

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
 Data File : VD061300.D
 Acq On : 25 Mar 2019 13:09
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 26 02:06:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272922	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1055906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	409151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	603484	94.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.02%	
35) Dibromofluoromethane	6.93	113	896193	92.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.02%	
50) Toluene-d8	10.41	98	2064816	87.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.86%	
62) 4-Bromofluorobenzene	13.55	95	850441	92.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	781552	103.256	ug/l	95
3) Chloromethane	1.76	50	661663	112.078	ug/l	98
4) Vinyl Chloride	1.86	62	591103	107.100	ug/l	99
5) Bromomethane	2.15	94	95889	83.915	ug/l	97
6) Chloroethane	2.26	64	151441	87.185	ug/l	93
7) Trichlorofluoromethane	2.54	101	765003	93.621	ug/l	99
8) Diethyl Ether	2.88	74	251676	103.712	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	862521	103.836	ug/l	97
10) Methyl Iodide	3.32	142	1479183	127.472	ug/l	99
11) Tert butyl alcohol	4.08	59	191310	562.862	ug/l	99
12) 1,1-Dichloroethene	3.14	96	754020	105.506	ug/l	98
13) Acrolein	3.05	56	187520	503.350	ug/l	96
14) Allyl chloride	3.63	41	1059735	104.703	ug/l	99
15) Acrylonitrile	4.20	53	641641	536.777	ug/l	99
16) Acetone	3.24	43	878350	574.567	ug/l	96
17) Carbon Disulfide	3.38	76	2557562	107.662	ug/l	99
18) Methyl Acetate	3.65	43	294031	101.849	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	1305831	103.691	ug/l	100
20) Methylene Chloride	3.83	84	810398	93.484	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	809277	101.168	ug/l	94
22) Diisopropyl ether	5.14	45	2185124	102.494	ug/l	97
23) Vinyl Acetate	5.07	43	5875177	516.213	ug/l	100
24) 1,1-Dichloroethane	5.00	63	1319648	106.063	ug/l	99
25) 2-Butanone	6.07	43	950704	538.192	ug/l	96
26) 2,2-Dichloropropane	6.03	77	1039423	98.500	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	874433	101.656	ug/l	95
28) Bromochloromethane	6.45	49	498930	95.795	ug/l	98
29) Tetrahydrofuran	6.47	42	466351	530.387	ug/l	98
30) Chloroform	6.67	83	1374787	103.633	ug/l	99
31) Cyclohexane	6.96	56	1014638	100.469	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	1134667	96.594	ug/l	99
36) 1,1-Dichloropropene	7.16	75	1028983	98.838	ug/l	100
37) Ethyl Acetate	6.19	43	444177	102.443	ug/l	98
38) Carbon Tetrachloride	7.12	117	1229118	99.888	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	1063952	98.592	ug/l	99
40) Benzene	7.46	78	2618207	101.161	ug/l	99
41) Methacrylonitrile	6.46	41	505308	99.942	ug/l	97
42) 1,2-Dichloroethane	7.58	62	857471	106.321	ug/l	98
43) Isopropyl Acetate	9.24	43	687798	109.659	ug/l #	99
44) Trichloroethene	8.54	130	993623	106.222	ug/l	99
45) 1,2-Dichloropropane	8.94	63	669021	104.801	ug/l	99
46) Dibromomethane	9.06	93	471445	107.711	ug/l	98
47) Bromodichloromethane	9.38	83	1081049	105.395	ug/l	100
48) Methyl methacrylate	9.12	41	386783	115.538	ug/l	97
49) 1,4-Dioxane	9.08	88	87428	2380.251	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1957210	524.192	ug/l	98
52) Toluene	10.51	92	1536357	97.077	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	929278	104.257	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1154869	106.106	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	546194	103.952	ug/l	99
56) Ethyl methacrylate	11.04	69	567411	101.202	ug/l	99
57) 1,3-Dichloropropane	11.41	76	840368	105.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1143226	391.939	ug/l	98
59) 2-Hexanone	11.54	43	1394221	514.131	ug/l	99
60) Dibromochloromethane	11.68	129	852807	103.624	ug/l	98
61) 1,2-Dibromoethane	11.81	107	658745	107.302	ug/l	94
64) Tetrachloroethene	11.26	164	710646	97.699	ug/l	99
65) Chlorobenzene	12.40	112	1852644	95.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	708173	93.917	ug/l	98
67) Ethyl Benzene	12.53	91	2555535	85.859	ug/l	100
68) m/p-Xylenes	12.67	106	2105261	181.197	ug/l	99
69) o-Xylene	13.05	106	902325	83.736	ug/l	99
70) Styrene	13.07	104	1573900	86.059	ug/l	98
71) Bromoform	13.24	173	507342	109.951	ug/l	99
73) Isopropylbenzene	13.41	105	2686464	100.949	ug/l	100
74) N-amyl acetate	13.27	43	838719	120.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	587284	113.800	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	584911	114.953	ug/l	97
77) Bromobenzene	13.67	156	785201	105.630	ug/l	99
78) n-propylbenzene	13.78	91	3109392	103.563	ug/l	94
79) 2-Chlorotoluene	13.84	91	1876147	107.542	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	183393	114.206	ug/l	99
82) 4-Chlorotoluene	13.95	91	1870741	97.889	ug/l	100
83) tert-Butylbenzene	14.19	119	2397361	100.014	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
85) sec-Butylbenzene	14.37	105	2741652	102.703	ug/l	100
86) p-Isopropyltoluene	14.49	119	2227349	93.523	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1339604	101.669	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1278291	100.152	ug/l	99
89) n-Butylbenzene	14.79	91	1855971	87.775	ug/l	99
90) Hexachloroethane	15.01	117	712714	111.615	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	953505	90.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	83663	129.736	ug/l	98

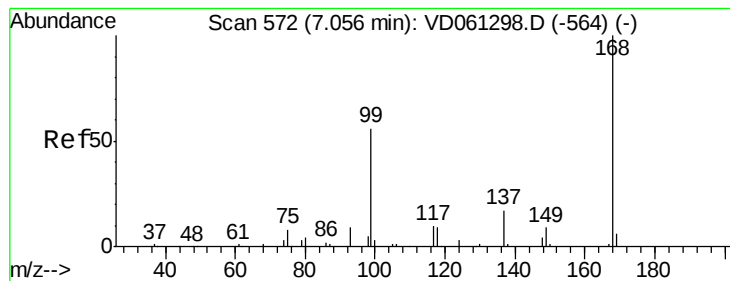
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	527042	108.543	ug/l	100
94) Hexachlorobutadiene	16.03	225	433167	110.706	ug/l	99
95) Naphthalene	16.12	128	806691	113.878	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	234248	103.290	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

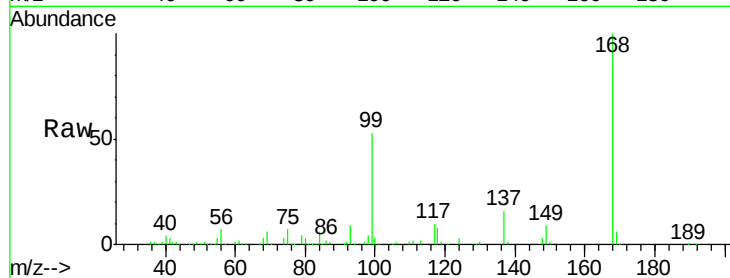
VSTDICC100

Tgt Ion:168 Resp: 739873

Ion Ratio Lower Upper

168 100

99 52.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

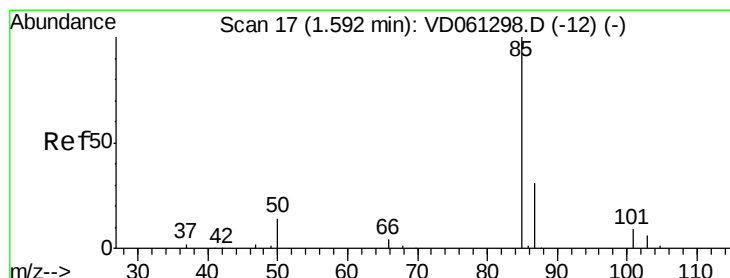
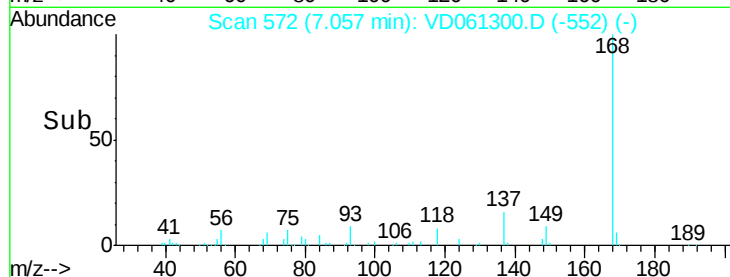
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 103.256 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061300.D

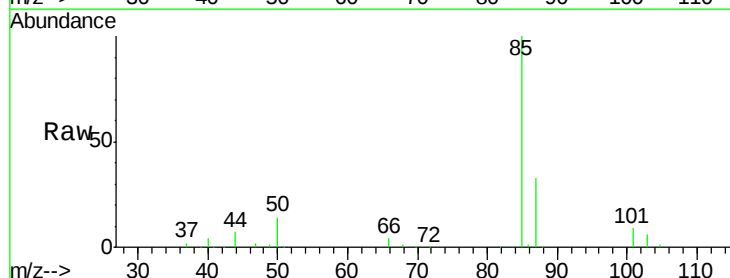
Acq: 25 Mar 2019 13:09

Tgt Ion: 85 Resp: 781552

Ion Ratio Lower Upper

85 100

87 33.4 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

300000

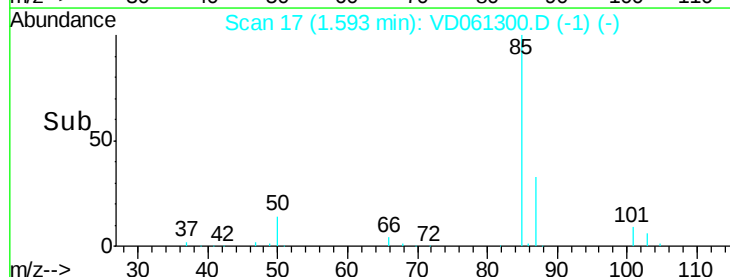
200000

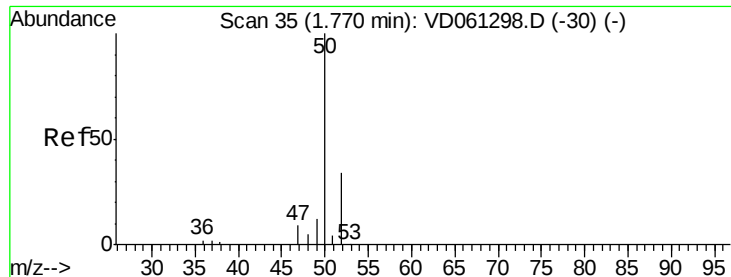
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 112.078 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

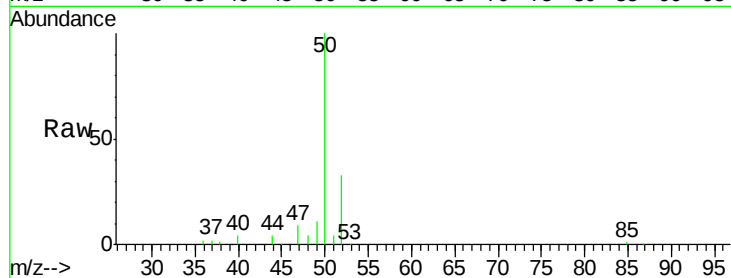
VSTDIC100

Tgt Ion: 50 Resp: 661663

Ion Ratio Lower Upper

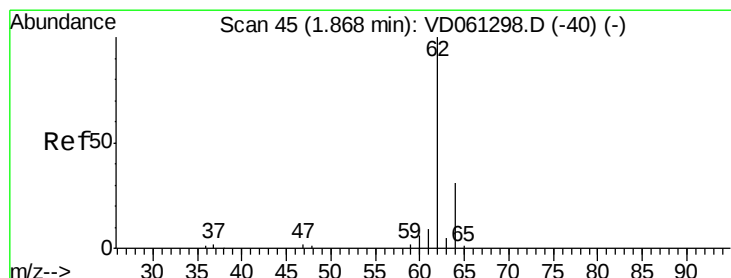
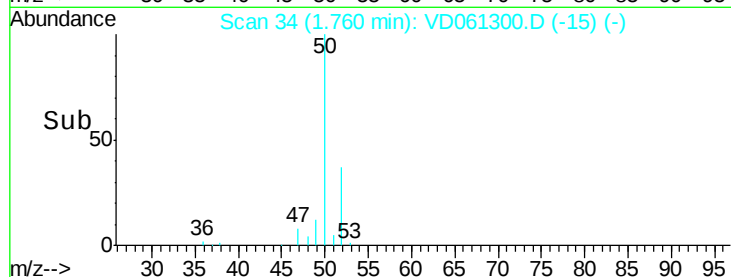
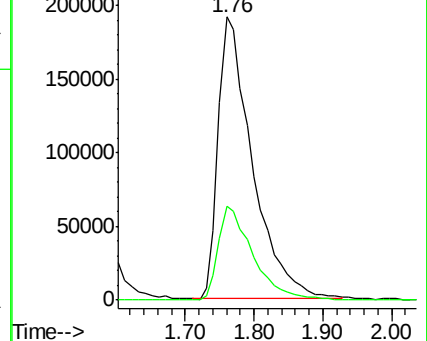
50 100

52 33.0 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 107.100 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061300.D

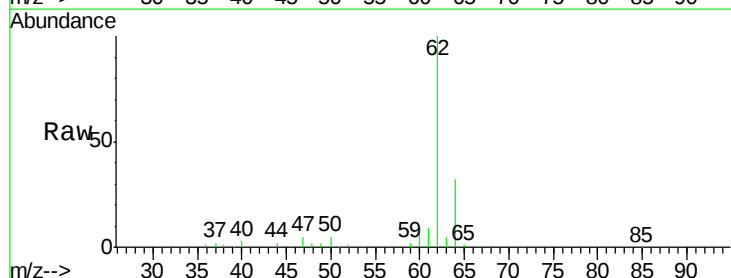
Acq: 25 Mar 2019 13:09

Tgt Ion: 62 Resp: 591103

Ion Ratio Lower Upper

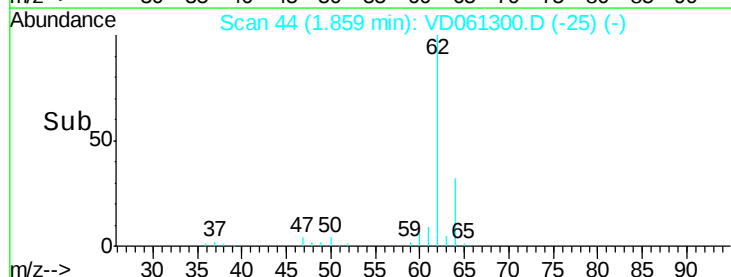
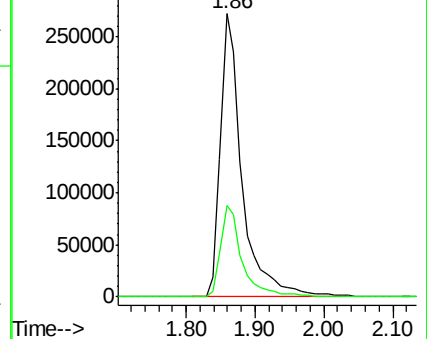
62 100

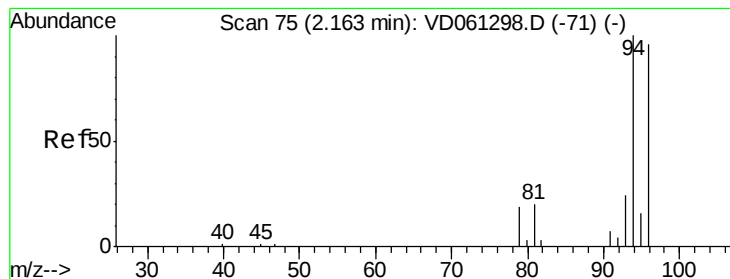
64 32.1 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 83.915 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

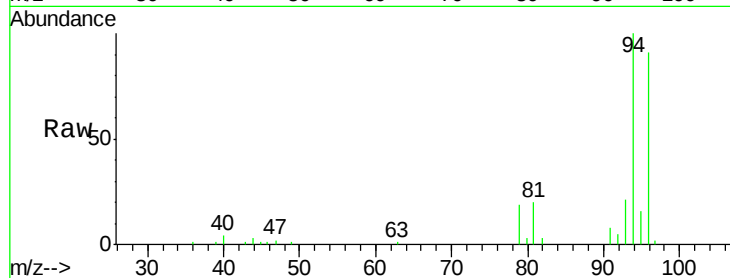
Tgt Ion: 94 Resp: 95889

Ion Ratio Lower Upper

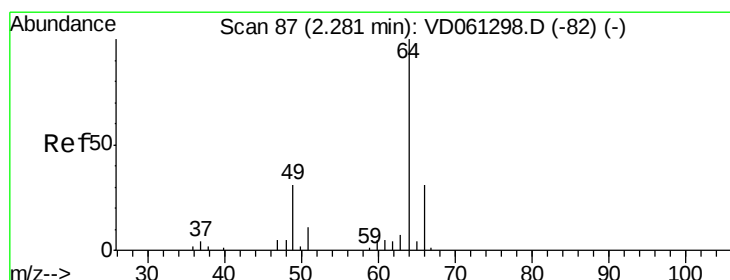
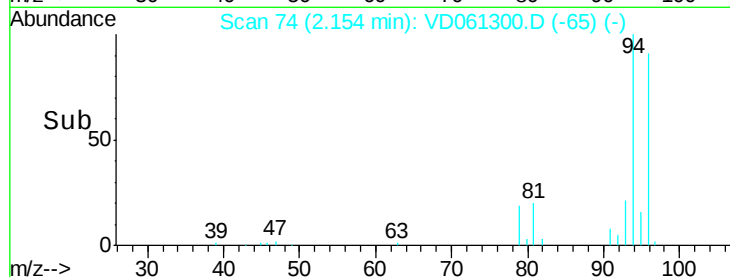
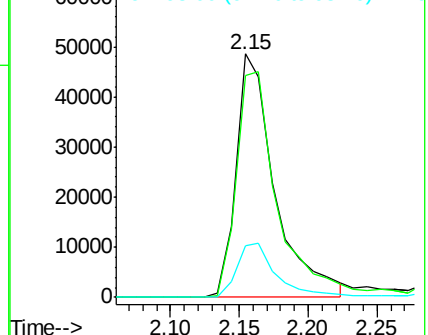
94 100

96 93.6 76.9 115.3

93 21.4 18.8 28.2



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: 87.185 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061300.D

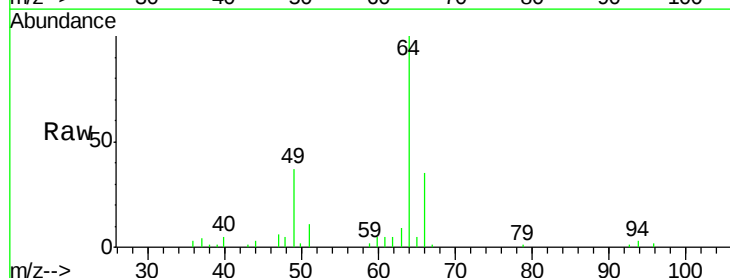
Acq: 25 Mar 2019 13:09

Tgt Ion: 64 Resp: 151441

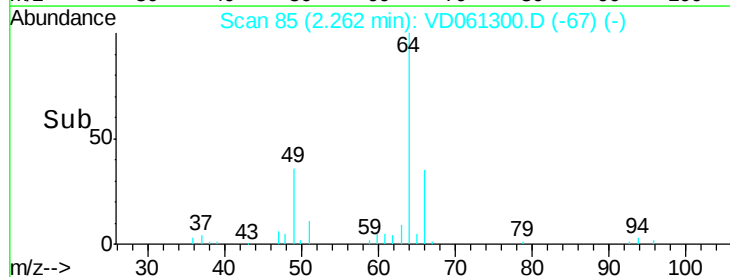
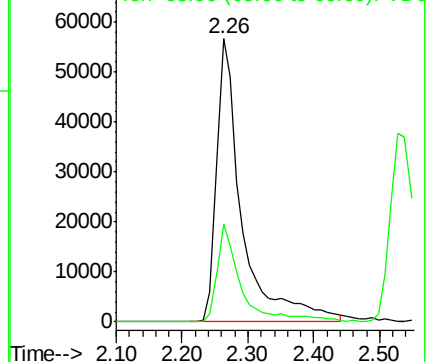
Ion Ratio Lower Upper

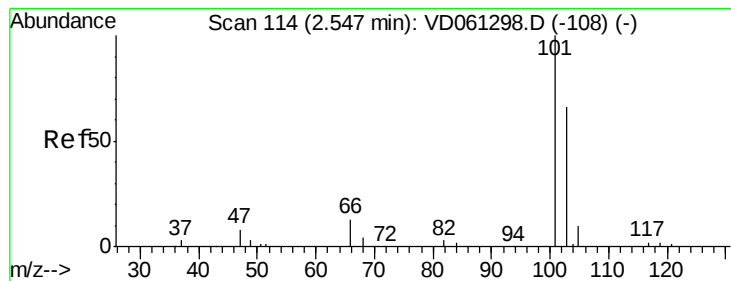
64 100

66 34.6 24.6 36.8



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



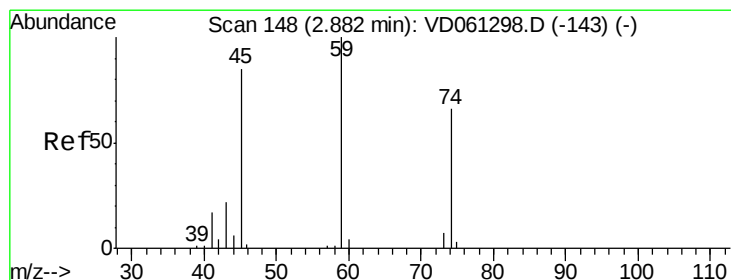
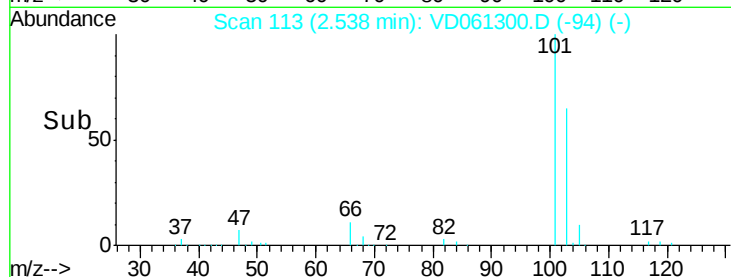
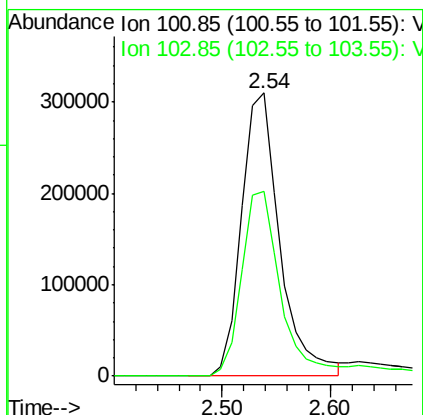
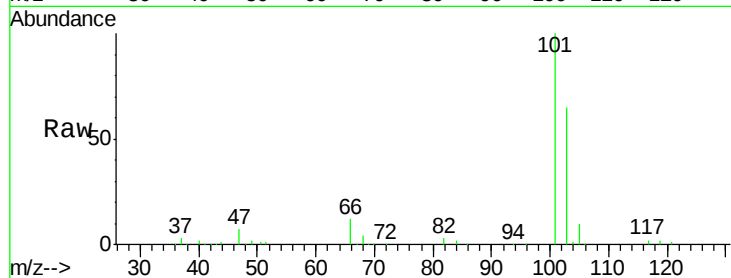


#7

Trichlorofluoromethane
 Concen: 93.621 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
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 VSTDIC100

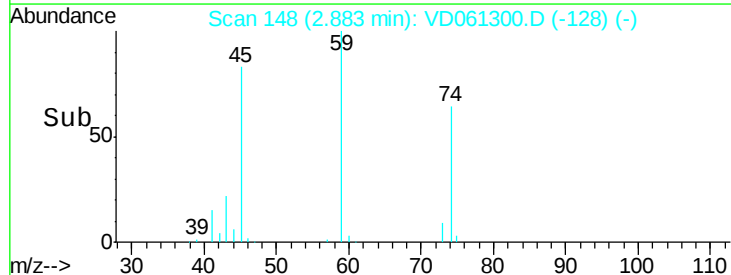
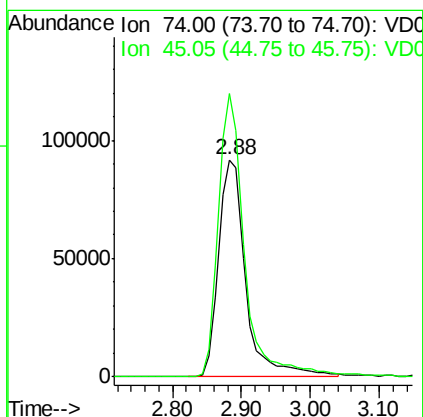
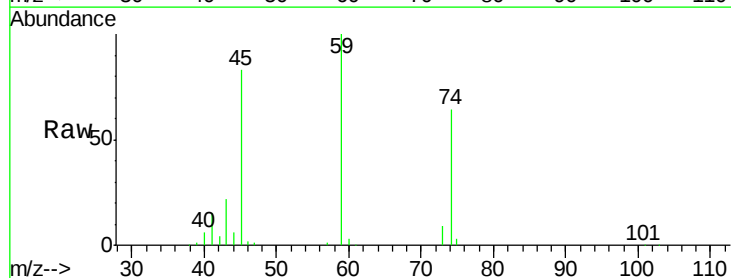
Tgt Ion: 101 Resp: 765003
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0

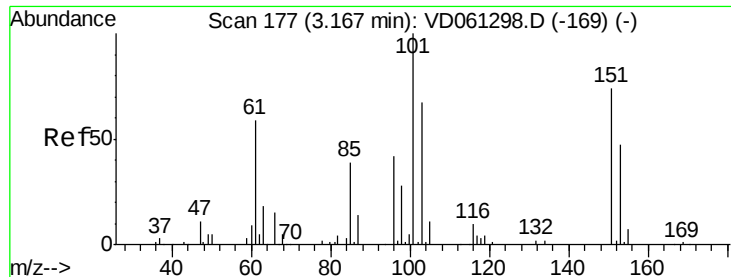


#8

Diethyl Ether
 Concen: 103.712 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 74 Resp: 251676
 Ion Ratio Lower Upper
 74 100
 45 130.3 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.836 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

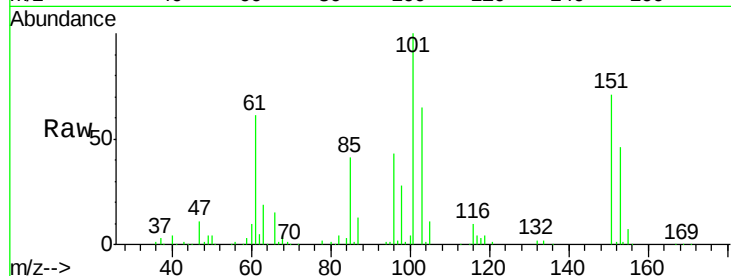
Tgt Ion:101 Resp: 862521

Ion Ratio Lower Upper

101 100

85 40.7 31.6 47.4

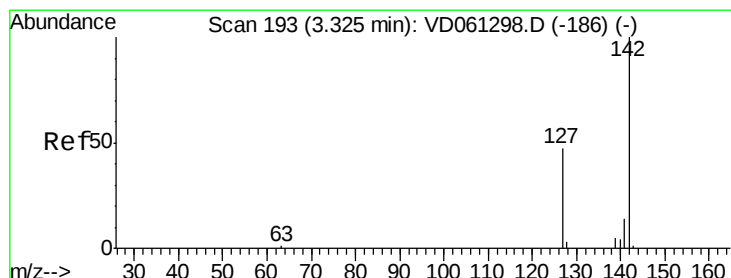
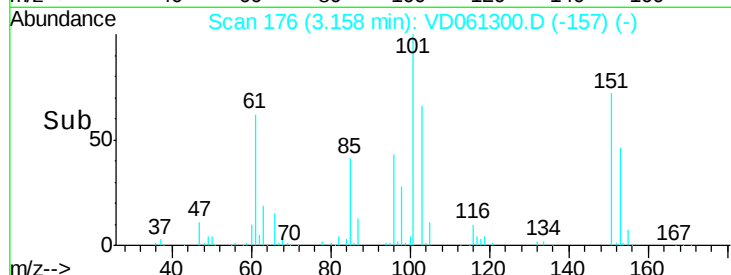
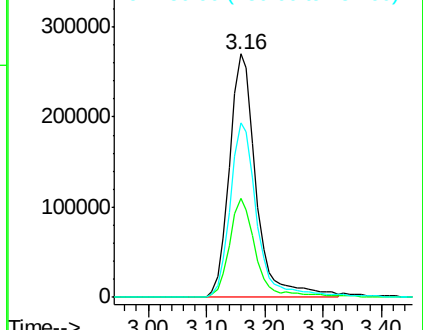
151 71.4 59.3 88.9



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: 127.472 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

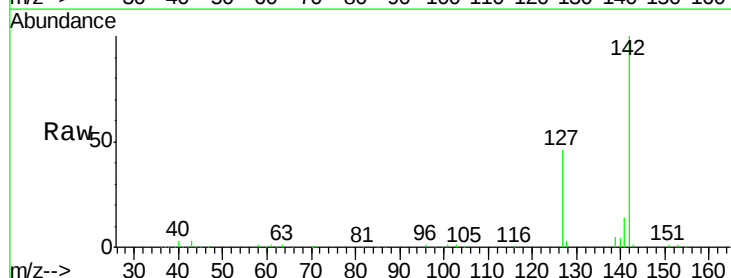
Tgt Ion:142 Resp: 1479183

Ion Ratio Lower Upper

142 100

127 46.4 37.8 56.6

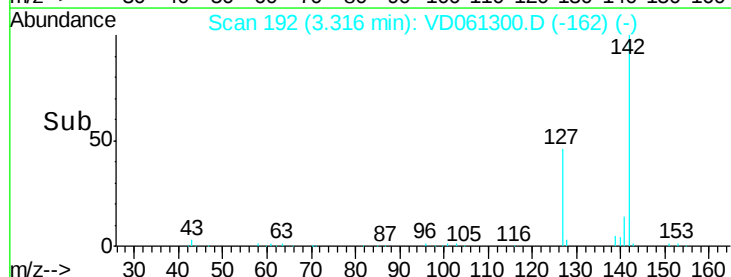
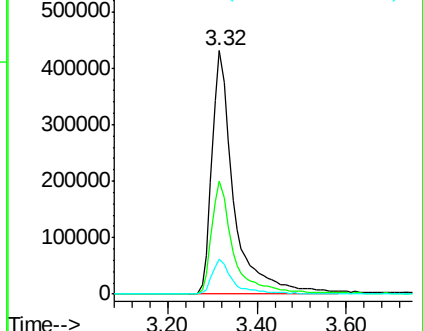
141 14.5 11.6 17.4

