

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061297.D
 Acq On : 25 Mar 2019 11:47
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 26 02:04:16 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	738383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1169927	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	993774	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	445647	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	116051	18.21	ug/l	0.02
Spiked Amount			Recovery	=	36.42%	
35) Dibromofluoromethane	6.94	113	169727	18.96	ug/l	0.00
Spiked Amount			Recovery	=	37.92%	
50) Toluene-d8	10.43	98	432081	19.91	ug/l	0.02
Spiked Amount			Recovery	=	39.82%	
62) 4-Bromofluorobenzene	13.57	95	166001	19.60	ug/l	0.02
Spiked Amount			Recovery	=	39.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	146290	19.366	ug/l	98
3) Chloromethane	1.78	50	112311	19.063	ug/l	99
4) Vinyl Chloride	1.87	62	108964	19.783	ug/l	100
5) Bromomethane	2.17	94	19061	16.714	ug/l	94
6) Chloroethane	2.28	64	25997	14.997	ug/l	92
7) Trichlorofluoromethane	2.54	101	163684	20.072	ug/l	96
8) Diethyl Ether	2.89	74	46701	19.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.17	101	154076	18.586	ug/l	95
10) Methyl Iodide	3.33	142	221477	19.125	ug/l	100
11) Tert butyl alcohol	4.08	59	30833	90.898	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	133456	18.711	ug/l	96
13) Acrolein	3.06	56	41503	111.629	ug/l	98
14) Allyl chloride	3.65	41	191112	18.920	ug/l	97
15) Acrylonitrile	4.22	53	110733	92.823	ug/l	98
16) Acetone	3.24	43	117000	76.689	ug/l	100
17) Carbon Disulfide	3.39	76	458962	19.359	ug/l	99
18) Methyl Acetate	3.66	43	53242	18.480	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	237335	18.884	ug/l	98
20) Methylene Chloride	3.83	84	151840	17.551	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	154291	19.327	ug/l	90
22) Diisopropyl ether	5.14	45	405453	19.056	ug/l	98
23) Vinyl Acetate	5.07	43	1034958	91.118	ug/l	100
24) 1,1-Dichloroethane	5.00	63	225086	18.127	ug/l	100
25) 2-Butanone	6.09	43	156551	88.802	ug/l	100
26) 2,2-Dichloropropane	6.05	77	201485	19.132	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	164595	19.173	ug/l	97
28) Bromochloromethane	6.46	49	95469	18.367	ug/l	95
29) Tetrahydrofuran	6.48	42	74943	85.406	ug/l	97
30) Chloroform	6.69	83	247505	18.695	ug/l	99
31) Cyclohexane	6.97	56	191635	19.014	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	220915	18.844	ug/l	99
36) 1,1-Dichloropropene	7.16	75	185442	19.380	ug/l	100
37) Ethyl Acetate	6.20	43	71037	17.826	ug/l #	94
38) Carbon Tetrachloride	7.13	117	211606	18.711	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	203880	20.556	ug/l	96
40) Benzene	7.48	78	469431	19.734	ug/l	99
41) Methacrylonitrile	6.46	41	85922	18.490	ug/l	99
42) 1,2-Dichloroethane	7.60	62	143395	19.345	ug/l	99
43) Isopropyl Acetate	9.26	43	112523	19.520	ug/l #	98
44) Trichloroethene	8.56	130	163384	19.004	ug/l	98
45) 1,2-Dichloropropane	8.96	63	115438	19.675	ug/l	97
46) Dibromomethane	9.08	93	77397	19.240	ug/l	98
47) Bromodichloromethane	9.40	83	184429	19.564	ug/l	99
48) Methyl methacrylate	9.14	41	57556	18.706	ug/l	99
49) 1,4-Dioxane	9.09	88	12314	364.766	ug/l #	83
51) 4-Methyl-2-Pentanone	10.32	43	332604	96.922	ug/l	98
52) Toluene	10.53	92	296509	20.385	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	151444	18.487	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	187866	18.780	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	97342	20.157	ug/l	98
56) Ethyl methacrylate	11.06	69	103406	20.067	ug/l	98
57) 1,3-Dichloropropane	11.42	76	139676	19.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	291590	108.768	ug/l	100
59) 2-Hexanone	11.55	43	229808	92.204	ug/l	97
60) Dibromochloromethane	11.70	129	150615	19.912	ug/l	100
61) 1,2-Dibromoethane	11.82	107	111919	19.835	ug/l	97
64) Tetrachloroethene	11.28	164	139081	20.316	ug/l	98
65) Chlorobenzene	12.42	112	375746	20.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	144829	20.408	ug/l	94
67) Ethyl Benzene	12.54	91	594278	21.214	ug/l	98
68) m/p-Xylenes	12.68	106	443539	40.562	ug/l	98
69) o-Xylene	13.07	106	206204	20.332	ug/l	99
70) Styrene	13.09	104	352084	20.455	ug/l	99
71) Bromoform	13.25	173	80415	18.517	ug/l	98
73) Isopropylbenzene	13.42	105	550142	18.980	ug/l	99
74) N-amyl acetate	13.28	43	138557	18.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	108797	19.355	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	105229	18.987	ug/l	100
77) Bromobenzene	13.69	156	154941	19.137	ug/l	99
78) n-propylbenzene	13.79	91	678828	20.758	ug/l	100
79) 2-Chlorotoluene	13.85	91	397925	20.941	ug/l	99
80) 1,3,5-Trimethylbenzene	14.26	105	472681	20.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	31369	17.935	ug/l	92
82) 4-Chlorotoluene	13.96	91	433182	20.810	ug/l	100
83) tert-Butylbenzene	14.21	119	509246	19.505	ug/l	99
84) 1,2,4-Trimethylbenzene	14.26	105	472681	20.671	ug/l	99
85) sec-Butylbenzene	14.39	105	620661	21.346	ug/l	99
86) p-Isopropyltoluene	14.50	119	517866	19.964	ug/l	99
87) 1,3-Dichlorobenzene	14.48	146	281855	19.639	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	255055	18.347	ug/l	99
89) n-Butylbenzene	14.82	91	464851	20.184	ug/l	96
90) Hexachloroethane	15.03	117	141521	20.348	ug/l	99
91) 1,2-Dichlorobenzene	14.83	146	232064	20.265	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.40	75	12970	18.466	ug/l	79

