

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061296.D
 Acq On : 25 Mar 2019 11:19
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 26 02:03:30 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	7.05	168	673828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1160948	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	935173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	444564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	62162	10.69	ug/l	0.00
Spiked Amount			Recovery	=	21.38%	
35) Dibromofluoromethane	6.94	113	89499	10.07	ug/l	0.00
Spiked Amount			Recovery	=	20.14%	
50) Toluene-d8	10.41	98	217230	10.08	ug/l	0.00
Spiked Amount			Recovery	=	20.16%	
62) 4-Bromofluorobenzene	13.55	95	91904	10.94	ug/l	0.00
Spiked Amount			Recovery	=	21.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	61388	8.905	ug/l	90
3) Chloromethane	1.77	50	48275	8.979	ug/l	99
4) Vinyl Chloride	1.87	62	45734	9.099	ug/l	95
5) Bromomethane	2.17	94	9335	8.970	ug/l	96
6) Chloroethane	2.28	64	14504	9.168	ug/l	97
7) Trichlorofluoromethane	2.55	101	66853	8.983	ug/l	95
8) Diethyl Ether	2.89	74	21350	9.660	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.18	101	68223	9.018	ug/l	95
10) Methyl Iodide	3.32	142	82091	7.768	ug/l	96
11) Tert butyl alcohol	4.07	59	14334	46.306	ug/l #	94
12) 1,1-Dichloroethene	3.16	96	59715	9.175	ug/l	93
13) Acrolein	3.05	56	21053	62.050	ug/l	91
14) Allyl chloride	3.65	41	82603	8.961	ug/l	96
15) Acrylonitrile	4.21	53	51429	47.241	ug/l	96
16) Acetone	3.23	43	63490	45.602	ug/l	97
17) Carbon Disulfide	3.40	76	184468	8.526	ug/l	98
18) Methyl Acetate	3.66	43	25225	9.594	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	108767	9.483	ug/l	97
20) Methylene Chloride	3.84	84	84533	10.707	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	66190	9.085	ug/l	99
22) Diisopropyl ether	5.13	45	180625	9.303	ug/l	96
23) Vinyl Acetate	5.08	43	512110	49.406	ug/l	99
24) 1,1-Dichloroethane	5.00	63	100362	8.857	ug/l	100
25) 2-Butanone	6.09	43	74160	46.097	ug/l	97
26) 2,2-Dichloropropane	6.04	77	89839	9.348	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	69357	8.853	ug/l	87
28) Bromochloromethane	6.45	49	53221	11.220	ug/l	90
29) Tetrahydrofuran	6.47	42	39298	49.075	ug/l	99
30) Chloroform	6.68	83	110745	9.166	ug/l	95
31) Cyclohexane	6.97	56	78652	8.551	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	97734	9.136	ug/l	96
36) 1,1-Dichloropropene	7.16	75	86660	9.127	ug/l	96
37) Ethyl Acetate	6.19	43	39369	9.956	ug/l	97
38) Carbon Tetrachloride	7.12	117	100281	8.936	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	79557	8.083	ug/l	97
40) Benzene	7.47	78	212047	8.983	ug/l	99
41) Methacrylonitrile	6.46	41	44868	9.730	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	65869	8.955	ug/l	99
43) Isopropyl Acetate	9.24	43	51292	8.967	ug/l #	94
44) Trichloroethene	8.55	130	73392	8.603	ug/l	97
45) 1,2-Dichloropropane	8.94	63	48910	8.401	ug/l	93
46) Dibromomethane	9.07	93	34850	8.730	ug/l	93
47) Bromodichloromethane	9.38	83	79505	8.499	ug/l	92
48) Methyl methacrylate	9.12	41	29701	9.728	ug/l	99
49) 1,4-Dioxane	9.09	88	6165	184.032	ug/l #	92
51) 4-Methyl-2-Pentanone	10.30	43	161115	47.313	ug/l	97
52) Toluene	10.51	92	131339	9.099	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	72503	8.919	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	85736	8.637	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	46312	9.664	ug/l	96
56) Ethyl methacrylate	11.04	69	48683	9.520	ug/l	97
57) 1,3-Dichloropropane	11.41	76	66247	9.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	164502	61.837	ug/l	97
59) 2-Hexanone	11.53	43	123107	49.775	ug/l	100
60) Dibromochloromethane	11.69	129	65075	8.670	ug/l	98
61) 1,2-Dibromoethane	11.81	107	52435	9.365	ug/l	96
64) Tetrachloroethene	11.26	164	58917	9.146	ug/l	97
65) Chlorobenzene	12.40	112	168186	9.764	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	66819	10.005	ug/l	97
67) Ethyl Benzene	12.53	91	273389	10.371	ug/l	99
68) m/p-Xylenes	12.67	106	203841	19.809	ug/l	99
69) o-Xylene	13.05	106	95418	9.998	ug/l	100
70) Styrene	13.07	104	158491	9.785	ug/l	99
71) Bromoform	13.24	173	38775	9.488	ug/l	95
73) Isopropylbenzene	13.40	105	260514	9.009	ug/l	97
74) N-amyl acetate	13.27	43	69175	9.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	51670	9.215	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	51390	9.295	ug/l	97
77) Bromobenzene	13.67	156	71791	8.888	ug/l	95
78) n-propylbenzene	13.78	91	281072	8.616	ug/l	94
79) 2-Chlorotoluene	13.84	91	159624	8.421	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	195140	8.555	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	16135	9.248	ug/l	96
82) 4-Chlorotoluene	13.95	91	189887	9.145	ug/l	97
83) tert-Butylbenzene	14.19	119	230557	8.852	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	195140	8.555	ug/l	97
85) sec-Butylbenzene	14.37	105	255653	8.814	ug/l	96
86) p-Isopropyltoluene	14.49	119	238057	9.199	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	126250	8.818	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	125197	9.028	ug/l	99
89) n-Butylbenzene	14.80	91	219622	9.559	ug/l	97
90) Hexachloroethane	15.01	117	57081	8.227	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	114394	10.014	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	5468	7.804	ug/l	82

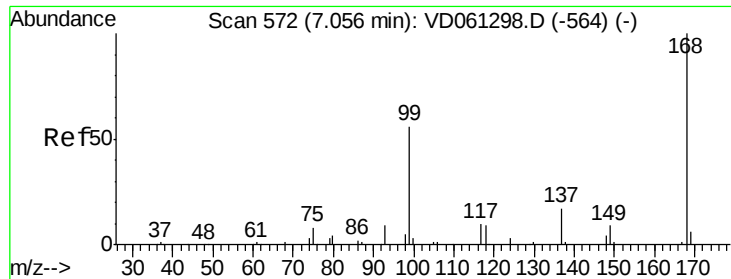
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	47144	8.936	ug/l	99
94) Hexachlorobutadiene	16.04	225	34747	8.173	ug/l	99
95) Naphthalene	16.12	128	66673	8.662	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	20610	8.364	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

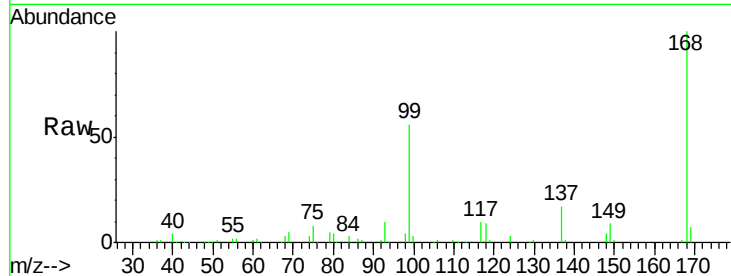
VSTDIC010

Tot Ion:168 Resp: 673828

Ion Ratio Lower Upper

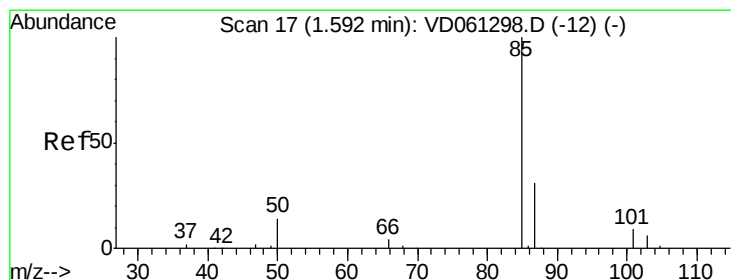
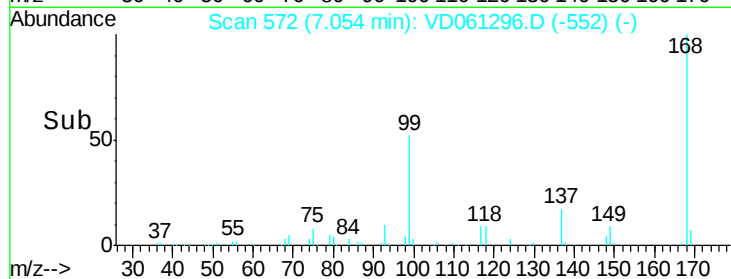
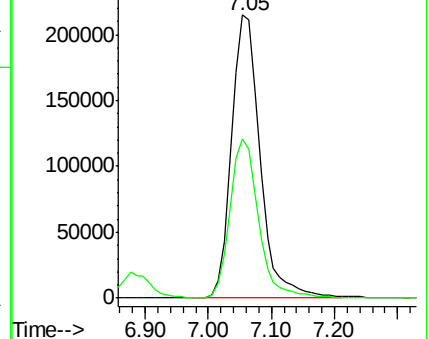
168 100

99 56.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 8.905 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.01 min

Lab File: VD061296.D

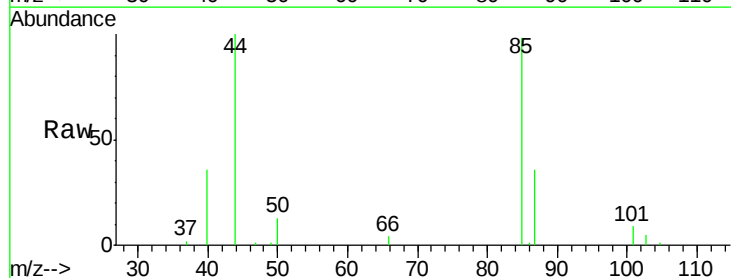
Acq: 25 Mar 2019 11:19

Tgt Ion: 85 Resp: 61388

Ion Ratio Lower Upper

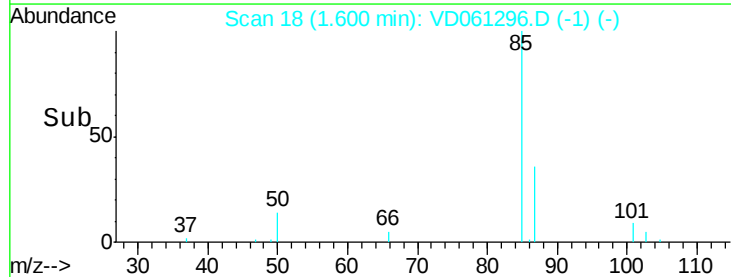
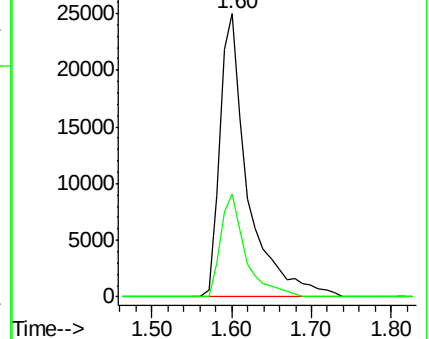
85 100

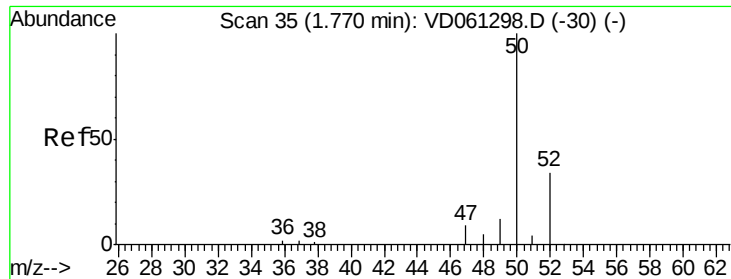
87 36.3 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.979 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

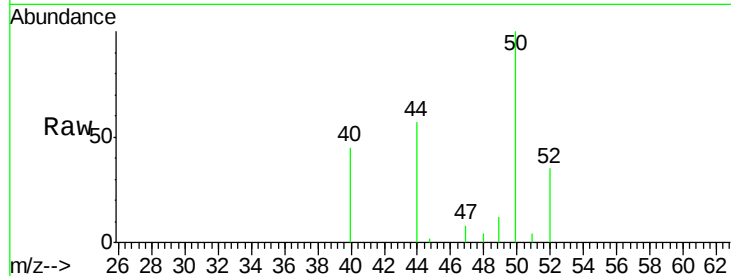
VSTDIC010

Tot Ion: 50 Resp: 48275

Ion Ratio Lower Upper

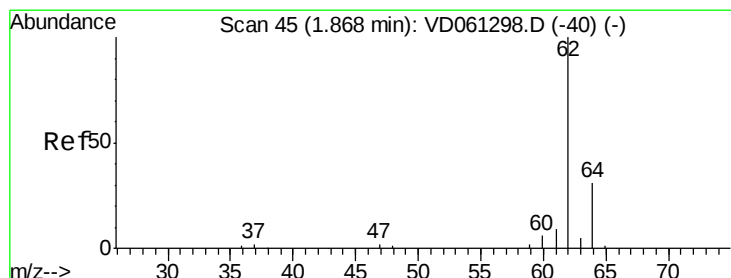
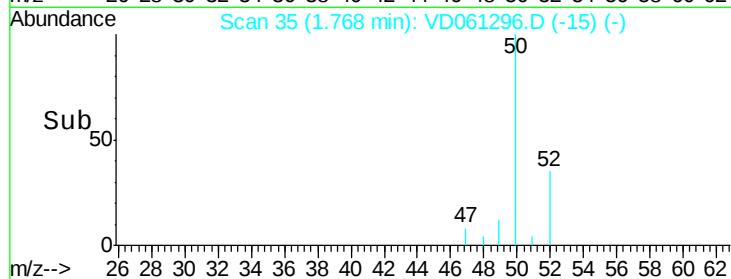
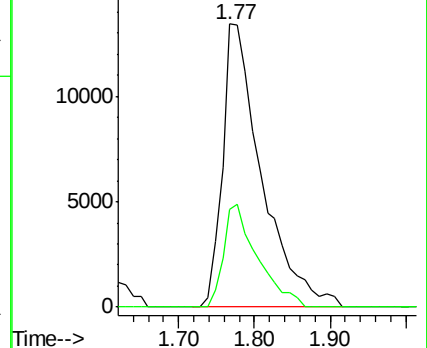
50 100

52 34.6 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: 9.099 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061296.D

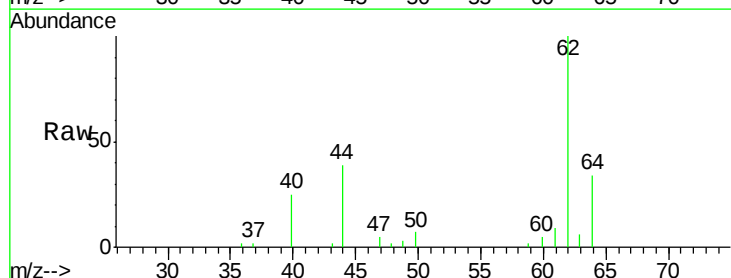
Acq: 25 Mar 2019 11:19

Tgt Ion: 62 Resp: 45734

Ion Ratio Lower Upper

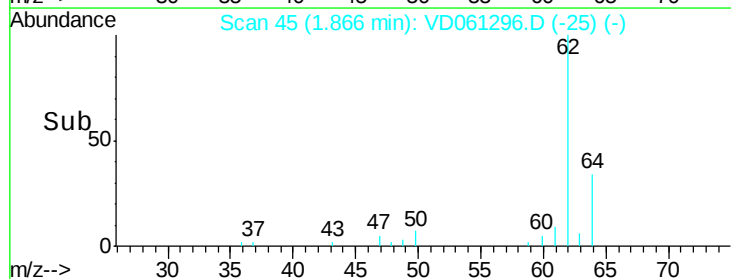
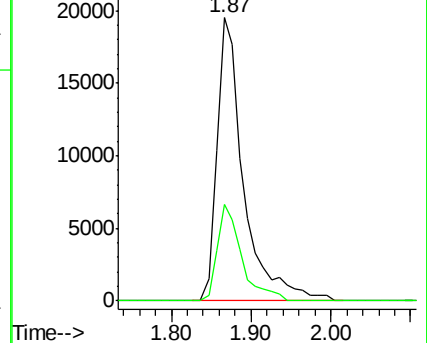
62 100

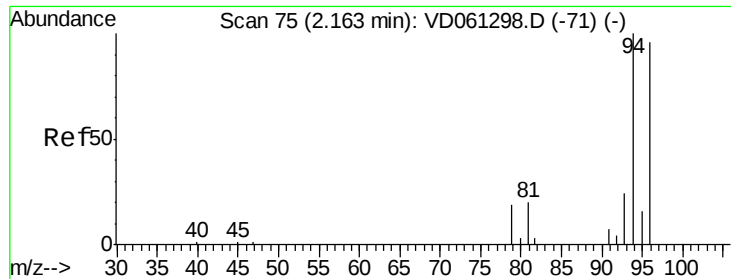
64 33.9 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.970 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

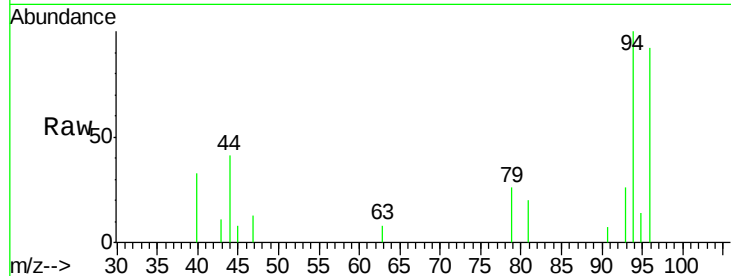
Tot Ion: 94 Resp: 9335

Ion Ratio Lower Upper

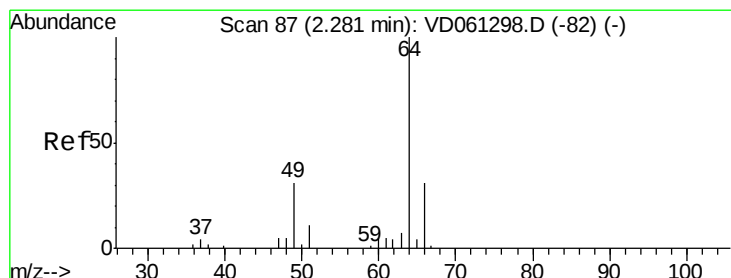
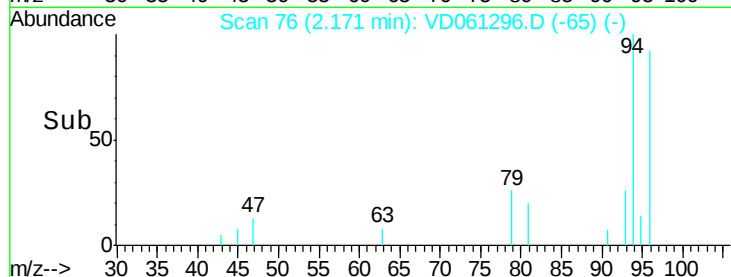
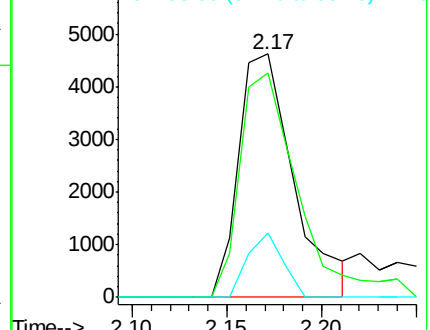
94 100

96 92.3 76.9 115.3

93 26.4 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: 9.168 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061296.D

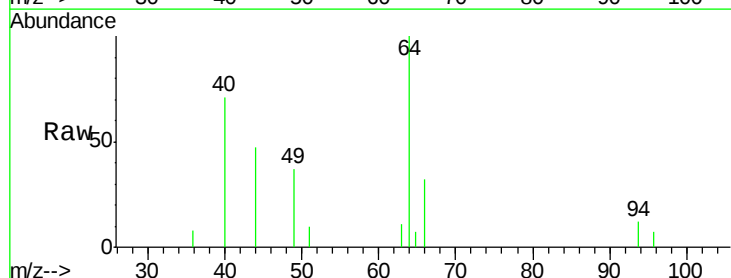
Acq: 25 Mar 2019 11:19

Tgt Ion: 64 Resp: 14504

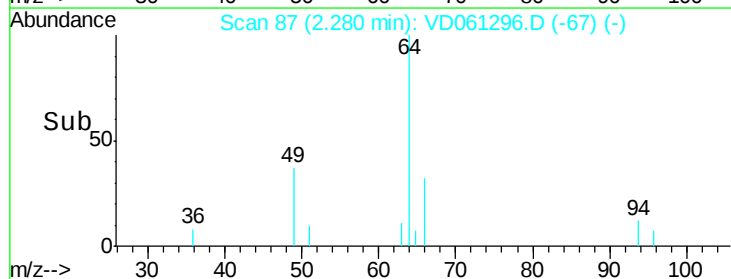
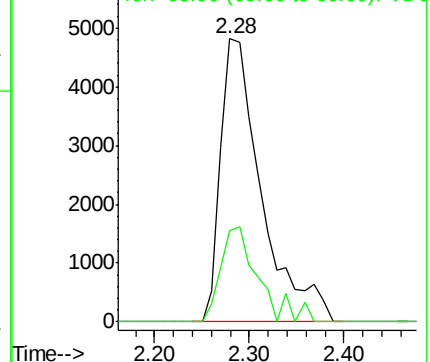
Ion Ratio Lower Upper

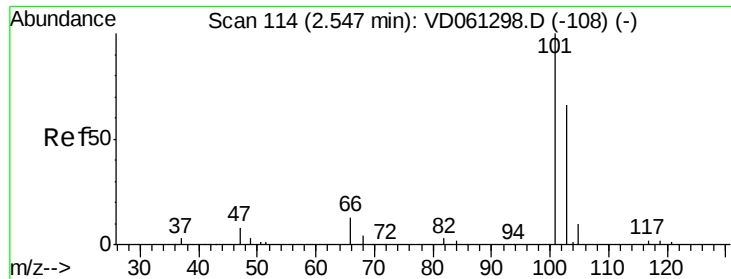
64 100

66 32.4 24.6 36.8



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



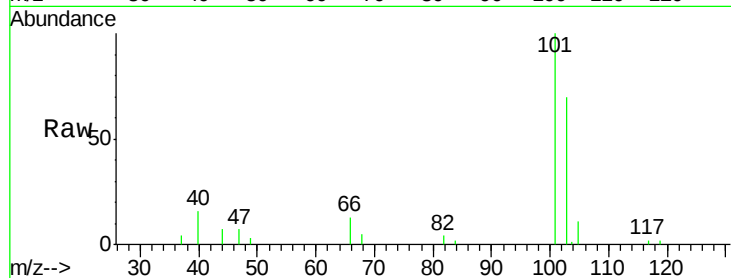


#7

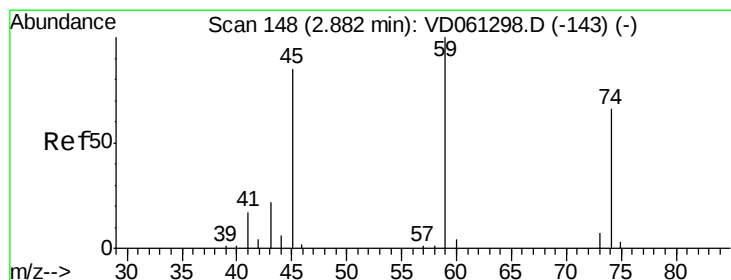
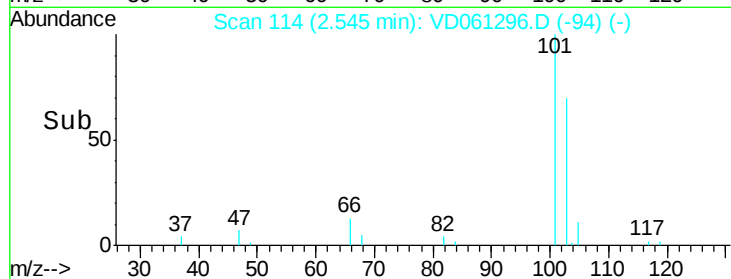
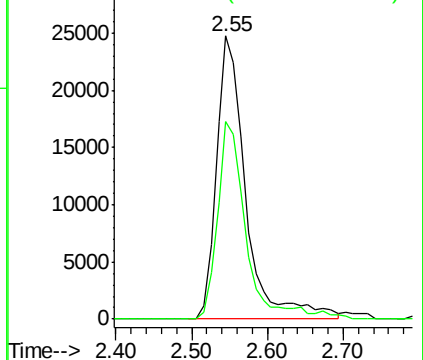
Trichlorofluoromethane
Concen: 8.983 ug/l
RT: 2.55 min Scan# 114
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Instrument :
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Tot Ion:101 Resp: 66853
Ion Ratio Lower Upper
101 100
103 70.0 52.6 79.0



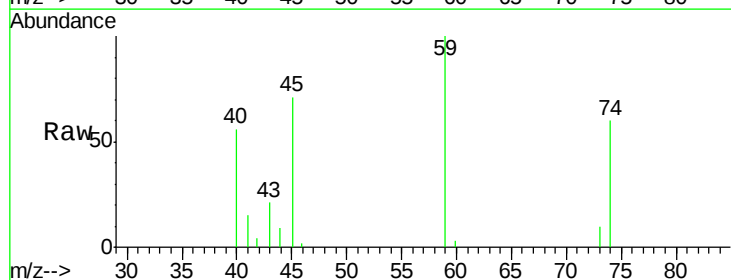
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



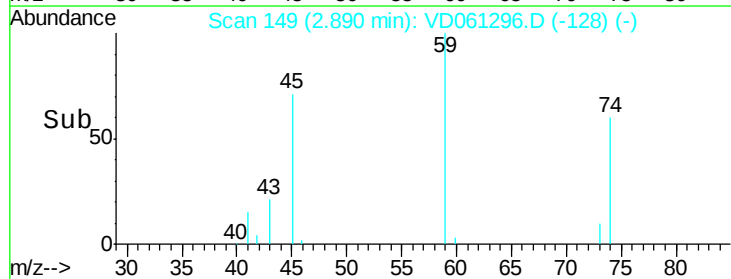
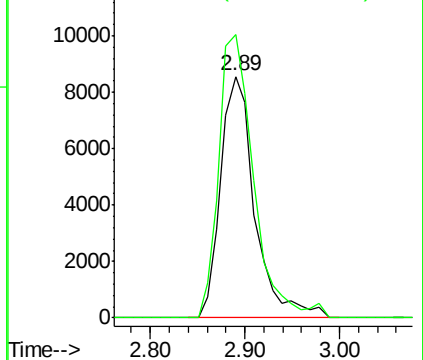
#8

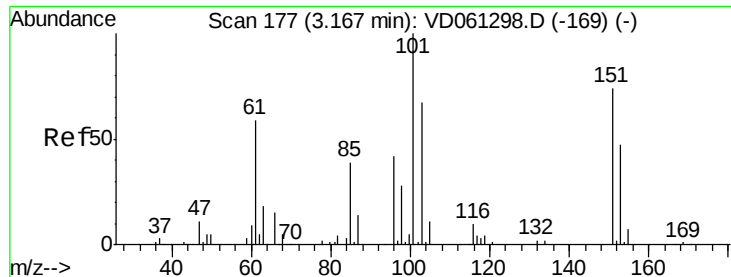
Diethyl Ether
Concen: 9.660 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 74 Resp: 21350
Ion Ratio Lower Upper
74 100
45 117.1 64.3 192.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.018 ug/l

RT: 3.18 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

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VSTDIC010

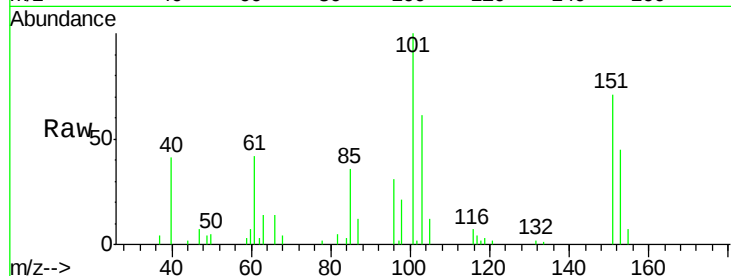
Tot Ion:101 Resp: 68223

Ion Ratio Lower Upper

101 100

85 36.1 31.6 47.4

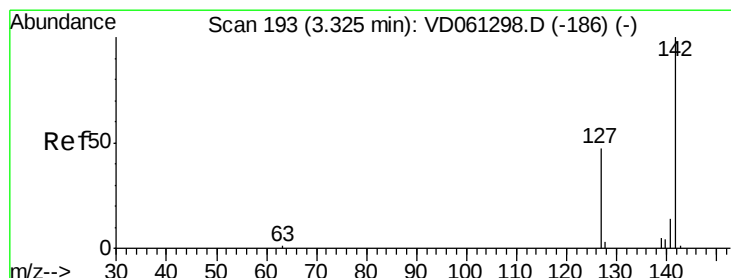
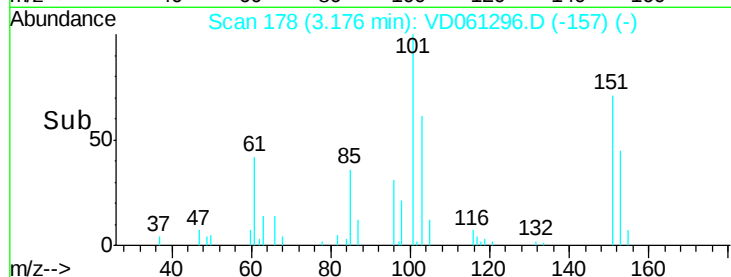
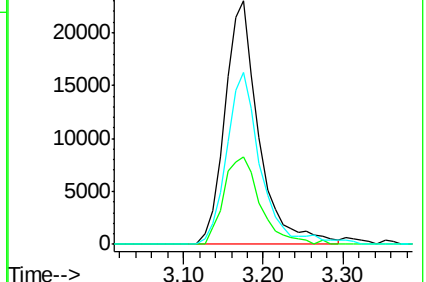
151 70.6 59.3 88.9



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: 7.768 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

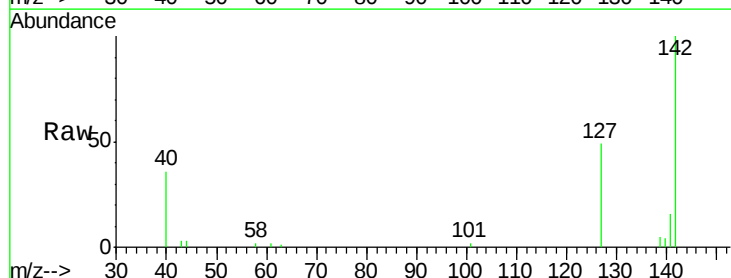
Tgt Ion:142 Resp: 82091

Ion Ratio Lower Upper

142 100

127 49.4 37.8 56.6

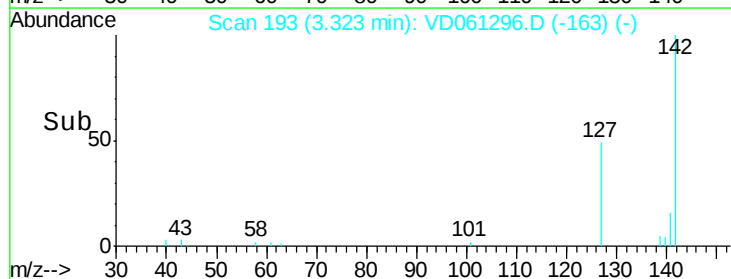
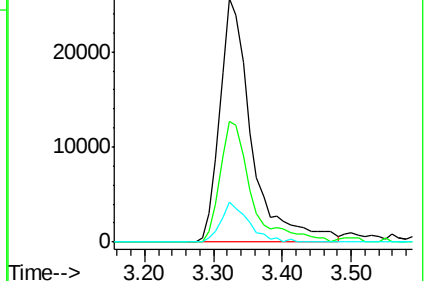
141 16.3 11.6 17.4