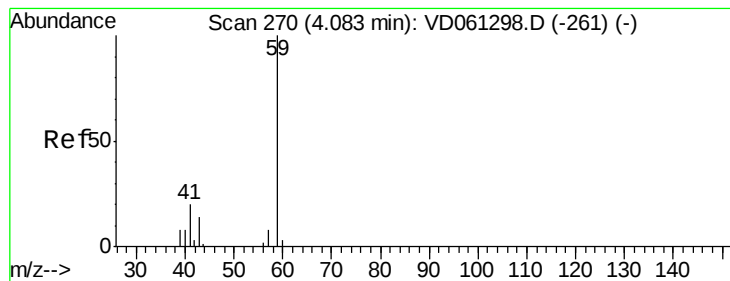


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



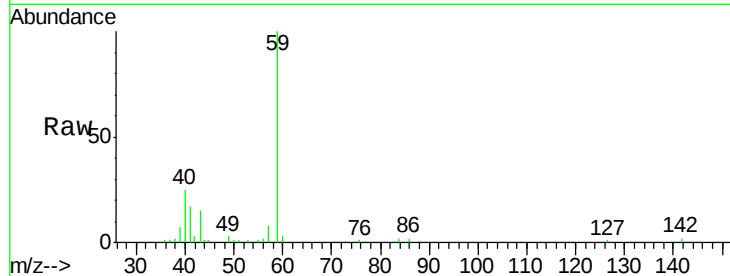


#11

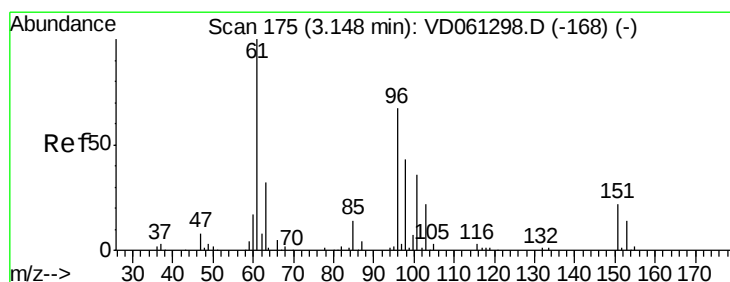
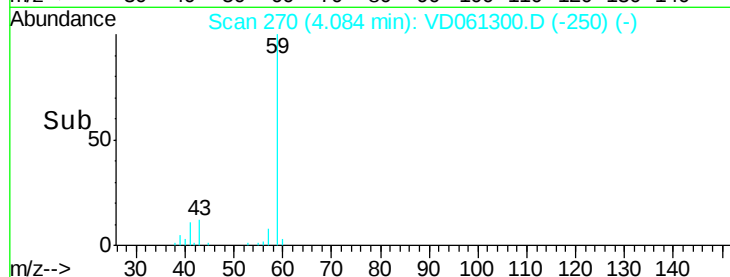
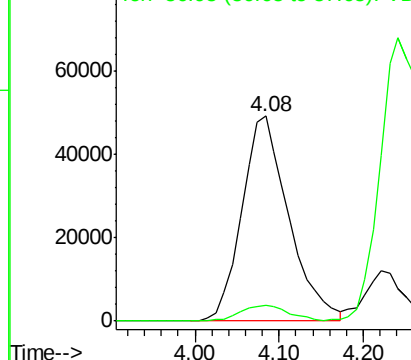
Tert butyl alcohol
 Concen: 562.862 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 59 Resp: 191310
 Ion Ratio Lower Upper
 59 100
 57 8.0 6.6 9.8



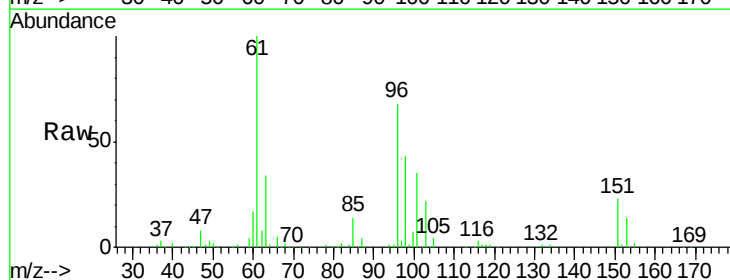
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



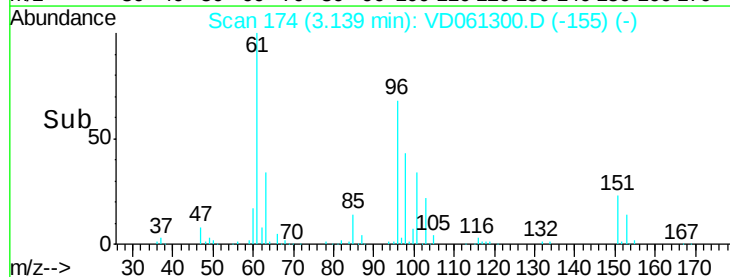
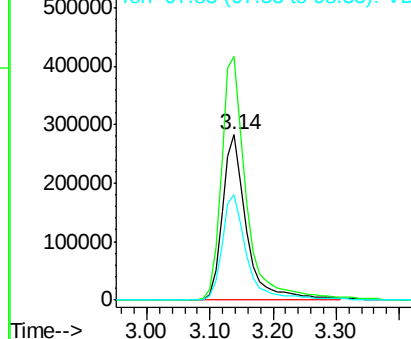
#12

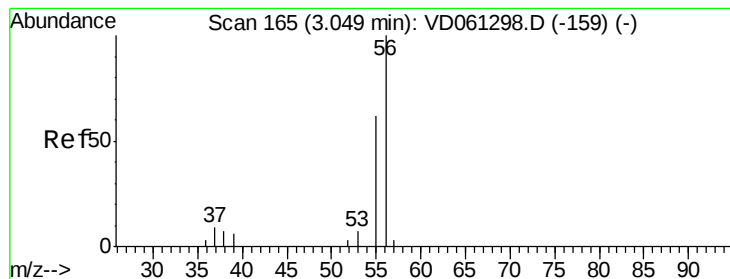
1,1-Dichloroethene
 Concen: 105.506 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 96 Resp: 754020
 Ion Ratio Lower Upper
 96 100
 61 147.2 120.2 180.2
 98 63.6 52.2 78.4



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





#13

Acrolein

Concen: 503.350 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

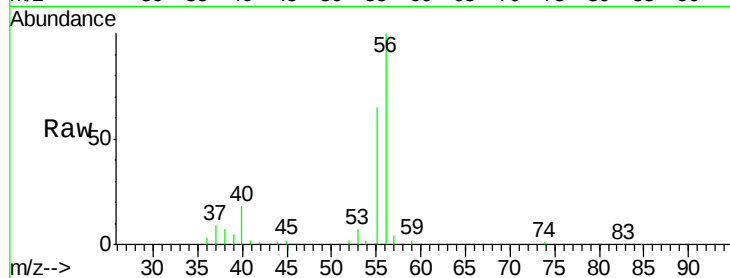
VSTDIC100

Tgt Ion: 56 Resp: 187520

Ion Ratio Lower Upper

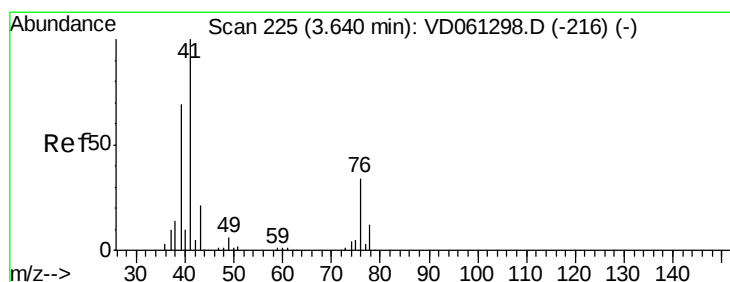
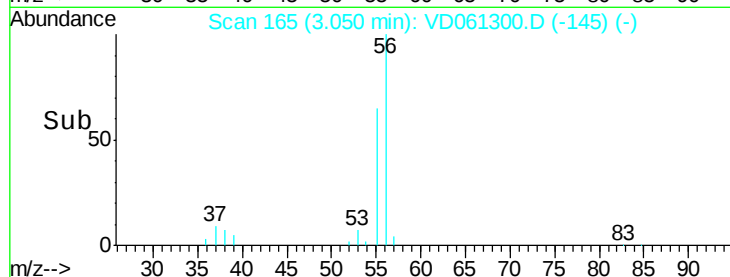
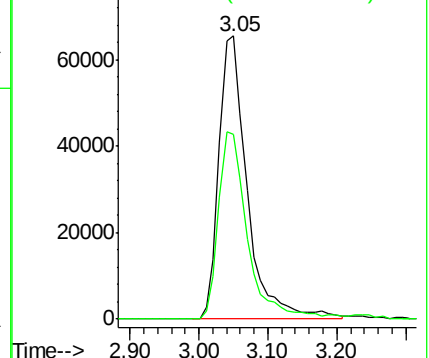
56 100

55 65.5 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 104.703 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

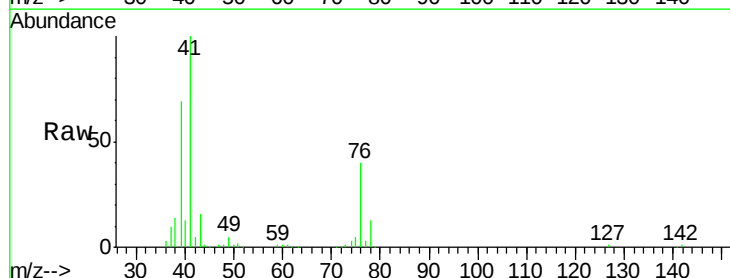
Tgt Ion: 41 Resp: 1059735

Ion Ratio Lower Upper

41 100

39 68.6 55.1 82.7

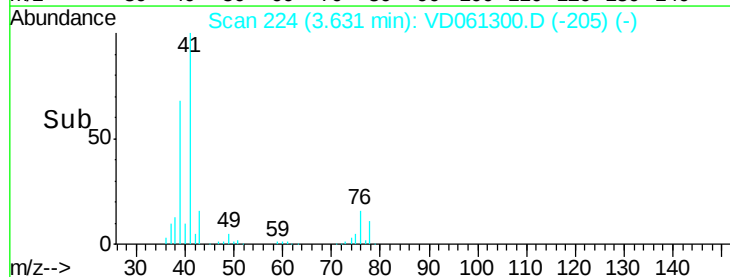
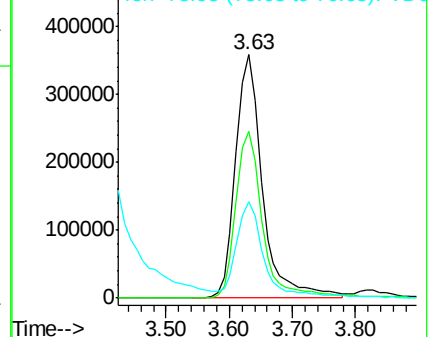
76 39.8 30.2 45.2

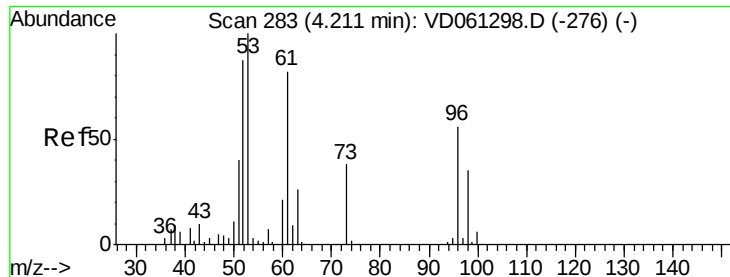


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 536.777 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

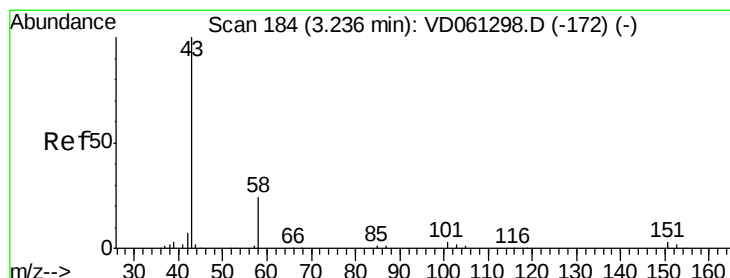
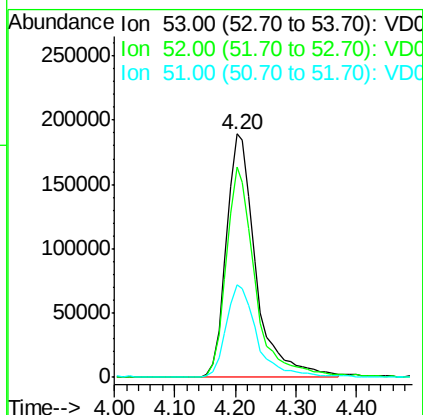
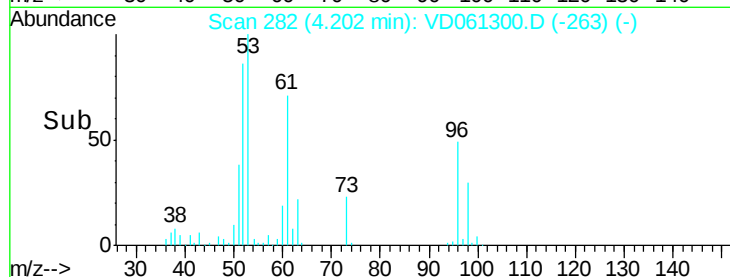
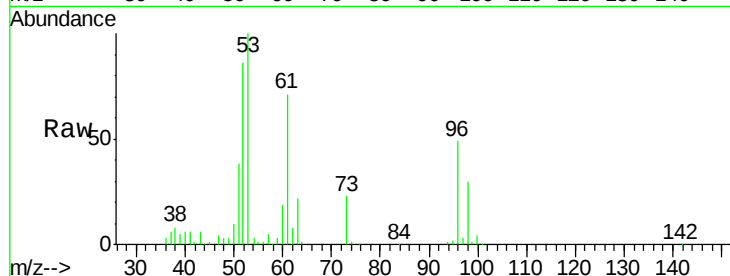
Tgt Ion: 53 Resp: 641641

Ion Ratio Lower Upper

53 100

52 86.5 69.4 104.2

51 38.1 31.7 47.5



#16

Acetone

Concen: 574.567 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD061300.D

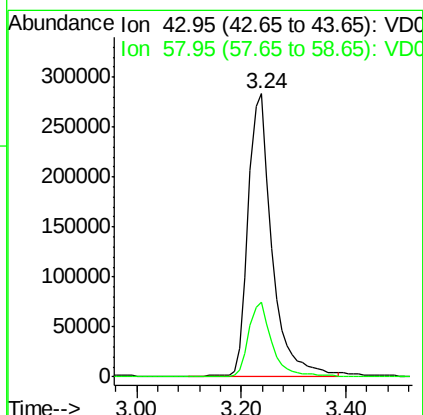
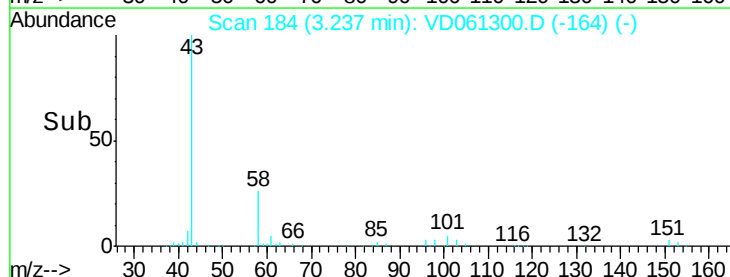
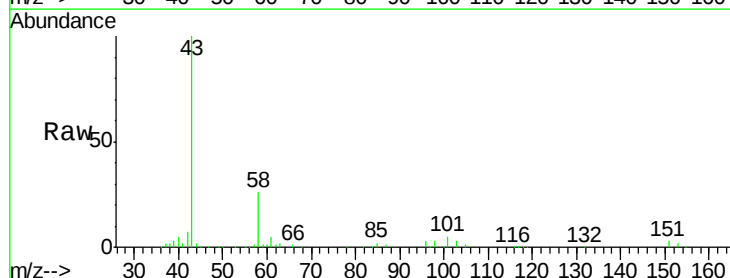
Acq: 25 Mar 2019 13:09

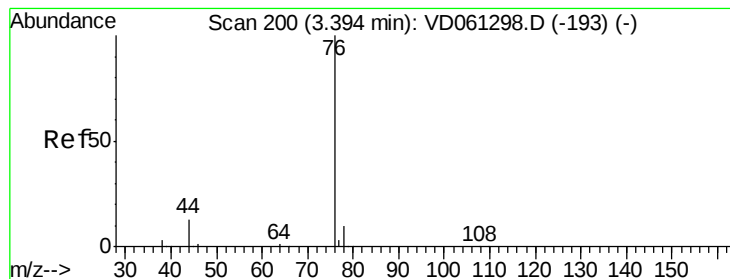
Tgt Ion: 43 Resp: 878350

Ion Ratio Lower Upper

43 100

58 26.3 19.4 29.0





#17

Carbon Disulfide

Concen: 107.662 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

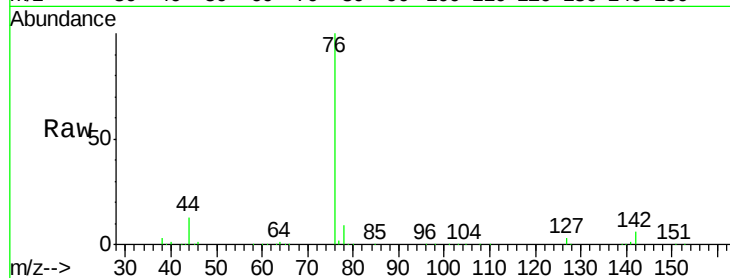
VSTDIC100

Tgt Ion: 76 Resp: 2557562

Ion Ratio Lower Upper

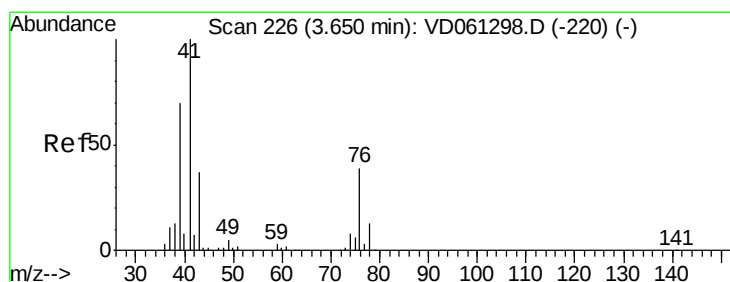
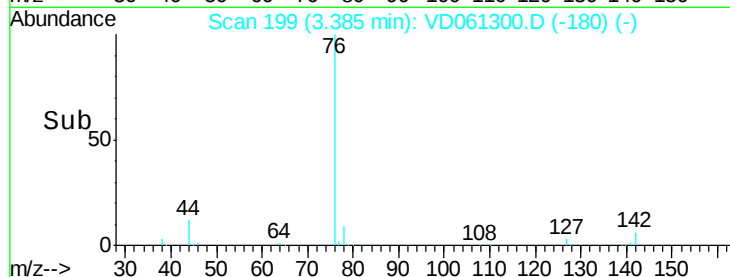
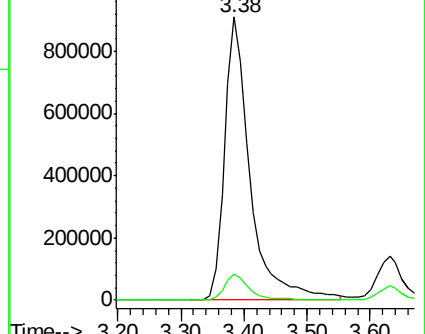
76 100

78 9.2 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 101.849 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061300.D

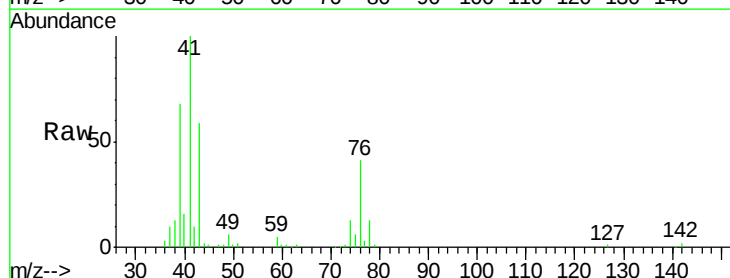
Acq: 25 Mar 2019 13:09

Tgt Ion: 43 Resp: 294031

Ion Ratio Lower Upper

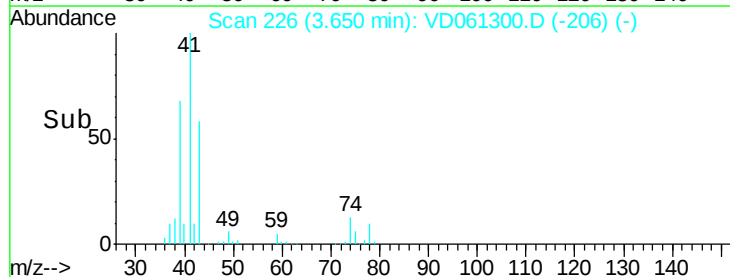
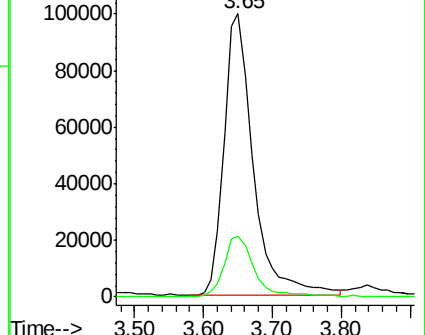
43 100

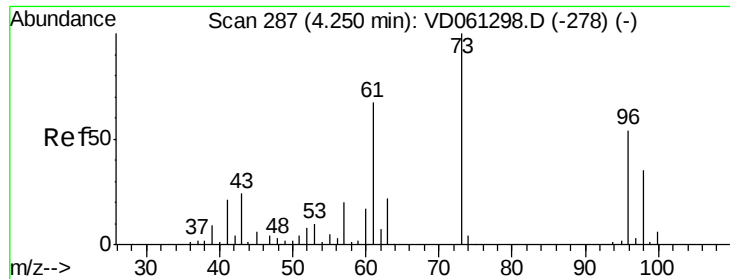
74 21.6 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

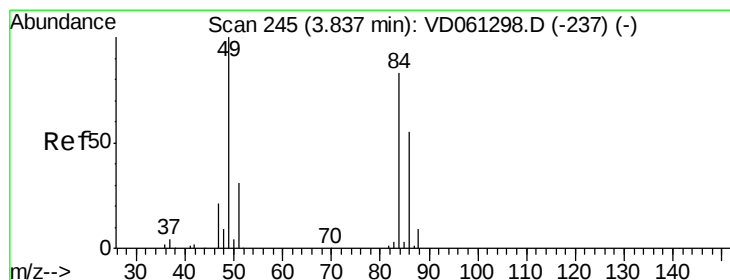
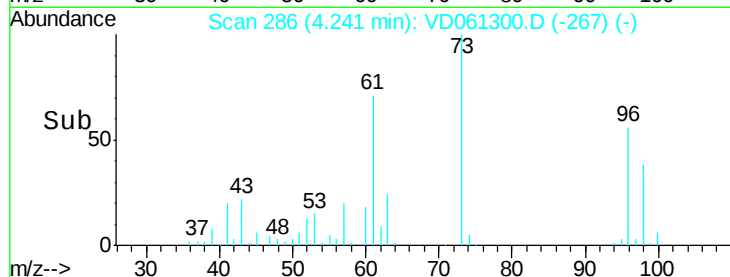
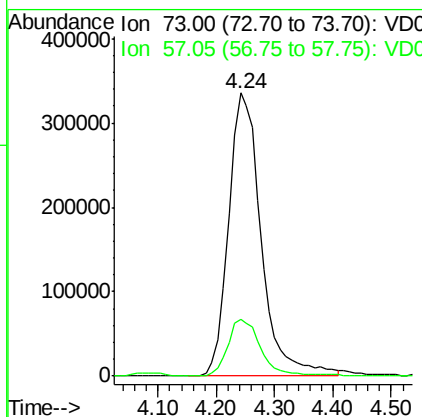
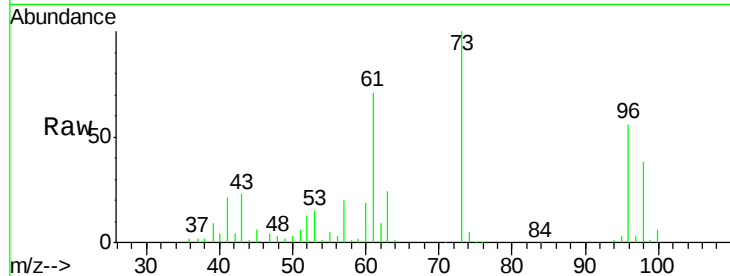




#19
Methyl tert-butyl Ether
Concen: 103.691 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

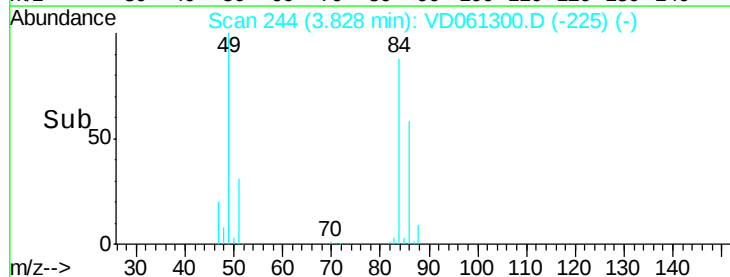
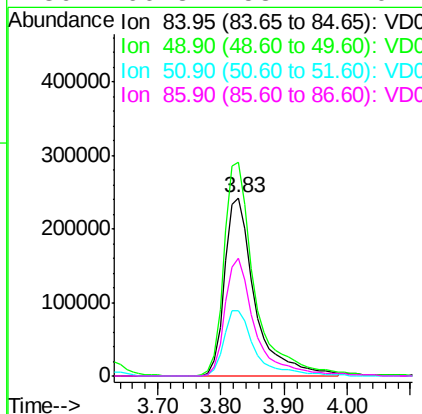
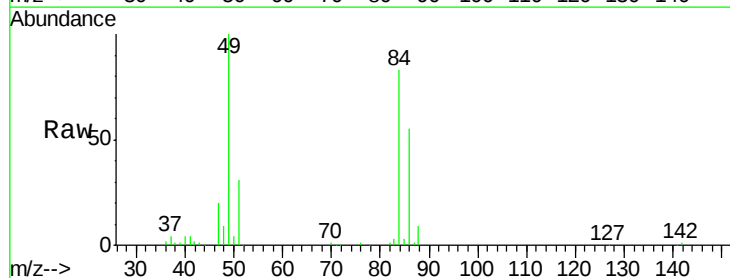
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

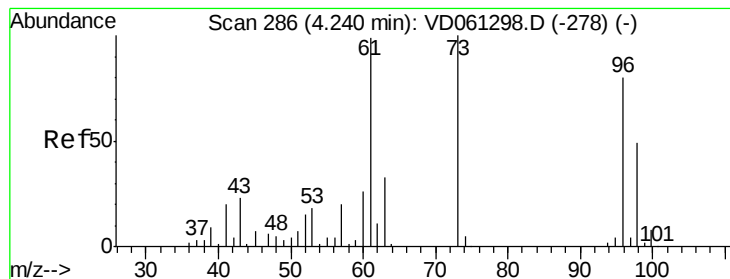
Tgt Ion: 73 Resp: 1305831
Ion Ratio Lower Upper
73 100
57 20.3 16.3 24.5



#20
Methylene Chloride
Concen: 93.484 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 84 Resp: 810398
Ion Ratio Lower Upper
84 100
49 120.0 96.8 145.2
51 37.0 29.9 44.9
86 66.3 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 101.168 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

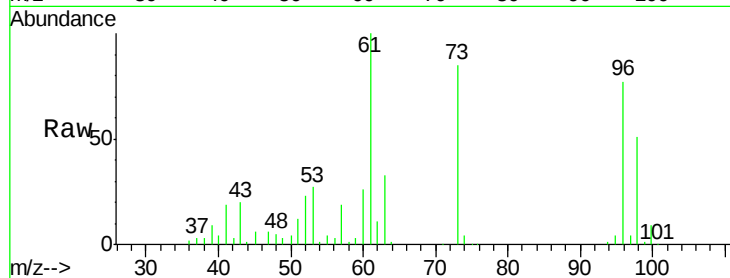
Tgt Ion: 96 Resp: 809277

Ion Ratio Lower Upper

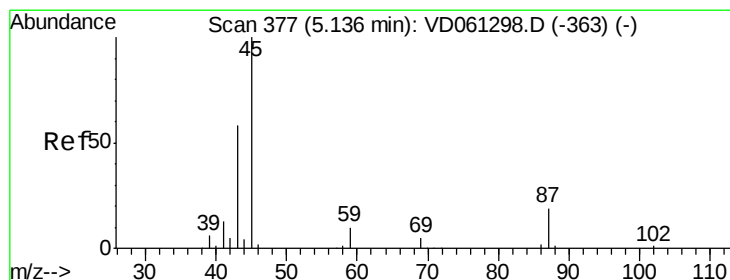
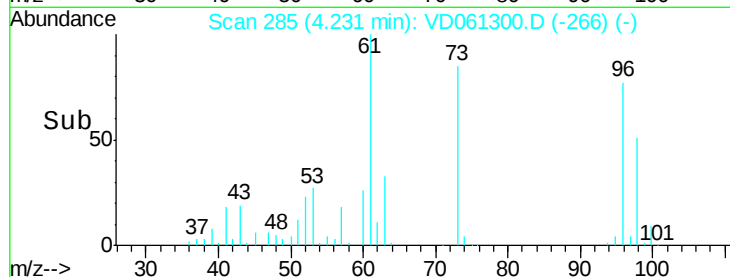
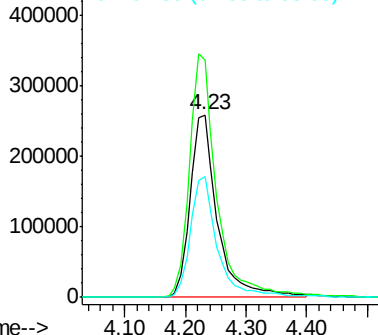
96 100

61 129.8 99.2 148.8

98 66.5 49.2 73.8



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



#22

Diisopropyl ether

Concen: 102.494 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion: 45 Resp: 2185124

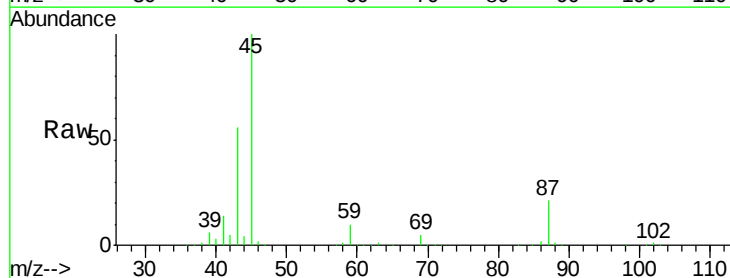
Ion Ratio Lower Upper

45 100

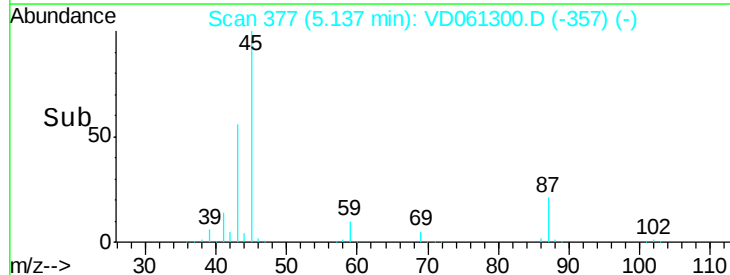
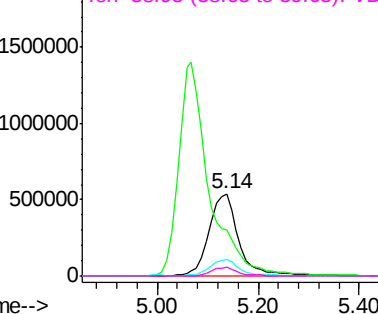
43 55.6 46.7 70.1