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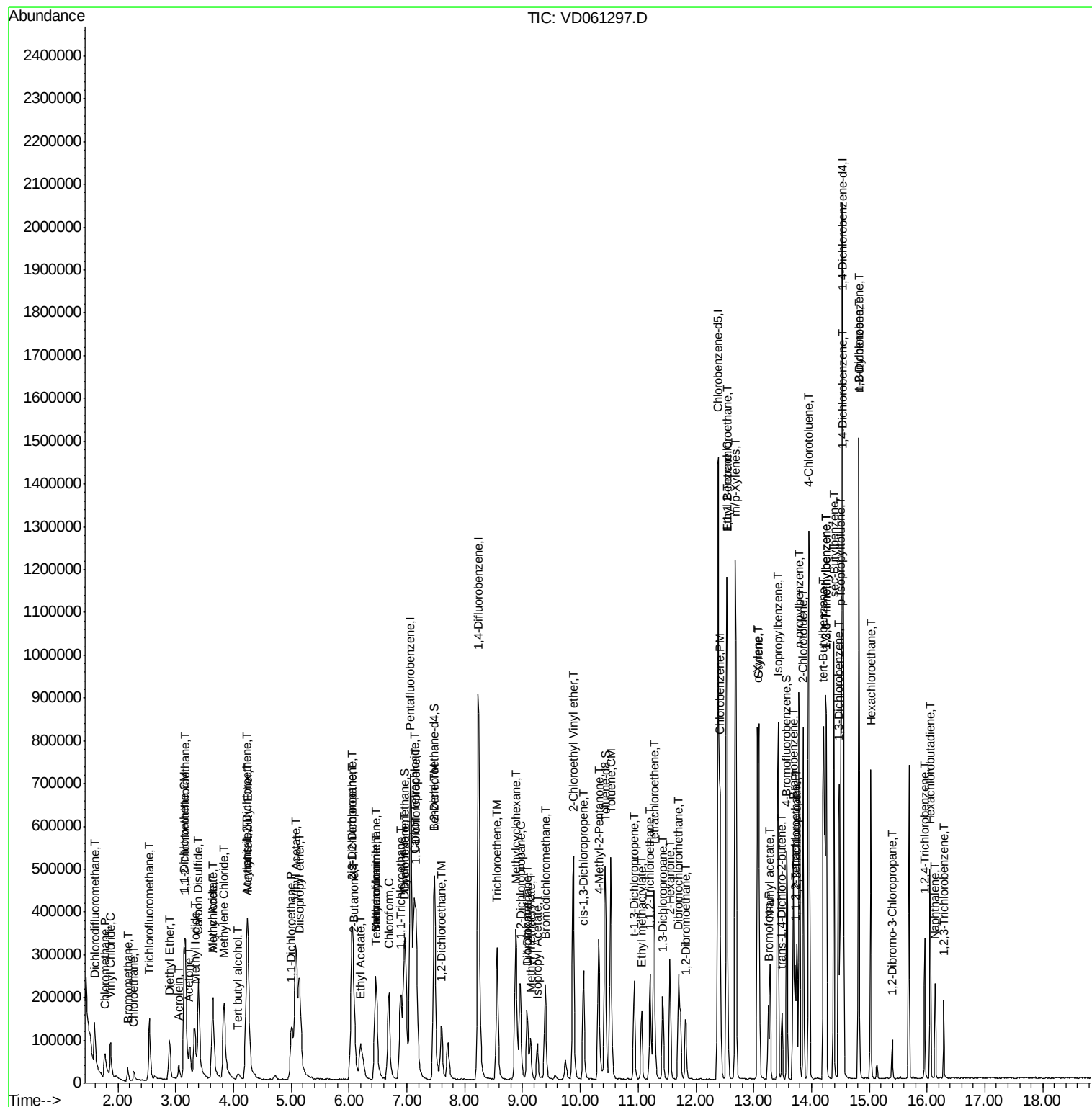
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	87037	16.457	ug/l	97
94) Hexachlorobutadiene	16.05	225	78847	18.501	ug/l	97
95) Naphthalene	16.14	128	130784	16.950	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	41831	16.935	ug/l	94

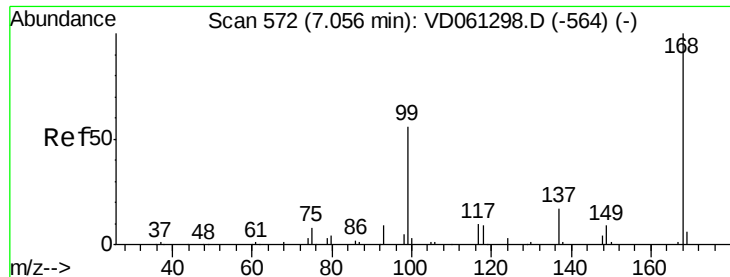
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

