

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059581.D
 Acq On : 24 Jul 2018 20:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

Quant Time: Jul 25 07:14:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	145783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	182023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	151494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	72110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	96021	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	85457	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
50) Toluene-d8	8.69	98	179953	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.92	95	79582	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.32	85	74619	45.958	ug/l 97
3) Chloromethane	1.46	50	39266	43.095	ug/l 95
4) Vinyl Chloride	1.52	62	45626	48.119	ug/l 99
5) Bromomethane	1.75	94	11987	65.895	ug/l 86
6) Chloroethane	1.84	64	24250	87.424	ug/l 94
7) Trichlorofluoromethane	2.05	101	81540	50.407	ug/l 96
8) Diethyl Ether	2.31	74	15765	51.459	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	42507	49.870	ug/l 98
10) Methyl Iodide	2.66	142	56479	51.024	ug/l 98
11) Tert butyl alcohol	3.23	59	18878	258.193	ug/l 97
12) 1,1-Dichloroethene	2.51	96	31818	51.500	ug/l 98
13) Acrolein	2.44	56	8457	224.513	ug/l 85
14) Allyl chloride	2.88	41	78925	52.686	ug/l 97
15) Acrylonitrile	3.32	53	43346	273.353	ug/l 97
16) Acetone	2.58	43	76573	276.658	ug/l 100
17) Carbon Disulfide	2.72	76	129636	52.827	ug/l 98
18) Methyl Acetate	2.90	43	31553	57.008	ug/l 97
19) Methyl tert-butyl Ether	3.36	73	108549	52.419	ug/l 97
20) Methylene Chloride	3.03	84	38659	48.985	ug/l 94
21) trans-1,2-Dichloroethene	3.34	96	35540	53.347	ug/l 98
22) Diisopropyl ether	4.03	45	194807	49.454	ug/l 98
23) Vinyl Acetate	3.97	43	621386	248.549	ug/l 99
24) 1,1-Dichloroethane	3.93	63	123435	49.637	ug/l 97
25) 2-Butanone	4.79	43	106273	251.786	ug/l 100
26) 2,2-Dichloropropane	4.75	77	123642	48.549	ug/l 100
27) cis-1,2-Dichloroethene	4.76	96	68077	51.158	ug/l 96
28) Bromochloromethane	5.11	49	51490	52.329	ug/l 92
29) Tetrahydrofuran	5.15	42	47953	245.368	ug/l 98
30) Chloroform	5.28	83	147681	49.653	ug/l 98
31) Cyclohexane	5.56	56	87100	55.158	ug/l 98
32) 1,1,1-Trichloroethane	5.47	97	145948	50.685	ug/l 97
36) 1,1-Dichloropropene	5.71	75	96491	52.828	ug/l 98
37) Ethyl Acetate	4.88	43	51927	55.266	ug/l 99
38) Carbon Tetrachloride	5.69	117	136524	54.585	ug/l 98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	83113	49.483	ug/l	96
40) Benzene	5.98	78	195031	52.069	ug/l	100
41) Methacrylonitrile	5.09	41	26693	56.929	ug/l	96
42) 1,2-Dichloroethane	6.10	62	123118	54.556	ug/l	98
43) Isopropyl Acetate	7.58	43	69519	53.358	ug/l	97
44) Trichloroethene	6.95	130	74039	54.498	ug/l	99
45) 1,2-Dichloropropane	7.32	63	55242	52.665	ug/l	97
46) Dibromomethane	7.43	93	46436	52.374	ug/l	97
47) Bromodichloromethane	7.71	83	112522	53.137	ug/l	96
48) Methyl methacrylate	7.48	41	46749	54.105	ug/l	93
49) 1,4-Dioxane	7.46	88	8331	1030.065	ug/l	87
51) 4-Methyl-2-Pentanone	8.58	43	230895	265.388	ug/l	98
52) Toluene	8.78	92	123931	49.898	ug/l	94
53) t-1,3-Dichloropropene	9.17	75	99976	52.344	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	98033	51.687	ug/l	97
55) 1,1,2-Trichloroethane	9.43	97	46611	49.953	ug/l	97
56) Ethyl methacrylate	9.29	69	59118	55.842	ug/l	98
57) 1,3-Dichloropropane	9.64	76	76916	51.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	135636	272.667	ug/l	99
59) 2-Hexanone	9.77	43	172269	249.282	ug/l	100
60) Dibromochloromethane	9.94	129	85290	55.059	ug/l	97
61) 1,2-Dibromoethane	10.07	107	59232	53.567	ug/l	98
64) Tetrachloroethene	9.49	164	71811	52.308	ug/l	97
65) Chlorobenzene	10.70	112	155742	50.150	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	70429	52.137	ug/l	97
67) Ethyl Benzene	10.84	91	272830	51.106	ug/l	99
68) m/p-Xylenes	11.00	106	173246	97.170	ug/l	96
69) o-Xylene	11.39	106	82904	47.920	ug/l	93
70) Styrene	11.42	104	143280	49.950	ug/l	97
71) Bromoform	11.59	173	59771	54.339	ug/l	97
73) Isopropylbenzene	11.77	105	257235	50.495	ug/l	97
74) N-amyl acetate	11.64	43	92775	53.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	54566	52.465	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	63834	53.530	ug/l	100
77) Bromobenzene	12.03	156	75258	50.467	ug/l	87
78) n-propylbenzene	12.14	91	314022	50.734	ug/l	99
79) 2-Chlorotoluene	12.21	91	187367	50.774	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	211127	52.492	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	15737	51.616	ug/l	90
82) 4-Chlorotoluene	12.32	91	214529	51.406	ug/l	97
83) tert-Butylbenzene	12.56	119	228499	50.464	ug/l	95
84) 1,2,4-Trimethylbenzene	12.61	105	223567	52.291	ug/l	96
85) sec-Butylbenzene	12.75	105	257287	49.725	ug/l	99
86) p-Isopropyltoluene	12.88	119	218724	50.158	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	129737	51.439	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	122717	50.503	ug/l	97
89) n-Butylbenzene	13.19	91	196565	46.689	ug/l	97
90) Hexachloroethane	13.39	117	63899	54.838	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	101085	47.767	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.76	75	12597	60.078	ug/l	84

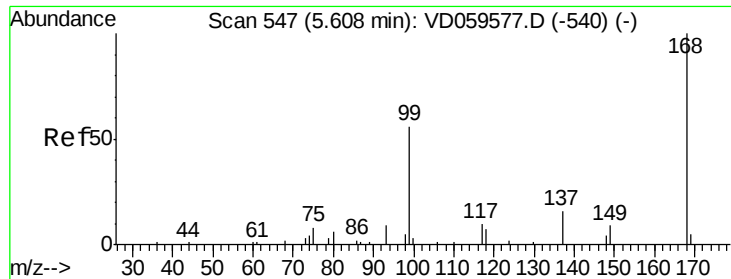
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	93394	53.293	ug/l	95
94) Hexachlorobutadiene	14.43	225	73264	53.000	ug/l	98
95) Naphthalene	14.51	128	132420	53.131	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	83013	52.349	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

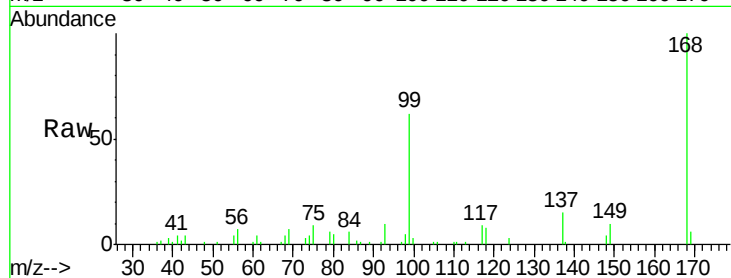
ICVVD072418

Tot Ion:168 Resp: 145783

Ion Ratio Lower Upper

168 100

99 62.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.61

60000

50000

40000

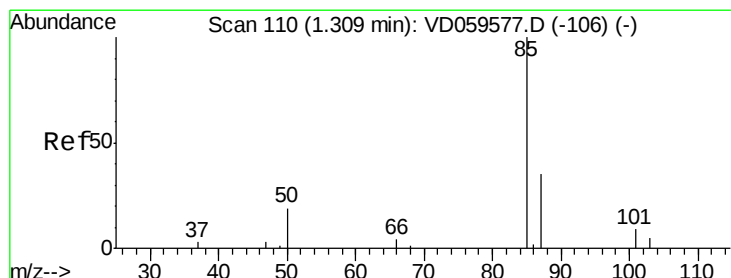
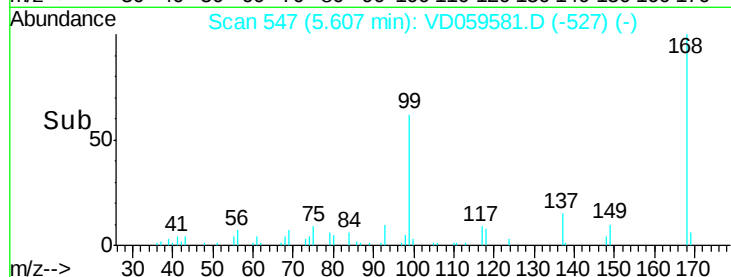
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.958 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.01 min

Lab File: VD059581.D

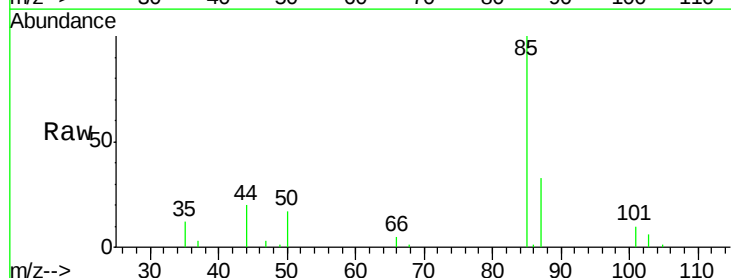
Acq: 24 Jul 2018 20:42

Tgt Ion: 85 Resp: 74619

Ion Ratio Lower Upper

85 100

87 33.0 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.32

40000

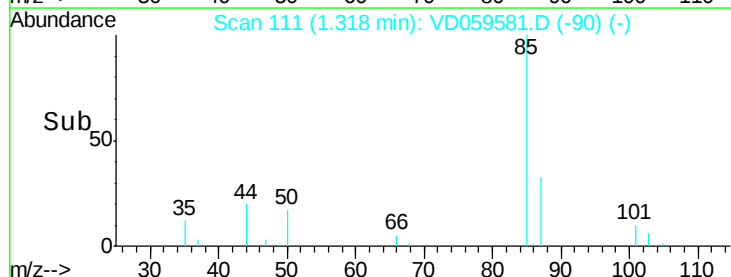
30000

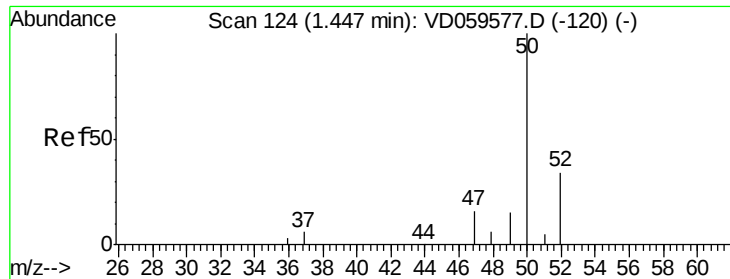
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.095 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

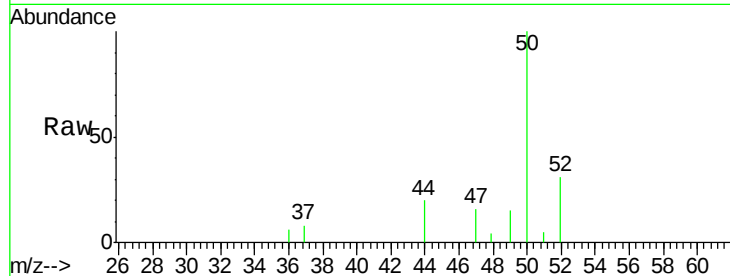
ICVVD072418

Tot Ion: 50 Resp: 39266

Ion Ratio Lower Upper

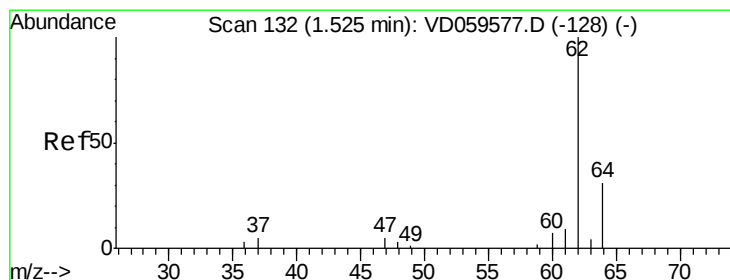
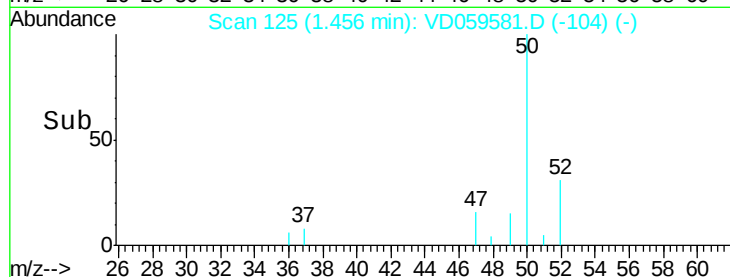
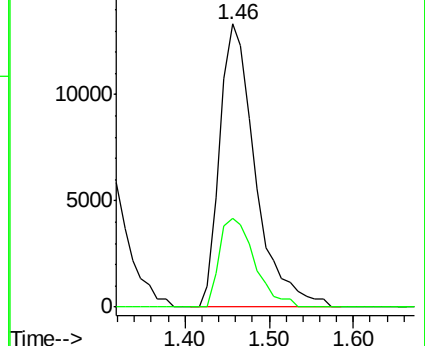
50 100

52 31.4 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.119 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059581.D

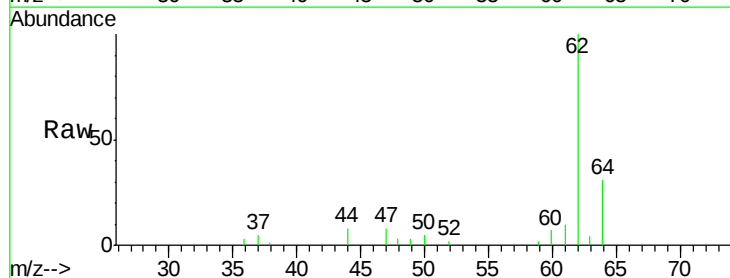
Acq: 24 Jul 2018 20:42

Tgt Ion: 62 Resp: 45626

Ion Ratio Lower Upper

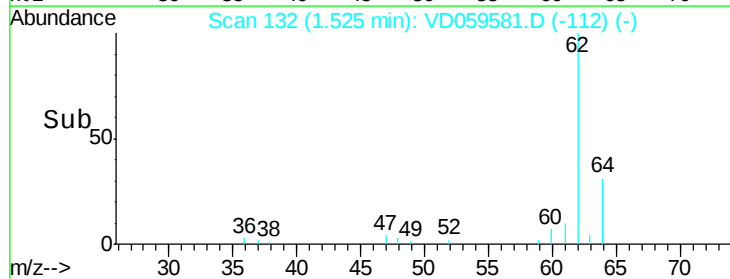
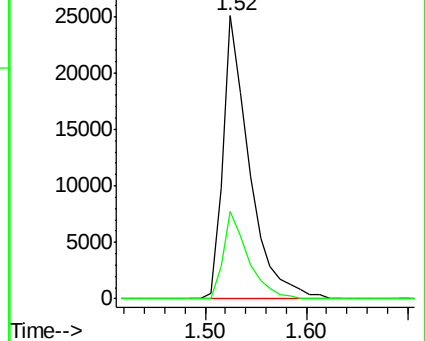
62 100

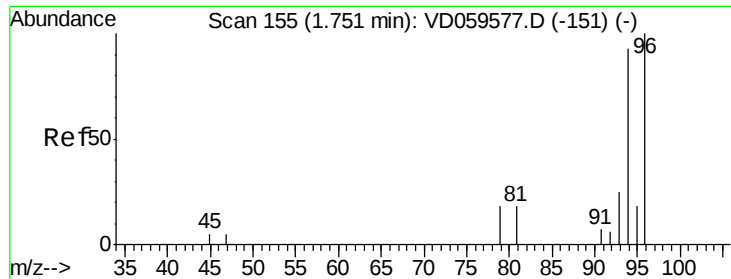
64 30.7 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 65.895 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

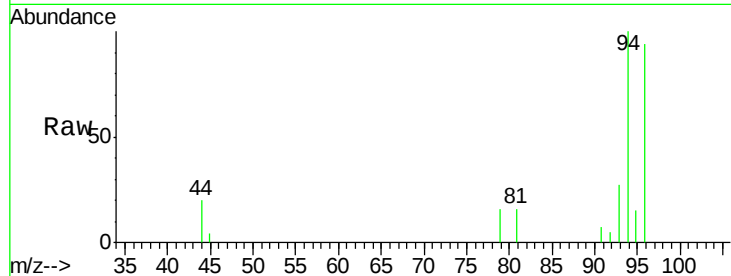
ICVVD072418

Tot Ion: 94 Resp: 11987

Ion Ratio Lower Upper

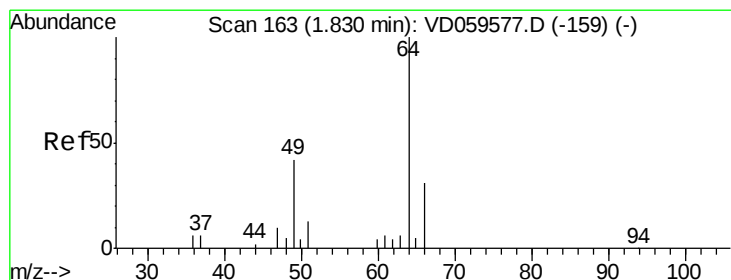
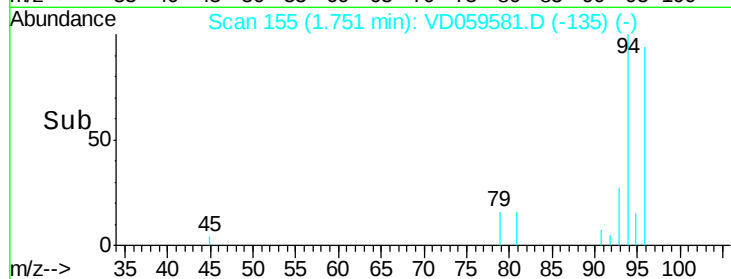
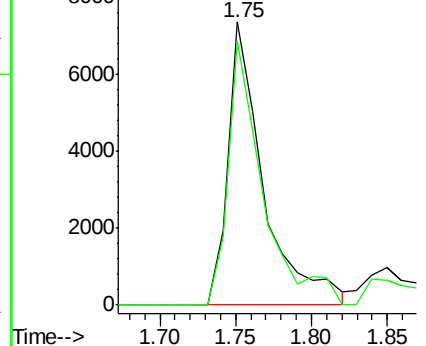
94 100

96 93.5 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 87.424 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059581.D

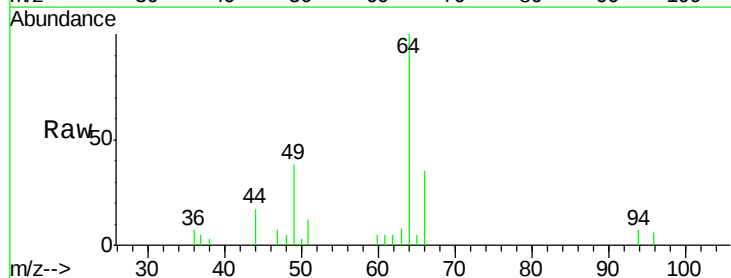
Acq: 24 Jul 2018 20:42

Tgt Ion: 64 Resp: 24250

Ion Ratio Lower Upper

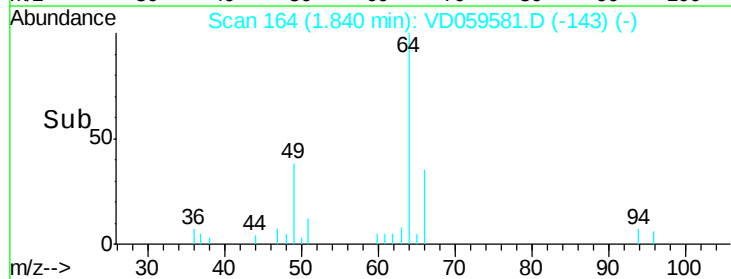
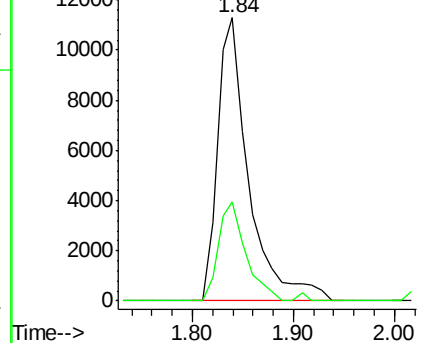
64 100

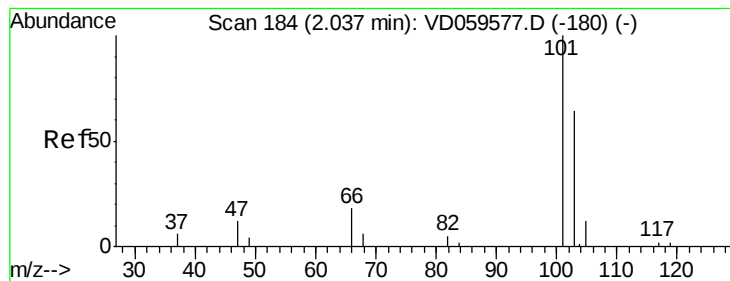
66 35.0 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



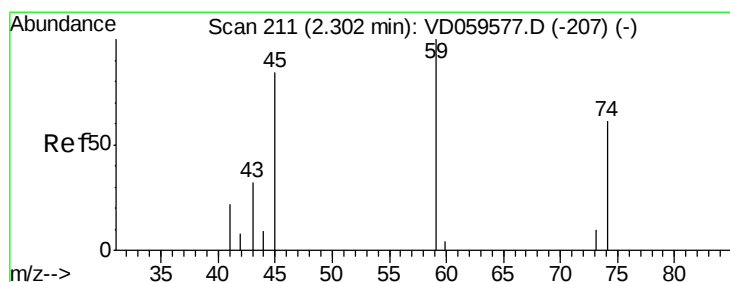
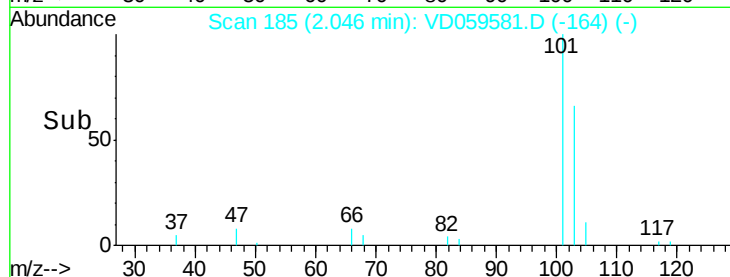
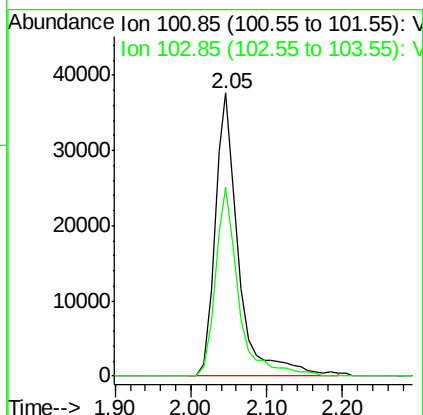
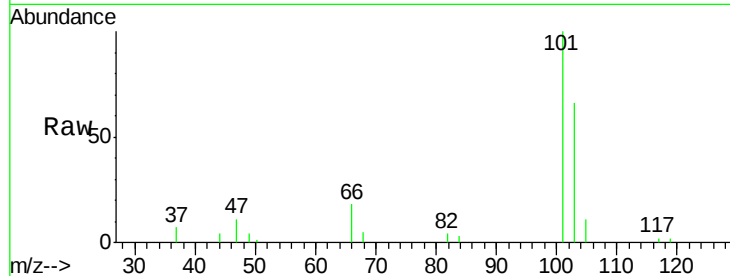


#7

Trichlorofluoromethane
Concen: 50.407 ug/l
RT: 2.05 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

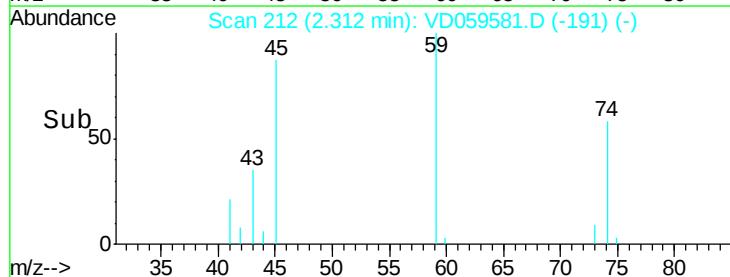
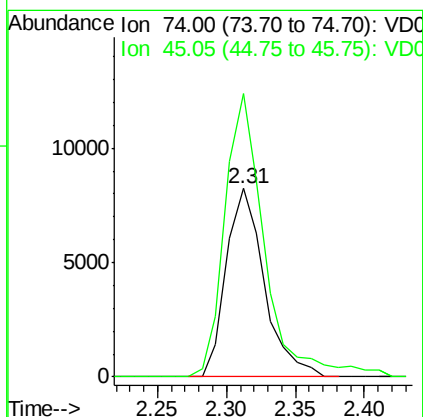
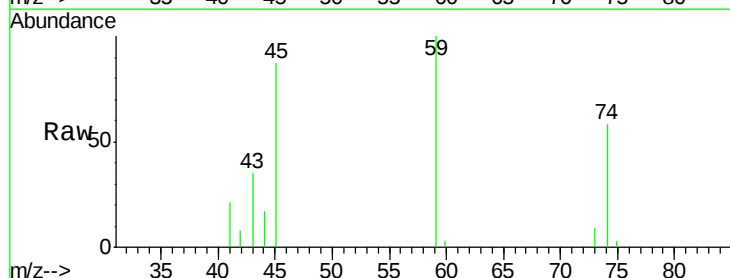
Tot Ion:101 Resp: 81540
Ion Ratio Lower Upper
101 100
103 66.5 50.9 76.3

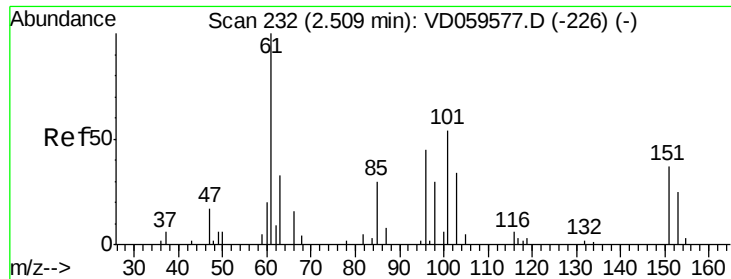


#8

Diethyl Ether
Concen: 51.459 ug/l
RT: 2.31 min Scan# 212
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 74 Resp: 15765
Ion Ratio Lower Upper
74 100
45 150.1 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.870 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

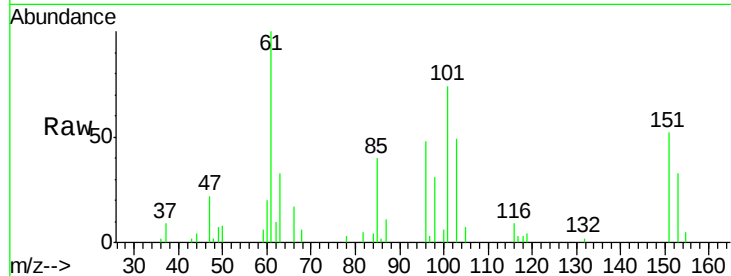
Tot Ion:101 Resp: 42507

Ion Ratio Lower Upper

101 100

85 53.7 44.5 66.7

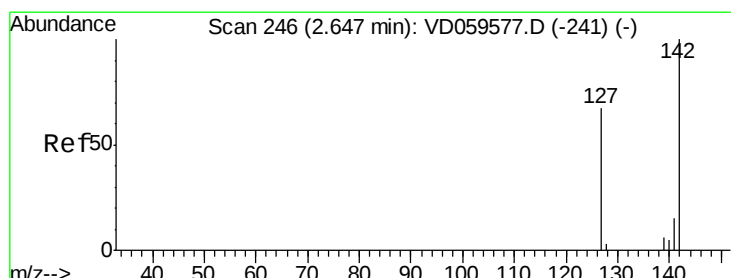
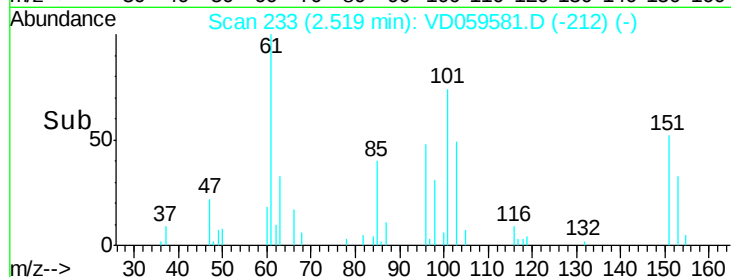
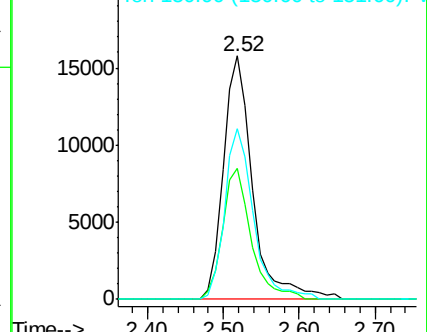
151 70.2 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.024 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

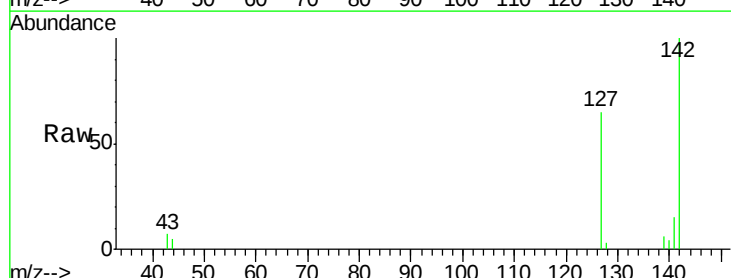
Tgt Ion:142 Resp: 56479

Ion Ratio Lower Upper

142 100

127 65.1 53.6 80.4

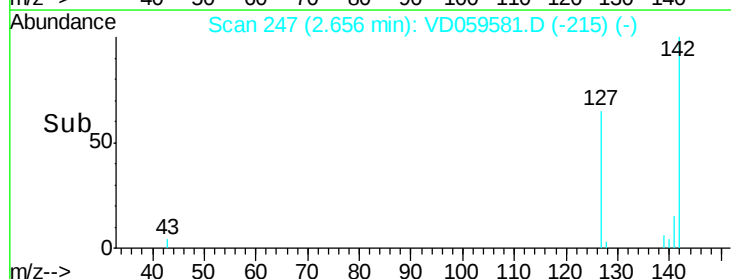
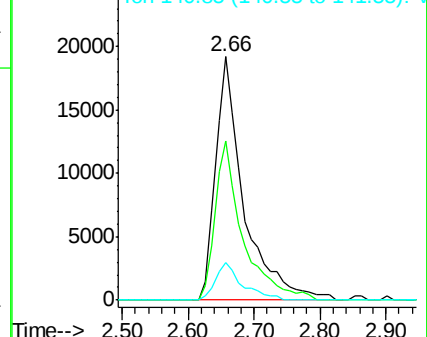
141 15.4 12.2 18.2

