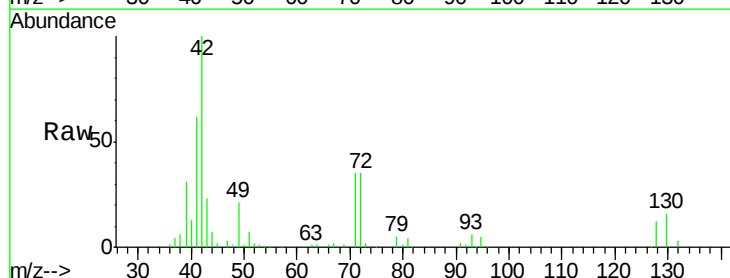
Tgt Ion: 42 Resp: 356846

Ion Ratio Lower Upper

42 100

72 33.4 28.5 42.7

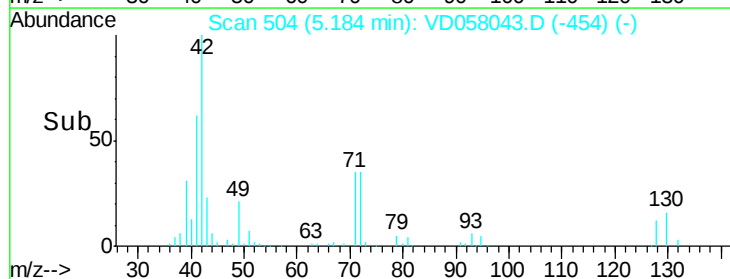
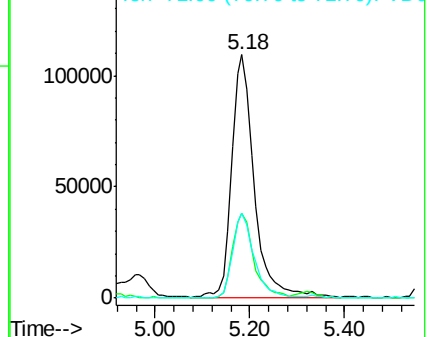
71 33.6 27.9 41.9

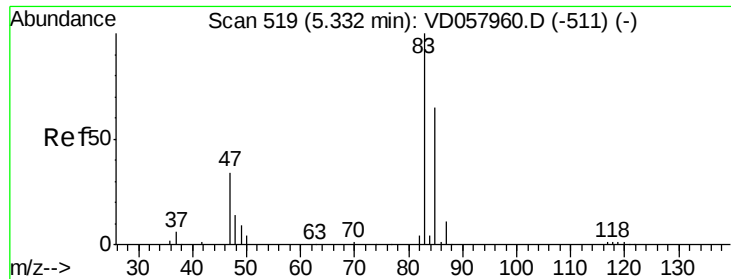


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

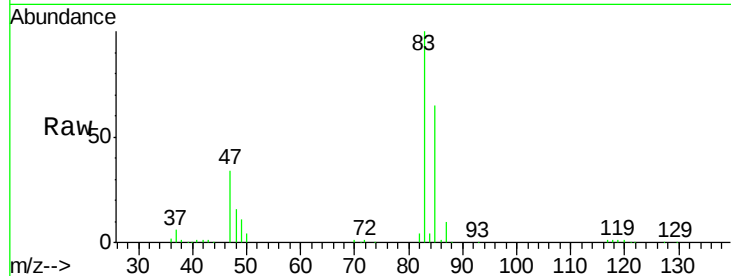




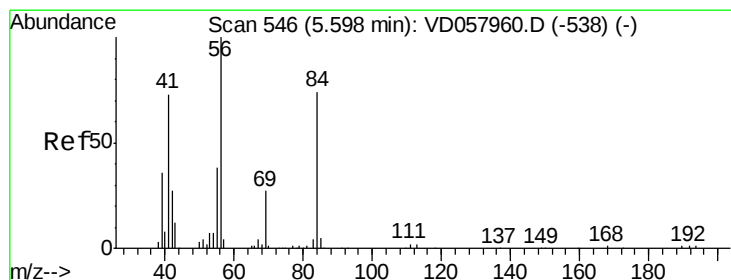
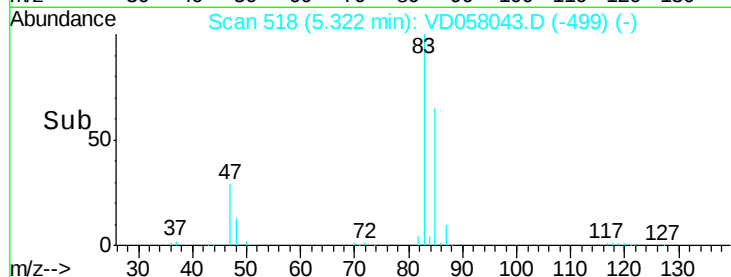
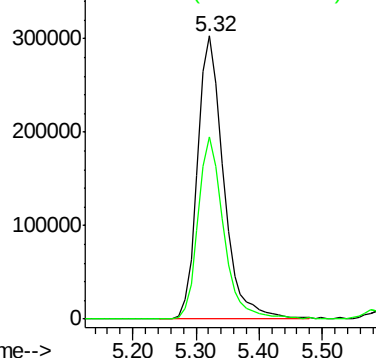
#30
Chloroform
Concen: 55.59 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion: 83 Resp: 866986
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4

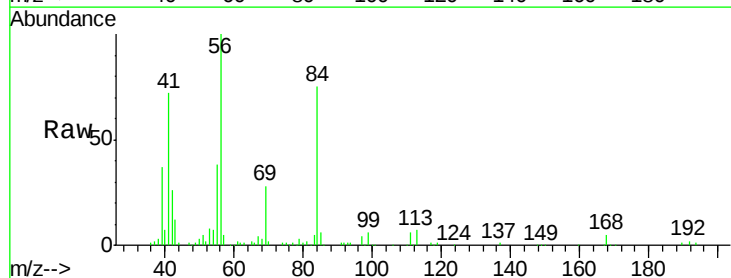


Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

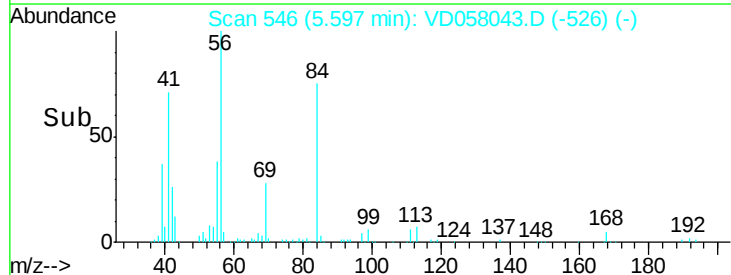
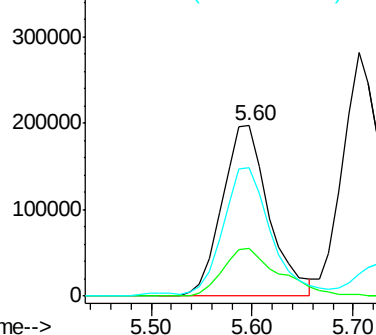


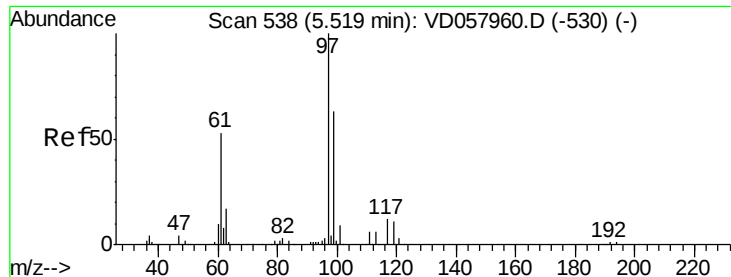
#31
Cyclohexane
Concen: 47.60 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 56 Resp: 636678
Ion Ratio Lower Upper
56 100
69 28.1 21.5 32.3
84 75.3 61.0 91.6



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: 53.38 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

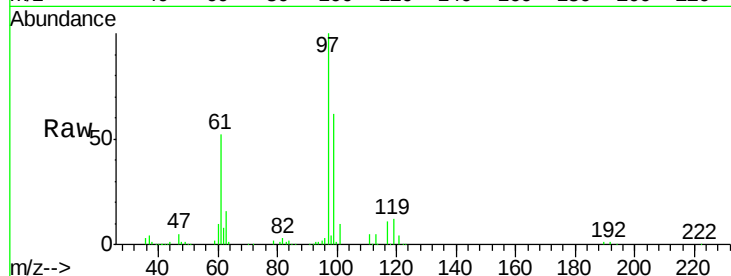
Tot Ion: 97 Resp: 697127

Ion Ratio Lower Upper

97 100

99 62.0 50.1 75.1

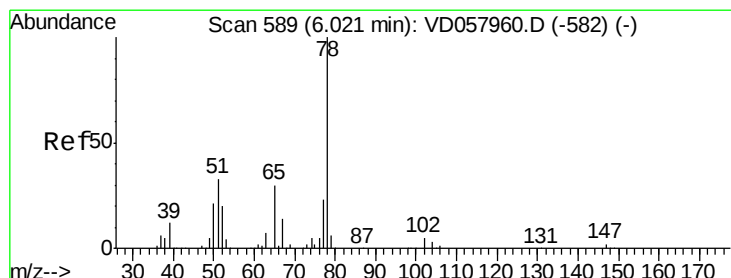
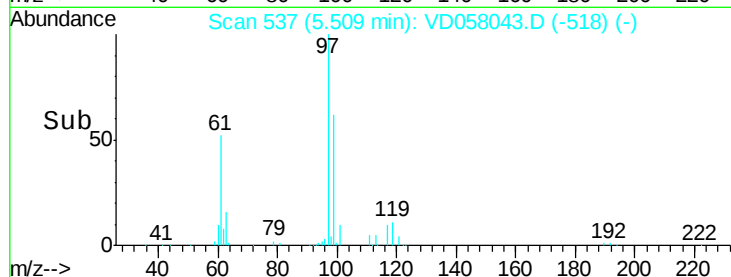
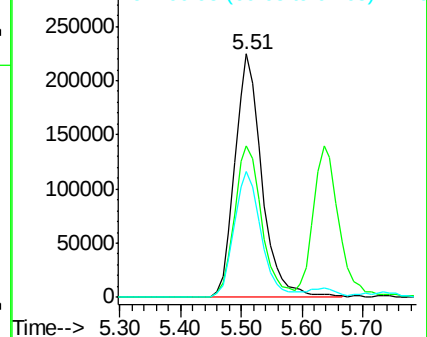
61 51.7 42.2 63.4



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: 53.38 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058043.D

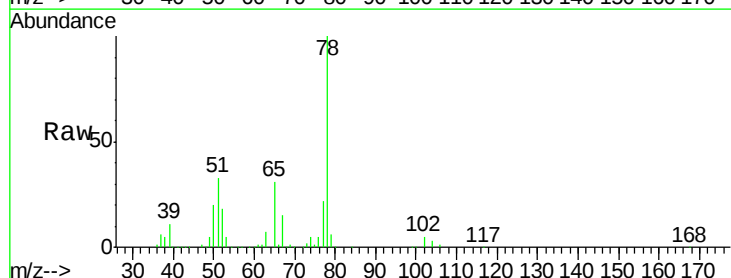
Acq: 9 Jun 2018 4:58

Tgt Ion: 65 Resp: 377852

Ion Ratio Lower Upper

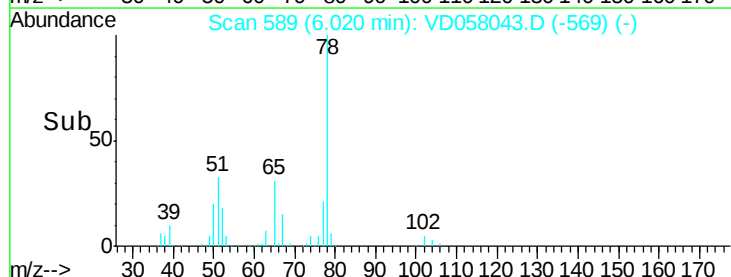
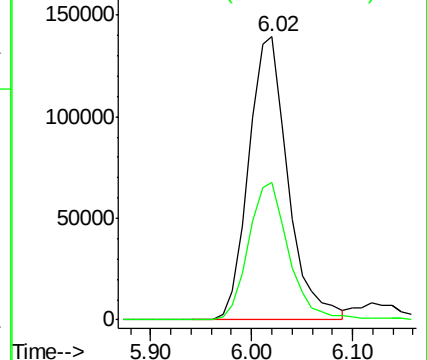
65 100

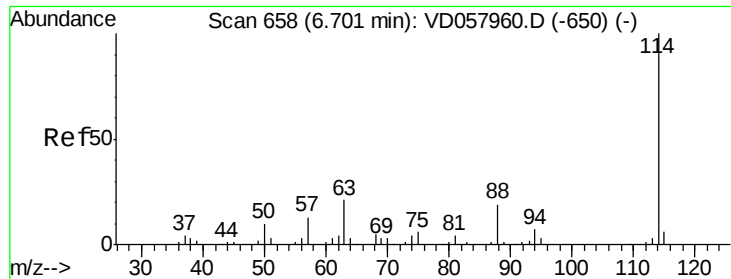
67 48.5 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

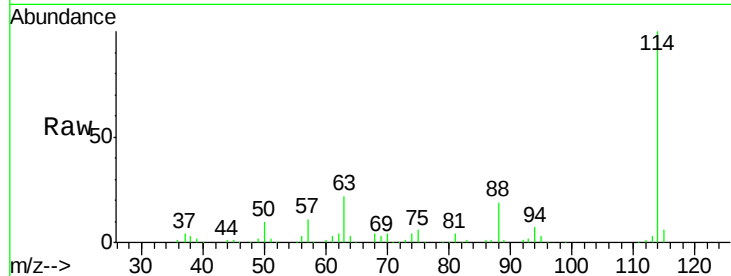




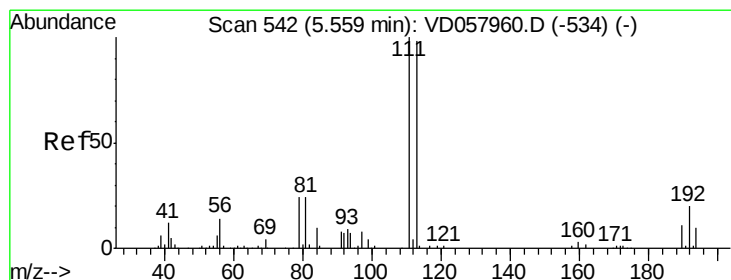
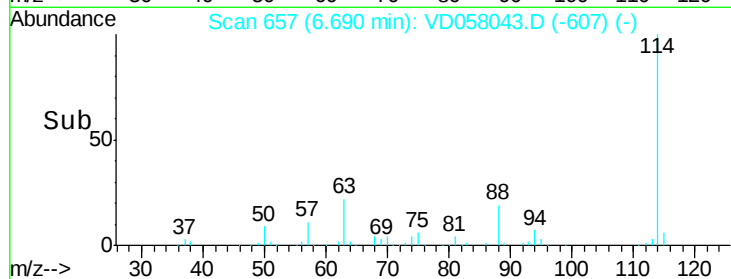
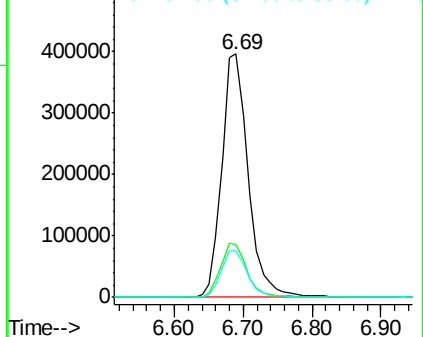
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

Tot Ion:114 Resp: 1053092
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 18.9 0.0 37.8

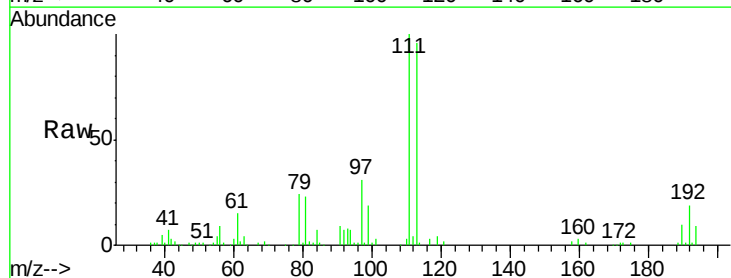


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

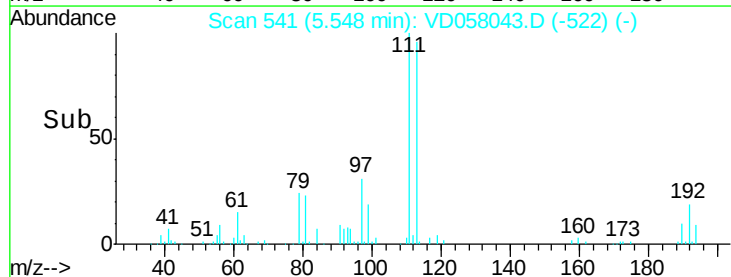
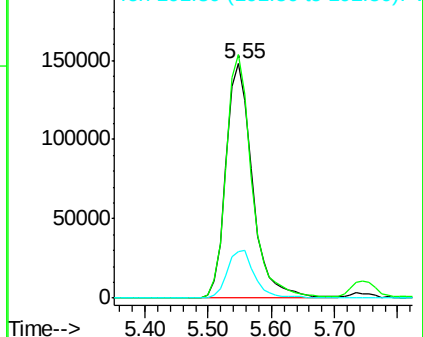


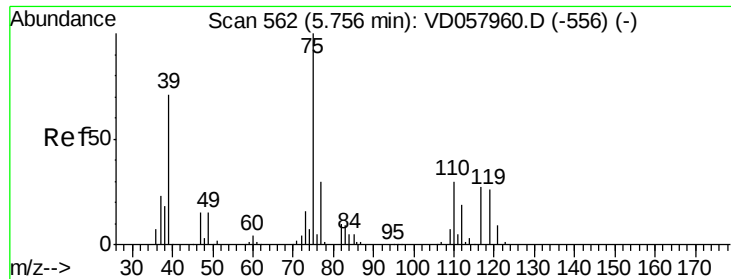
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion:113 Resp: 431056
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.5 122.3
 192 19.7 16.4 24.6



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

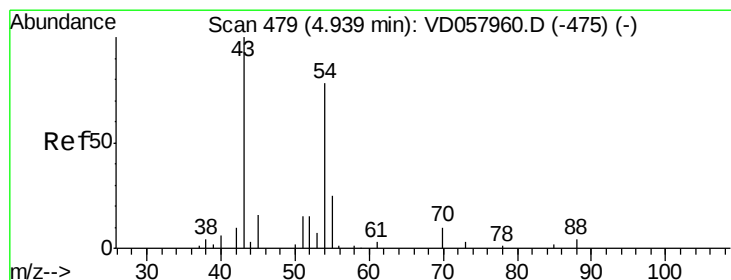
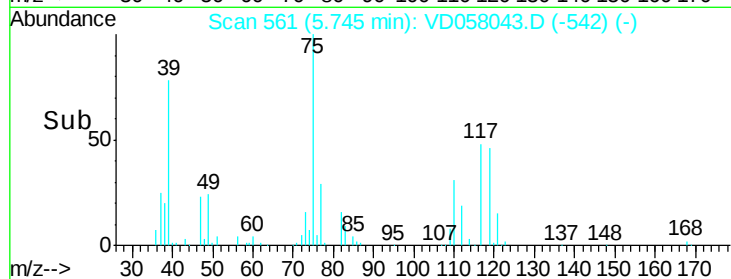
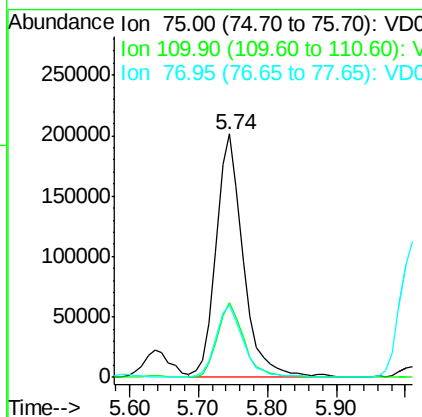
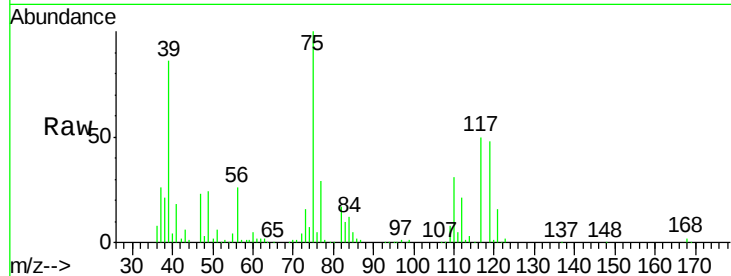




#36
 1,1-Dichloropropene
 Concen: 46.67 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

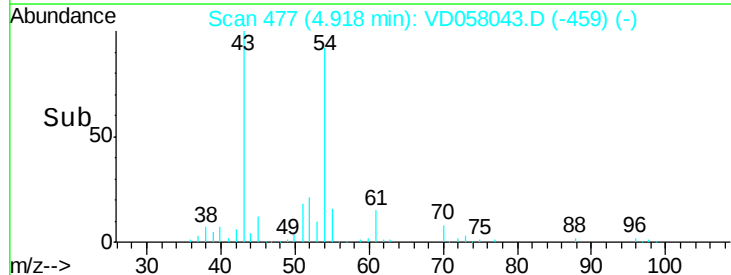
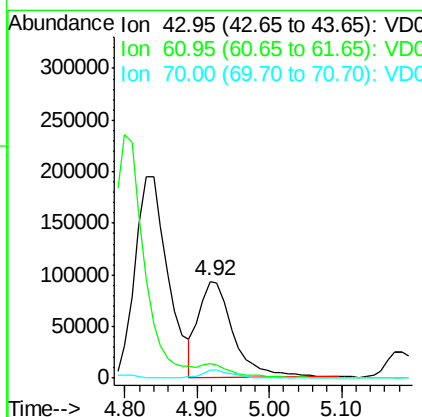
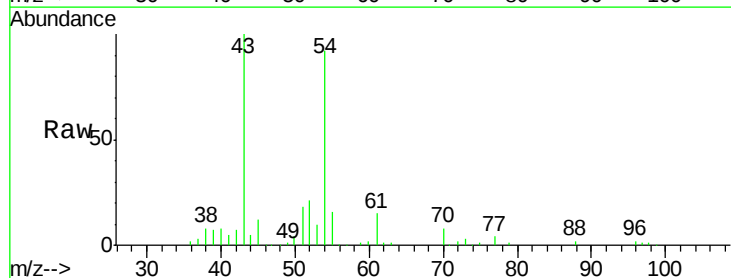
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

