

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
 Data File : VD061298.D
 Acq On : 25 Mar 2019 12:14
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 26 02:05:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	705431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1197362	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	961496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	428009	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	328106	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	6.94	113	494333	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.41	98	1161770	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	13.55	95	445900	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.59	85	387892	53.749	ug/l	100
3) Chloromethane	1.77	50	284898	50.614	ug/l	100
4) Vinyl Chloride	1.87	62	282597	53.703	ug/l	100
5) Bromomethane	2.16	94	60012	55.082	ug/l	100
6) Chloroethane	2.28	64	106066	64.043	ug/l	100
7) Trichlorofluoromethane	2.55	101	435947	55.956	ug/l	100
8) Diethyl Ether	2.88	74	118920	51.398	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.17	101	423449	53.467	ug/l	100
10) Methyl Iodide	3.32	142	676248	61.123	ug/l	100
11) Tert butyl alcohol	4.08	59	90399	278.952	ug/l	100
12) 1,1-Dichloroethene	3.15	96	361694	53.081	ug/l	100
13) Acrolein	3.05	56	83581	235.306	ug/l	100
14) Allyl chloride	3.64	41	513068	53.167	ug/l	100
15) Acrylonitrile	4.21	53	316037	277.295	ug/l	100
16) Acetone	3.24	43	455559	312.550	ug/l	100
17) Carbon Disulfide	3.39	76	1237907	54.654	ug/l	100
18) Methyl Acetate	3.65	43	145354	52.807	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	675768	56.280	ug/l	100
20) Methylene Chloride	3.84	84	388398	46.992	ug/l	100
21) trans-1,2-Dichloroethene	4.24	96	428876	56.232	ug/l	100
22) Diisopropyl ether	5.14	45	1146441	56.400	ug/l	100
23) Vinyl Acetate	5.08	43	3077090	283.564	ug/l	100
24) 1,1-Dichloroethane	5.00	63	670004	56.479	ug/l	100
25) 2-Butanone	6.08	43	496106	294.557	ug/l	100
26) 2,2-Dichloropropane	6.04	77	550000	54.665	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	460534	56.153	ug/l	100
28) Bromochloromethane	6.45	49	274674	55.312	ug/l	100
29) Tetrahydrofuran	6.47	42	241669	288.273	ug/l	100
30) Chloroform	6.67	83	699723	55.321	ug/l	100
31) Cyclohexane	6.97	56	552562	57.386	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	652828	58.289	ug/l	100
36) 1,1-Dichloropropene	7.16	75	512356	52.319	ug/l	100
37) Ethyl Acetate	6.19	43	224551	55.058	ug/l	100
38) Carbon Tetrachloride	7.12	117	654461	56.543	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	573579	56.506	ug/l	100
40) Benzene	7.46	78	1373247	56.407	ug/l	100
41) Methacrylonitrile	6.46	41	270626	56.903	ug/l	100
42) 1,2-Dichloroethane	7.59	62	412169	54.331	ug/l	100
43) Isopropyl Acetate	9.24	43	329812	55.902	ug/l	100
44) Trichloroethene	8.55	130	484846	55.103	ug/l	100
45) 1,2-Dichloropropane	8.95	63	344598	57.387	ug/l	100
46) Dibromomethane	9.06	93	227127	55.166	ug/l	100
47) Bromodichloromethane	9.38	83	545878	56.578	ug/l	100
48) Methyl methacrylate	9.12	41	157169	49.911	ug/l	100
49) 1,4-Dioxane	9.08	88	39394	1140.194	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	950928	270.755	ug/l	100
52) Toluene	10.51	92	753579	50.621	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	457023	54.510	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	569807	55.656	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	254616	51.517	ug/l	100
56) Ethyl methacrylate	11.04	69	292583	55.477	ug/l	100
57) 1,3-Dichloropropane	11.41	76	423716	56.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	738186	269.047	ug/l	100
59) 2-Hexanone	11.54	43	764915	299.869	ug/l	100
60) Dibromochloromethane	11.68	129	438521	56.647	ug/l	100
61) 1,2-Dibromoethane	11.81	107	313259	54.246	ug/l	100
64) Tetrachloroethene	11.26	164	357532	53.979	ug/l	100
65) Chlorobenzene	12.40	112	956500	54.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	387154	56.385	ug/l	100
67) Ethyl Benzene	12.53	91	1480927	54.640	ug/l	100
68) m/p-Xylenes	12.67	106	1075743	101.679	ug/l	100
69) o-Xylene	13.05	106	544114	55.452	ug/l	100
70) Styrene	13.07	104	924757	55.530	ug/l	100
71) Bromoform	13.24	173	238787	56.831	ug/l	100
73) Isopropylbenzene	13.41	105	1491783	53.587	ug/l	100
74) N-amyl acetate	13.27	43	401556	55.133	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	308391	57.125	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	286871	53.895	ug/l	100
77) Bromobenzene	13.67	156	440339	56.627	ug/l	100
78) n-propylbenzene	13.77	91	1683415	53.599	ug/l	100
79) 2-Chlorotoluene	13.84	91	939536	51.482	ug/l	100
80) 1,3,5-Trimethylbenzene	14.24	105	1186289	54.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	97698	58.160	ug/l	100
82) 4-Chlorotoluene	13.95	91	1050000	52.522	ug/l	100
83) tert-Butylbenzene	14.19	119	1377531	54.936	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1186289	54.017	ug/l	100
85) sec-Butylbenzene	14.37	105	1494238	53.508	ug/l	100
86) p-Isopropyltoluene	14.49	119	1368174	54.916	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	728690	52.867	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	751104	56.255	ug/l	100
89) n-Butylbenzene	14.79	91	1169770	52.885	ug/l	100
90) Hexachloroethane	15.01	117	374736	56.100	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	580749	52.804	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37977	56.296	ug/l	100

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QLast Update : Tue Mar 26 01:57:31 2019
Response via : Initial Calibration

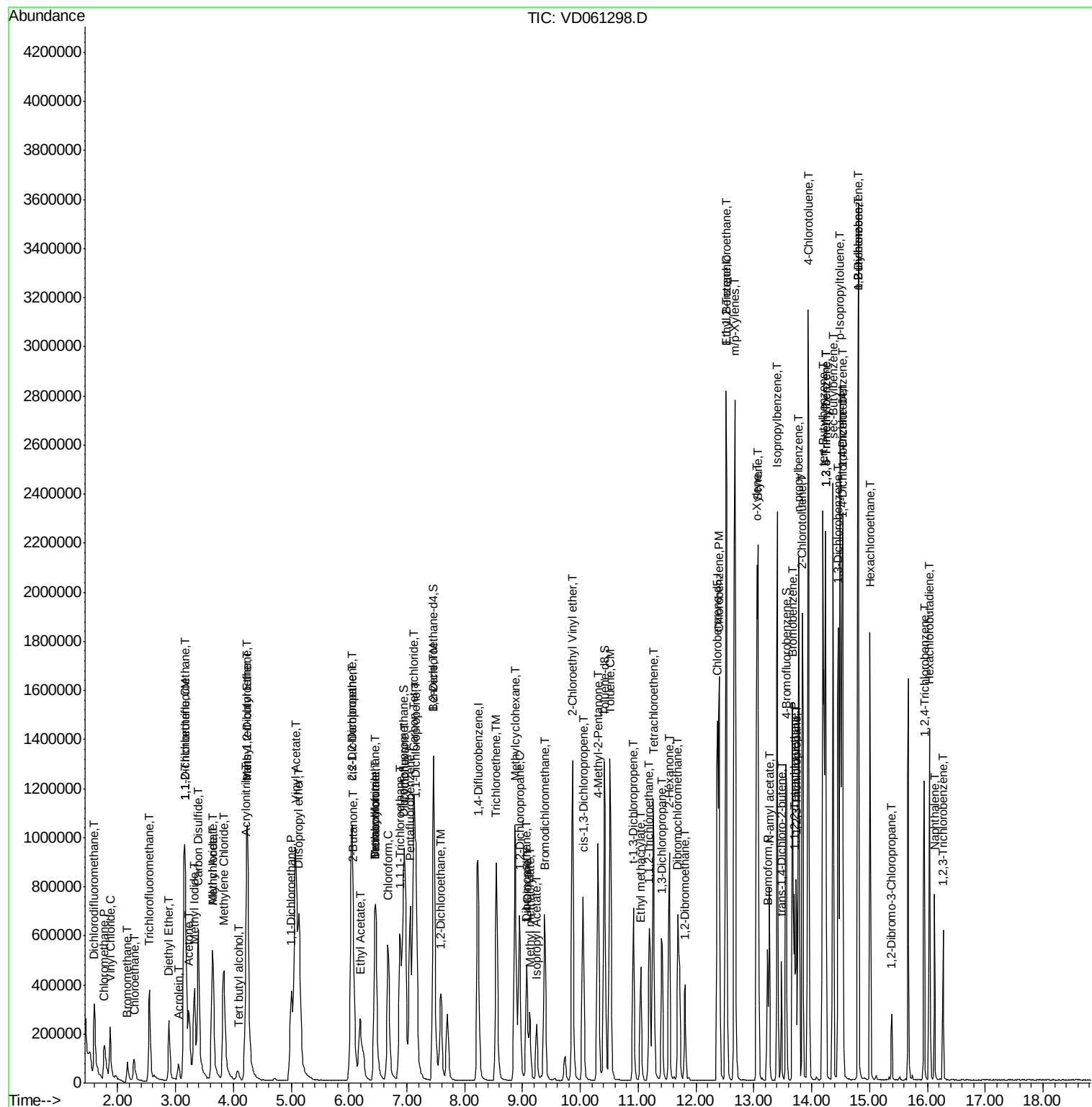
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	304873	60.021	ug/l	100
94) Hexachlorobutadiene	16.03	225	243686	59.536	ug/l	100
95) Naphthalene	16.12	128	447682	60.414	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	148439	62.569	ug/l	100

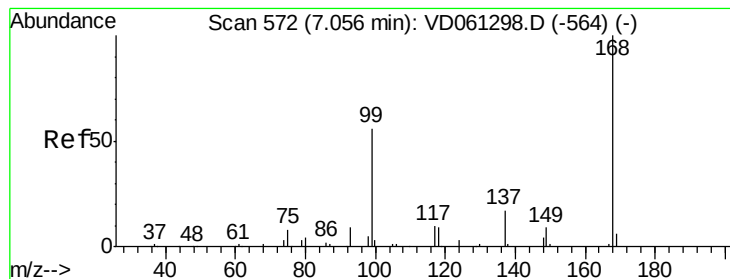
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

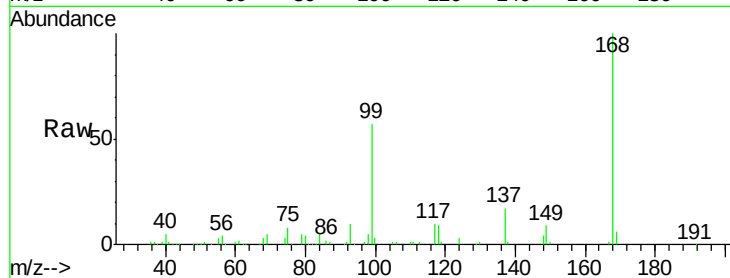
VSTDICCC050

Tgt Ion:168 Resp: 705431

Ion Ratio Lower Upper

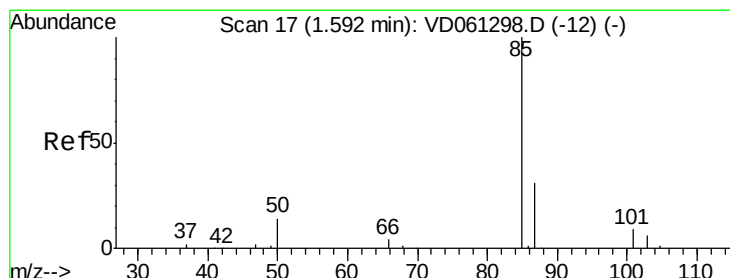
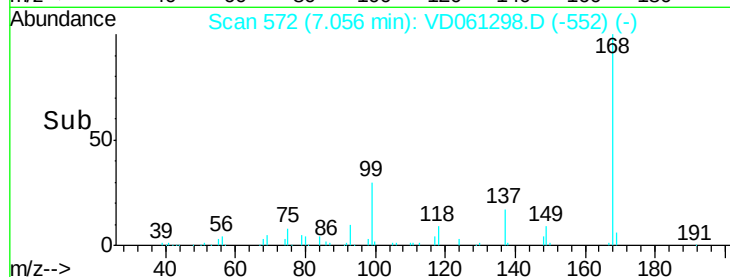
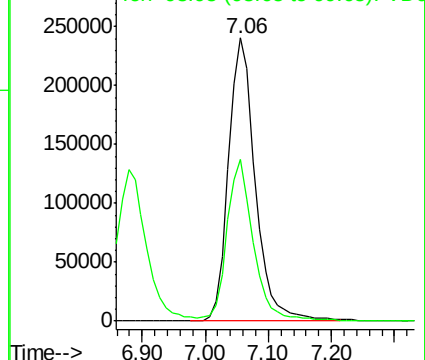
168 100

99 57.3 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: 53.749 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061298.D

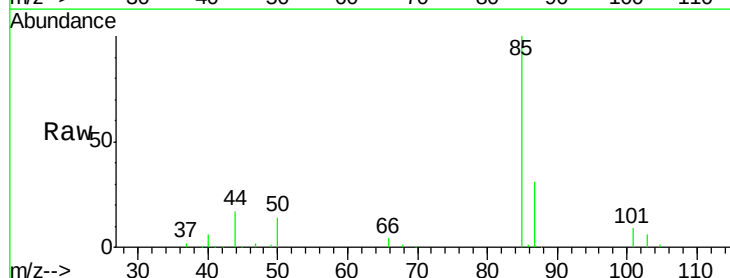
Acq: 25 Mar 2019 12:14

Tgt Ion: 85 Resp: 387892

Ion Ratio Lower Upper

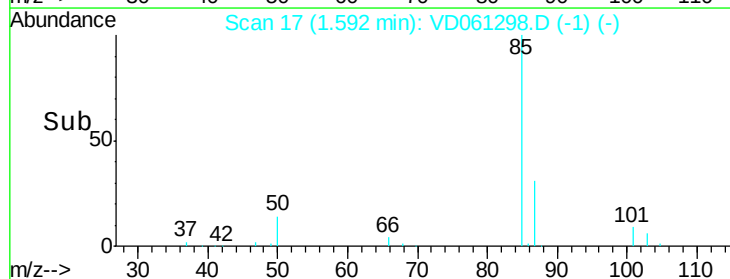
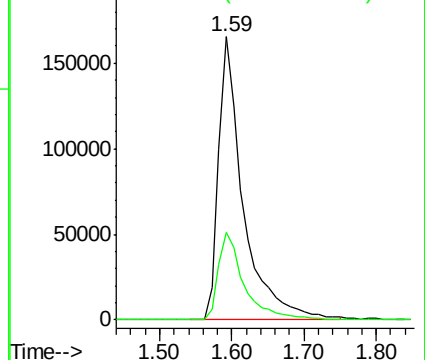
85 100

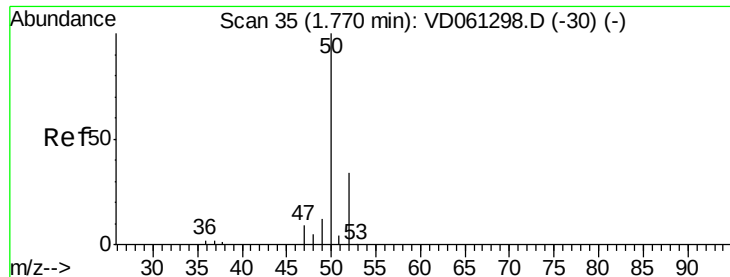
87 30.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.614 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

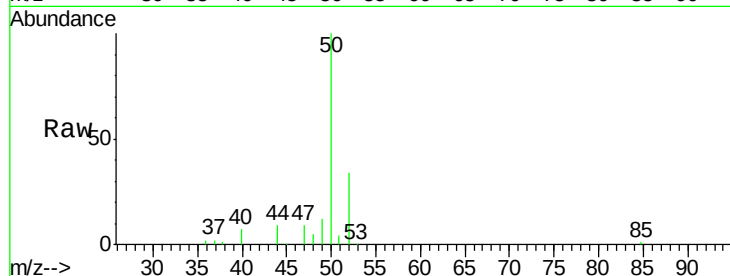
VSTDICCC050

Tgt Ion: 50 Resp: 284898

Ion Ratio Lower Upper

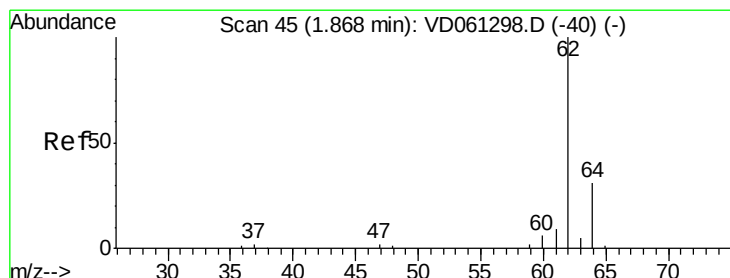
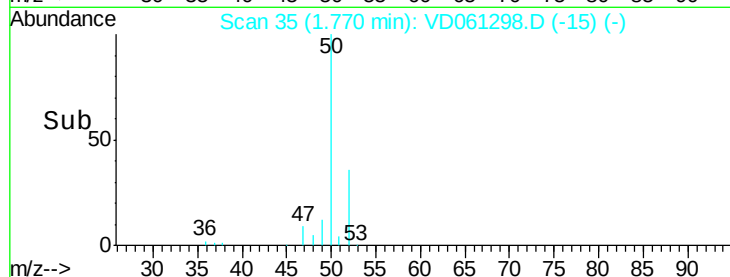
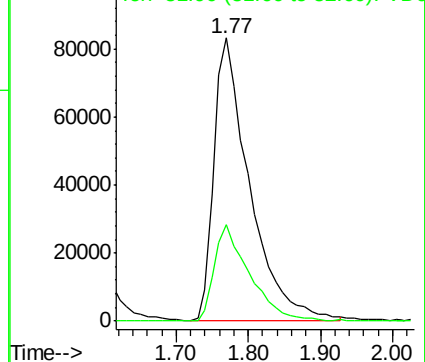
50 100

52 33.9 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: 53.703 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061298.D

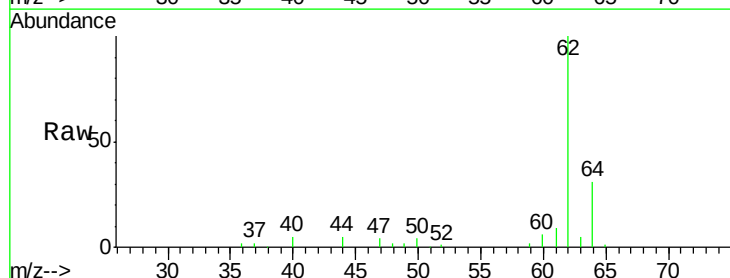
Acq: 25 Mar 2019 12:14

Tgt Ion: 62 Resp: 282597

Ion Ratio Lower Upper

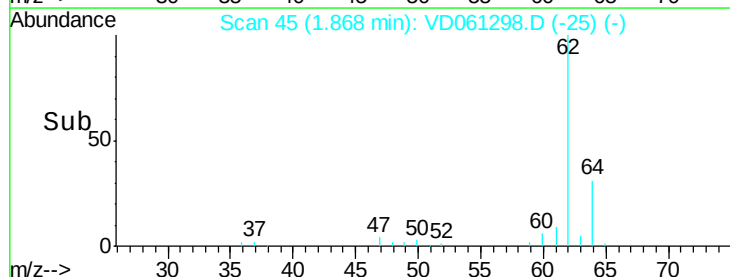
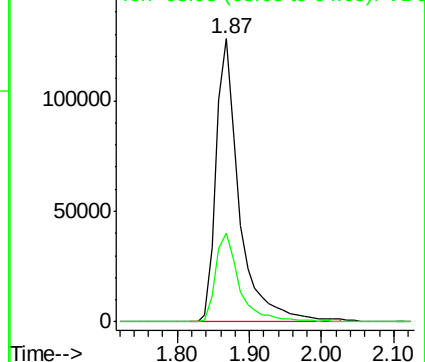
62 100

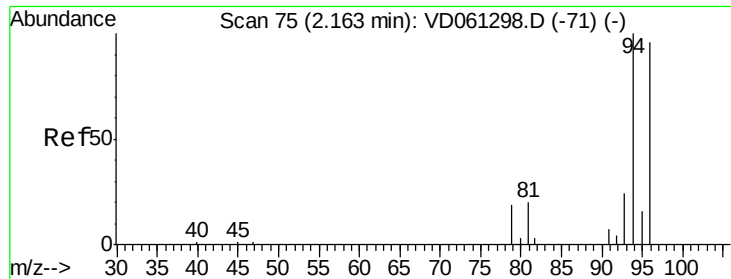
64 31.4 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.082 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061298.D

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VSTDICCC050

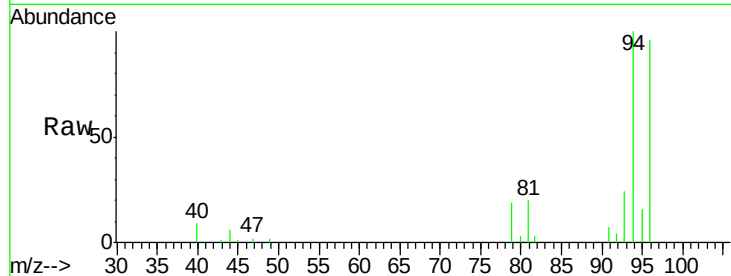
Tgt Ion: 94 Resp: 60012

Ion Ratio Lower Upper

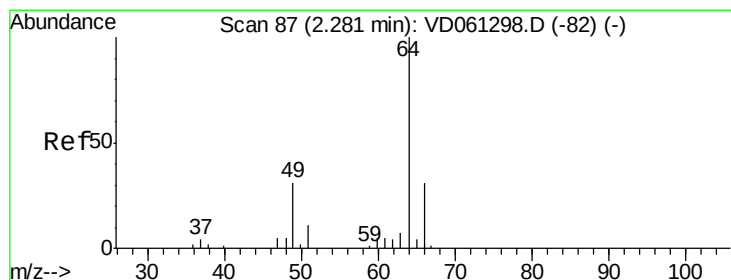
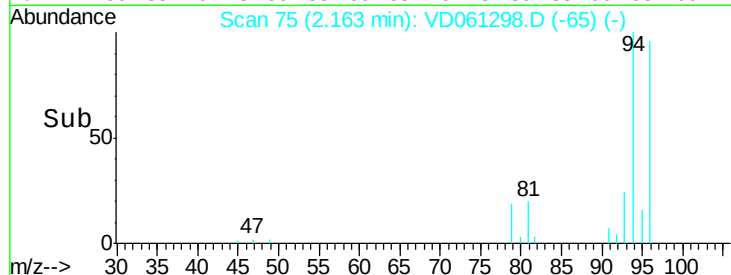
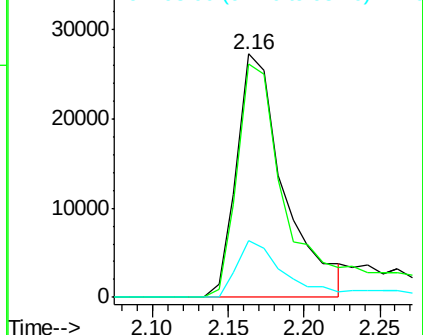
94 100

96 96.1 76.9 115.3

93 23.5 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: 64.043 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD061298.D

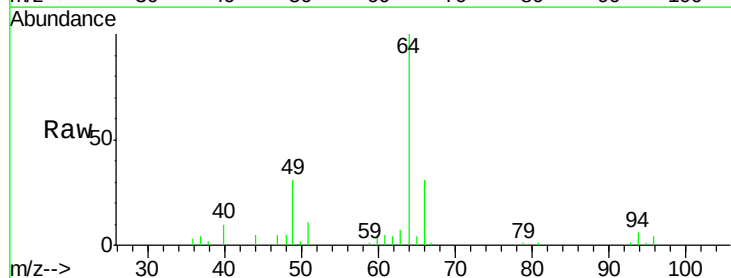
Acq: 25 Mar 2019 12:14

Tgt Ion: 64 Resp: 106066

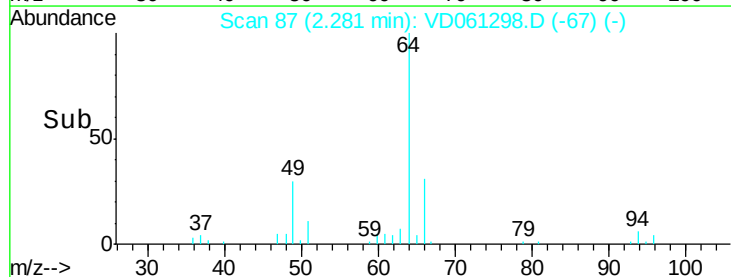
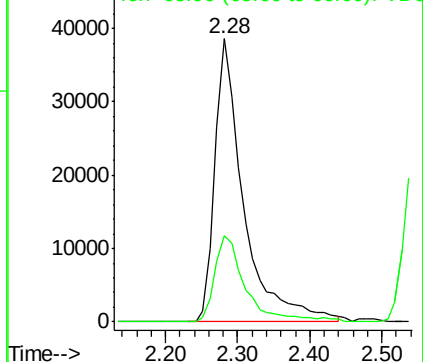
Ion Ratio Lower Upper

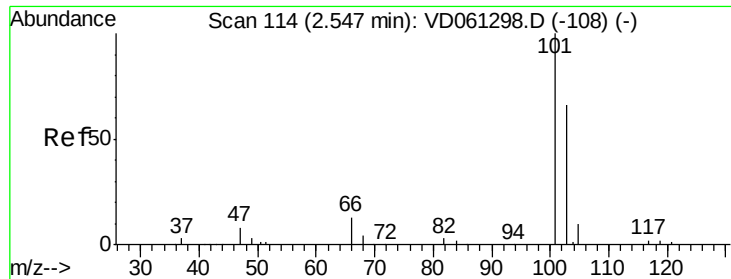
64 100

66 30.7 24.6 36.8



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



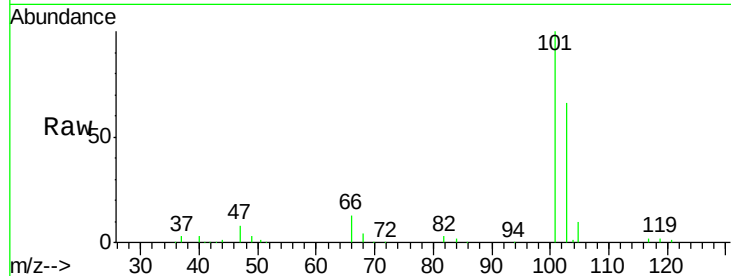


#7

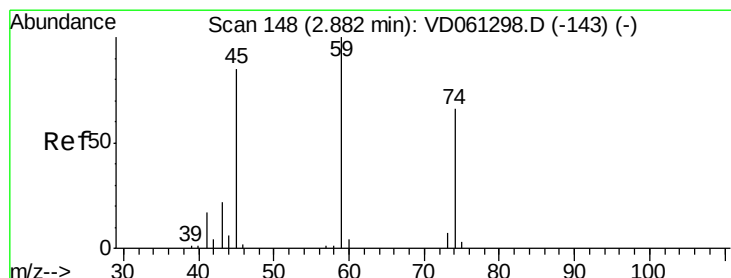
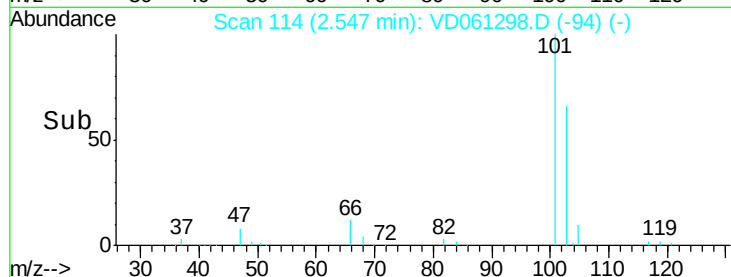
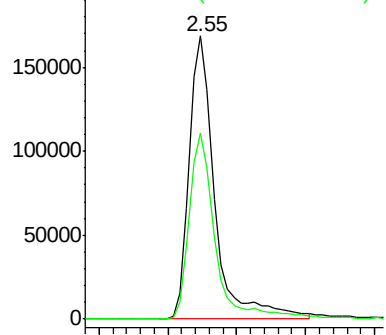
Trichlorofluoromethane
Concen: 55.956 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
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VSTDICCC050

Tgt Ion: 101 Resp: 435947
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0



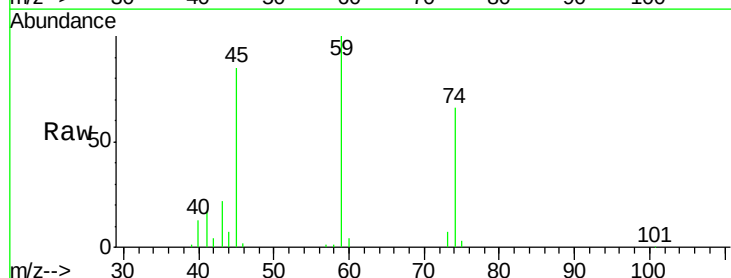
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



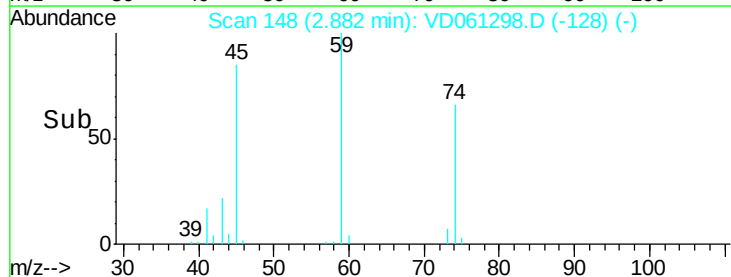
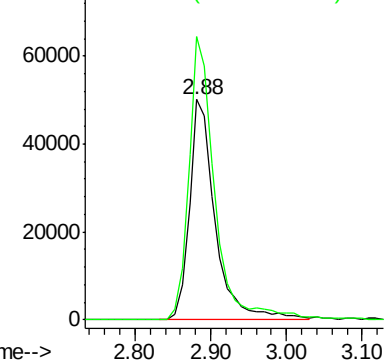
#8

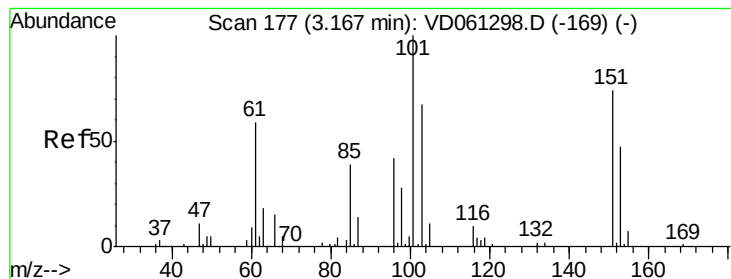
Diethyl Ether
Concen: 51.398 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061298.D
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Tgt Ion: 74 Resp: 118920
Ion Ratio Lower Upper
74 100
45 128.6 64.3 192.9



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: 53.467 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

