

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060974.D
 Acq On : 7 Mar 2019 18:21
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Quant Time: Mar 08 02:49:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	833111	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1391989	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1130172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470105	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	323062	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	6.91	113	495628	47.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1257351	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	13.55	95	480955	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	372250	45.108	ug/l	99
3) Chloromethane	1.76	50	317380	46.167	ug/l	98
4) Vinyl Chloride	1.85	62	270890	42.644	ug/l	96
5) Bromomethane	2.16	94	55628	49.201	ug/l	94
6) Chloroethane	2.28	64	89618	47.133	ug/l	92
7) Trichlorofluoromethane	2.53	101	399006	43.725	ug/l	97
8) Diethyl Ether	2.88	74	152720	50.731	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	469095	45.979	ug/l	98
10) Methyl Iodide	3.31	142	632062	45.281	ug/l	99
11) Tert butyl alcohol	4.06	59	124603	282.242	ug/l	98
12) 1,1-Dichloroethene	3.13	96	394709	47.199	ug/l	91
13) Acrolein	3.04	56	158887	248.737	ug/l	98
14) Allyl chloride	3.63	41	640167	47.844	ug/l	98
15) Acrylonitrile	4.19	53	386177	247.499	ug/l	97
16) Acetone	3.22	43	436544	220.139	ug/l	98
17) Carbon Disulfide	3.38	76	1313801	46.572	ug/l	99
18) Methyl Acetate	3.64	43	195942	50.208	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	724731	49.450	ug/l	99
20) Methylene Chloride	3.81	84	433763	47.764	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	434793	48.035	ug/l	95
22) Diisopropyl ether	5.11	45	1265253	45.552	ug/l	98
23) Vinyl Acetate	5.05	43	3381728	237.168	ug/l	99
24) 1,1-Dichloroethane	4.98	63	706489	46.423	ug/l	100
25) 2-Butanone	6.06	43	539908	239.938	ug/l	99
26) 2,2-Dichloropropane	6.02	77	518717	43.661	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	458947	47.789	ug/l	98
28) Bromochloromethane	6.43	49	341051	52.936	ug/l	95
29) Tetrahydrofuran	6.44	42	300728	246.124	ug/l	99
30) Chloroform	6.66	83	682813	43.290	ug/l	99
31) Cyclohexane	6.94	56	573935	46.771	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	591016	43.341	ug/l	99
36) 1,1-Dichloropropene	7.14	75	538119	44.848	ug/l	99
37) Ethyl Acetate	6.18	43	252079	44.770	ug/l	97
38) Carbon Tetrachloride	7.10	117	623464	47.171	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	544620	43.774	ug/l	96
40) Benzene	7.45	78	1439504	48.012	ug/l	99
41) Methacrylonitrile	6.43	41	314759	48.601	ug/l	95
42) 1,2-Dichloroethane	7.57	62	396366	45.556	ug/l	99
43) Isopropyl Acetate	9.23	43	372873	47.813	ug/l #	99
44) Trichloroethene	8.53	130	511997	49.499	ug/l	99
45) 1,2-Dichloropropane	8.93	63	362851	46.065	ug/l	100
46) Dibromomethane	9.05	93	237321	47.497	ug/l	95
47) Bromodichloromethane	9.37	83	518970	46.028	ug/l	98
48) Methyl methacrylate	9.11	41	222007	50.561	ug/l	97
49) 1,4-Dioxane	9.07	88	50028	1126.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	1111835	232.718	ug/l	97
52) Toluene	10.50	92	866712	46.488	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501888	48.680	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	573148	46.268	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	290230	46.745	ug/l	96
56) Ethyl methacrylate	11.03	69	314448	48.385	ug/l	98
57) 1,3-Dichloropropane	11.39	76	411364	44.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	827851	240.656	ug/l	99
59) 2-Hexanone	11.52	43	861157	246.411	ug/l	97
60) Dibromochloromethane	11.68	129	418462	45.796	ug/l	97
61) 1,2-Dibromoethane	11.80	107	336513	46.592	ug/l	99
64) Tetrachloroethene	11.25	164	373898	49.009	ug/l	98
65) Chlorobenzene	12.39	112	1072616	48.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	377633	47.816	ug/l	99
67) Ethyl Benzene	12.52	91	1557137	47.207	ug/l	100
68) m/p-Xylenes	12.66	106	1126367	87.002	ug/l	98
69) o-Xylene	13.05	106	614980	48.325	ug/l	96
70) Styrene	13.07	104	982296	47.271	ug/l	98
71) Bromoform	13.22	173	237457	46.608	ug/l #	99
73) Isopropylbenzene	13.40	105	1582824	46.719	ug/l	100
74) N-amyl acetate	13.25	43	458264	48.038	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	335919	50.819	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	329659	48.742	ug/l	99
77) Bromobenzene	13.67	156	434095	50.193	ug/l	97
78) n-propylbenzene	13.77	91	1868069	47.099	ug/l	98
79) 2-Chlorotoluene	13.83	91	1022759	46.838	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	107136	53.730	ug/l	93
82) 4-Chlorotoluene	13.94	91	1121645	43.451	ug/l	97
83) tert-Butylbenzene	14.18	119	1513402	53.767	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
85) sec-Butylbenzene	14.37	105	1715086	49.911	ug/l	97
86) p-Isopropyltoluene	14.48	119	1342597	47.799	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	754701	48.870	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	744082	49.031	ug/l	98
89) n-Butylbenzene	14.79	91	1220537	45.249	ug/l	99
90) Hexachloroethane	15.00	117	390599	49.248	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	634581	49.291	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	41560	52.175	ug/l	66

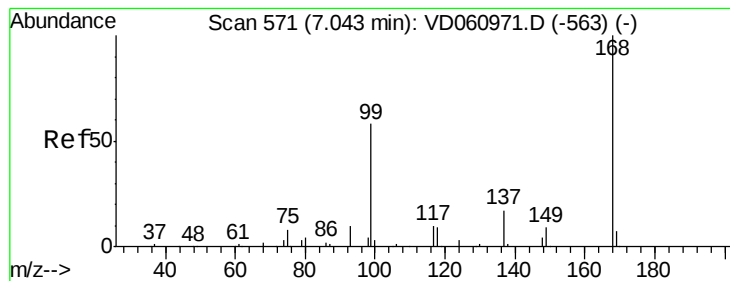
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	314769	52.704	ug/l	99
94) Hexachlorobutadiene	16.03	225	235286	52.084	ug/l	97
95) Naphthalene	16.12	128	512362	56.454	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	167881	56.913	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

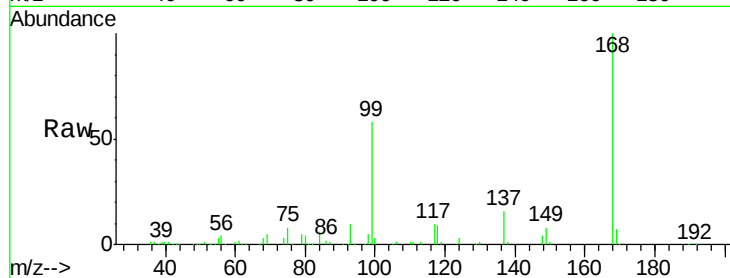
ICVVD030719

Tgt Ion:168 Resp: 833111

Ion Ratio Lower Upper

168 100

99 58.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

250000

200000

150000

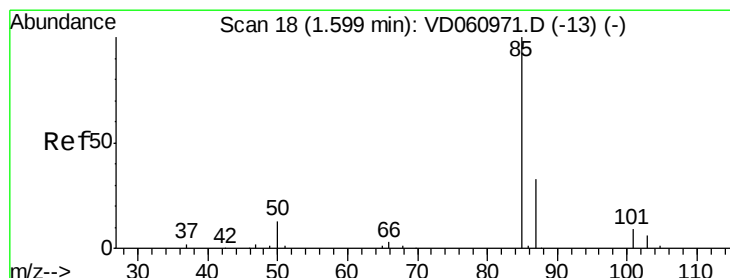
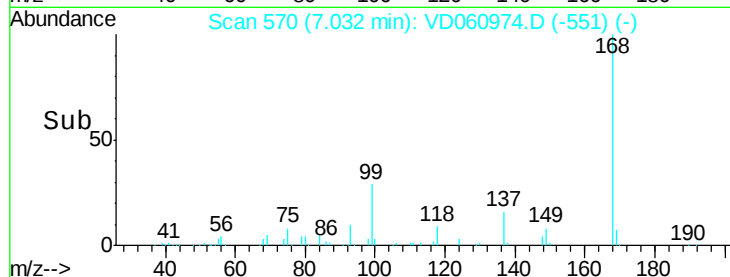
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.108 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060974.D

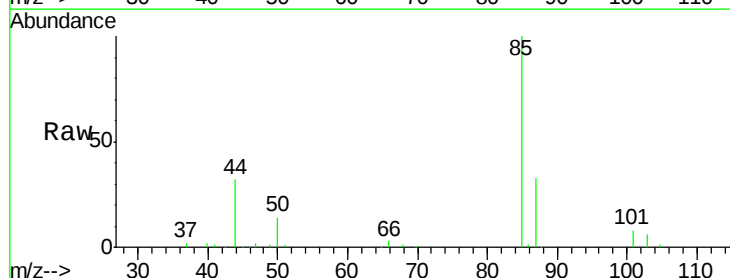
Acq: 7 Mar 2019 18:21

Tgt Ion: 85 Resp: 372250

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

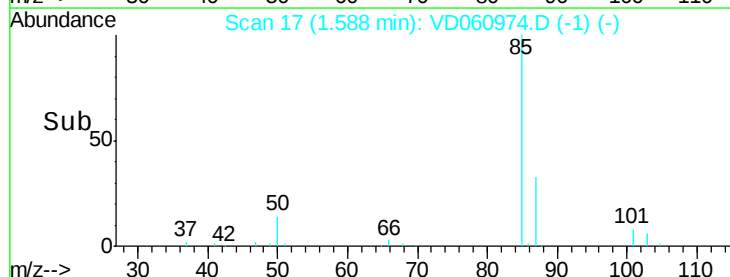
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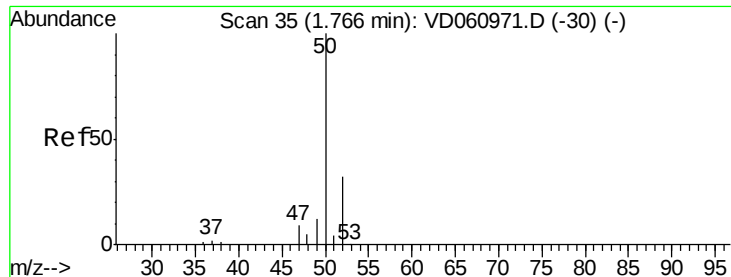
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.167 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

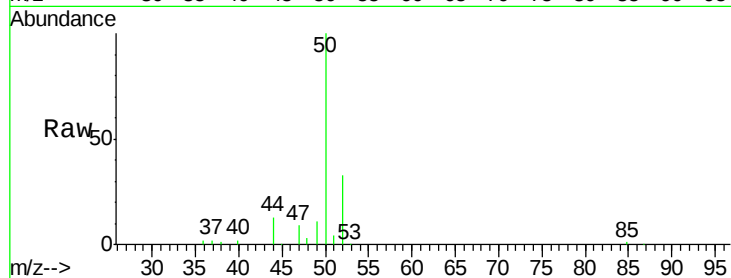
ICVVD030719

Tgt Ion: 50 Resp: 317380

Ion Ratio Lower Upper

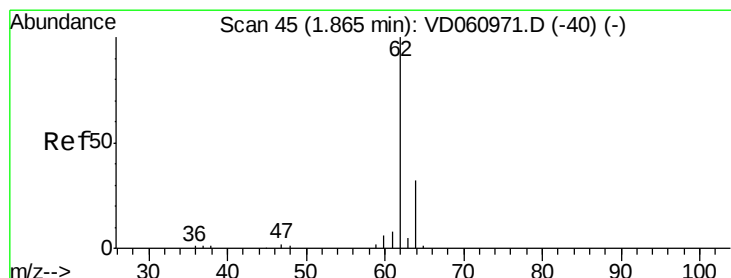
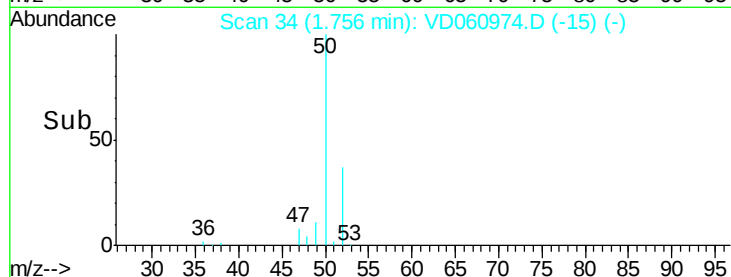
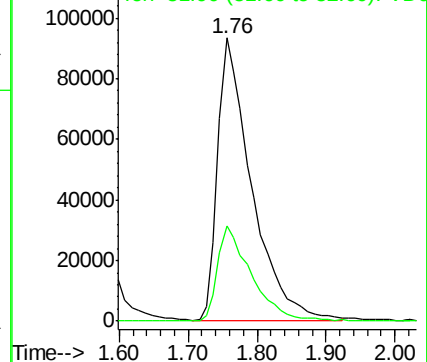
50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.644 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060974.D

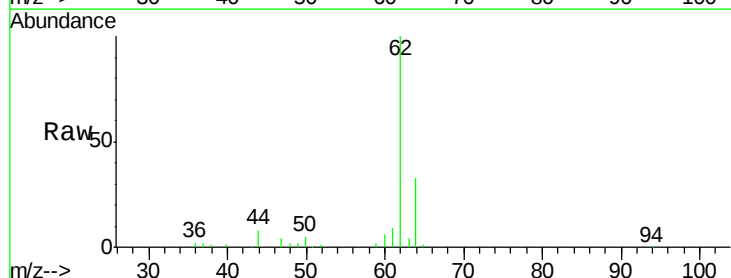
Acq: 7 Mar 2019 18:21

Tgt Ion: 62 Resp: 270890

Ion Ratio Lower Upper

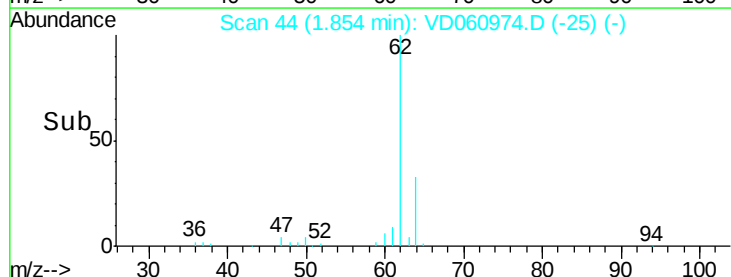
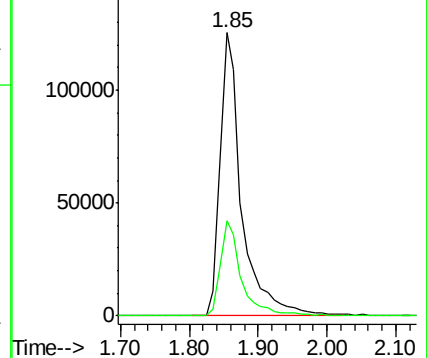
62 100

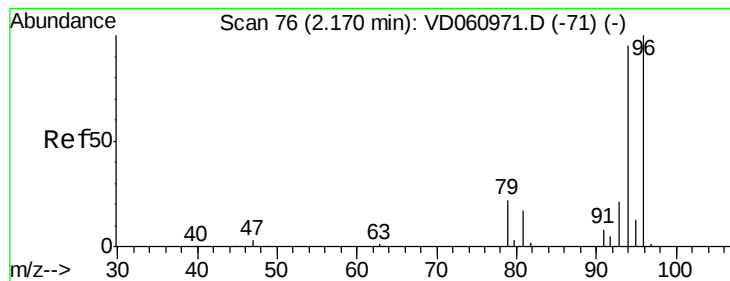
64 33.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.201 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

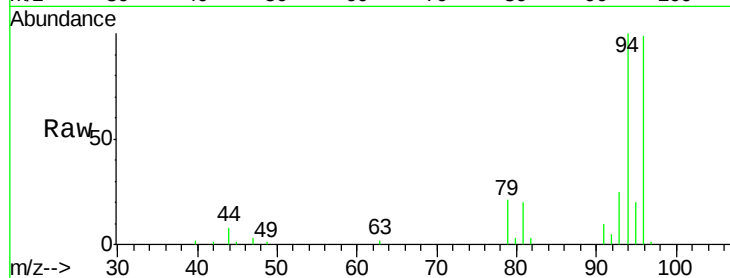
Tgt Ion: 94 Resp: 55628

Ion Ratio Lower Upper

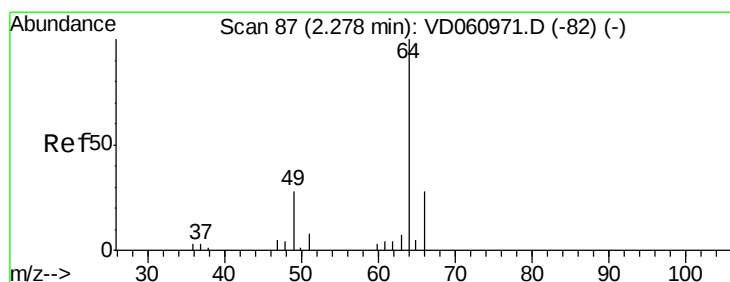
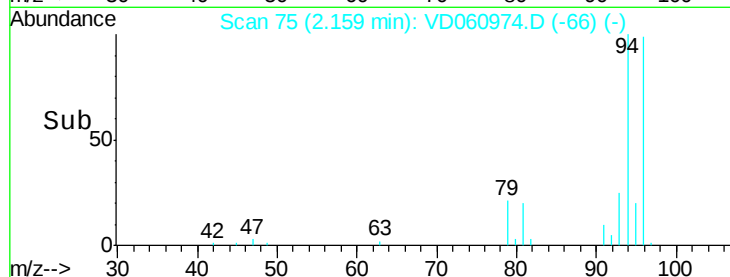
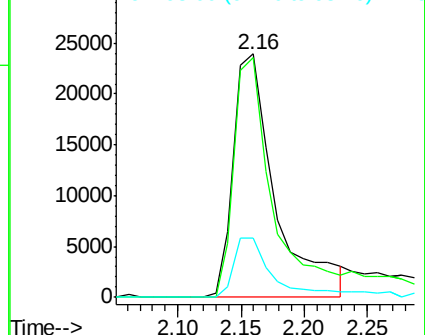
94 100

96 98.6 84.0 126.0

93 24.6 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 47.133 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD060974.D

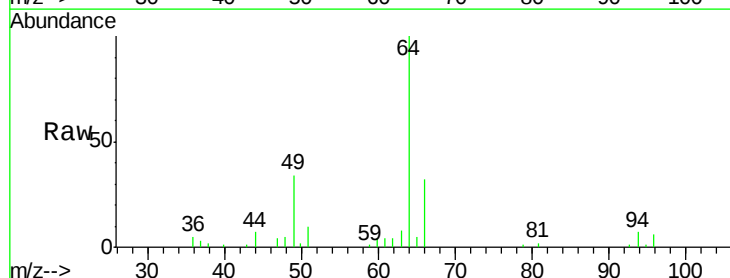
Acq: 7 Mar 2019 18:21

Tgt Ion: 64 Resp: 89618

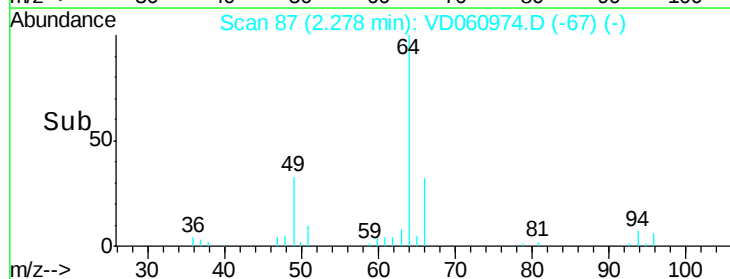
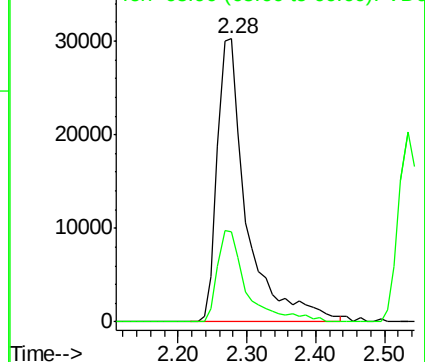
Ion Ratio Lower Upper

64 100

66 32.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



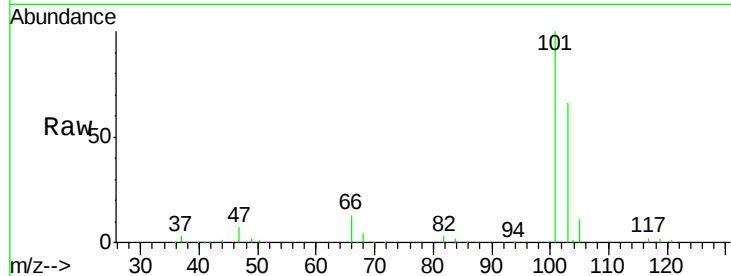


#7

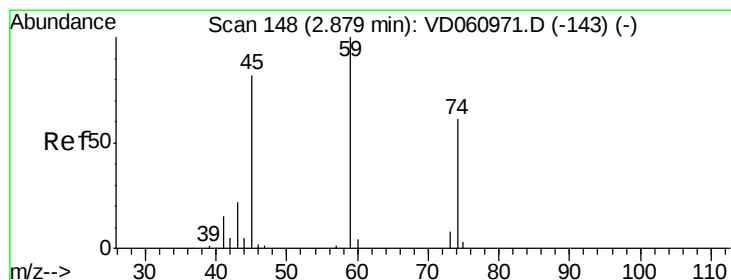
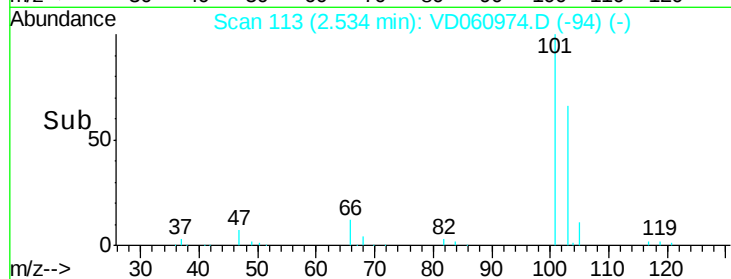
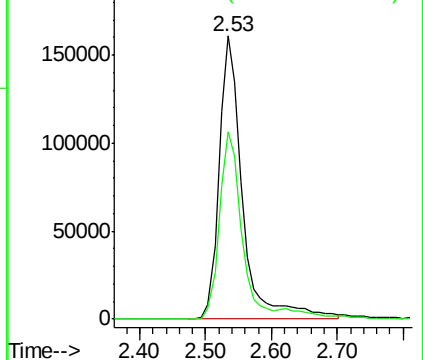
Trichlorofluoromethane
Concen: 43.725 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 101 Resp: 399006
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8



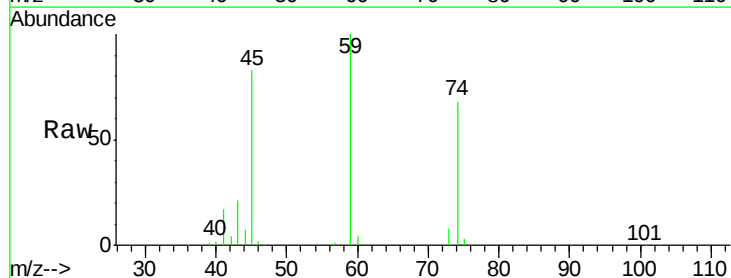
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



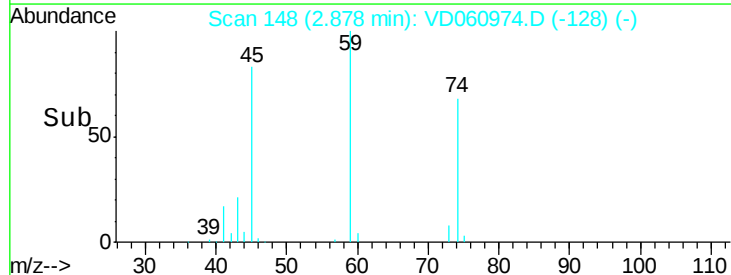
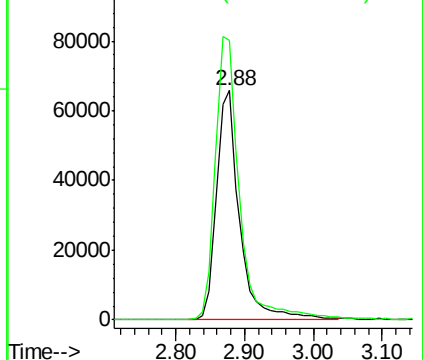
#8

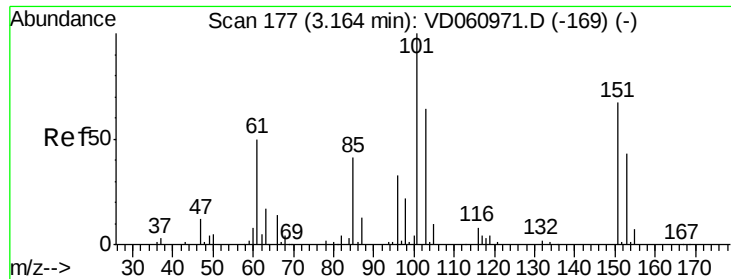
Diethyl Ether
Concen: 50.731 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 74 Resp: 152720
Ion Ratio Lower Upper
74 100
45 122.1 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.979 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

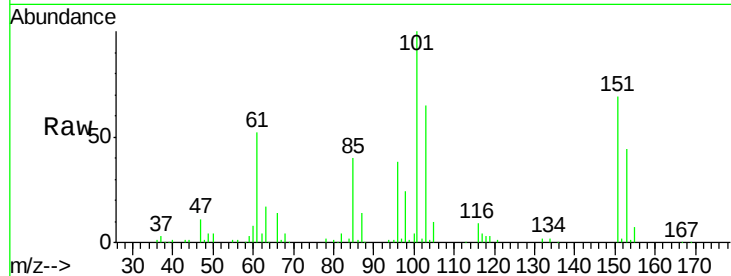
Tgt Ion:101 Resp: 469095

Ion Ratio Lower Upper

101 100

85 40.4 32.5 48.7

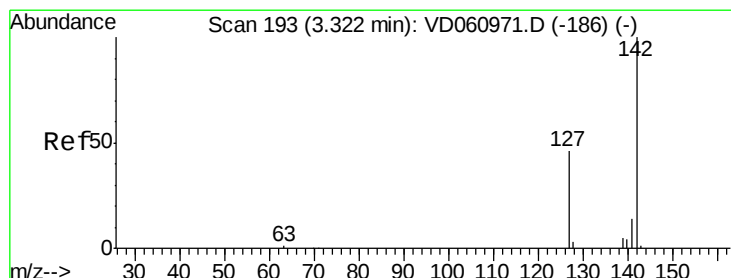
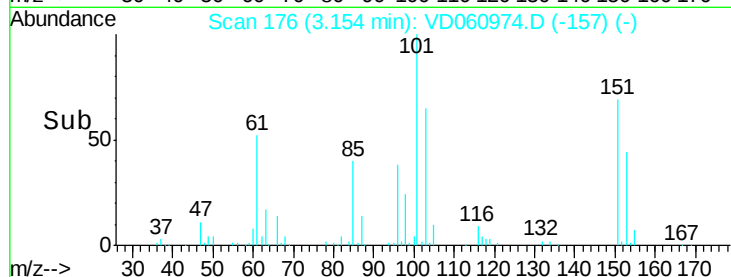
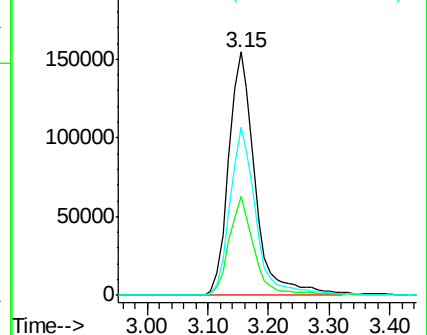
151 69.0 53.3 79.9



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: 45.281 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

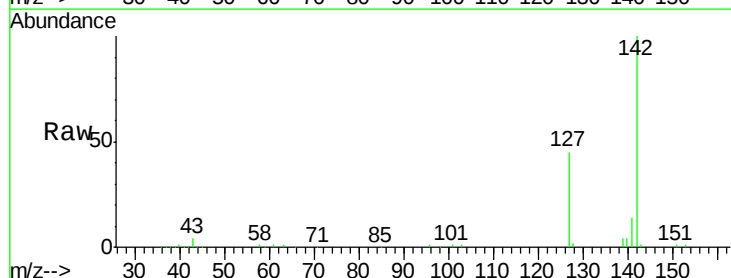
Tgt Ion:142 Resp: 632062

Ion Ratio Lower Upper

142 100

127 45.1 36.8 55.2

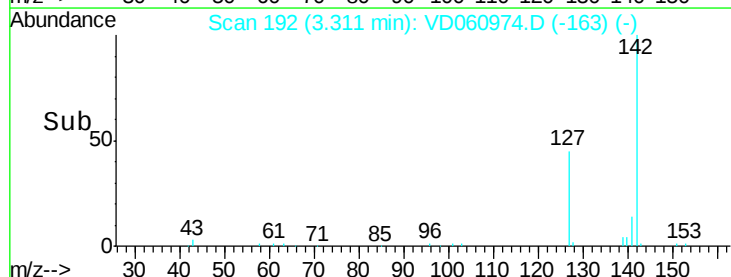
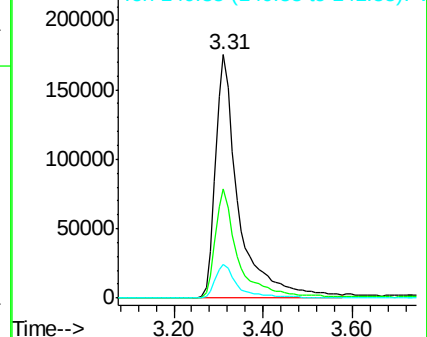
141 13.9 11.2 16.8