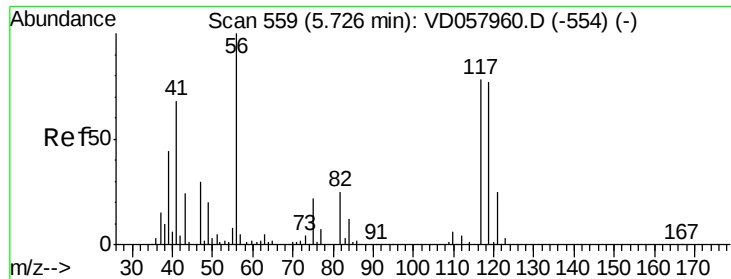
Tot Ion: 75 Resp: 541524
 Ion Ratio Lower Upper
 75 100
 110 30.6 14.8 44.3
 77 29.5 23.9 35.9



#37
 Ethyl Acetate
 Concen: 48.90 ug/l
 RT: 4.92 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 309603
 Ion Ratio Lower Upper
 43 100
 61 15.1 9.9 14.9#
 70 7.8 5.7 8.5





#38

Carbon Tetrachloride

Concen: 50.22 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

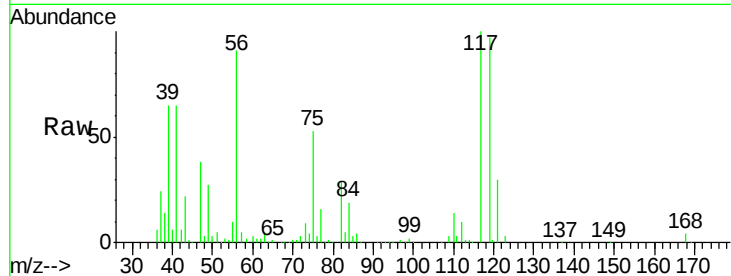
Tot Ion:117 Resp: 574191

Ion Ratio Lower Upper

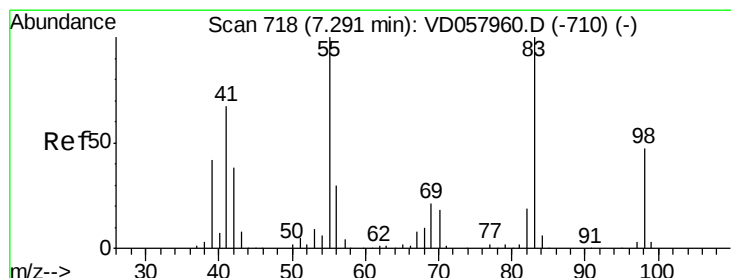
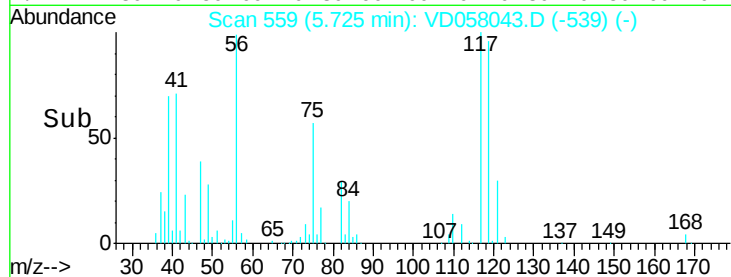
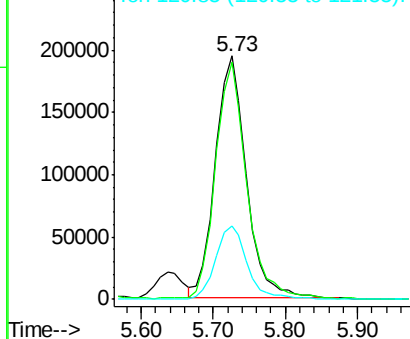
117 100

119 97.4 76.1 114.1

121 29.9 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 45.16 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

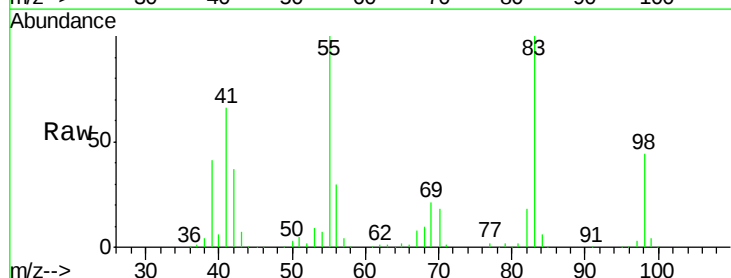
Tgt Ion: 83 Resp: 519453

Ion Ratio Lower Upper

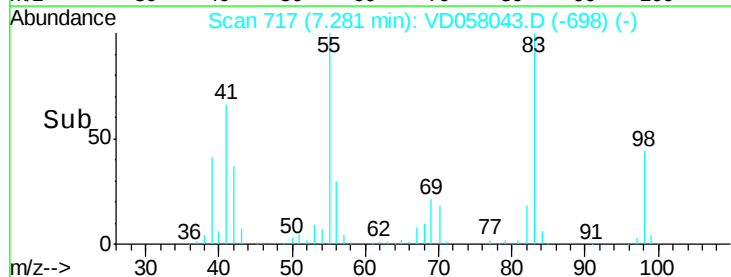
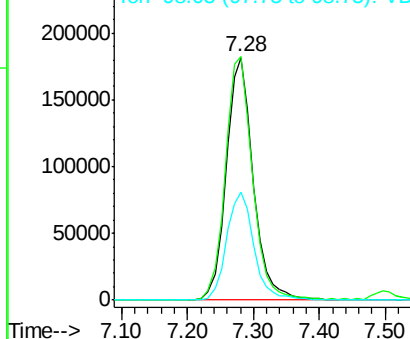
83 100

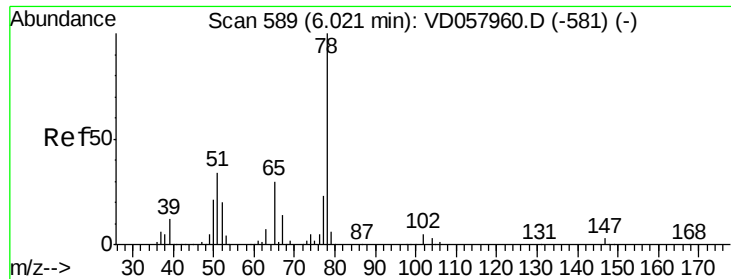
55 100.2 80.3 120.5

98 44.5 38.0 57.0



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: 51.60 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

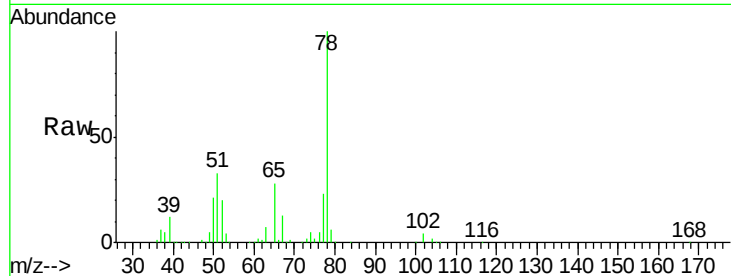
CAS1-SB-02-03-1-27MSD

Tot Ion: 78 Resp: 1398433

Ion Ratio Lower Upper

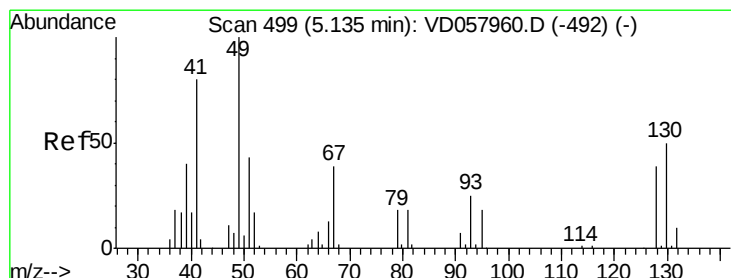
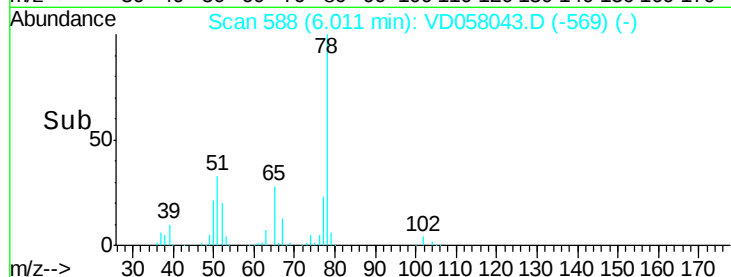
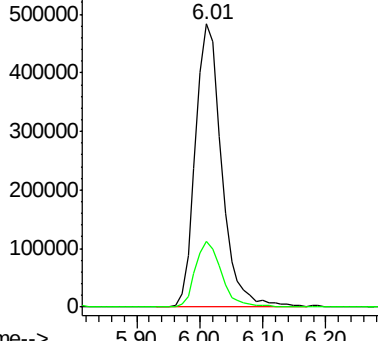
78 100

77 23.3 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 60.44 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Tgt Ion: 41 Resp: 174962

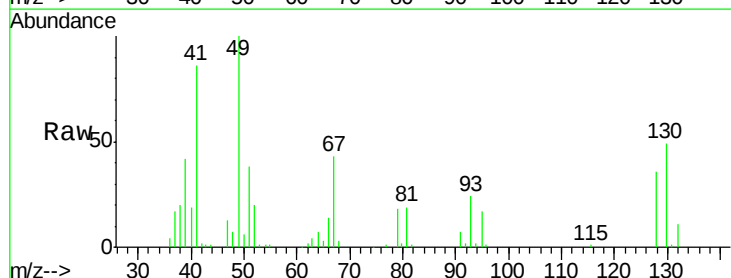
Ion Ratio Lower Upper

41 100

39 49.0 40.7 61.1

67 49.7 38.8 58.2

52 23.0 17.3 25.9

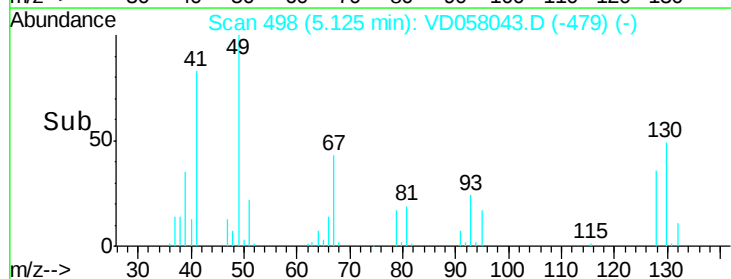
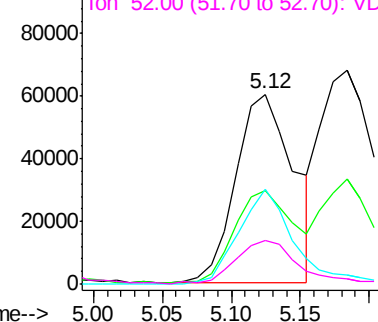


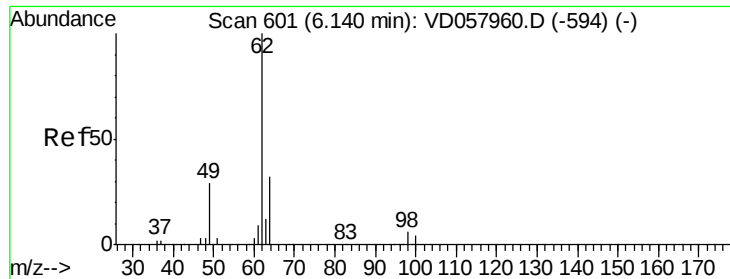
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#42

1,2-Dichloroethane

Concen: 51.91 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

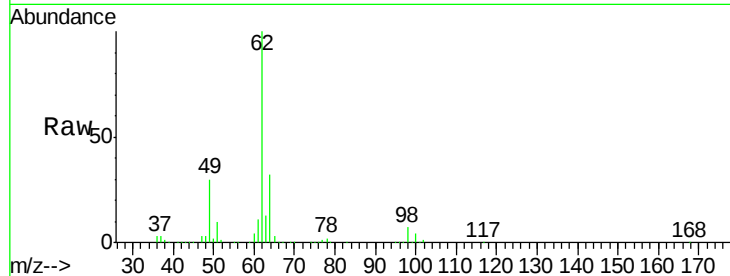
CAS1-SB-02-03-1-27MSD

Tot Ion: 62 Resp: 568831

Ion Ratio Lower Upper

62 100

98 6.9 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

250000

200000

150000

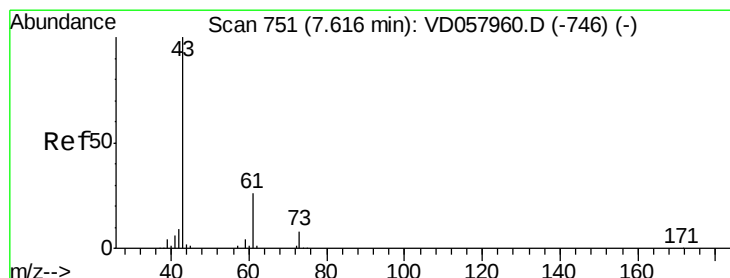
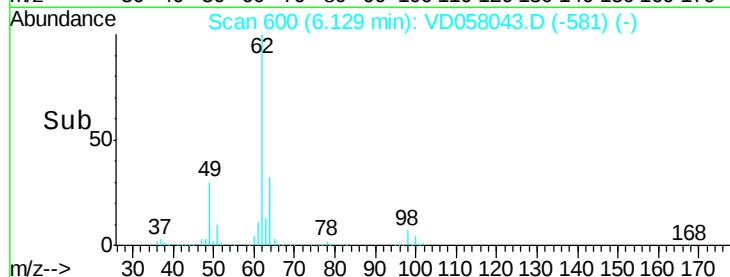
100000

50000

0

6.00 6.10 6.20 6.30

Time-->



#43

Isopropyl Acetate

Concen: 49.34 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

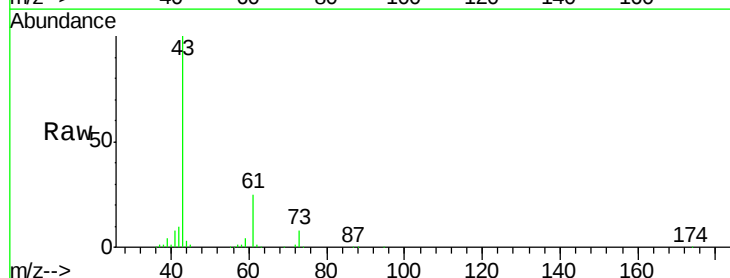
Tgt Ion: 43 Resp: 409129

Ion Ratio Lower Upper

43 100

61 25.4 20.6 30.8

87 0.4 0.2 0.4#



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

200000

150000

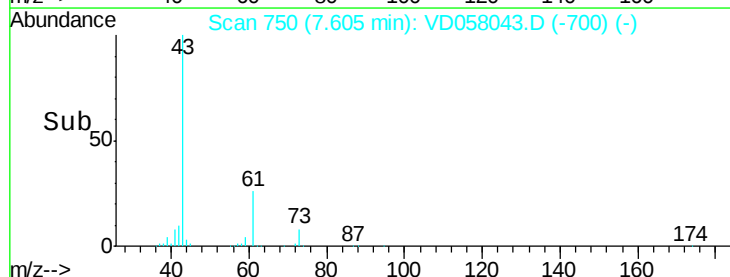
100000

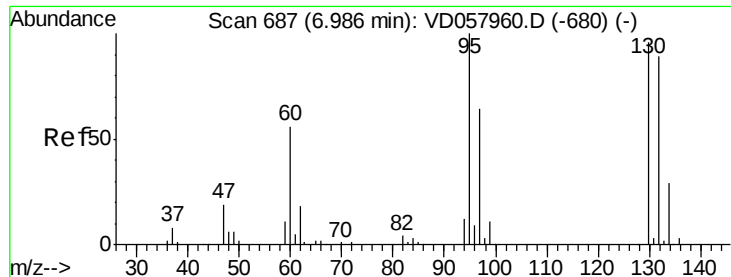
50000

0

7.50 7.60 7.70 7.80

Time-->





#44

Trichloroethene

Concen: 49.24 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

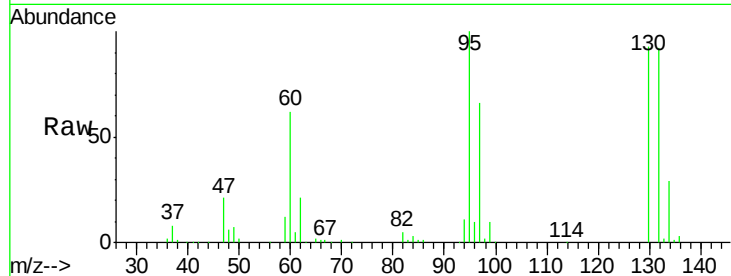
CAS1-SB-02-03-1-27MSD

Tot Ion:130 Resp: 389788

Ion Ratio Lower Upper

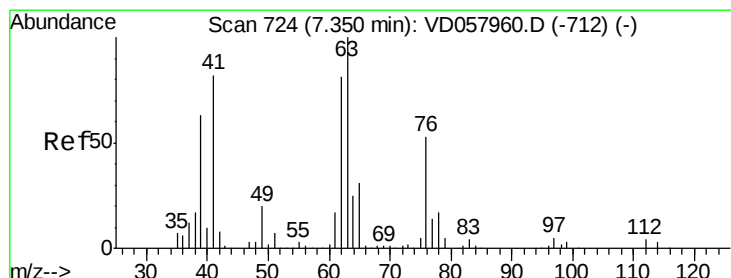
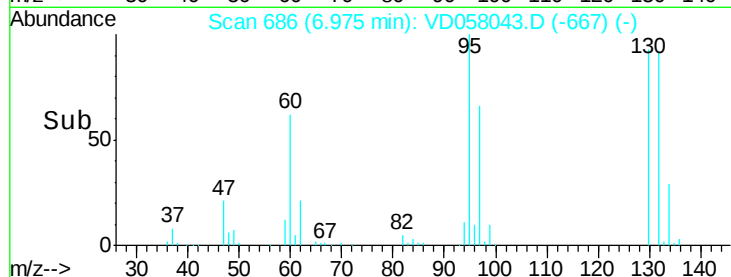
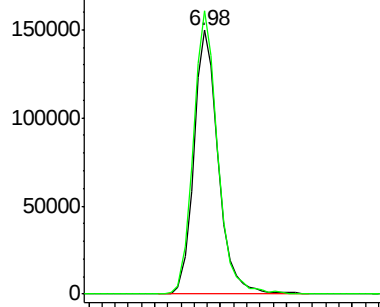
130 100

95 107.4 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 53.91 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058043.D

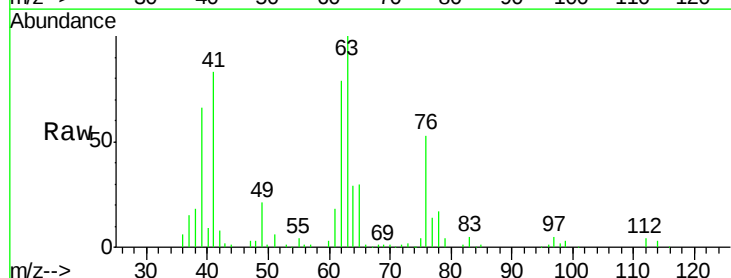
Acq: 9 Jun 2018 4:58

Tgt Ion: 63 Resp: 406081

Ion Ratio Lower Upper

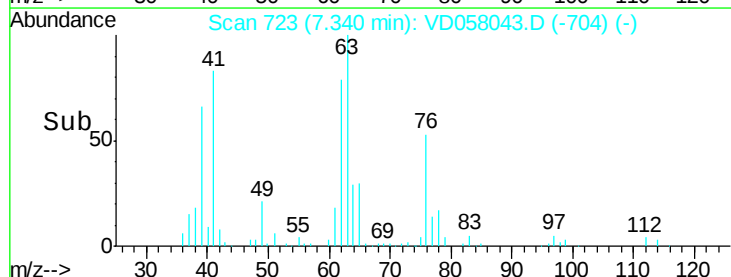
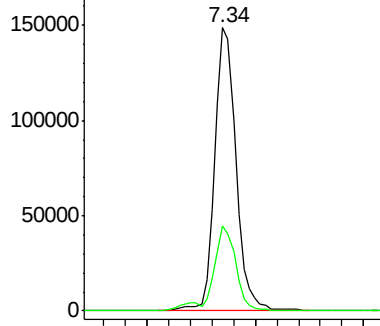
63 100

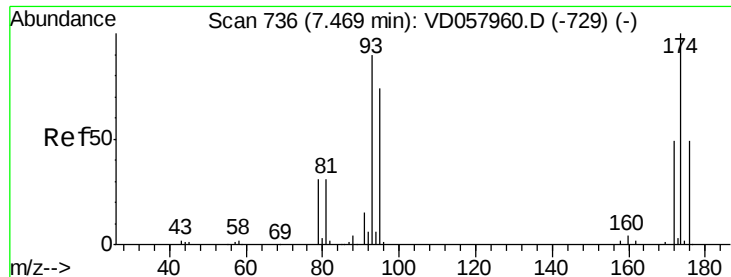
65 30.0 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#46