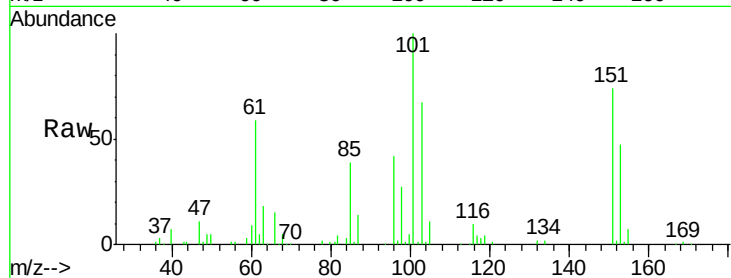
Tgt Ion:101 Resp: 423449

Ion Ratio Lower Upper

101 100

85 39.5 31.6 47.4

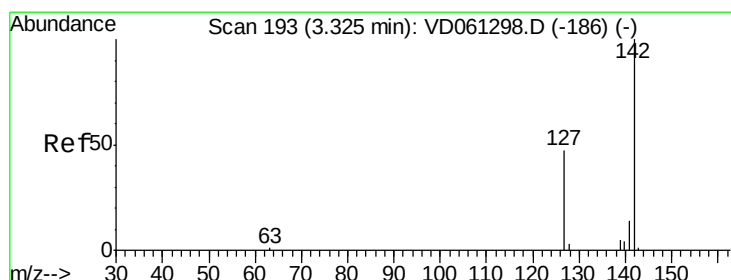
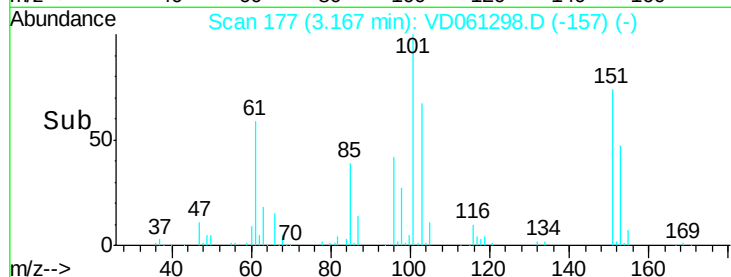
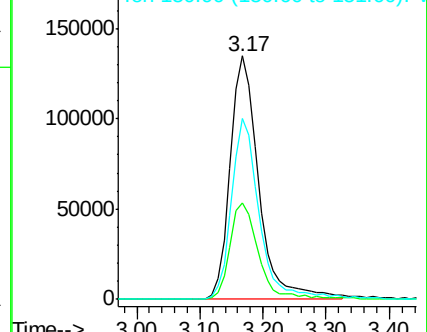
151 74.1 59.3 88.9



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: 61.123 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

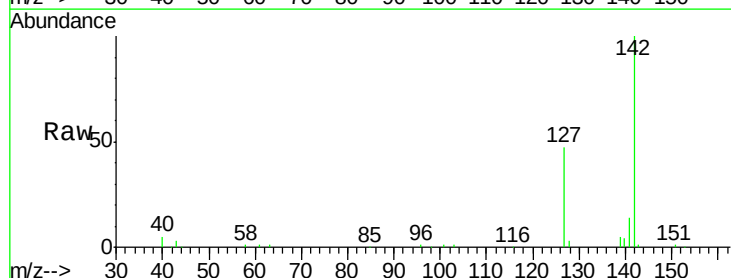
Tgt Ion:142 Resp: 676248

Ion Ratio Lower Upper

142 100

127 47.2 37.8 56.6

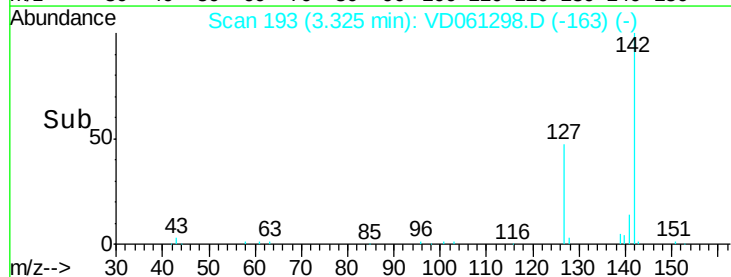
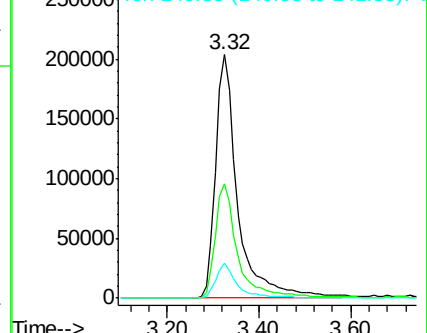
141 14.5 11.6 17.4

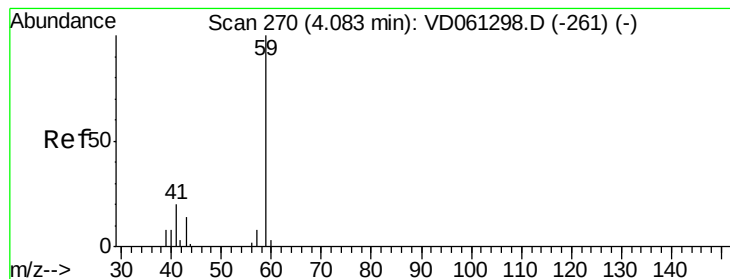


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



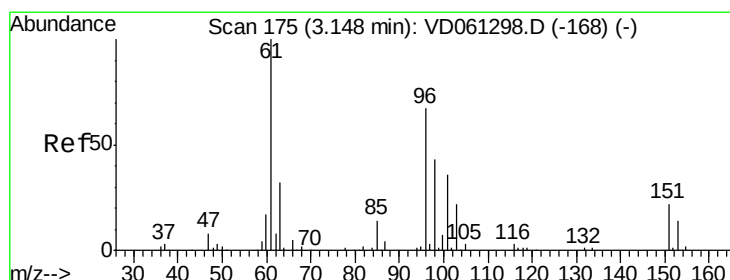
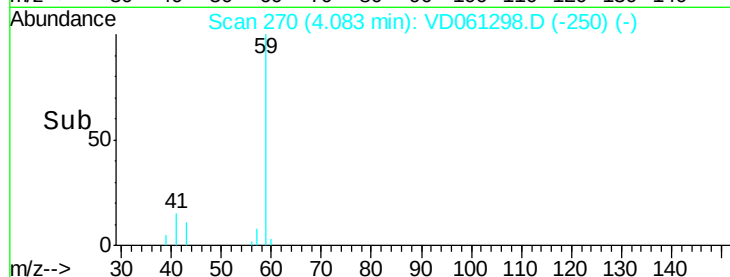
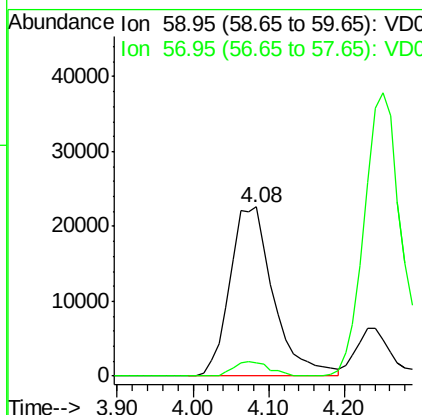
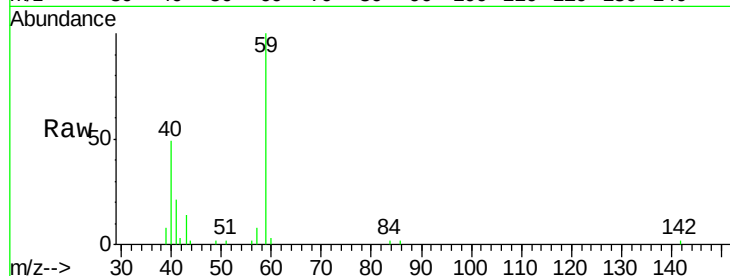


#11

Tert butyl alcohol
Concen: 278.952 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

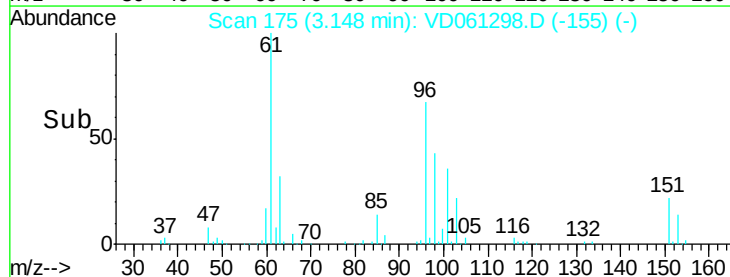
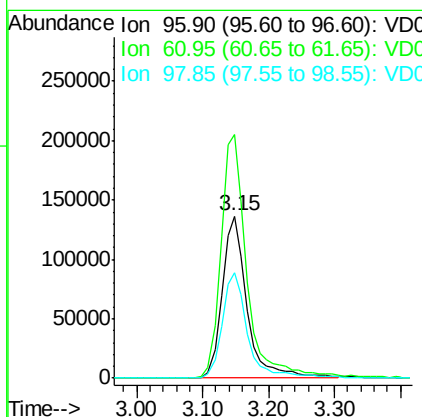
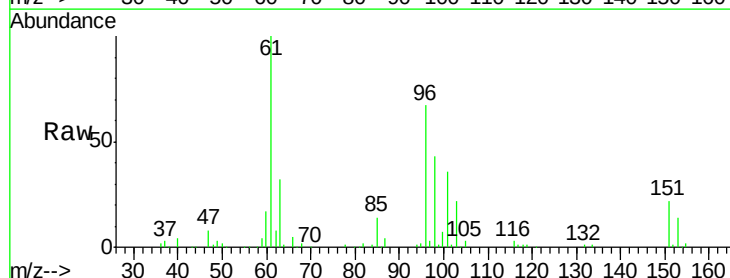
Tgt Ion: 59 Resp: 90399
Ion Ratio Lower Upper
59 100
57 8.2 6.6 9.8

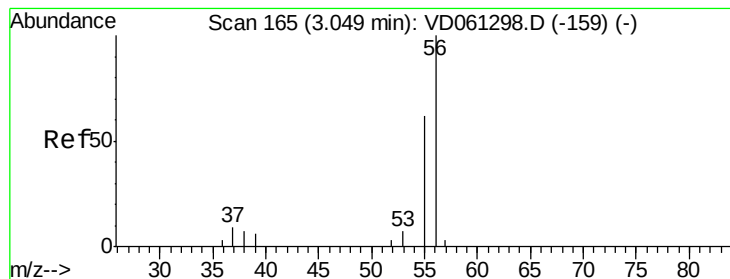


#12

1,1-Dichloroethene
Concen: 53.081 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 96 Resp: 361694
Ion Ratio Lower Upper
96 100
61 150.2 120.2 180.2
98 65.3 52.2 78.4





#13

Acrolein

Concen: 235.306 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

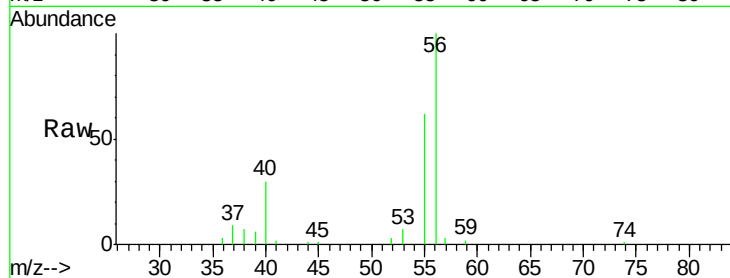
VSTDICCC050

Tgt Ion: 56 Resp: 83581

Ion Ratio Lower Upper

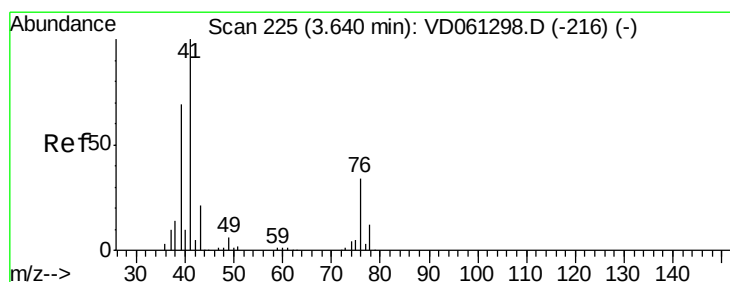
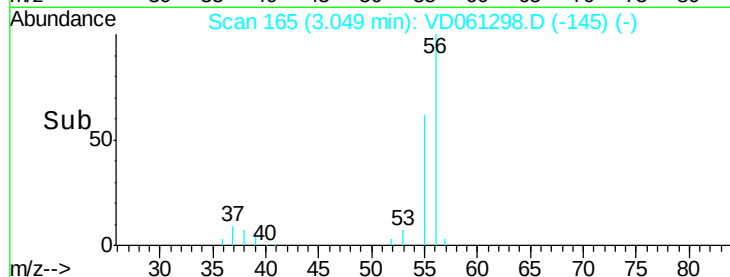
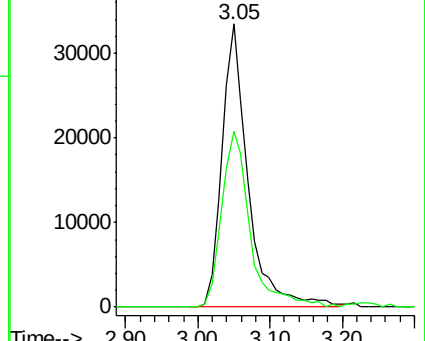
56 100

55 62.2 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: 53.167 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

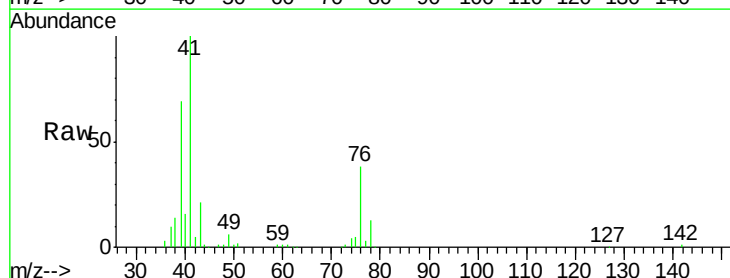
Tgt Ion: 41 Resp: 513068

Ion Ratio Lower Upper

41 100

39 68.9 55.1 82.7

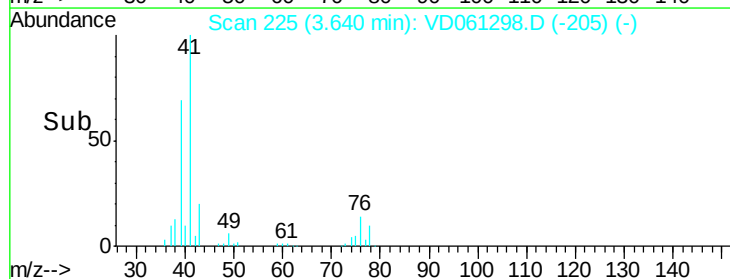
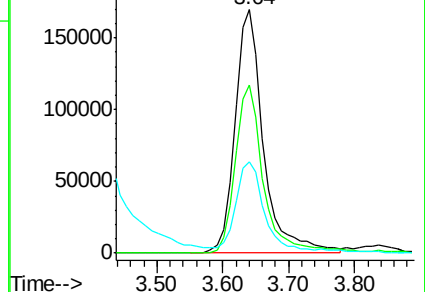
76 37.7 30.2 45.2

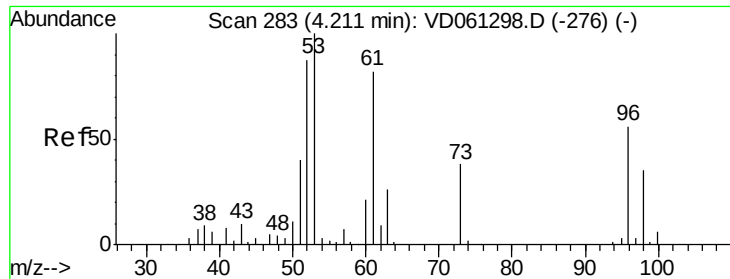


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 277.295 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

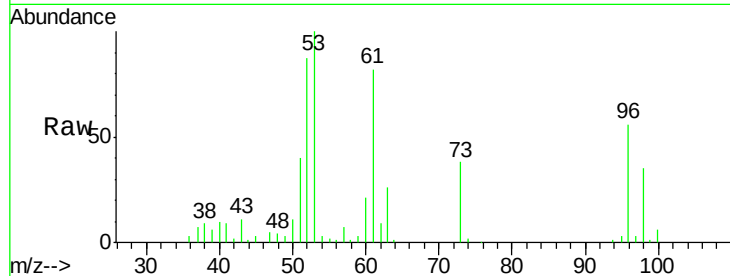
Tgt Ion: 53 Resp: 316037

Ion Ratio Lower Upper

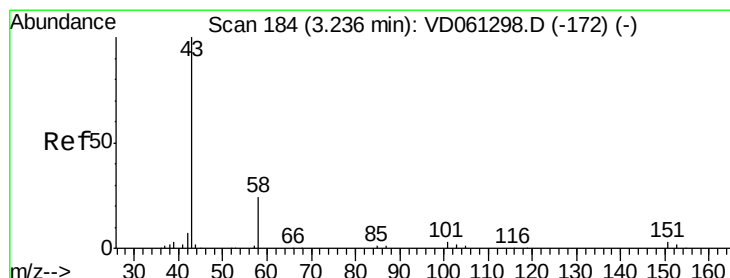
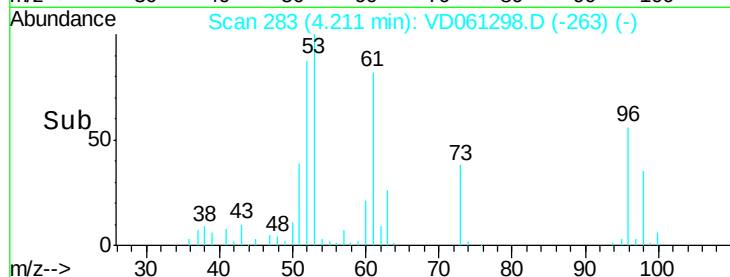
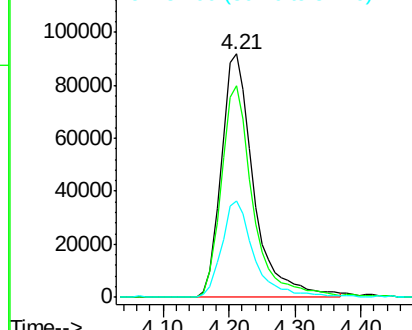
53 100

52 86.8 69.4 104.2

51 39.6 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 312.550 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD061298.D

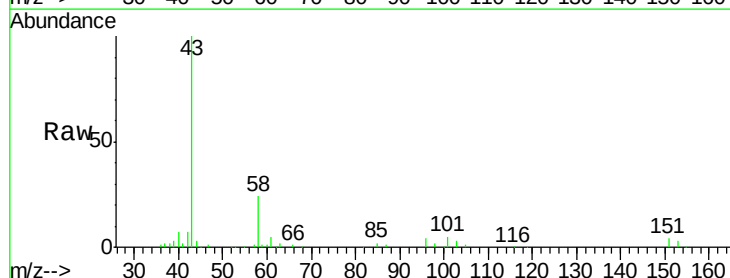
Acq: 25 Mar 2019 12:14

Tgt Ion: 43 Resp: 455559

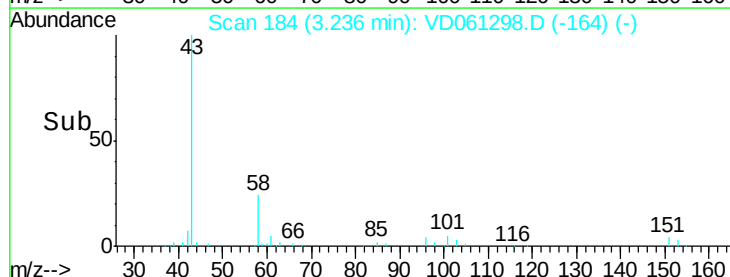
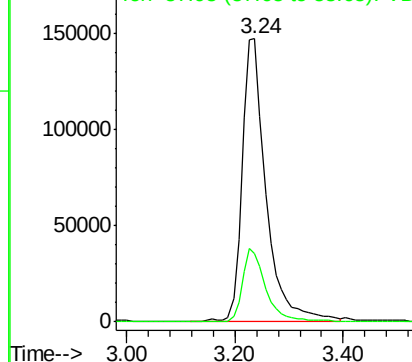
Ion Ratio Lower Upper

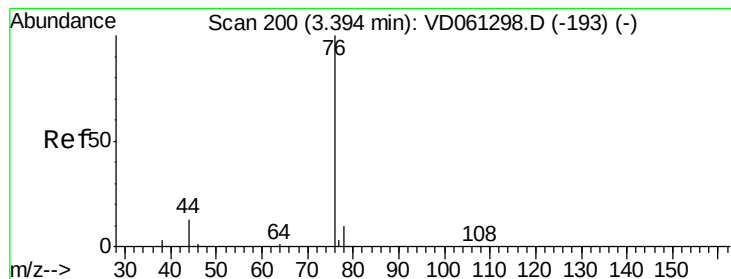
43 100

58 24.2 19.4 29.0



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





#17

Carbon Disulfide

Concen: 54.654 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

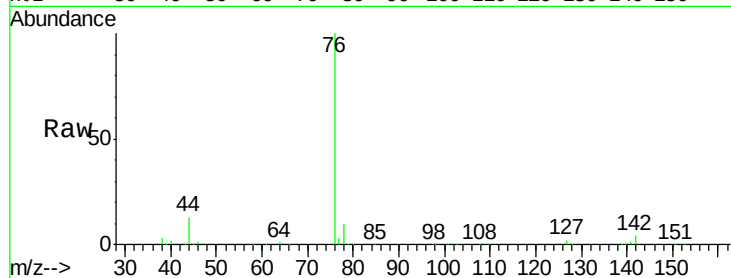
VSTDICCC050

Tgt Ion: 76 Resp: 1237907

Ion Ratio Lower Upper

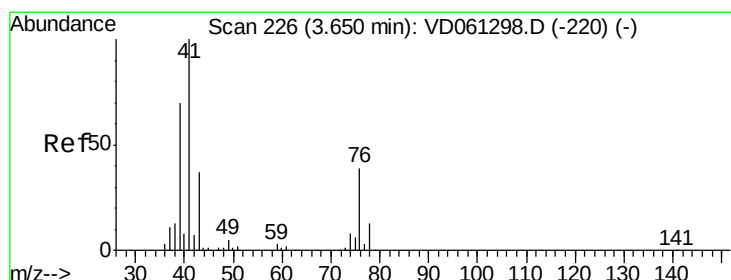
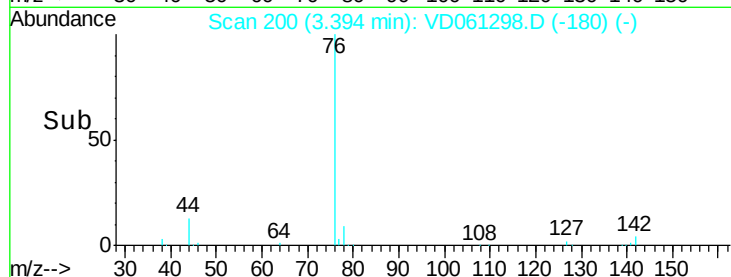
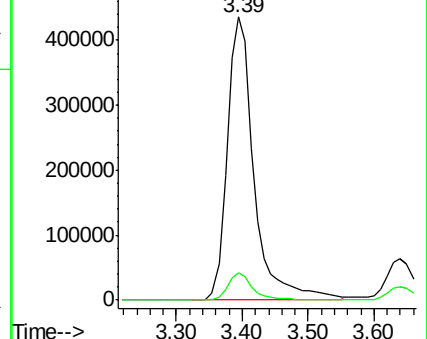
76 100

78 9.7 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: 52.807 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061298.D

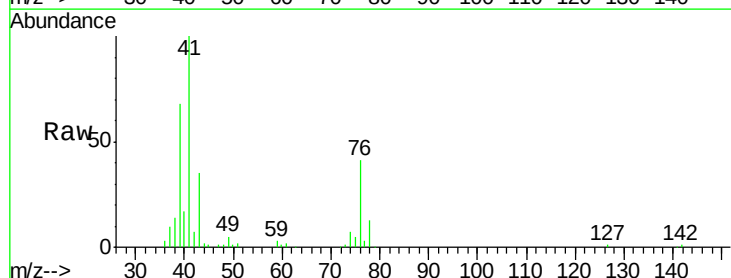
Acq: 25 Mar 2019 12:14

Tgt Ion: 43 Resp: 145354

Ion Ratio Lower Upper

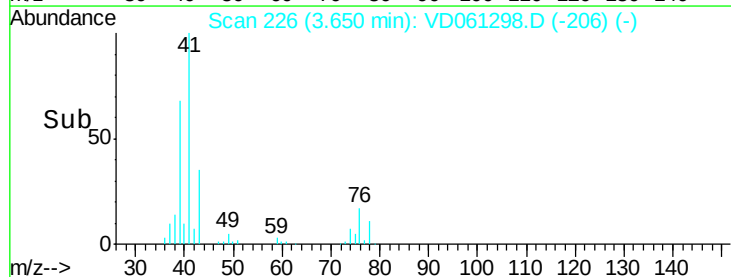
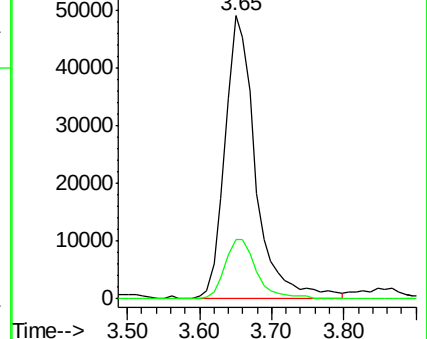
43 100

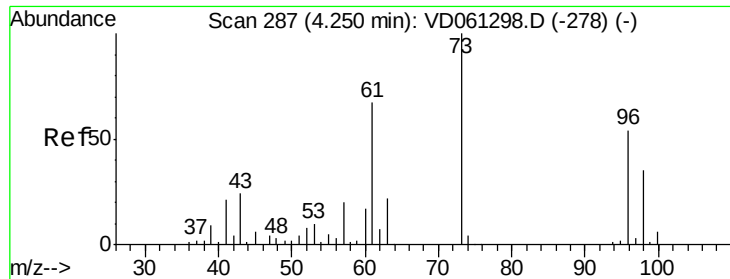
74 20.8 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

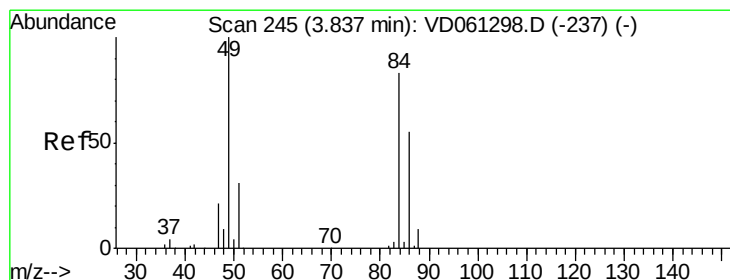
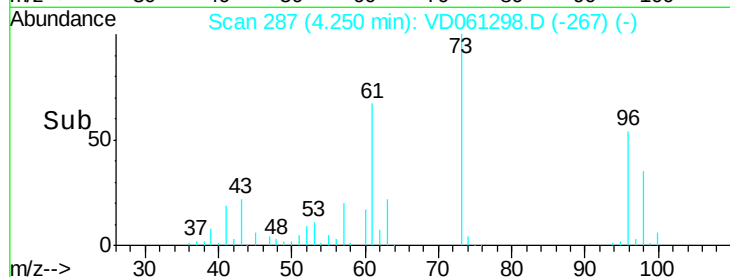
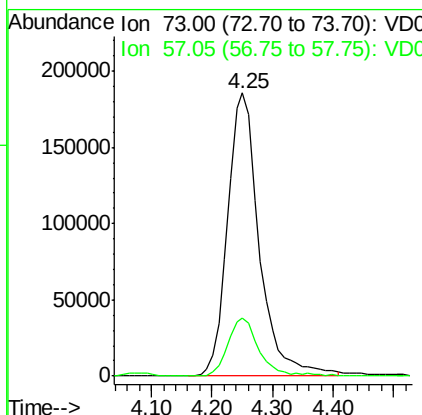
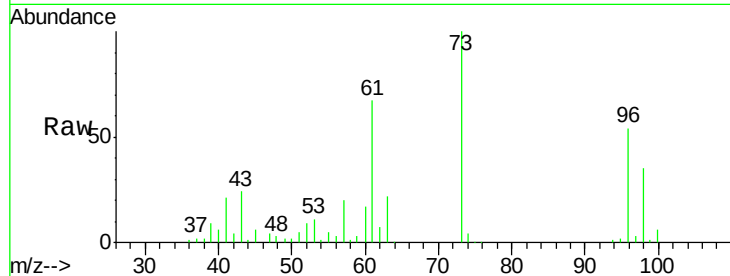




#19
Methyl tert-butyl Ether
Concen: 56.280 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

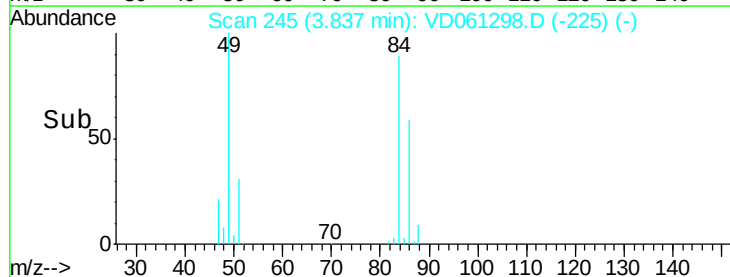
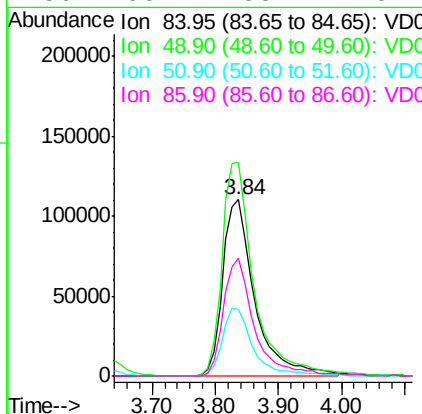
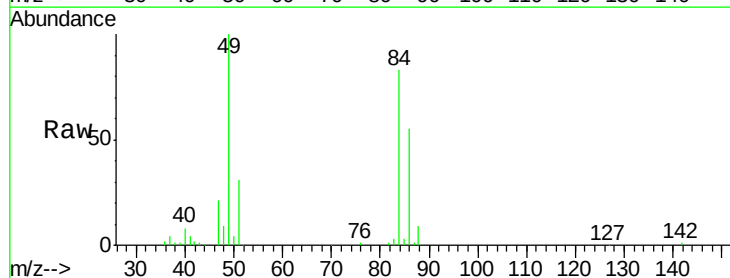
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

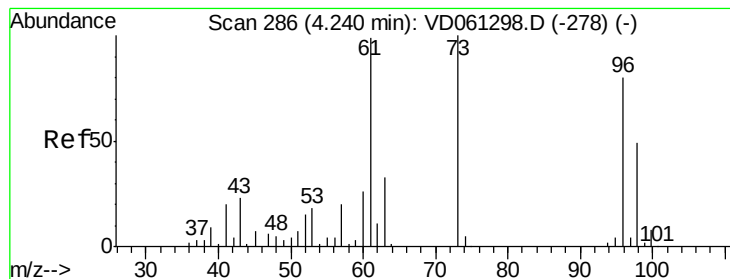
Tgt Ion: 73 Resp: 675768
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5



#20
Methylene Chloride
Concen: 46.992 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 84 Resp: 388398
Ion Ratio Lower Upper
84 100
49 121.0 96.8 145.2
51 37.4 29.9 44.9
86 66.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 56.232 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

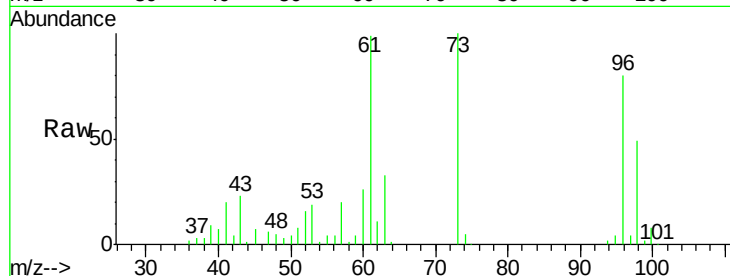
Tgt Ion: 96 Resp: 428876

Ion Ratio Lower Upper

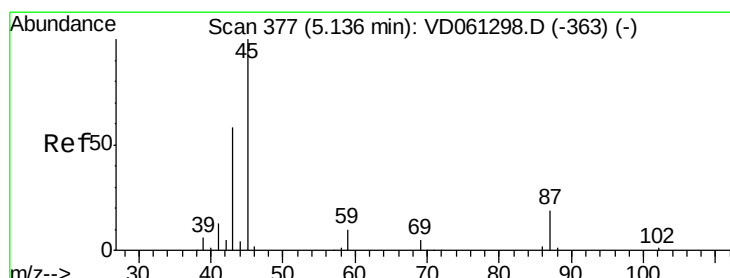
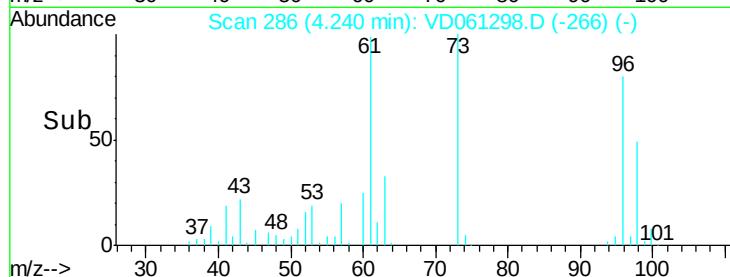
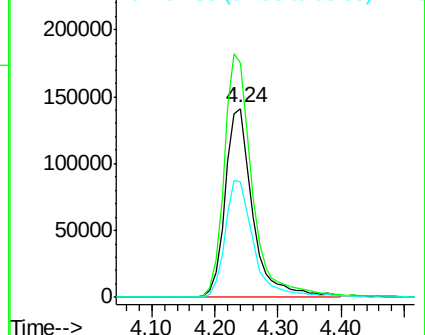
96 100