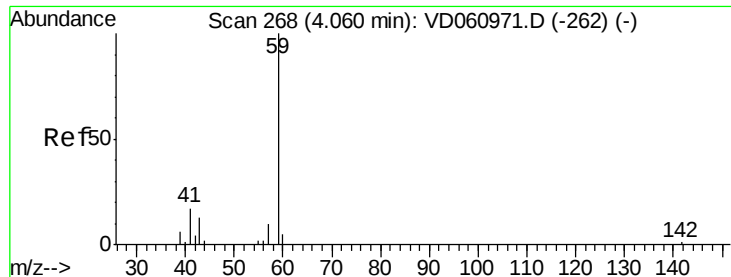


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

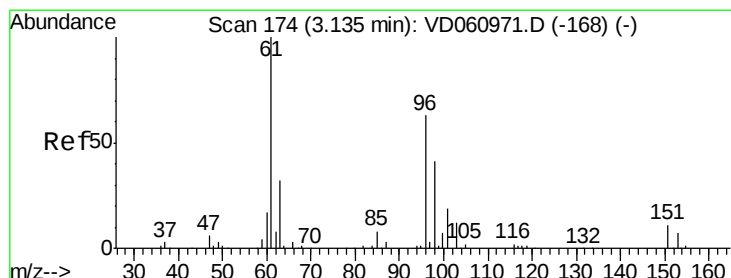
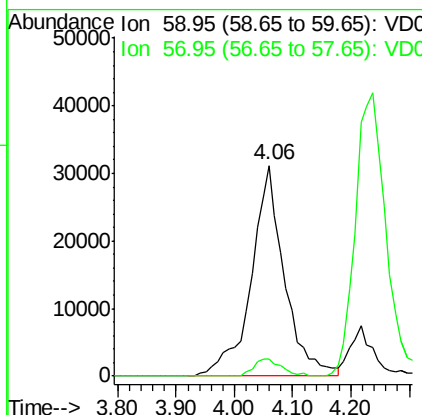
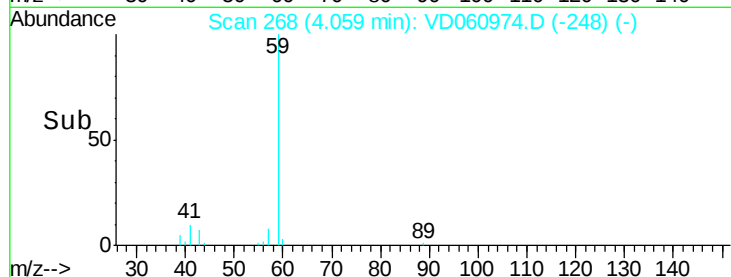
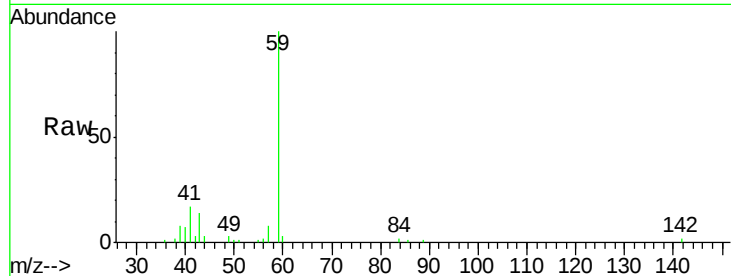




#11
Tert butyl alcohol
Concen: 282.242 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

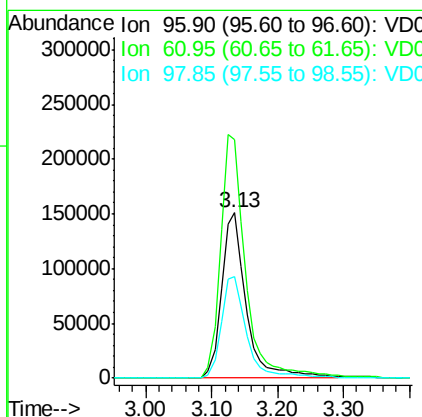
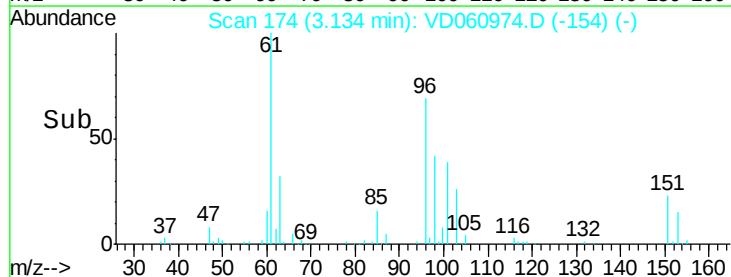
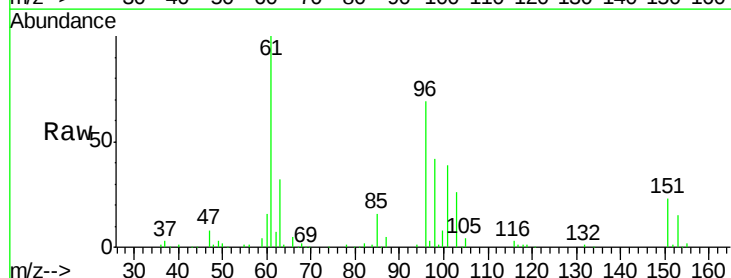
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

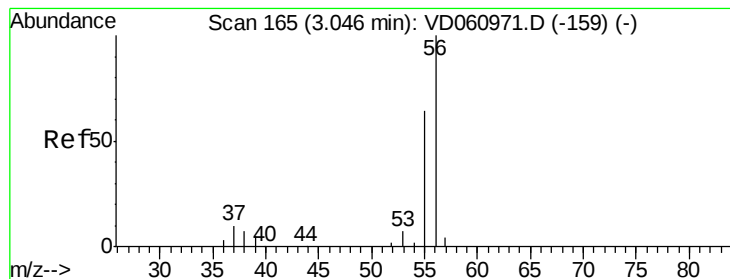
Tgt Ion: 59 Resp: 124603
Ion Ratio Lower Upper
59 100
57 8.1 7.1 10.7



#12
1,1-Dichloroethene
Concen: 47.199 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 96 Resp: 394709
Ion Ratio Lower Upper
96 100
61 144.5 127.1 190.7
98 61.3 51.5 77.3





#13

Acrolein

Concen: 248.737 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

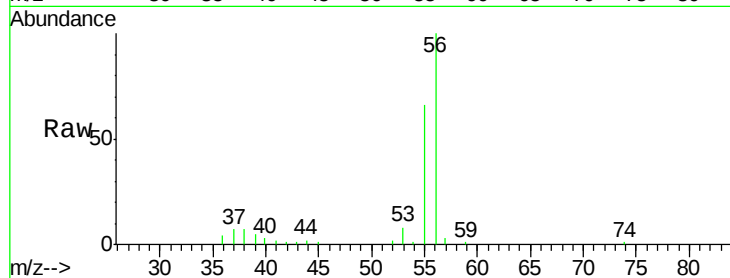
ICVVD030719

Tgt Ion: 56 Resp: 158887

Ion Ratio Lower Upper

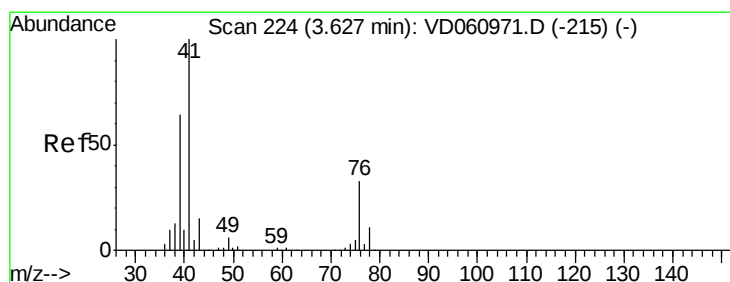
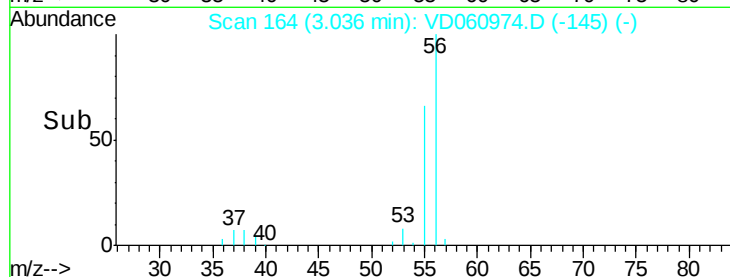
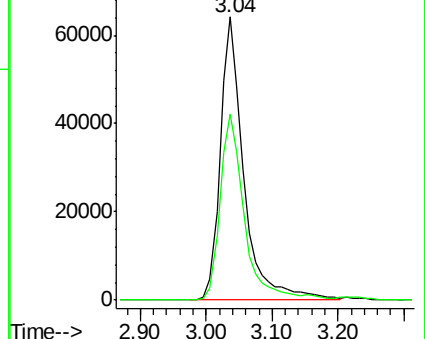
56 100

55 65.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.844 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

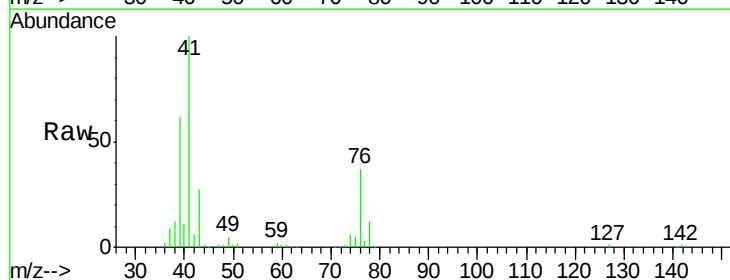
Tgt Ion: 41 Resp: 640167

Ion Ratio Lower Upper

41 100

39 61.7 51.1 76.7

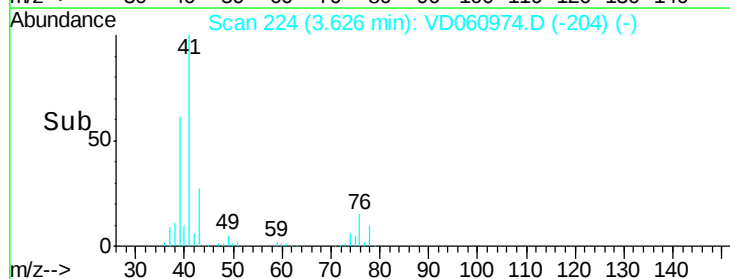
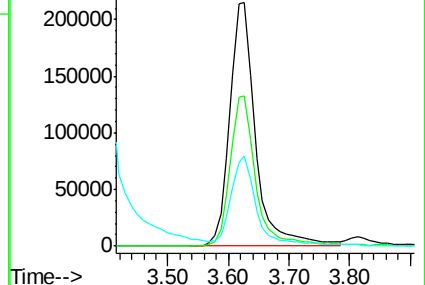
76 37.1 29.1 43.7

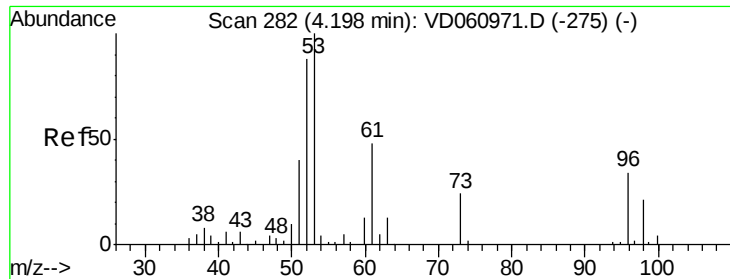


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 247.499 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

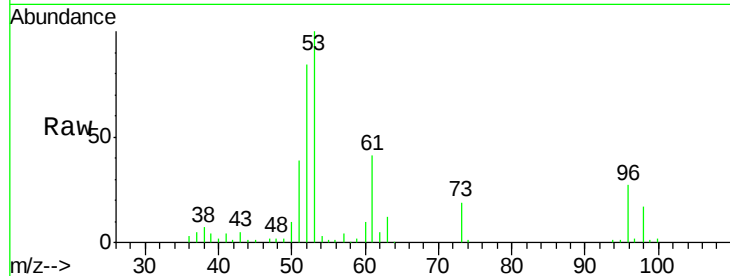
Tgt Ion: 53 Resp: 386177

Ion Ratio Lower Upper

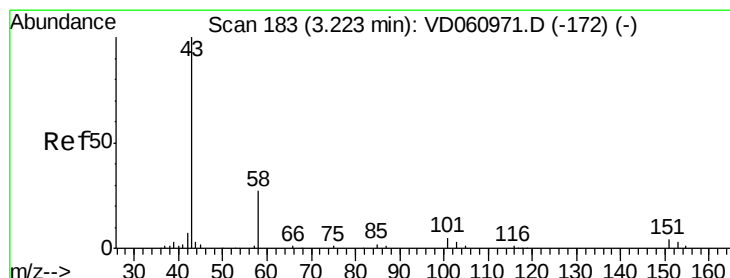
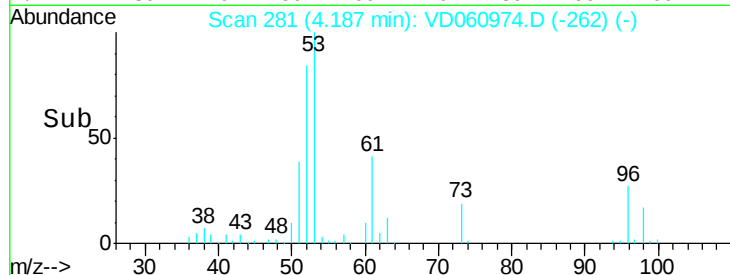
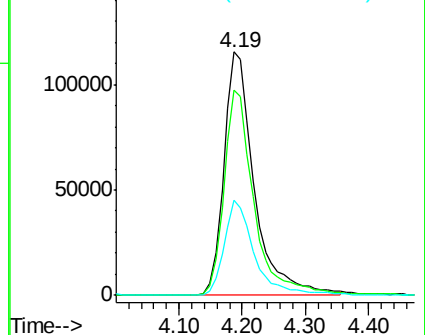
53 100

52 84.4 70.2 105.4

51 39.1 31.7 47.5



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: 220.139 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060974.D

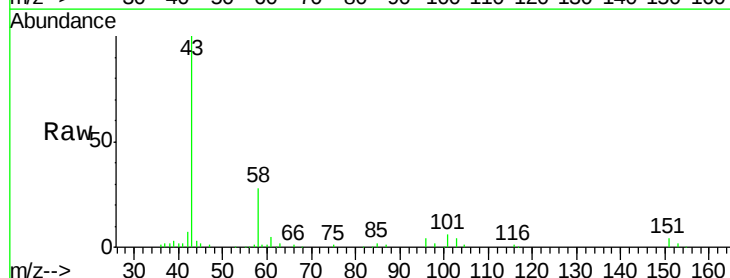
Acq: 7 Mar 2019 18:21

Tgt Ion: 43 Resp: 436544

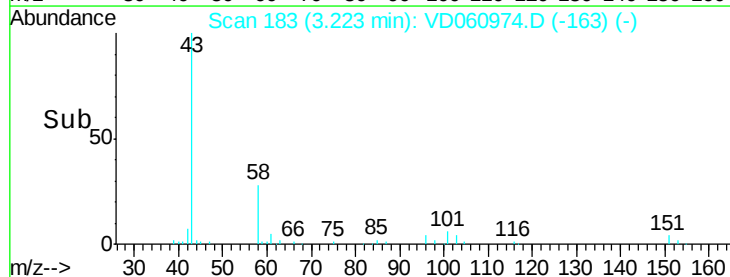
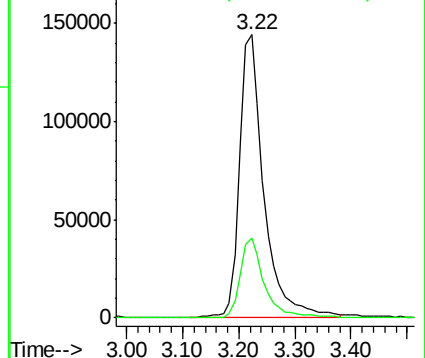
Ion Ratio Lower Upper

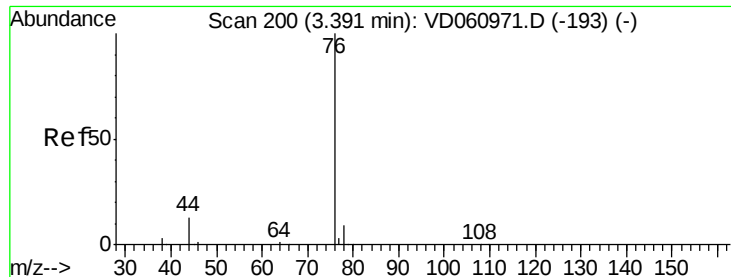
43 100

58 28.1 21.6 32.4



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

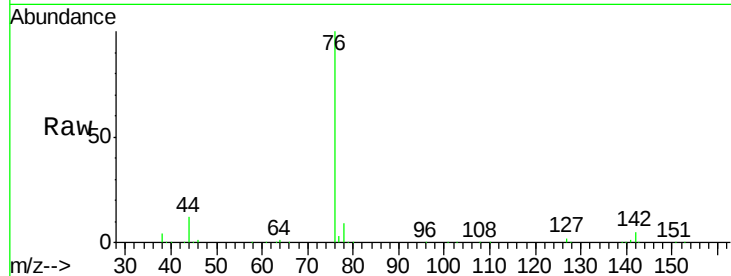




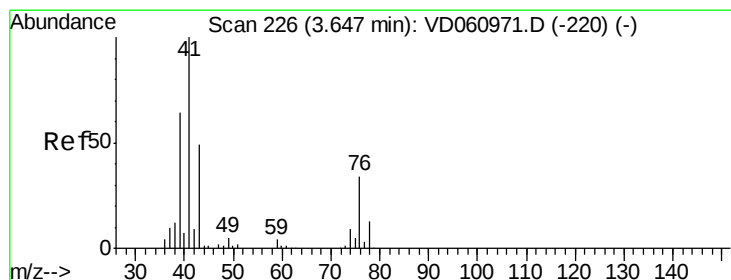
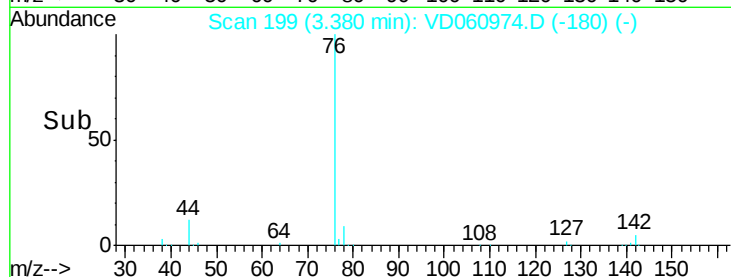
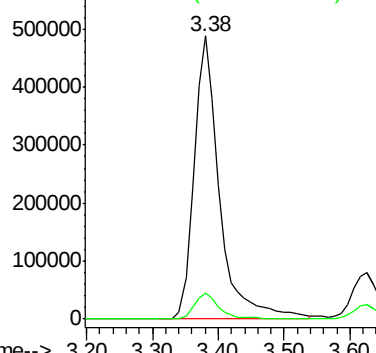
#17
Carbon Disulfide
Concen: 46.572 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 76 Resp: 1313801
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

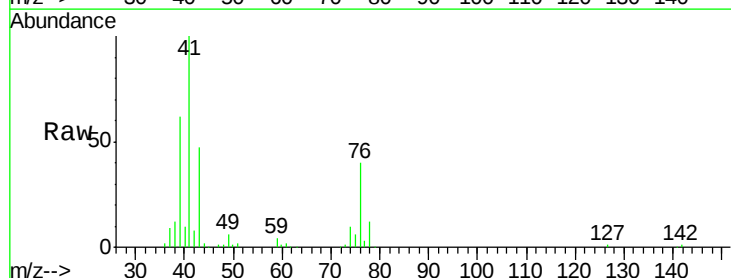


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

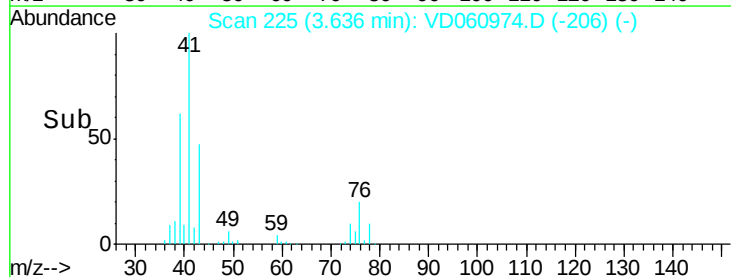
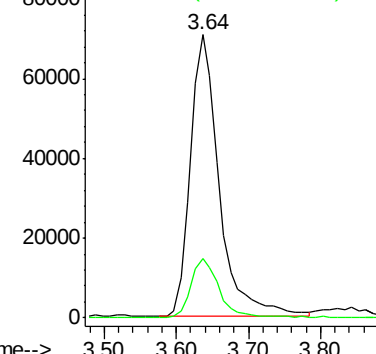


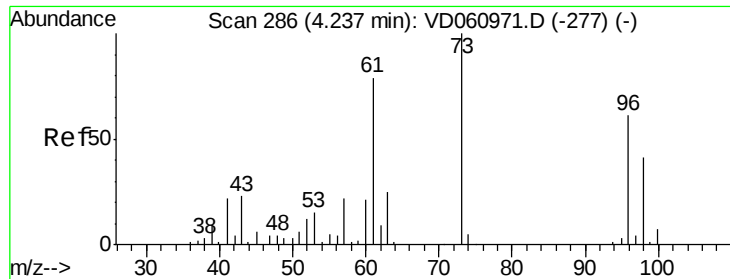
#18
Methyl Acetate
Concen: 50.208 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 43 Resp: 195942
Ion Ratio Lower Upper
43 100
74 20.8 14.6 21.8



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

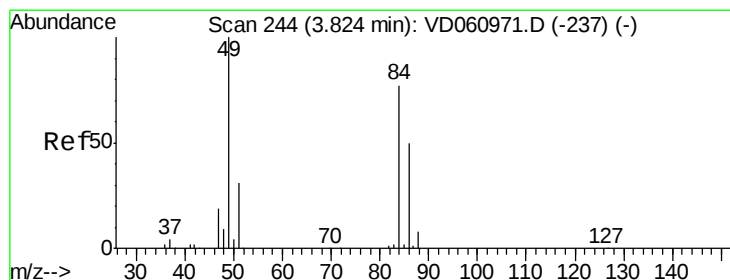
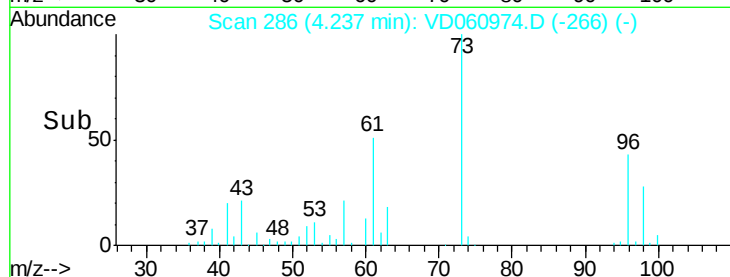
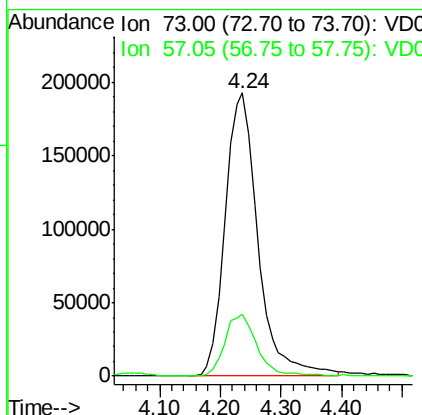
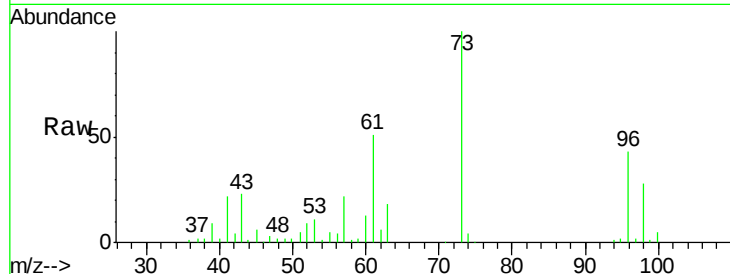




#19
Methyl tert-butyl Ether
Concen: 49.450 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

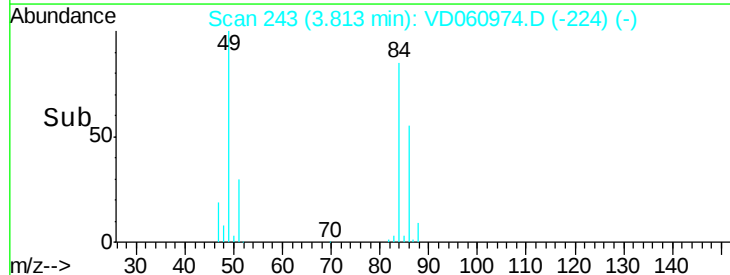
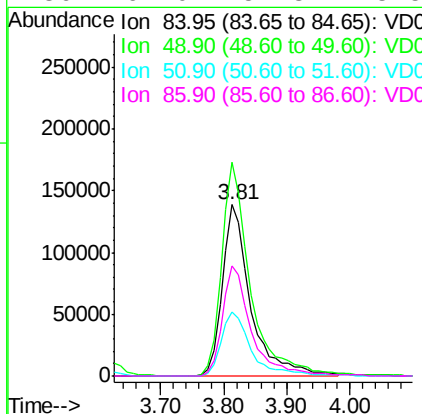
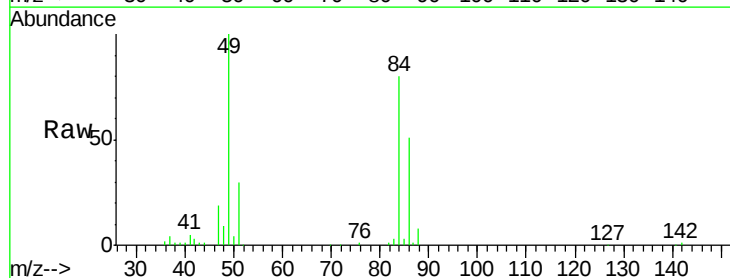
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

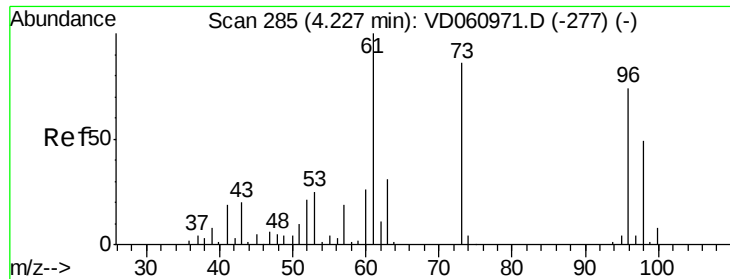
Tgt Ion: 73 Resp: 724731
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 47.764 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 84 Resp: 433763
Ion Ratio Lower Upper
84 100
49 124.7 104.2 156.2
51 37.7 32.3 48.5
86 64.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.035 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

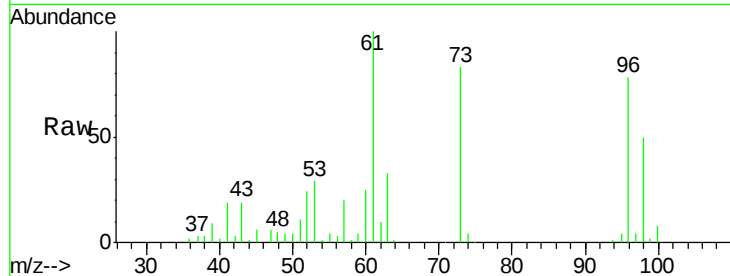
Tgt Ion: 96 Resp: 434793

Ion Ratio Lower Upper

96 100

61 128.6 108.4 162.6

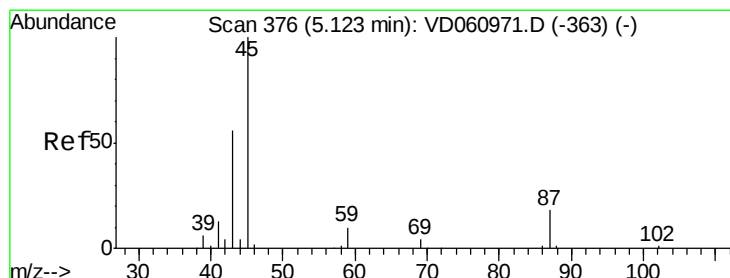
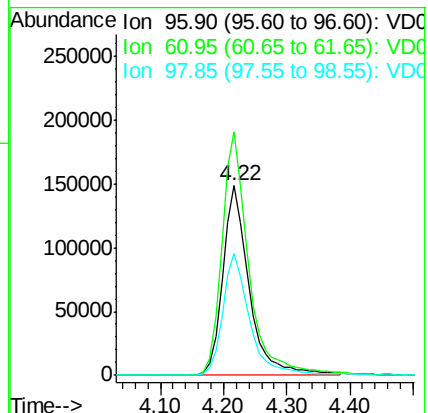
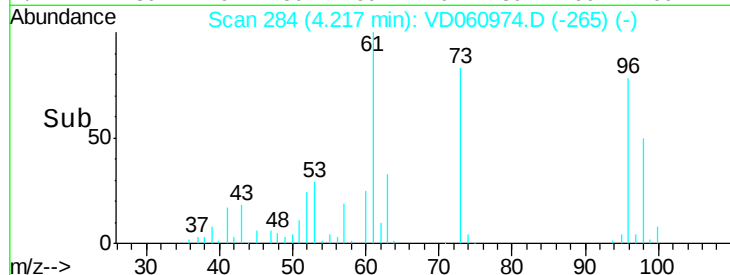
98 64.6 53.0 79.4



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: 45.552 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion: 45 Resp: 1265253

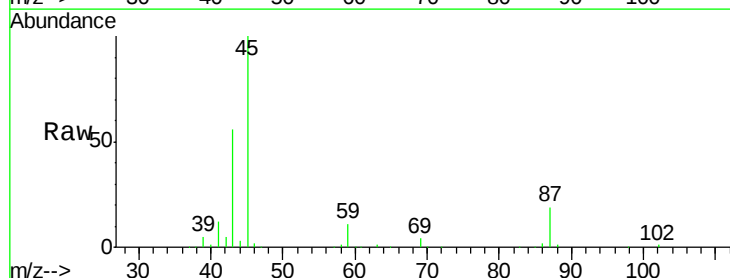
Ion Ratio Lower Upper

45 100

43 56.0 45.8 68.8

87 18.8 14.9 22.3

59 10.8 8.0 12.0

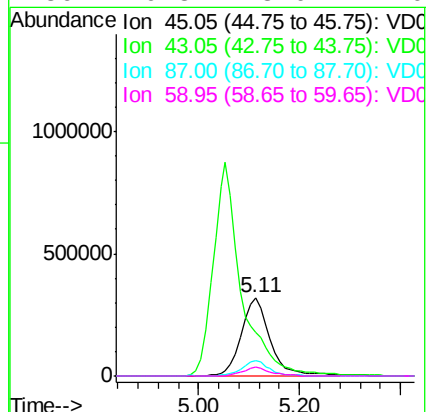
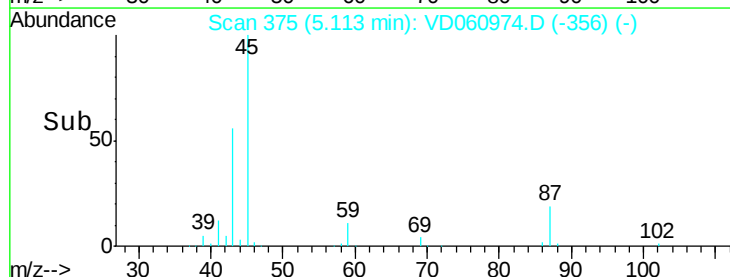