Dibromomethane

Concen: 50.38 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

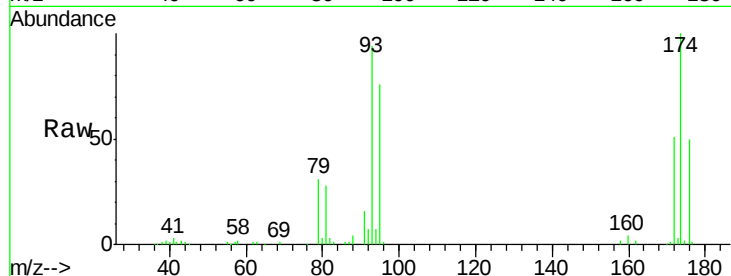
Tot Ion: 93 Resp: 243814

Ion Ratio Lower Upper

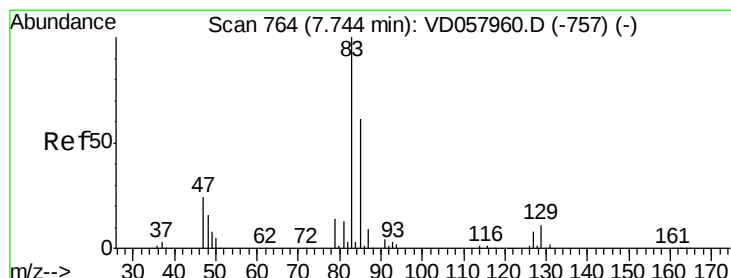
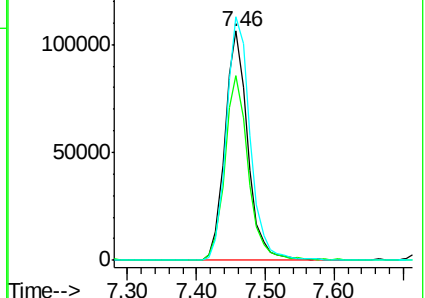
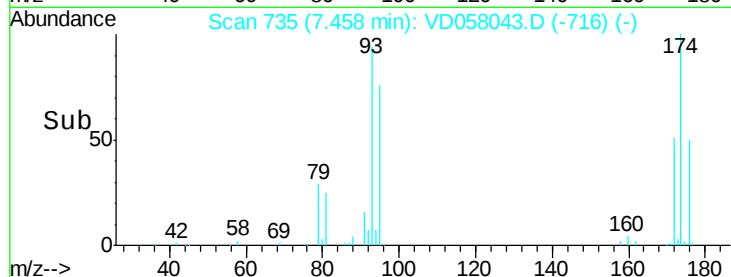
93 100

95 80.8 65.7 98.5

174 106.2 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V



#47

Bromodichloromethane

Concen: 55.28 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

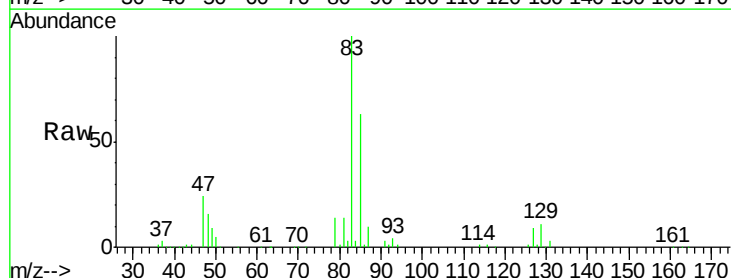
Tgt Ion: 83 Resp: 626348

Ion Ratio Lower Upper

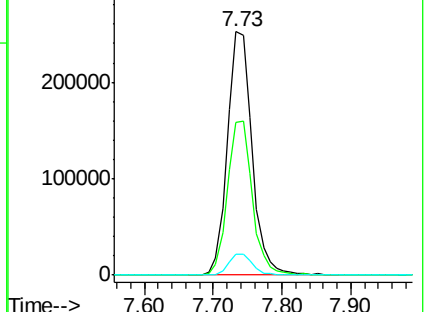
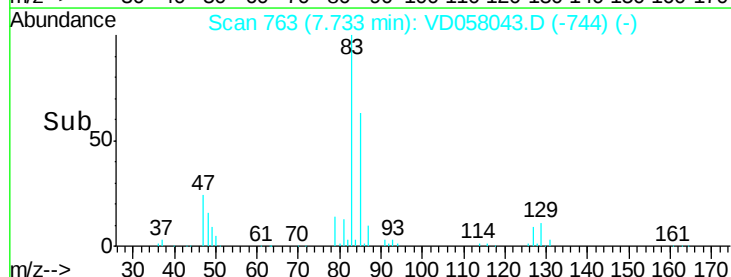
83 100

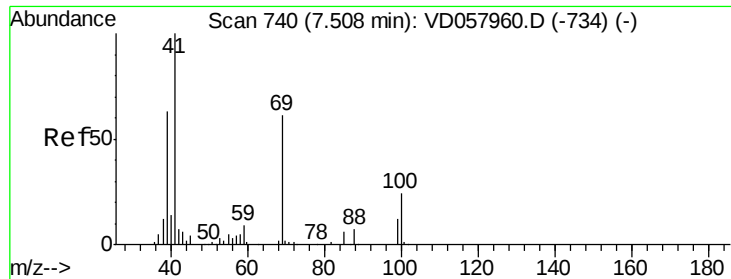
85 62.9 49.1 73.7

127 8.7 6.2 9.2



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): V

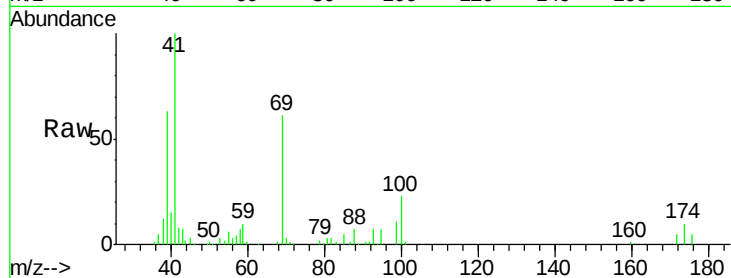




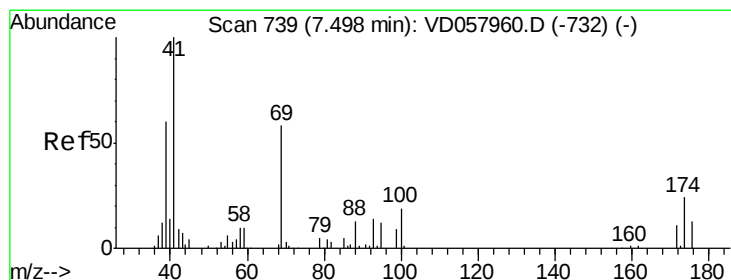
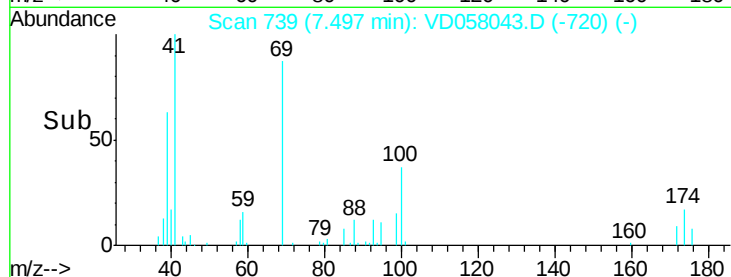
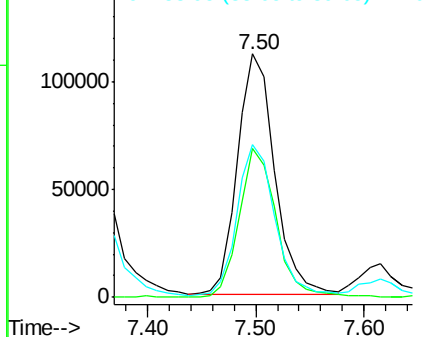
#48
Methyl methacrylate
Concen: 51.98 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion: 41 Resp: 265276
Ion Ratio Lower Upper
41 100
69 61.3 48.0 72.0
39 62.6 50.7 76.1

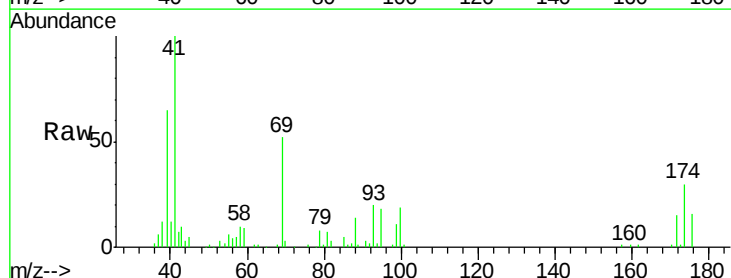


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

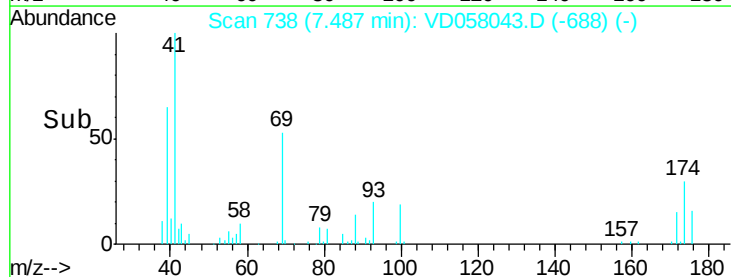
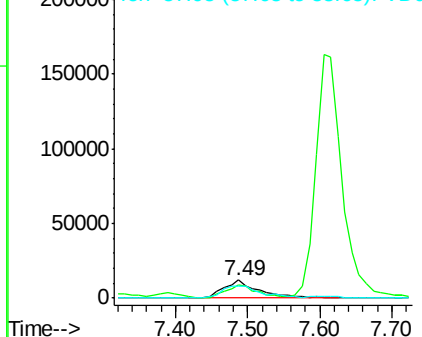


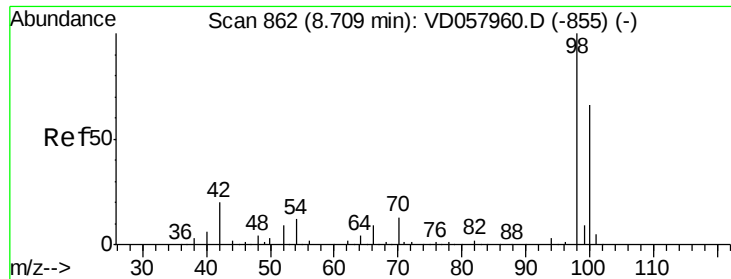
#49
1,4-Dioxane
Concen: 970.99 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 88 Resp: 41055
Ion Ratio Lower Upper
88 100
43 70.8 46.6 69.8#
58 67.7 63.6 95.4



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

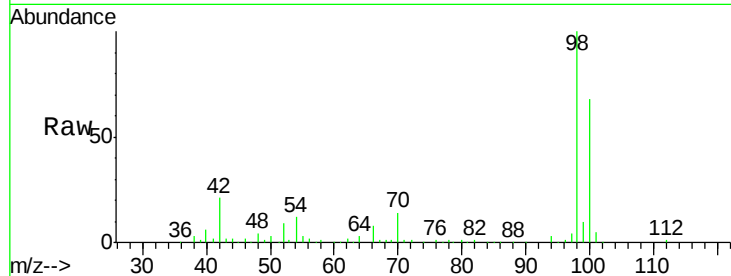




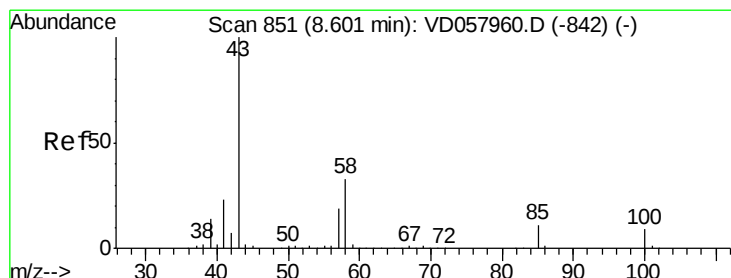
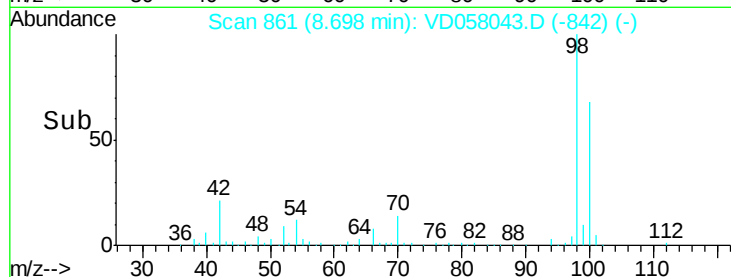
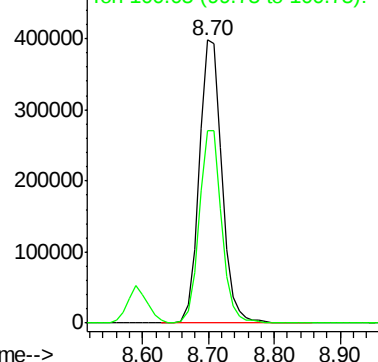
#50
Toluene-d8
Concen: 970.99 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion: 98 Resp: 962379
Ion Ratio Lower Upper
98 100
100 67.9 53.4 80.0

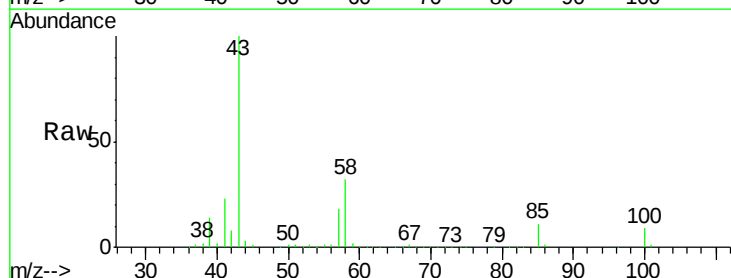


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

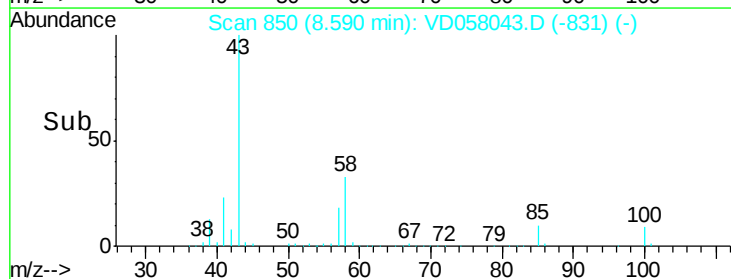
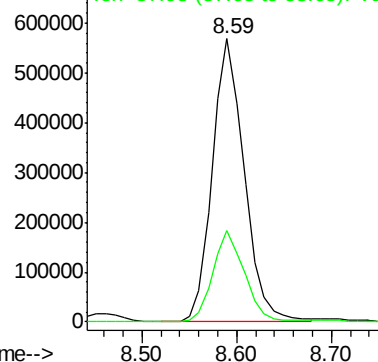


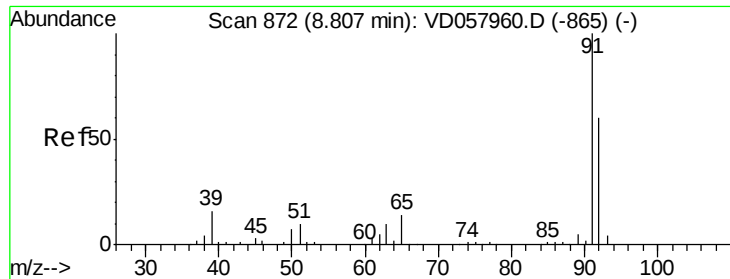
#51
4-Methyl-2-Pentanone
Concen: 249.03 ug/l
RT: 8.59 min Scan# 850
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 1324540
Ion Ratio Lower Upper
43 100
58 32.4 26.2 39.4



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





#52

Toluene

Concen: 50.46 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

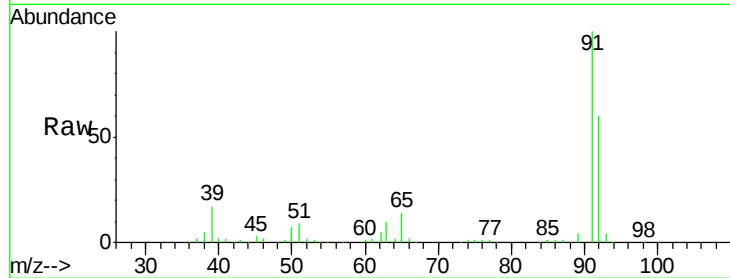
CAS1-SB-02-03-1-27MSD

Tot Ion: 92 Resp: 784961

Ion Ratio Lower Upper

92 100

91 165.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

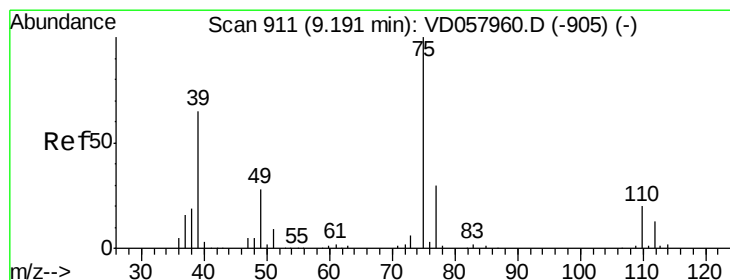
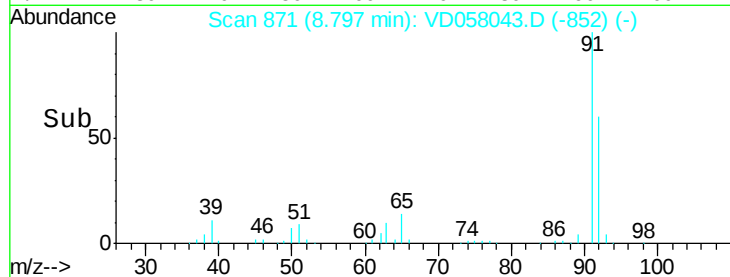
200000

0

8.80

8.70 8.80 8.90 9.00

Time-->



#53

t-1,3-Dichloropropene

Concen: 47.10 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058043.D

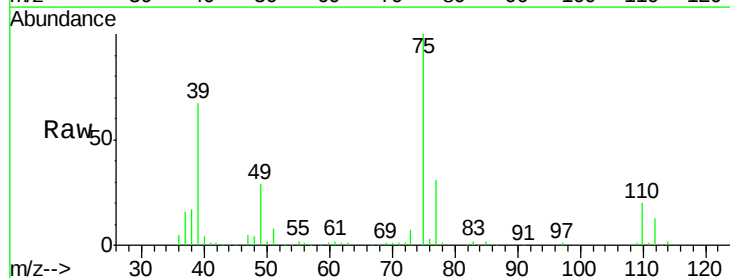
Acq: 9 Jun 2018 4:58

Tgt Ion: 75 Resp: 459775

Ion Ratio Lower Upper

75 100

77 30.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

100000

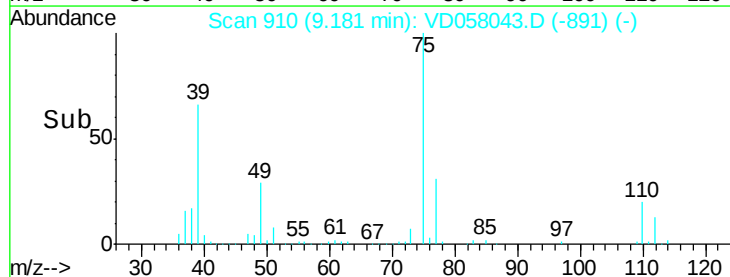
50000

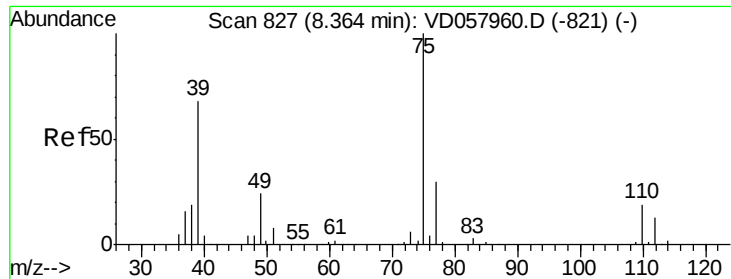
0

9.18

9.10 9.20 9.30

Time-->





#54

cis-1,3-Dichloropropene

Concen: 49.28 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

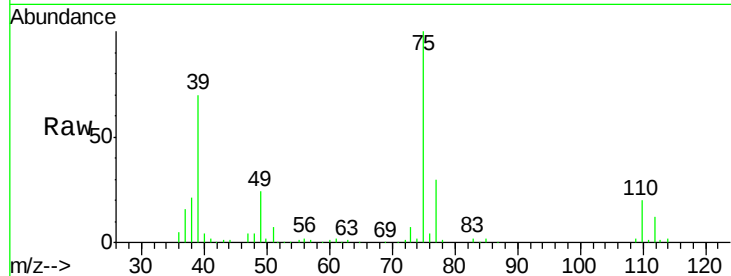
Tot Ion: 75 Resp: 566745

Ion Ratio Lower Upper

75 100

77 30.3 24.1 36.1

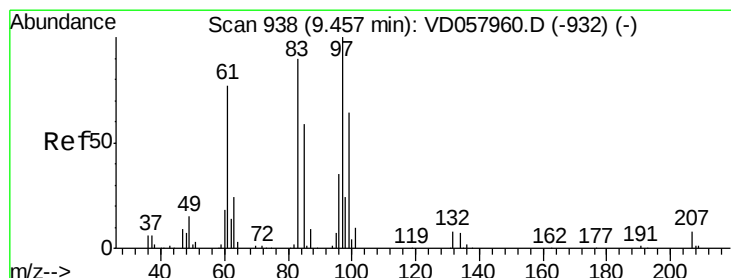
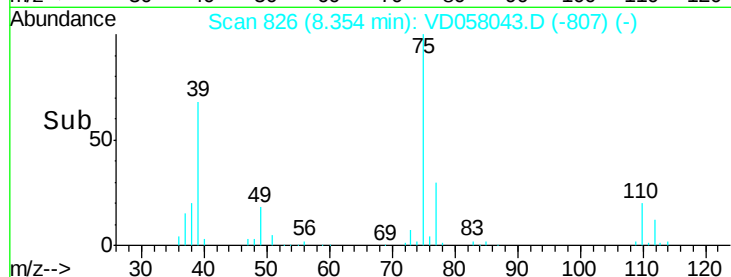
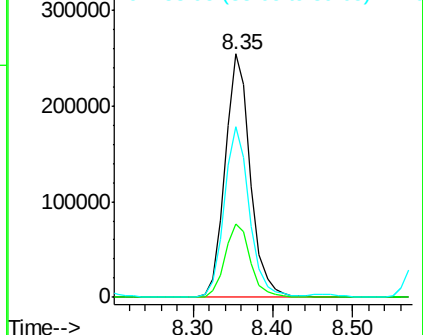
39 70.2 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#55