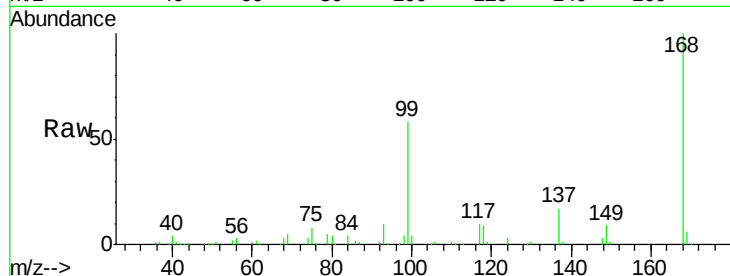
VSTDIC020

Tot Ion:168 Resp: 738383

Ion Ratio Lower Upper

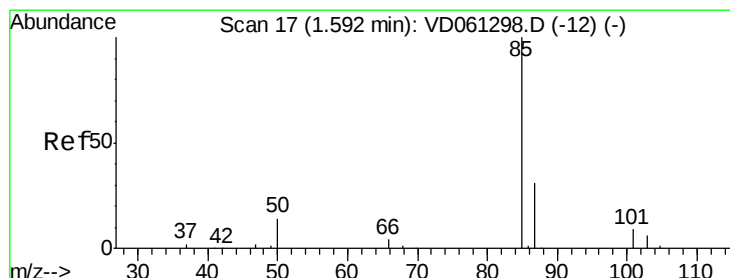
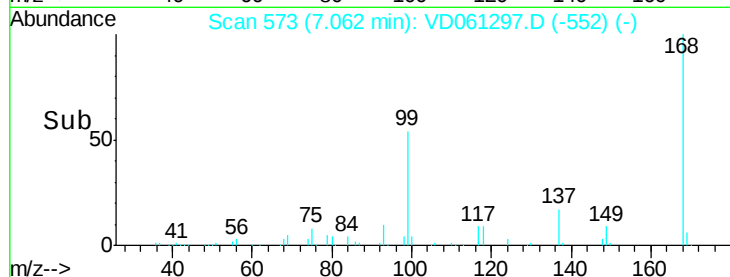
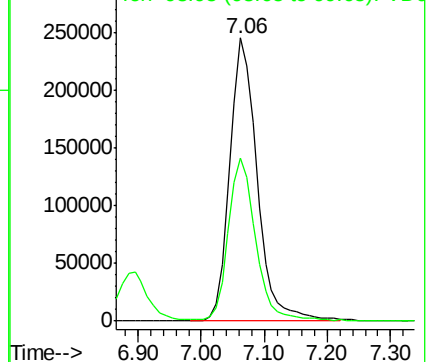
168 100

99 57.6 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: 19.366 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.01 min

Lab File: VD061297.D

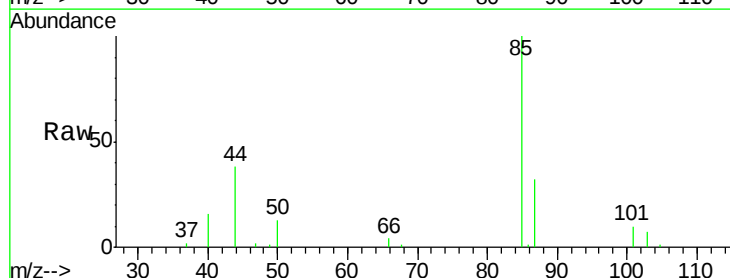
Acq: 25 Mar 2019 11:47

Tgt Ion: 85 Resp: 146290

Ion Ratio Lower Upper

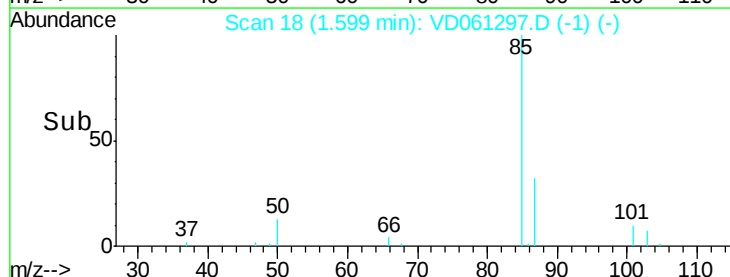
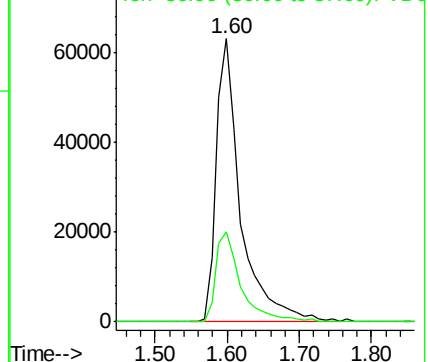
85 100

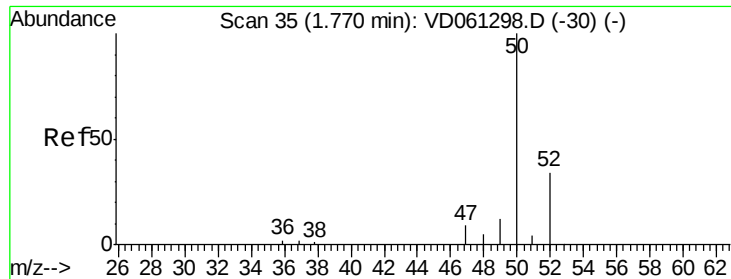
87 31.8 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.063 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

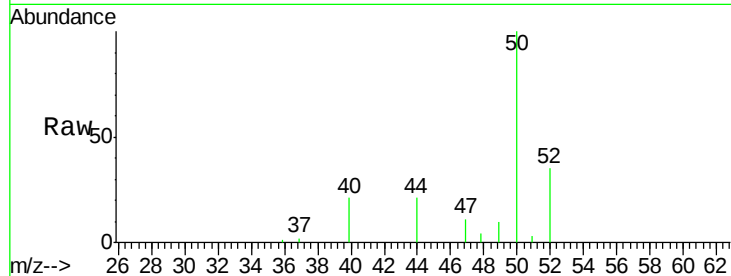
VSTDIC020

Tot Ion: 50 Resp: 112311

Ion Ratio Lower Upper

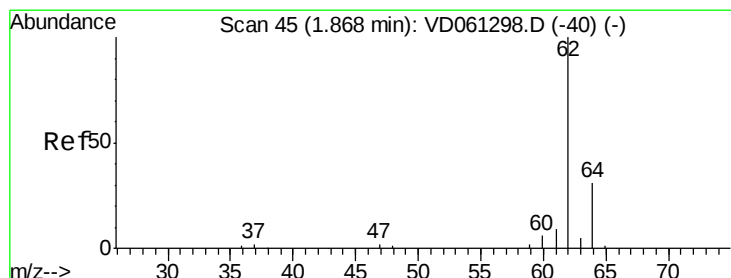
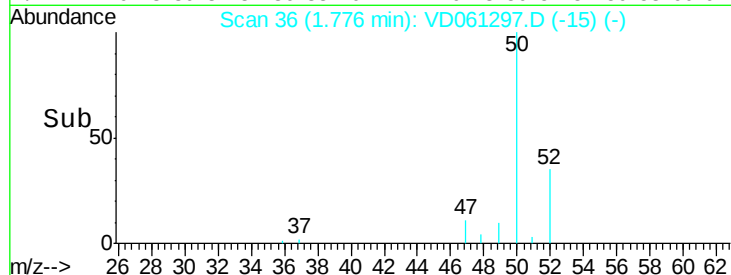
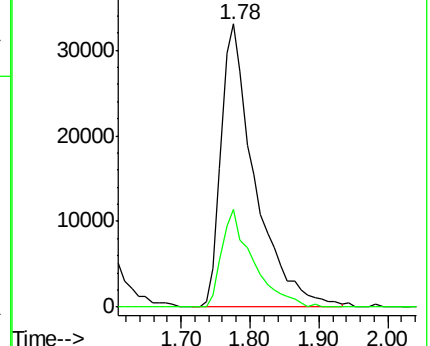
50 100

