

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057972.D
 Acq On : 7 Jun 2018 15:26
 Operator : JC/SY
 Sample : J3320-03MSD
 Misc : 5.75u/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

Quant Time: Jun 08 06:48:21 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	5.65	168	865997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1092320	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	682252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	194330	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	383475	44.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.58%	
35) Dibromofluoromethane	5.55	113	430457	50.93	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.86%	
50) Toluene-d8	8.71	98	933947	46.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.93	95	256968	29.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	580965	49.985	ug/l	100
3) Chloromethane	1.49	50	298967	52.228	ug/l	95
4) Vinyl Chloride	1.57	62	324325	58.533	ug/l	97
5) Bromomethane	1.82	94	157046	72.317	ug/l	99
6) Chloroethane	1.90	64	142436	65.155	ug/l	89
7) Trichlorofluoromethane	2.10	101	451925	59.667	ug/l	100
8) Diethyl Ether	2.36	74	74465	52.923	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.57	101	234168	51.832	ug/l	97
10) Methyl Iodide	2.70	142	353595	60.657	ug/l	98
11) Tert butyl alcohol	3.26	59	54597	235.402	ug/l	98
12) 1,1-Dichloroethene	2.56	96	200852	57.829	ug/l	98
13) Acrolein	2.48	56	43013	129.496	ug/l	94
14) Allyl chloride	2.93	41	404312	50.463	ug/l	98
15) Acrylonitrile	3.36	53	288098	212.331	ug/l	97
16) Acetone	2.62	43	433587	347.604	ug/l	96
17) Carbon Disulfide	2.76	76	718245	57.084	ug/l	99
18) Methyl Acetate	2.94	43	172463	71.473	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	752252	49.223	ug/l	98
20) Methylene Chloride	3.08	84	183869	54.172	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	453983	58.684	ug/l	99
22) Diisopropyl ether	4.07	45	1665156	52.460	ug/l	99
23) Vinyl Acetate	4.02	43	3280453	200.027	ug/l	99
24) 1,1-Dichloroethane	3.97	63	930623	53.347	ug/l	99
25) 2-Butanone	4.84	43	676905	238.786	ug/l	97
26) 2,2-Dichloropropane	4.80	77	750339	52.214	ug/l	89
27) cis-1,2-Dichloroethene	4.81	96	772850	84.234	ug/l	94
28) Bromochloromethane	5.14	49	385072	51.001	ug/l	98
29) Tetrahydrofuran	5.18	42	320174	215.459	ug/l	99
30) Chloroform	5.32	83	897463	51.118	ug/l	99
31) Cyclohexane	5.60	56	652424	43.337	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	774669	52.698	ug/l	99
36) 1,1-Dichloropropene	5.75	75	637848	53.002	ug/l	96
37) Ethyl Acetate	4.93	43	428223	65.212	ug/l	97
38) Carbon Tetrachloride	5.73	117	663281	55.924	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	459942	38.554	ug/l	98
40) Benzene	6.02	78	1468790	52.245	ug/l	98
41) Methacrylonitrile	5.13	41	162177	54.014	ug/l	95
42) 1,2-Dichloroethane	6.13	62	588758	51.797	ug/l	100
43) Isopropyl Acetate	7.62	43	388289	45.144	ug/l	100
44) Trichloroethene	6.98	130	459831	55.997	ug/l	93
45) 1,2-Dichloropropane	7.34	63	389907	49.901	ug/l	98
46) Dibromomethane	7.46	93	242430	48.298	ug/l	98
47) Bromodichloromethane	7.74	83	601361	51.169	ug/l	96
48) Methyl methacrylate	7.51	41	240442	45.418	ug/l	96
49) 1,4-Dioxane	7.49	88	37335	851.301	ug/l	95
51) 4-Methyl-2-Pentanone	8.59	43	1259529	228.304	ug/l	98
52) Toluene	8.80	92	785934	48.711	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	480462	47.451	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	589779	49.441	ug/l	94
55) 1,1,2-Trichloroethane	9.45	97	244645	46.851	ug/l	99
56) Ethyl methacrylate	9.31	69	298413	46.588	ug/l	96
57) 1,3-Dichloropropane	9.66	76	420780	45.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	669970	207.026	ug/l	97
59) 2-Hexanone	9.78	43	839066	207.536	ug/l	100
60) Dibromochloromethane	9.96	129	340319	46.217	ug/l	99
61) 1,2-Dibromoethane	10.09	107	272882	45.442	ug/l	99
64) Tetrachloroethene	9.51	164	343558	56.327	ug/l	96
65) Chlorobenzene	10.72	112	726830	52.624	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	316745	59.690	ug/l	99
67) Ethyl Benzene	10.85	91	1376933	55.182	ug/l	99
68) m/p-Xylenes	11.01	106	895253	110.056	ug/l	94
69) o-Xylene	11.41	106	428011	53.008	ug/l	98
70) Styrene	11.43	104	551095	41.229	ug/l	98
71) Bromoform	11.59	173	202689	50.775	ug/l #	97
73) Isopropylbenzene	11.77	105	1155417	89.765	ug/l	100
74) N-amyl acetate	11.64	43	434876	87.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	237512	84.635	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	250495	85.812	ug/l	96
77) Bromobenzene	12.04	156	272275	71.463	ug/l	92
78) n-propylbenzene	12.15	91	1372936	81.971	ug/l	100
79) 2-Chlorotoluene	12.21	91	705415	73.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	746085	74.326	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	59871	82.807	ug/l	88
82) 4-Chlorotoluene	12.32	91	704154	77.527	ug/l	98
83) tert-Butylbenzene	12.57	119	913267	80.575	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	829817	76.885	ug/l	97
85) sec-Butylbenzene	12.75	105	935443	68.385	ug/l	100
86) p-Isopropyltoluene	12.88	119	730469	66.256	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	334072	51.835	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	325700	51.867	ug/l	92
89) n-Butylbenzene	13.19	91	589273	60.233	ug/l	97
90) Hexachloroethane	13.39	117	183488	65.206	ug/l	66
91) 1,2-Dichlorobenzene	13.19	146	255093	48.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	29910	69.059	ug/l	88

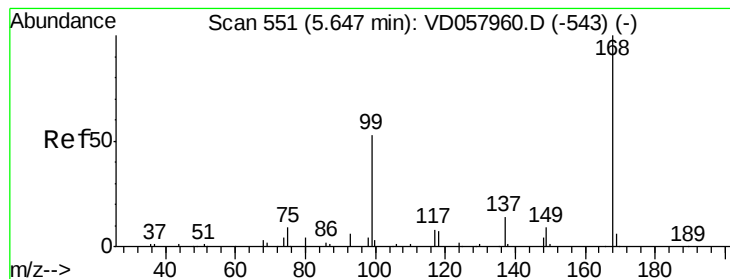
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	95925	19.713	ug/l	97
94) Hexachlorobutadiene	14.43	225	96759	25.280	ug/l	97
95) Naphthalene	14.51	128	142087	22.648	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	71646	17.277	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

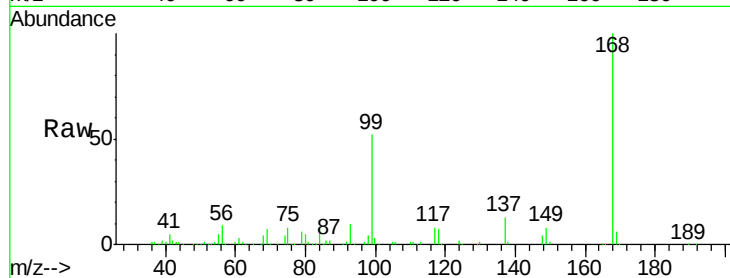
S39-0177MSD

Tot Ion:168 Resp: 865997

Ion Ratio Lower Upper

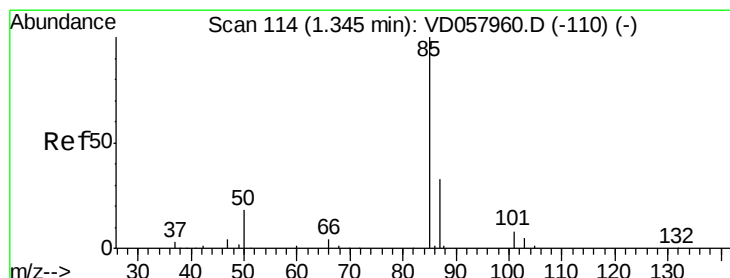
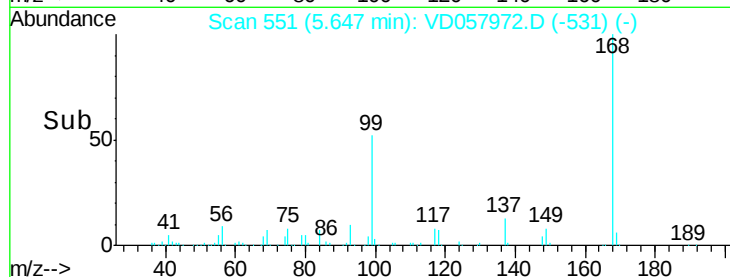
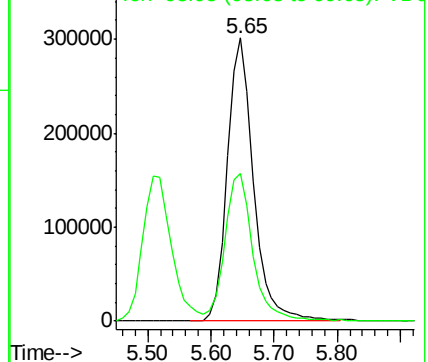
168 100

99 52.0 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: 49.985 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD057972.D

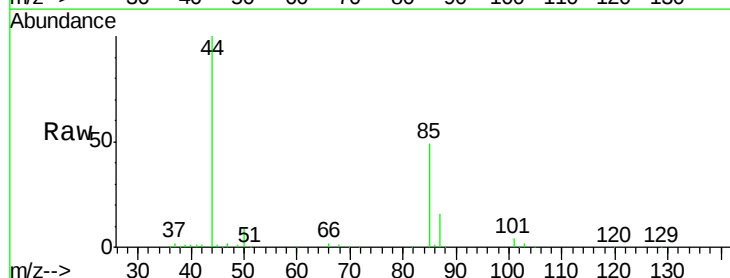
Acq: 7 Jun 2018 15:26

Tgt Ion: 85 Resp: 580965

Ion Ratio Lower Upper

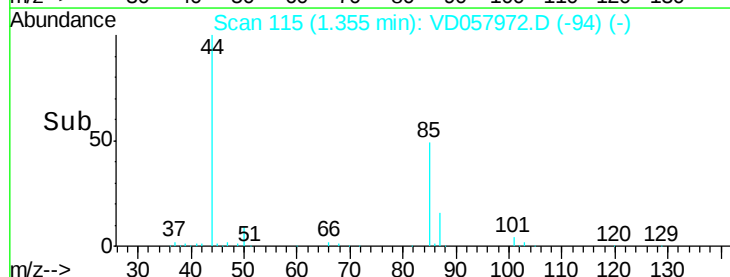
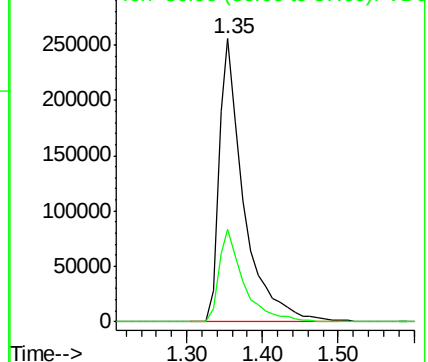
85 100

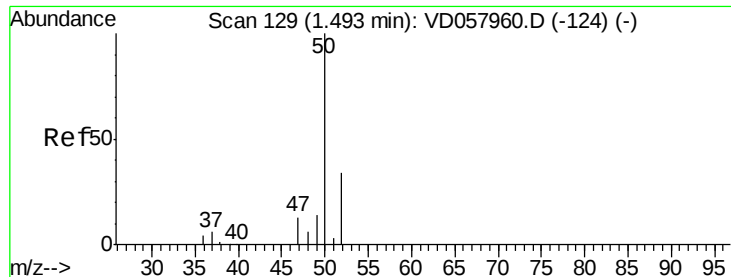
87 32.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.228 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

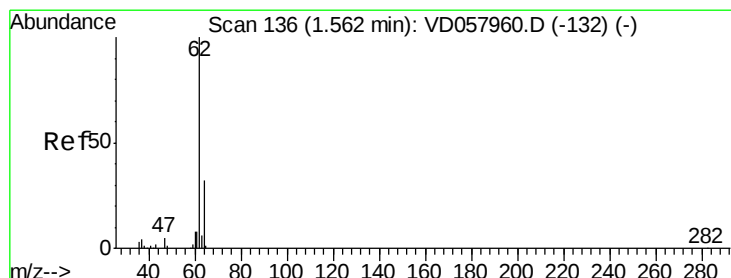
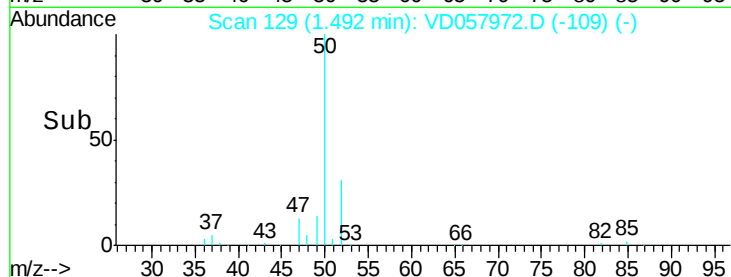
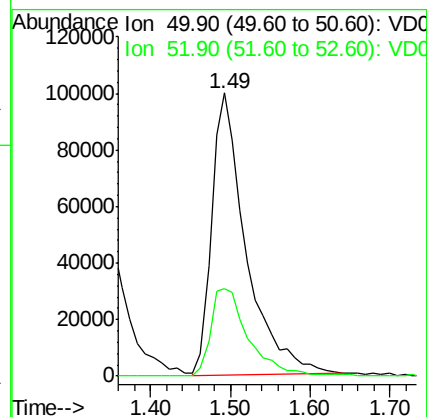
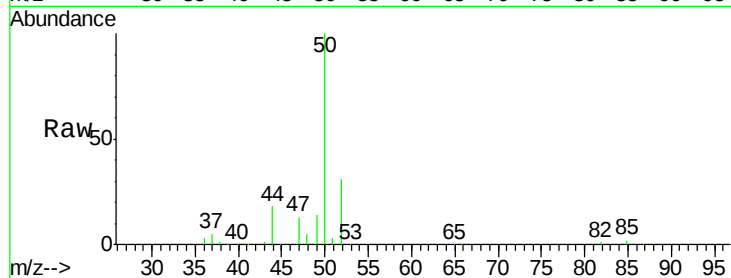
S39-0177MSD

Tot Ion: 50 Resp: 298967

Ion Ratio Lower Upper

50 100

52 31.1 27.2 40.8



#4

Vinyl Chloride

Concen: 58.533 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.01 min

Lab File: VD057972.D

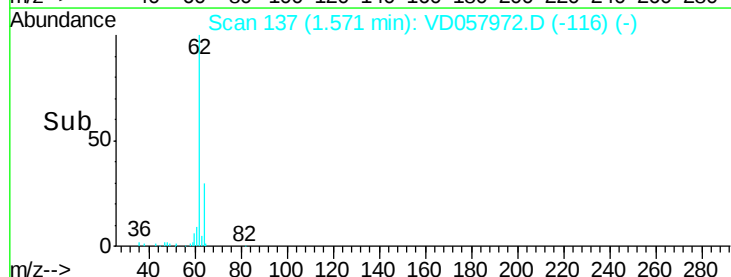
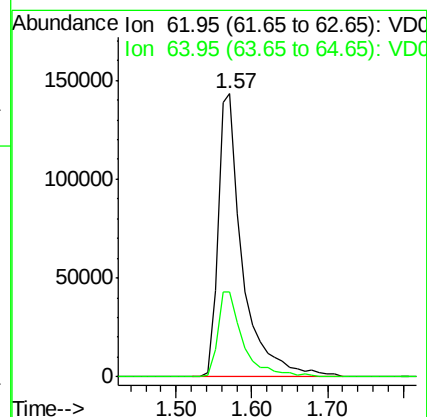
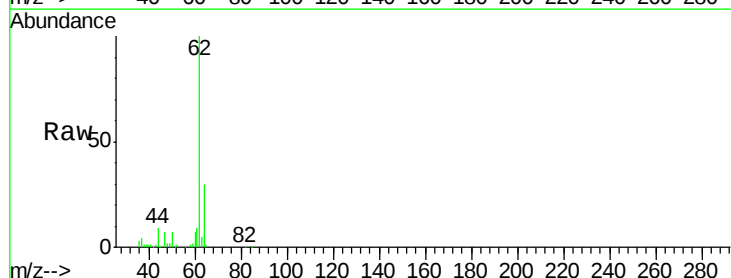
Acq: 7 Jun 2018 15:26

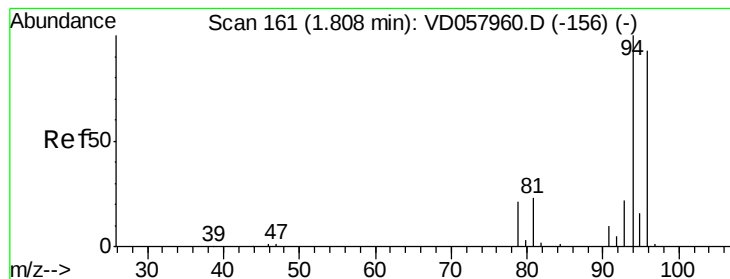
Tgt Ion: 62 Resp: 324325

Ion Ratio Lower Upper

62 100

64 30.0 25.4 38.2





#5

Bromomethane

Concen: 72.317 ug/l

RT: 1.82 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

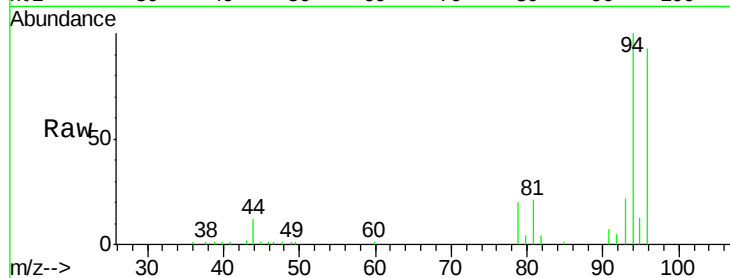
S39-0177MSD

Tot Ion: 94 Resp: 157046

Ion Ratio Lower Upper

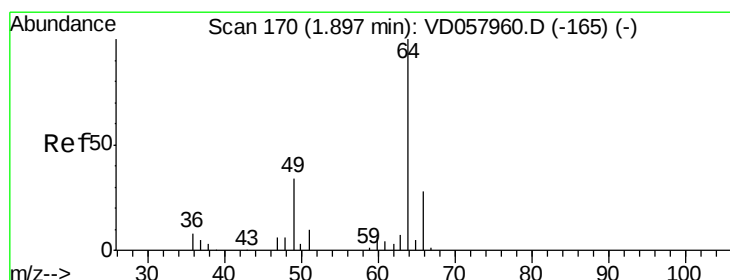
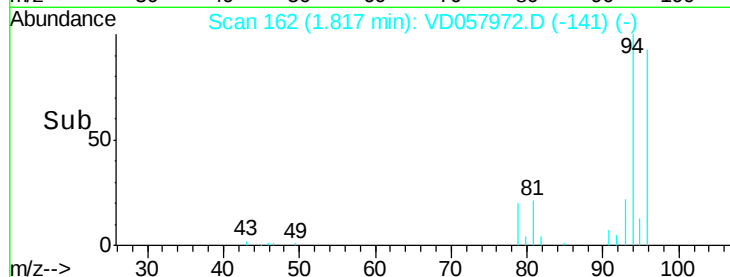
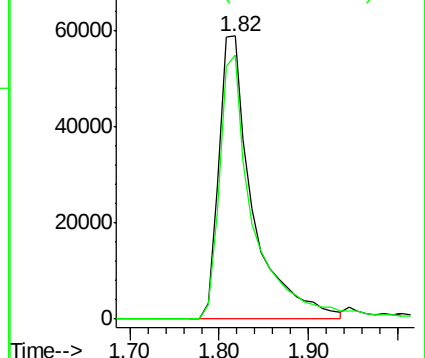
94 100

96 93.5 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 65.155 ug/l

RT: 1.90 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD057972.D

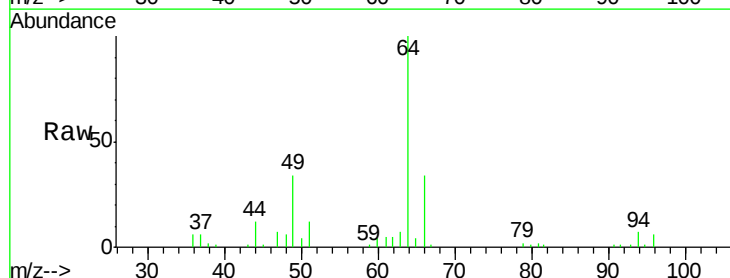
Acq: 7 Jun 2018 15:26

Tgt Ion: 64 Resp: 142436

Ion Ratio Lower Upper

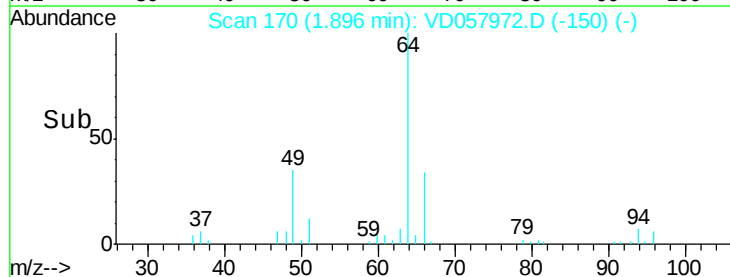
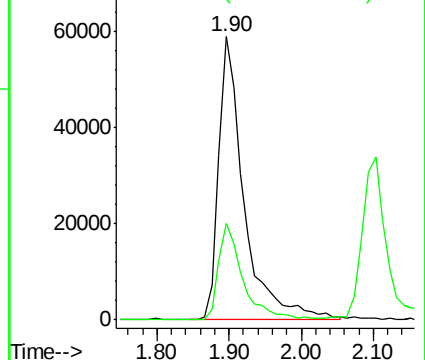
64 100

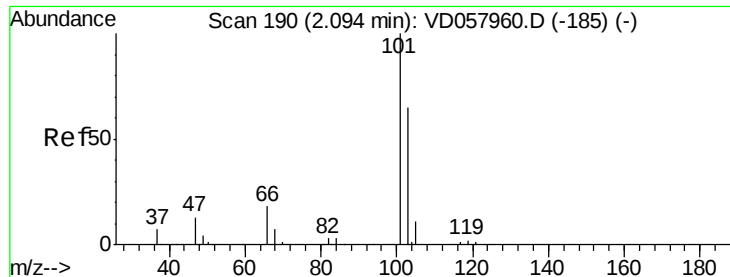
66 34.2 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



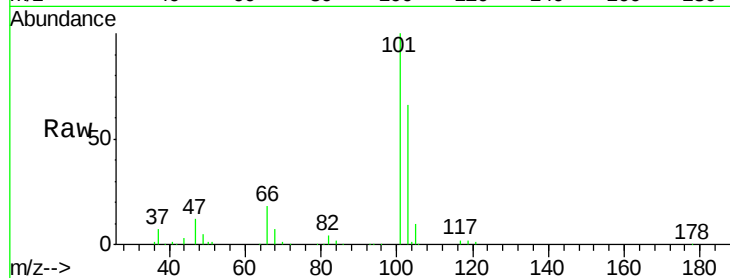


#7

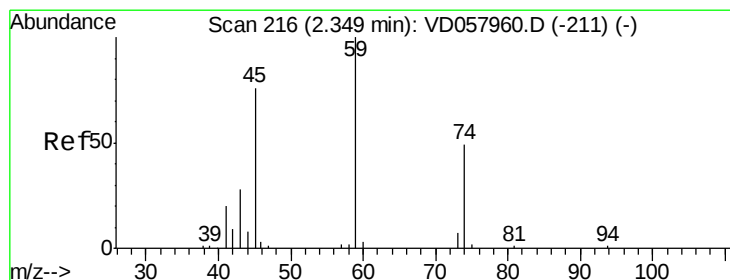
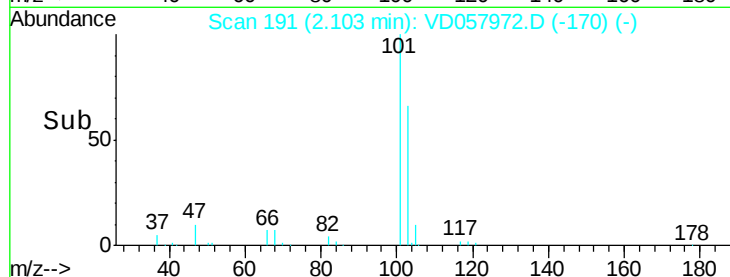
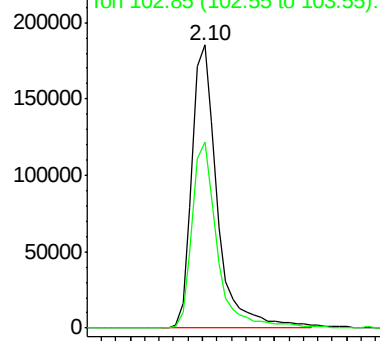
Trichlorofluoromethane
Concen: 59.667 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD057972.D
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S39-0177MSD

Tot Ion:101 Resp: 451925
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6



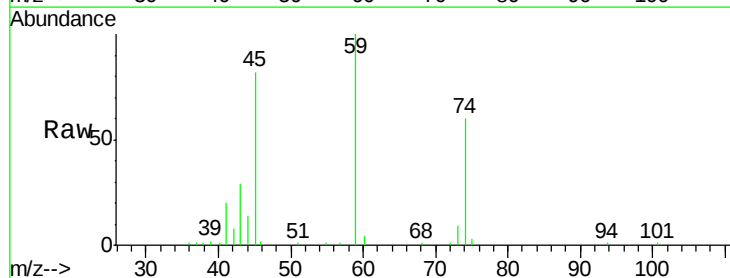
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



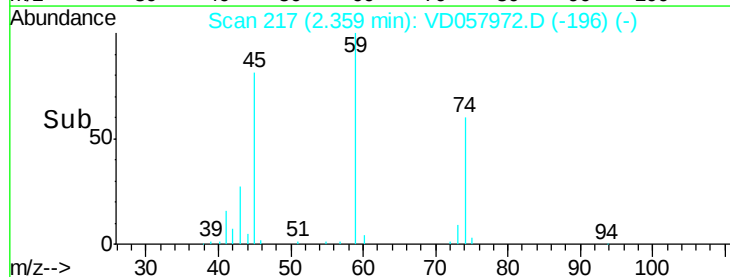
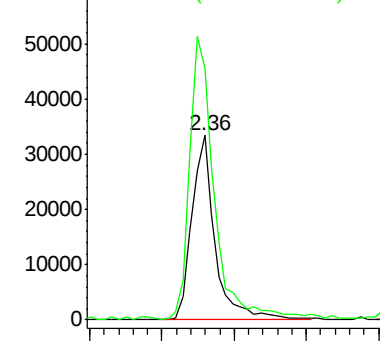
#8

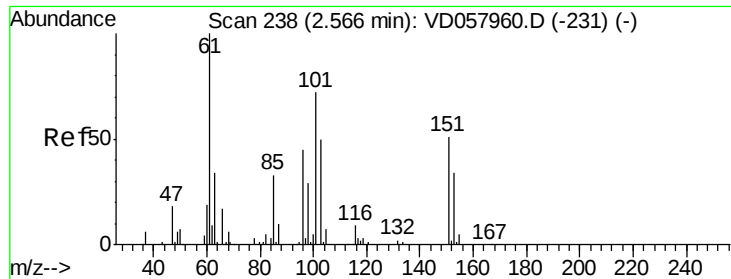
Diethyl Ether
Concen: 52.923 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 74 Resp: 74465
Ion Ratio Lower Upper
74 100
45 136.1 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: 51.832 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

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MSVOA_D

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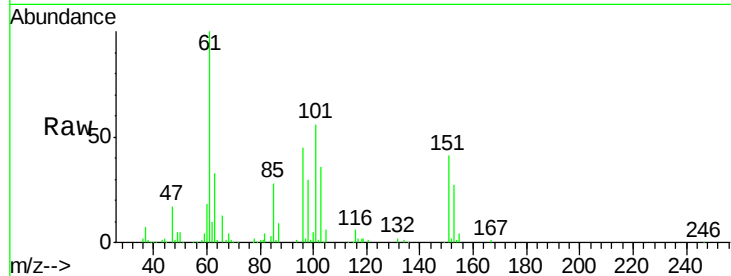
Tot Ion:101 Resp: 234168

Ion Ratio Lower Upper

101 100

85 49.7 37.3 55.9

151 72.9 57.0 85.6



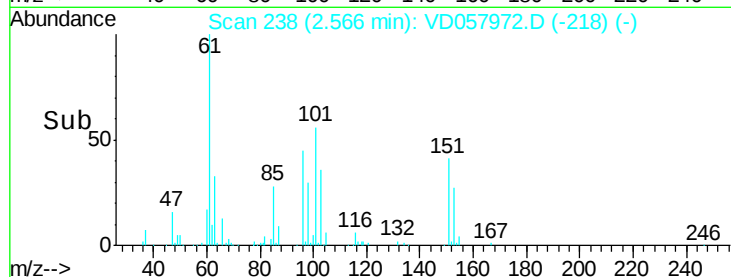
Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.57

Time-->



Abundance

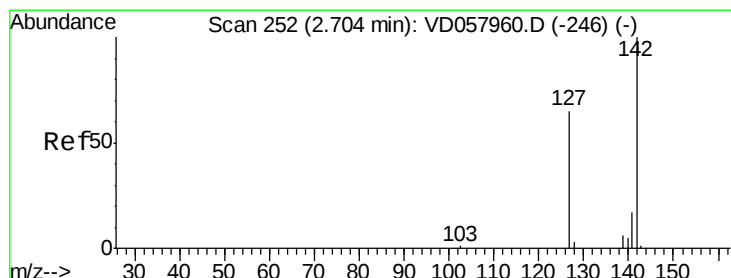
Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.57

Time-->



#10

Methyl Iodide

Concen: 60.657 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

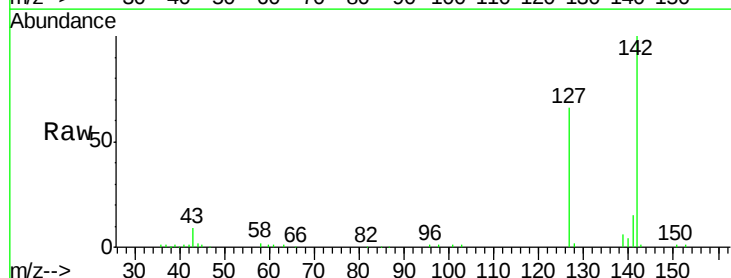
Tgt Ion:142 Resp: 353595

Ion Ratio Lower Upper

142 100

127 66.2 52.0 78.0

141 14.9 13.2 19.8



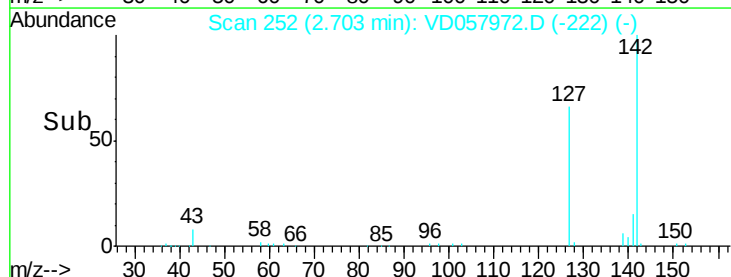
Abundance Ion 141.85 (141.55 to 142.55): V