1,1,2-Trichloroethane

Concen: 53.83 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Tgt Ion: 97 Resp: 270975

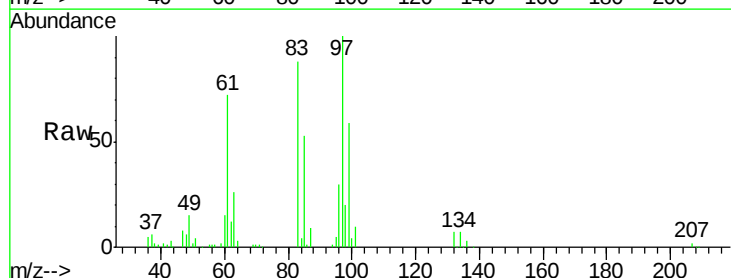
Ion Ratio Lower Upper

97 100

83 88.3 71.8 107.8

85 52.8 47.2 70.8

99 58.9 51.4 77.0

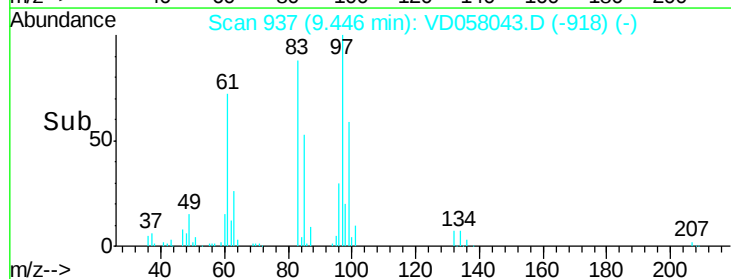
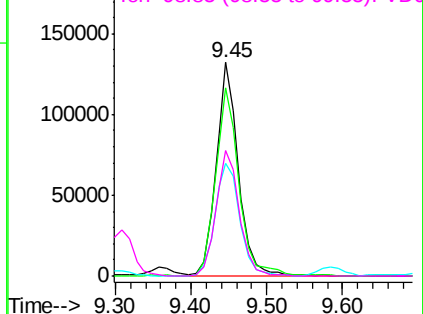


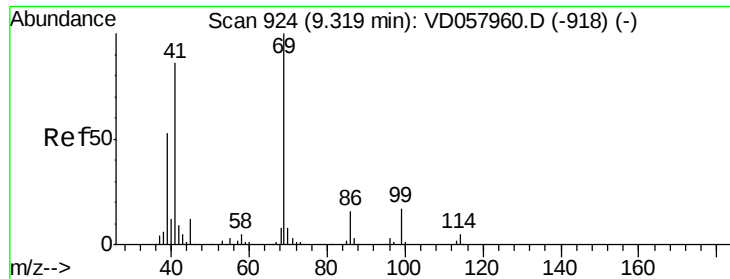
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 52.52 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

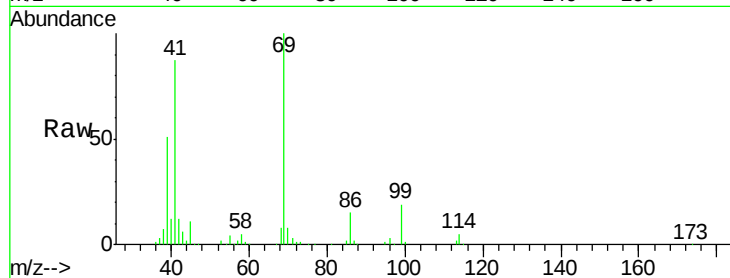
Tot Ion: 69 Resp: 324315

Ion Ratio Lower Upper

69 100

41 86.9 68.4 102.6

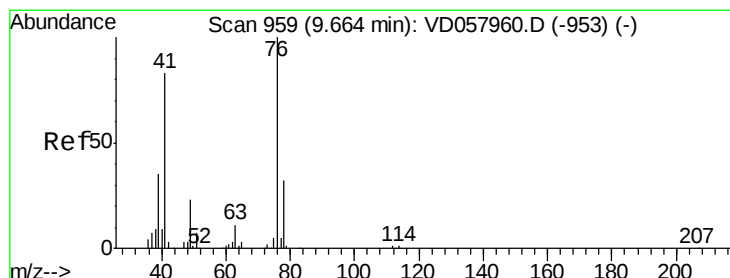
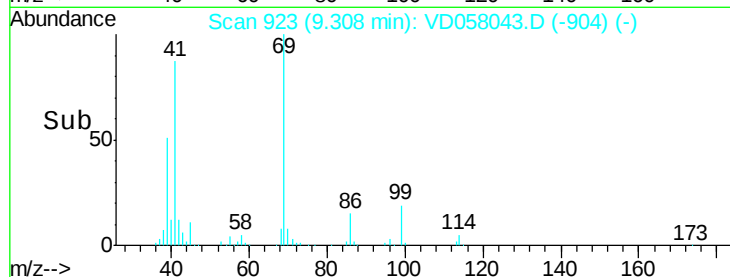
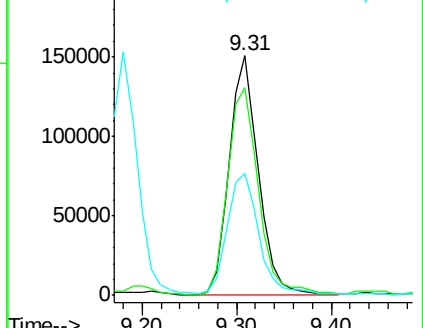
39 50.9 43.0 64.4



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 52.68 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058043.D

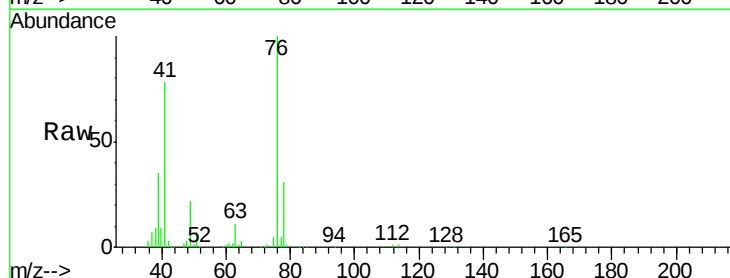
Acq: 9 Jun 2018 4:58

Tgt Ion: 76 Resp: 465170

Ion Ratio Lower Upper

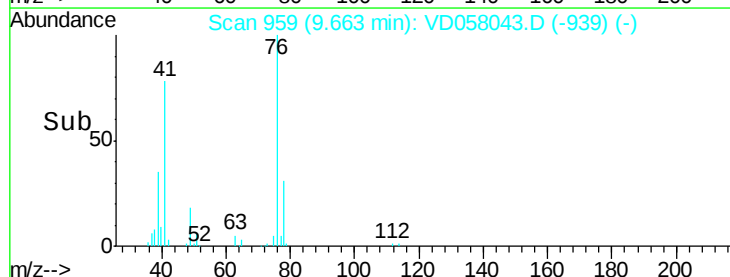
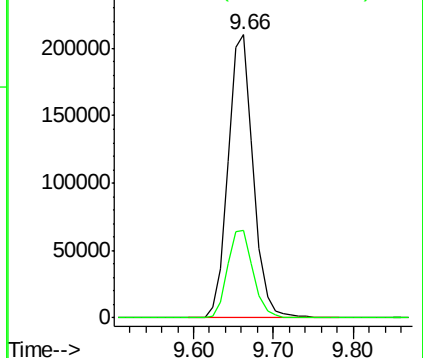
76 100

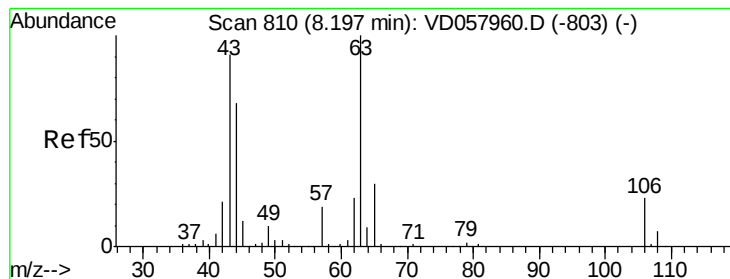
78 30.8 25.4 38.2



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: 256.87 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

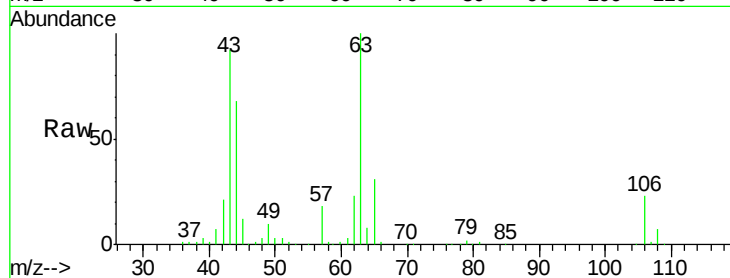
CAS1-SB-02-03-1-27MSD

Tot Ion: 63 Resp: 801405

Ion Ratio Lower Upper

63 100

106 23.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.19

400000

300000

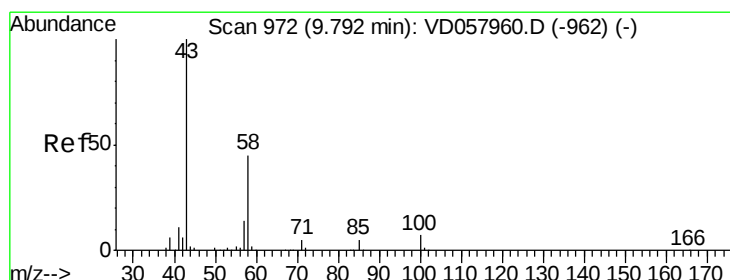
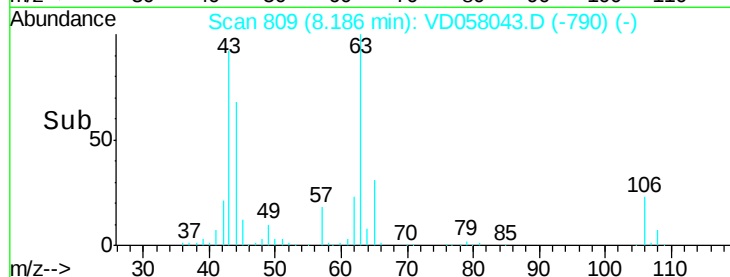
200000

100000

0

8.10 8.20 8.30

Time-->



#59

2-Hexanone

Concen: 244.27 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058043.D

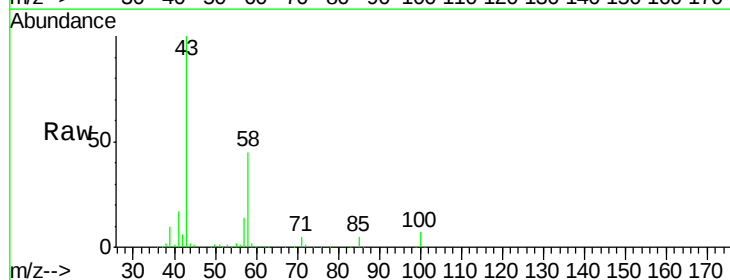
Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 952102

Ion Ratio Lower Upper

43 100

58 44.6 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

500000

400000

300000

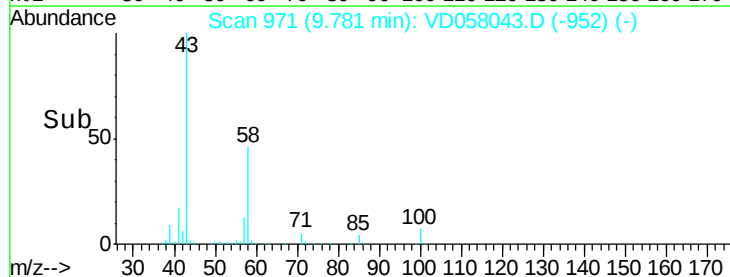
200000

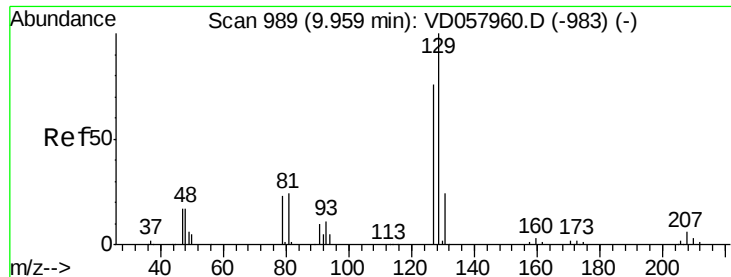
100000

0

9.70 9.80 9.90

Time-->





#60

Dibromochloromethane

Concen: 54.61 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

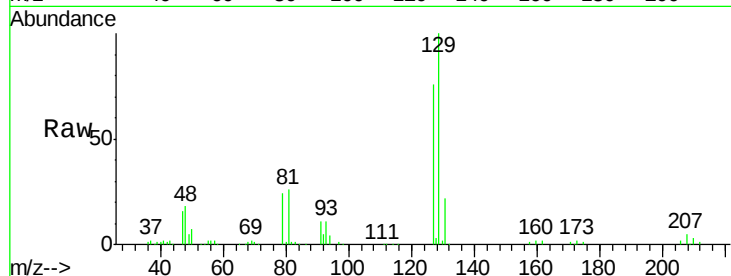
CAS1-SB-02-03-1-27MSD

Tot Ion:129 Resp: 387675

Ion Ratio Lower Upper

129 100

127 75.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

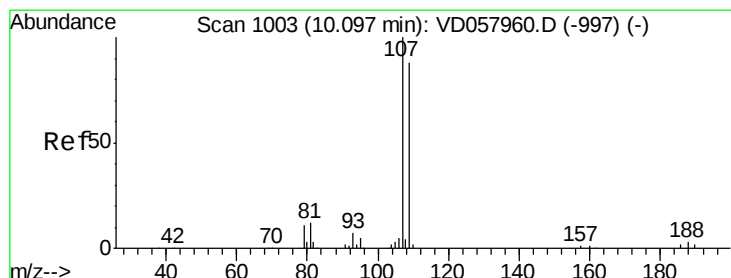
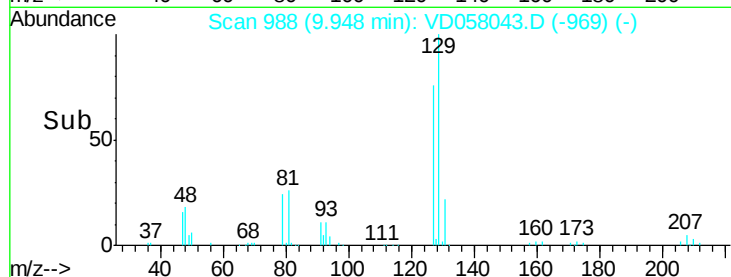
150000

100000

50000

0

Time--> 9.80 9.90 10.00 10.10



#61

1,2-Dibromoethane

Concen: 50.26 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058043.D

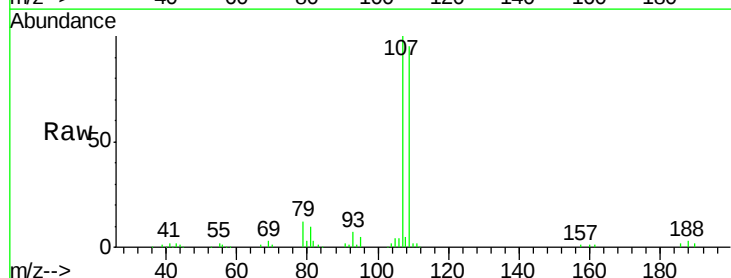
Acq: 9 Jun 2018 4:58

Tgt Ion:107 Resp: 290991

Ion Ratio Lower Upper

107 100

109 95.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

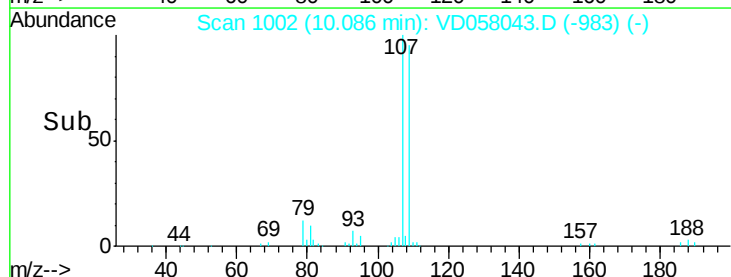
150000

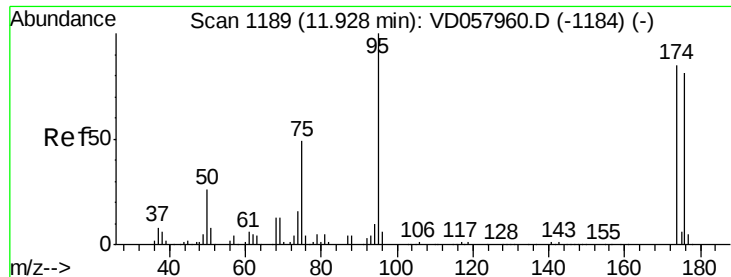
100000

50000

0

Time--> 10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 50.26 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

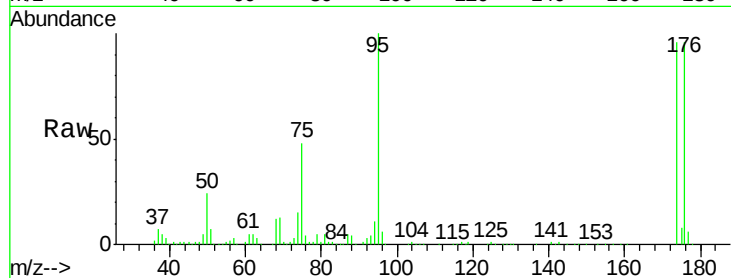
Tot Ion: 95 Resp: 407489

Ion Ratio Lower Upper

95 100

174 95.6 0.0 169.4

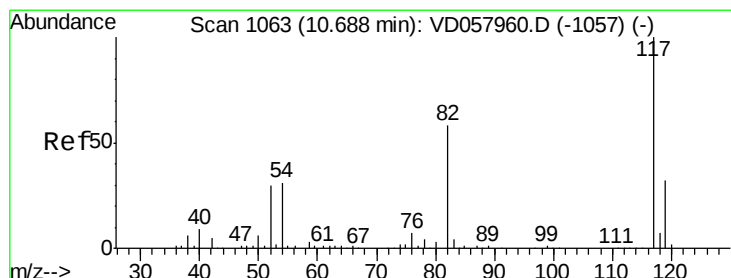
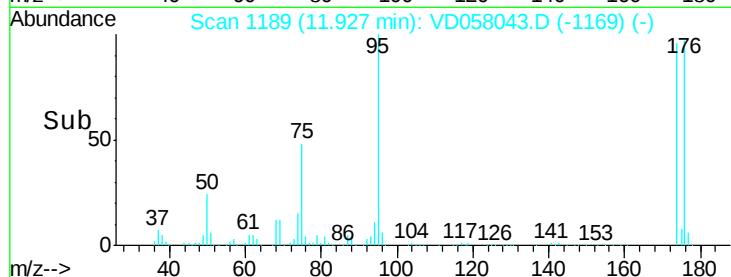
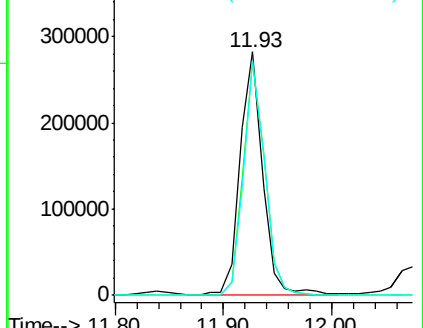
176 96.3 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