52 34.6 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.783 ug/l

RT: 1.87 min Scan# 46

Delta R.T. 0.01 min

Lab File: VD061297.D

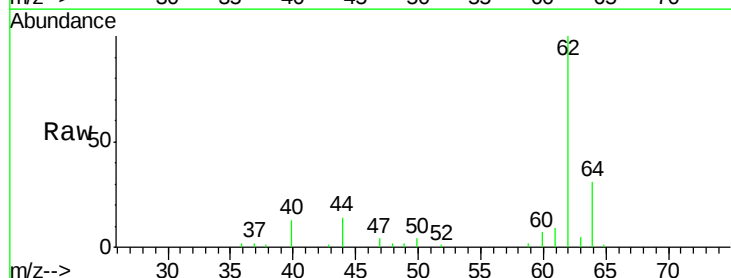
Acq: 25 Mar 2019 11:47

Tgt Ion: 62 Resp: 108964

Ion Ratio Lower Upper

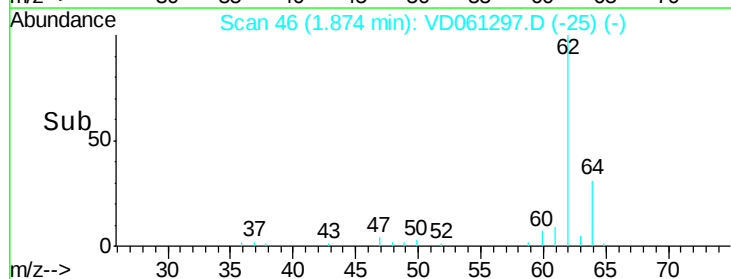
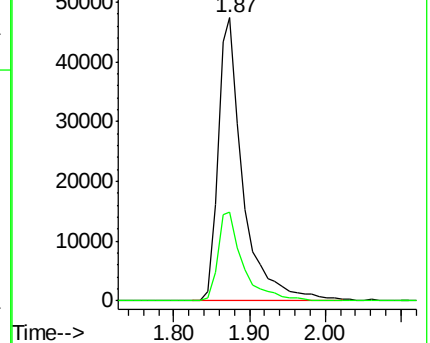
62 100

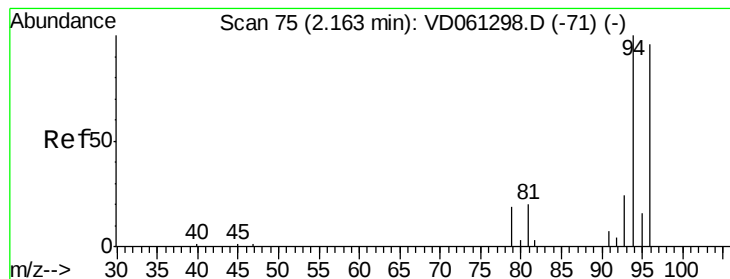
64 31.4 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.714 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061297.D

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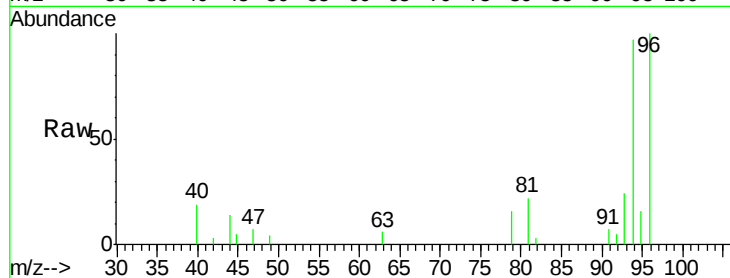
Tot Ion: 94 Resp: 19061

Ion Ratio Lower Upper

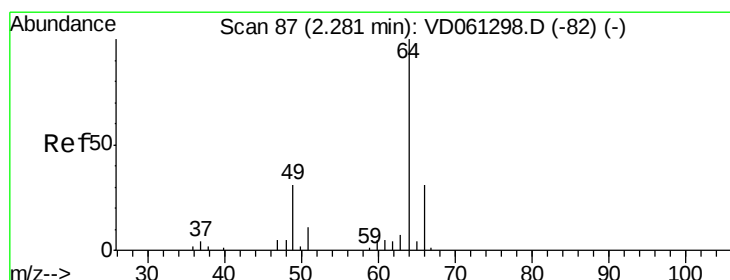
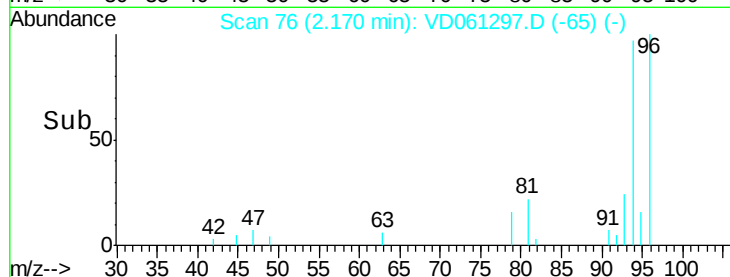
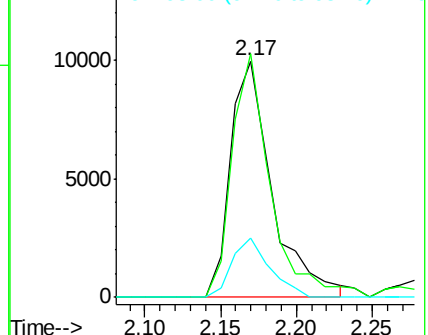
94 100

96 103.0 76.9 115.3

93 25.0 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: 14.997 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061297.D