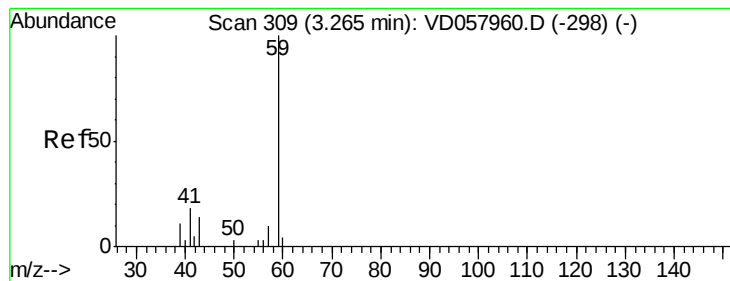
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

2.70

Time-->



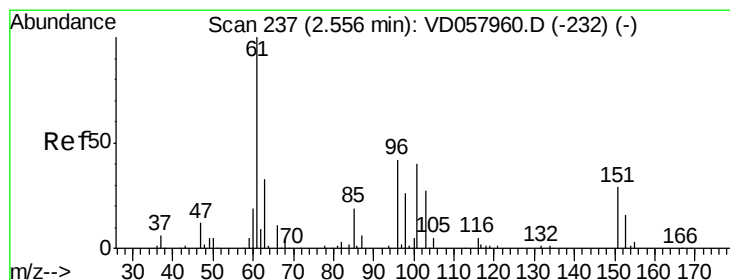
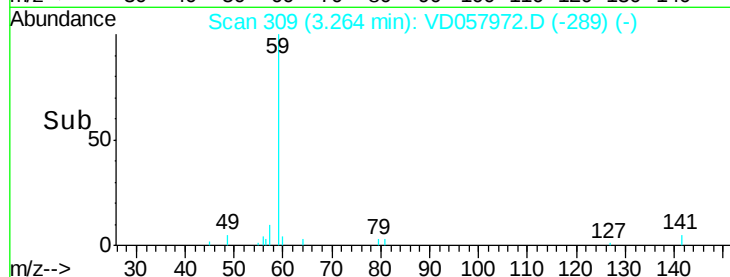
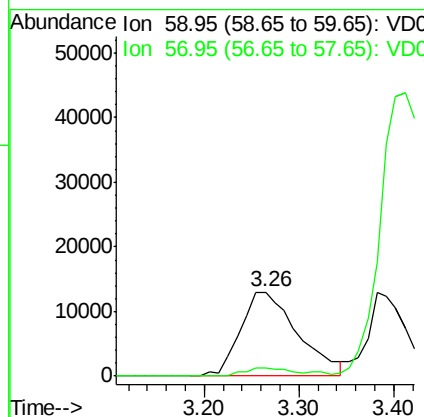
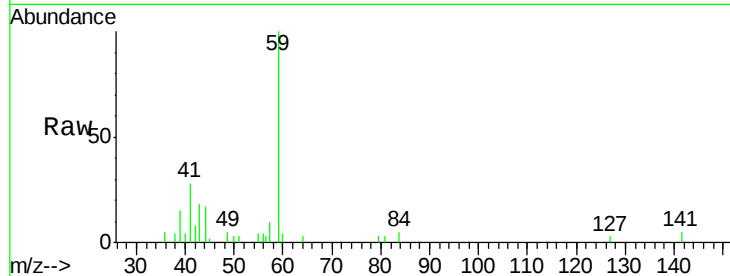


#11

Tert butyl alcohol
Concen: 235.402 ug/l
RT: 3.26 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

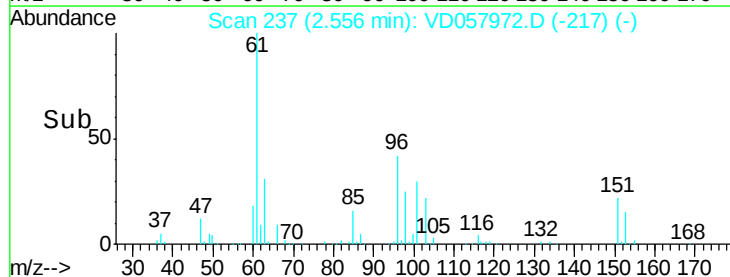
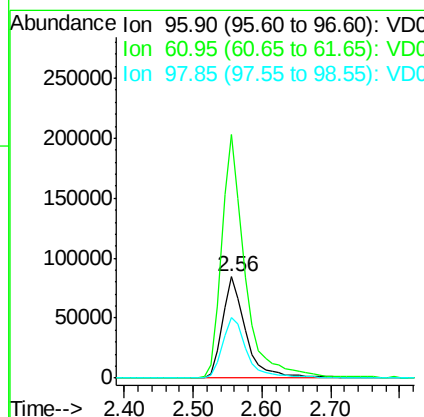
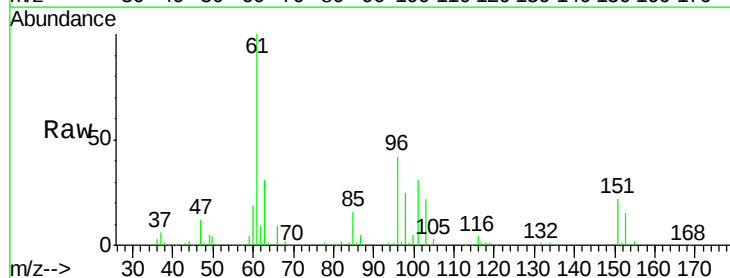
Tot Ion: 59 Resp: 54597
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6

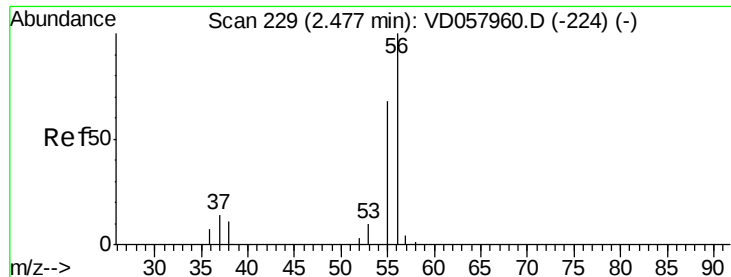


#12

1,1-Dichloroethene
Concen: 57.829 ug/l
RT: 2.56 min Scan# 237
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 96 Resp: 200852
Ion Ratio Lower Upper
96 100
61 240.0 190.2 285.4
98 59.3 49.6 74.4





#13

Acrolein

Concen: 129.496 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

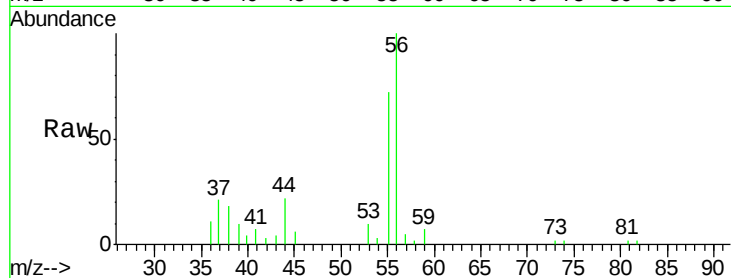
S39-0177MSD

Tot Ion: 56 Resp: 43013

Ion Ratio Lower Upper

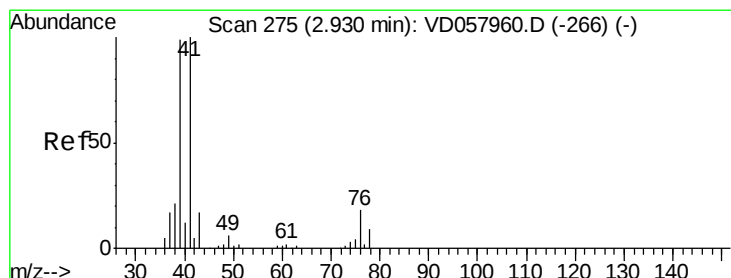
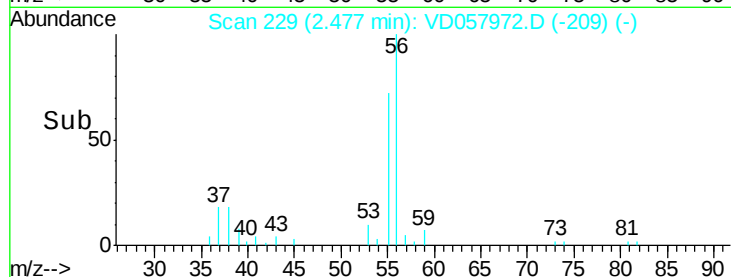
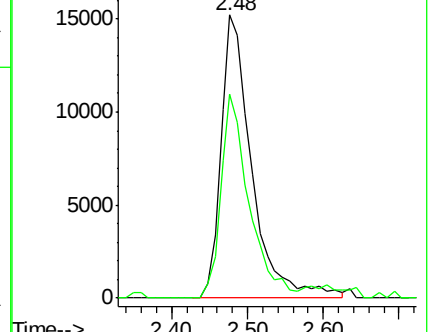
56 100

55 72.0 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.463 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

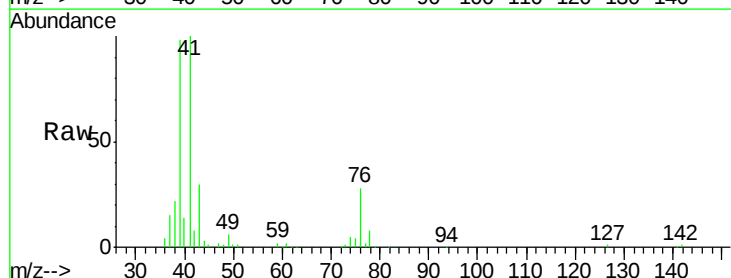
Tgt Ion: 41 Resp: 404312

Ion Ratio Lower Upper

41 100

39 97.8 79.5 119.3

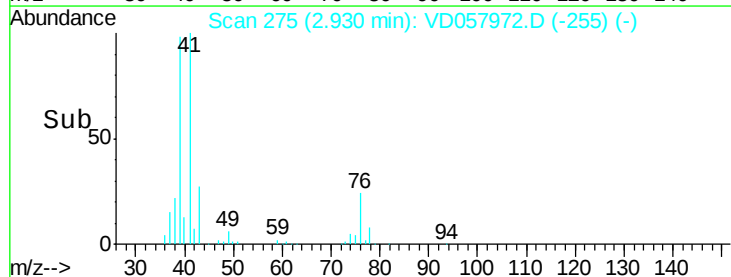
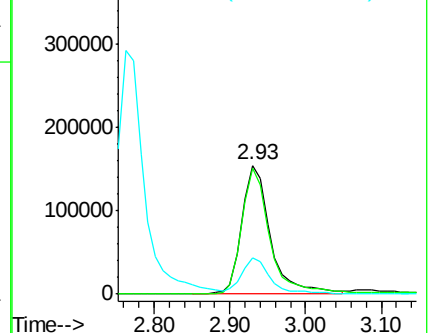
76 27.9 20.7 31.1

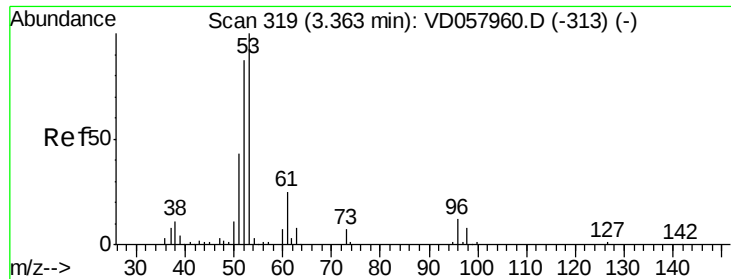


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 212.331 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

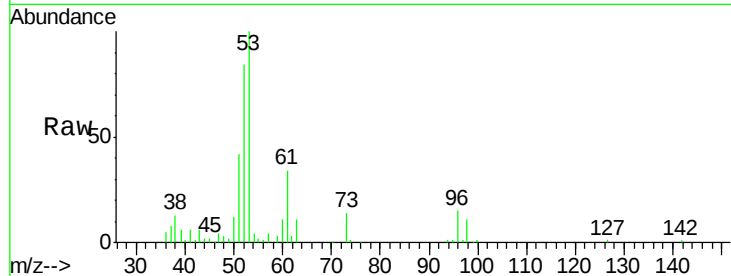
Tot Ion: 53 Resp: 288098

Ion Ratio Lower Upper

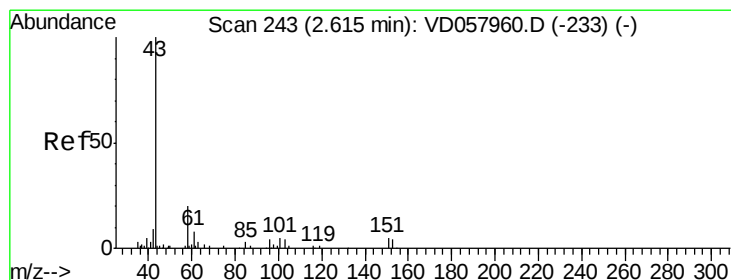
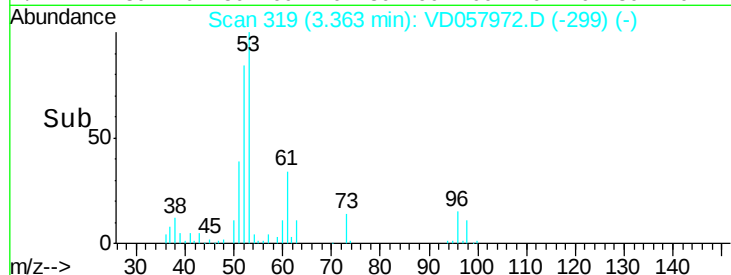
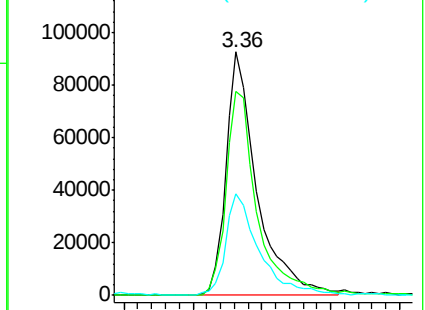
53 100

52 84.0 69.9 104.9

51 41.6 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: 347.604 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057972.D

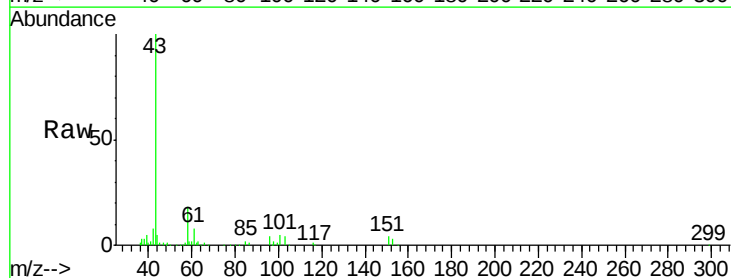
Acq: 7 Jun 2018 15:26

Tgt Ion: 43 Resp: 433587

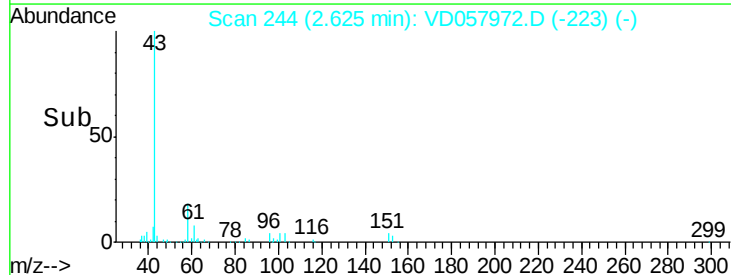
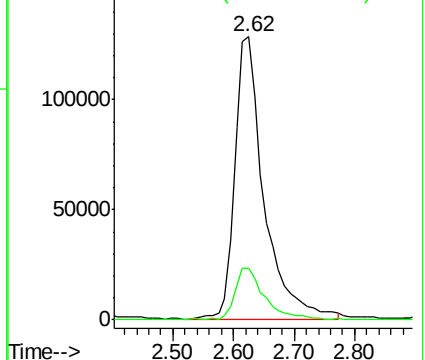
Ion Ratio Lower Upper

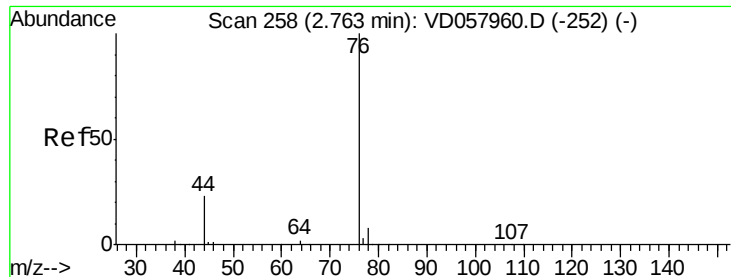
43 100

58 18.2 15.8 23.8



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

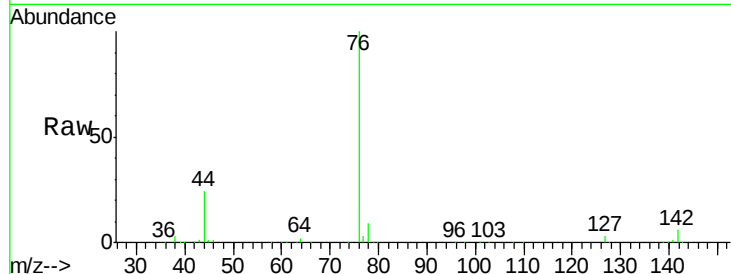




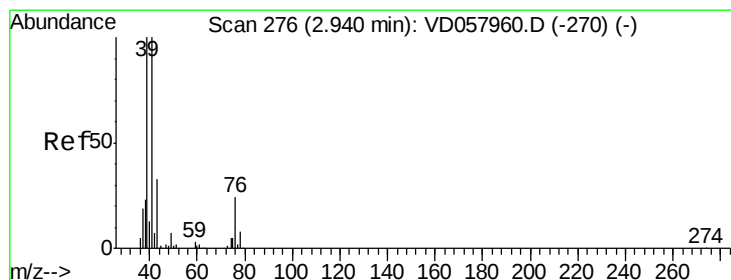
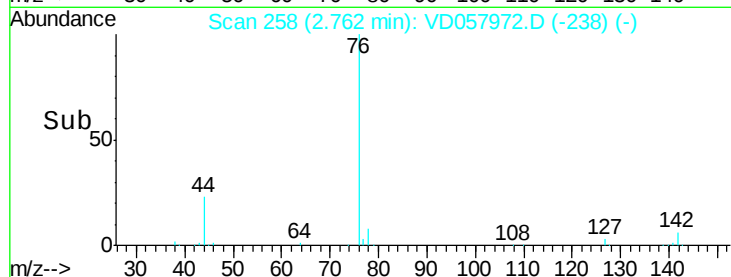
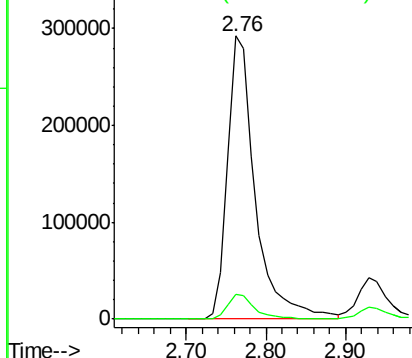
#17
Carbon Disulfide
Concen: 57.084 ug/l
RT: 2.76 min Scan# 258
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion: 76 Resp: 718245
Ion Ratio Lower Upper
76 100
78 8.8 6.7 10.1

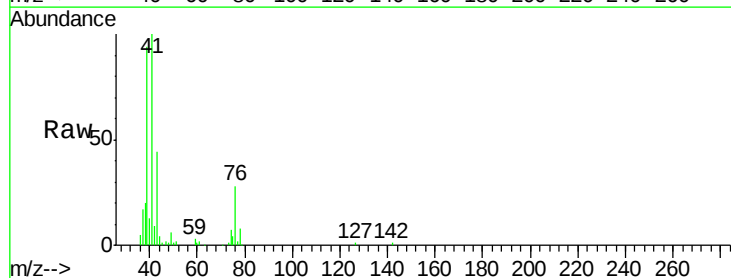


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

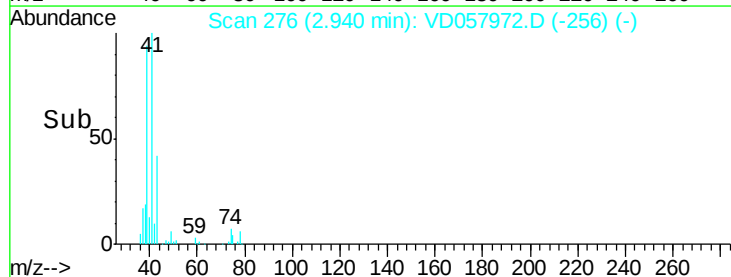
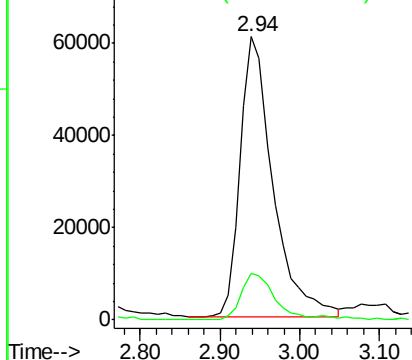


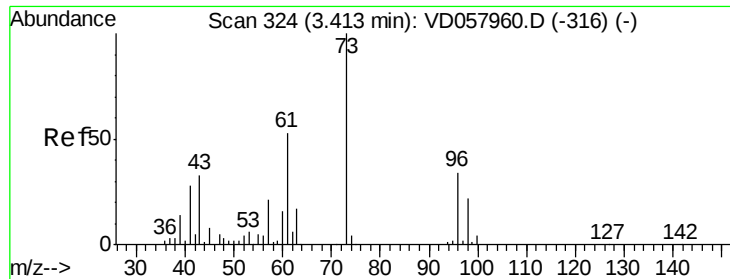
#18
Methyl Acetate
Concen: 71.473 ug/l
RT: 2.94 min Scan# 276
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 43 Resp: 172463
Ion Ratio Lower Upper
43 100
74 16.3 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

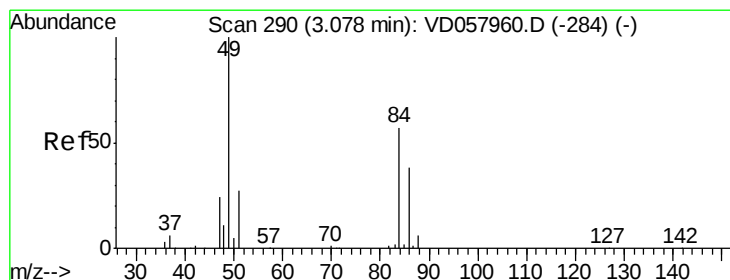
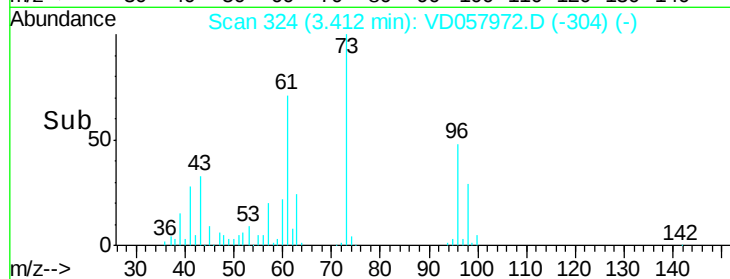
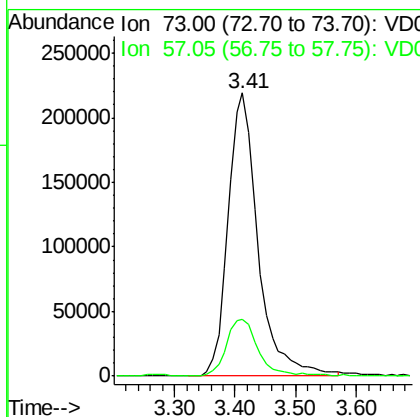
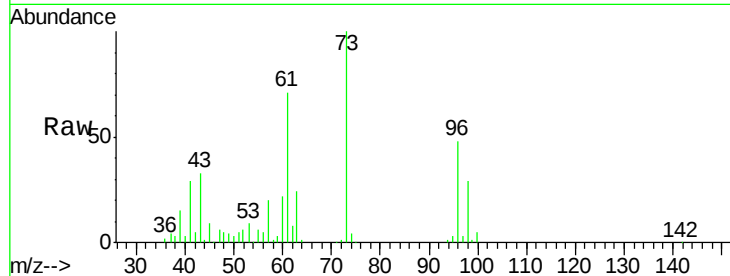




#19
Methyl tert-butyl Ether
Concen: 49.223 ug/l
RT: 3.41 min Scan# 324
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

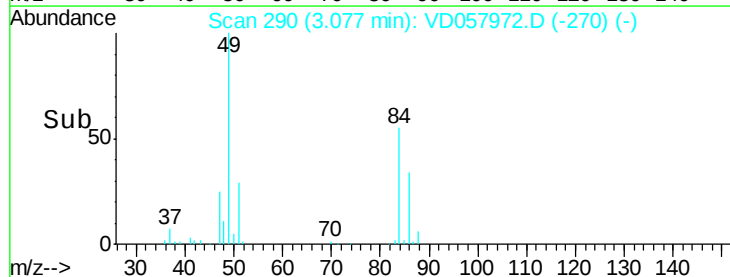
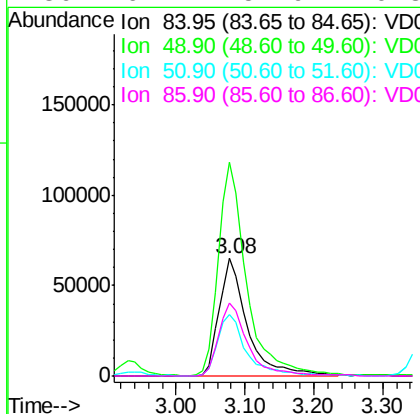
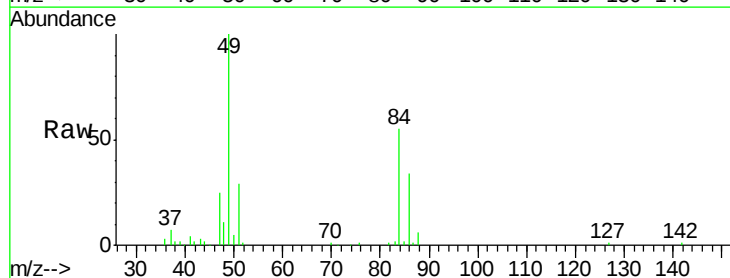
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

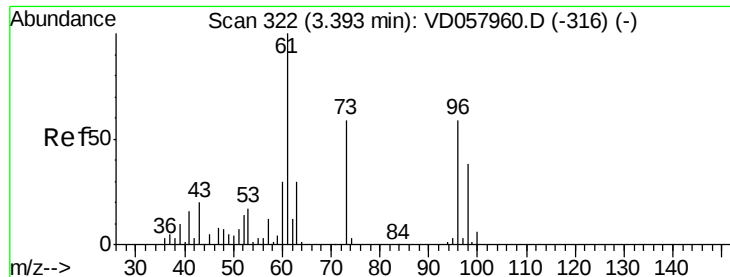
Tot Ion: 73 Resp: 752252
Ion Ratio Lower Upper
73 100
57 20.0 16.7 25.1



#20
Methylene Chloride
Concen: 54.172 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 84 Resp: 183869
Ion Ratio Lower Upper
84 100
49 181.7 141.4 212.0
51 52.2 38.3 57.5
86 62.1 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 58.684 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

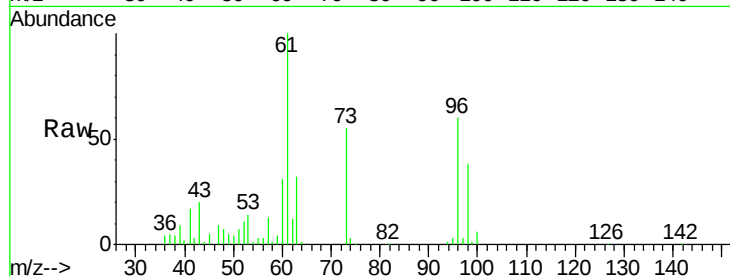
Tot Ion: 96 Resp: 453983

Ion Ratio Lower Upper

96 100

61 167.5 135.2 202.8

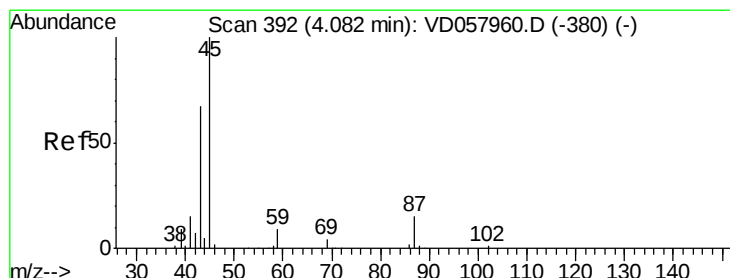
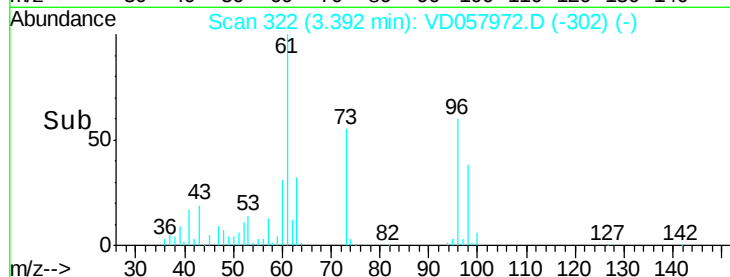
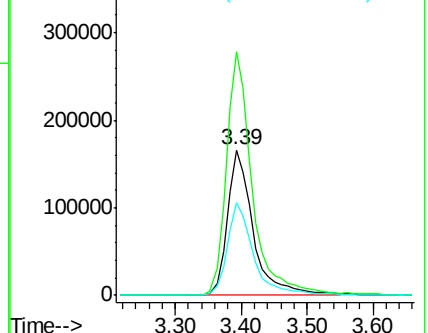
98 63.2 51.7 77.5



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: 52.460 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Tgt Ion: 45 Resp: 1665156

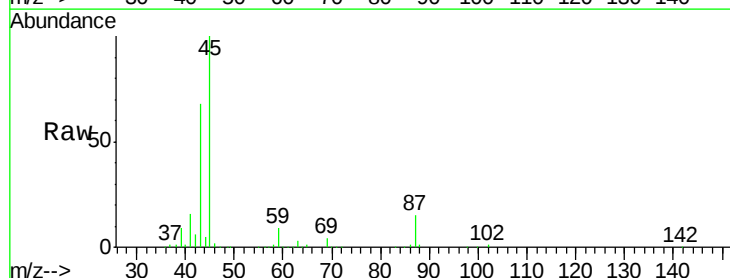
Ion Ratio Lower Upper

45 100

43 68.4 53.8 80.8

87 15.4 12.5 18.7

59 9.3 7.3 10.9

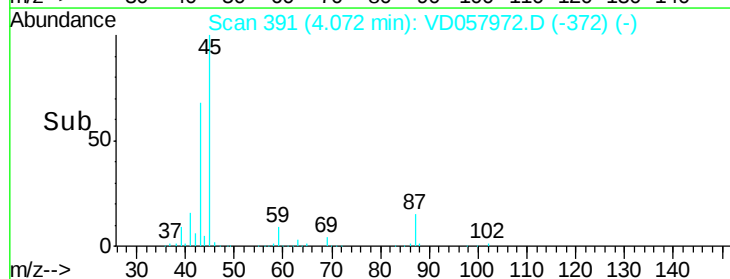
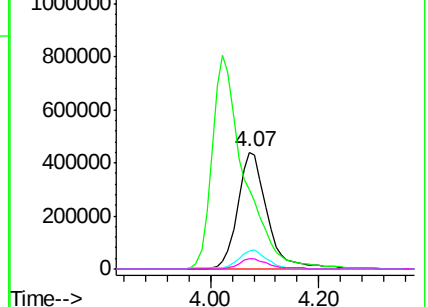