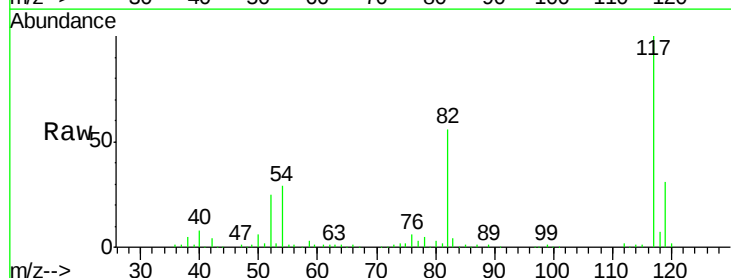
Tgt Ion: 117 Resp: 826915

Ion Ratio Lower Upper

117 100

82 56.3 46.8 70.2

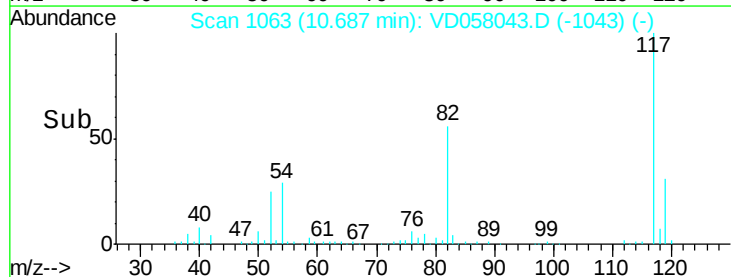
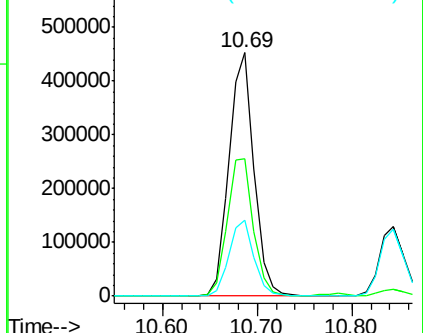
119 31.3 25.8 38.6

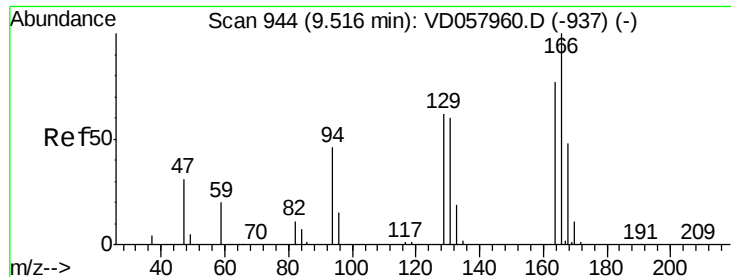


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

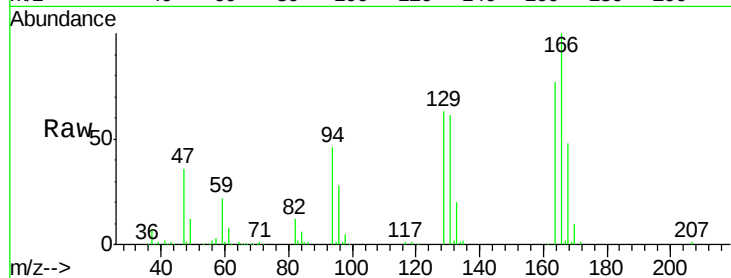




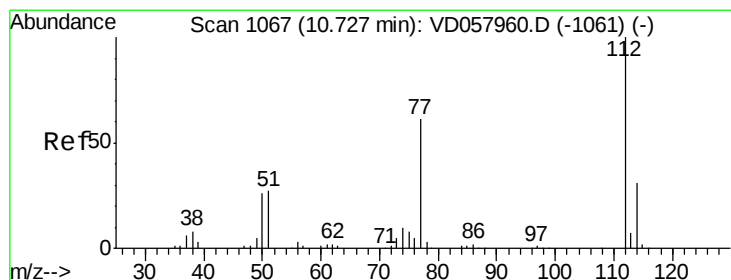
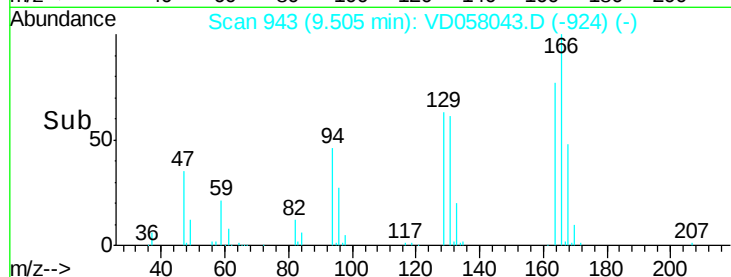
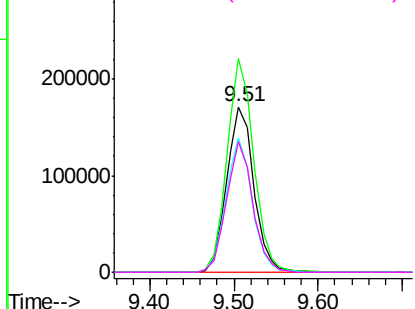
#64
Tetrachloroethene
Concen: 51.74 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion:164 Resp: 382466
Ion Ratio Lower Upper
164 100
166 129.1 104.4 156.6
129 81.4 65.0 97.6
131 78.7 62.9 94.3

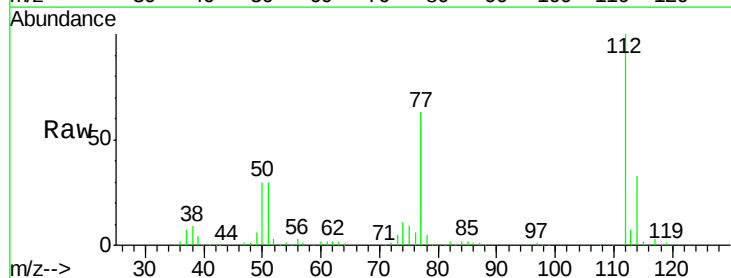


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

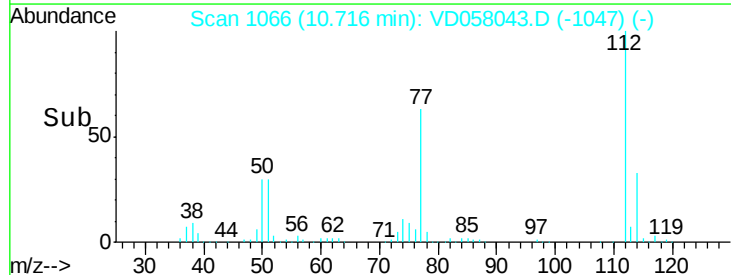
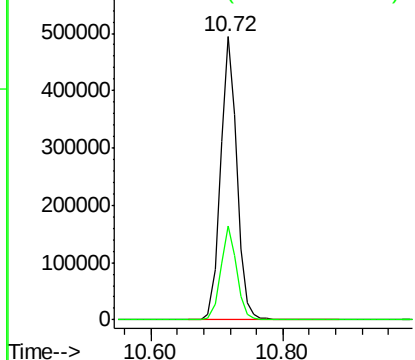


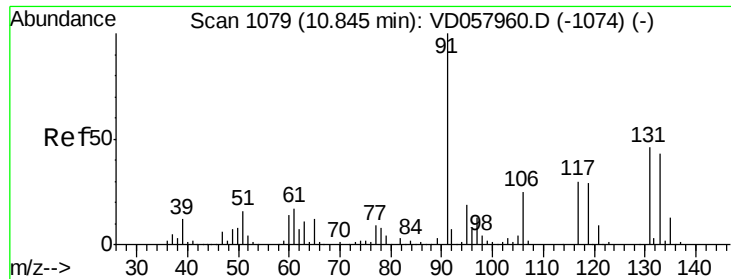
#65
Chlorobenzene
Concen: 50.98 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:112 Resp: 853500
Ion Ratio Lower Upper
112 100
114 33.2 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

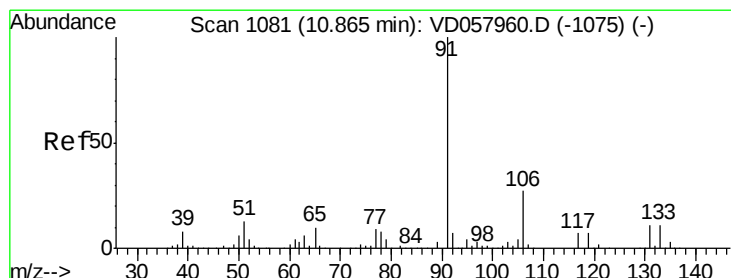
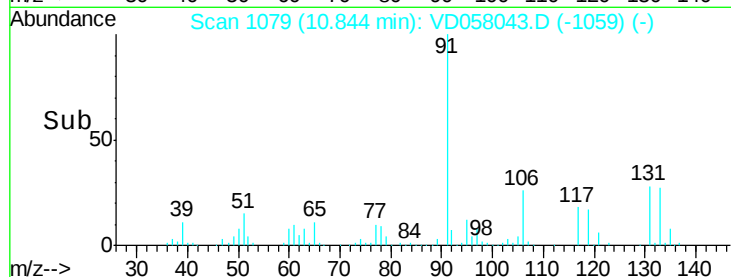
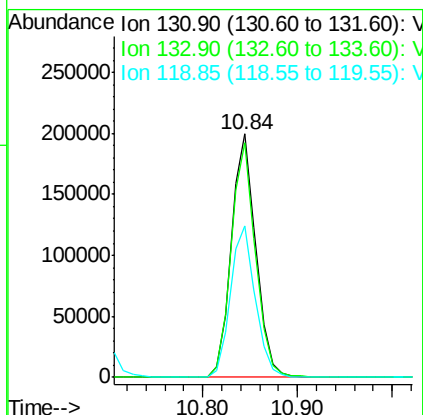
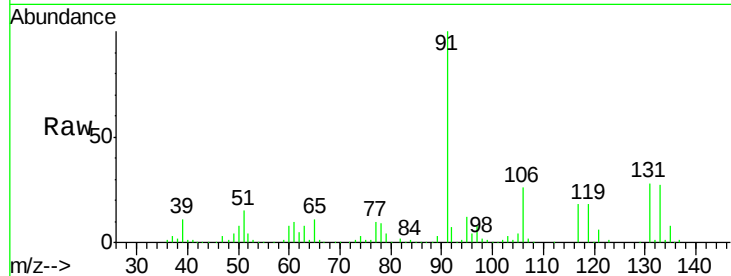




#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.26 ug/l
 RT: 10.84 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

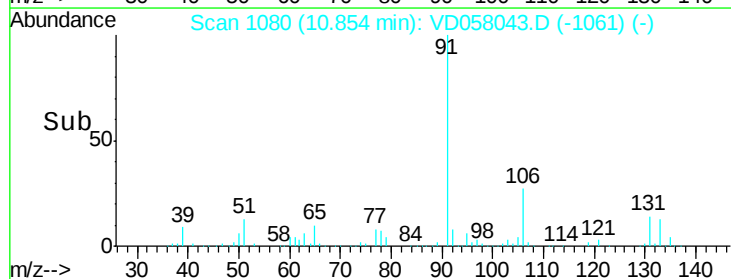
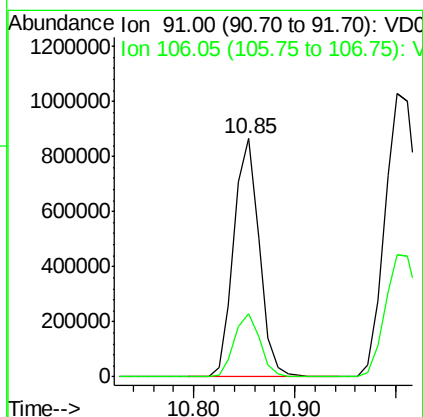
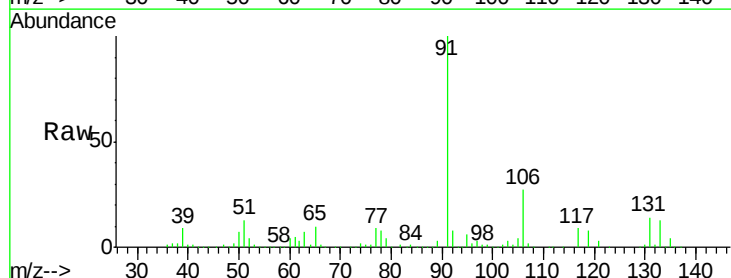
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

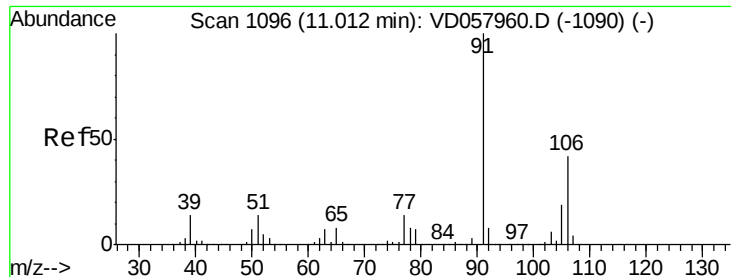
Tot Ion:131 Resp: 355436
 Ion Ratio Lower Upper
 131 100
 133 96.3 46.9 140.6
 119 62.3 31.8 95.3



#67
 Ethyl Benzene
 Concen: 50.21 ug/l
 RT: 10.85 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 91 Resp: 1518587
 Ion Ratio Lower Upper
 91 100
 106 26.7 21.5 32.3

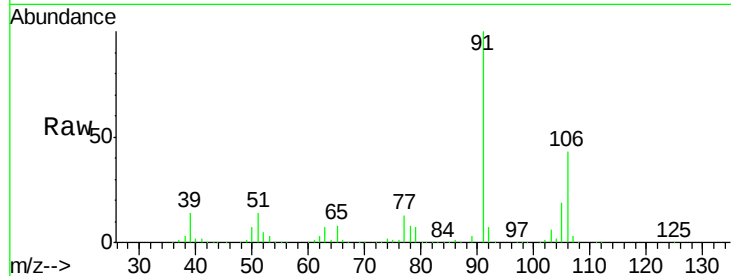




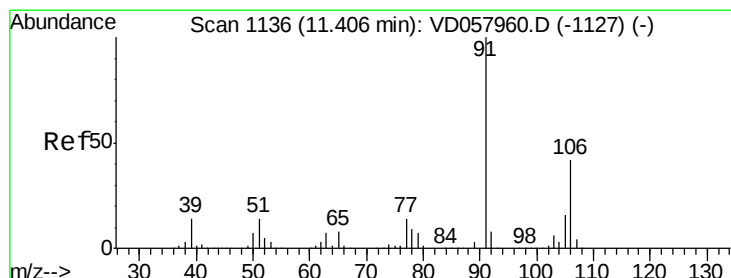
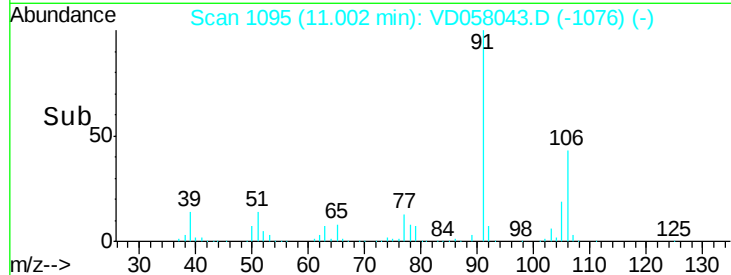
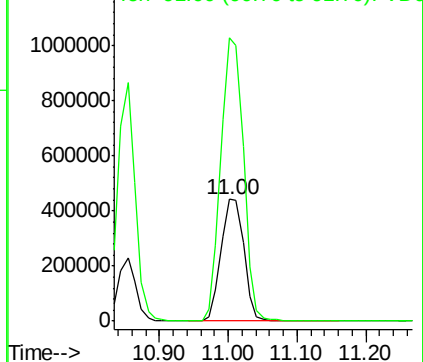
#68
m/p-Xvlenes
Concen: 103.04 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion:106 Resp: 1015948
Ion Ratio Lower Upper
106 100
91 232.7 190.4 285.6

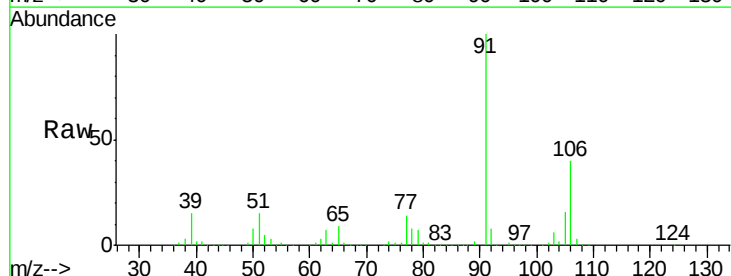


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

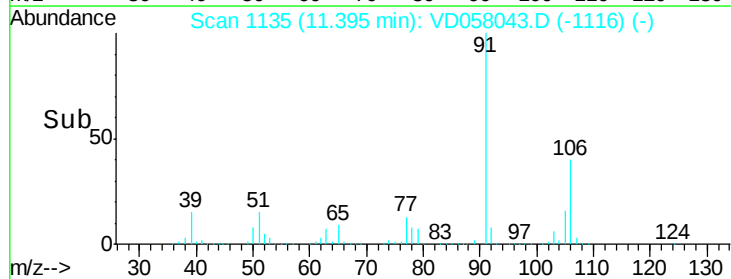
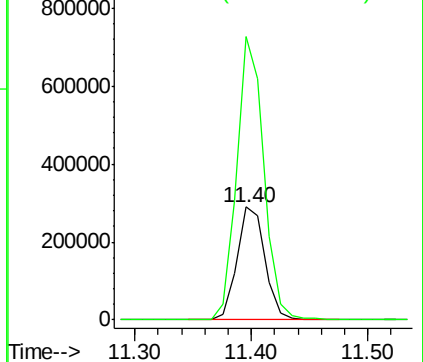


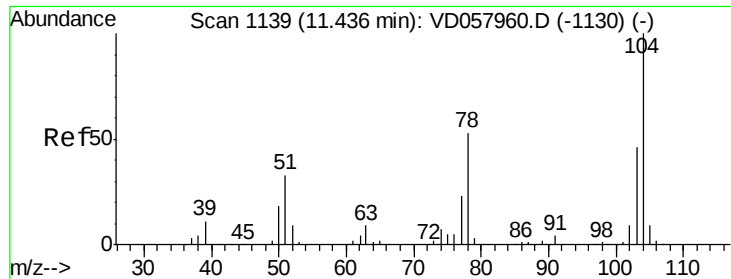
#69
o-Xylene
Concen: 49.44 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:106 Resp: 483806
Ion Ratio Lower Upper
106 100
91 250.3 120.6 361.7



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

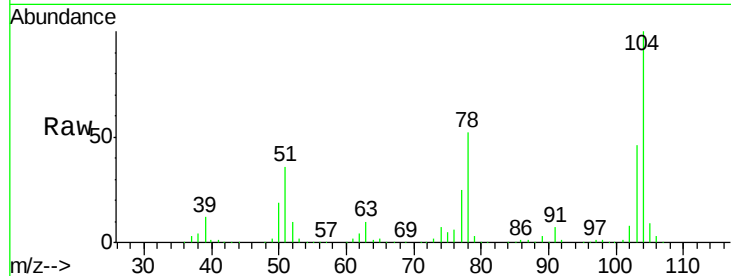




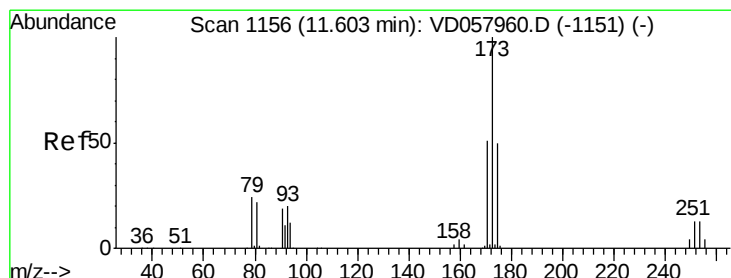
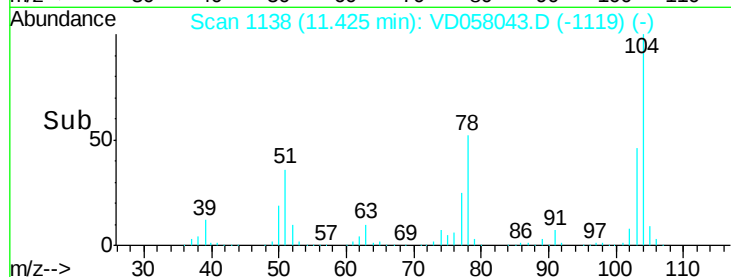
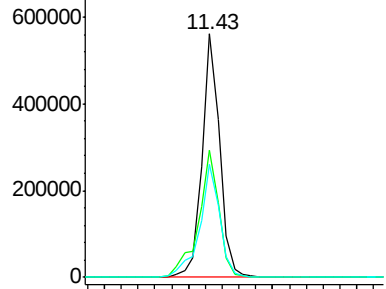
#70
Stvrene
Concen: 50.31 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

Tot Ion:104 Resp: 815104
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 46.5 37.0 55.6

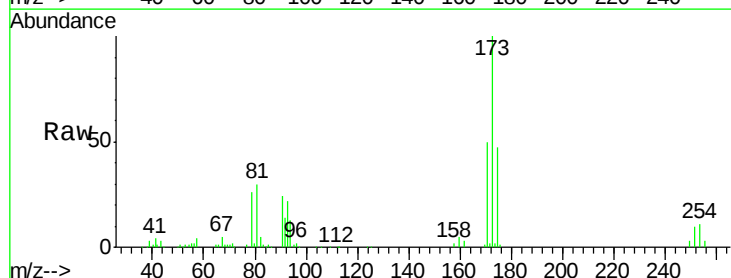


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

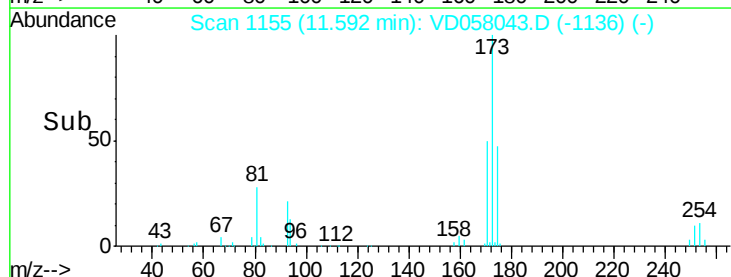
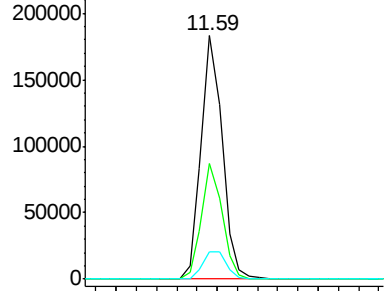