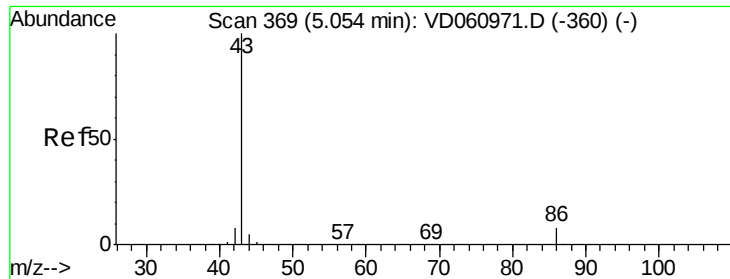
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 237.168 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

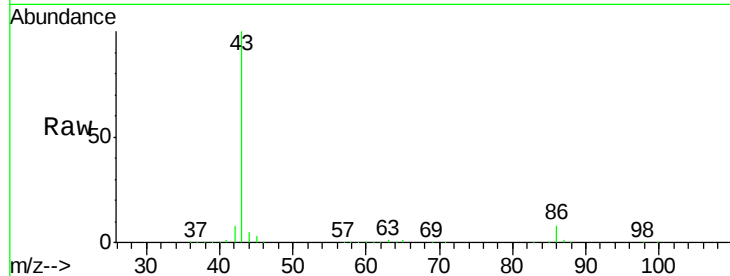
ICVVD030719

Tgt Ion: 43 Resp: 3381728

Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

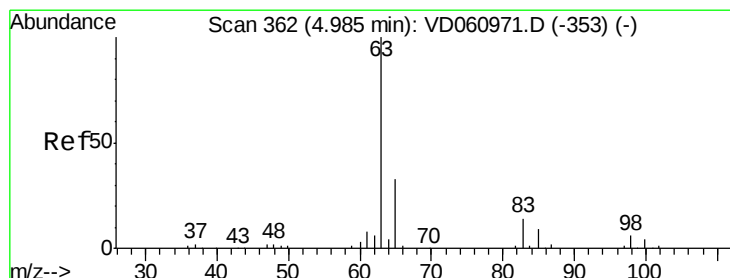
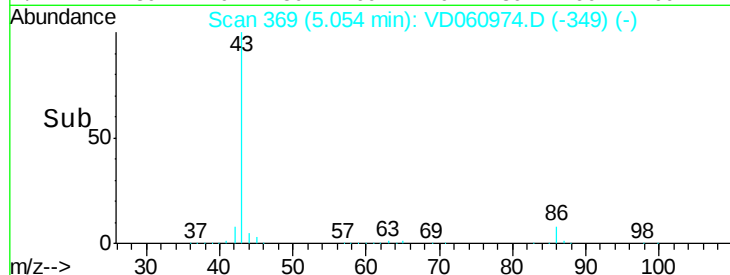
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.423 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

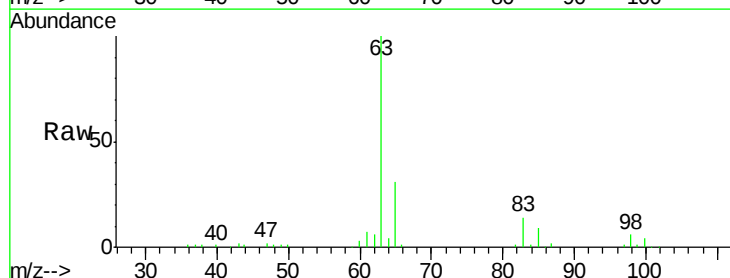
Tgt Ion: 63 Resp: 706489

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 2.0 5.8



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

4.98

250000

200000

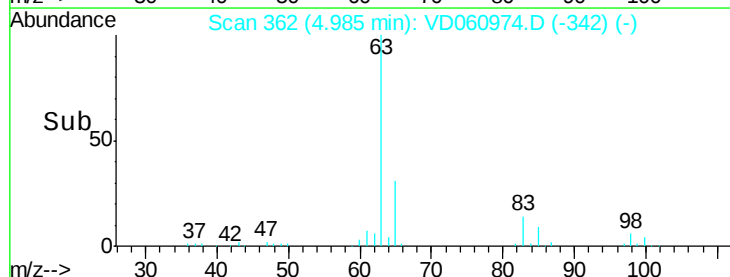
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 239.938 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

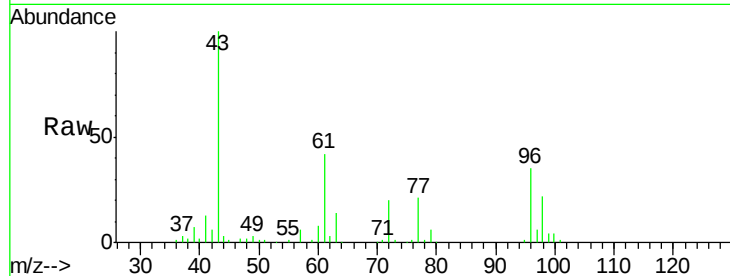
ICVVD030719

Tgt Ion: 43 Resp: 539908

Ion Ratio Lower Upper

43 100

72 20.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

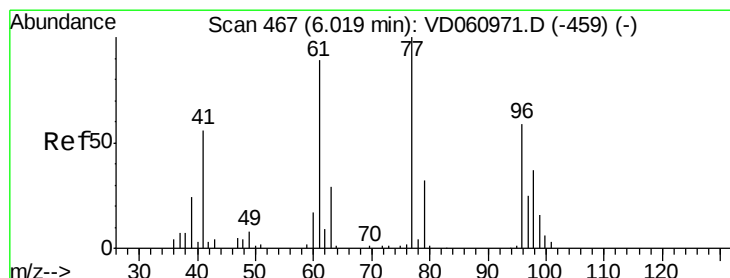
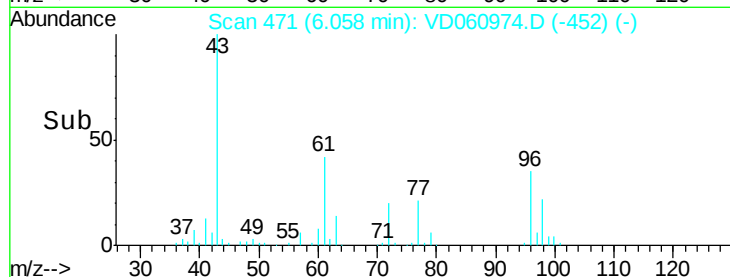
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 43.661 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060974.D

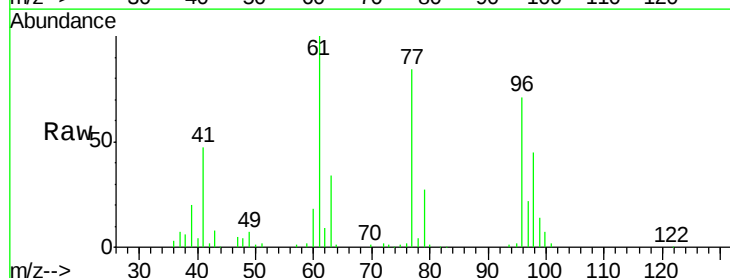
Acq: 7 Mar 2019 18:21

Tgt Ion: 77 Resp: 518717

Ion Ratio Lower Upper

77 100

97 26.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

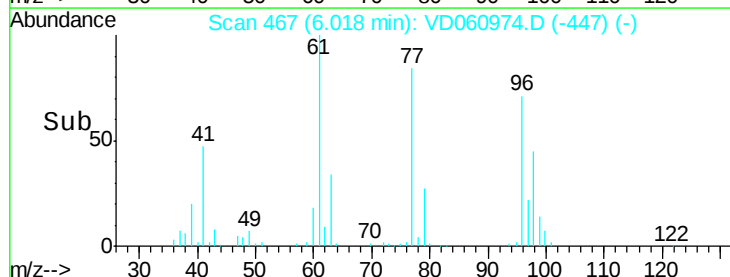
150000

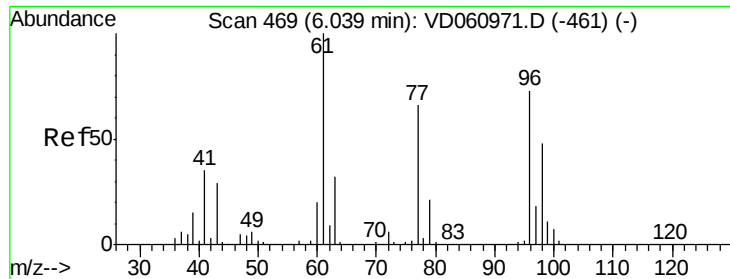
100000

50000

0

Time--> 5.90 6.00 6.10 6.20



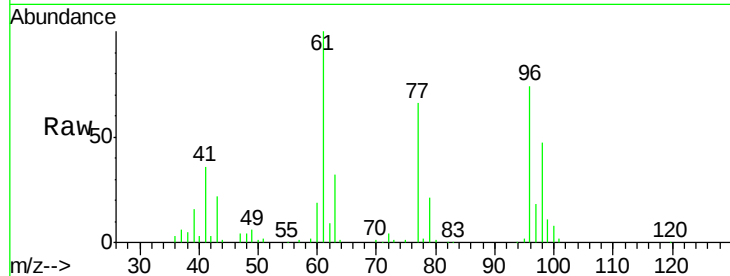


#27

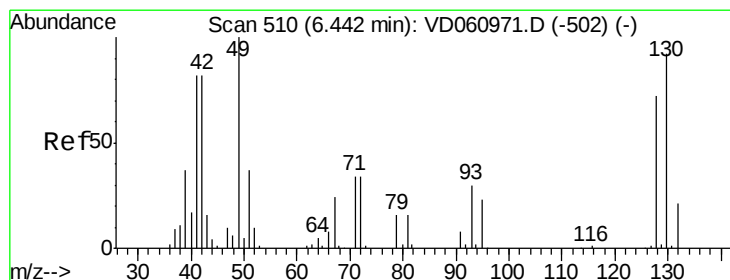
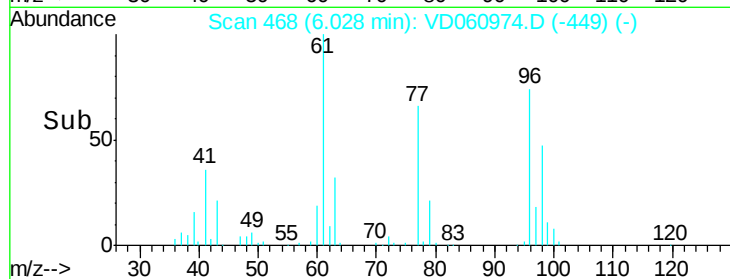
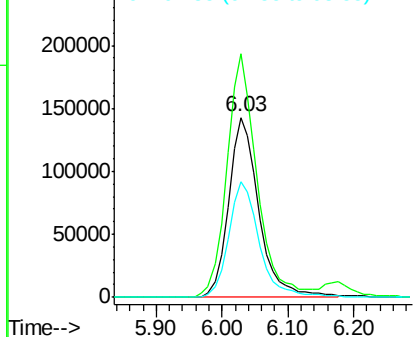
cis-1,2-Dichloroethene
Concen: 47.789 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 96 Resp: 458947
Ion Ratio Lower Upper
96 100
61 135.3 0.0 273.6
98 64.1 0.0 132.6



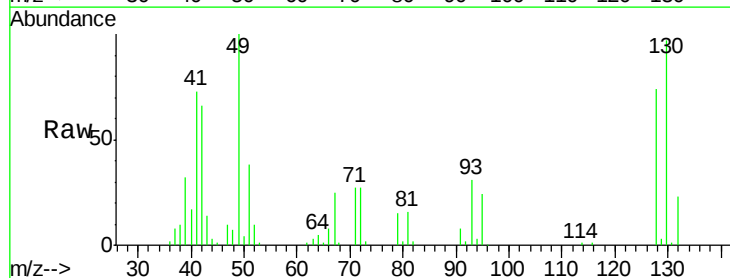
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



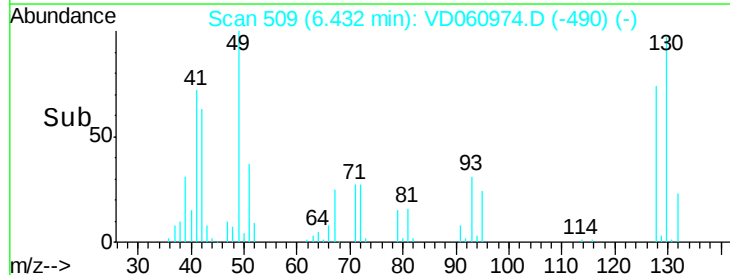
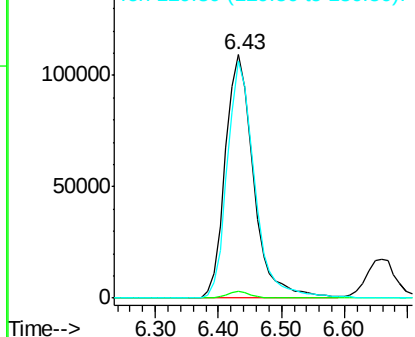
#28

Bromochloromethane
Concen: 52.936 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 49 Resp: 341051
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.0
130 97.4 73.8 110.8



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: 246.124 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

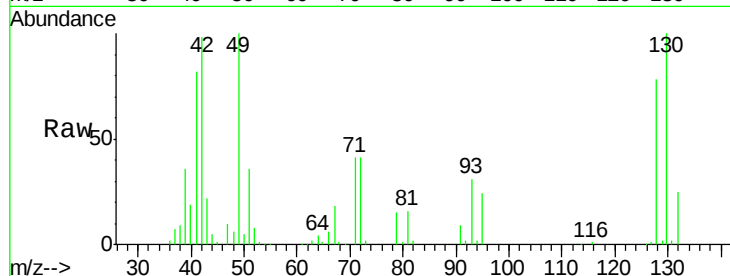
Tgt Ion: 42 Resp: 300728

Ion Ratio Lower Upper

42 100

72 43.2 34.5 51.7

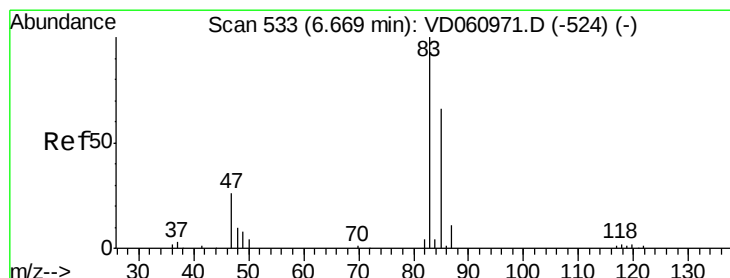
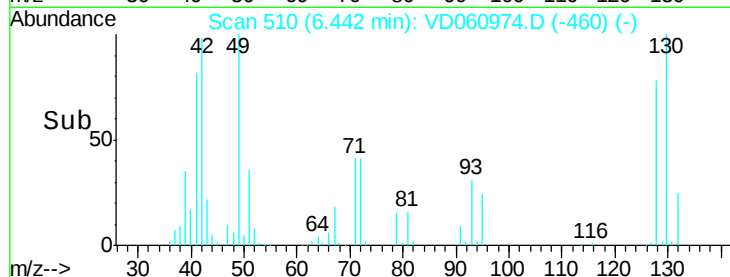
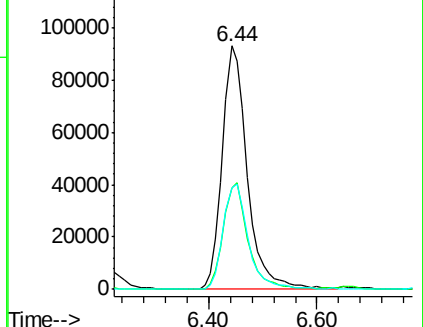
71 43.1 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 43.290 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060974.D

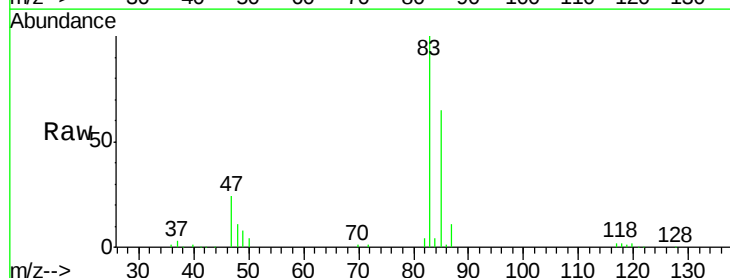
Acq: 7 Mar 2019 18:21

Tgt Ion: 83 Resp: 682813

Ion Ratio Lower Upper

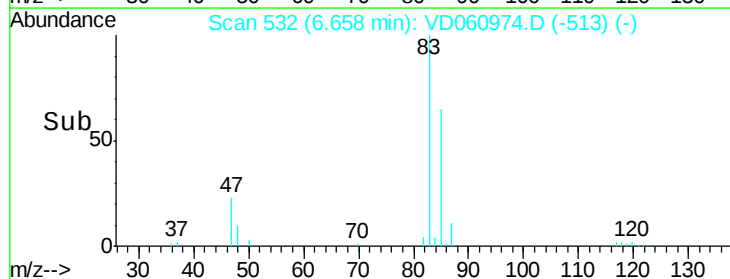
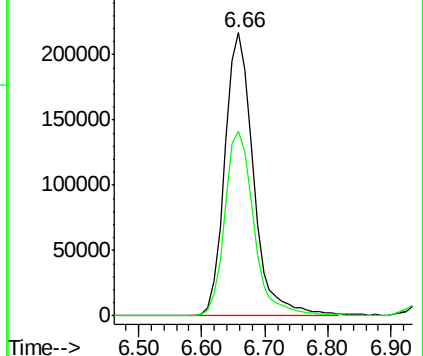
83 100

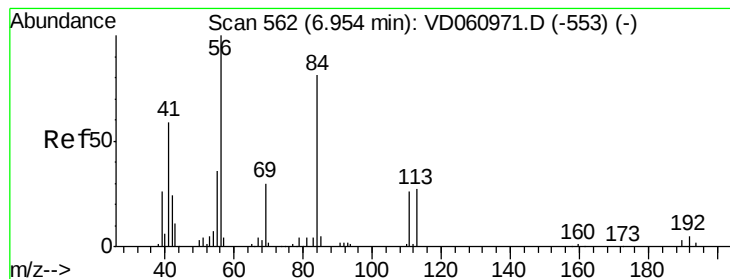
85 65.1 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.771 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

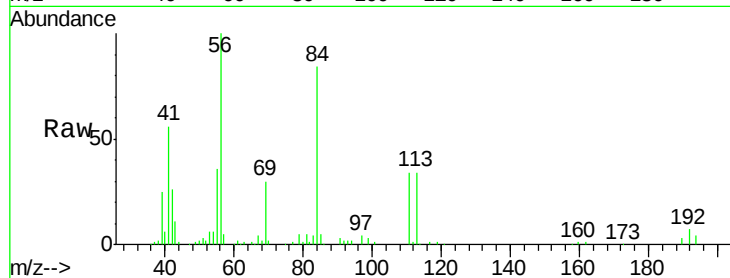
Tgt Ion: 56 Resp: 573935

Ion Ratio Lower Upper

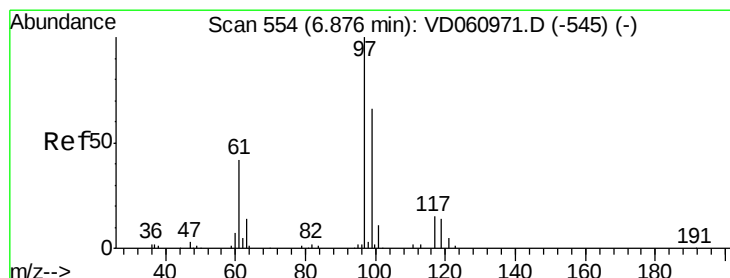
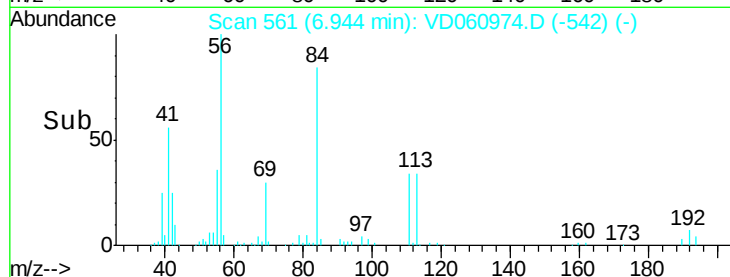
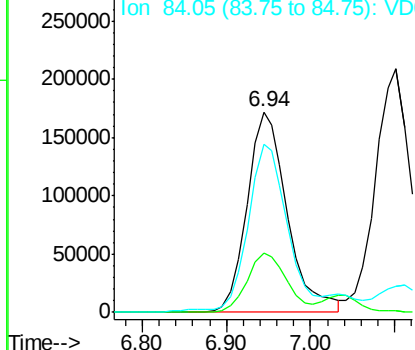
56 100

69 29.7 24.0 36.0

84 83.9 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 43.341 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

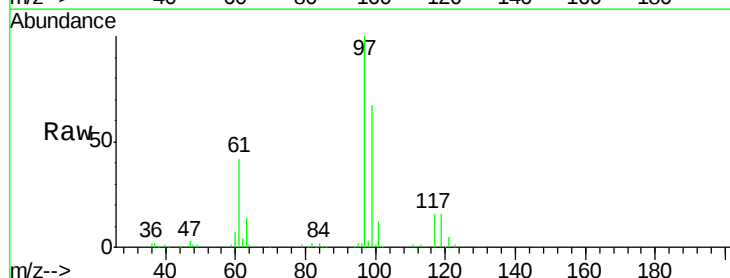
Tgt Ion: 97 Resp: 591016

Ion Ratio Lower Upper

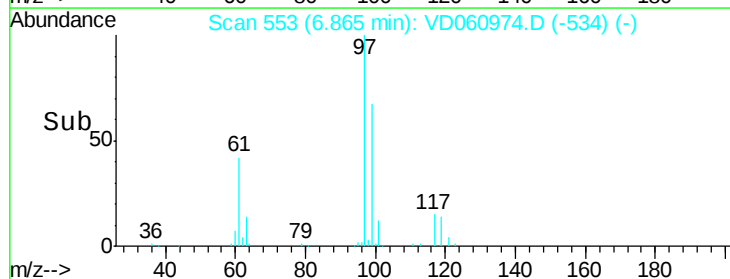
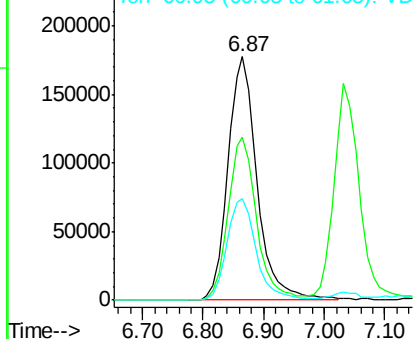
97 100

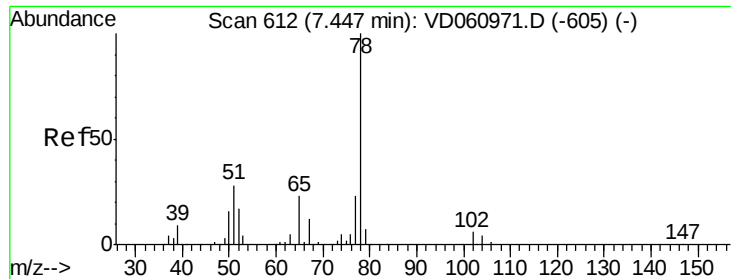
99 67.1 53.2 79.8

61 42.0 33.8 50.8



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

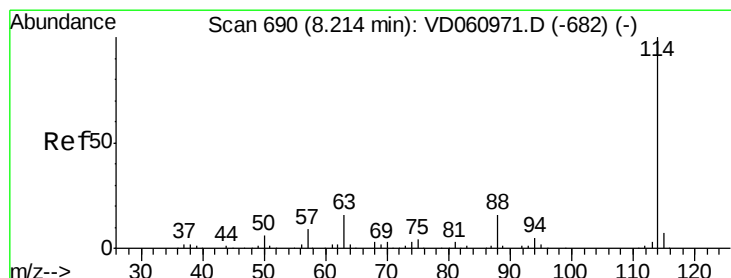
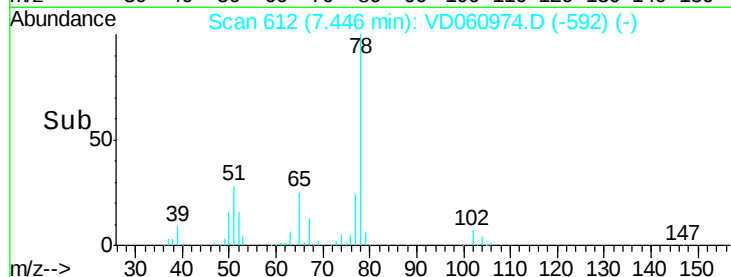
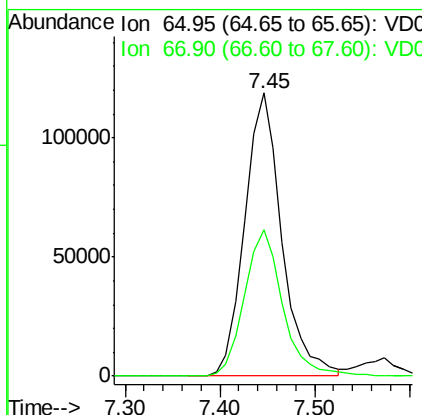
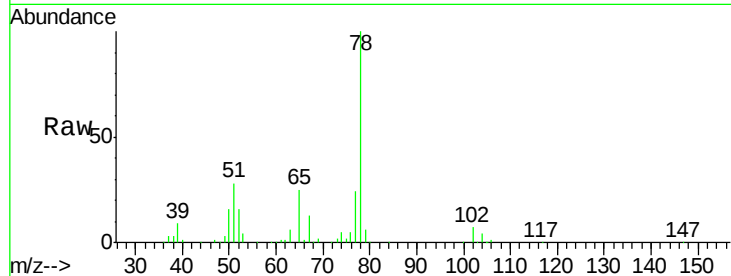




#33
 1,2-Dichloroethane-d4
 Concen: 43.341 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

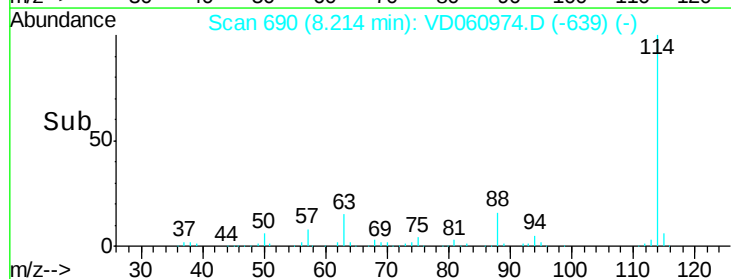
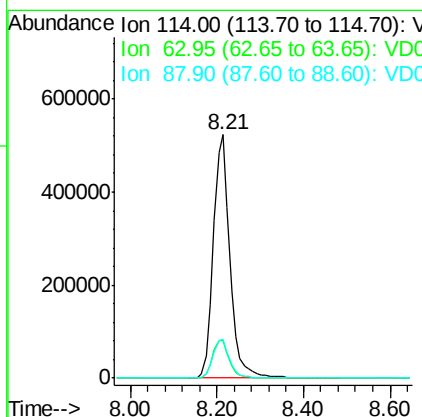
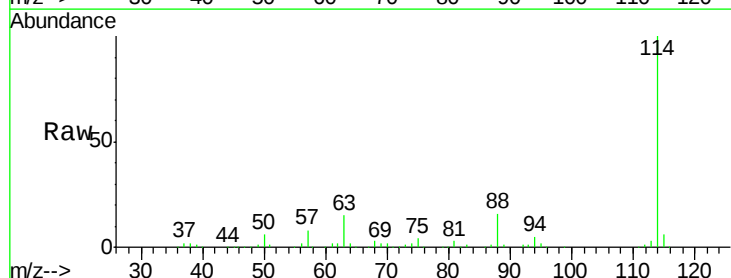
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

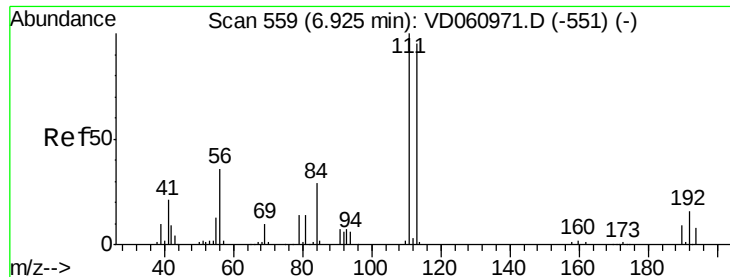
Tgt Ion: 65 Resp: 323062
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 114 Resp: 1391989
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 15.9 0.0 33.0