61 124.0 99.2 148.8

98 61.5 49.2 73.8



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



#22

Diisopropyl ether

Concen: 56.400 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Tgt Ion: 45 Resp: 1146441

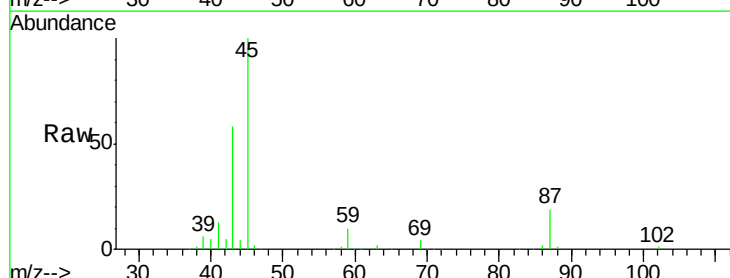
Ion Ratio Lower Upper

45 100

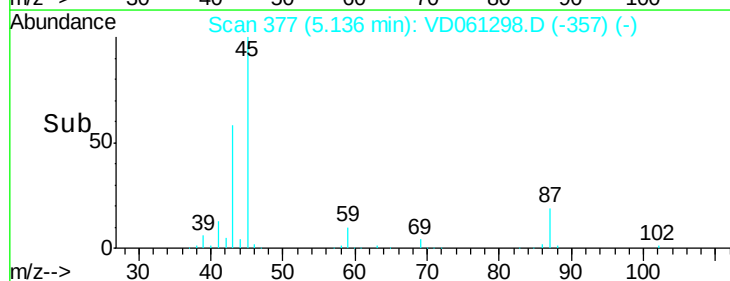
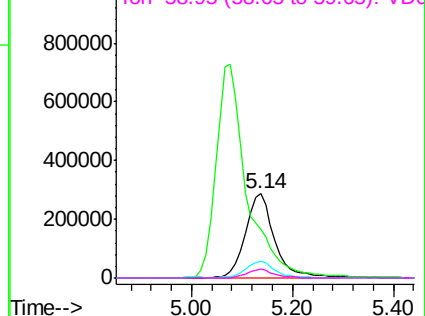
43 58.4 46.7 70.1

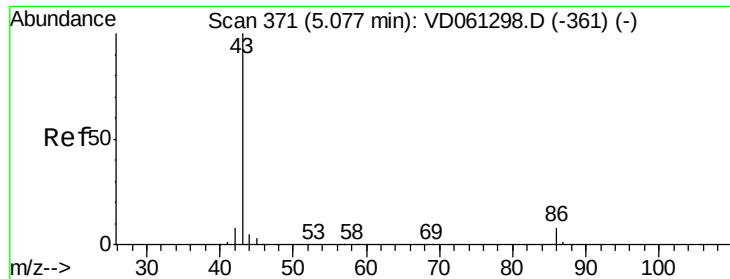
87 19.4 15.5 23.3

59 10.5 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: 283.564 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

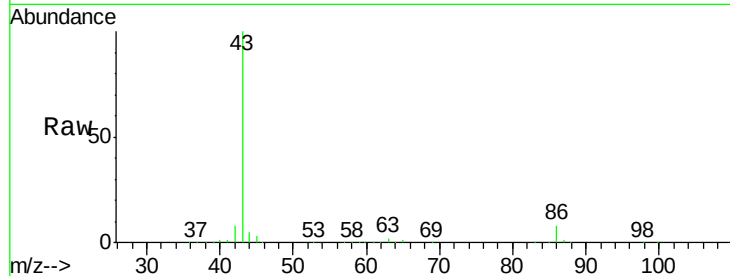
VSTDICCC050

Tgt Ion: 43 Resp: 3077090

Ion Ratio Lower Upper

43 100

86 7.9 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

800000

600000

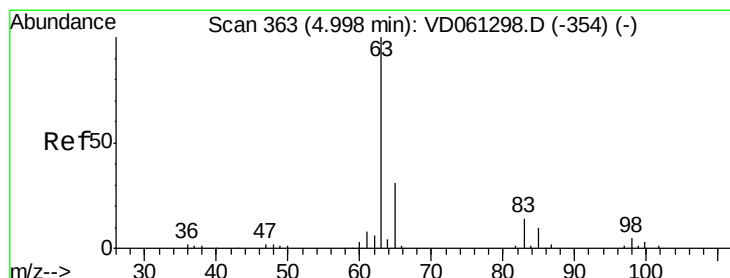
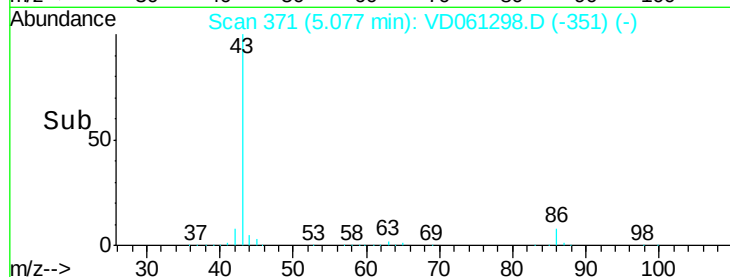
400000

200000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 56.479 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

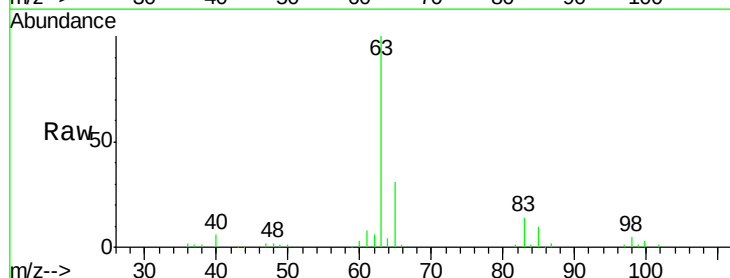
Tgt Ion: 63 Resp: 670004

Ion Ratio Lower Upper

63 100

98 5.5 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

250000

200000

150000

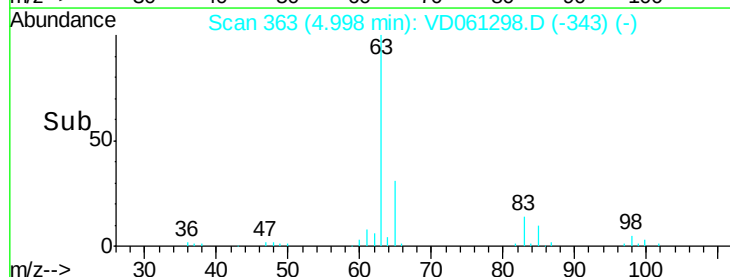
100000

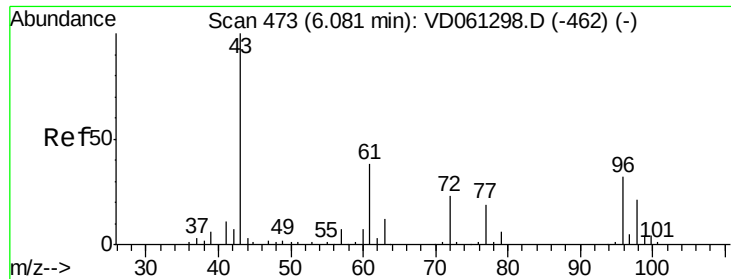
50000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 294.557 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

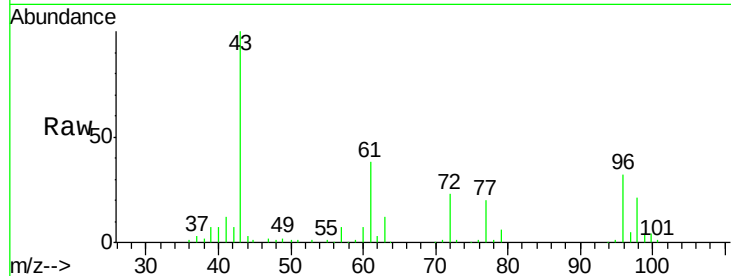
VSTDICCC050

Tgt Ion: 43 Resp: 496106

Ion Ratio Lower Upper

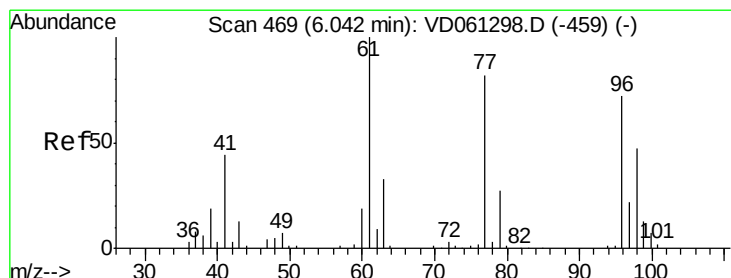
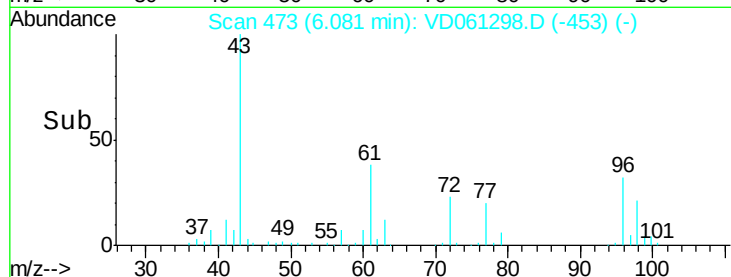
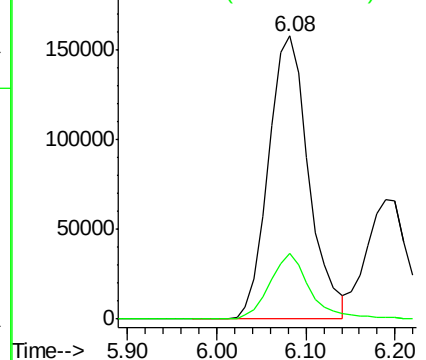
43 100

72 23.1 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: 54.665 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061298.D

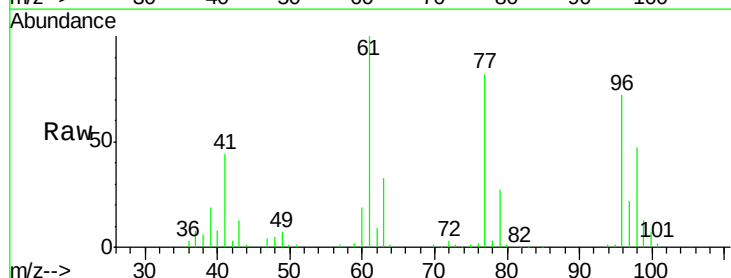
Acq: 25 Mar 2019 12:14

Tgt Ion: 77 Resp: 550000

Ion Ratio Lower Upper

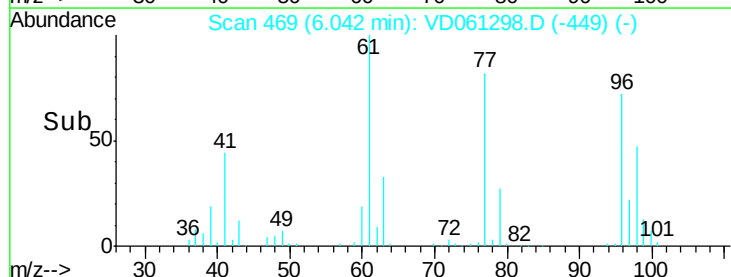
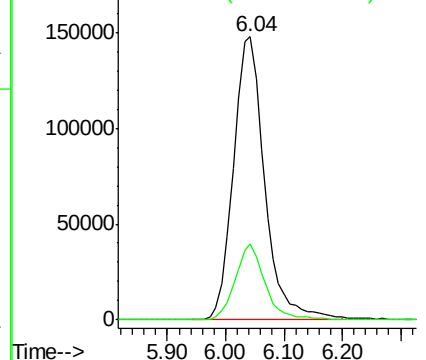
77 100

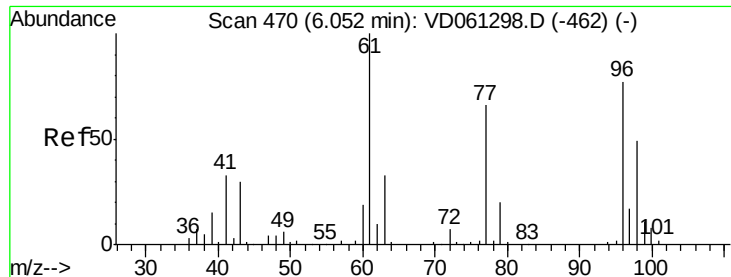
97 27.0 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



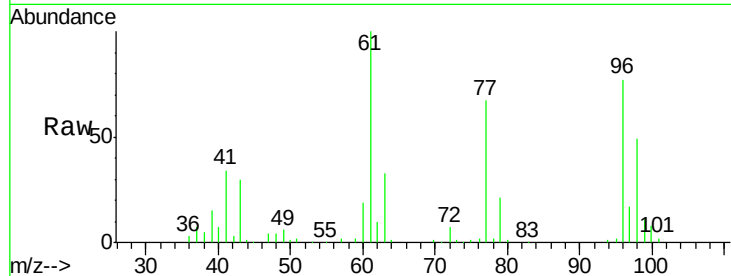


#27

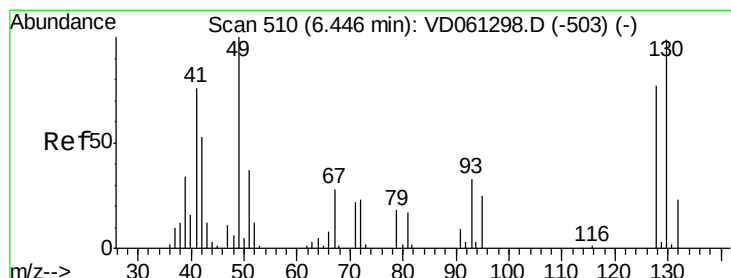
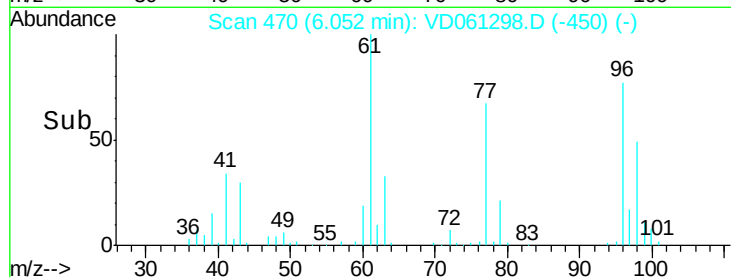
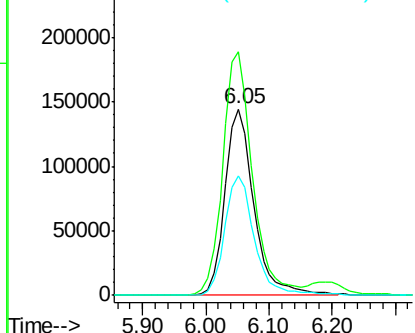
cis-1,2-Dichloroethene
Concen: 56.153 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 460534
Ion Ratio Lower Upper
96 100
61 130.5 0.0 261.0
98 63.8 0.0 127.6



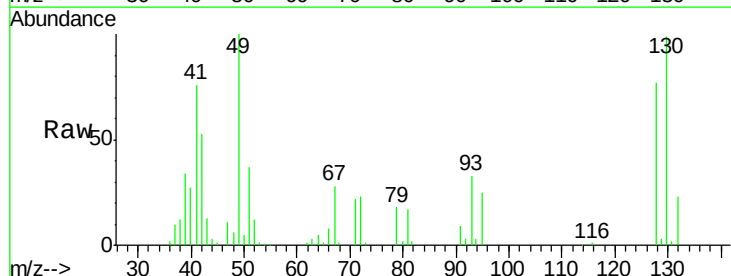
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



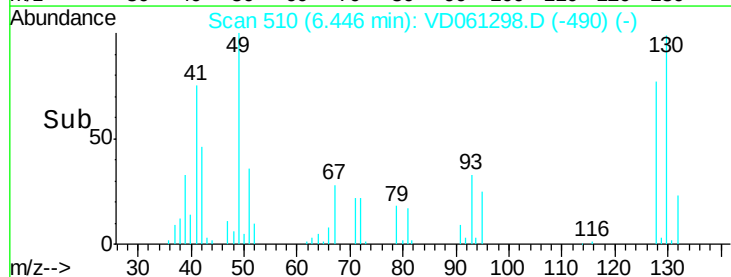
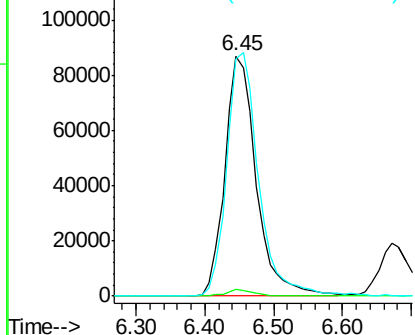
#28

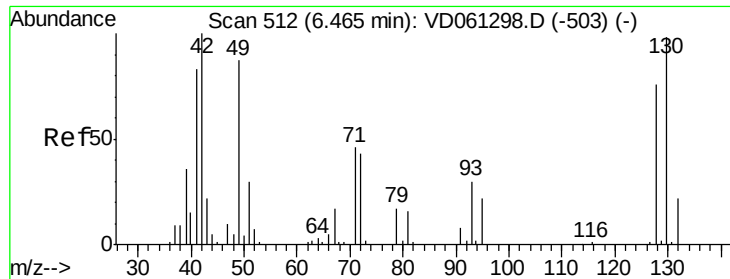
Bromochloromethane
Concen: 55.312 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 49 Resp: 274674
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.2
130 98.8 79.0 118.6



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

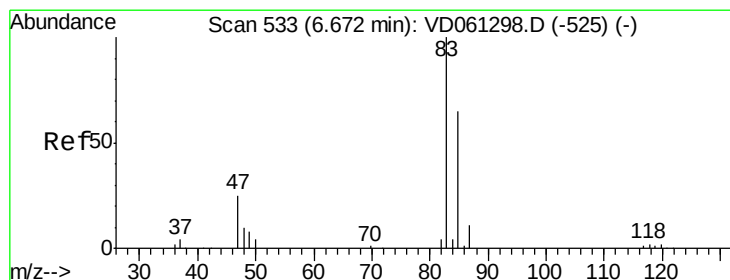
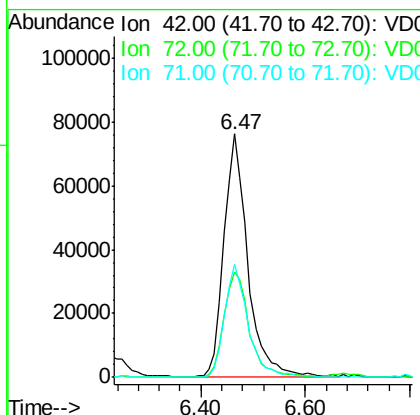
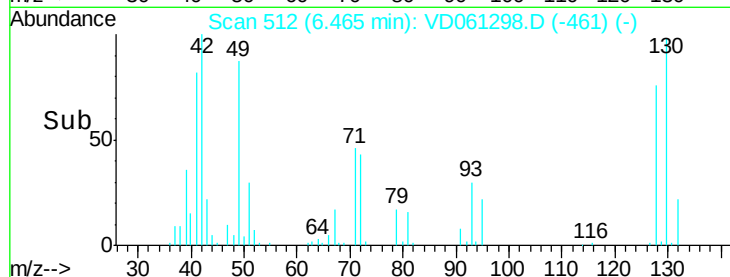
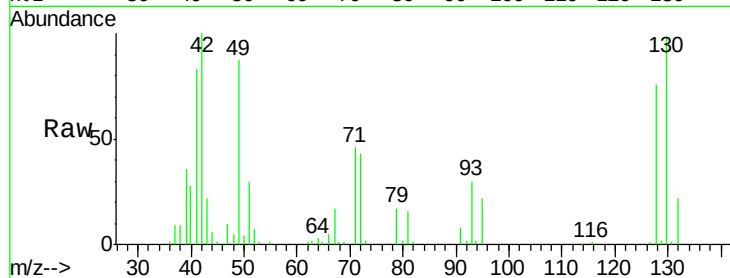




#29
Tetrahydrofuran
Concen: 288.273 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

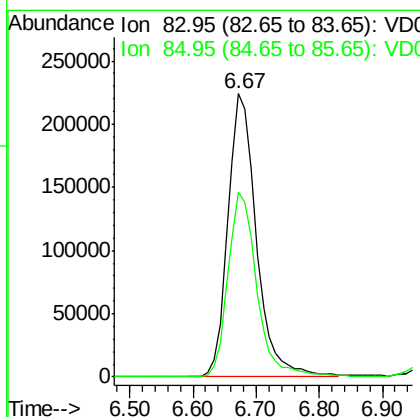
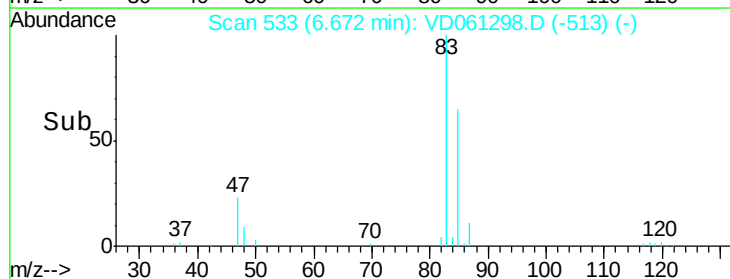
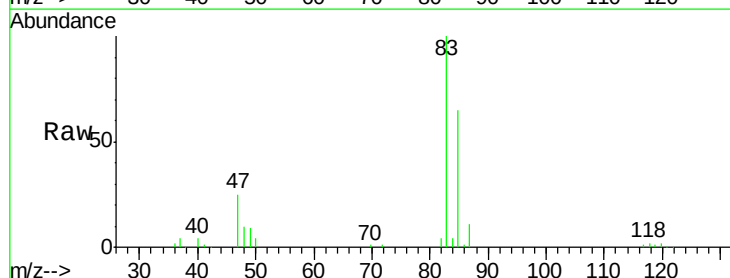
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

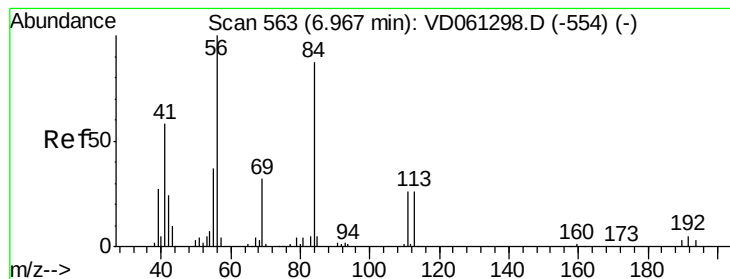
Tgt Ion: 42 Resp: 241669
Ion Ratio Lower Upper
42 100
72 45.7 36.6 54.8
71 45.4 36.3 54.5



#30
Chloroform
Concen: 55.321 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 83 Resp: 699723
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2





#31

Cyclohexane

Concen: 57.386 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

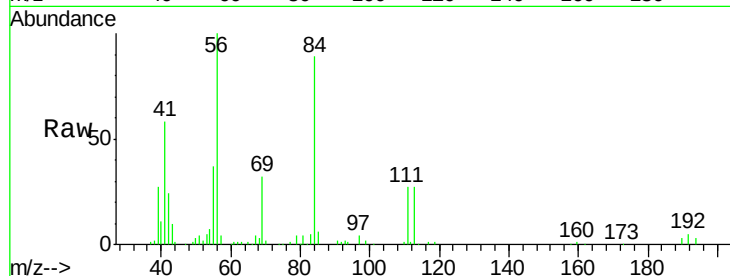
Tgt Ion: 56 Resp: 552562

Ion Ratio Lower Upper

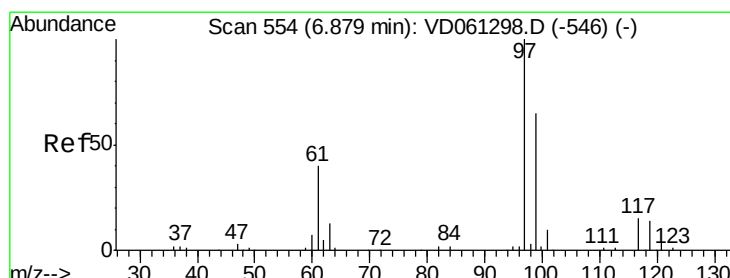
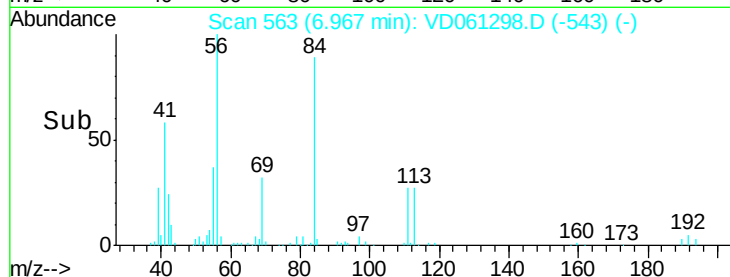
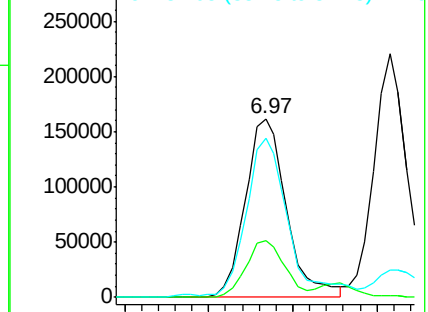
56 100

69 31.9 25.5 38.3

84 89.3 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: 58.289 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

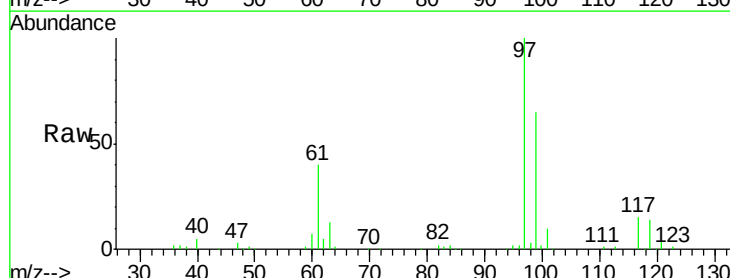
Tgt Ion: 97 Resp: 652828

Ion Ratio Lower Upper

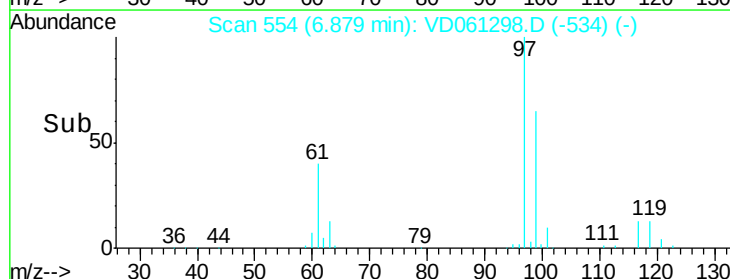
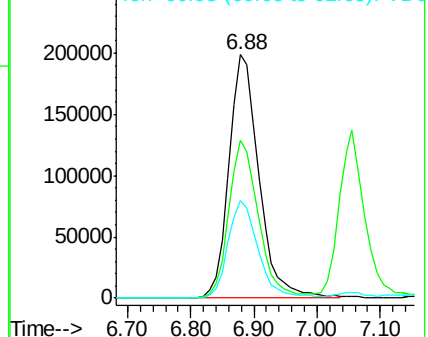
97 100

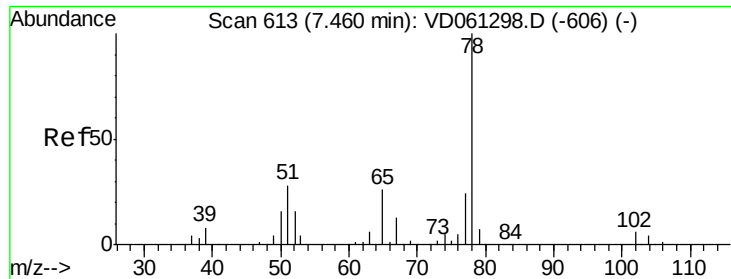
99 64.7 51.8 77.6

61 39.9 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

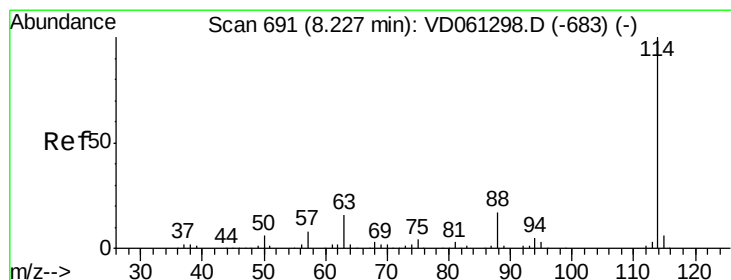
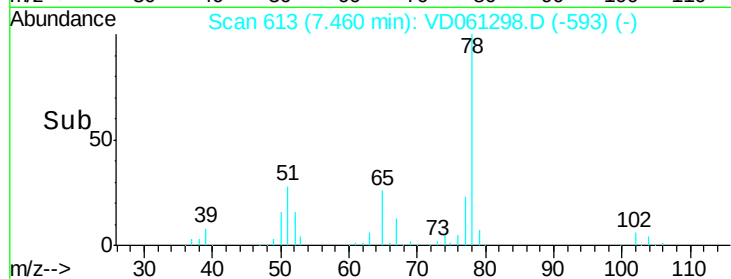
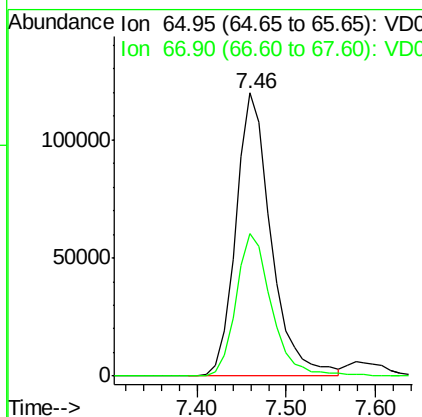
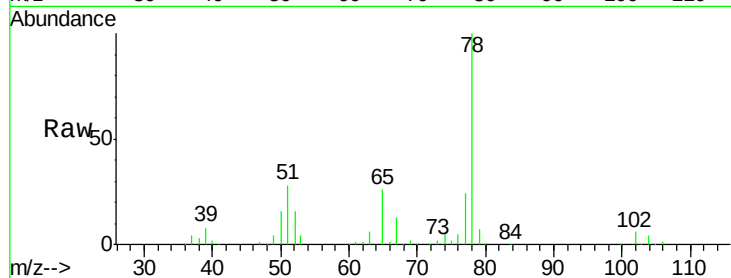




#33
 1,2-Dichloroethane-d4
 Concen: 58.289 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