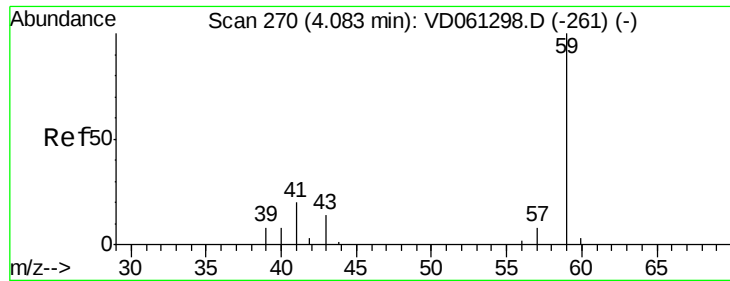


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

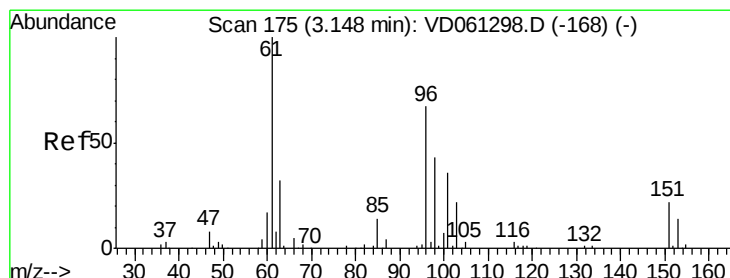
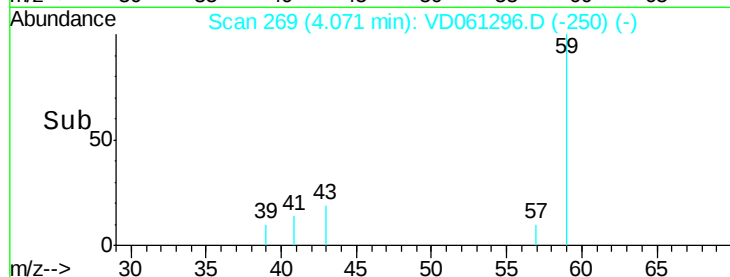
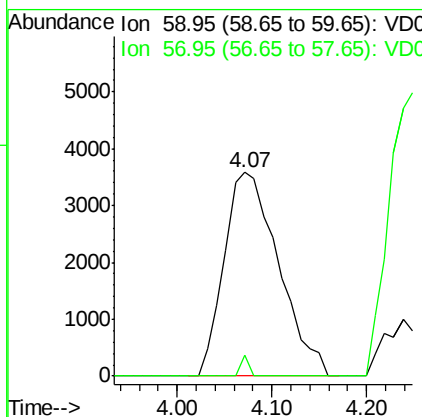
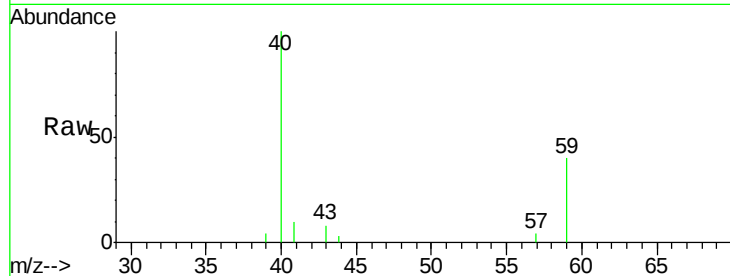




#11
Tert butyl alcohol
Concen: 46.306 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

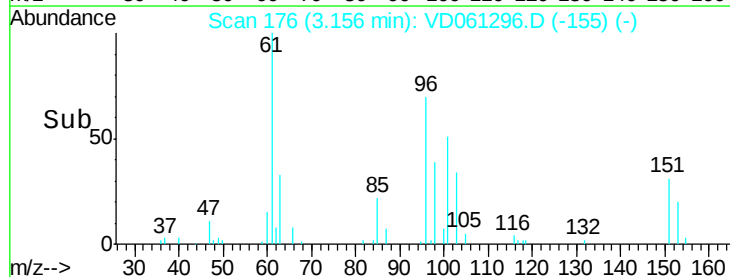
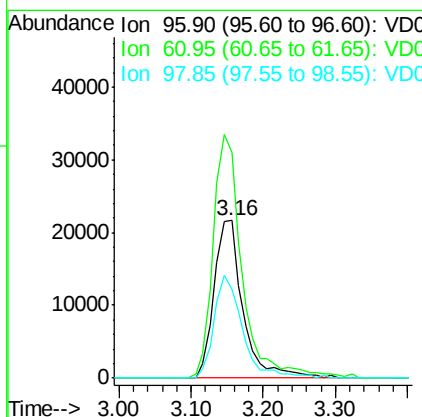
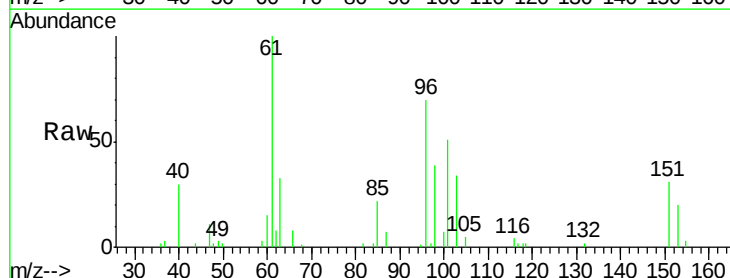
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

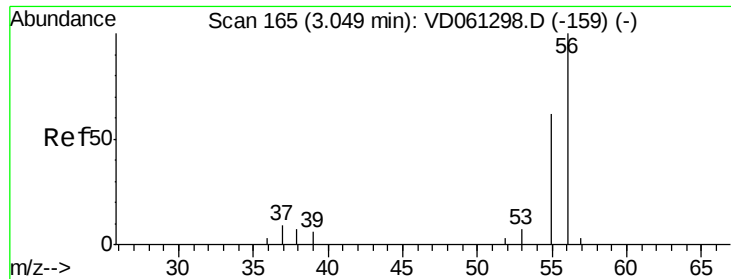
Tot Ion: 59 Resp: 14334
Ion Ratio Lower Upper
59 100
57 10.2 6.6 9.8#



#12
1,1-Dichloroethene
Concen: 9.175 ug/l
RT: 3.16 min Scan# 176
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 96 Resp: 59715
Ion Ratio Lower Upper
96 100
61 143.5 120.2 180.2
98 56.1 52.2 78.4





#13

Acrolein

Concen: 62.050 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

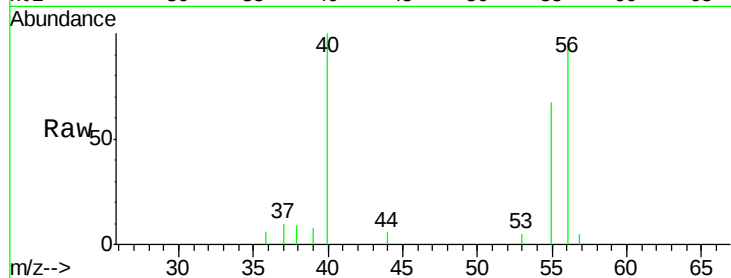
VSTDIC010

Tot Ion: 56 Resp: 21053

Ion Ratio Lower Upper

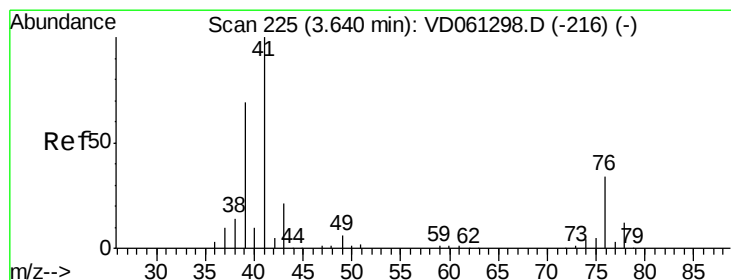
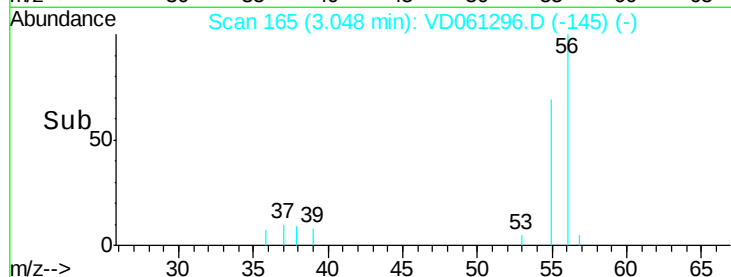
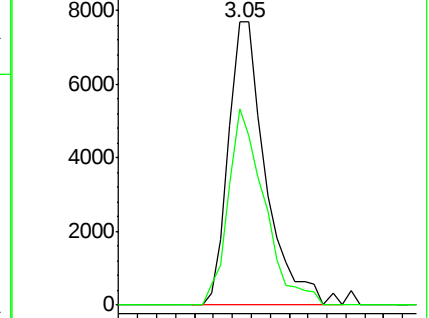
56 100

55 69.3 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: 8.961 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

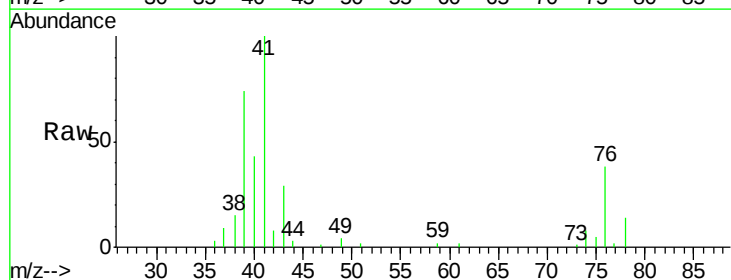
Tgt Ion: 41 Resp: 82603

Ion Ratio Lower Upper

41 100

39 74.4 55.1 82.7

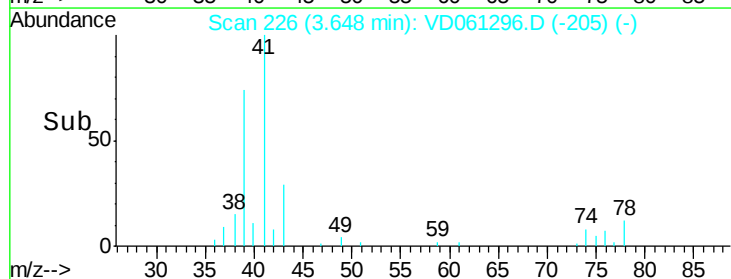
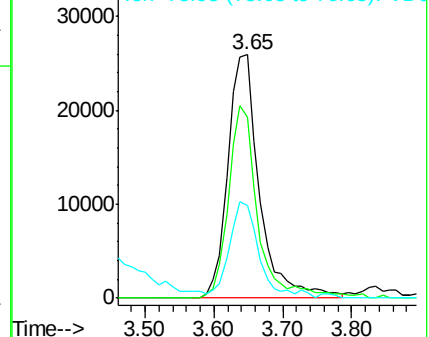
76 37.8 30.2 45.2

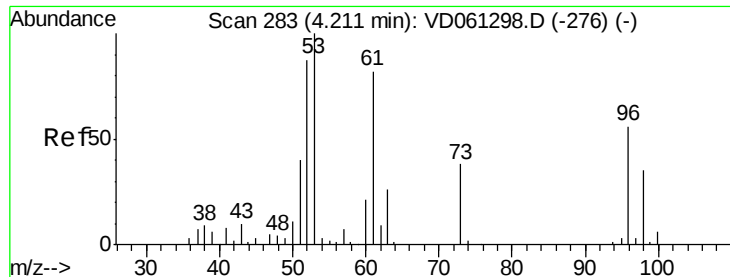


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 47.241 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

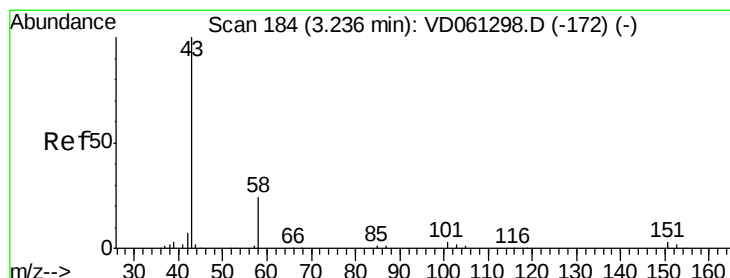
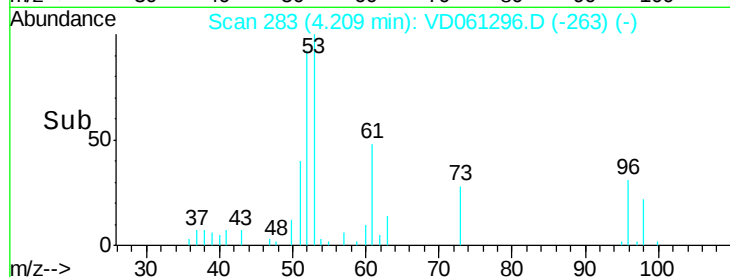
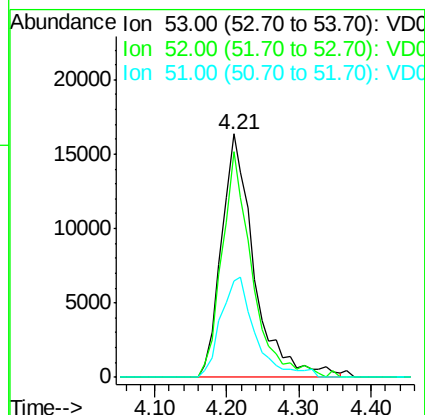
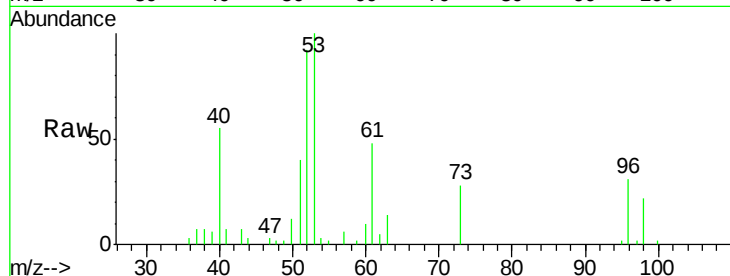
Tot Ion: 53 Resp: 51429

Ion Ratio Lower Upper

53 100

52 92.5 69.4 104.2

51 39.8 31.7 47.5



#16

Acetone

Concen: 45.602 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD061296.D

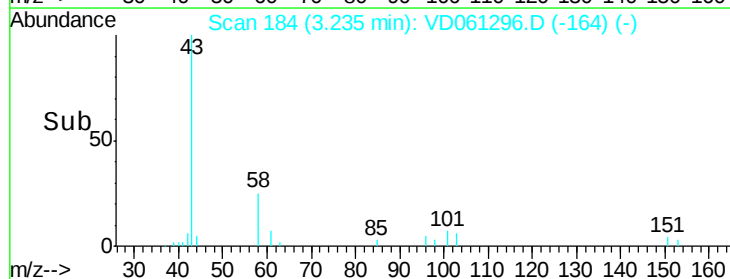
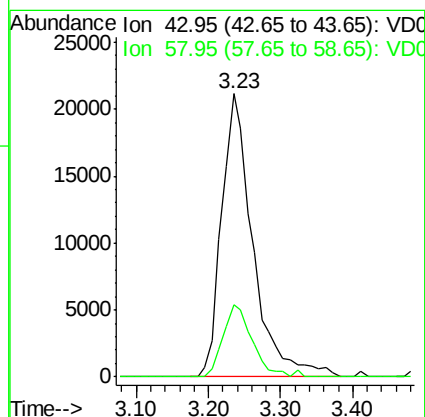
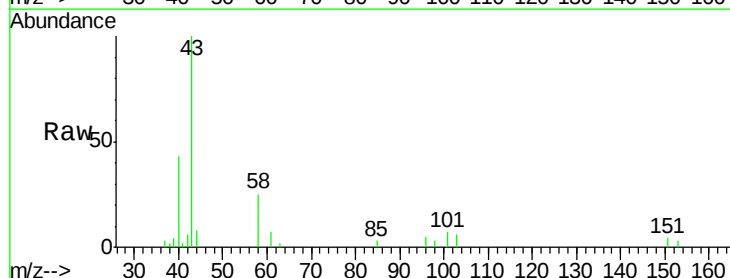
Acq: 25 Mar 2019 11:19

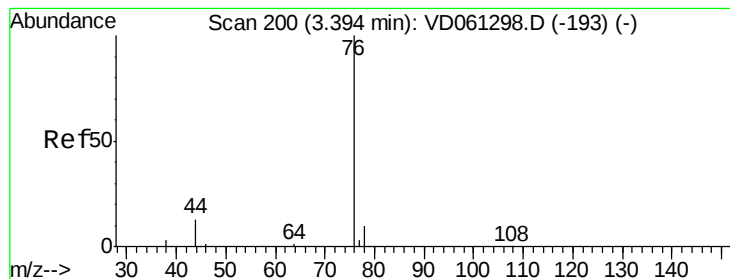
Tgt Ion: 43 Resp: 63490

Ion Ratio Lower Upper

43 100

58 25.5 19.4 29.0





#17

Carbon Disulfide

Concen: 8.526 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

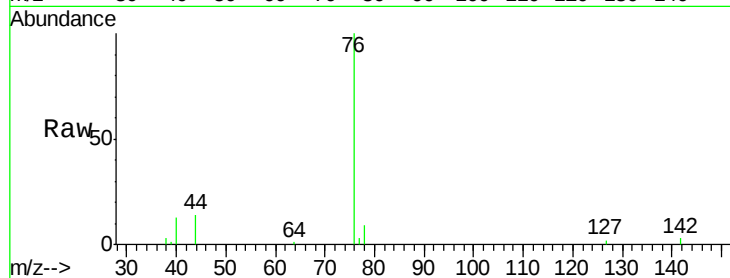
VSTDIC010

Tot Ion: 76 Resp: 184468

Ion Ratio Lower Upper

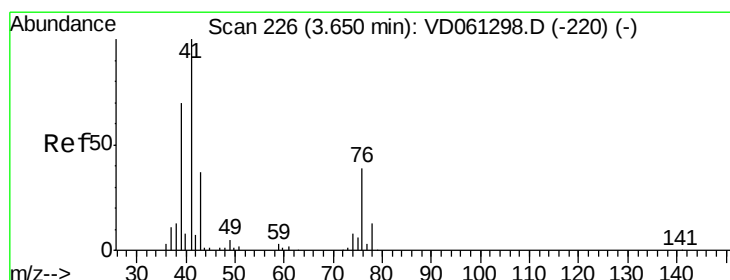
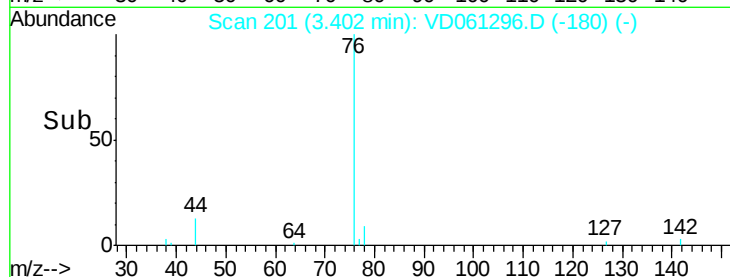
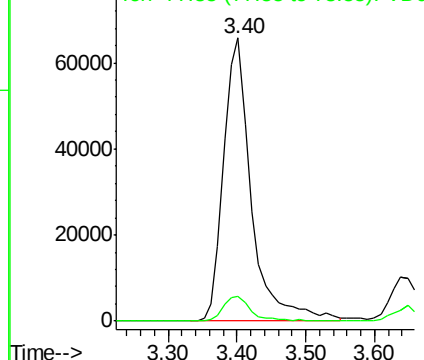
76 100

78 8.8 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: 9.594 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061296.D

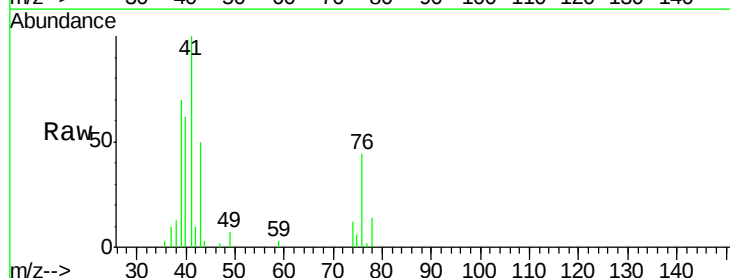
Acq: 25 Mar 2019 11:19

Tgt Ion: 43 Resp: 25225

Ion Ratio Lower Upper

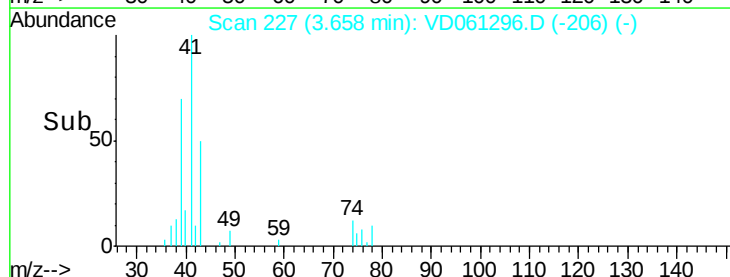
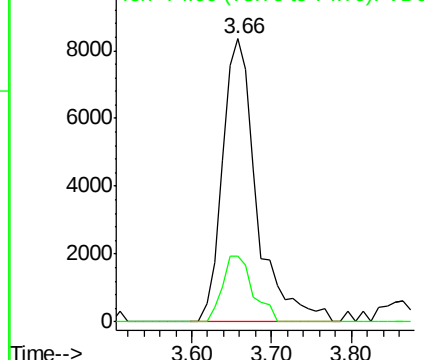
43 100

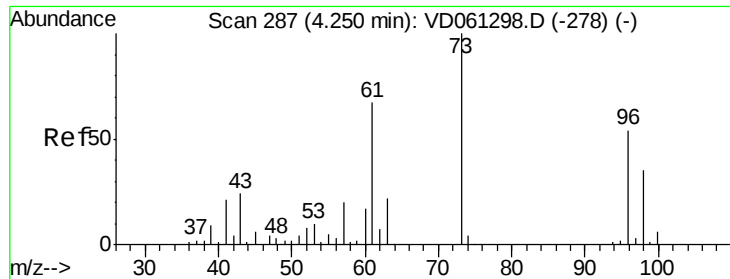
74 23.2 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

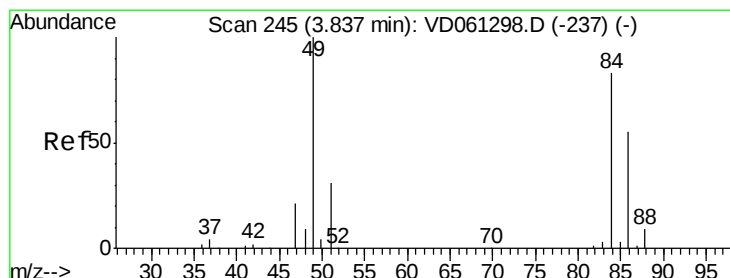
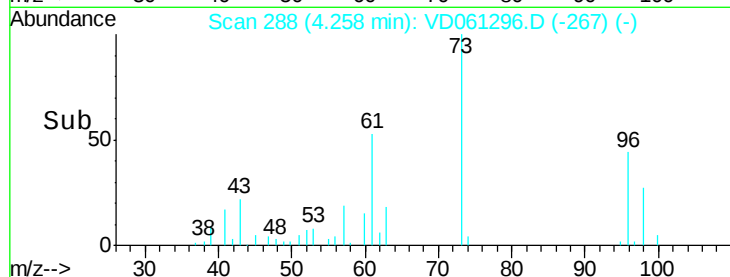
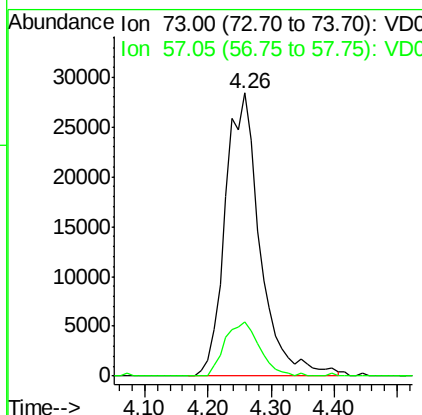
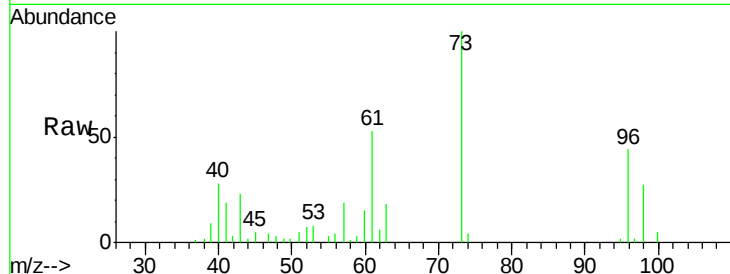




#19
Methvl tert-butvl Ether
Concen: 9.483 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

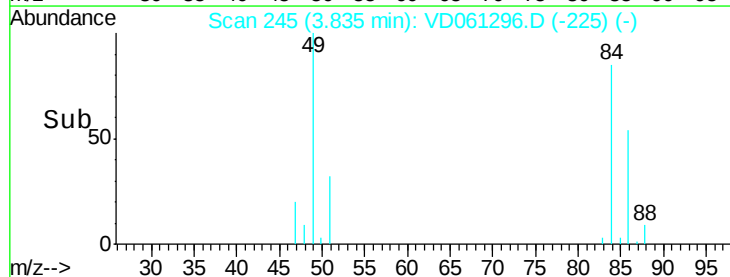
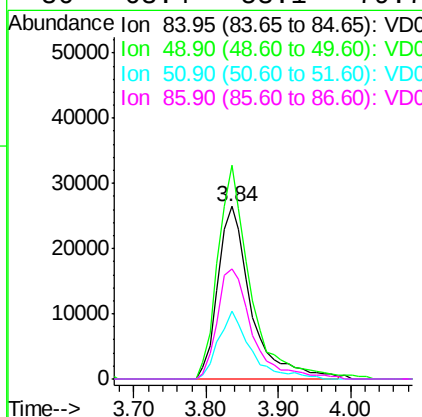
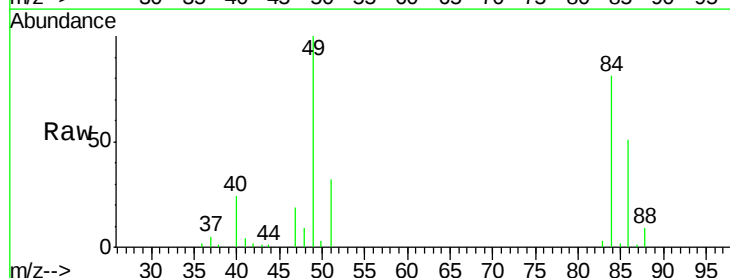
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

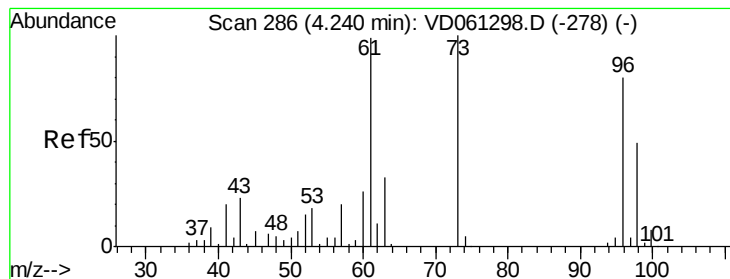
Tot Ion: 73 Resp: 108767
Ion Ratio Lower Upper
73 100
57 19.0 16.3 24.5



#20
Methylene Chloride
Concen: 10.707 ug/l
RT: 3.84 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 84 Resp: 84533
Ion Ratio Lower Upper
84 100
49 123.7 96.8 145.2
51 39.3 29.9 44.9
86 63.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 9.085 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

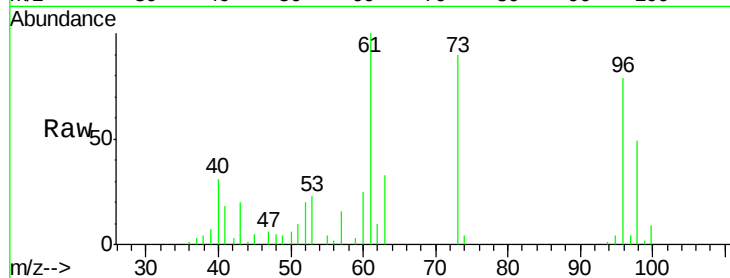
Tot Ion: 96 Resp: 66190

Ion Ratio Lower Upper

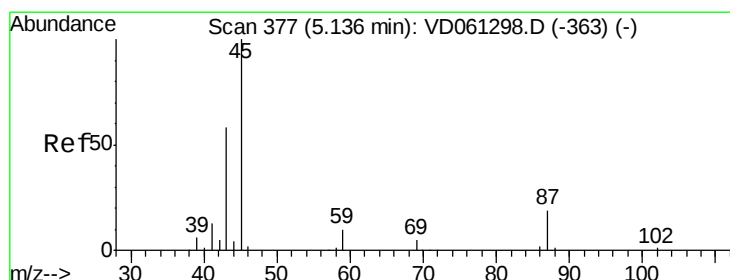
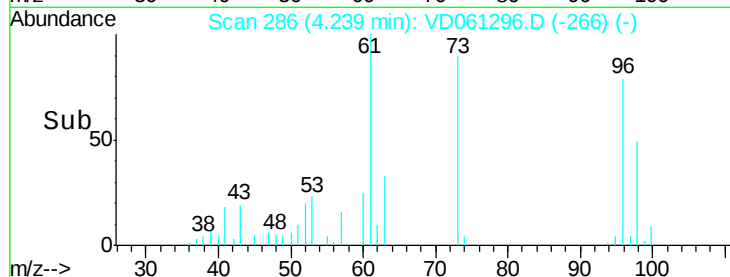
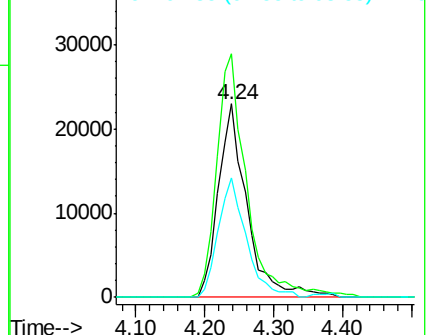
96 100

61 126.0 99.2 148.8

98 61.7 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: 9.303 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Tgt Ion: 45 Resp: 180625

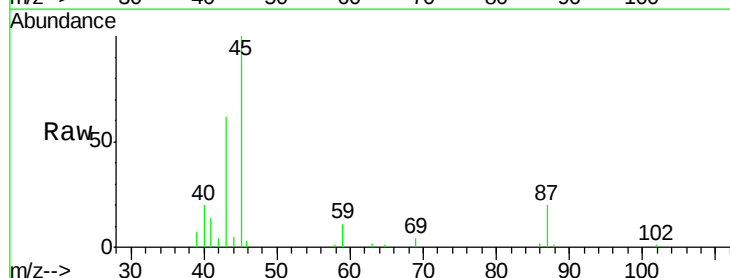
Ion Ratio Lower Upper

45 100

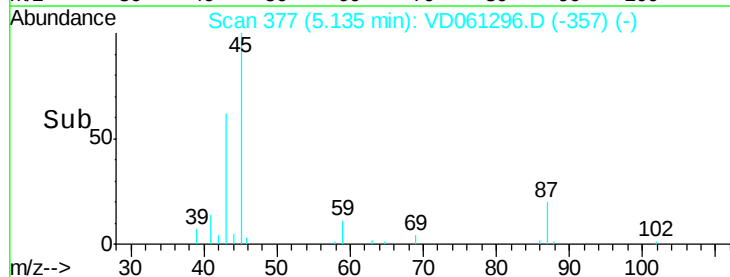
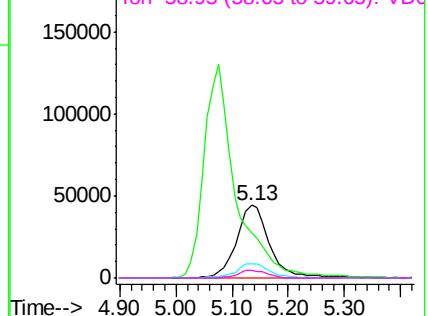
43 62.0 46.7 70.1