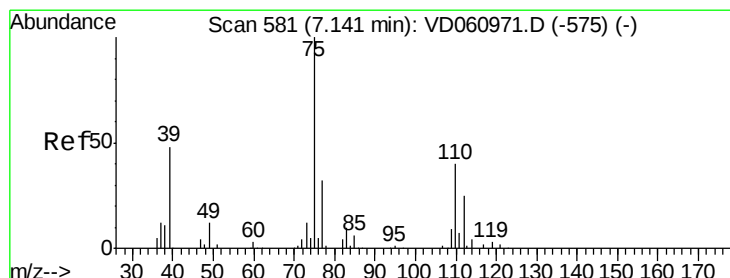
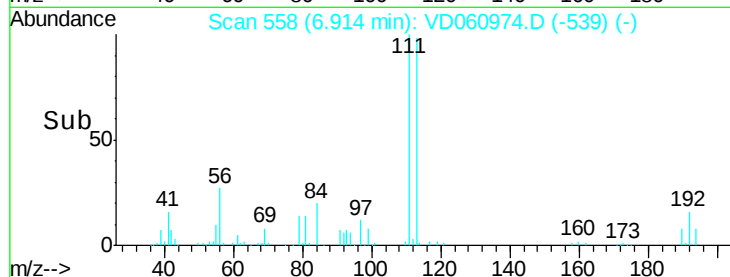
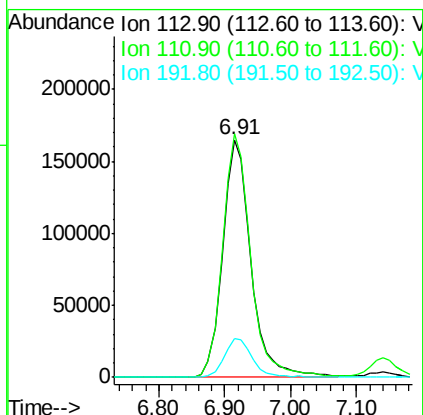
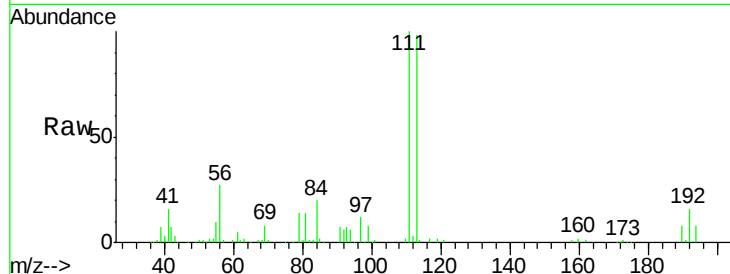




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

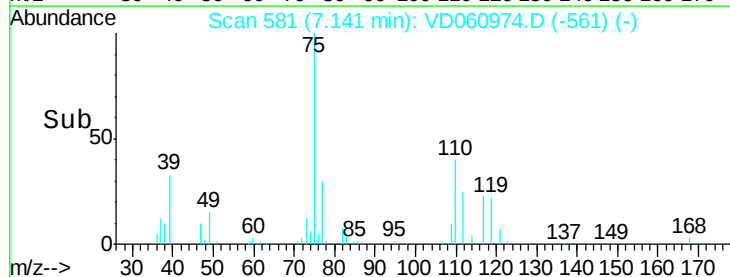
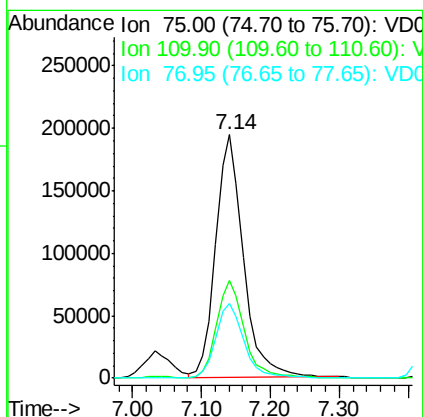
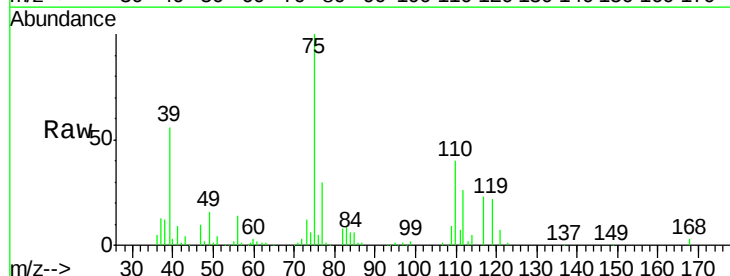
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

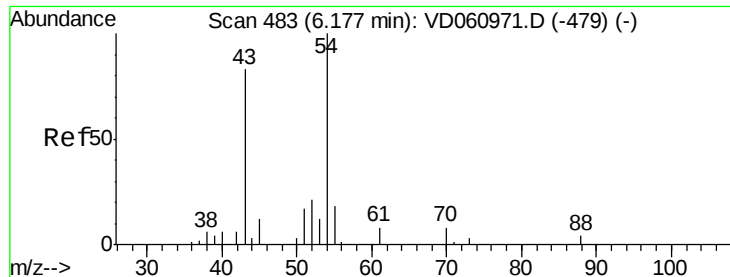
Tgt Ion:113 Resp: 495628
Ion Ratio Lower Upper
113 100
111 102.4 84.2 126.4
192 16.5 13.1 19.7



#36
1,1-Dichloropropene
Concen: 44.848 ug/l
RT: 7.14 min Scan# 581
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 75 Resp: 538119
Ion Ratio Lower Upper
75 100
110 40.3 19.7 59.1
77 30.5 24.7 37.1

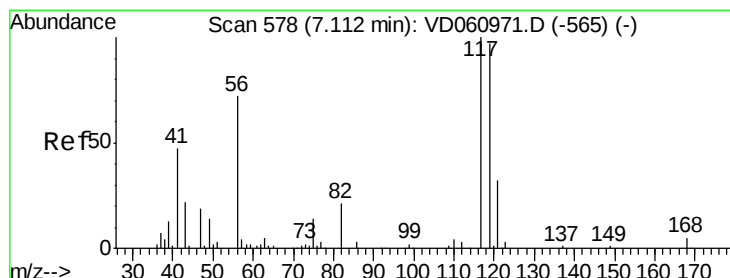
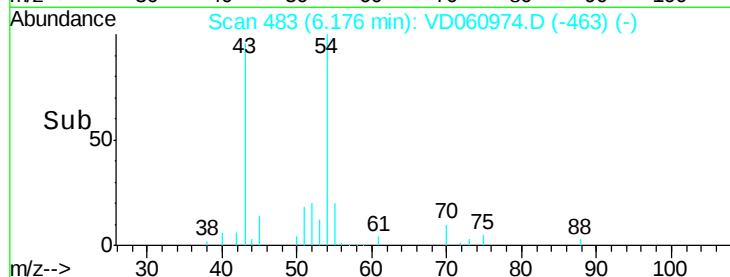
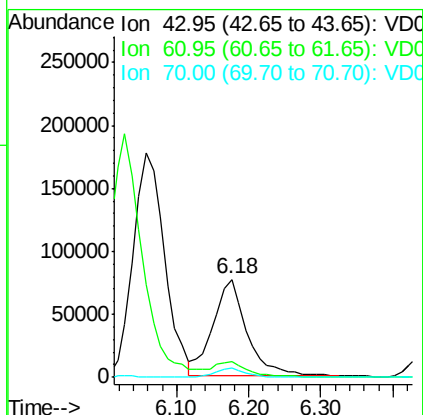
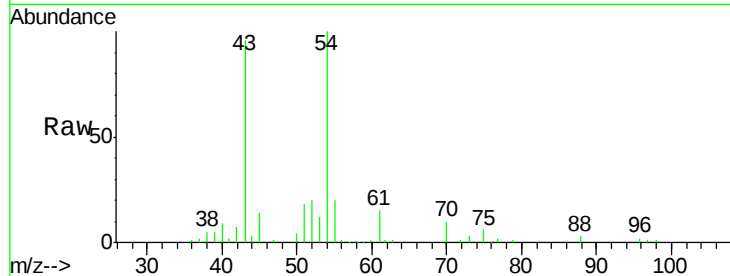




#37
Ethyl Acetate
Concen: 44.770 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

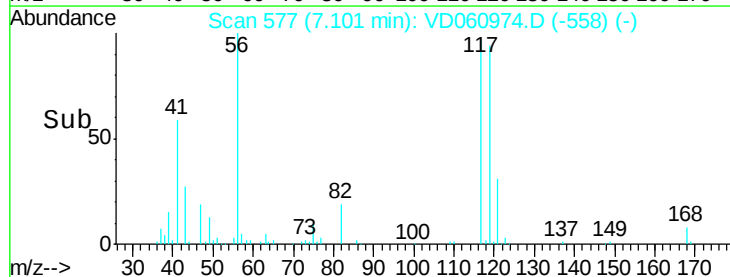
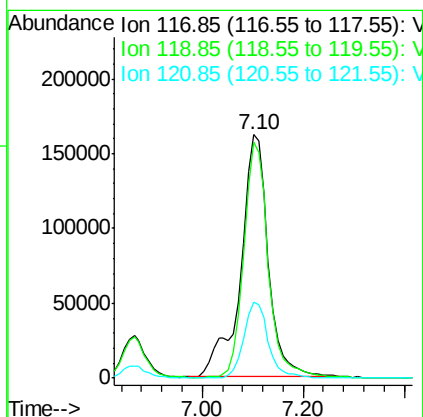
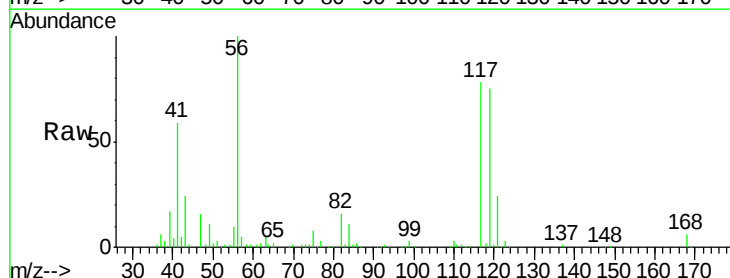
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 43 Resp: 252079
Ion Ratio Lower Upper
43 100
61 15.5 13.7 20.5
70 10.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.171 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 117 Resp: 623464
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8
121 31.3 25.3 37.9





#39

Methylcyclohexane

Concen: 43.774 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

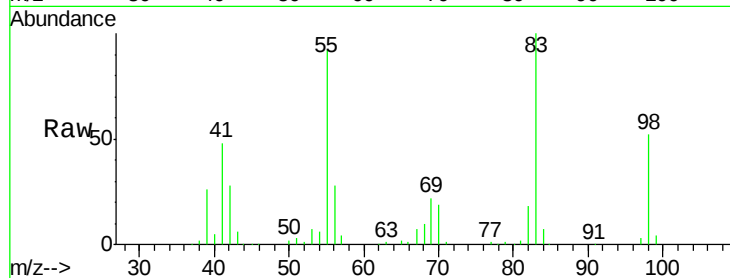
Tgt Ion: 83 Resp: 544620

Ion Ratio Lower Upper

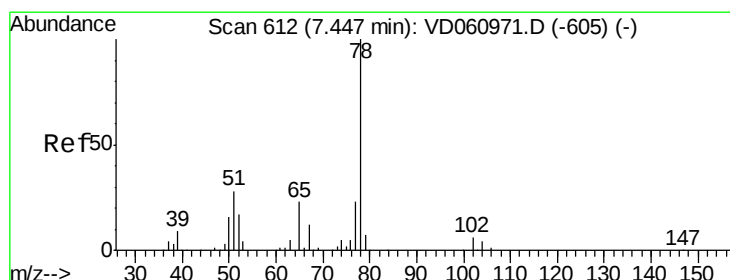
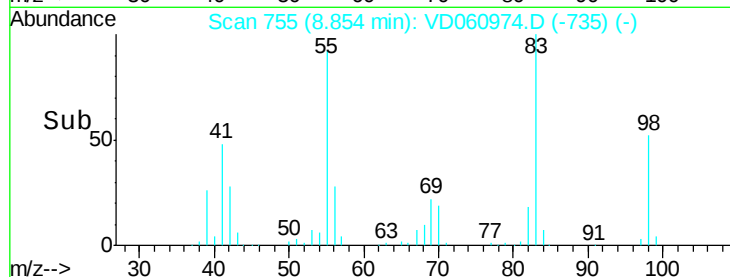
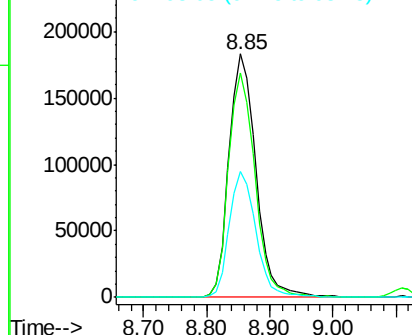
83 100

55 92.1 69.6 104.4

98 51.8 40.0 60.0



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



#40

Benzene

Concen: 48.012 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060974.D

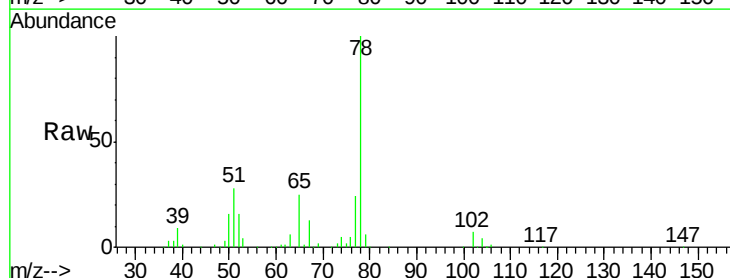
Acq: 7 Mar 2019 18:21

Tgt Ion: 78 Resp: 1439504

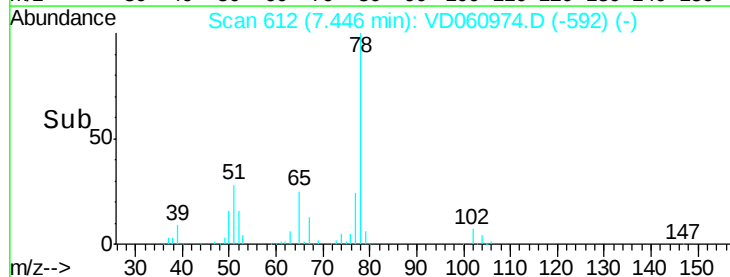
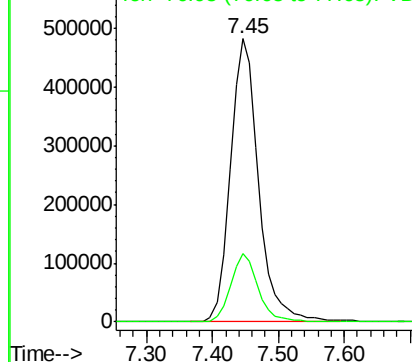
Ion Ratio Lower Upper

78 100

77 24.2 18.8 28.2



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





#41

Methacrylonitrile

Concen: 48.601 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

Tgt Ion: 41 Resp: 314759

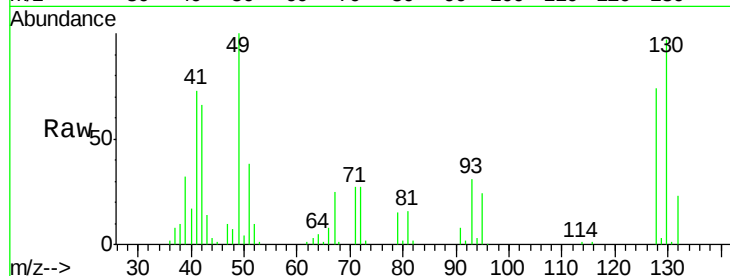
Ion Ratio Lower Upper

41 100

39 44.1 35.7 53.5

67 34.2 23.0 34.6

52 13.4 9.2 13.8

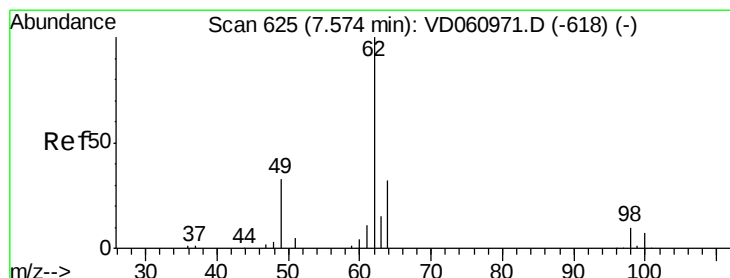
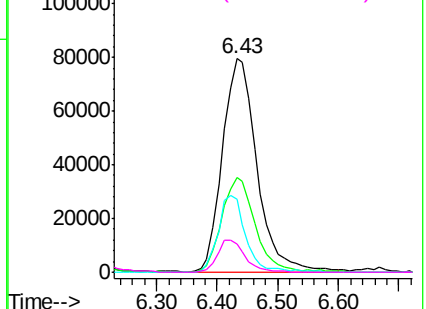
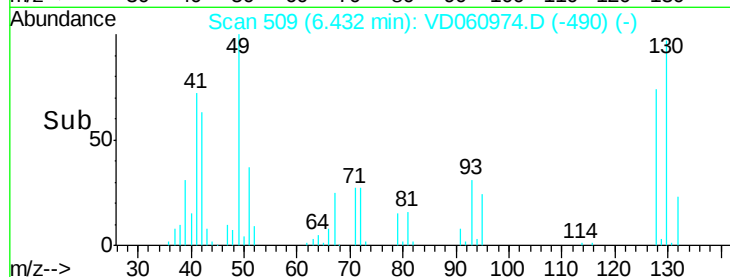


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 45.556 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD060974.D

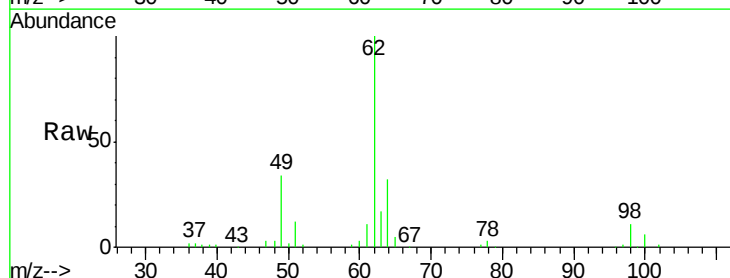
Acq: 7 Mar 2019 18:21

Tgt Ion: 62 Resp: 396366

Ion Ratio Lower Upper

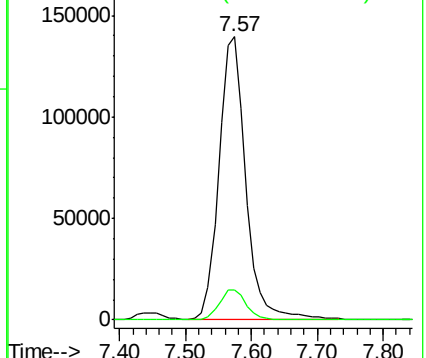
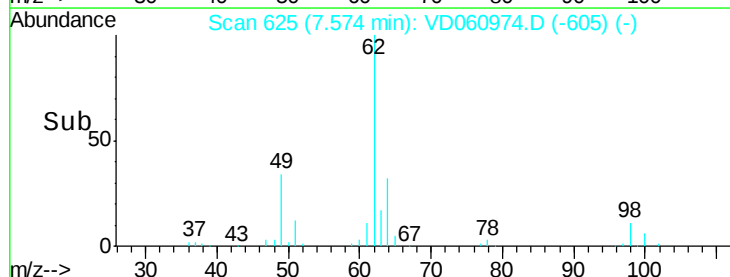
62 100

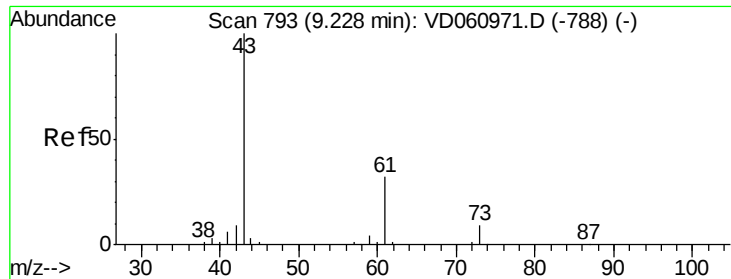
98 10.7 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.813 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

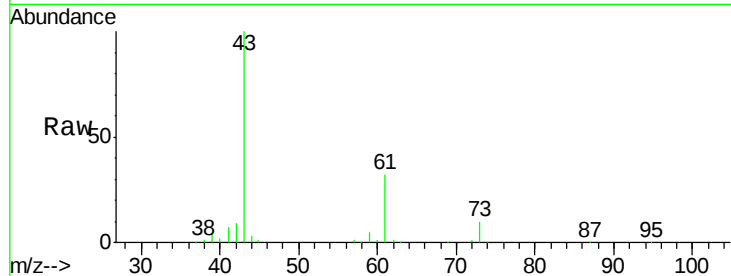
Tgt Ion: 43 Resp: 372873

Ion Ratio Lower Upper

43 100

61 32.5 25.6 38.4

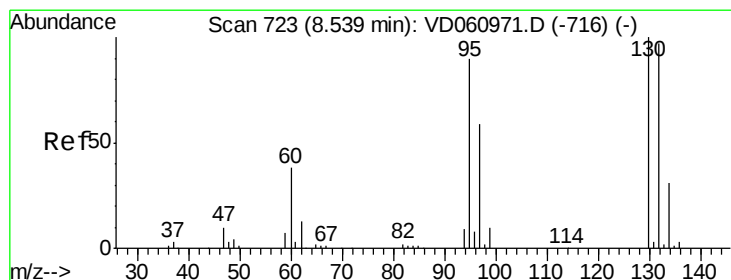
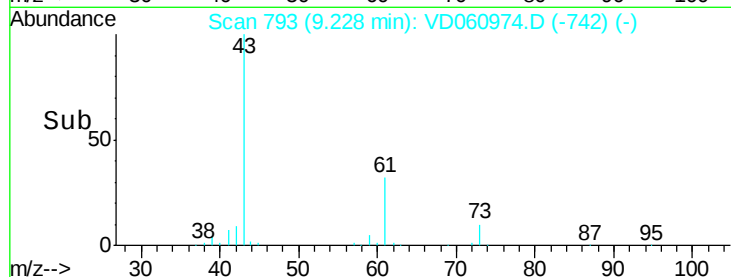
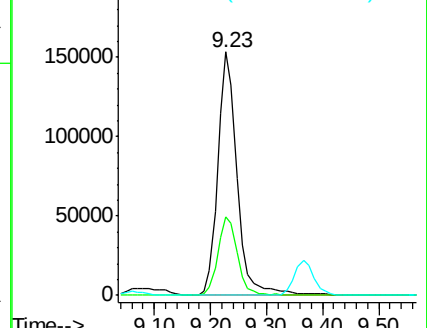
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.499 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD060974.D

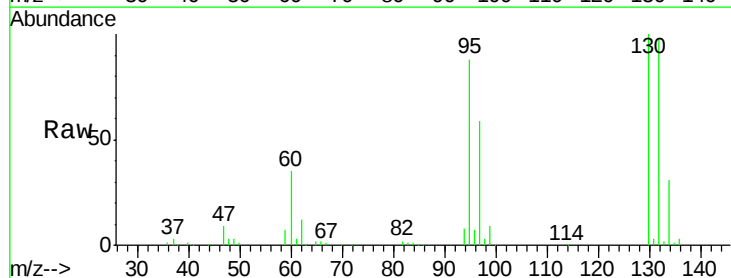
Acq: 7 Mar 2019 18:21

Tgt Ion:130 Resp: 511997

Ion Ratio Lower Upper

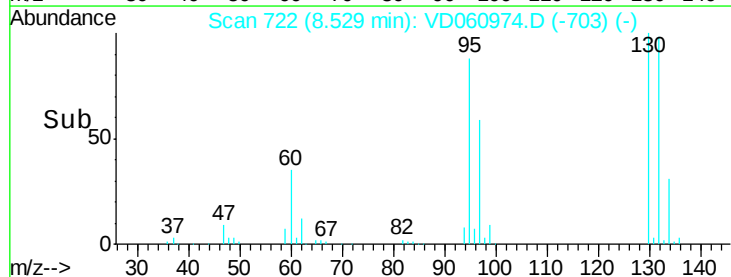
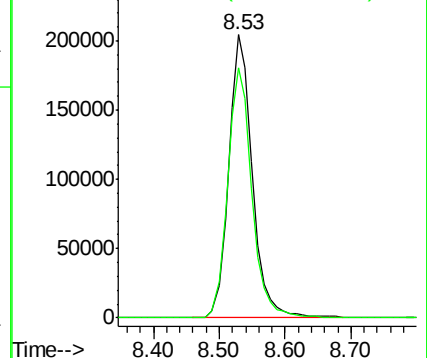
130 100

95 88.4 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.065 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

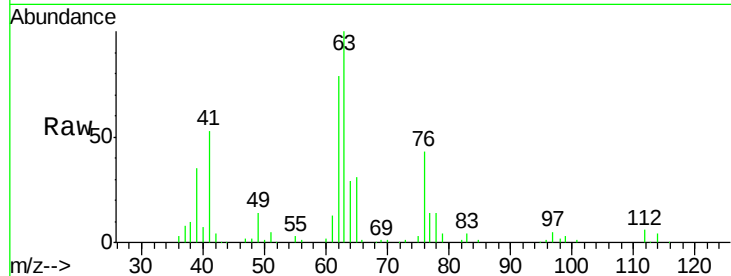
ICVVD030719

Tgt Ion: 63 Resp: 362851

Ion Ratio Lower Upper

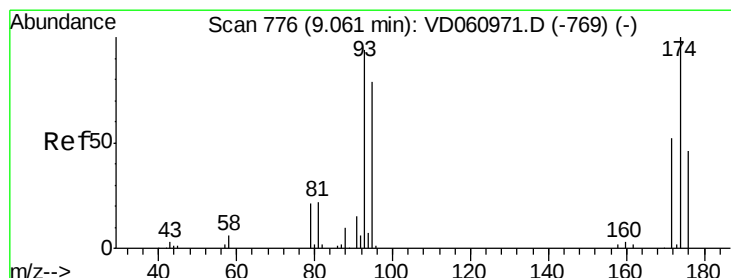
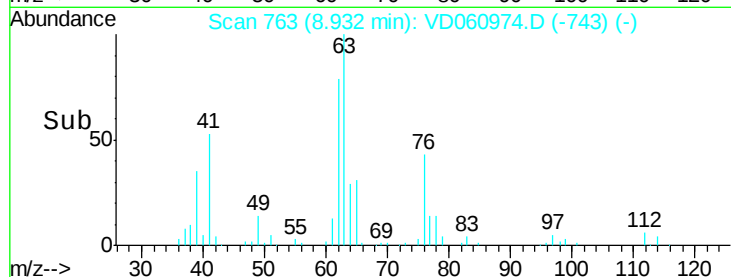
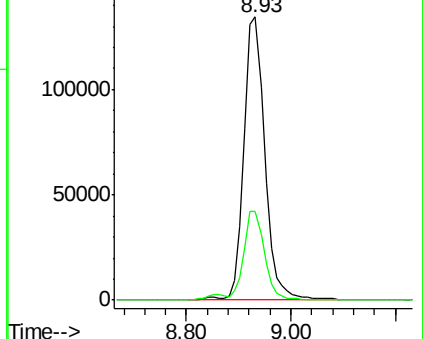
63 100

65 31.2 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 47.497 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

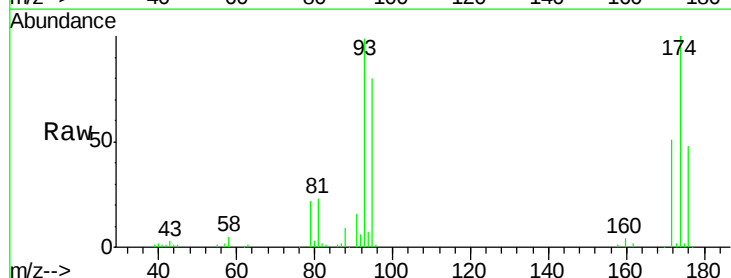
Tgt Ion: 93 Resp: 237321

Ion Ratio Lower Upper

93 100

95 80.7 67.4 101.0

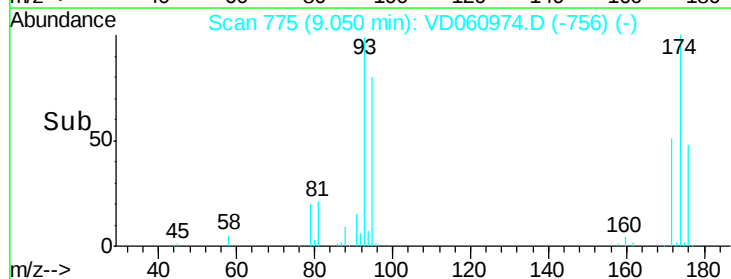
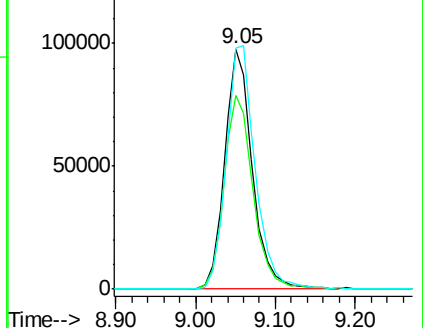
174 100.7 85.4 128.0

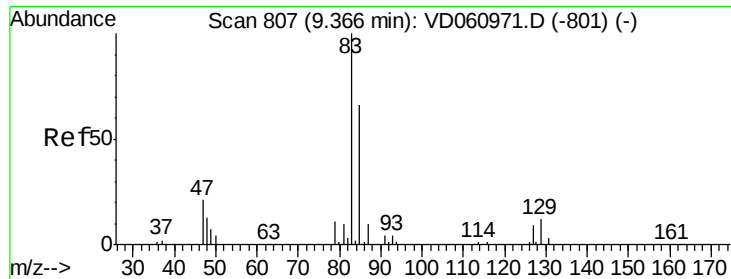


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 46.028 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

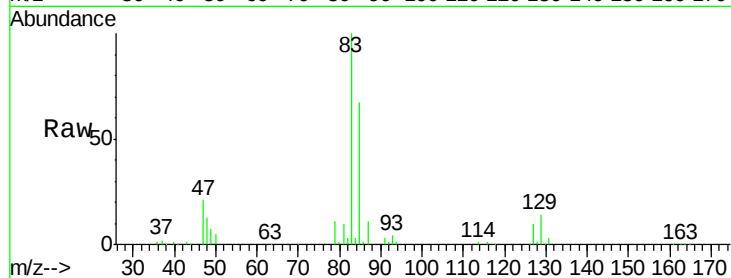
Tgt Ion: 83 Resp: 518970

Ion Ratio Lower Upper

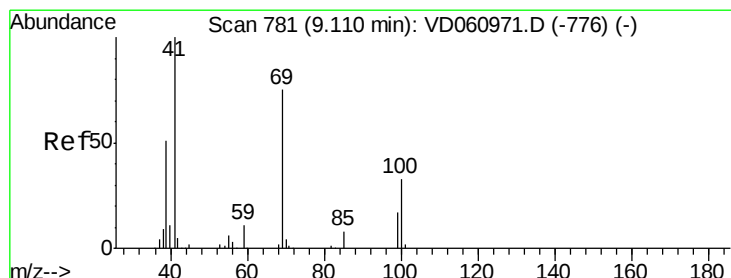
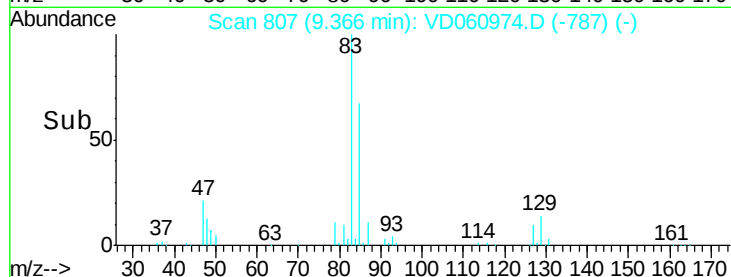
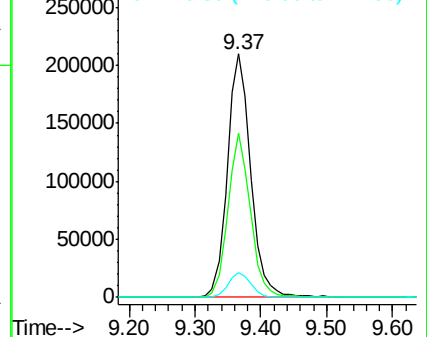
83 100