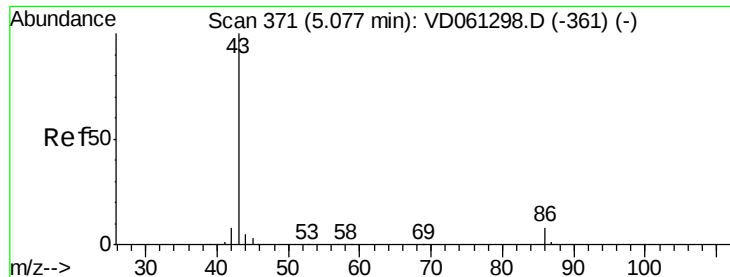
87 20.5 15.5 23.3

59 10.3 8.4 12.6



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: 516.213 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

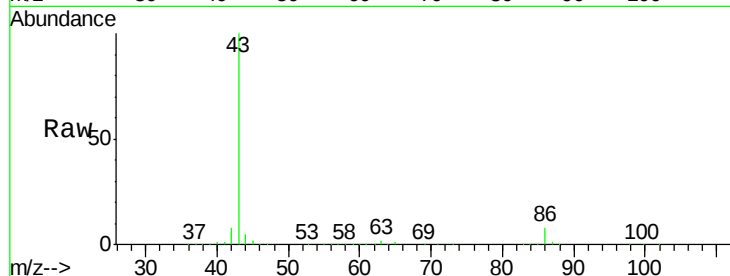
VSTDIC100

Tgt Ion: 43 Resp: 5875177

Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

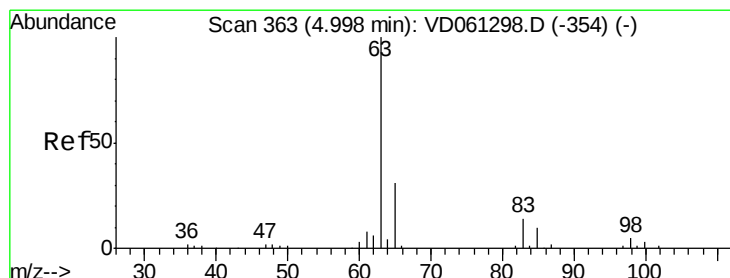
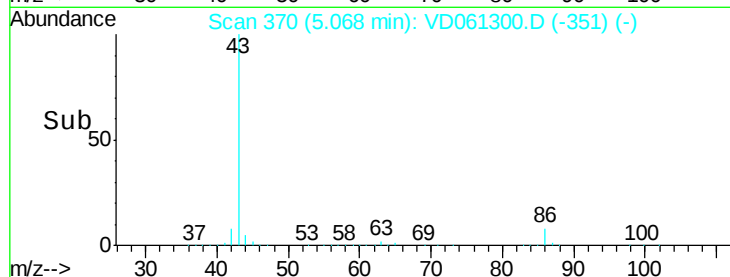
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 106.063 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

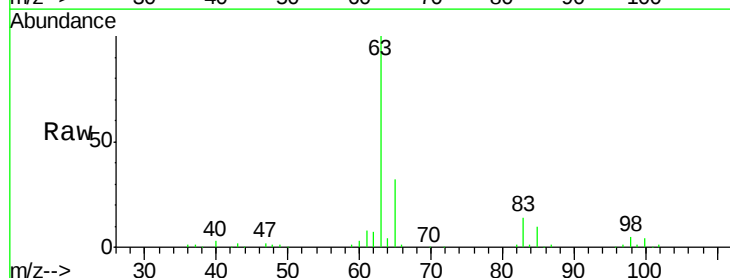
Tgt Ion: 63 Resp: 1319648

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.8 1.6 4.8



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

5.00

400000

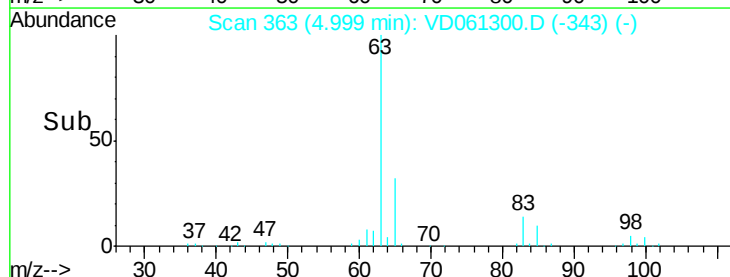
300000

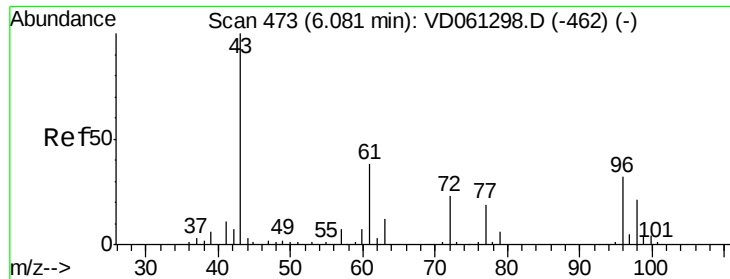
200000

100000

0

Time-->





#25

2-Butanone

Concen: 538.192 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

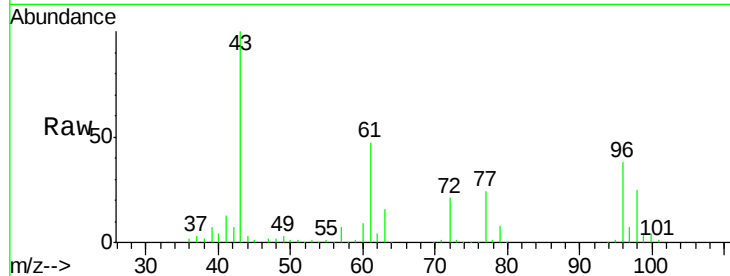
VSTDIC100

Tgt Ion: 43 Resp: 950704

Ion Ratio Lower Upper

43 100

72 21.3 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

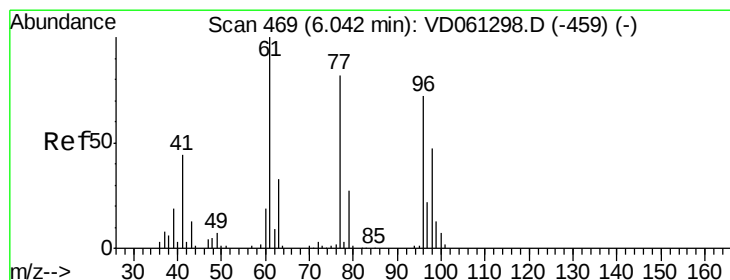
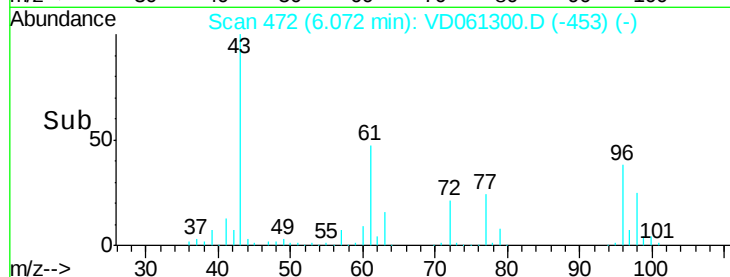
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 98.500 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061300.D

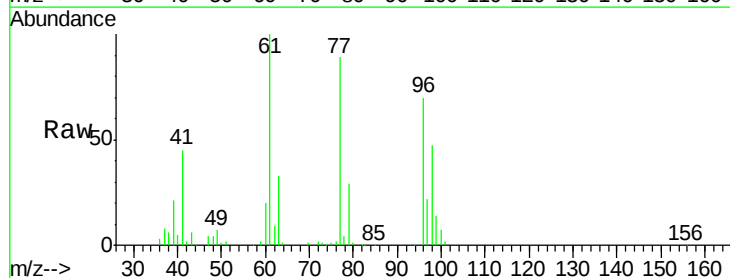
Acq: 25 Mar 2019 13:09

Tgt Ion: 77 Resp: 1039423

Ion Ratio Lower Upper

77 100

97 25.3 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

300000

250000

200000

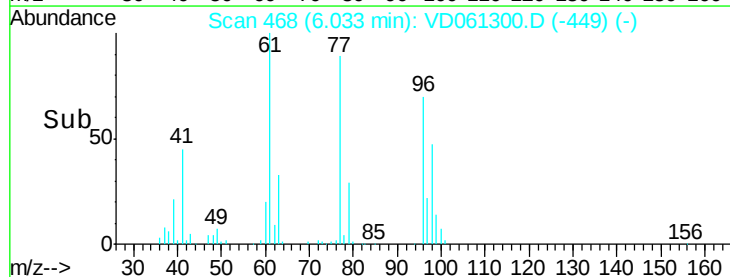
150000

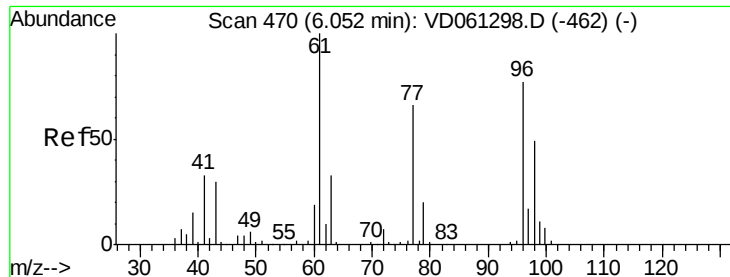
100000

50000

0

Time--> 5.90 6.00 6.10 6.20



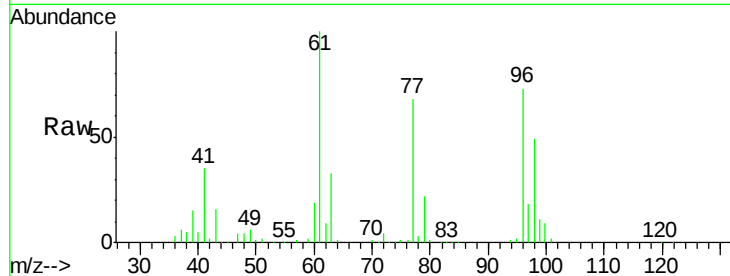


#27

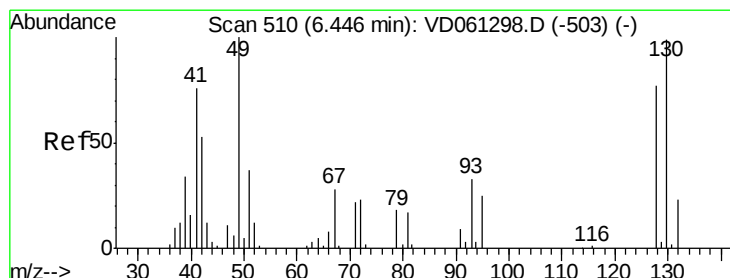
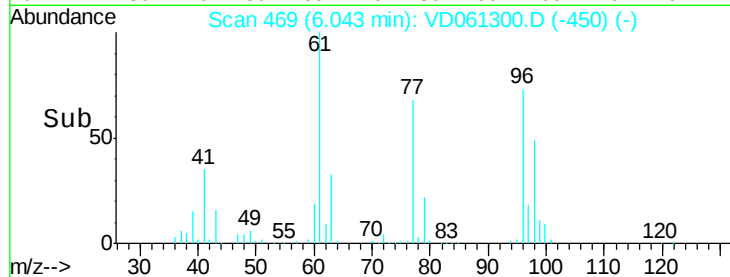
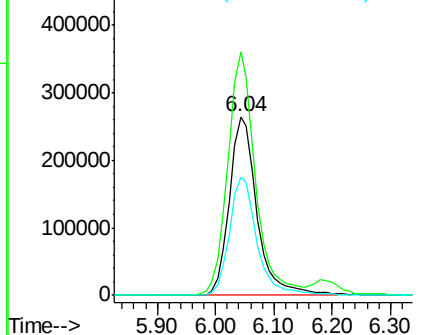
cis-1,2-Dichloroethene
Concen: 101.656 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 874433
Ion Ratio Lower Upper
96 100
61 136.5 0.0 261.0
98 66.4 0.0 127.6



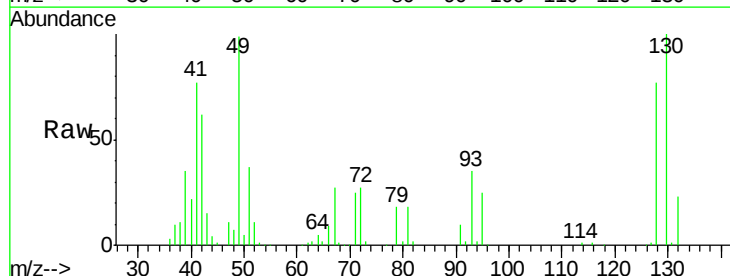
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



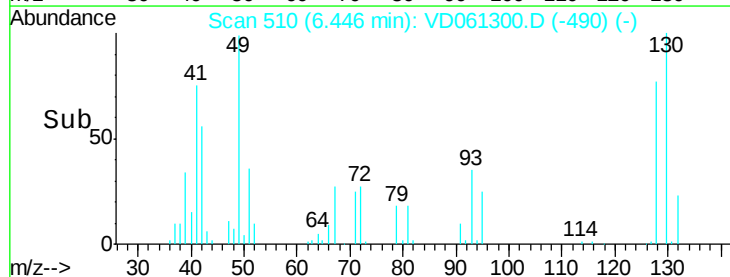
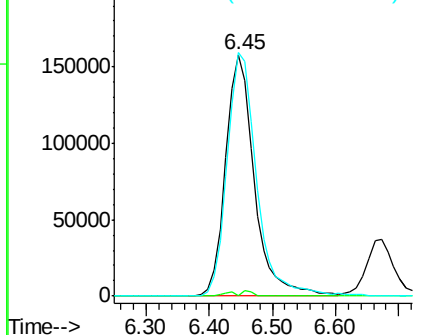
#28

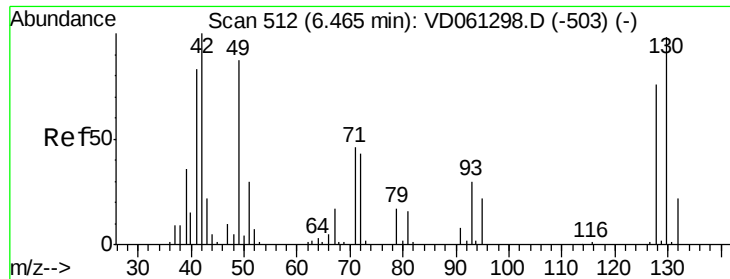
Bromochloromethane
Concen: 95.795 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 49 Resp: 498930
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 100.8 79.0 118.6



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: 530.387 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

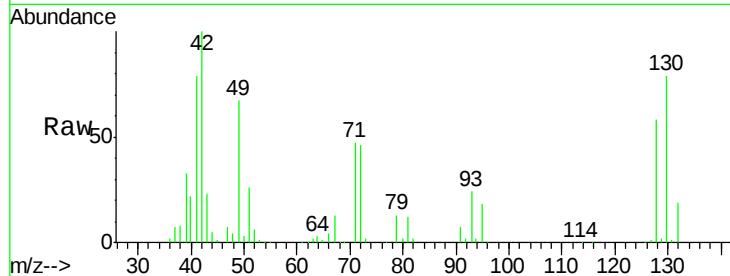
Tgt Ion: 42 Resp: 466351

Ion Ratio Lower Upper

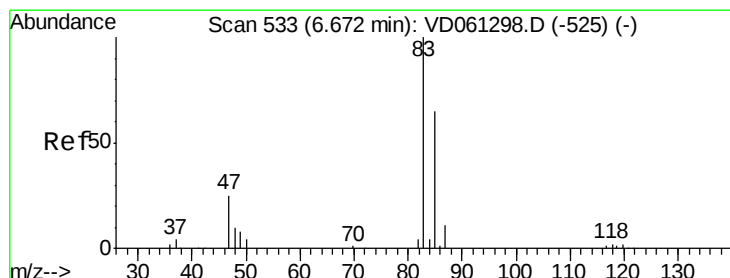
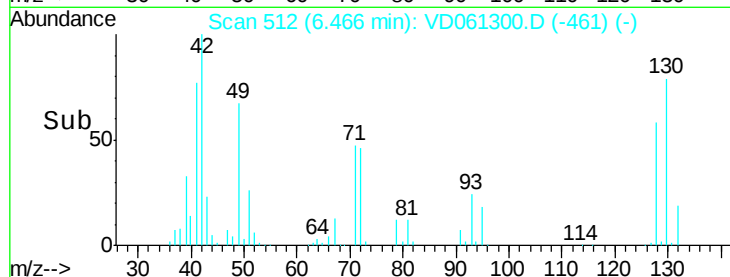
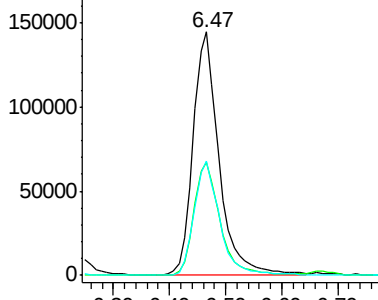
42 100

72 46.9 36.6 54.8

71 46.3 36.3 54.5



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: 103.633 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061300.D

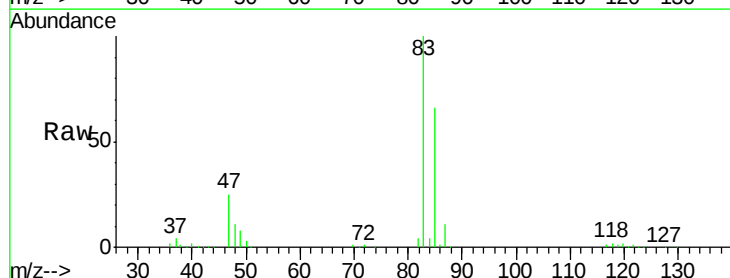
Acq: 25 Mar 2019 13:09

Tgt Ion: 83 Resp: 1374787

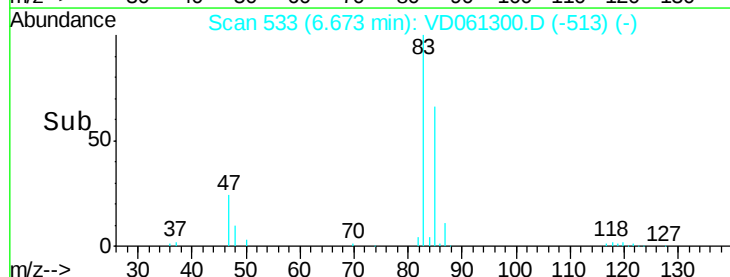
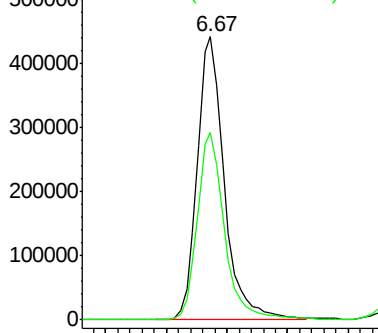
Ion Ratio Lower Upper

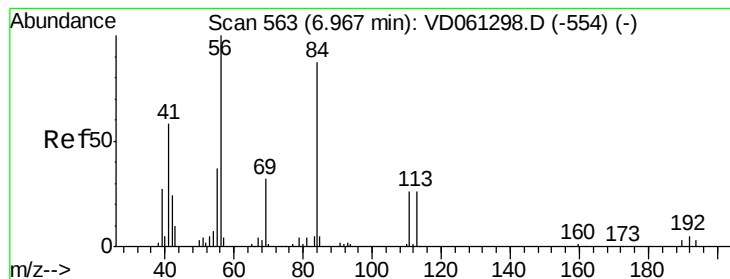
83 100

85 66.1 52.2 78.2



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





#31

Cyclohexane

Concen: 100.469 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

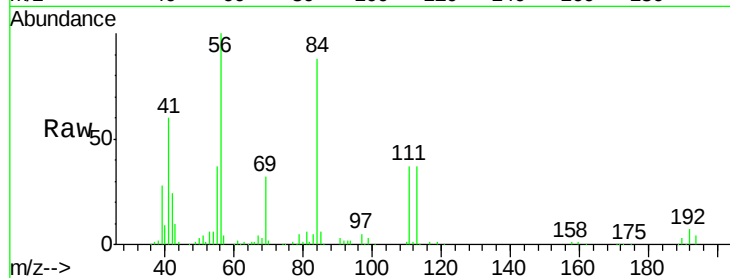
Tgt Ion: 56 Resp: 1014638

Ion Ratio Lower Upper

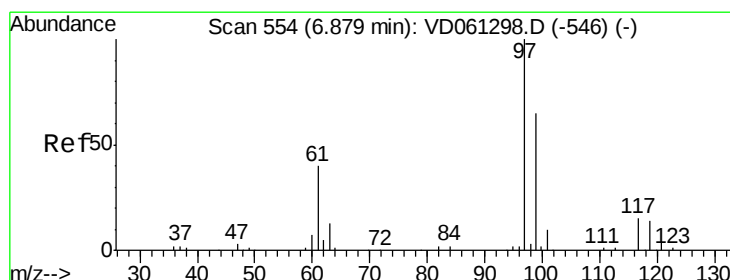
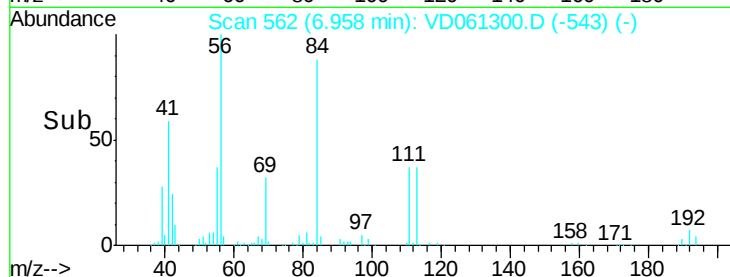
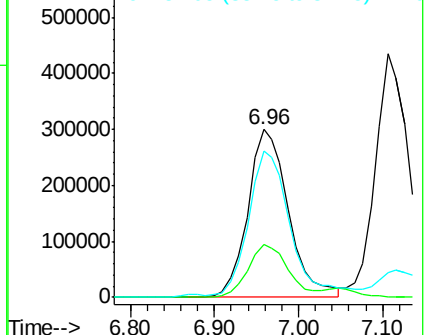
56 100

69 31.7 25.5 38.3

84 87.6 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 96.594 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

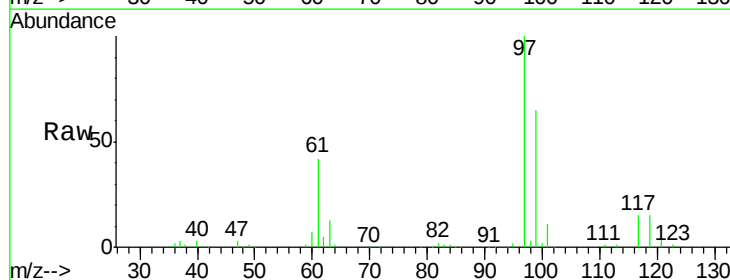
Tgt Ion: 97 Resp: 1134667

Ion Ratio Lower Upper

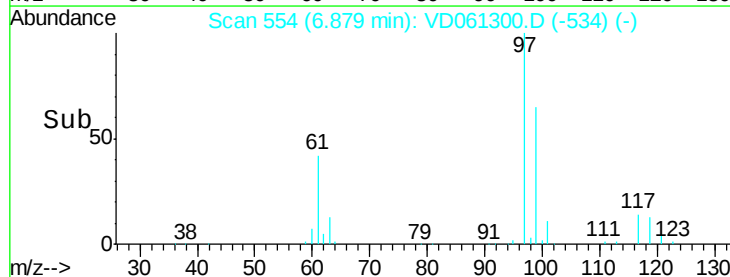
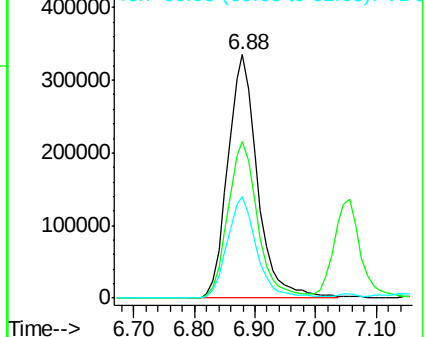
97 100

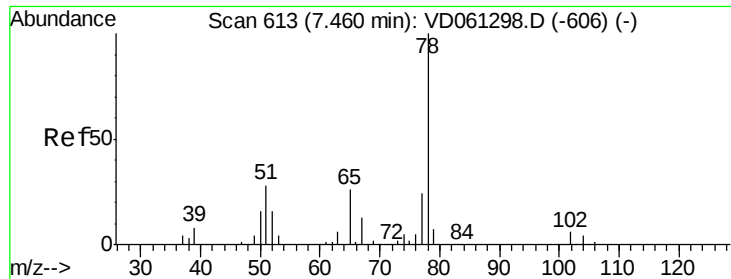
99 64.5 51.8 77.6

61 41.6 31.9 47.9



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: 96.594 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

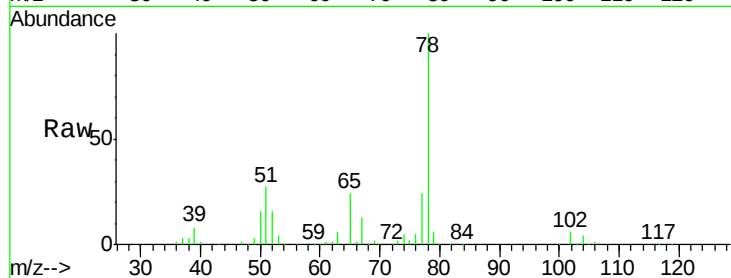
VSTDIC100

Tgt Ion: 65 Resp: 603484

Ion Ratio Lower Upper

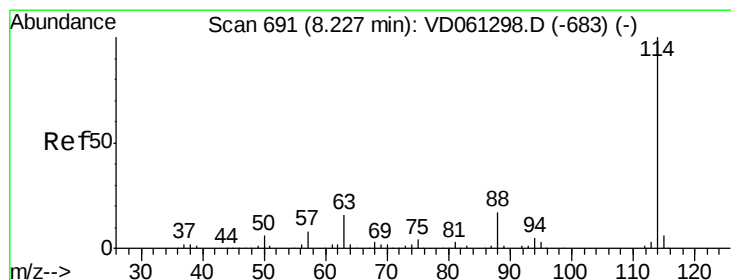
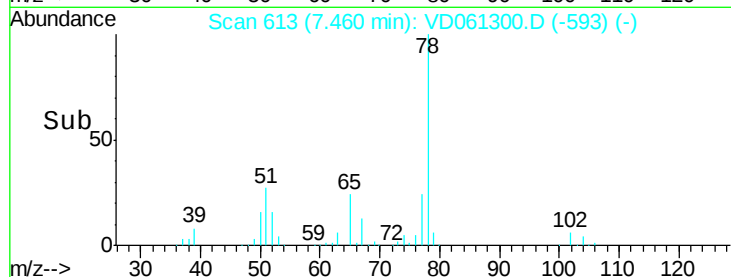
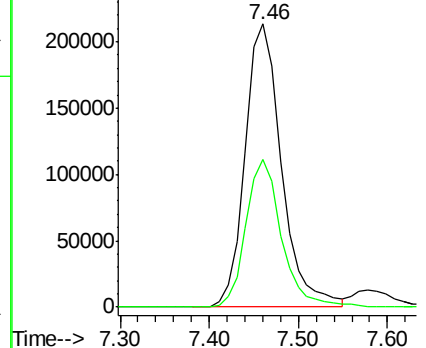
65 100

67 52.1 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

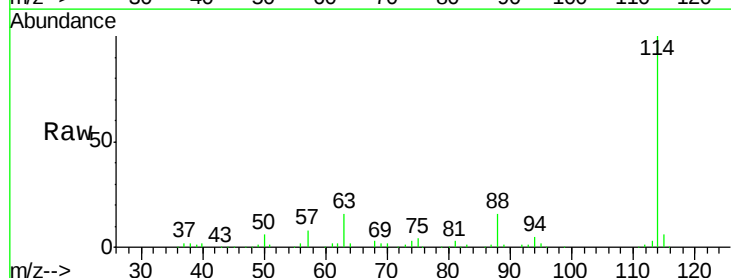
Tgt Ion: 114 Resp: 1272922

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

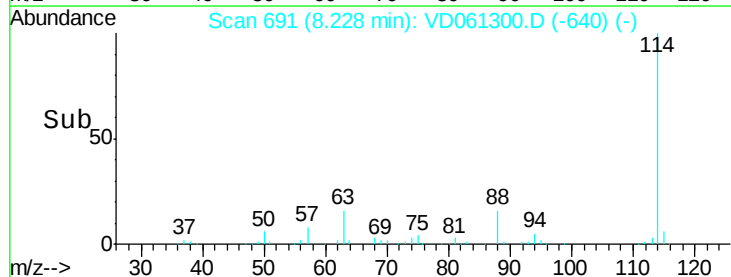
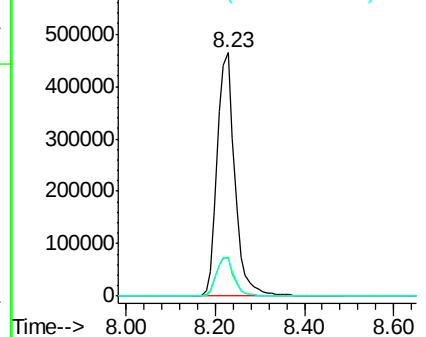
88 15.6 0.0 33.2

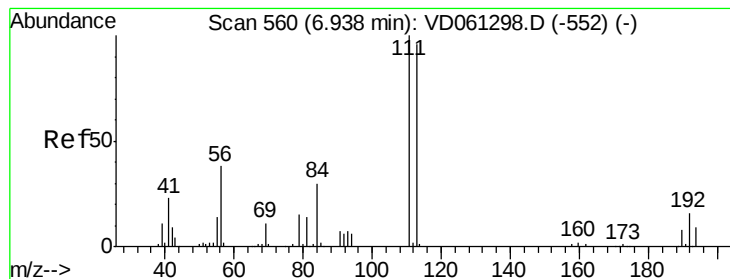


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

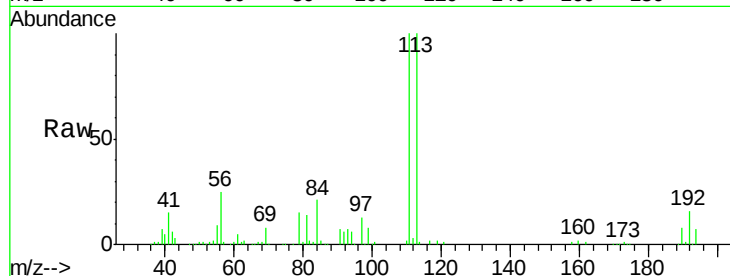
Tgt Ion:113 Resp: 896193

Ion Ratio Lower Upper

113 100

111 100.3 83.7 125.5

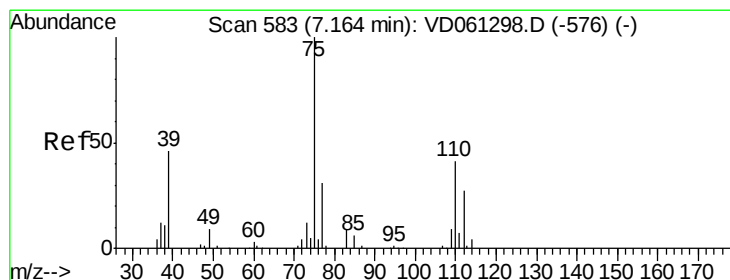
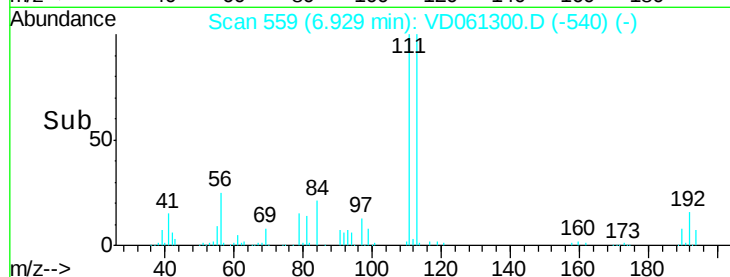
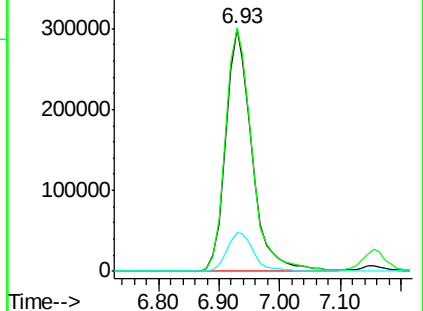
192 16.2 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 98.838 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