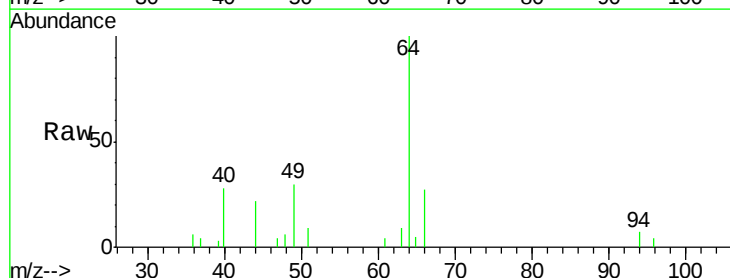
Acq: 25 Mar 2019 11:47

Tgt Ion: 64 Resp: 25997

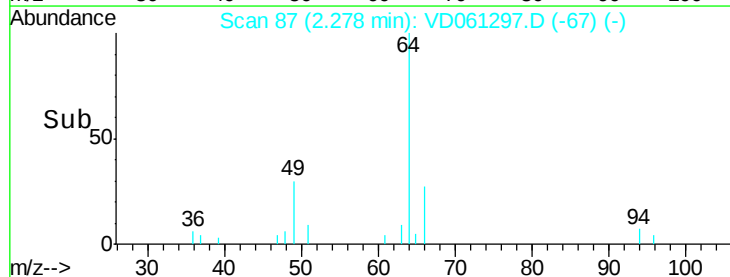
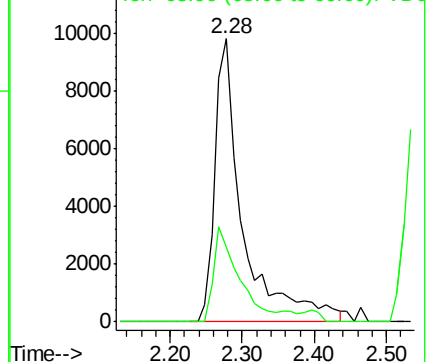
Ion Ratio Lower Upper

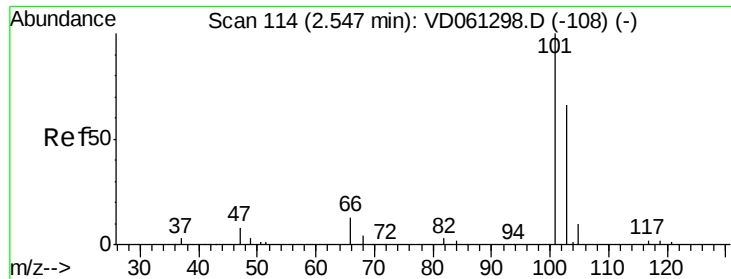
64 100

66 26.5 24.6 36.8



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



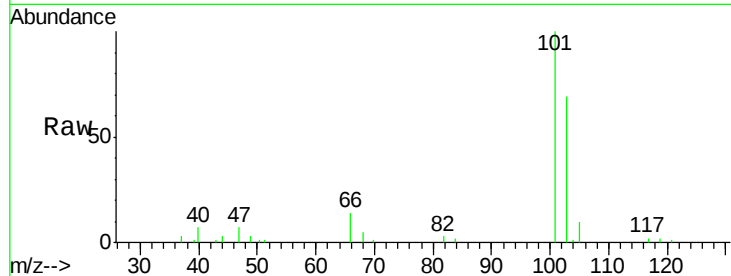


#7

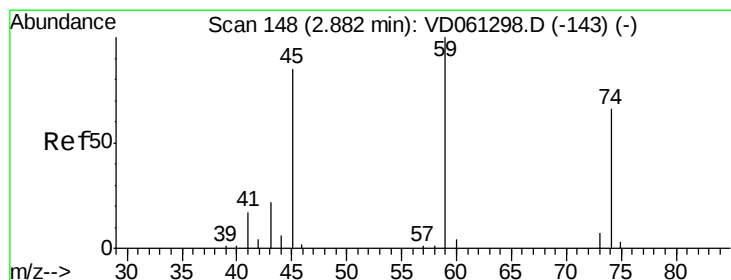
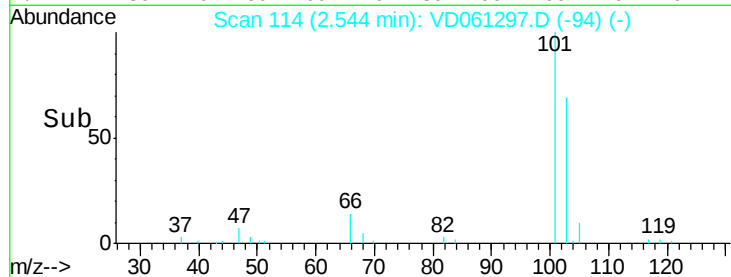
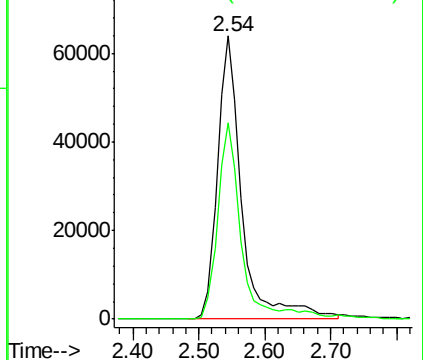
Trichlorofluoromethane
 Concen: 20.072 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061297.D
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Tot Ion:101 Resp: 163684
 Ion Ratio Lower Upper
 101 100
 103 69.2 52.6 79.0



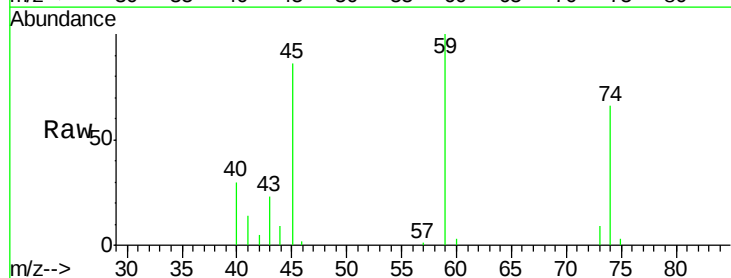
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



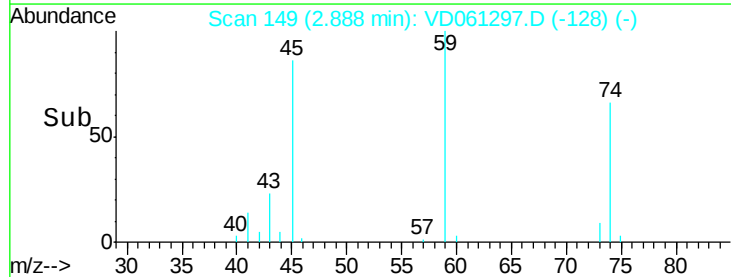
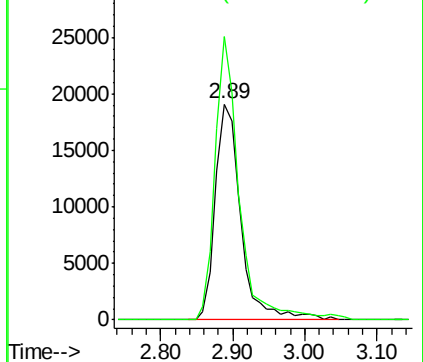
#8