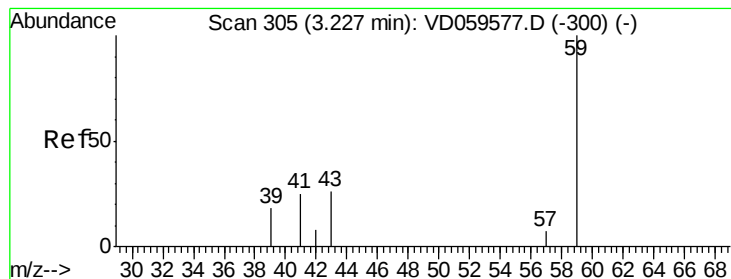


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 258.193 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

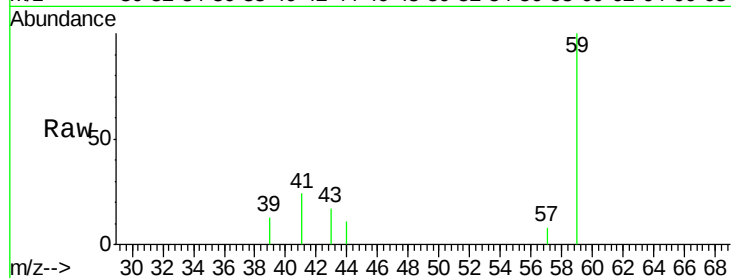
ICVVD072418

Tot Ion: 59 Resp: 18878

Ion Ratio Lower Upper

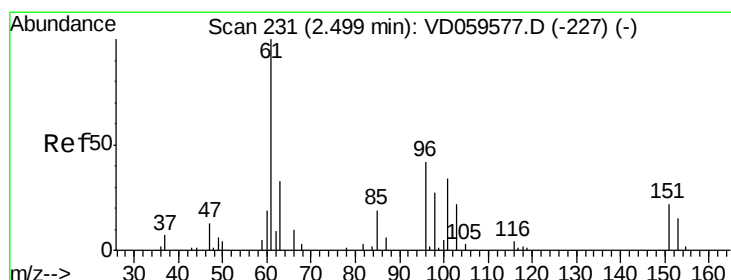
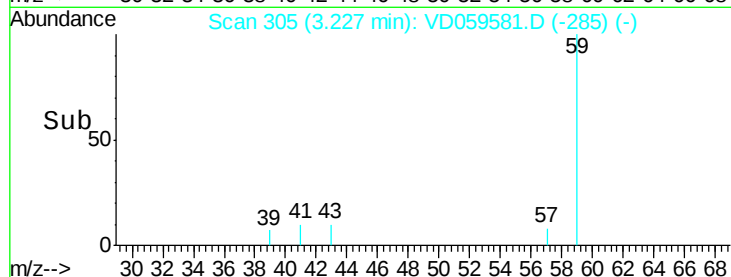
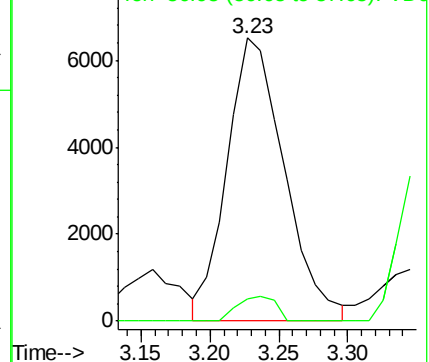
59 100

57 7.9 5.5 8.3



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 51.500 ug/l

RT: 2.51 min Scan# 232

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

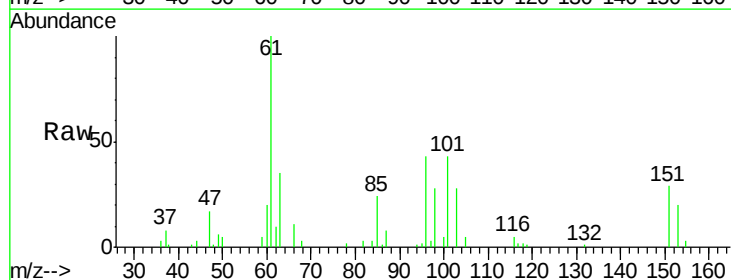
Tgt Ion: 96 Resp: 31818

Ion Ratio Lower Upper

96 100

61 233.5 188.8 283.2

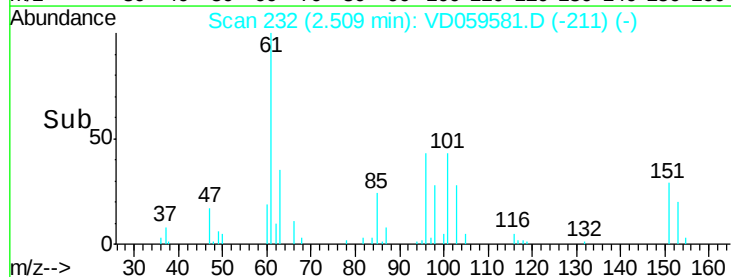
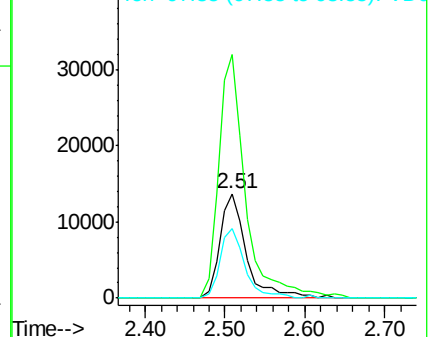
98 66.4 51.4 77.2

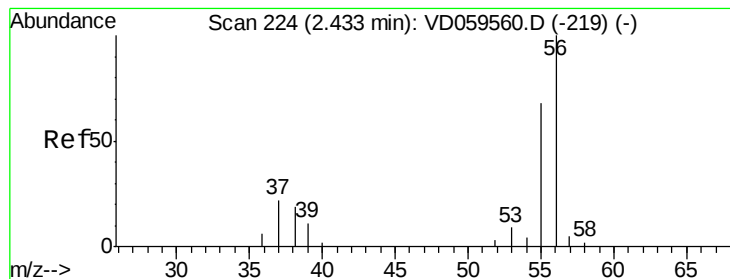


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 224.513 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

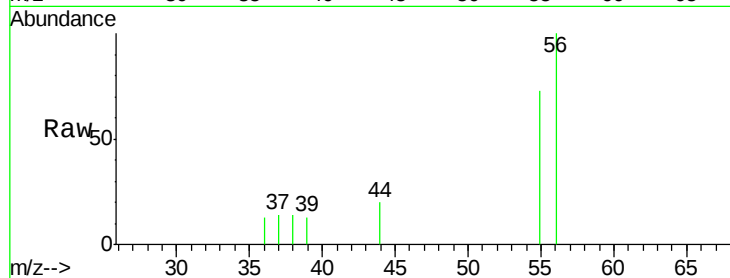
ICVVD072418

Tot Ion: 56 Resp: 8457

Ion Ratio Lower Upper

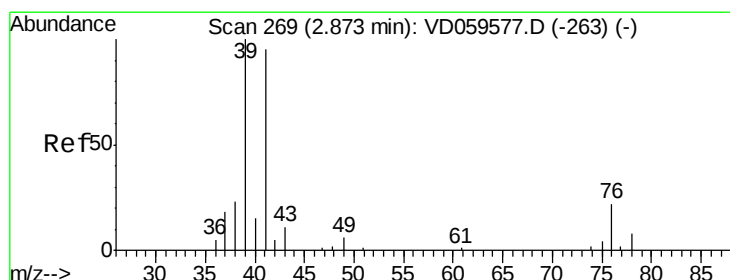
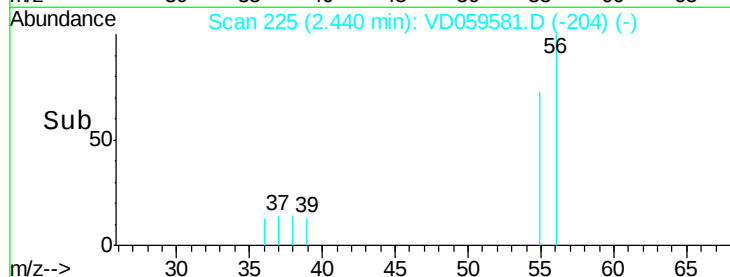
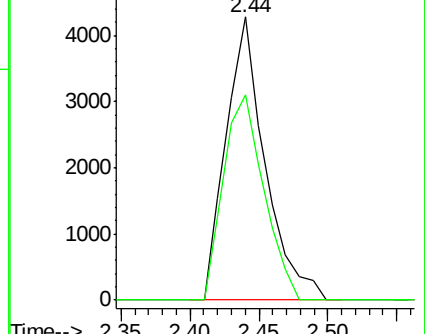
56 100

55 72.6 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.686 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

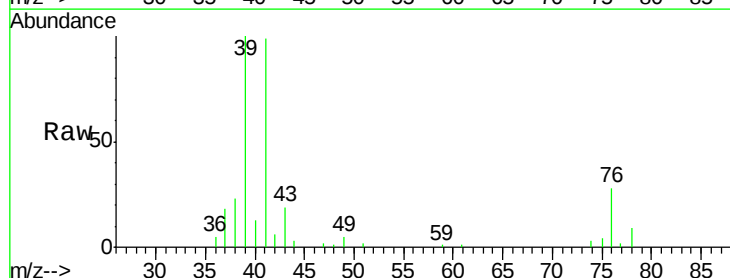
Tgt Ion: 41 Resp: 78925

Ion Ratio Lower Upper

41 100

39 101.5 83.8 125.8

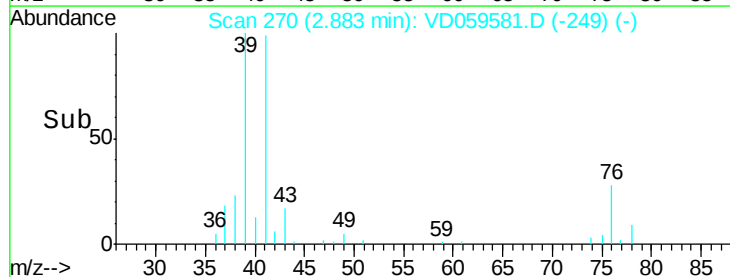
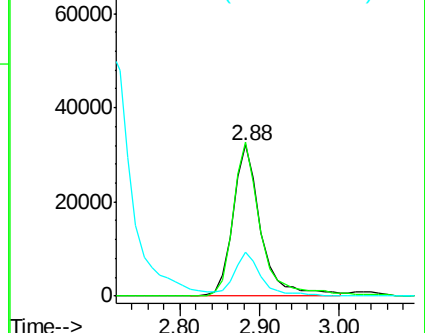
76 28.8 22.2 33.4

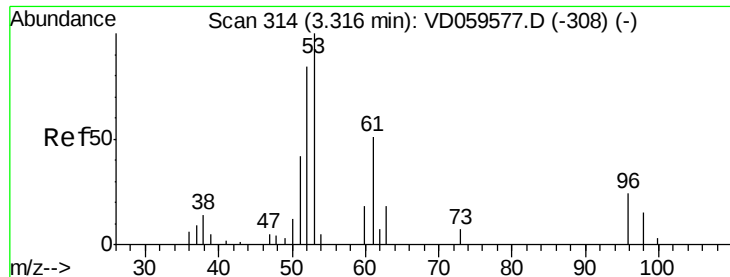


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 273.353 ug/l

RT: 3.32 min Scan# 314

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

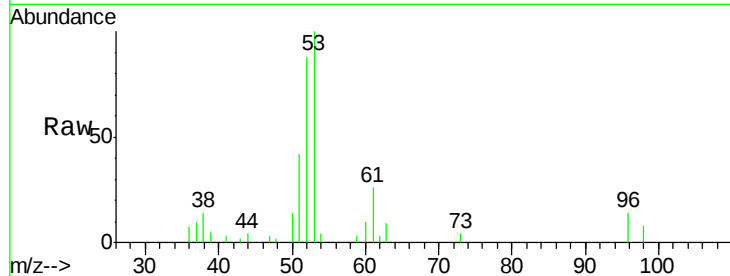
Tot Ion: 53 Resp: 43346

Ion Ratio Lower Upper

53 100

52 88.4 67.6 101.4

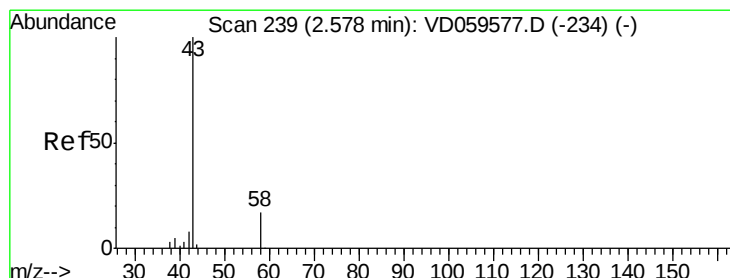
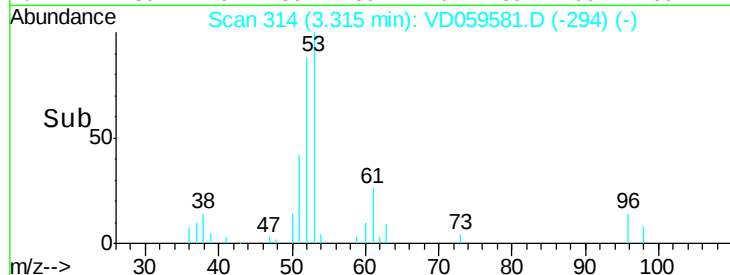
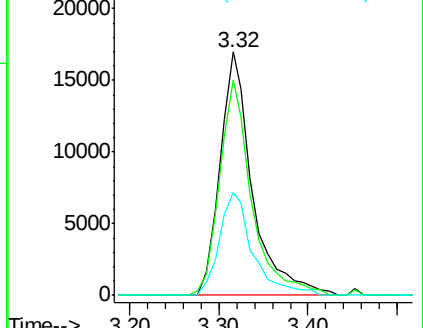
51 42.3 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 276.658 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059581.D

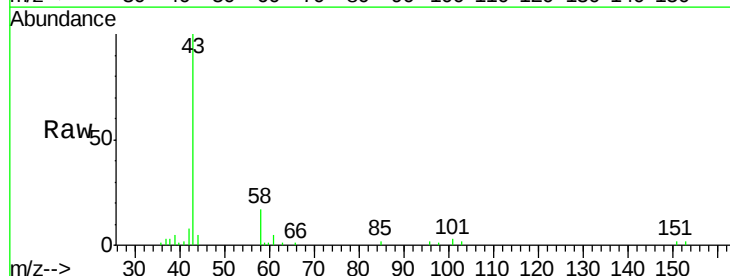
Acq: 24 Jul 2018 20:42

Tgt Ion: 43 Resp: 76573

Ion Ratio Lower Upper

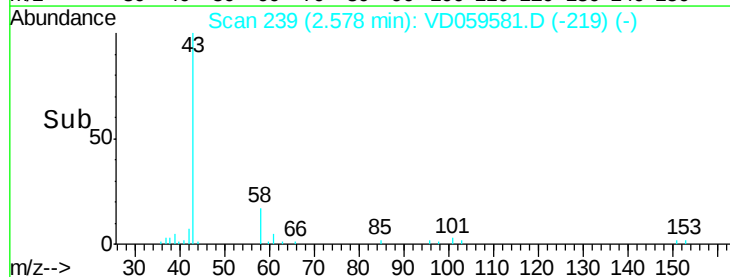
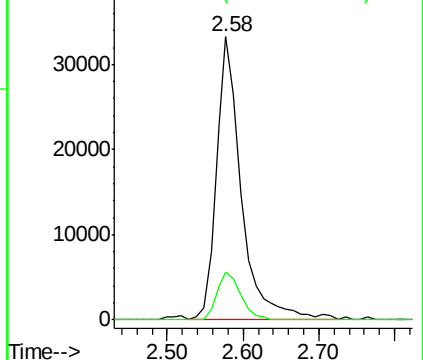
43 100

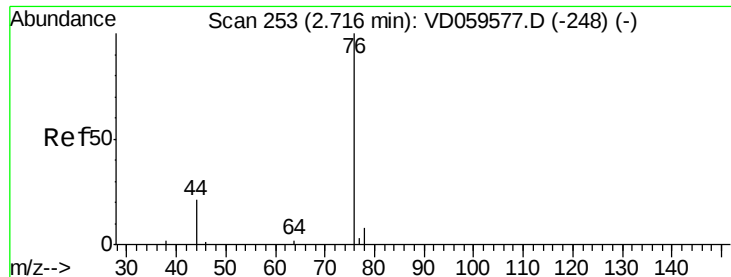
58 16.8 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

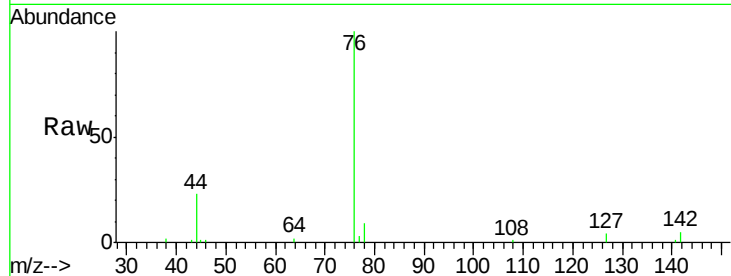




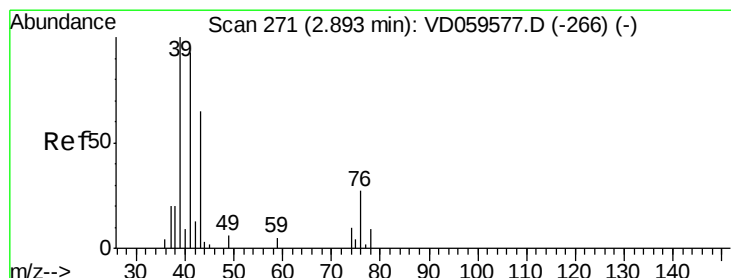
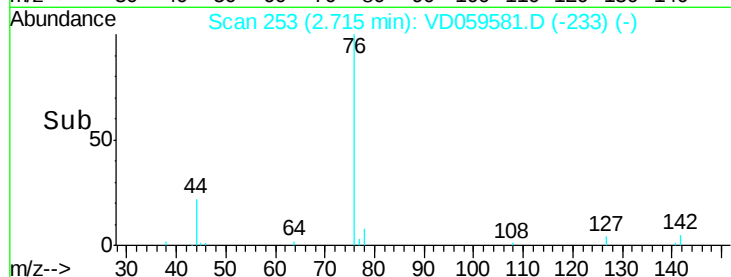
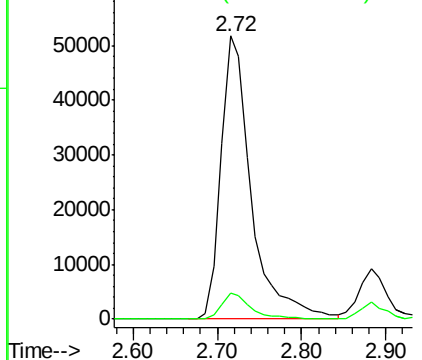
#17
Carbon Disulfide
Concen: 52.827 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion: 76 Resp: 129636
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2

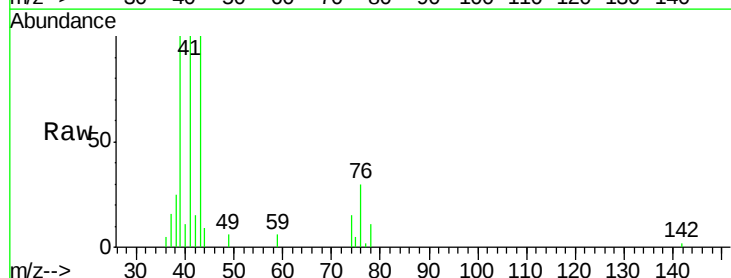


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

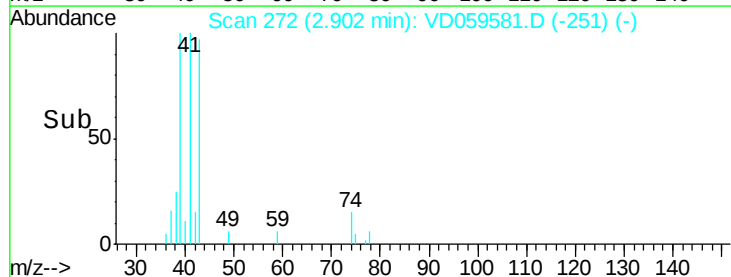
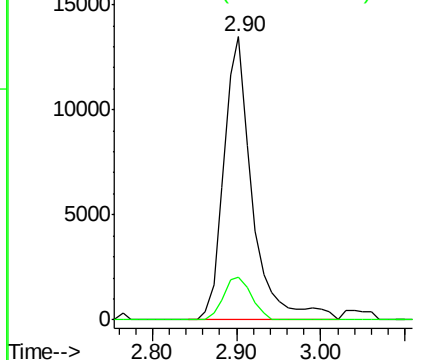


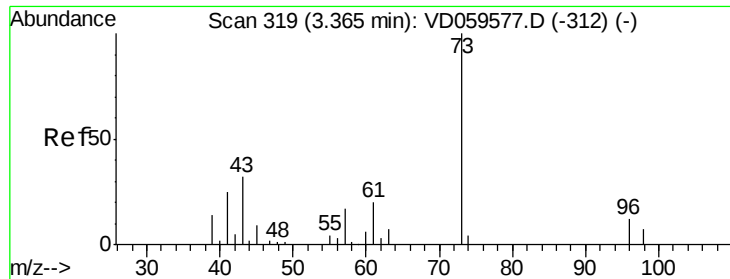
#18
Methyl Acetate
Concen: 57.008 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 43 Resp: 31553
Ion Ratio Lower Upper
43 100
74 15.0 13.0 19.4



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

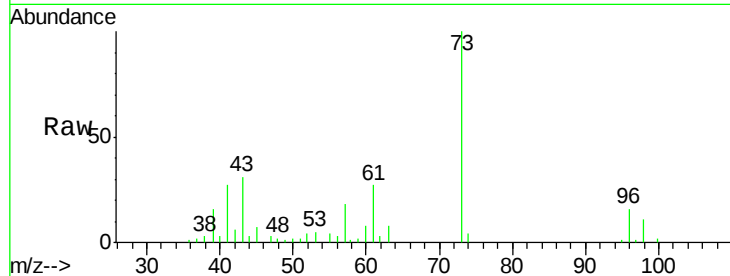




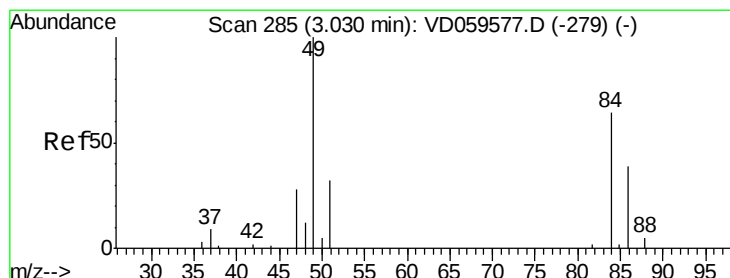
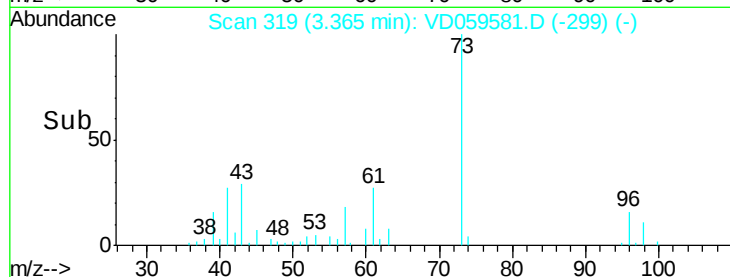
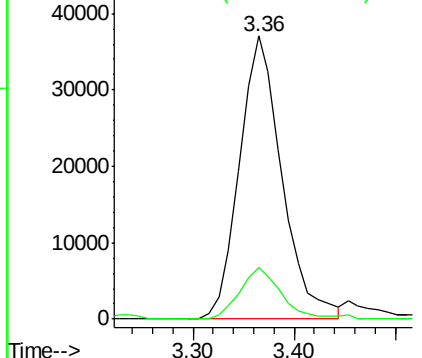
#19
Methvl tert-butvl Ether
Concen: 52.419 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion: 73 Resp: 108549
Ion Ratio Lower Upper
73 100
57 18.3 13.4 20.2

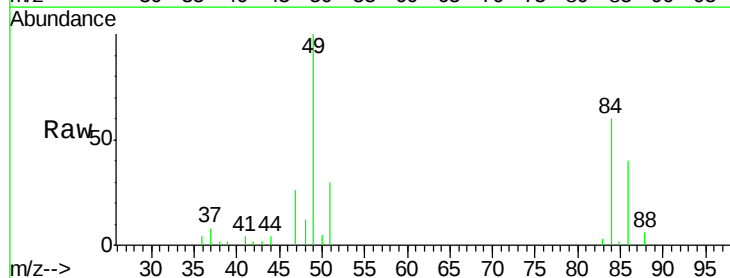


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

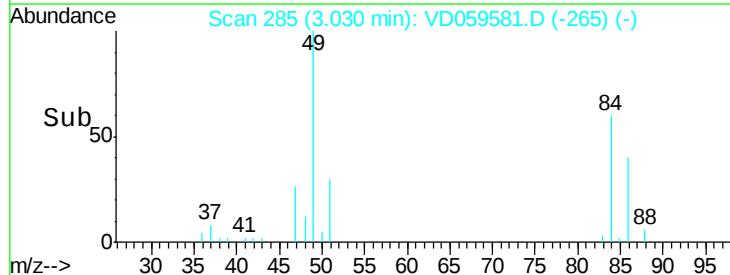
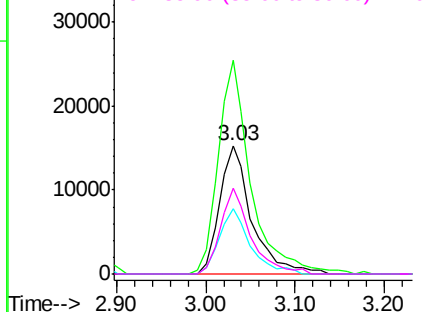


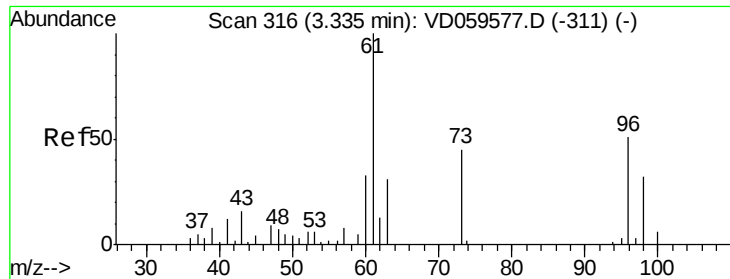
#20
Methylene Chloride
Concen: 48.985 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 84 Resp: 38659
Ion Ratio Lower Upper
84 100
49 166.3 125.4 188.2
51 50.4 39.7 59.5
86 66.8 49.1 73.7



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





#21

trans-1,2-Dichloroethene

Concen: 53.347 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

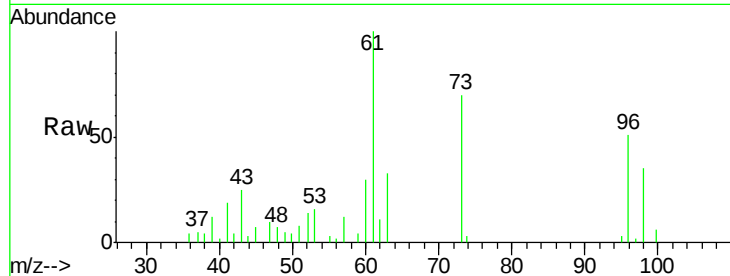
Tot Ion: 96 Resp: 35540

Ion Ratio Lower Upper

96 100

61 195.3 155.8 233.6

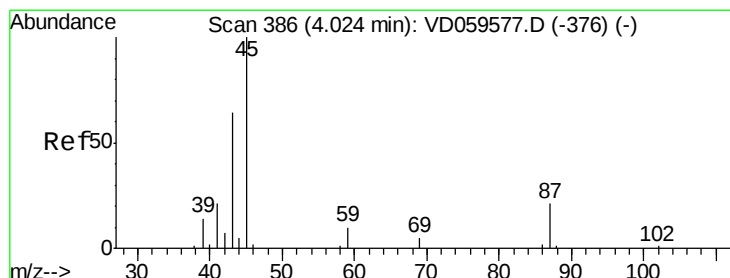
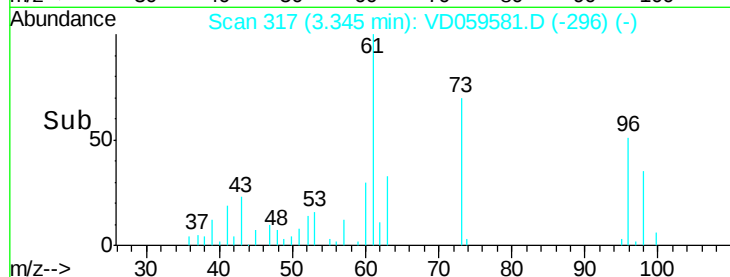
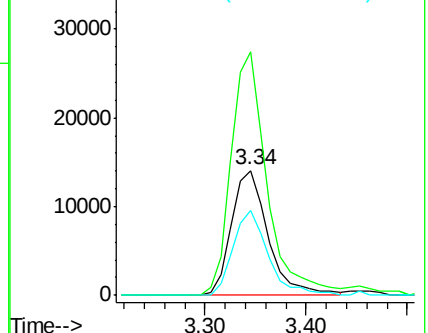
98 68.3 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.454 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Tgt Ion: 45 Resp: 194807

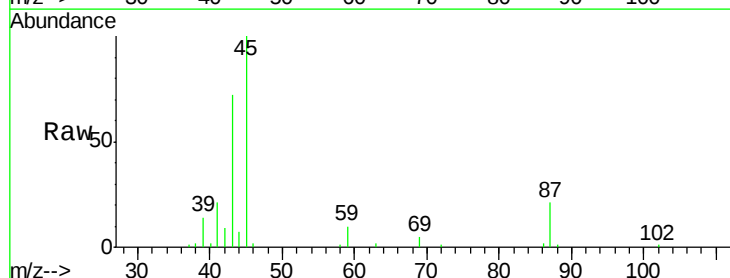
Ion Ratio Lower Upper

45 100

43 71.7 59.4 89.2

87 21.0 16.7 25.1

59 9.9 8.2 12.4

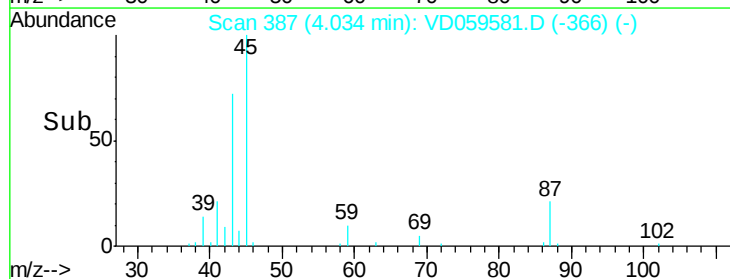
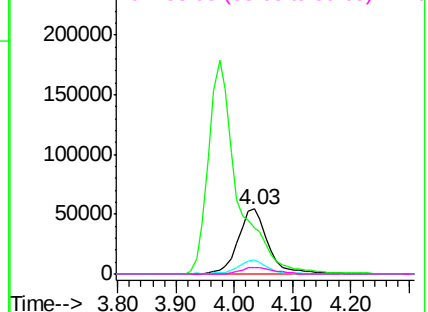


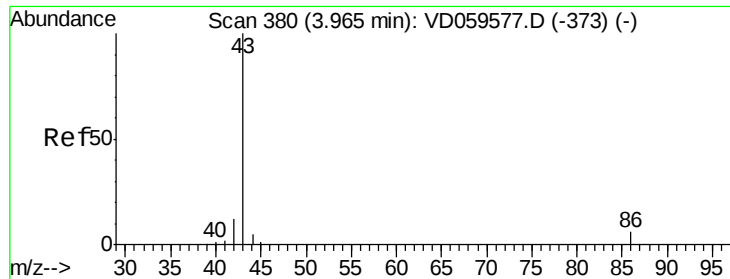
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 248.549 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