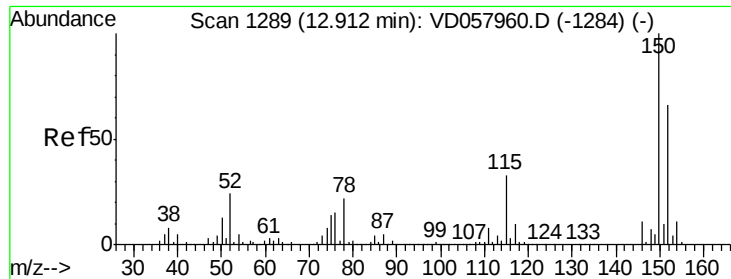
#71
Bromoform
Concen: 55.37 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:173 Resp: 267882
Ion Ratio Lower Upper
173 100
175 47.4 25.1 75.2
254 11.3 10.7 16.1



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# 1288

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

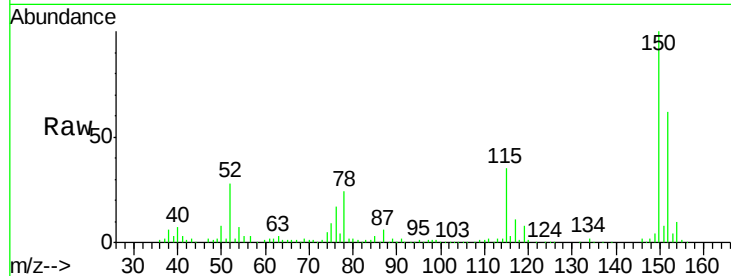
Tot Ion:152 Resp: 378830

Ion Ratio Lower Upper

152 100

115 55.9 25.6 76.6

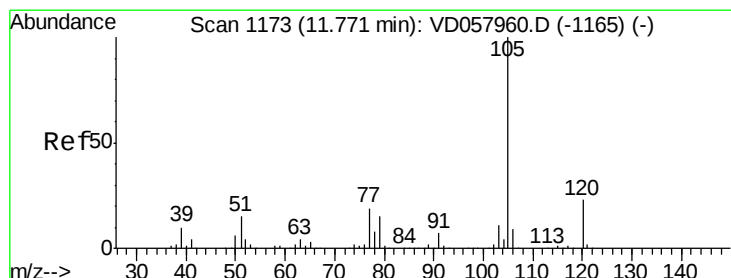
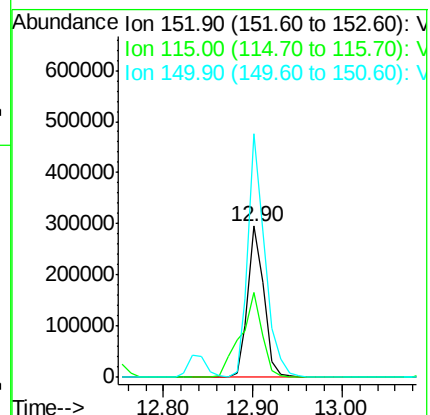
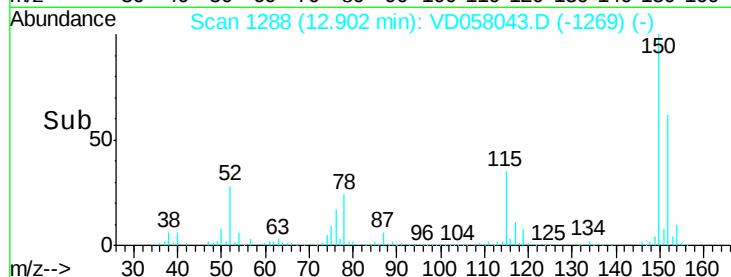
150 161.2 0.0 306.8



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: 56.87 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058043.D

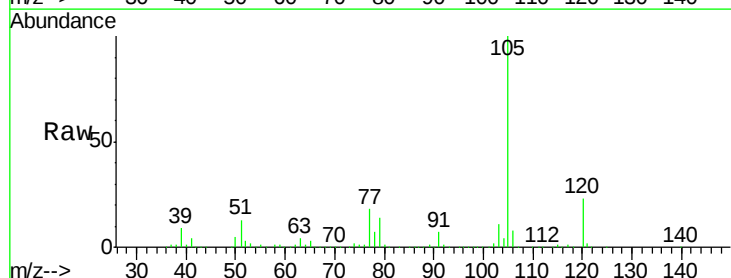
Acq: 9 Jun 2018 4:58

Tgt Ion:105 Resp: 1427007

Ion Ratio Lower Upper

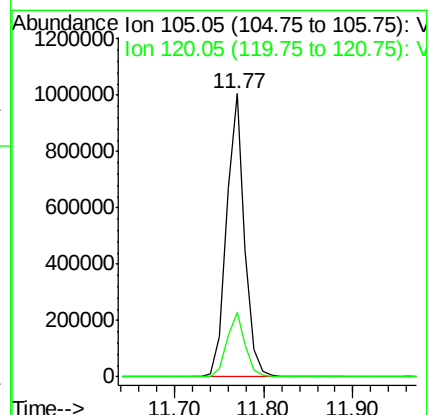
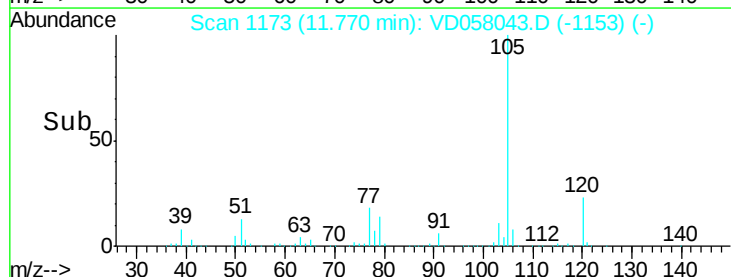
105 100

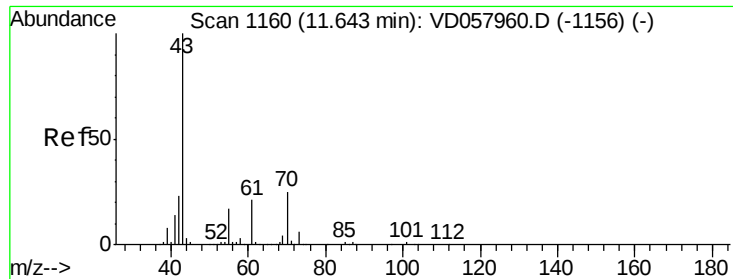
120 23.0 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 52.66 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

Tot Ion: 43 Resp: 509883

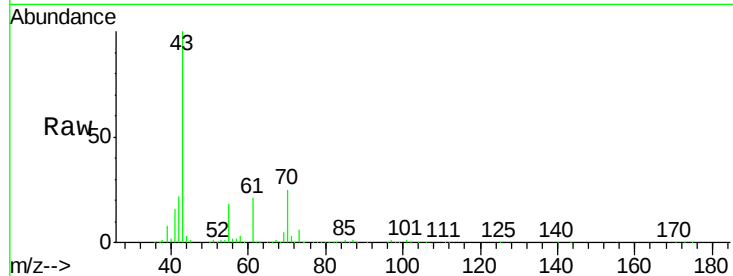
Ion Ratio Lower Upper

43 100

70 25.5 20.3 30.5

55 18.1 13.9 20.9

61 21.1 16.6 24.8

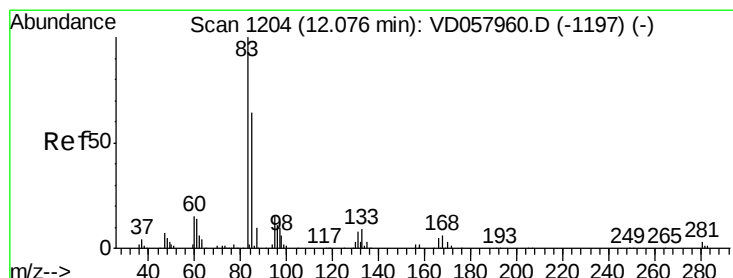
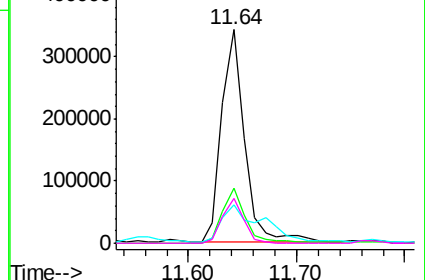
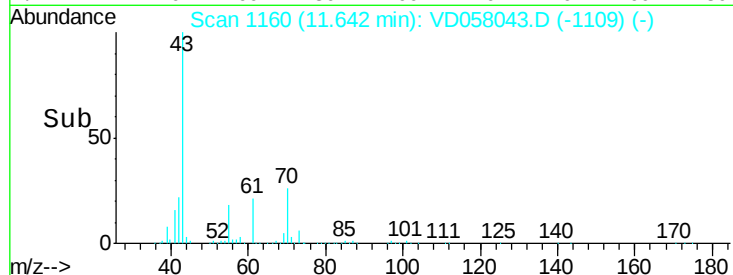


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 59.78 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

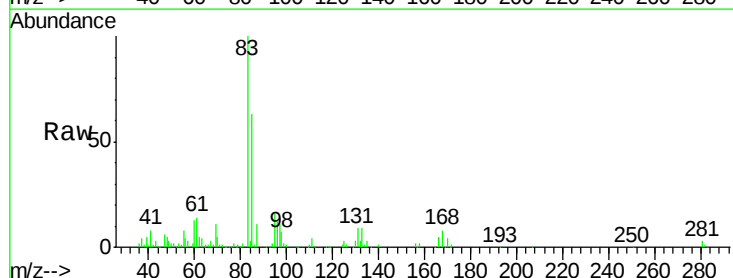
Tgt Ion: 83 Resp: 327018

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.6

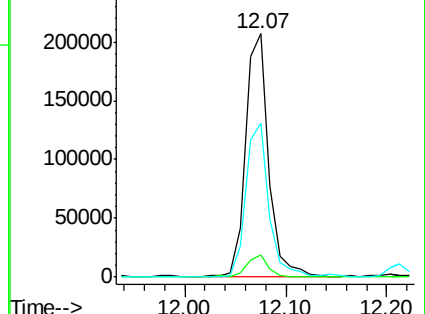
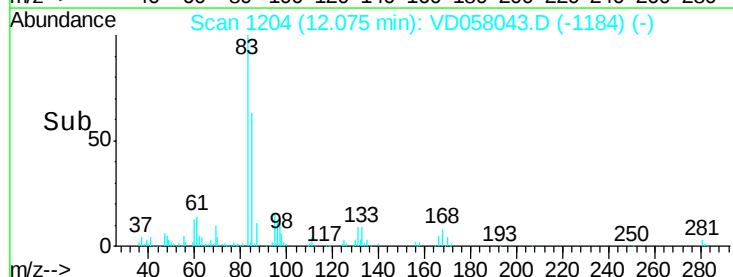
85 63.3 31.9 95.5

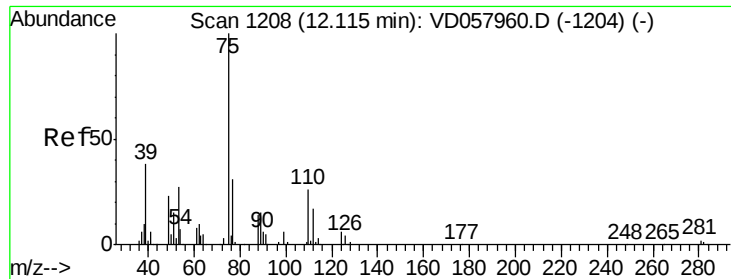


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

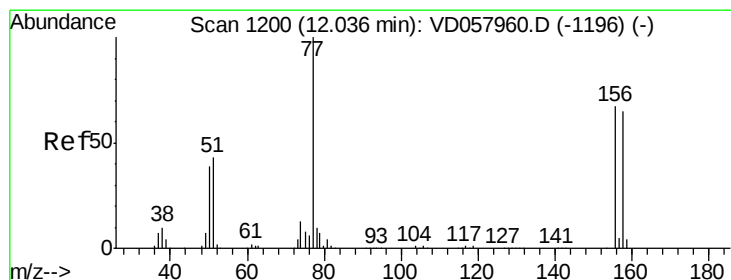
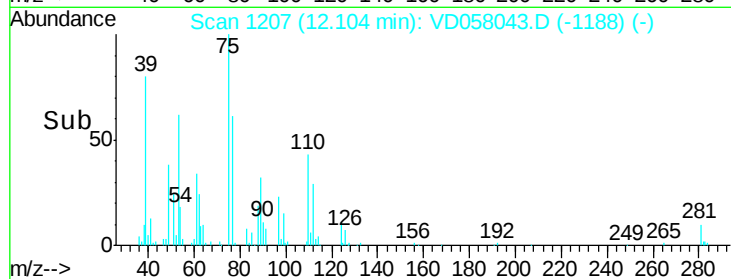
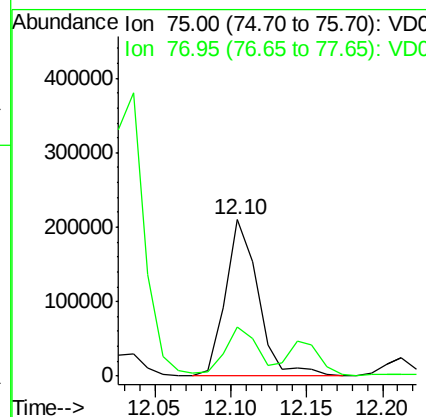
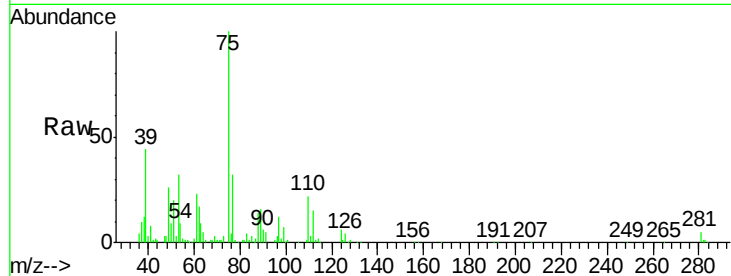




#76
 1,2,3-Trichloropropane
 Concen: 55.62 ug/l
 RT: 12.10 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

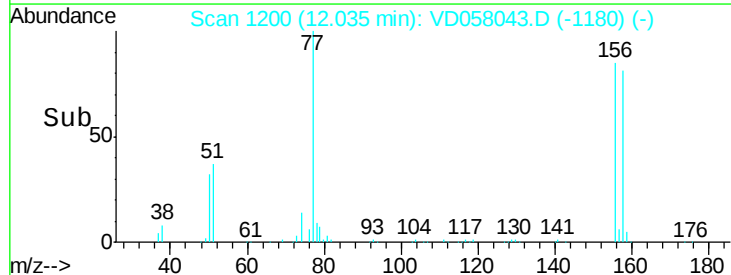
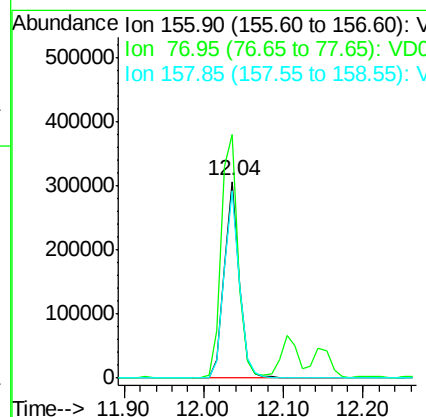
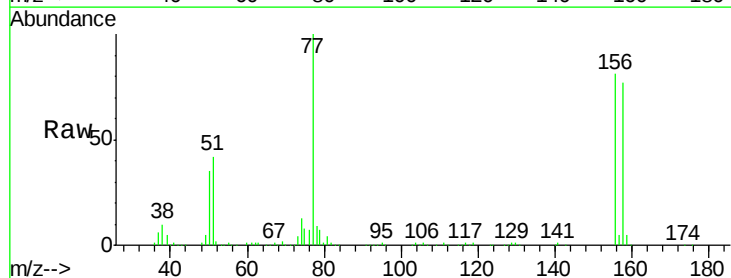
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

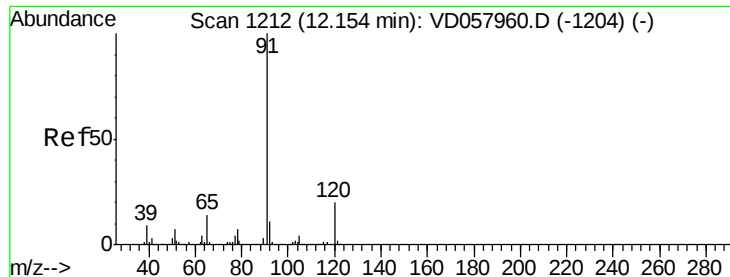
Tot Ion: 75 Resp: 316494
 Ion Ratio Lower Upper
 75 100
 77 31.8 16.7 50.1



#77
 Bromobenzene
 Concen: 55.43 ug/l
 RT: 12.04 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 156 Resp: 411665
 Ion Ratio Lower Upper
 156 100
 77 124.0 75.0 224.8
 158 95.6 48.6 145.9





#78

n-propylbenzene

Concen: 52.19 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

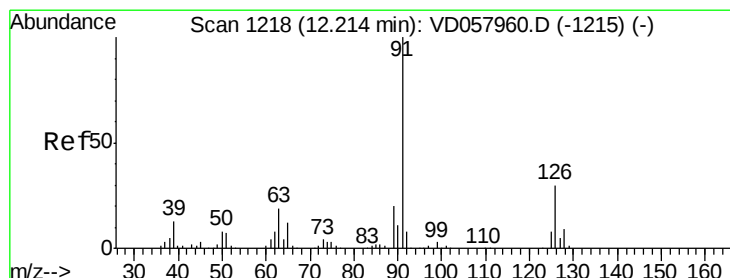
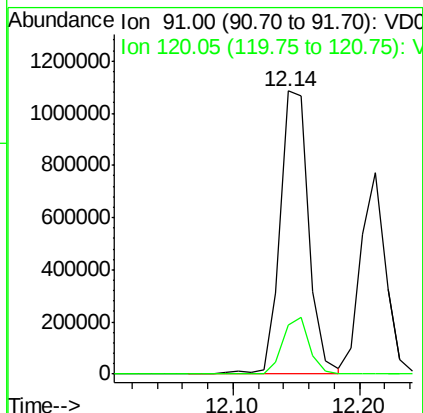
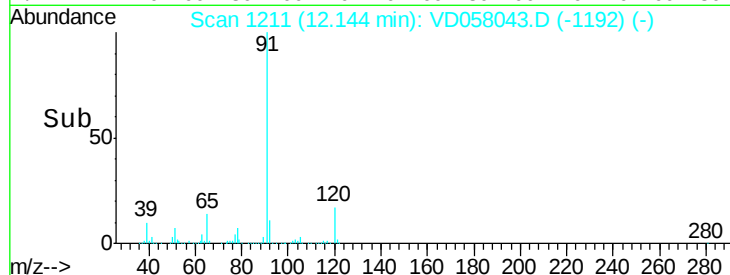
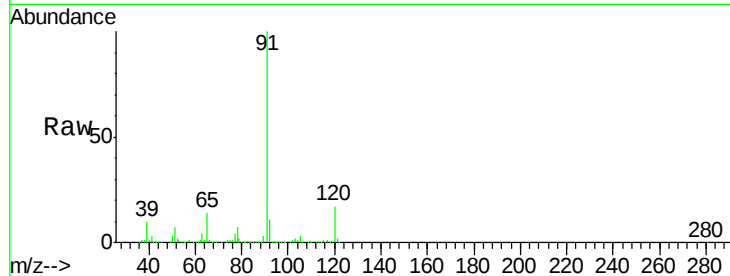
CAS1-SB-02-03-1-27MSD

Tot Ion: 91 Resp: 1704202

Ion Ratio Lower Upper

91 100

120 17.5 9.8 29.4



#79

2-Chlorotoluene

Concen: 56.97 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD058043.D

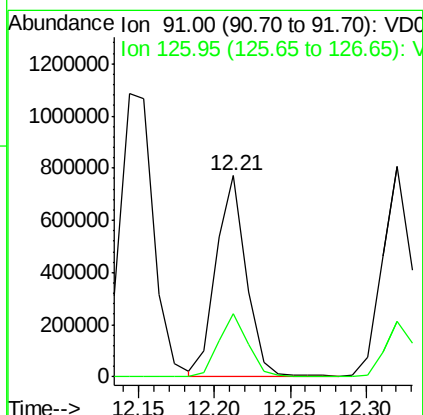
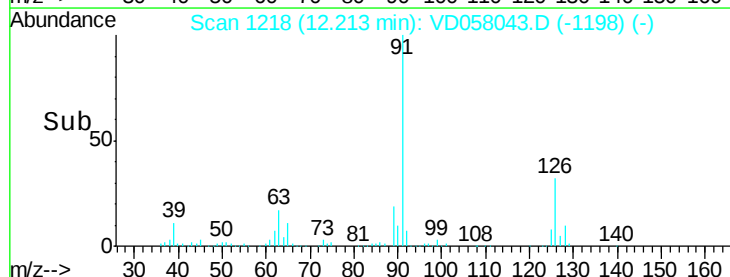
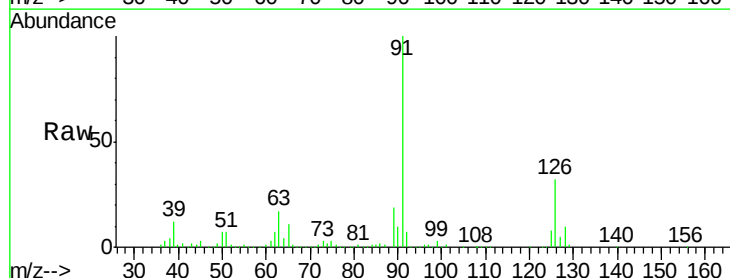
Acq: 9 Jun 2018 4:58