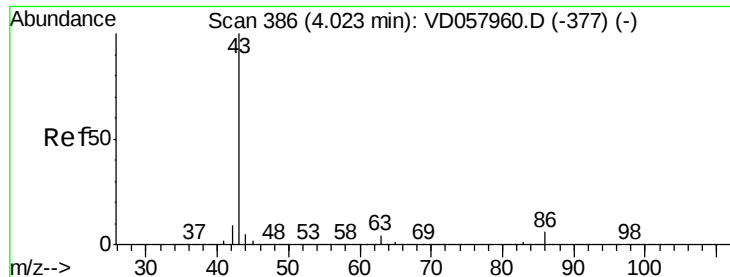
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 200.027 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

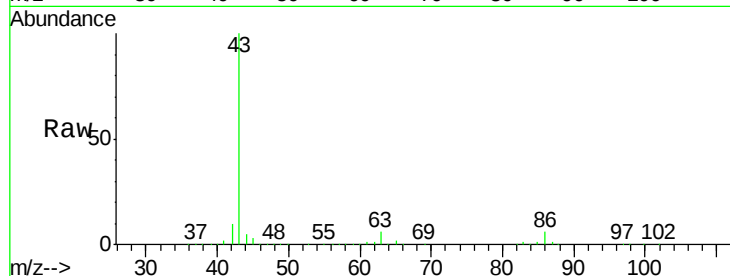
S39-0177MSD

Tot Ion: 43 Resp: 3280453

Ion Ratio Lower Upper

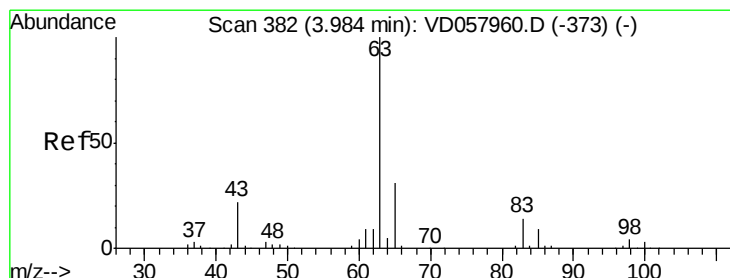
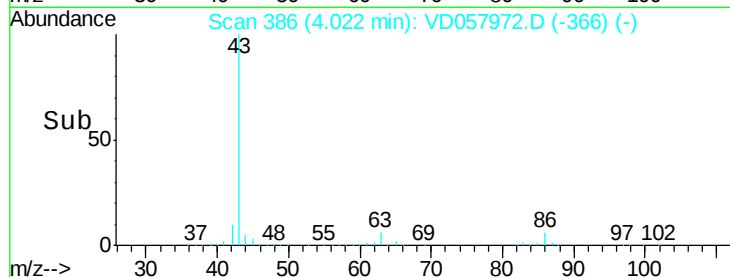
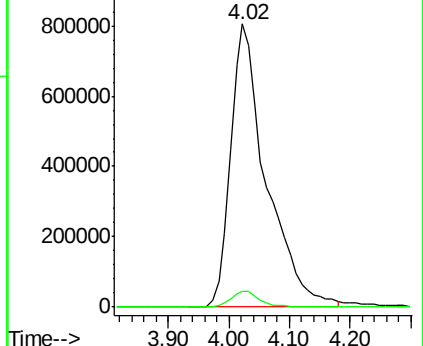
43 100

86 5.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.347 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

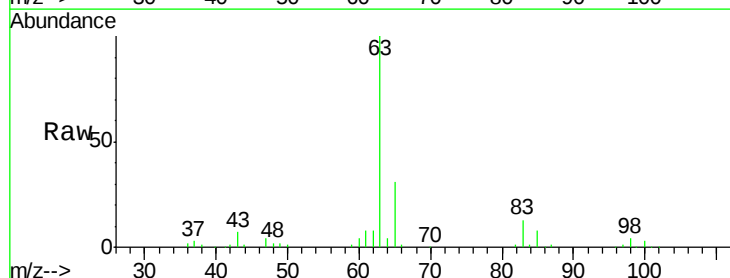
Tgt Ion: 63 Resp: 930623

Ion Ratio Lower Upper

63 100

98 4.3 2.0 5.8

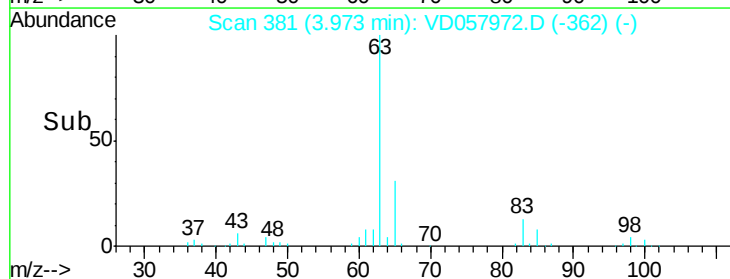
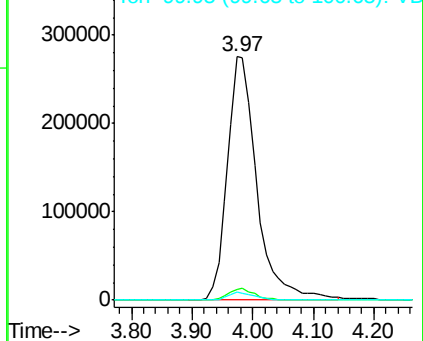
100 3.2 1.4 4.2

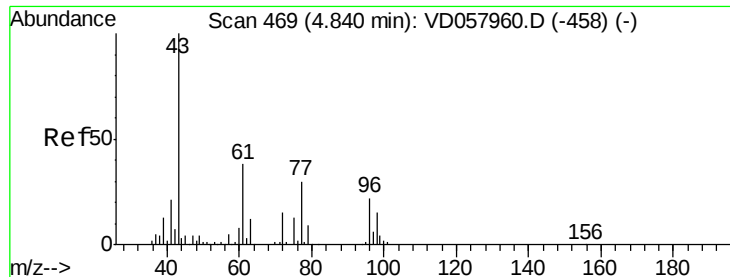


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 238.786 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

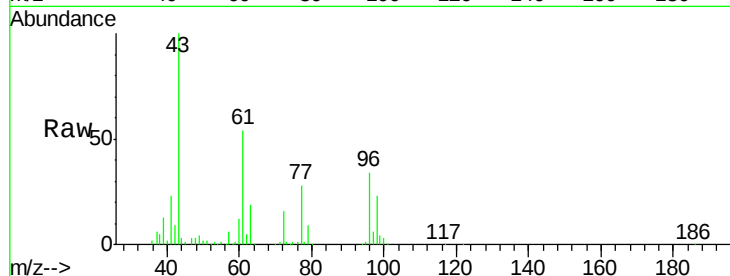
S39-0177MSD

Tot Ion: 43 Resp: 676905

Ion Ratio Lower Upper

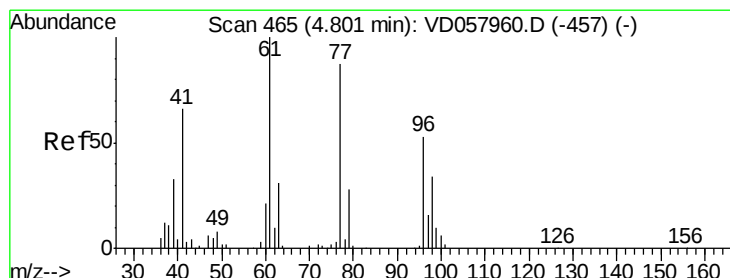
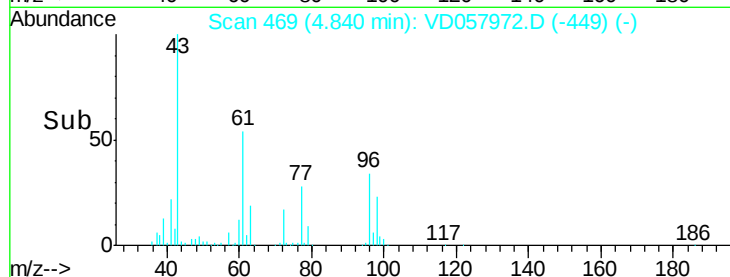
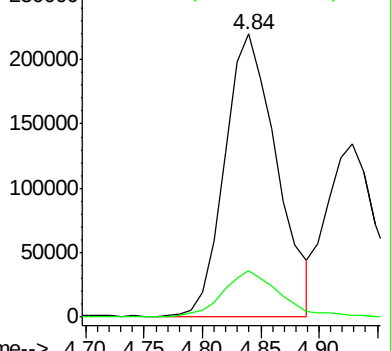
43 100

72 16.4 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: 52.214 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD057972.D

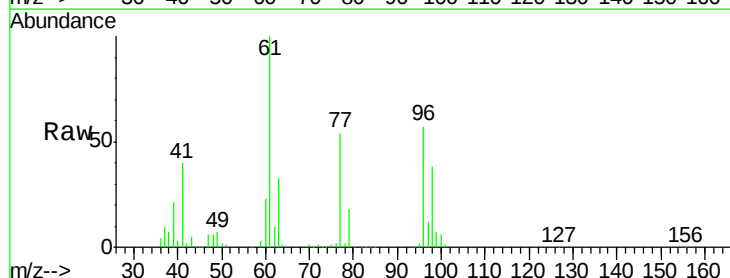
Acq: 7 Jun 2018 15:26

Tgt Ion: 77 Resp: 750339

Ion Ratio Lower Upper

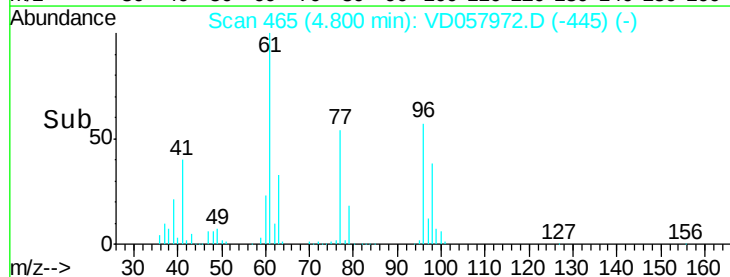
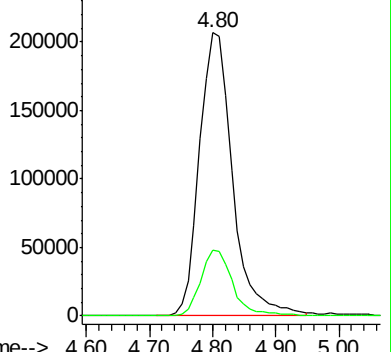
77 100

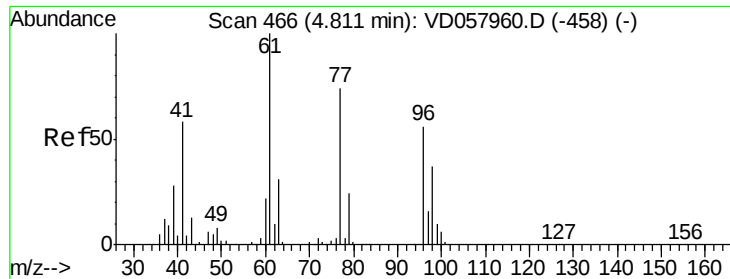
97 23.1 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



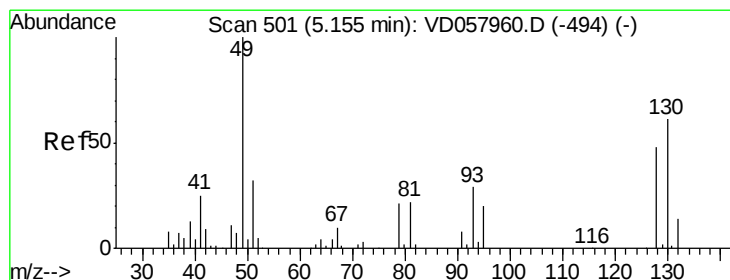
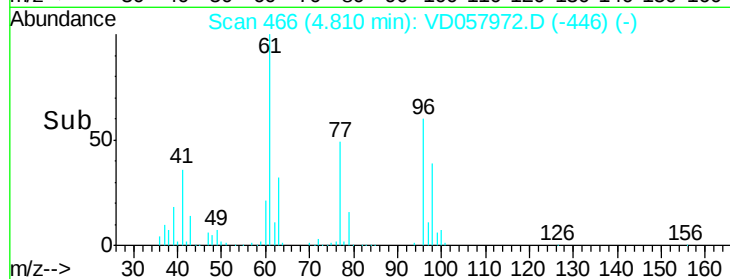
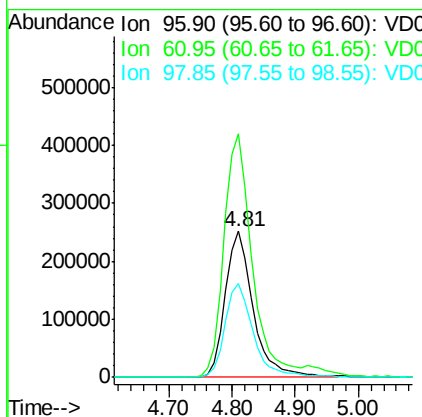
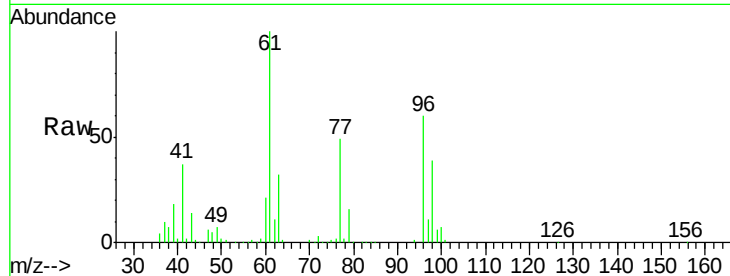


#27

cis-1,2-Dichloroethene
 Concen: 84.234 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

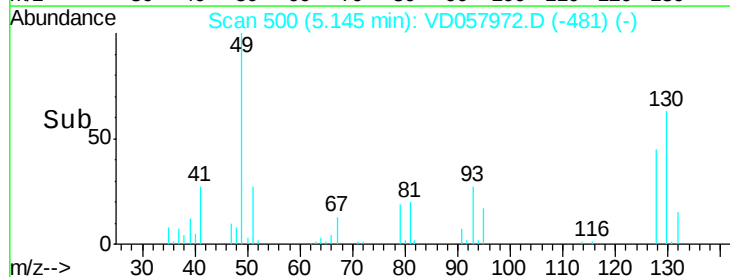
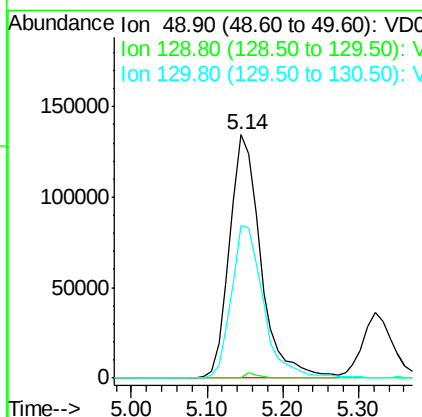
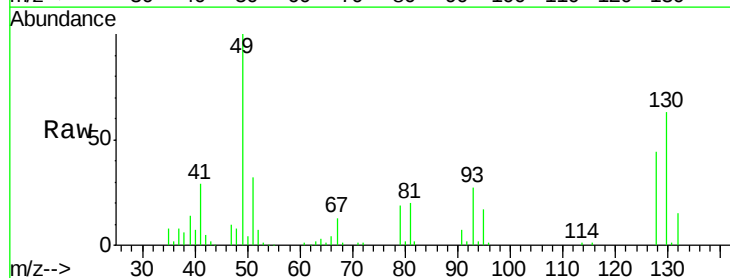
Tot Ion: 96 Resp: 772850
 Ion Ratio Lower Upper
 96 100
 61 166.6 0.0 355.0
 98 64.6 0.0 129.6

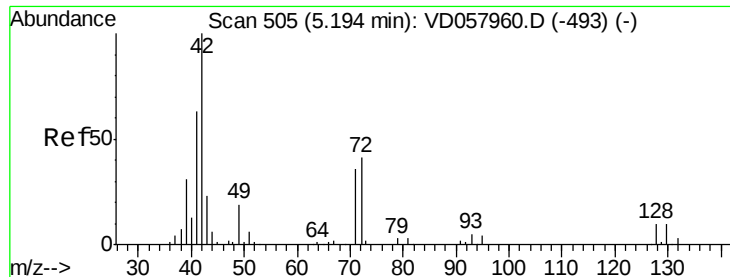


#28

Bromochloromethane
 Concen: 51.001 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion: 49 Resp: 385072
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 62.8 48.8 73.2

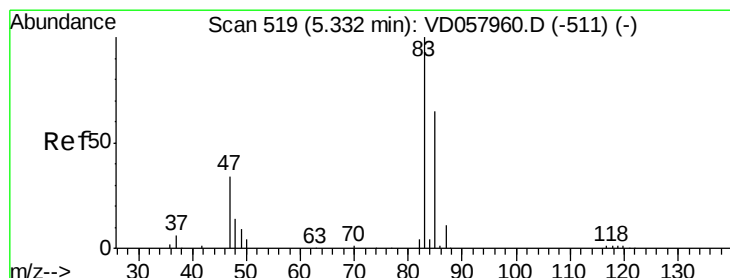
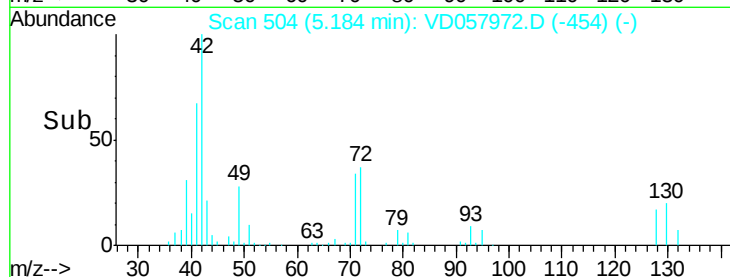
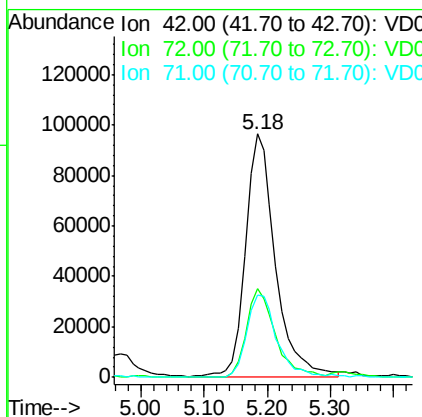
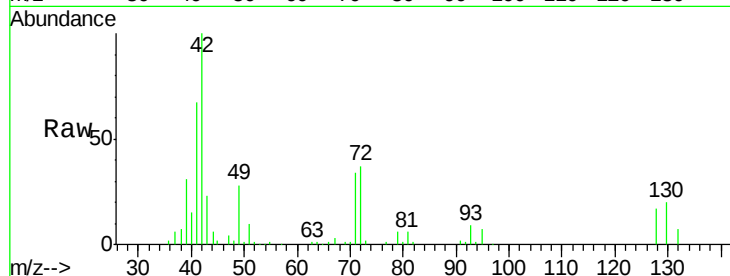




#29
Tetrahydrofuran
Concen: 215.459 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

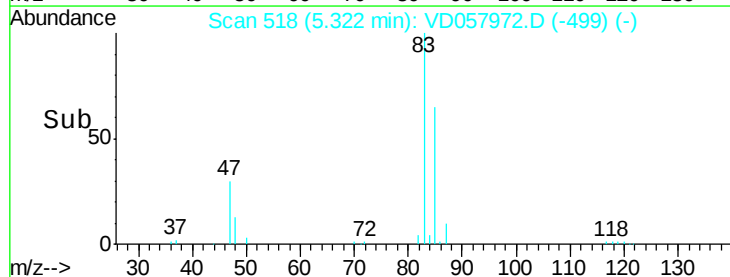
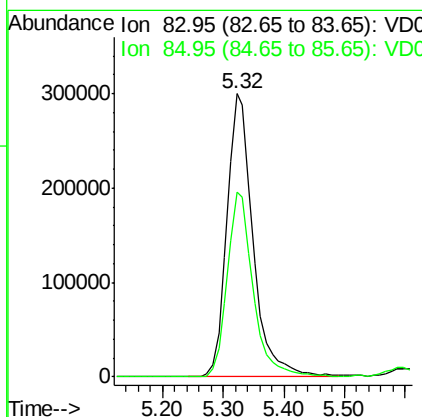
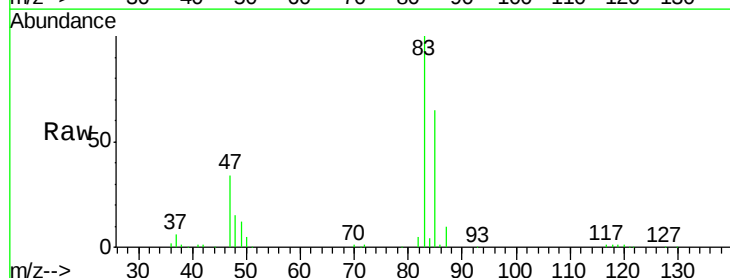
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

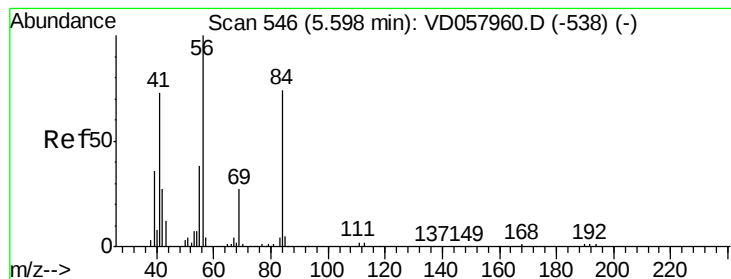
Tot Ion: 42 Resp: 320174
Ion Ratio Lower Upper
42 100
72 35.0 28.5 42.7
71 34.4 27.9 41.9



#30
Chloroform
Concen: 51.118 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 83 Resp: 897463
Ion Ratio Lower Upper
83 100
85 65.3 51.6 77.4





#31

Cyclohexane

Concen: 43.337 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

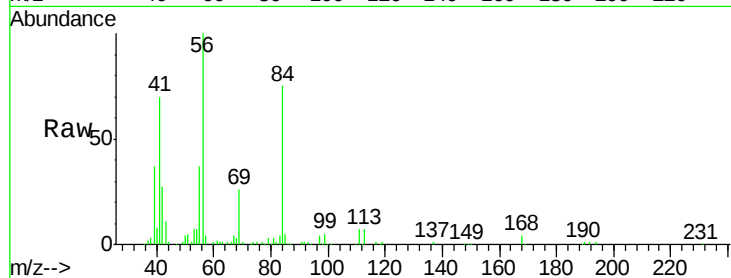
Tot Ion: 56 Resp: 652424

Ion Ratio Lower Upper

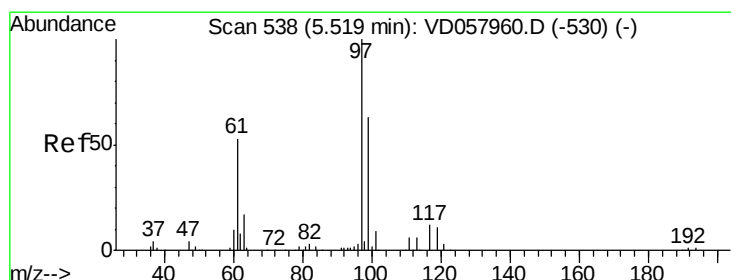
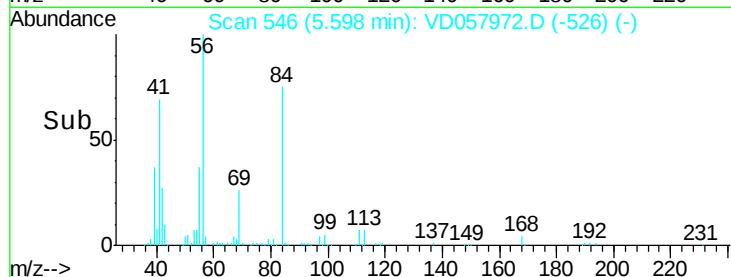
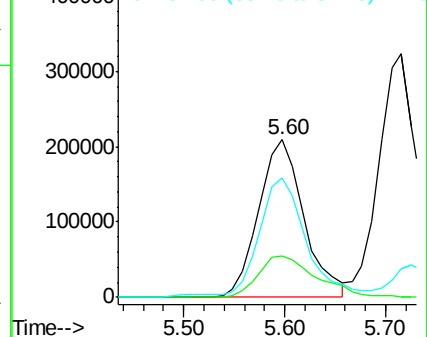
56 100

69 26.2 21.5 32.3

84 75.5 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: 52.698 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

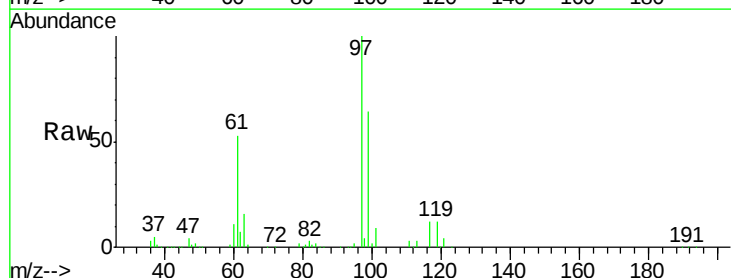
Tgt Ion: 97 Resp: 774669

Ion Ratio Lower Upper

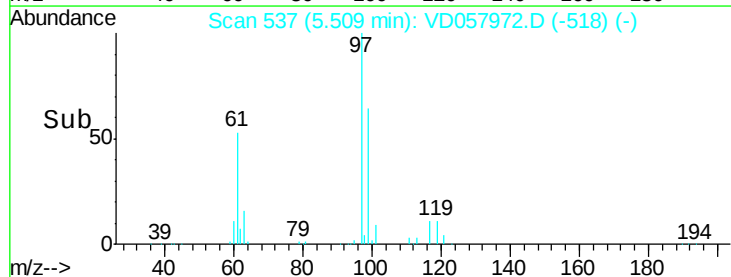
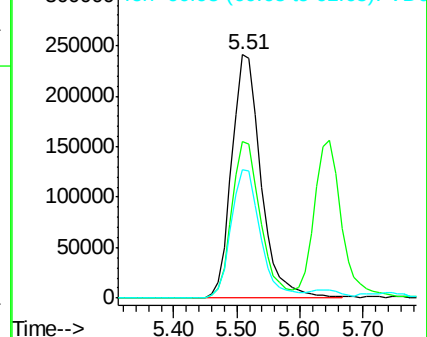
97 100

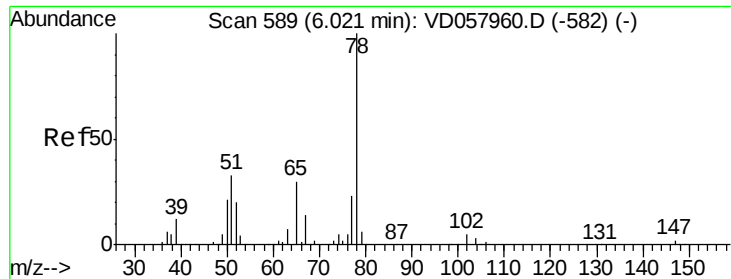
99 64.3 50.1 75.1

61 52.7 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

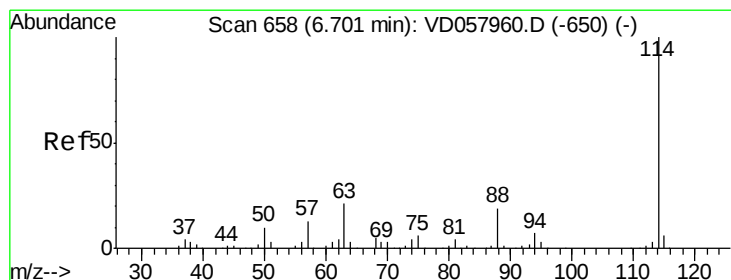
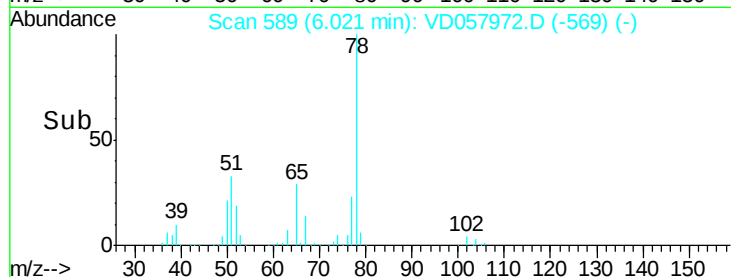
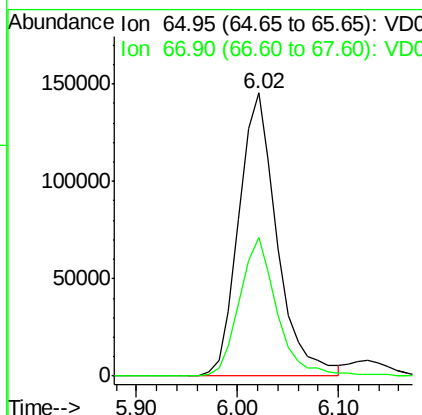
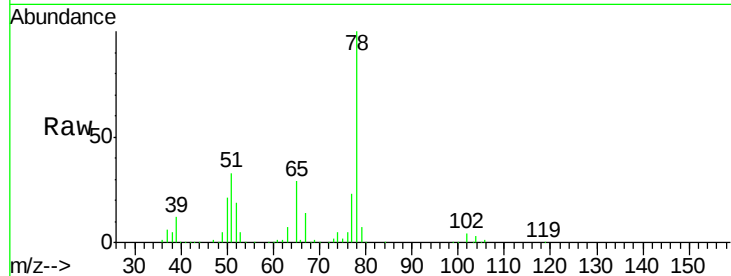




#33
 1,2-Dichloroethane-d4
 Concen: 52.698 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

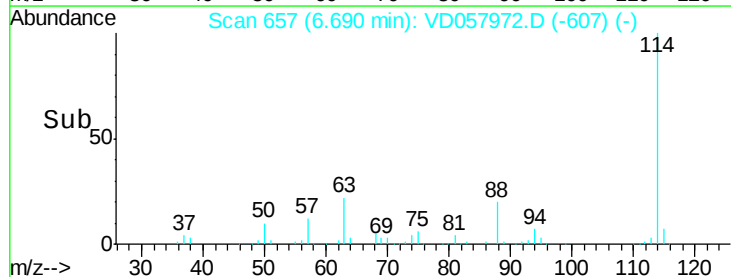
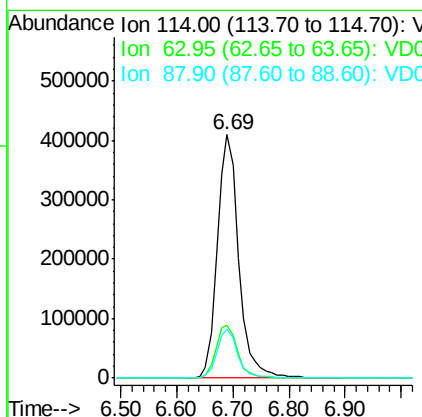
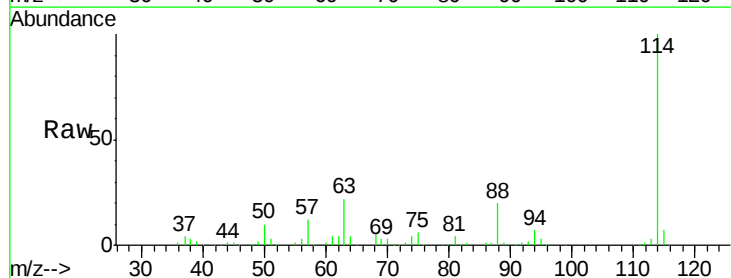
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