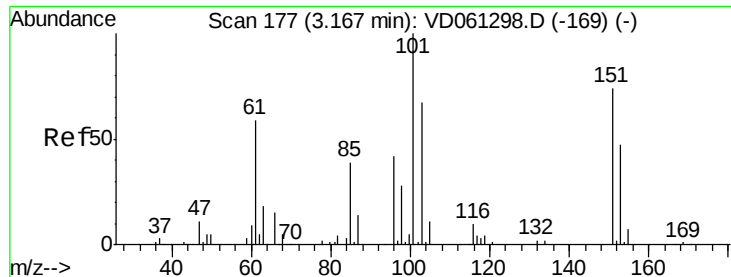
Diethyl Ether
 Concen: 19.284 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
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Tgt Ion: 74 Resp: 46701
 Ion Ratio Lower Upper
 74 100
 45 131.0 64.3 192.9



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: 18.586 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

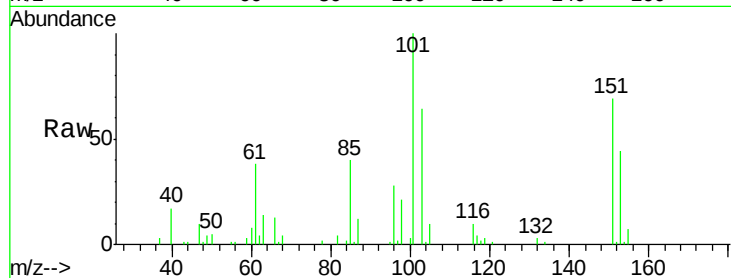
Tot Ion:101 Resp: 154076

Ion Ratio Lower Upper

101 100

85 40.5 31.6 47.4

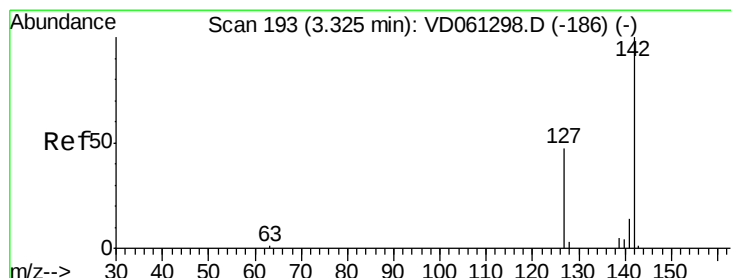
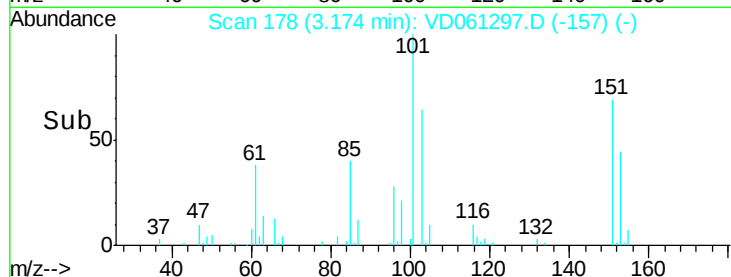
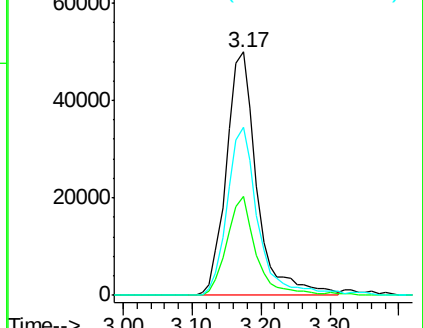
151 68.9 59.3 88.9



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: 19.125 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

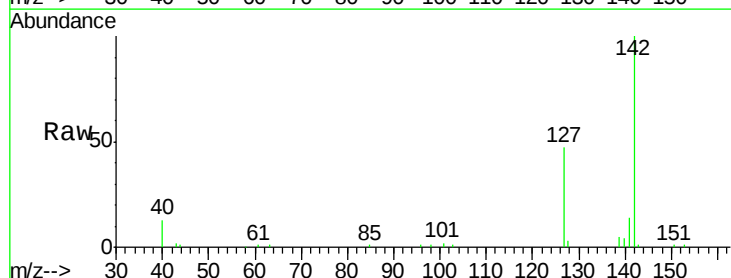
Tgt Ion:142 Resp: 221477

Ion Ratio Lower Upper

142 100

127 47.4 37.8 56.6

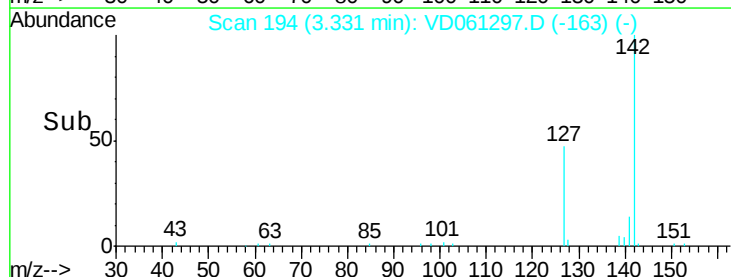
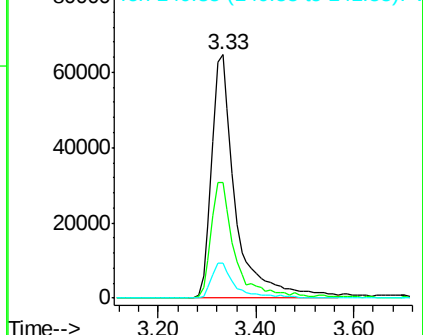
141 14.3 11.6 17.4