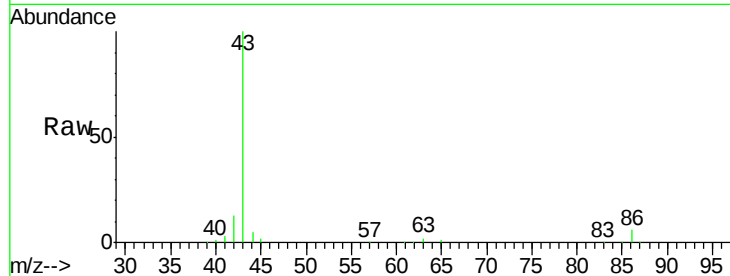
ICVVD072418

Tot Ion: 43 Resp: 621386

Ion Ratio Lower Upper

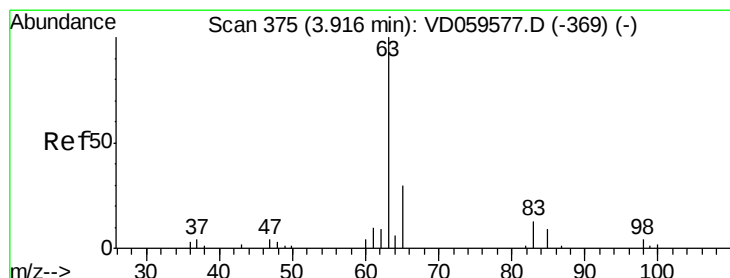
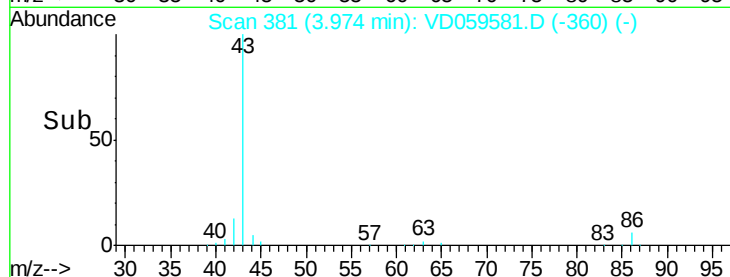
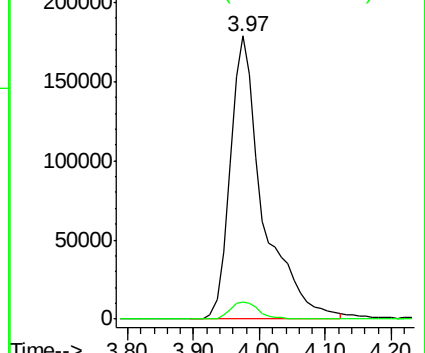
43 100

86 6.2 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.637 ug/l

RT: 3.93 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

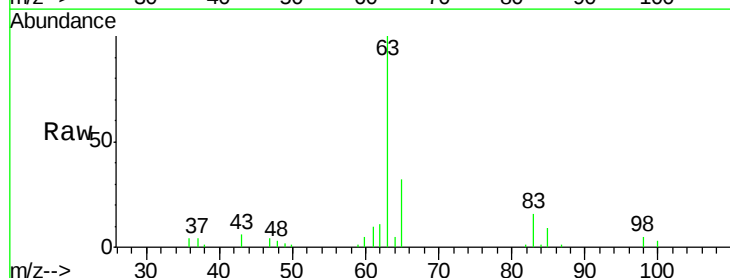
Tgt Ion: 63 Resp: 123435

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

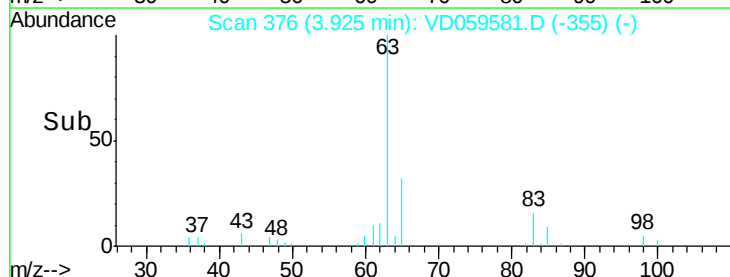
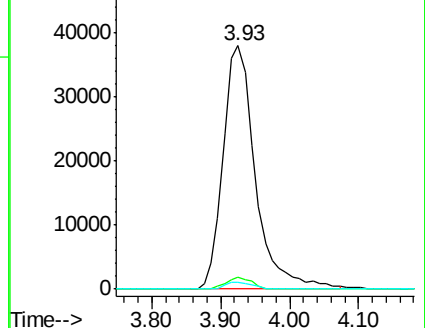
100 2.9 1.1 3.3

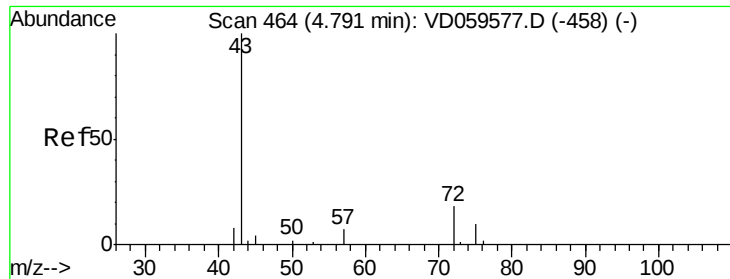


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 251.786 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

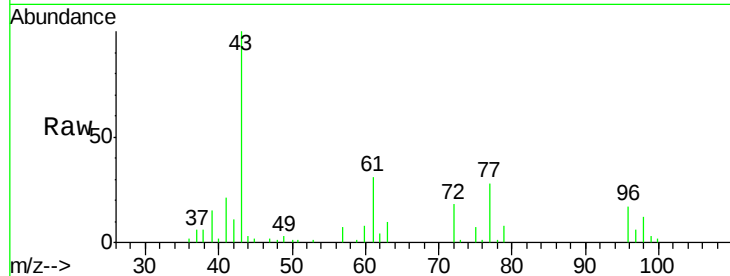
ICVVD072418

Tot Ion: 43 Resp: 106273

Ion Ratio Lower Upper

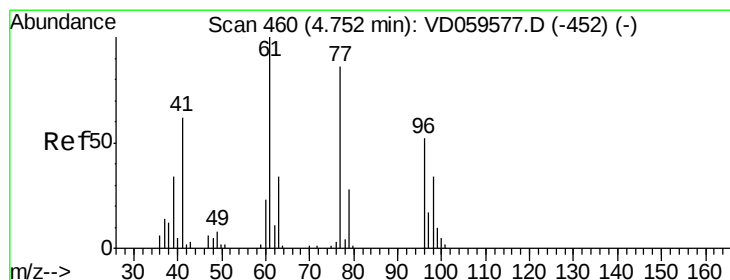
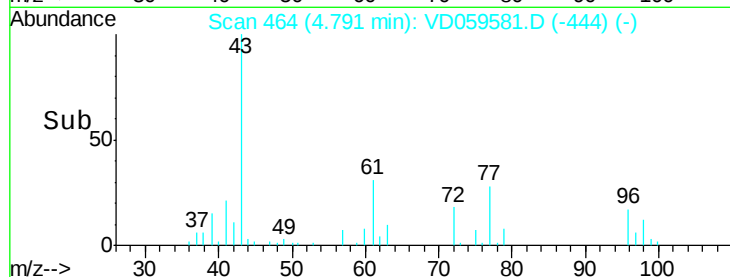
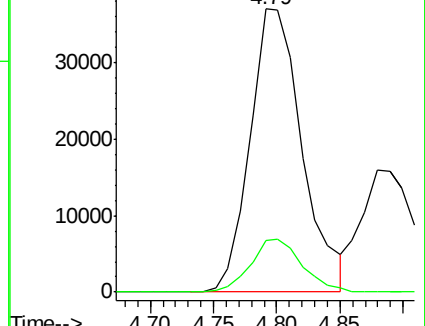
43 100

72 18.3 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.549 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059581.D

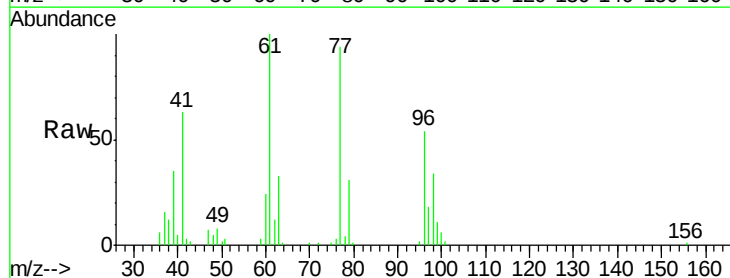
Acq: 24 Jul 2018 20:42

Tgt Ion: 77 Resp: 123642

Ion Ratio Lower Upper

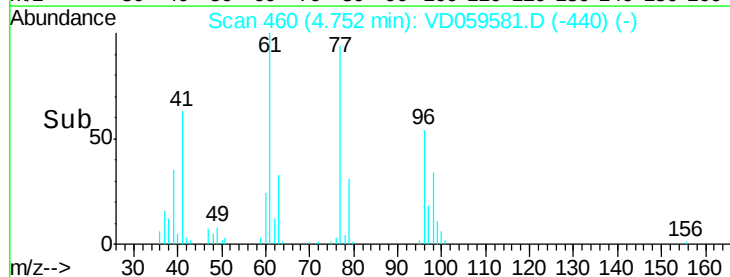
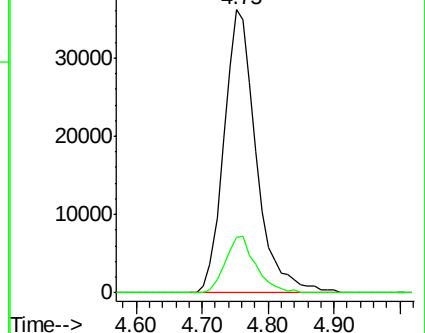
77 100

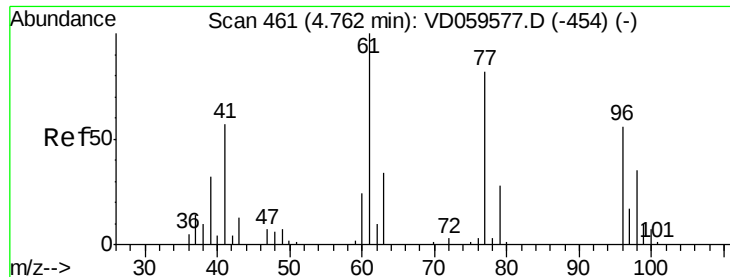
97 19.6 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



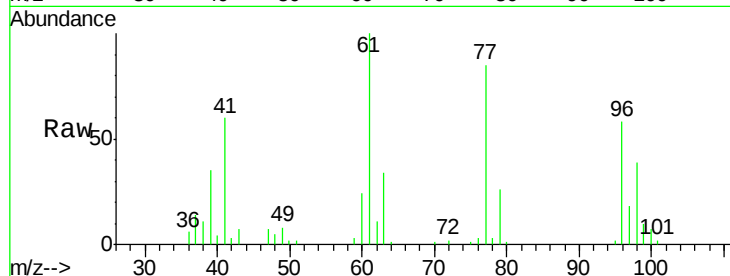


#27

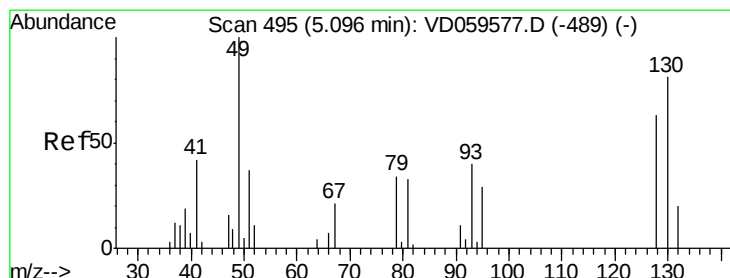
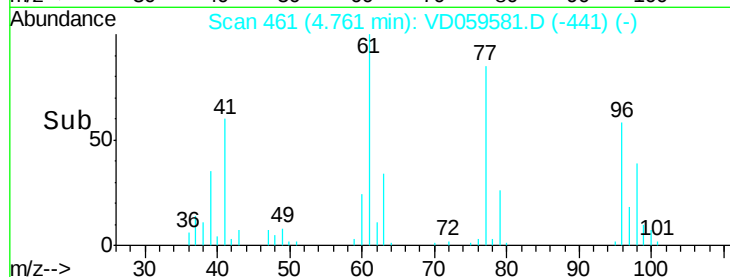
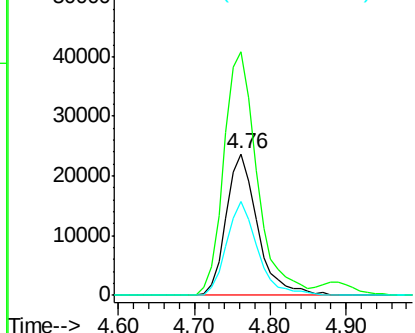
cis-1,2-Dichloroethene
 Concen: 51.158 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

Tot Ion: 96 Resp: 68077
 Ion Ratio Lower Upper
 96 100
 61 172.4 0.0 355.0
 98 66.6 0.0 125.8



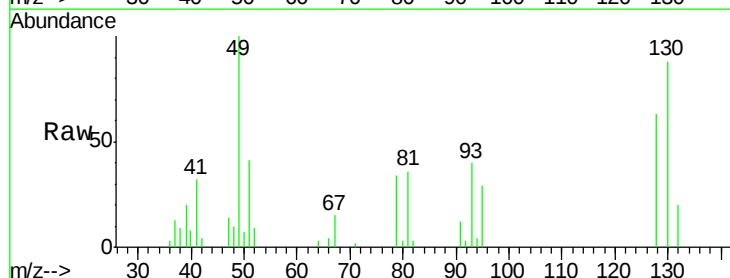
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



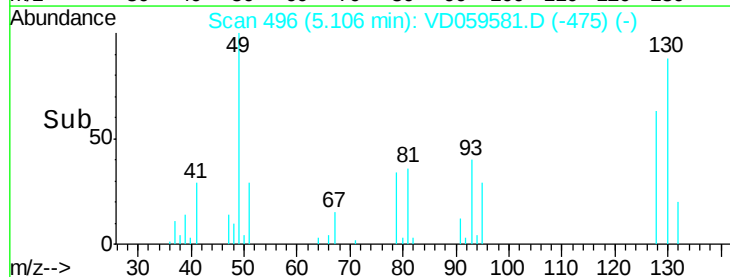
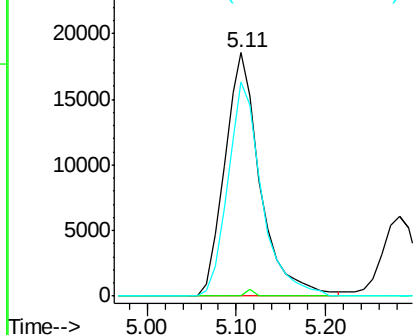
#28

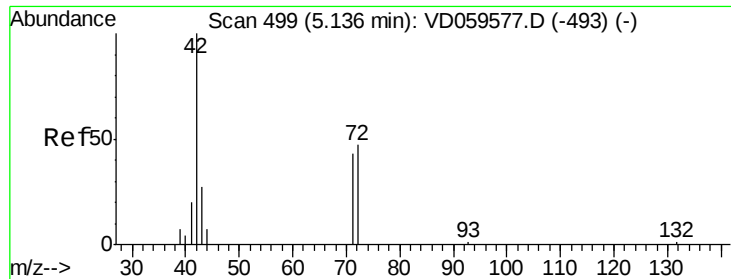
Bromochloromethane
 Concen: 52.329 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 49 Resp: 51490
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 87.9 64.6 96.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 245.368 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

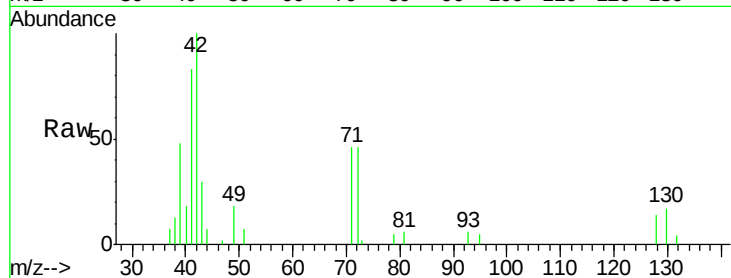
Tot Ion: 42 Resp: 47953

Ion Ratio Lower Upper

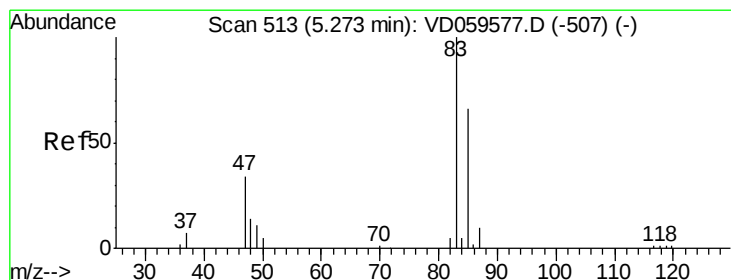
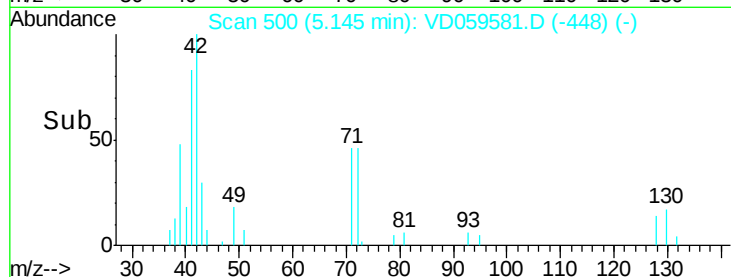
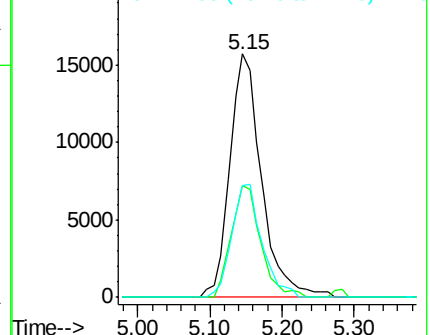
42 100

72 42.4 35.0 52.4

71 43.9 34.2 51.2



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



#30

Chloroform

Concen: 49.653 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD059581.D

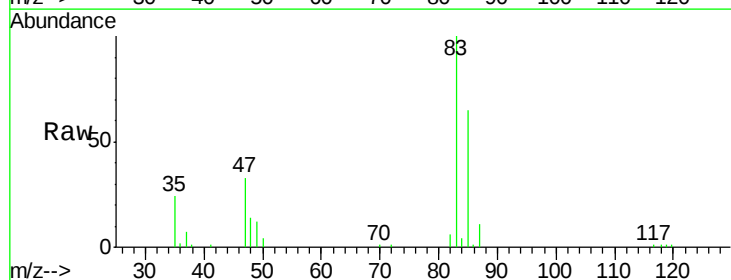
Acq: 24 Jul 2018 20:42

Tgt Ion: 83 Resp: 147681

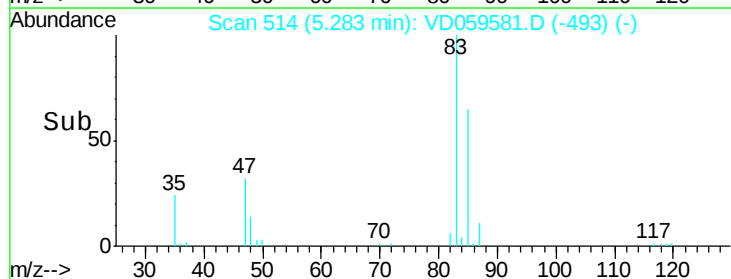
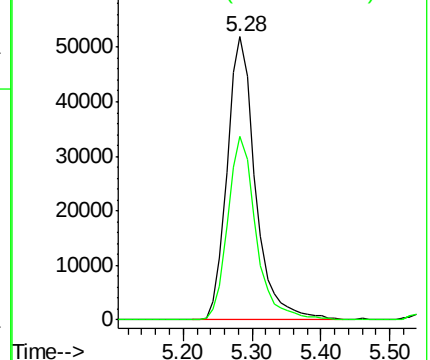
Ion Ratio Lower Upper

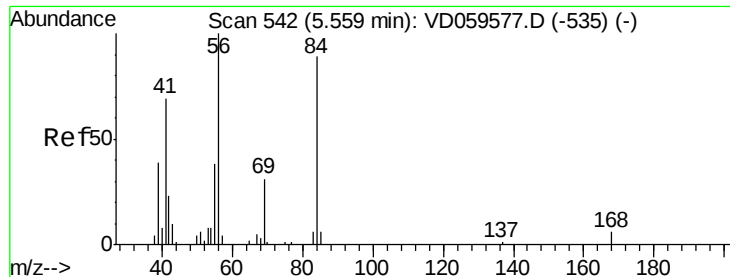
83 100

85 65.0 53.0 79.6



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

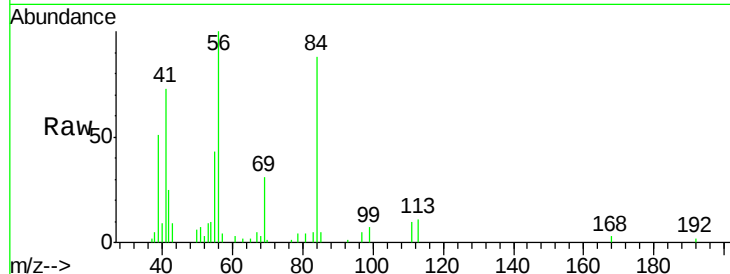




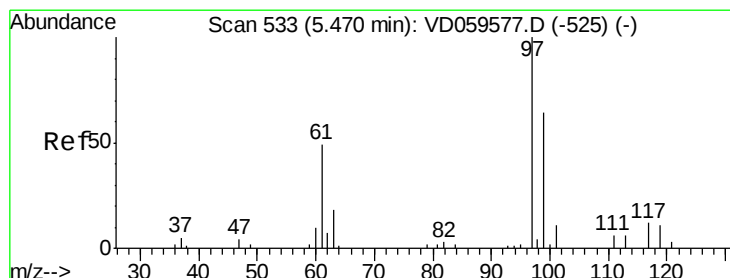
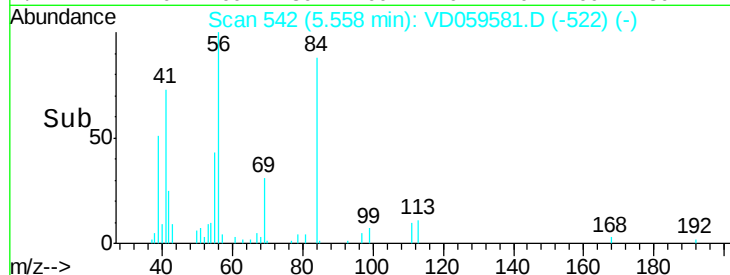
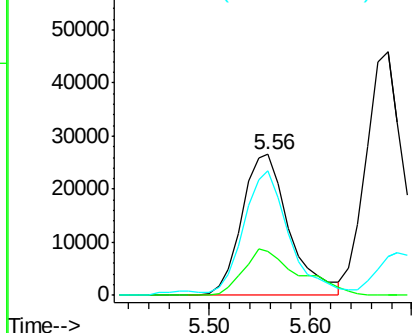
#31
Cyclohexane
Concen: 55.158 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion: 56 Resp: 87100
Ion Ratio Lower Upper
56 100
69 31.4 24.6 37.0
84 88.4 72.7 109.1

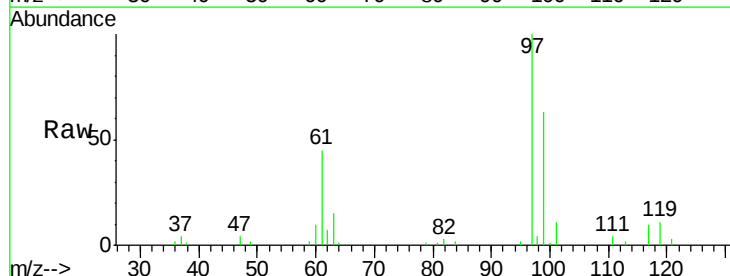


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

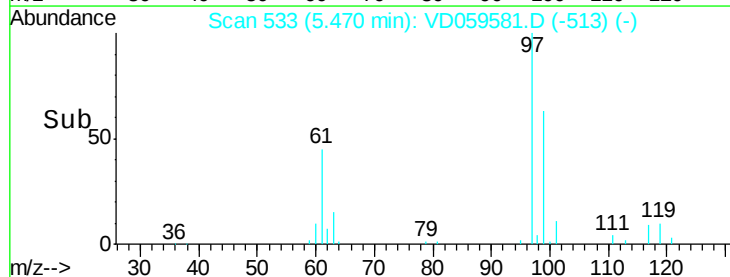
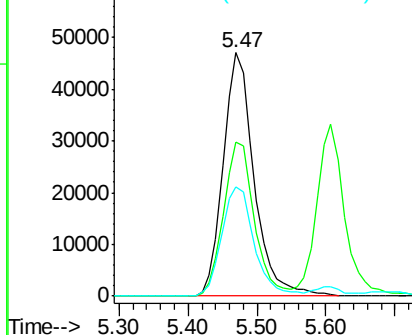


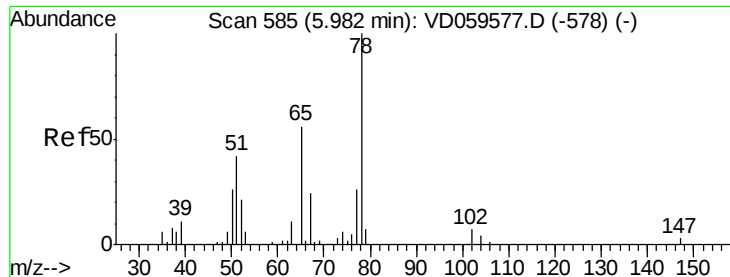
#32
1,1,1-Trichloroethane
Concen: 50.685 ug/l
RT: 5.47 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 97 Resp: 145948
Ion Ratio Lower Upper
97 100
99 63.1 50.9 76.3
61 45.1 39.2 58.8



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

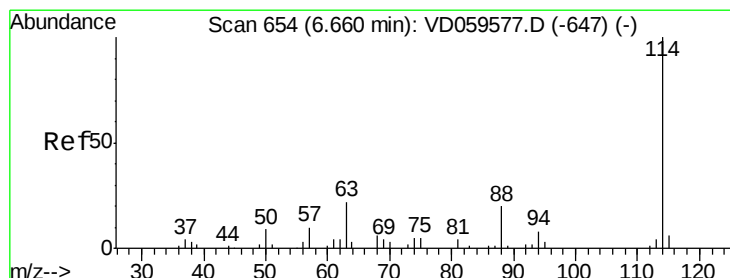
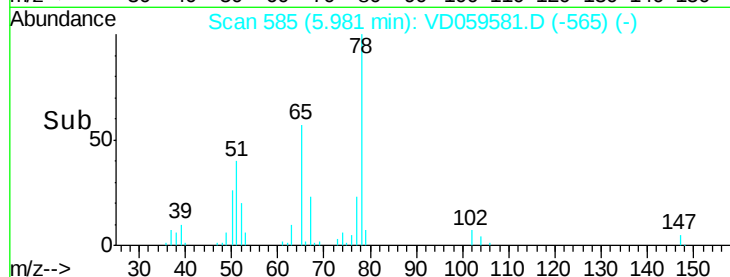
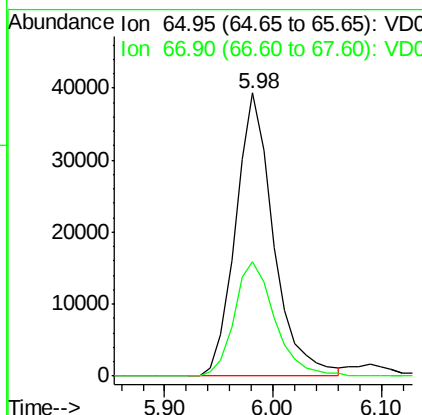
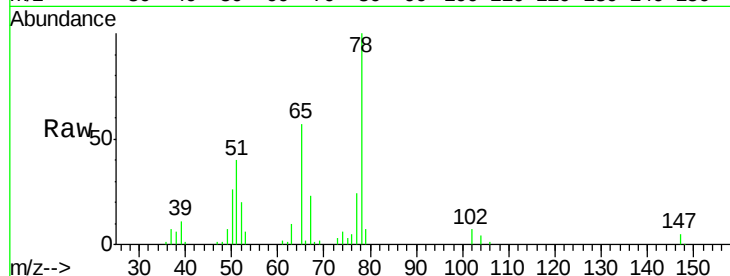




#33
 1,2-Dichloroethane-d4
 Concen: 50.685 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

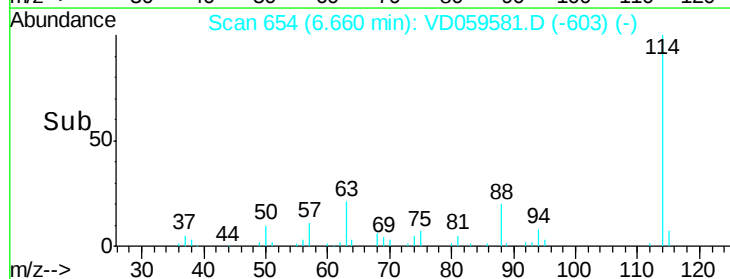
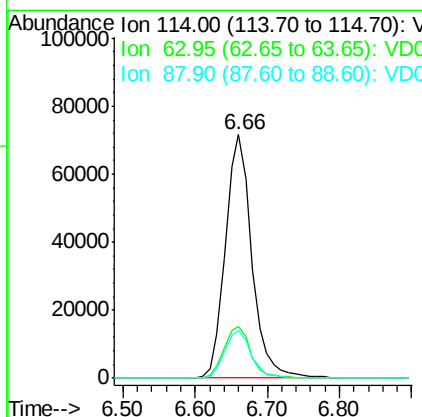
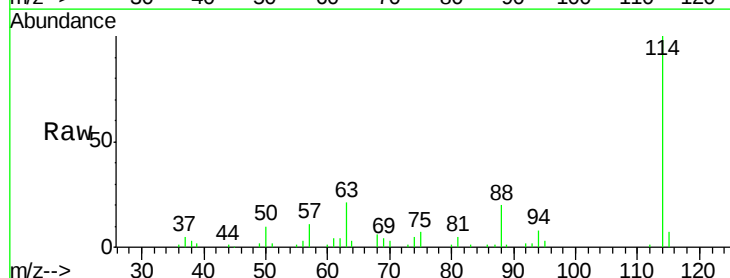
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

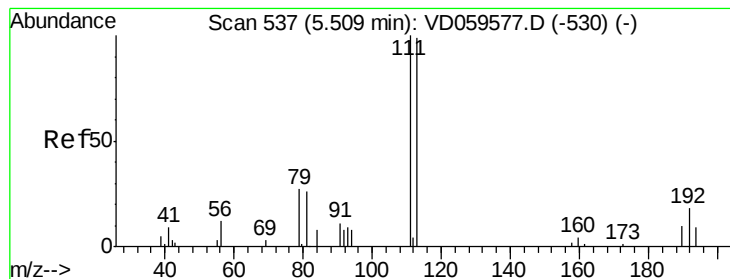
Tot Ion: 65 Resp: 96021
 Ion Ratio Lower Upper
 65 100
 67 40.6 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 114 Resp: 182023
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.8
 88 19.5 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