85 67.4 52.5 78.7

127 10.1 7.5 11.3



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



#48

Methyl methacrylate

Concen: 50.561 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

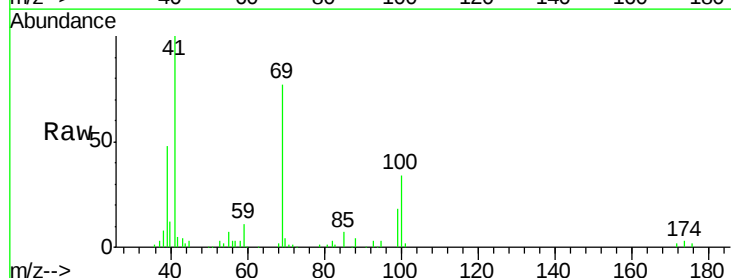
Tgt Ion: 41 Resp: 222007

Ion Ratio Lower Upper

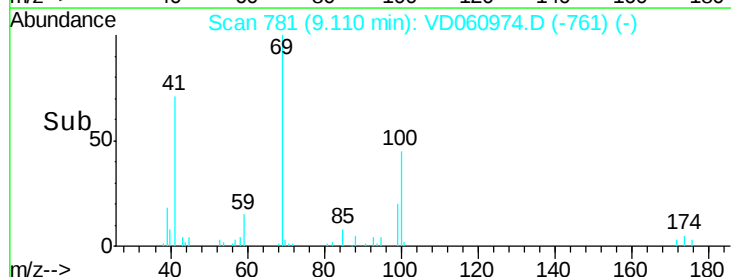
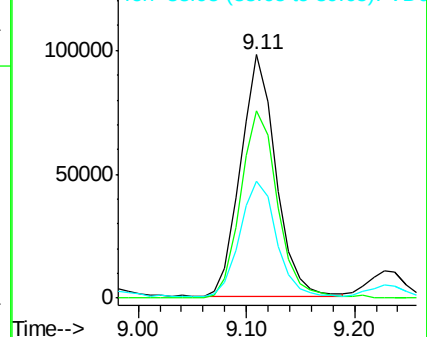
41 100

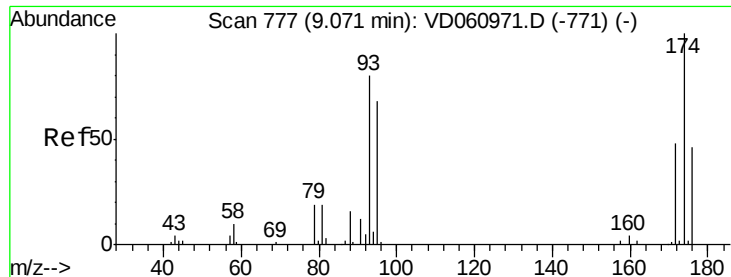
69 76.8 59.9 89.9

39 48.3 40.9 61.3



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: 1126.765 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

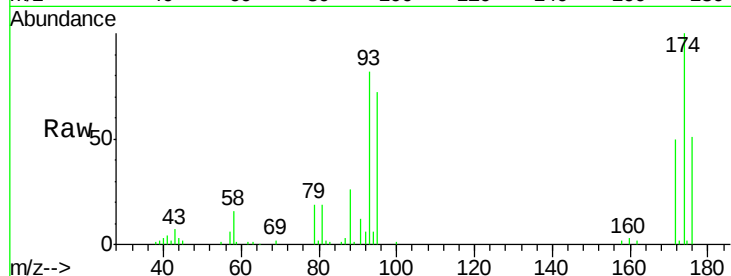
Tgt Ion: 88 Resp: 50028

Ion Ratio Lower Upper

88 100

43 26.7 21.0 31.6

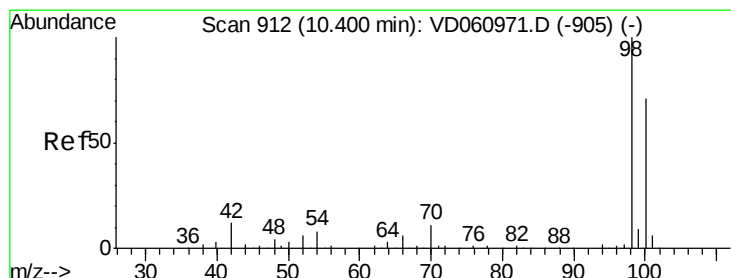
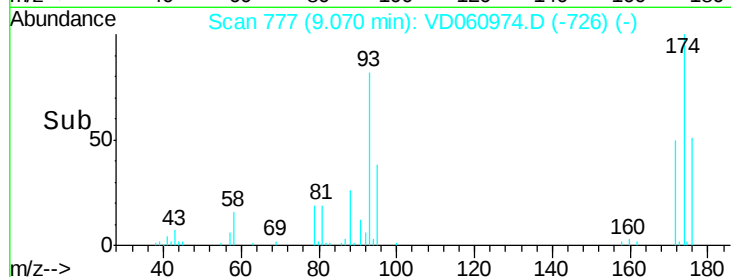
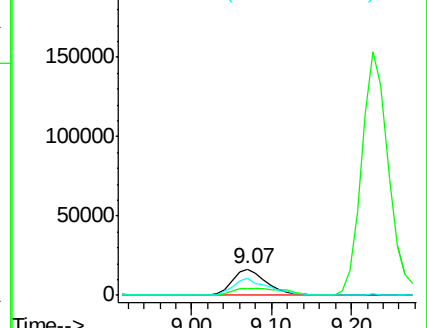
58 62.3 48.6 72.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1126.765 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD060974.D

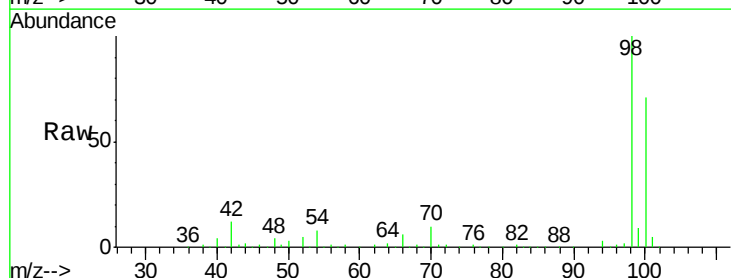
Acq: 7 Mar 2019 18:21

Tgt Ion: 98 Resp: 1257351

Ion Ratio Lower Upper

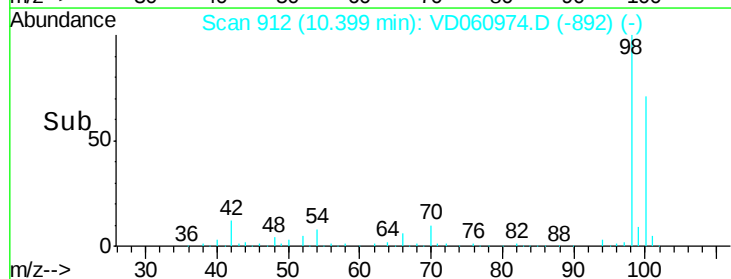
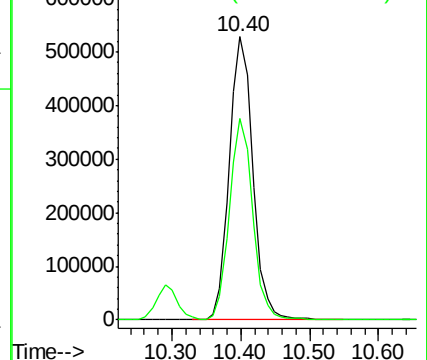
98 100

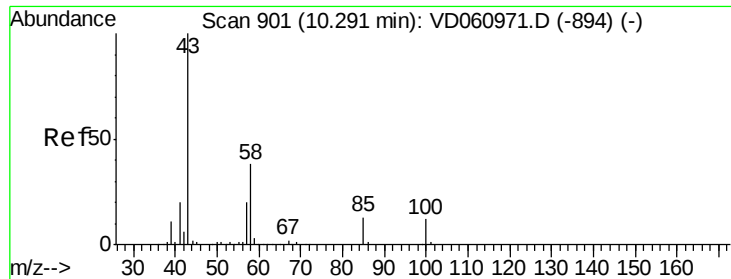
100 71.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

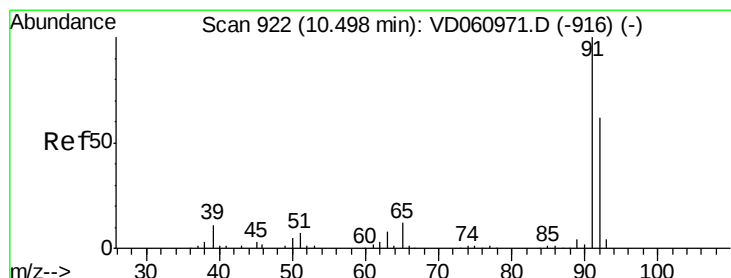
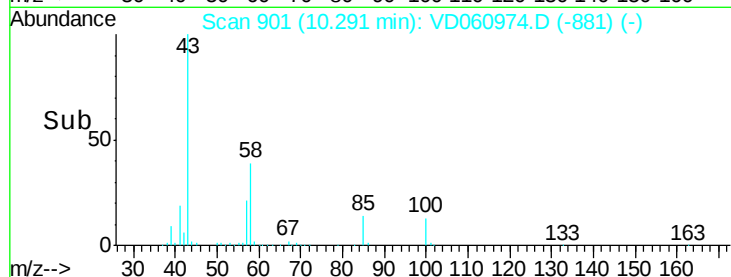
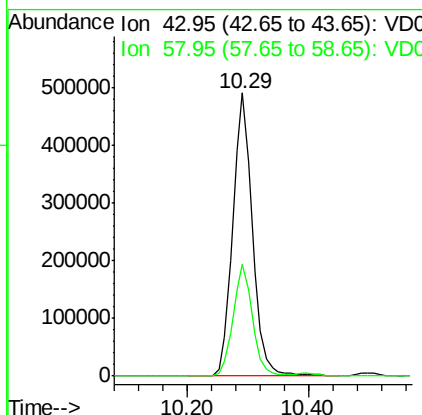
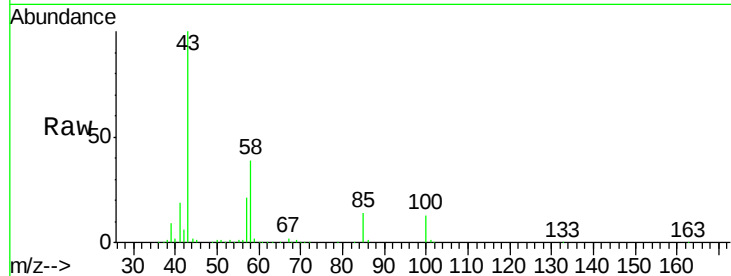




#51
 4-Methyl-2-Pentanone
 Concen: 232.718 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

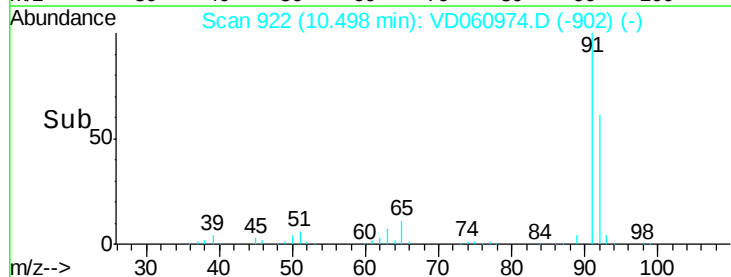
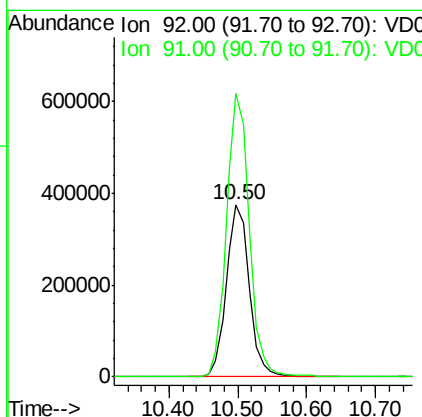
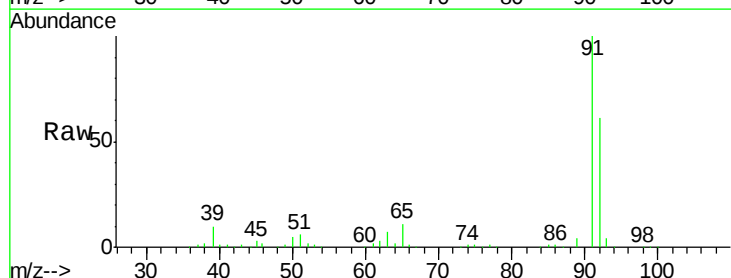
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion: 43 Resp: 1111835
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.2 45.2



#52
 Toluene
 Concen: 46.488 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 92 Resp: 866712
 Ion Ratio Lower Upper
 92 100
 91 164.4 129.8 194.8

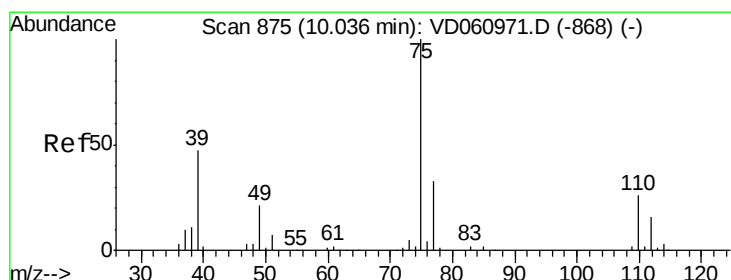
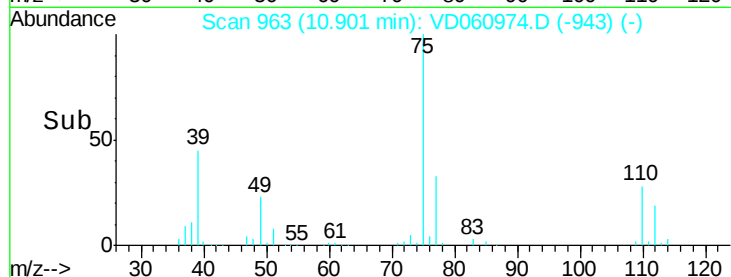
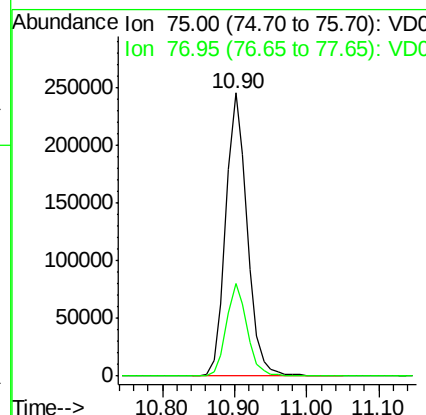
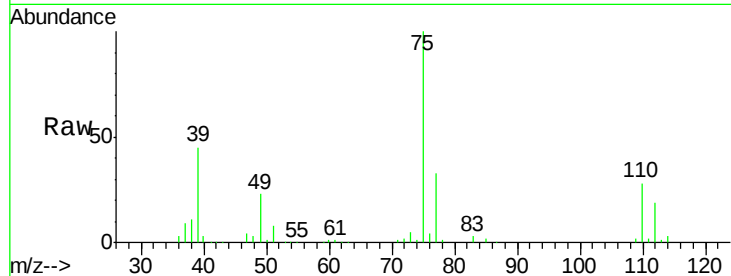




#53
 t-1,3-Dichloropropene
 Concen: 48.680 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

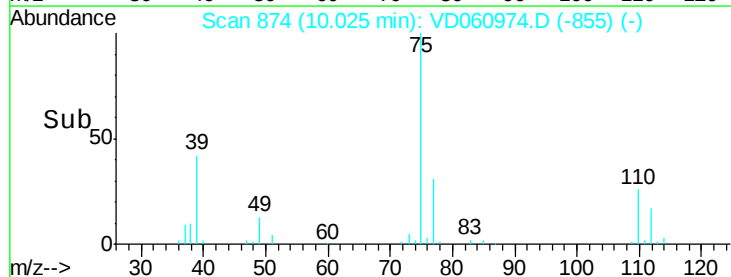
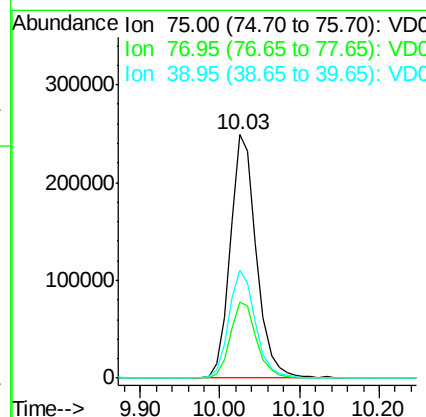
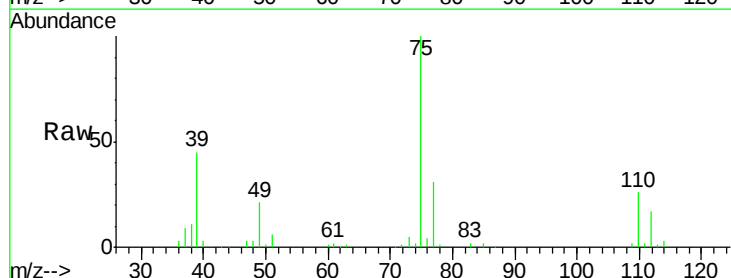
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion: 75 Resp: 501888
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 46.268 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 75 Resp: 573148
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.4
 39 44.5 37.8 56.8

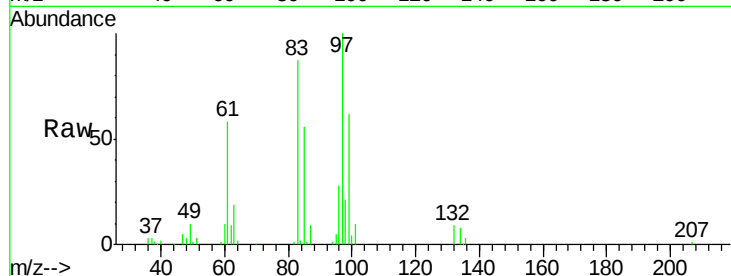




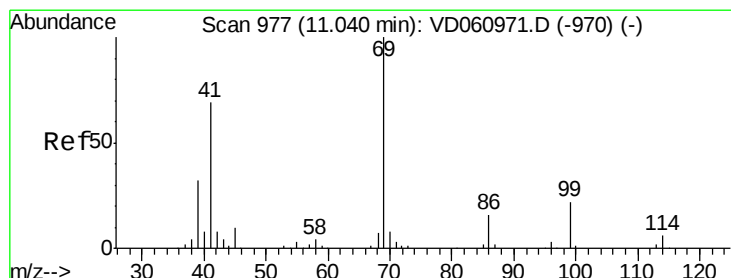
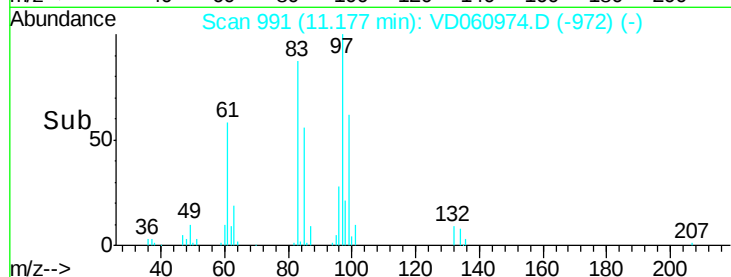
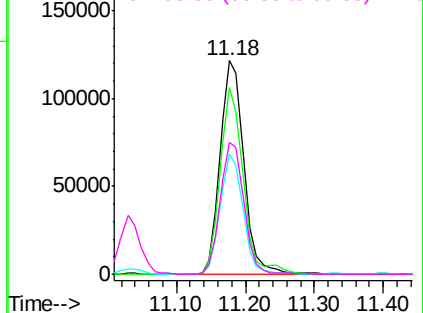
#55
 1,1,2-Trichloroethane
 Concen: 46.745 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion:	97	Resp:	290230
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.5	46.4	69.6
99	61.7	52.4	78.6

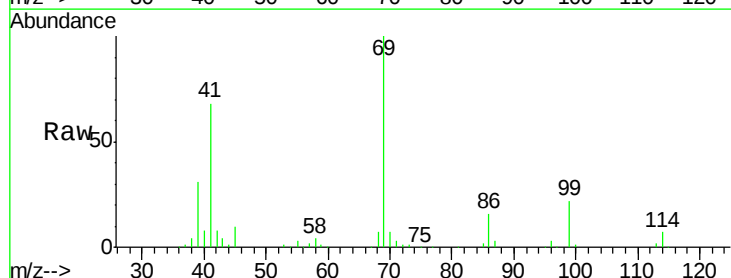


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

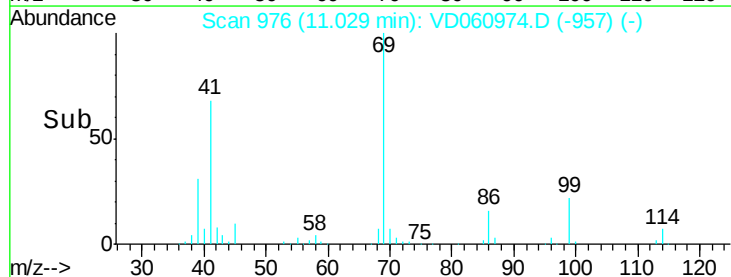
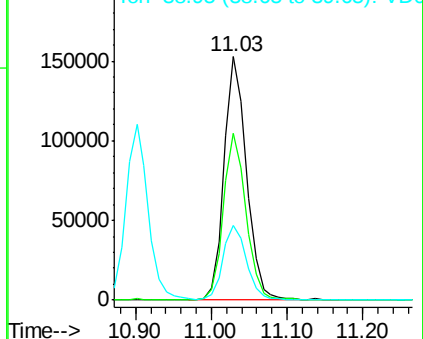


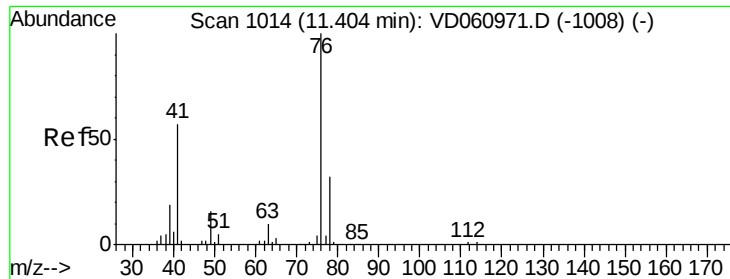
#56
 Ethyl methacrylate
 Concen: 48.385 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:	69	Resp:	314448
Ion	Ratio	Lower	Upper
69	100		
41	68.3	55.5	83.3
39	30.8	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

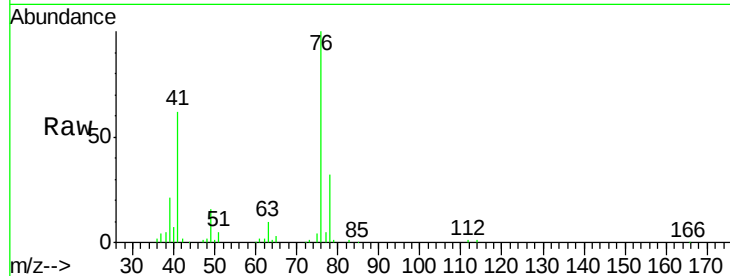




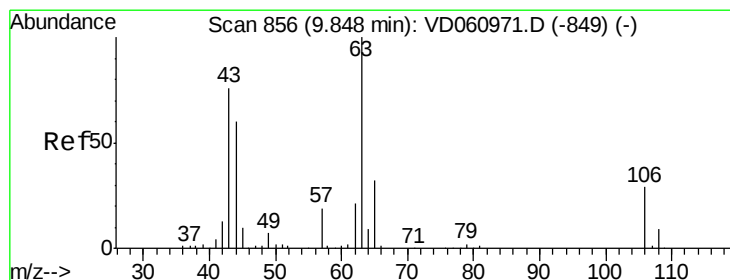
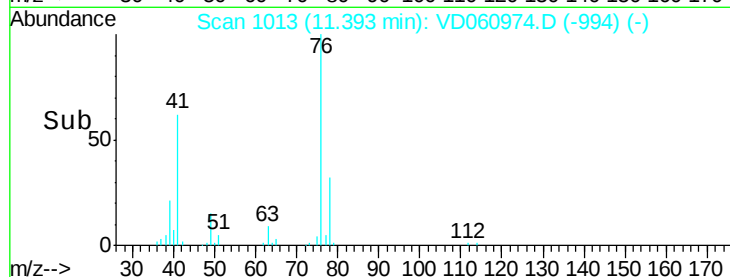
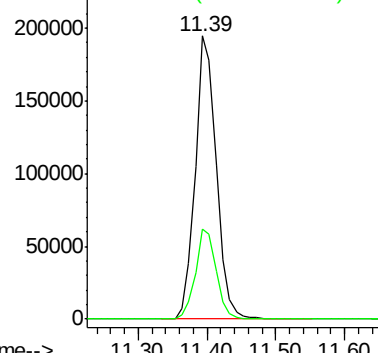
#57
 1,3-Dichloropropane
 Concen: 44.336 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion: 76 Resp: 411364
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

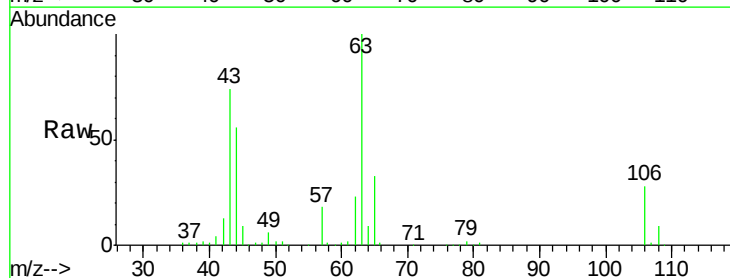


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

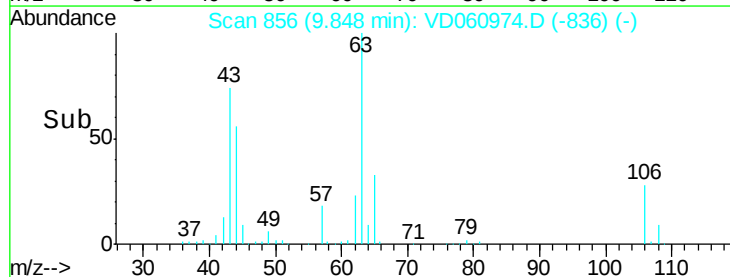
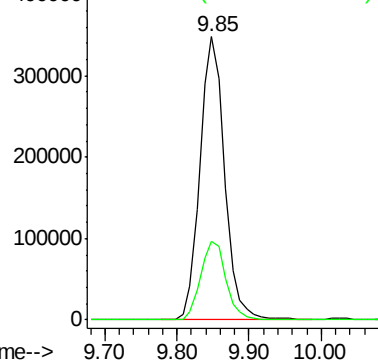


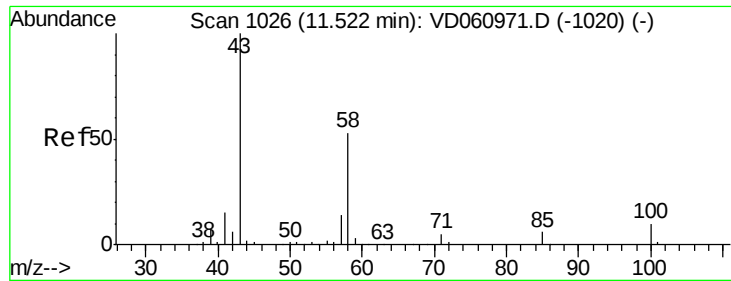
#58
 2-Chloroethyl Vinyl ether
 Concen: 240.656 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 63 Resp: 827851
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

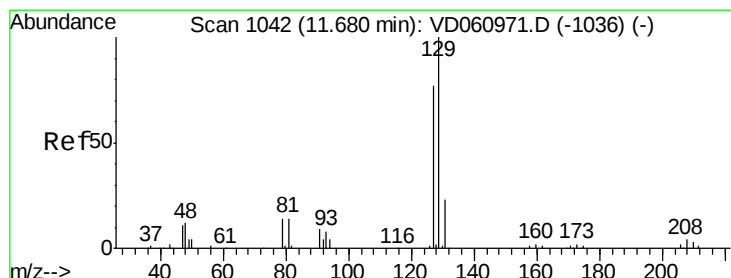
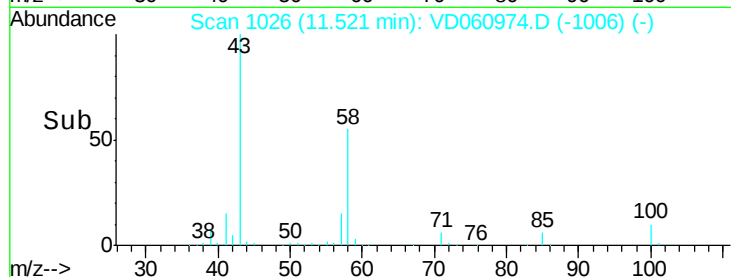
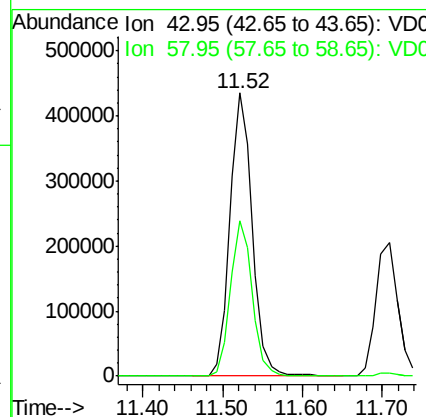
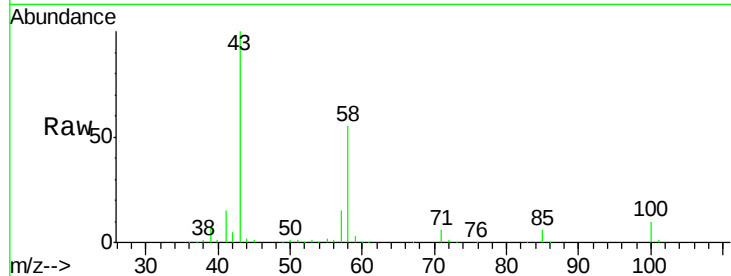