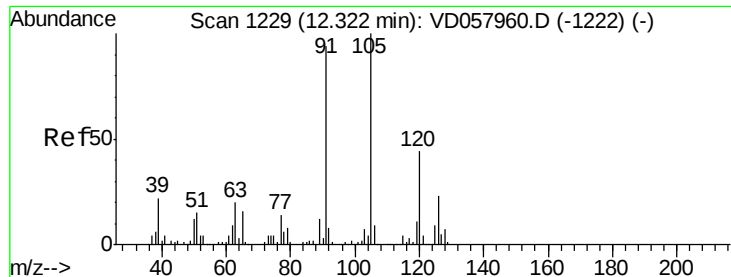
Tgt Ion: 91 Resp: 1061223

Ion Ratio Lower Upper

91 100

126 31.5 14.6 44.0

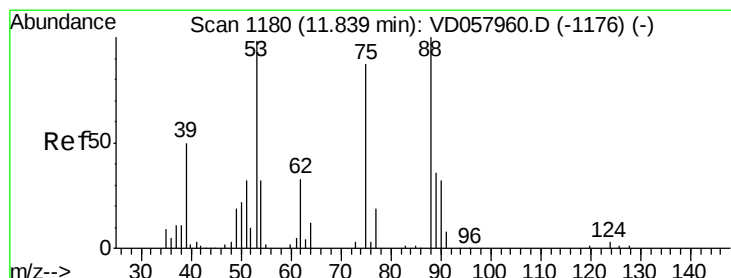
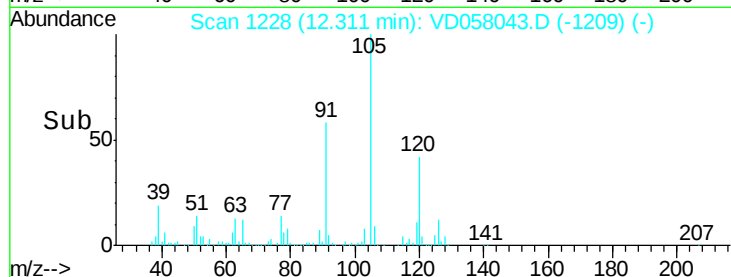
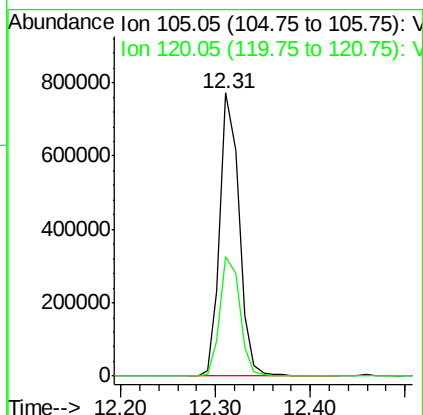
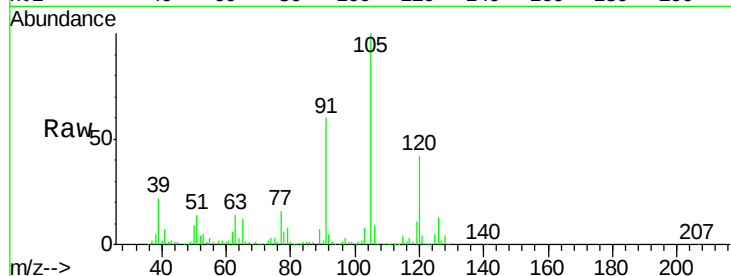




#80
 1,3,5-Trimethylbenzene
 Concen: 55.70 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

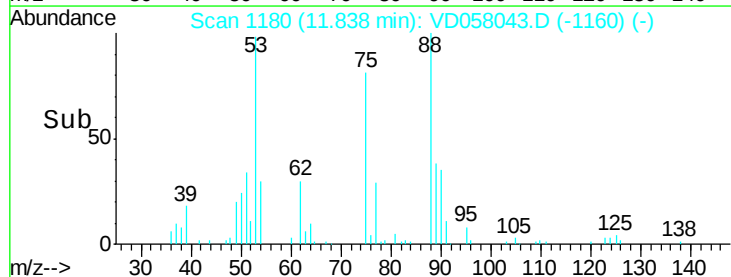
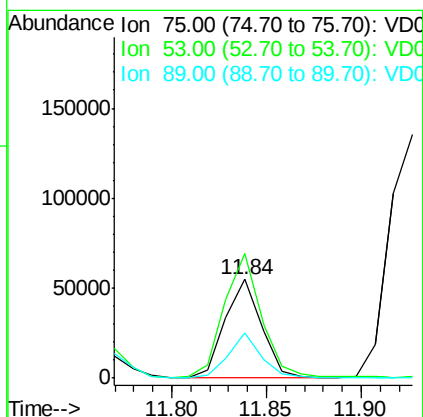
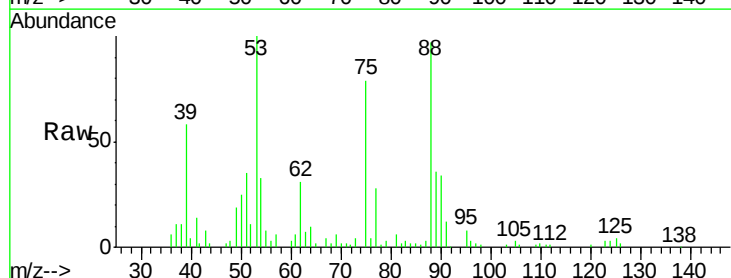
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

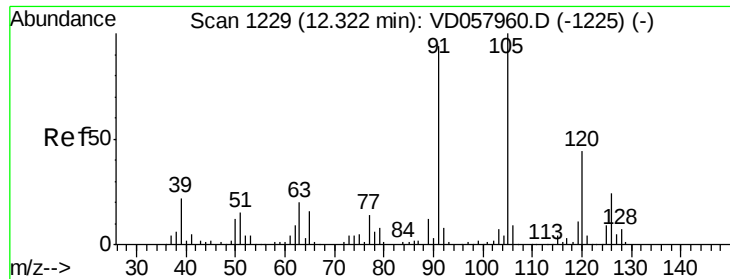
Tot Ion:105 Resp: 1089857
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.96 ug/l
 RT: 11.84 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 75 Resp: 73242
 Ion Ratio Lower Upper
 75 100
 53 127.1 89.3 133.9
 89 46.2 33.3 49.9

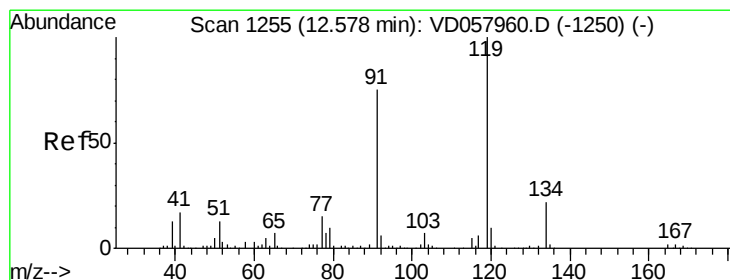
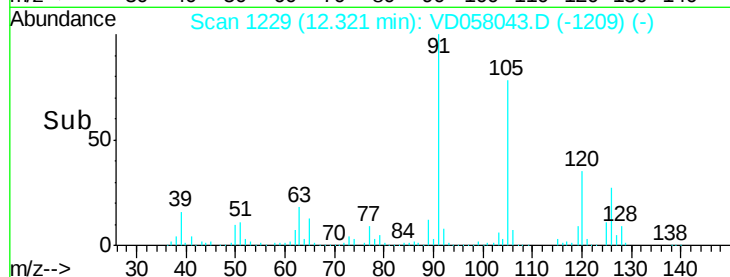
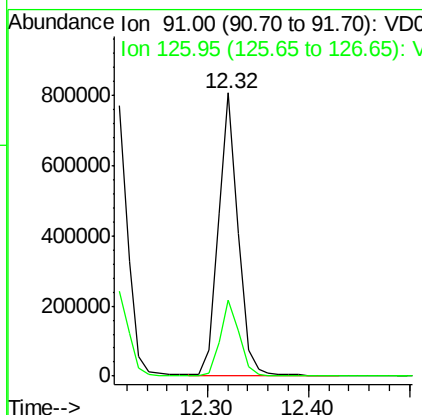
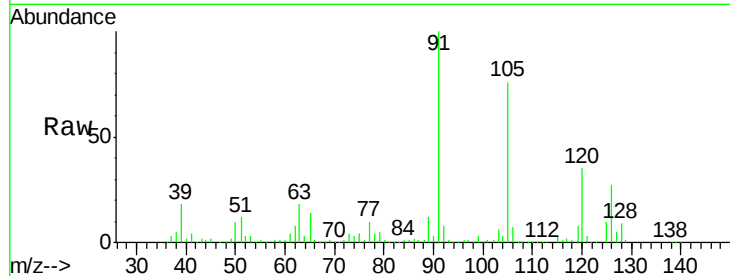




#82
4-Chlorotoluene
Concen: 61.47 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

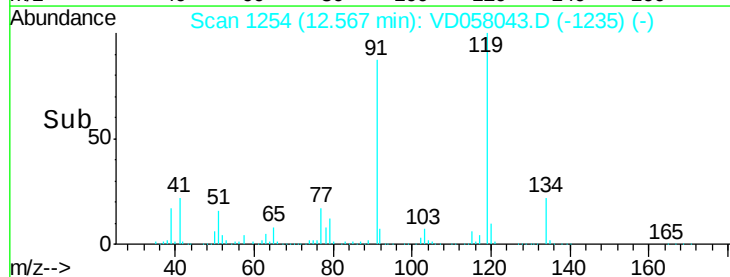
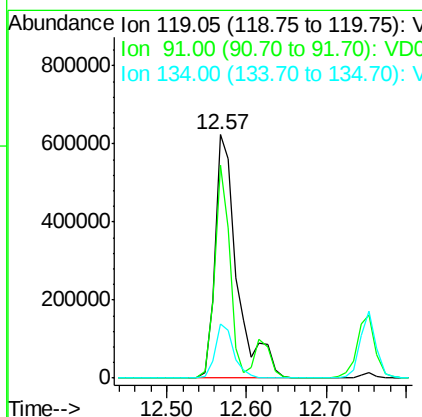
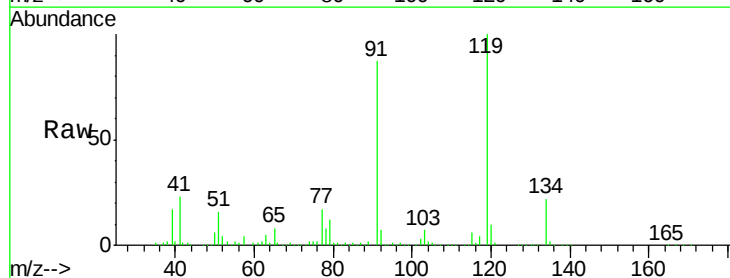
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

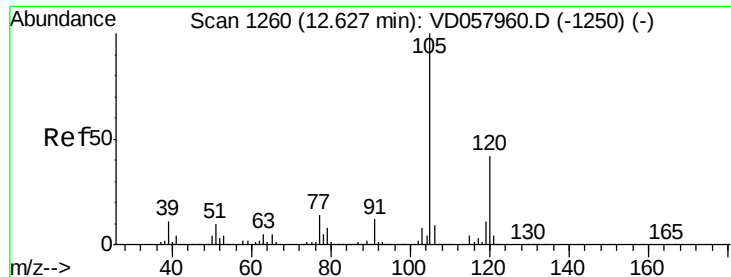
Tot Ion: 91 Resp: 1100352
Ion Ratio Lower Upper
91 100
126 26.7 12.5 37.5



#83
tert-Butylbenzene
Concen: 55.33 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 119 Resp: 1222477
Ion Ratio Lower Upper
119 100
91 87.3 37.6 112.9
134 22.2 11.2 33.5

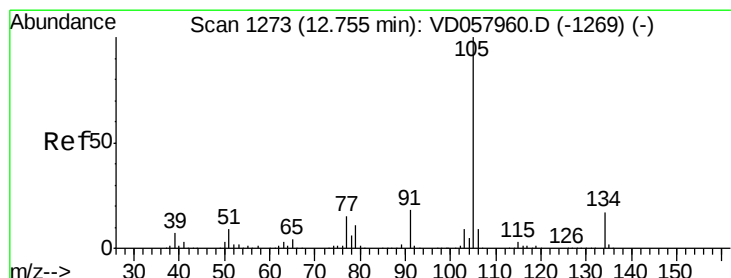
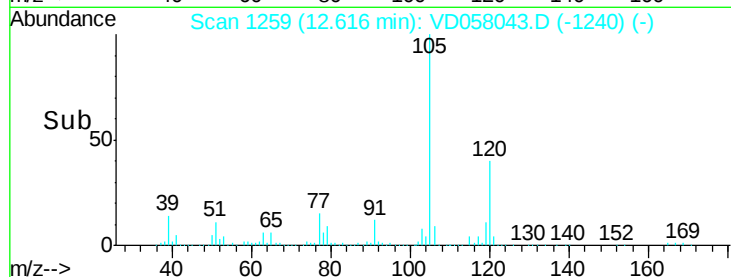
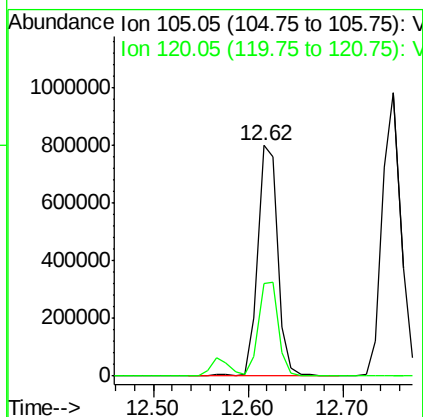
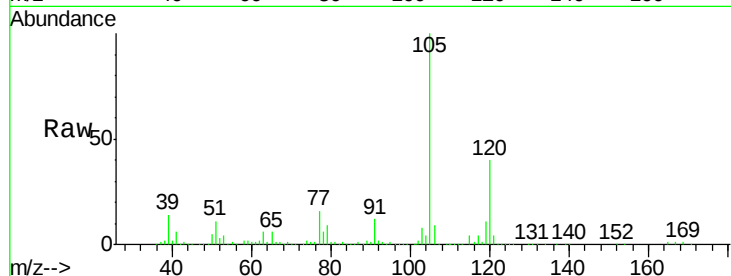




#84
1,2,4-Trimethylbenzene
Concen: 56.03 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

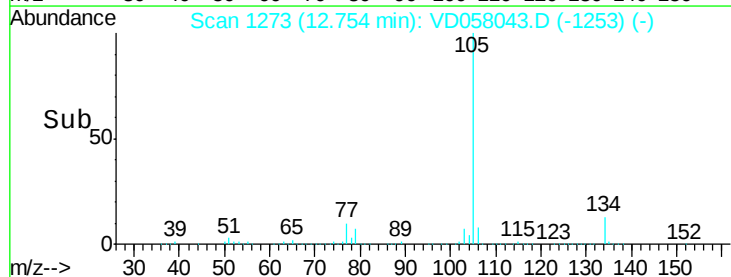
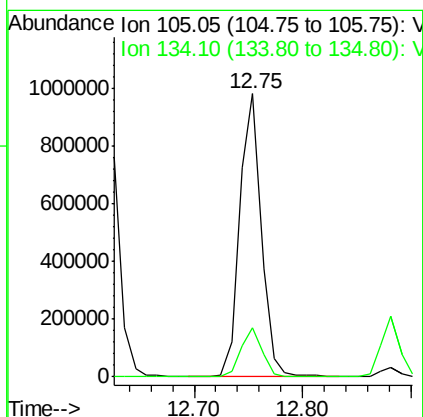
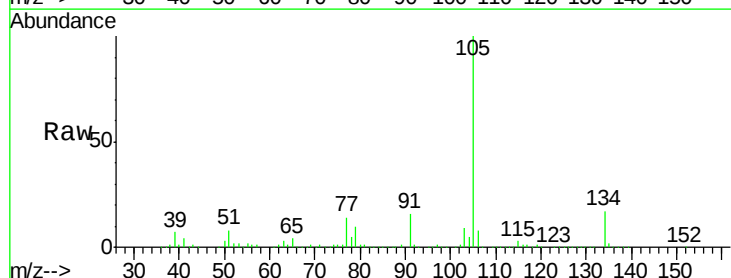
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-02-03-1-27MSD

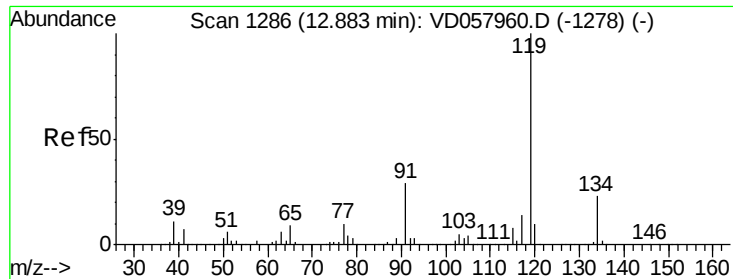
Tot Ion:105 Resp: 1178881
Ion Ratio Lower Upper
105 100
120 40.2 21.2 63.6



#85
sec-Butylbenzene
Concen: 50.81 ug/l
RT: 12.75 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:105 Resp: 1354962
Ion Ratio Lower Upper
105 100
134 17.5 8.3 25.1

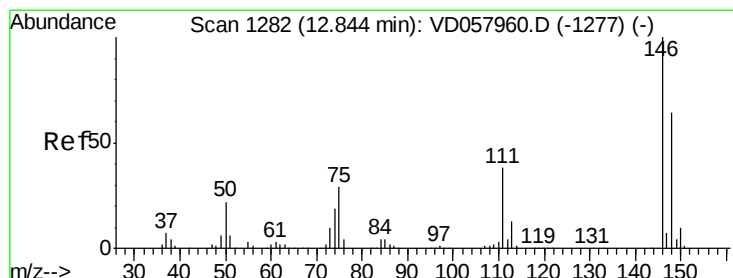
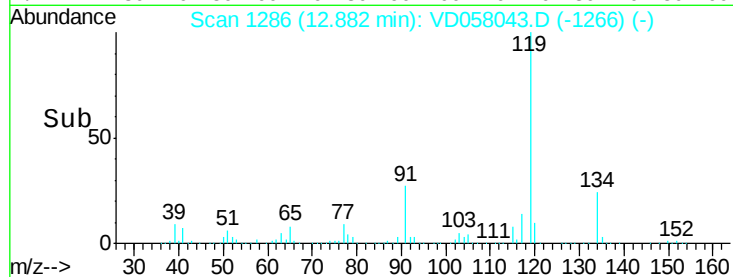
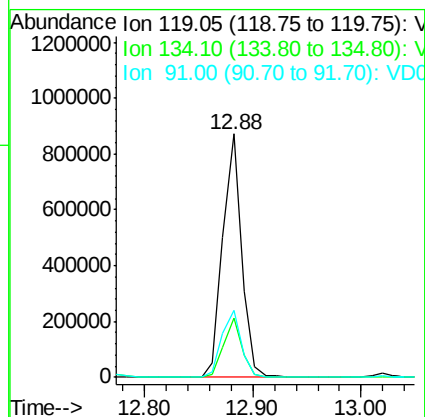
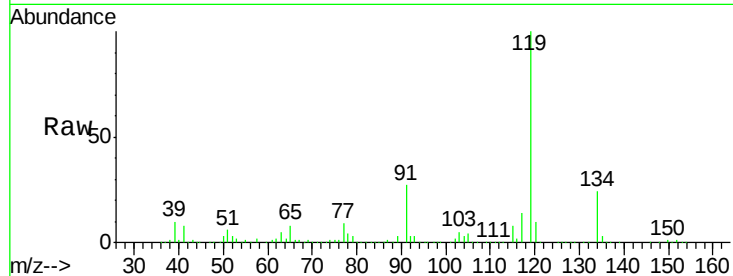




#86
 p-Isopropyltoluene
 Concen: 49.04 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

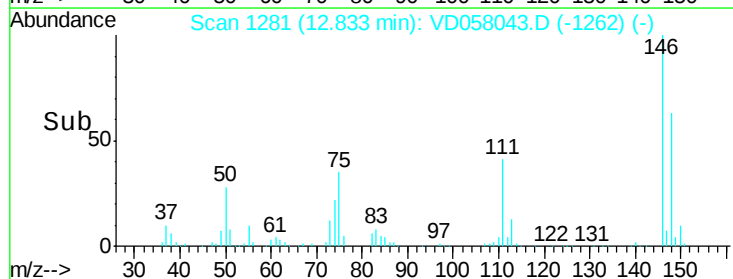
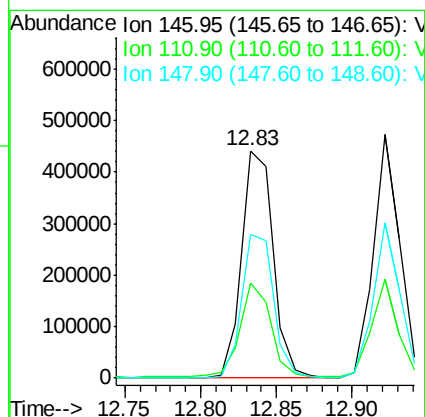
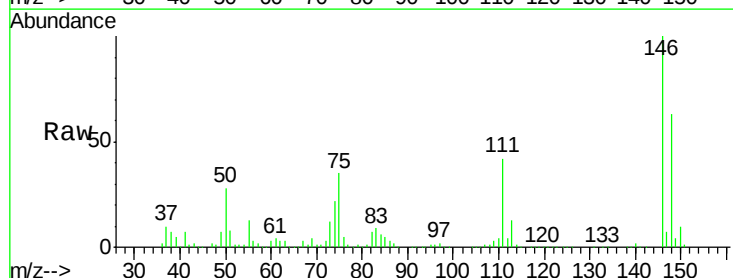
Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