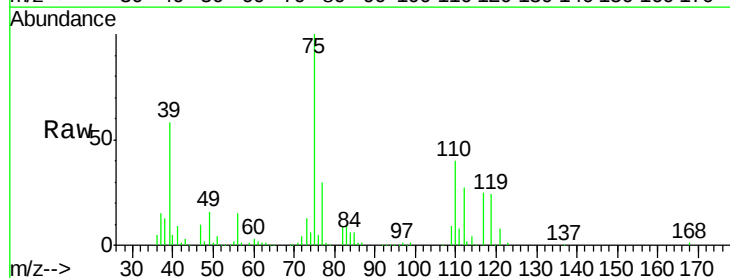
Tgt Ion: 75 Resp: 1028983

Ion Ratio Lower Upper

75 100

110 40.3 20.1 60.2

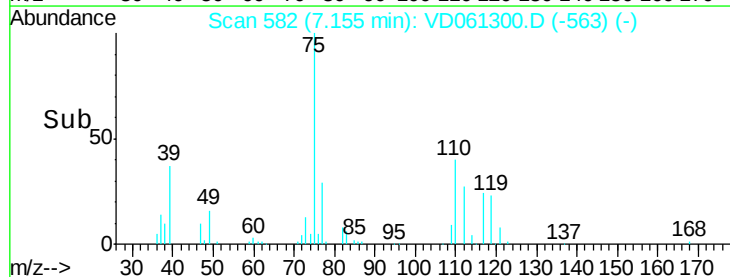
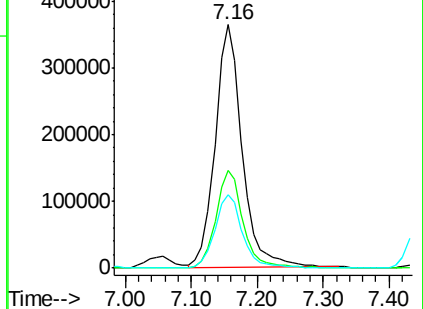
77 30.1 24.3 36.5

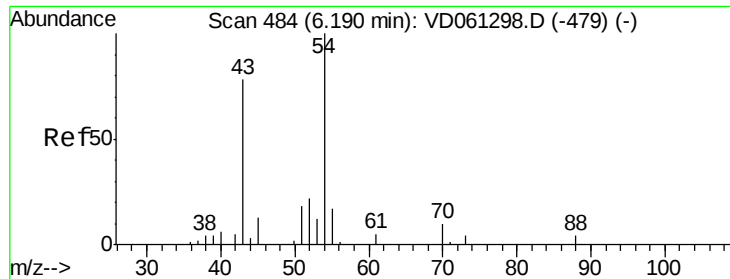


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

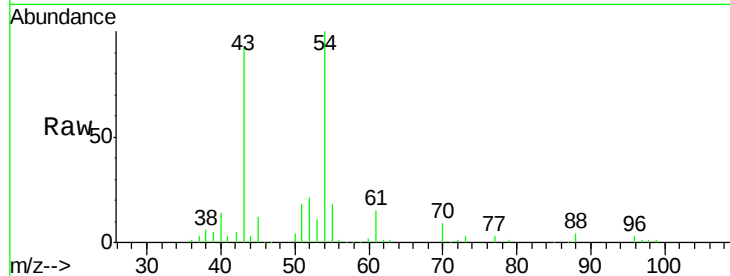




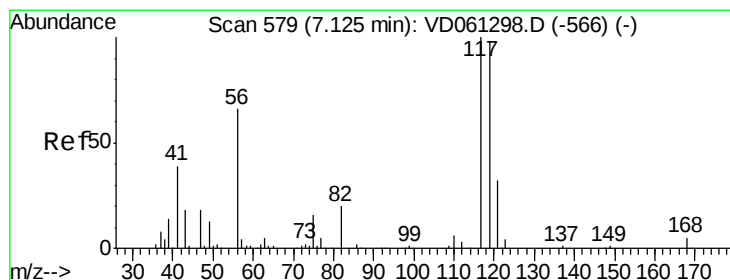
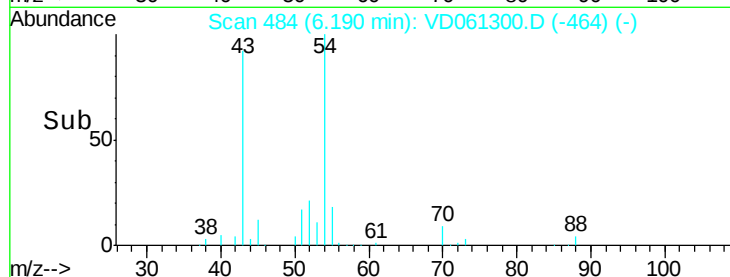
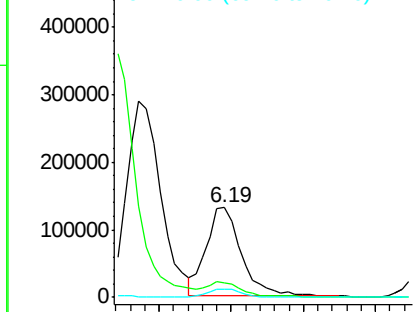
#37
Ethyl Acetate
Concen: 102.443 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 444177
Ion Ratio Lower Upper
43 100
61 16.4 12.6 19.0
70 9.6 8.2 12.4

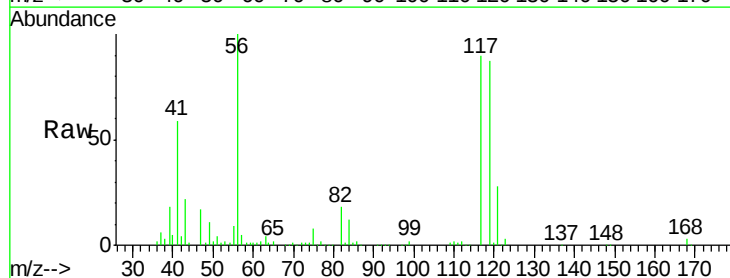


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

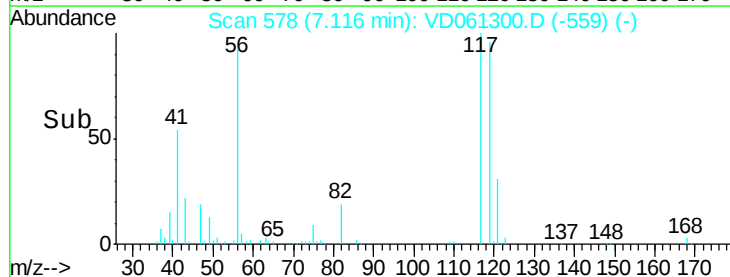
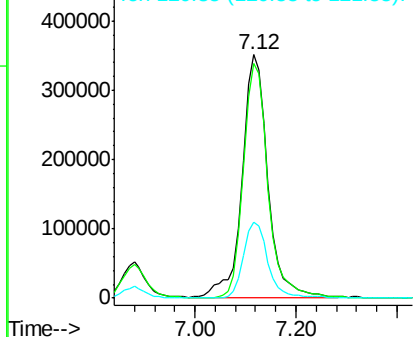


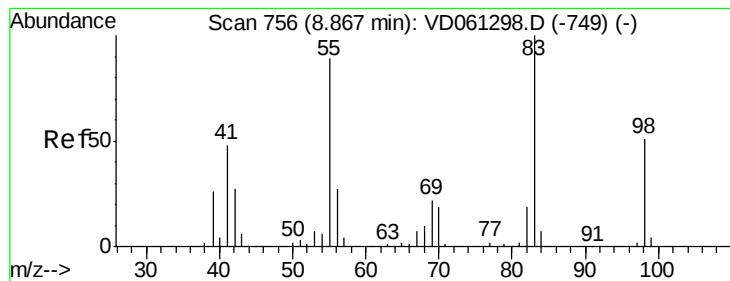
#38
Carbon Tetrachloride
Concen: 99.888 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 117 Resp: 1229118
Ion Ratio Lower Upper
117 100
119 96.5 78.4 117.6
121 31.2 25.1 37.7



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





#39

Methylcyclohexane

Concen: 98.592 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

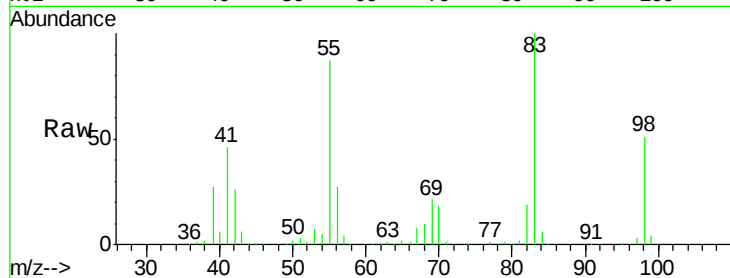
Tgt Ion: 83 Resp: 1063952

Ion Ratio Lower Upper

83 100

55 87.3 71.3 106.9

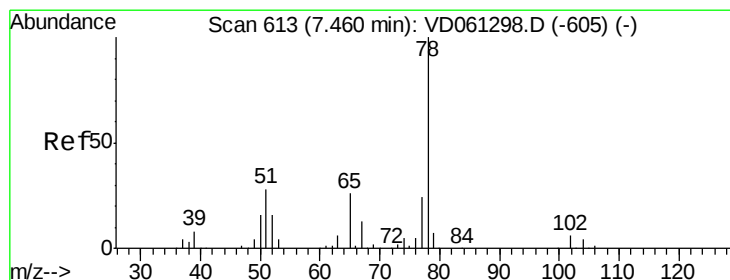
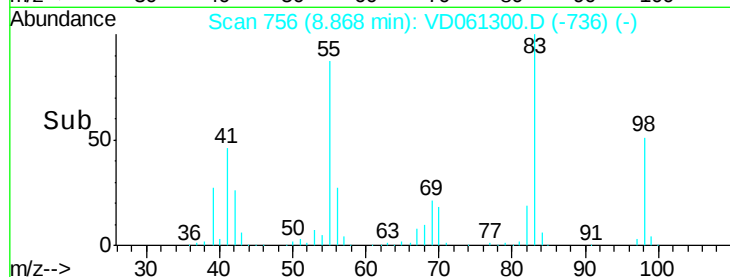
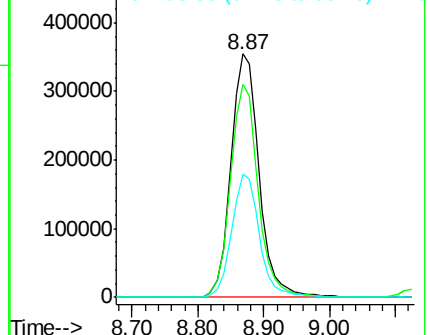
98 50.6 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 101.161 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061300.D

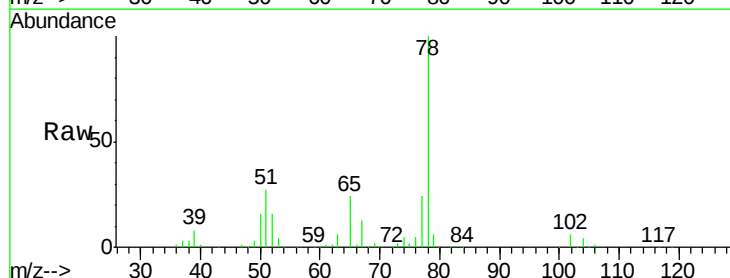
Acq: 25 Mar 2019 13:09

Tgt Ion: 78 Resp: 2618207

Ion Ratio Lower Upper

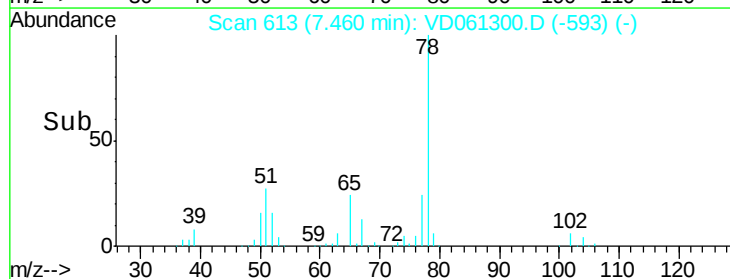
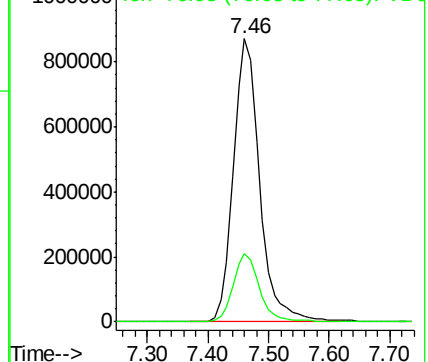
78 100

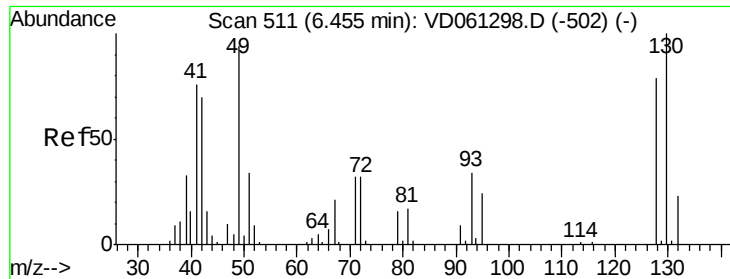
77 24.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 99.942 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 505308

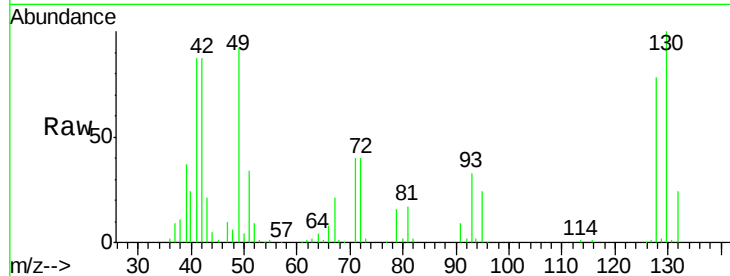
Ion Ratio Lower Upper

41 100

39 41.8 34.2 51.2

67 24.0 21.8 32.6

52 10.0 9.0 13.4

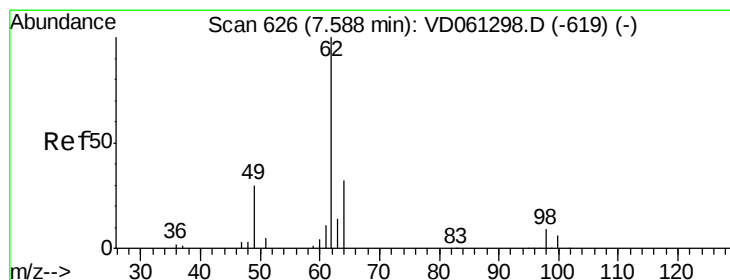
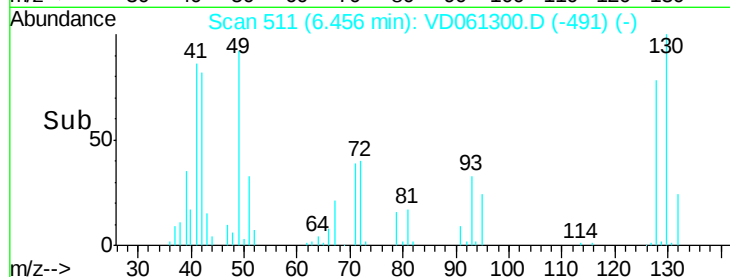
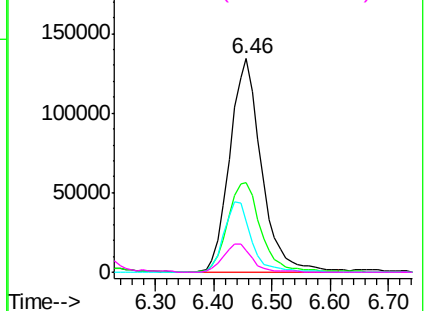


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 106.321 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD061300.D

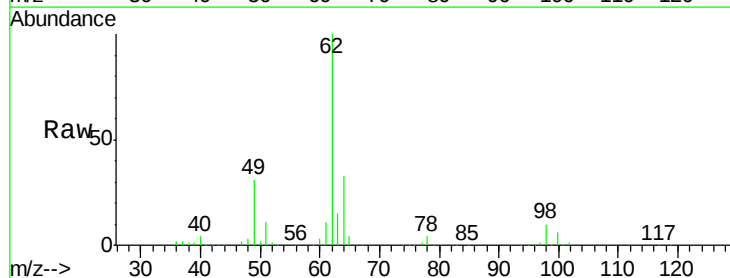
Acq: 25 Mar 2019 13:09

Tgt Ion: 62 Resp: 857471

Ion Ratio Lower Upper

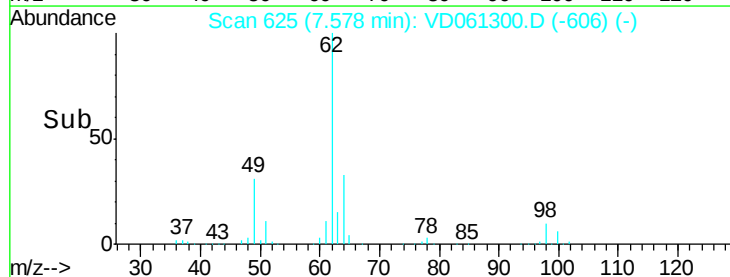
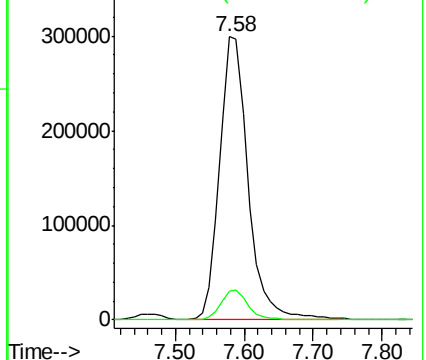
62 100

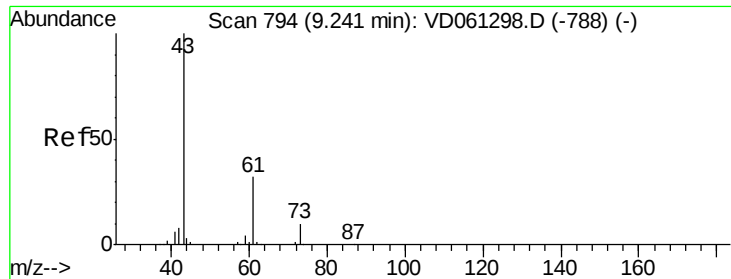
98 10.1 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 109.659 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

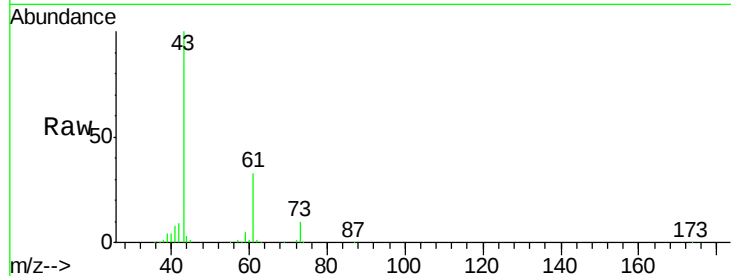
Tgt Ion: 43 Resp: 687798

Ion Ratio Lower Upper

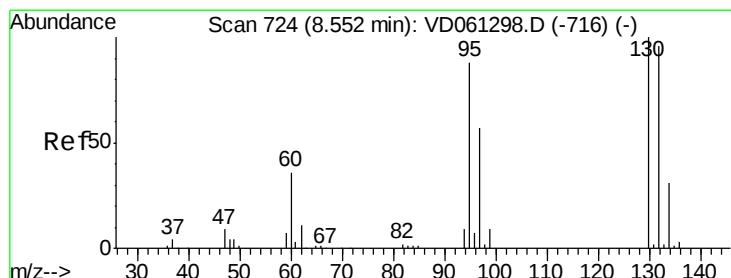
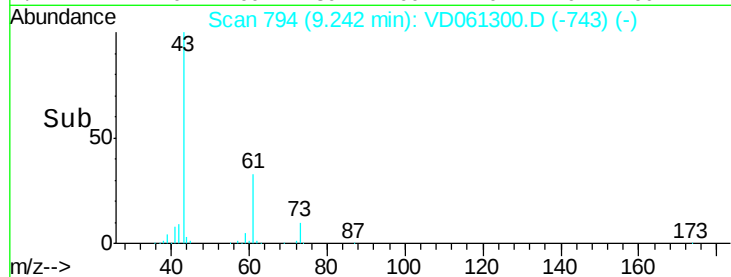
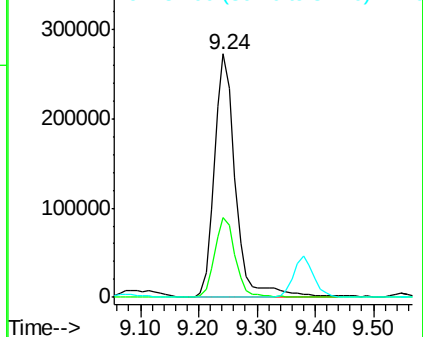
43 100

61 32.8 25.8 38.8

87 0.3 0.3 0.5#



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: 106.222 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061300.D

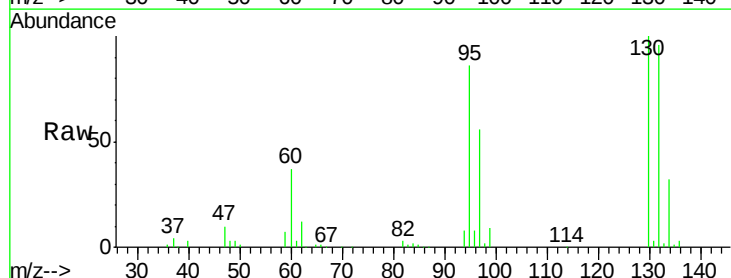
Acq: 25 Mar 2019 13:09

Tgt Ion: 130 Resp: 993623

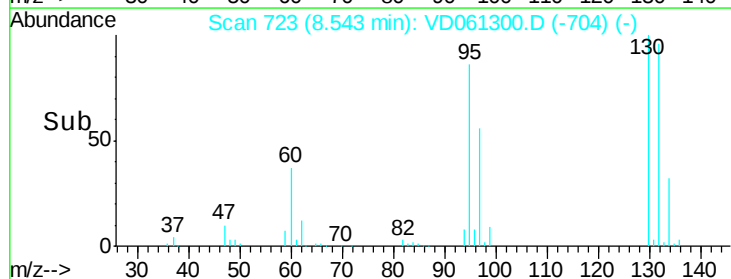
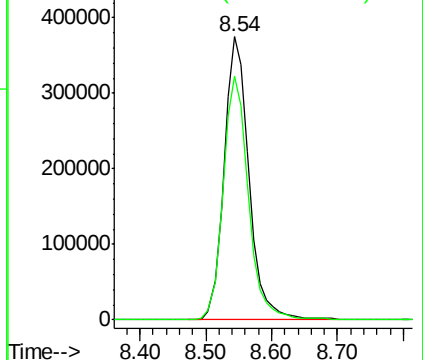
Ion Ratio Lower Upper

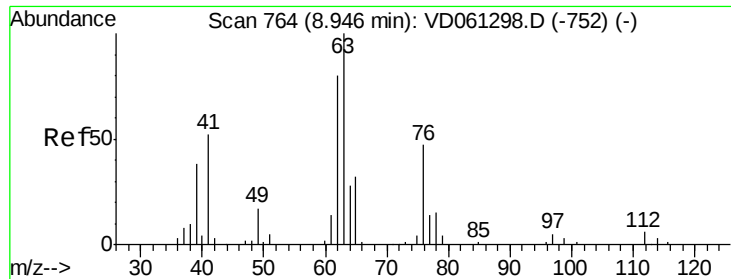
130 100

95 86.3 0.0 175.0



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





#45

1,2-Dichloropropane

Concen: 104.801 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

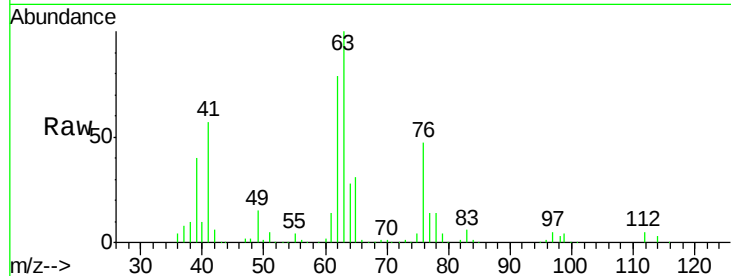
VSTDIC100

Tgt Ion: 63 Resp: 669021

Ion Ratio Lower Upper

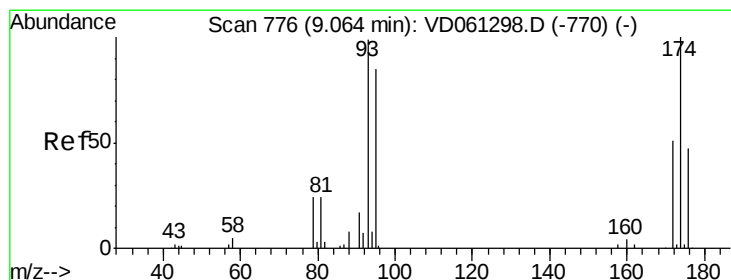
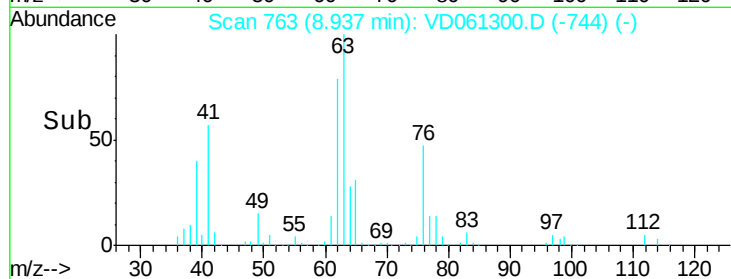
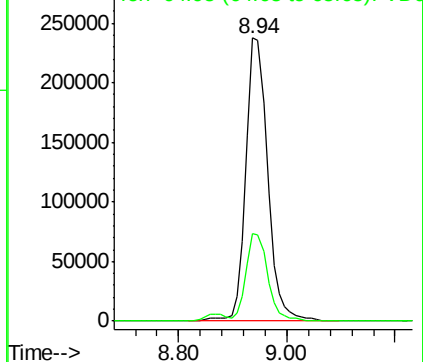
63 100

65 30.8 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 107.711 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

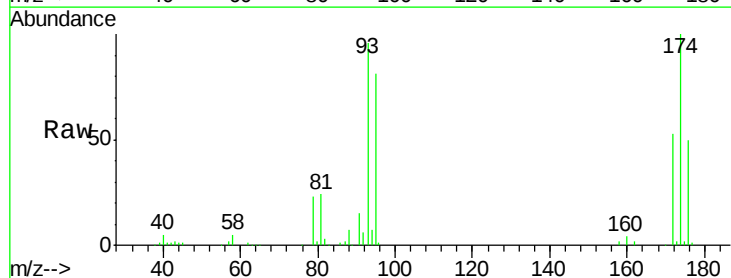
Tgt Ion: 93 Resp: 471445

Ion Ratio Lower Upper

93 100

95 84.2 68.1 102.1

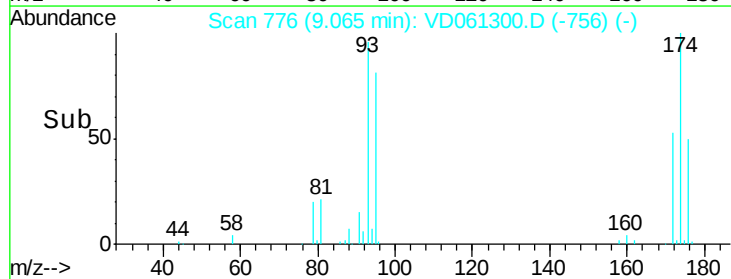
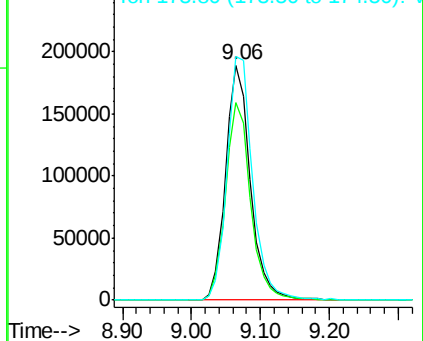
174 103.8 80.4 120.6

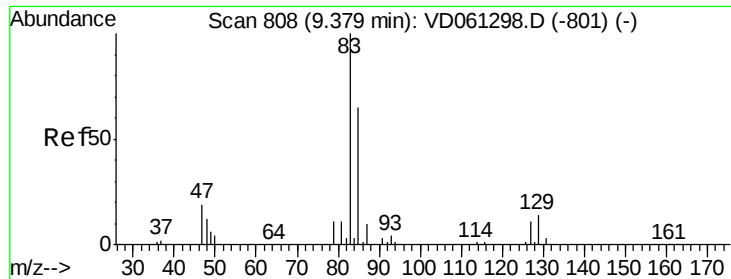


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 105.395 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

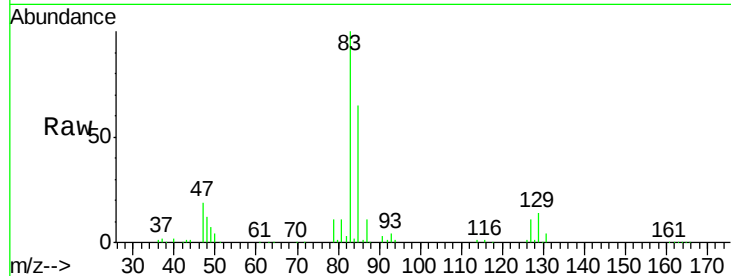
Tgt Ion: 83 Resp: 1081049

Ion Ratio Lower Upper

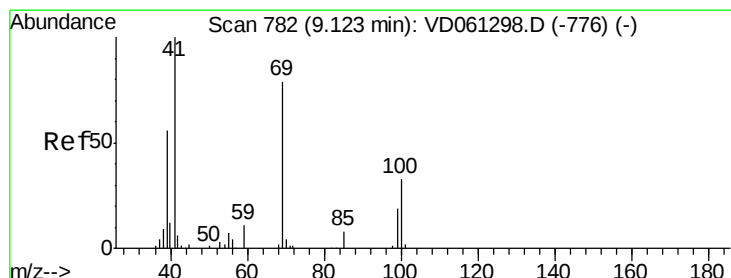
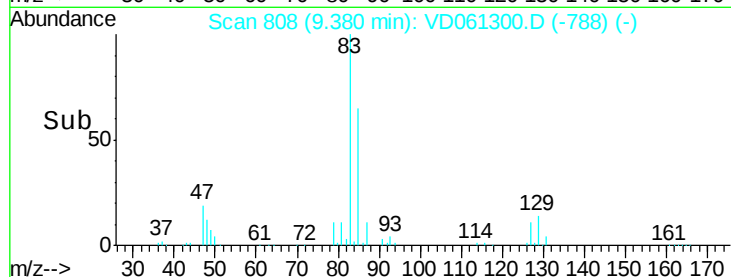
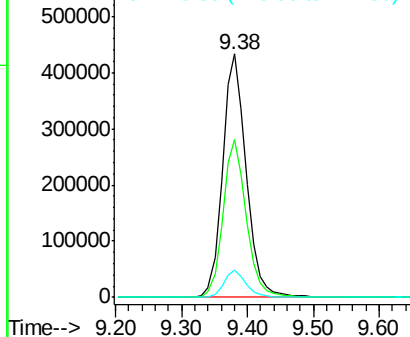
83 100