#59
2-Hexanone
Concen: 246.411 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

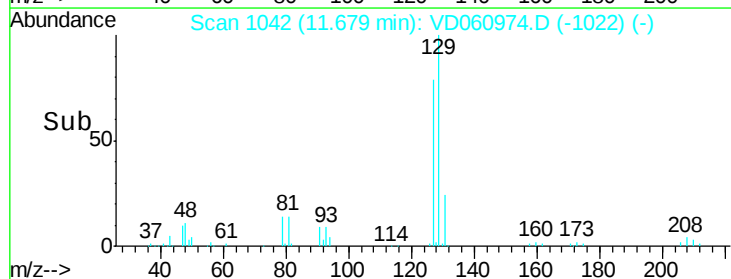
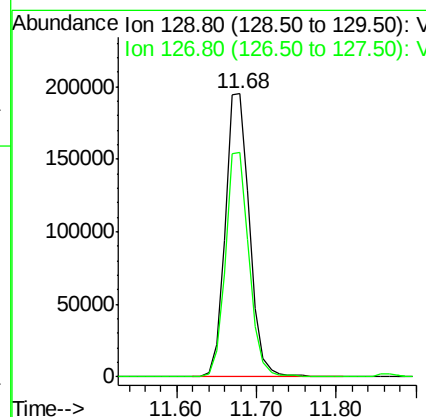
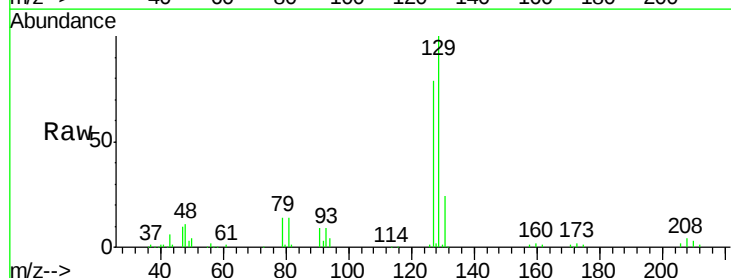
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

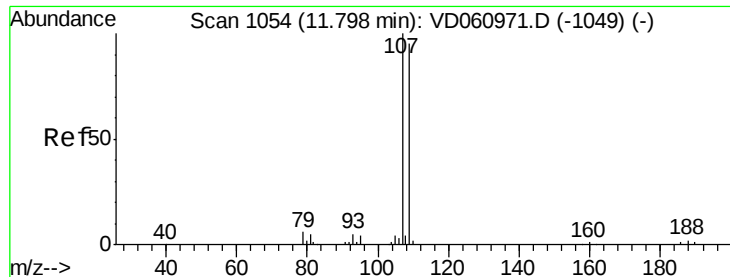
Tgt Ion: 43 Resp: 861157
Ion Ratio Lower Upper
43 100
58 55.1 26.5 79.5



#60
Dibromochloromethane
Concen: 45.796 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 129 Resp: 418462
Ion Ratio Lower Upper
129 100
127 79.4 38.3 114.9

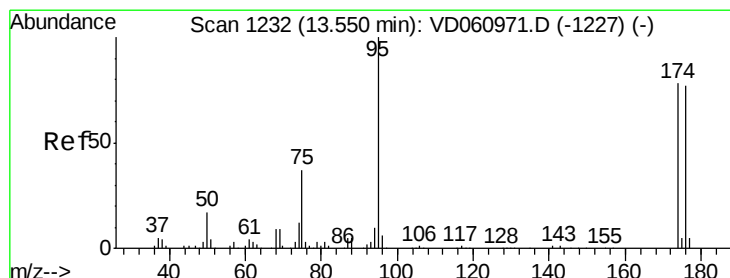
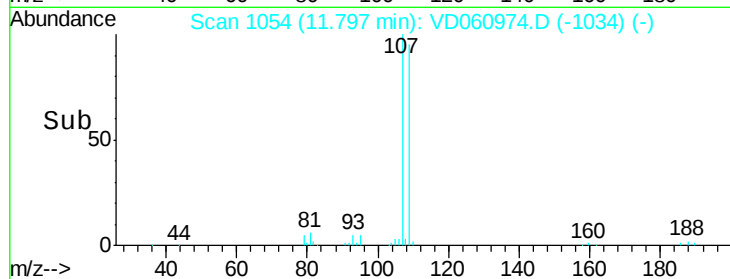
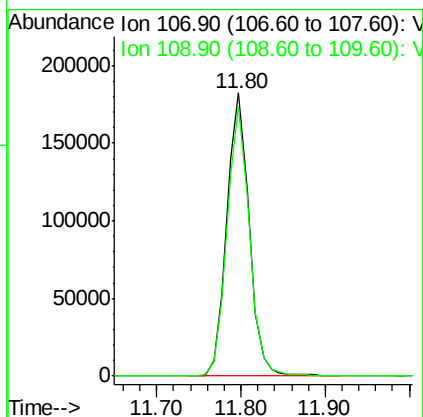
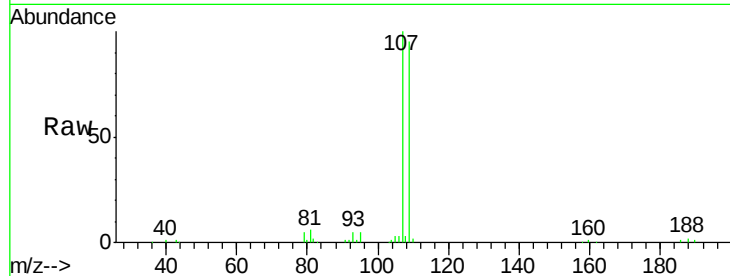




#61
 1,2-Dibromoethane
 Concen: 46.592 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

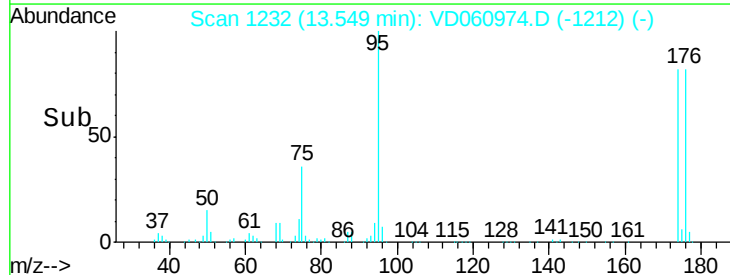
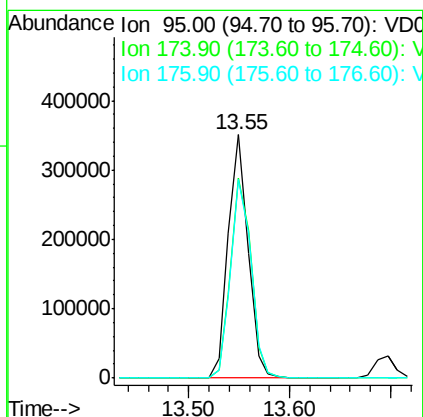
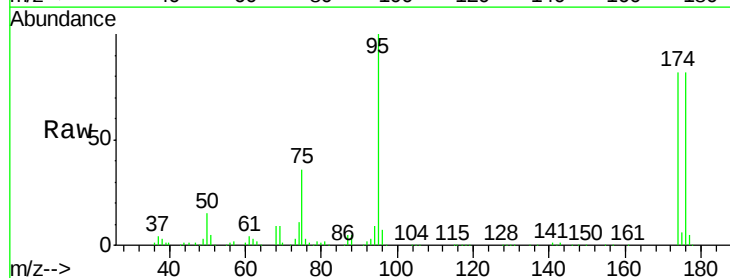
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

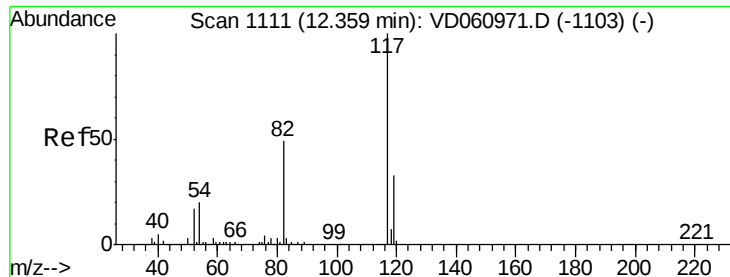
Tgt Ion: 107 Resp: 336513
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 46.592 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 95 Resp: 480955
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 155.6
 176 81.8 0.0 153.8

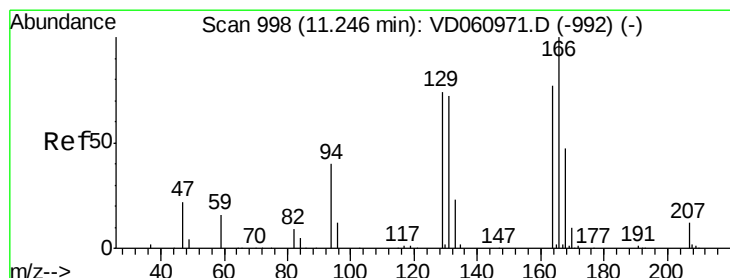
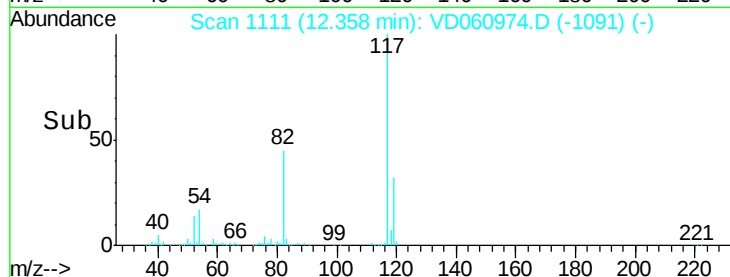
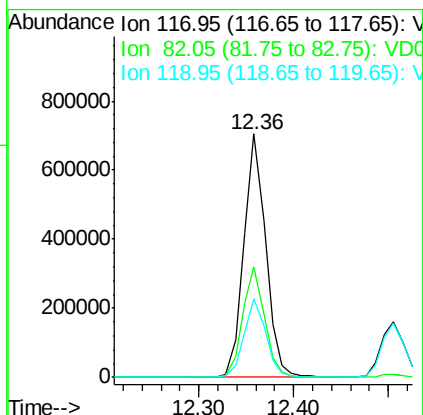
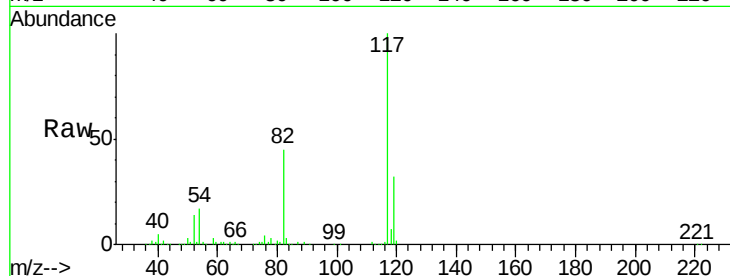




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

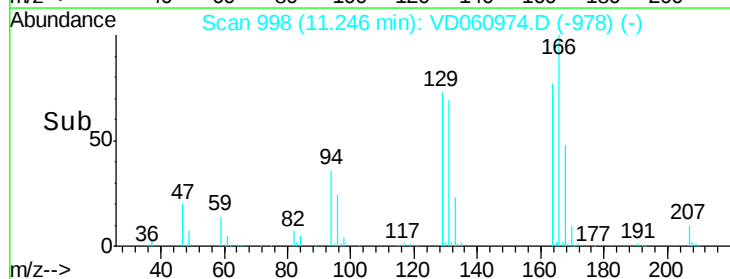
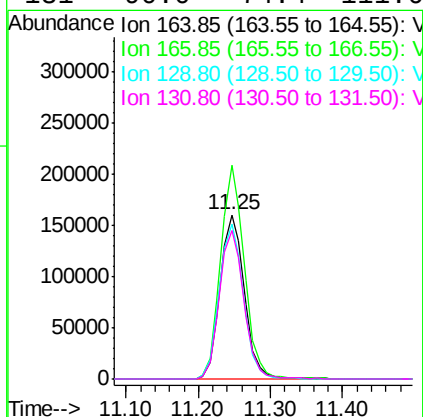
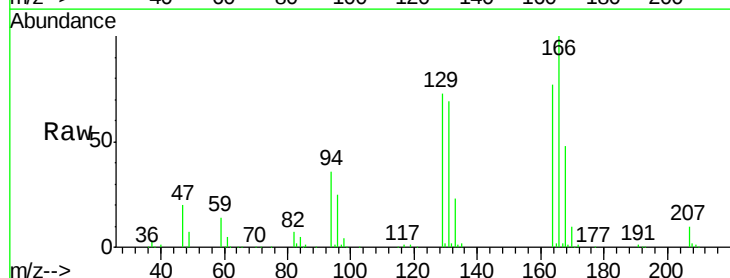
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

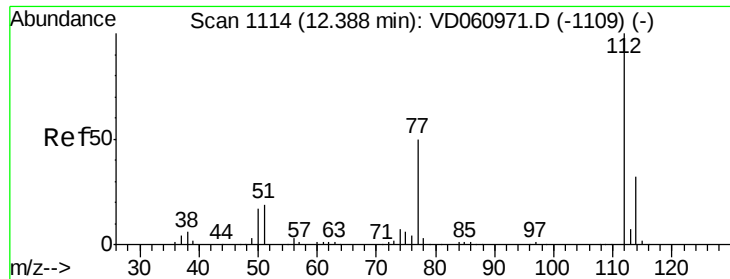
Tgt Ion:117 Resp: 1130172
Ion Ratio Lower Upper
117 100
82 45.3 38.9 58.3
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 49.009 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:164 Resp: 373898
Ion Ratio Lower Upper
164 100
166 129.9 103.4 155.0
129 94.4 76.9 115.3
131 90.0 74.4 111.6

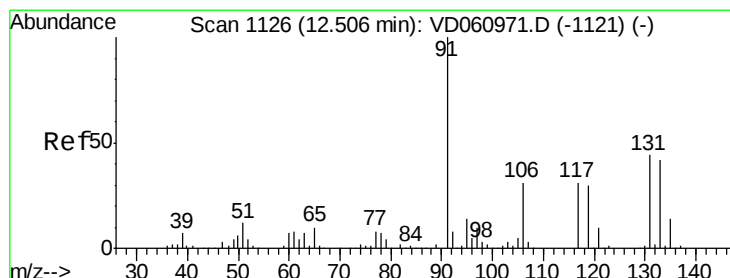
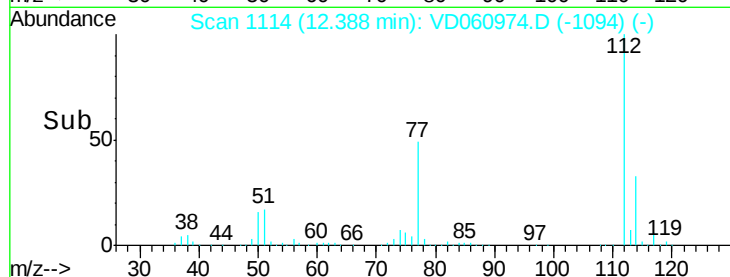
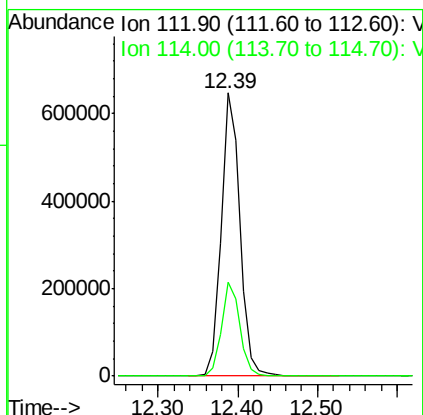
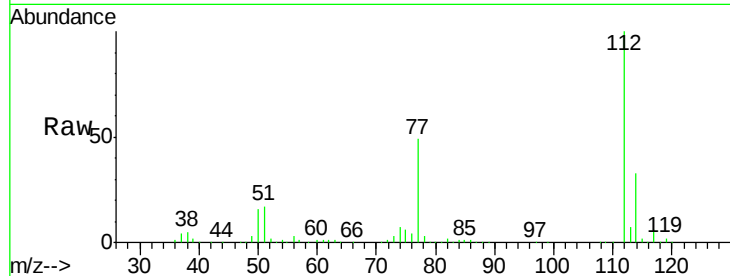




#65
Chlorobenzene
Concen: 48.412 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

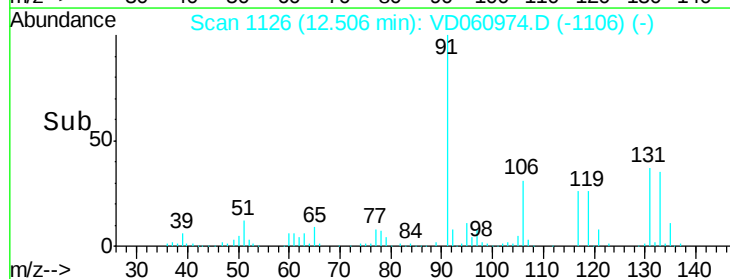
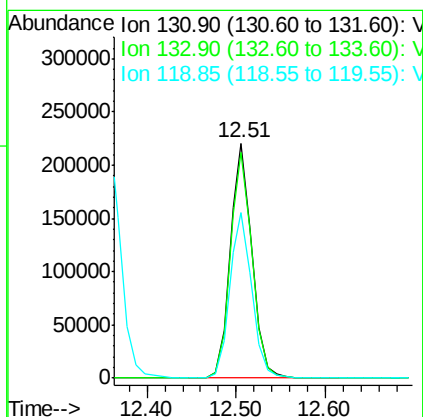
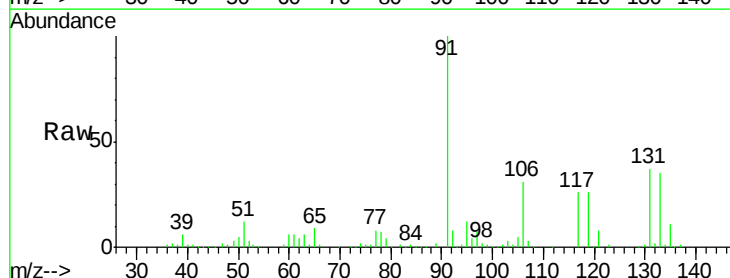
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

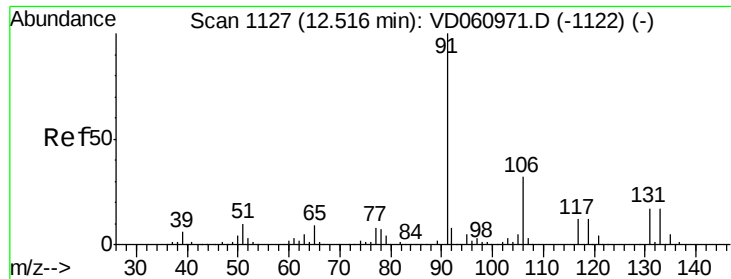
Tgt Ion:112 Resp: 1072616
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.816 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:131 Resp: 377633
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 70.3 34.3 102.9

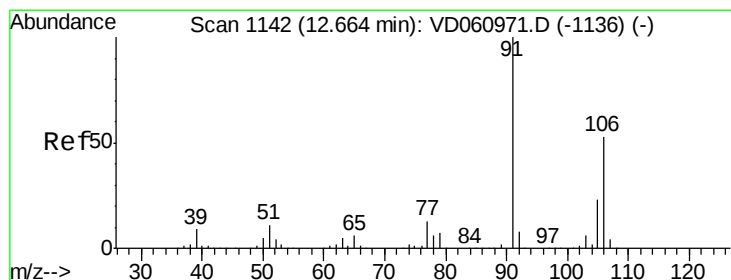
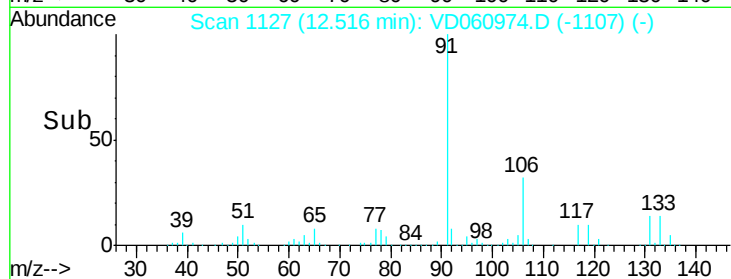
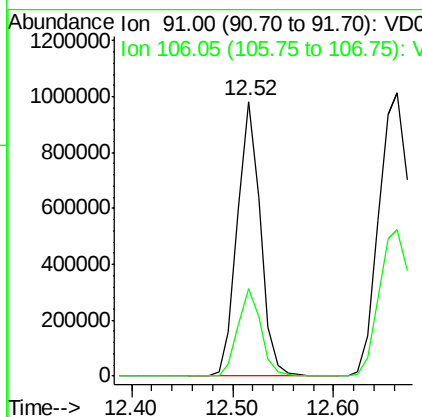
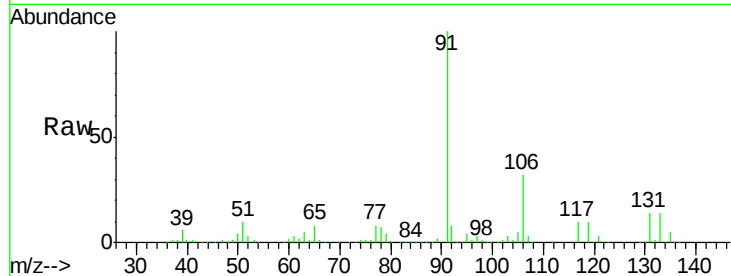




#67
Ethyl Benzene
Concen: 47.207 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

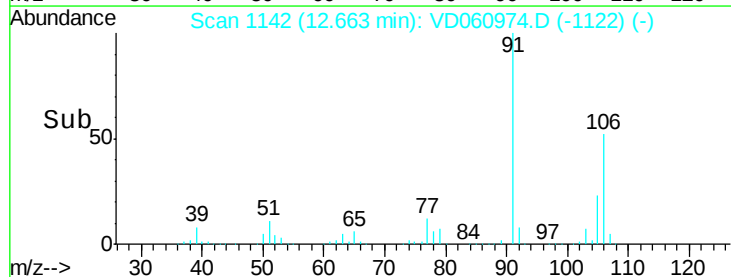
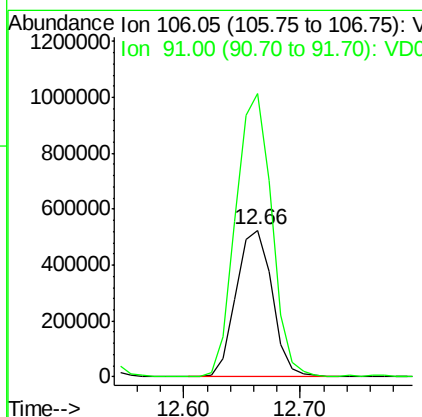
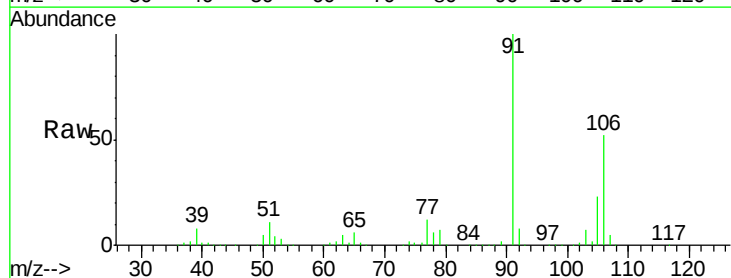
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

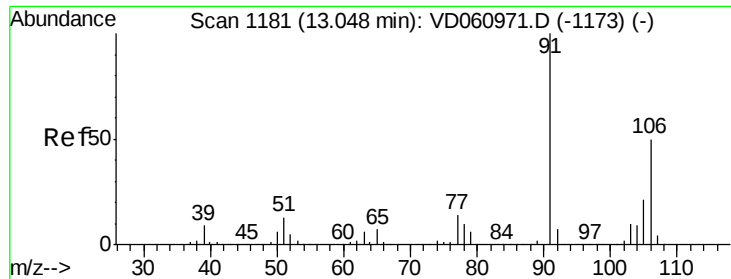
Tgt Ion: 91 Resp: 1557137
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



#68
m/p-Xylenes
Concen: 87.002 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 106 Resp: 1126367
Ion Ratio Lower Upper
106 100
91 192.8 152.0 228.0

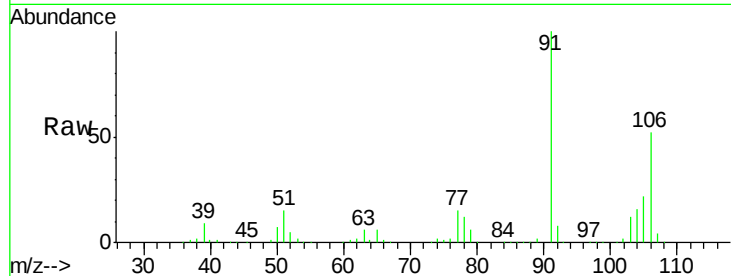




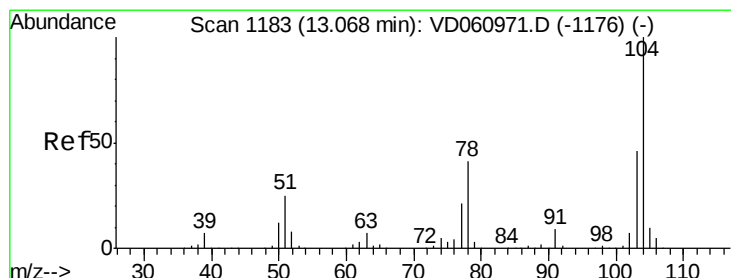
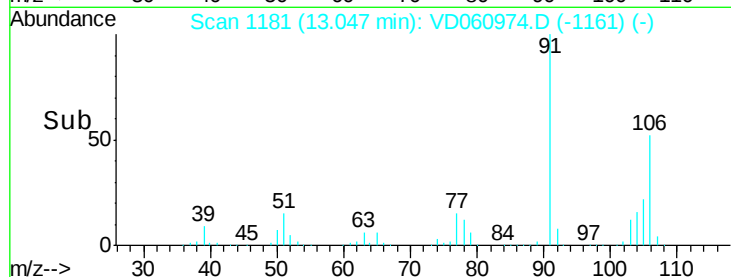
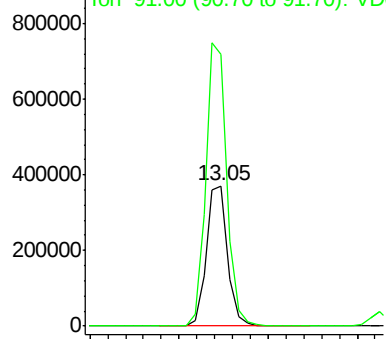
#69
o-Xylene
Concen: 48.325 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion:106 Resp: 614980
Ion Ratio Lower Upper
106 100
91 193.8 99.8 299.3

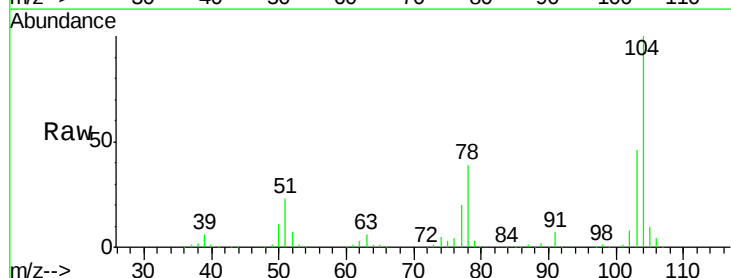


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

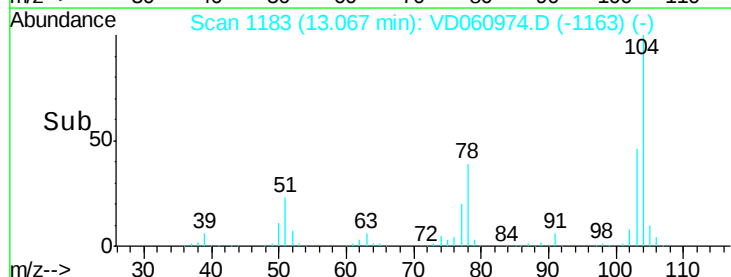
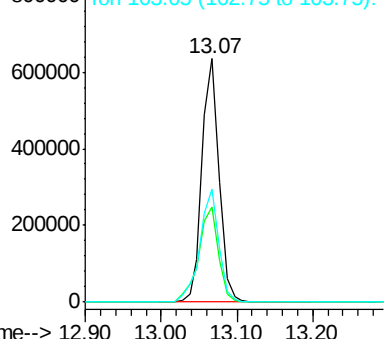


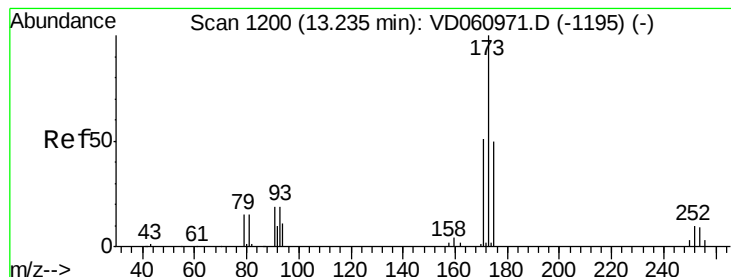
#70
Styrene
Concen: 47.271 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:104 Resp: 982296
Ion Ratio Lower Upper
104 100
78 39.3 33.0 49.4
103 46.2 37.1 55.7



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: 46.608 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