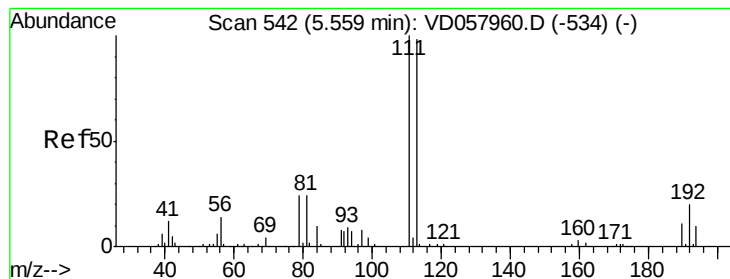
Tot Ion: 65 Resp: 383475
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion: 114 Resp: 1092320
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 20.0 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

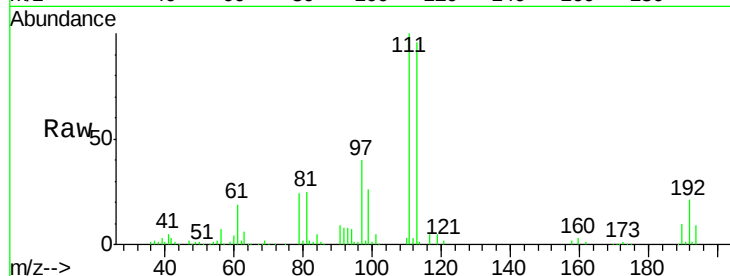
Tot Ion:113 Resp: 430457

Ion Ratio Lower Upper

113 100

111 104.2 81.5 122.3

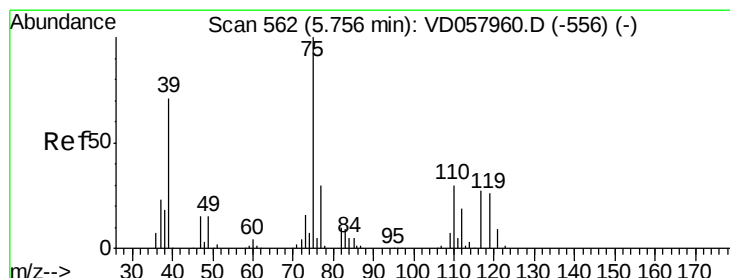
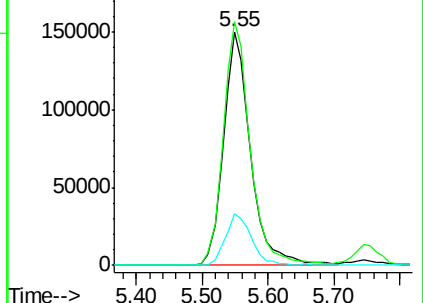
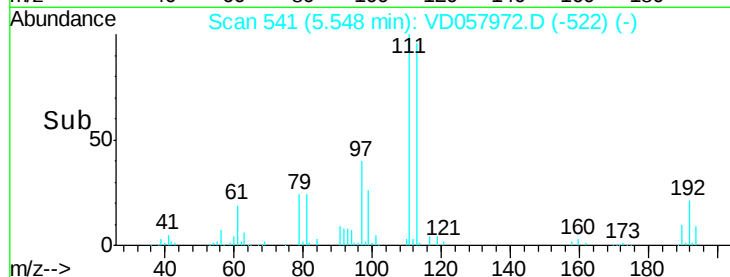
192 21.9 16.4 24.6



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: 53.002 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

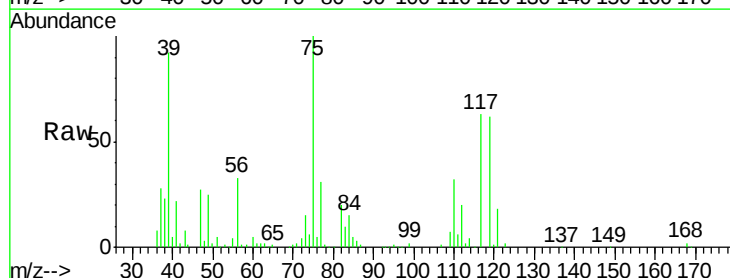
Tgt Ion: 75 Resp: 637848

Ion Ratio Lower Upper

75 100

110 32.4 14.8 44.3

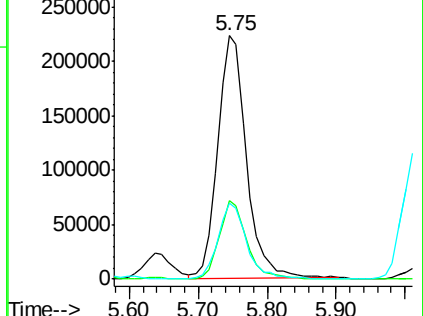
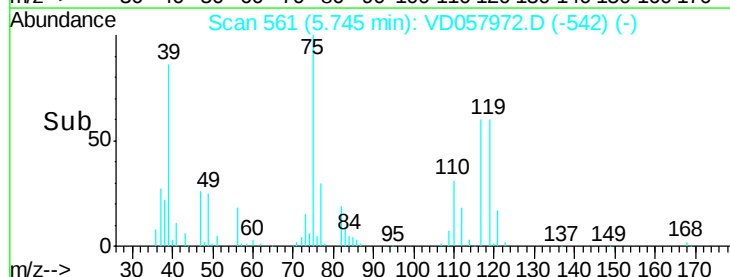
77 30.9 23.9 35.9

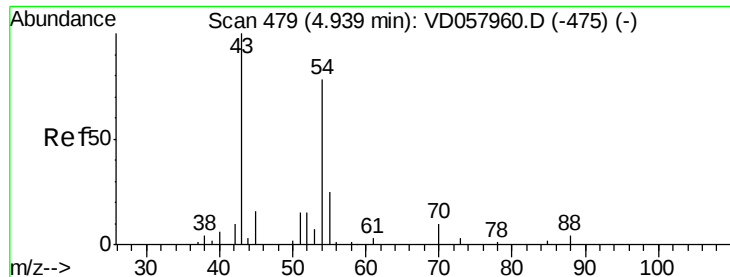


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

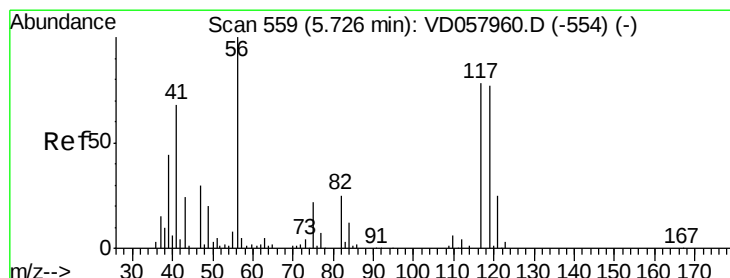
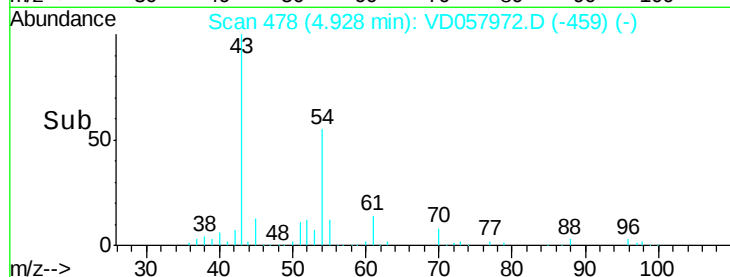
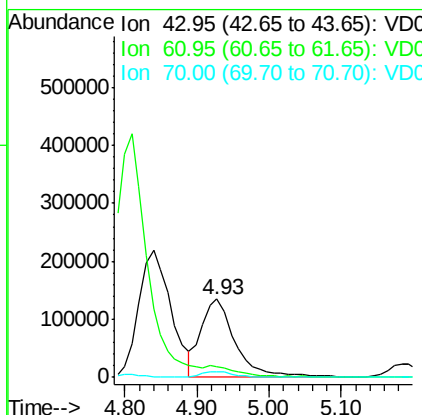
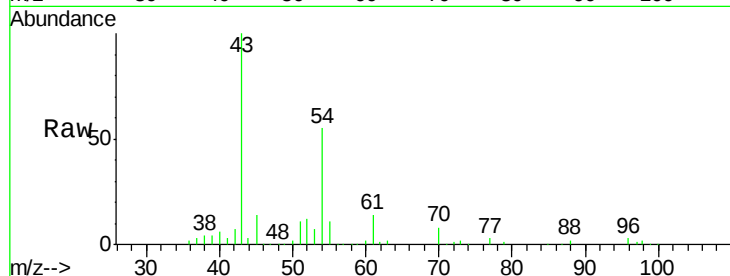




#37
Ethyl Acetate
Concen: 65.212 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

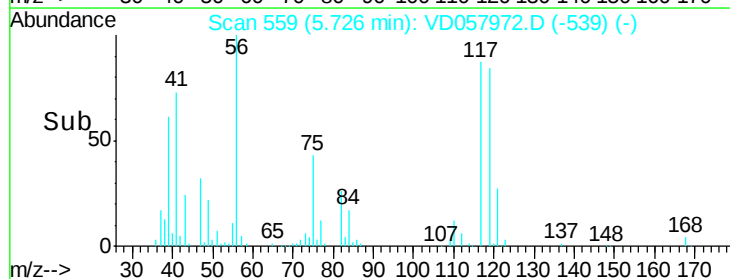
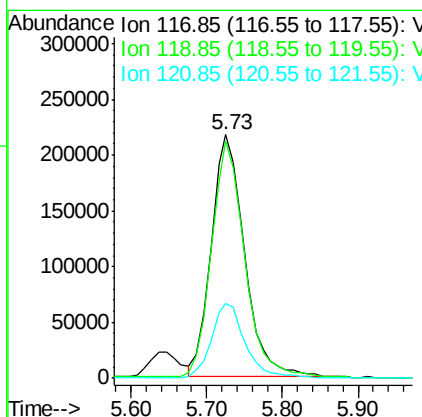
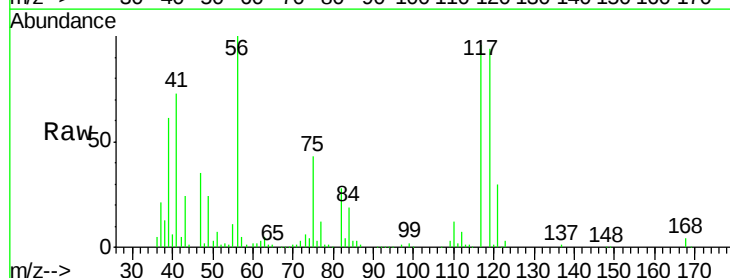
Instrument :
MSVOA_D
ClientSampled :
S39-0177MSD

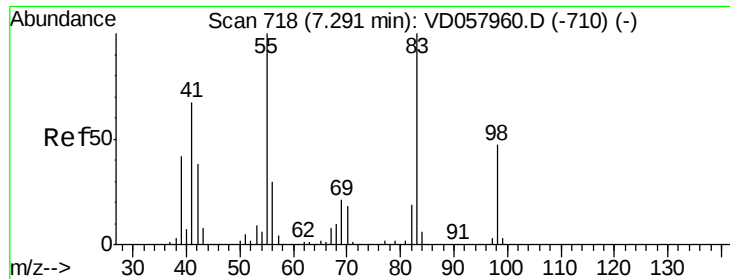
Tot Ion: 43 Resp: 428223
Ion Ratio Lower Upper
43 100
61 14.0 9.9 14.9
70 7.6 5.7 8.5



#38
Carbon Tetrachloride
Concen: 55.924 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 117 Resp: 663281
Ion Ratio Lower Upper
117 100
119 97.6 76.1 114.1
121 30.7 24.9 37.3

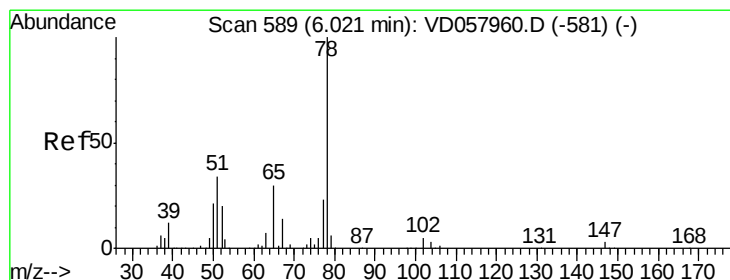
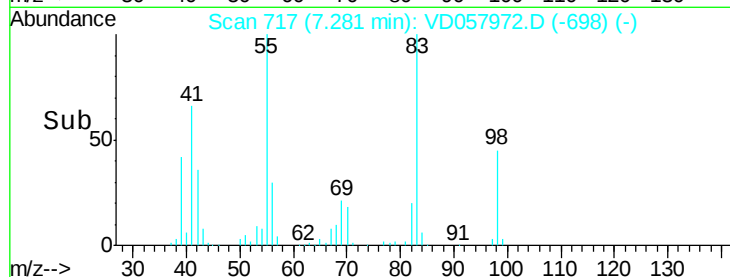
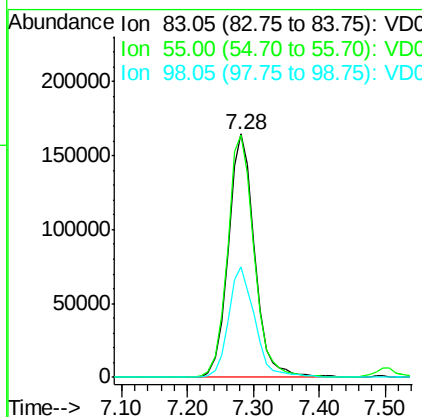
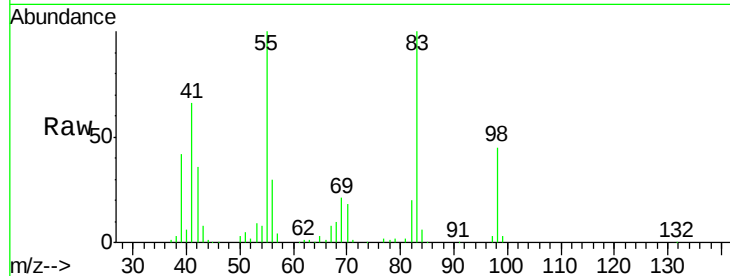




#39
Methvlcvclohexane
Concen: 38.554 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

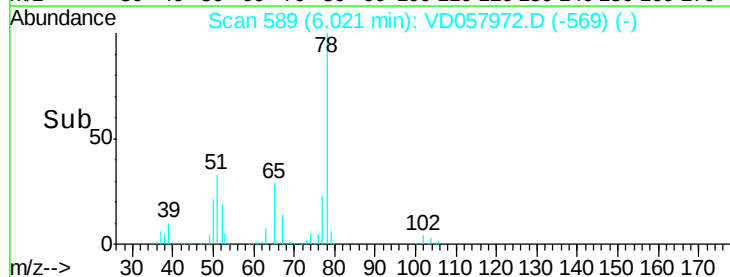
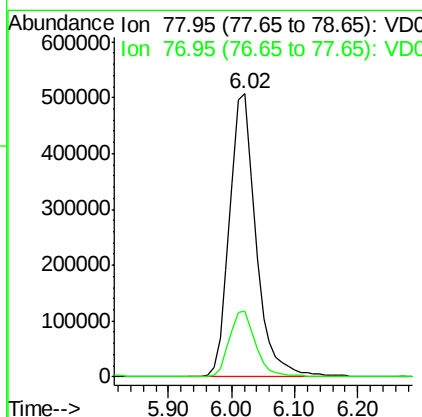
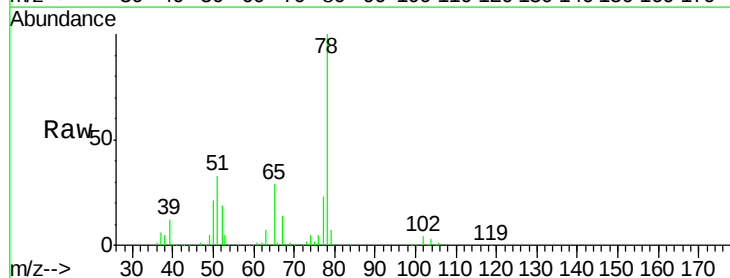
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

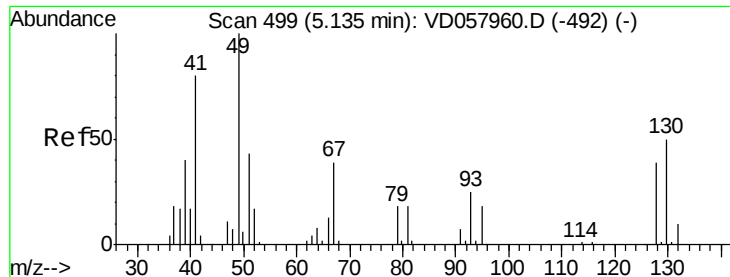
Tot Ion: 83 Resp: 459942
Ion Ratio Lower Upper
83 100
55 99.6 80.3 120.5
98 45.2 38.0 57.0



#40
Benzene
Concen: 52.245 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 78 Resp: 1468790
Ion Ratio Lower Upper
78 100
77 23.4 18.1 27.1

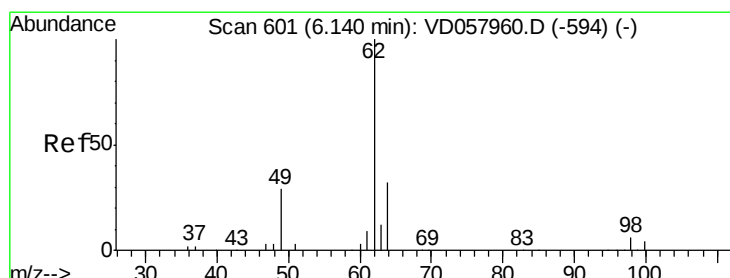
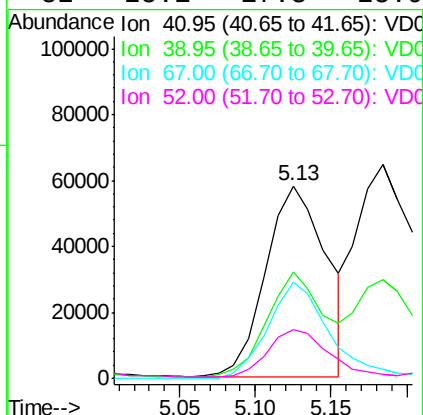
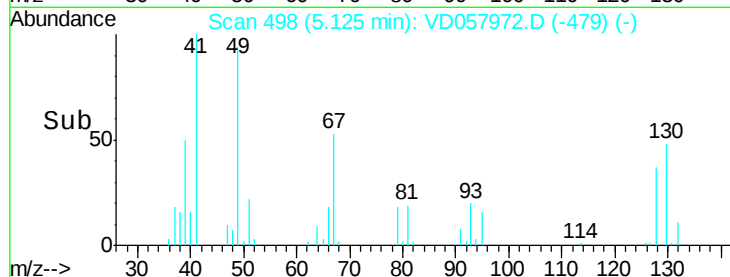
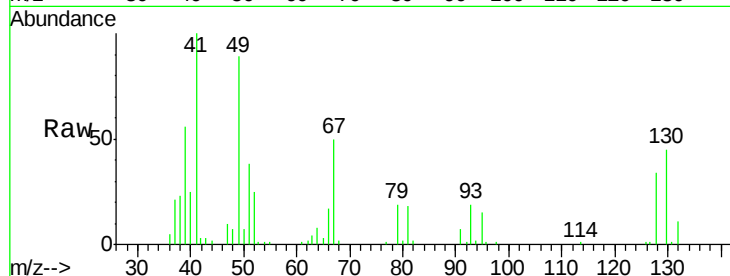




#41
Methacrylonitrile
Concen: 54.014 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

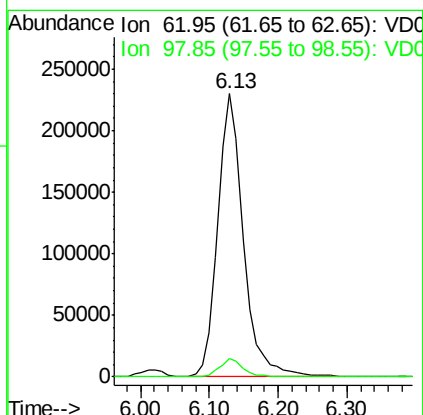
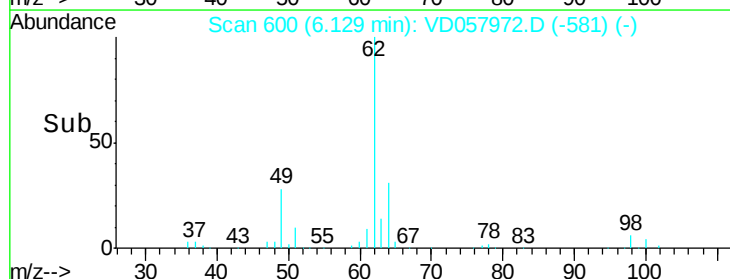
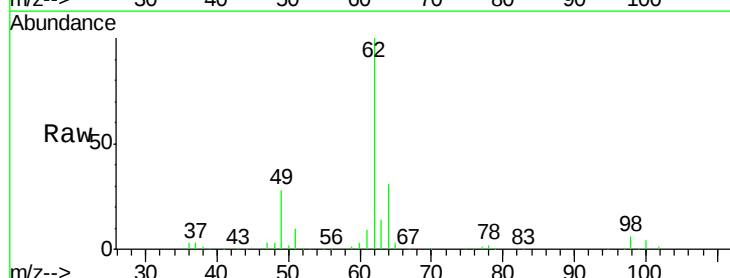
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

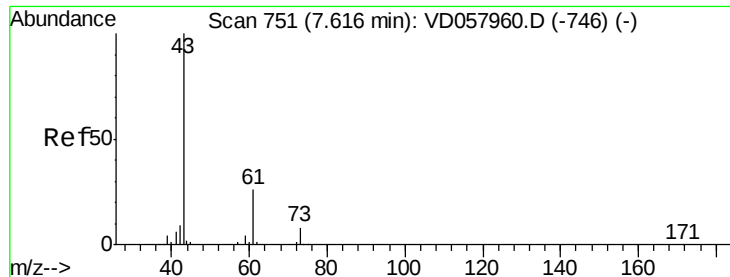
Tot Ion: 41 Resp: 162177
Ion Ratio Lower Upper
41 100
39 55.6 40.7 61.1
67 49.9 38.8 58.2
52 25.1 17.3 25.9



#42
1,2-Dichloroethane
Concen: 51.797 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 62 Resp: 588758
Ion Ratio Lower Upper
62 100
98 6.4 0.0 12.8



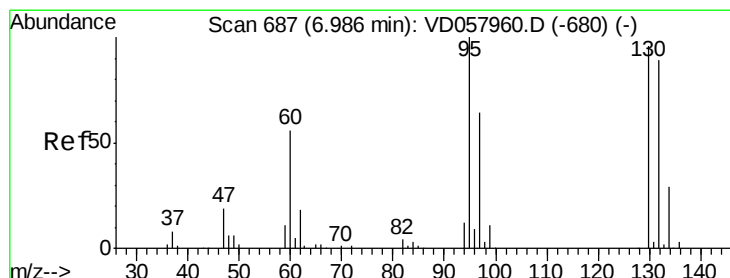
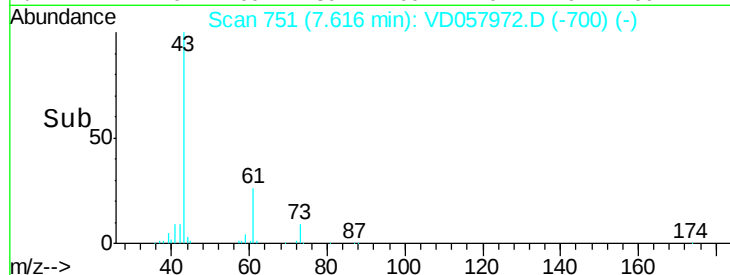
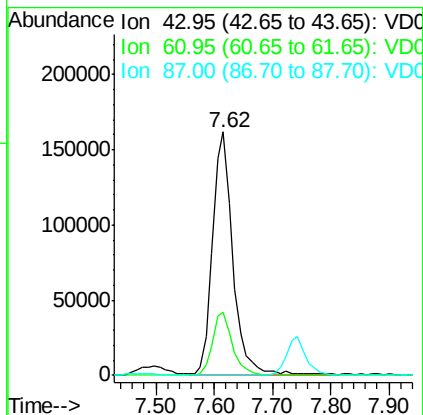
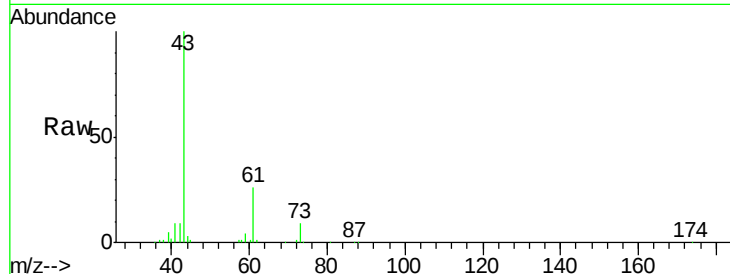


#43

Isopropyl Acetate
 Concen: 45.144 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

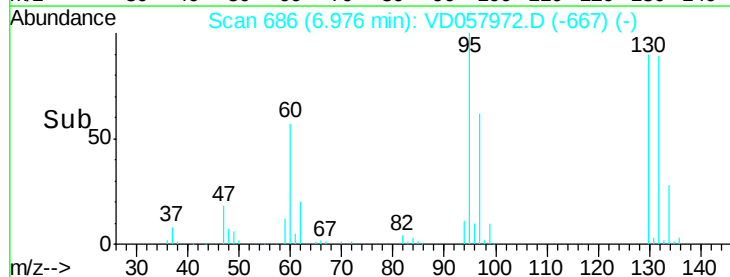
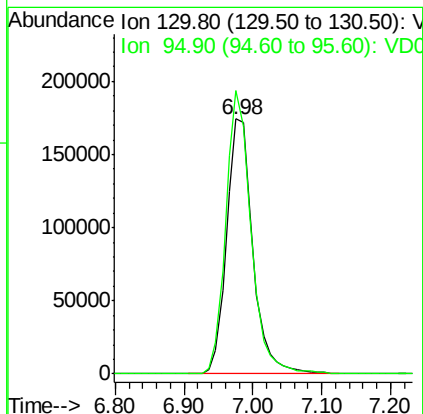
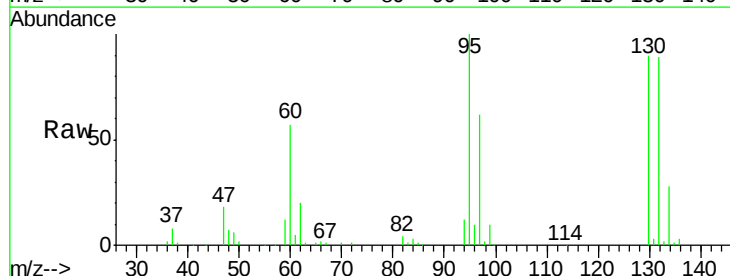
Tot Ion: 43 Resp: 388289
 Ion Ratio Lower Upper
 43 100
 61 25.8 20.6 30.8
 87 0.3 0.2 0.4

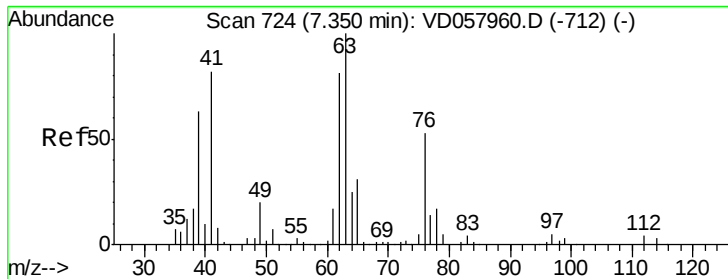


#44

Trichloroethene
 Concen: 55.997 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion:130 Resp: 459831
 Ion Ratio Lower Upper
 130 100
 95 111.1 0.0 207.4





#45

1,2-Dichloropropane

Concen: 49.901 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

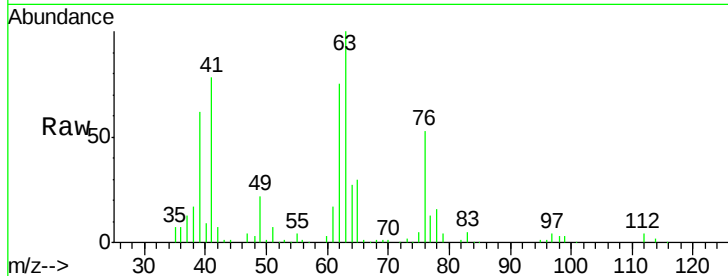
S39-0177MSD

Tot Ion: 63 Resp: 389907

Ion Ratio Lower Upper

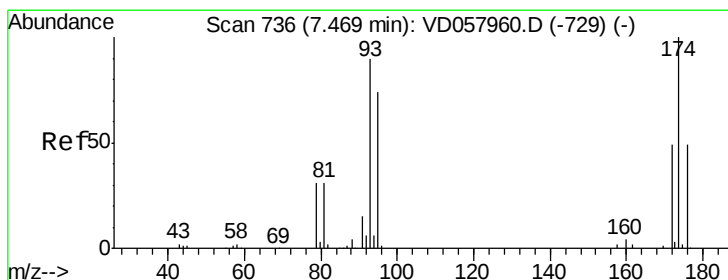
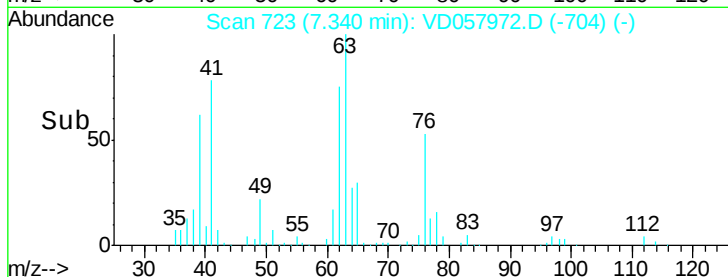
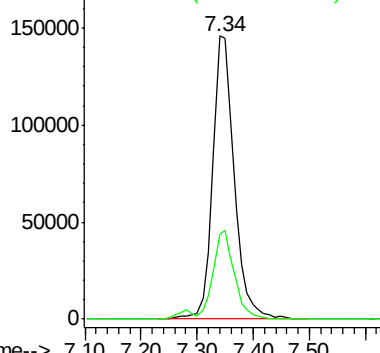
63 100

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: 48.298 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

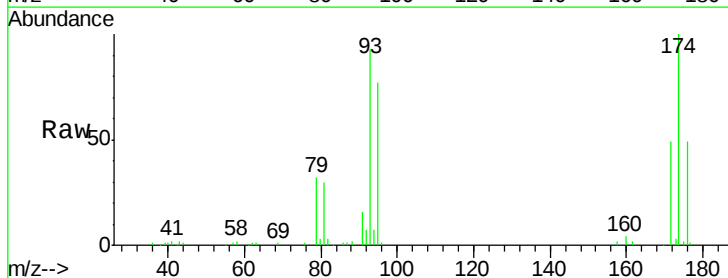
Tgt Ion: 93 Resp: 242430

Ion Ratio Lower Upper

93 100

95 82.3 65.7 98.5

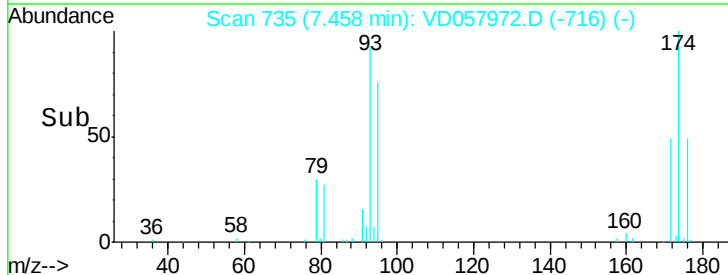
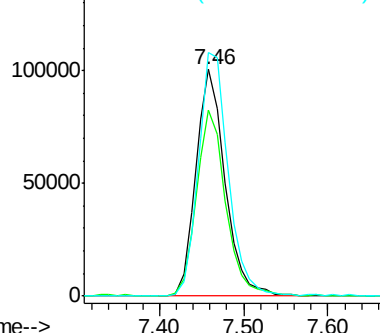
174 107.5 89.0 133.4