85 64.9 51.7 77.5

127 11.0 8.8 13.2



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



#48

Methyl methacrylate

Concen: 115.538 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

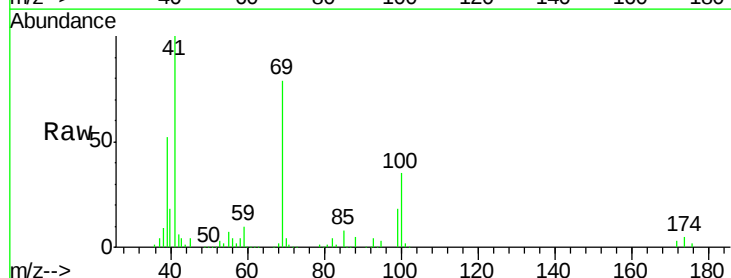
Tgt Ion: 41 Resp: 386783

Ion Ratio Lower Upper

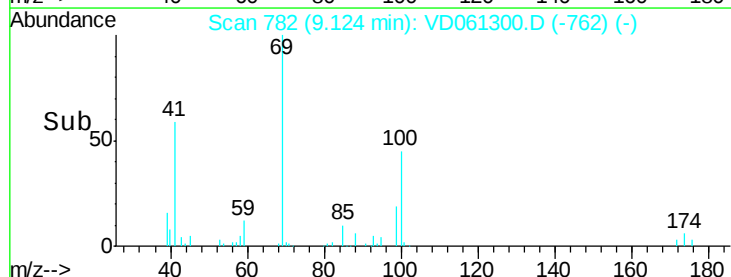
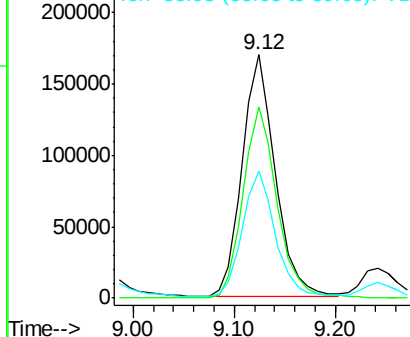
41 100

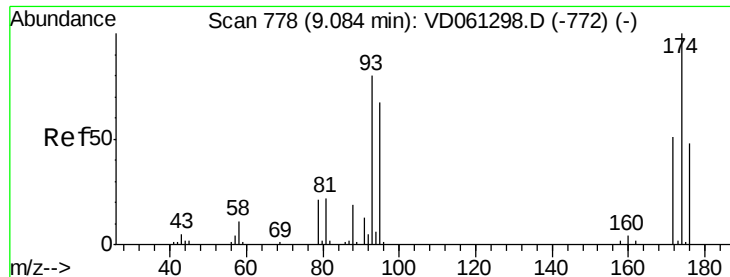
69 78.6 62.4 93.6

39 52.3 44.9 67.3



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: 2380.251 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

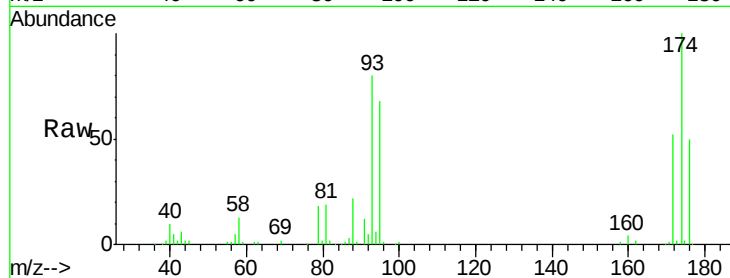
Tgt Ion: 88 Resp: 87428

Ion Ratio Lower Upper

88 100

43 26.5 20.7 31.1

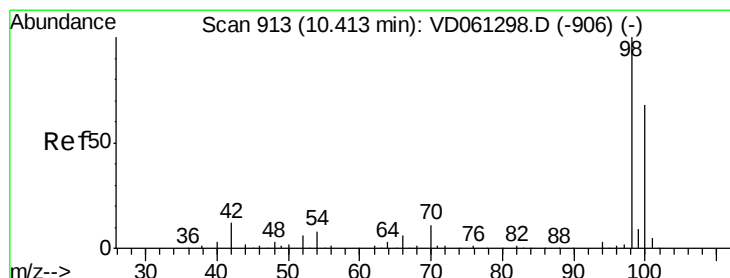
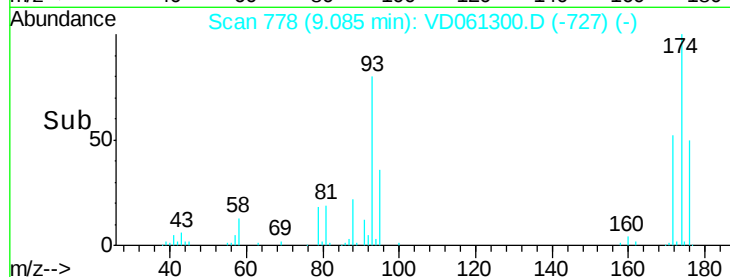
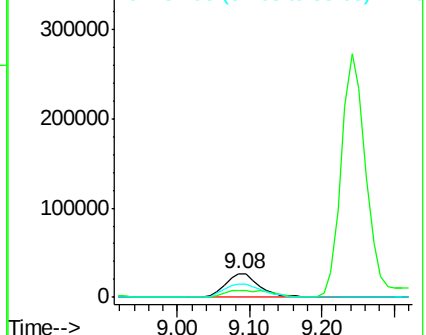
58 58.4 44.9 67.3



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: 2380.251 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061300.D

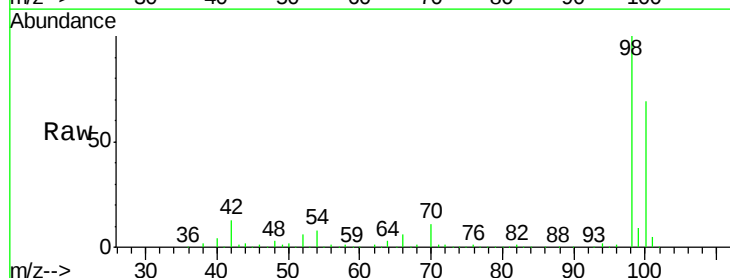
Acq: 25 Mar 2019 13:09

Tgt Ion: 98 Resp: 2064816

Ion Ratio Lower Upper

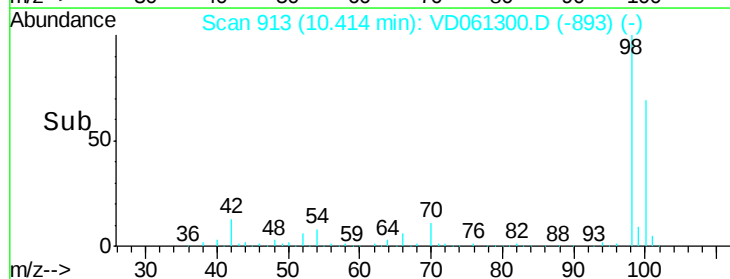
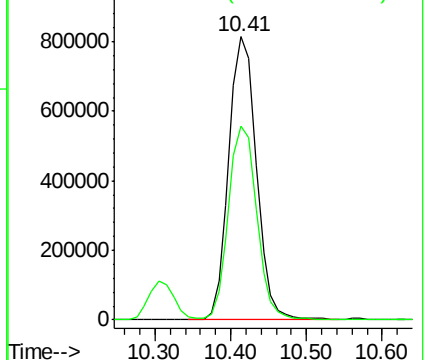
98 100

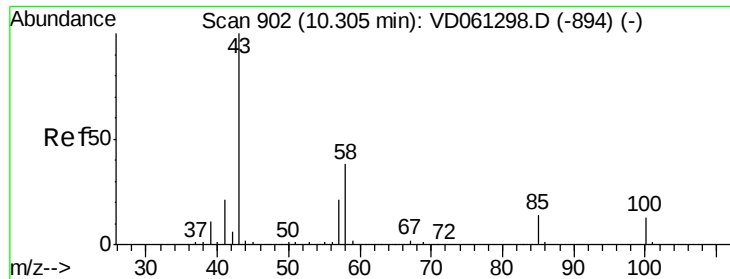
100 68.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

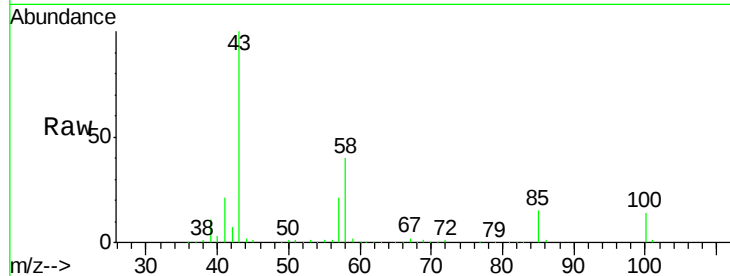




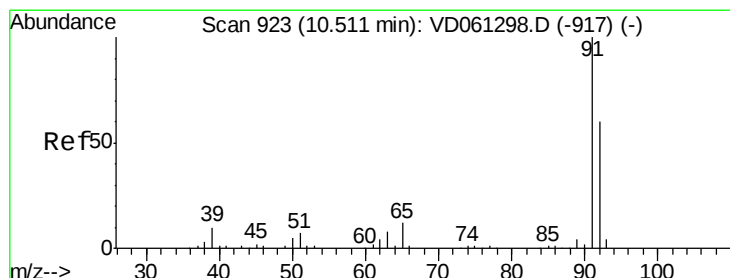
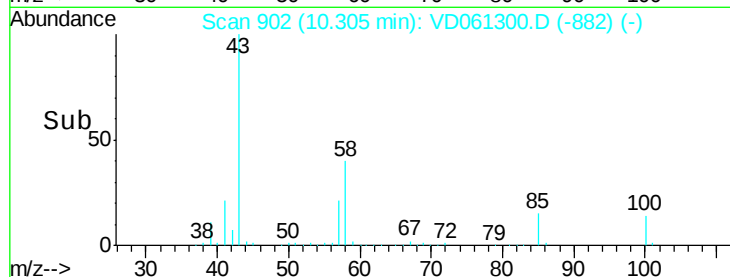
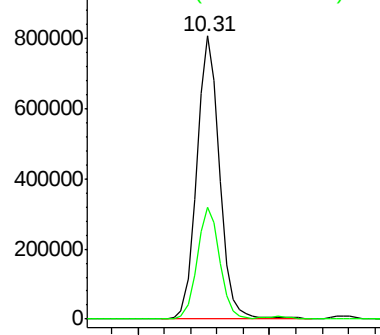
#51
 4-Methyl-2-Pentanone
 Concen: 524.192 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 1957210
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.6 45.8

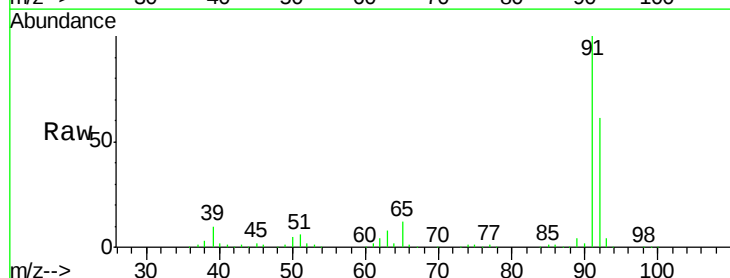


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

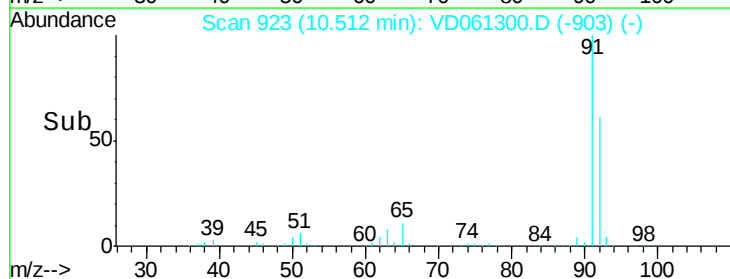
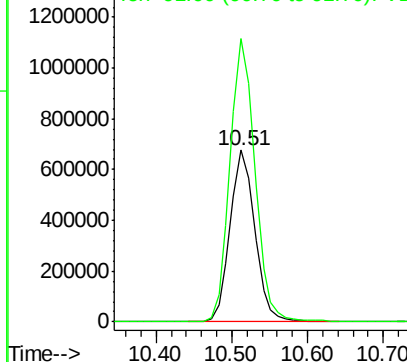


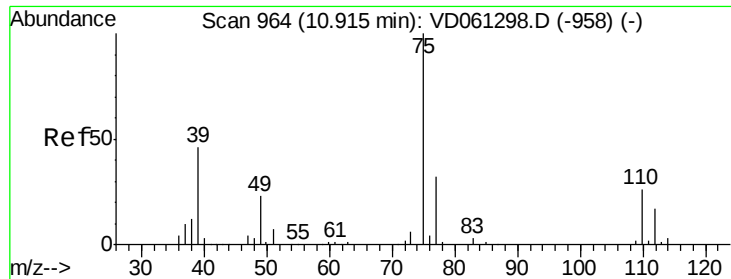
#52
 Toluene
 Concen: 97.077 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 92 Resp: 1536357
 Ion Ratio Lower Upper
 92 100
 91 164.8 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

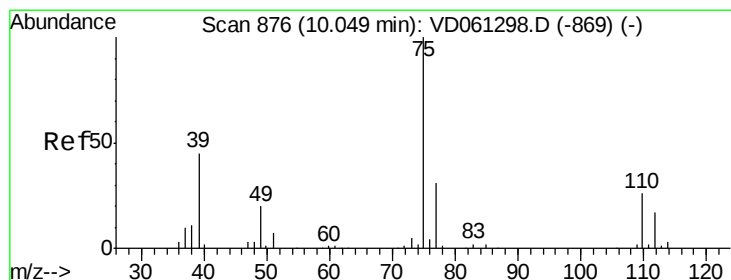
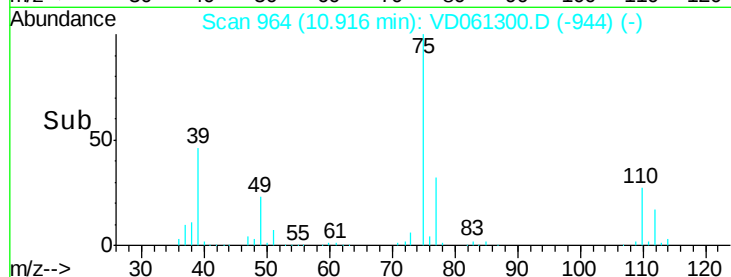
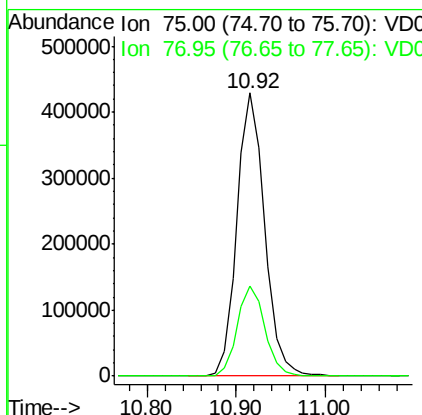
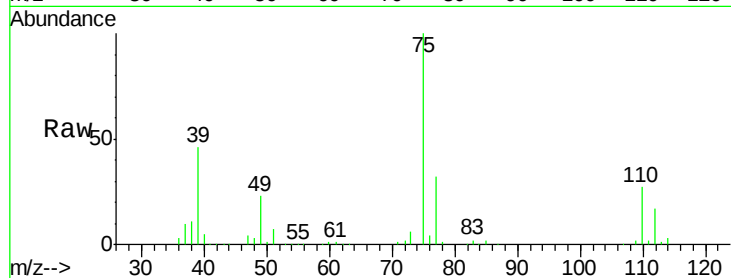




#53
 t-1,3-Dichloropropene
 Concen: 104.257 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

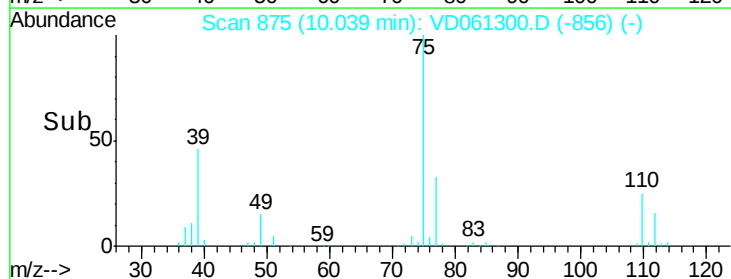
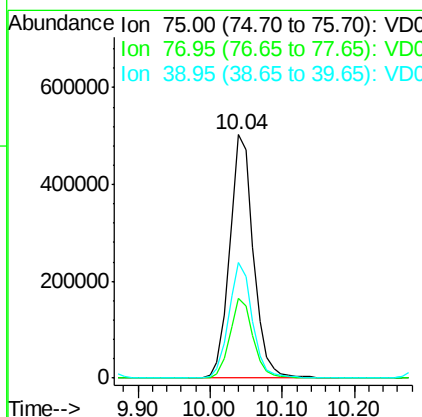
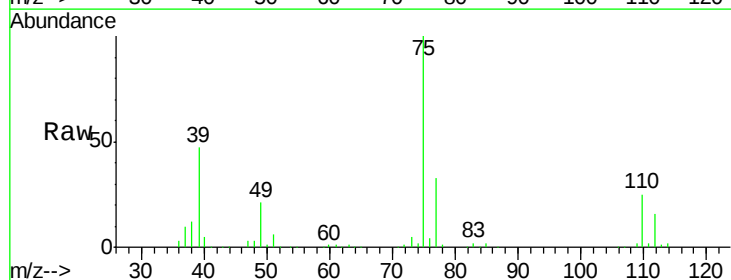
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

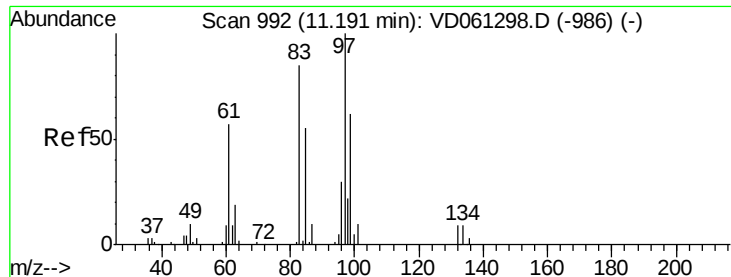
Tgt Ion: 75 Resp: 929278
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 106.106 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 75 Resp: 1154869
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.9 37.3
 39 47.5 36.0 54.0

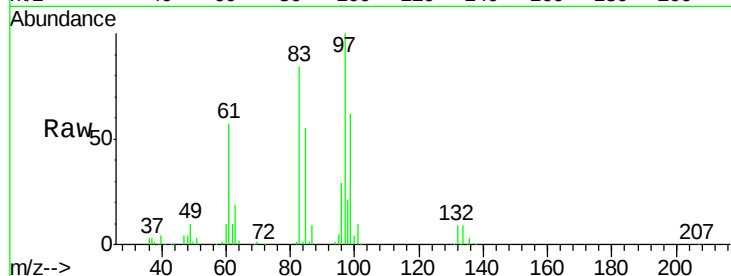




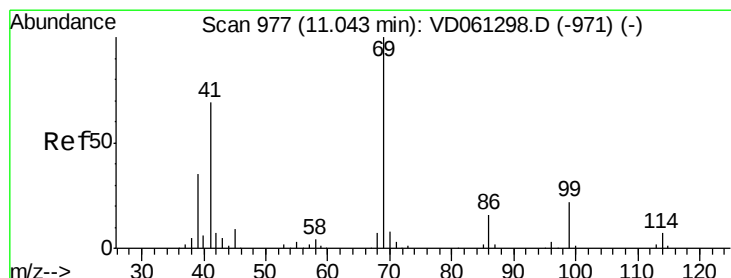
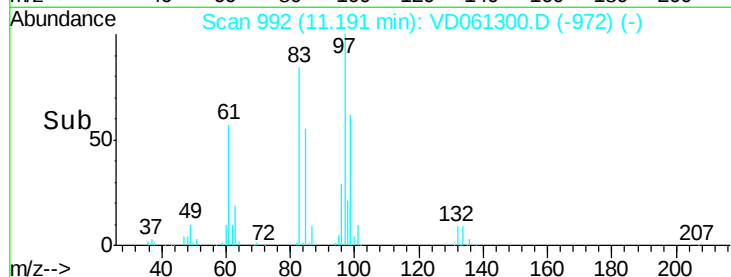
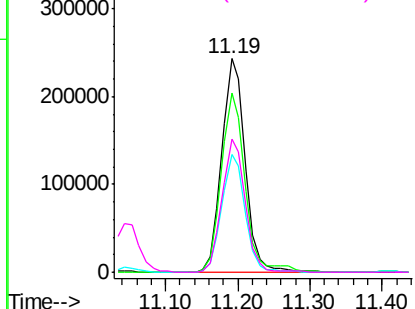
#55
 1,1,2-Trichloroethane
 Concen: 103.952 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 97 Resp: 546194
 Ion Ratio Lower Upper
 97 100
 83 84.0 67.7 101.5
 85 55.4 43.8 65.8
 99 62.3 49.8 74.6

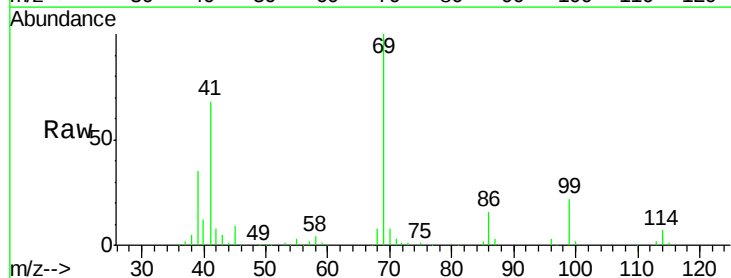


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

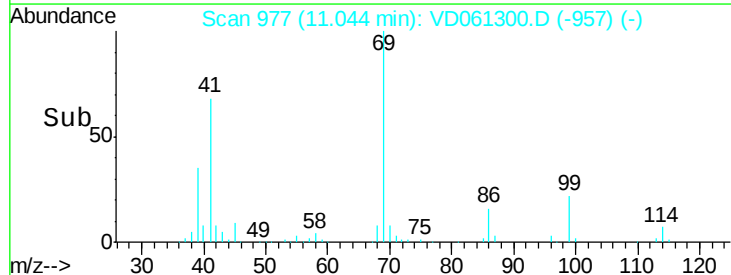
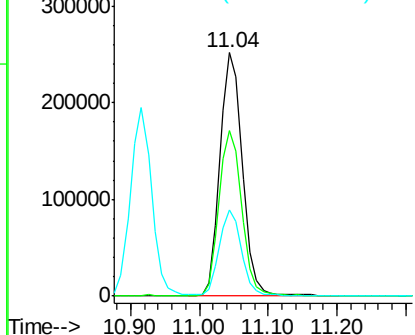


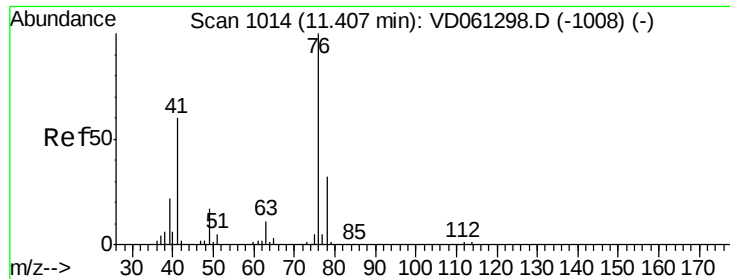
#56
 Ethyl methacrylate
 Concen: 101.202 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 69 Resp: 567411
 Ion Ratio Lower Upper
 69 100
 41 68.0 54.9 82.3
 39 35.2 28.5 42.7



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

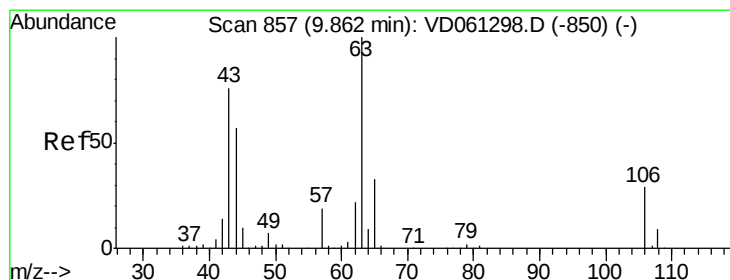
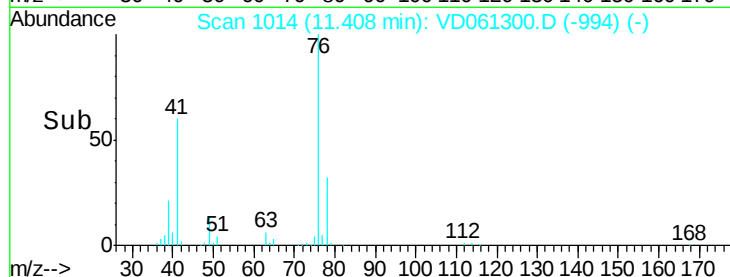
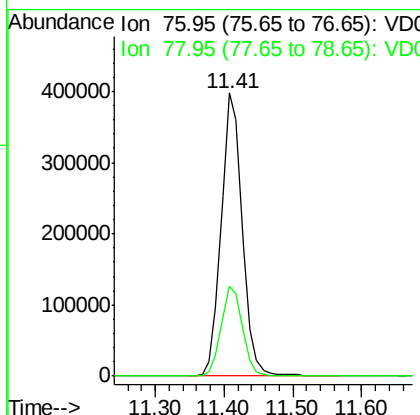
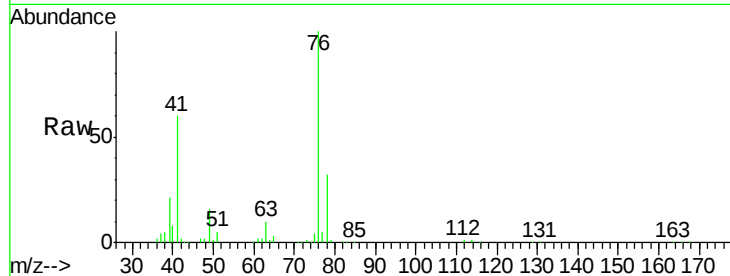




#57
 1,3-Dichloropropane
 Concen: 105.903 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

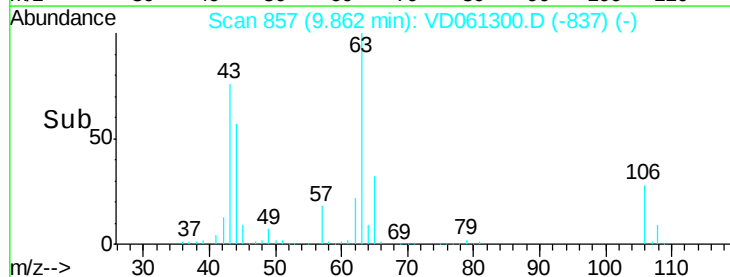
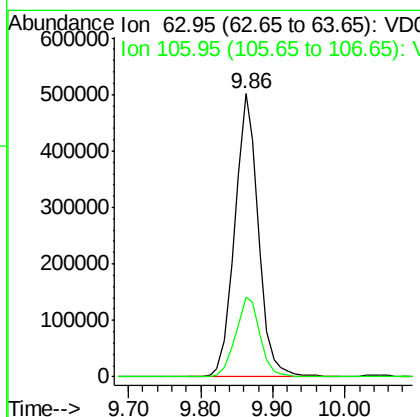
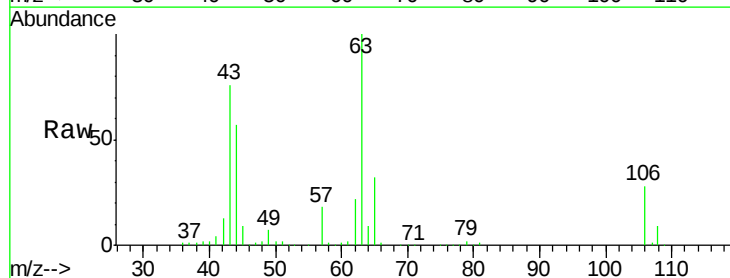
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

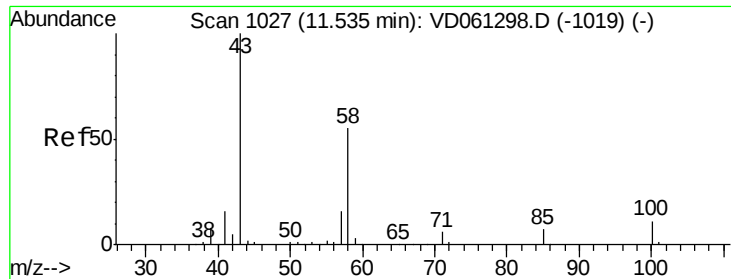
Tgt Ion: 76 Resp: 840368
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 391.939 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 63 Resp: 1143226
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.4 35.0

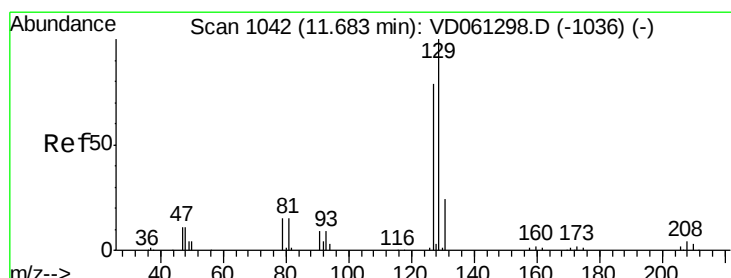
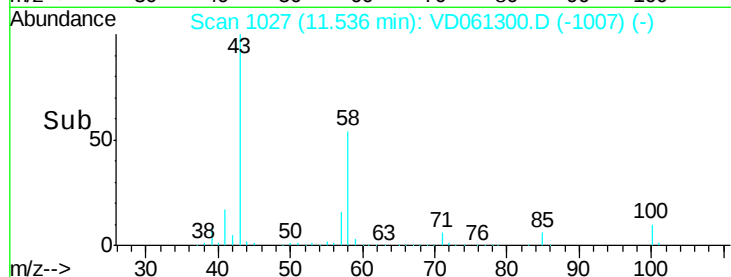
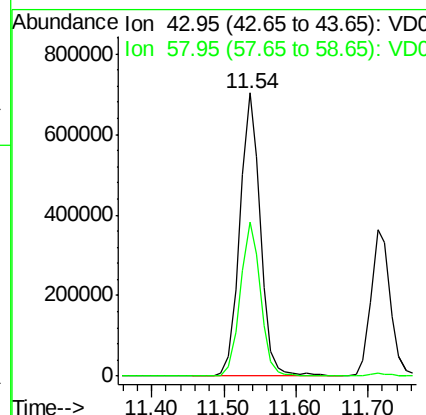
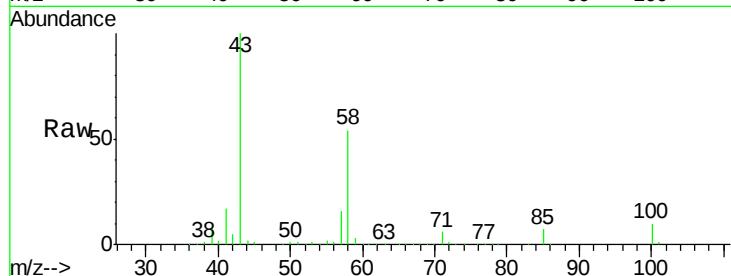