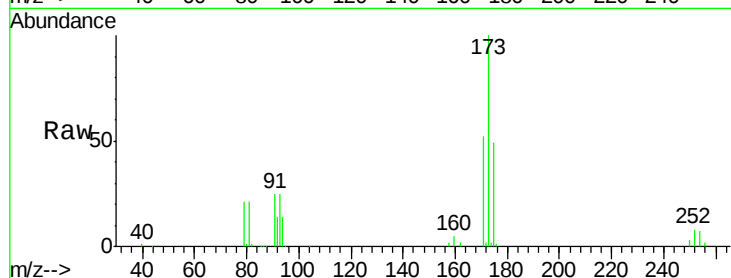
Tgt Ion:173 Resp: 237457

Ion Ratio Lower Upper

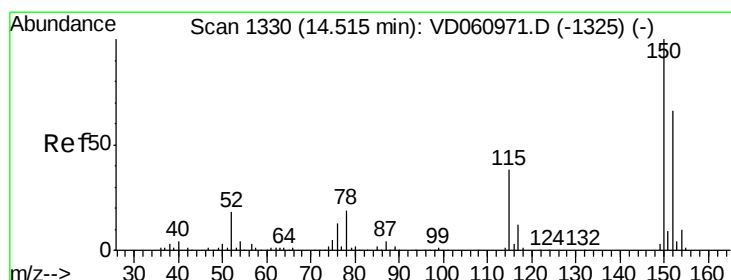
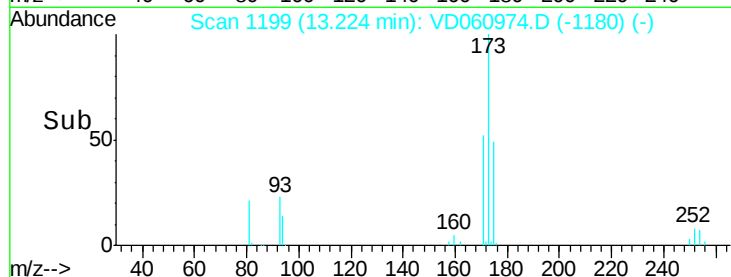
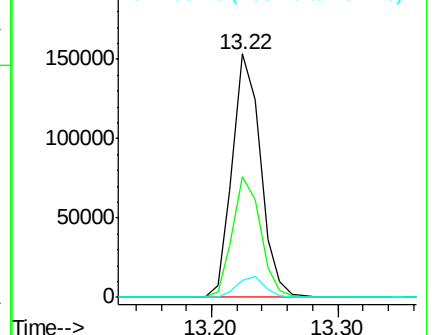
173 100

175 49.4 24.9 74.8

254 7.1 7.3 10.9#



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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

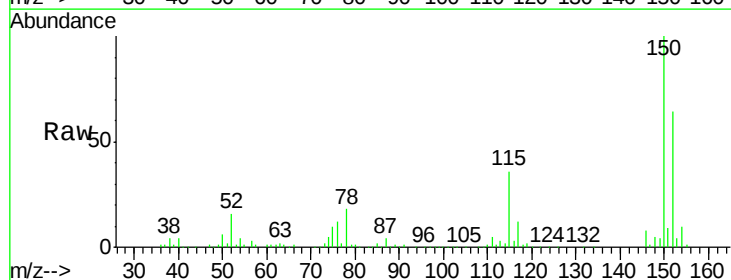
Tgt Ion:152 Resp: 470105

Ion Ratio Lower Upper

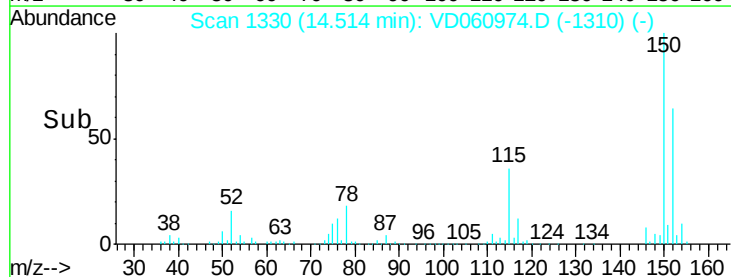
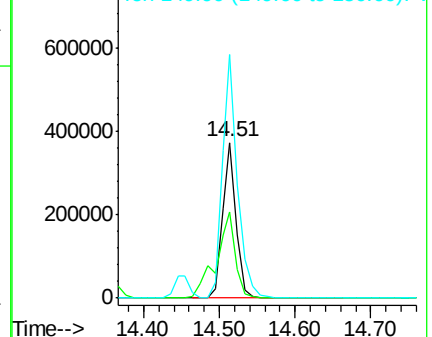
152 100

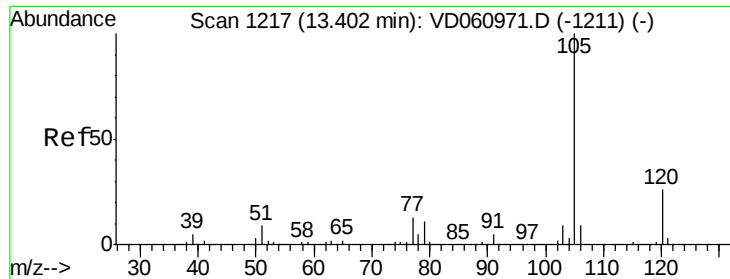
115 55.6 28.6 85.9

150 156.5 0.0 310.6



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: 46.719 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

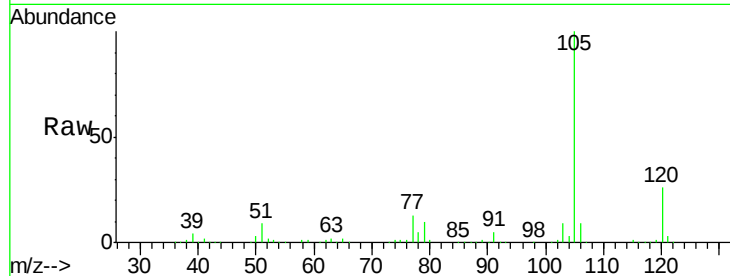
ICVVD030719

Tgt Ion:105 Resp: 1582824

Ion Ratio Lower Upper

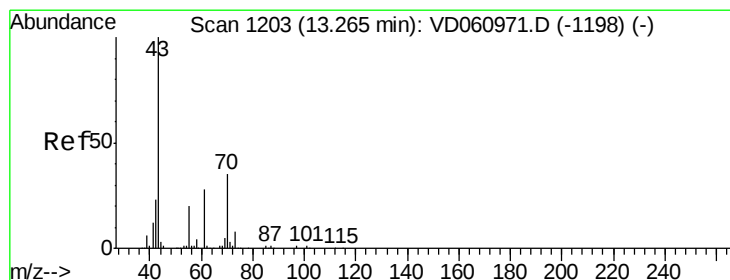
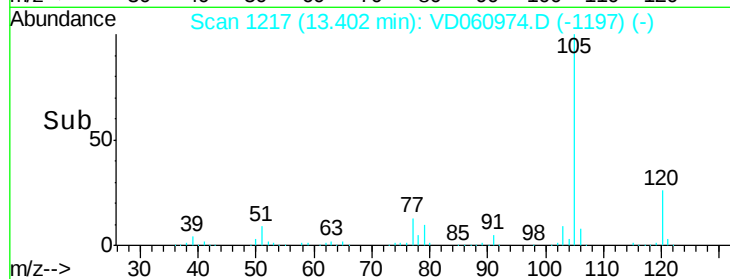
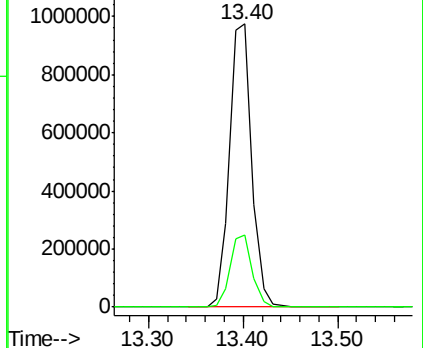
105 100

120 25.7 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.038 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Tgt Ion: 43 Resp: 458264

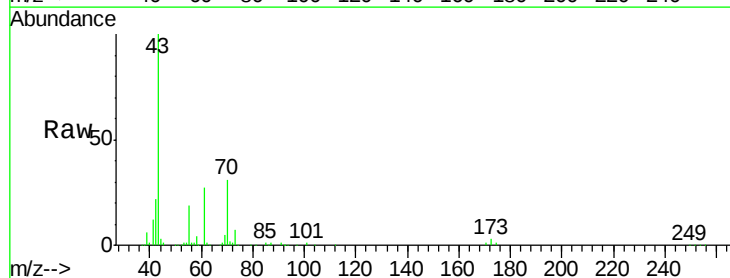
Ion Ratio Lower Upper

43 100

70 30.5 27.7 41.5

55 18.7 16.2 24.2

61 26.6 22.3 33.5

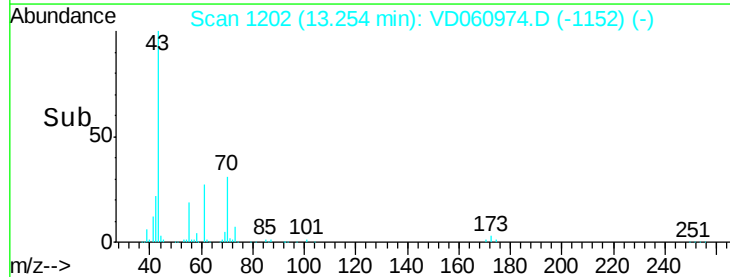
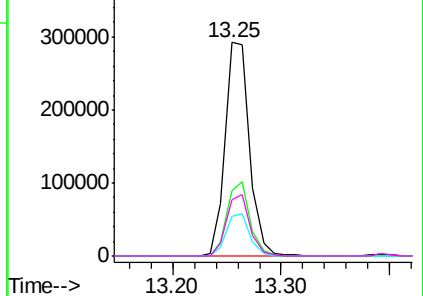


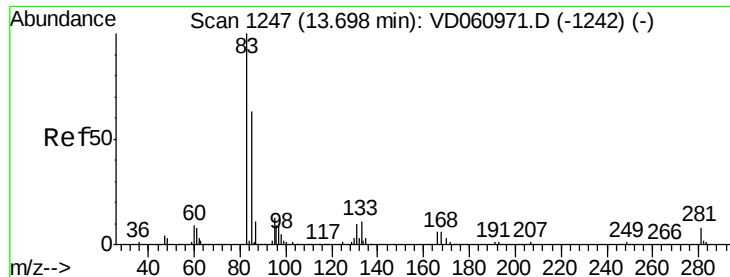
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.819 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

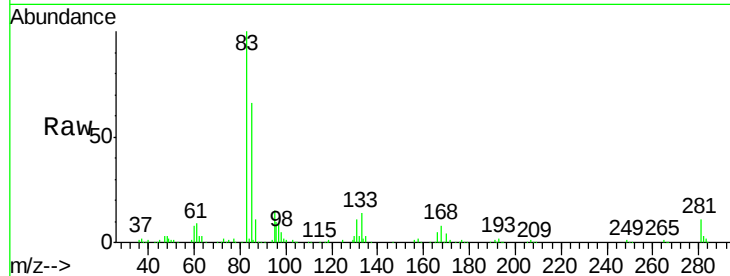
Tgt Ion: 83 Resp: 335919

Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.3

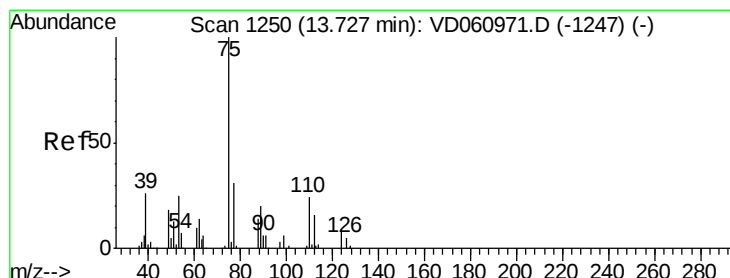
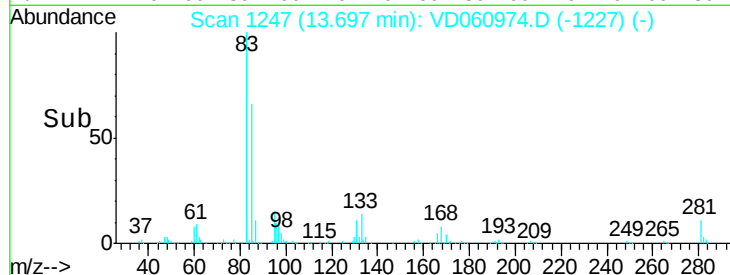
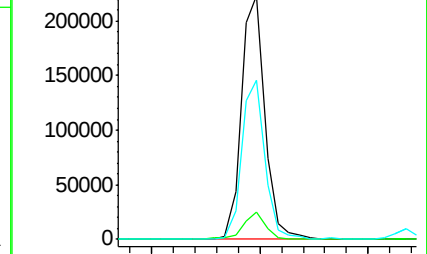
85 65.6 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.742 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD060974.D

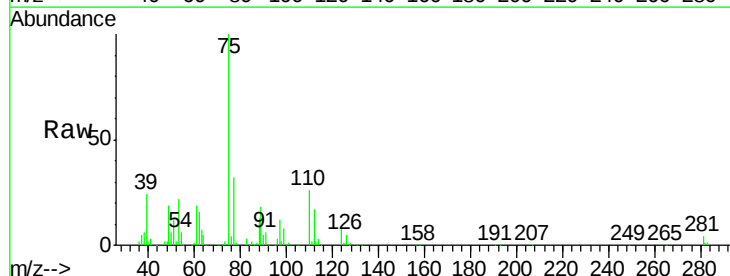
Acq: 7 Mar 2019 18:21

Tgt Ion: 75 Resp: 329659

Ion Ratio Lower Upper

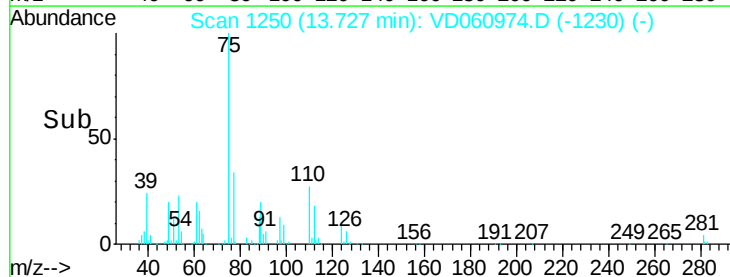
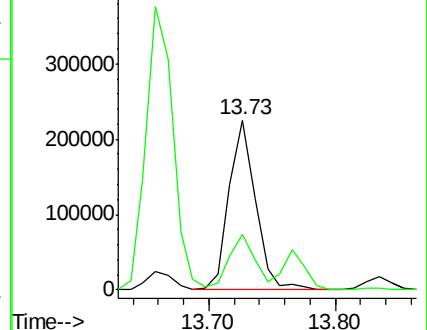
75 100

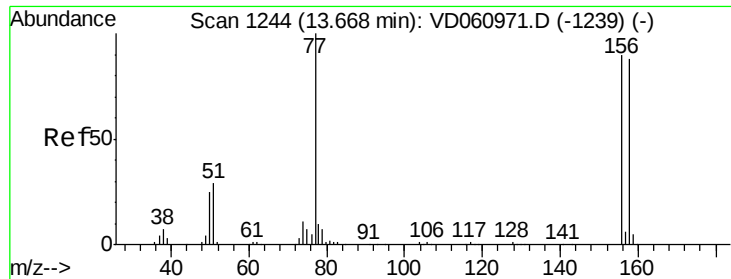
77 32.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.193 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

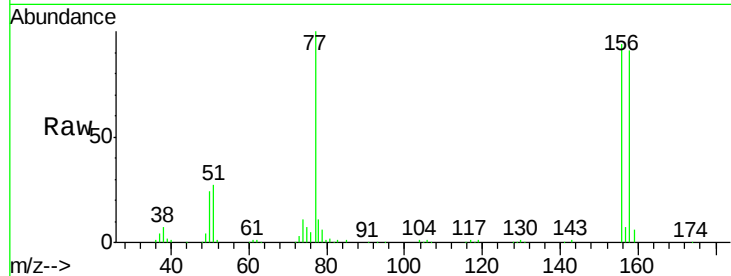
Tgt Ion:156 Resp: 434095

Ion Ratio Lower Upper

156 100

77 105.9 55.5 166.7

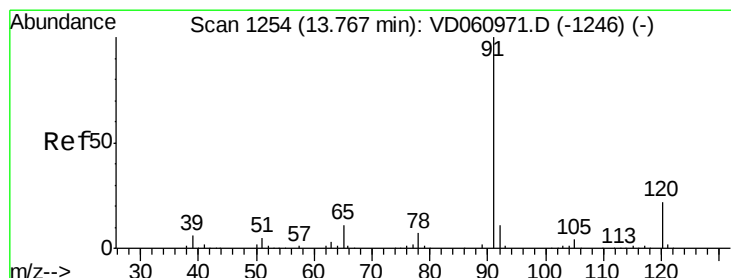
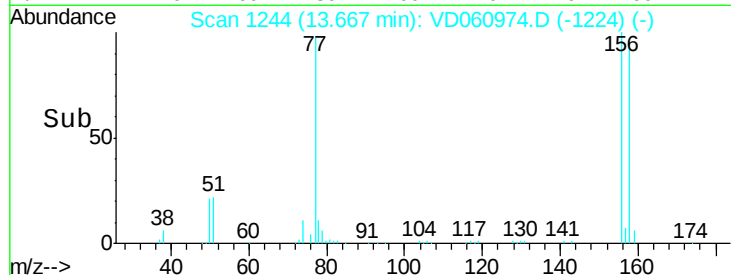
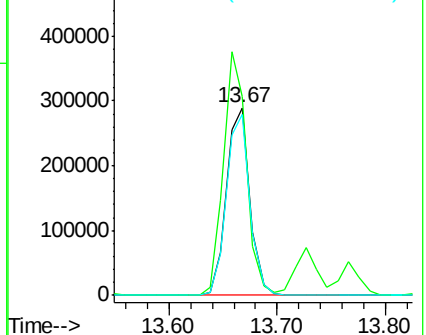
158 96.2 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.099 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060974.D

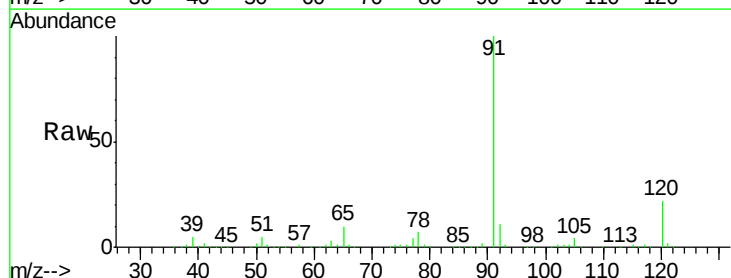
Acq: 7 Mar 2019 18:21

Tgt Ion: 91 Resp: 1868069

Ion Ratio Lower Upper

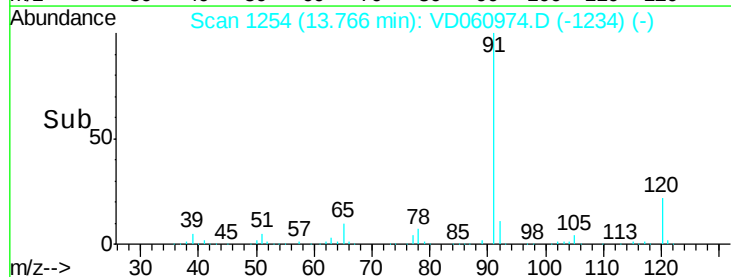
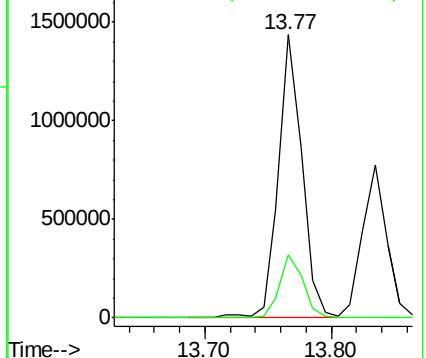
91 100

120 22.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

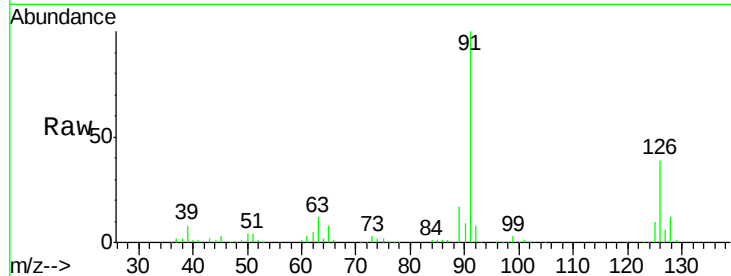




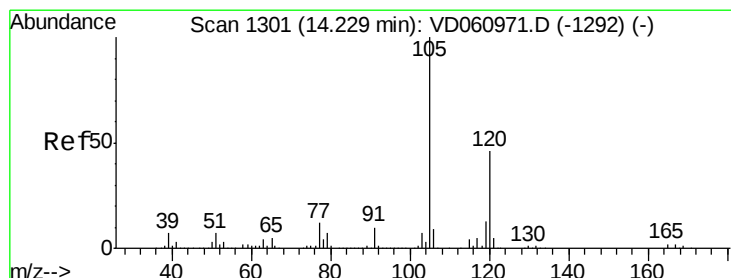
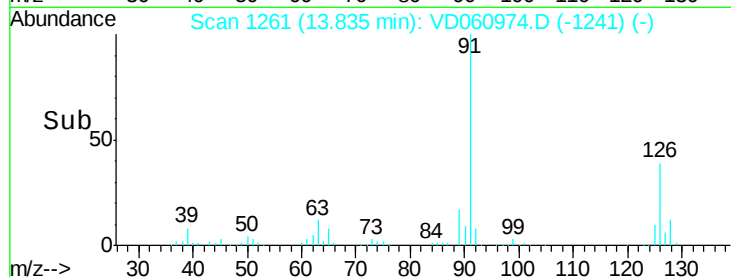
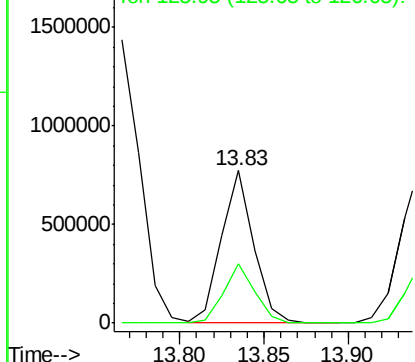
#79
2-Chlorotoluene
Concen: 46.838 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 91 Resp: 1022759
Ion Ratio Lower Upper
91 100
126 38.6 18.6 55.6

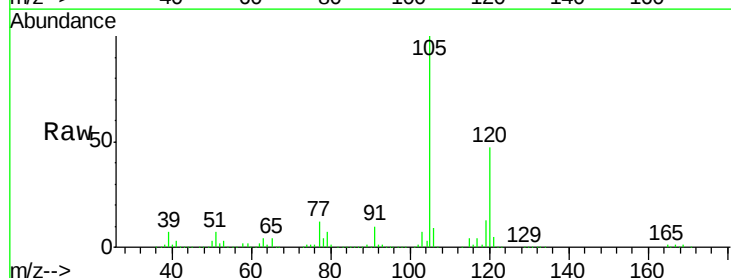


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

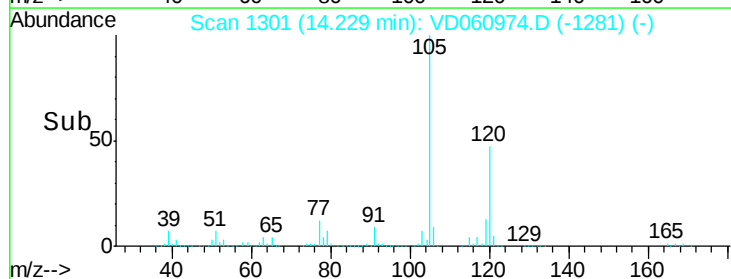
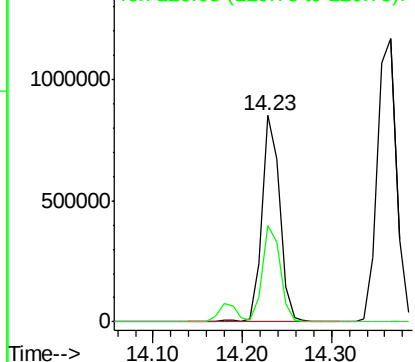


#80
1,3,5-Trimethylbenzene
Concen: 44.971 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 105 Resp: 1156653
Ion Ratio Lower Upper
105 100
120 47.0 22.9 68.5



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

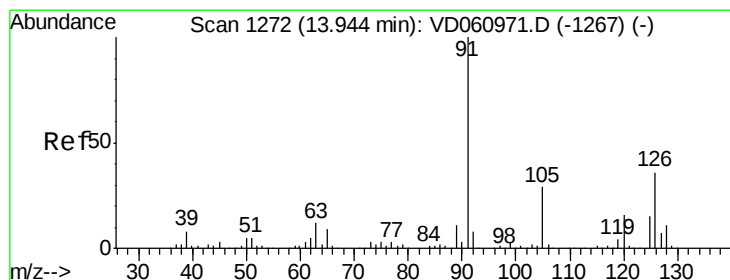
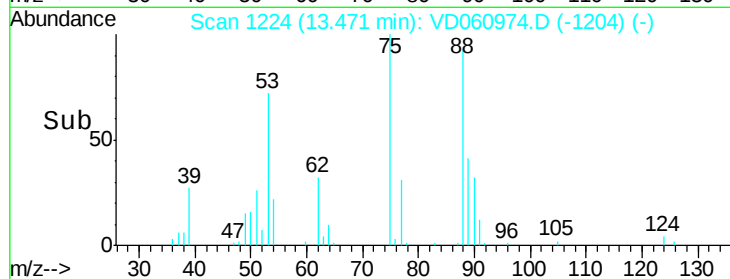
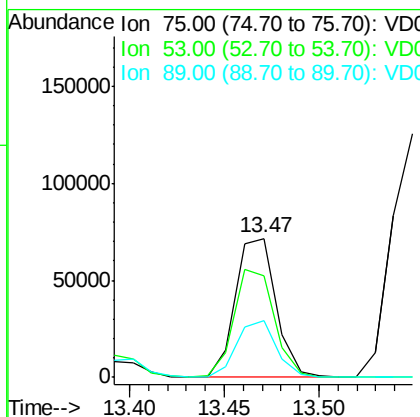
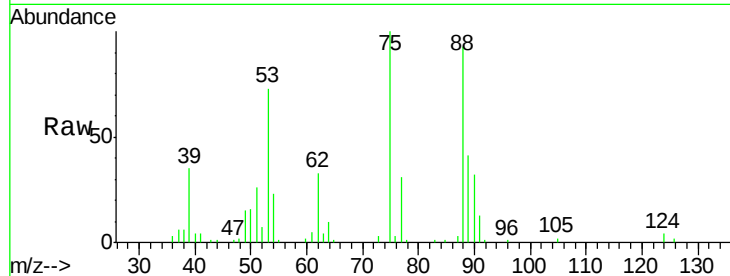




#81
trans-1,4-Dichloro-2-butene
Concen: 53.730 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

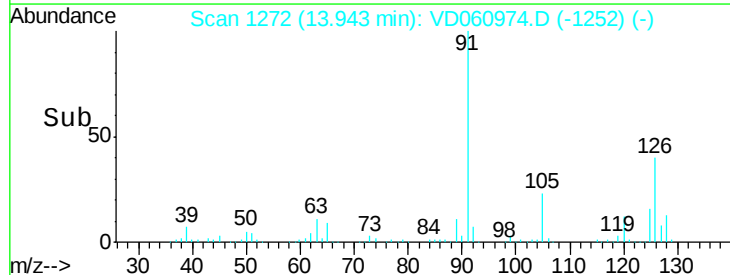
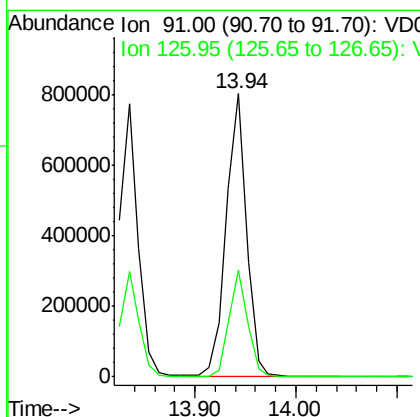
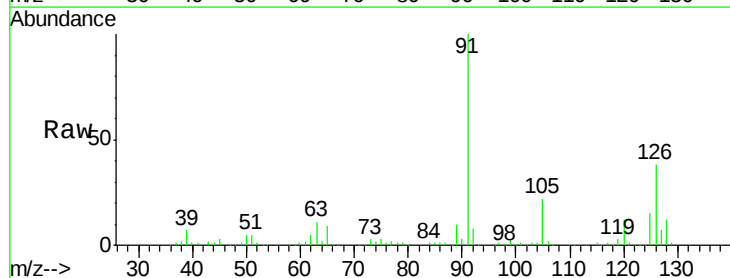
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion: 75 Resp: 107136
Ion Ratio Lower Upper
75 100
53 73.3 64.4 96.6
89 41.1 34.8 52.2



#82
4-Chlorotoluene
Concen: 43.451 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion: 91 Resp: 1121645
Ion Ratio Lower Upper
91 100
126 37.7 18.0 54.0

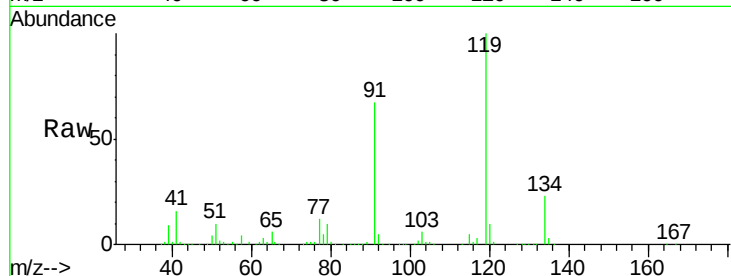




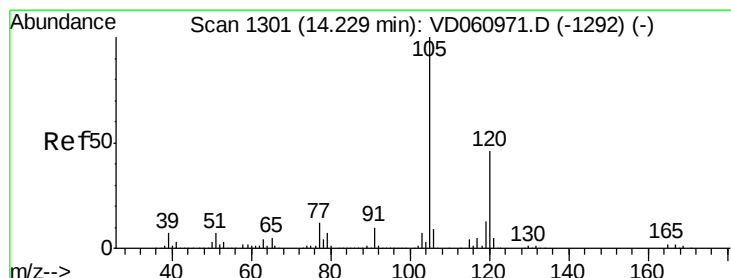
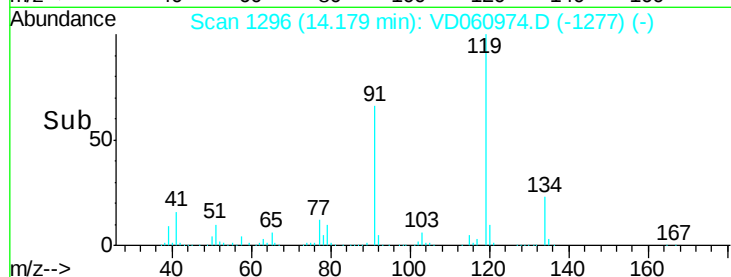
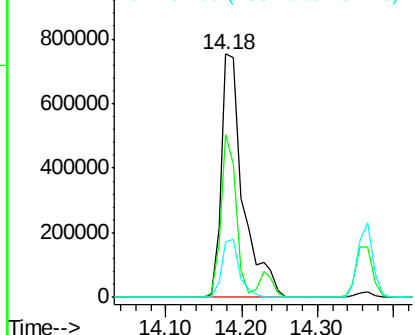
#83
 tert-Butylbenzene
 Concen: 53.767 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion:119 Resp: 1513402
 Ion Ratio Lower Upper
 119 100
 91 66.8 30.1 90.3
 134 23.0 11.6 34.7