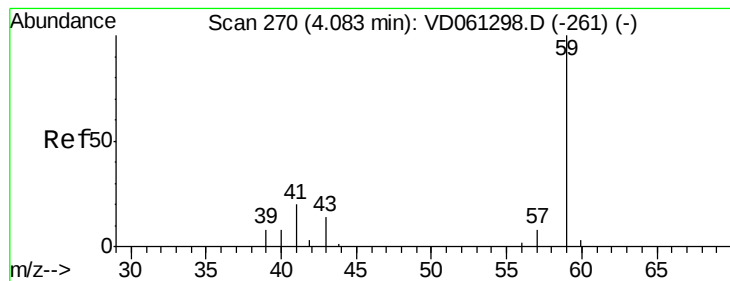


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



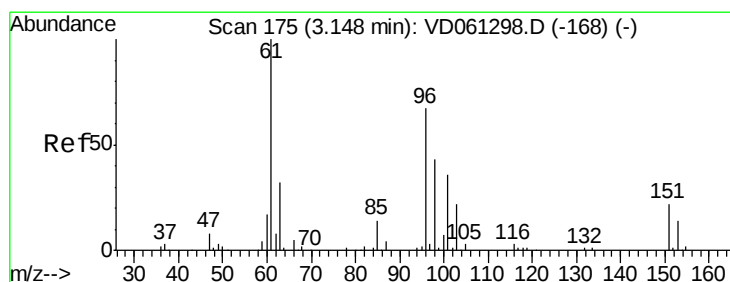
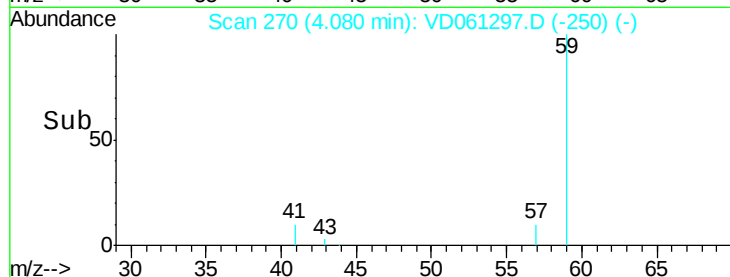
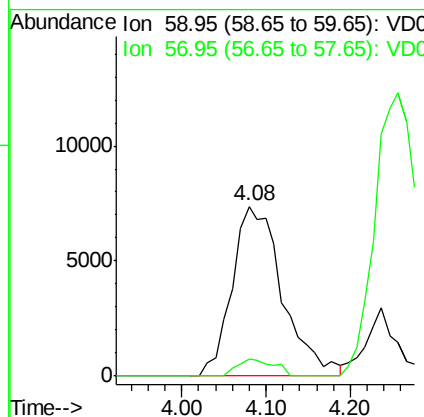
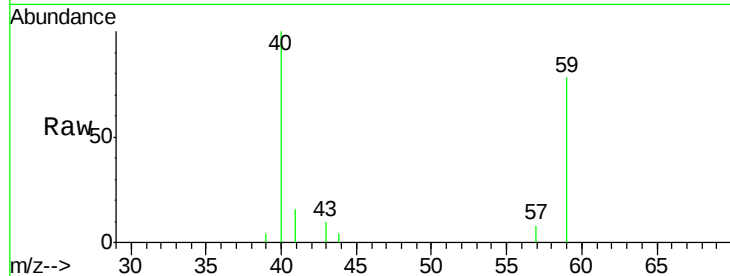


#11

Tert butyl alcohol
 Concen: 90.898 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

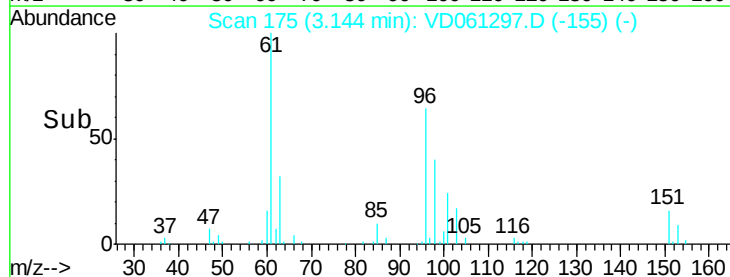
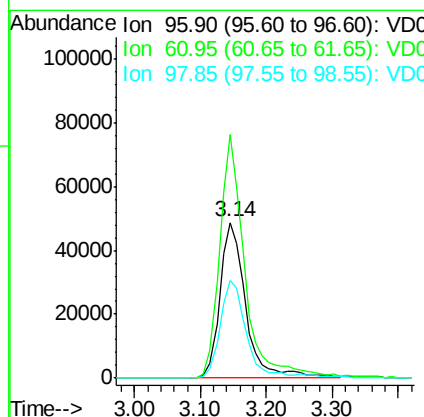
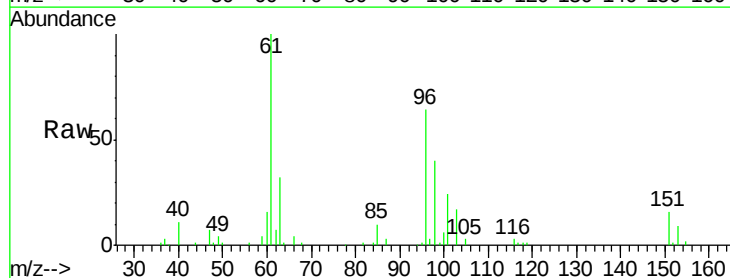
Tot Ion: 59 Resp: 30833
 Ion Ratio Lower Upper
 59 100
 57 10.0 6.6 9.8#

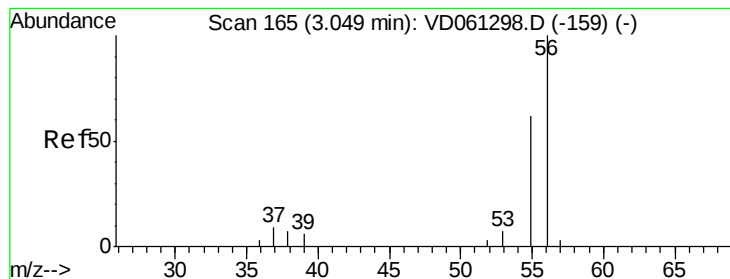


#12

1,1-Dichloroethene
 Concen: 18.711 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 96 Resp: 133456
 Ion Ratio Lower Upper
 96 100
 61 156.4 120.2 180.2
 98 62.6 52.2 78.4