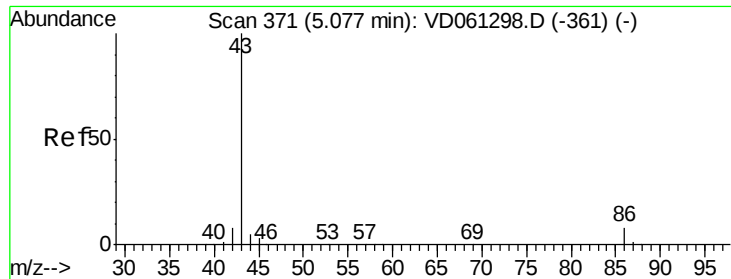
87 19.8 15.5 23.3

59 10.9 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: 49.406 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

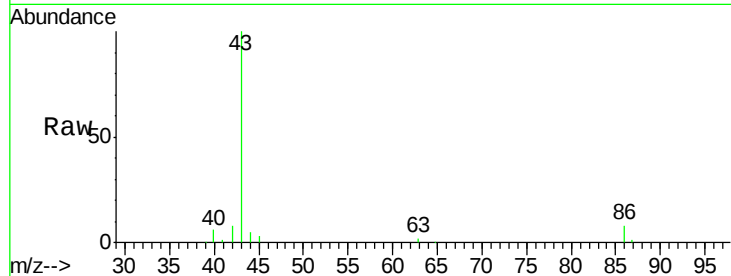
VSTDIC010

Tot Ion: 43 Resp: 512110

Ion Ratio Lower Upper

43 100

86 8.2 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

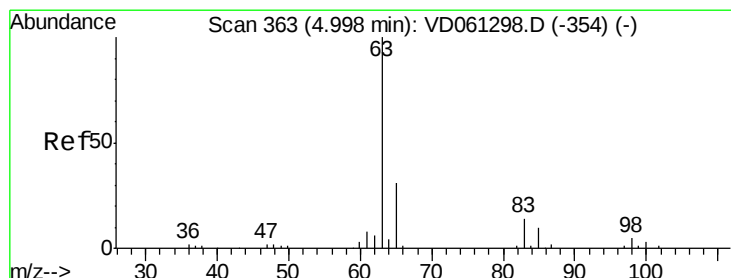
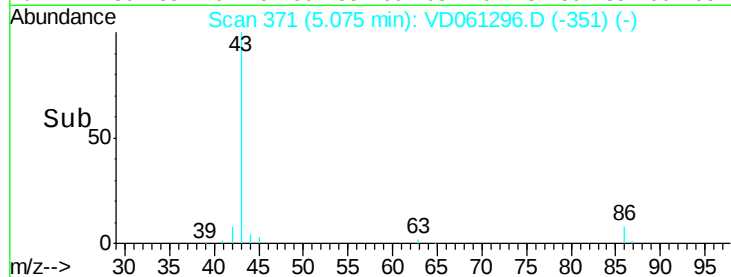
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 8.857 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

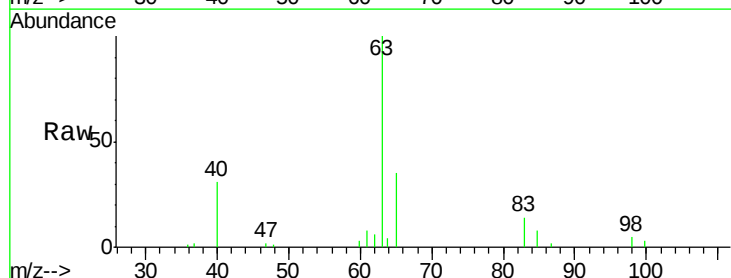
Tgt Ion: 63 Resp: 100362

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.2 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

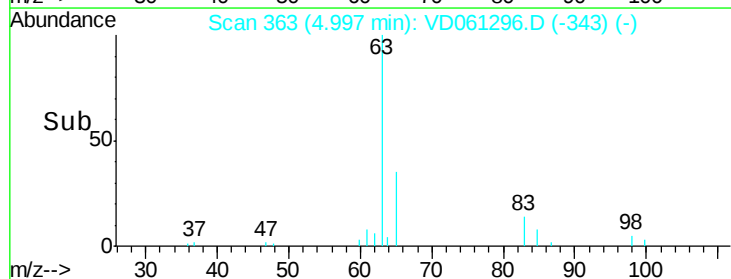
30000

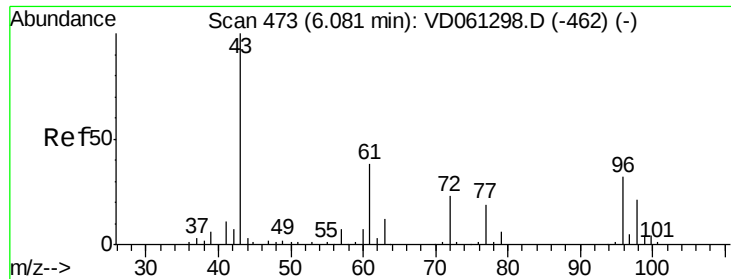
20000

10000

0

Time-->





#25

2-Butanone

Concen: 46.097 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

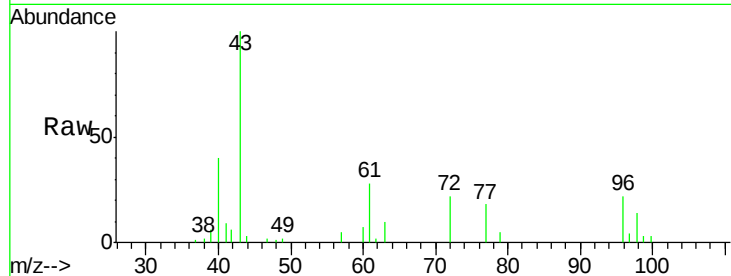
VSTDIC010

Tot Ion: 43 Resp: 74160

Ion Ratio Lower Upper

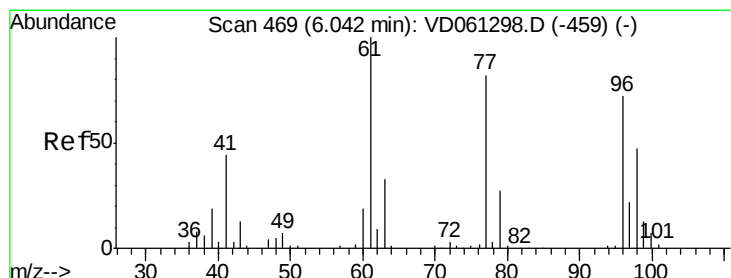
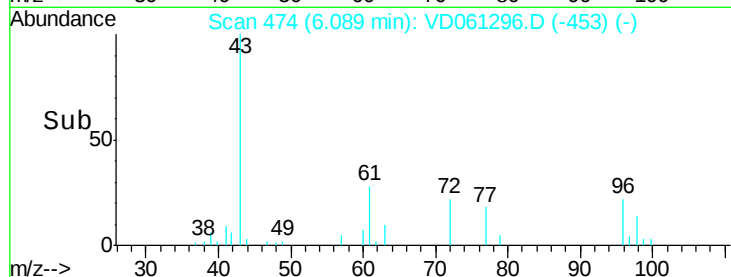
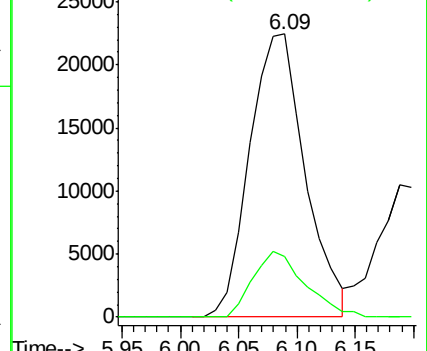
43 100

72 21.6 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.348 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061296.D

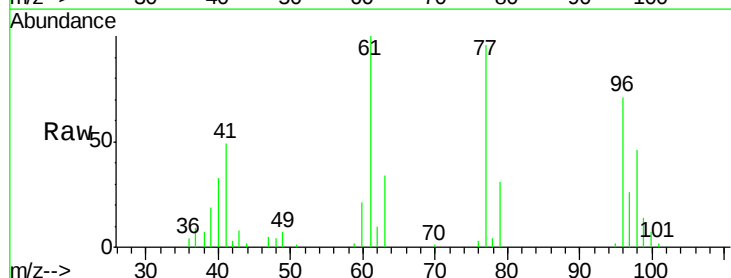
Acq: 25 Mar 2019 11:19

Tgt Ion: 77 Resp: 89839

Ion Ratio Lower Upper

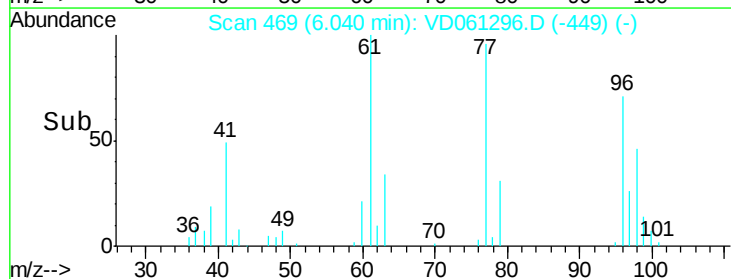
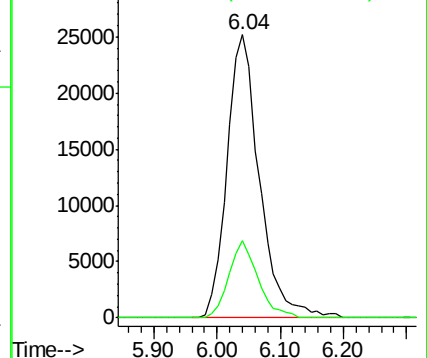
77 100

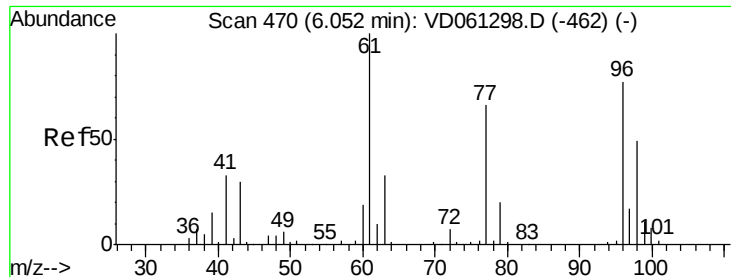
97 27.2 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



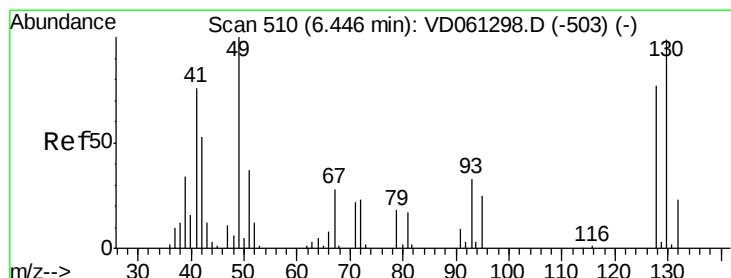
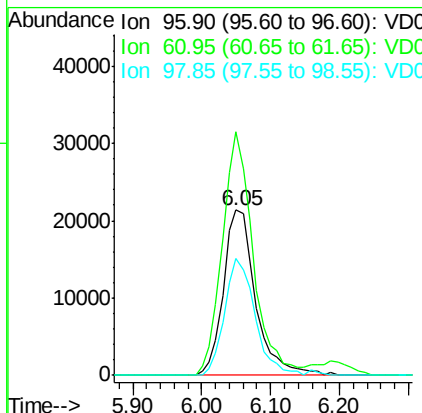
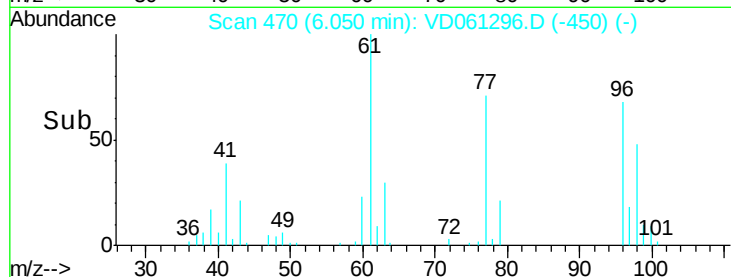
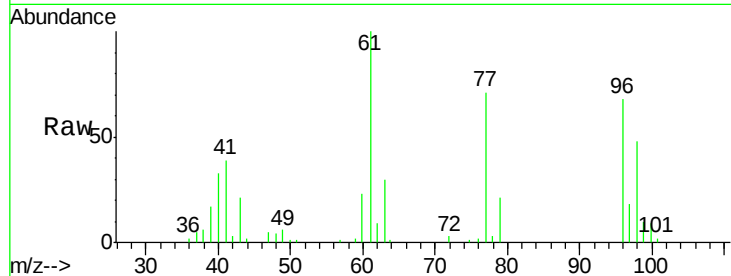


#27

cis-1,2-Dichloroethene
Concen: 8.853 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

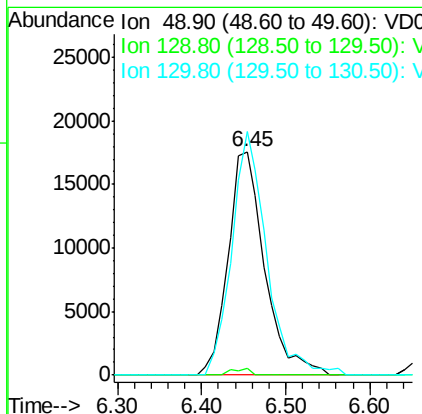
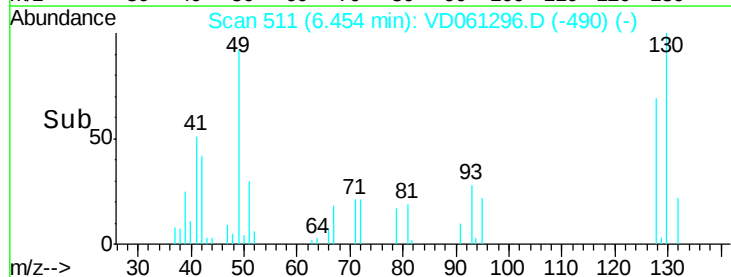
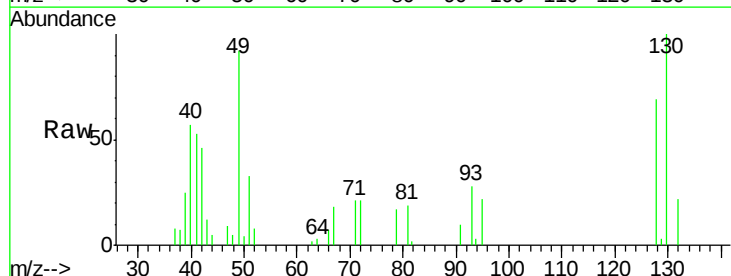
Tot Ion: 96 Resp: 69357
Ion Ratio Lower Upper
96 100
61 147.5 0.0 261.0
98 70.8 0.0 127.6

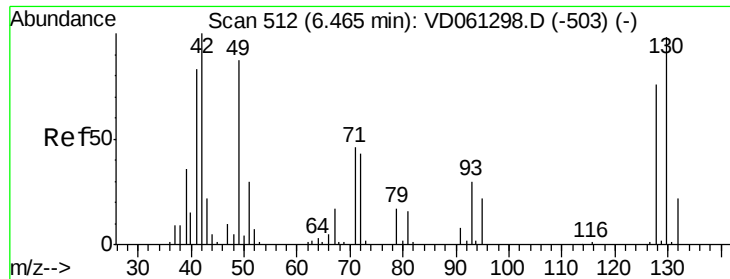


#28

Bromochloromethane
Concen: 11.220 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 49 Resp: 53221
Ion Ratio Lower Upper
49 100
129 3.3 0.0 5.2
130 108.9 79.0 118.6

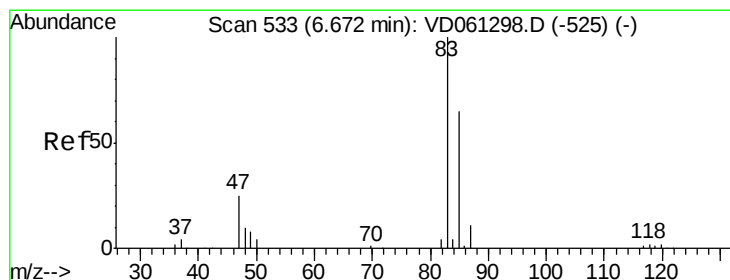
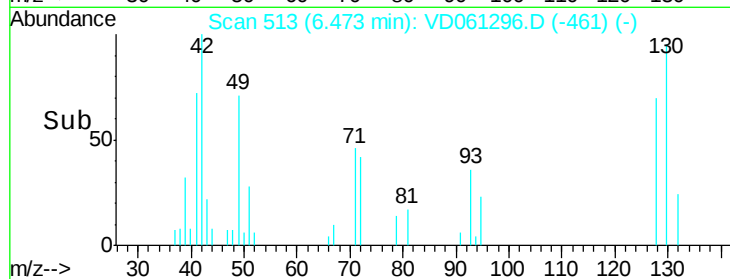
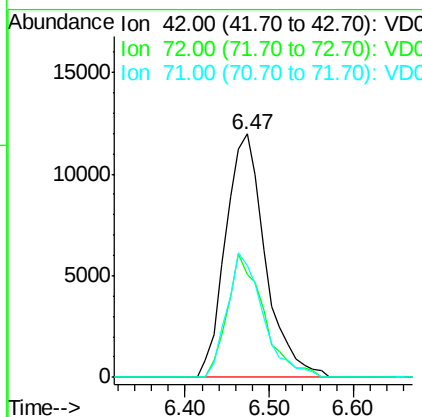
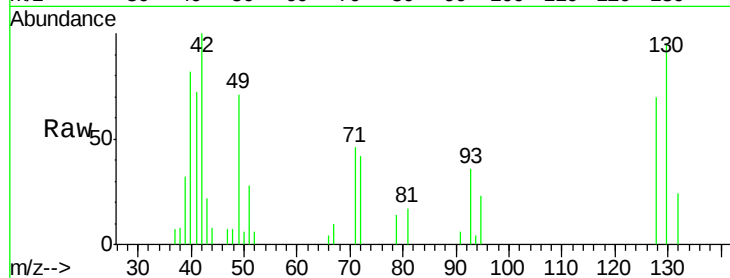




#29
Tetrahydrofuran
Concen: 49.075 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

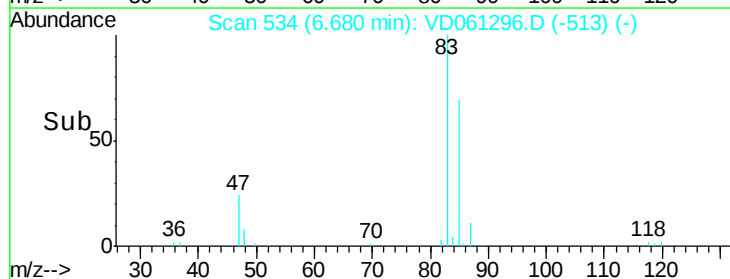
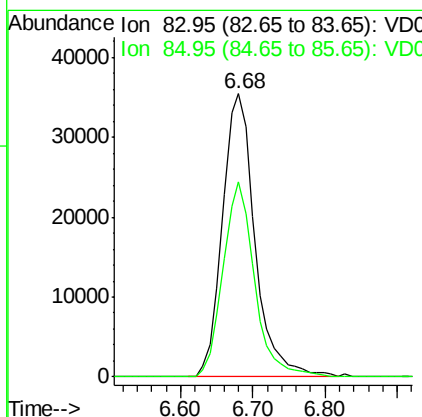
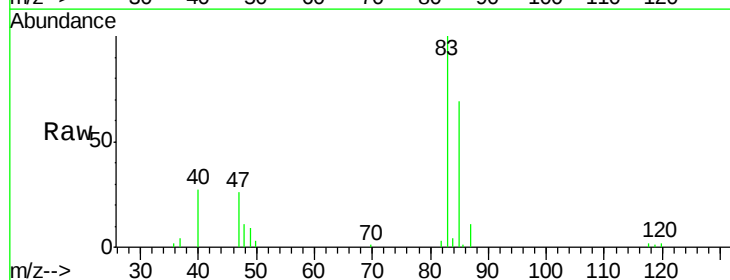
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

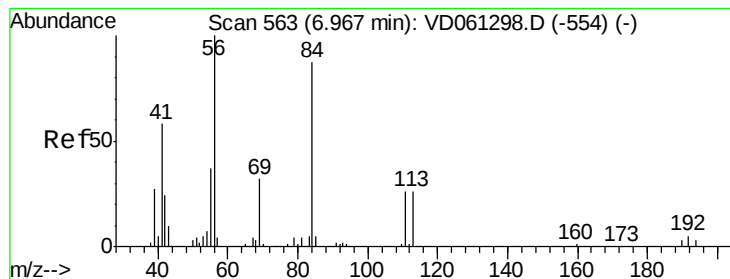
Tot Ion: 42 Resp: 39298
Ion Ratio Lower Upper
42 100
72 46.6 36.6 54.8
71 46.5 36.3 54.5



#30
Chloroform
Concen: 9.166 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 83 Resp: 110745
Ion Ratio Lower Upper
83 100
85 69.0 52.2 78.2





#31

Cvclohexane

Concen: 8.551 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

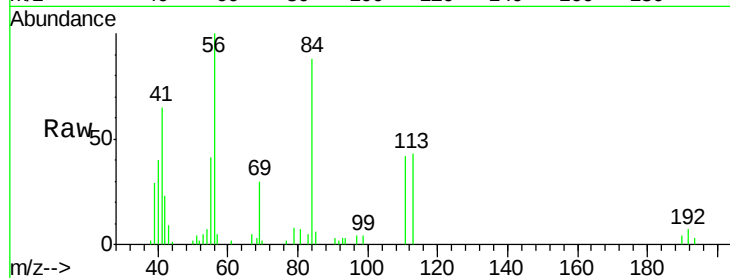
Tot Ion: 56 Resp: 78652

Ion Ratio Lower Upper

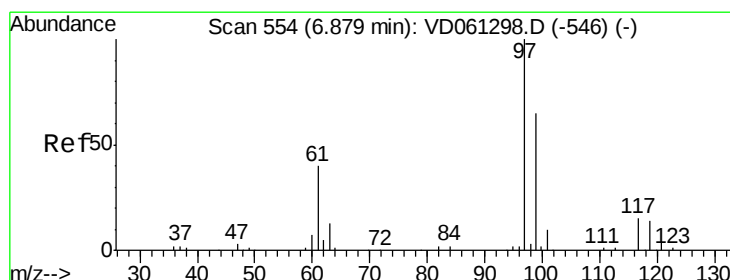
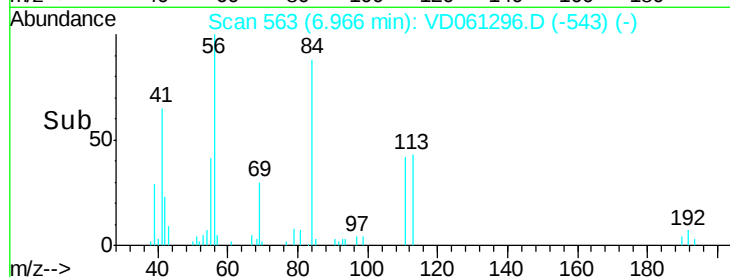
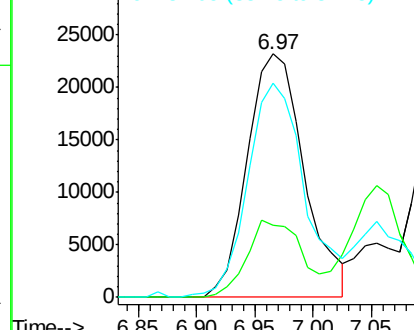
56 100

69 29.7 25.5 38.3

84 88.2 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: 9.136 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

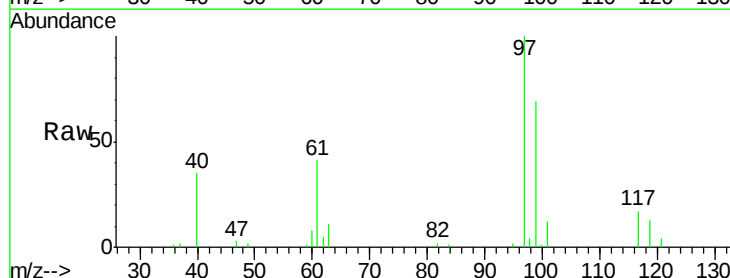
Tgt Ion: 97 Resp: 97734

Ion Ratio Lower Upper

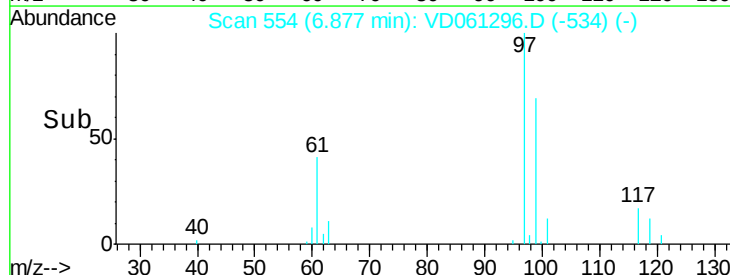
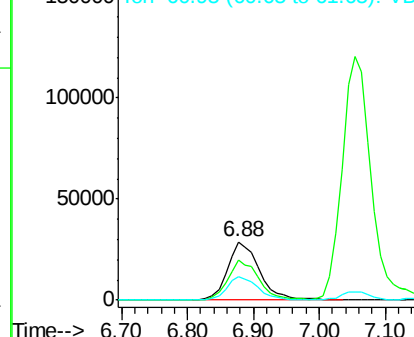
97 100

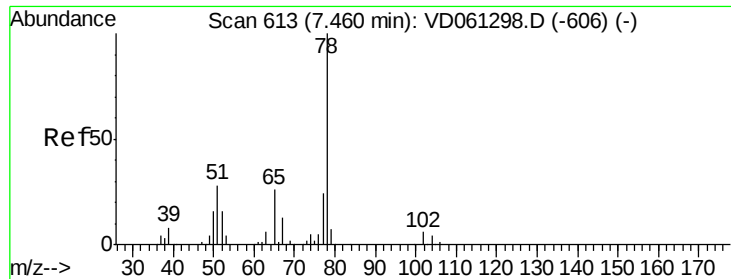
99 69.3 51.8 77.6

61 40.6 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

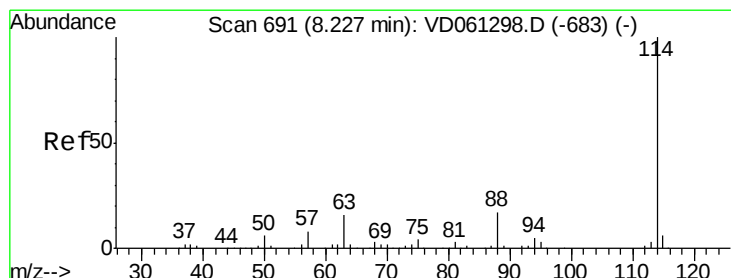
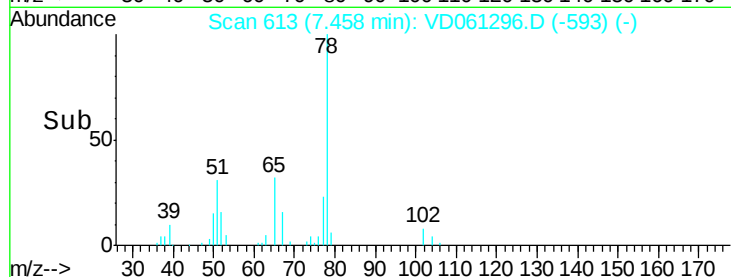
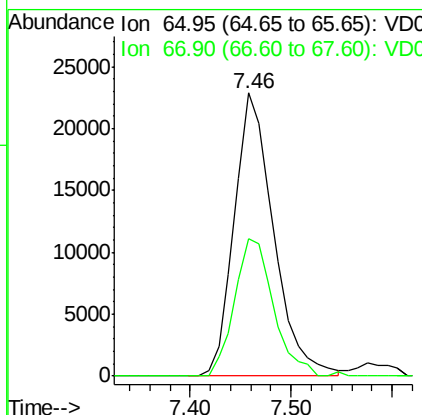
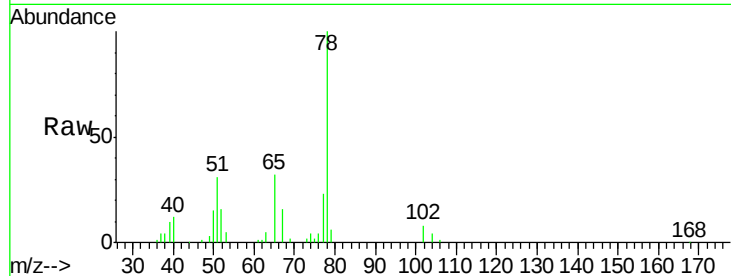




#33
 1,2-Dichloroethane-d4
 Concen: 9.136 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

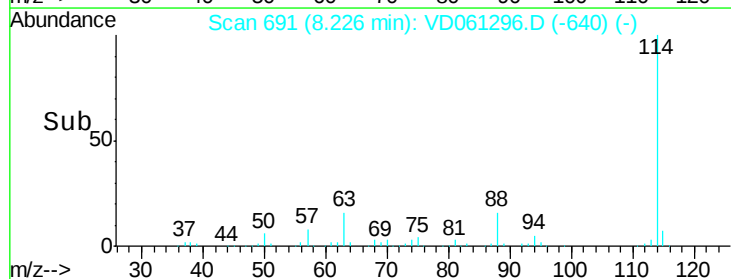
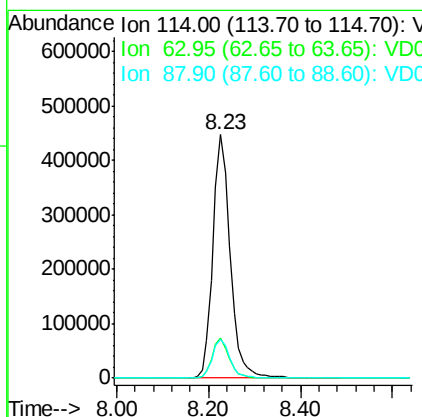
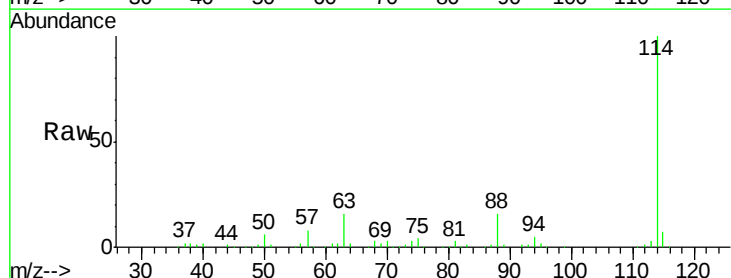
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

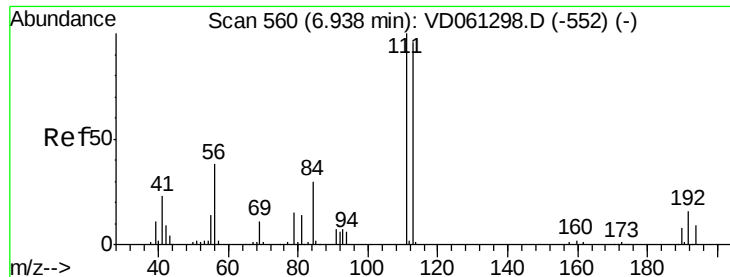
Tot Ion: 65 Resp: 62162
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion: 114 Resp: 1160948
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.1 0.0 33.2