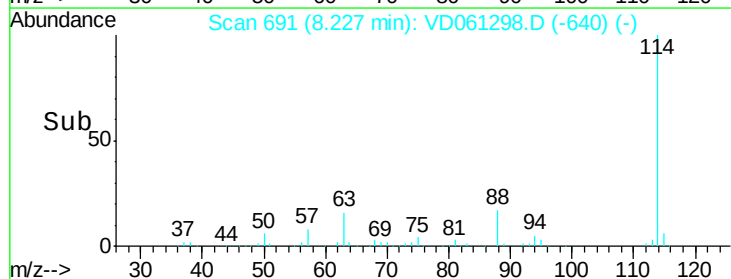
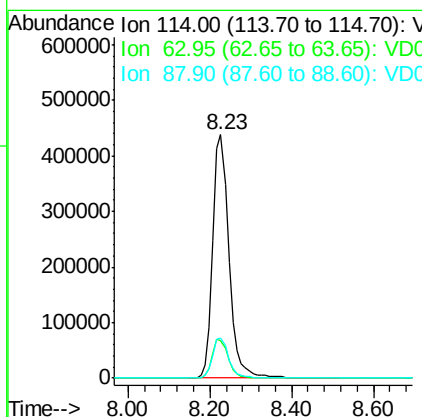
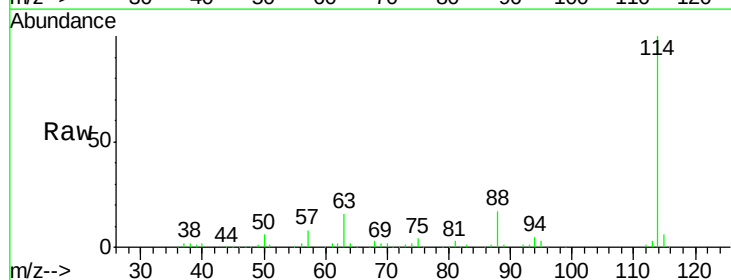
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

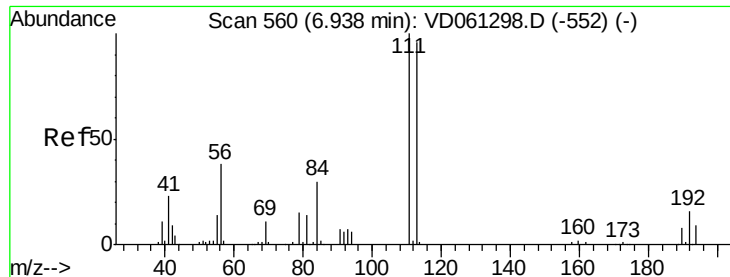
Tgt Ion: 65 Resp: 328106
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 114 Resp: 1197362
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.6 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: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

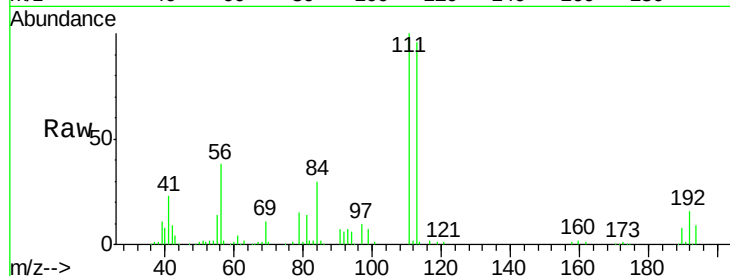
Tgt Ion:113 Resp: 494333

Ion Ratio Lower Upper

113 100

111 104.6 83.7 125.5

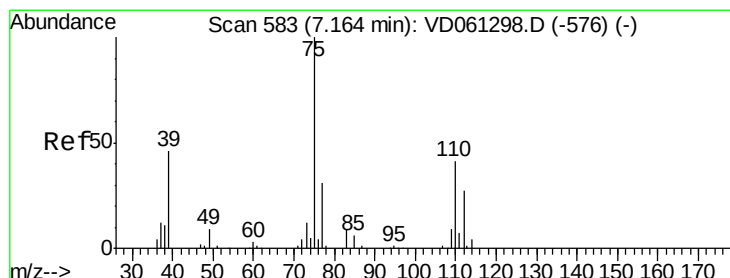
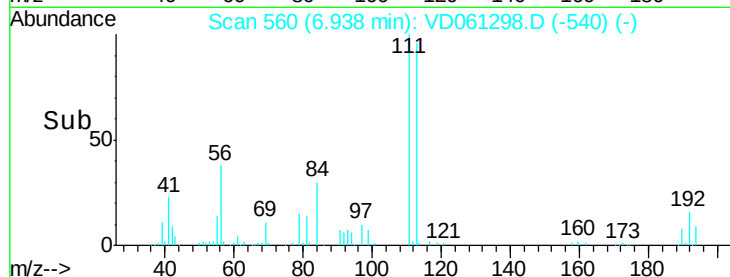
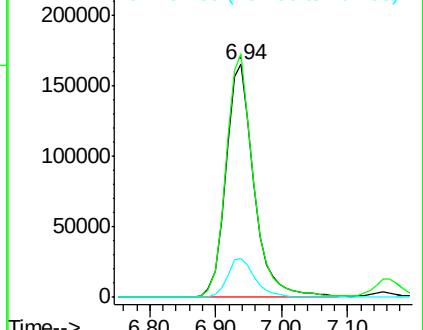
192 16.7 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.319 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

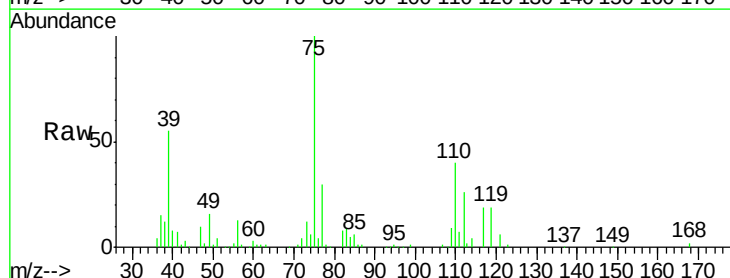
Tgt Ion: 75 Resp: 512356

Ion Ratio Lower Upper

75 100

110 40.1 20.1 60.2

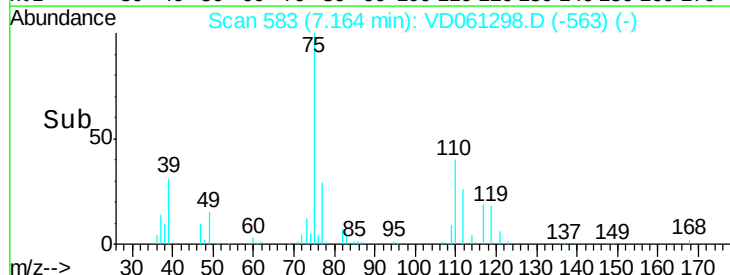
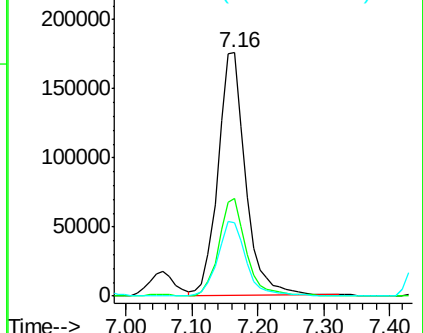
77 30.4 24.3 36.5

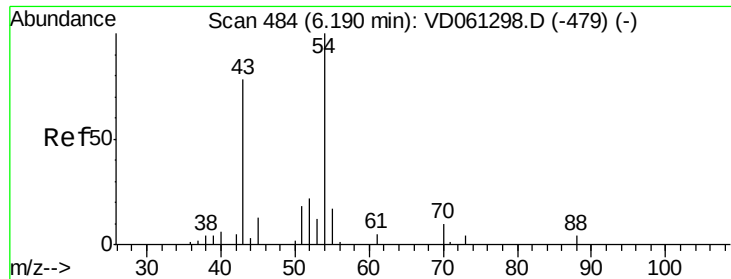


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

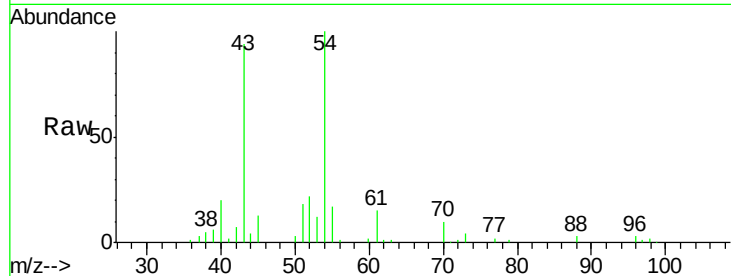




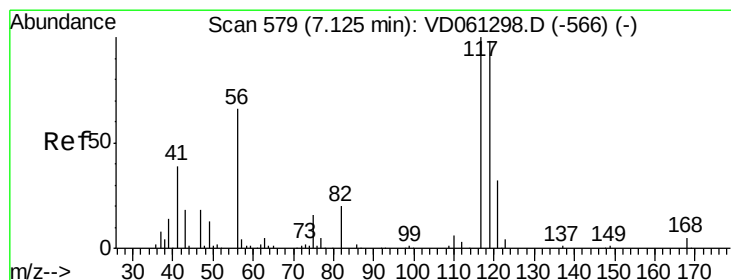
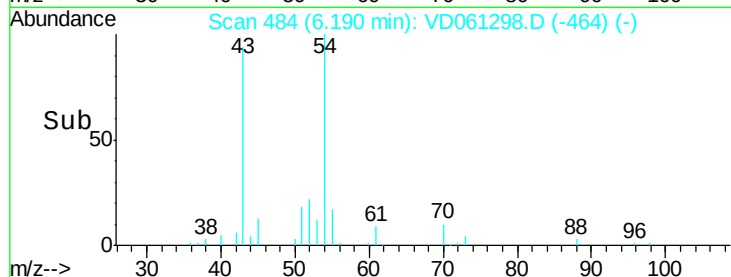
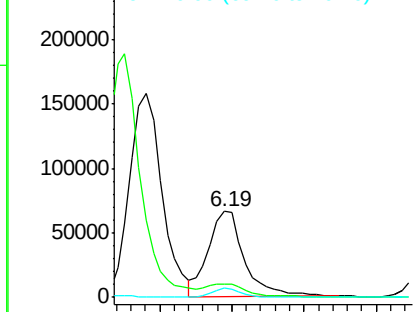
#37
Ethyl Acetate
Concen: 55.058 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 224551
Ion Ratio Lower Upper
43 100
61 15.8 12.6 19.0
70 10.3 8.2 12.4

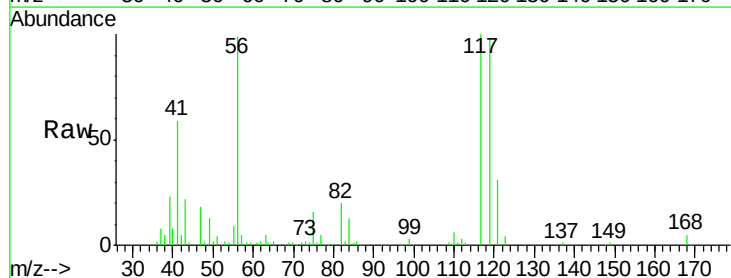


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

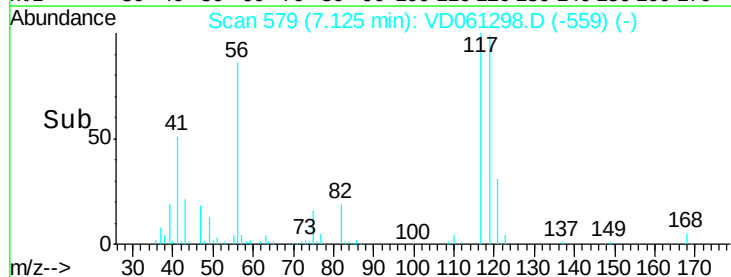
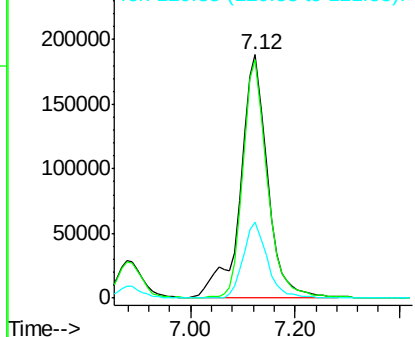


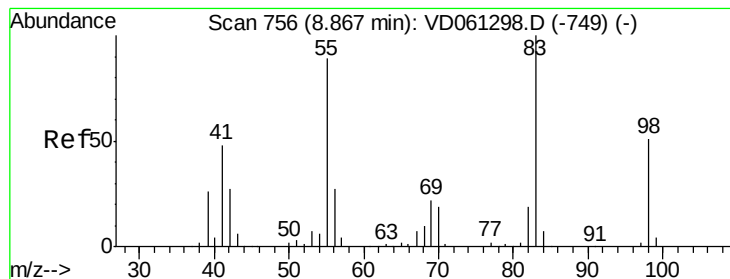
#38
Carbon Tetrachloride
Concen: 56.543 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 117 Resp: 654461
Ion Ratio Lower Upper
117 100
119 98.0 78.4 117.6
121 31.4 25.1 37.7



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





#39

Methylcyclohexane

Concen: 56.506 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

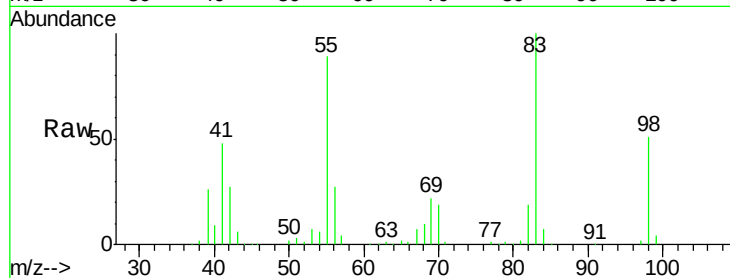
Tgt Ion: 83 Resp: 573579

Ion Ratio Lower Upper

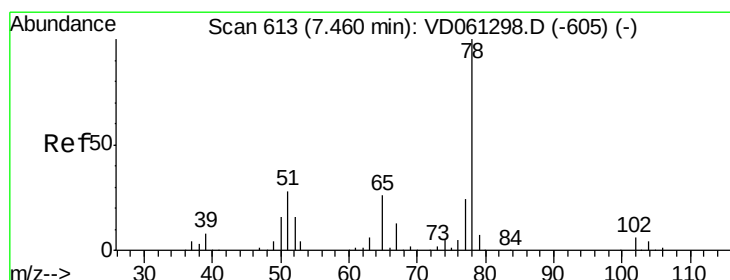
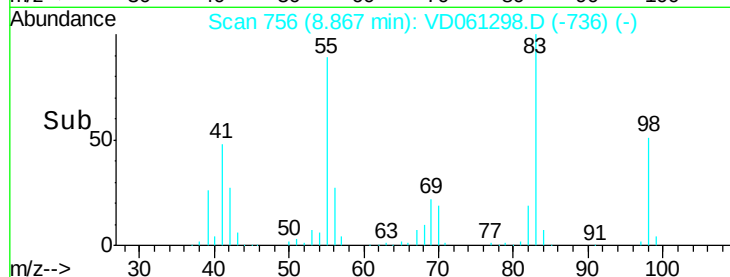
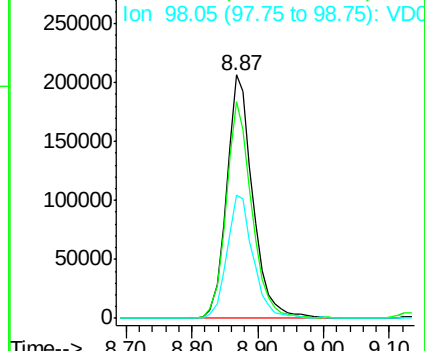
83 100

55 89.1 71.3 106.9

98 50.5 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: 56.407 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061298.D

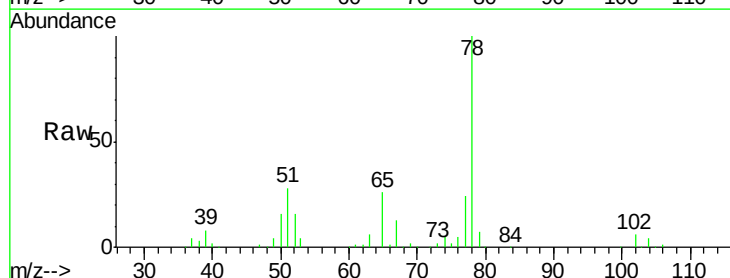
Acq: 25 Mar 2019 12:14

Tgt Ion: 78 Resp: 1373247

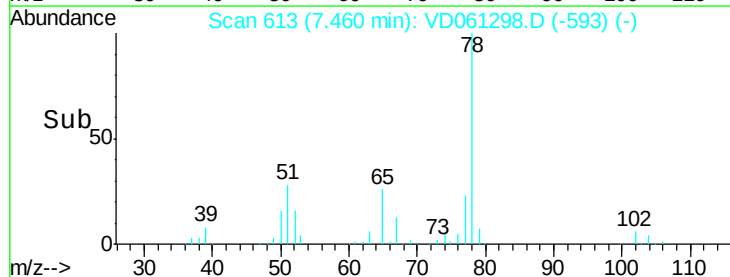
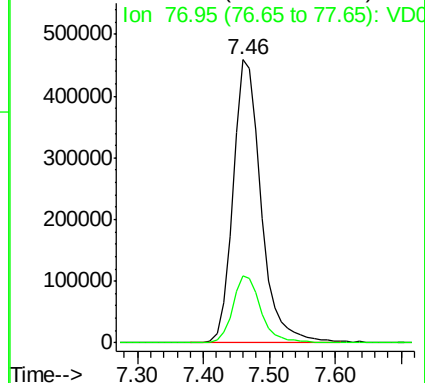
Ion Ratio Lower Upper

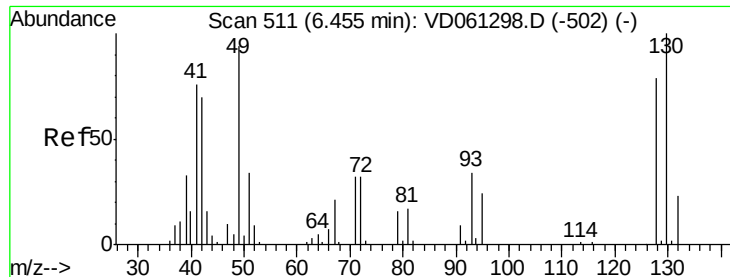
78 100

77 23.5 18.8 28.2



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

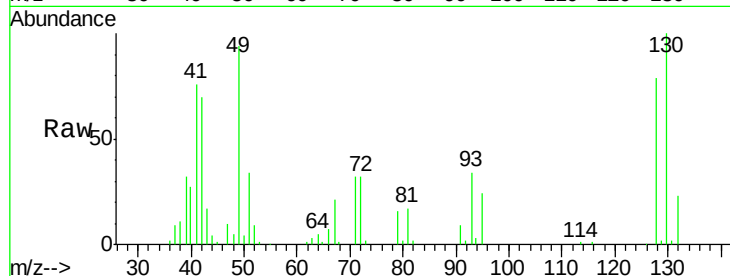




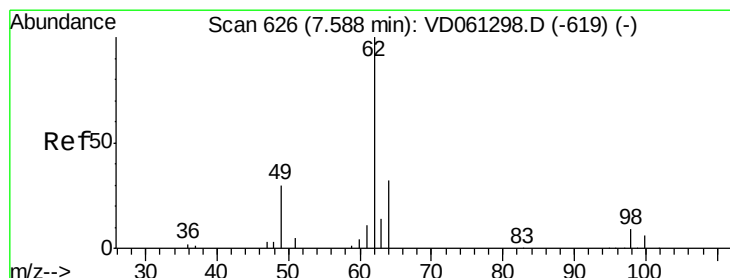
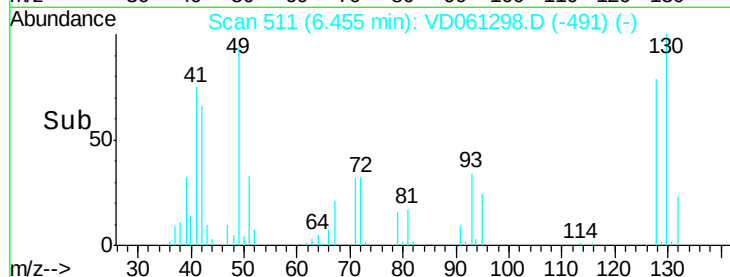
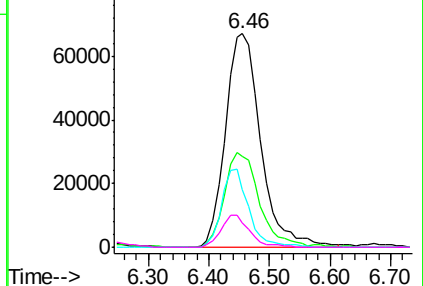
#41
Methacrylonitrile
Concen: 56.903 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	270626
Ion	Ratio	Lower	Upper
41	100		
39	42.7	34.2	51.2
67	27.2	21.8	32.6
52	11.2	9.0	13.4

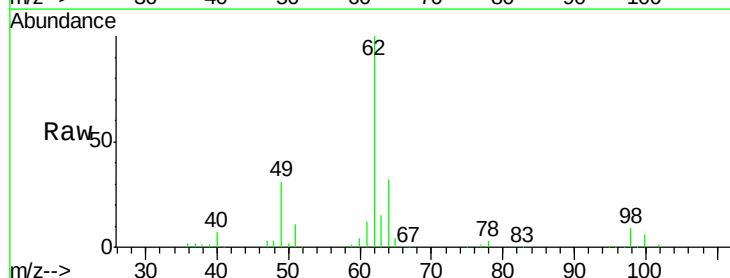


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

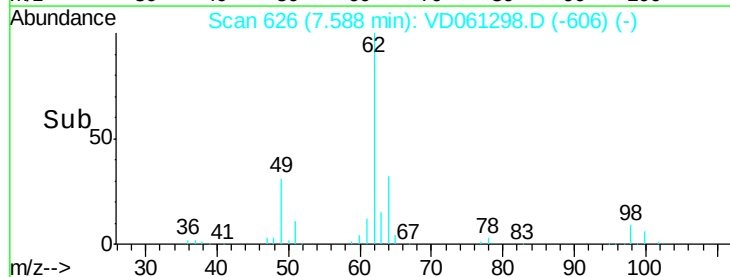
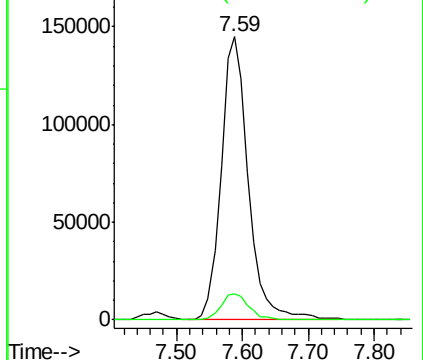


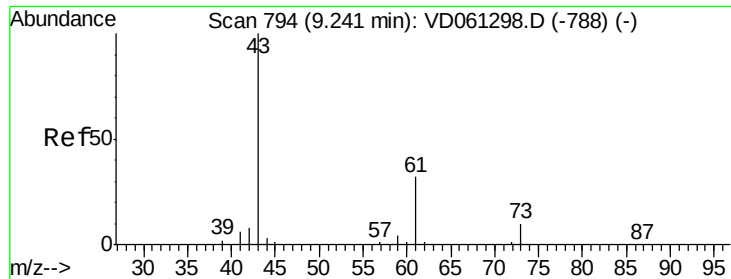
#42
1,2-Dichloroethane
Concen: 54.331 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:	62	Resp:	412169
Ion	Ratio	Lower	Upper
62	100		
98	9.3	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: 55.902 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

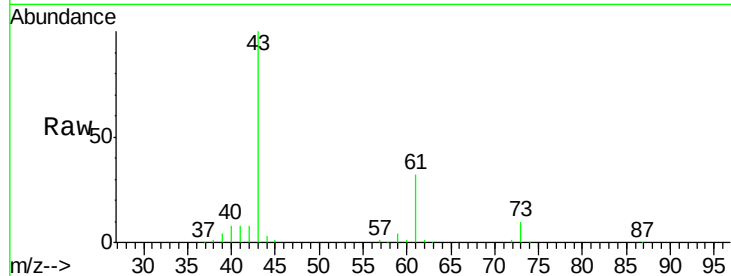
Tgt Ion: 43 Resp: 329812

Ion Ratio Lower Upper

43 100

61 32.3 25.8 38.8

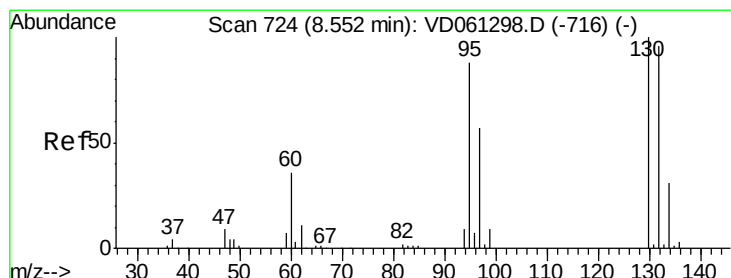
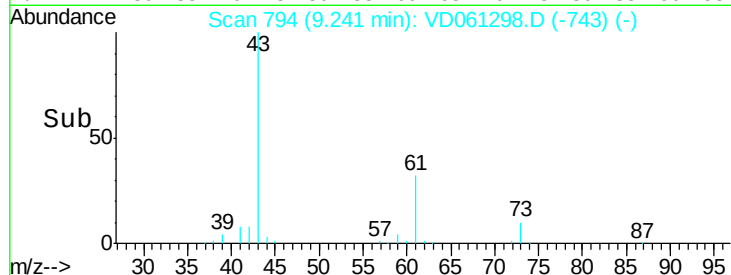
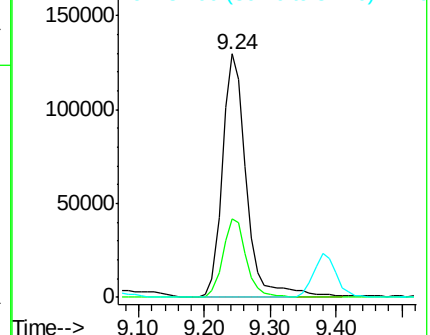
87 0.4 0.3 0.5



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: 55.103 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD061298.D

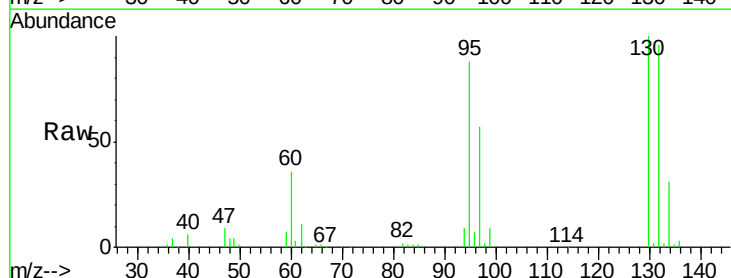
Acq: 25 Mar 2019 12:14

Tgt Ion: 130 Resp: 484846

Ion Ratio Lower Upper

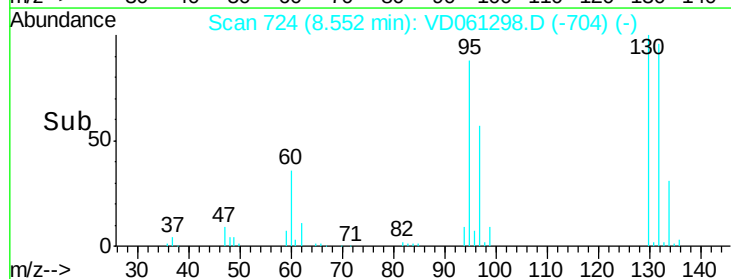
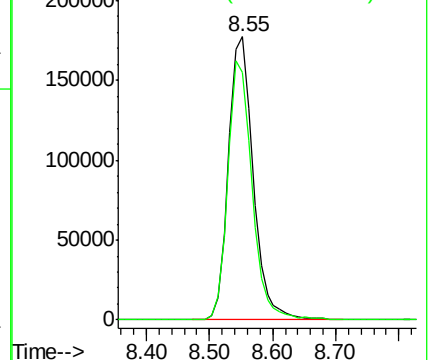
130 100

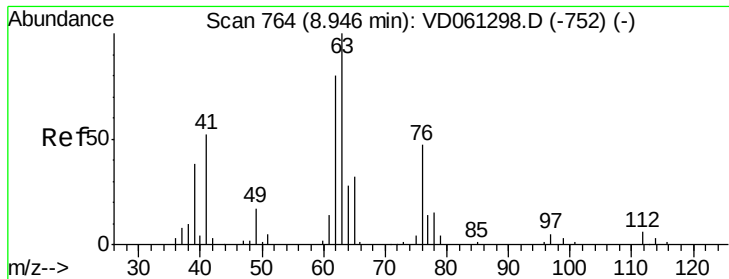
95 87.5 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

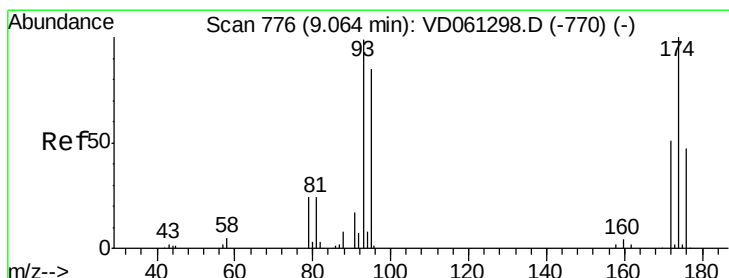
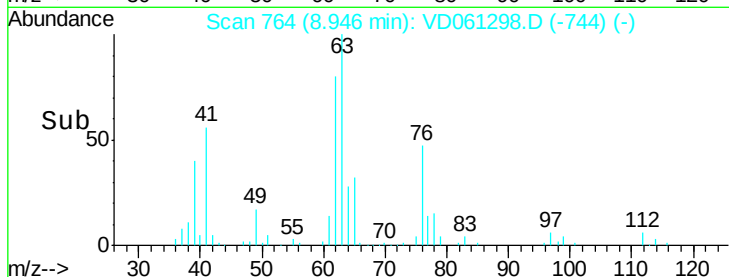
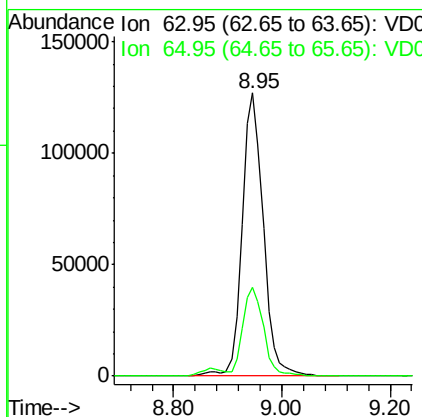
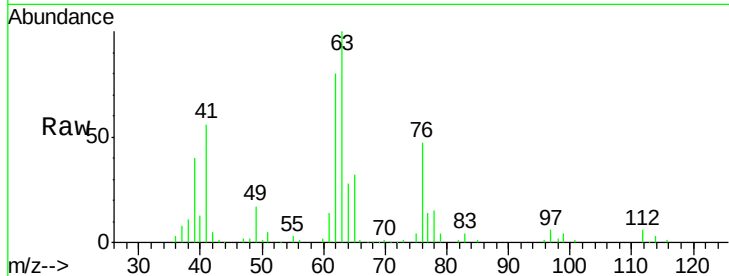




#45
 1,2-Dichloropropane
 Concen: 57.387 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

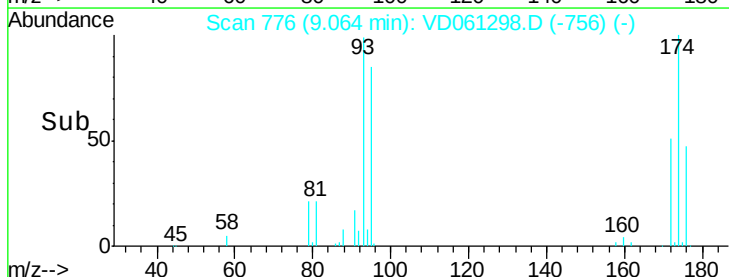
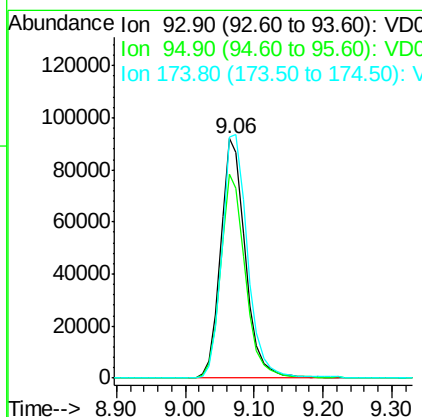
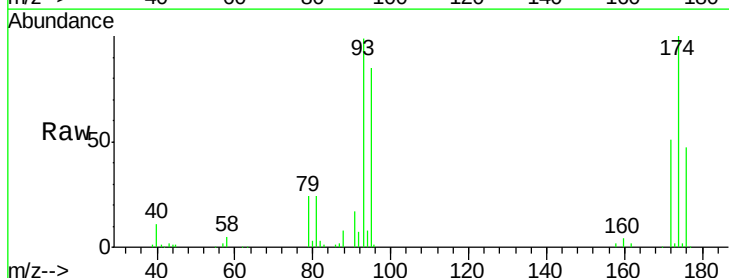
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