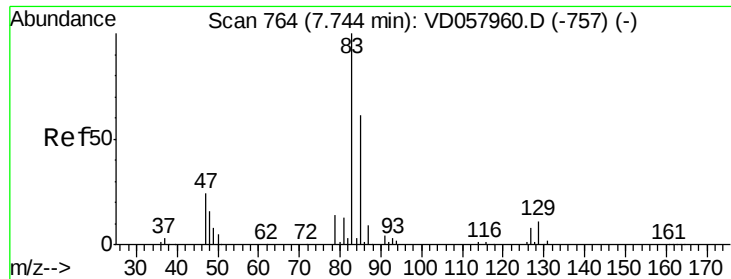


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.169 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

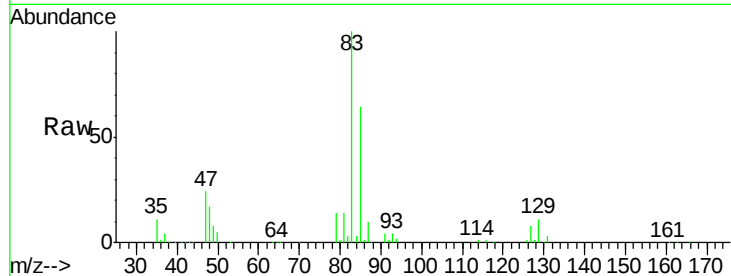
Tot Ion: 83 Resp: 601361

Ion Ratio Lower Upper

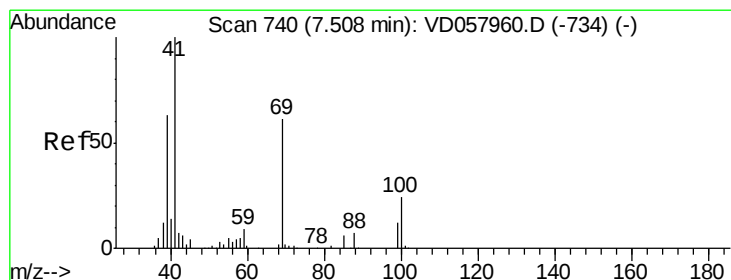
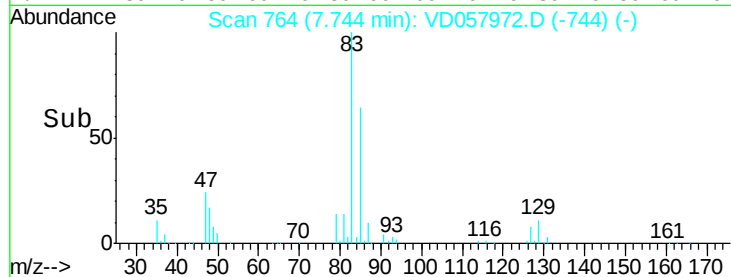
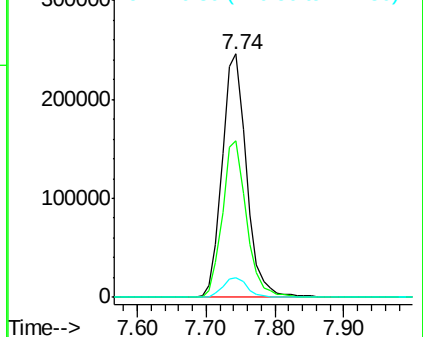
83 100

85 64.4 49.1 73.7

127 8.2 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): VDC



#48

Methyl methacrylate

Concen: 45.418 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

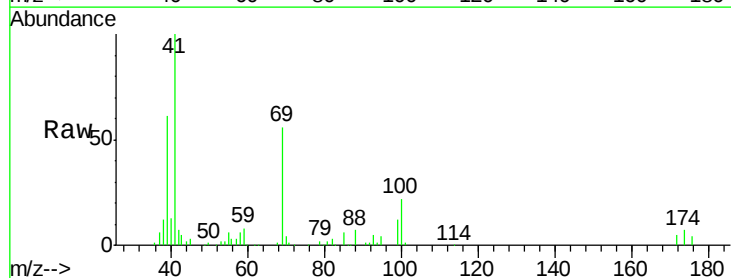
Tgt Ion: 41 Resp: 240442

Ion Ratio Lower Upper

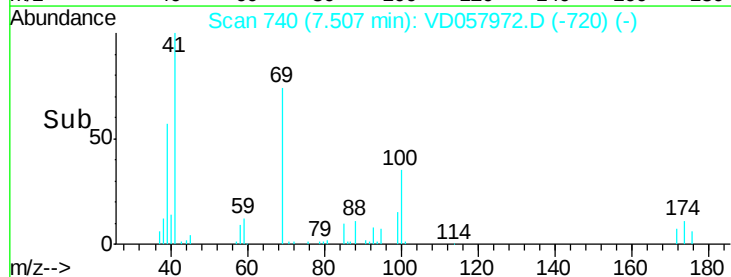
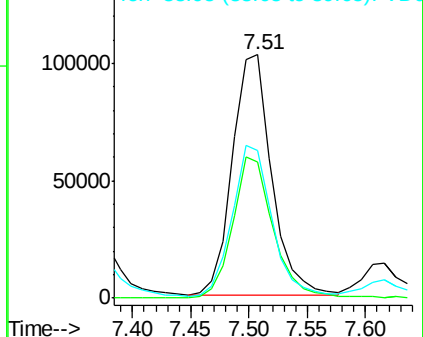
41 100

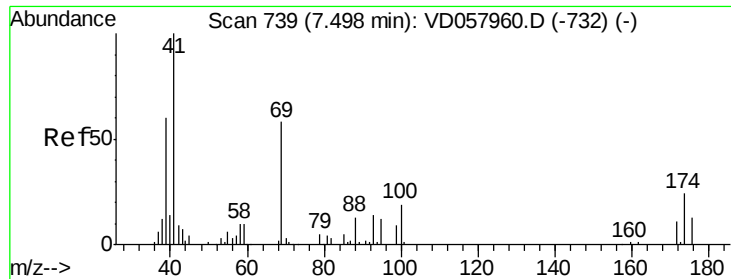
69 56.1 48.0 72.0

39 60.7 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: 851.301 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

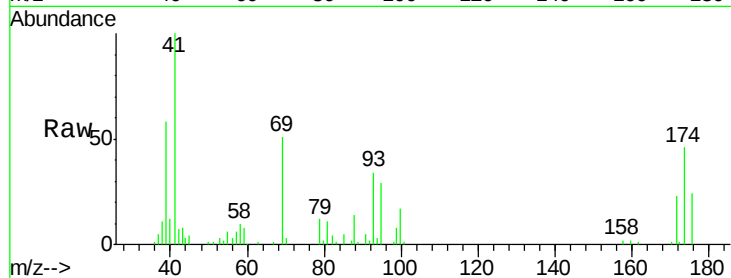
Tot Ion: 88 Resp: 37335

Ion Ratio Lower Upper

88 100

43 54.5 46.6 69.8

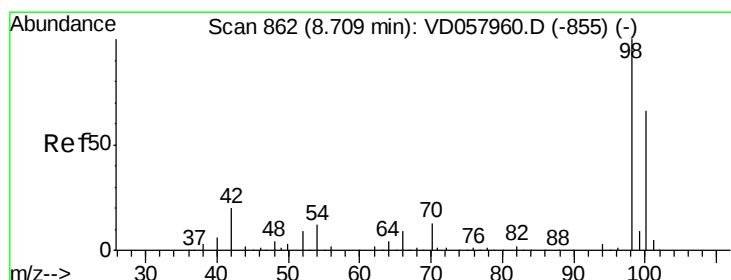
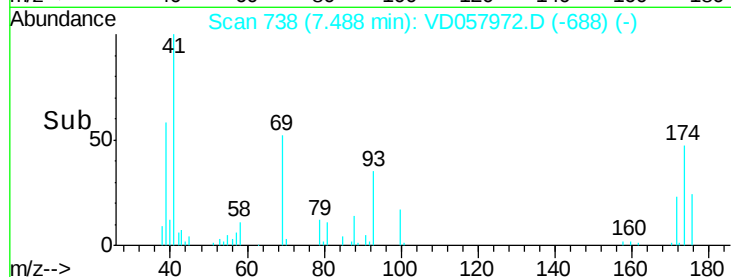
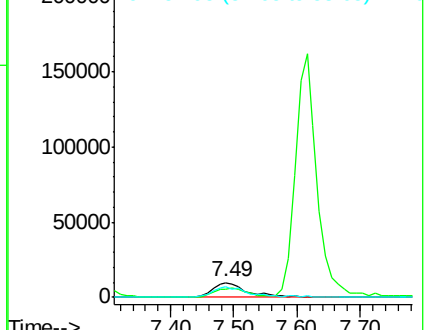
58 74.5 63.6 95.4



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: 851.301 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD057972.D

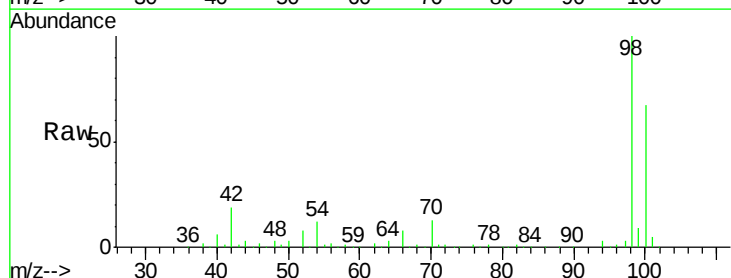
Acq: 7 Jun 2018 15:26

Tgt Ion: 98 Resp: 933947

Ion Ratio Lower Upper

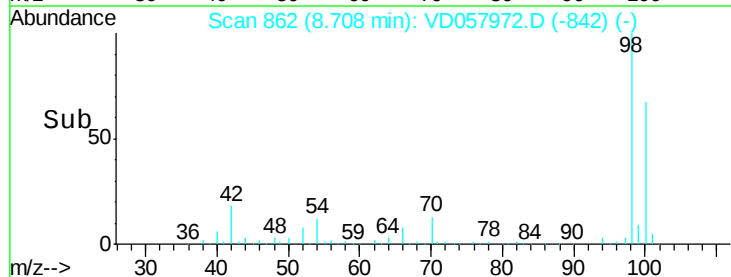
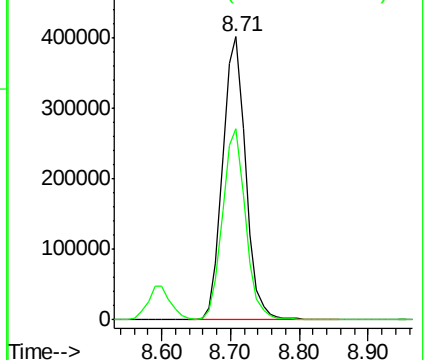
98 100

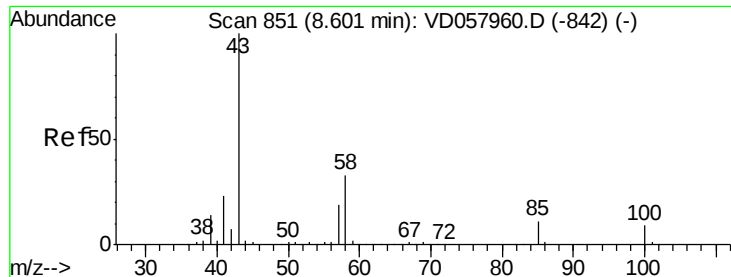
100 67.4 53.4 80.0



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: 228.304 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

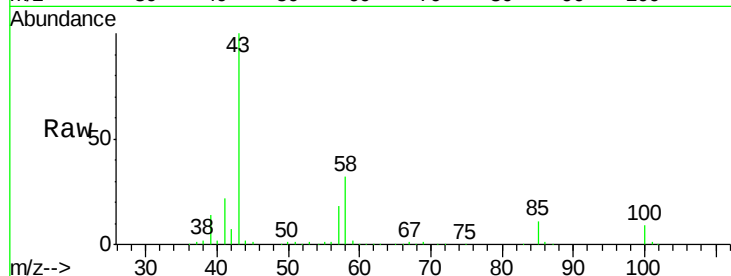
S39-0177MSD

Tot Ion: 43 Resp: 1259529

Ion Ratio Lower Upper

43 100

58 31.9 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

600000

500000

400000

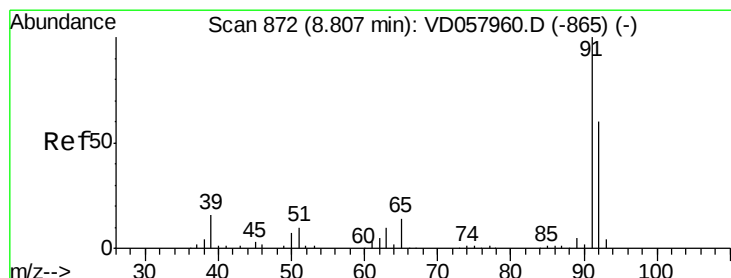
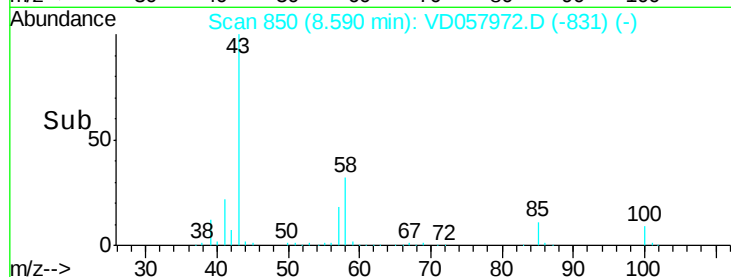
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.711 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD057972.D

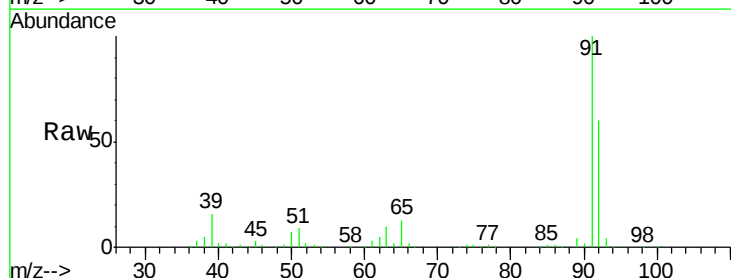
Acq: 7 Jun 2018 15:26

Tgt Ion: 92 Resp: 785934

Ion Ratio Lower Upper

92 100

91 167.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

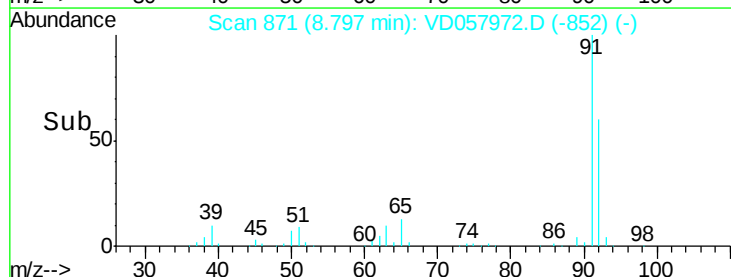
600000

400000

200000

0

Time-->

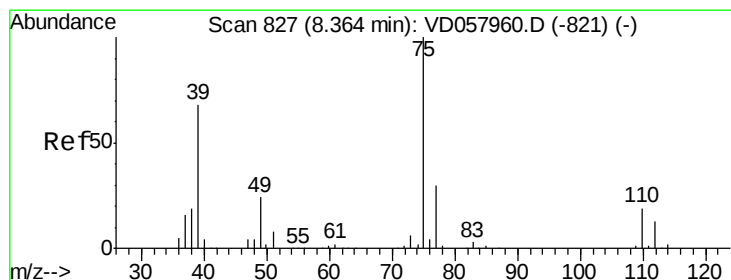
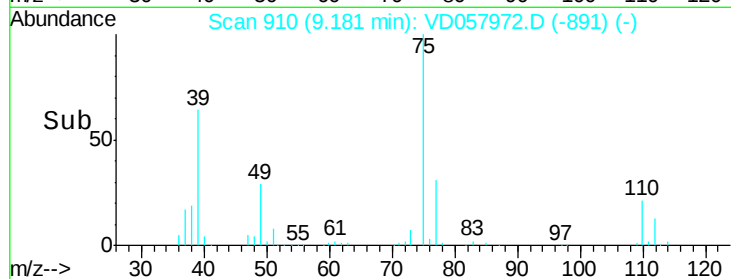
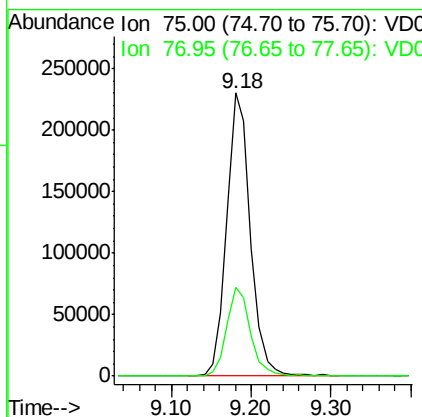
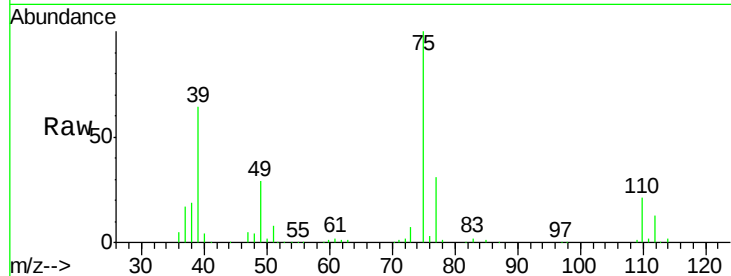




#53
 t-1,3-Dichloropropene
 Concen: 47.451 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

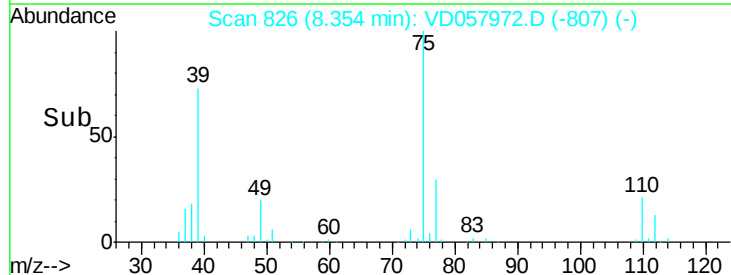
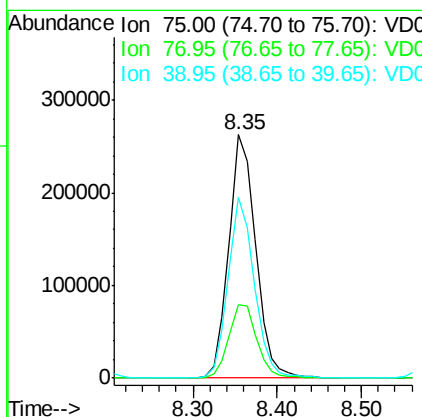
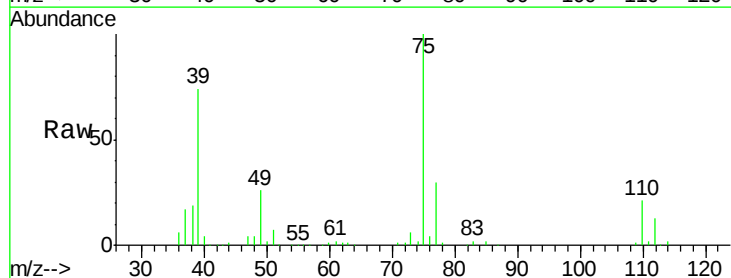
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

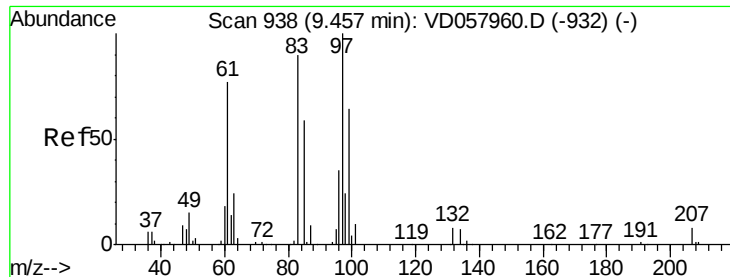
Tot Ion: 75 Resp: 480462
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 49.441 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion: 75 Resp: 589779
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.1 36.1
 39 74.2 54.0 81.0

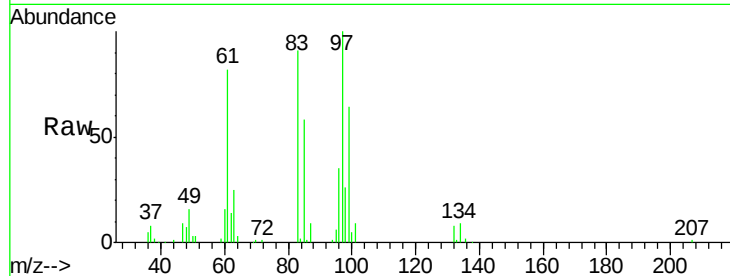




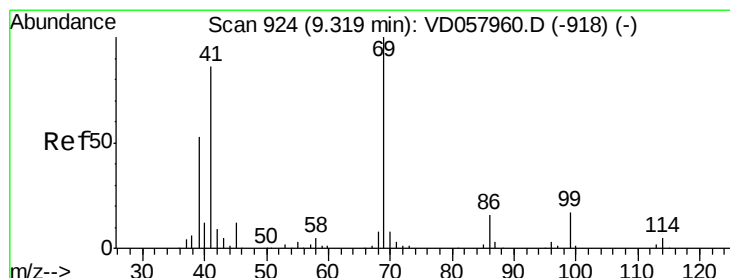
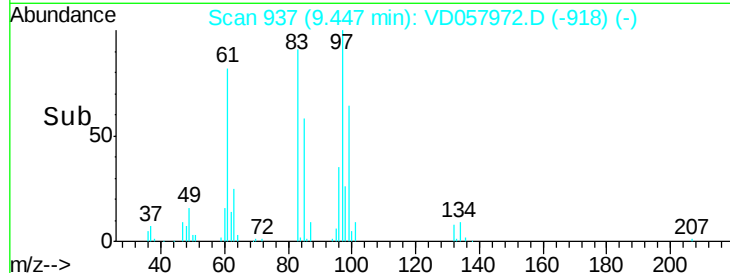
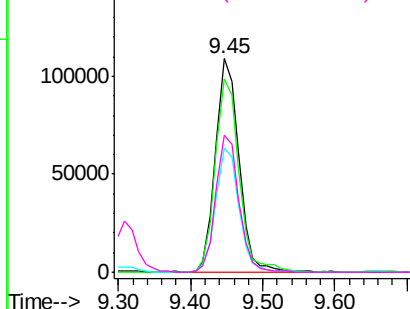
#55
 1,1,2-Trichloroethane
 Concen: 46.851 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

Tot Ion: 97 Resp: 244645
 Ion Ratio Lower Upper
 97 100
 83 90.7 71.8 107.8
 85 58.1 47.2 70.8
 99 63.9 51.4 77.0

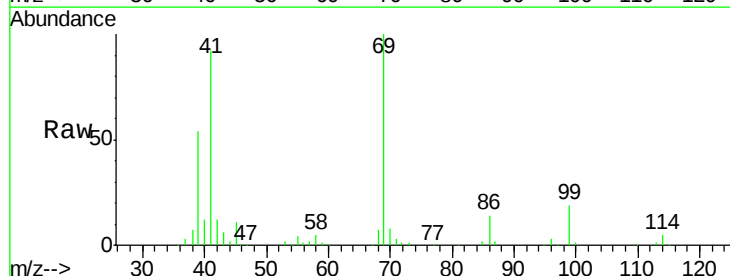


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

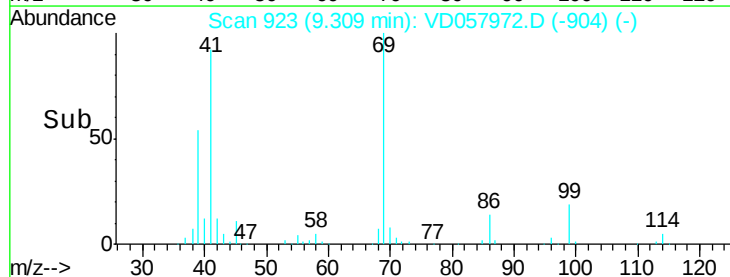
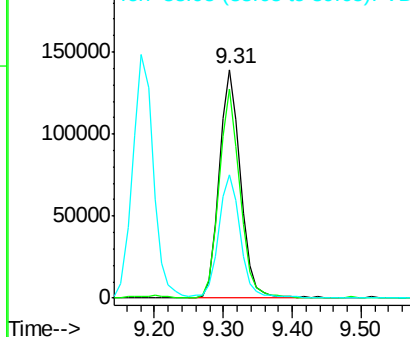


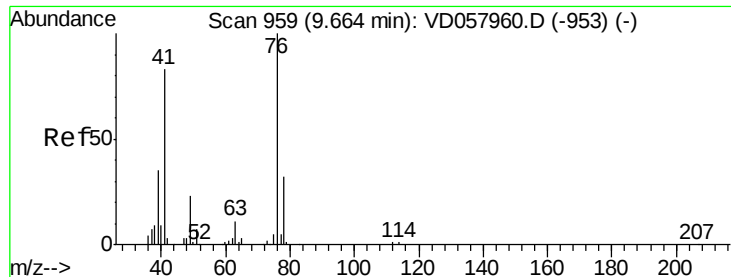
#56
 Ethyl methacrylate
 Concen: 46.588 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion: 69 Resp: 298413
 Ion Ratio Lower Upper
 69 100
 41 91.7 68.4 102.6
 39 53.9 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: 45.944 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

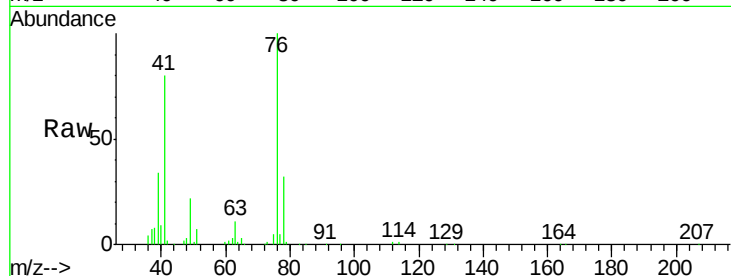
S39-0177MSD

Tot Ion: 76 Resp: 420780

Ion Ratio Lower Upper

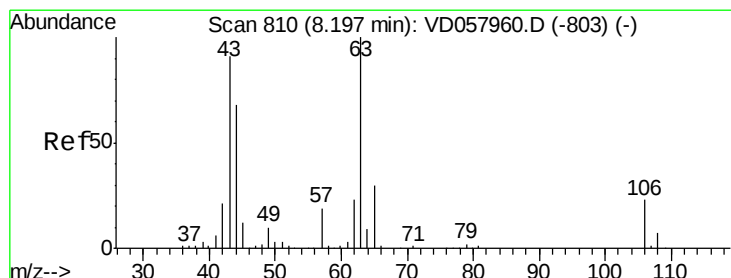
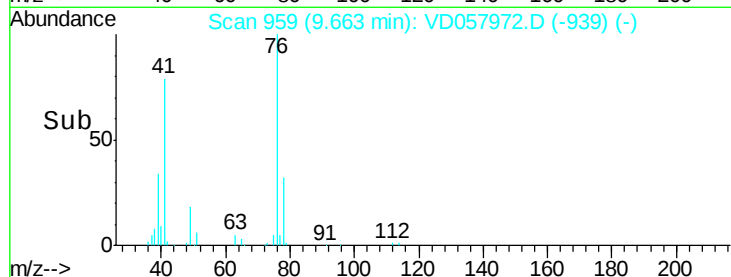
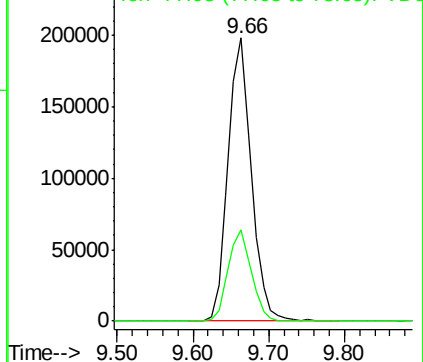
76 100

78 32.4 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: 207.026 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD057972.D

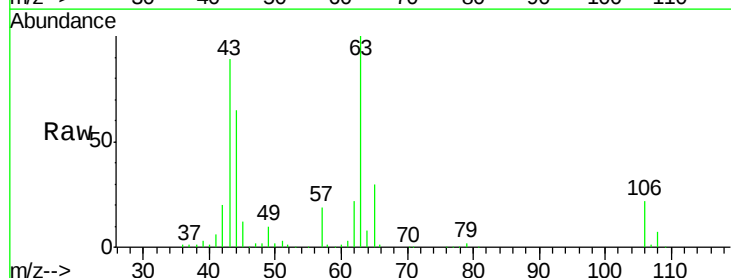
Acq: 7 Jun 2018 15:26

Tgt Ion: 63 Resp: 669970

Ion Ratio Lower Upper

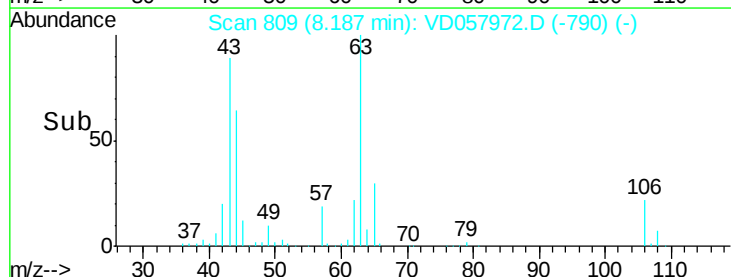
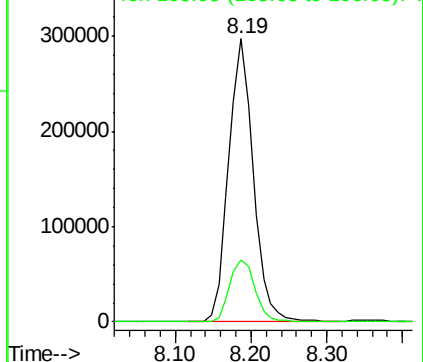
63 100

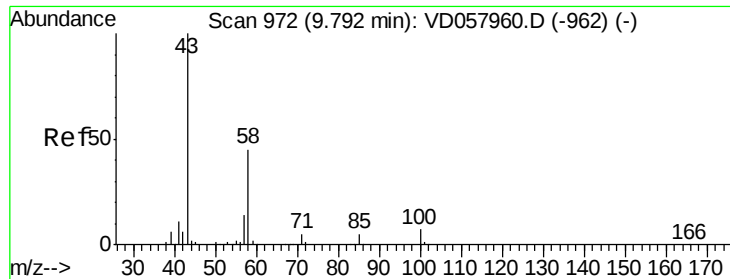
106 21.9 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