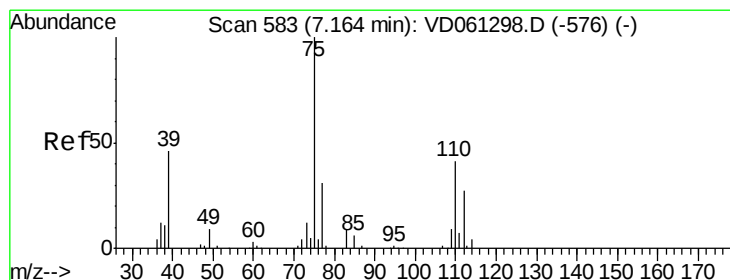
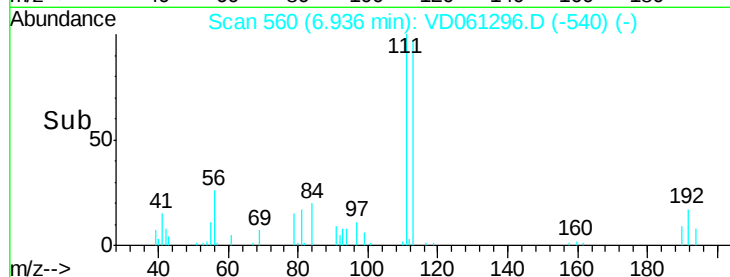
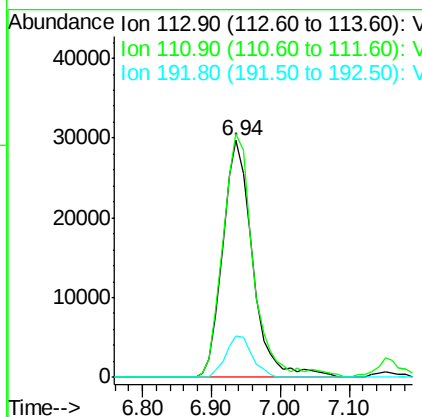
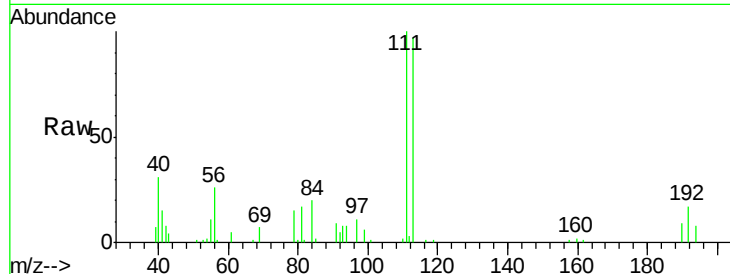




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

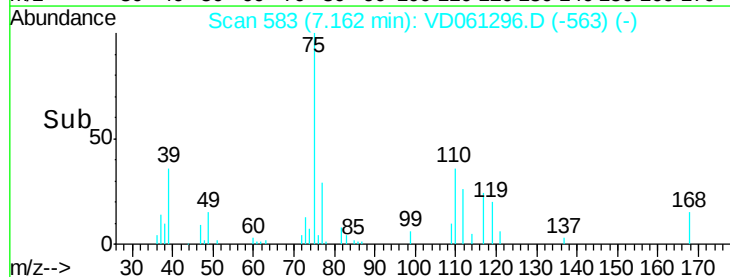
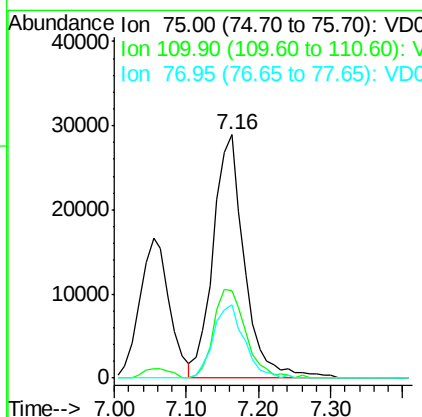
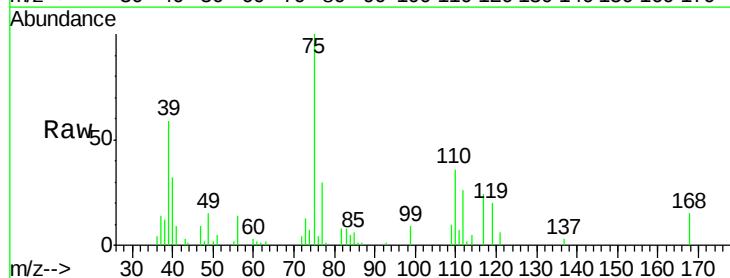
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

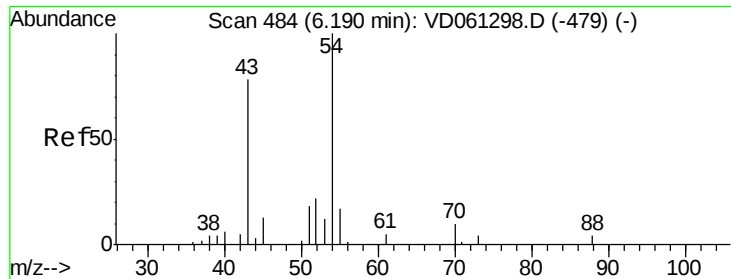
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.7	125.5
192	17.7	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 9.127 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	20.1	60.2
77	30.2	24.3	36.5

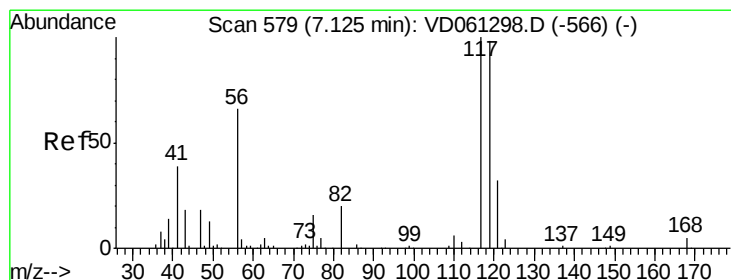
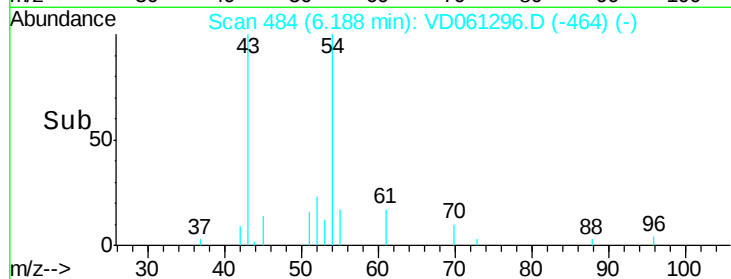
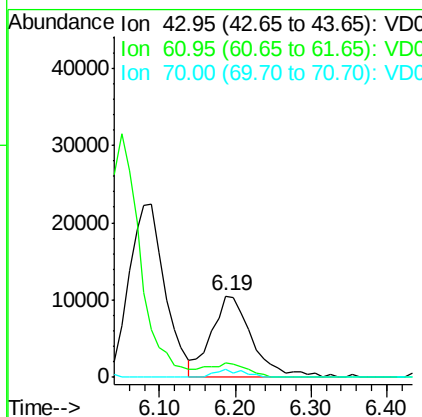
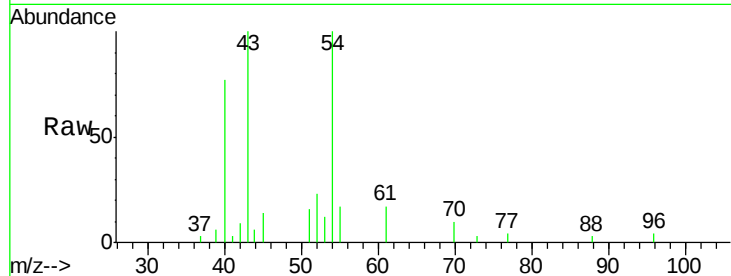




#37
Ethyl Acetate
Concen: 9.956 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

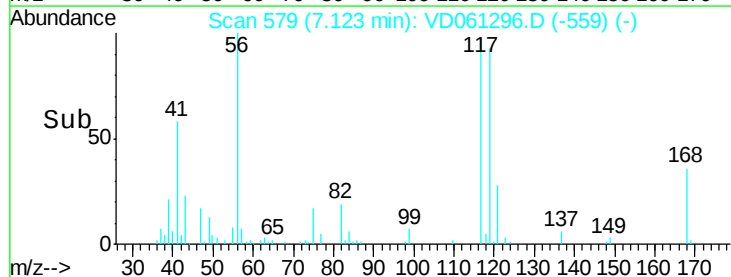
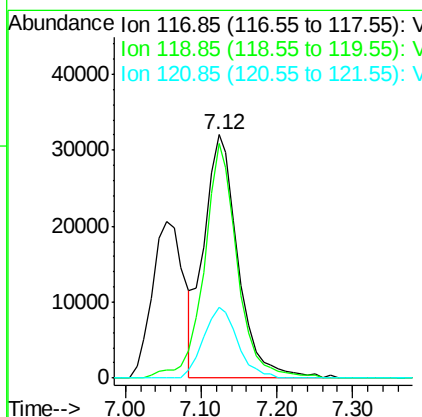
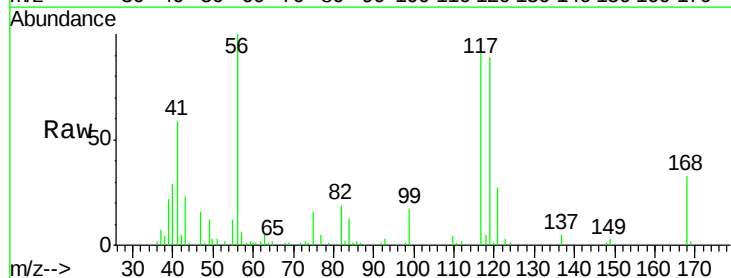
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

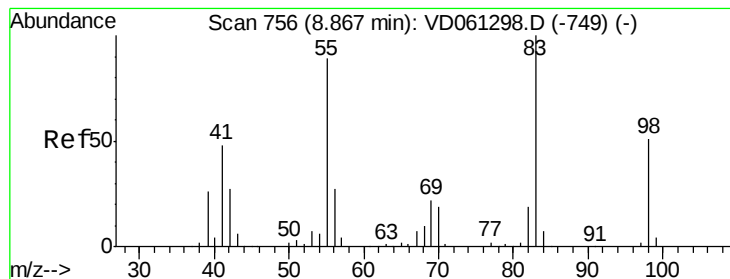
Tot Ion: 43 Resp: 39369
Ion Ratio Lower Upper
43 100
61 17.5 12.6 19.0
70 9.9 8.2 12.4



#38
Carbon Tetrachloride
Concen: 8.936 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 117 Resp: 100281
Ion Ratio Lower Upper
117 100
119 96.2 78.4 117.6
121 29.2 25.1 37.7





#39

Methvlcvclohexane

Concen: 8.083 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

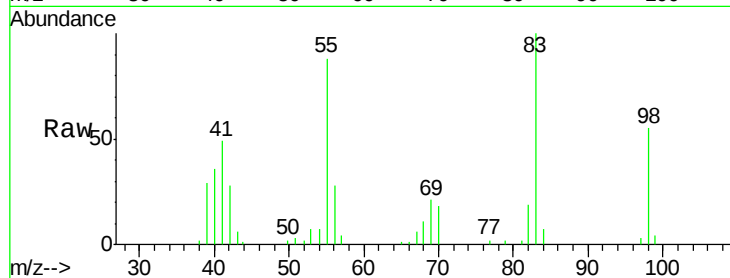
Tot Ion: 83 Resp: 79557

Ion Ratio Lower Upper

83 100

55 88.2 71.3 106.9

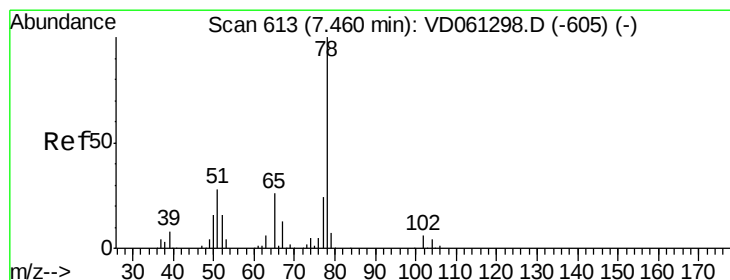
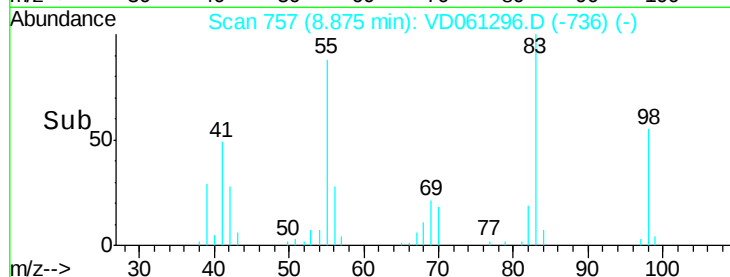
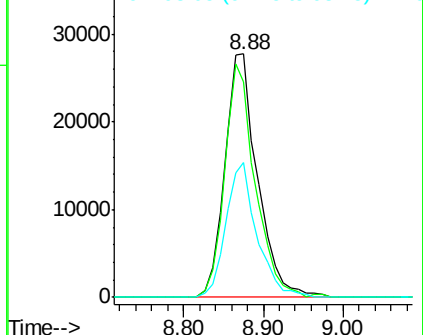
98 55.2 40.4 60.6



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: 8.983 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061296.D

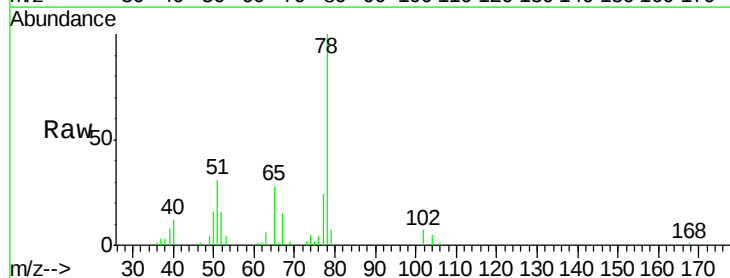
Acq: 25 Mar 2019 11:19

Tgt Ion: 78 Resp: 212047

Ion Ratio Lower Upper

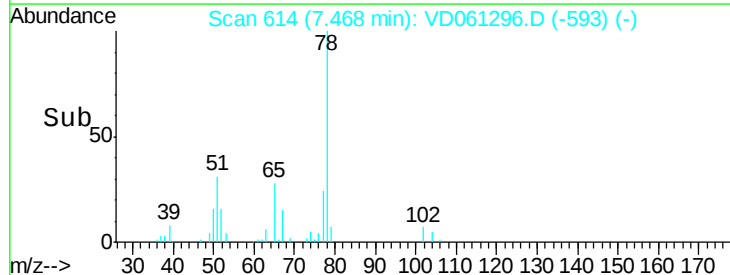
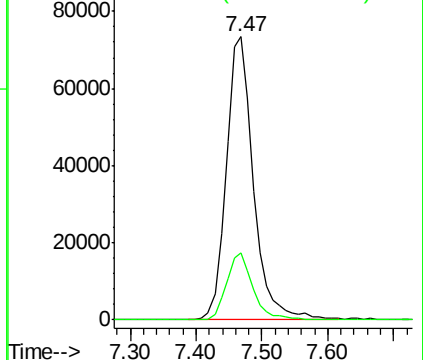
78 100

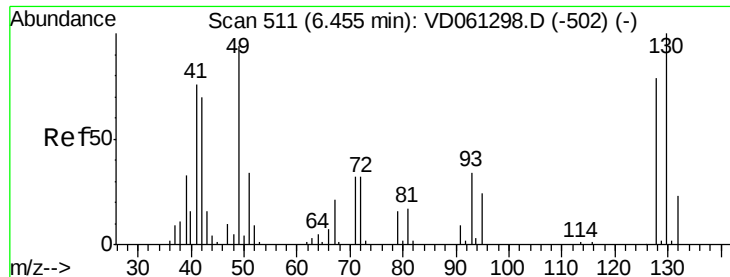
77 23.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 9.730 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 44868

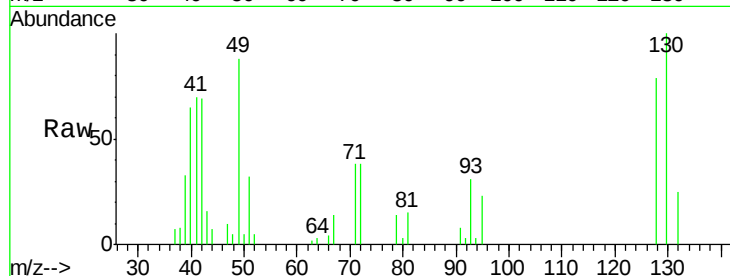
Ion Ratio Lower Upper

41 100

39 46.7 34.2 51.2

67 19.4 21.8 32.6#

52 6.7 9.0 13.4#

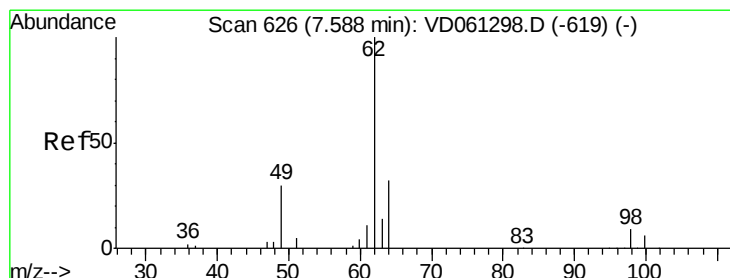
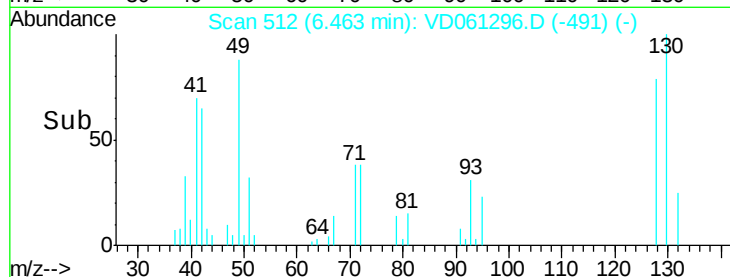
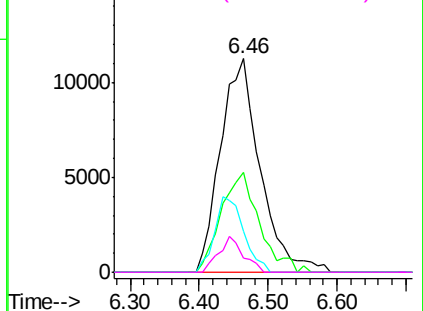


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 8.955 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD061296.D

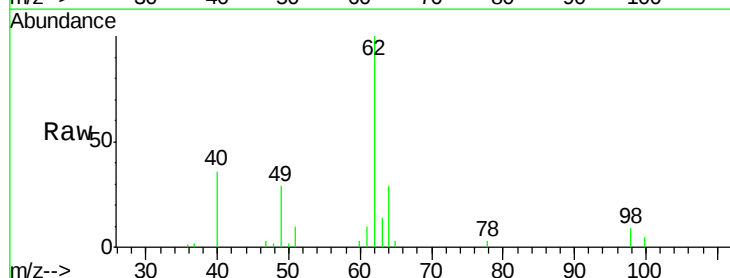
Acq: 25 Mar 2019 11:19

Tgt Ion: 62 Resp: 65869

Ion Ratio Lower Upper

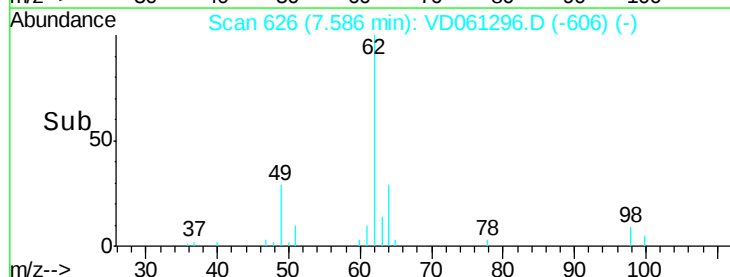
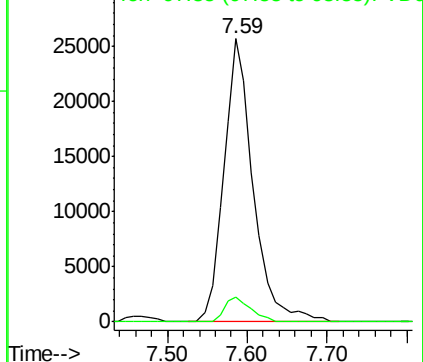
62 100

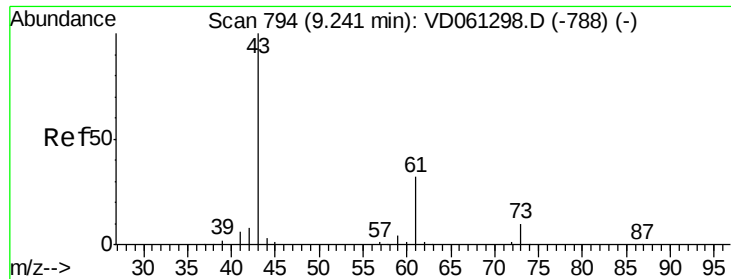
98 8.8 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 8.967 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

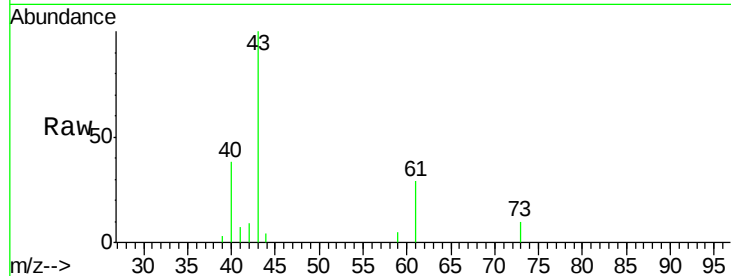
Tot Ion: 43 Resp: 51292

Ion Ratio Lower Upper

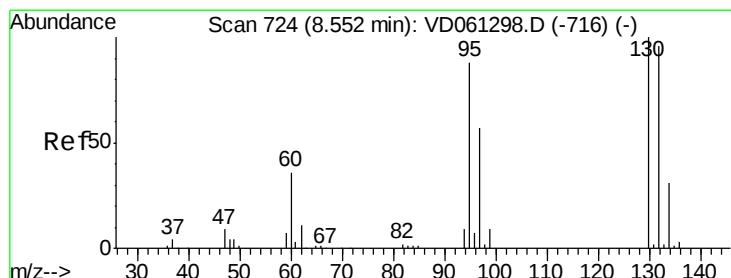
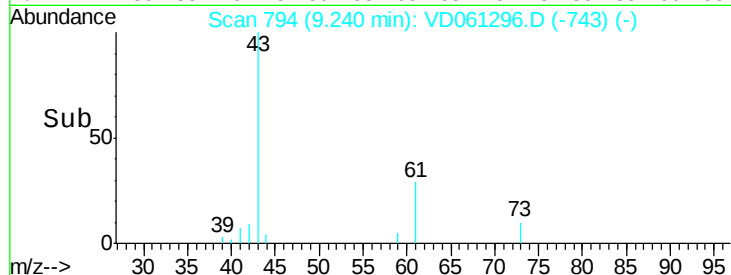
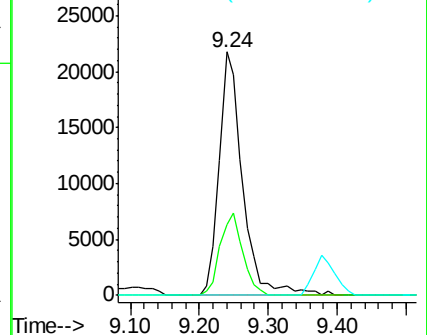
43 100

61 29.0 25.8 38.8

87 0.0 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: 8.603 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061296.D

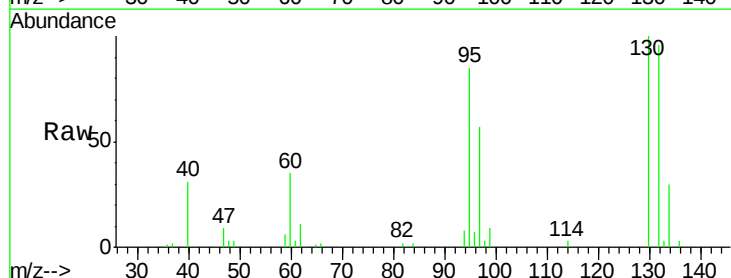
Acq: 25 Mar 2019 11:19

Tgt Ion: 130 Resp: 73392

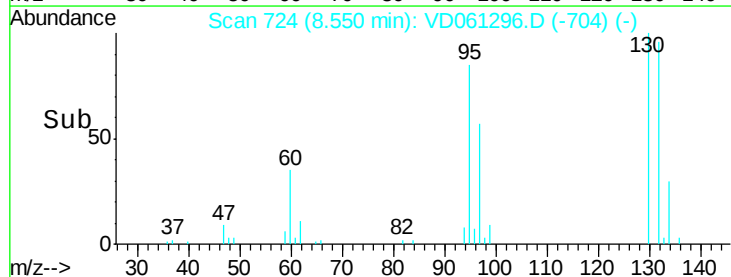
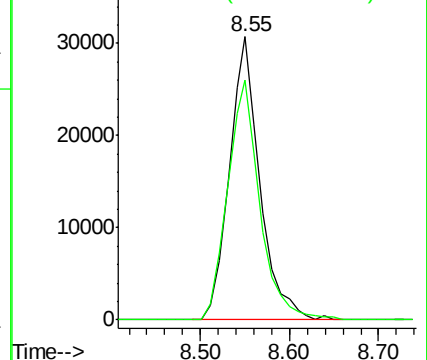
Ion Ratio Lower Upper

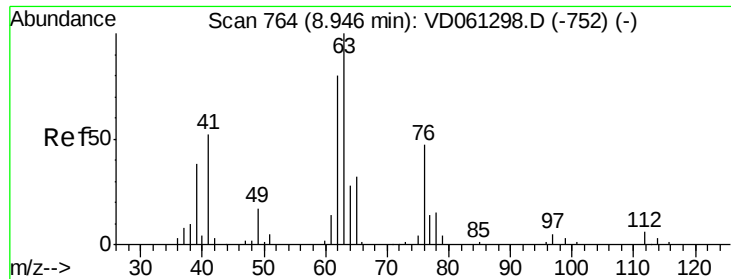
130 100

95 84.8 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: 8.401 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

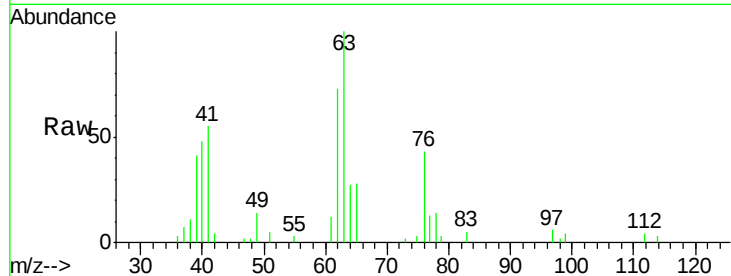
VSTDIC010

Tot Ion: 63 Resp: 48910

Ion Ratio Lower Upper

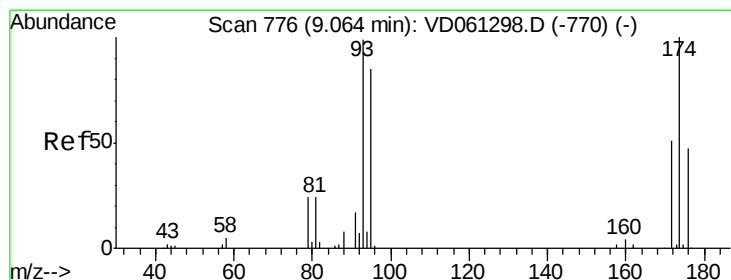
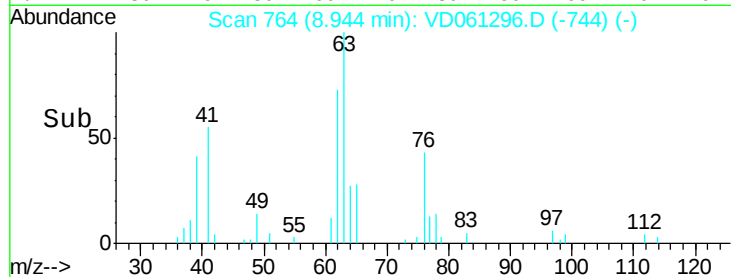
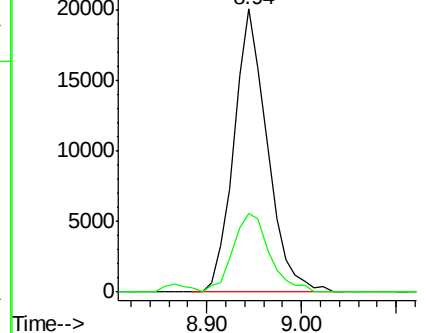
63 100

65 27.5 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: 8.730 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

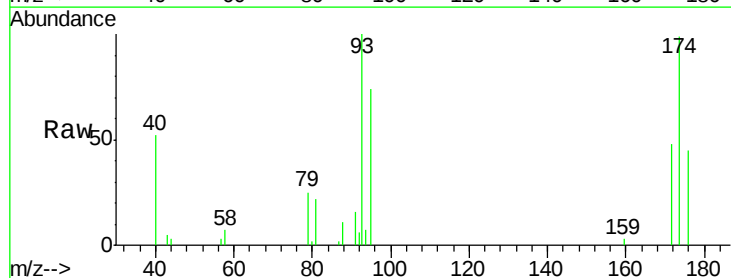
Tgt Ion: 93 Resp: 34850

Ion Ratio Lower Upper

93 100

95 73.9 68.1 102.1

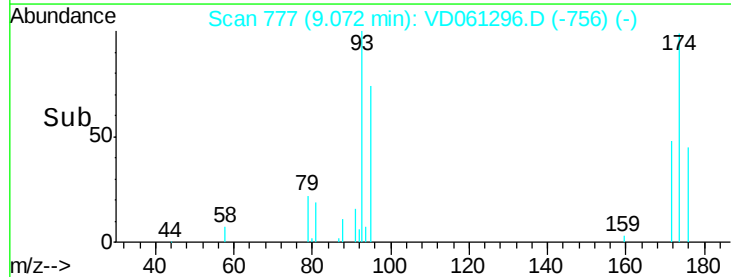
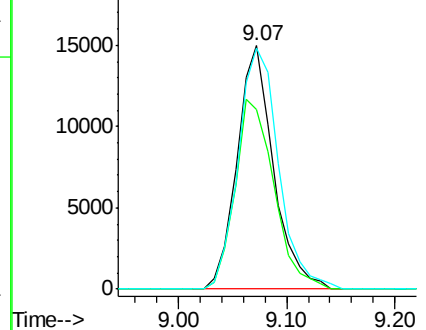
174 98.8 80.4 120.6

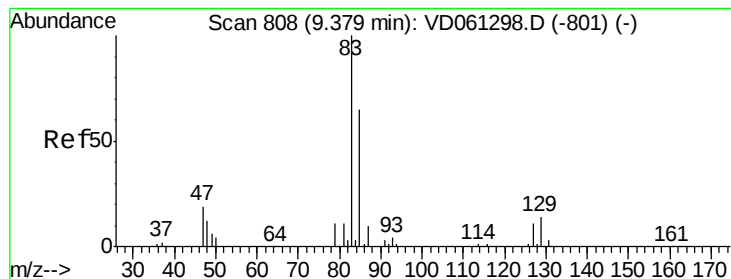


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 8.499 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