#59
2-Hexanone
Concen: 514.131 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

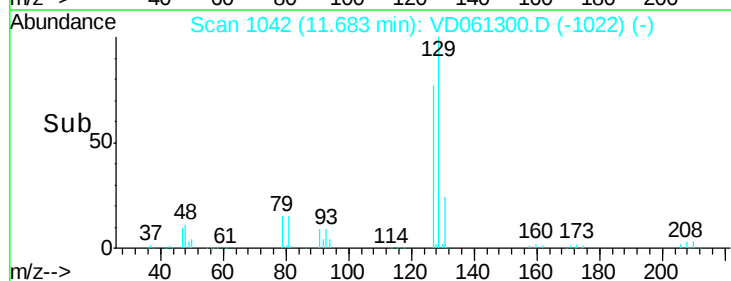
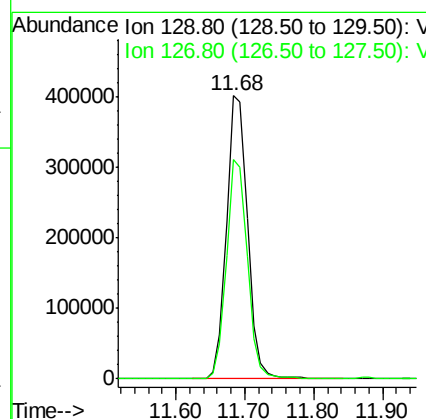
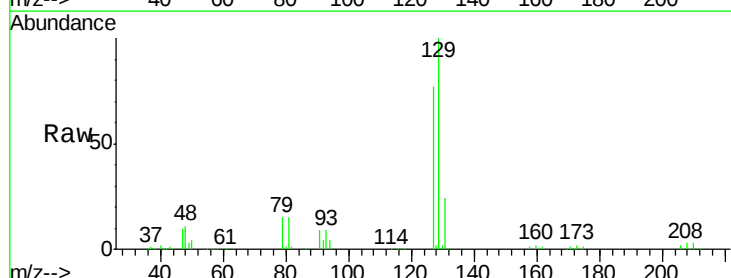
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

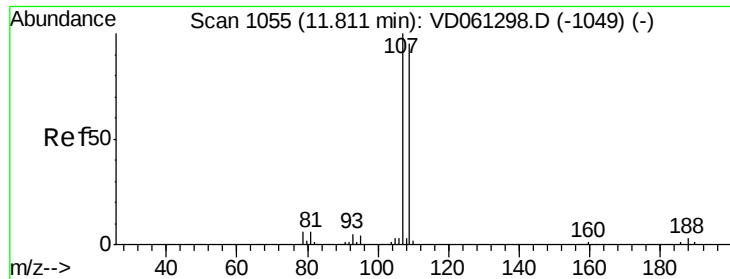
Tgt Ion: 43 Resp: 1394221
Ion Ratio Lower Upper
43 100
58 54.3 27.4 82.0



#60
Dibromochloromethane
Concen: 103.624 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 129 Resp: 852807
Ion Ratio Lower Upper
129 100
127 77.3 39.6 119.0

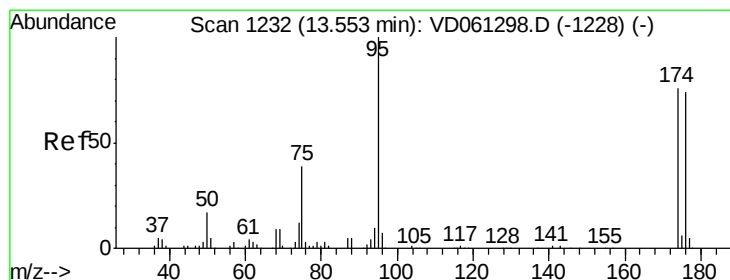
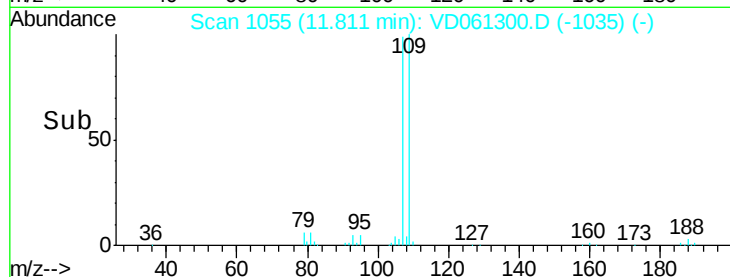
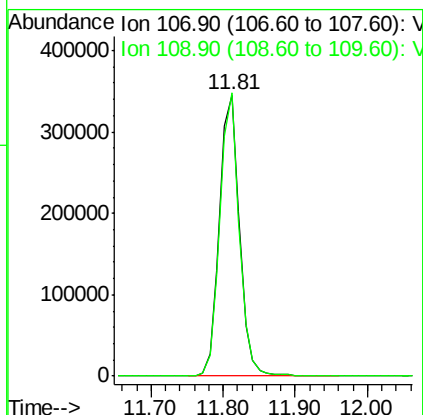
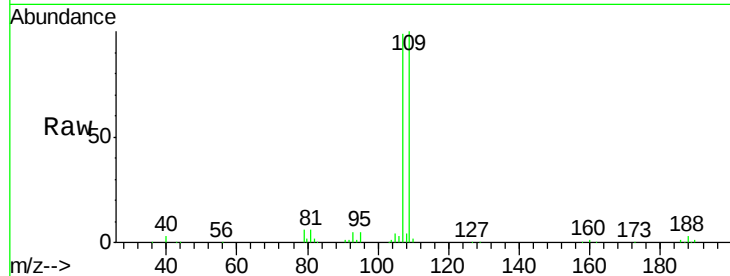




#61
 1,2-Dibromoethane
 Concen: 107.302 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

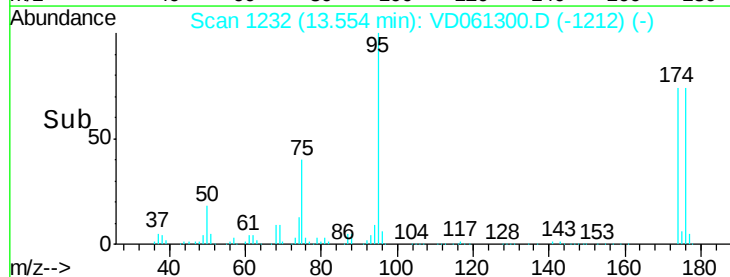
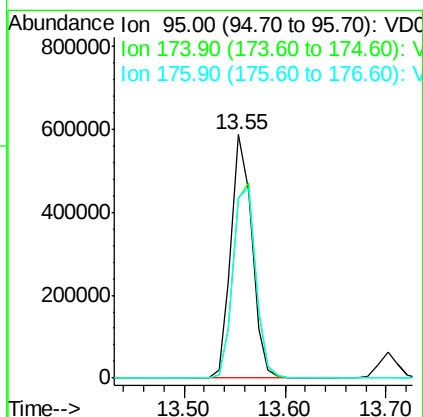
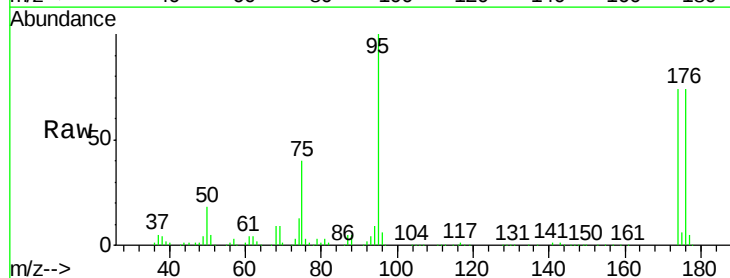
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

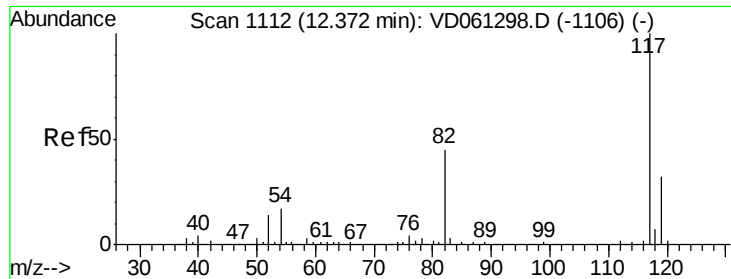
Tgt Ion: 107 Resp: 658745
 Ion Ratio Lower Upper
 107 100
 109 100.6 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 107.302 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 95 Resp: 850441
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 151.8
 176 74.1 0.0 148.0

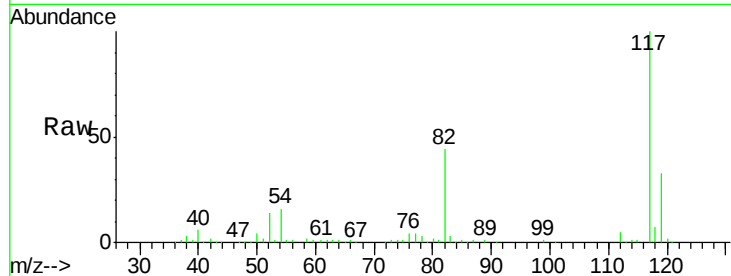




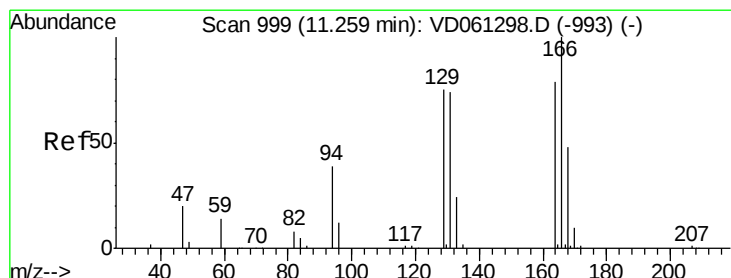
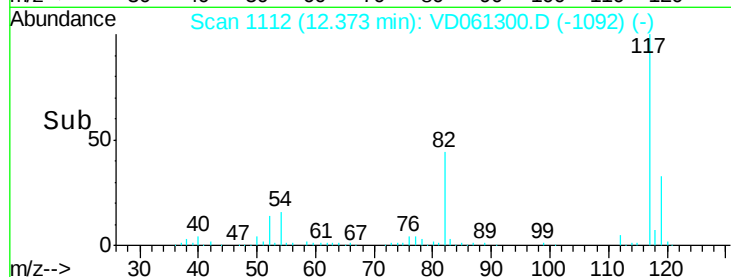
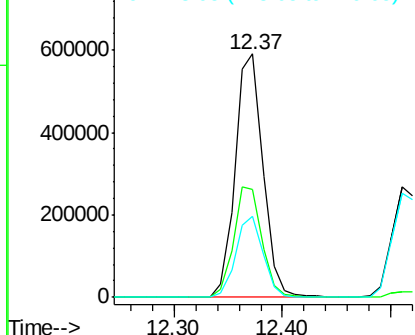
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1055906
Ion Ratio Lower Upper
117 100
82 44.4 35.7 53.5
119 33.4 25.9 38.9

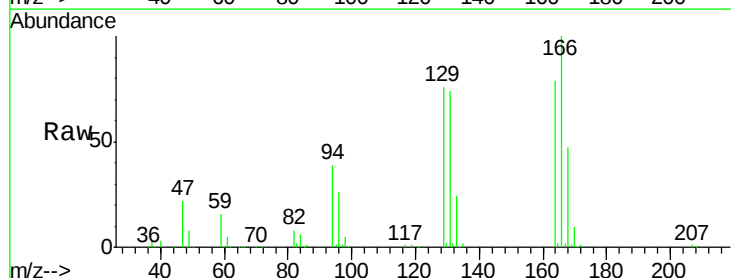


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

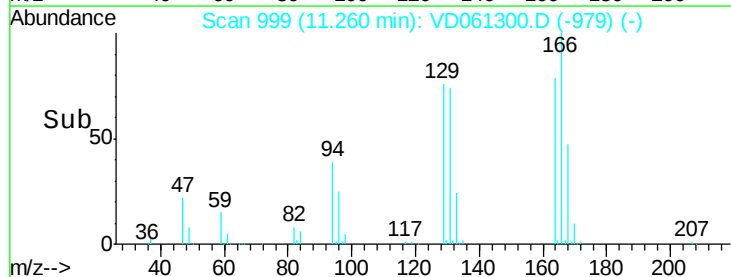
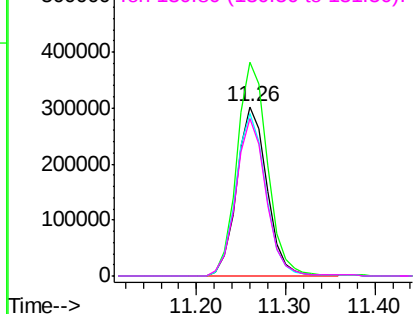


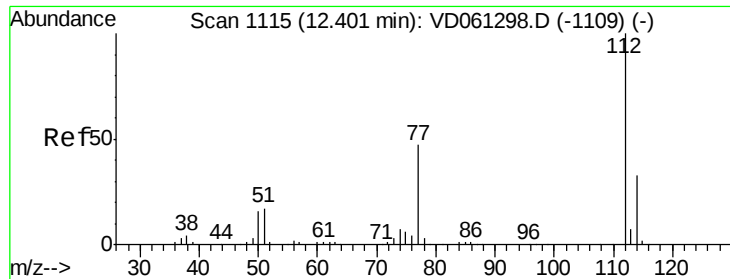
#64
Tetrachloroethene
Concen: 97.699 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:164 Resp: 710646
Ion Ratio Lower Upper
164 100
166 126.2 101.6 152.4
129 95.8 75.9 113.9
131 93.1 75.3 112.9



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





#65

Chlorobenzene

Concen: 95.260 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

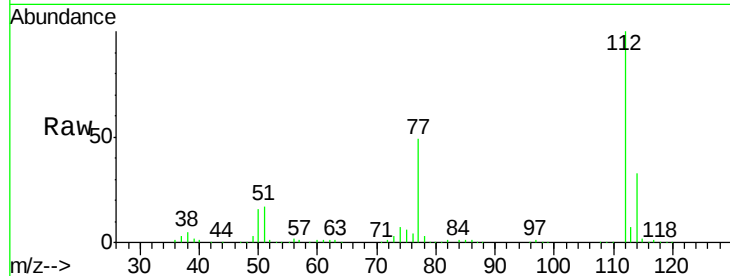
VSTDIC100

Tgt Ion:112 Resp: 1852644

Ion Ratio Lower Upper

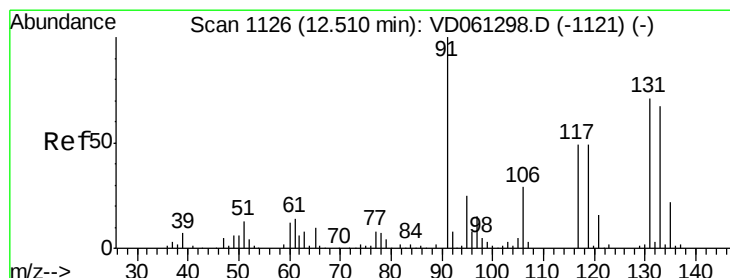
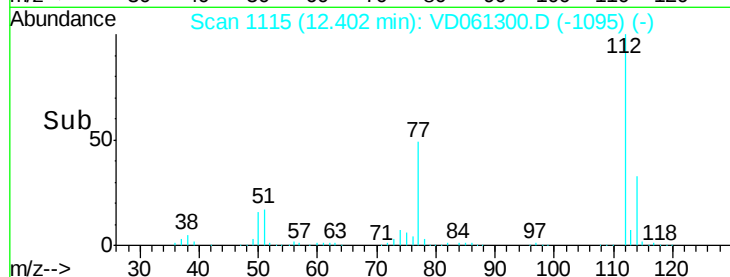
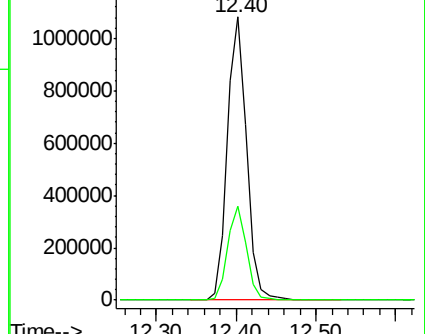
112 100

114 33.1 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 93.917 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

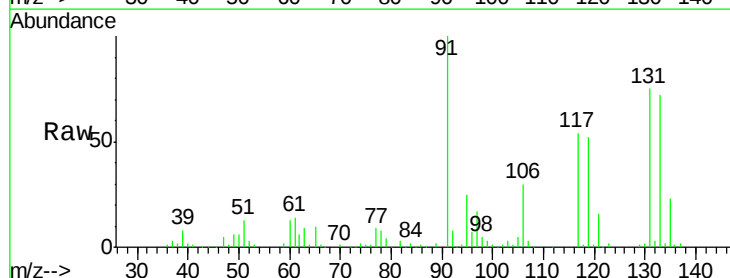
Tgt Ion:131 Resp: 708173

Ion Ratio Lower Upper

131 100

133 95.9 47.0 141.2

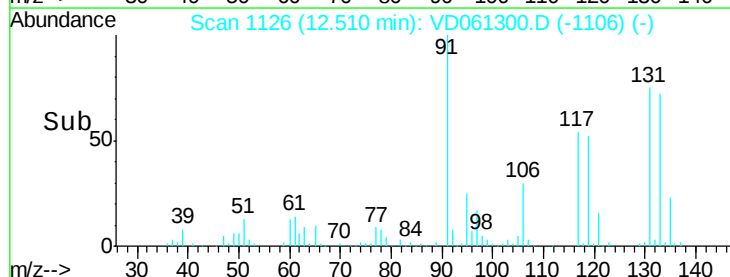
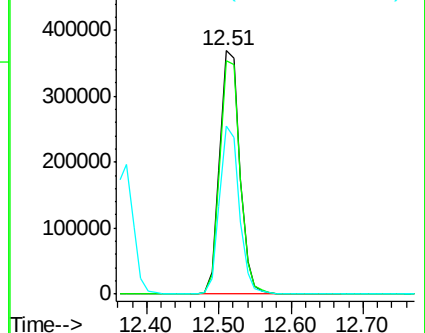
119 68.8 34.8 104.5

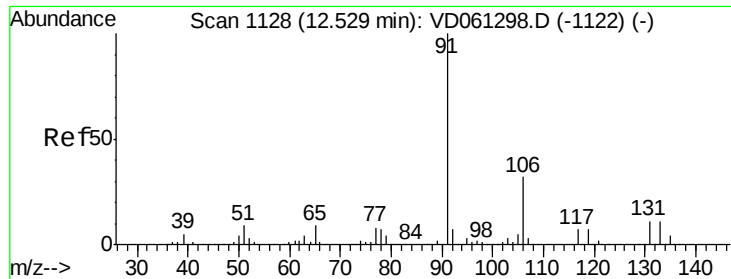


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

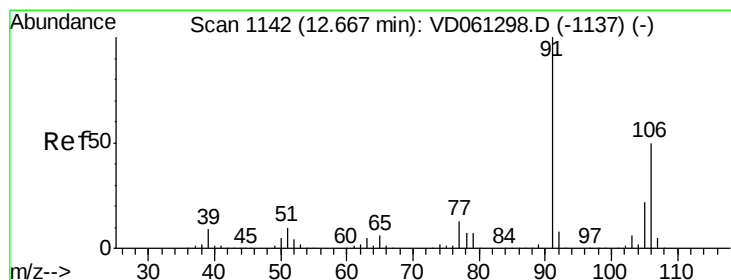
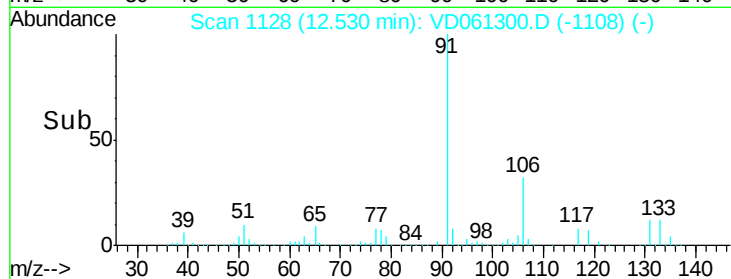
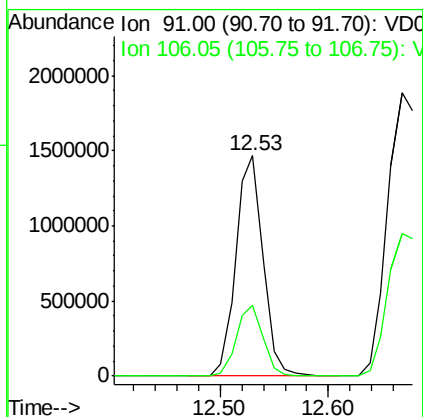
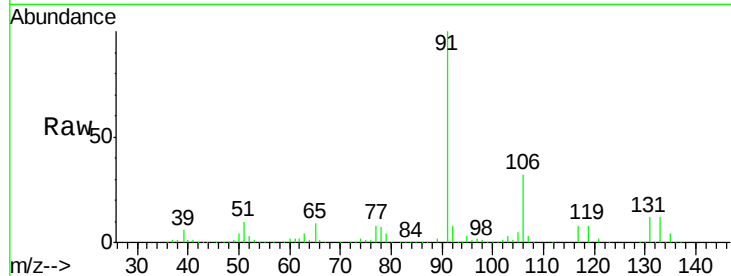




#67
Ethyl Benzene
Concen: 85.859 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

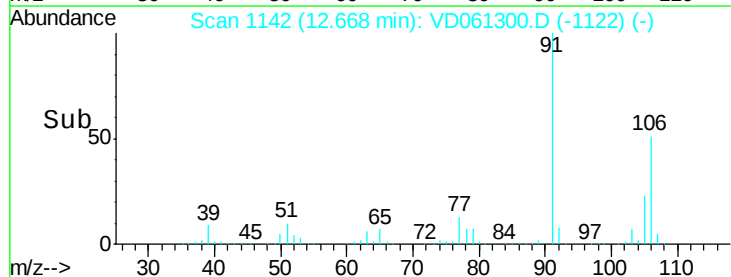
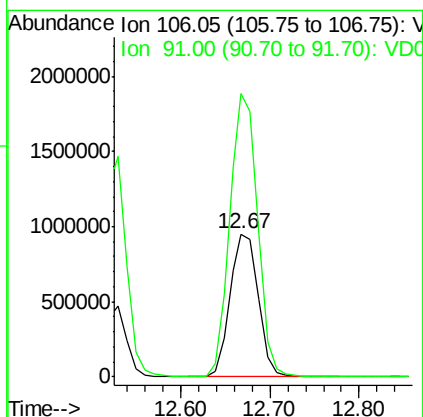
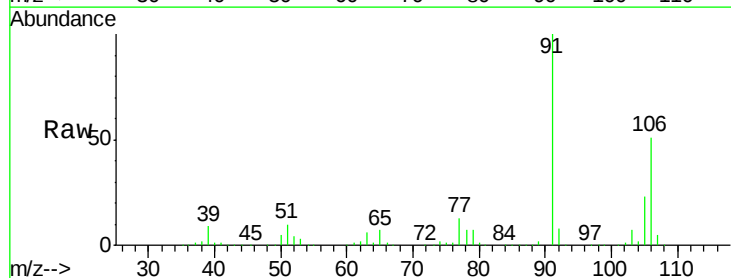
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

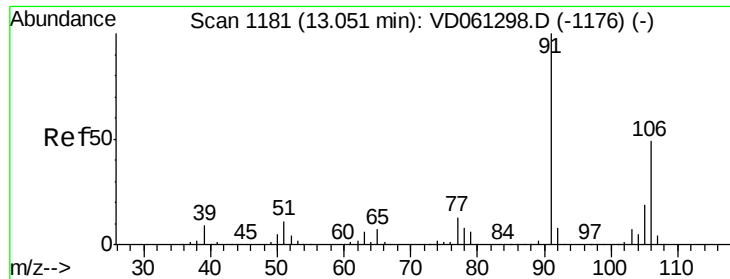
Tgt Ion: 91 Resp: 255535
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8



#68
m/p-Xylenes
Concen: 181.197 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 106 Resp: 2105261
Ion Ratio Lower Upper
106 100
91 197.7 159.2 238.8

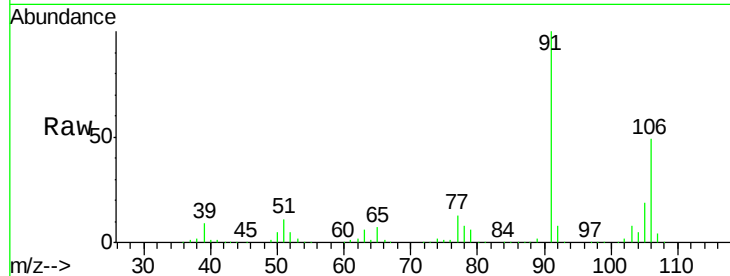




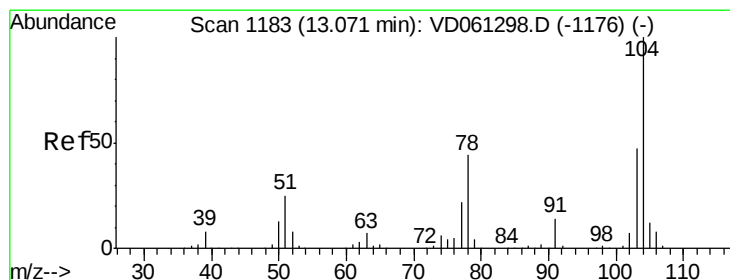
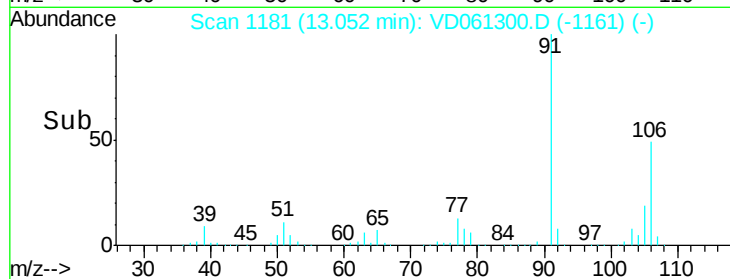
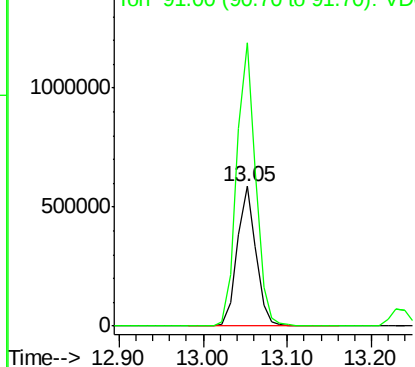
#69
o-Xylene
Concen: 83.736 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 902325
Ion Ratio Lower Upper
106 100
91 203.0 102.5 307.5

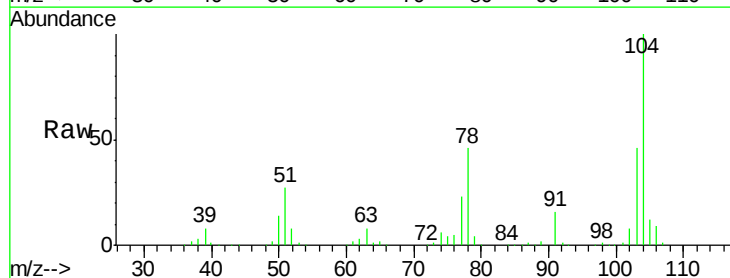


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

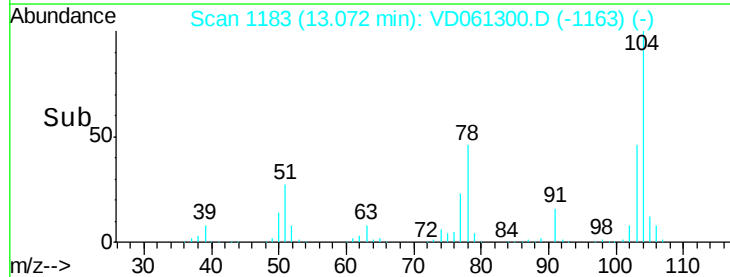
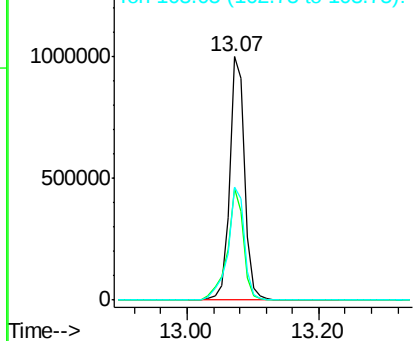


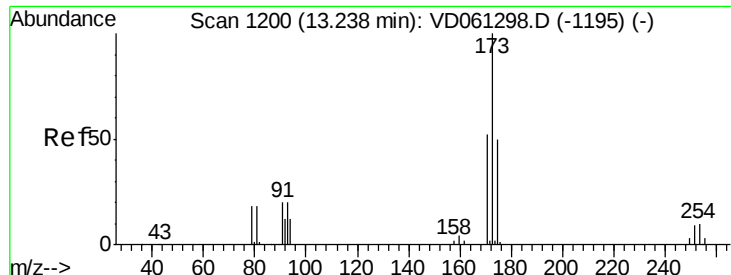
#70
Styrene
Concen: 86.059 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:104 Resp: 1573900
Ion Ratio Lower Upper
104 100
78 45.8 35.1 52.7
103 46.4 37.5 56.3



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: 109.951 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

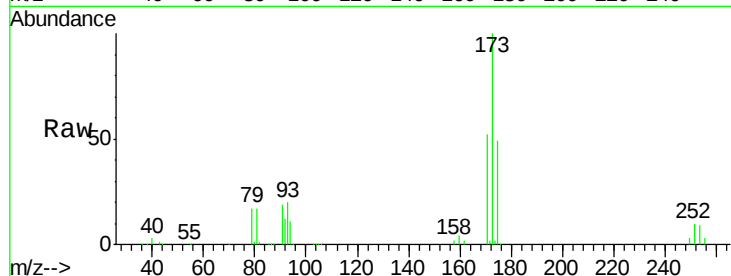
Tgt Ion:173 Resp: 507342

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.7

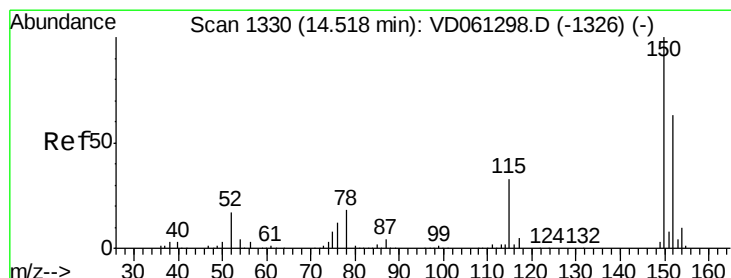
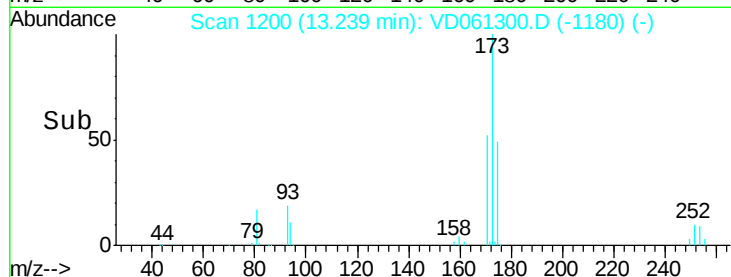
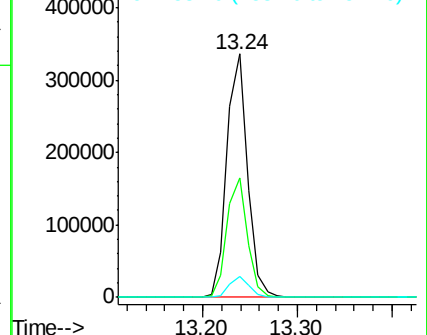
254 8.7 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