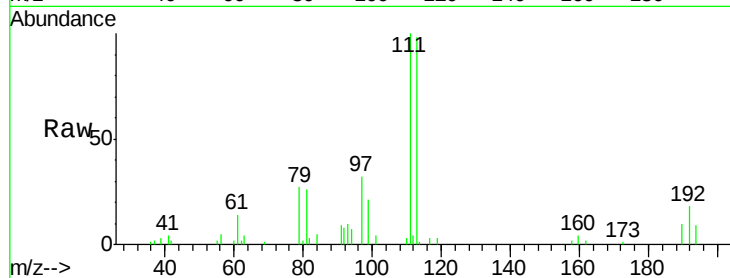
Tot Ion:113 Resp: 85457

Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

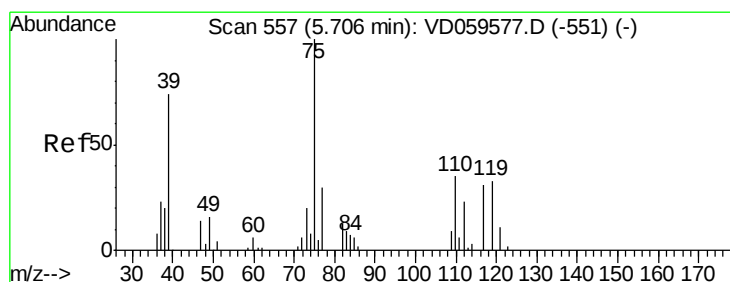
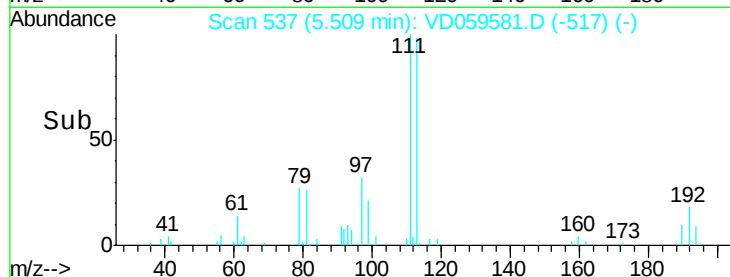
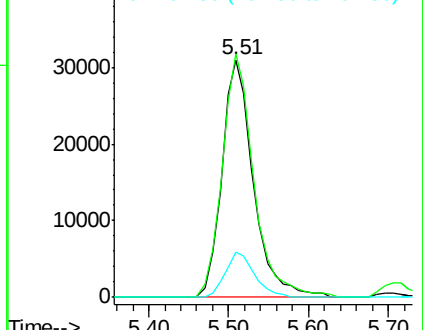
192 18.9 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.828 ug/l

RT: 5.71 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

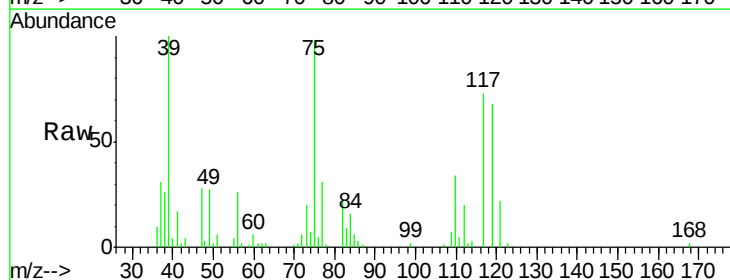
Tgt Ion: 75 Resp: 96491

Ion Ratio Lower Upper

75 100

110 34.8 17.0 50.9

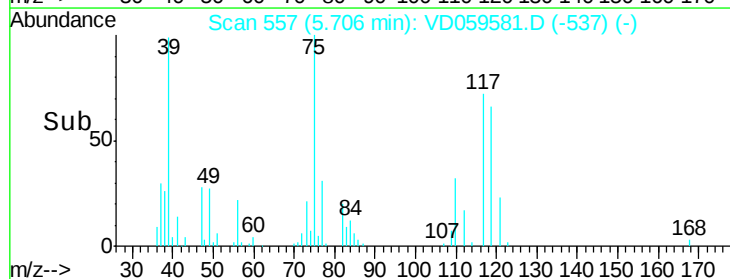
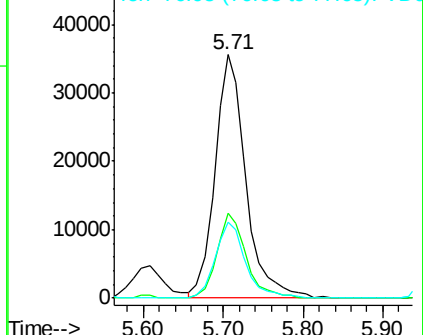
77 31.2 23.6 35.4

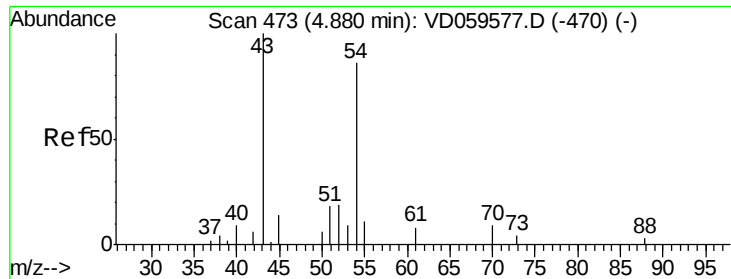


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

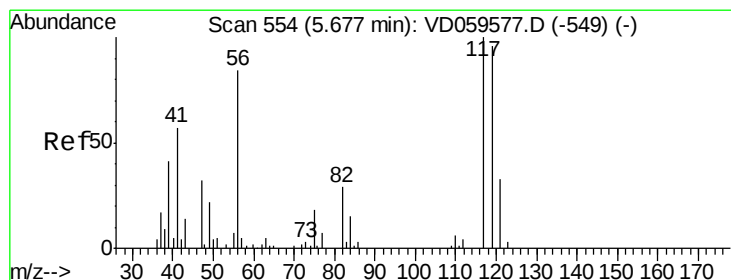
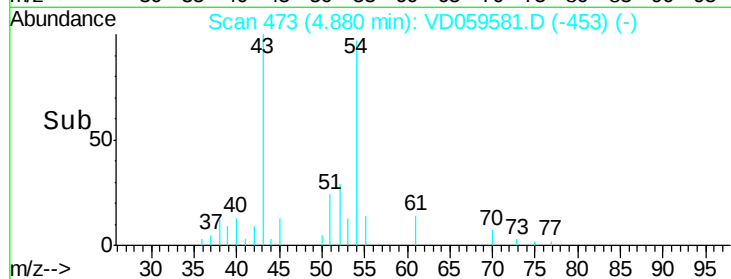
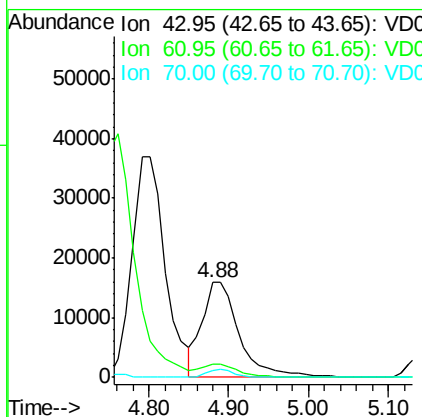
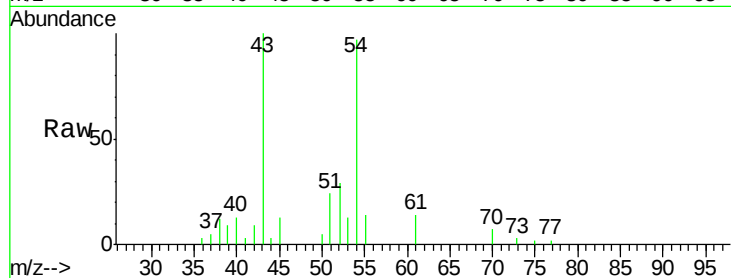




#37
Ethyl Acetate
Concen: 55.266 ug/l
RT: 4.88 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

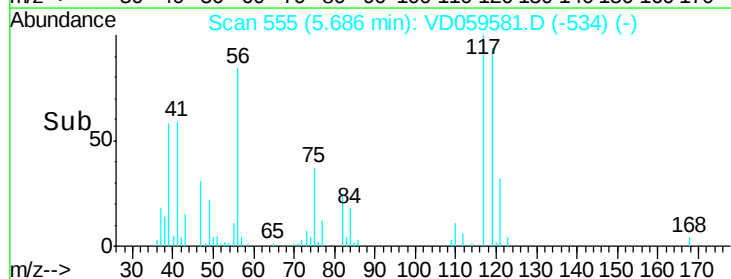
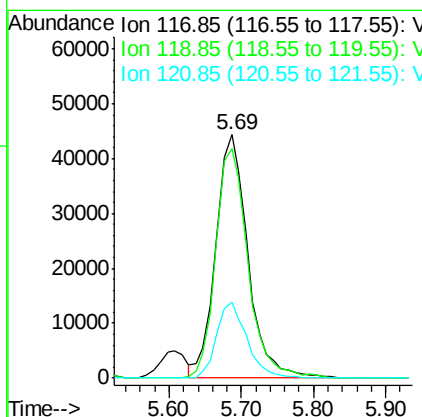
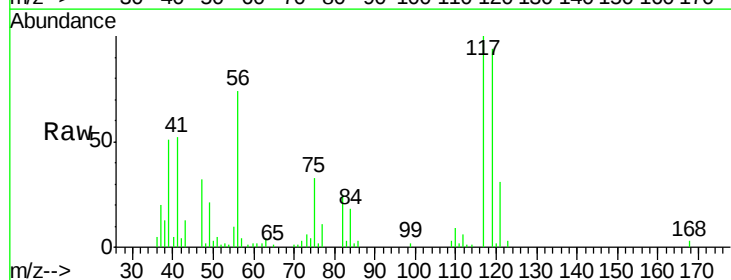
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

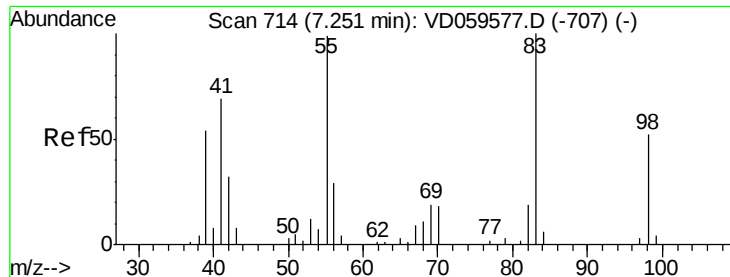
Tot Ion: 43 Resp: 51927
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 6.9 5.4 8.0



#38
Carbon Tetrachloride
Concen: 54.585 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 117 Resp: 136524
Ion Ratio Lower Upper
117 100
119 94.5 73.6 110.4
121 31.2 25.0 37.6

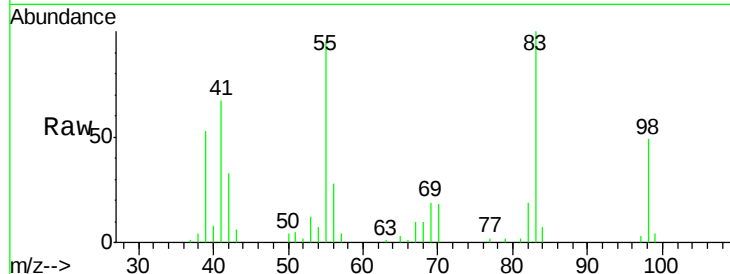




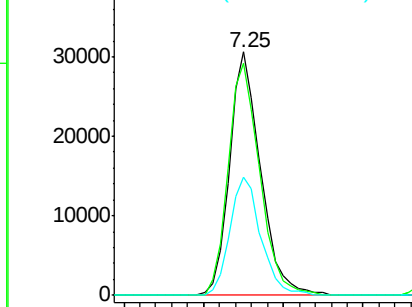
#39
Methvlcvclohexane
Concen: 49.483 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

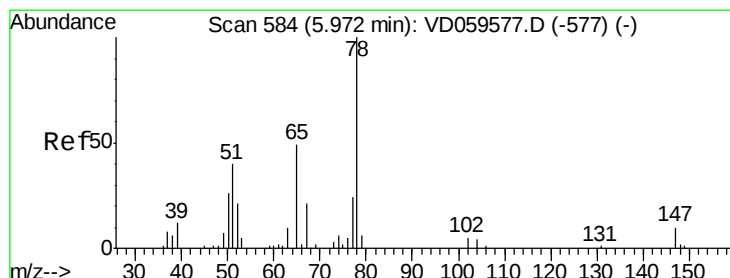
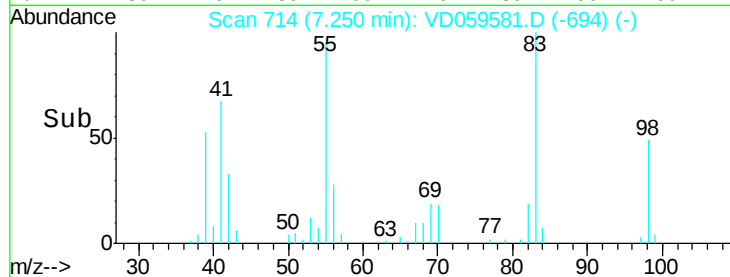
Tot Ion: 83 Resp: 83113
Ion Ratio Lower Upper
83 100
55 95.3 79.4 119.0
98 48.6 41.6 62.4



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

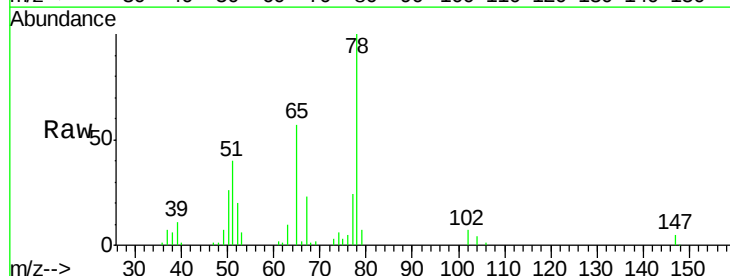


Time--> 7.10 7.20 7.30 7.40

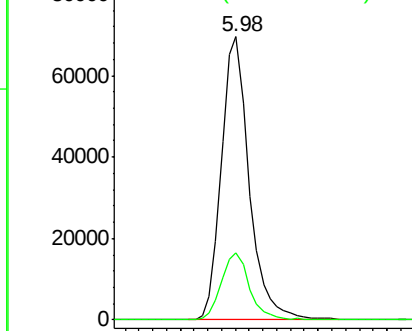


#40
Benzene
Concen: 52.069 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

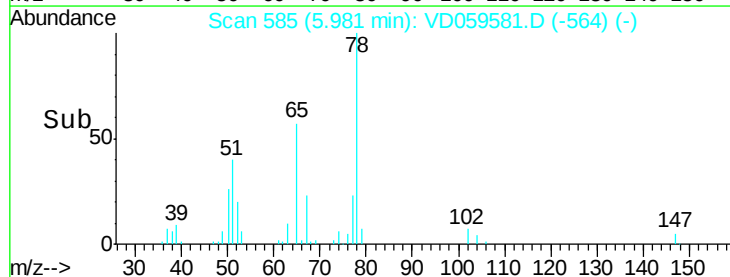
Tgt Ion: 78 Resp: 195031
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

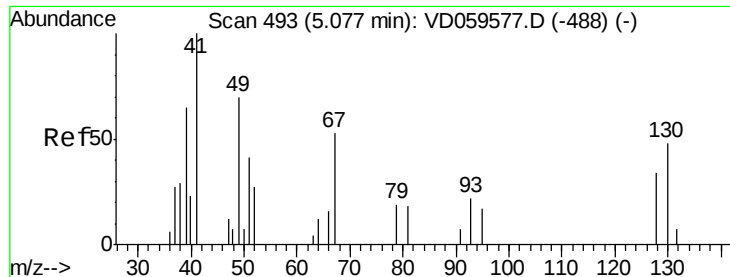


Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



Time--> 5.90 6.00 6.10 6.20





#41

Methacrylonitrile

Concen: 56.929 ug/l

RT: 5.09 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

Tot Ion: 41 Resp: 26693

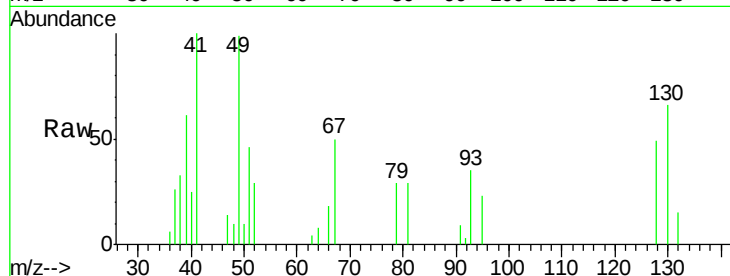
Ion Ratio Lower Upper

41 100

39 61.2 52.1 78.1

67 50.1 42.5 63.7

52 28.7 21.8 32.8

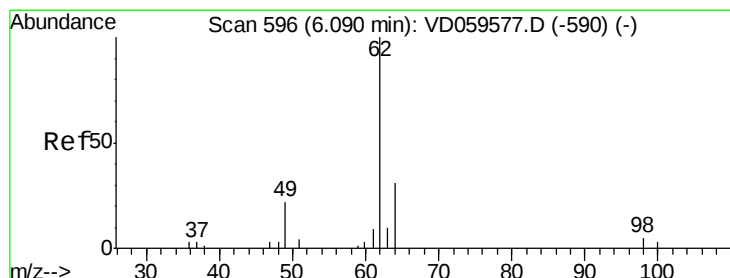
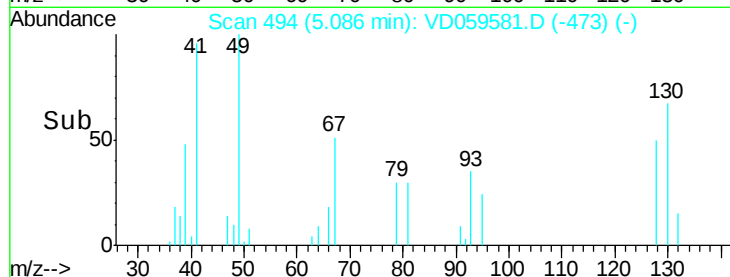
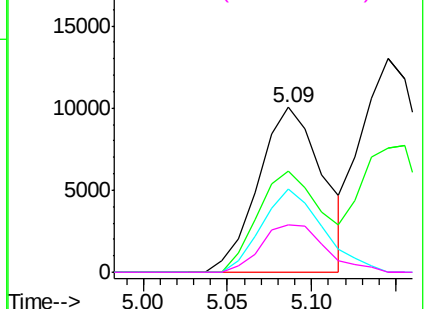


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.556 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059581.D

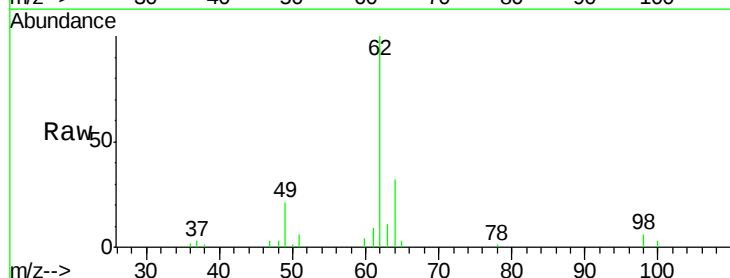
Acq: 24 Jul 2018 20:42

Tgt Ion: 62 Resp: 123118

Ion Ratio Lower Upper

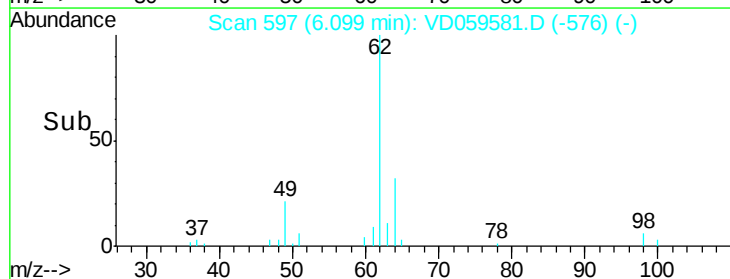
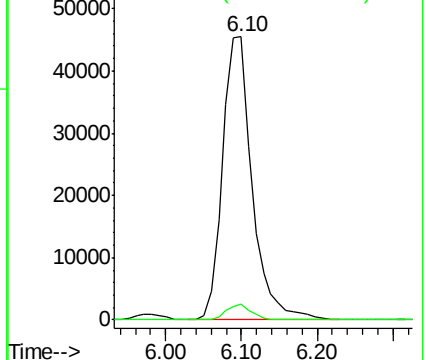
62 100

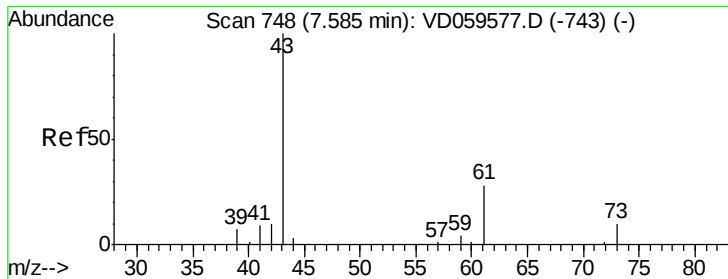
98 5.7 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



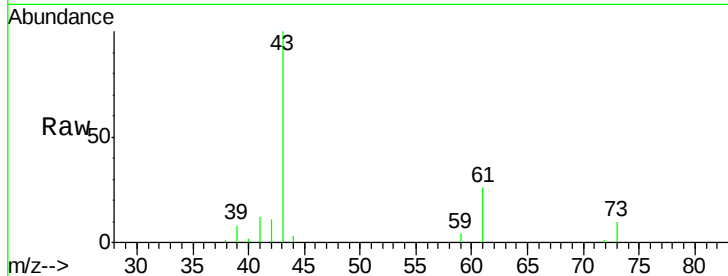


#43

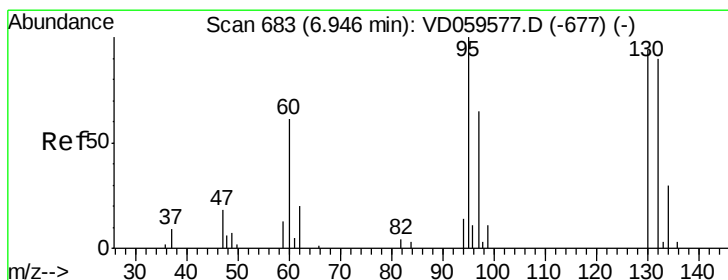
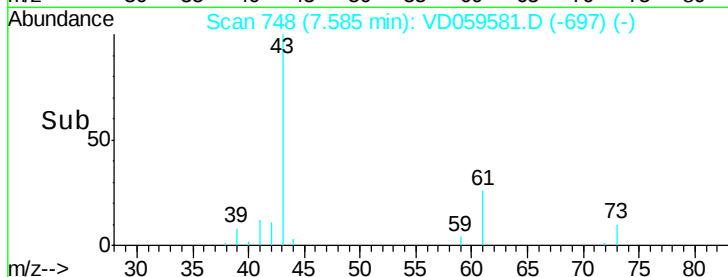
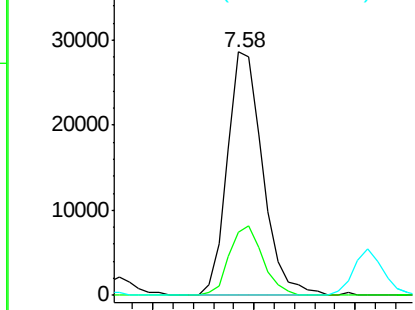
Isopropyl Acetate
 Concen: 53.358 ug/l
 RT: 7.58 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

Tot Ion: 43 Resp: 69519
 Ion Ratio Lower Upper
 43 100
 61 25.8 22.0 33.0
 87 0.0 0.0 0.0



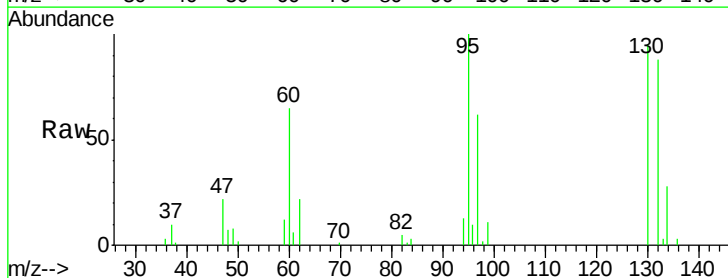
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



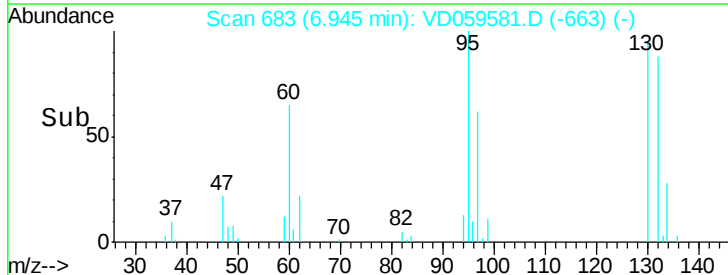
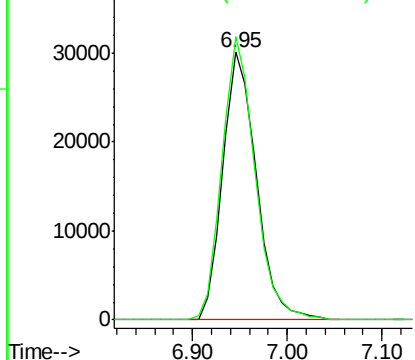
#44

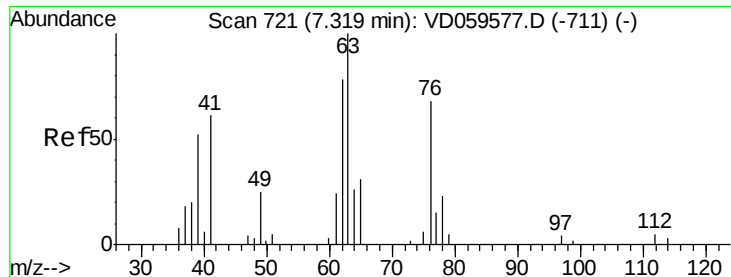
Trichloroethene
 Concen: 54.498 ug/l
 RT: 6.95 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 130 Resp: 74039
 Ion Ratio Lower Upper
 130 100
 95 105.8 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 52.665 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

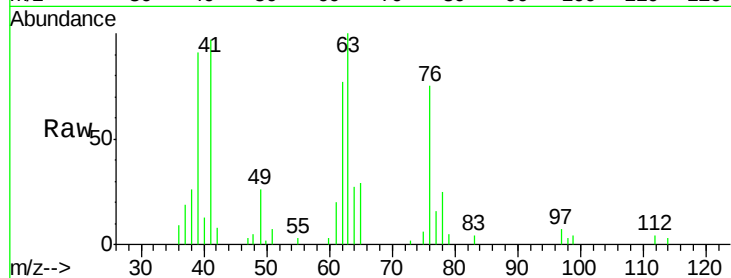
ICVVD072418

Tot Ion: 63 Resp: 55242

Ion Ratio Lower Upper

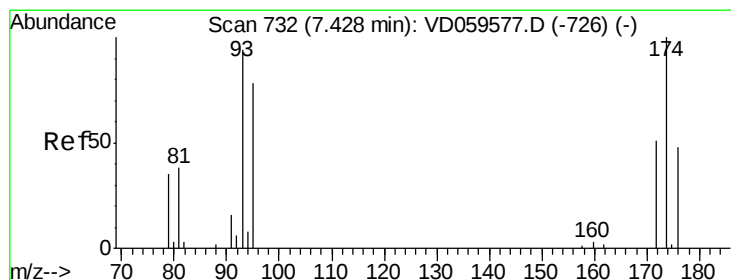
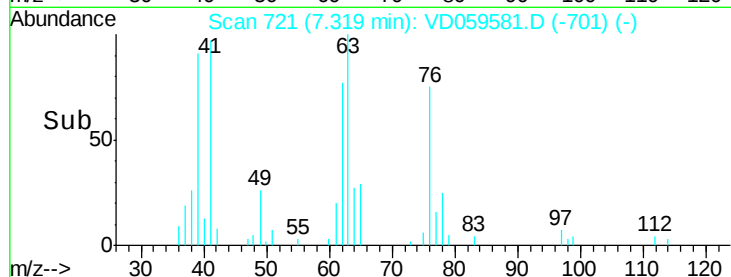
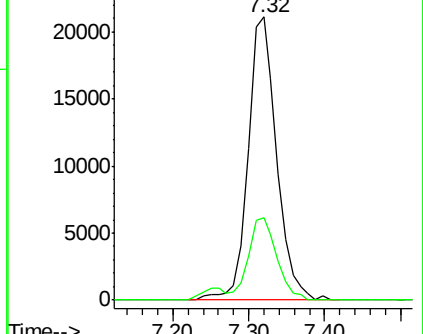
63 100

65 29.2 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: 52.374 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

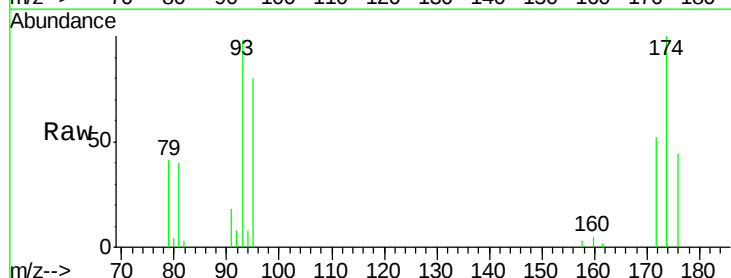
Tgt Ion: 93 Resp: 46436

Ion Ratio Lower Upper

93 100

95 81.2 65.8 98.8

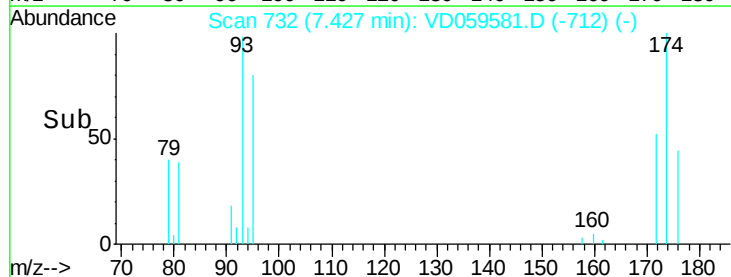
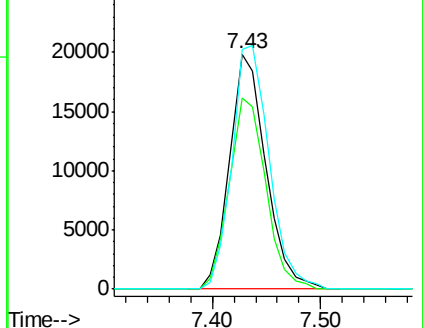
174 102.0 84.7 127.1

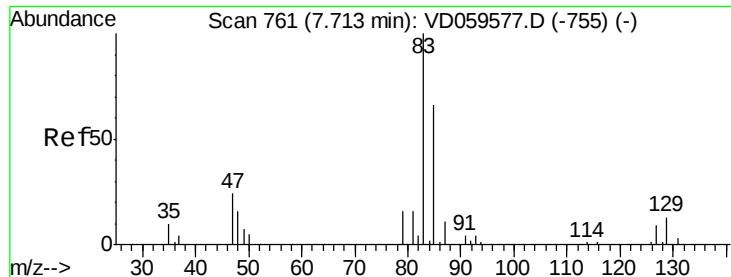


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.137 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

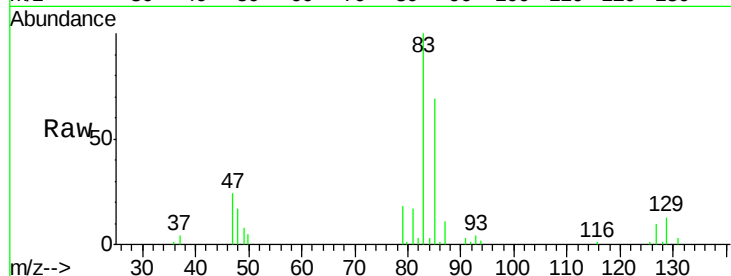
Tot Ion: 83 Resp: 112522

Ion Ratio Lower Upper

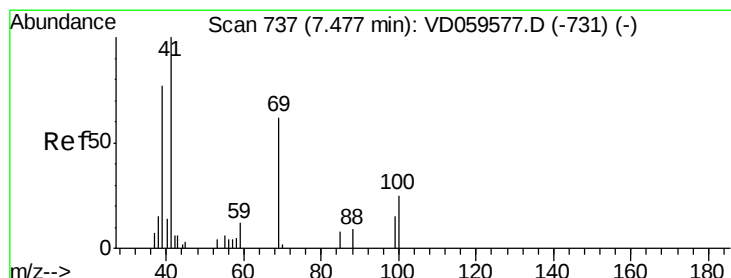
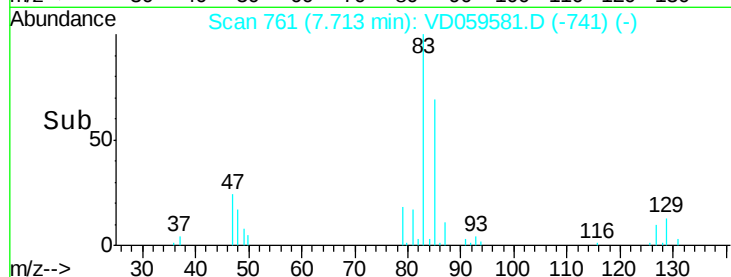
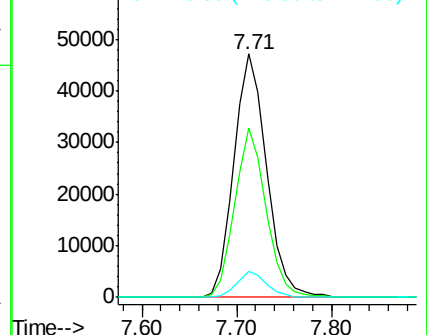
83 100