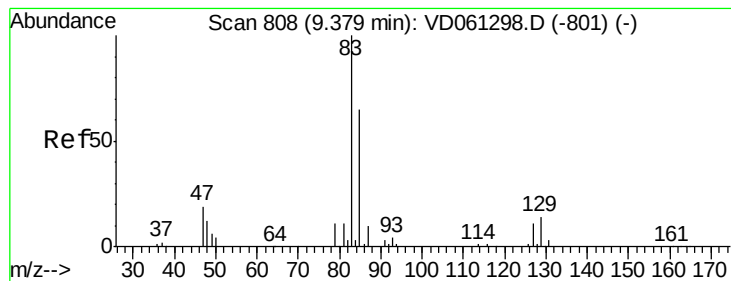
Tgt Ion: 63 Resp: 344598
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 55.166 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 93 Resp: 227127
 Ion Ratio Lower Upper
 93 100
 95 85.1 68.1 102.1
 174 100.5 80.4 120.6





#47

Bromodichloromethane

Concen: 56.578 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

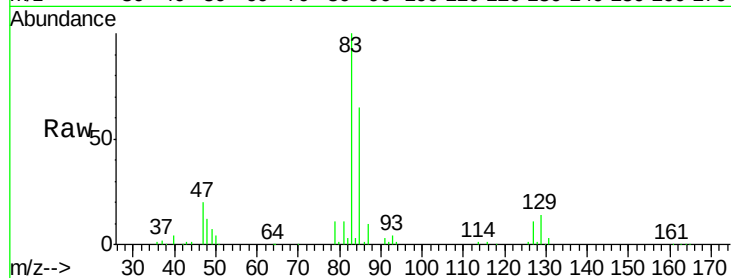
Tgt Ion: 83 Resp: 545878

Ion Ratio Lower Upper

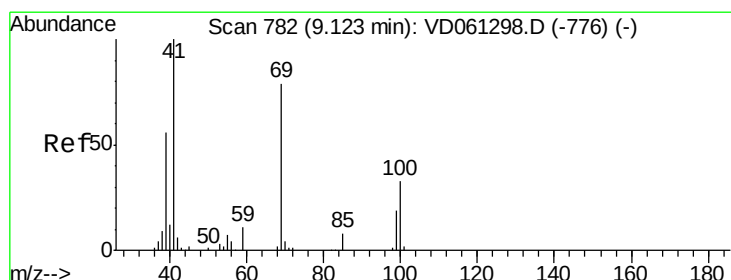
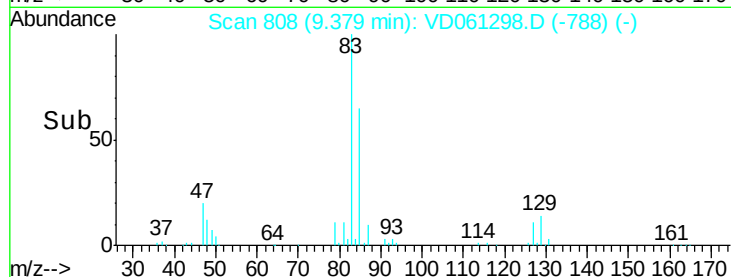
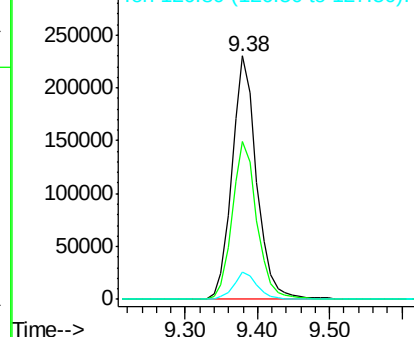
83 100

85 64.6 51.7 77.5

127 11.0 8.8 13.2



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



#48

Methyl methacrylate

Concen: 49.911 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

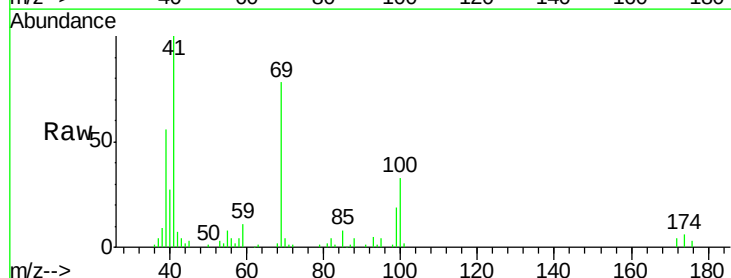
Tgt Ion: 41 Resp: 157169

Ion Ratio Lower Upper

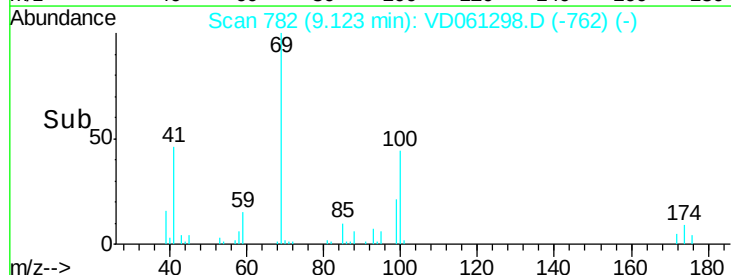
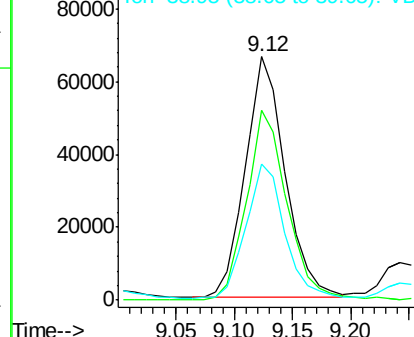
41 100

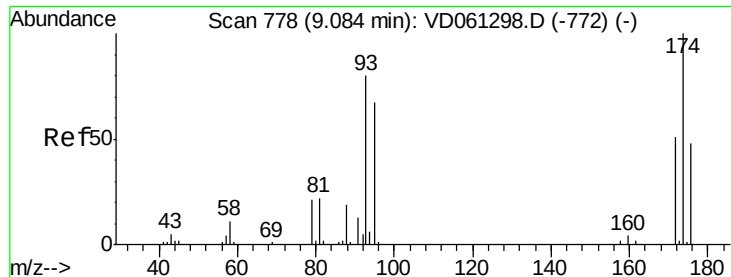
69 78.0 62.4 93.6

39 56.1 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

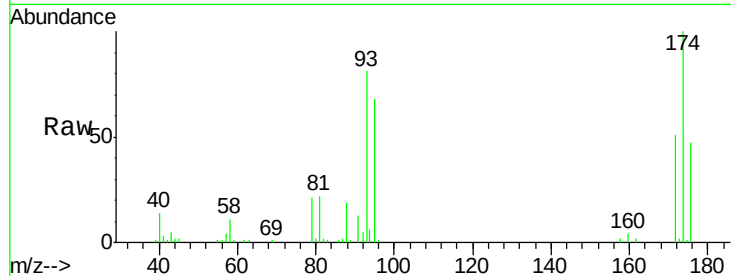




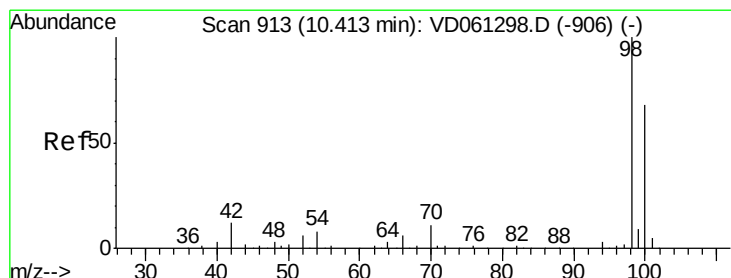
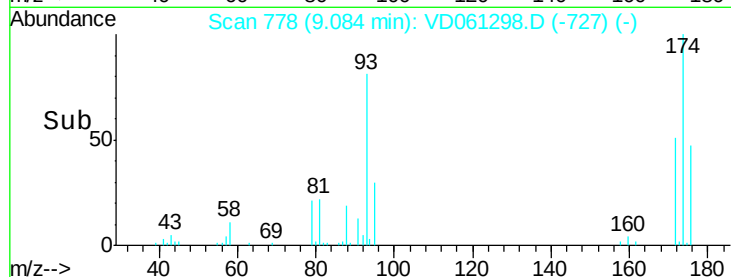
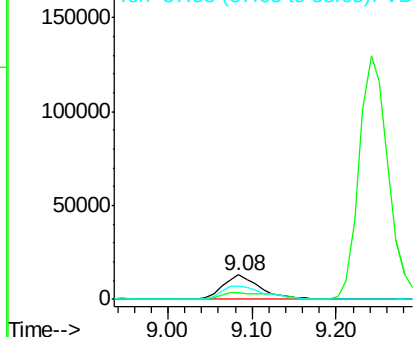
#49
1,4-Dioxane
Concen: 1140.194 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 39394
Ion Ratio Lower Upper
88 100
43 25.9 20.7 31.1
58 56.1 44.9 67.3

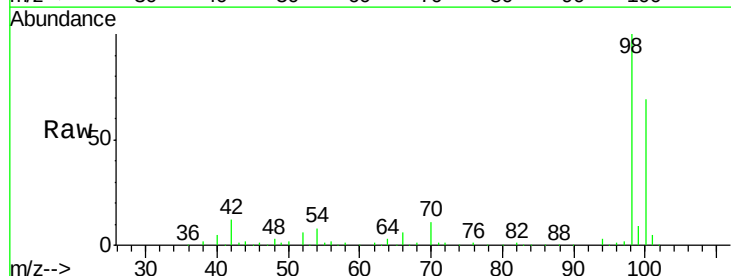


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

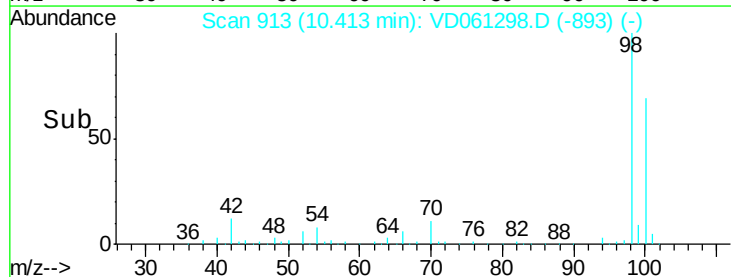
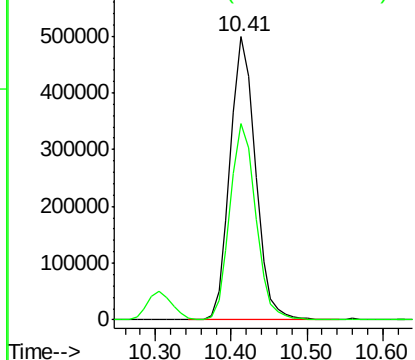


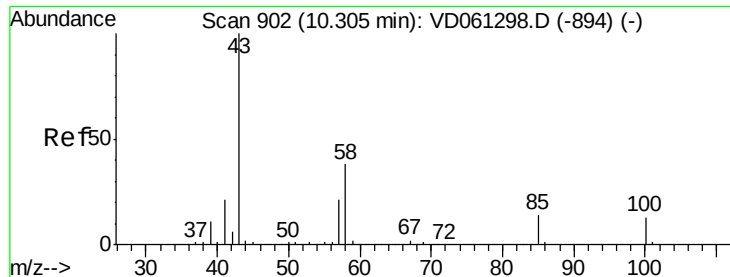
#50
Toluene-d8
Concen: 1140.194 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 98 Resp: 1161770
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

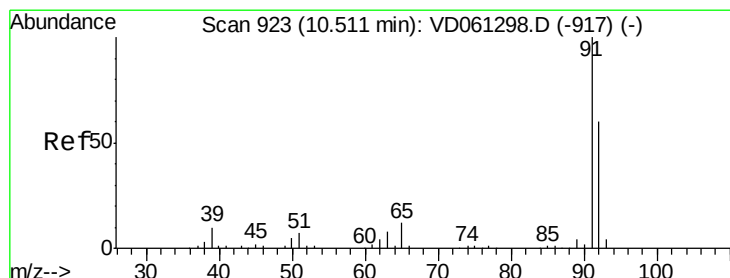
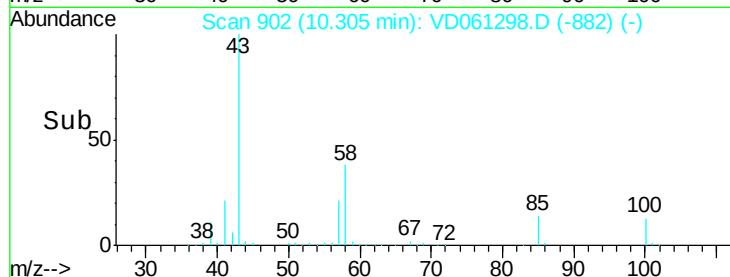
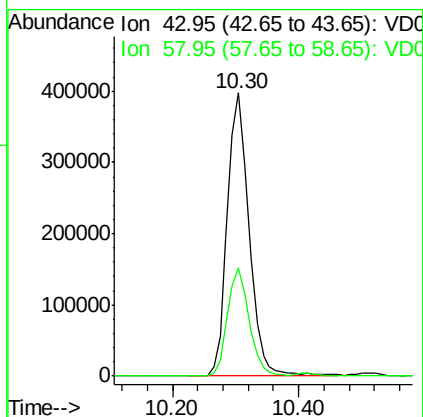
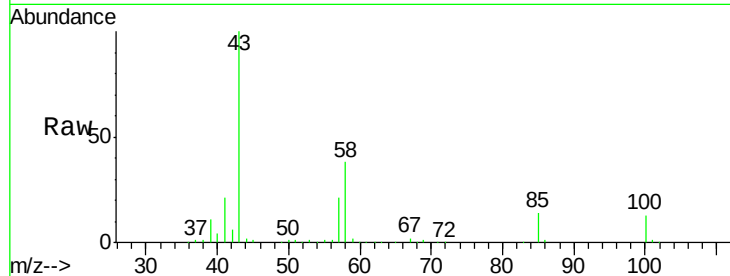




#51
4-Methyl-2-Pentanone
Concen: 270.755 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

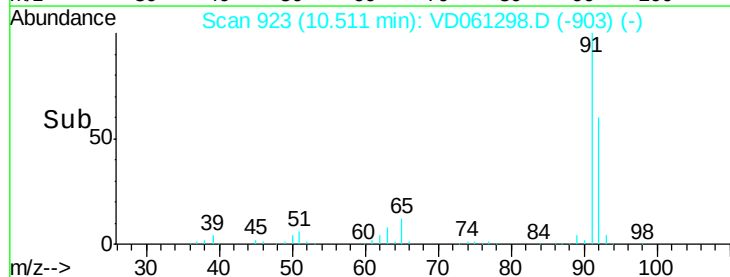
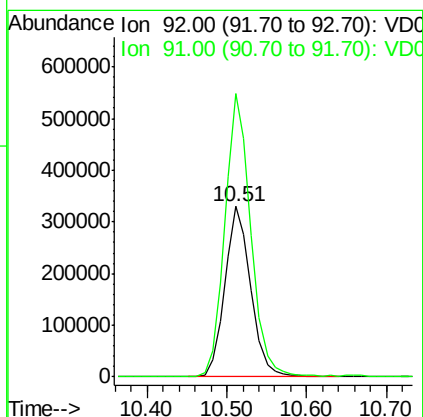
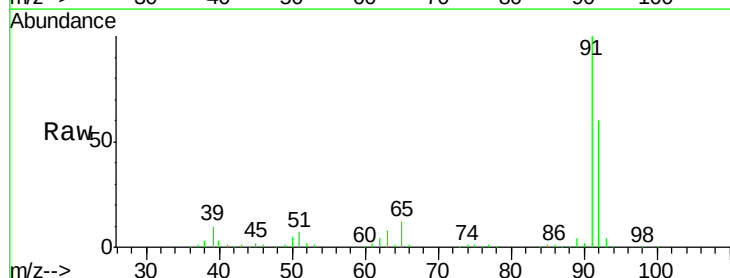
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

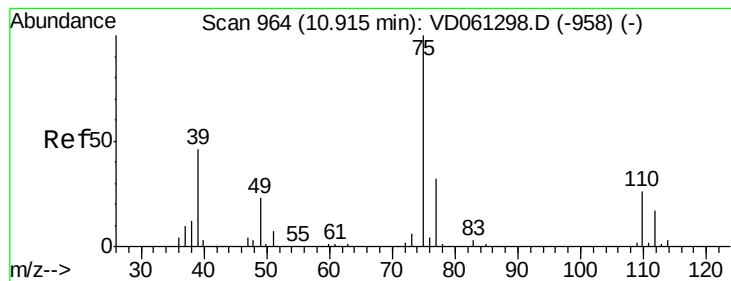
Tgt Ion: 43 Resp: 950928
Ion Ratio Lower Upper
43 100
58 38.2 30.6 45.8



#52
Toluene
Concen: 50.621 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 92 Resp: 753579
Ion Ratio Lower Upper
92 100
91 166.4 133.1 199.7





#53

t-1,3-Dichloropropene

Concen: 54.510 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

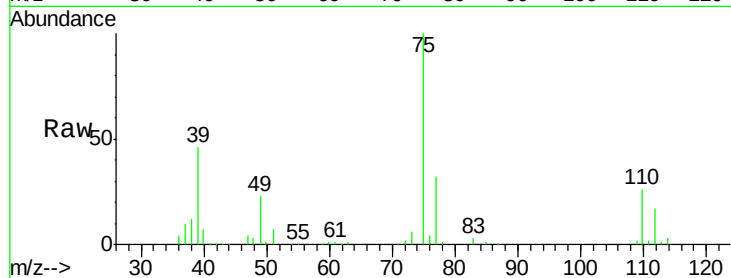
VSTDICCC050

Tgt Ion: 75 Resp: 457023

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

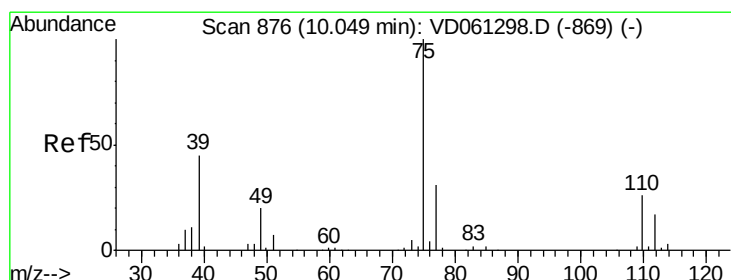
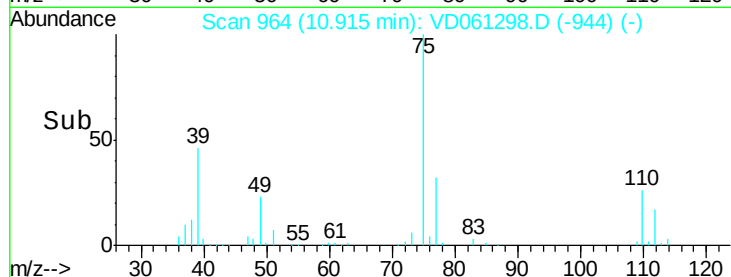
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 55.656 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

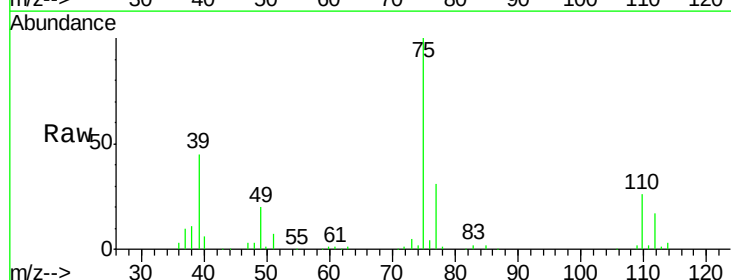
Tgt Ion: 75 Resp: 569807

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3

39 45.0 36.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

300000

250000

200000

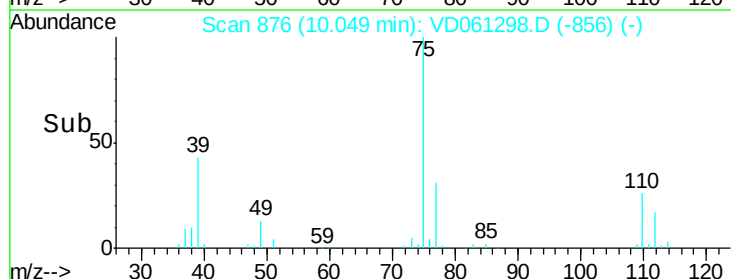
150000

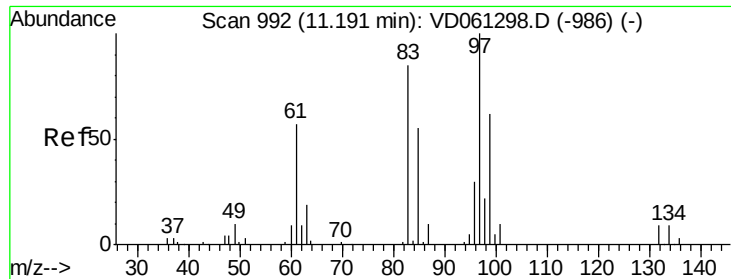
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

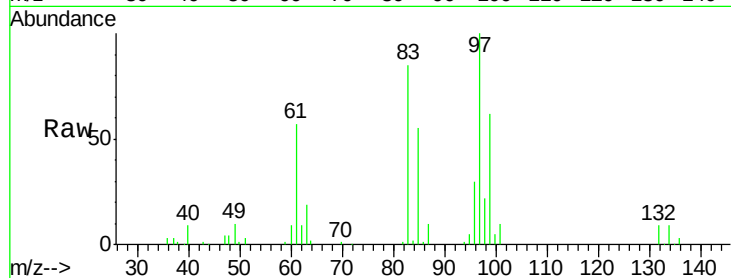




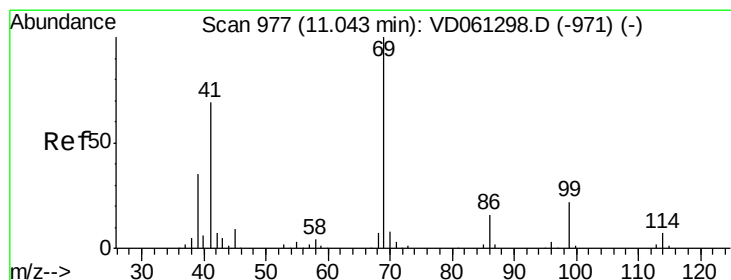
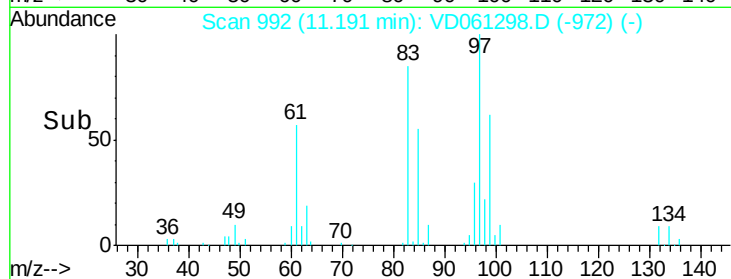
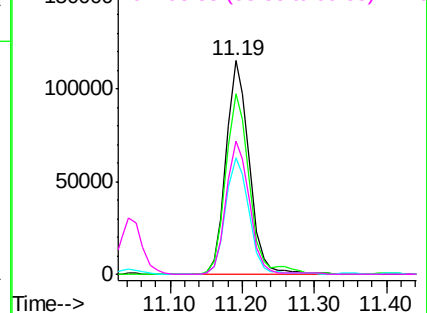
#55
 1,1,2-Trichloroethane
 Concen: 51.517 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 254616
 Ion Ratio Lower Upper
 97 100
 83 84.6 67.7 101.5
 85 54.8 43.8 65.8
 99 62.2 49.8 74.6

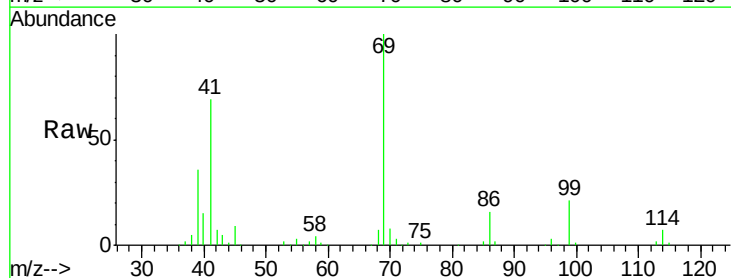


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

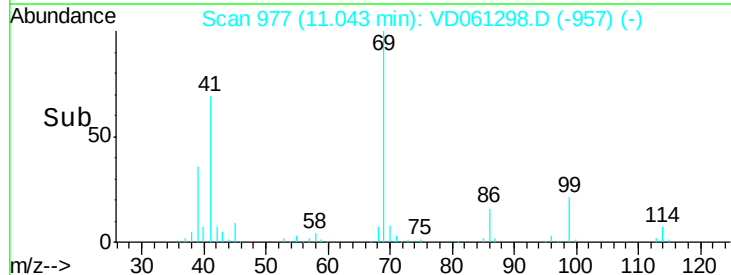
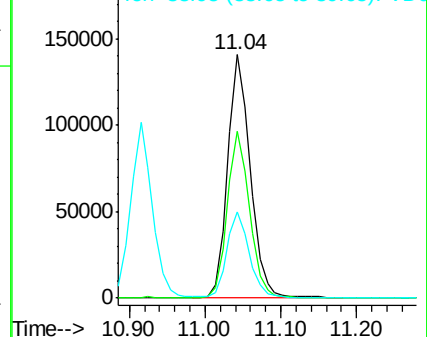


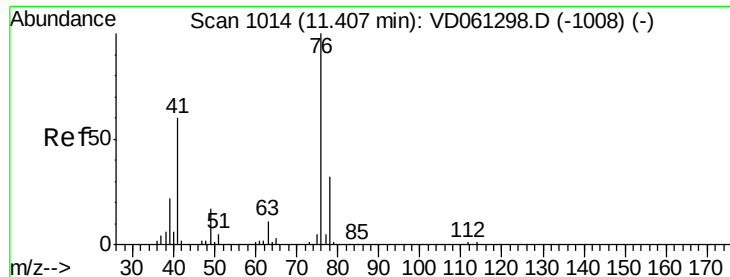
#56
 Ethyl methacrylate
 Concen: 55.477 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 69 Resp: 292583
 Ion Ratio Lower Upper
 69 100
 41 68.6 54.9 82.3
 39 35.6 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

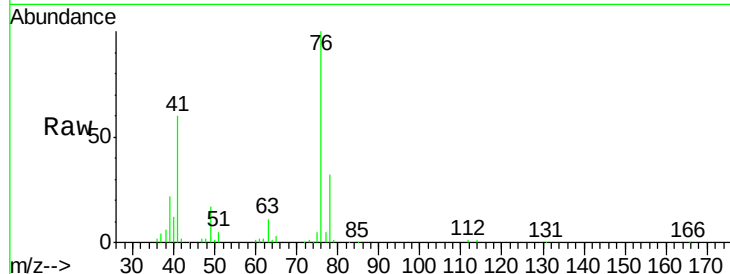




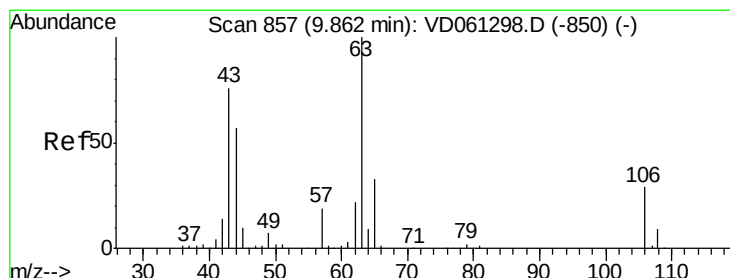
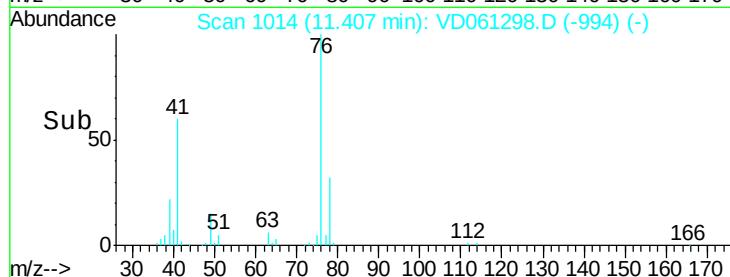
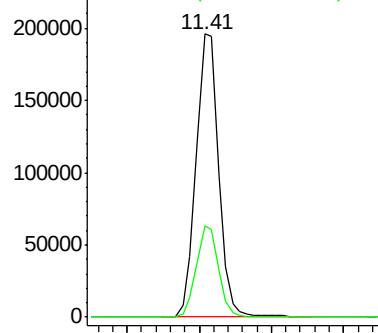
#57
 1,3-Dichloropropane
 Concen: 56.766 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 423716
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

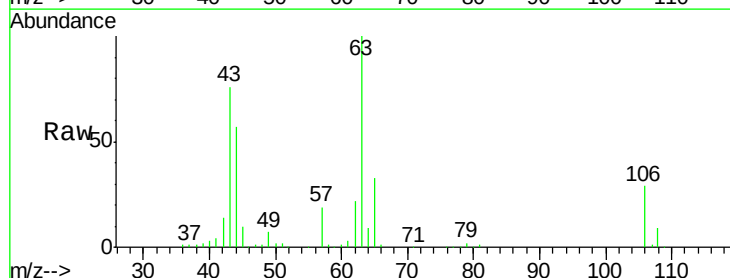


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

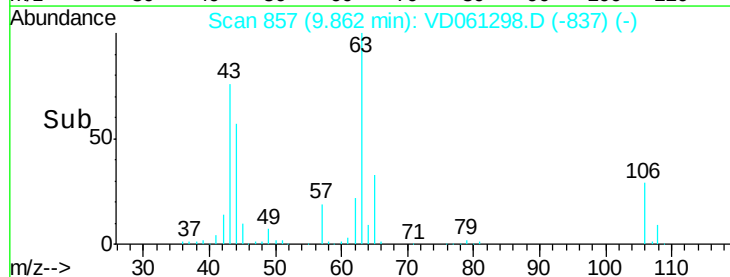
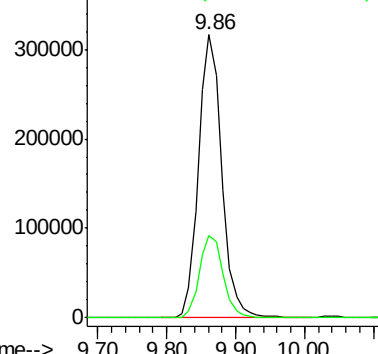


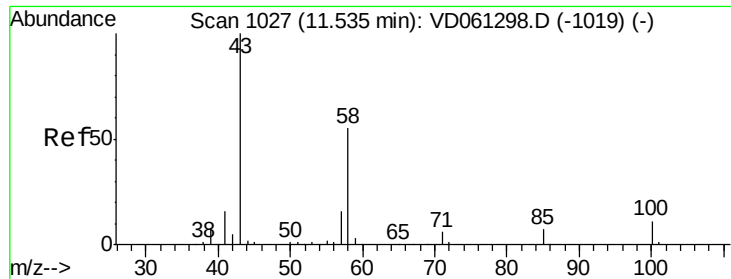
#58
 2-Chloroethyl Vinyl ether
 Concen: 269.047 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 63 Resp: 738186
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0