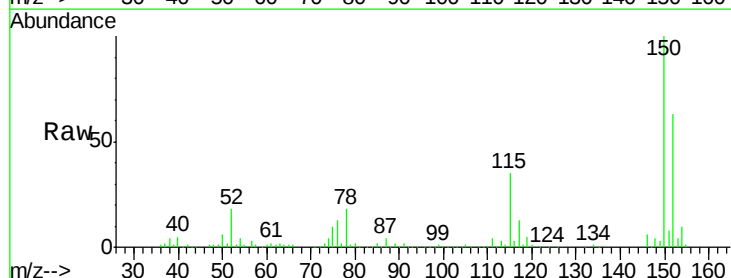
Tgt Ion:152 Resp: 409151

Ion Ratio Lower Upper

152 100

115 55.8 29.2 87.6

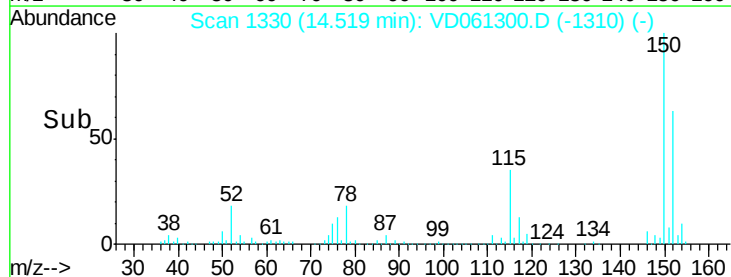
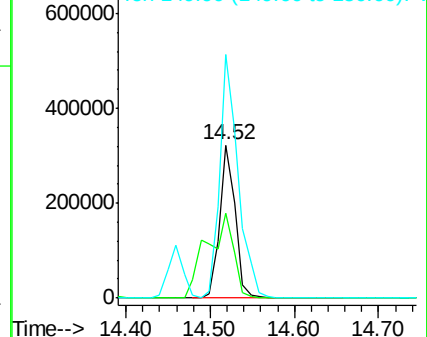
150 158.8 0.0 319.6

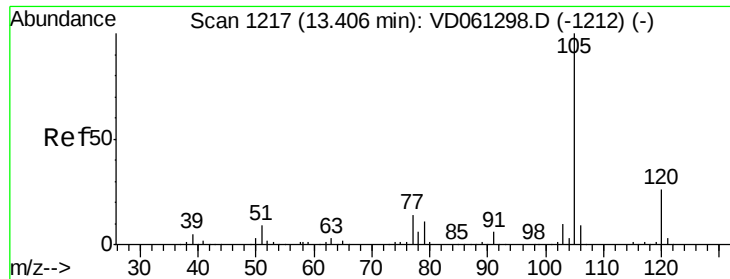


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.949 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

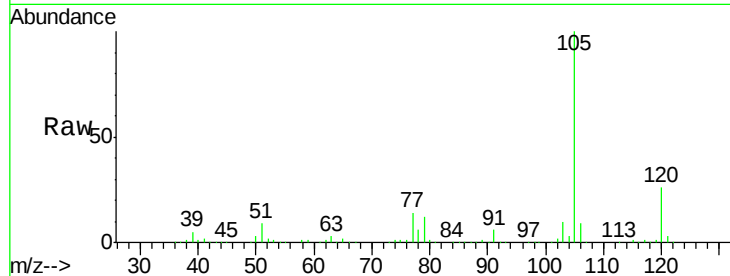
VSTDIC100

Tgt Ion:105 Resp: 2686464

Ion Ratio Lower Upper

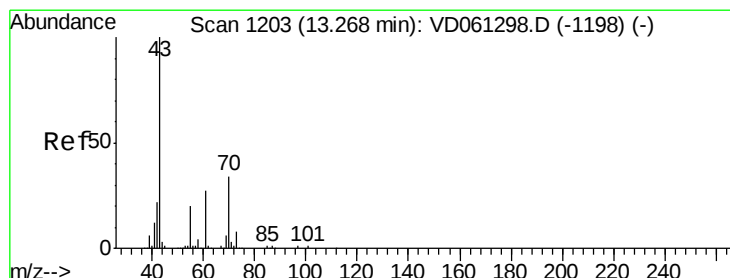
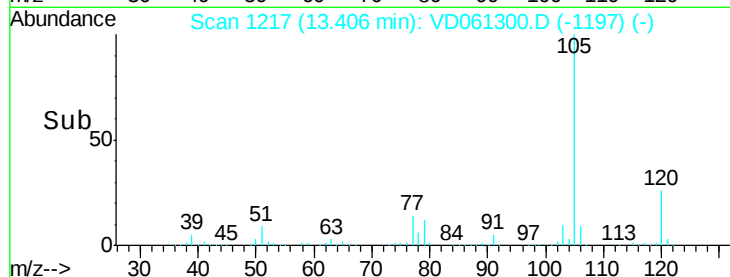
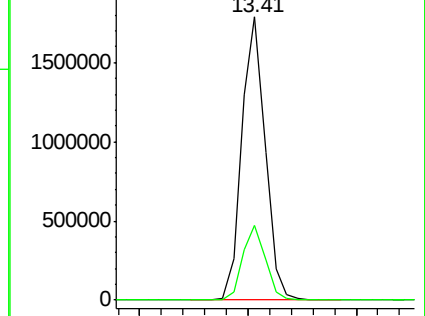
105 100

120 26.2 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 120.463 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion: 43 Resp: 838719

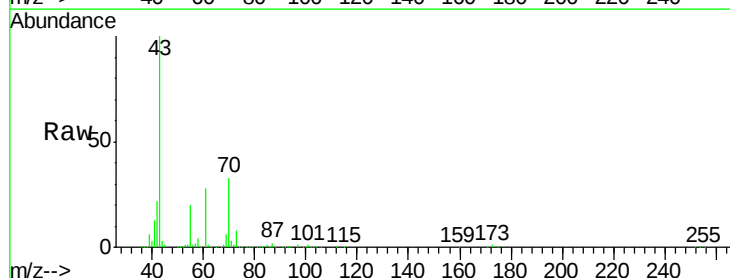
Ion Ratio Lower Upper

43 100

70 33.1 27.5 41.3

55 19.8 15.7 23.5

61 27.5 21.8 32.6

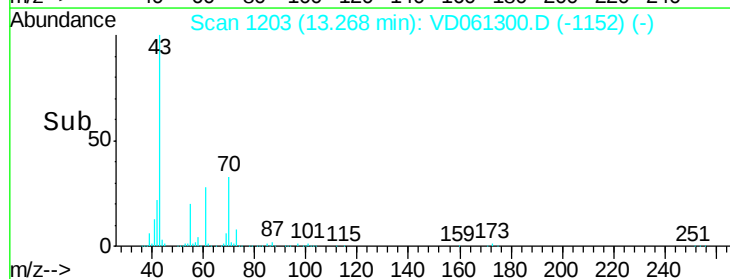
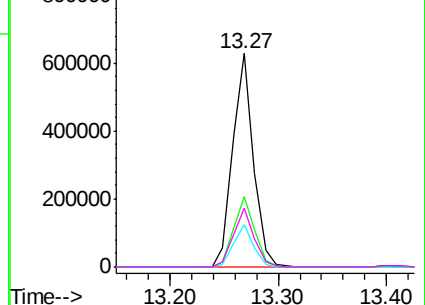


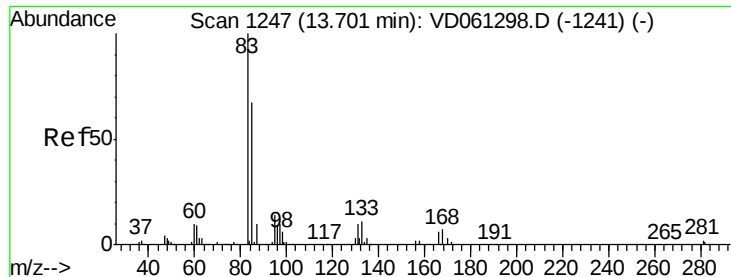
Abundance Ion 42.95 (42.65 to 43.65): V

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: 113.800 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

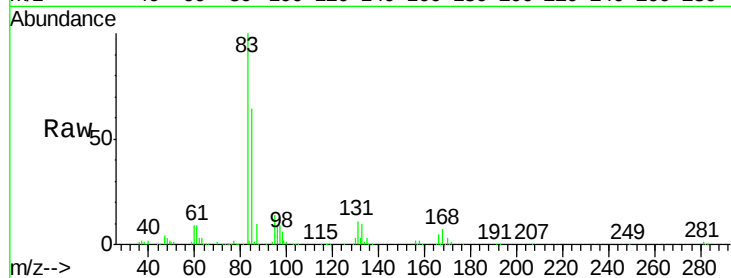
Tgt Ion: 83 Resp: 587284

Ion Ratio Lower Upper

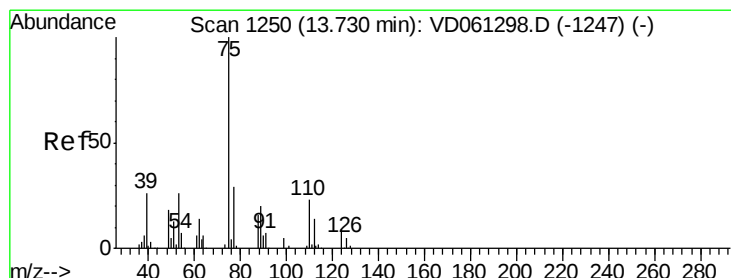
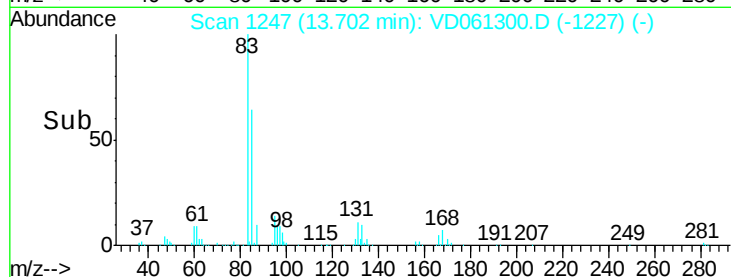
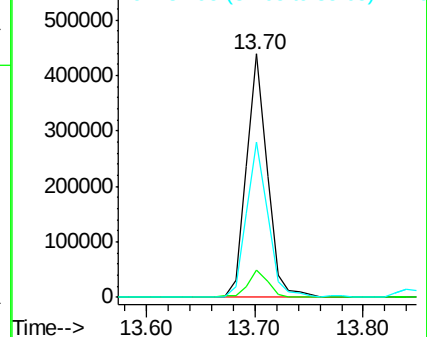
83 100

131 11.0 5.0 15.0

85 64.0 33.4 100.2



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: 114.953 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061300.D

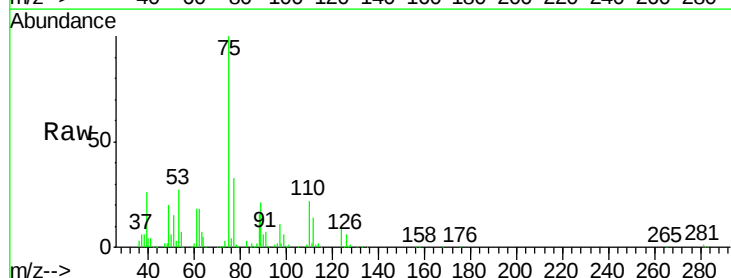
Acq: 25 Mar 2019 13:09

Tgt Ion: 75 Resp: 584911

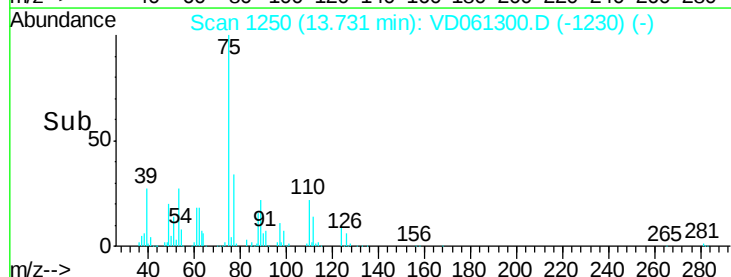
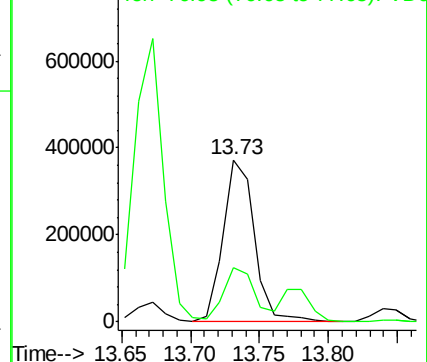
Ion Ratio Lower Upper

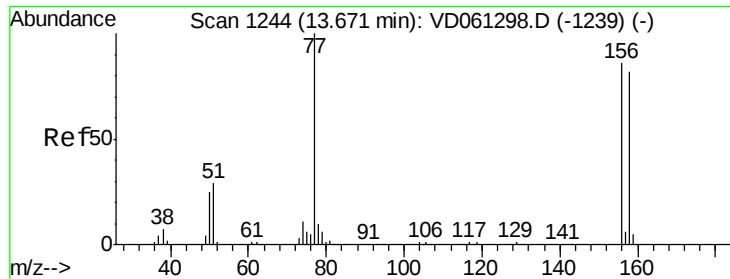
75 100

77 33.1 15.8 47.4



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





#77

Bromobenzene

Concen: 105.630 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

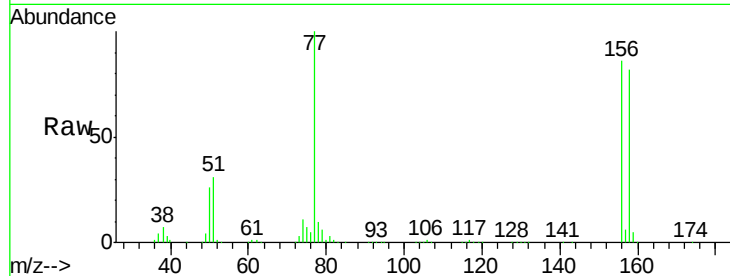
Tgt Ion:156 Resp: 785201

Ion Ratio Lower Upper

156 100

77 116.3 58.4 175.1

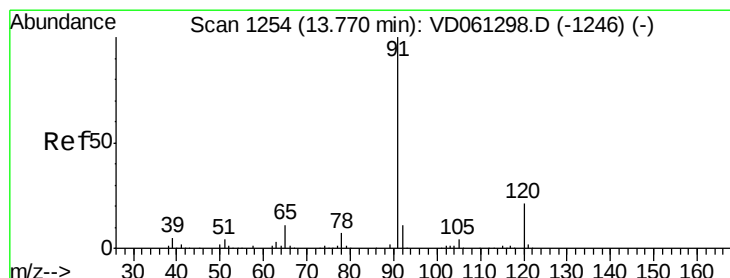
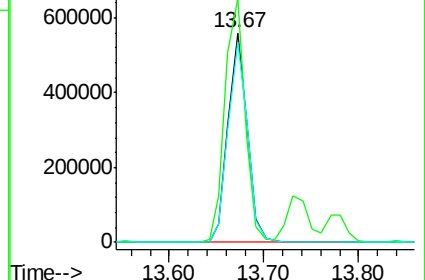
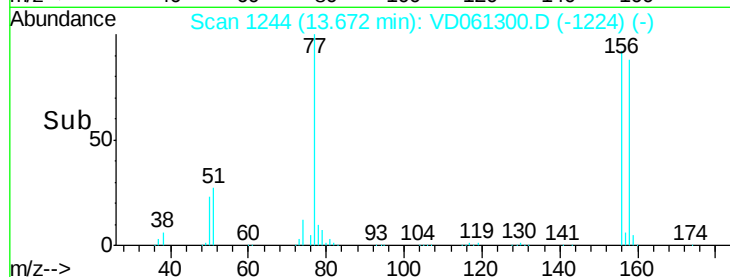
158 95.5 48.1 144.3



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: 103.563 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061300.D

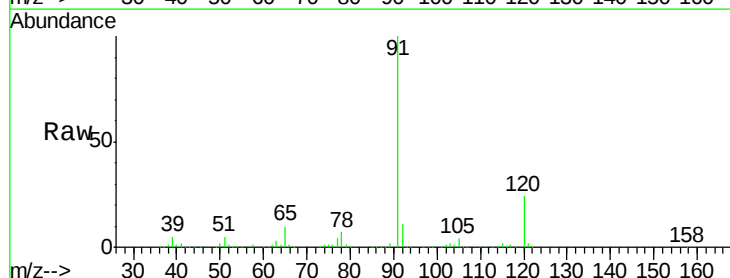
Acq: 25 Mar 2019 13:09

Tgt Ion: 91 Resp: 3109392

Ion Ratio Lower Upper

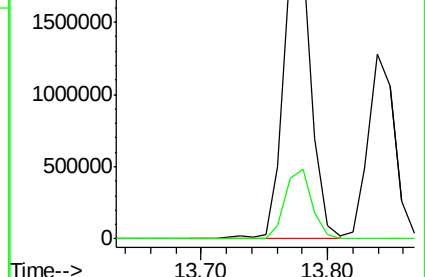
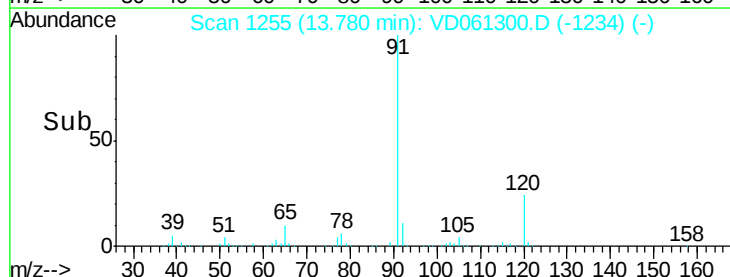
91 100

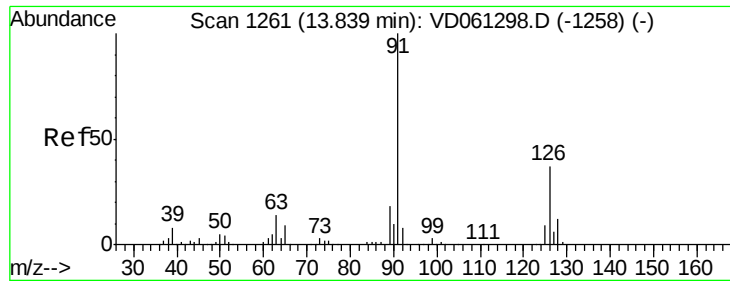
120 24.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 107.542 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

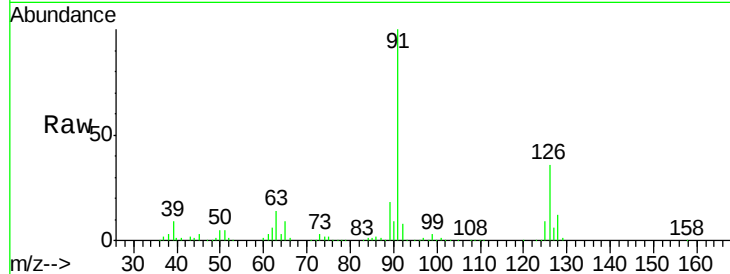
VSTDIC100

Tgt Ion: 91 Resp: 1876147

Ion Ratio Lower Upper

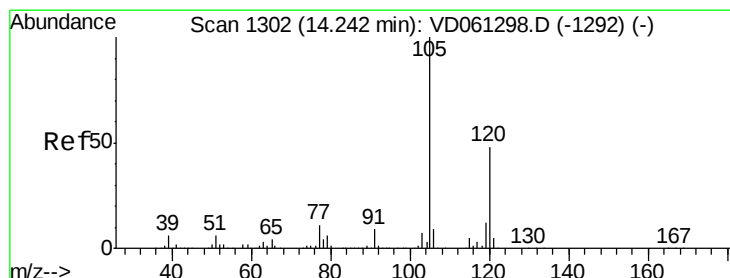
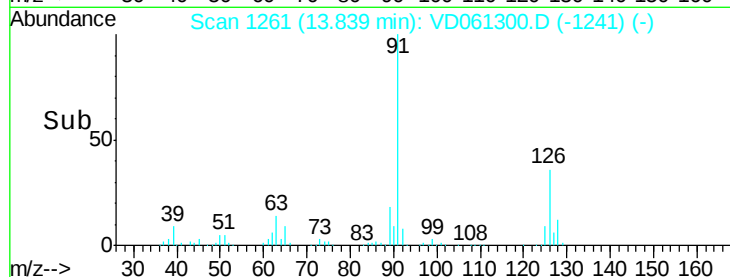
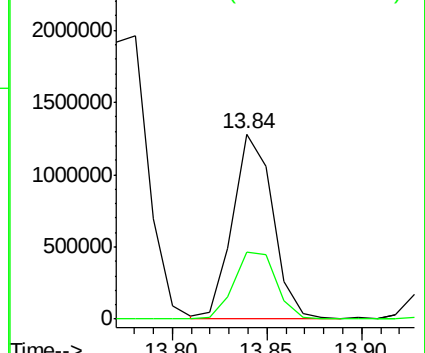
91 100

126 36.5 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 98.755 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061300.D

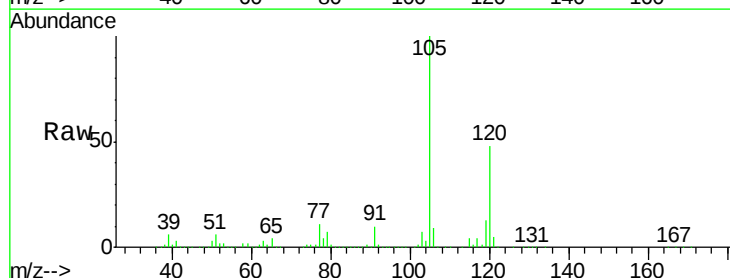
Acq: 25 Mar 2019 13:09

Tgt Ion: 105 Resp: 2073242

Ion Ratio Lower Upper

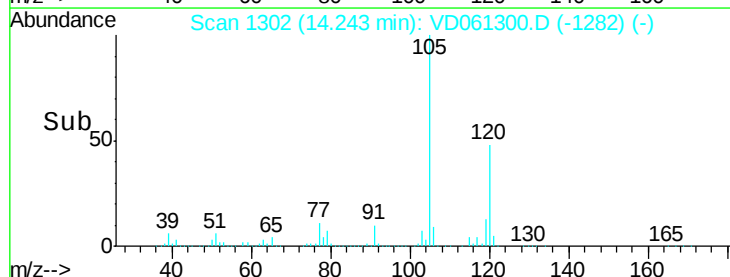
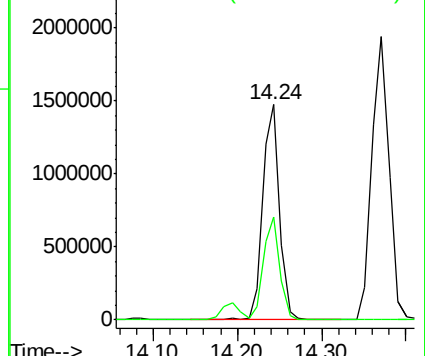
105 100

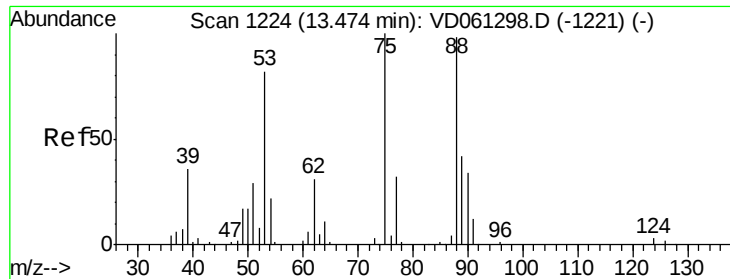
120 47.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 114.206 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

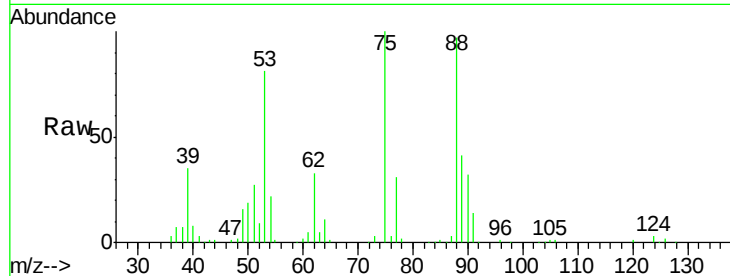
Tgt Ion: 75 Resp: 183393

Ion Ratio Lower Upper

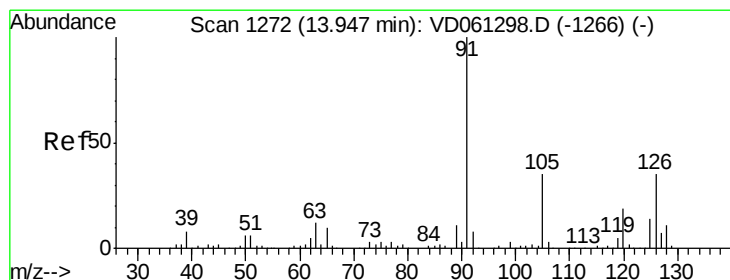
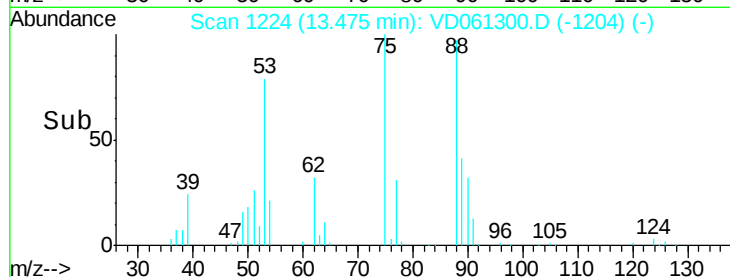
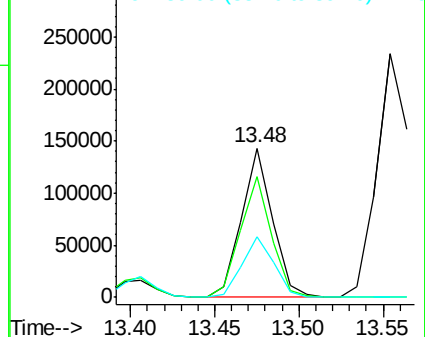
75 100

53 80.9 65.3 97.9

89 40.7 33.8 50.6



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



#82

4-Chlorotoluene

Concen: 97.889 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061300.D

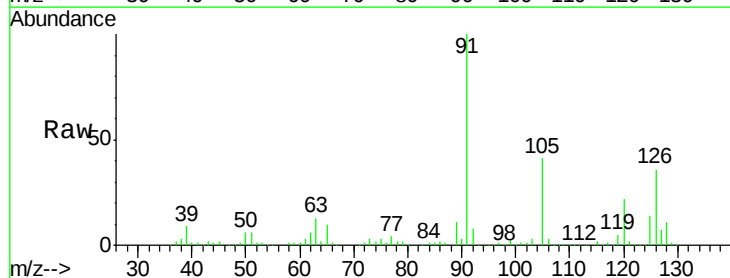
Acq: 25 Mar 2019 13:09

Tgt Ion: 91 Resp: 1870741

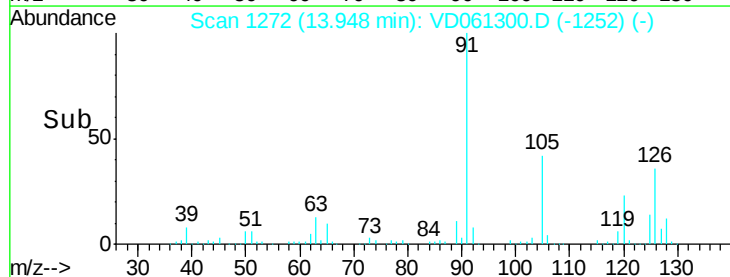
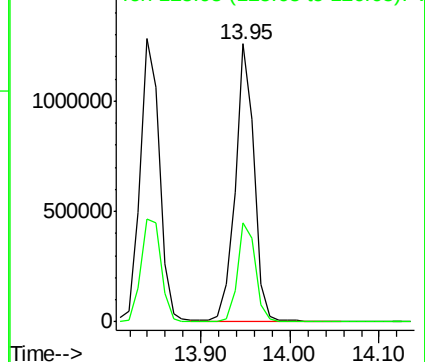
Ion Ratio Lower Upper

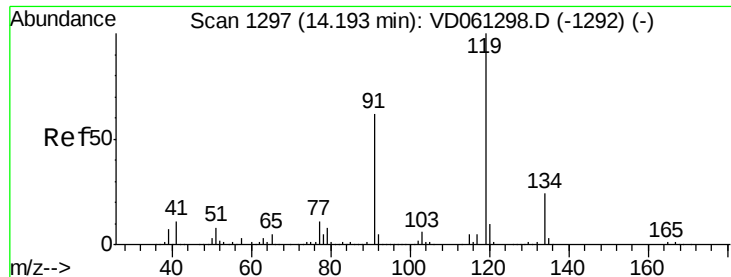
91 100

126 35.6 17.7 53.1



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

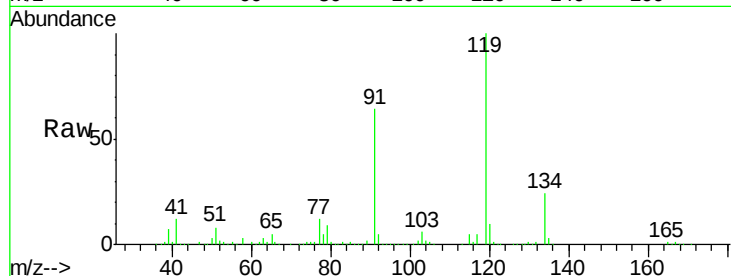




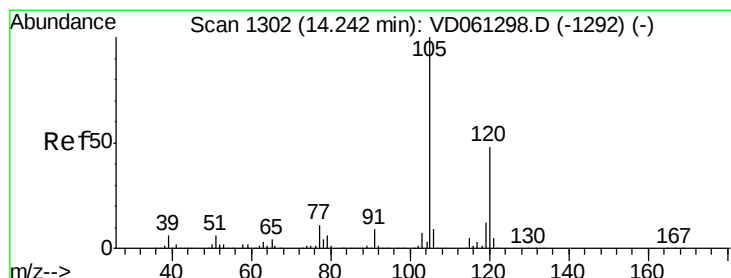
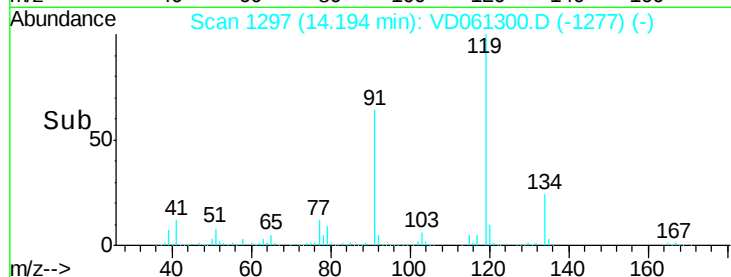
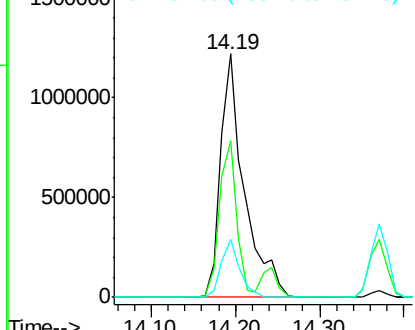
#83
 tert-Butylbenzene
 Concen: 100.014 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 2397361
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.1 93.5
 134 23.7 11.9 35.7