85 69.5 53.1 79.7

127 10.5 7.4 11.0



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



#48

Methyl methacrylate

Concen: 54.105 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

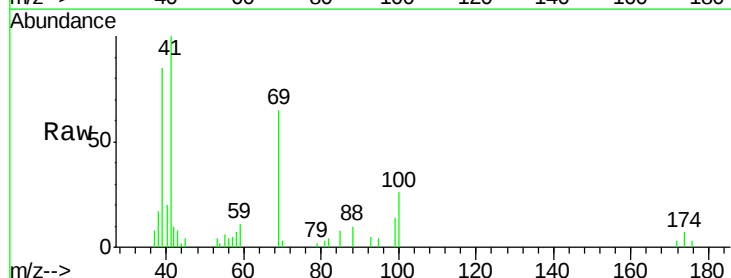
Tgt Ion: 41 Resp: 46749

Ion Ratio Lower Upper

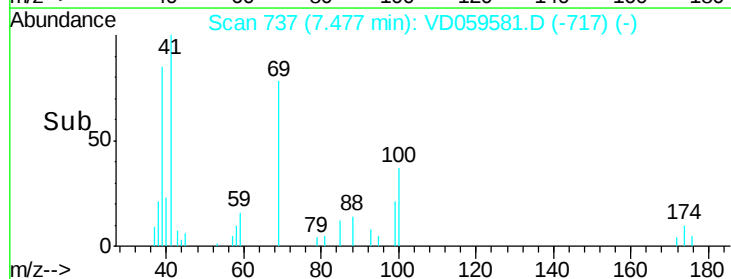
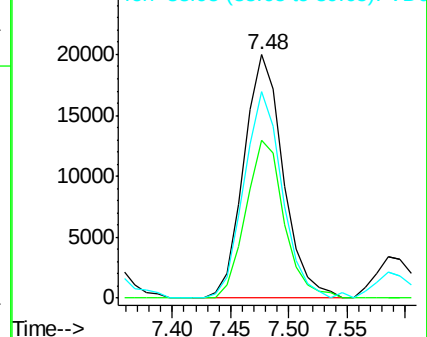
41 100

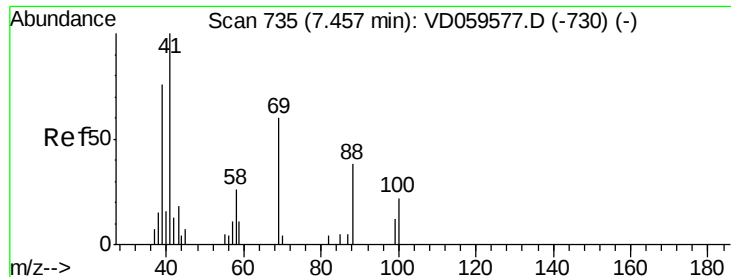
69 64.9 49.4 74.0

39 84.7 61.3 91.9



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





#49

1,4-Dioxane

Concen: 1030.065 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

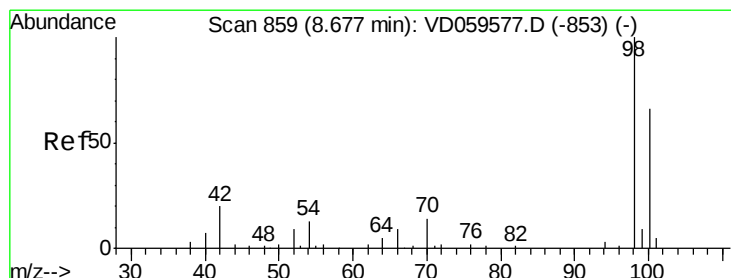
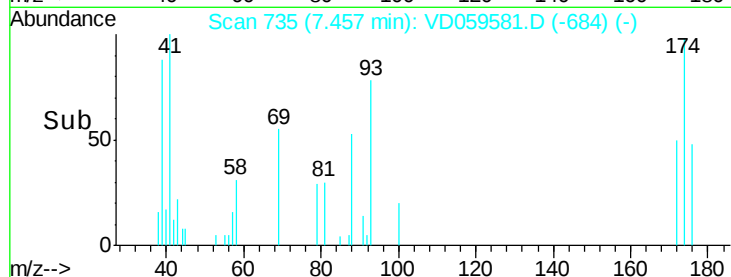
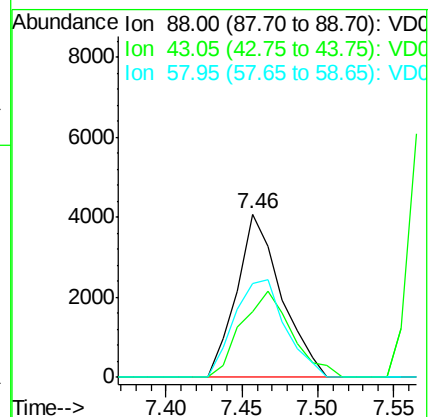
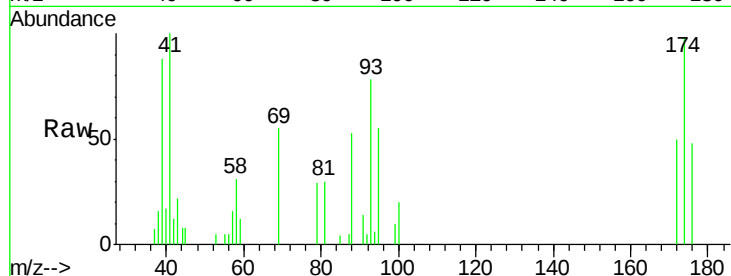
Tot Ion: 88 Resp: 8331

Ion Ratio Lower Upper

88 100

43 40.5 37.4 56.2

58 57.5 55.6 83.4



#50

Toluene-d8

Concen: 1030.065 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059581.D

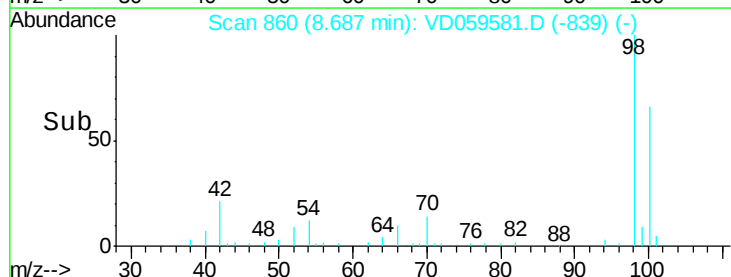
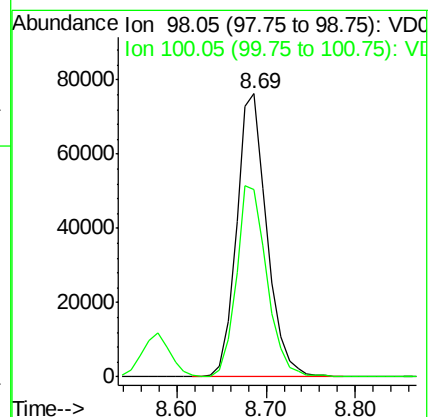
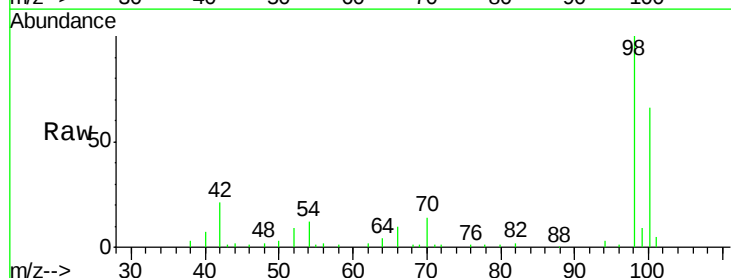
Acq: 24 Jul 2018 20:42

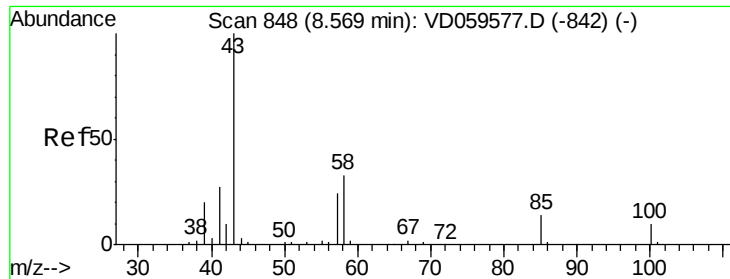
Tgt Ion: 98 Resp: 179953

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 265.388 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

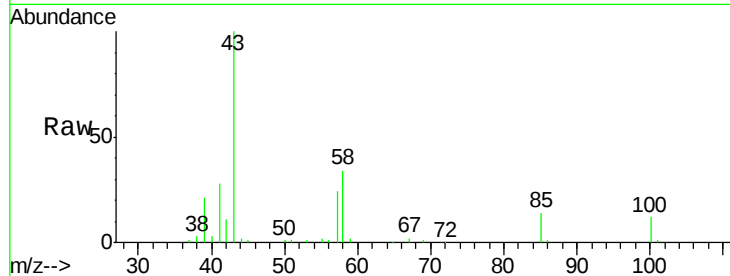
ICVVD072418

Tot Ion: 43 Resp: 230895

Ion Ratio Lower Upper

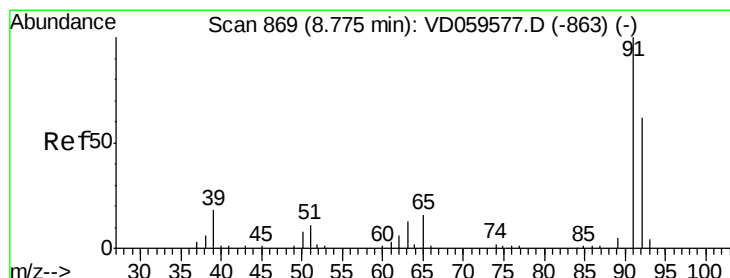
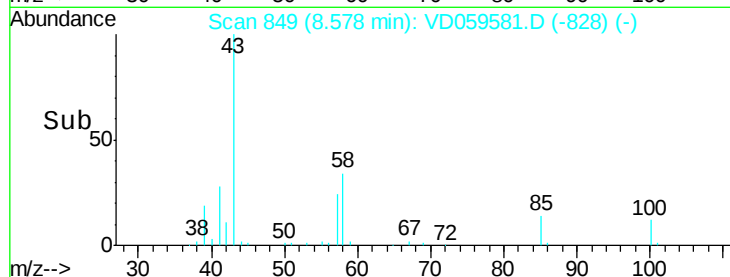
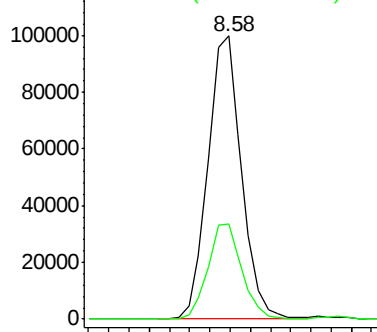
43 100

58 33.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.898 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059581.D

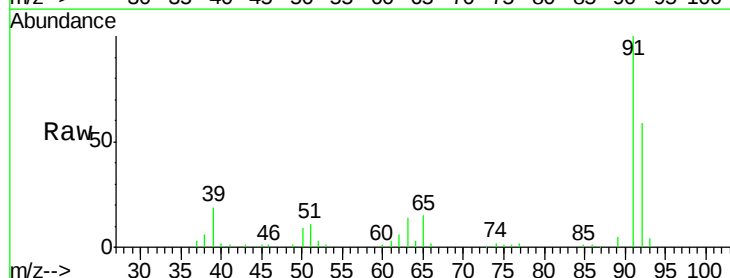
Acq: 24 Jul 2018 20:42

Tgt Ion: 92 Resp: 123931

Ion Ratio Lower Upper

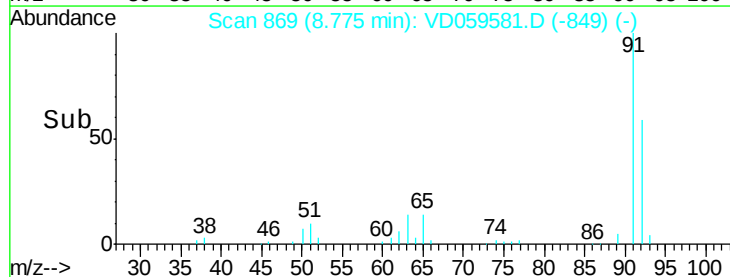
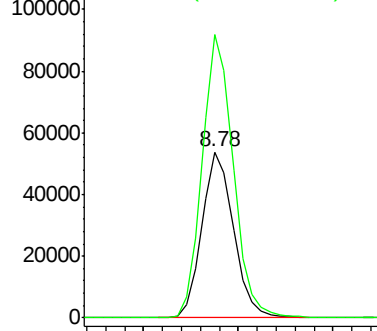
92 100

91 170.4 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

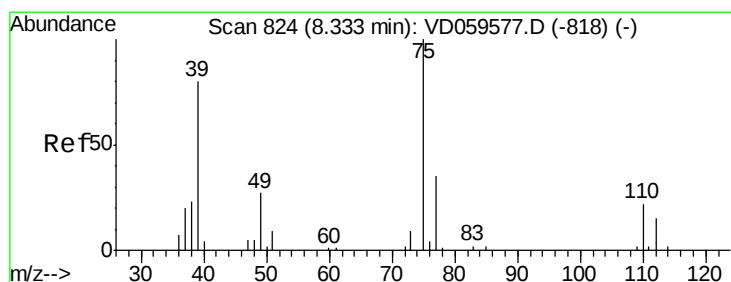
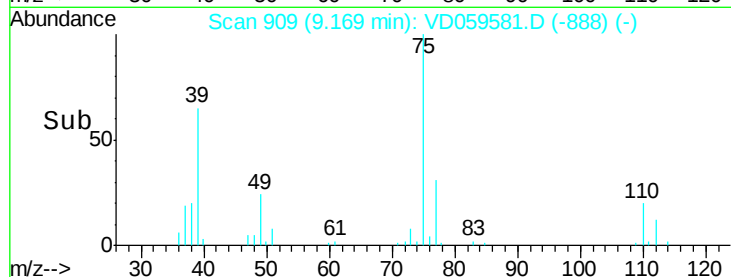
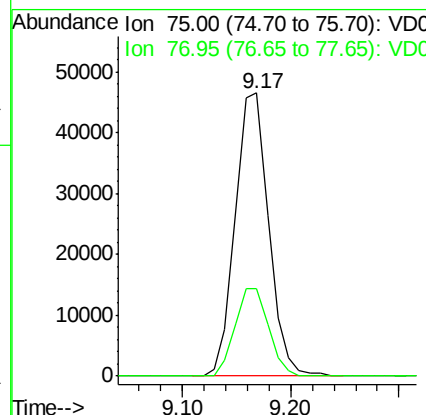
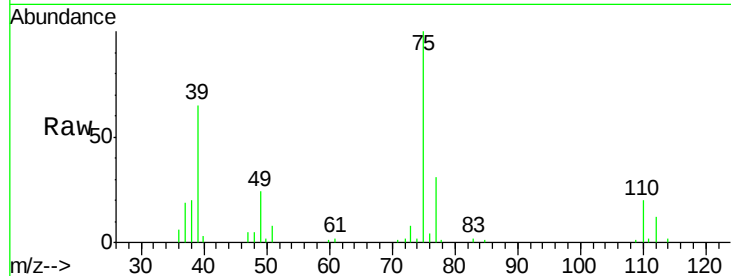




#53
 t-1,3-Dichloropropene
 Concen: 52.344 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

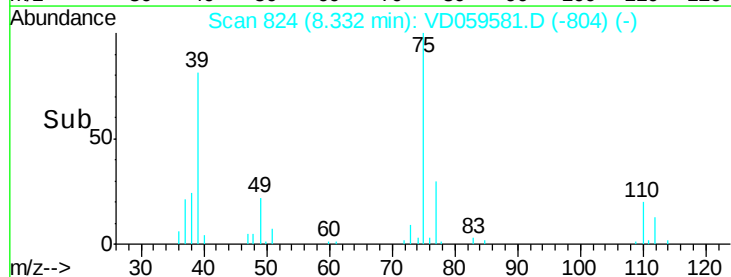
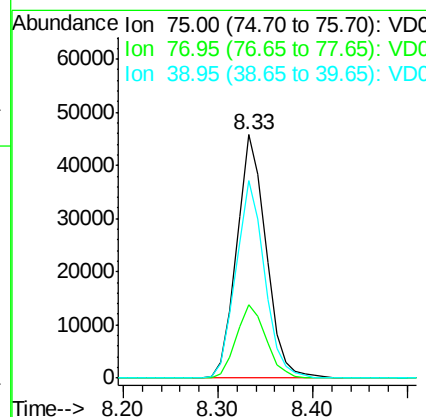
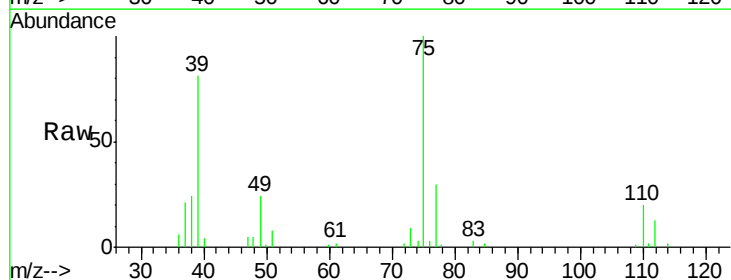
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

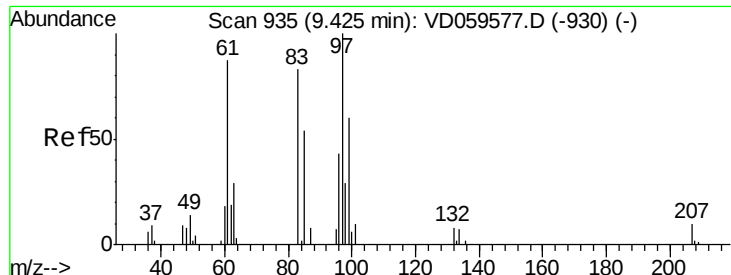
Tot Ion: 75 Resp: 99976
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.687 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 75 Resp: 98033
 Ion Ratio Lower Upper
 75 100
 77 29.9 27.7 41.5
 39 81.0 63.8 95.8

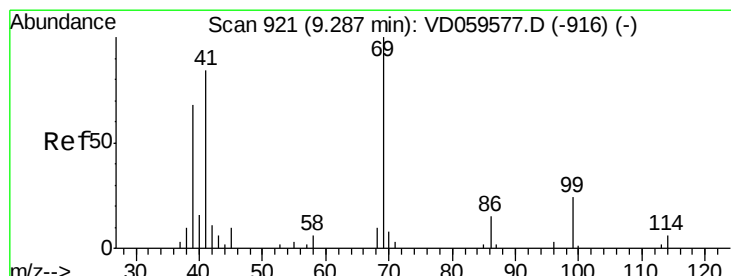
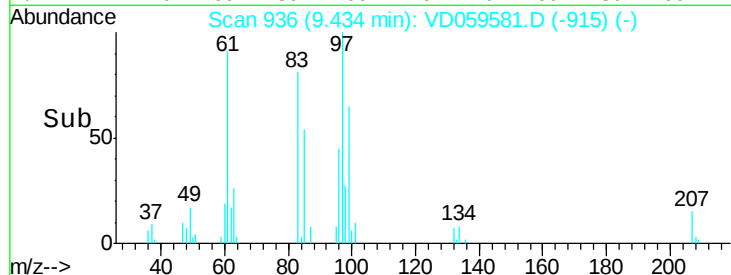
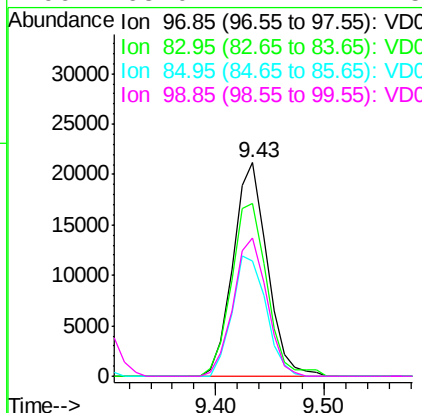
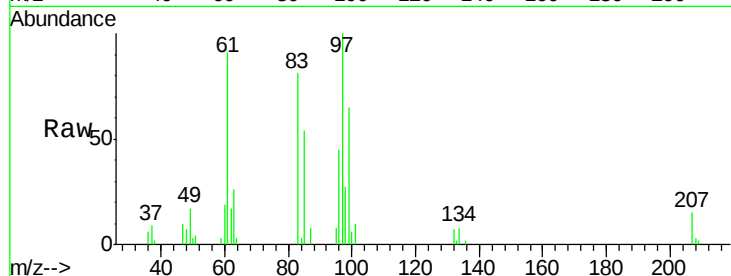




#55
 1,1,2-Trichloroethane
 Concen: 49.953 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

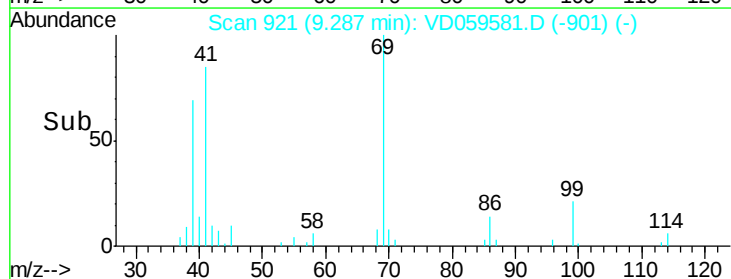
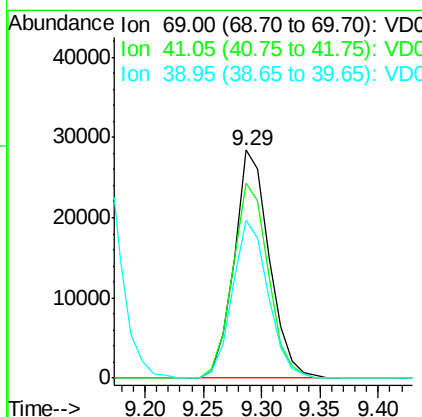
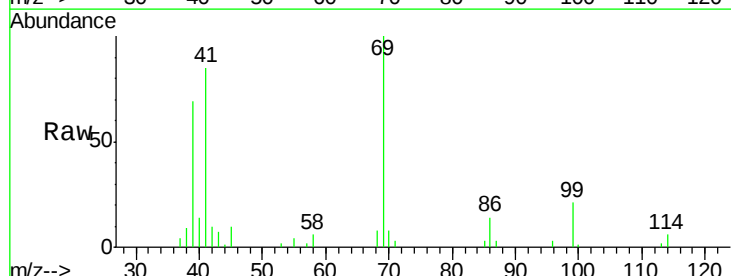
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

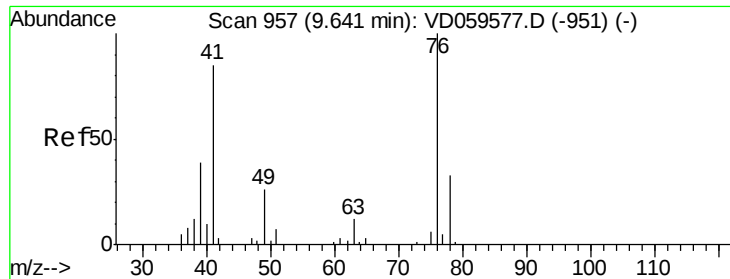
Tot Ion: 97 Resp: 46611
 Ion Ratio Lower Upper
 97 100
 83 80.7 66.3 99.5
 85 53.7 43.0 64.6
 99 65.0 47.7 71.5



#56
 Ethyl methacrylate
 Concen: 55.842 ug/l
 RT: 9.29 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 69 Resp: 59118
 Ion Ratio Lower Upper
 69 100
 41 85.4 66.8 100.2
 39 69.3 54.7 82.1





#57

1,3-Dichloropropane

Concen: 51.877 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

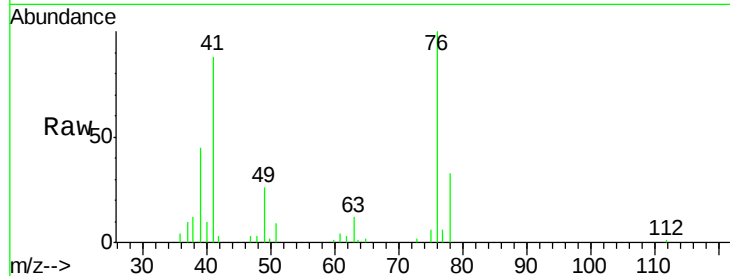
ICVVD072418

Tot Ion: 76 Resp: 76916

Ion Ratio Lower Upper

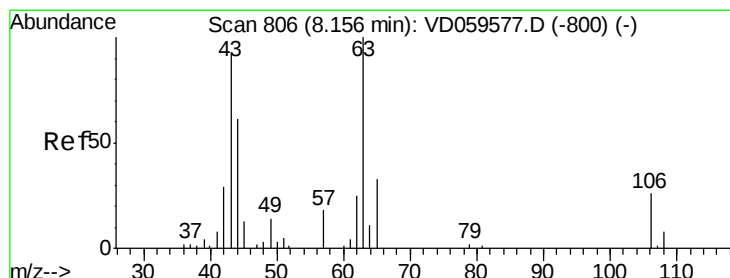
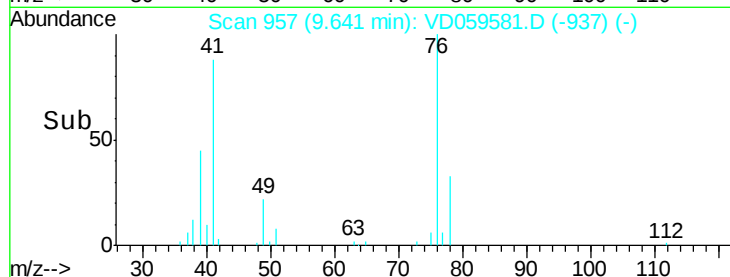
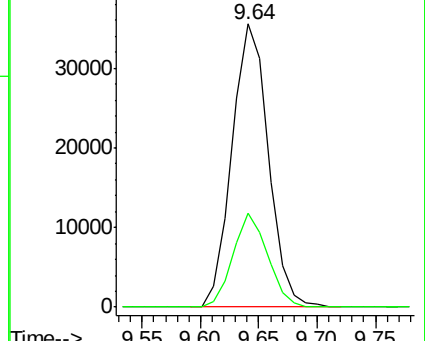
76 100

78 33.2 26.0 39.0



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: 272.667 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059581.D

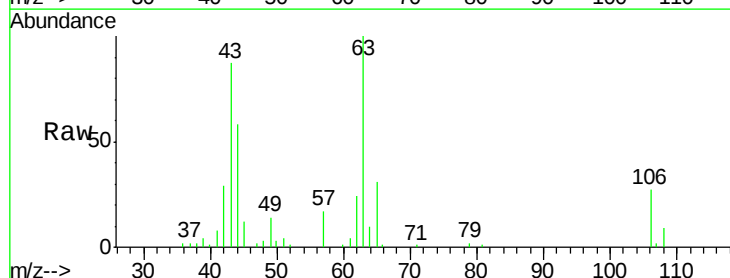
Acq: 24 Jul 2018 20:42

Tgt Ion: 63 Resp: 135636

Ion Ratio Lower Upper

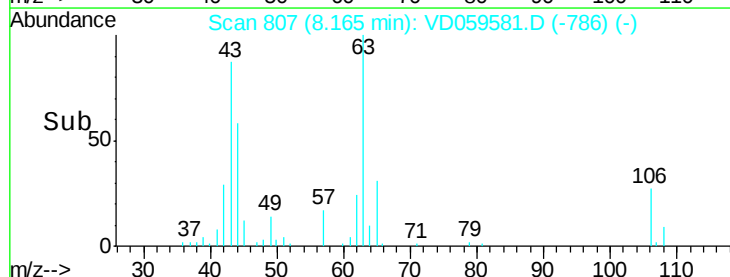
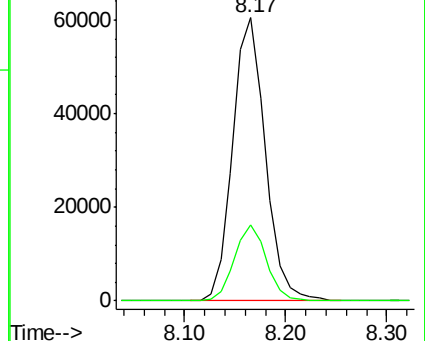
63 100

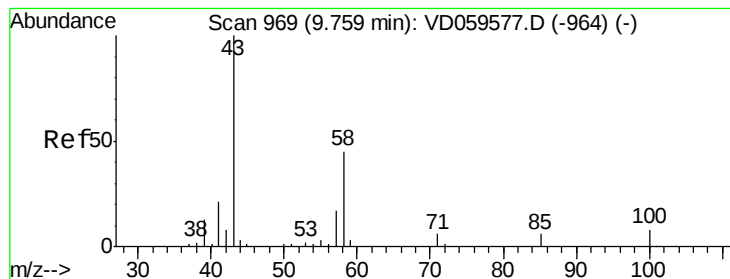
106 27.0 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 249.282 ug/l

RT: 9.77 min Scan# 970

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

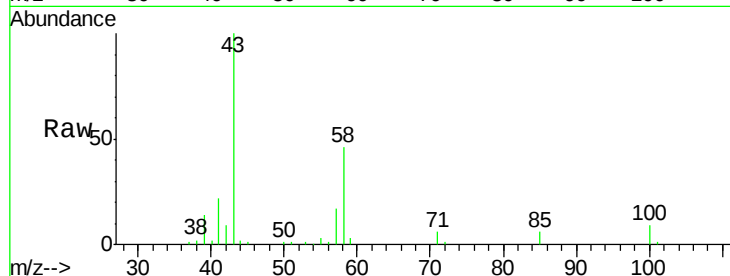
ICVVD072418

Tot Ion: 43 Resp: 172269

Ion Ratio Lower Upper

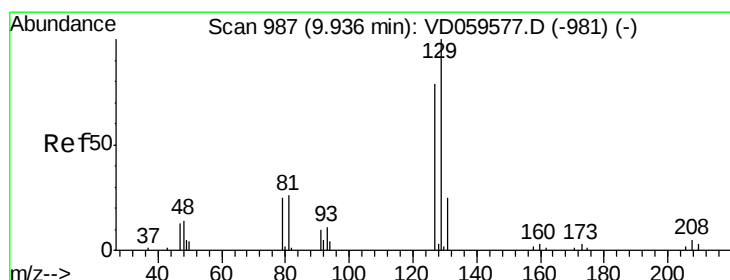
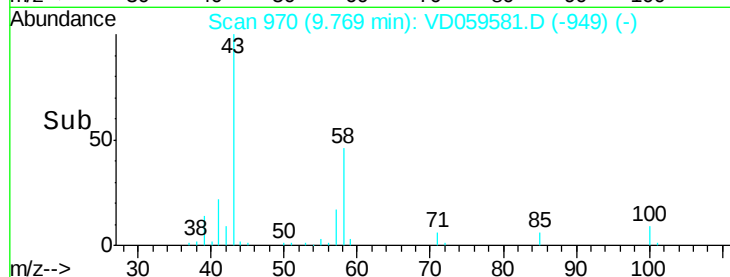
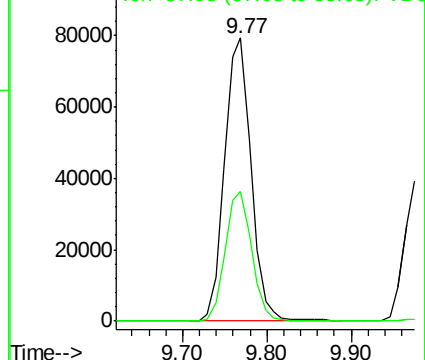
43 100