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

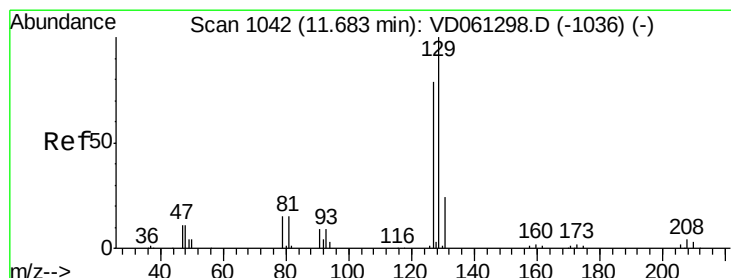
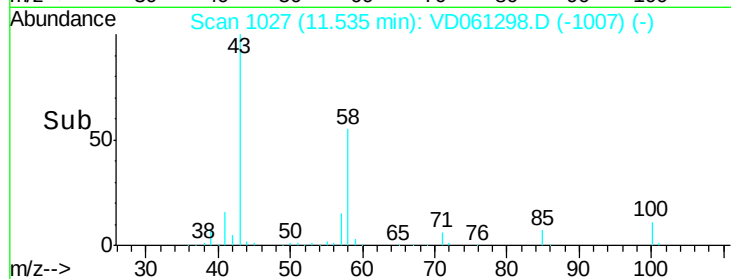
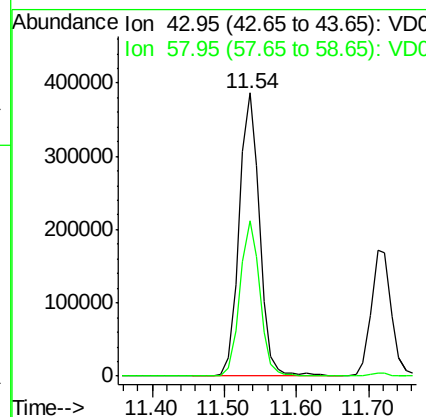
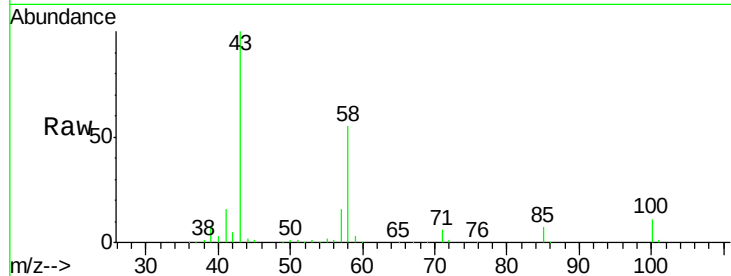




#59
2-Hexanone
Concen: 299.869 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

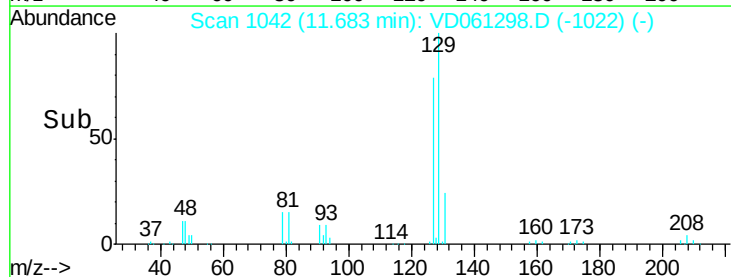
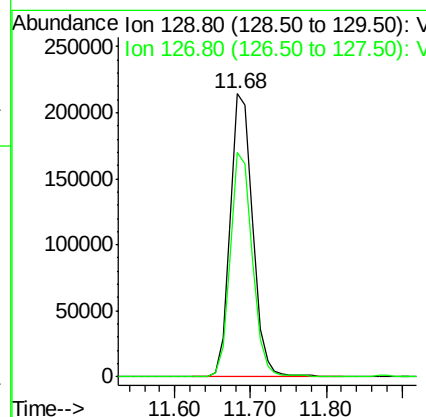
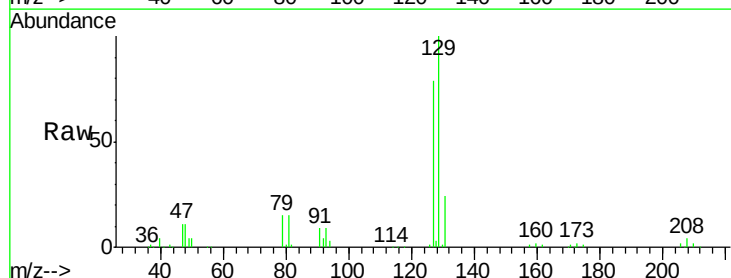
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

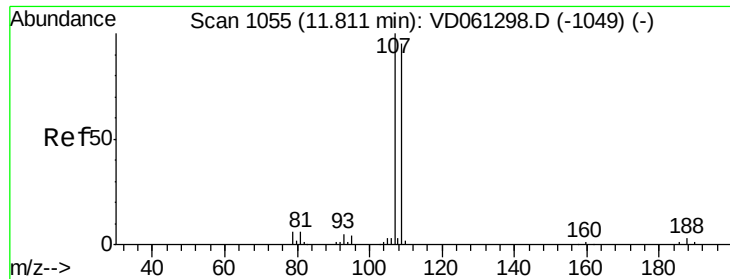
Tgt Ion: 43 Resp: 764915
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.0



#60
Dibromochloromethane
Concen: 56.647 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 129 Resp: 438521
Ion Ratio Lower Upper
129 100
127 79.3 39.6 119.0

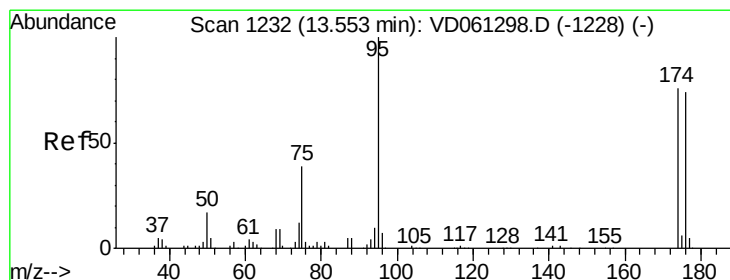
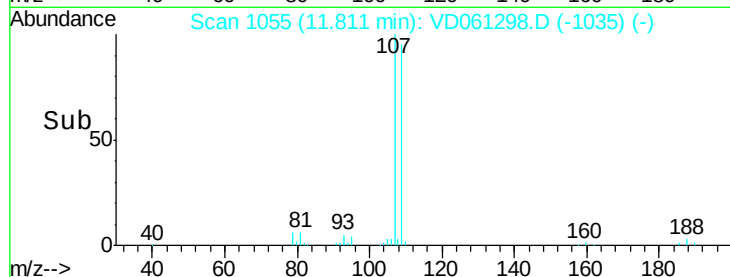
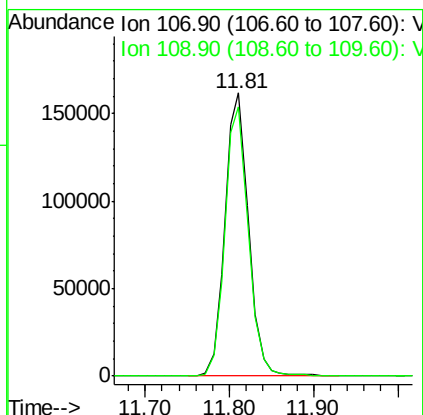
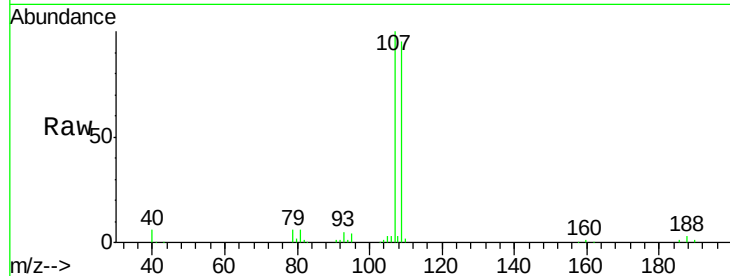




#61
 1,2-Dibromoethane
 Concen: 54.246 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

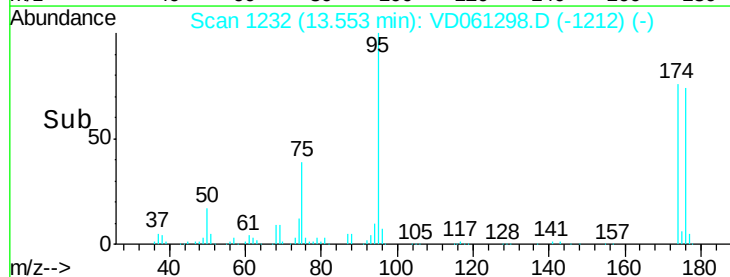
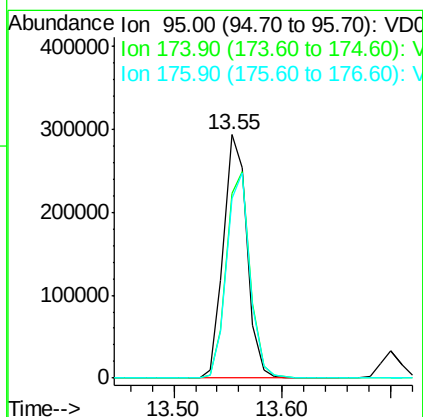
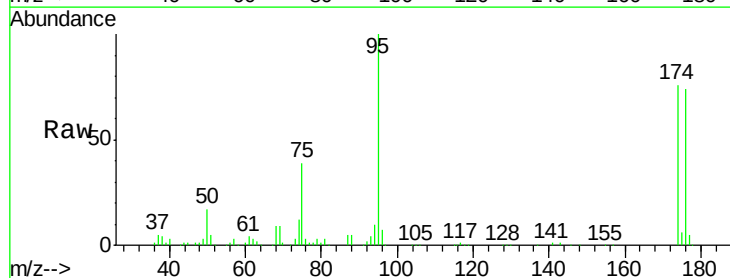
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

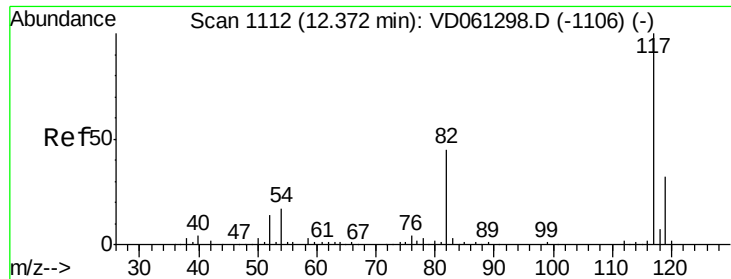
Tgt Ion: 107 Resp: 313259
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 54.246 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 95 Resp: 445900
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 151.8
 176 74.0 0.0 148.0

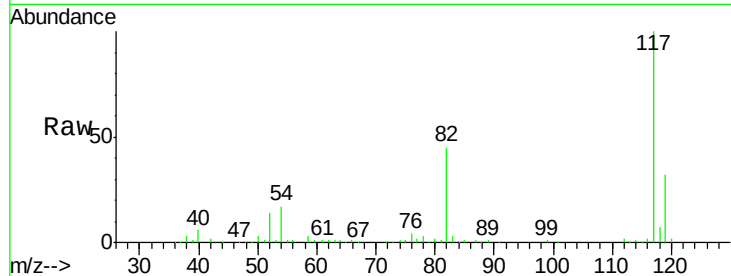




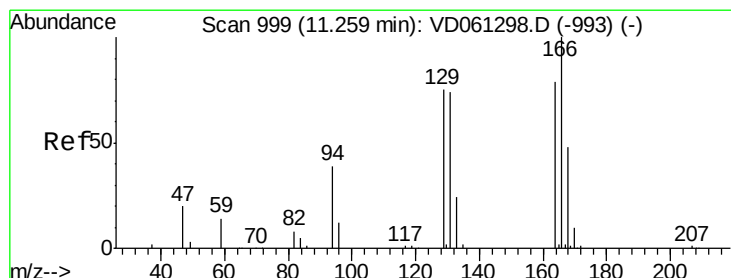
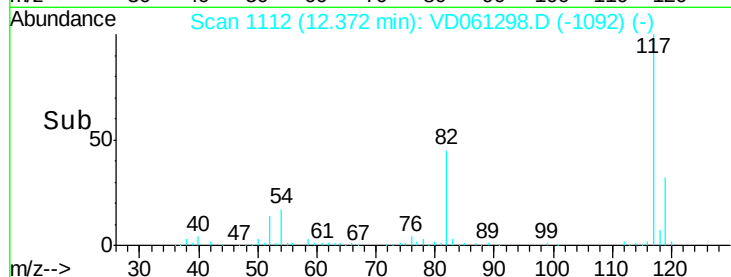
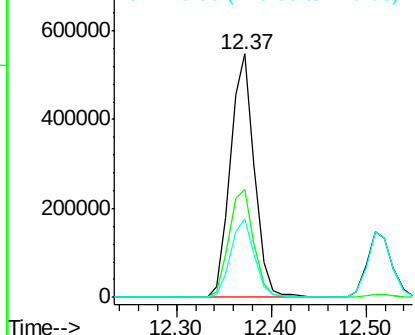
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 961496
Ion Ratio Lower Upper
117 100
82 44.6 35.7 53.5
119 32.4 25.9 38.9

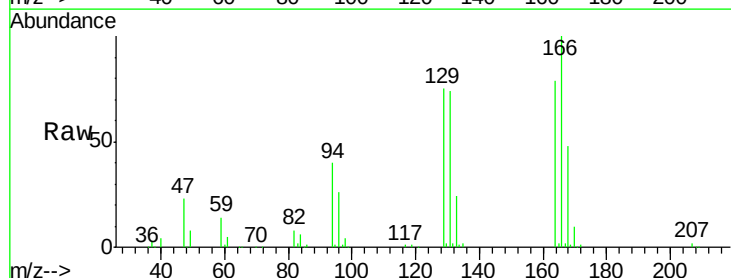


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

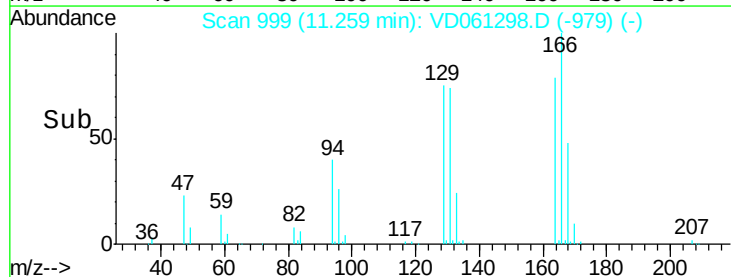
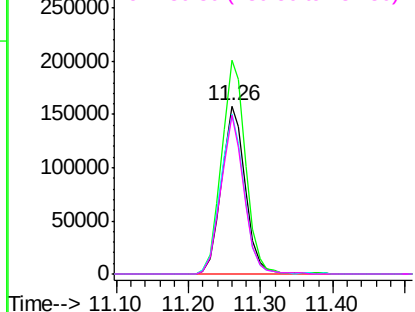


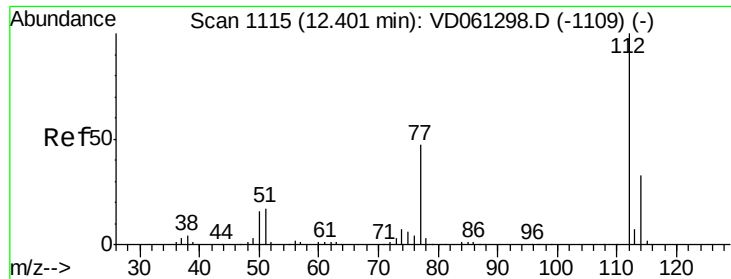
#64
Tetrachloroethene
Concen: 53.979 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:164 Resp: 357532
Ion Ratio Lower Upper
164 100
166 127.0 101.6 152.4
129 94.9 75.9 113.9
131 94.1 75.3 112.9



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

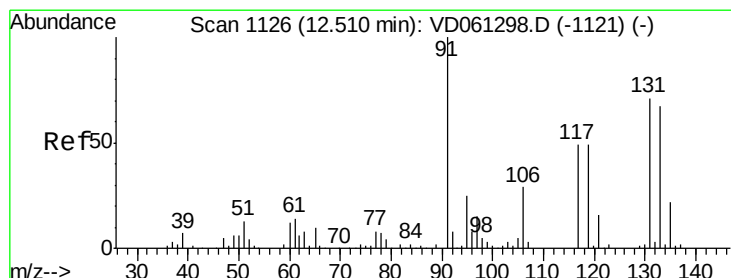
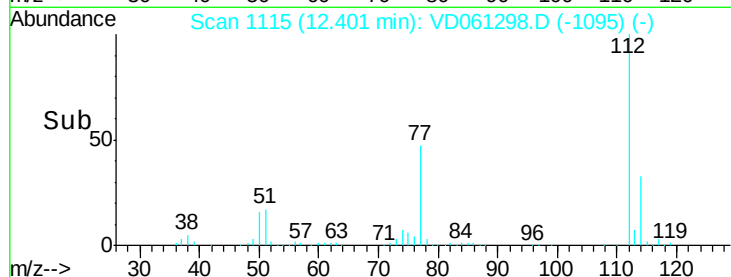
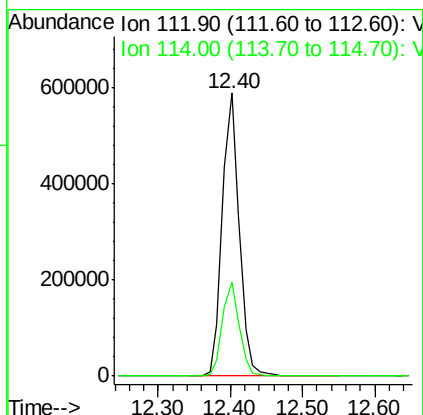
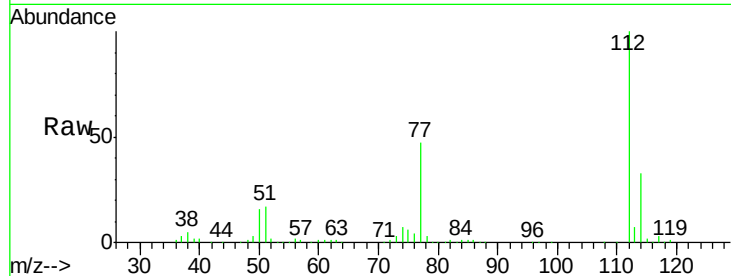




#65
Chlorobenzene
Concen: 54.011 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

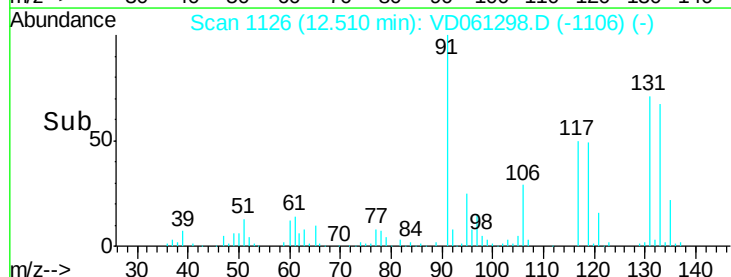
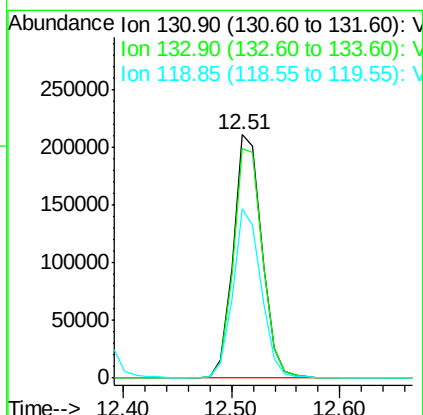
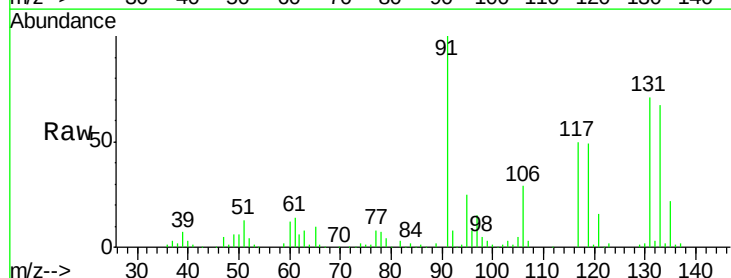
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

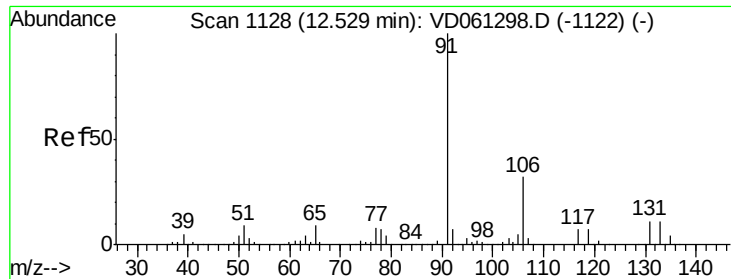
Tgt Ion:112 Resp: 956500
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 56.385 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:131 Resp: 387154
Ion Ratio Lower Upper
131 100
133 94.1 47.0 141.2
119 69.7 34.8 104.5

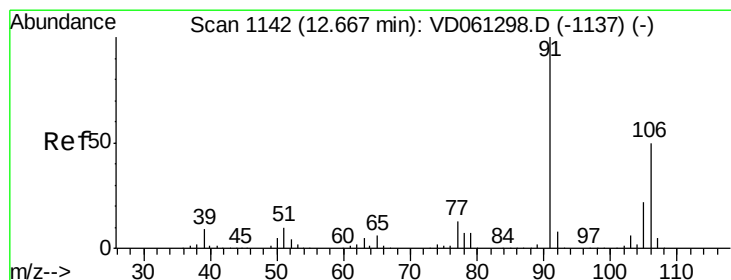
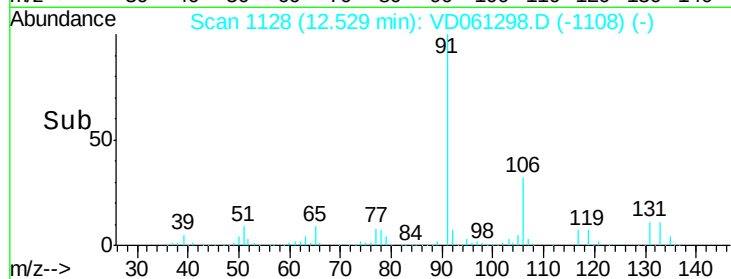
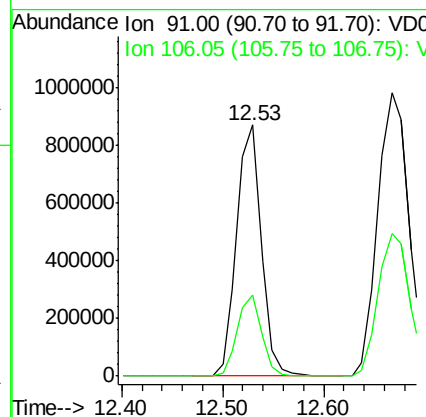
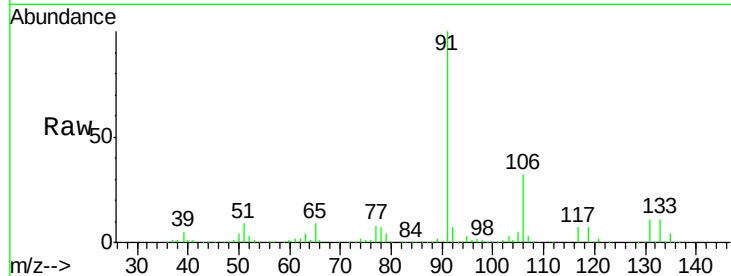




#67
Ethyl Benzene
Concen: 54.640 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

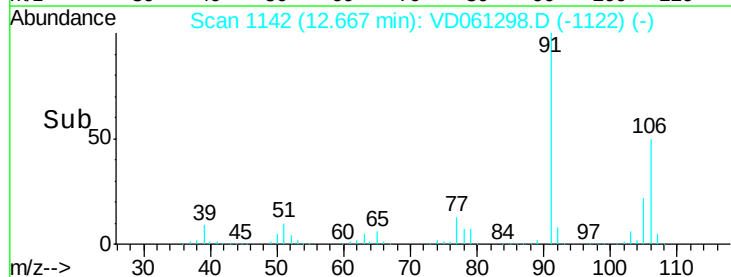
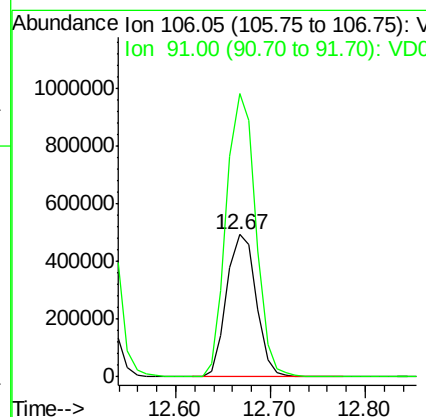
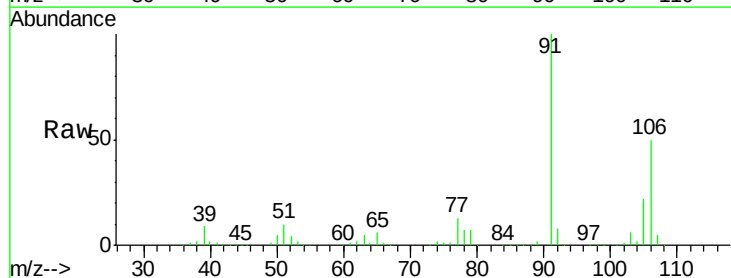
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

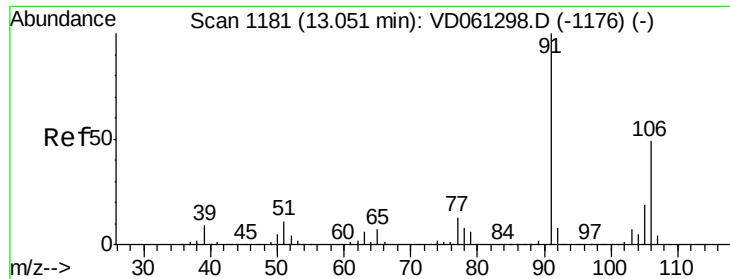
Tgt Ion: 91 Resp: 1480927
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8



#68
m/p-Xylenes
Concen: 101.679 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 106 Resp: 1075743
Ion Ratio Lower Upper
106 100
91 199.0 159.2 238.8

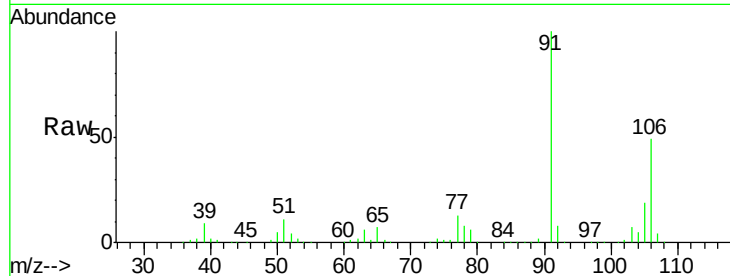




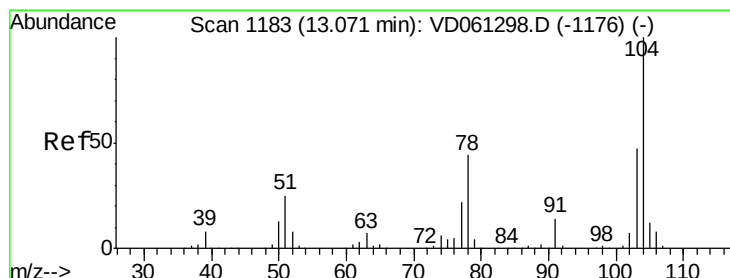
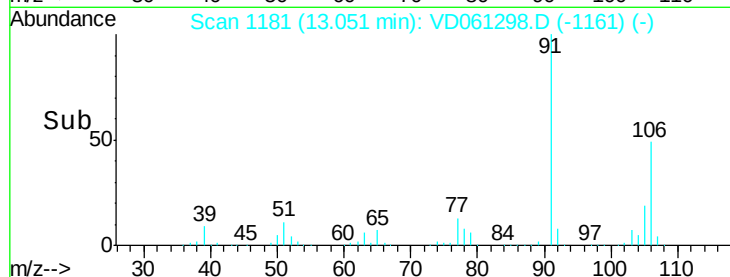
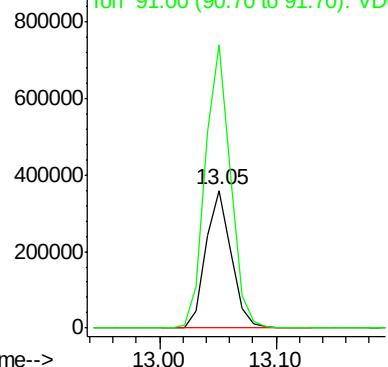
#69
o-Xylene
Concen: 55.452 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 544114
Ion Ratio Lower Upper
106 100
91 205.0 102.5 307.5

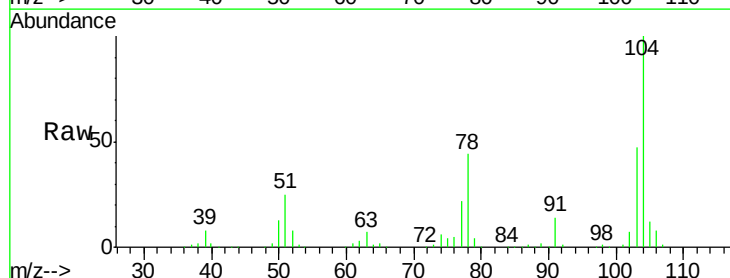


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

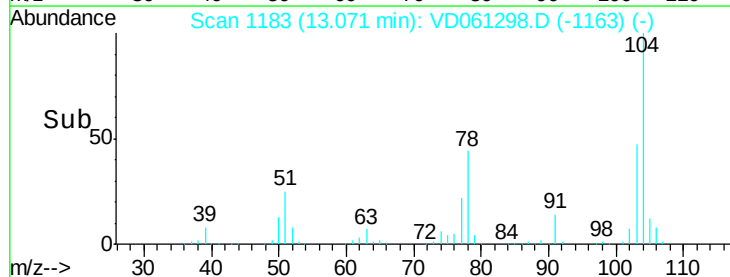
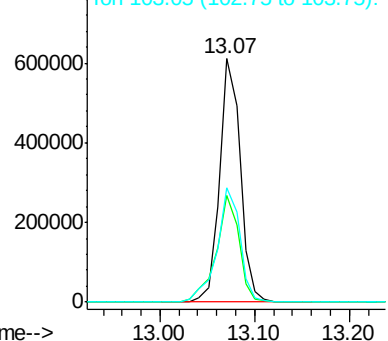


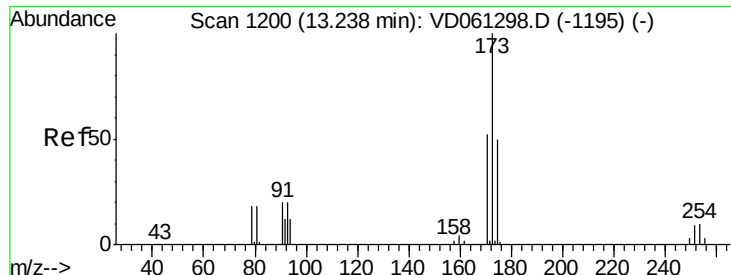
#70
Styrene
Concen: 55.530 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:104 Resp: 924757
Ion Ratio Lower Upper
104 100
78 43.9 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