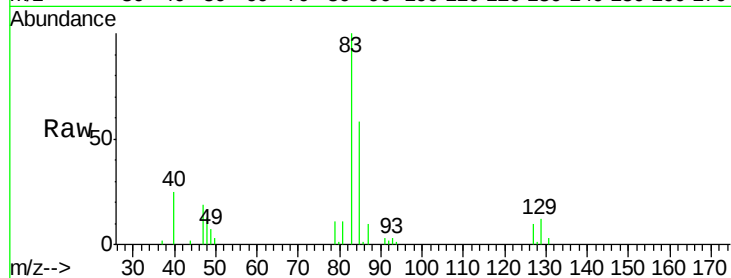
Tot Ion: 83 Resp: 79505

Ion Ratio Lower Upper

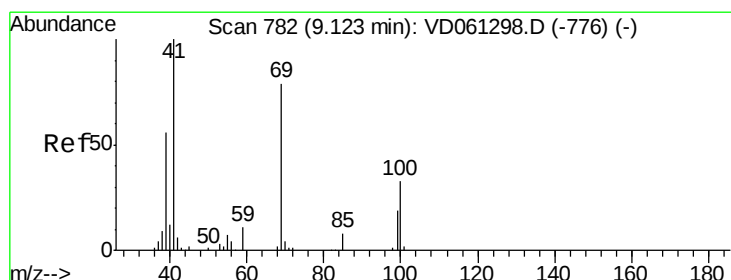
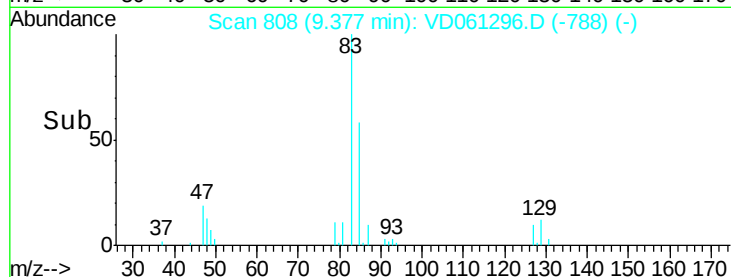
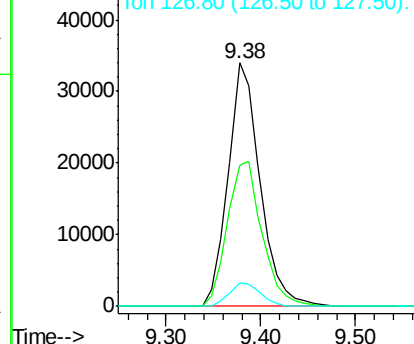
83 100

85 57.9 51.7 77.5

127 9.8 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: 9.728 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

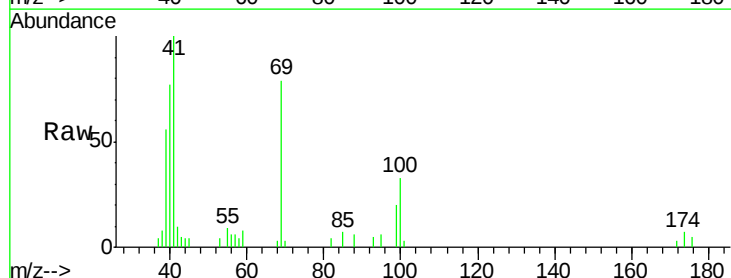
Tgt Ion: 41 Resp: 29701

Ion Ratio Lower Upper

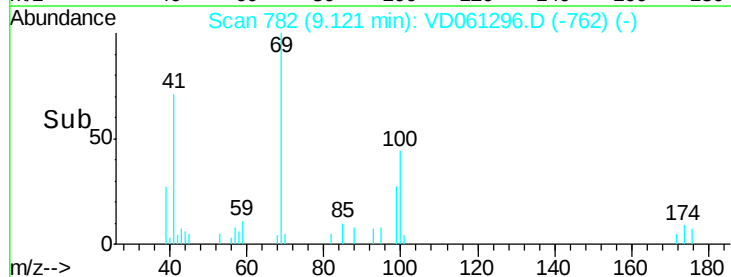
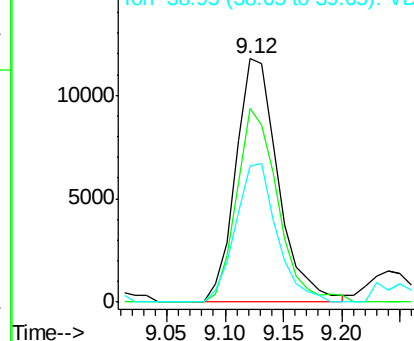
41 100

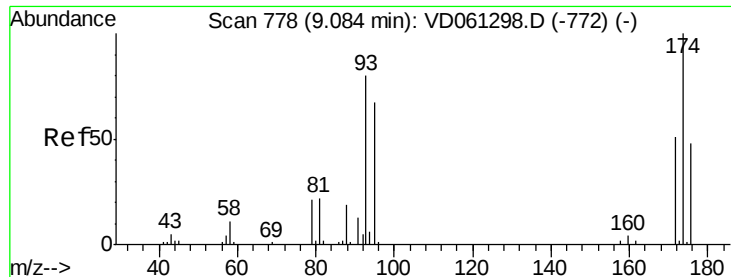
69 79.4 62.4 93.6

39 55.9 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: 184.032 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

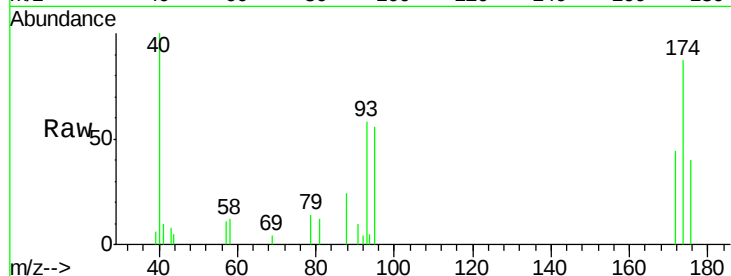
Tot Ion: 88 Resp: 6165

Ion Ratio Lower Upper

88 100

43 32.0 20.7 31.1#

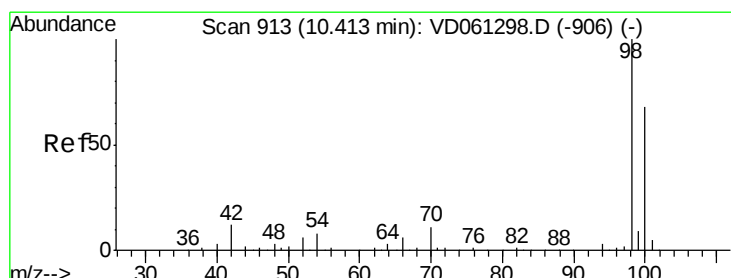
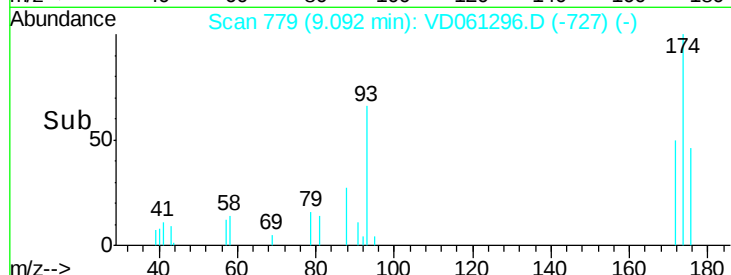
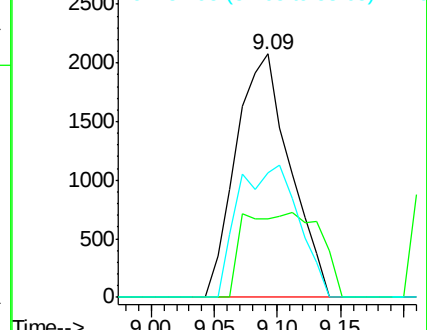
58 51.4 44.9 67.3



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: 184.032 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061296.D

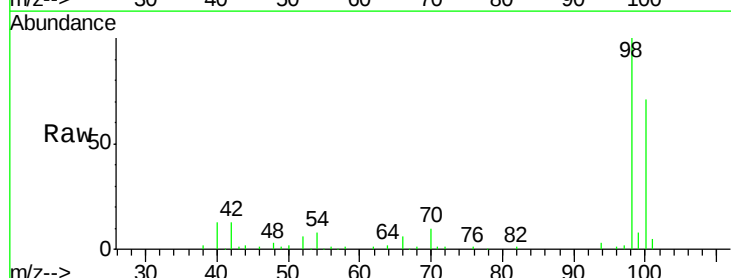
Acq: 25 Mar 2019 11:19

Tgt Ion: 98 Resp: 217230

Ion Ratio Lower Upper

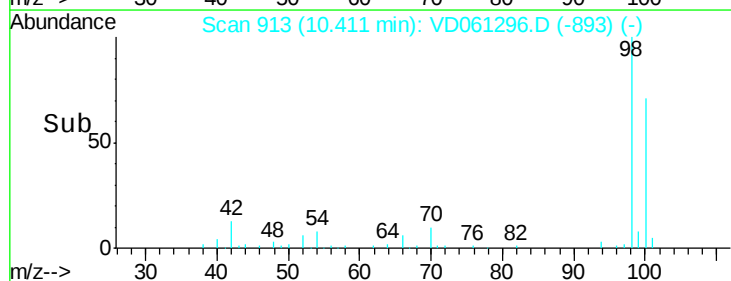
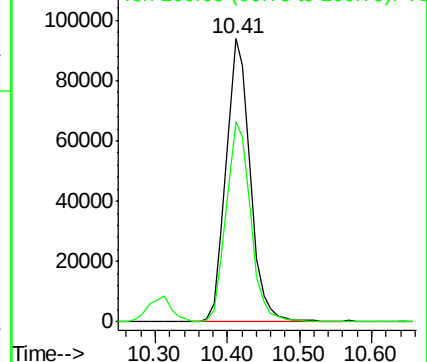
98 100

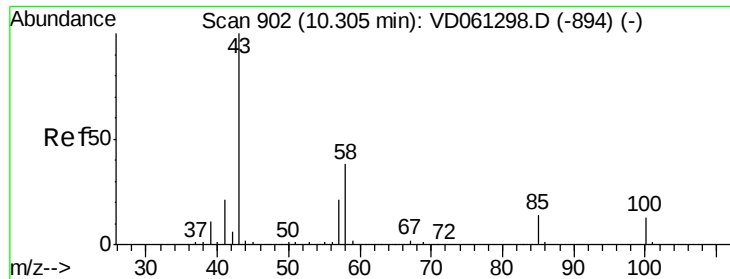
100 70.7 55.4 83.0



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: 47.313 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

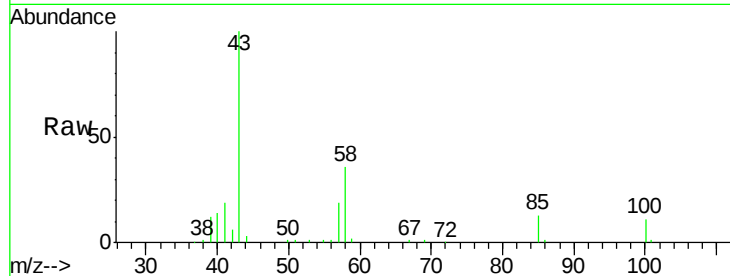
VSTDIC010

Tot Ion: 43 Resp: 161115

Ion Ratio Lower Upper

43 100

58 36.4 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

60000

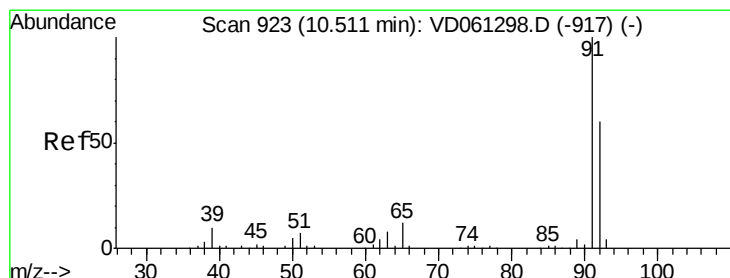
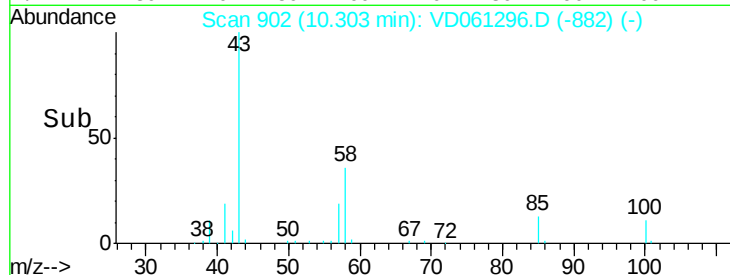
40000

20000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 9.099 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061296.D

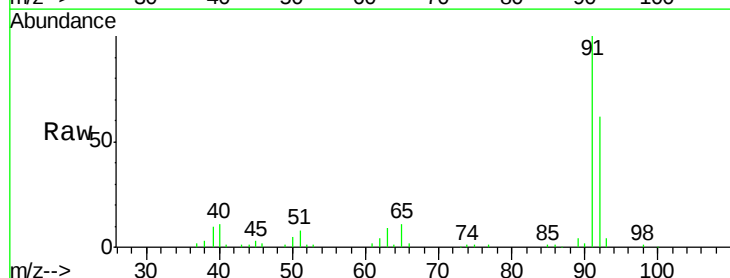
Acq: 25 Mar 2019 11:19

Tgt Ion: 92 Resp: 131339

Ion Ratio Lower Upper

92 100

91 162.5 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

100000

80000

60000

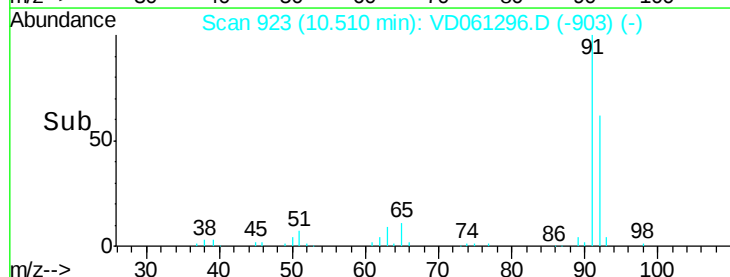
40000

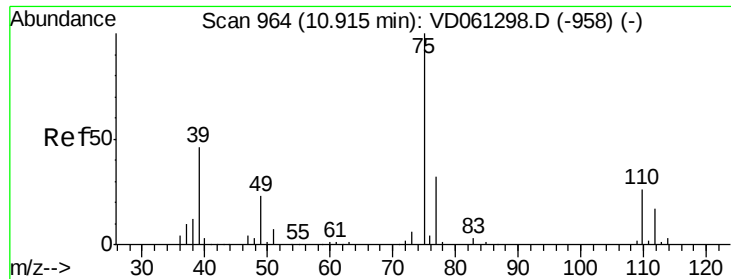
20000

0

Time-->

10.40 10.50 10.60

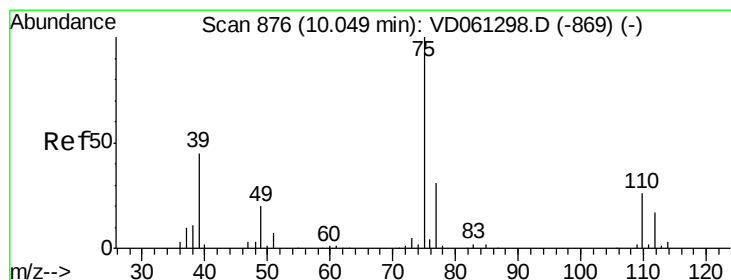
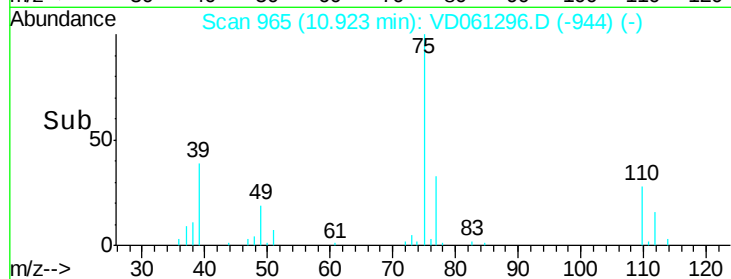
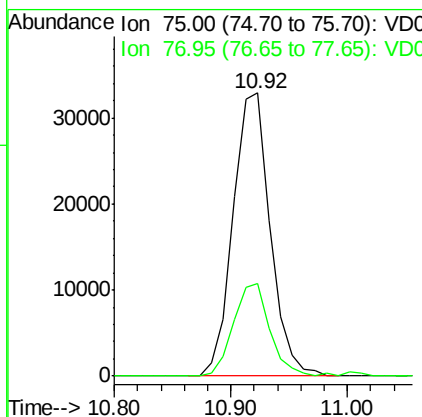
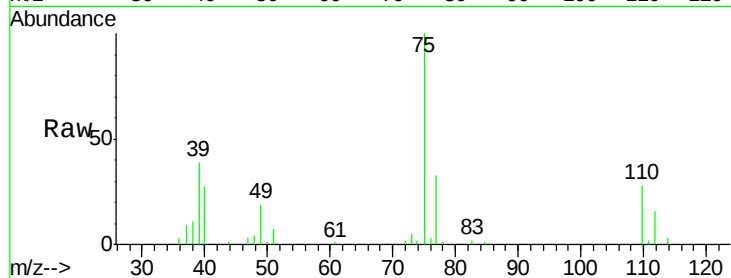




#53
t-1,3-Dichloropropene
Concen: 8.919 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

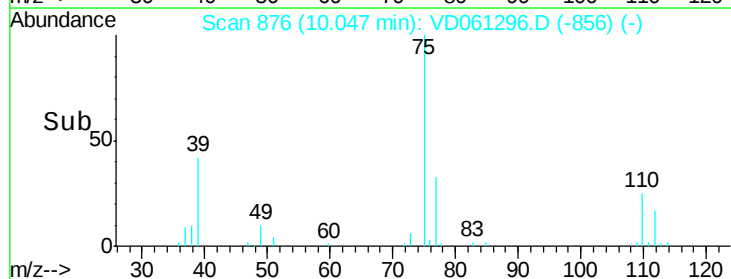
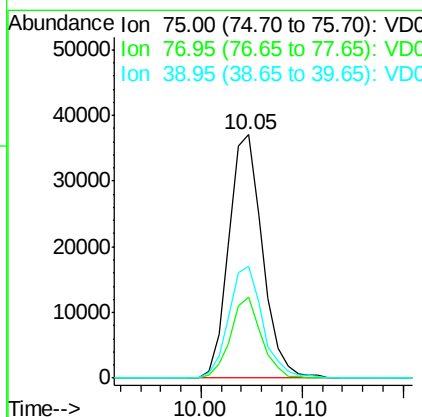
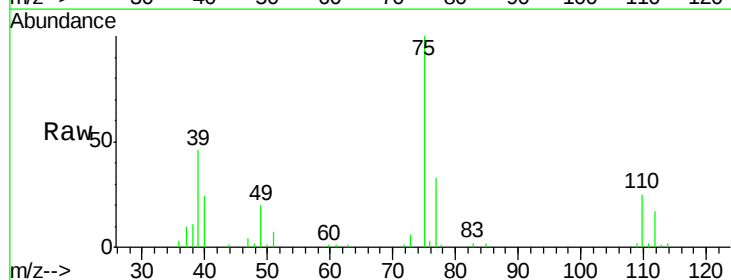
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

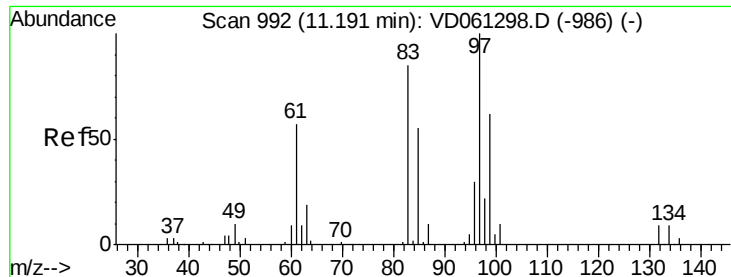
Tot Ion: 75 Resp: 72503
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 8.637 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 75 Resp: 85736
Ion Ratio Lower Upper
75 100
77 33.4 24.9 37.3
39 45.7 36.0 54.0



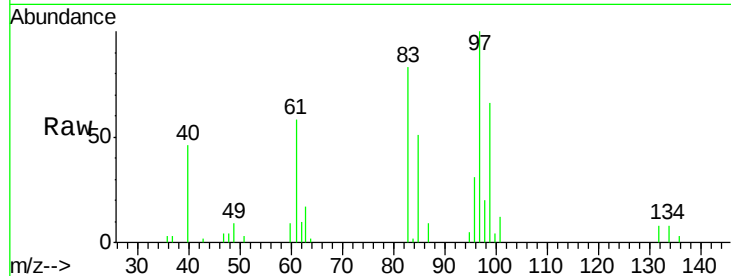


#55
1,1,2-Trichloroethane
Concen: 9.664 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 97 Resp: 46312

Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.7	101.5
85	51.0	43.8	65.8
99	66.0	49.8	74.6



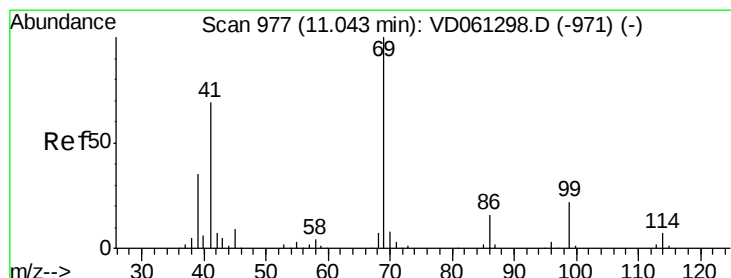
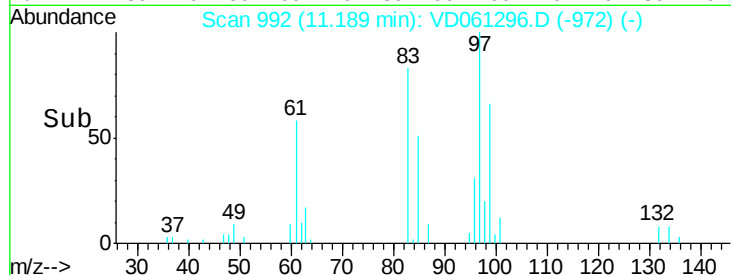
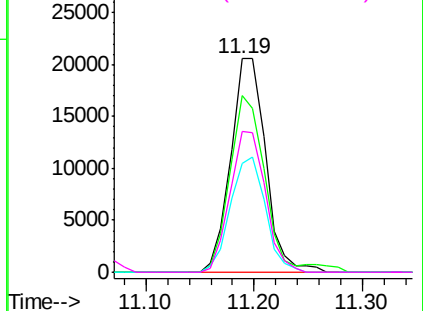
Abundance

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

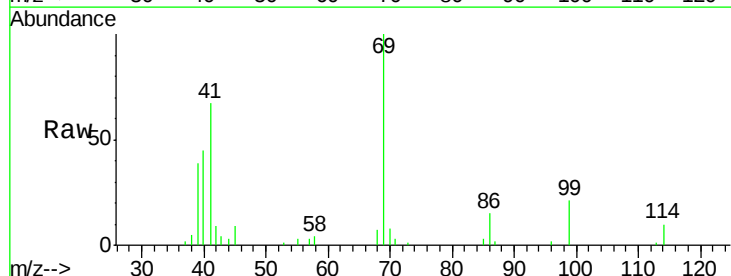
Ion 98.85 (98.55 to 99.55): VDC



#56
Ethyl methacrylate
Concen: 9.520 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 69 Resp: 48683

Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.9	82.3
39	39.4	28.5	42.7

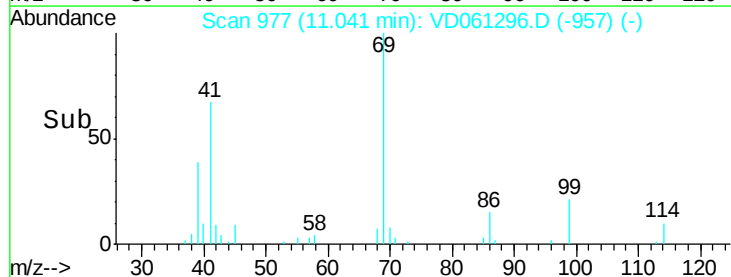
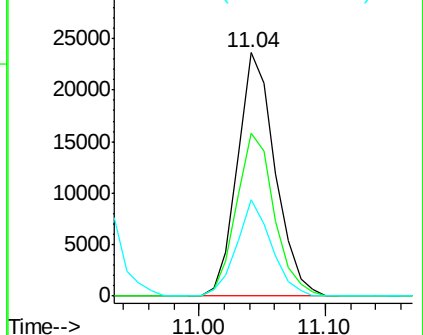


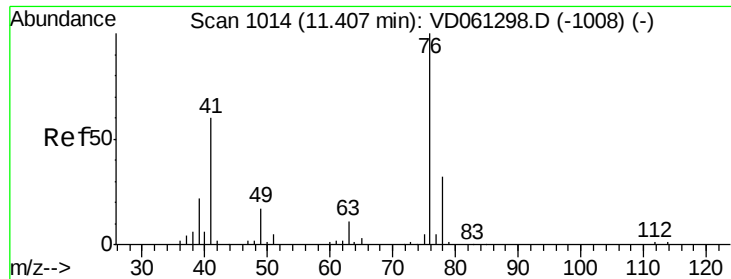
Abundance

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

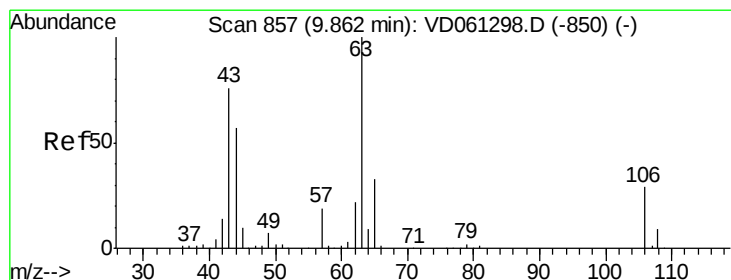
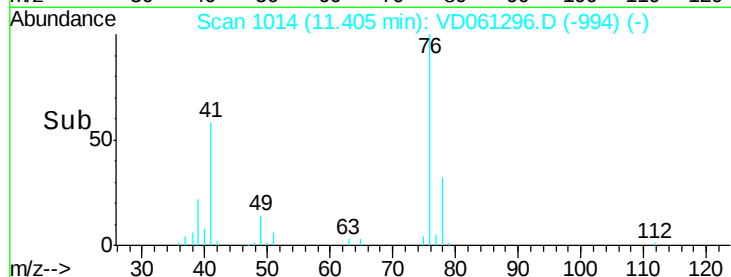
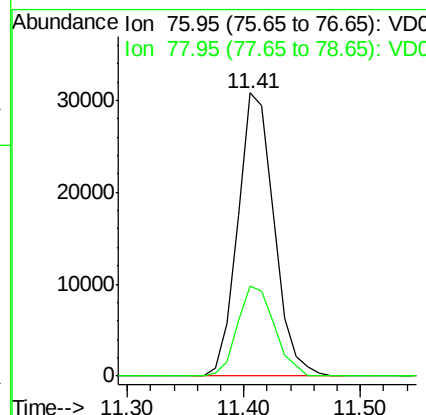
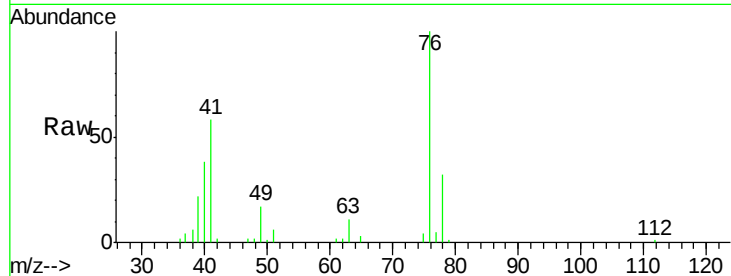




#57
 1,3-Dichloropropane
 Concen: 9.154 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

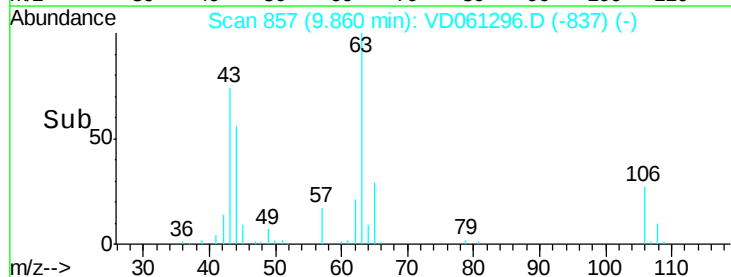
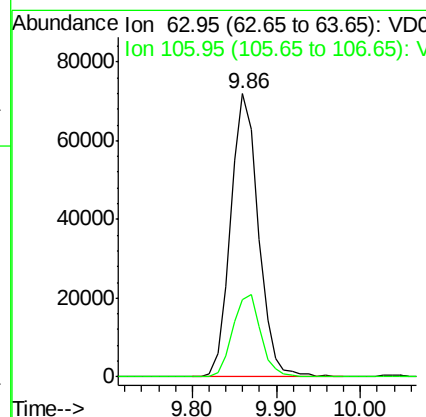
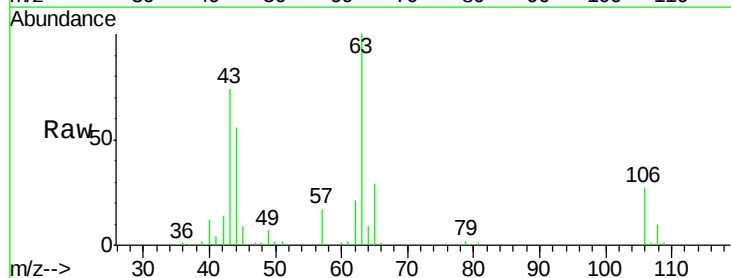
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

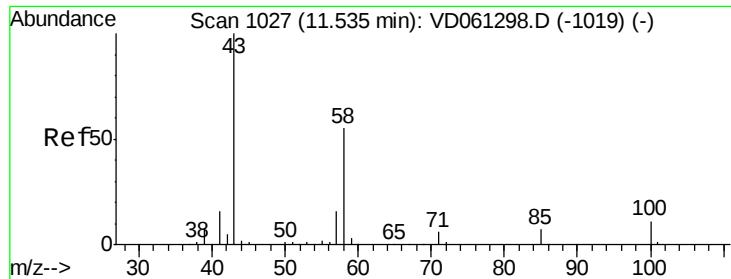
Tot Ion: 76 Resp: 66247
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 61.837 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion: 63 Resp: 164502
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.4 35.0

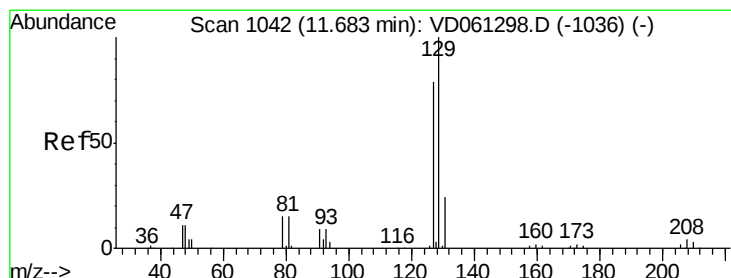
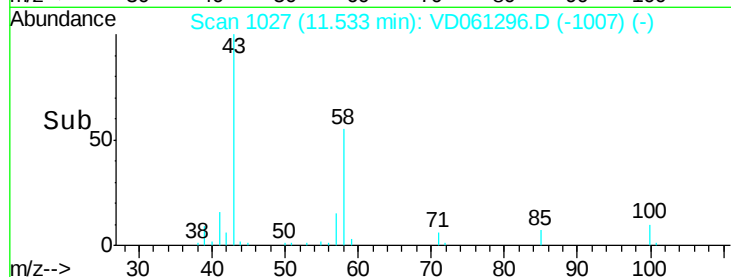
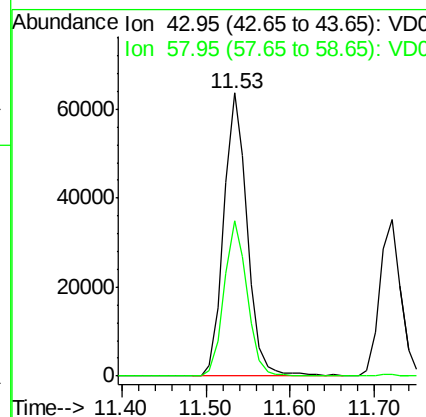
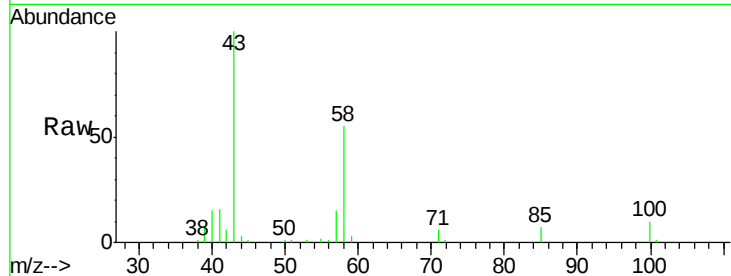