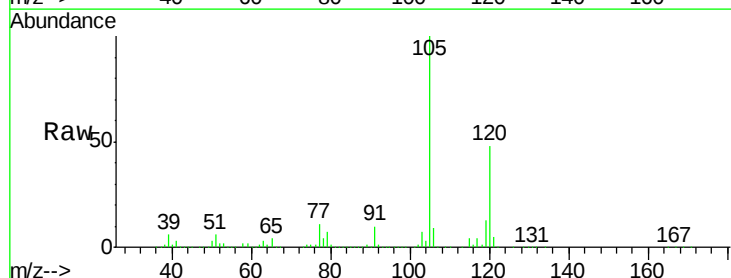


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

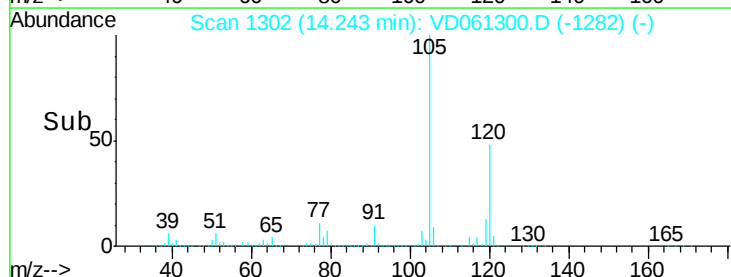
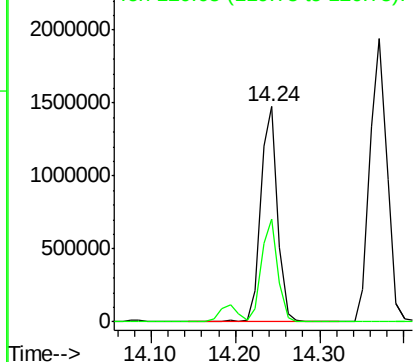


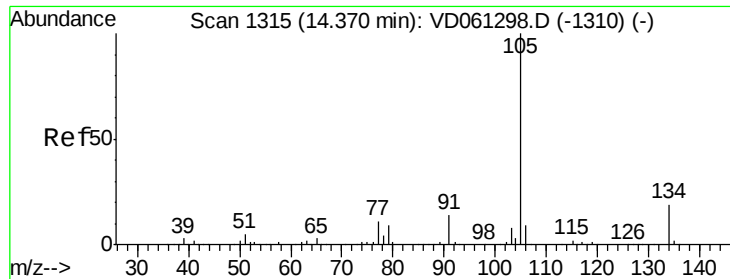
#84
 1,2,4-Trimethylbenzene
 Concen: 98.755 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion:105 Resp: 2073242
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.4



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

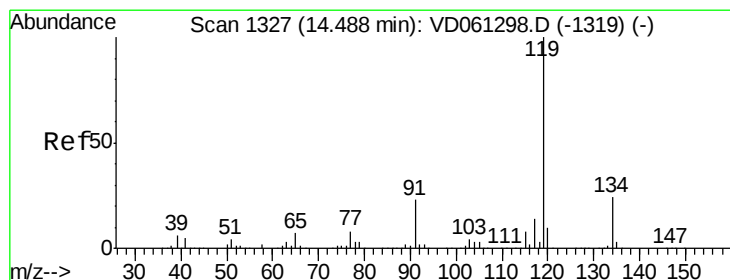
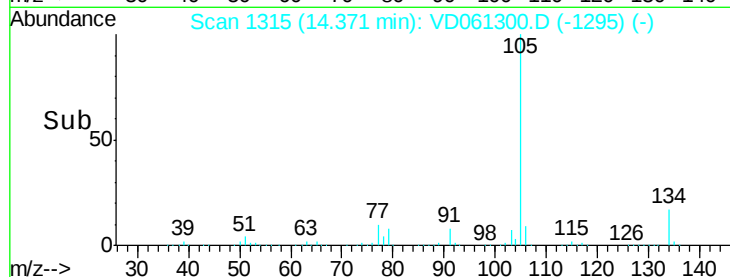
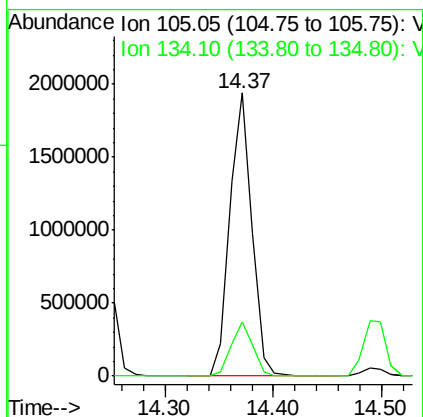
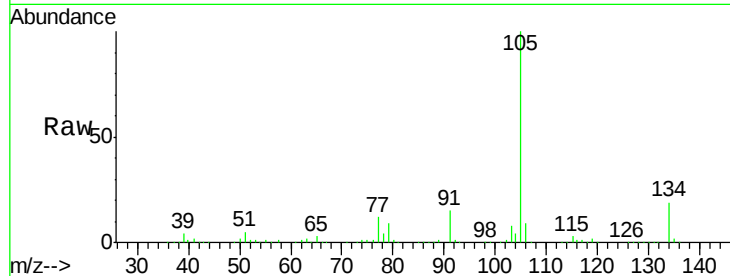




#85
 sec-Butylbenzene
 Concen: 102.703 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

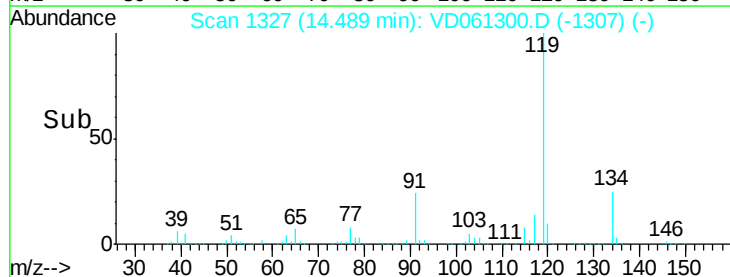
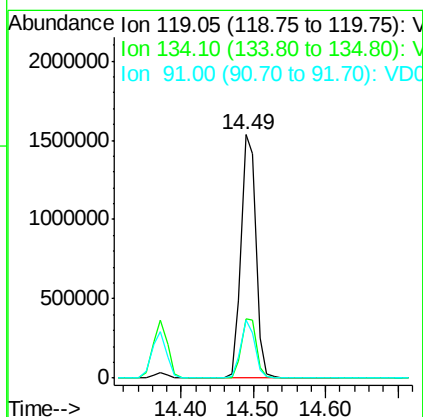
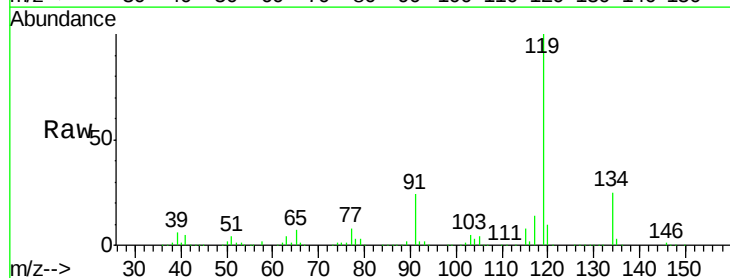
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

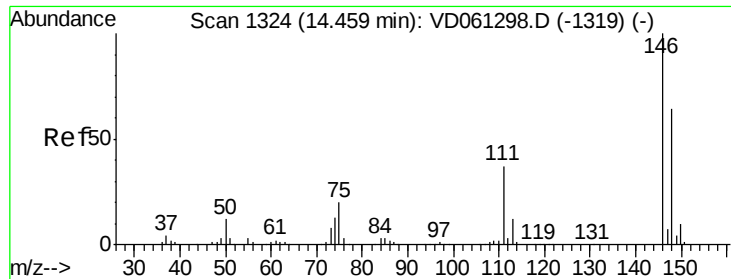
Tgt Ion:105 Resp: 2741652
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 93.523 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion:119 Resp: 2227349
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.1 36.3
 91 24.0 11.4 34.2

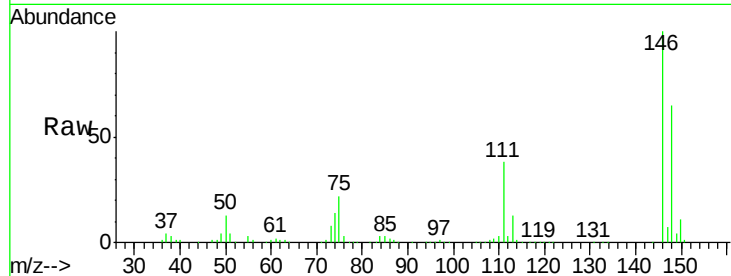




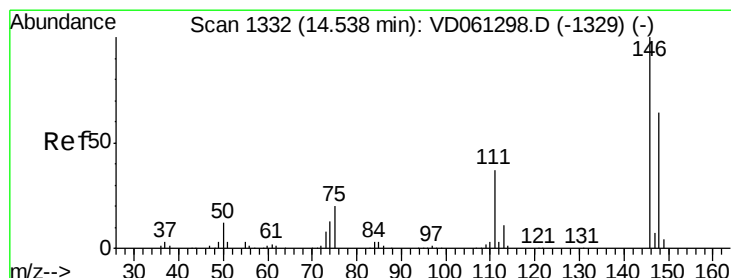
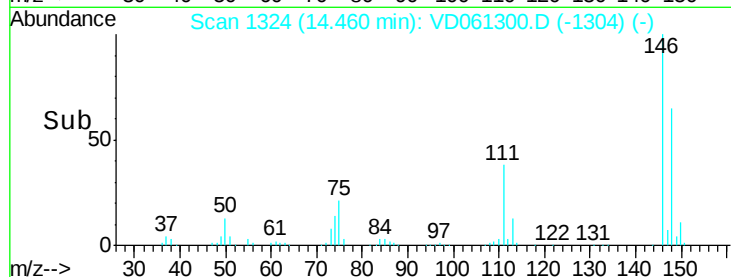
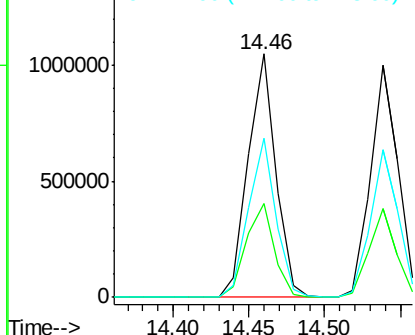
#87
 1,3-Dichlorobenzene
 Concen: 101.669 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1339604
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.0
 148 65.1 32.0 96.2

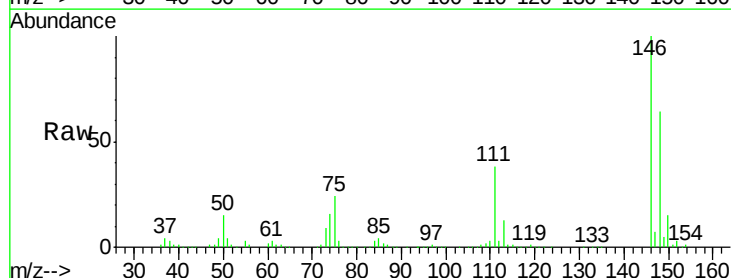


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

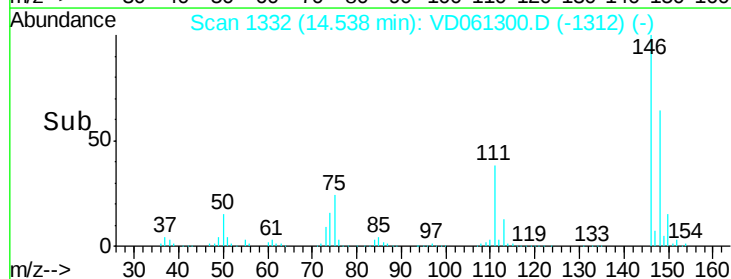
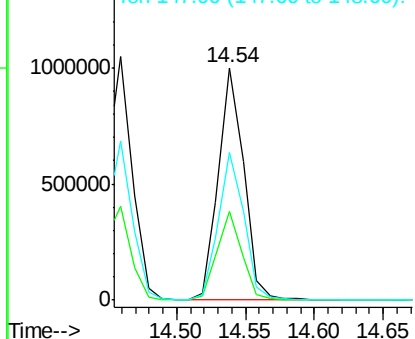


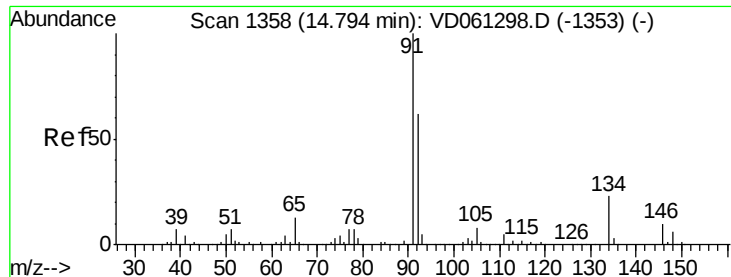
#88
 1,4-Dichlorobenzene
 Concen: 100.152 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion:146 Resp: 1278291
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 63.5 31.9 95.5



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





#89

n-Butylbenzene

Concen: 87.775 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

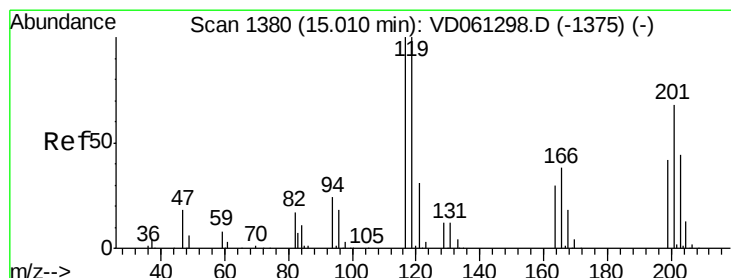
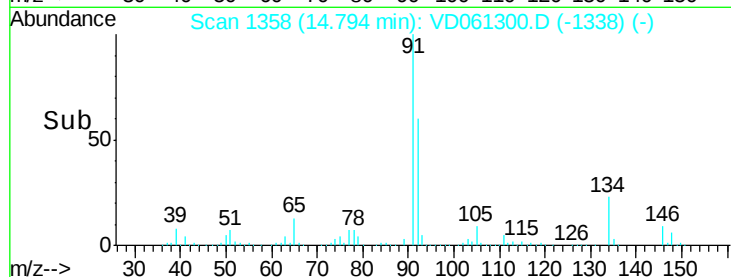
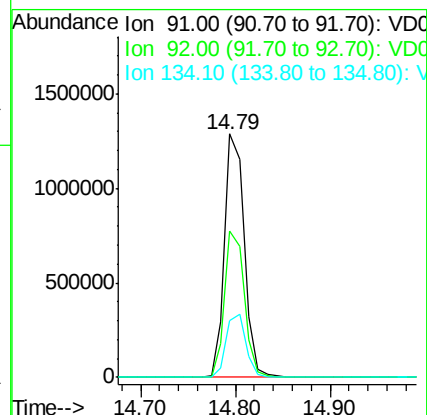
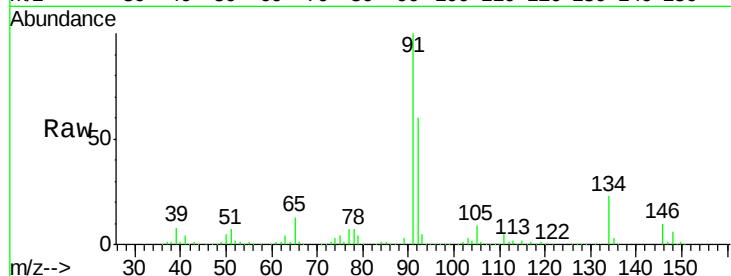
Tgt Ion: 91 Resp: 1855971

Ion Ratio Lower Upper

91 100

92 60.3 30.9 92.7

134 23.2 11.7 35.0



#90

Hexachloroethane

Concen: 111.615 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061300.D

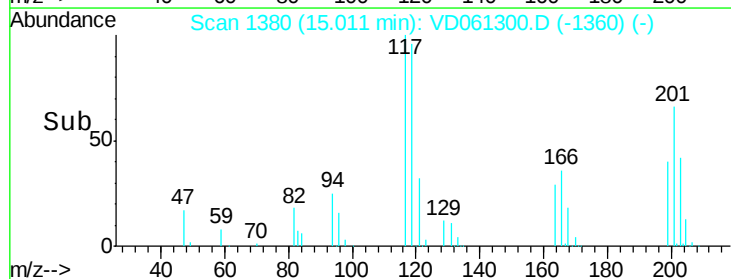
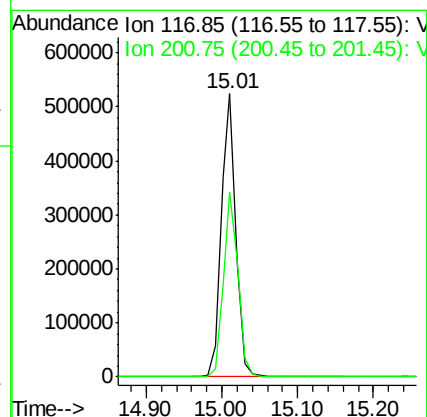
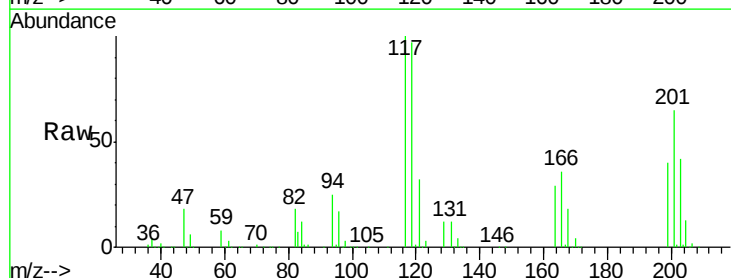
Acq: 25 Mar 2019 13:09

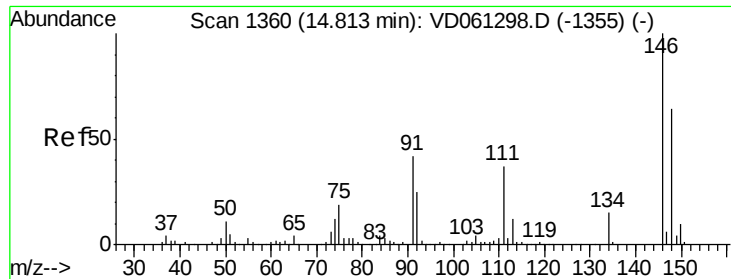
Tgt Ion: 117 Resp: 712714

Ion Ratio Lower Upper

117 100

201 65.3 34.0 101.8

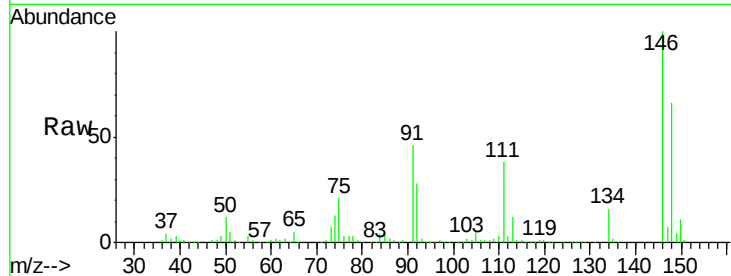




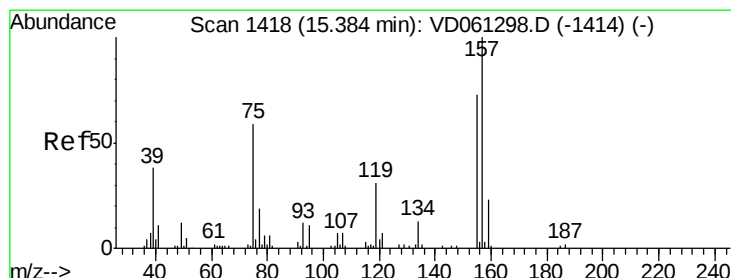
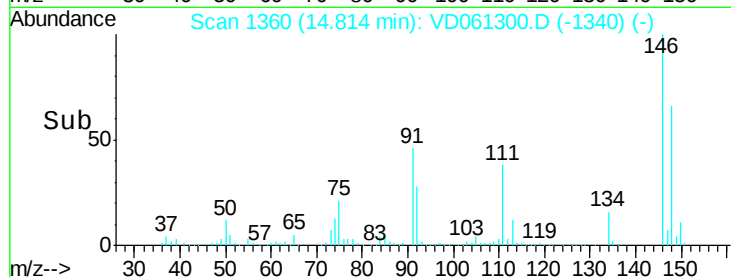
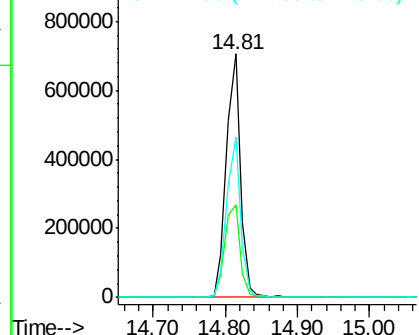
#91
 1,2-Dichlorobenzene
 Concen: 90.692 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 953505
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.3 54.8
 148 65.8 31.9 95.7

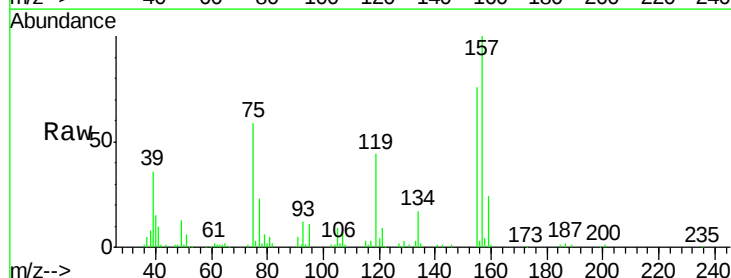


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

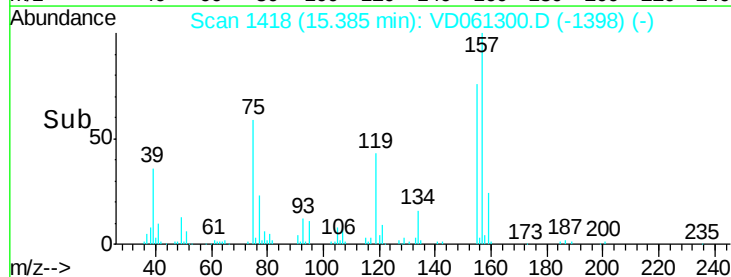
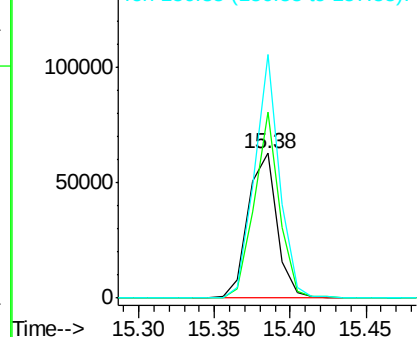


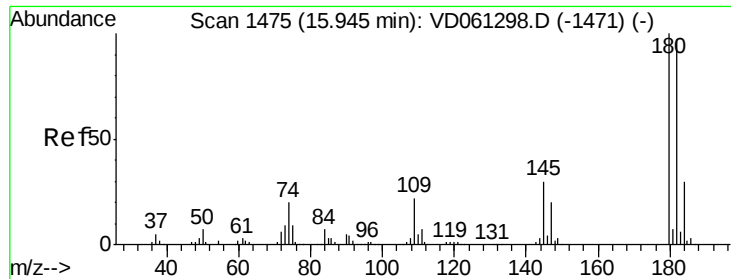
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.736 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 75 Resp: 83663
 Ion Ratio Lower Upper
 75 100
 155 128.6 61.9 185.7
 157 168.5 84.4 253.2



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

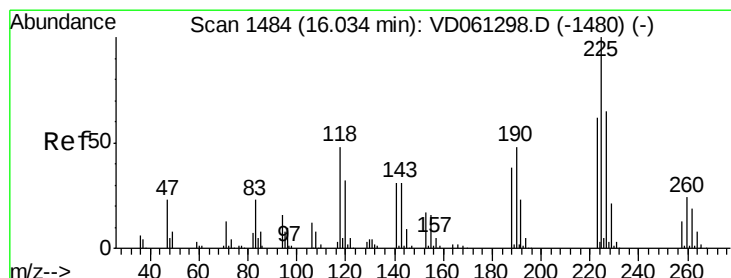
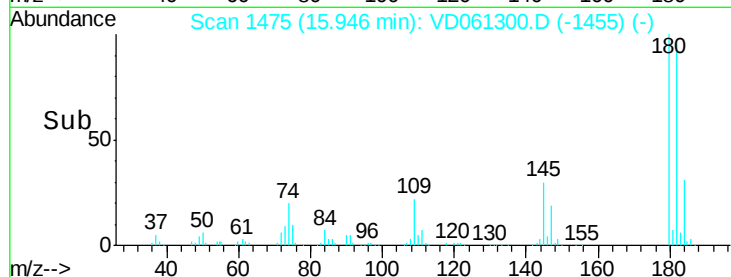
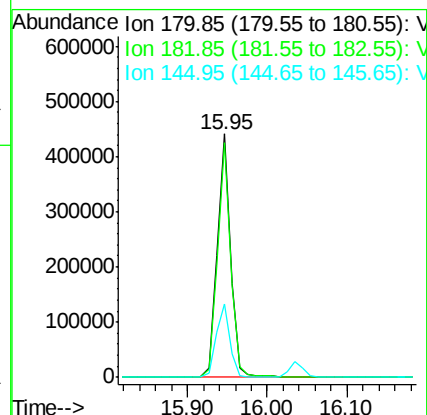
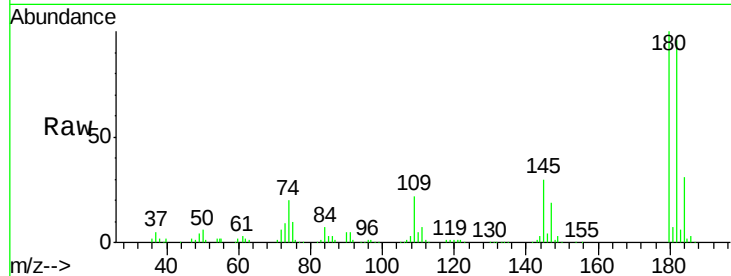




#93
 1,2,4-Trichlorobenzene
 Concen: 108.543 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

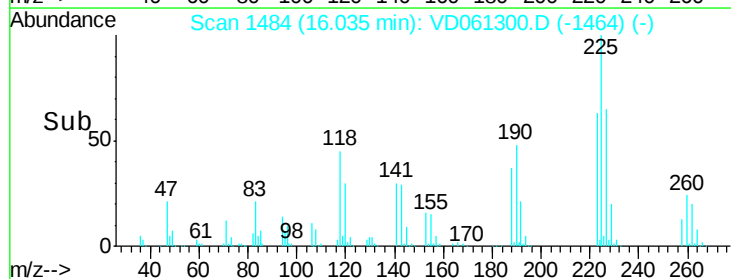
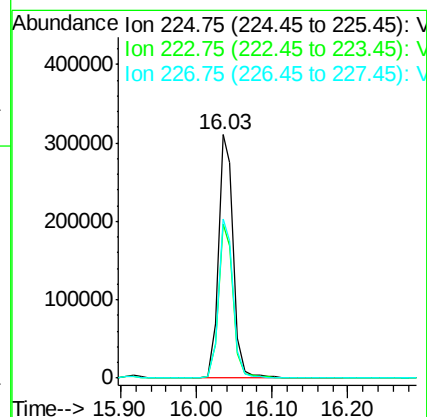
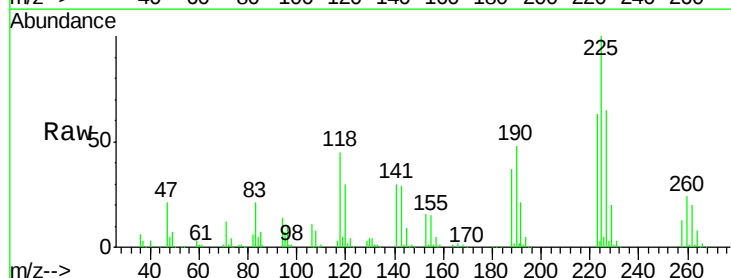
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

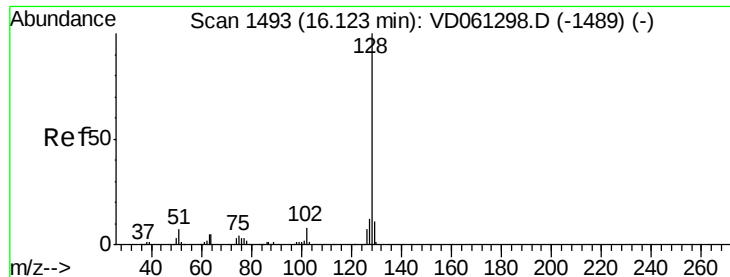
Tgt Ion:180 Resp: 527042
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.3 144.9
 145 30.1 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 110.706 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion:225 Resp: 433167
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.8
 227 65.5 32.6 97.7

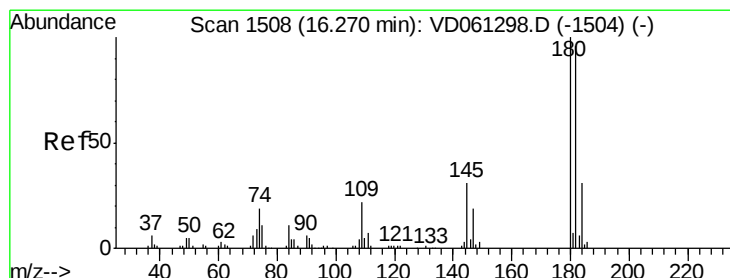
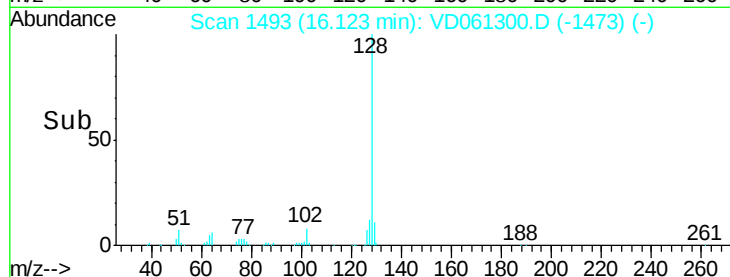
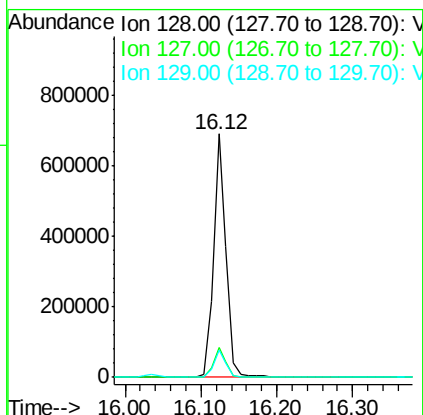
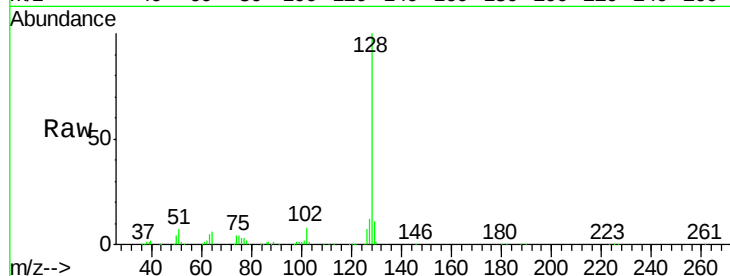




#95
Naphthalene
Concen: 113.878 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 806691
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.6
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 103.290 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:180 Resp: 234248
Ion Ratio Lower Upper
180 100
182 95.7 48.0 144.2
145 31.4 15.4 46.4