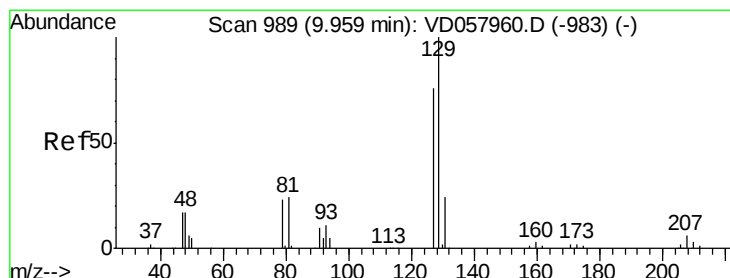
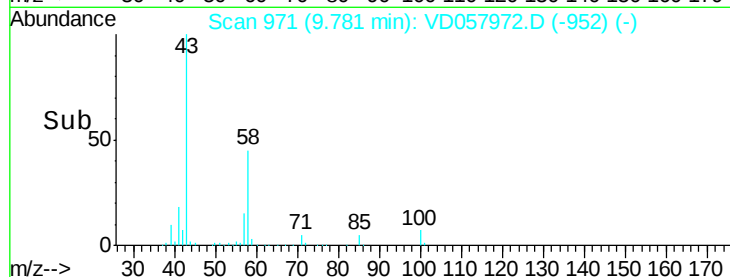
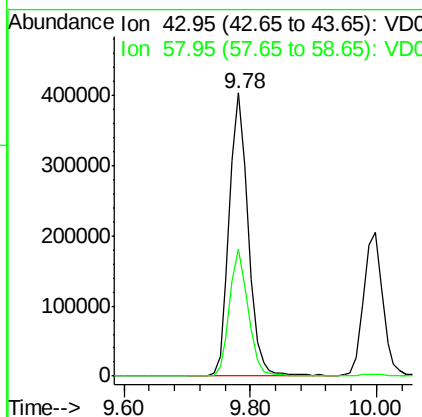
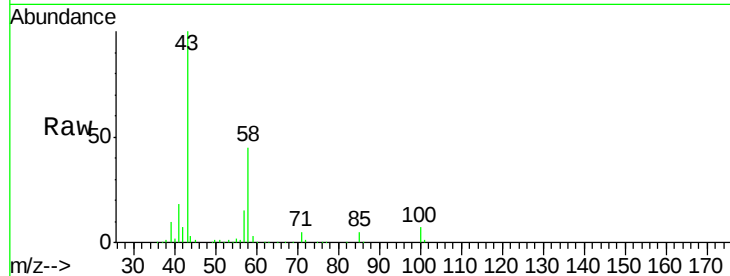




#59
2-Hexanone
Concen: 207.536 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

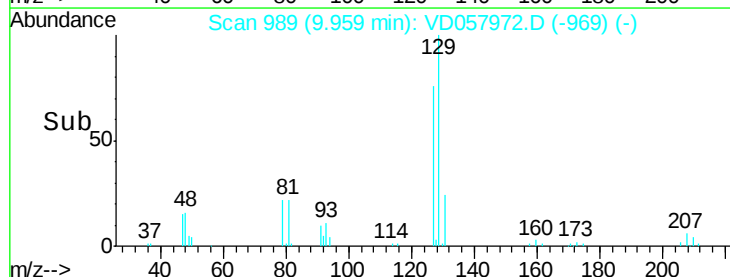
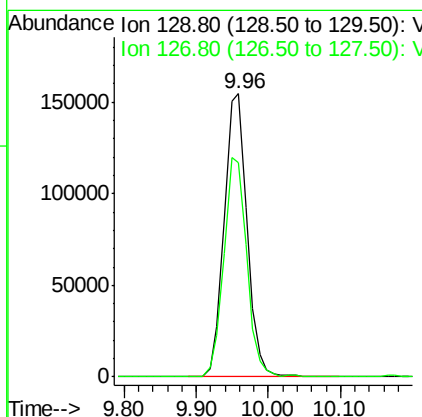
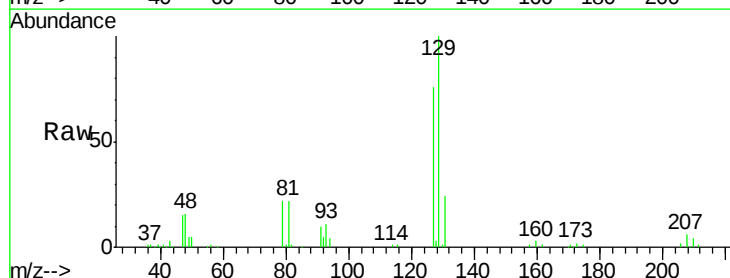
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

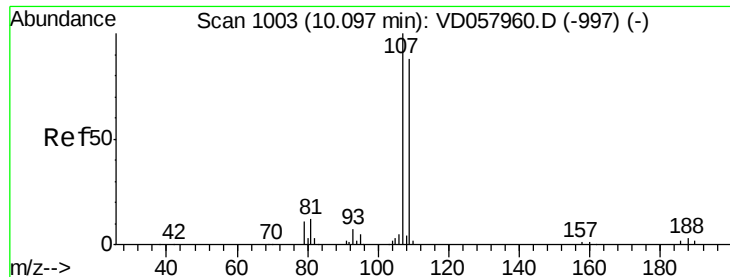
Tot Ion: 43 Resp: 839066
Ion Ratio Lower Upper
43 100
58 44.7 22.5 67.5



#60
Dibromochloromethane
Concen: 46.217 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 129 Resp: 340319
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 45.442 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

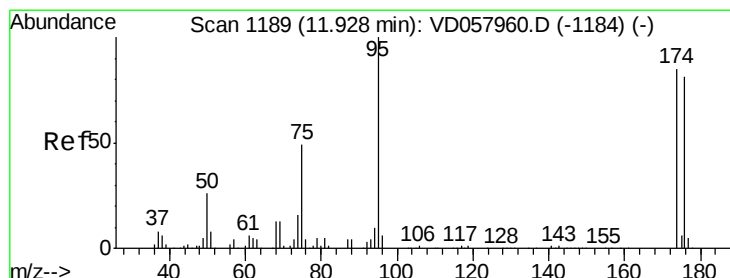
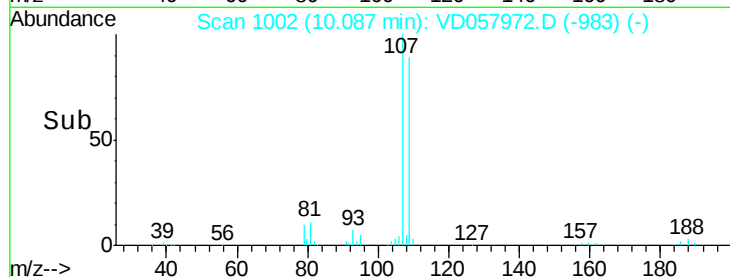
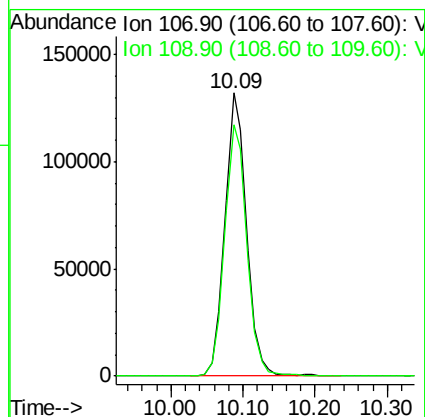
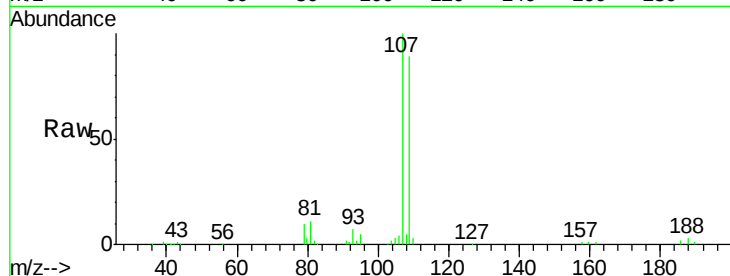
S39-0177MSD

Tot Ion:107 Resp: 272882

Ion Ratio Lower Upper

107 100

109 88.9 70.6 106.0



#62

4-Bromofluorobenzene

Concen: 45.442 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

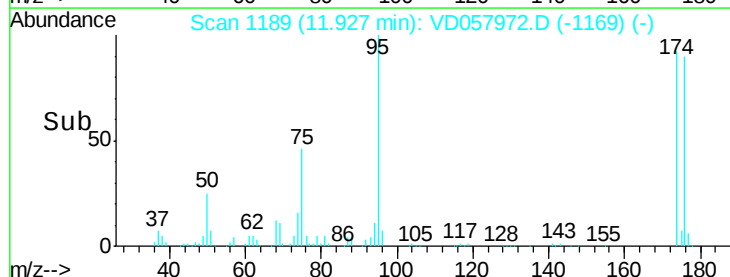
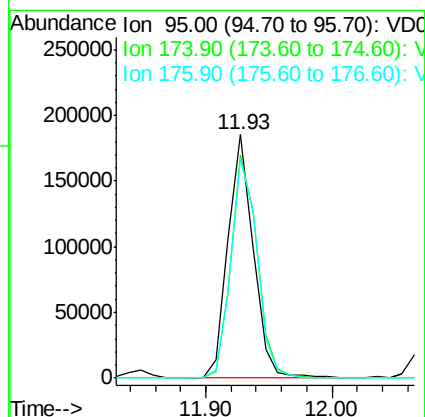
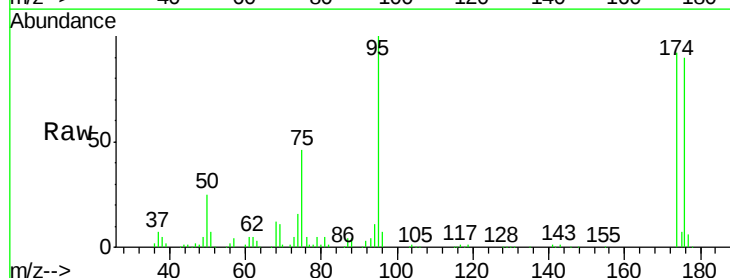
Tgt Ion: 95 Resp: 256968

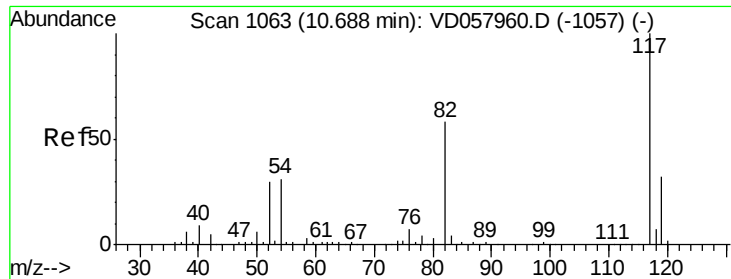
Ion Ratio Lower Upper

95 100

174 91.5 0.0 169.4

176 90.0 0.0 162.6

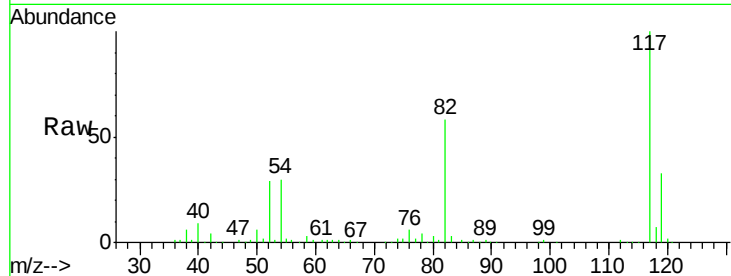




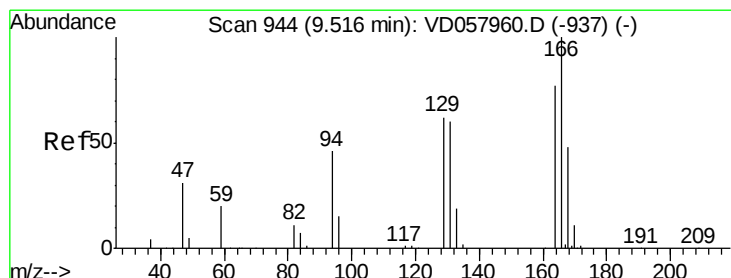
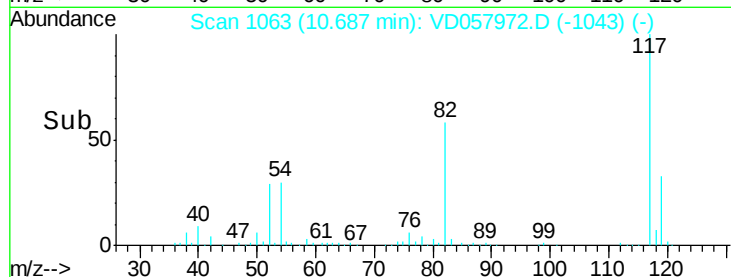
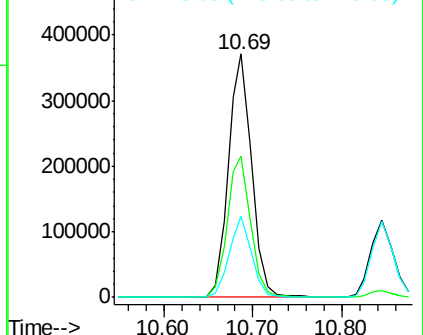
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion:117 Resp: 682252
Ion Ratio Lower Upper
117 100
82 57.8 46.8 70.2
119 33.3 25.8 38.6



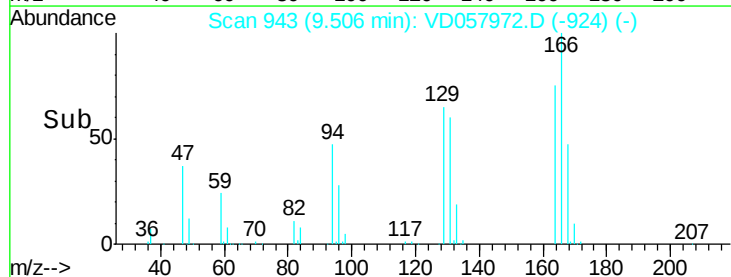
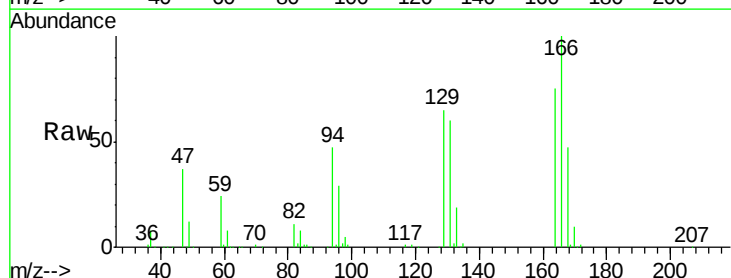
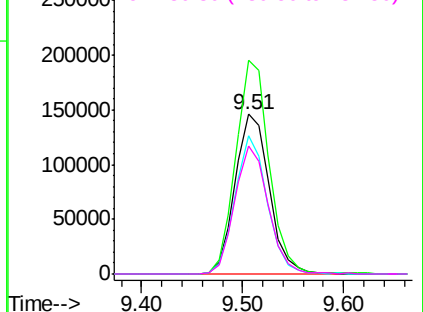
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

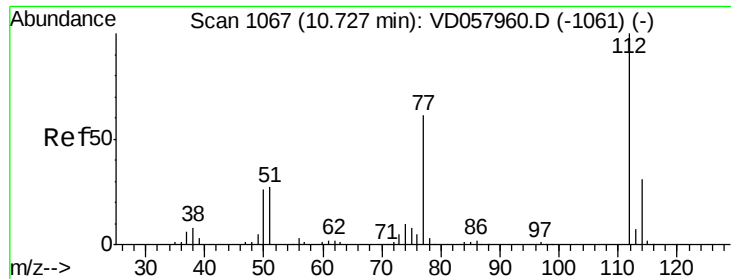


#64
Tetrachloroethene
Concen: 56.327 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion:164 Resp: 343558
Ion Ratio Lower Upper
164 100
166 133.9 104.4 156.6
129 86.5 65.0 97.6
131 80.7 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: 52.624 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

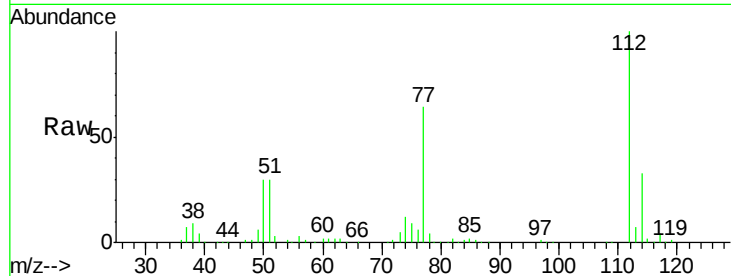
S39-0177MSD

Tot Ion:112 Resp: 726830

Ion Ratio Lower Upper

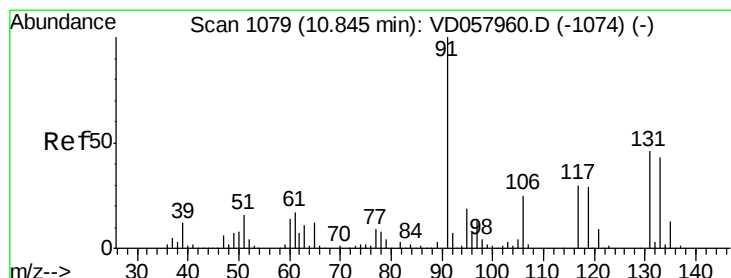
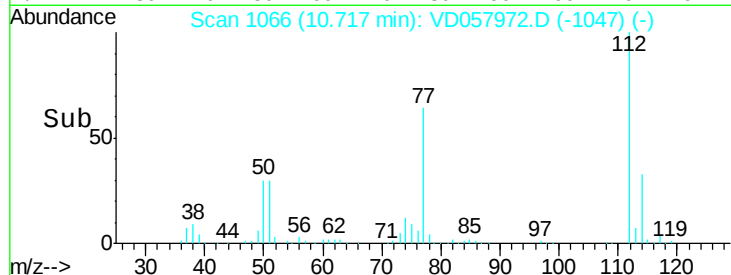
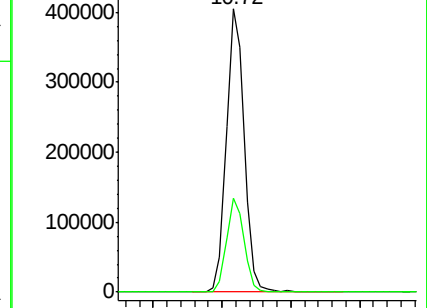
112 100

114 33.0 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: 59.690 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

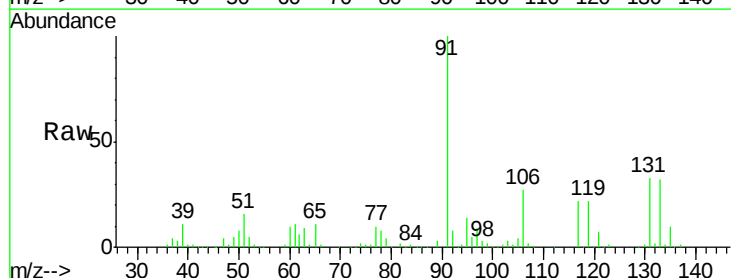
Tgt Ion:131 Resp: 316745

Ion Ratio Lower Upper

131 100

133 94.6 46.9 140.6

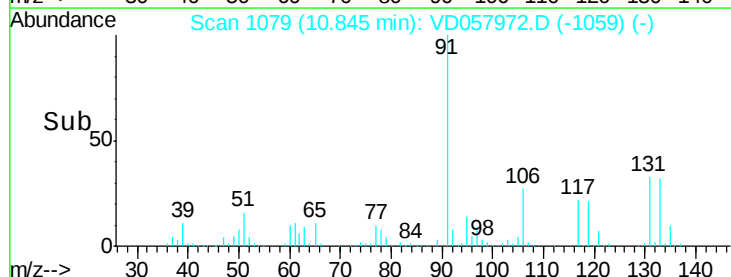
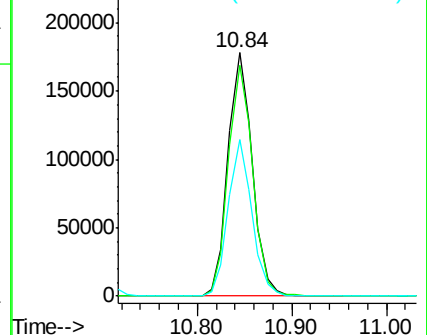
119 64.5 31.8 95.3

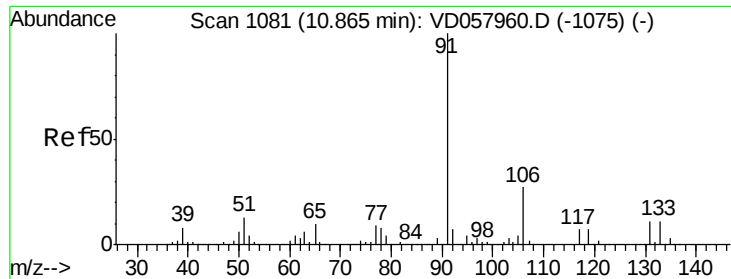


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 55.182 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

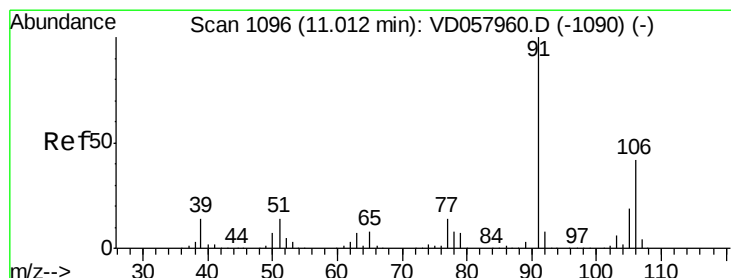
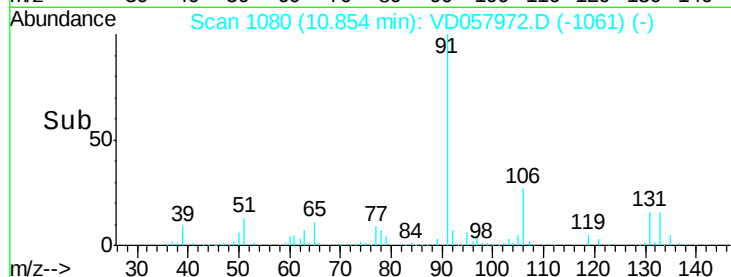
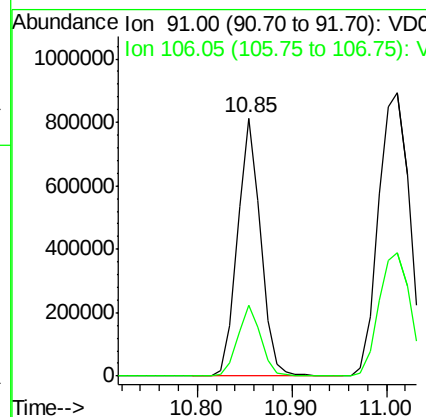
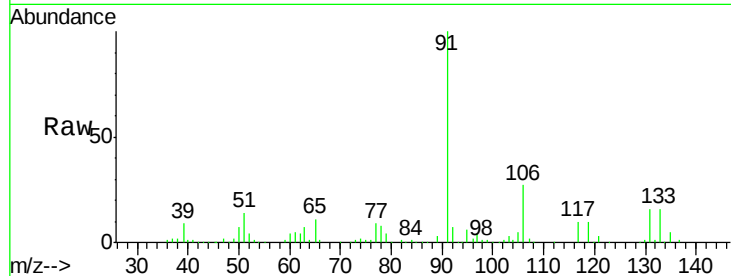
S39-0177MSD

Tot Ion: 91 Resp: 1376933

Ion Ratio Lower Upper

91 100

106 27.4 21.5 32.3



#68

m/p-Xylenes

Concen: 110.056 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD057972.D

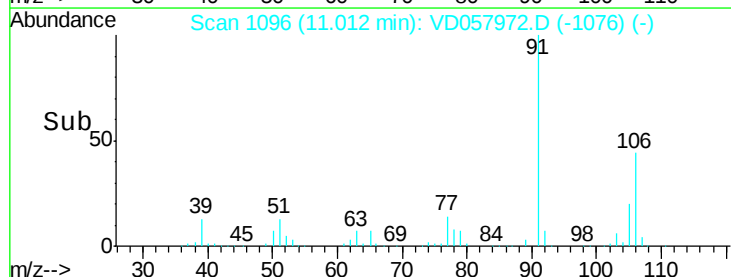
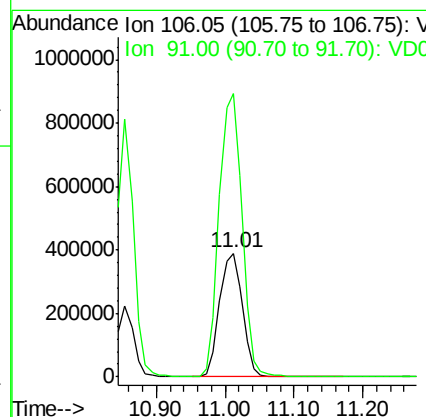
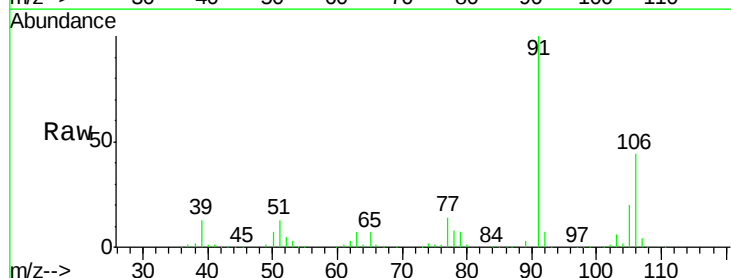
Acq: 7 Jun 2018 15:26

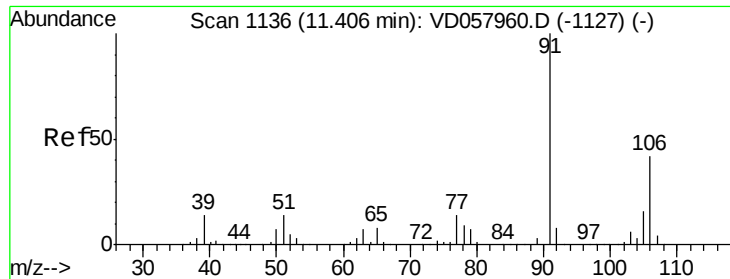
Tgt Ion:106 Resp: 895253

Ion Ratio Lower Upper

106 100

91 228.5 190.4 285.6

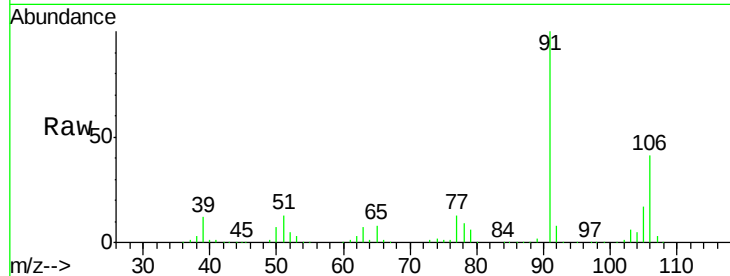




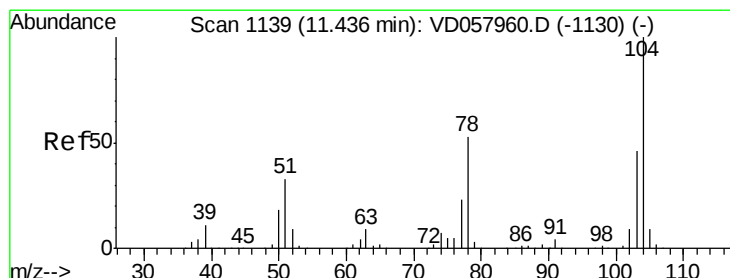
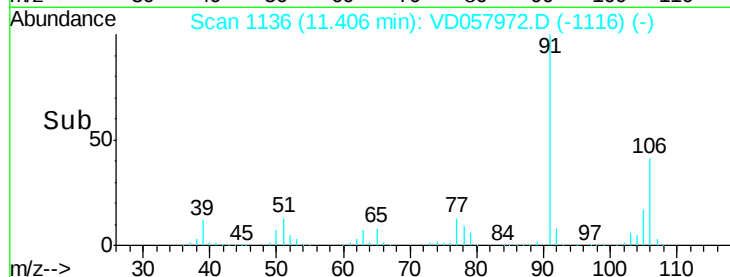
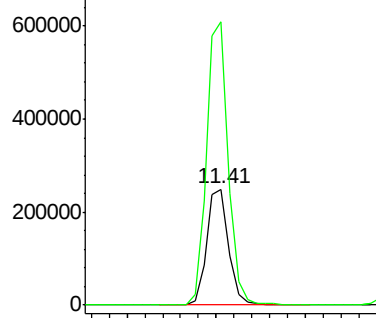
#69
o-Xylene
Concen: 53.008 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion:106 Resp: 428011
Ion Ratio Lower Upper
106 100
91 244.3 120.6 361.7

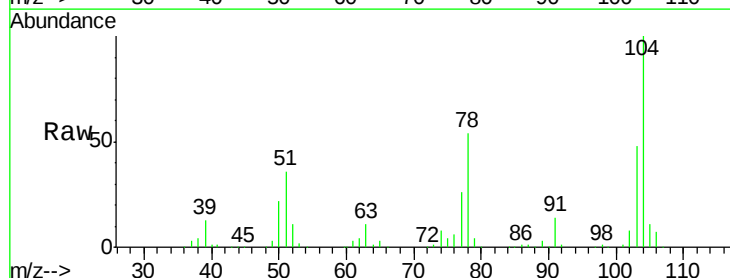


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

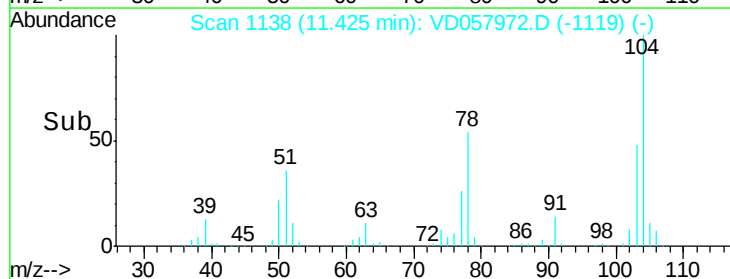
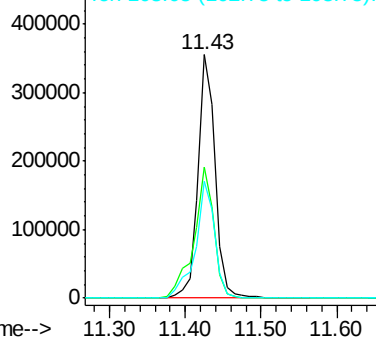


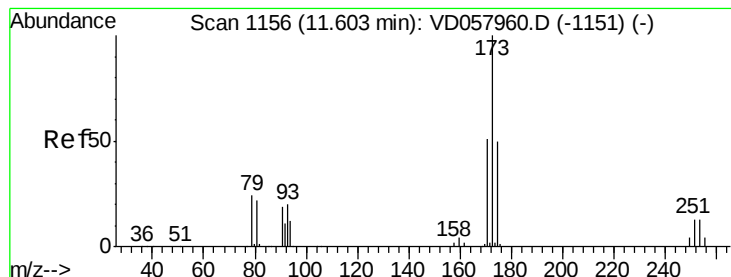
#70
Styrene
Concen: 41.229 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion:104 Resp: 551095
Ion Ratio Lower Upper
104 100
78 53.5 42.1 63.1
103 47.8 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: 50.775 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