#59
2-Hexanone
Concen: 49.775 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

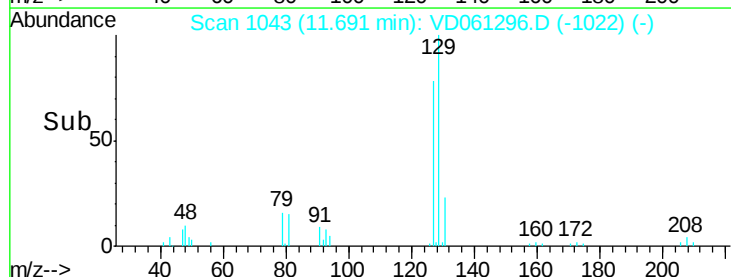
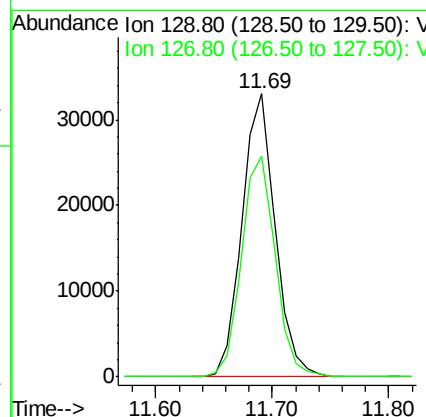
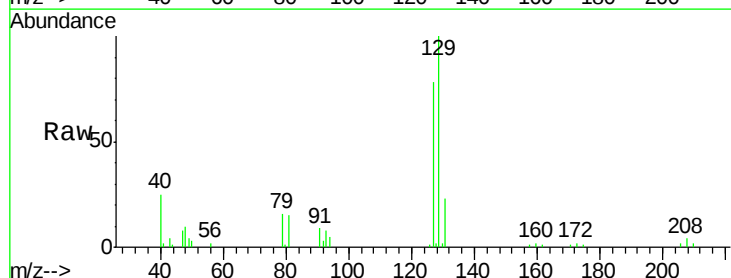
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

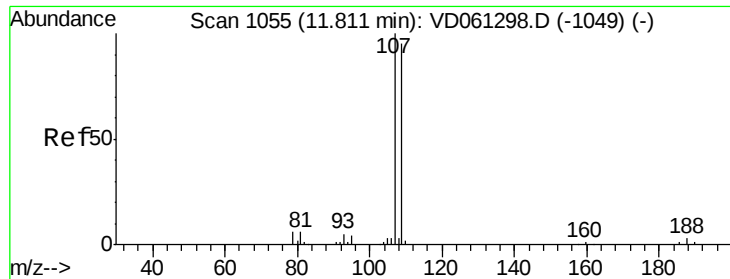
Tot Ion: 43 Resp: 123107
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.0



#60
Dibromochloromethane
Concen: 8.670 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 129 Resp: 65075
Ion Ratio Lower Upper
129 100
127 77.8 39.6 119.0

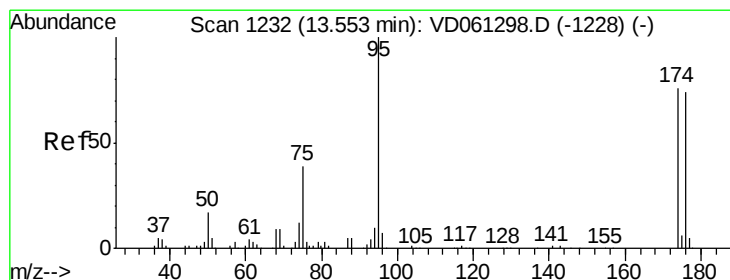
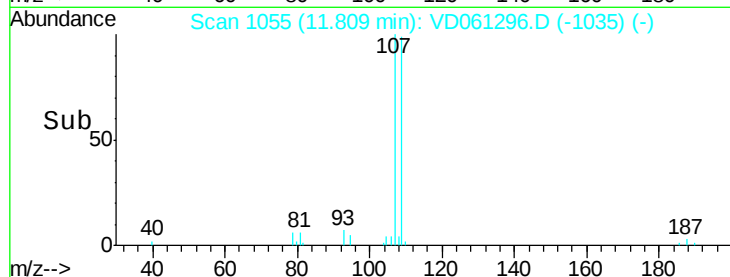
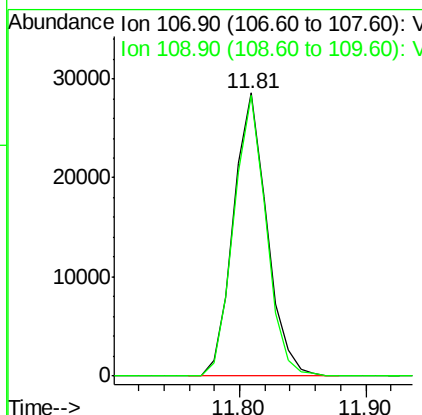
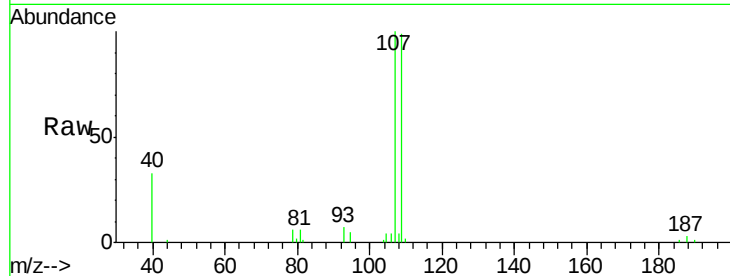




#61
1,2-Dibromoethane
Concen: 9.365 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

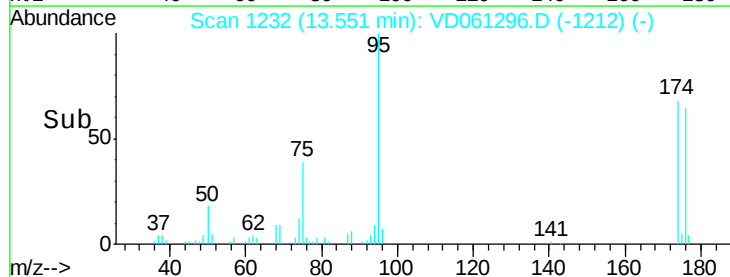
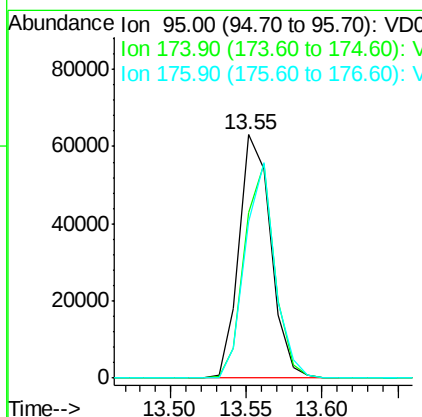
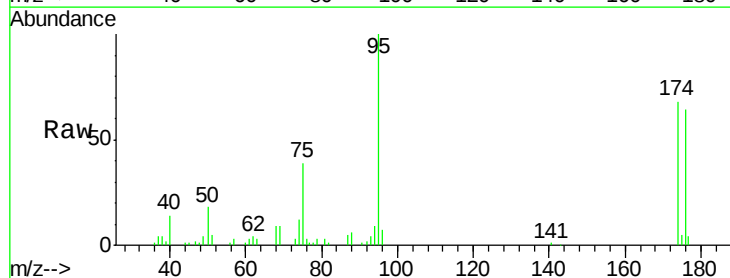
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

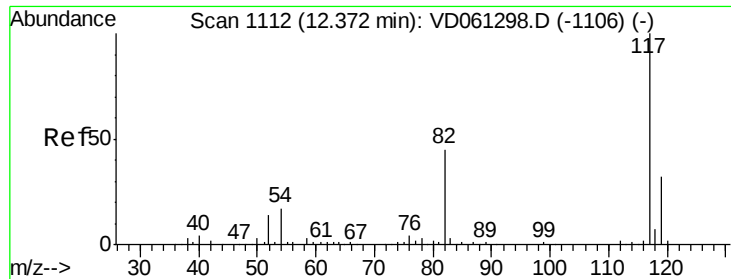
Tot Ion:107 Resp: 52435
Ion Ratio Lower Upper
107 100
109 99.1 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 9.365 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 95 Resp: 91904
Ion Ratio Lower Upper
95 100
174 67.8 0.0 151.8
176 64.1 0.0 148.0

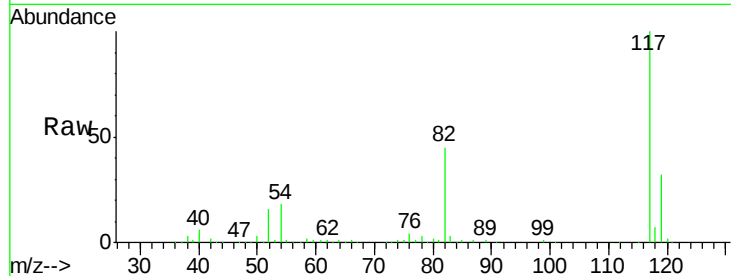




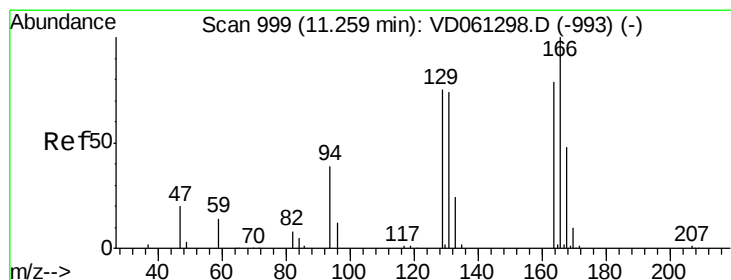
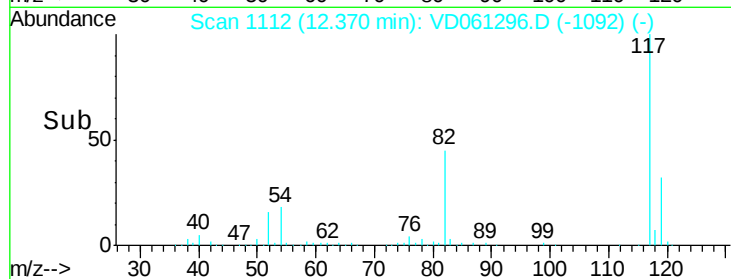
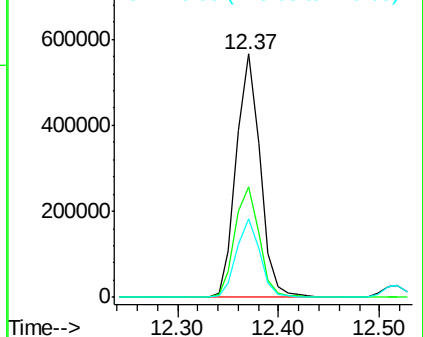
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 935173
Ion Ratio Lower Upper
117 100
82 45.4 35.7 53.5
119 32.4 25.9 38.9

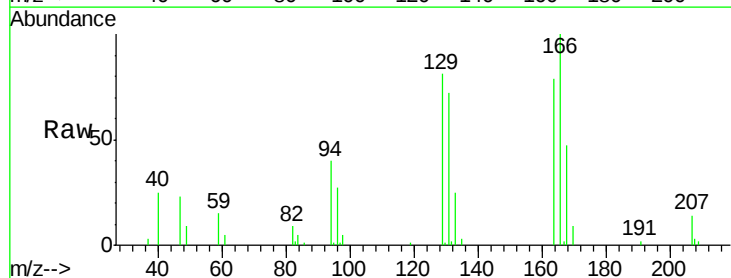


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

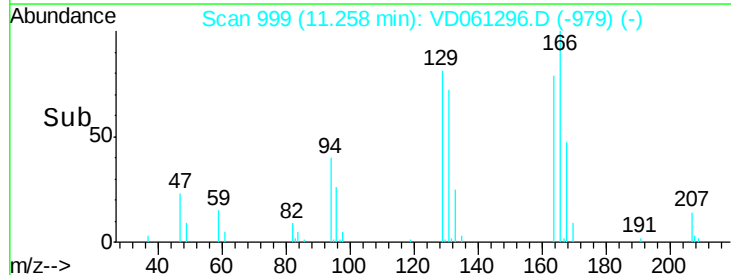
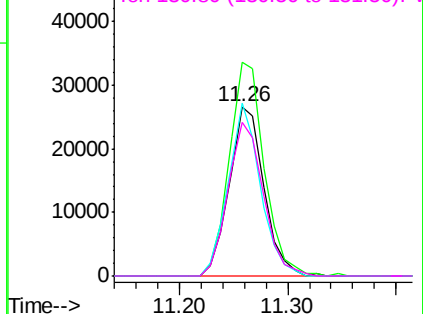


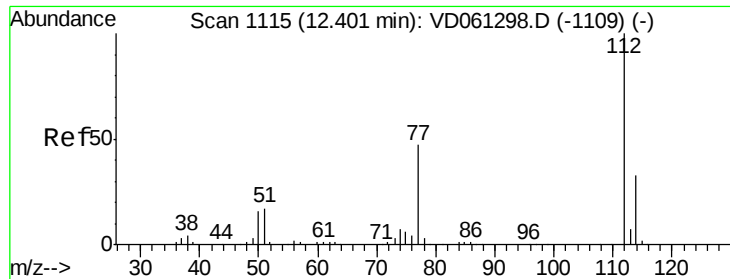
#64
Tetrachloroethene
Concen: 9.146 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion:164 Resp: 58917
Ion Ratio Lower Upper
164 100
166 126.3 101.6 152.4
129 102.1 75.9 113.9
131 90.9 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

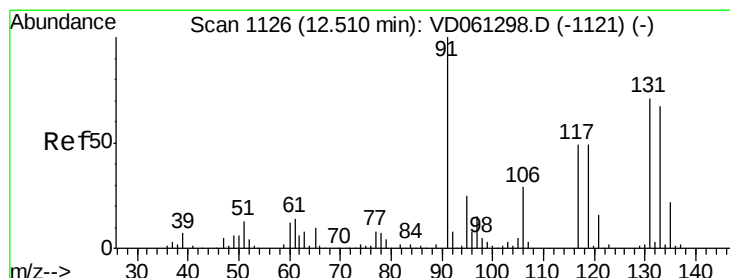
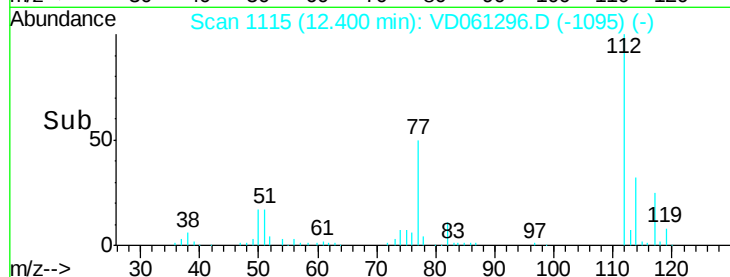
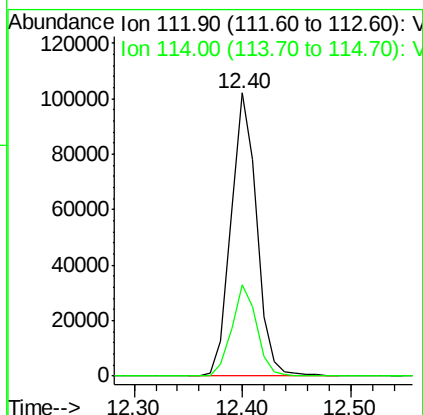
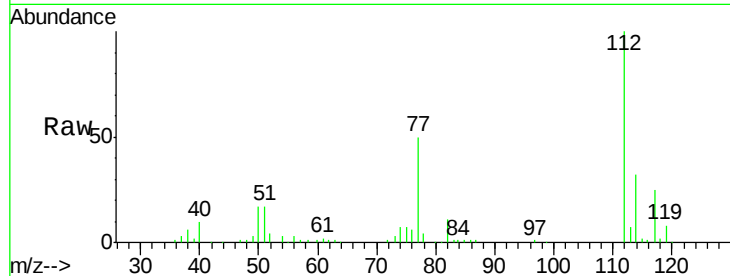




#65
Chlorobenzene
Concen: 9.764 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

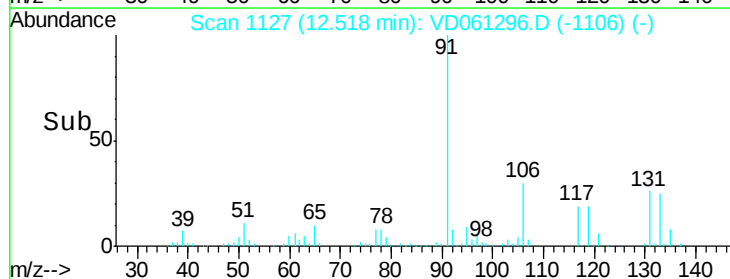
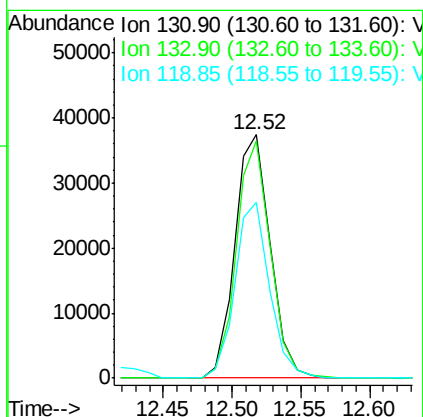
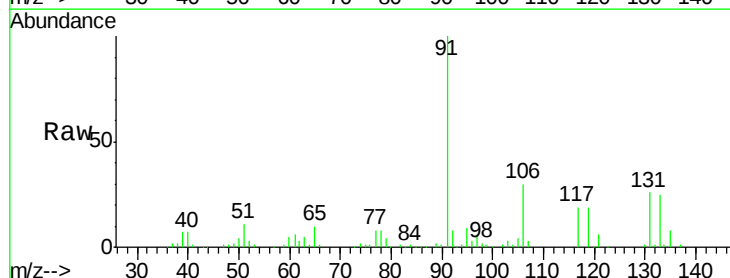
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

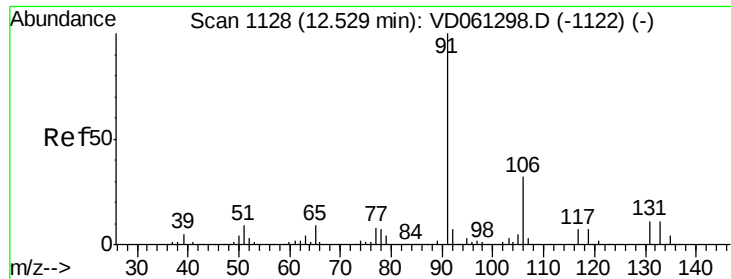
Tot Ion:112 Resp: 168186
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 10.005 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion:131 Resp: 66819
Ion Ratio Lower Upper
131 100
133 97.4 47.0 141.2
119 72.4 34.8 104.5

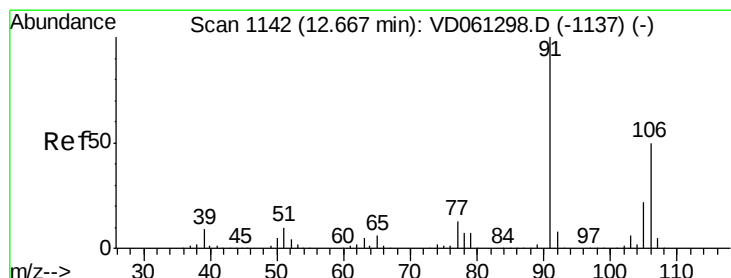
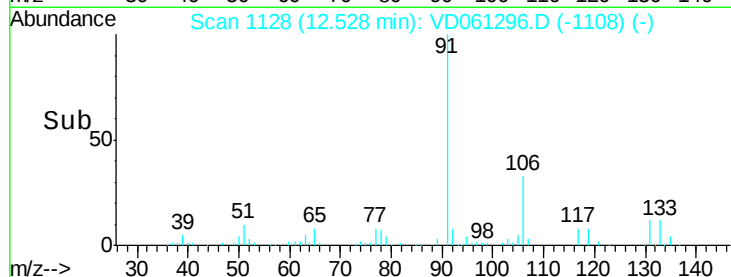
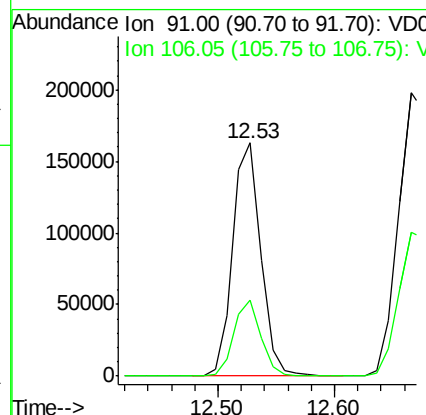
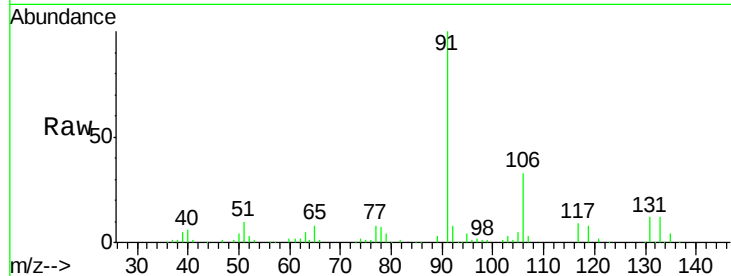




#67
Ethyl Benzene
Concen: 10.371 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

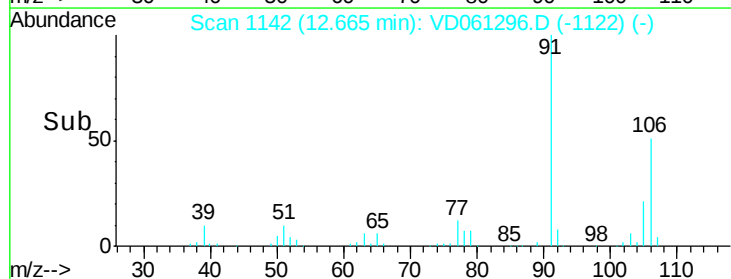
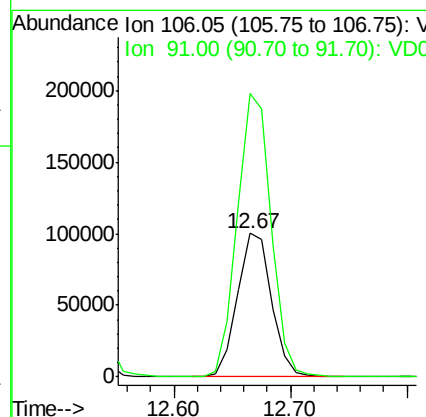
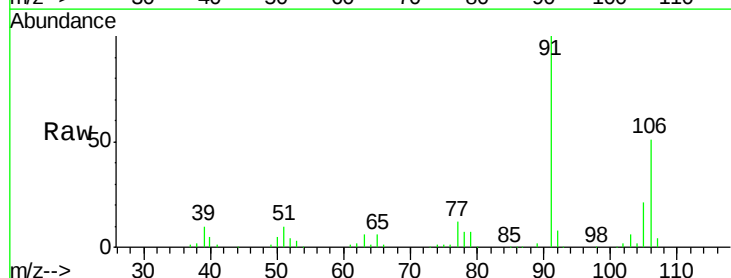
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

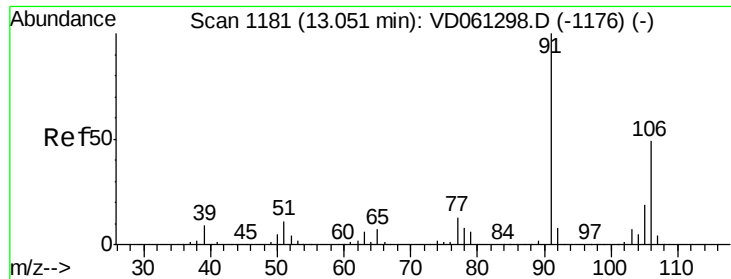
Tot Ion: 91 Resp: 273389
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8



#68
m/p-Xylenes
Concen: 19.809 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 106 Resp: 203841
Ion Ratio Lower Upper
106 100
91 197.1 159.2 238.8

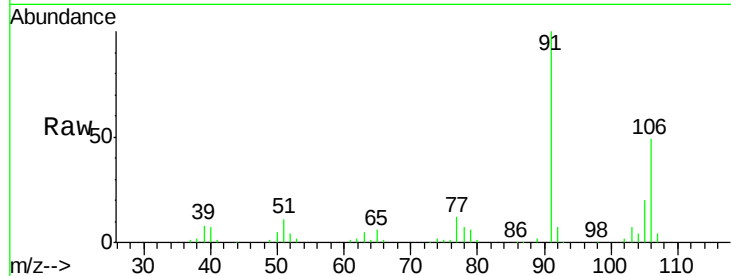




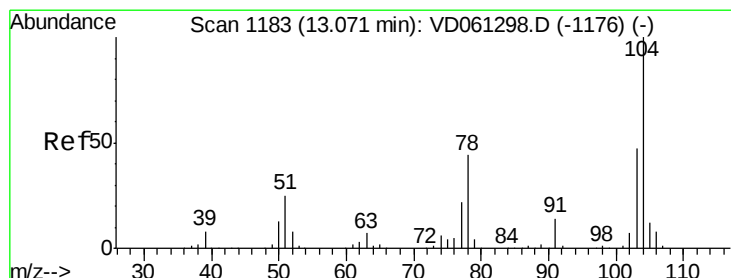
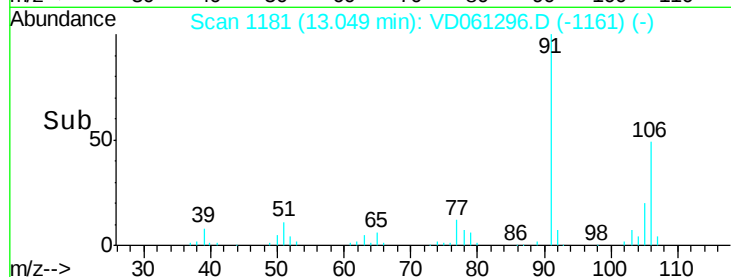
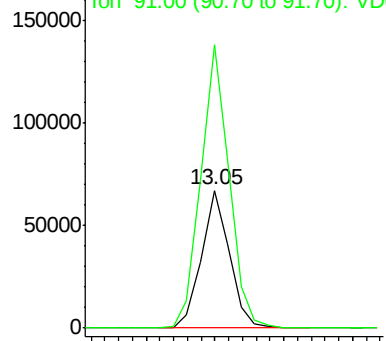
#69
o-Xylene
Concen: 9.998 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 95418
Ion Ratio Lower Upper
106 100
91 205.4 102.5 307.5

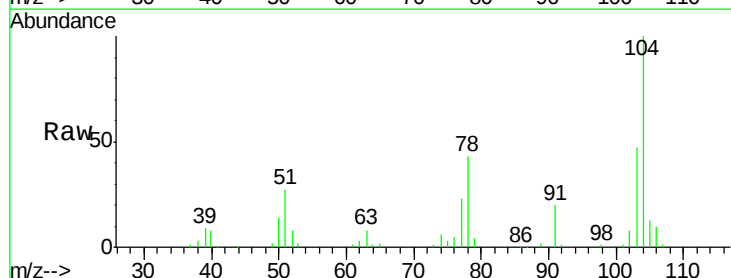


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

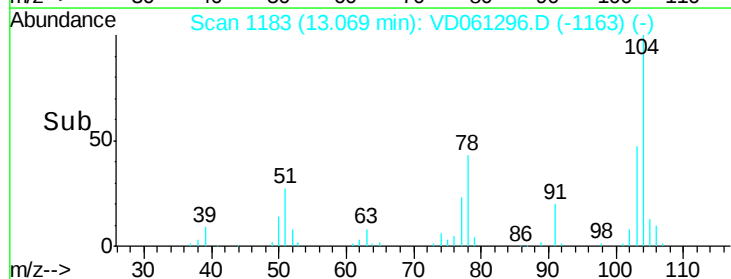
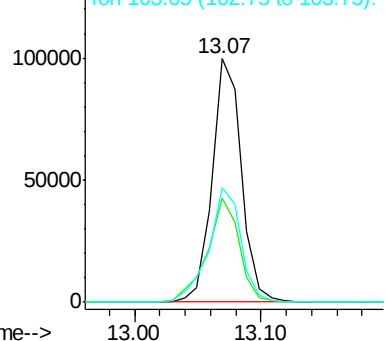


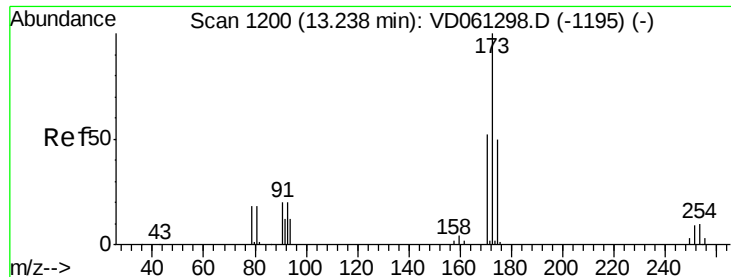
#70
Styrene
Concen: 9.785 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion:104 Resp: 158491
Ion Ratio Lower Upper
104 100
78 42.9 35.1 52.7
103 46.9 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: 9.488 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

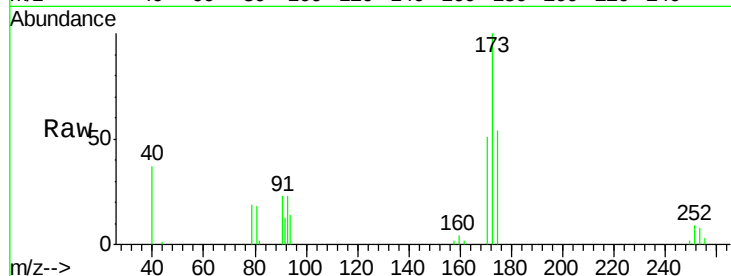
Tot Ion:173 Resp: 38775

Ion Ratio Lower Upper

173 100

175 53.8 24.9 74.7

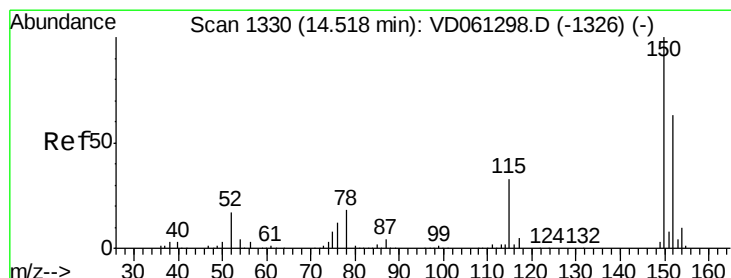
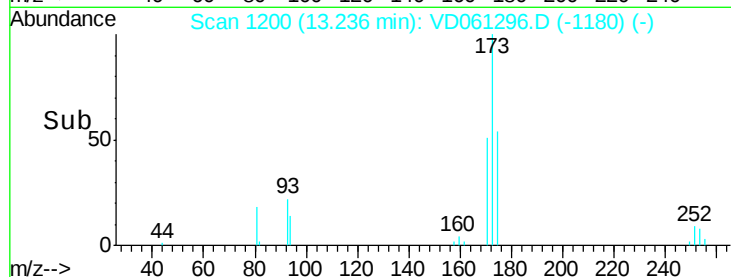
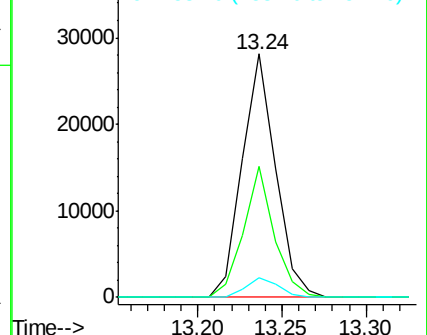
254 8.3 7.8 11.6