58 45.7 22.7 68.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 55.059 ug/l

RT: 9.94 min Scan# 987

Delta R.T. -0.00 min

Lab File: VD059581.D

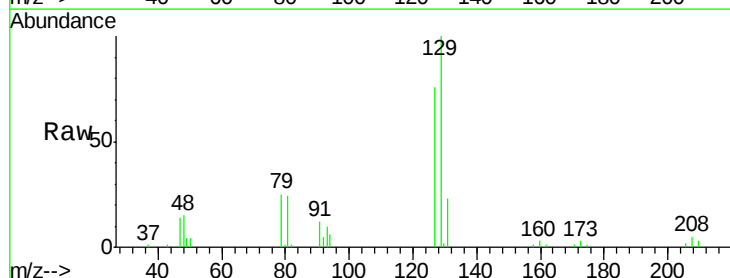
Acq: 24 Jul 2018 20:42

Tgt Ion:129 Resp: 85290

Ion Ratio Lower Upper

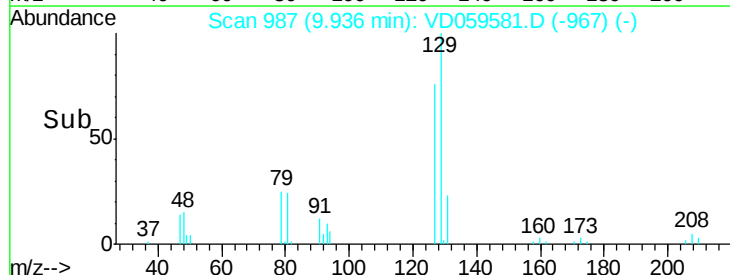
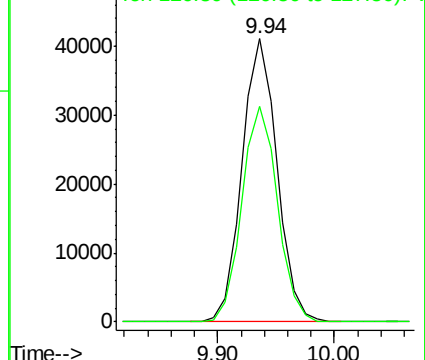
129 100

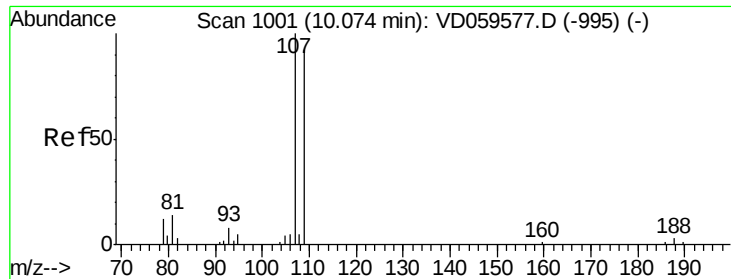
127 76.0 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

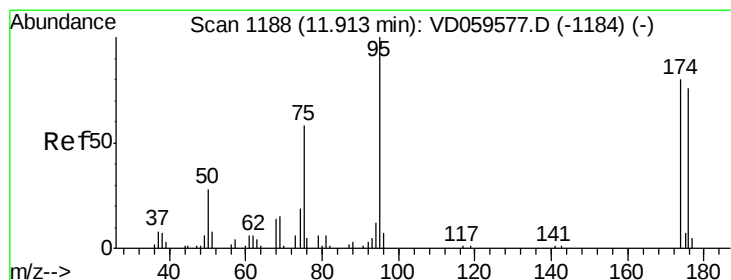
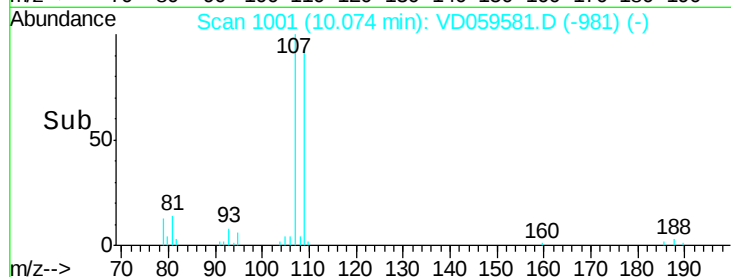
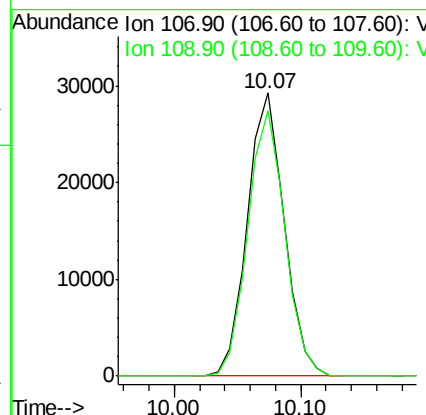
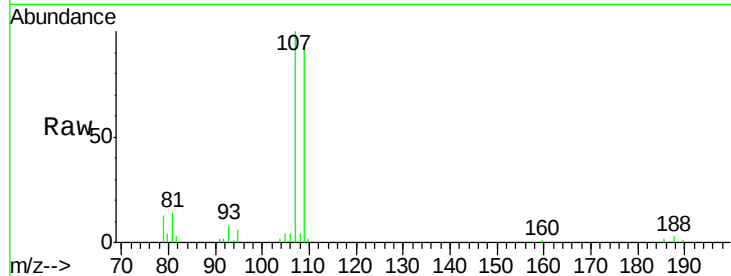




#61
 1,2-Dibromoethane
 Concen: 53.567 ug/l
 RT: 10.07 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

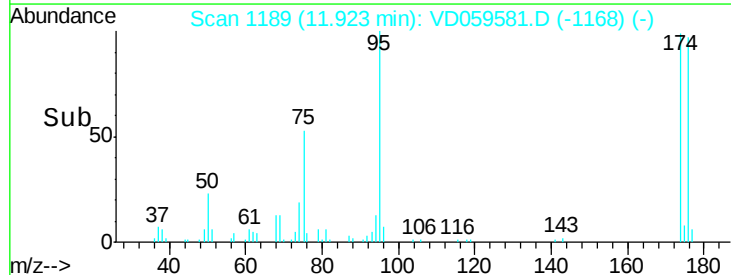
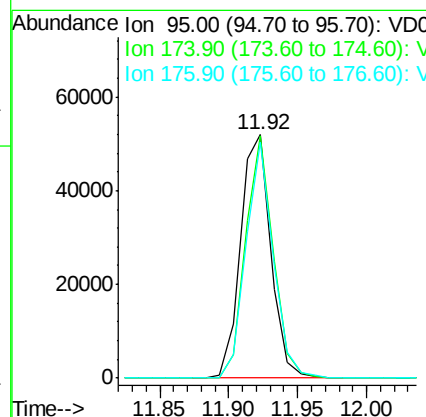
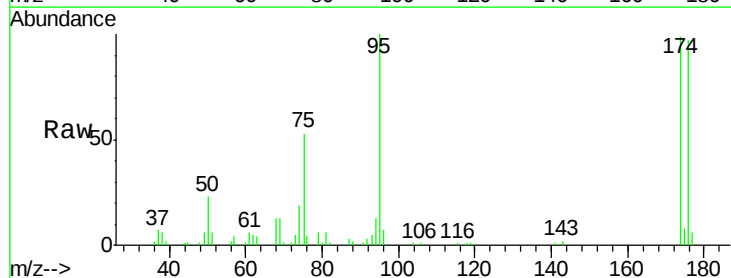
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

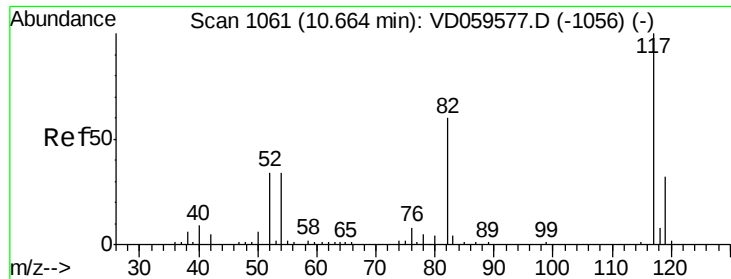
Tot Ion:107 Resp: 59232
 Ion Ratio Lower Upper
 107 100
 109 93.9 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 53.567 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 95 Resp: 79582
 Ion Ratio Lower Upper
 95 100
 174 99.4 0.0 160.6
 176 97.0 0.0 152.8

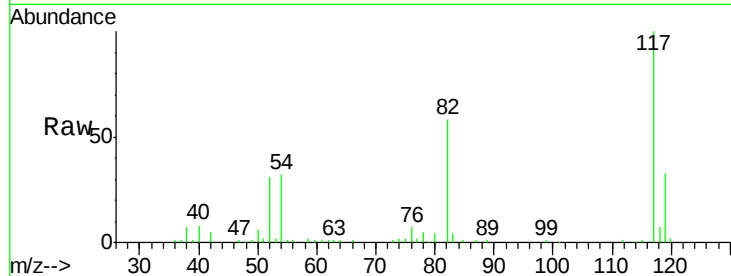




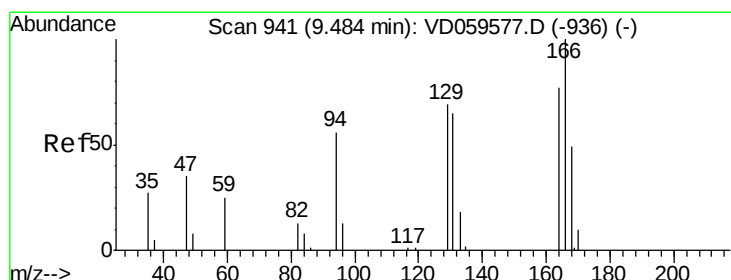
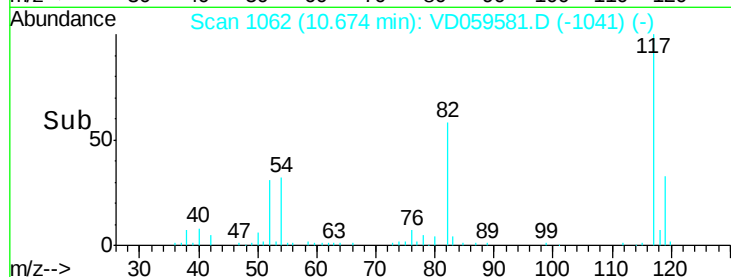
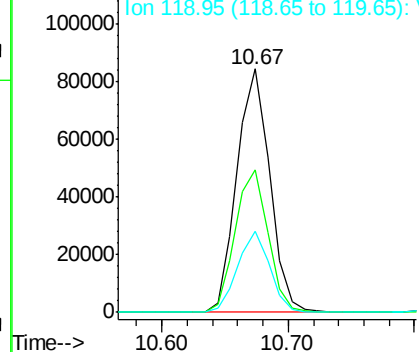
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion:117 Resp: 151494
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.2
119 33.1 25.4 38.2

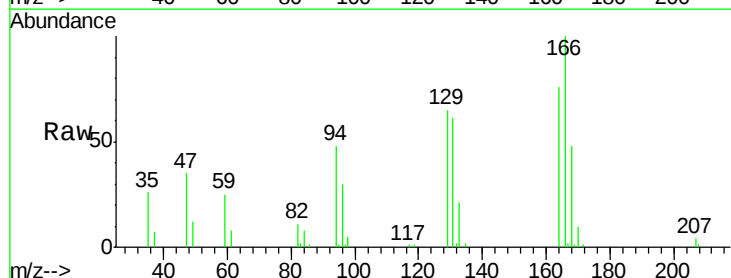


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

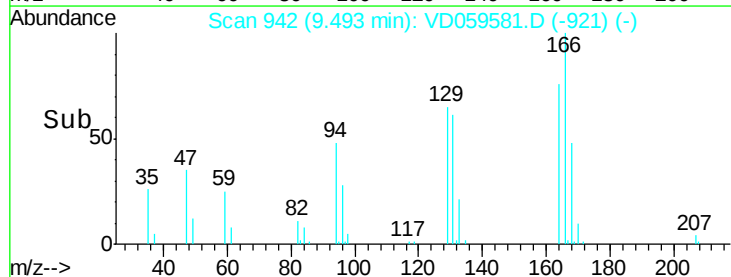
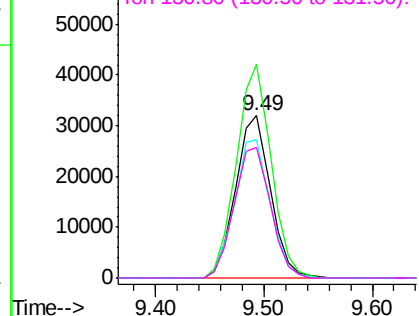


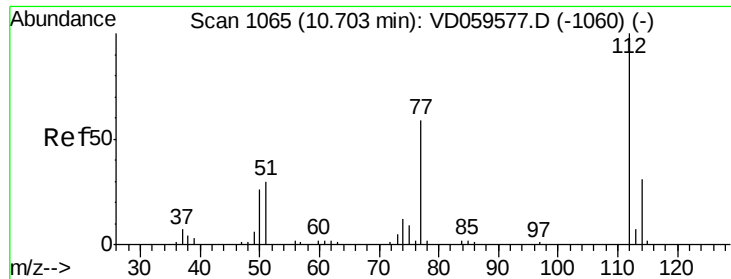
#64
Tetrachloroethene
Concen: 52.308 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion:164 Resp: 71811
Ion Ratio Lower Upper
164 100
166 131.6 104.0 156.0
129 85.4 72.2 108.4
131 80.7 67.7 101.5



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

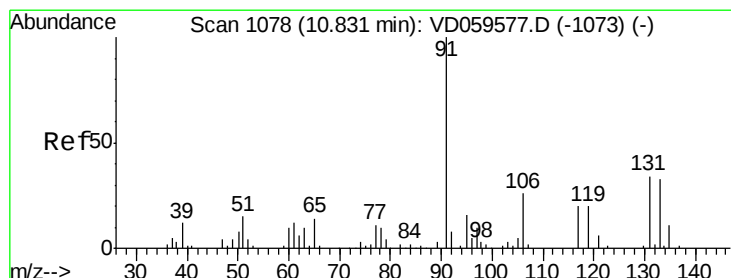
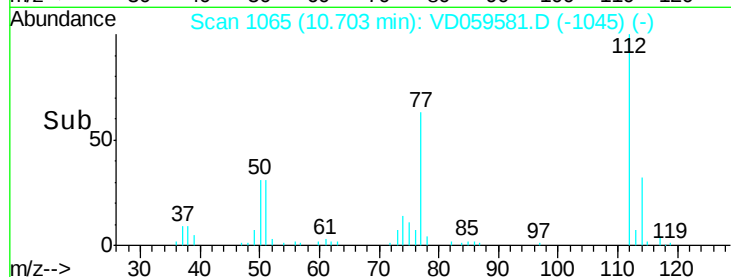
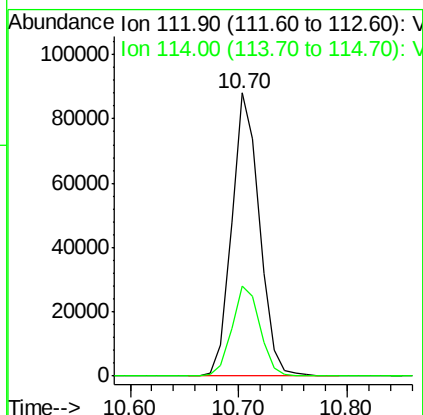
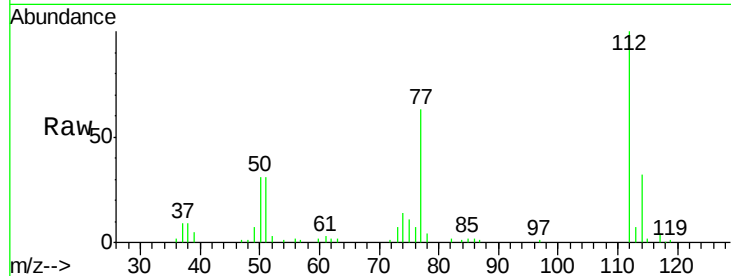




#65
Chlorobenzene
Concen: 50.150 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

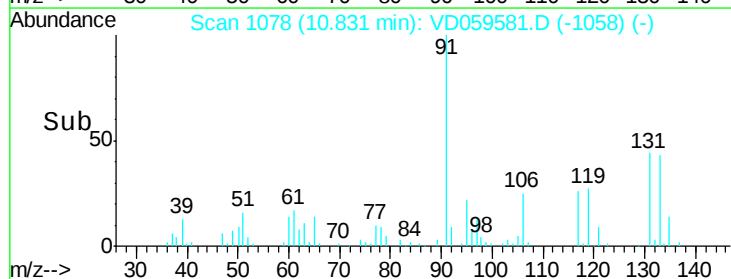
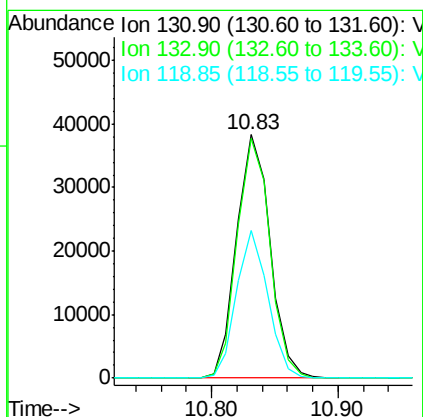
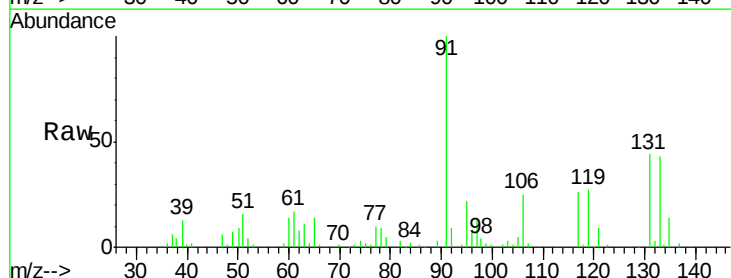
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

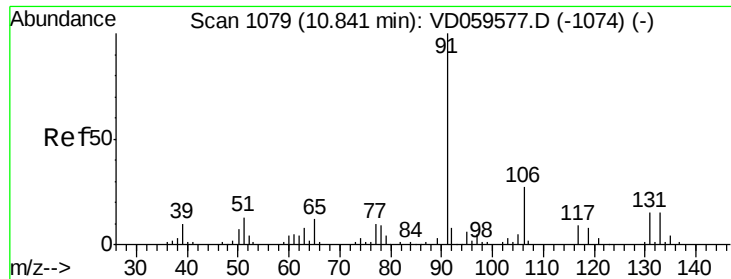
Tot Ion:112 Resp: 155742
Ion Ratio Lower Upper
112 100
114 32.0 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.137 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion:131 Resp: 70429
Ion Ratio Lower Upper
131 100
133 98.5 47.9 143.7
119 60.7 28.7 86.1

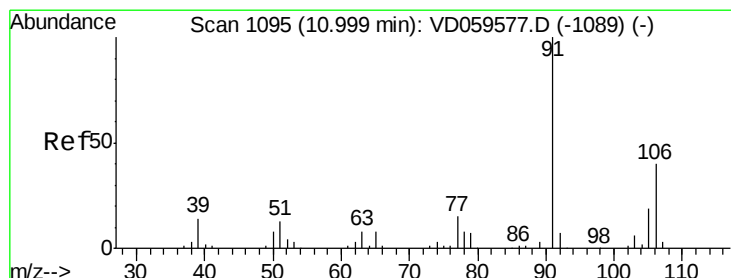
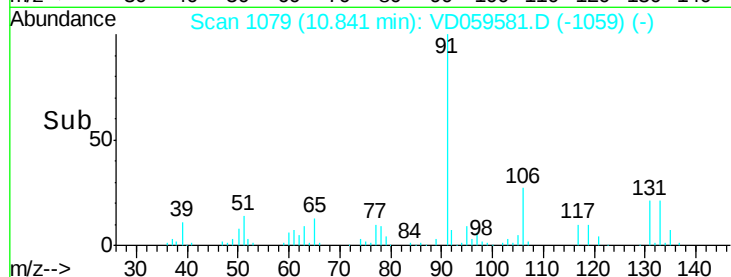
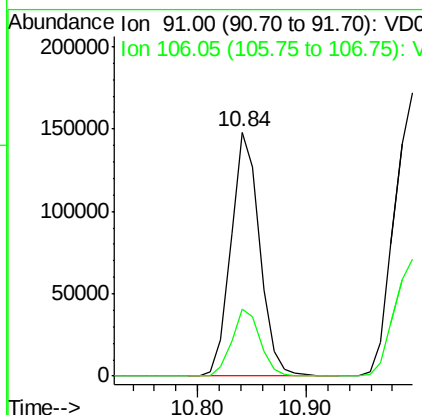
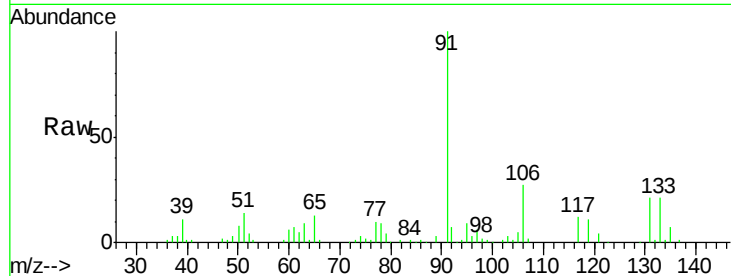




#67
Ethyl Benzene
Concen: 51.106 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

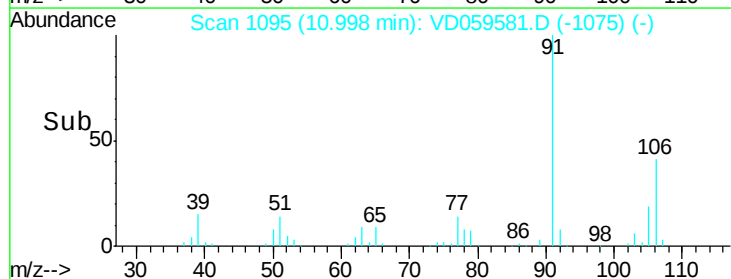
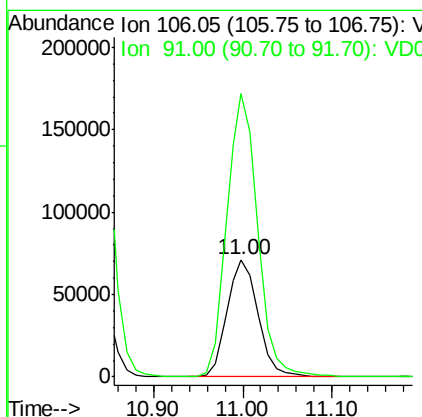
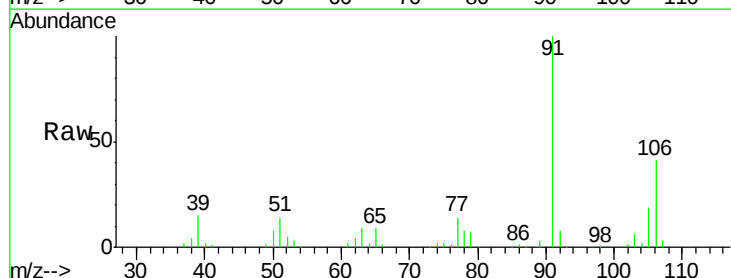
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion: 91 Resp: 272830
Ion Ratio Lower Upper
91 100
106 27.3 21.6 32.4



#68
m/p-Xylenes
Concen: 97.170 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 106 Resp: 173246
Ion Ratio Lower Upper
106 100
91 241.2 198.2 297.4

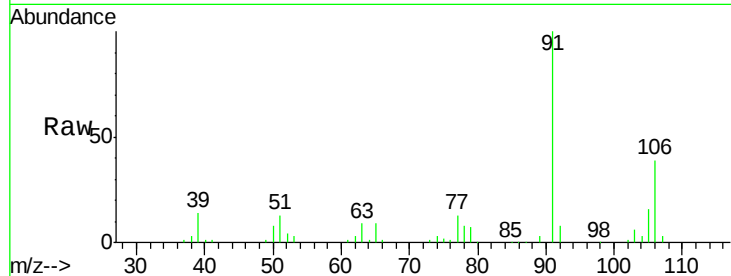




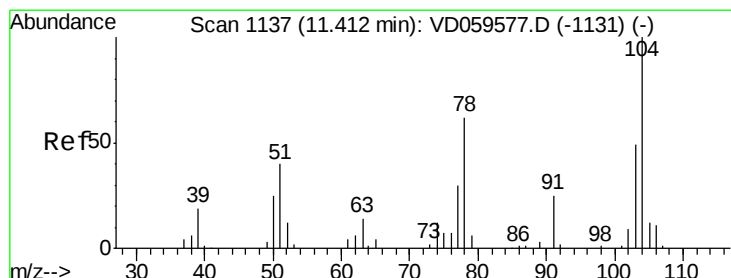
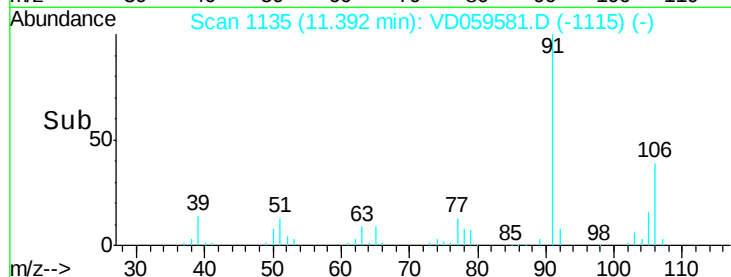
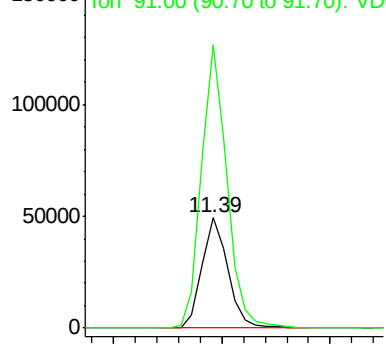
#69
o-Xylene
Concen: 47.920 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion:106 Resp: 82904
Ion Ratio Lower Upper
106 100
91 257.3 122.7 368.1

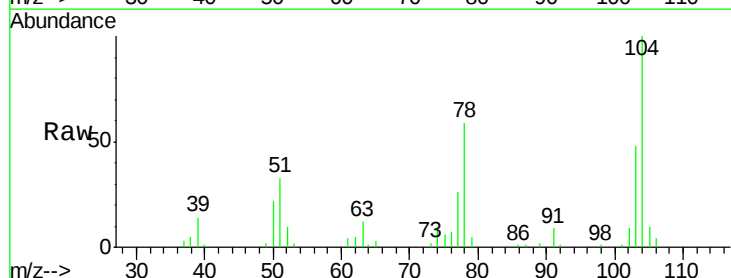


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

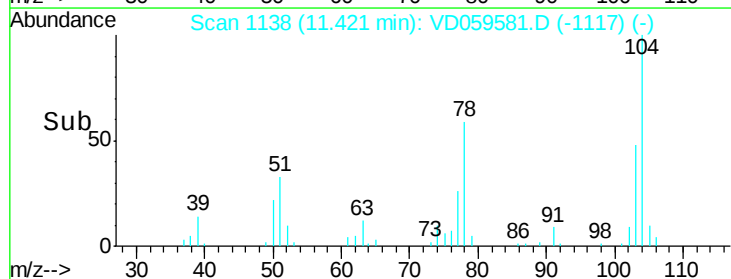
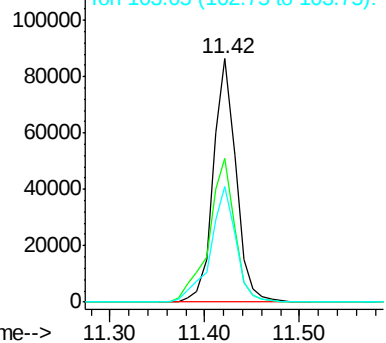


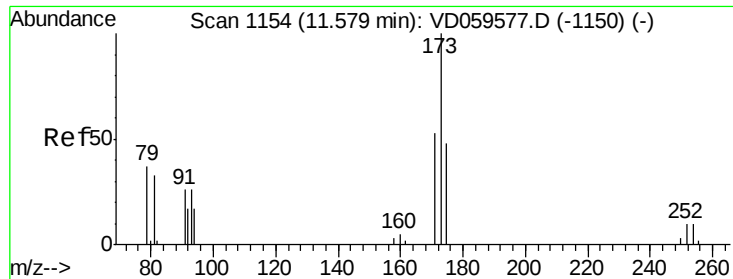
#70
Styrene
Concen: 49.950 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion:104 Resp: 143280
Ion Ratio Lower Upper
104 100
78 59.0 49.4 74.0
103 47.5 39.0 58.6



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





#71

Bromoform

Concen: 54.339 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

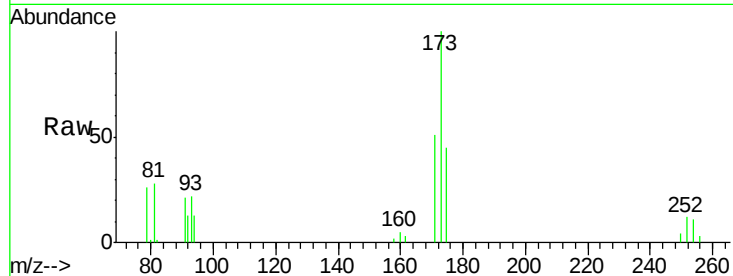
Tot Ion:173 Resp: 59771

Ion Ratio Lower Upper

173 100

175 45.3 23.8 71.4

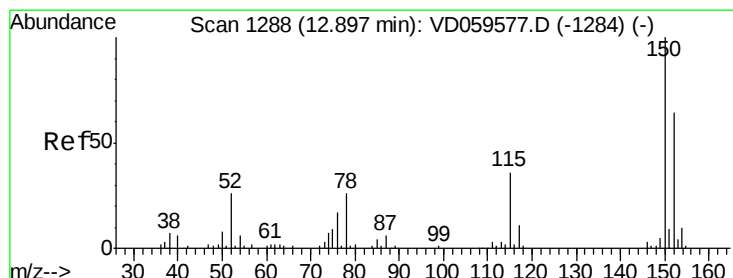
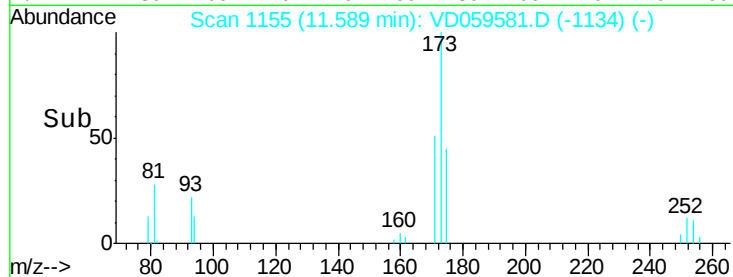
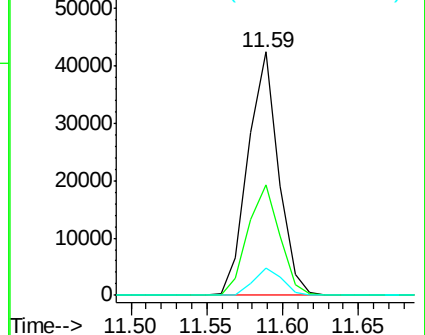
254 11.0 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