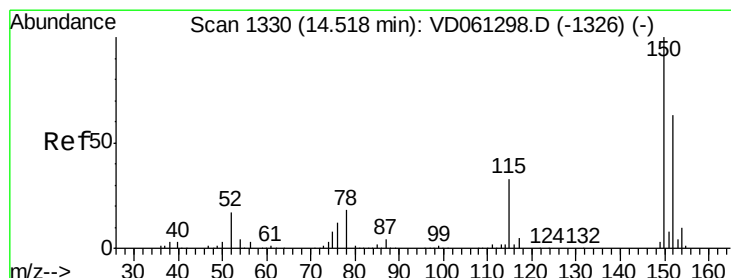
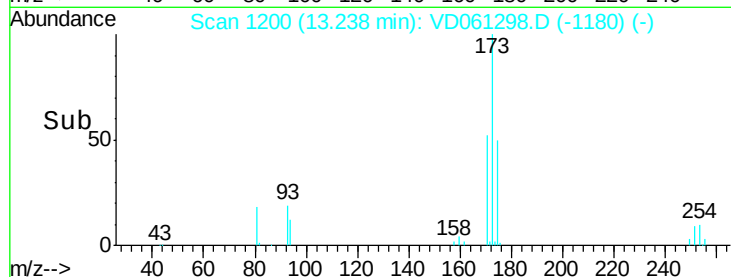
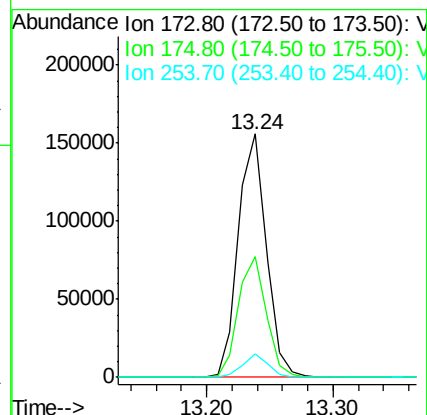
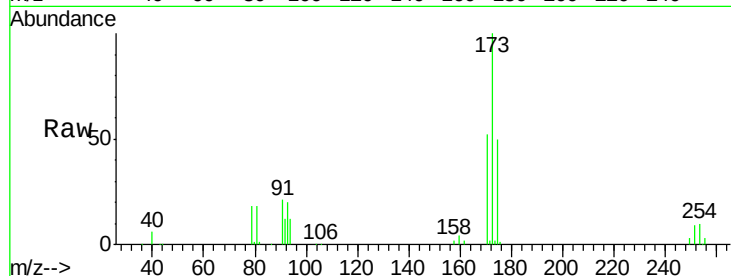




#71
Bromoform
Concen: 56.831 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

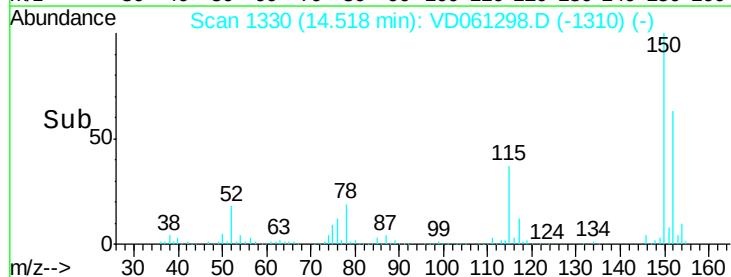
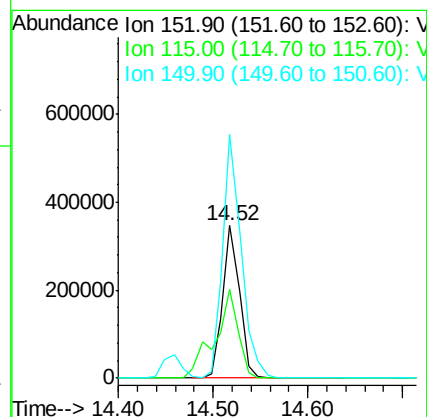
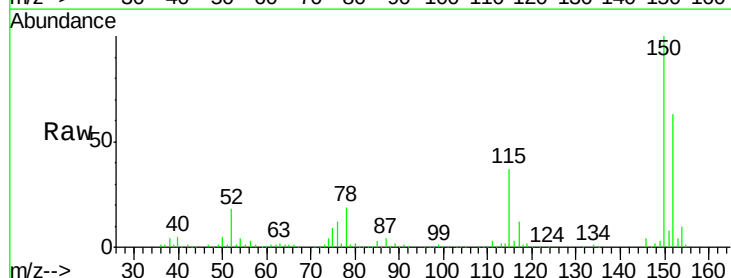
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

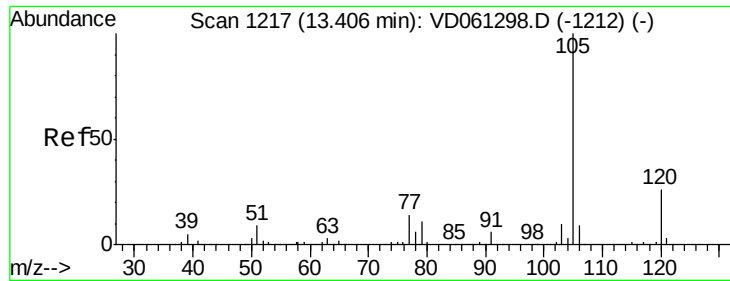
Tgt Ion:173 Resp: 238787
Ion Ratio Lower Upper
173 100
175 49.8 24.9 74.7
254 9.7 7.8 11.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:152 Resp: 428009
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 159.8 0.0 319.6





#73

Isopropylbenzene

Concen: 53.587 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

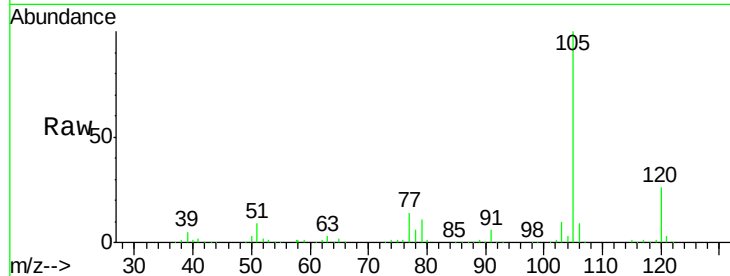
VSTDICCC050

Tgt Ion:105 Resp: 1491783

Ion Ratio Lower Upper

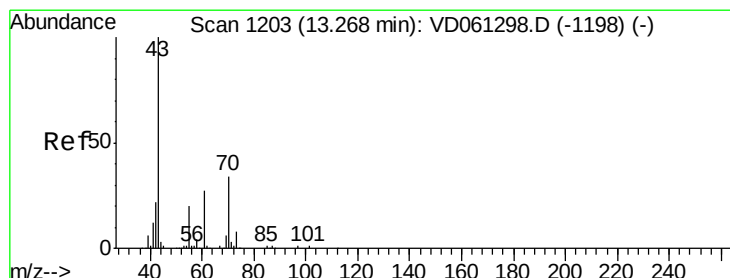
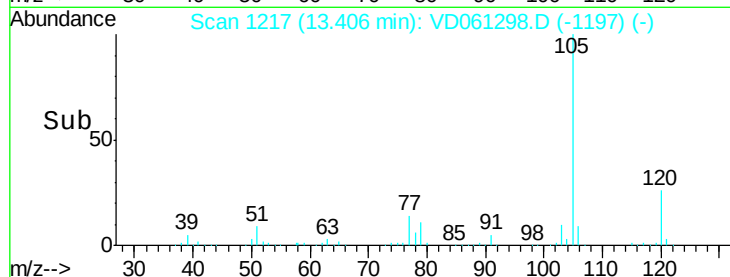
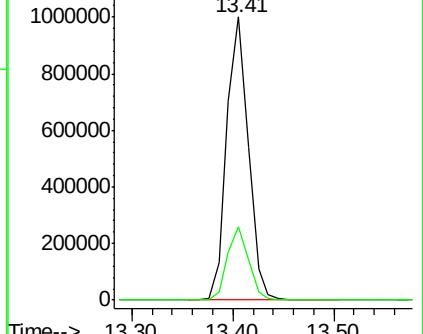
105 100

120 26.1 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: 55.133 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Tgt Ion: 43 Resp: 401556

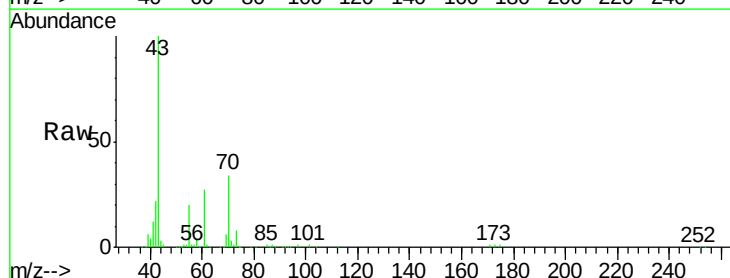
Ion Ratio Lower Upper

43 100

70 34.4 27.5 41.3

55 19.6 15.7 23.5

61 27.2 21.8 32.6

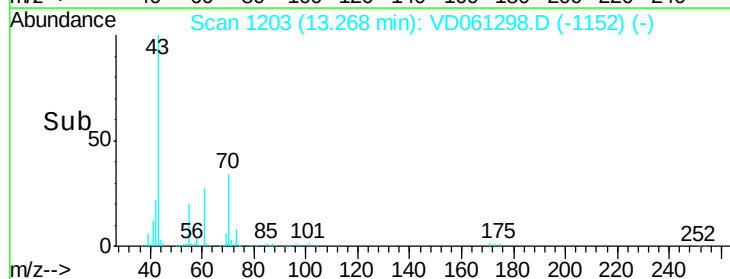
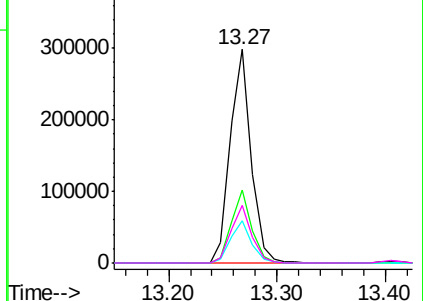


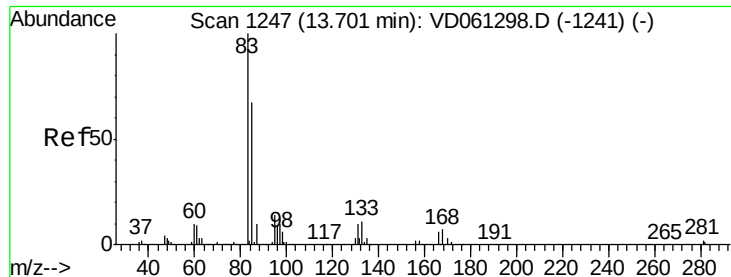
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 57.125 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

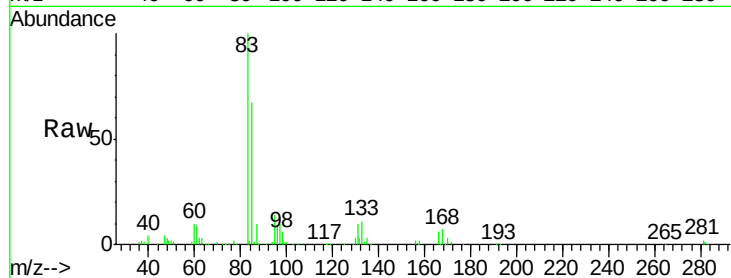
Tgt Ion: 83 Resp: 308391

Ion Ratio Lower Upper

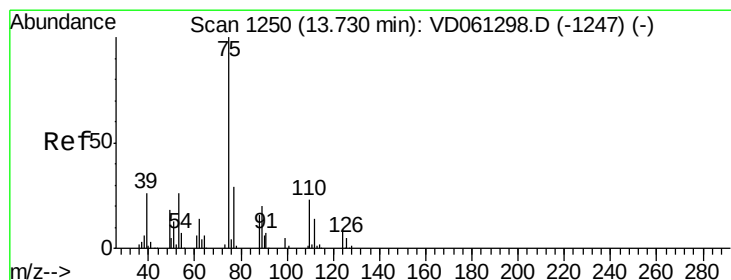
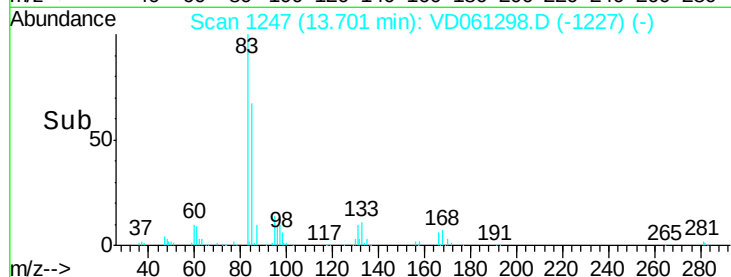
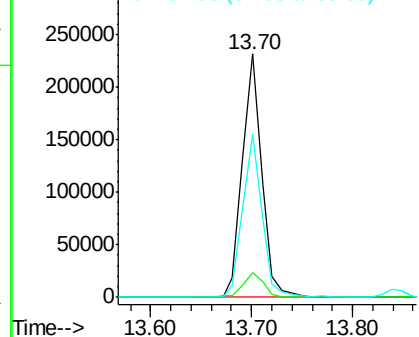
83 100

131 10.0 5.0 15.0

85 66.8 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: 53.895 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061298.D

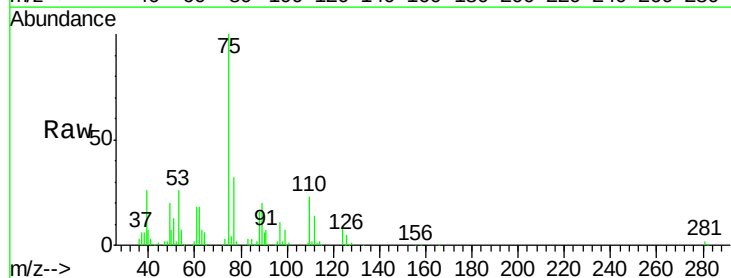
Acq: 25 Mar 2019 12:14

Tgt Ion: 75 Resp: 286871

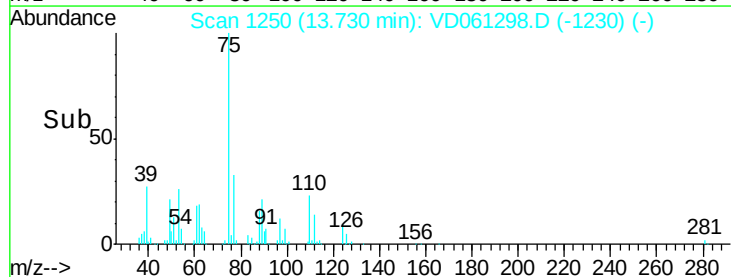
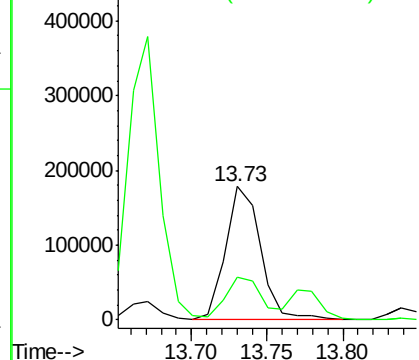
Ion Ratio Lower Upper

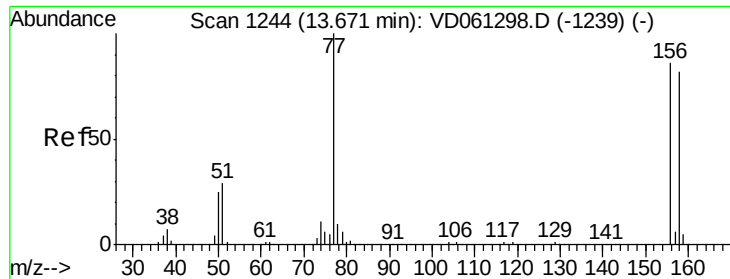
75 100

77 31.6 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: 56.627 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

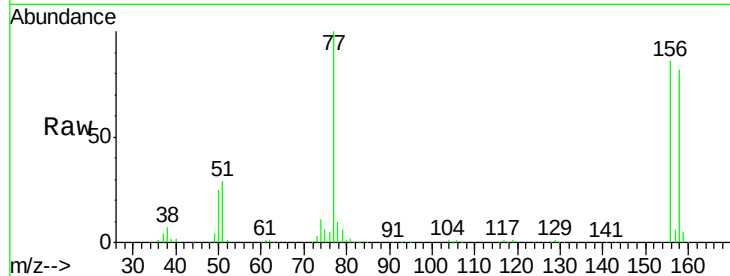
Tgt Ion:156 Resp: 440339

Ion Ratio Lower Upper

156 100

77 116.7 58.4 175.1

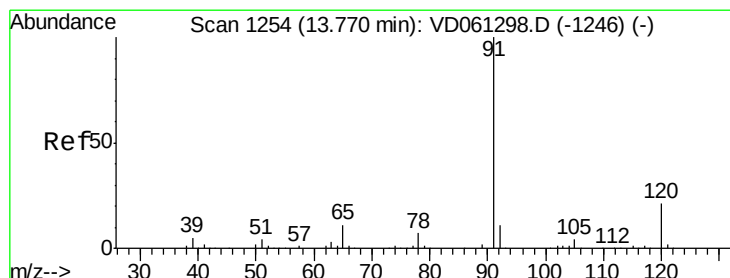
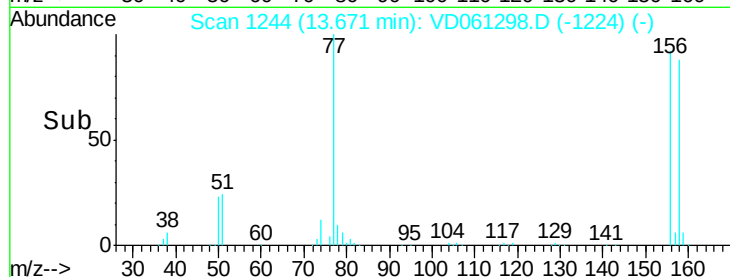
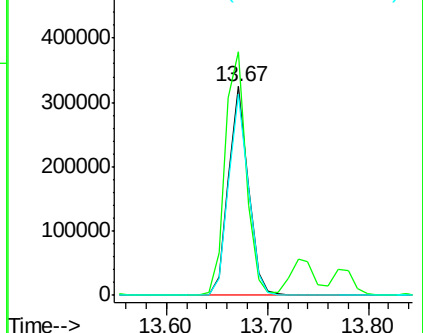
158 96.2 48.1 144.3



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: 53.599 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061298.D

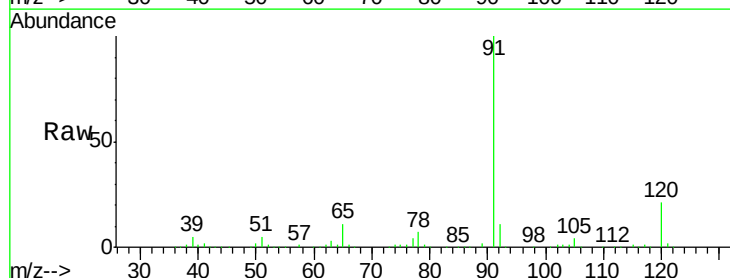
Acq: 25 Mar 2019 12:14

Tgt Ion: 91 Resp: 1683415

Ion Ratio Lower Upper

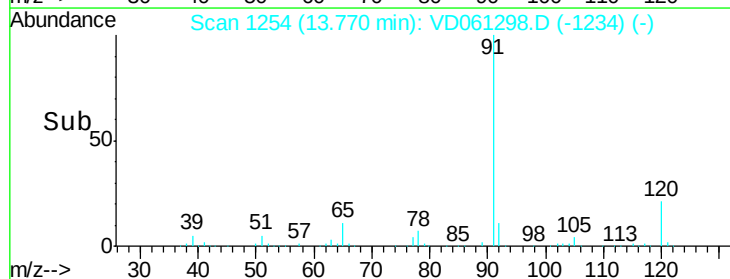
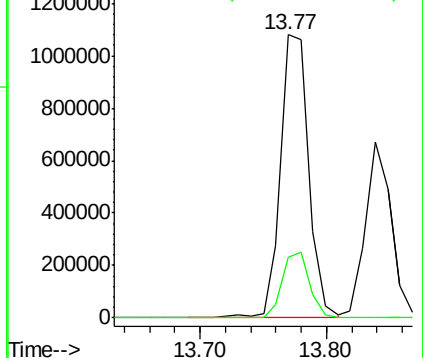
91 100

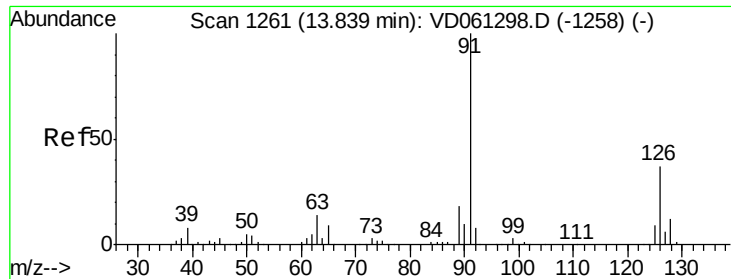
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

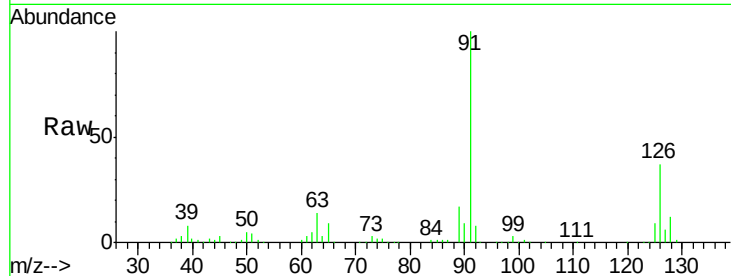




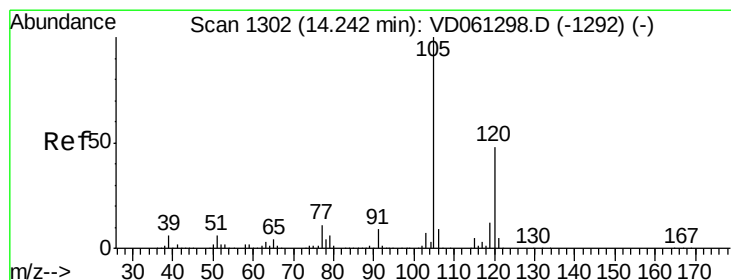
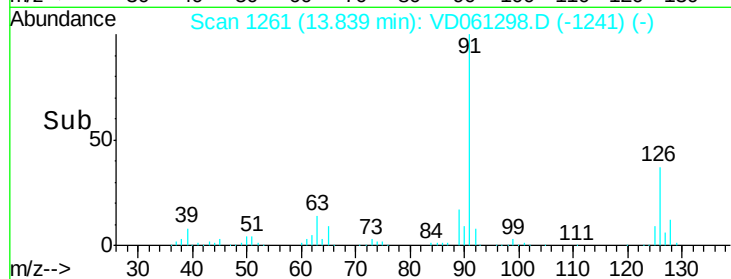
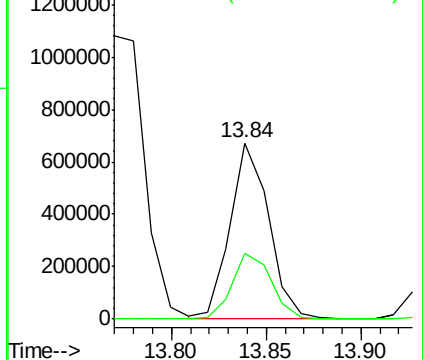
#79
2-Chlorotoluene
Concen: 51.482 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 939536
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4

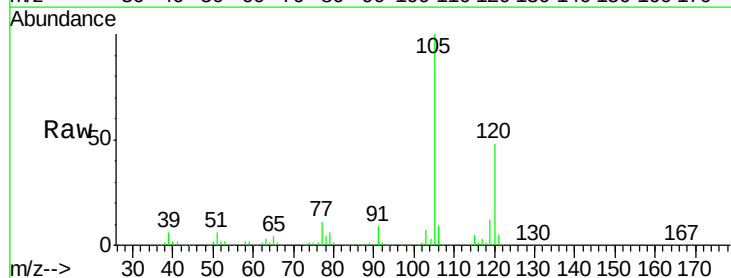


Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

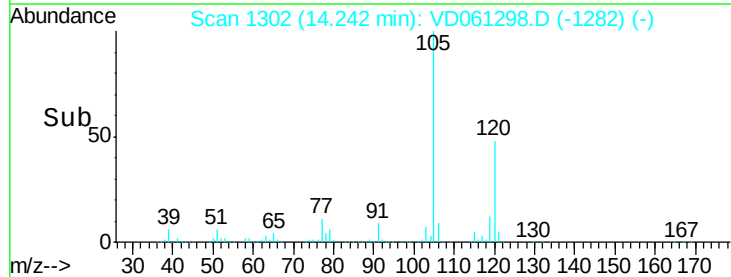
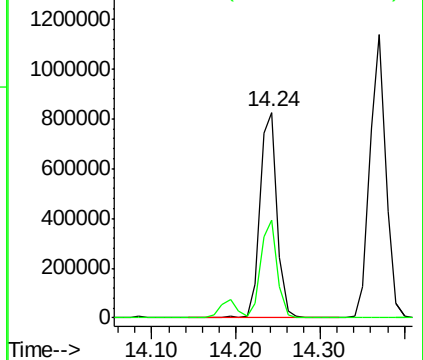


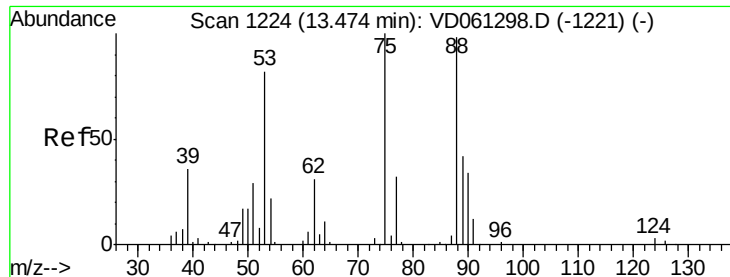
#80
1,3,5-Trimethylbenzene
Concen: 54.017 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion: 105 Resp: 1186289
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)
Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 58.160 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

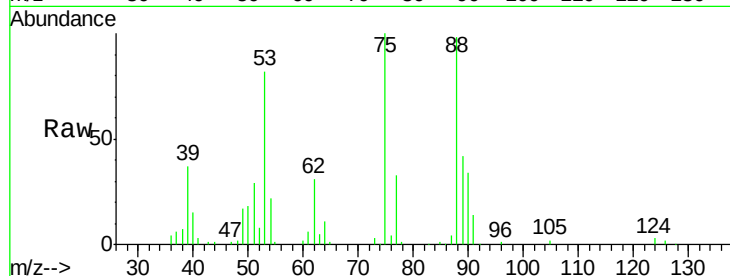
Tgt Ion: 75 Resp: 97698

Ion Ratio Lower Upper

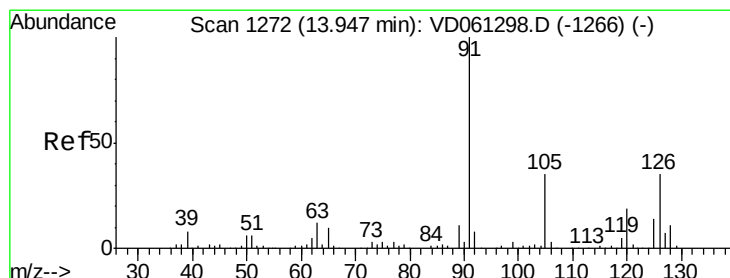
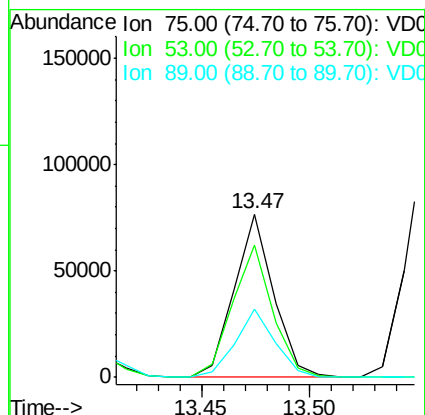
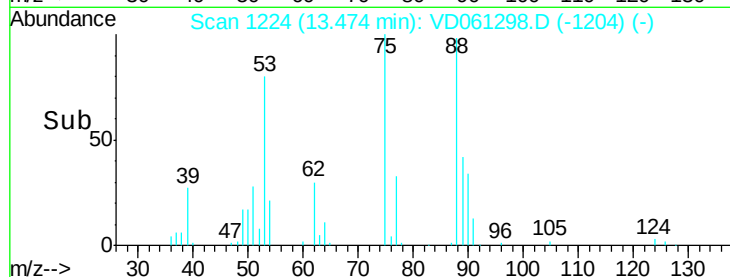
75 100

53 81.6 65.3 97.9

89 42.2 33.8 50.6



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



#82

4-Chlorotoluene

Concen: 52.522 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061298.D

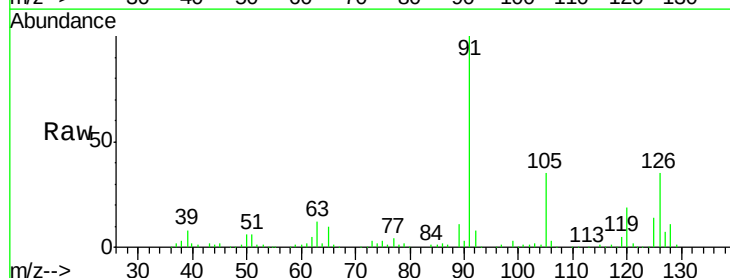
Acq: 25 Mar 2019 12:14

Tgt Ion: 91 Resp: 1050000

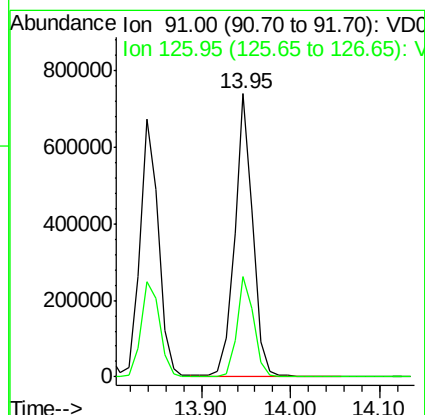
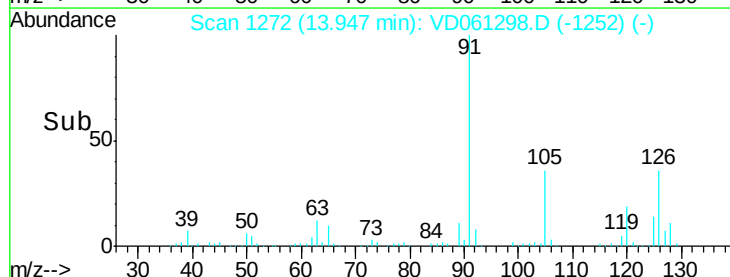
Ion Ratio Lower Upper

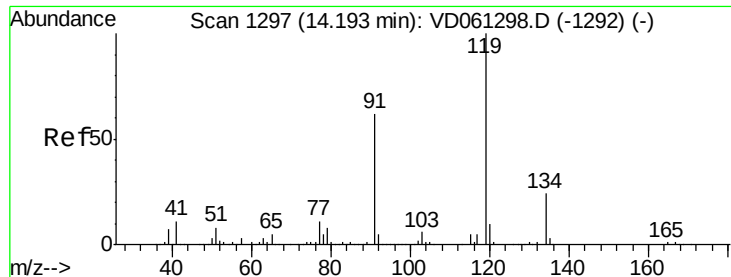
91 100

126 35.4 17.7 53.1



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

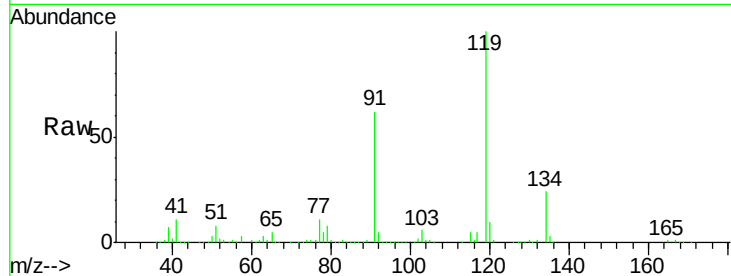




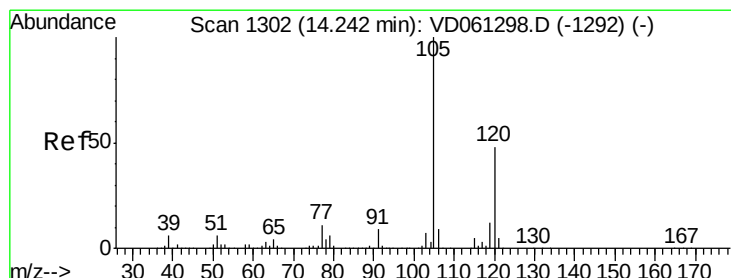
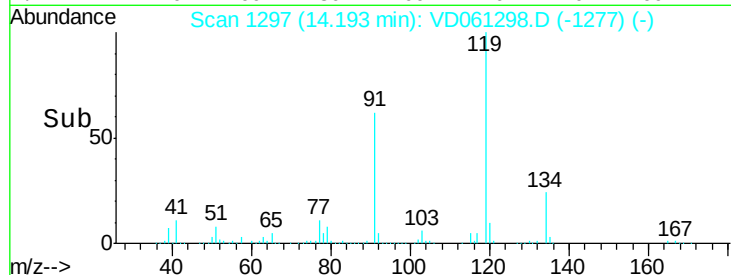
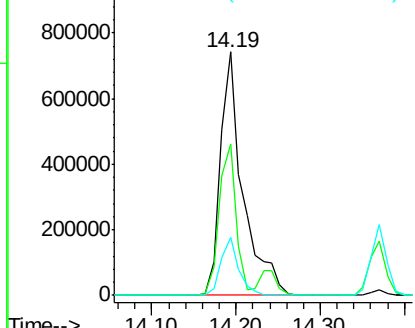
#83
 tert-Butylbenzene
 Concen: 54.936 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 1377531
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.1 93.5
 134 23.8 11.9 35.7