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: VD061296.D

Acq: 25 Mar 2019 11:19

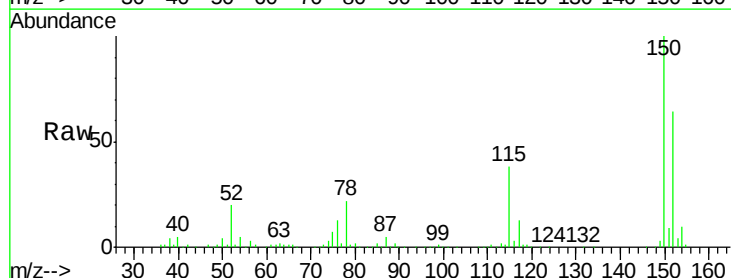
Tgt Ion:152 Resp: 444564

Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

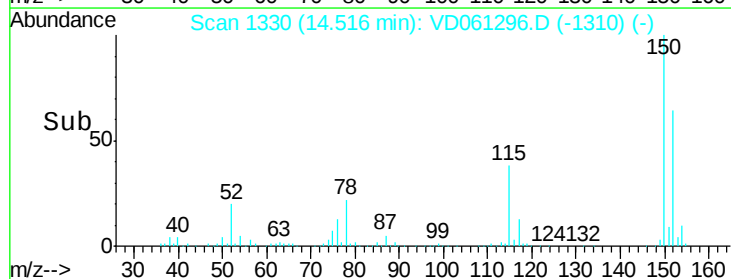
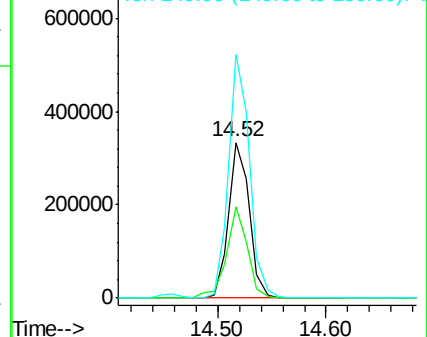
150 156.5 0.0 319.6

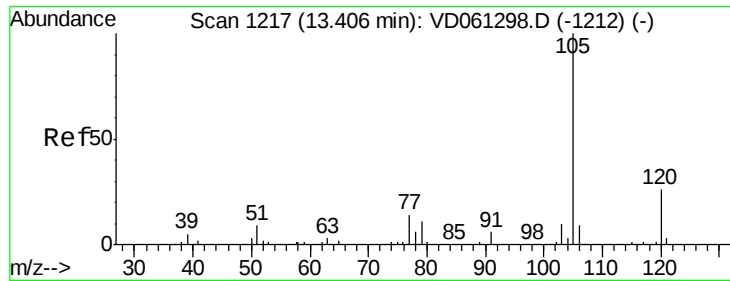


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.009 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

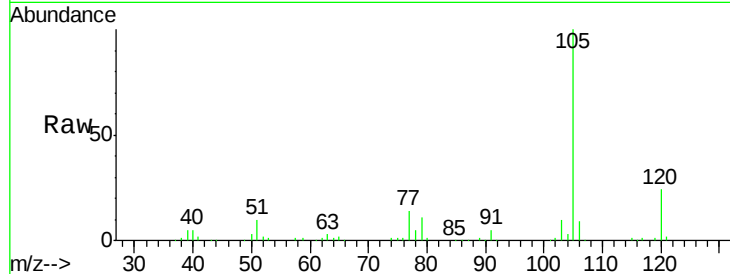
VSTDIC010

Tot Ion:105 Resp: 260514

Ion Ratio Lower Upper

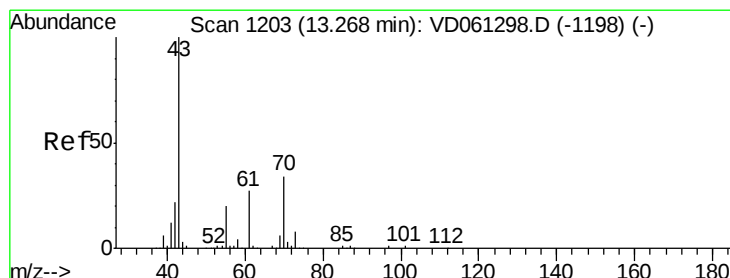
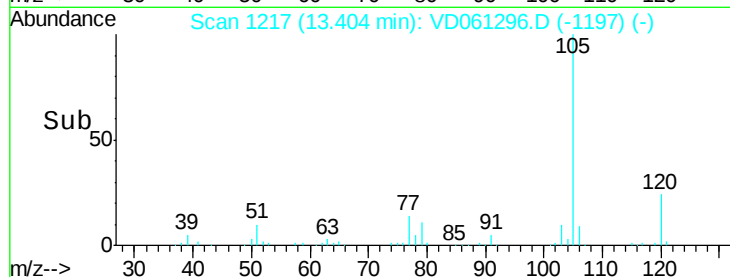
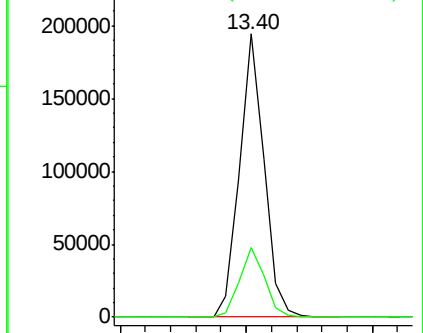
105 100

120 24.4 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: 9.144 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Tgt Ion: 43 Resp: 69175

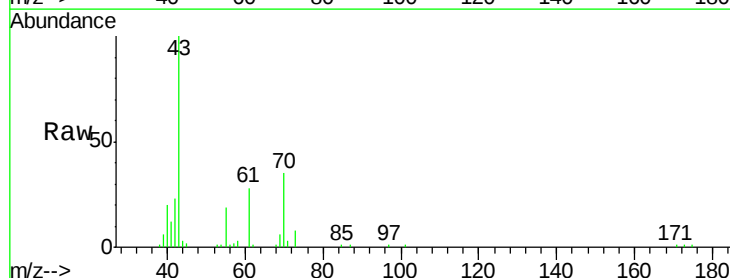
Ion Ratio Lower Upper

43 100

70 34.7 27.5 41.3

55 19.1 15.7 23.5

61 27.9 21.8 32.6

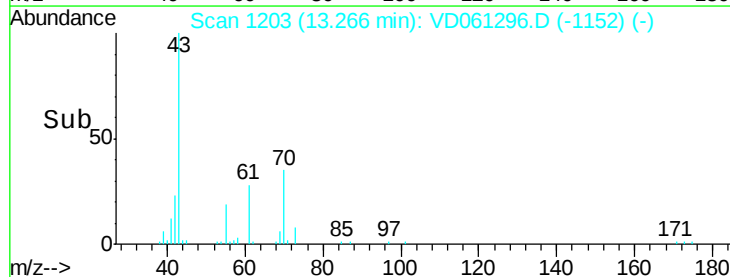
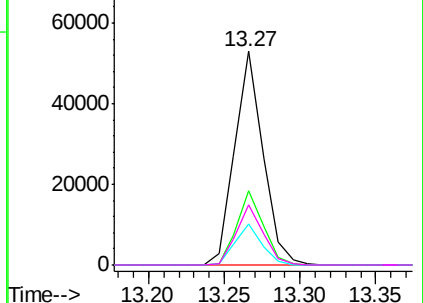


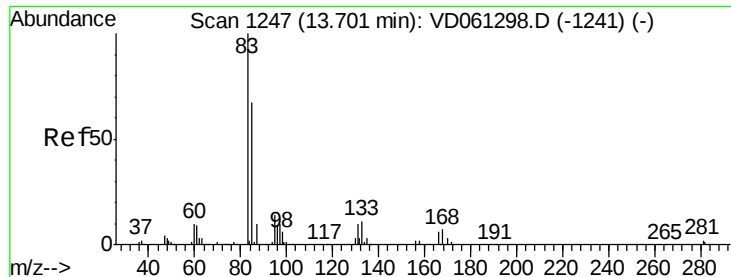
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.215 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

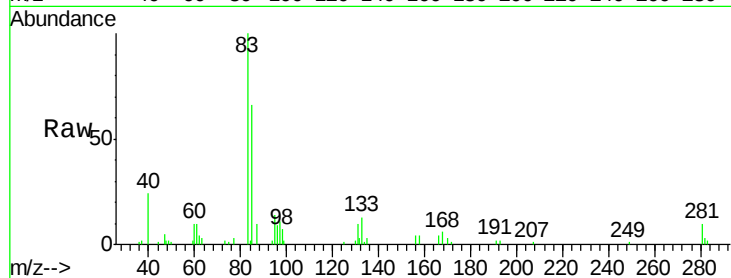
Tot Ion: 83 Resp: 51670

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

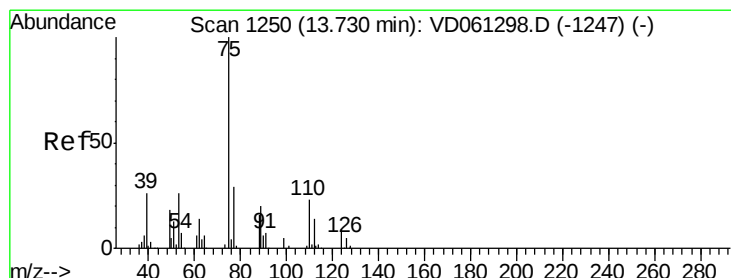
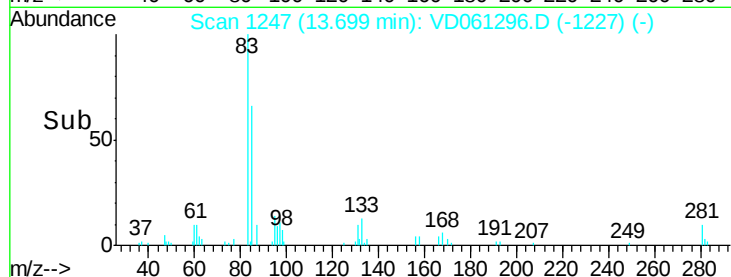
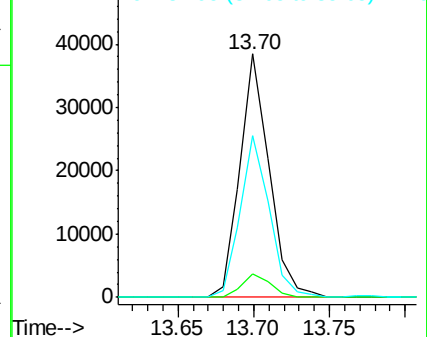
85 66.4 33.4 100.2



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: 9.295 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061296.D

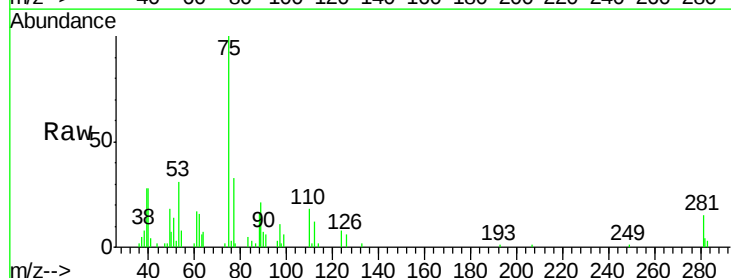
Acq: 25 Mar 2019 11:19

Tgt Ion: 75 Resp: 51390

Ion Ratio Lower Upper

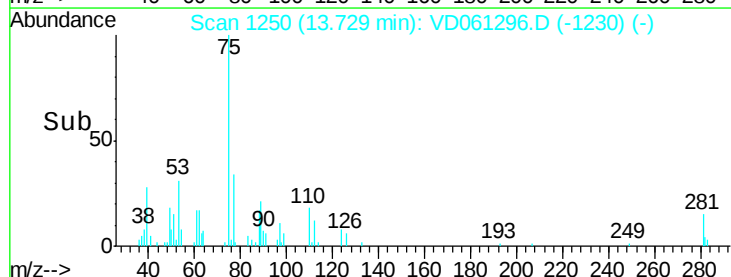
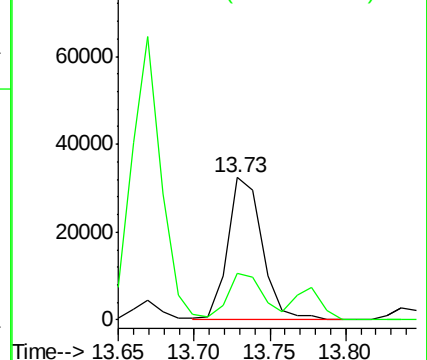
75 100

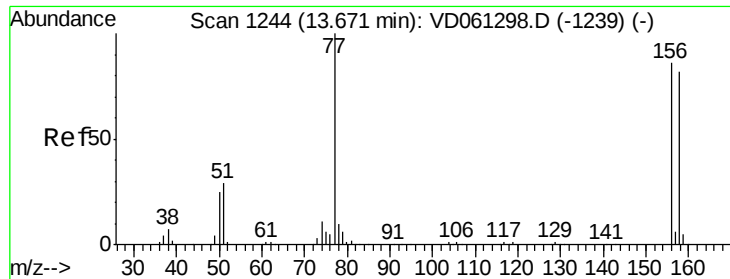
77 33.2 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 8.888 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

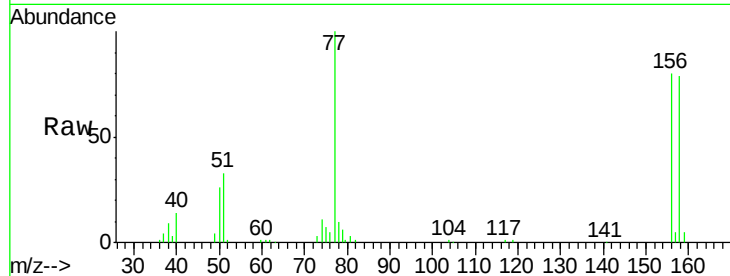
Tot Ion:156 Resp: 71791

Ion Ratio Lower Upper

156 100

77 125.2 58.4 175.1

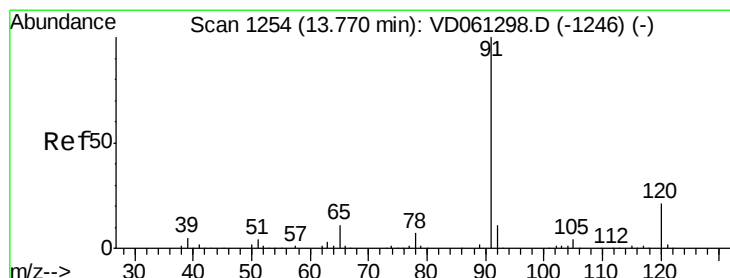
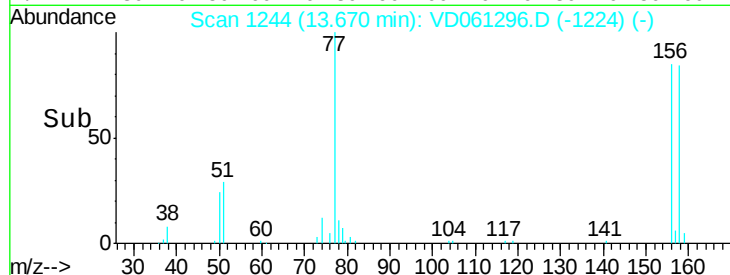
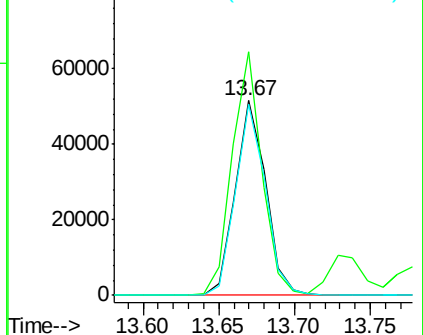
158 98.4 48.1 144.3



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: 8.616 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061296.D

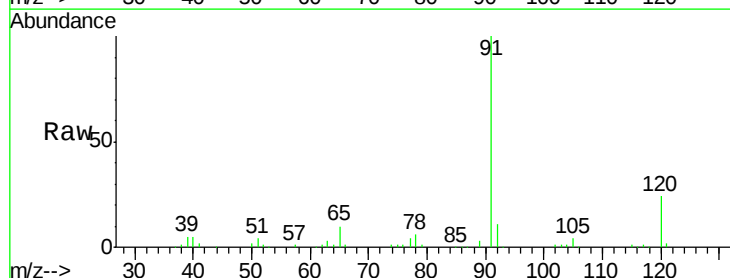
Acq: 25 Mar 2019 11:19

Tgt Ion: 91 Resp: 281072

Ion Ratio Lower Upper

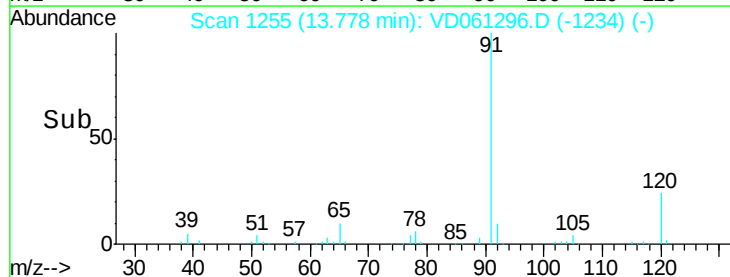
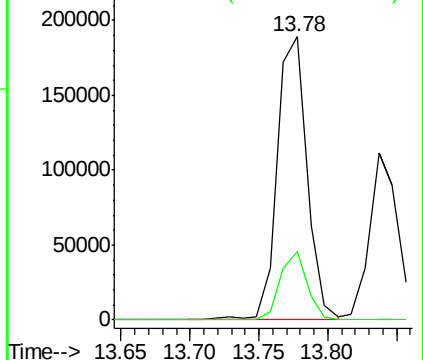
91 100

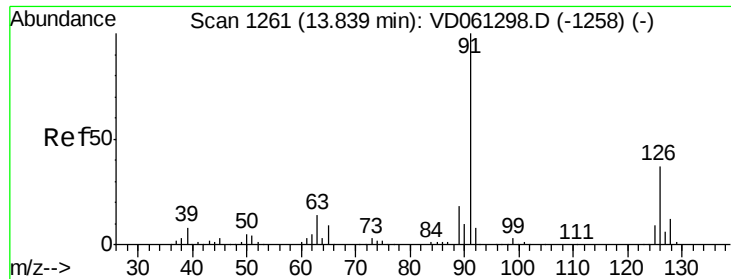
120 24.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 8.421 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

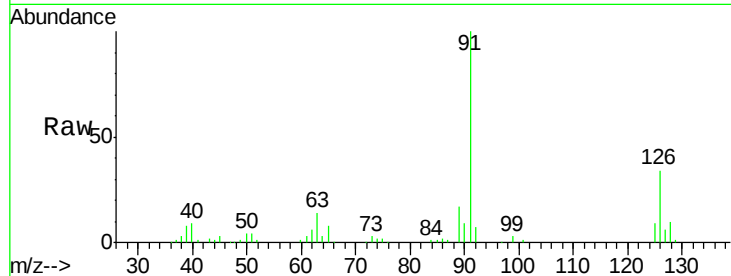
VSTDIC010

Tot Ion: 91 Resp: 159624

Ion Ratio Lower Upper

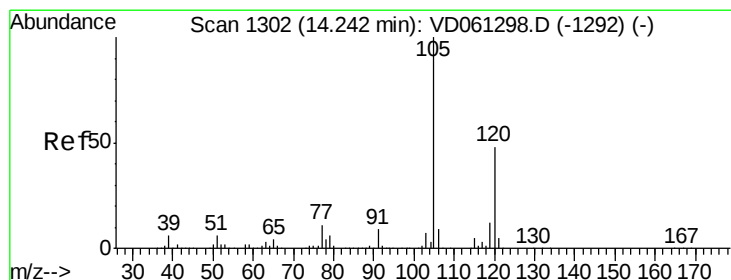
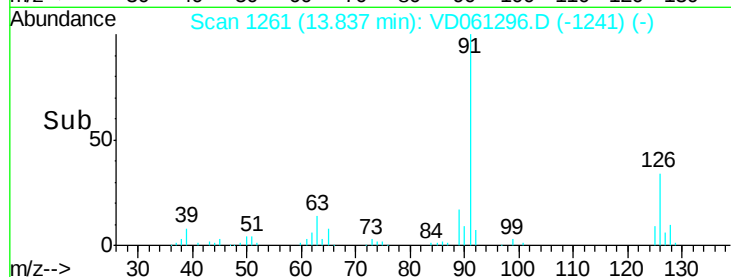
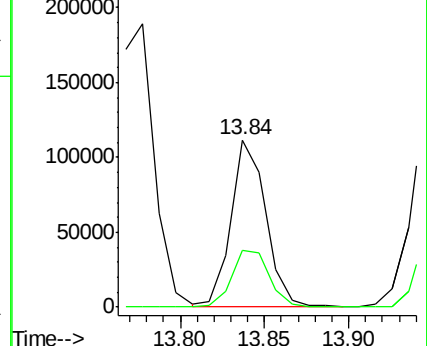
91 100

126 34.2 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 8.555 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061296.D

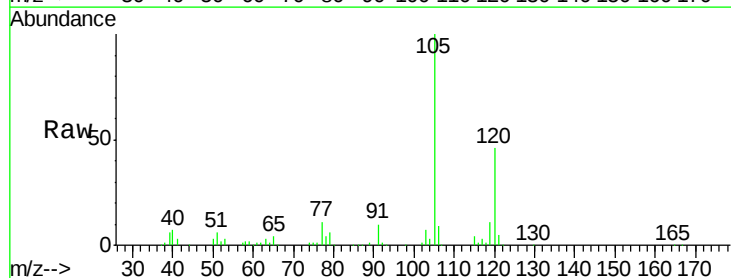
Acq: 25 Mar 2019 11:19

Tgt Ion:105 Resp: 195140

Ion Ratio Lower Upper

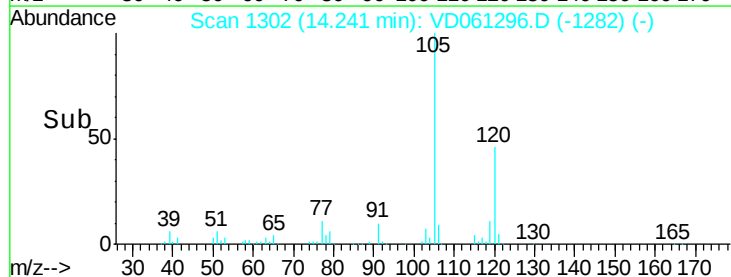
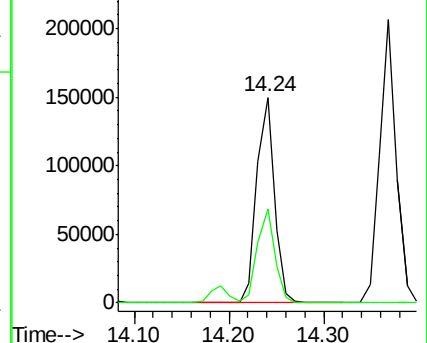
105 100

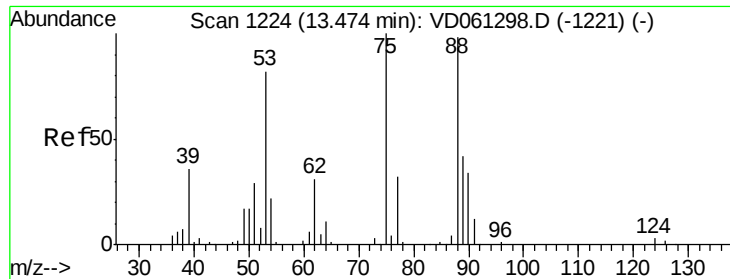
120 45.6 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

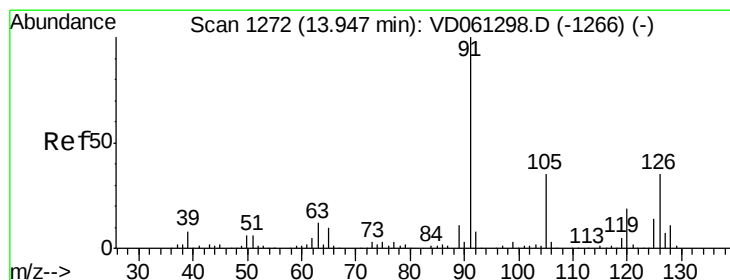
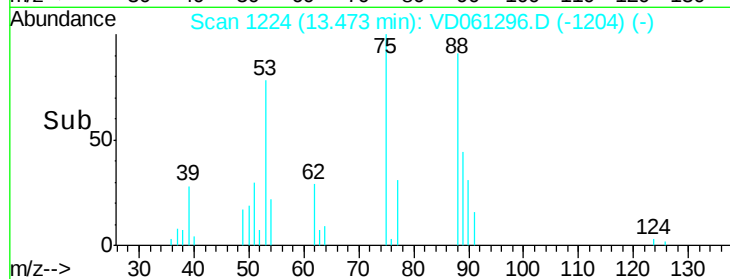
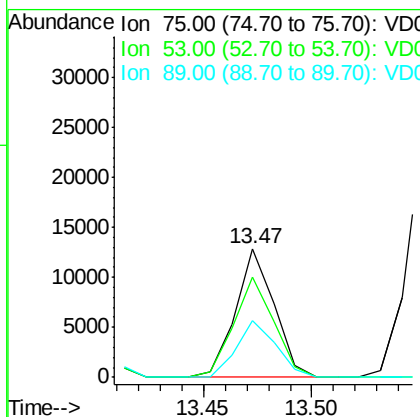
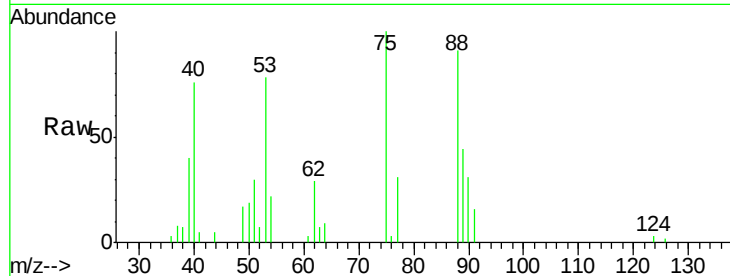




#81
trans-1,4-Dichloro-2-butene
Concen: 9.248 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

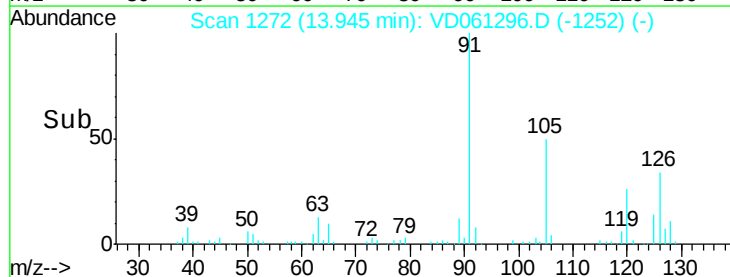
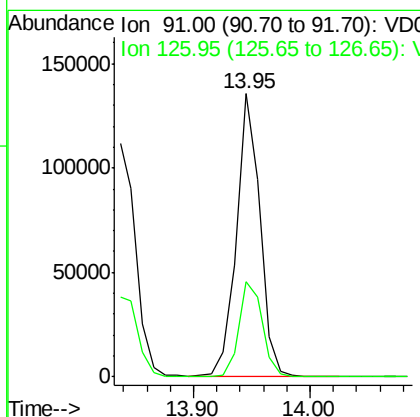
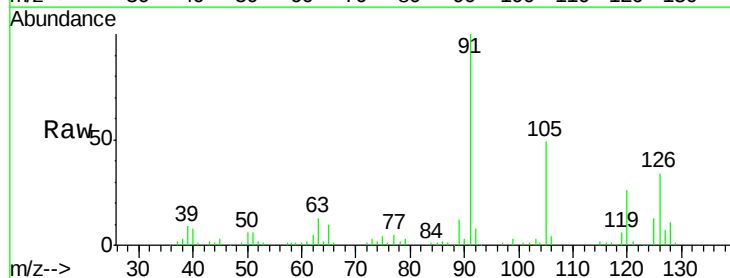
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

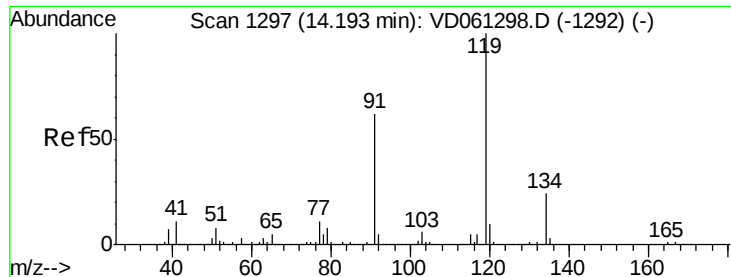
Tot Ion: 75 Resp: 16135
Ion Ratio Lower Upper
75 100
53 77.6 65.3 97.9
89 44.1 33.8 50.6



#82
4-Chlorotoluene
Concen: 9.145 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 91 Resp: 189887
Ion Ratio Lower Upper
91 100
126 33.6 17.7 53.1





#83

tert-Butylbenzene

Concen: 8.852 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

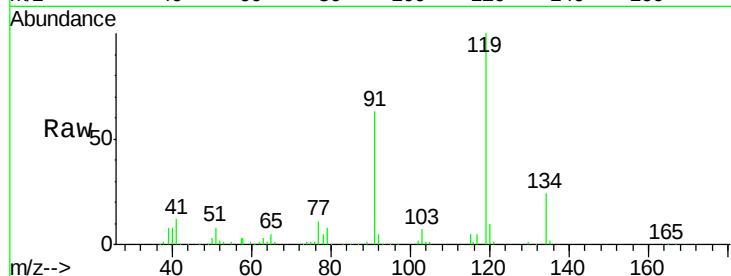
Tot Ion:119 Resp: 230557

Ion Ratio Lower Upper

119 100

91 63.2 31.1 93.5

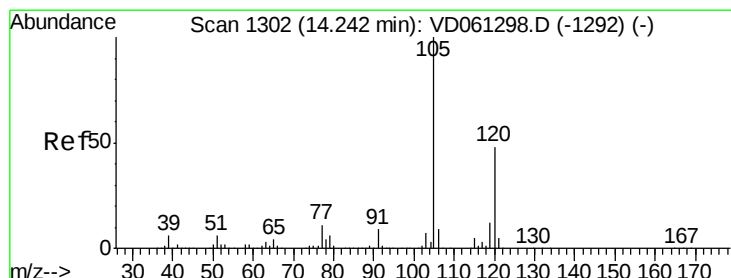
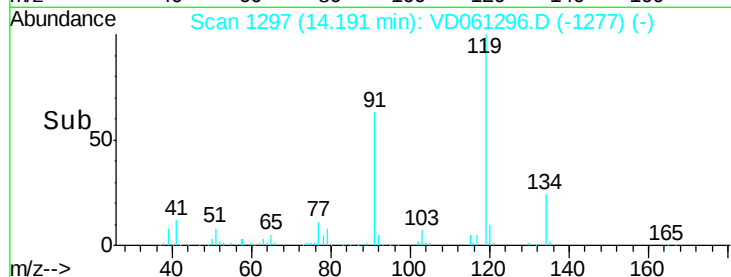
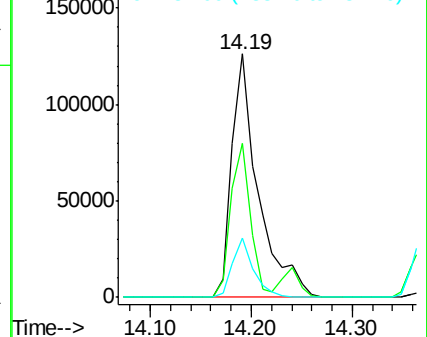
134 24.3 11.9 35.7



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: 8.555 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061296.D