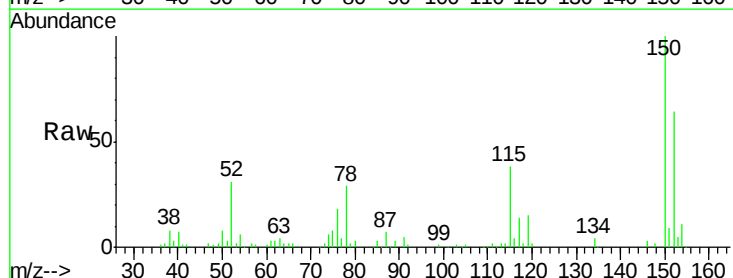
Tgt Ion:152 Resp: 72110

Ion Ratio Lower Upper

152 100

115 60.0 29.5 88.6

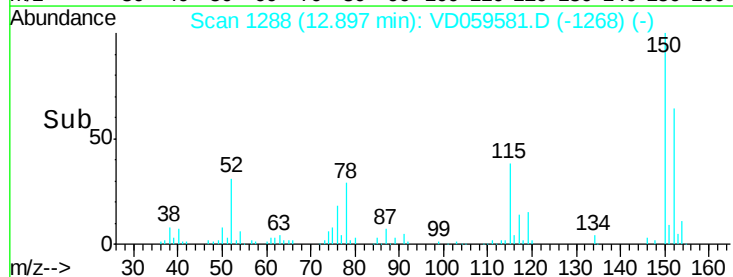
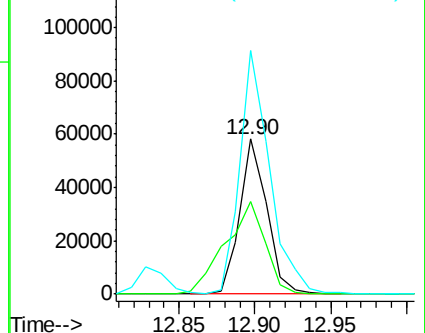
150 157.0 0.0 314.4

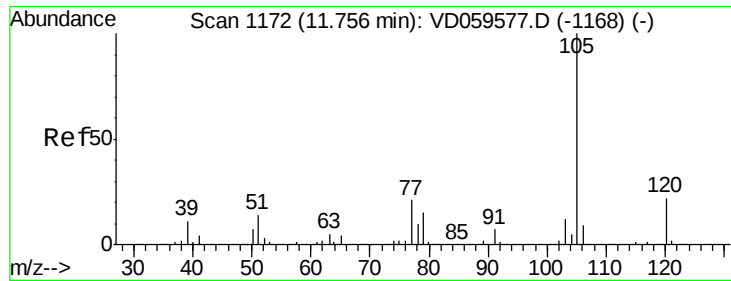


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

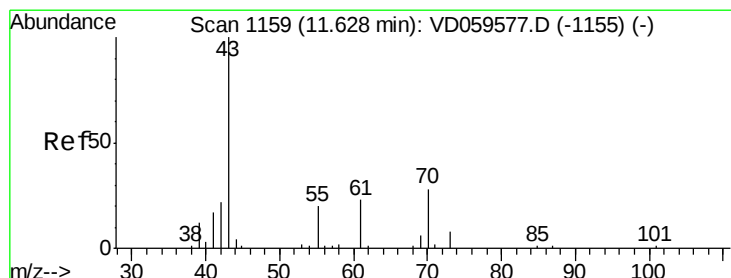
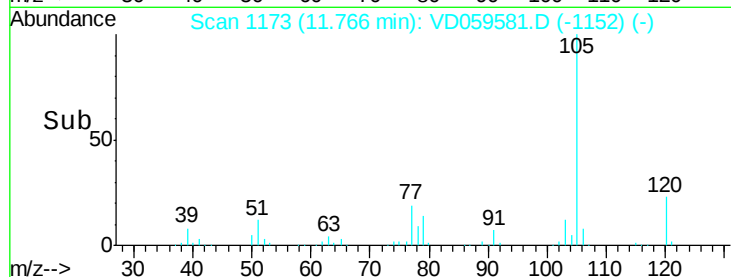
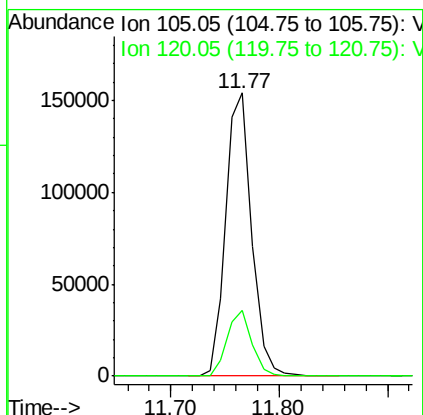
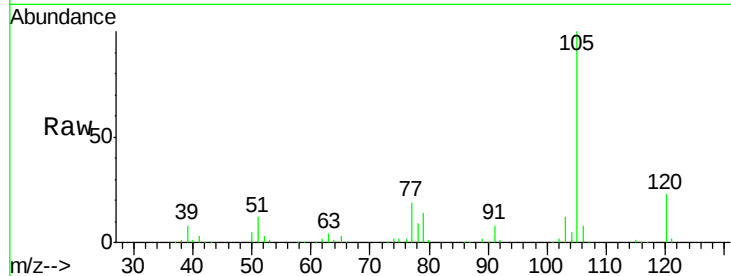




#73
Isopropylbenzene
Concen: 50.495 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

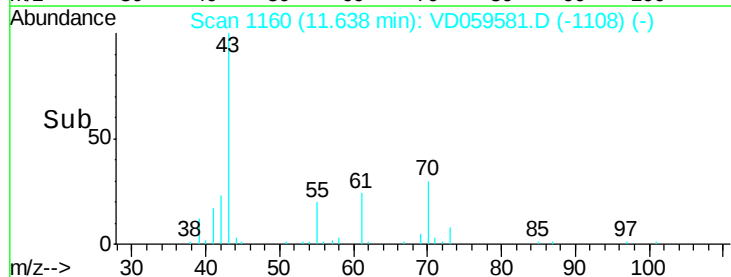
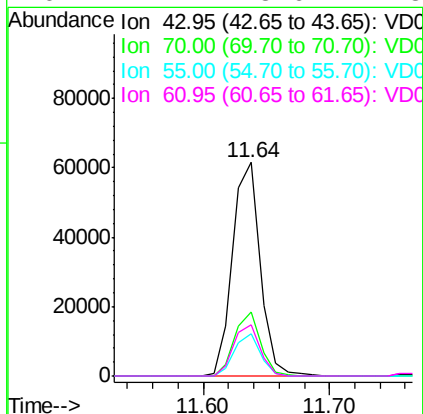
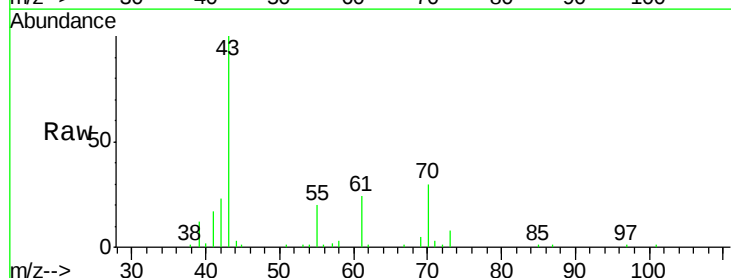
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

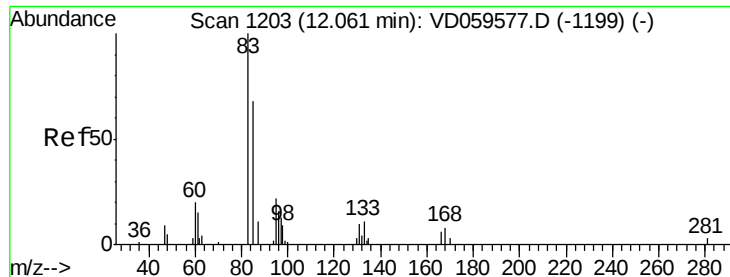
Tot Ion:105 Resp: 257235
Ion Ratio Lower Upper
105 100
120 23.2 10.9 32.7



#74
N-ethyl acetate
Concen: 53.154 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 43 Resp: 92775
Ion Ratio Lower Upper
43 100
70 29.8 22.0 33.0
55 20.1 16.2 24.2
61 24.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.465 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

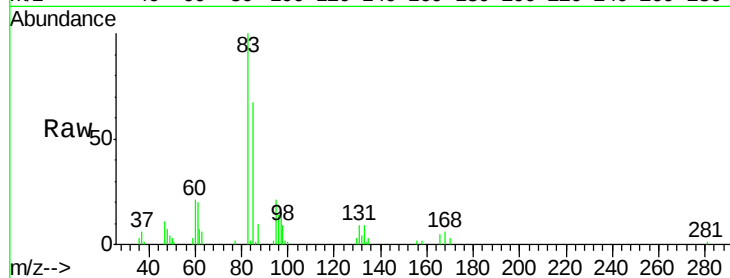
Tot Ion: 83 Resp: 54566

Ion Ratio Lower Upper

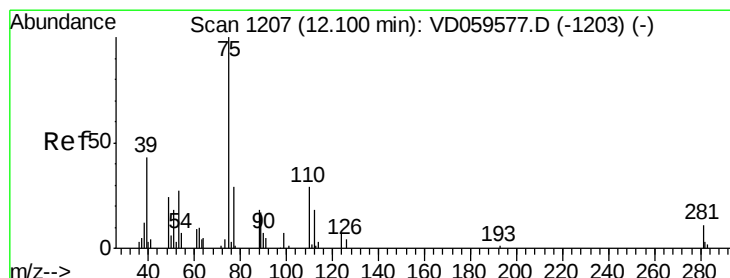
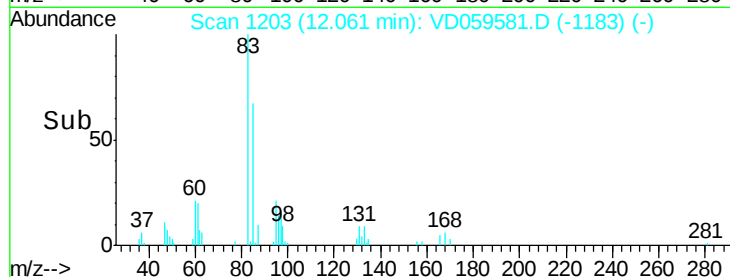
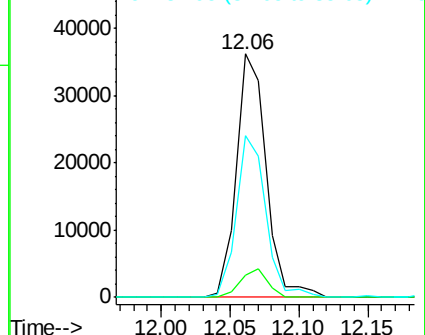
83 100

131 9.3 5.1 15.2

85 66.5 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.530 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059581.D

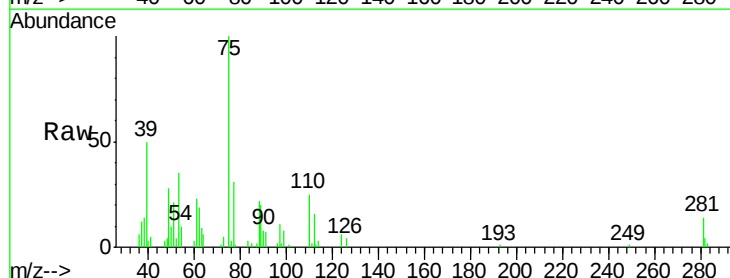
Acq: 24 Jul 2018 20:42

Tgt Ion: 75 Resp: 63834

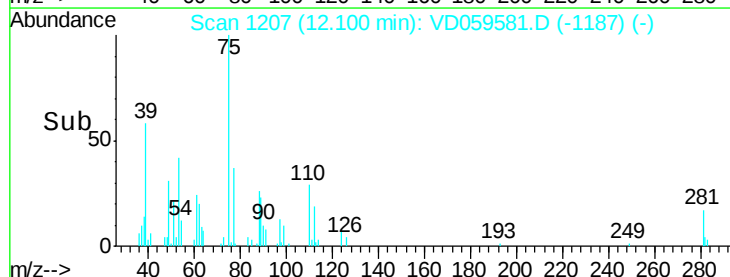
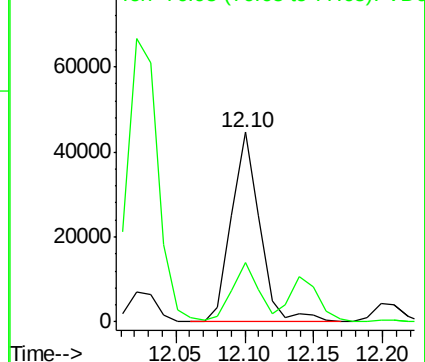
Ion Ratio Lower Upper

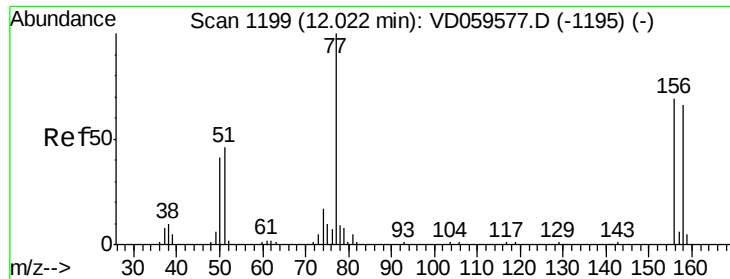
75 100

77 31.3 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

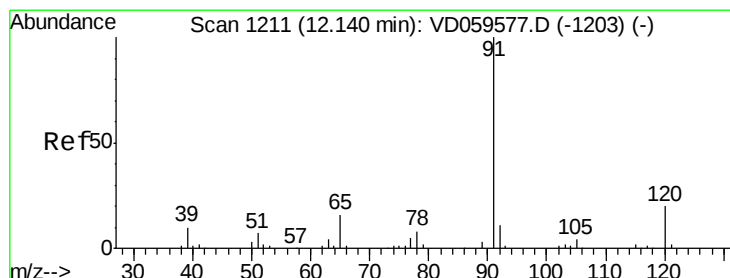
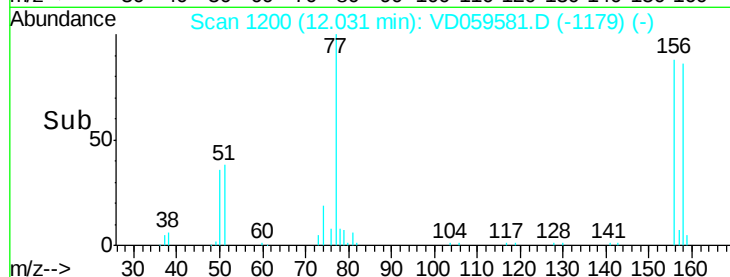
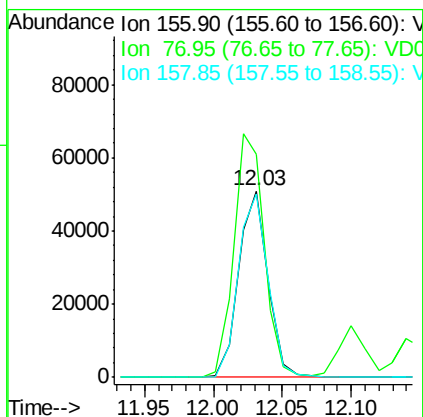
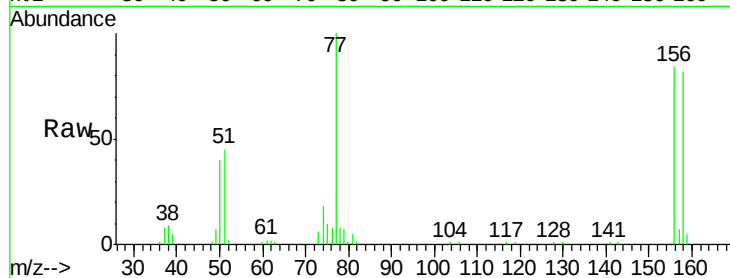




#77
Bromobenzene
Concen: 50.467 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

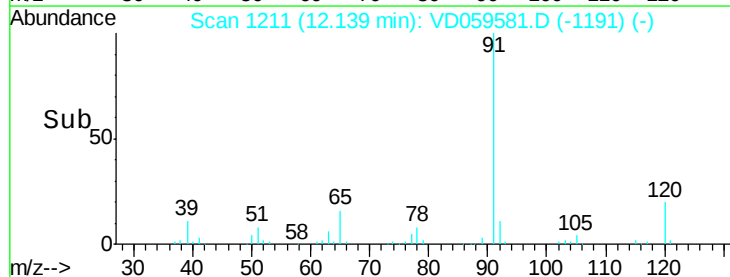
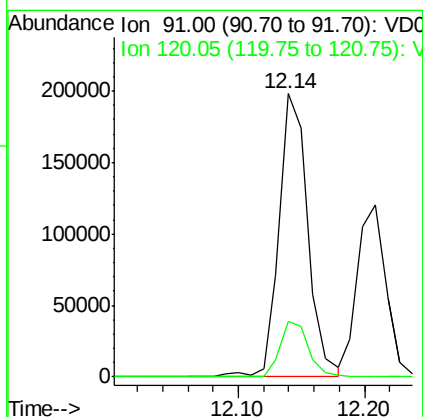
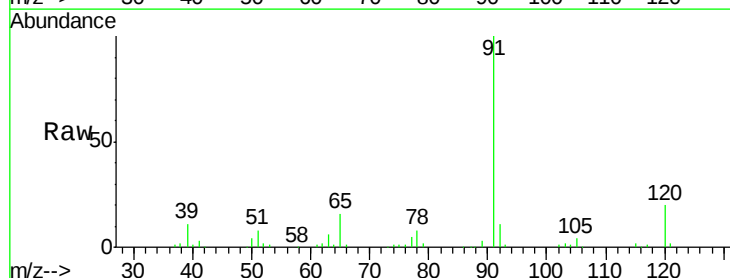
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

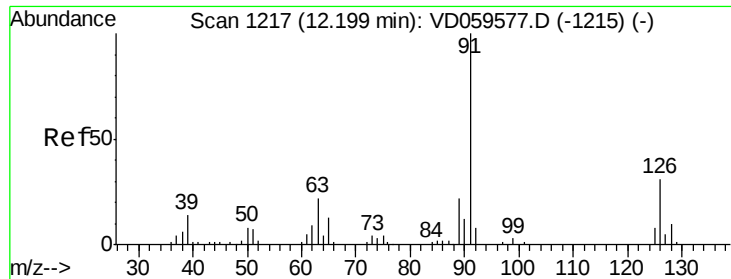
Tot Ion:156 Resp: 75258
Ion Ratio Lower Upper
156 100
77 119.7 72.4 217.2
158 98.7 48.0 144.2



#78
n-propylbenzene
Concen: 50.734 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 91 Resp: 314022
Ion Ratio Lower Upper
91 100
120 19.5 9.9 29.7

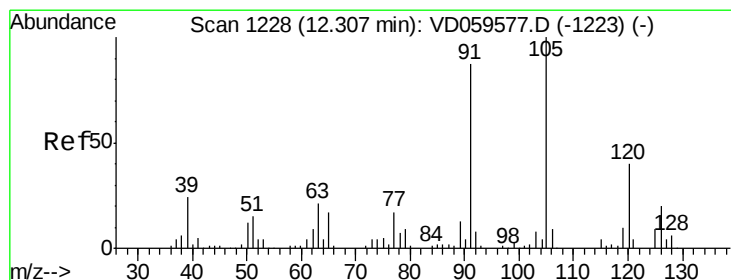
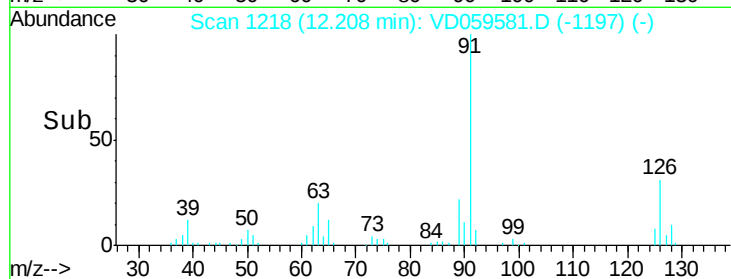
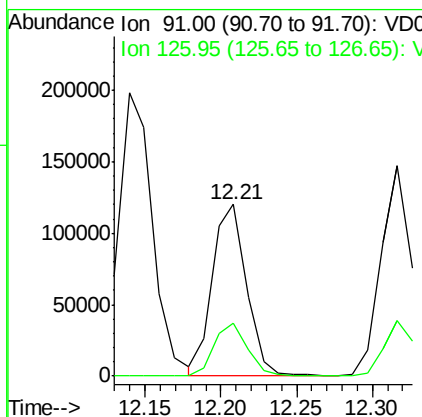
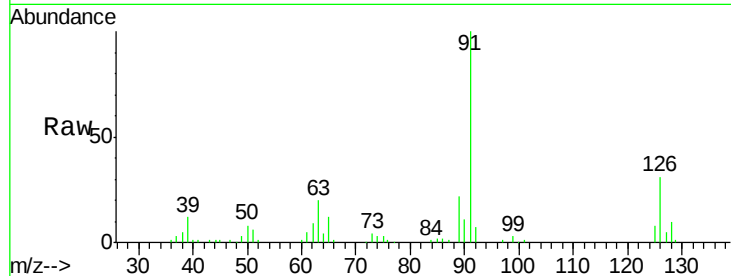




#79
 2-Chlorotoluene
 Concen: 50.774 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

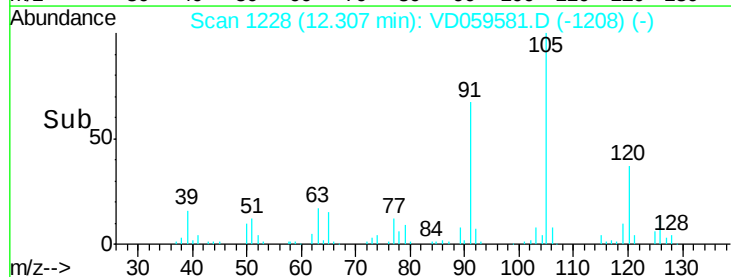
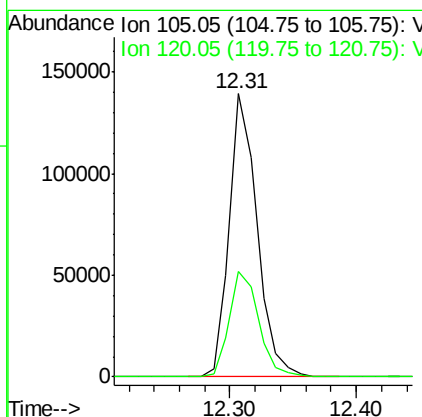
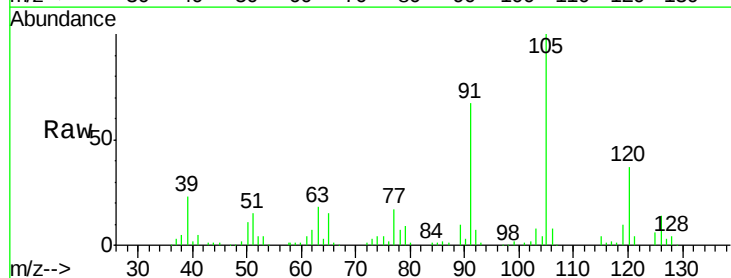
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

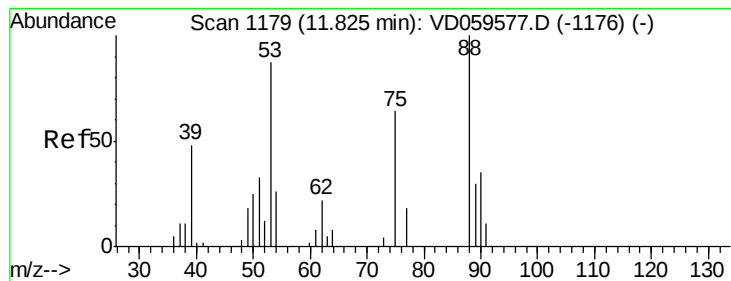
Tot Ion: 91 Resp: 187367
 Ion Ratio Lower Upper
 91 100
 126 30.6 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.492 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion: 105 Resp: 211127
 Ion Ratio Lower Upper
 105 100
 120 37.2 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.616 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

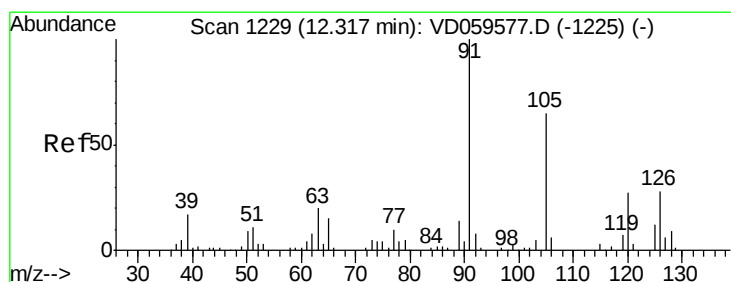
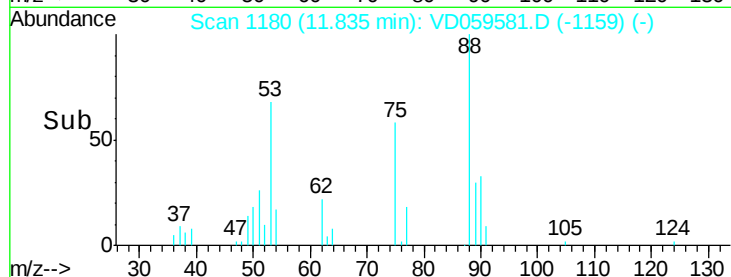
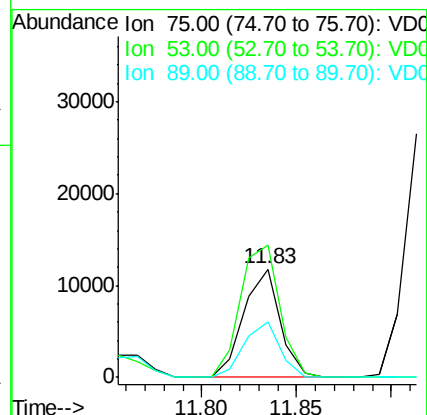
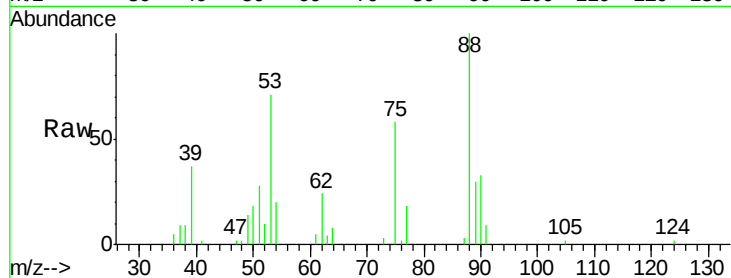
Tot Ion: 75 Resp: 15737

Ion Ratio Lower Upper

75 100

53 121.9 107.7 161.5

89 51.1 37.3 55.9



#82

4-Chlorotoluene

Concen: 51.406 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059581.D

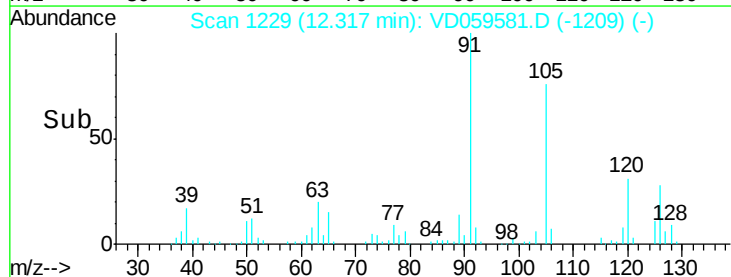
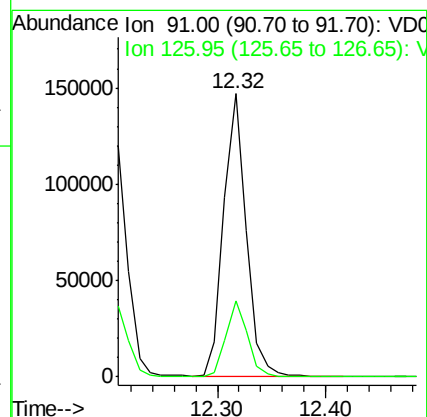
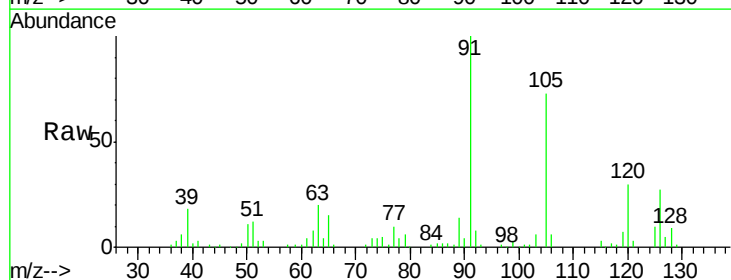
Acq: 24 Jul 2018 20:42

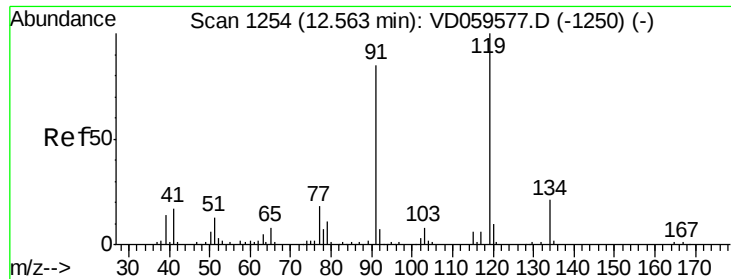
Tgt Ion: 91 Resp: 214529

Ion Ratio Lower Upper

91 100

126 26.7 14.1 42.4





#83

tert-Butylbenzene

Concen: 50.464 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.00 min

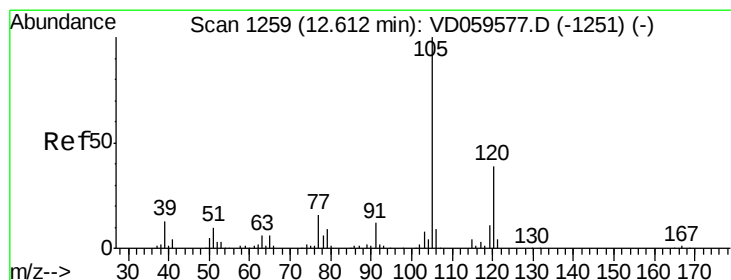
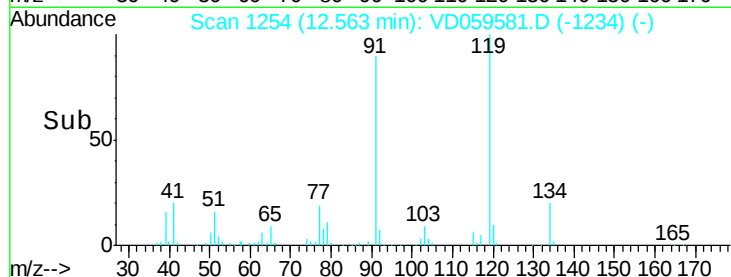
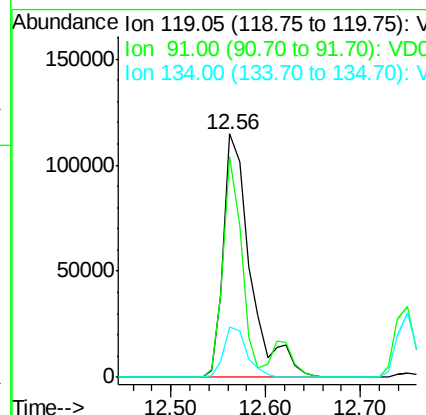
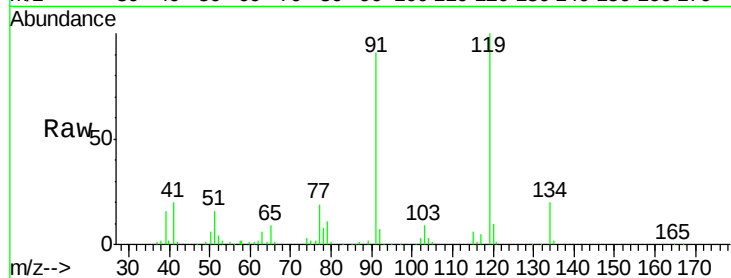
Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