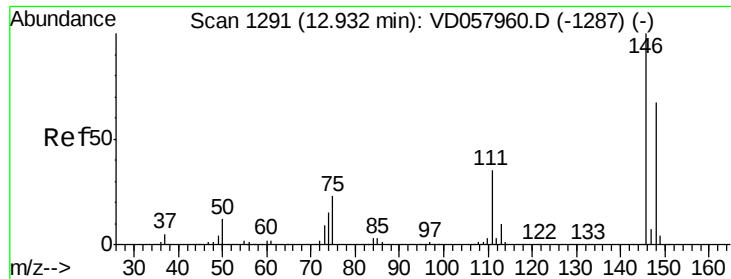
Tot Ion:119 Resp: 1053938
 Ion Ratio Lower Upper
 119 100
 134 24.3 11.5 34.4
 91 27.4 14.5 43.6



#87
 1,3-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion:146 Resp: 642559
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.1 57.3
 148 62.9 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 47.61 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

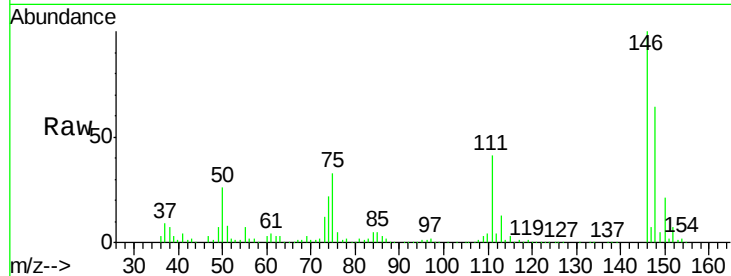
Tot Ion:146 Resp: 582813

Ion Ratio Lower Upper

146 100

111 40.7 17.3 52.0

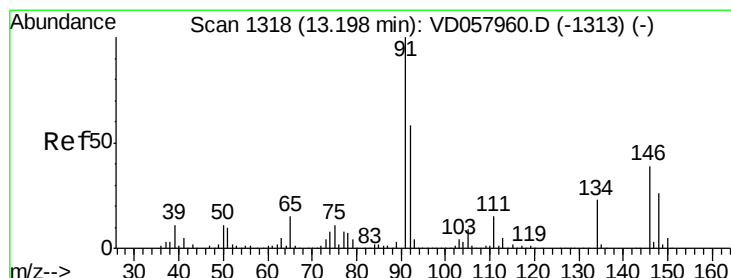
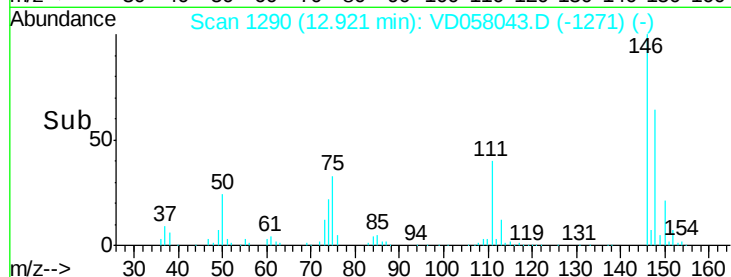
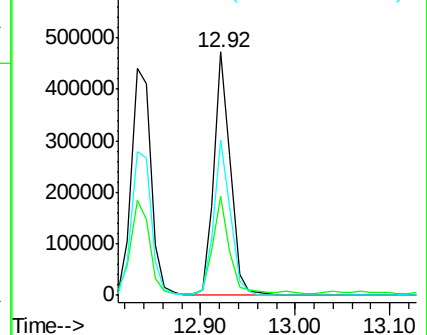
148 63.9 33.4 100.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 51.54 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

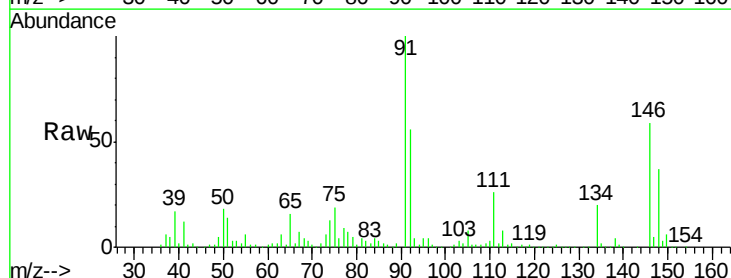
Tgt Ion: 91 Resp: 995153

Ion Ratio Lower Upper

91 100

92 55.7 29.2 87.6

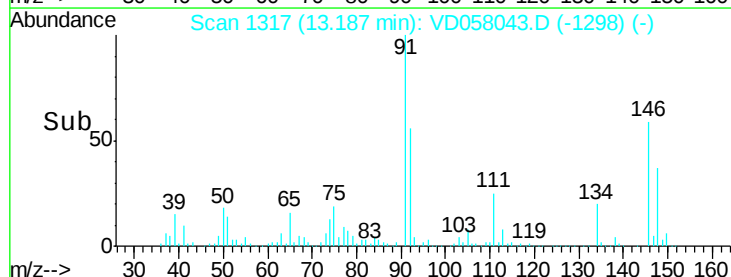
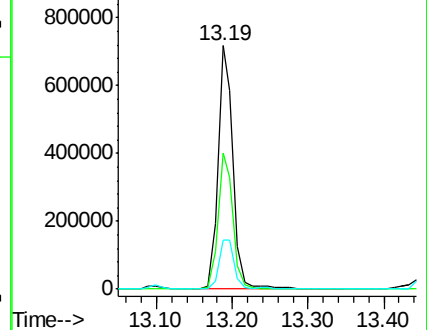
134 20.1 11.3 33.9

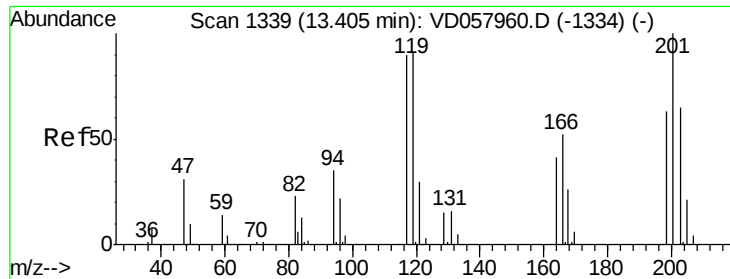


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 51.81 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

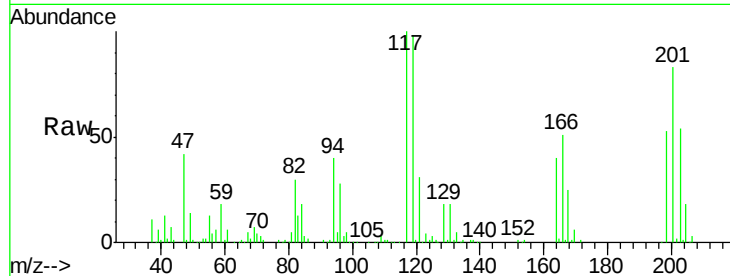
CAS1-SB-02-03-1-27MSD

Tot Ion:117 Resp: 284231

Ion Ratio Lower Upper

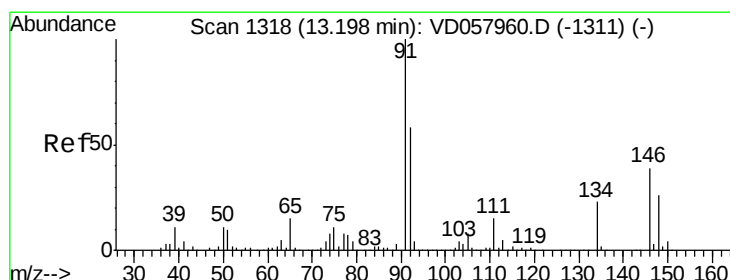
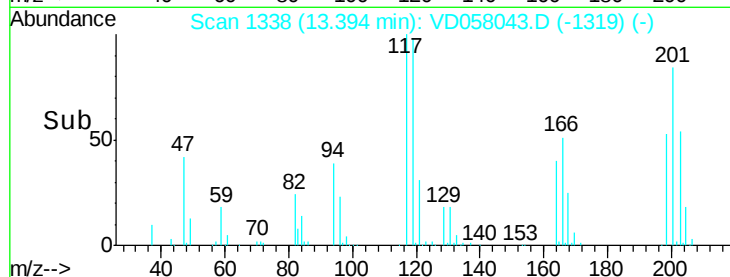
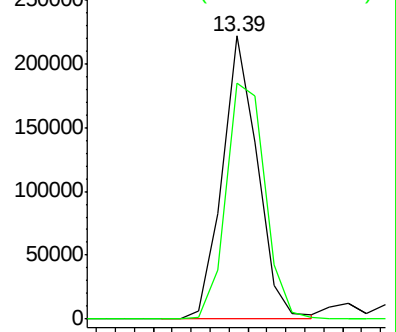
117 100

201 83.4 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 53.53 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

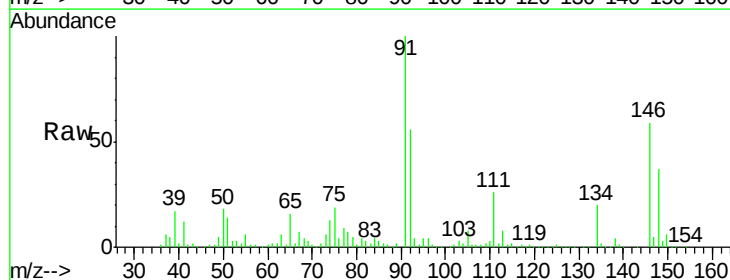
Tgt Ion:146 Resp: 543502

Ion Ratio Lower Upper

146 100

111 44.2 19.4 58.2

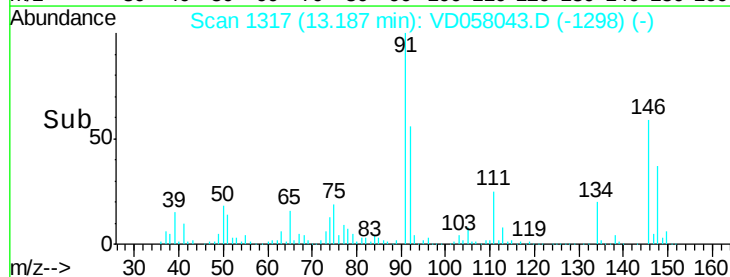
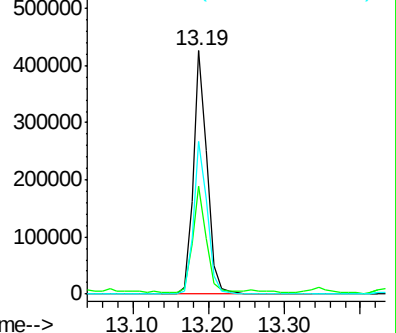
148 62.9 32.6 98.0

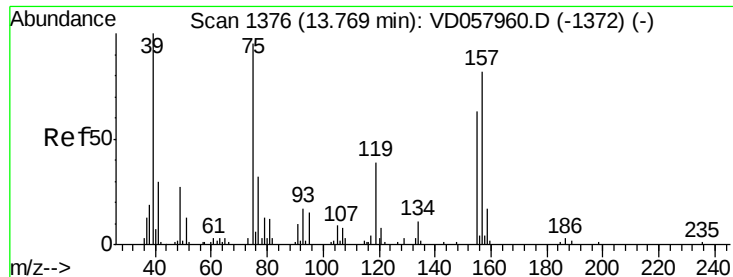


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 62.57 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

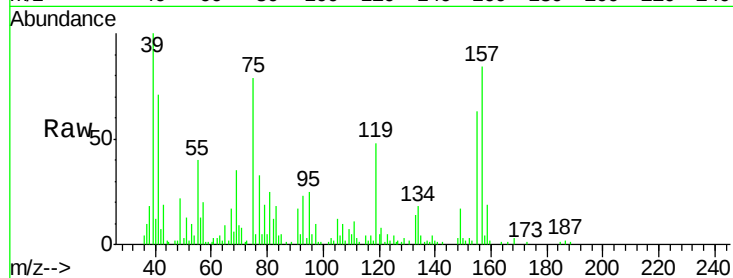
Tot Ion: 75 Resp: 52831

Ion Ratio Lower Upper

75 100

155 79.9 33.4 100.1

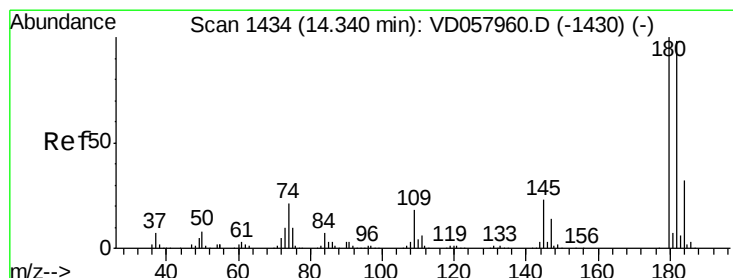
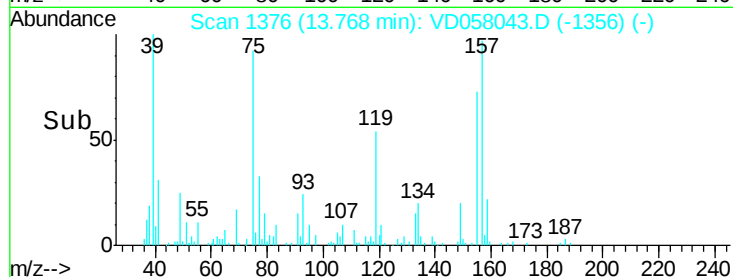
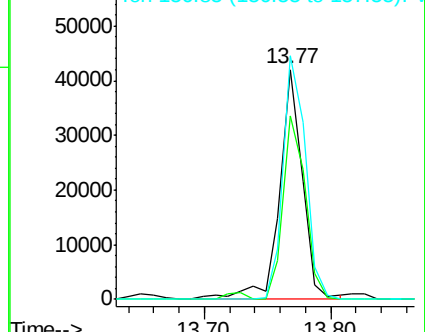
157 105.9 42.9 128.5



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: 45.13 ug/l

RT: 14.34 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

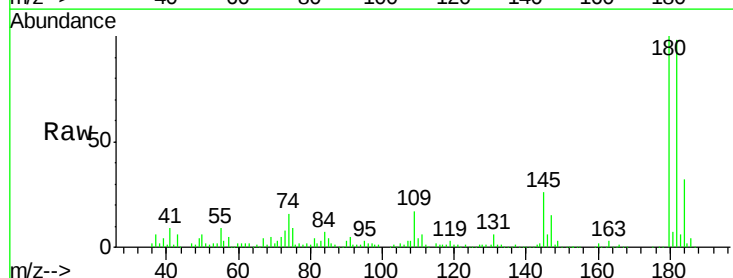
Tgt Ion: 180 Resp: 428093

Ion Ratio Lower Upper

180 100

182 97.8 49.0 147.2

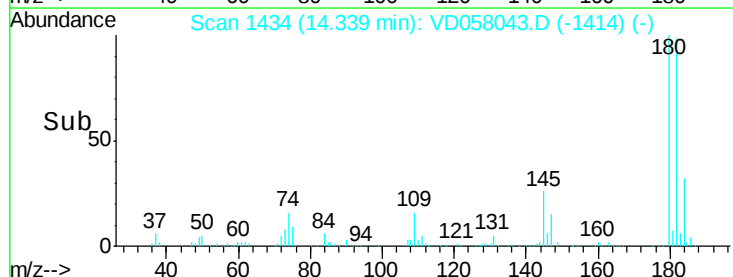
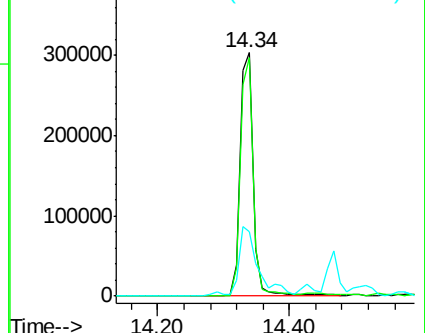
145 26.4 11.8 35.3

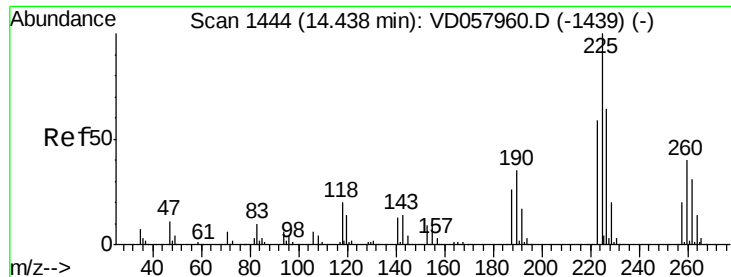


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 33.44 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-02-03-1-27MSD

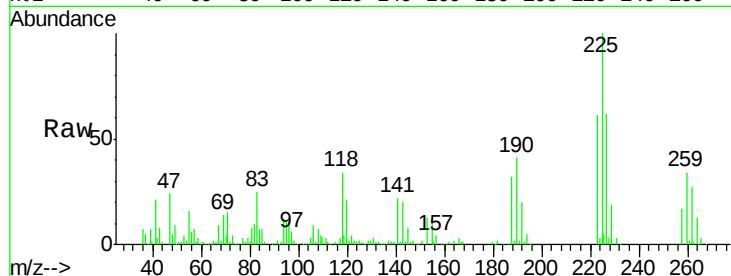
Tot Ion:225 Resp: 249485

Ion Ratio Lower Upper

225 100

223 61.5 29.5 88.6

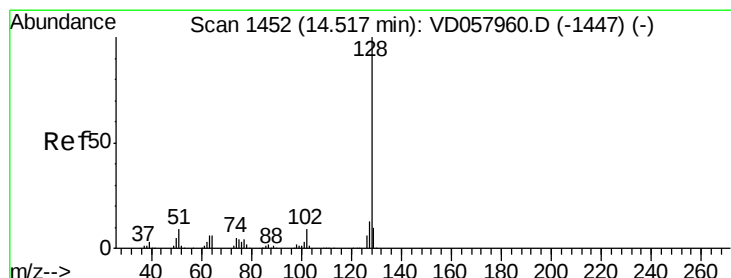
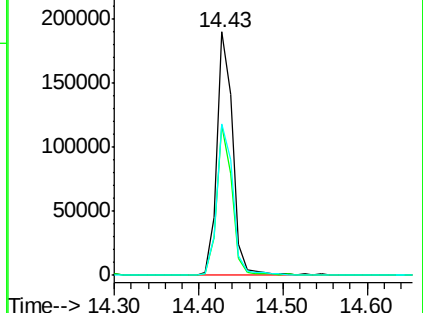
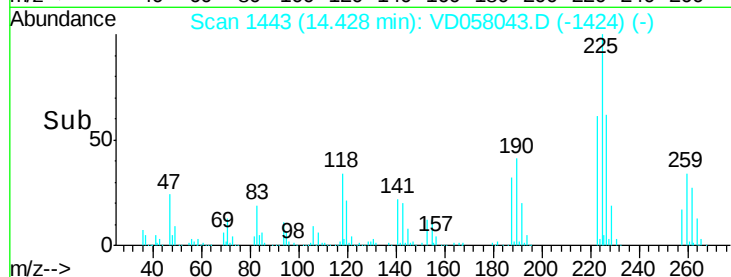
227 62.4 32.0 96.0



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: 47.67 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

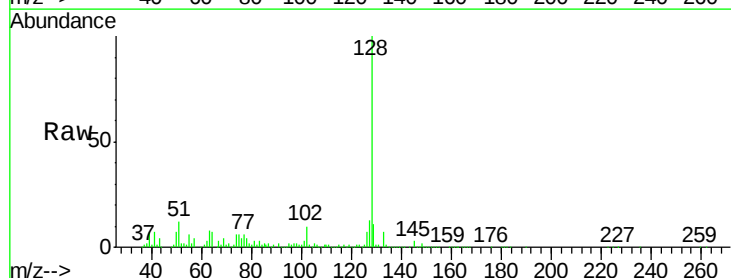
Tgt Ion:128 Resp: 582978

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

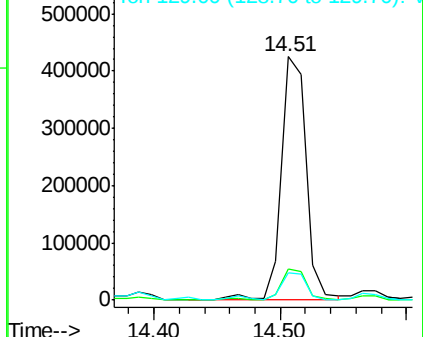
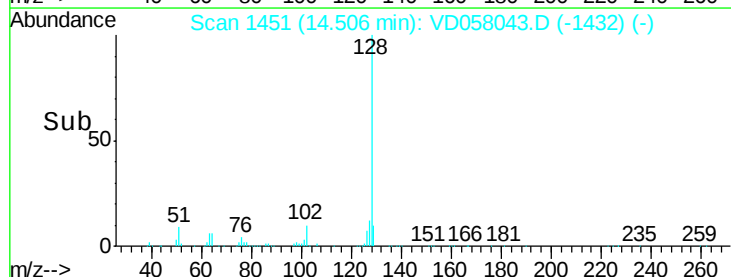
129 11.5 8.2 12.2

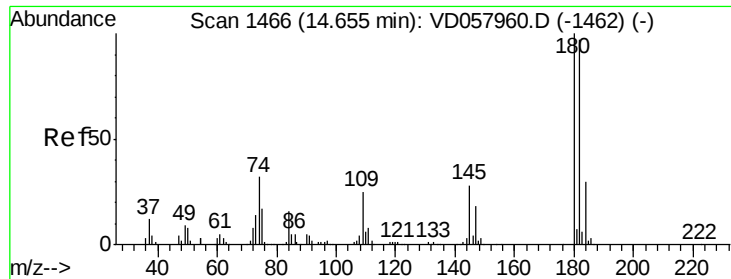


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 44.00 ug/l
 RT: 14.65 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.5	145.5
145	36.7	14.2	42.8