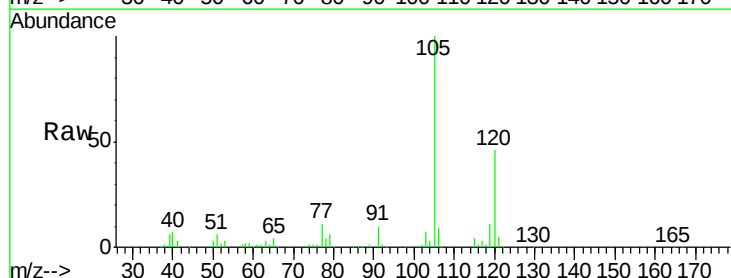
Acq: 25 Mar 2019 11:19

Tgt Ion:105 Resp: 195140

Ion Ratio Lower Upper

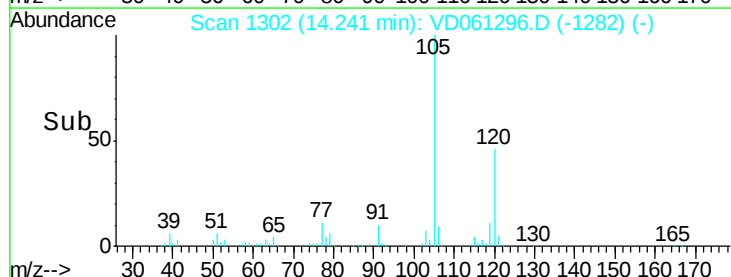
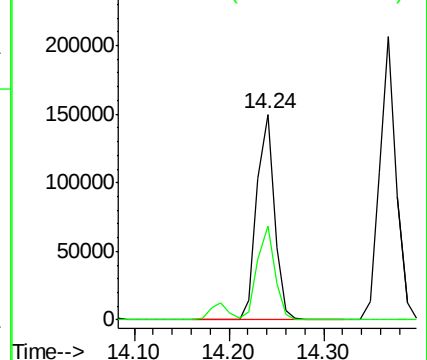
105 100

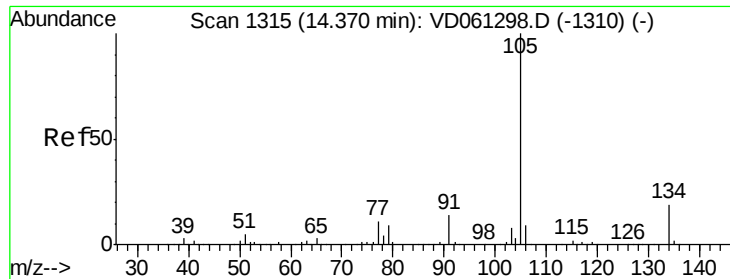
120 45.6 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

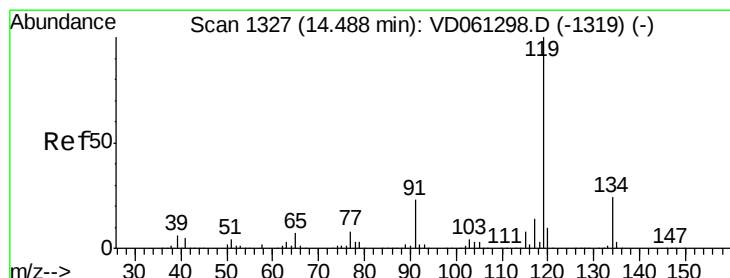
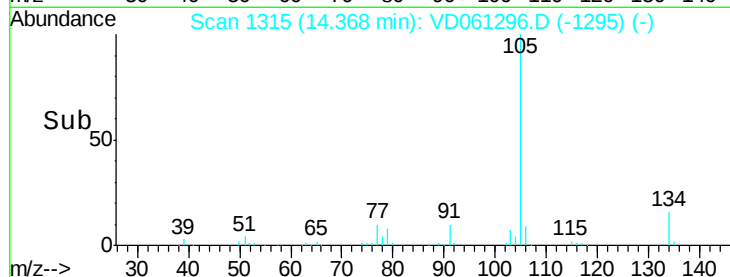
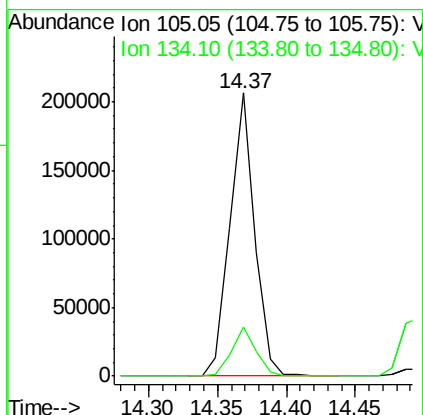
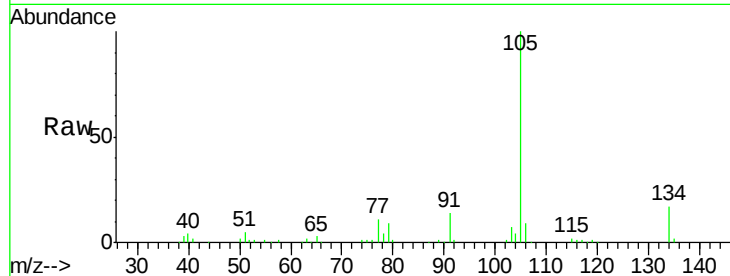




#85
 sec-Butylbenzene
 Concen: 8.814 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

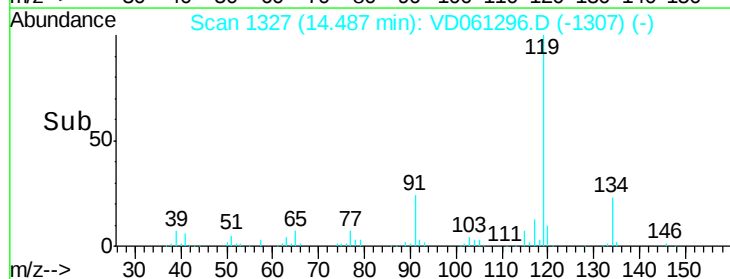
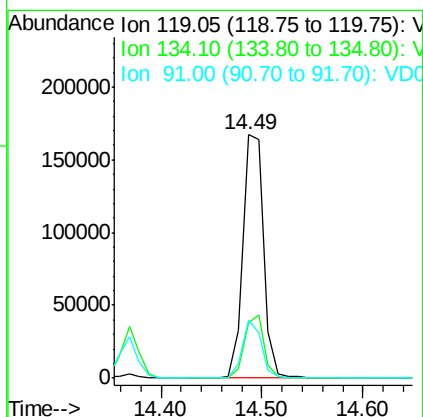
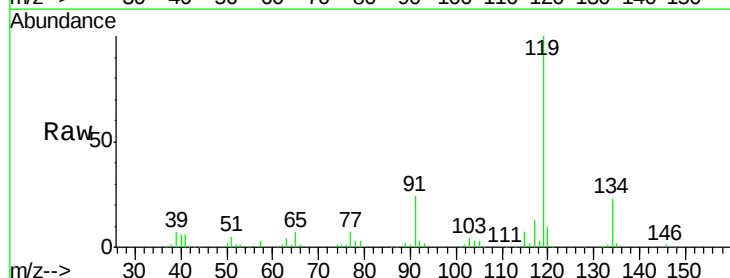
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

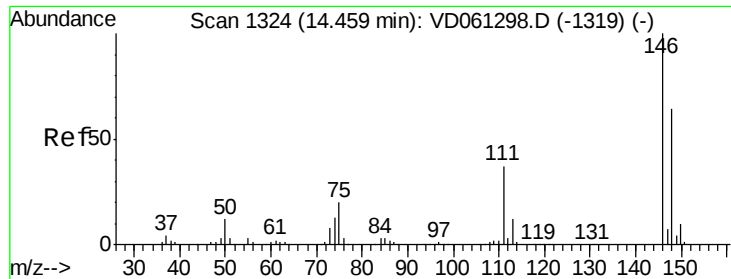
Tot Ion:105 Resp: 255653
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 9.199 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion:119 Resp: 238057
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.1 36.3
 91 23.6 11.4 34.2

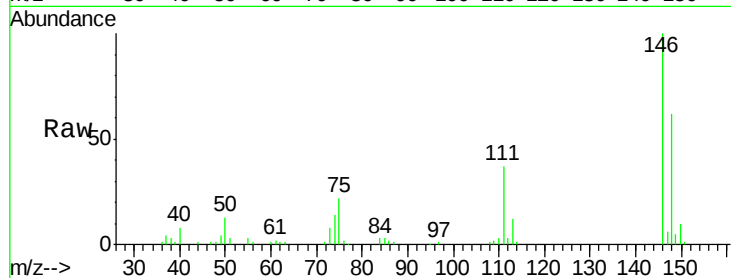




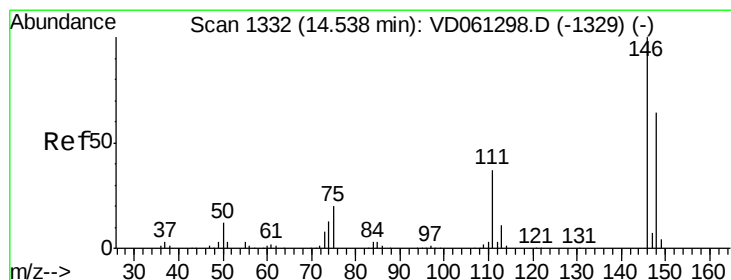
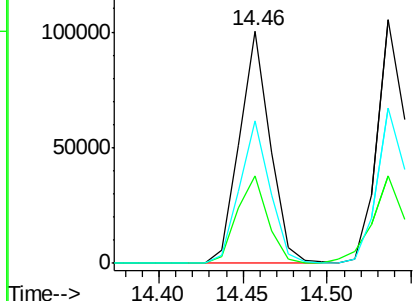
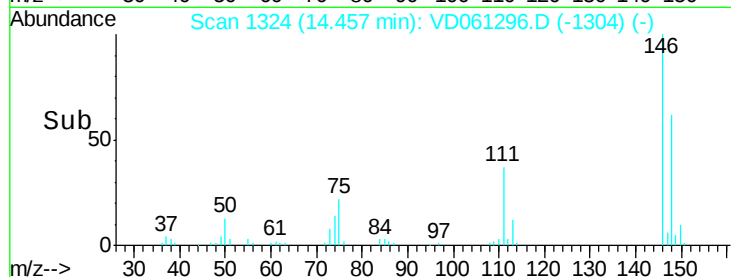
#87
 1,3-Dichlorobenzene
 Concen: 8.818 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 126250
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.0
 148 61.5 32.0 96.2

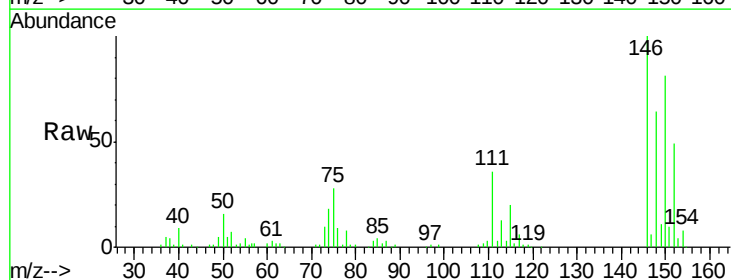


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

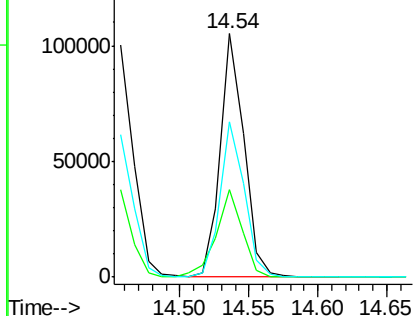
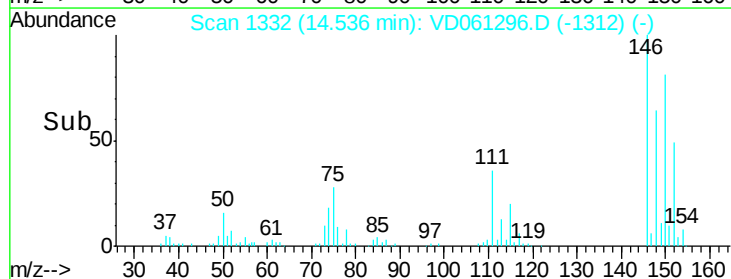


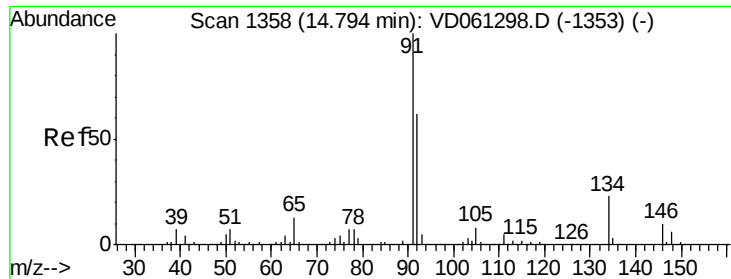
#88
 1,4-Dichlorobenzene
 Concen: 9.028 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion:146 Resp: 125197
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.6 55.6
 148 63.7 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

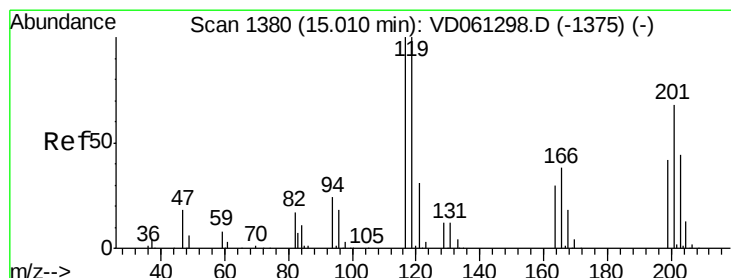
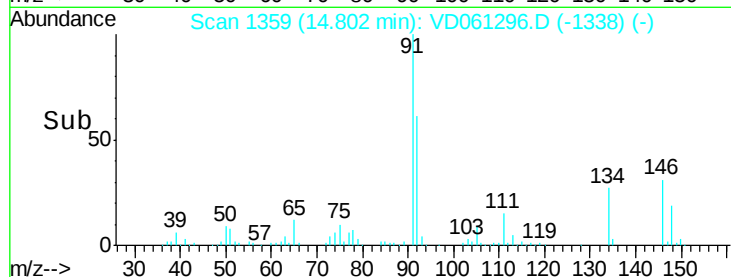
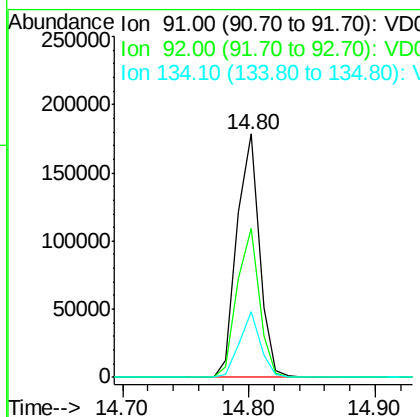
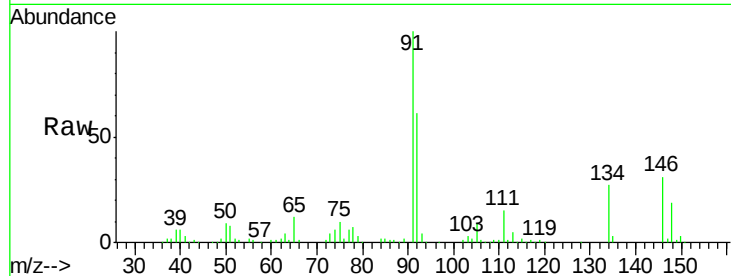




#89
n-Butylbenzene
Concen: 9.559 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

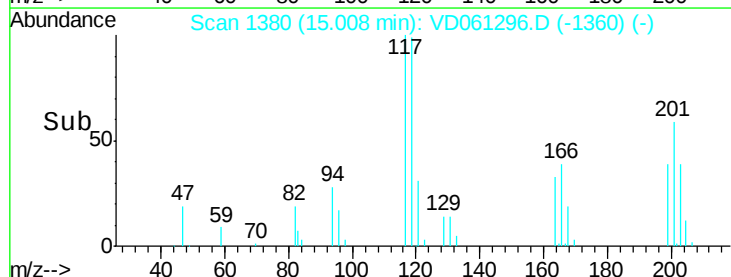
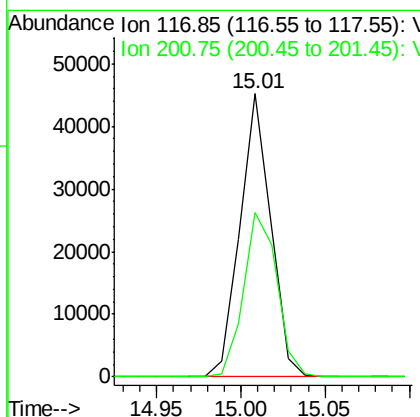
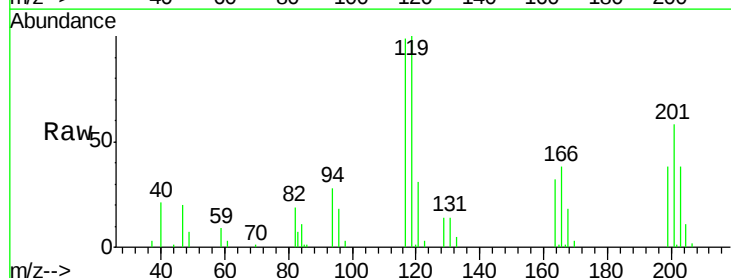
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

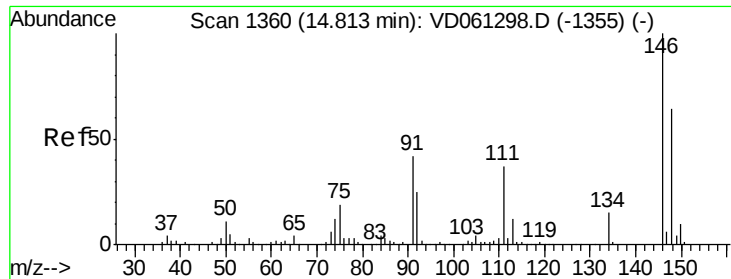
Tot Ion: 91 Resp: 219622
Ion Ratio Lower Upper
91 100
92 61.0 30.9 92.7
134 26.9 11.7 35.0



#90
Hexachloroethane
Concen: 8.227 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061296.D
Acq: 25 Mar 2019 11:19

Tgt Ion: 117 Resp: 57081
Ion Ratio Lower Upper
117 100
201 58.1 34.0 101.8





#91

1,2-Dichlorobenzene

Concen: 10.014 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

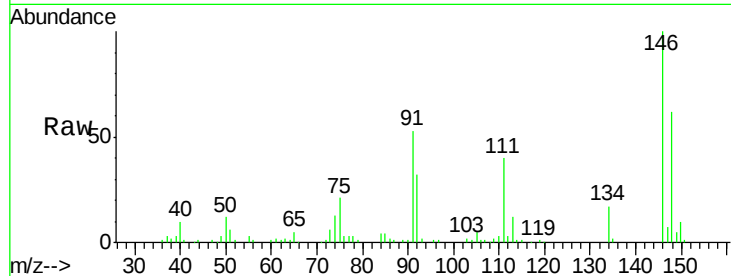
Tot Ion:146 Resp: 114394

Ion Ratio Lower Upper

146 100

111 39.8 18.3 54.8

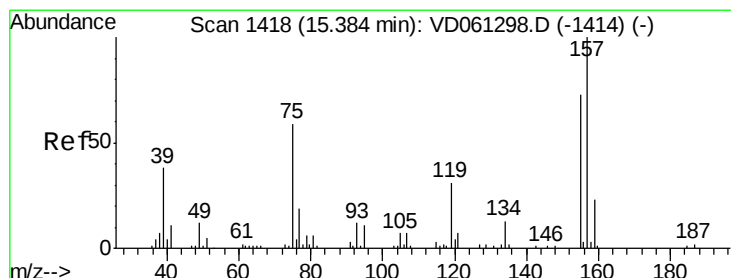
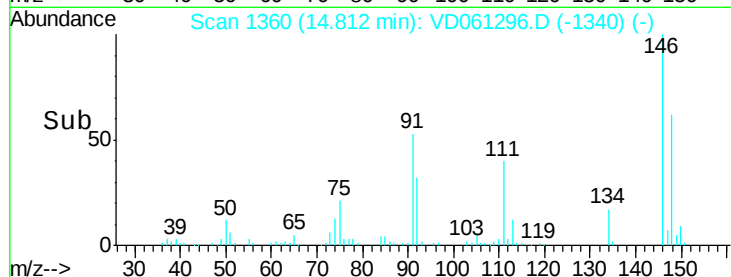
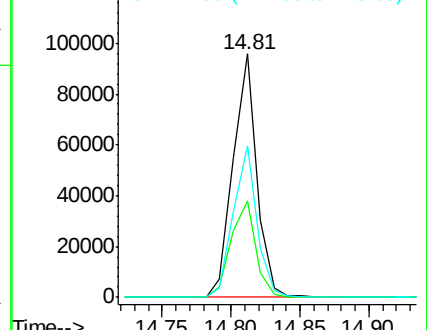
148 62.2 31.9 95.7



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: 7.804 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

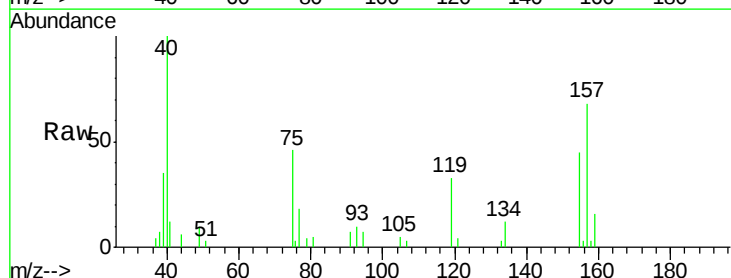
Tgt Ion: 75 Resp: 5468

Ion Ratio Lower Upper

75 100

155 98.0 61.9 185.7

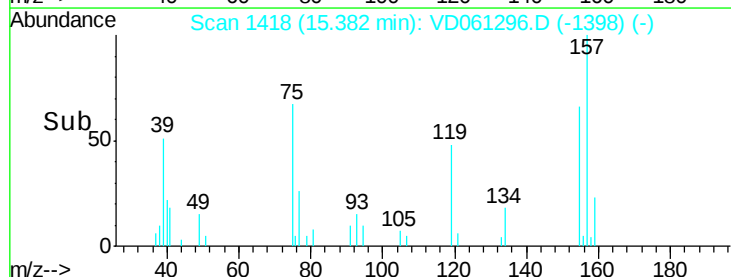
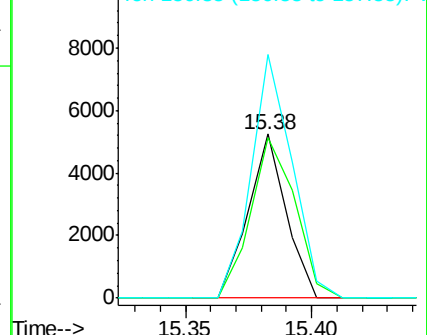
157 148.3 84.4 253.2

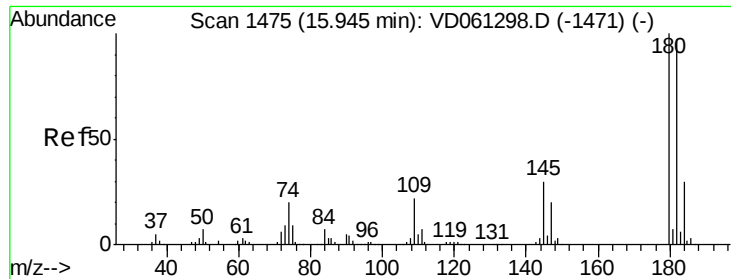


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

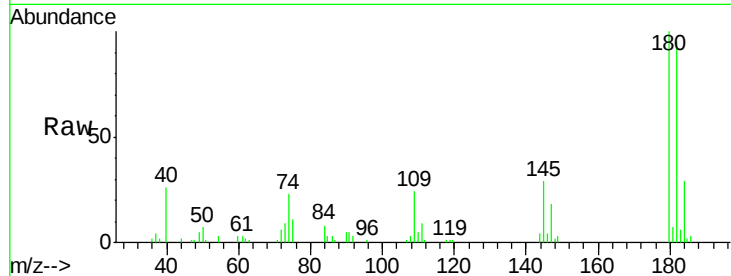




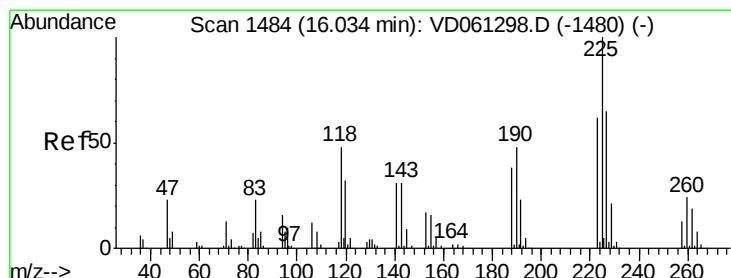
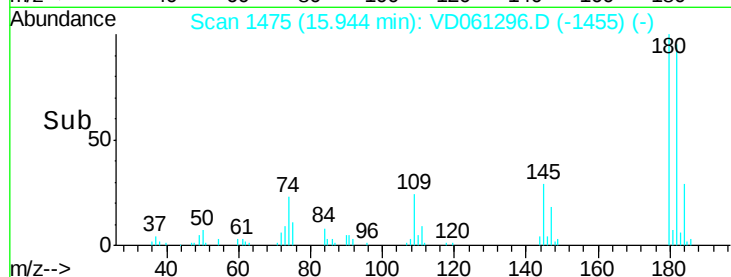
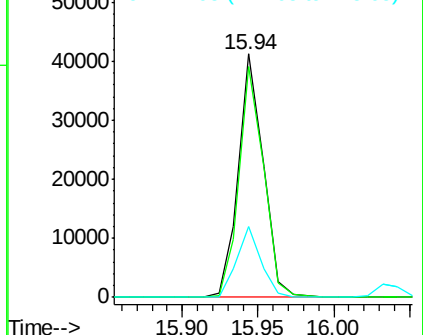
#93
 1,2,4-Trichlorobenzene
 Concen: 8.936 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion:180 Resp: 47144
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.3 144.9
 145 29.3 14.8 44.4

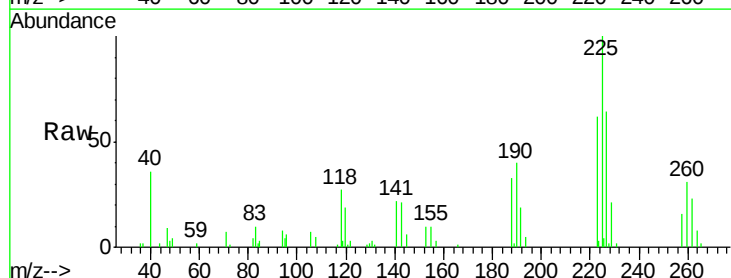


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

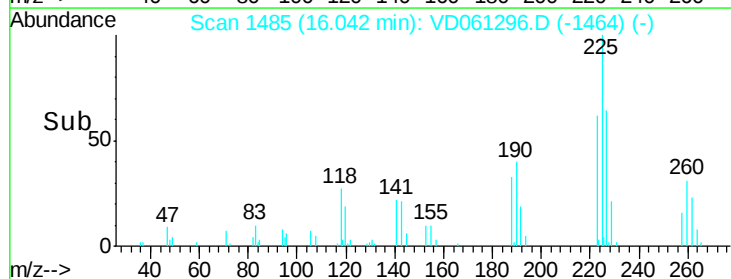
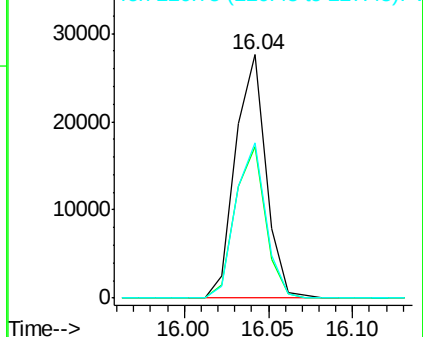


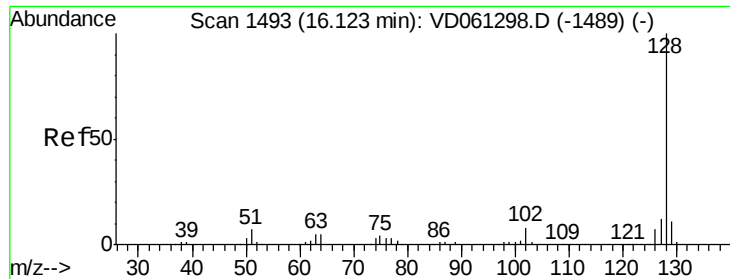
#94
 Hexachlorobutadiene
 Concen: 8.173 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061296.D
 Acq: 25 Mar 2019 11:19

Tgt Ion:225 Resp: 34747
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.8
 227 64.0 32.6 97.7



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





#95

Naphthalene

Concen: 8.662 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

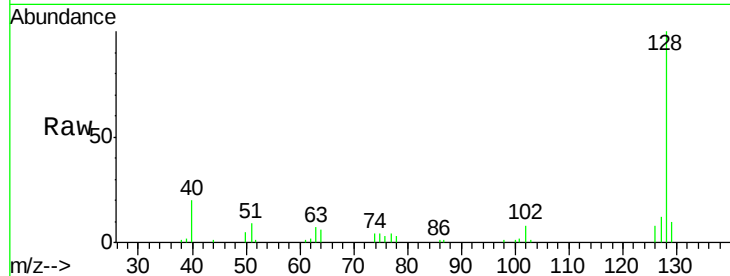
Tot Ion:128 Resp: 66673

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.6

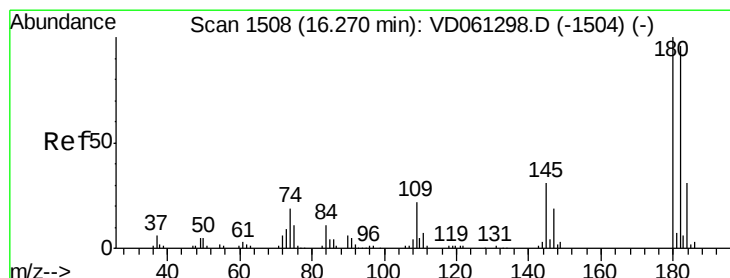
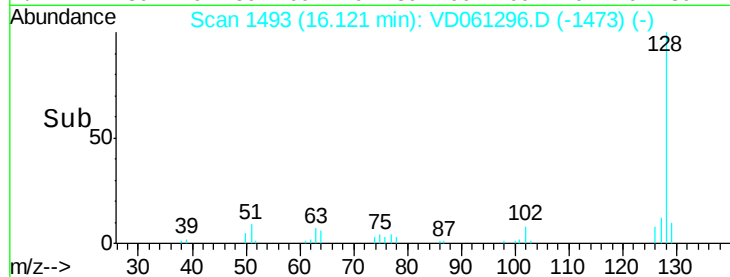
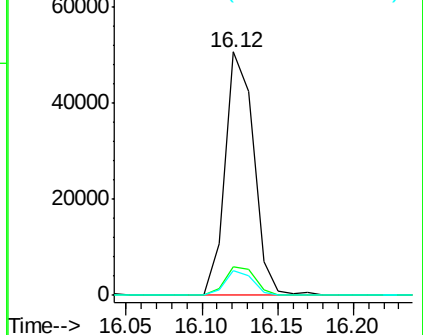
129 10.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.364 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD061296.D

Acq: 25 Mar 2019 11:19

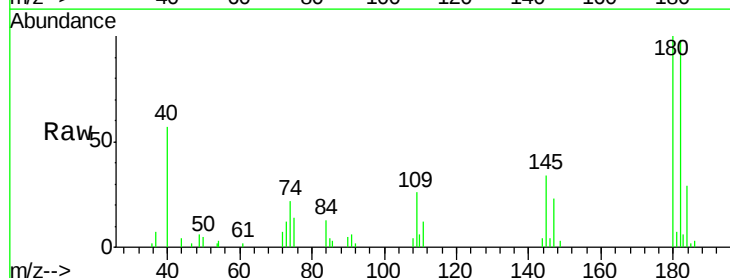
Tgt Ion:180 Resp: 20610

Ion Ratio Lower Upper

180 100

182 98.5 48.0 144.2

145 34.0 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