Tot Ion:119 Resp: 228499

Ion	Ratio	Lower	Upper
119	100		
91	90.7	42.5	127.5
134	20.4	10.5	31.6



#84

1,2,4-Trimethylbenzene

Concen: 52.291 ug/l

RT: 12.61 min Scan# 1259

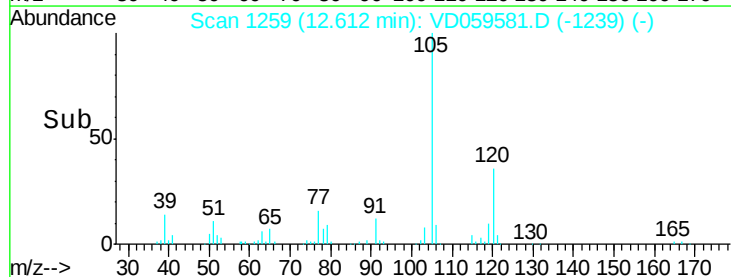
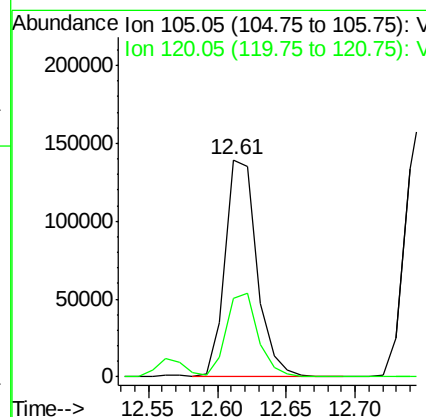
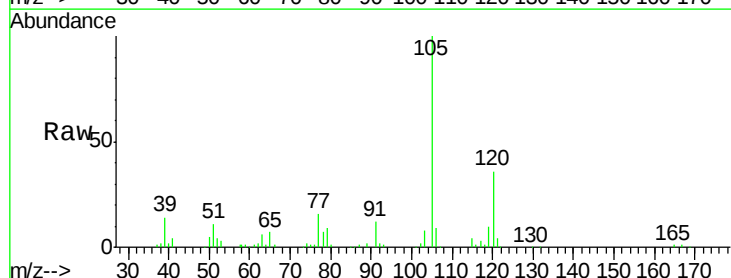
Delta R.T. -0.00 min

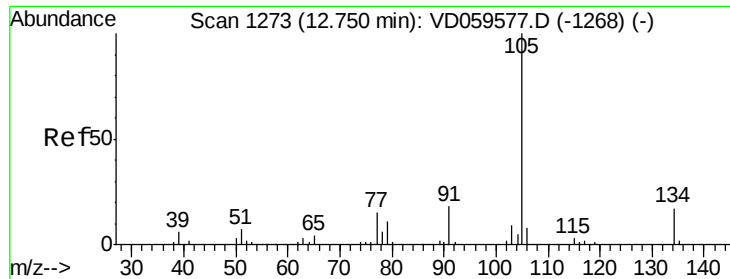
Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Tgt Ion:105 Resp: 223567

Ion	Ratio	Lower	Upper
105	100		
120	36.2	19.3	57.9





#85

sec-Butylbenzene

Concen: 49.725 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

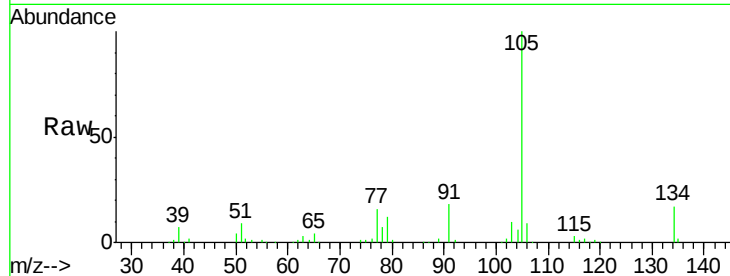
ICVVD072418

Tot Ion:105 Resp: 257287

Ion Ratio Lower Upper

105 100

134 16.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

200000

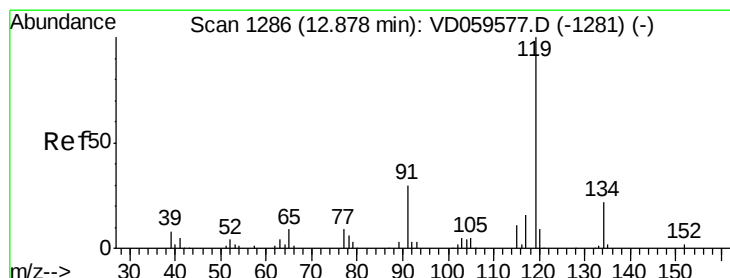
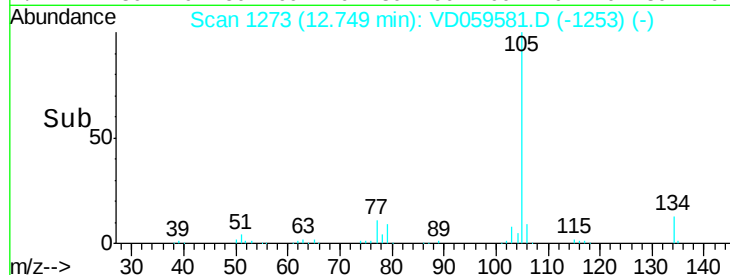
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.158 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

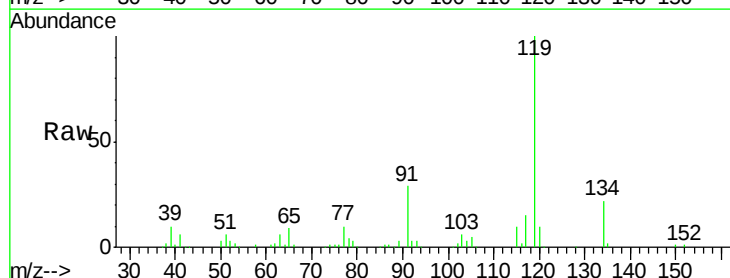
Tgt Ion:119 Resp: 218724

Ion Ratio Lower Upper

119 100

134 21.5 11.2 33.6

91 29.3 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

200000

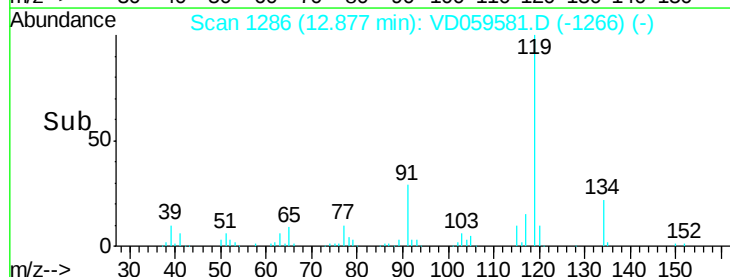
150000

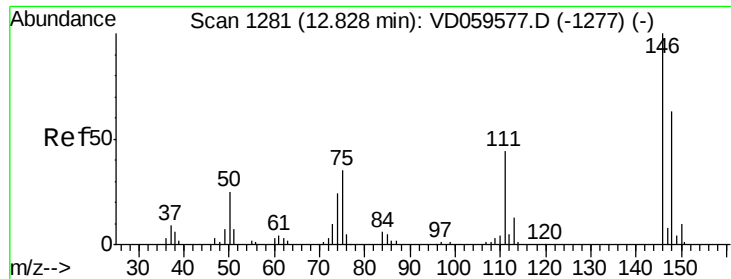
100000

50000

0

Time-->

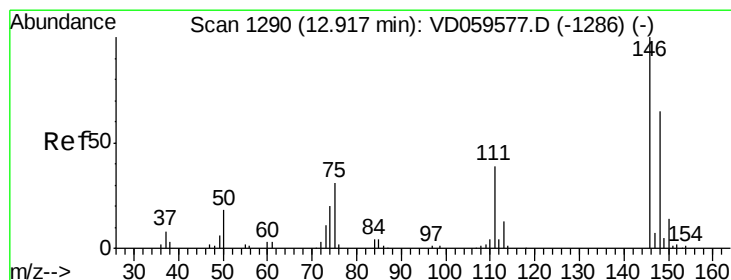
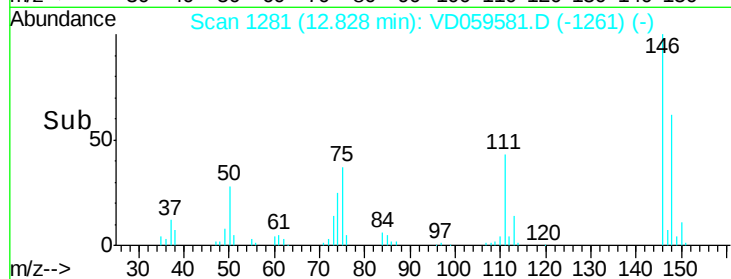
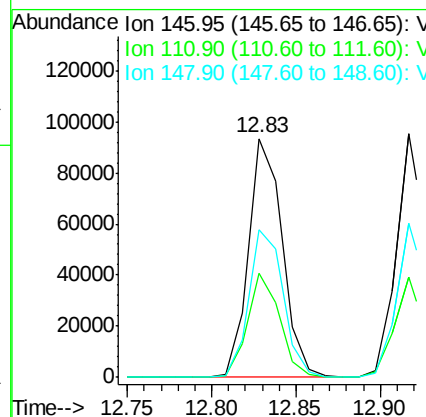
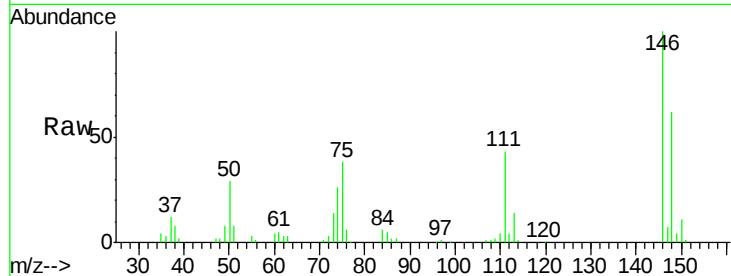




#87
 1,3-Dichlorobenzene
 Concen: 51.439 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

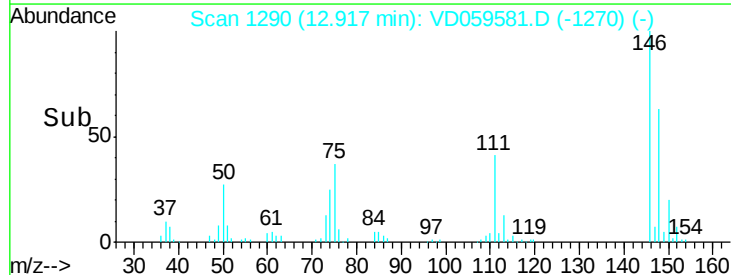
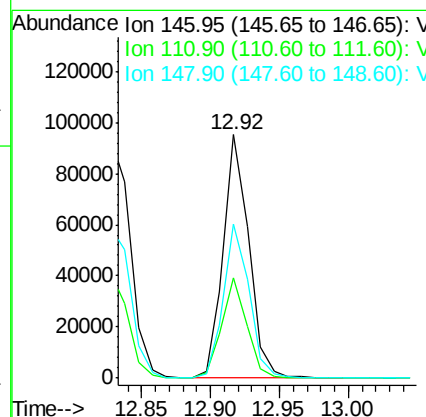
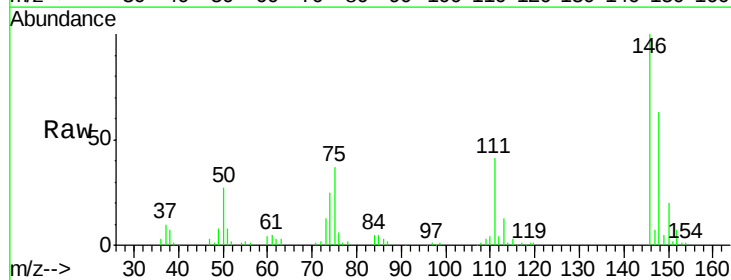
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

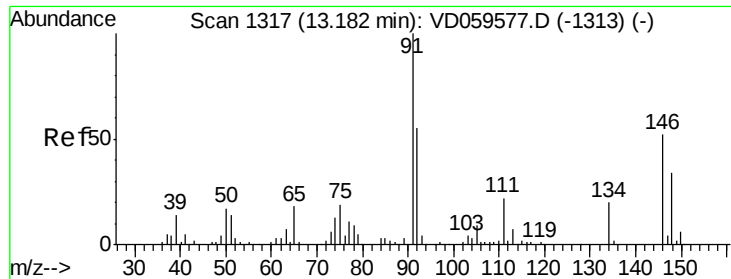
Tot Ion:146 Resp: 129737
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.2 66.6
 148 62.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 50.503 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion:146 Resp: 122717
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.3 57.9
 148 63.4 32.4 97.2

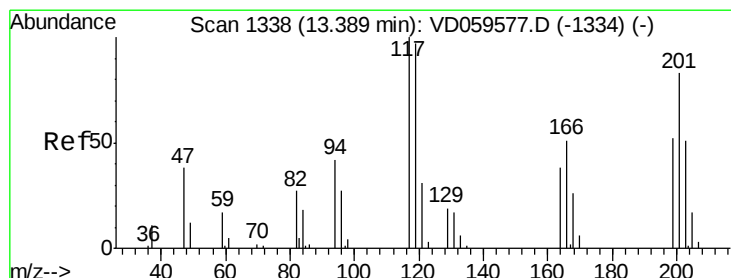
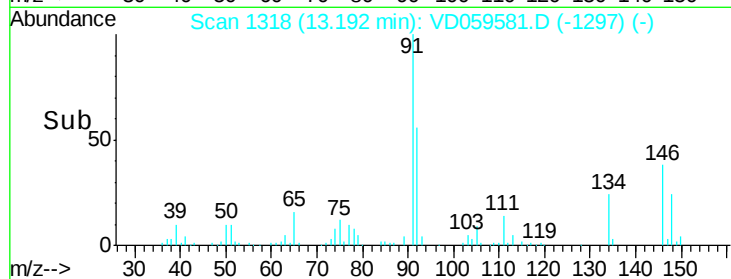
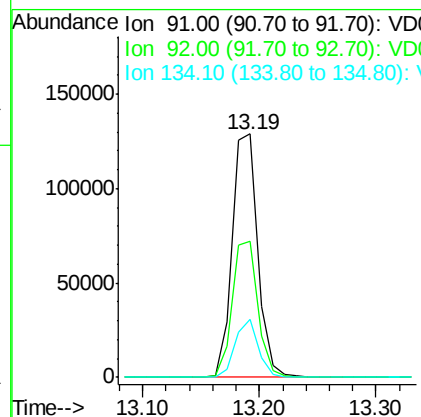
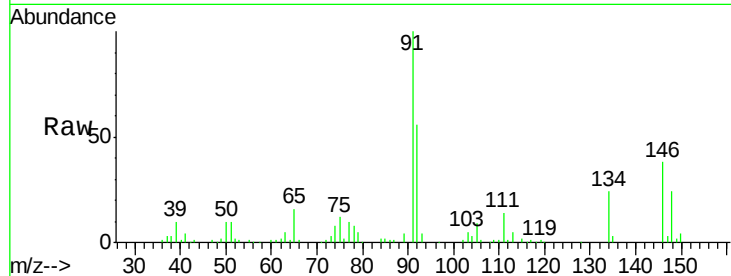




#89
n-Butylbenzene
Concen: 46.689 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

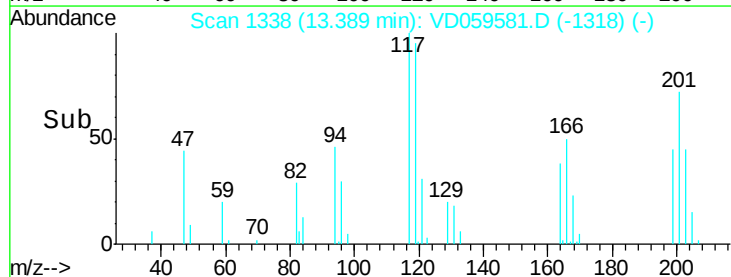
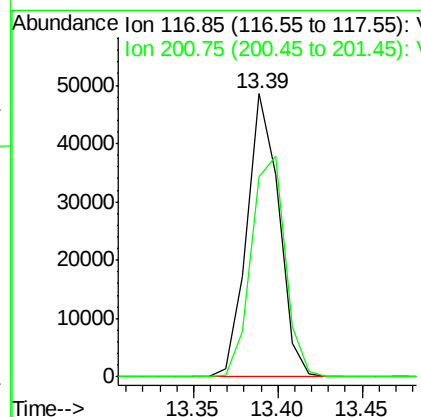
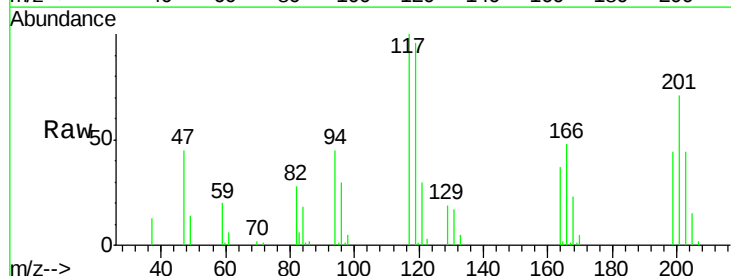
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072418

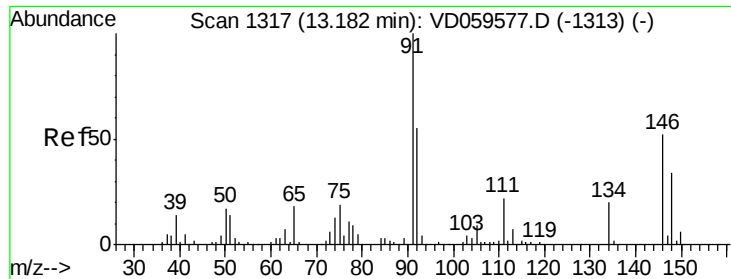
Tot Ion: 91 Resp: 196565
Ion Ratio Lower Upper
91 100
92 55.8 27.6 82.7
134 24.0 10.1 30.3



#90
Hexachloroethane
Concen: 54.838 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059581.D
Acq: 24 Jul 2018 20:42

Tgt Ion: 117 Resp: 63899
Ion Ratio Lower Upper
117 100
201 70.5 41.5 124.5





#91

1,2-Dichlorobenzene

Concen: 47.767 ug/l

RT: 13.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

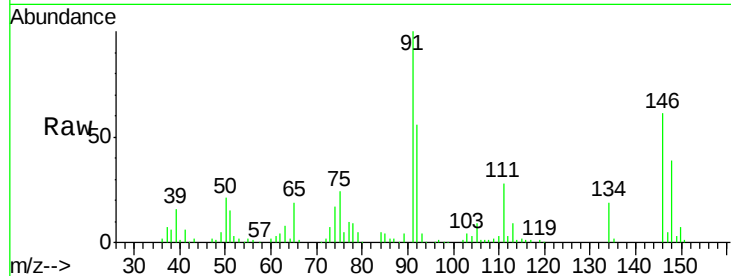
Tot Ion:146 Resp: 101085

Ion Ratio Lower Upper

146 100

111 45.6 21.4 64.3

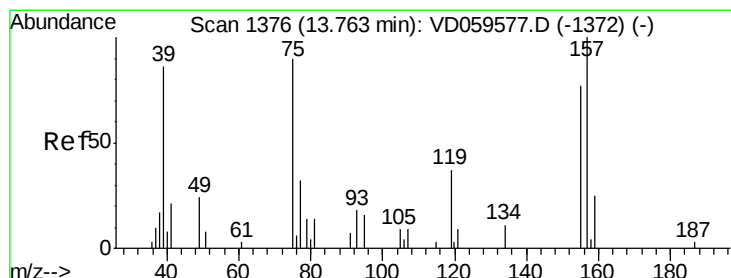
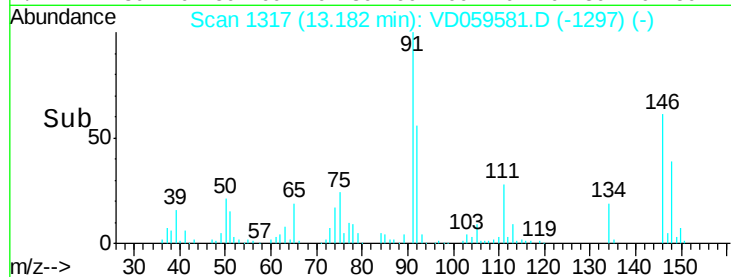
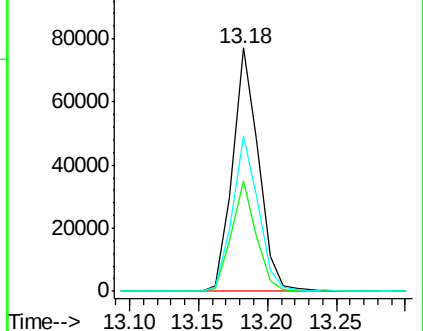
148 63.7 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.078 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

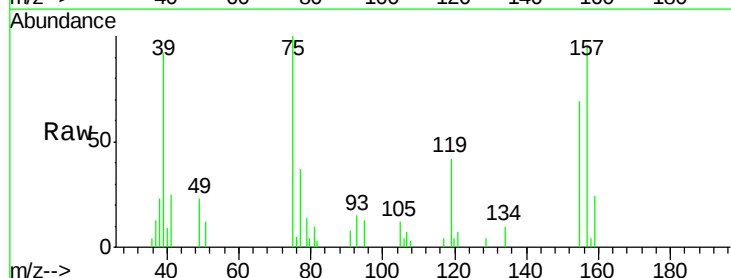
Tgt Ion: 75 Resp: 12597

Ion Ratio Lower Upper

75 100

155 68.6 42.5 127.5

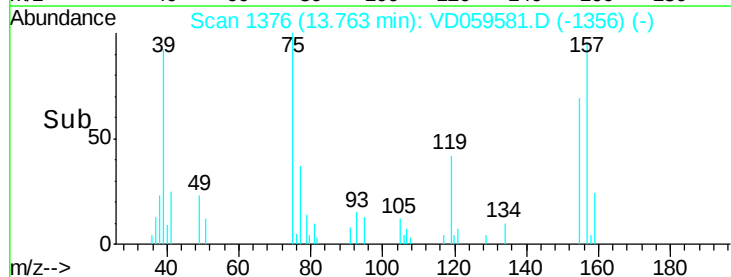
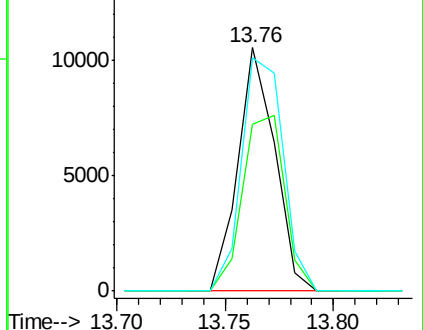
157 95.9 55.5 166.3

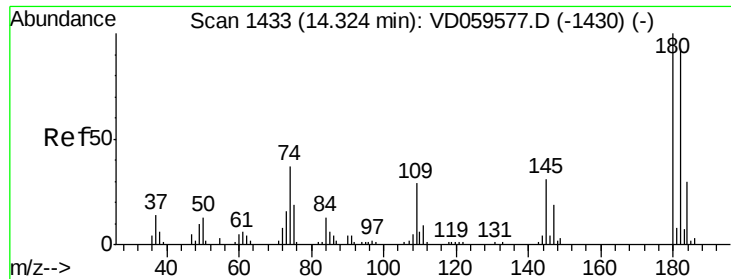


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

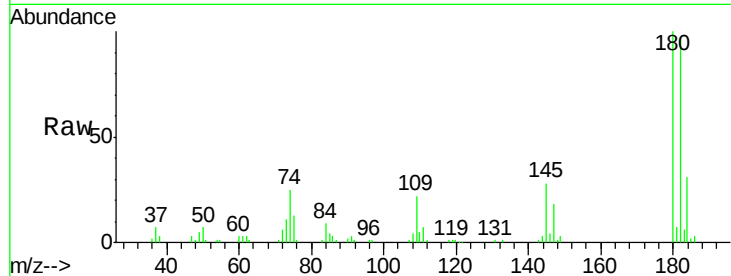




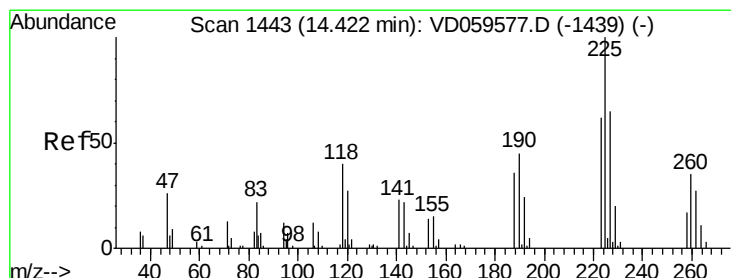
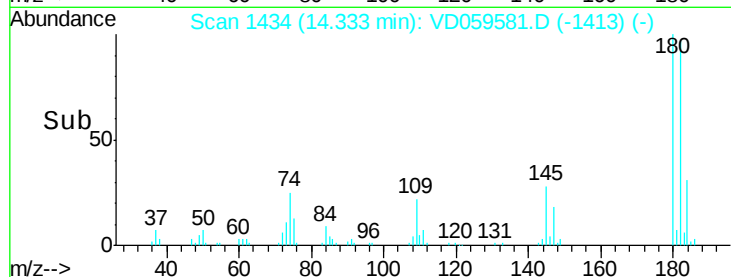
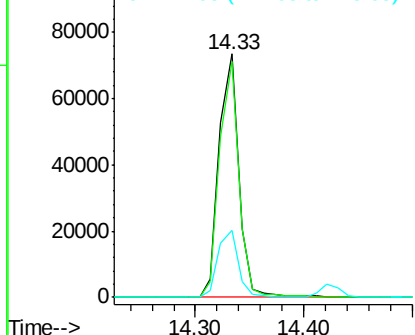
#93
 1,2,4-Trichlorobenzene
 Concen: 53.293 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072418

Tot Ion:180 Resp: 93394
 Ion Ratio Lower Upper
 180 100
 182 96.7 46.4 139.2
 145 27.7 15.7 47.0

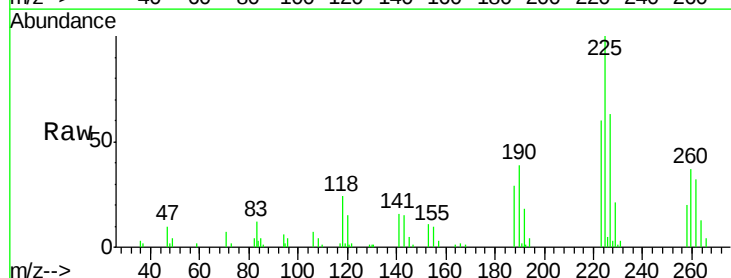


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

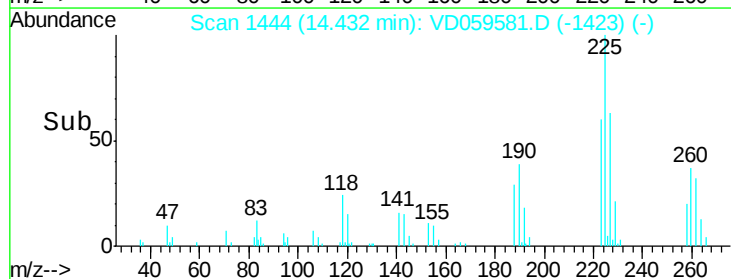
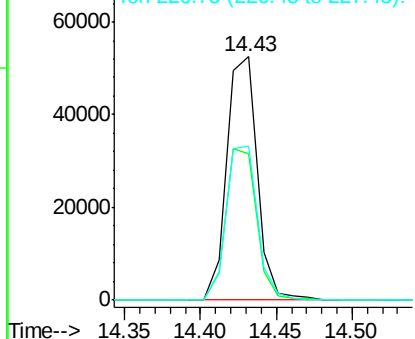


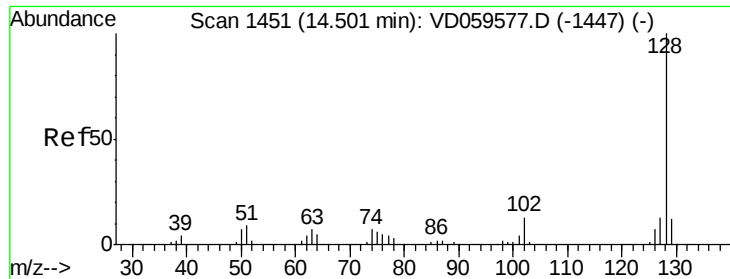
#94
 Hexachlorobutadiene
 Concen: 53.000 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059581.D
 Acq: 24 Jul 2018 20:42

Tgt Ion:225 Resp: 73264
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.1 93.5
 227 63.4 32.4 97.2



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





#95

Naphthalene

Concen: 53.131 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072418

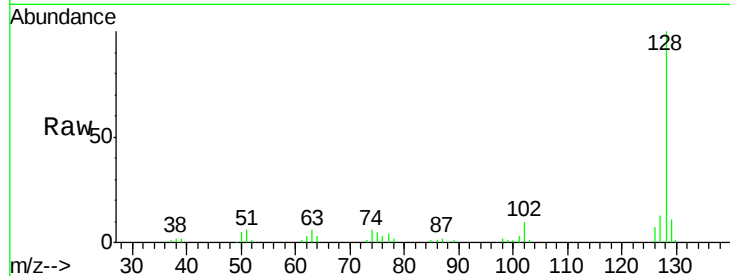
Tot Ion:128 Resp: 132420

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

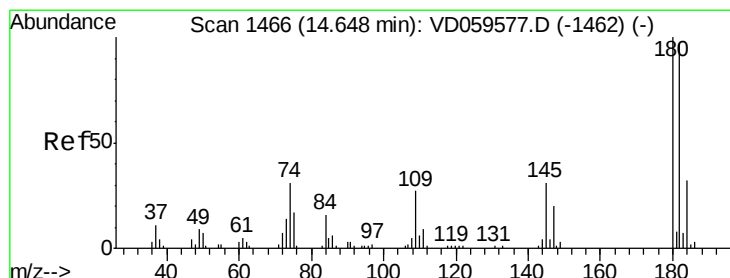
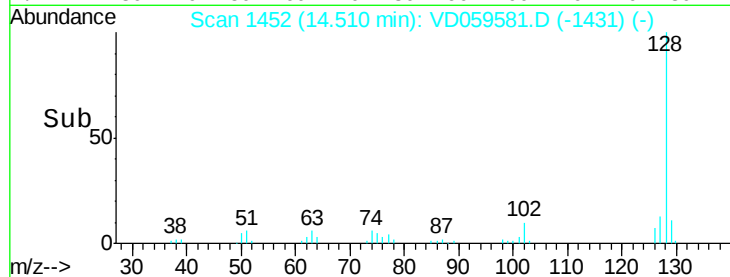
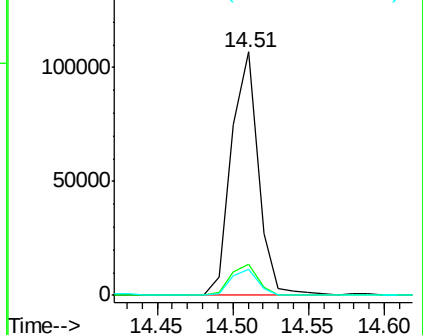
129 10.8 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.349 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059581.D

Acq: 24 Jul 2018 20:42

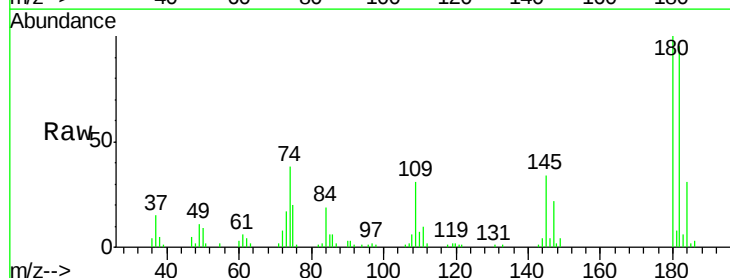
Tgt Ion:180 Resp: 83013

Ion Ratio Lower Upper

180 100

182 95.2 48.6 145.9

145 34.4 15.6 46.7



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