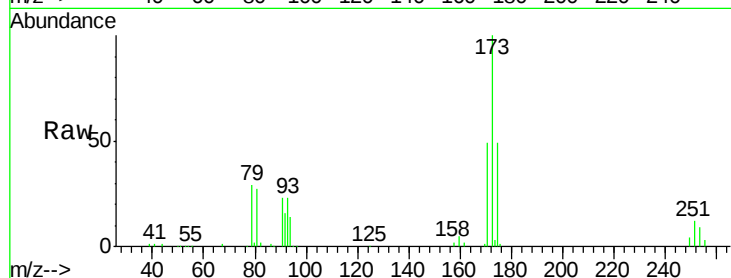
Tot Ion:173 Resp: 202689

Ion Ratio Lower Upper

173 100

175 49.0 25.1 75.2

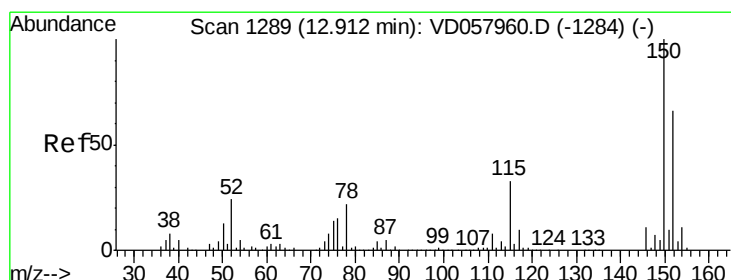
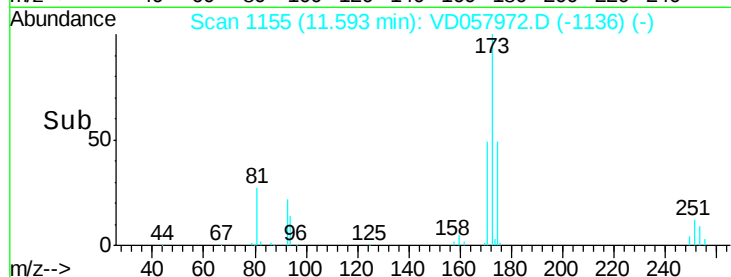
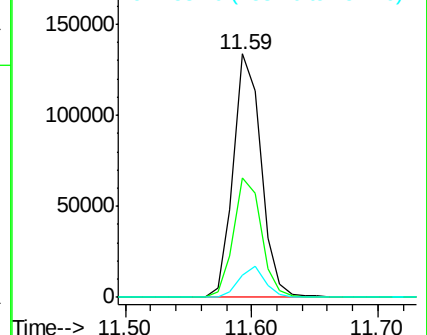
254 9.3 10.7 16.1#



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: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

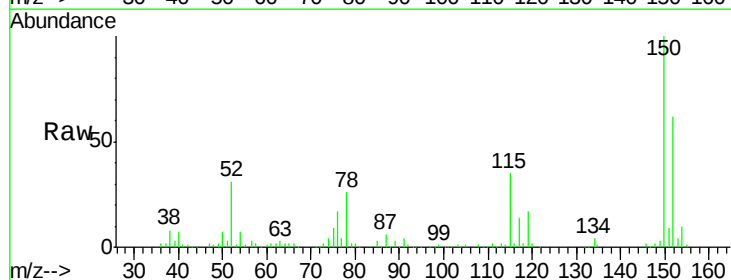
Tgt Ion:152 Resp: 194330

Ion Ratio Lower Upper

152 100

115 56.2 25.6 76.6

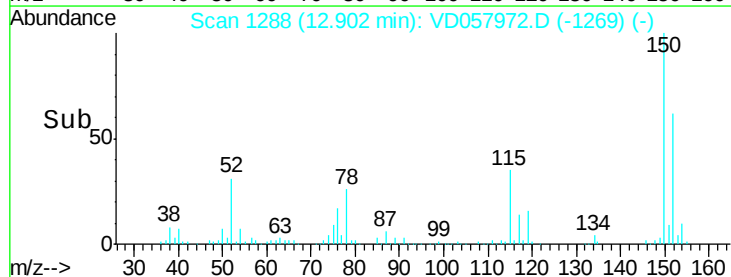
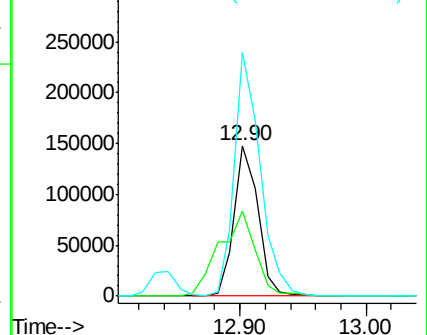
150 161.6 0.0 306.8

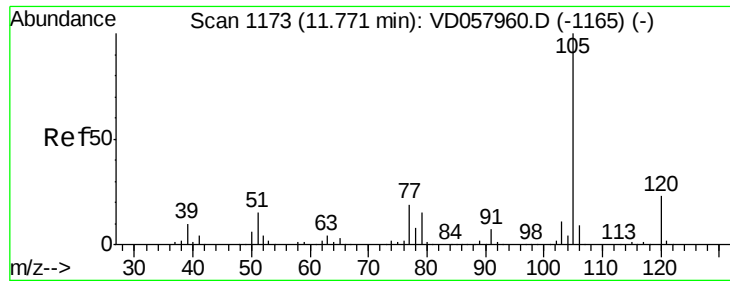


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 89.765 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

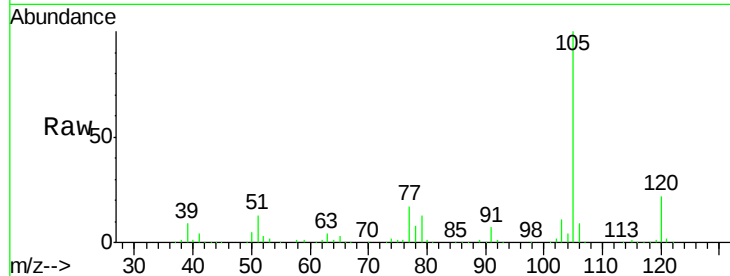
S39-0177MSD

Tot Ion:105 Resp: 1155417

Ion Ratio Lower Upper

105 100

120 22.5 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

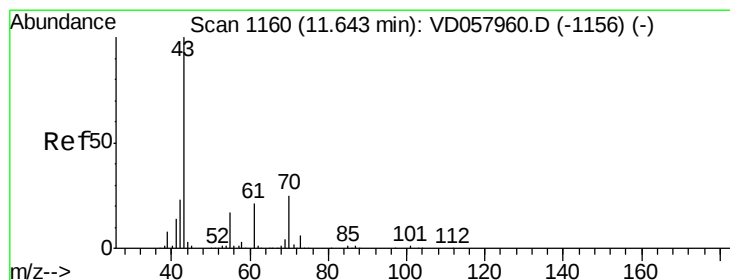
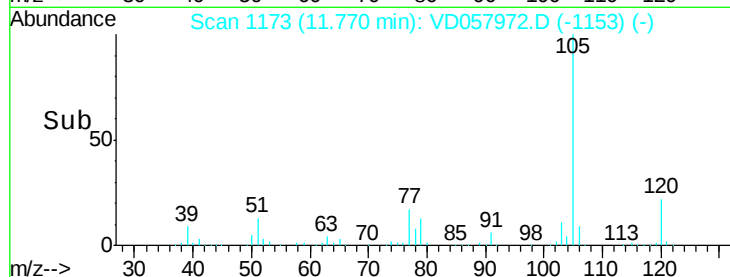
200000

0

11.77

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 87.557 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Tgt Ion: 43 Resp: 434876

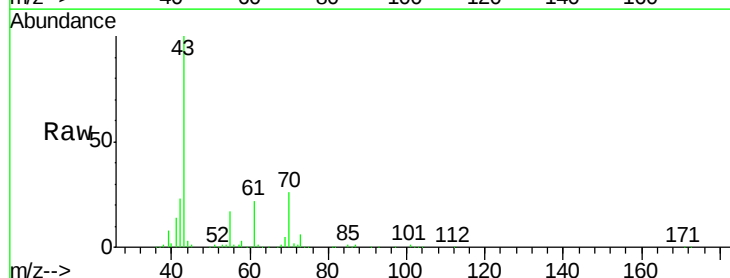
Ion Ratio Lower Upper

43 100

70 25.8 20.3 30.5

55 17.3 13.9 20.9

61 21.8 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

200000

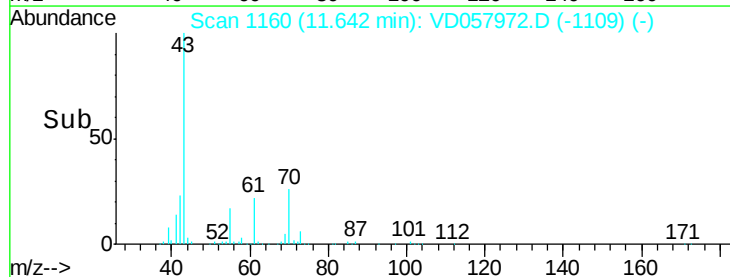
100000

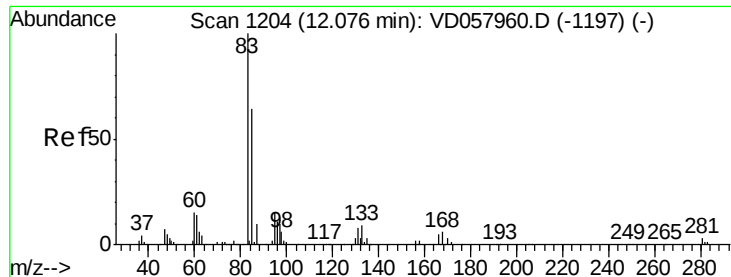
0

11.64

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 84.635 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

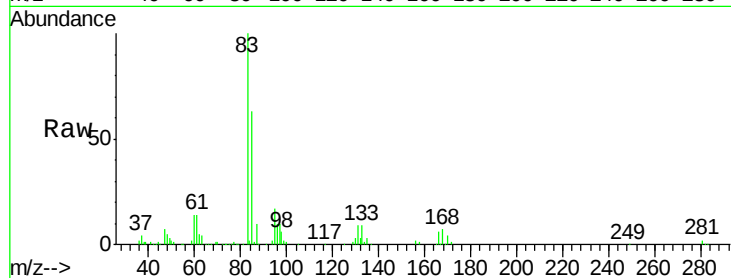
Tot Ion: 83 Resp: 237512

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.6

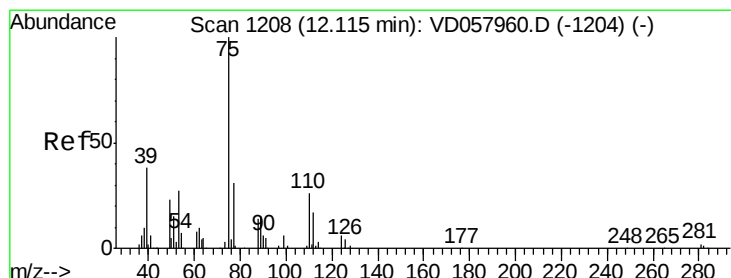
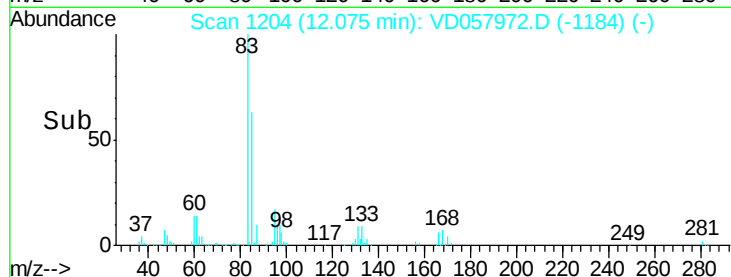
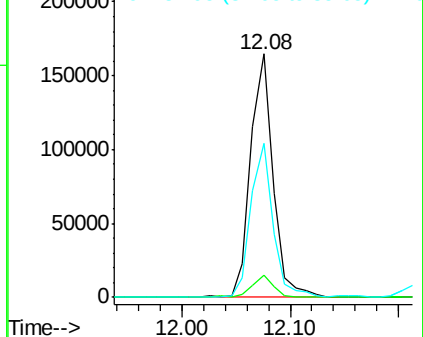
85 63.2 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 85.812 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057972.D

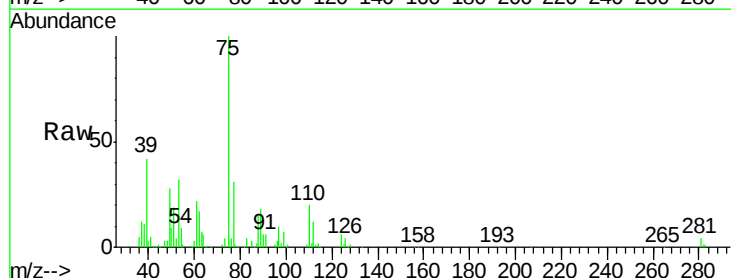
Acq: 7 Jun 2018 15:26

Tgt Ion: 75 Resp: 250495

Ion Ratio Lower Upper

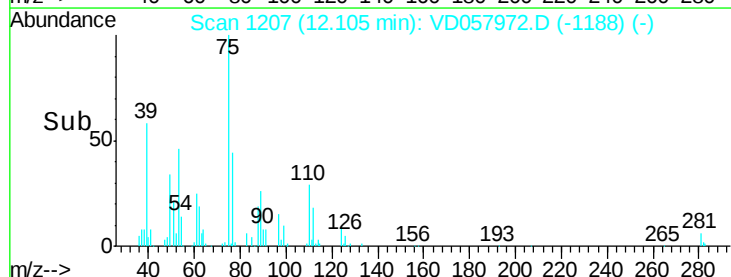
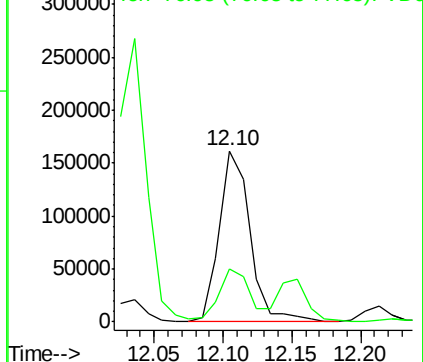
75 100

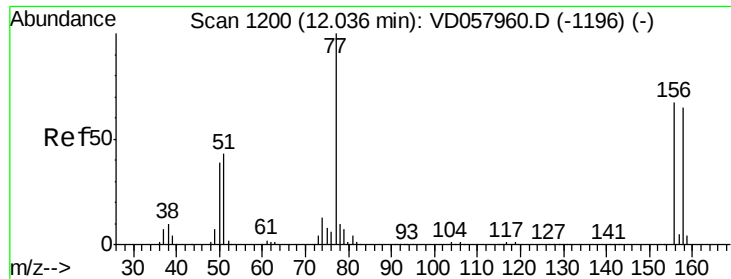
77 31.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

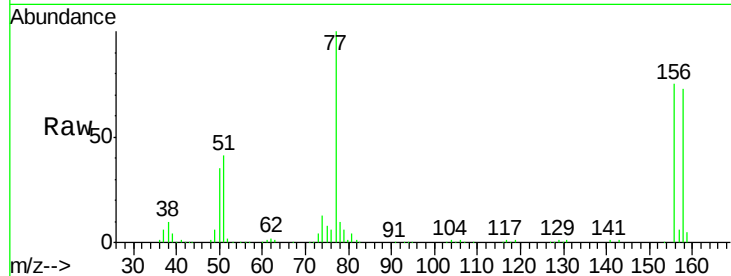




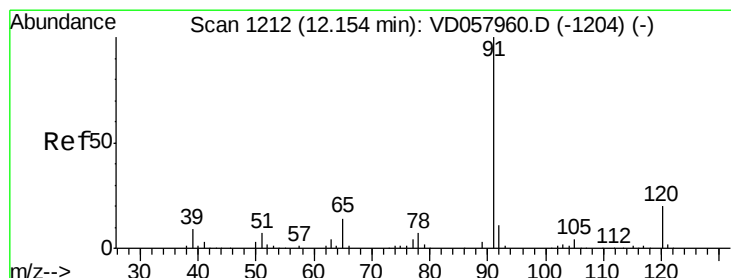
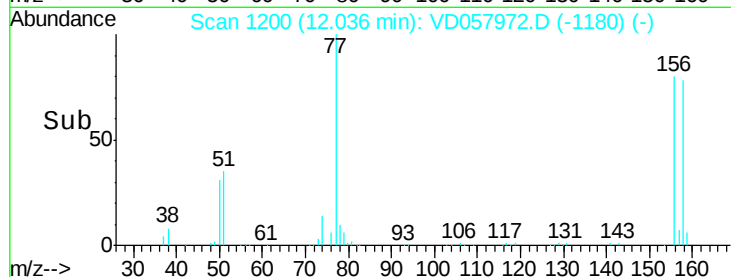
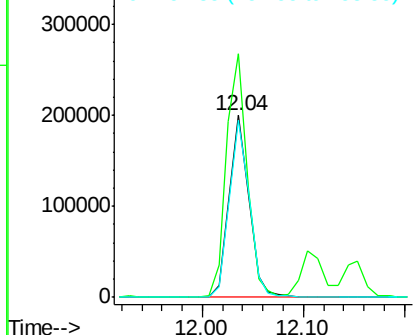
#77
Bromobenzene
Concen: 71.463 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion:156 Resp: 272275
Ion Ratio Lower Upper
156 100
77 133.8 75.0 224.8
158 97.5 48.6 145.9

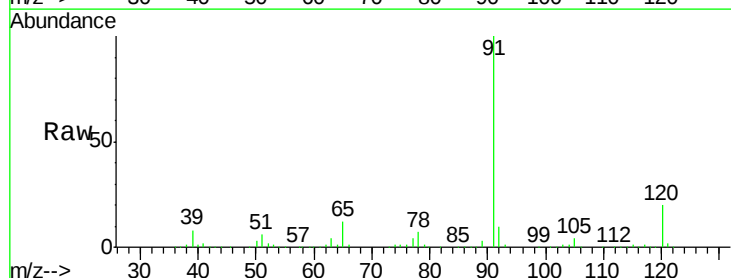


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

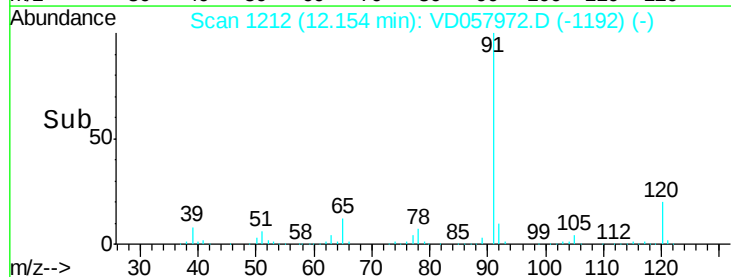
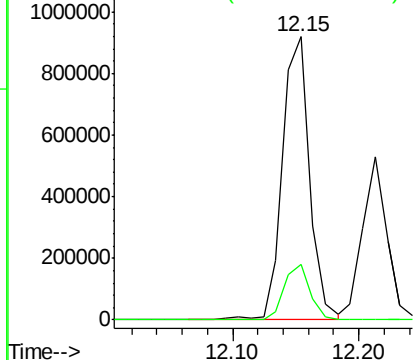


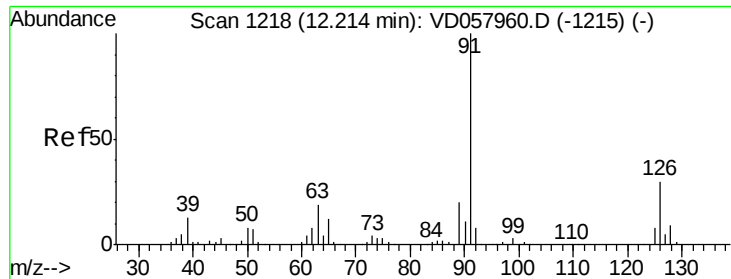
#78
n-propylbenzene
Concen: 81.971 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 91 Resp: 1372936
Ion Ratio Lower Upper
91 100
120 19.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

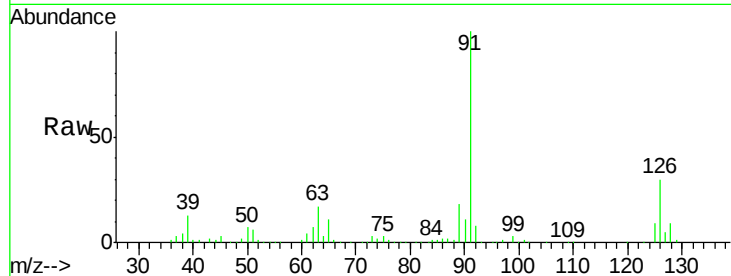




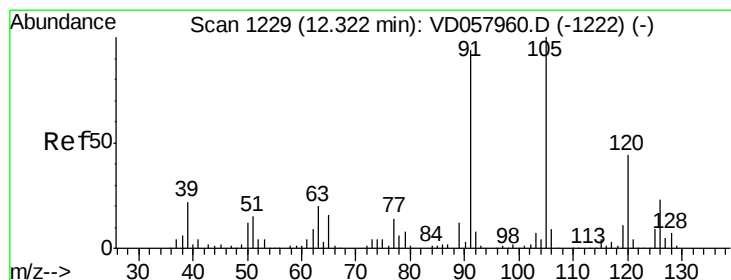
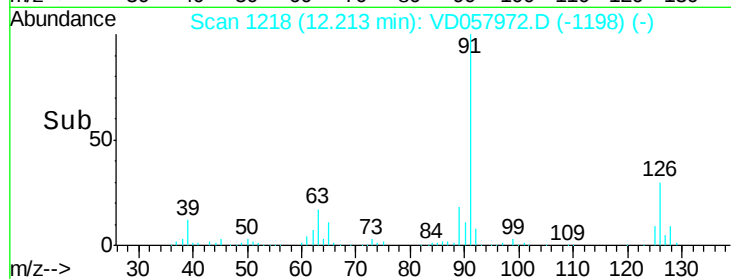
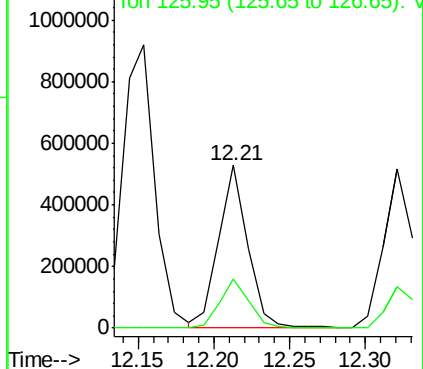
#79
2-Chlorotoluene
Concen: 73.826 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion: 91 Resp: 705415
Ion Ratio Lower Upper
91 100
126 30.1 14.6 44.0

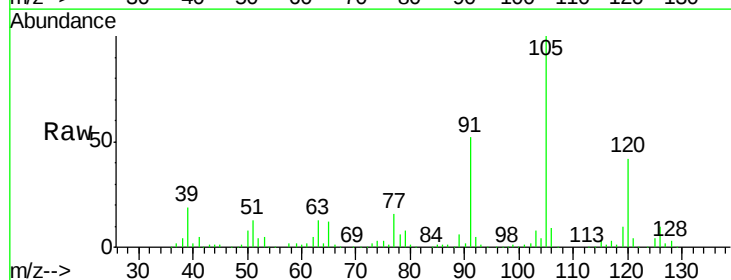


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

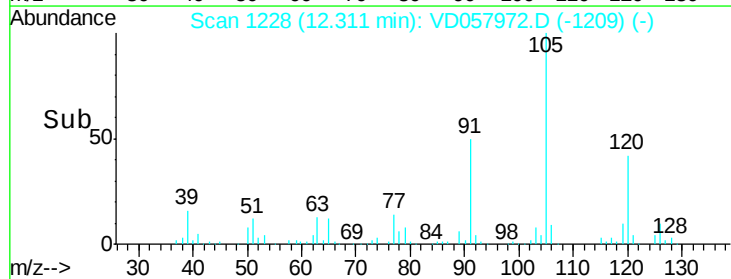
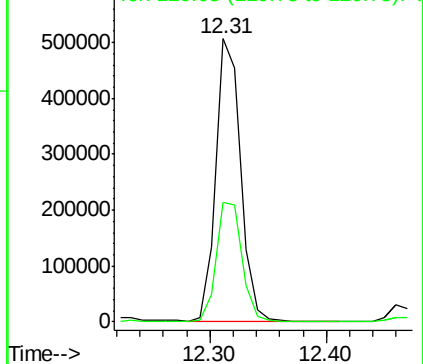


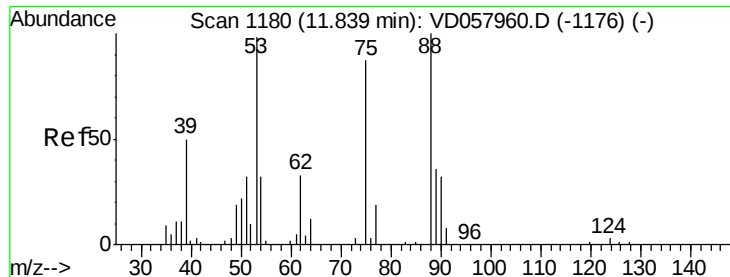
#80
1,3,5-Trimethylbenzene
Concen: 74.326 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 105 Resp: 746085
Ion Ratio Lower Upper
105 100
120 42.1 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 82.807 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

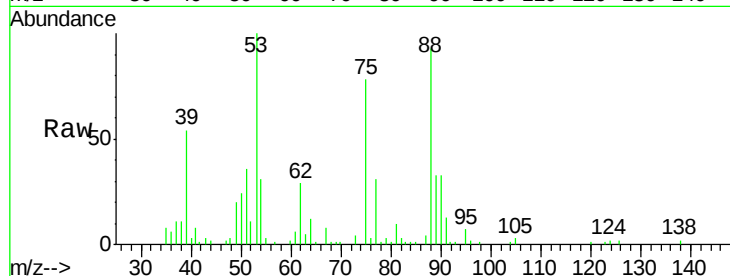
Tot Ion: 75 Resp: 59871

Ion Ratio Lower Upper

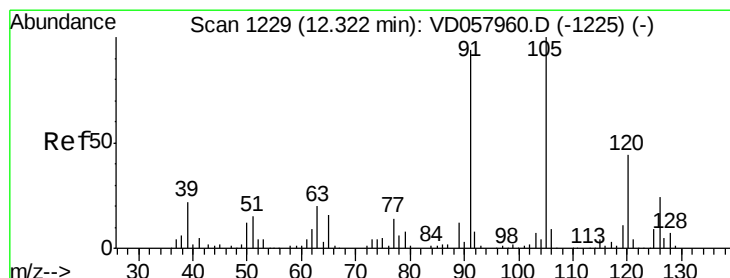
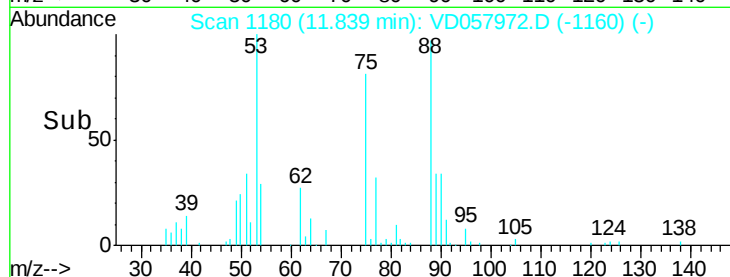
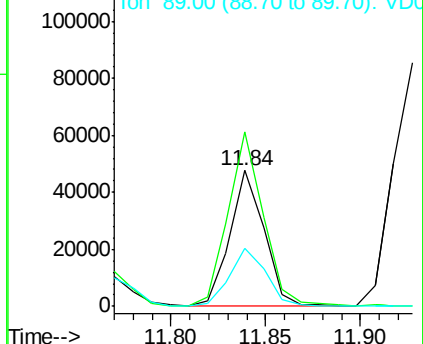
75 100

53 128.4 89.3 133.9

89 42.4 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 77.527 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057972.D

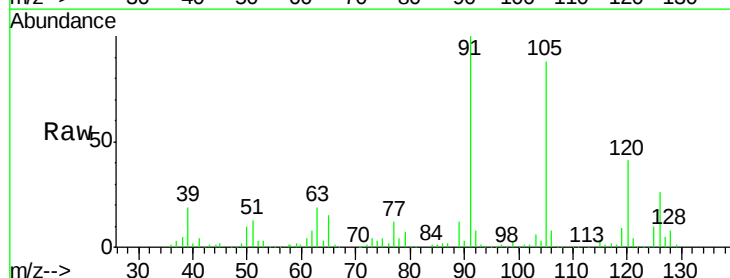
Acq: 7 Jun 2018 15:26

Tgt Ion: 91 Resp: 704154

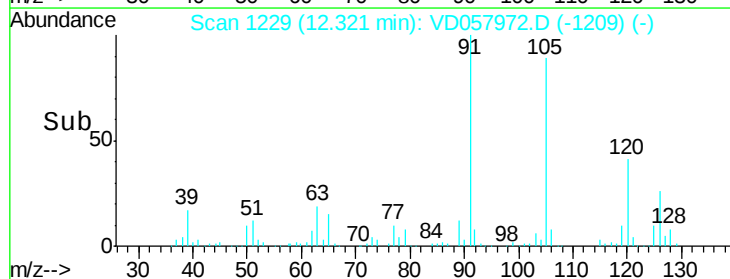
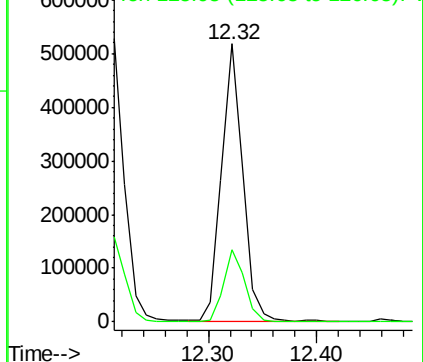
Ion Ratio Lower Upper

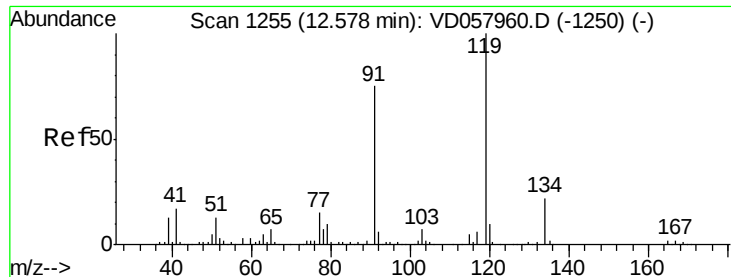
91 100

126 26.0 12.5 37.5



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

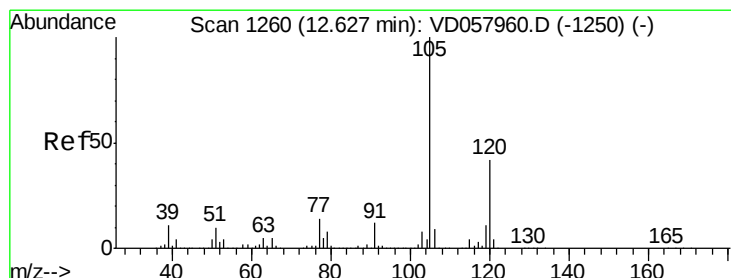
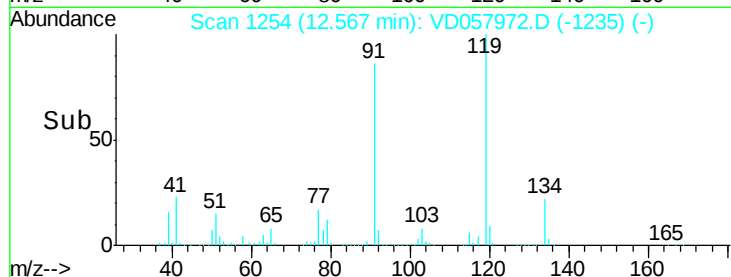
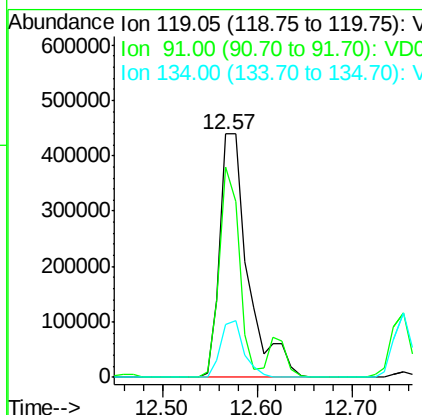
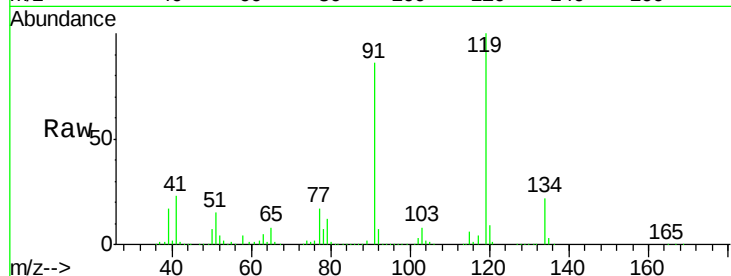