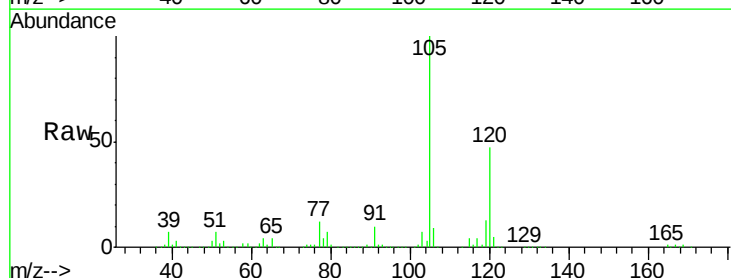


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

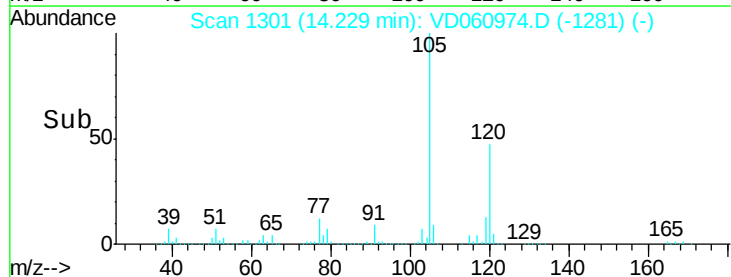
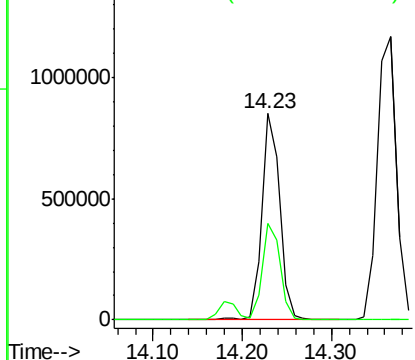


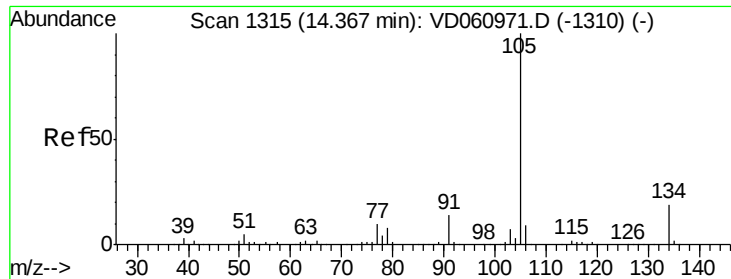
#84
 1,2,4-Trimethylbenzene
 Concen: 44.971 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:105 Resp: 1156653
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.5



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

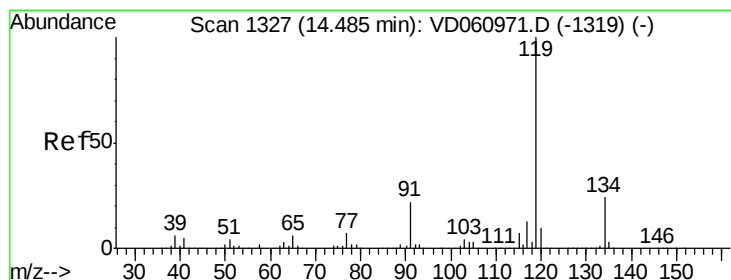
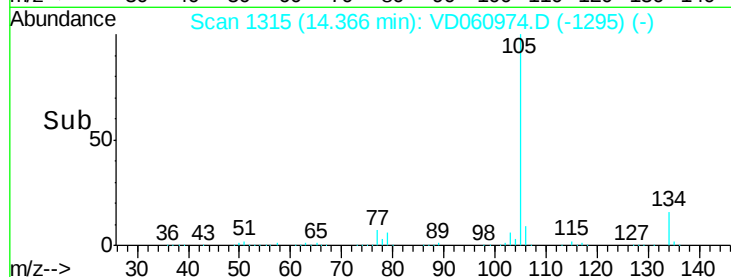
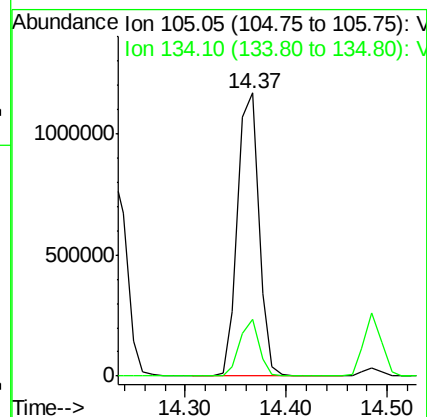
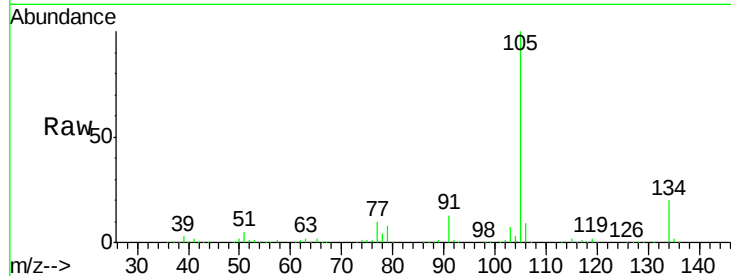




#85
 sec-Butylbenzene
 Concen: 49.911 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

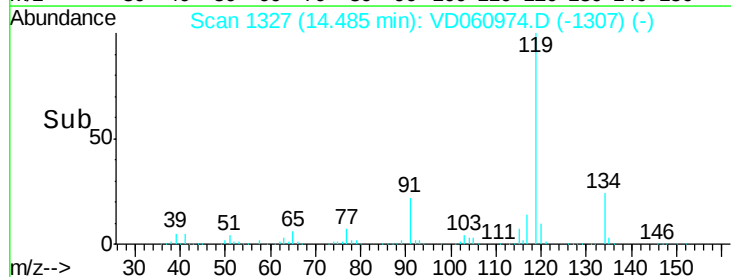
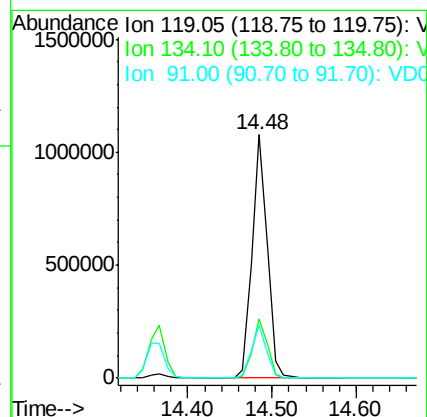
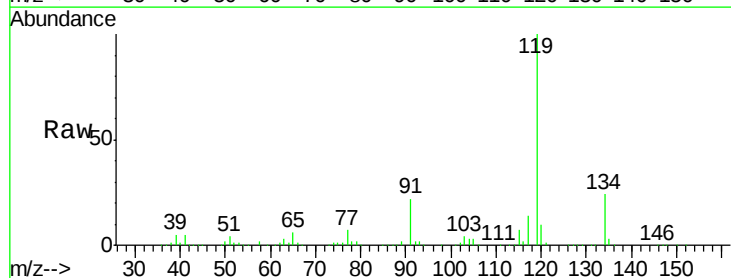
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion:105 Resp: 1715086
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 47.799 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:119 Resp: 1342597
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.0 36.1
 91 21.8 11.2 33.6

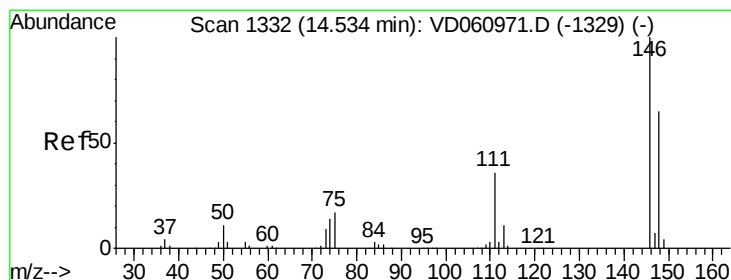
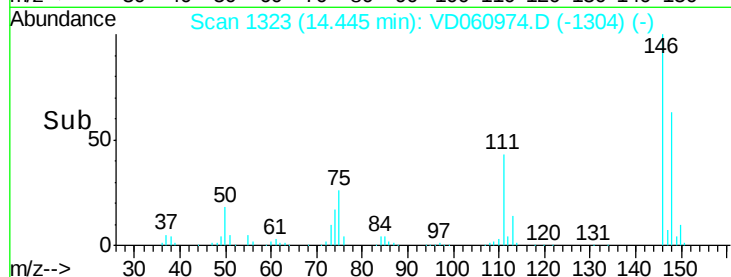
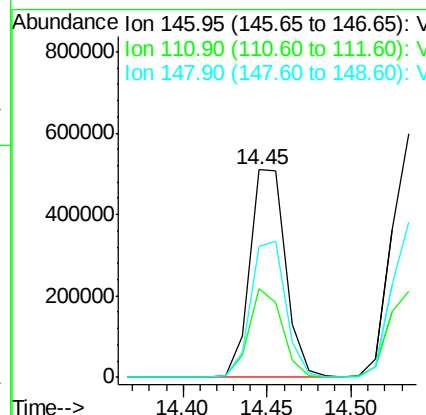
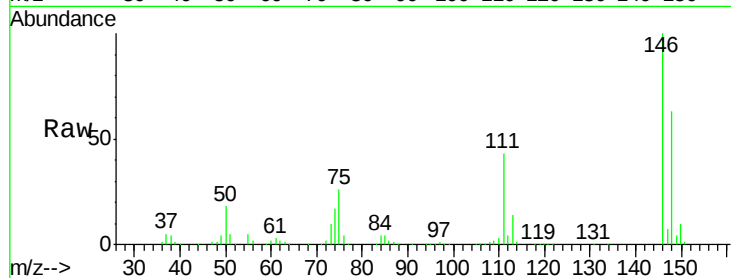




#87
 1,3-Dichlorobenzene
 Concen: 48.870 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

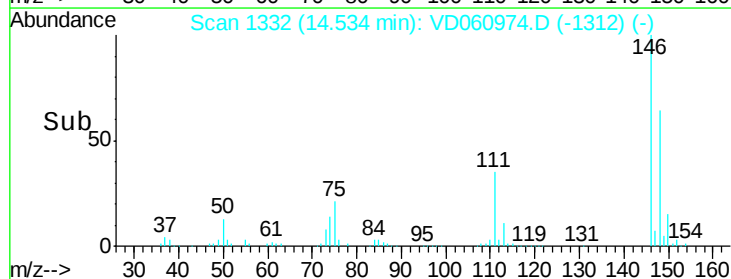
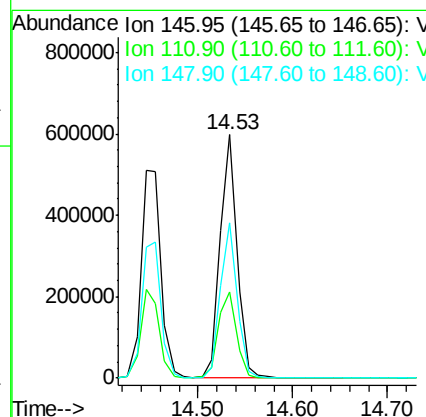
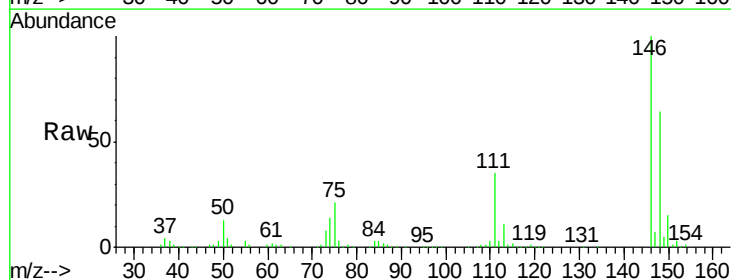
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

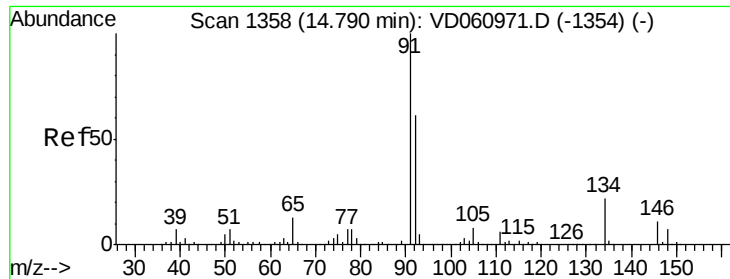
Tgt Ion:146 Resp: 754701
 Ion Ratio Lower Upper
 146 100
 111 42.6 18.4 55.4
 148 63.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.031 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:146 Resp: 744082
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.2
 148 63.7 32.5 97.5





#89

n-Butylbenzene

Concen: 45.249 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD060974.D

Acq: 7 Mar 2019 18:21

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030719

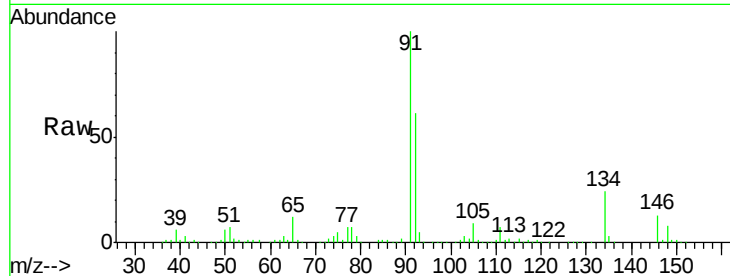
Tgt Ion: 91 Resp: 1220537

Ion Ratio Lower Upper

91 100

92 61.5 30.6 91.8

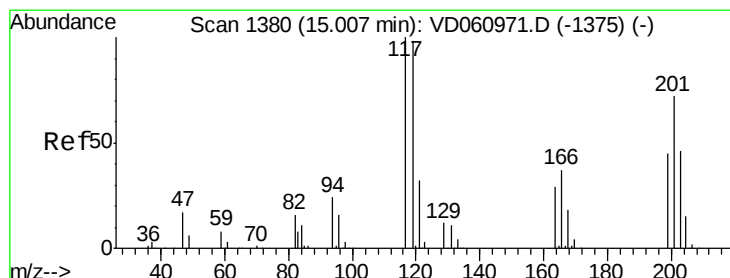
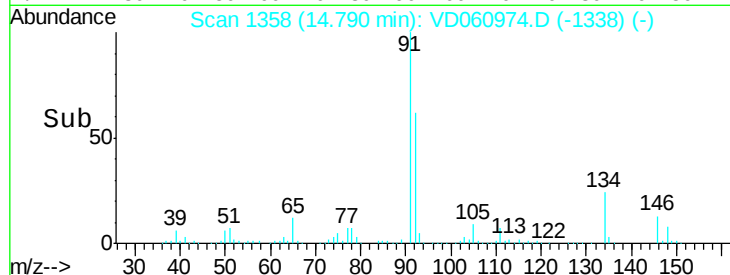
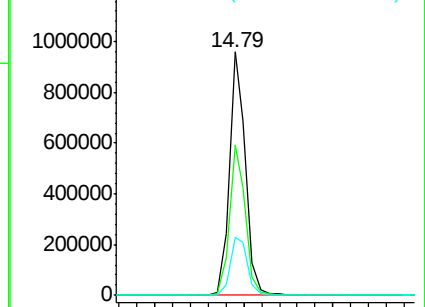
134 24.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 49.248 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060974.D

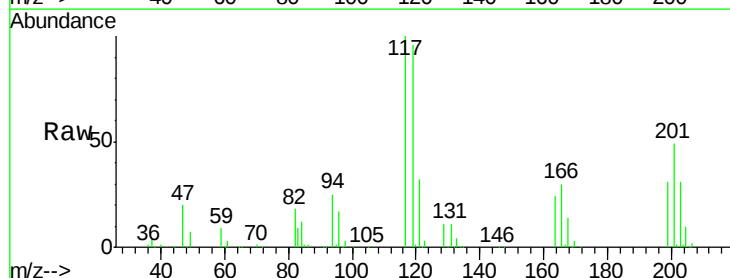
Acq: 7 Mar 2019 18:21

Tgt Ion: 117 Resp: 390599

Ion Ratio Lower Upper

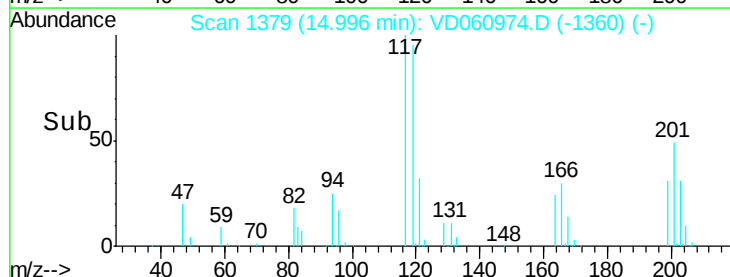
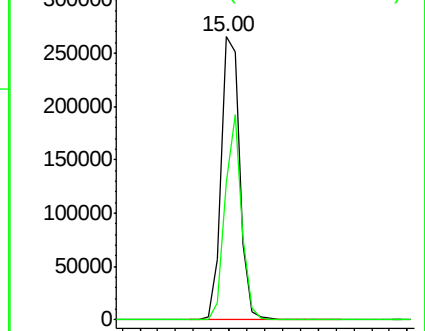
117 100

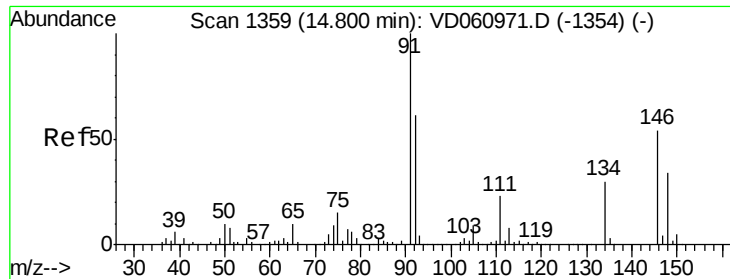
201 48.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

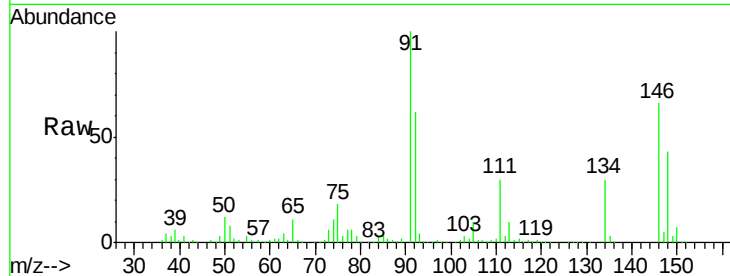




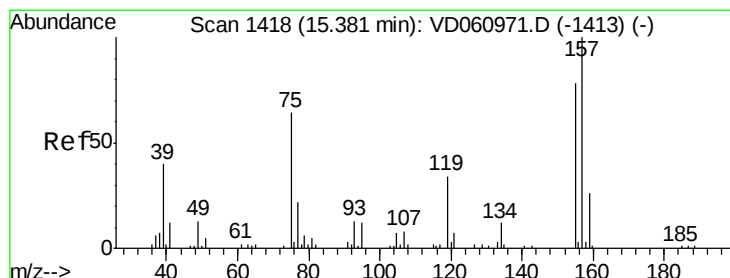
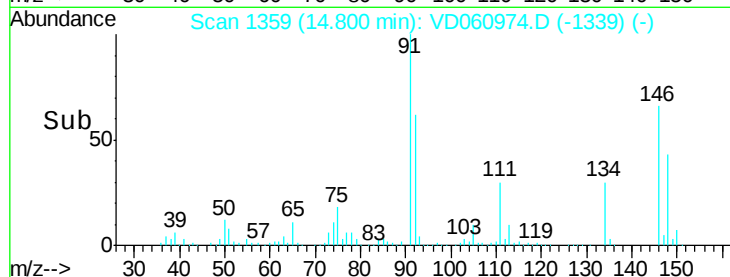
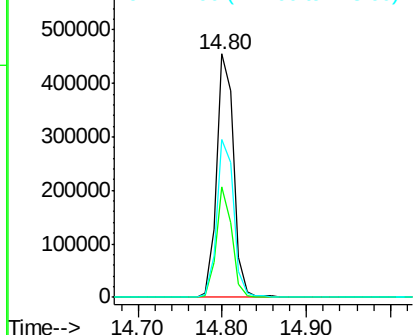
#91
 1,2-Dichlorobenzene
 Concen: 49.291 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Tgt Ion:146 Resp: 634581
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.5 64.5
 148 64.7 30.9 92.8

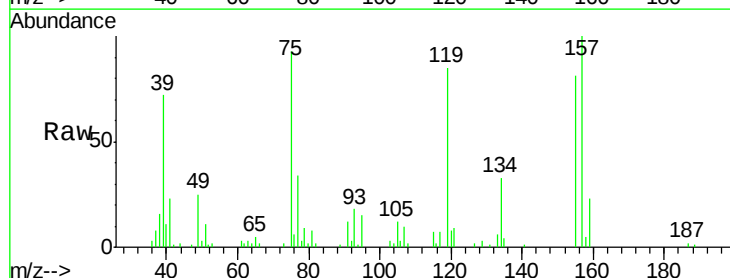


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

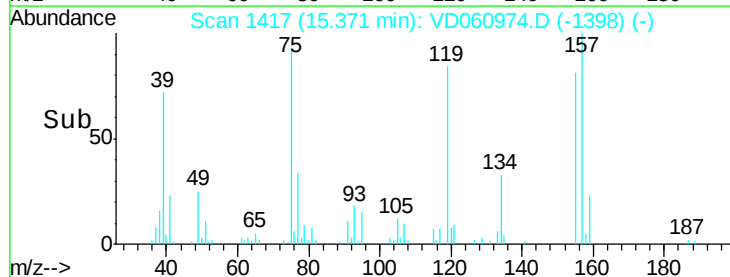
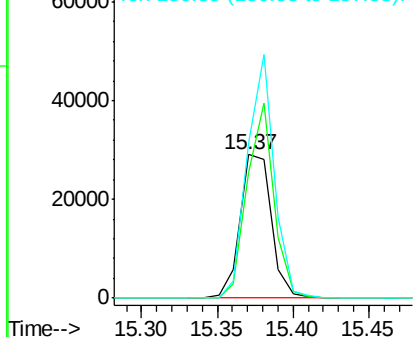


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.175 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion: 75 Resp: 41560
 Ion Ratio Lower Upper
 75 100
 155 87.9 61.2 183.5
 157 107.9 78.3 234.8



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

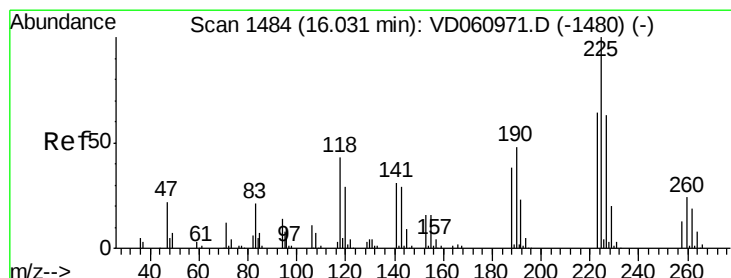
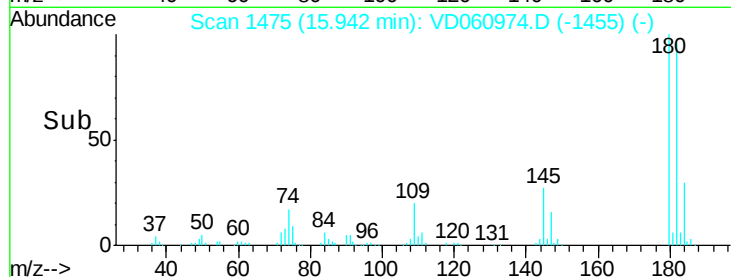
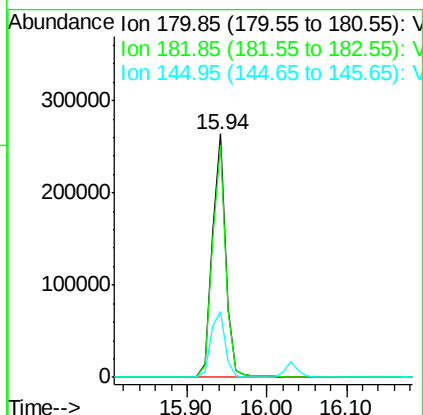
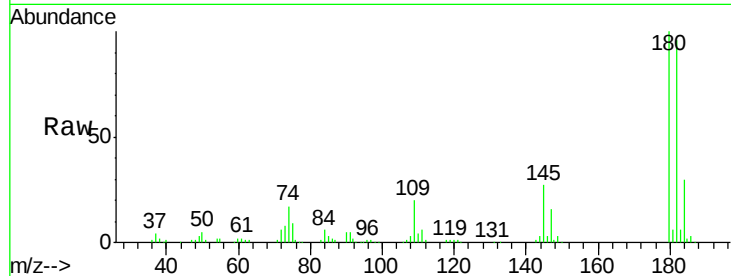




#93
 1,2,4-Trichlorobenzene
 Concen: 52.704 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

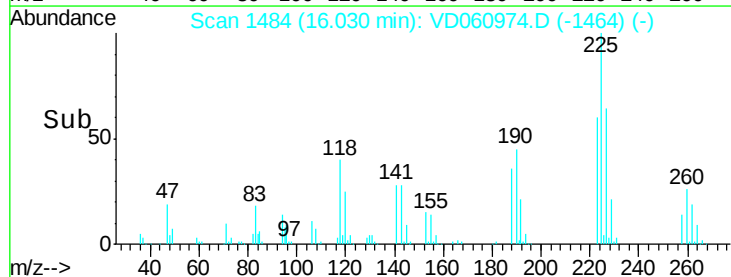
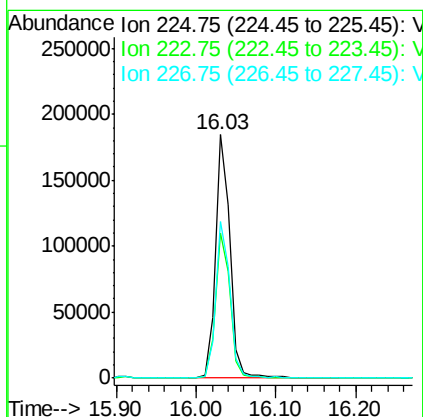
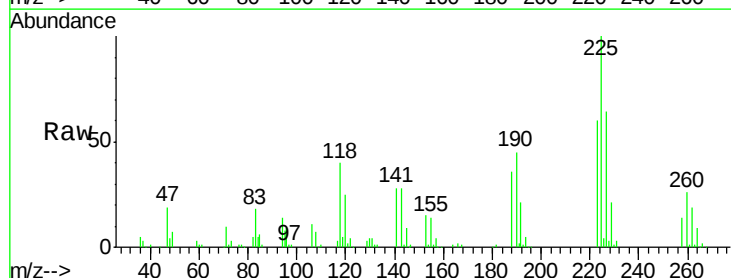
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

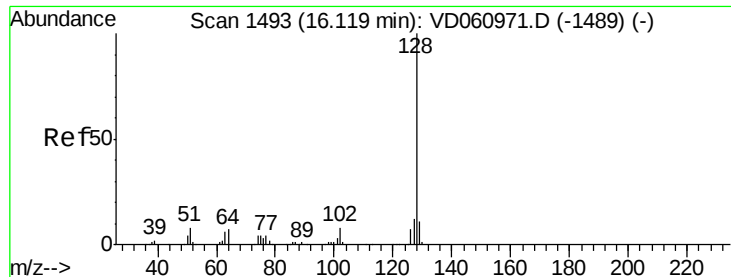
Tgt Ion:180 Resp: 314769
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 142.0
 145 27.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 52.084 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD060974.D
 Acq: 7 Mar 2019 18:21

Tgt Ion:225 Resp: 235286
 Ion Ratio Lower Upper
 225 100
 223 59.8 31.8 95.3
 227 64.1 31.4 94.0

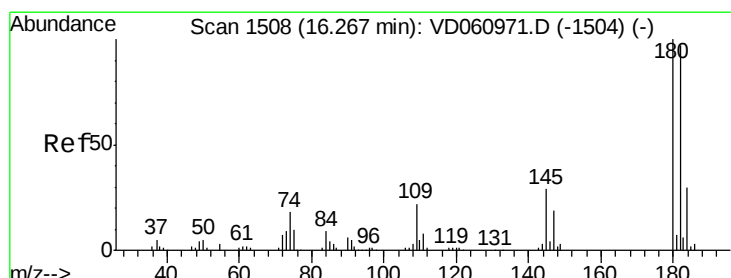
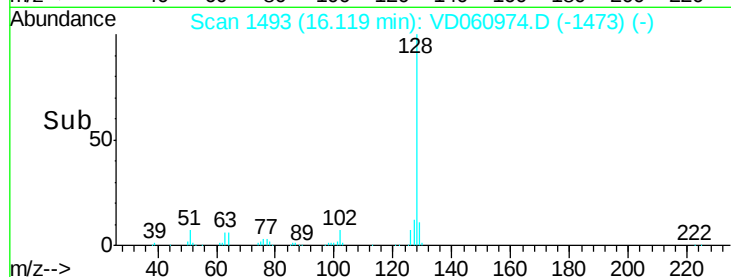
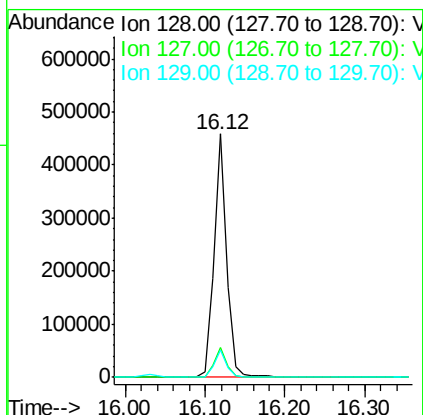
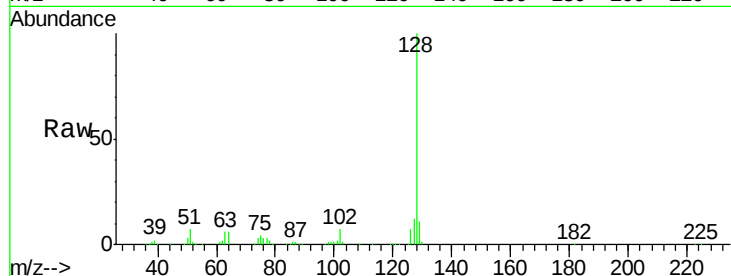




#95
Naphthalene
Concen: 56.454 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030719

Tgt Ion:128 Resp: 512362
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 56.913 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD060974.D
Acq: 7 Mar 2019 18:21

Tgt Ion:180 Resp: 167881
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.8
145 29.6 14.3 42.9