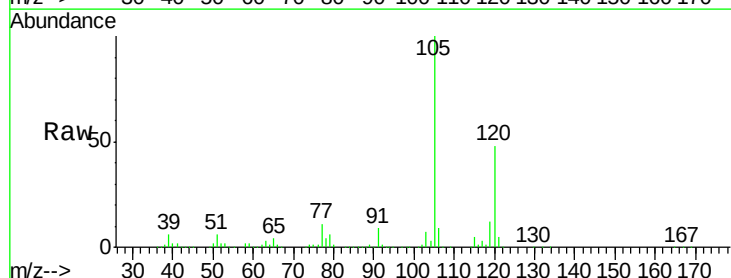


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

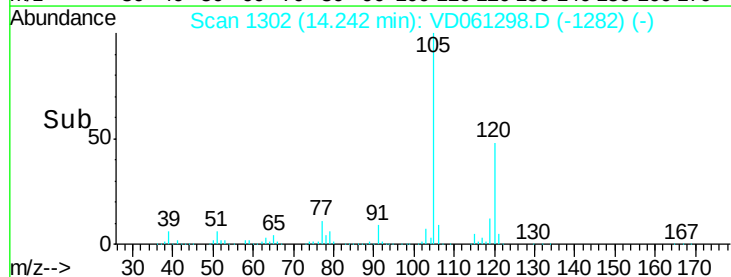
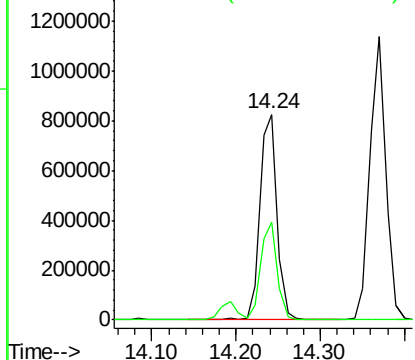


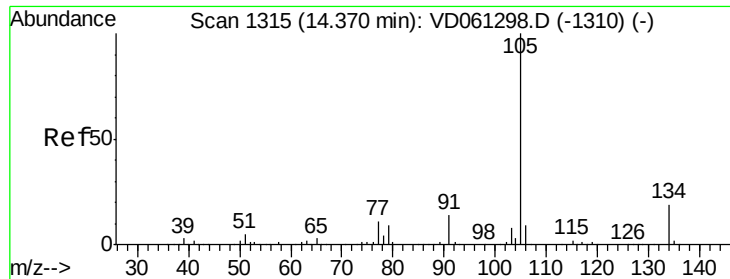
#84
 1,2,4-Trimethylbenzene
 Concen: 54.017 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion:105 Resp: 1186289
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4



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

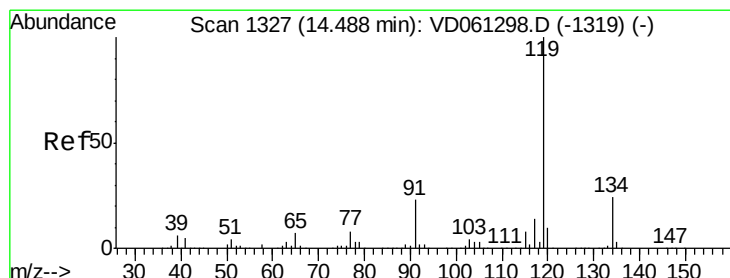
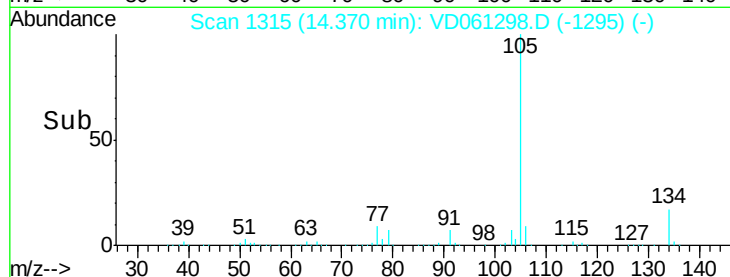
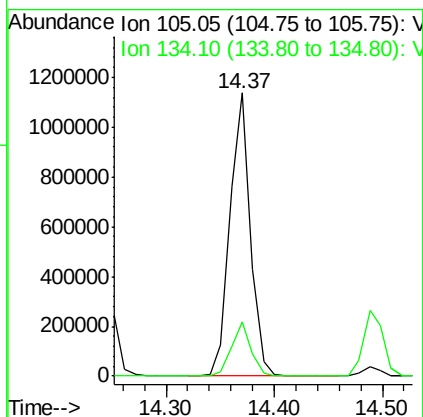
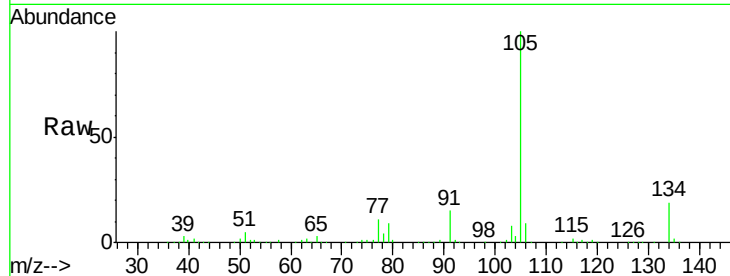




#85
 sec-Butylbenzene
 Concen: 53.508 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

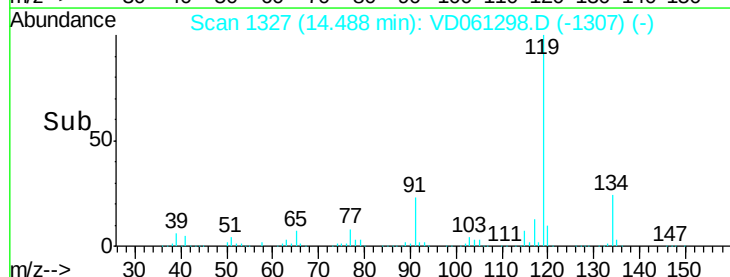
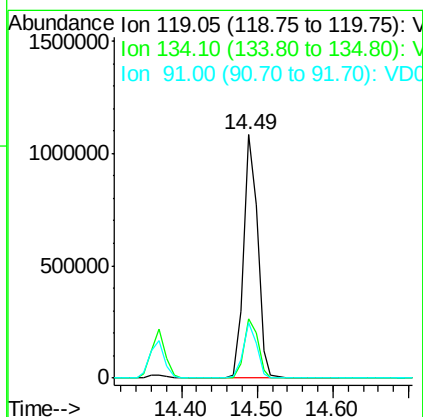
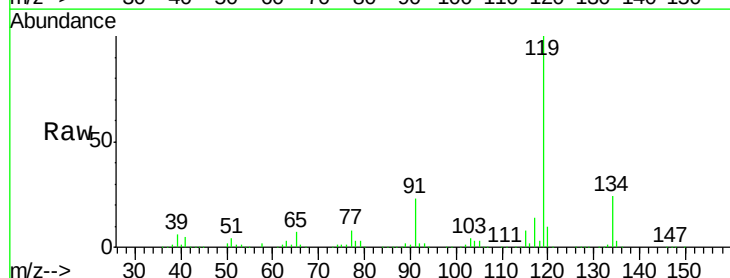
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

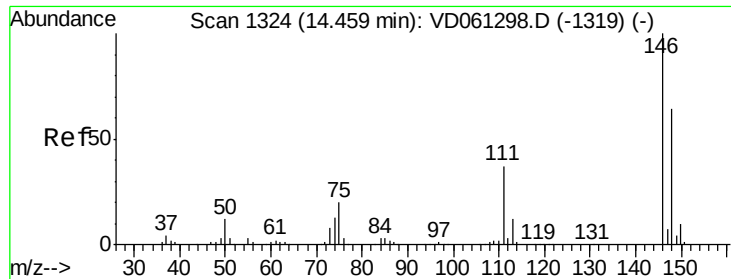
Tgt Ion:105 Resp: 1494238
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 54.916 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion:119 Resp: 1368174
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.1 36.3
 91 22.8 11.4 34.2

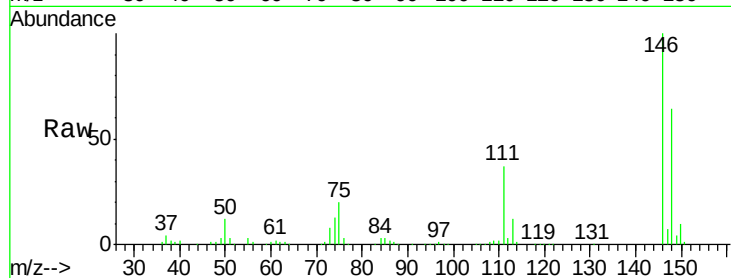




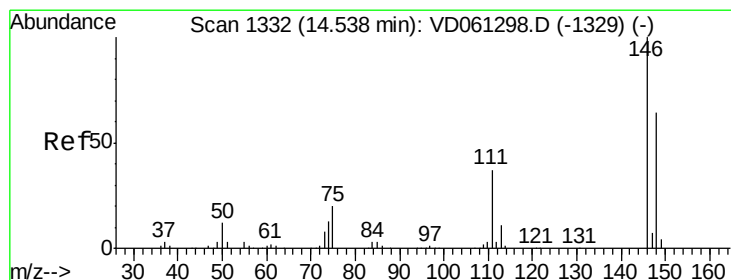
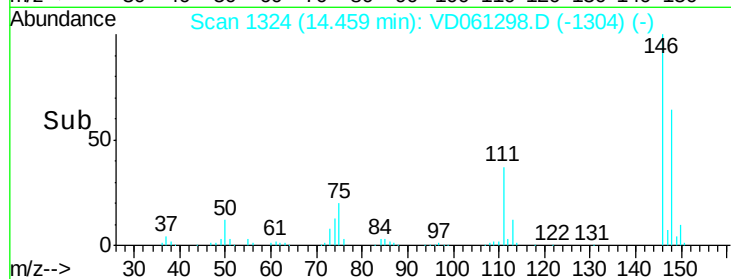
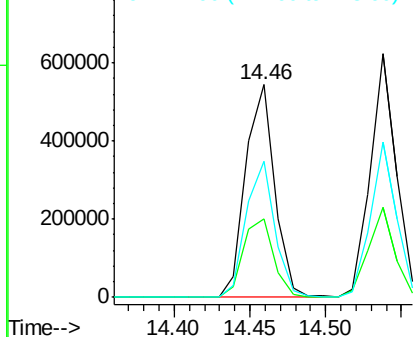
#87
 1,3-Dichlorobenzene
 Concen: 52.867 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 728690
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 64.1 32.0 96.2

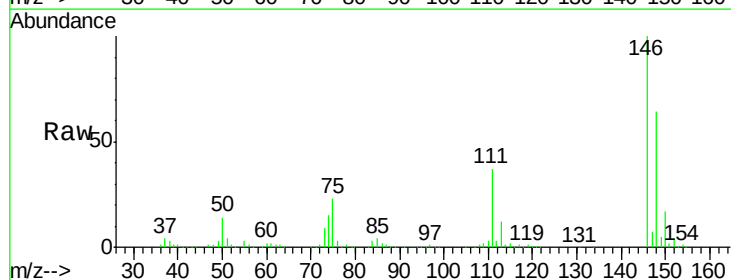


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

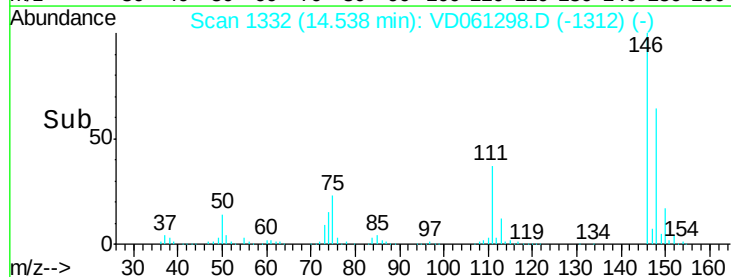
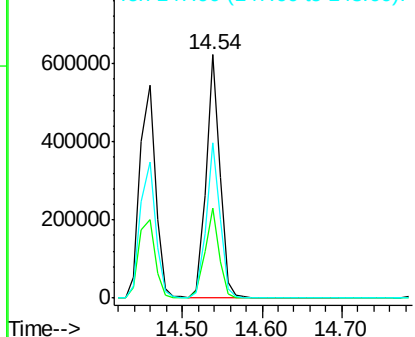


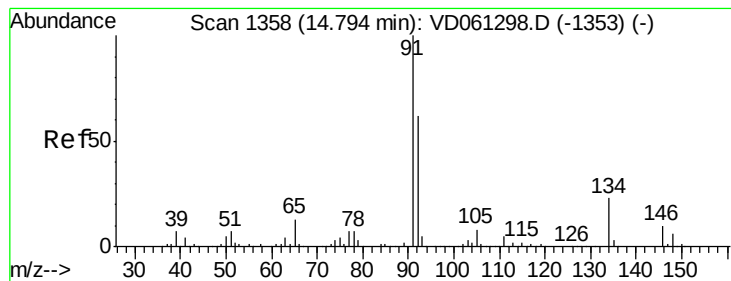
#88
 1,4-Dichlorobenzene
 Concen: 56.255 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion:146 Resp: 751104
 Ion Ratio Lower Upper
 146 100
 111 37.1 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: 52.885 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061298.D

Acq: 25 Mar 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

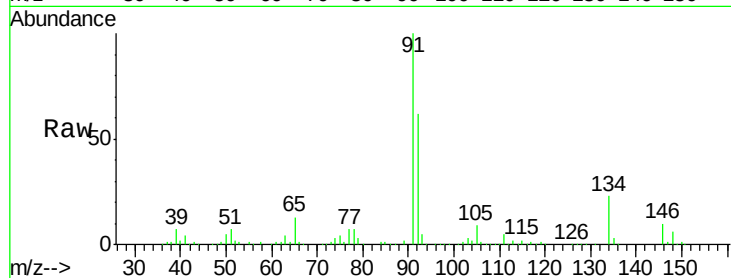
Tgt Ion: 91 Resp: 1169770

Ion Ratio Lower Upper

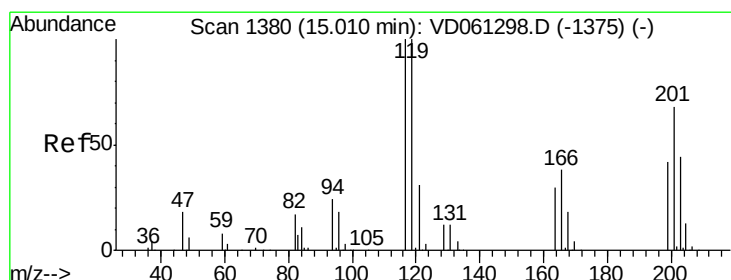
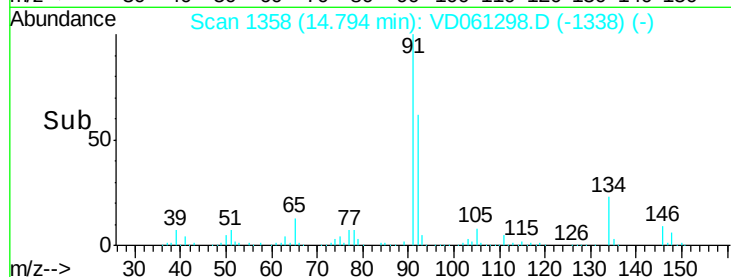
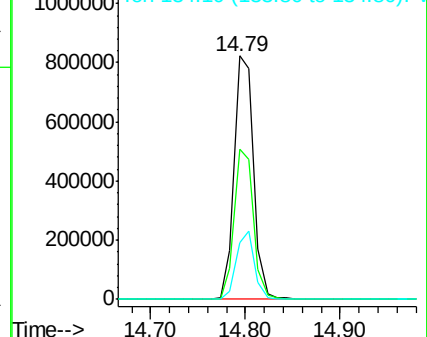
91 100

92 61.8 30.9 92.7

134 23.3 11.7 35.0



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



#90

Hexachloroethane

Concen: 56.100 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061298.D

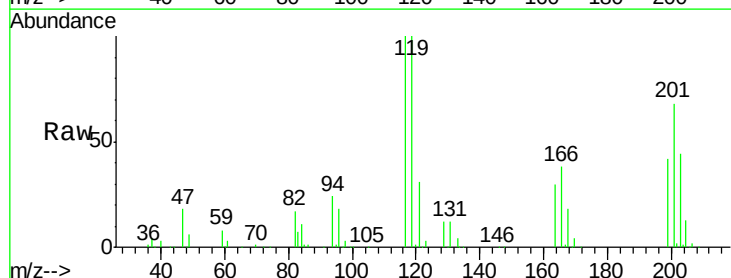
Acq: 25 Mar 2019 12:14

Tgt Ion: 117 Resp: 374736

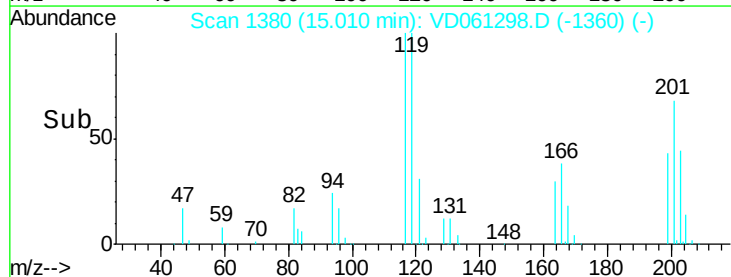
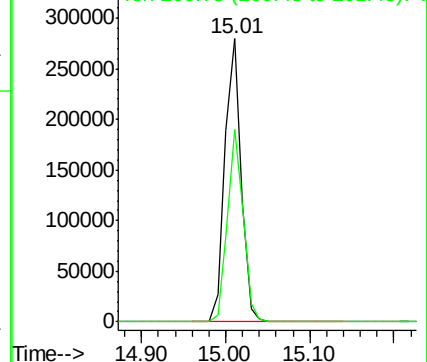
Ion Ratio Lower Upper

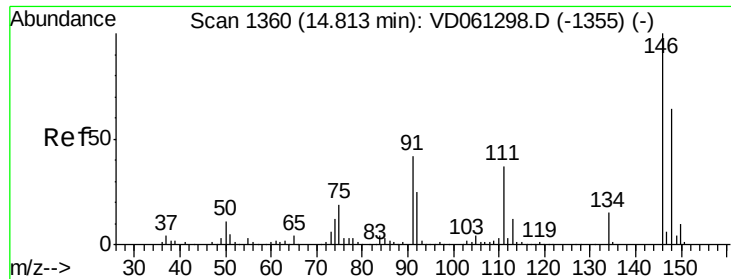
117 100

201 67.9 34.0 101.8



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

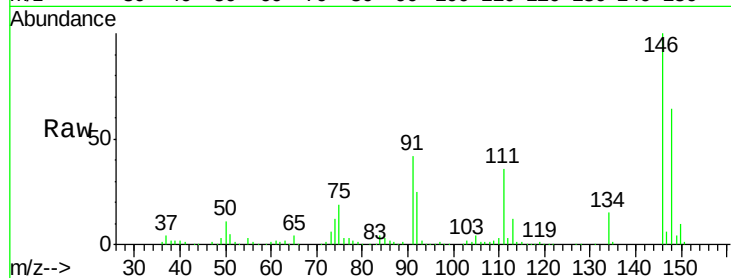




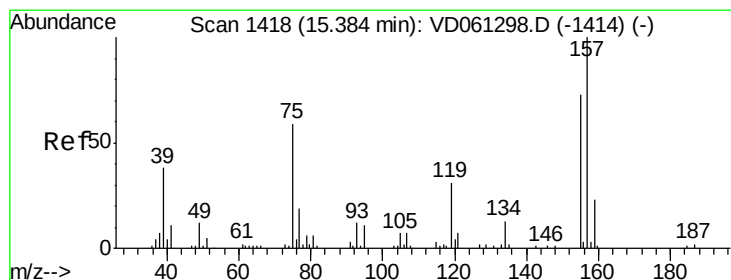
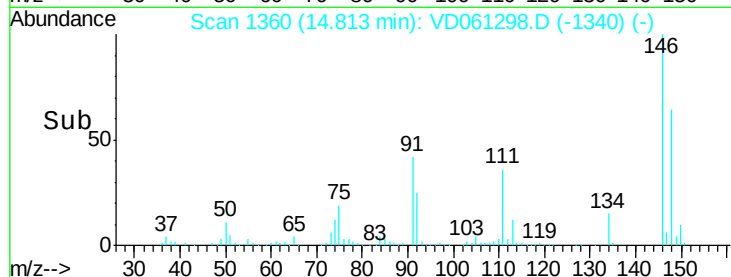
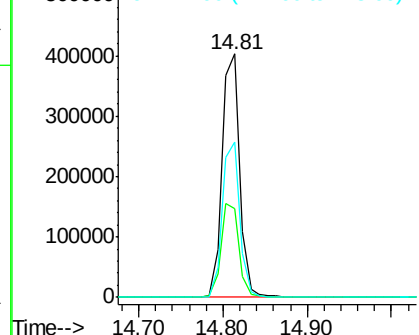
#91
 1,2-Dichlorobenzene
 Concen: 52.804 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 580749
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.3 54.8
 148 63.8 31.9 95.7

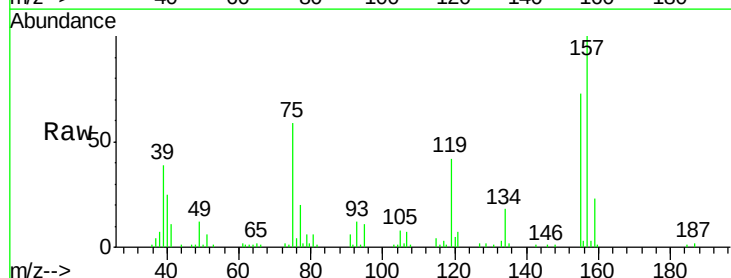


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

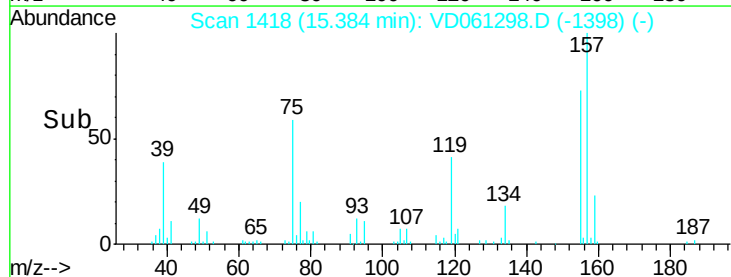
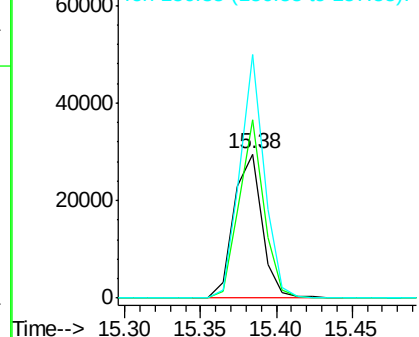


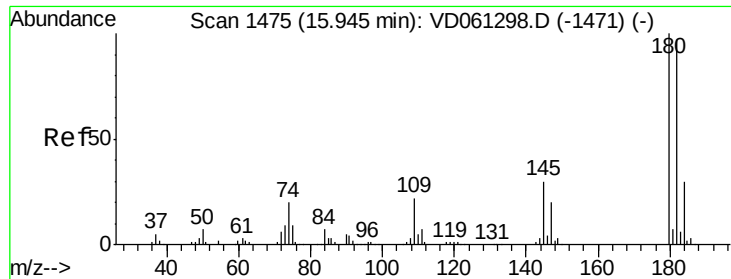
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.296 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion: 75 Resp: 37977
 Ion Ratio Lower Upper
 75 100
 155 123.8 61.9 185.7
 157 168.8 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

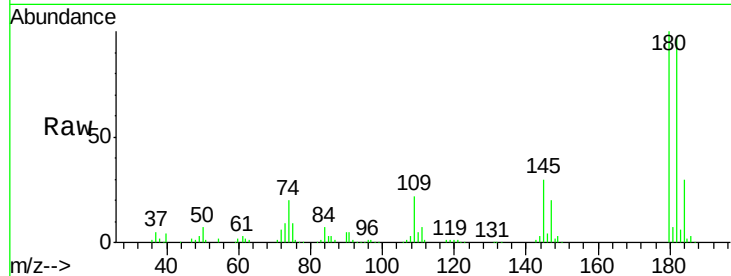




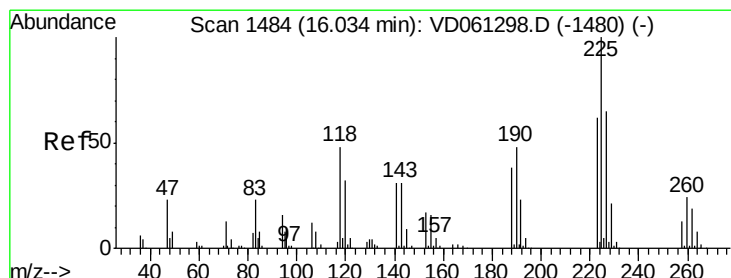
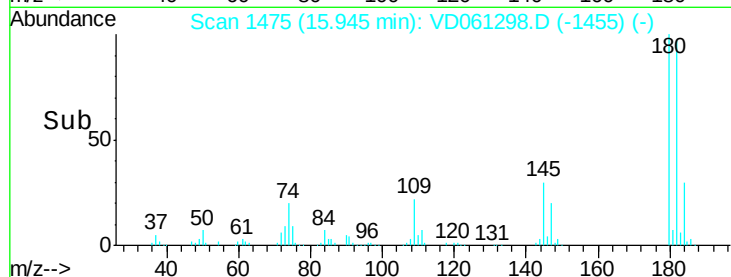
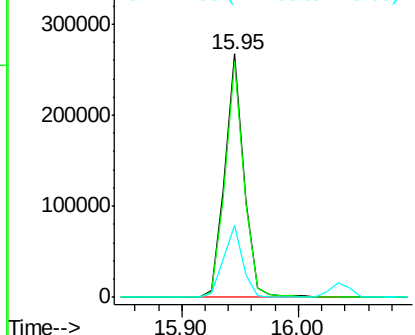
#93
 1,2,4-Trichlorobenzene
 Concen: 60.021 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 304873
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.3 144.9
 145 29.6 14.8 44.4

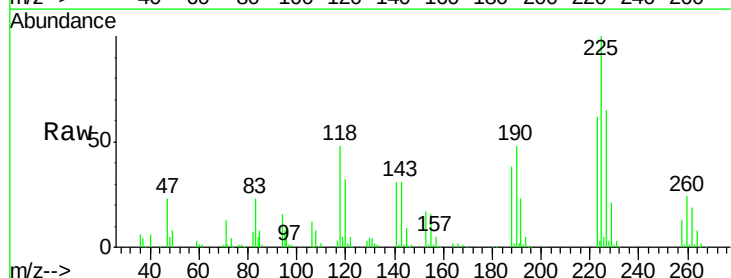


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

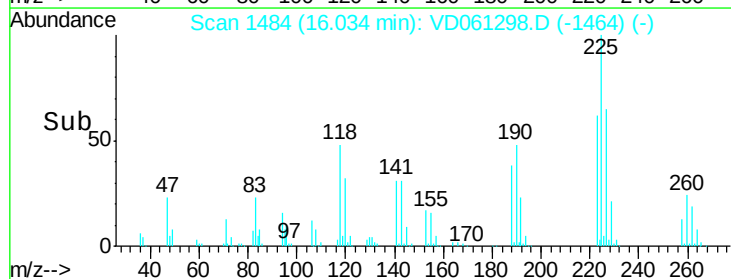
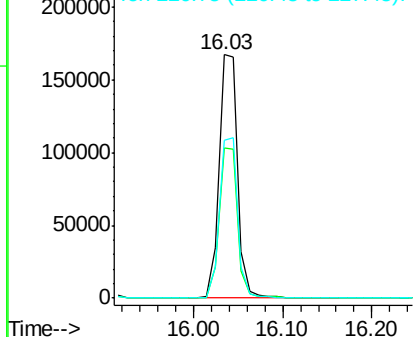


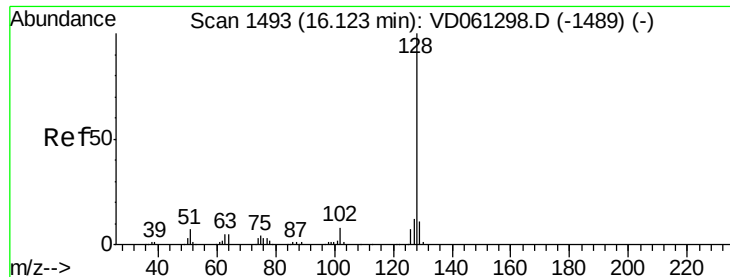
#94
 Hexachlorobutadiene
 Concen: 59.536 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061298.D
 Acq: 25 Mar 2019 12:14

Tgt Ion:225 Resp: 243686
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.8
 227 65.1 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

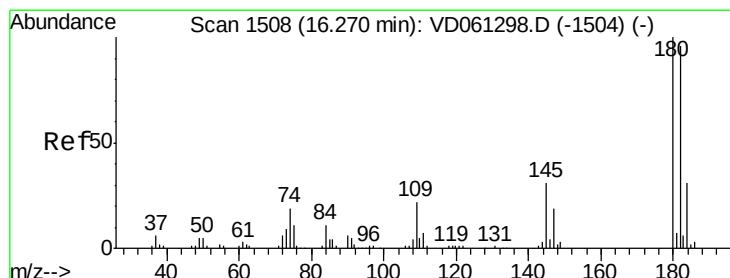
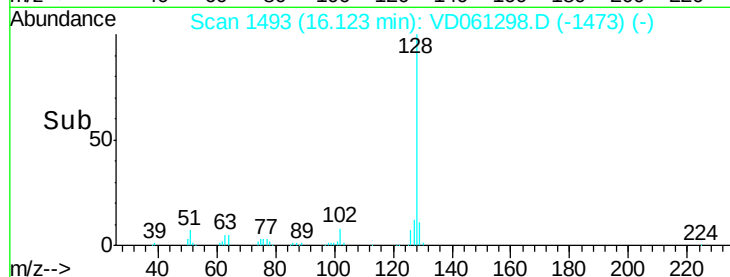
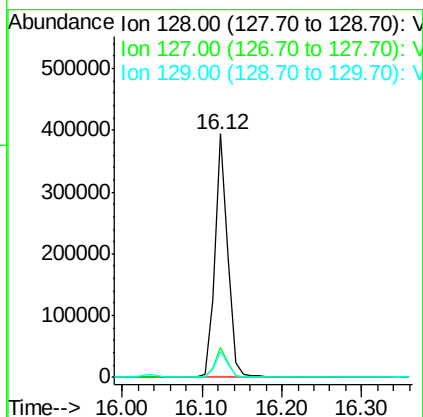
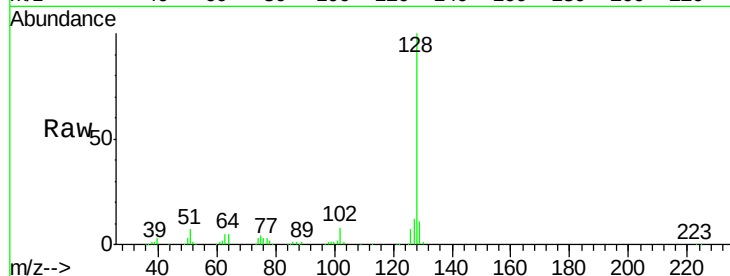




#95
Naphthalene
Concen: 60.414 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 447682
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 62.569 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061298.D
Acq: 25 Mar 2019 12:14

Tgt Ion:180 Resp: 148439
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.2
145 30.9 15.4 46.4