#83
tert-Butylbenzene
Concen: 80.575 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

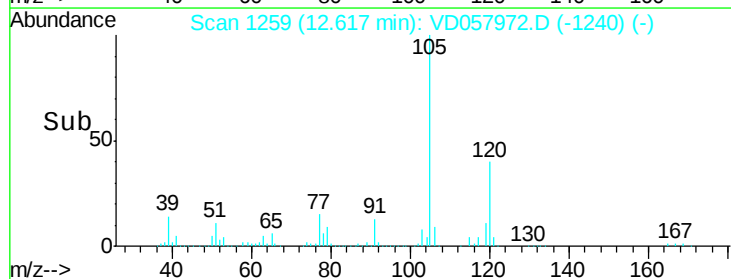
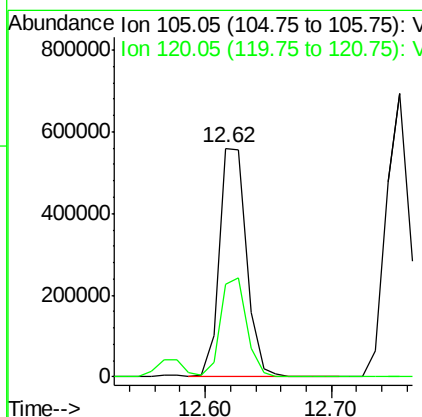
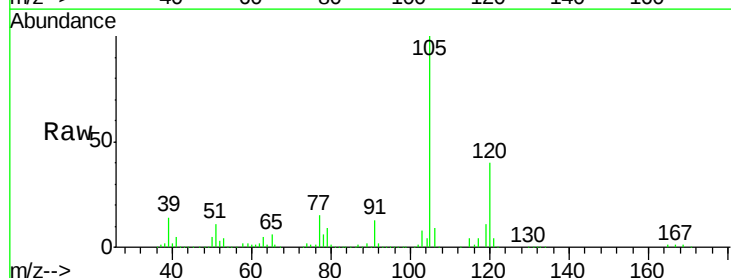
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

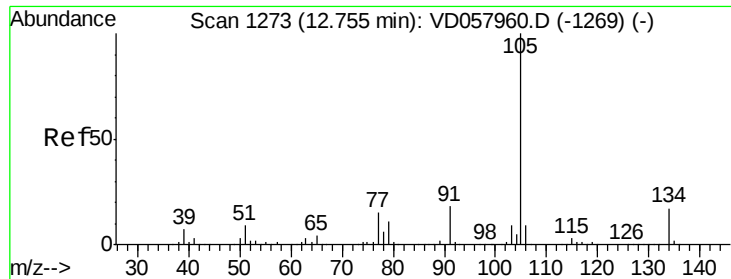
Tot Ion:119 Resp: 913267
Ion Ratio Lower Upper
119 100
91 86.2 37.6 112.9
134 21.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 76.885 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion:105 Resp: 829817
Ion Ratio Lower Upper
105 100
120 40.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 68.385 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

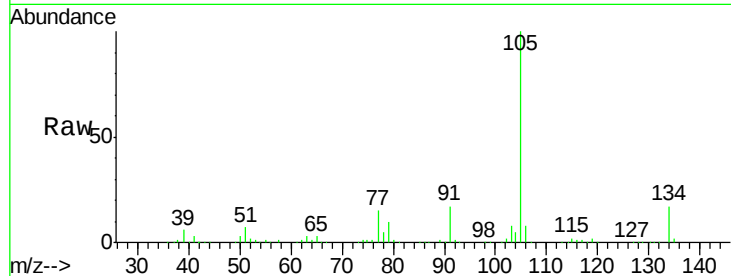
S39-0177MSD

Tot Ion:105 Resp: 935443

Ion Ratio Lower Upper

105 100

134 16.8 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

800000

600000

400000

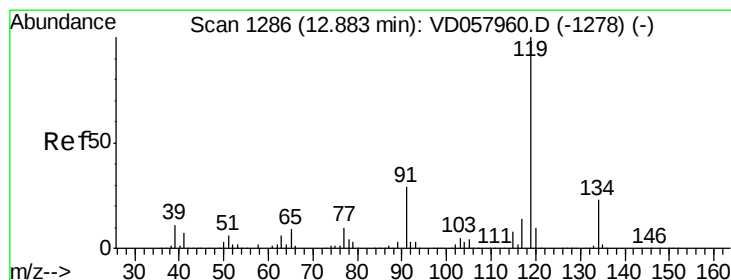
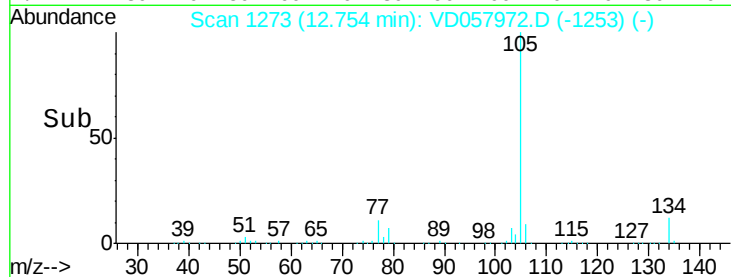
200000

0

12.75

12.80

Time-->



#86

p-Isopropyltoluene

Concen: 66.256 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

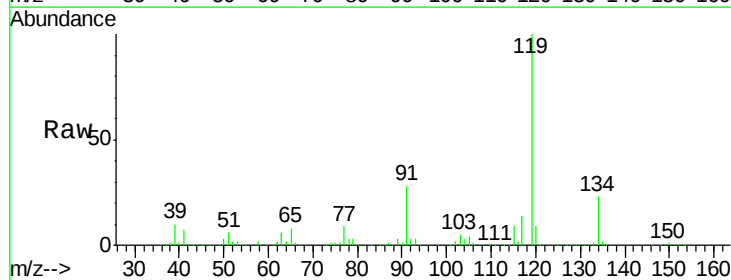
Tgt Ion:119 Resp: 730469

Ion Ratio Lower Upper

119 100

134 23.4 11.5 34.4

91 27.7 14.5 43.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

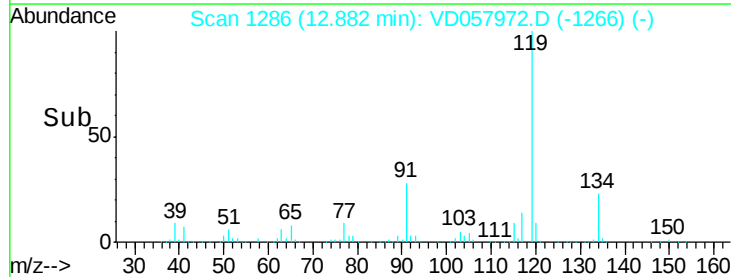
200000

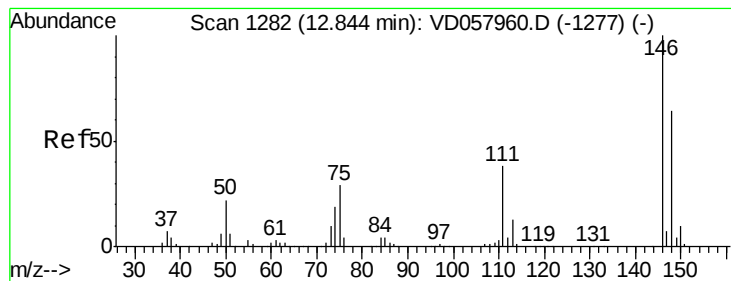
0

12.88

12.90

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.835 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MSD

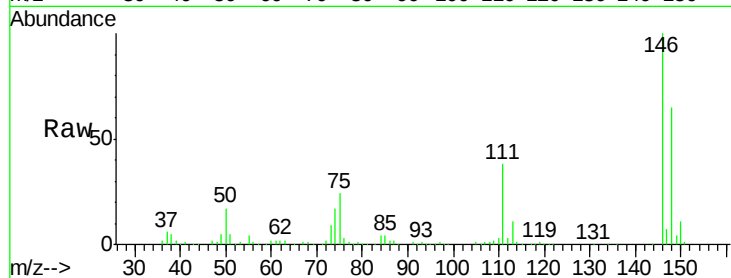
Tot Ion:146 Resp: 334072

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.3

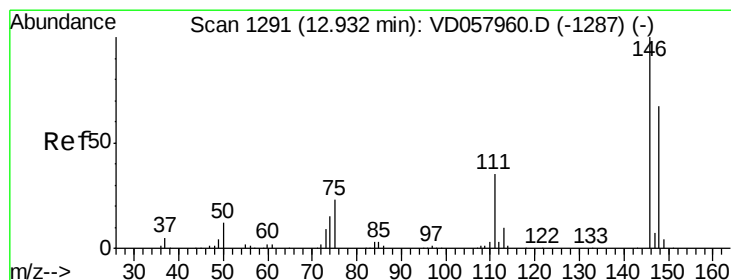
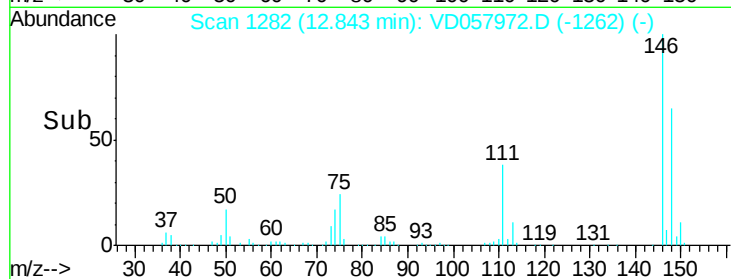
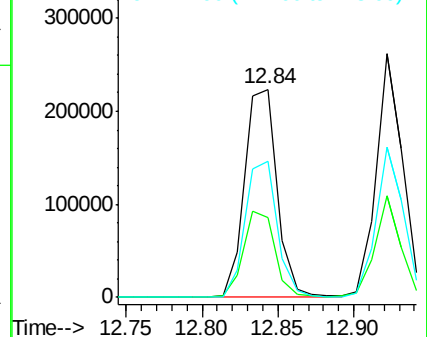
148 65.3 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.867 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD057972.D

Acq: 7 Jun 2018 15:26

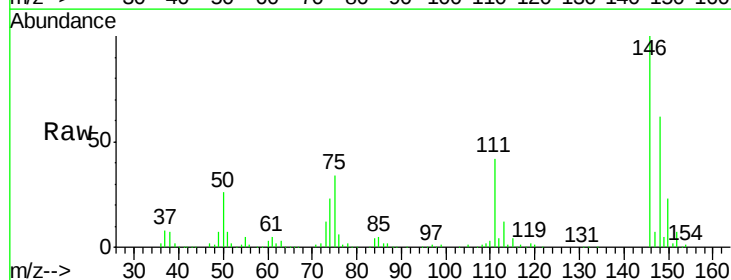
Tgt Ion:146 Resp: 325700

Ion Ratio Lower Upper

146 100

111 41.8 17.3 52.0

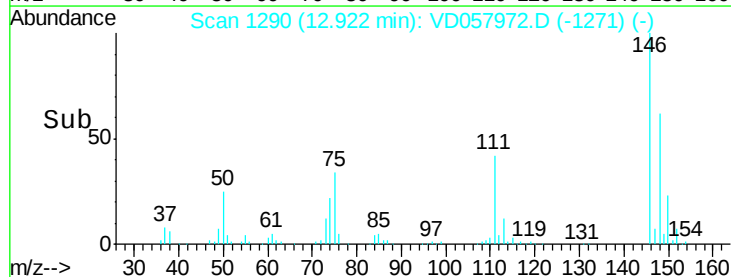
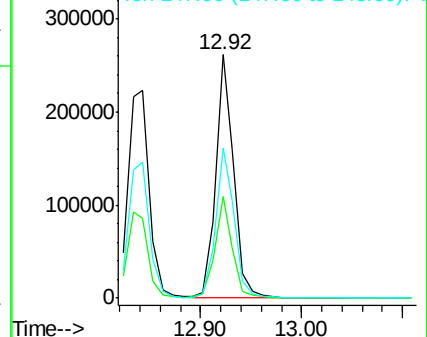
148 61.9 33.4 100.2

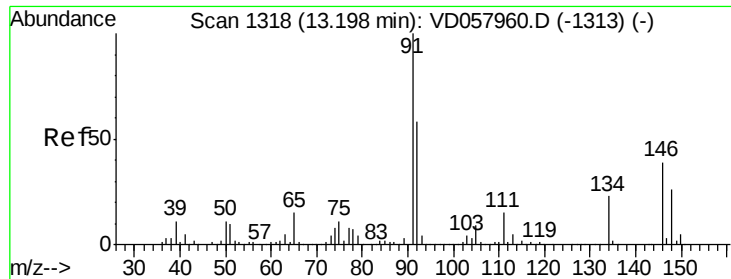


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

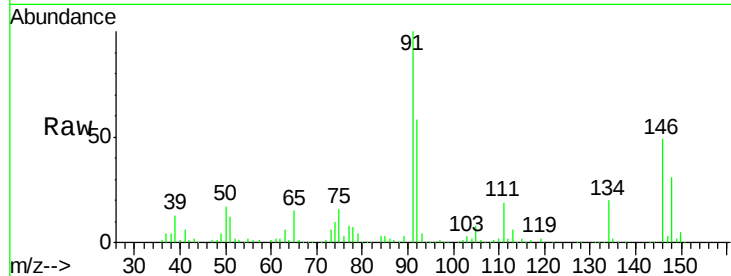




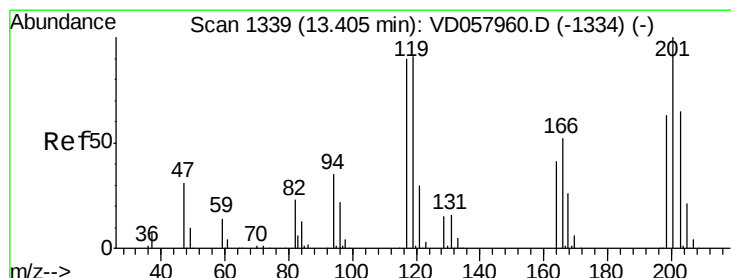
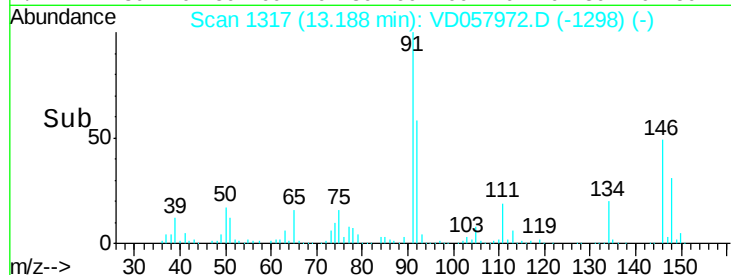
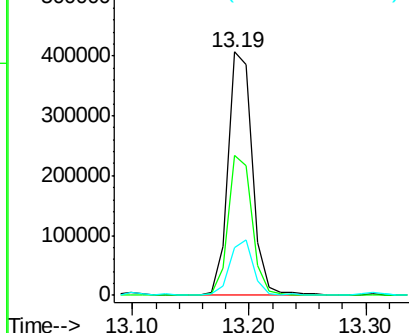
#89
n-Butylbenzene
Concen: 60.233 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion: 91 Resp: 589273
Ion Ratio Lower Upper
91 100
92 57.5 29.2 87.6
134 19.6 11.3 33.9

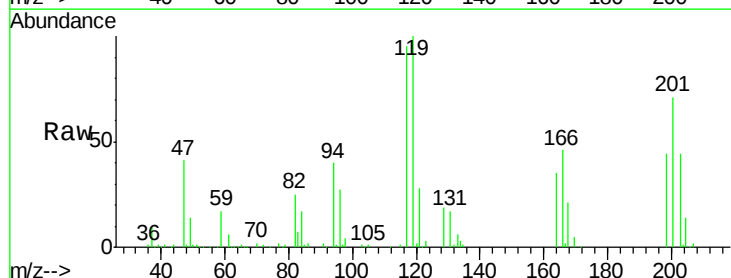


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

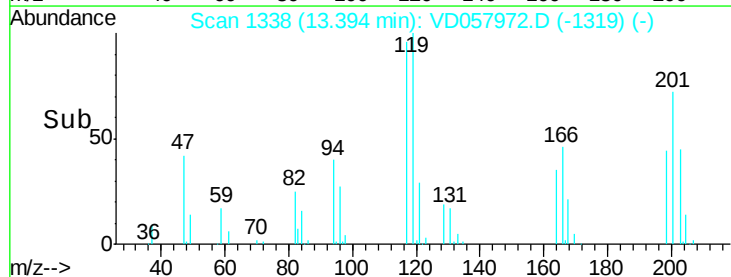
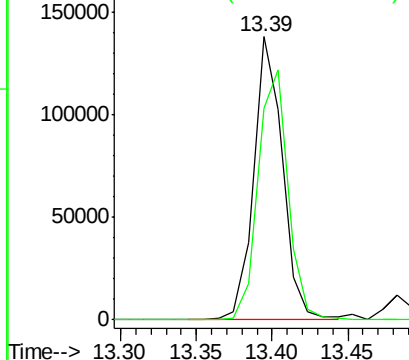


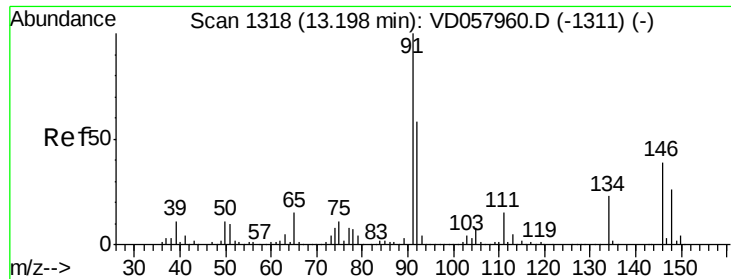
#90
Hexachloroethane
Concen: 65.206 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion: 117 Resp: 183488
Ion Ratio Lower Upper
117 100
201 74.9 55.4 166.0



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

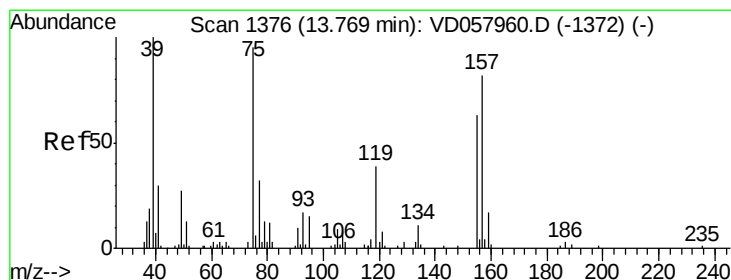
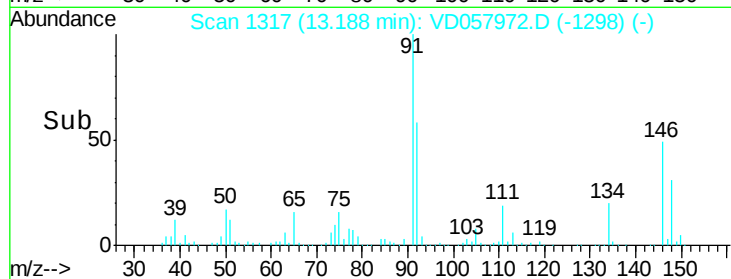
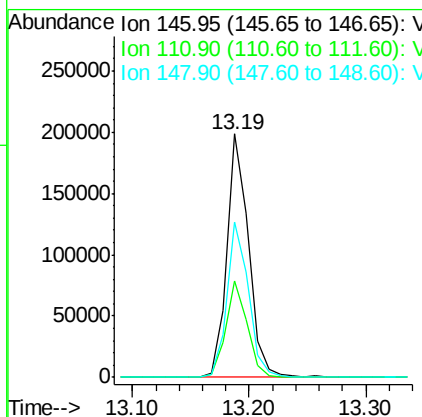
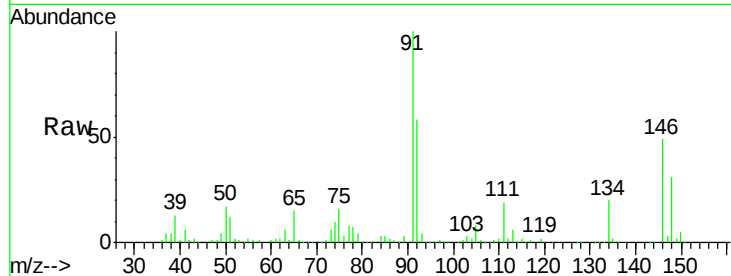




#91
 1,2-Dichlorobenzene
 Concen: 48.977 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

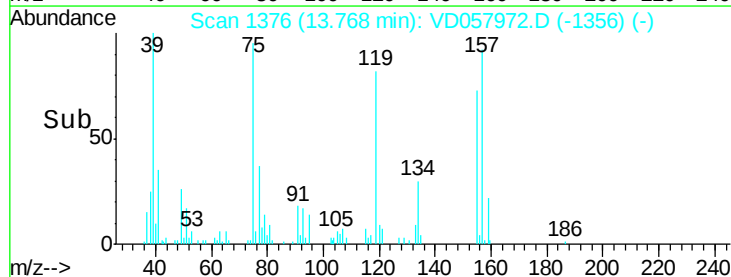
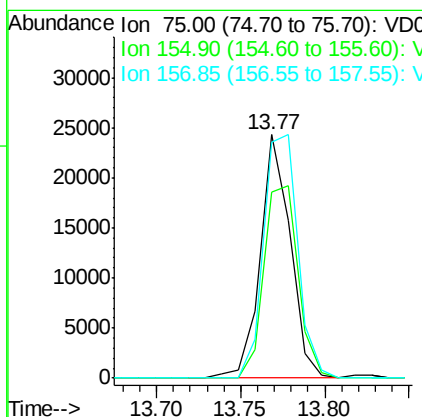
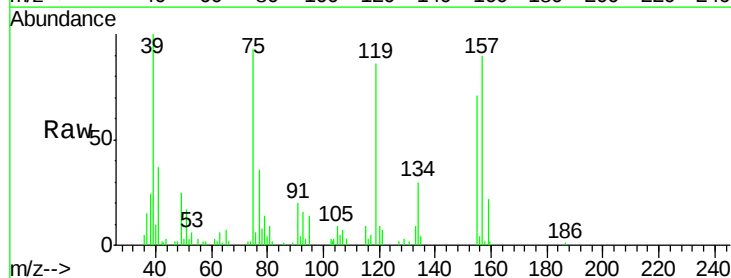
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

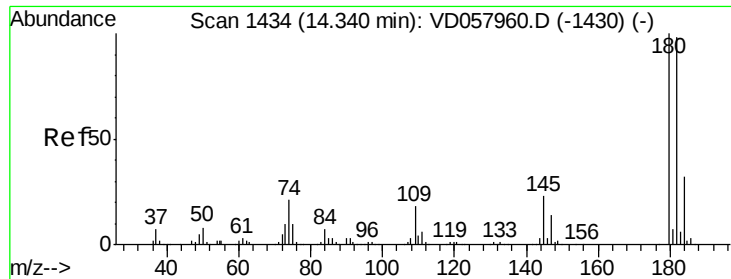
Tot Ion:146 Resp: 255093
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.2
 148 63.7 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.059 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion: 75 Resp: 29910
 Ion Ratio Lower Upper
 75 100
 155 76.6 33.4 100.1
 157 96.9 42.9 128.5

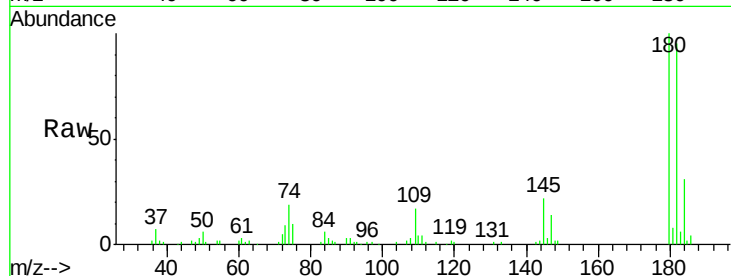




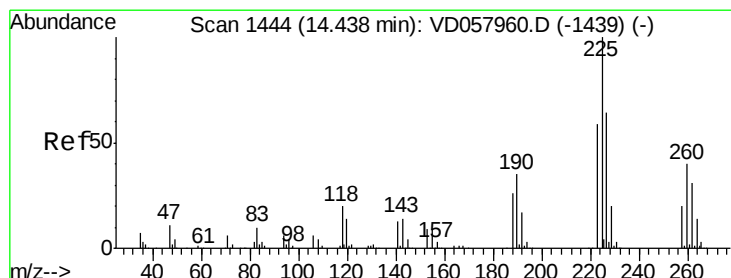
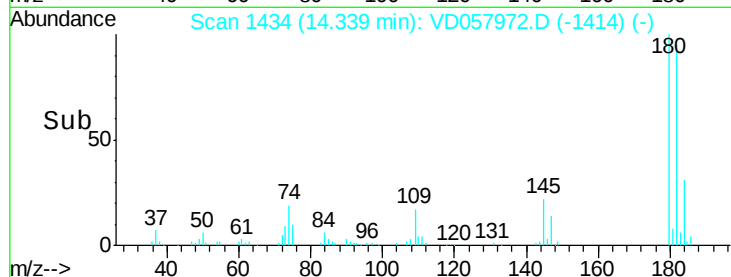
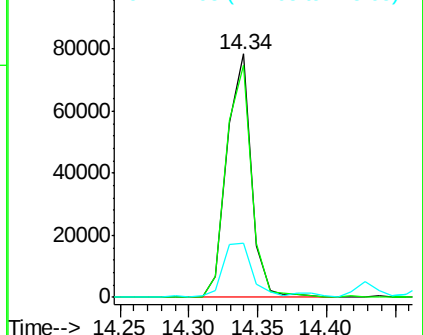
#93
 1,2,4-Trichlorobenzene
 Concen: 19.713 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

Tot Ion:180 Resp: 95925
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.0 147.2
 145 22.2 11.8 35.3

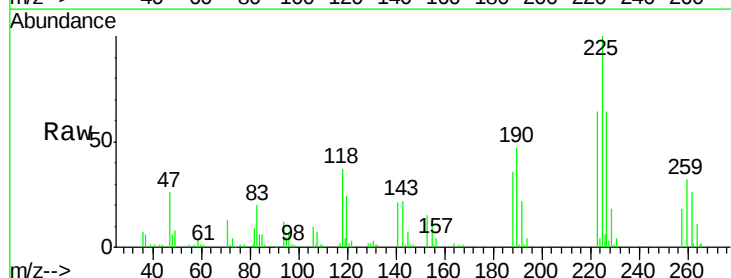


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

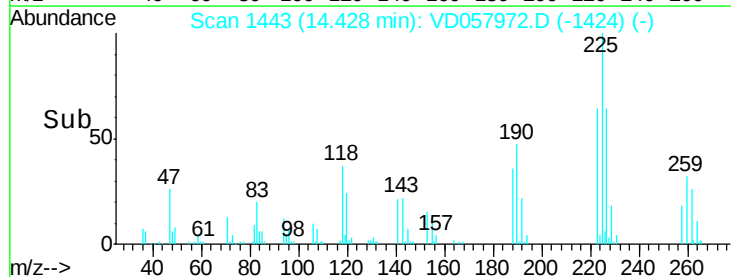
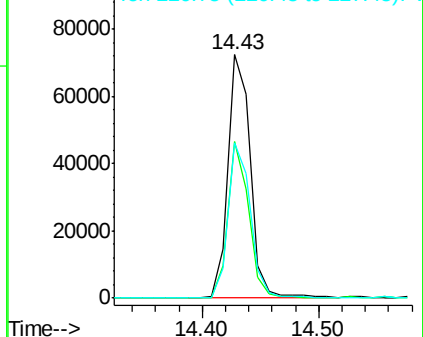


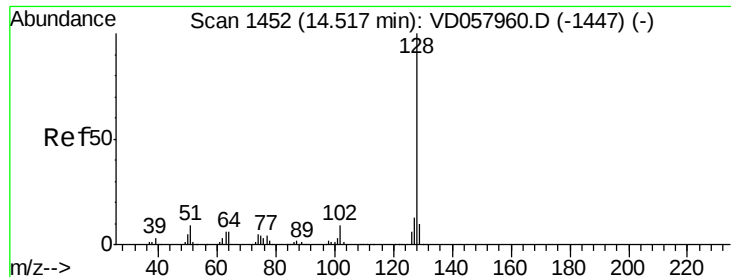
#94
 Hexachlorobutadiene
 Concen: 25.280 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057972.D
 Acq: 7 Jun 2018 15:26

Tgt Ion:225 Resp: 96759
 Ion Ratio Lower Upper
 225 100
 223 64.3 29.5 88.6
 227 64.0 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

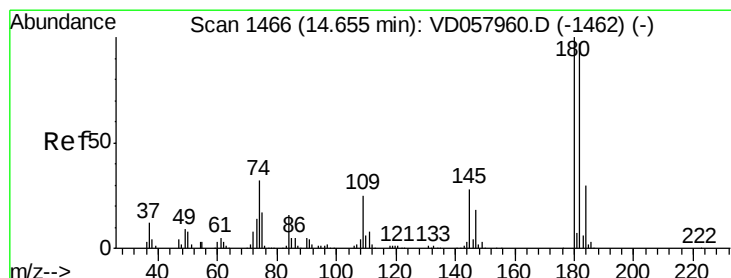
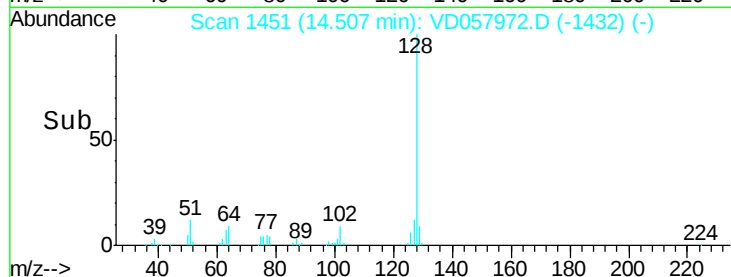
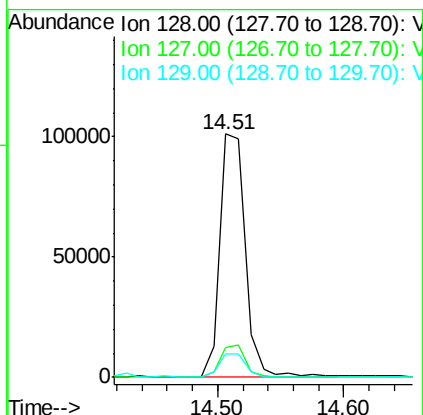
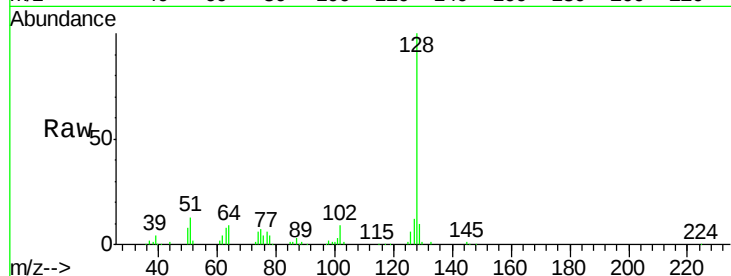




#95
Naphthalene
Concen: 22.648 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MSD

Tot Ion:128 Resp: 142087
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 9.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 17.277 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD057972.D
Acq: 7 Jun 2018 15:26

Tgt Ion:180 Resp: 71646
Ion Ratio Lower Upper
180 100
182 99.6 48.5 145.5
145 29.2 14.2 42.8