#13

Acrolein

Concen: 111.629 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

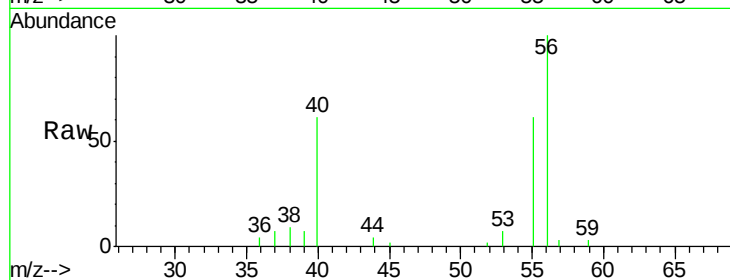
VSTDIC020

Tot Ion: 56 Resp: 41503

Ion Ratio Lower Upper

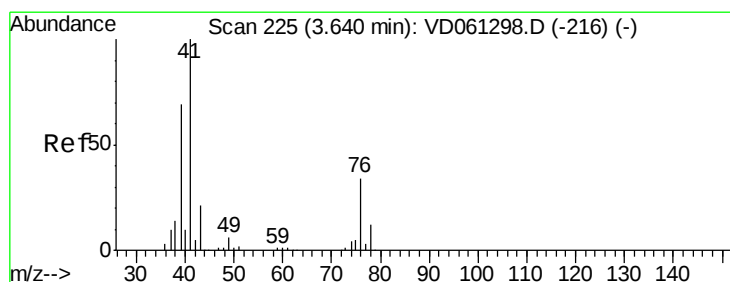
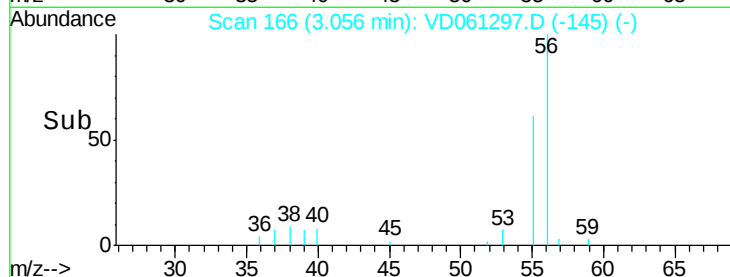
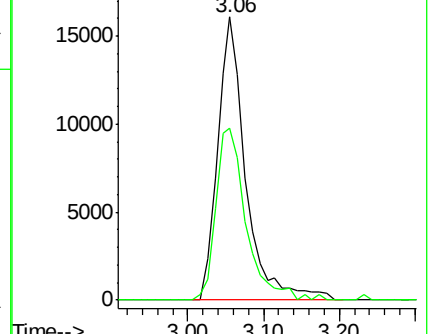
56 100

55 60.6 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: 18.920 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

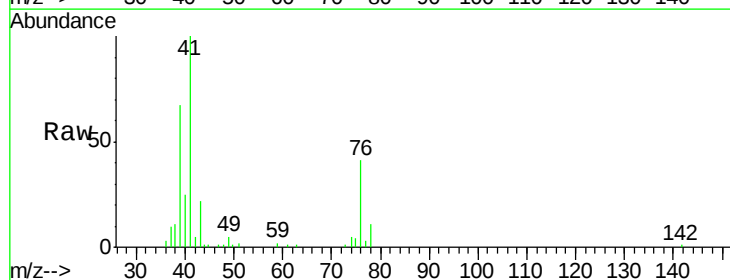
Tgt Ion: 41 Resp: 191112

Ion Ratio Lower Upper

41 100

39 67.0 55.1 82.7

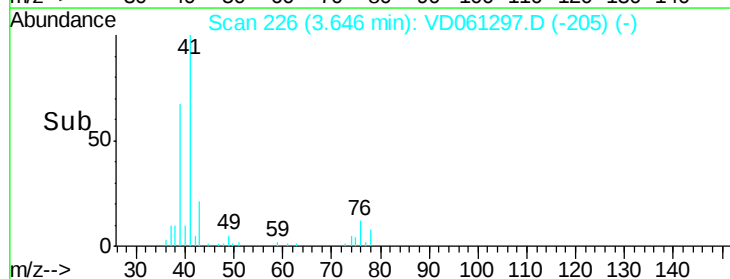
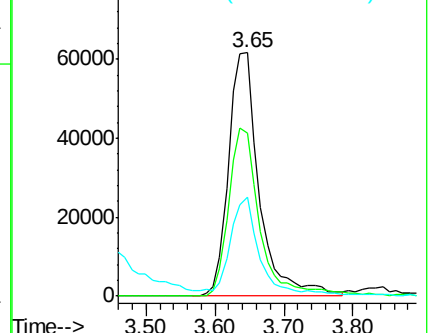
76 40.9 30.2 45.2

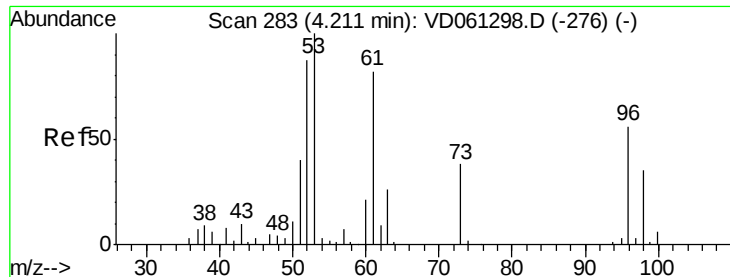


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 92.823 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

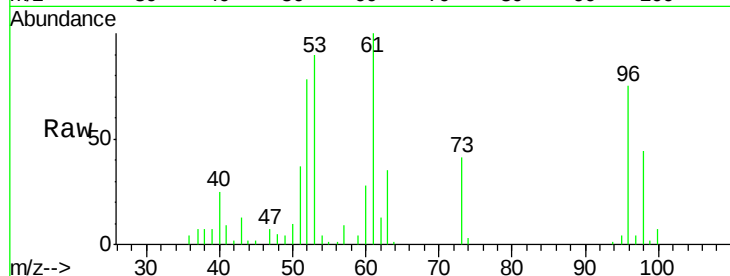
Tot Ion: 53 Resp: 110733

Ion Ratio Lower Upper

53 100

52 85.9 69.4 104.2

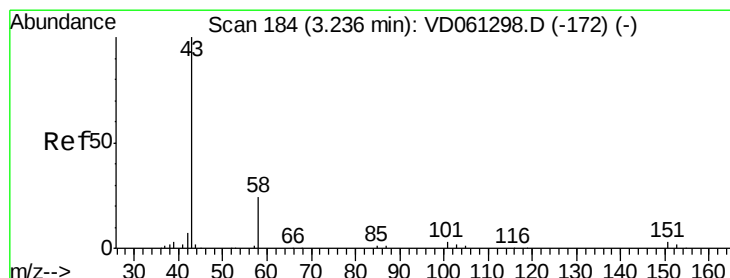
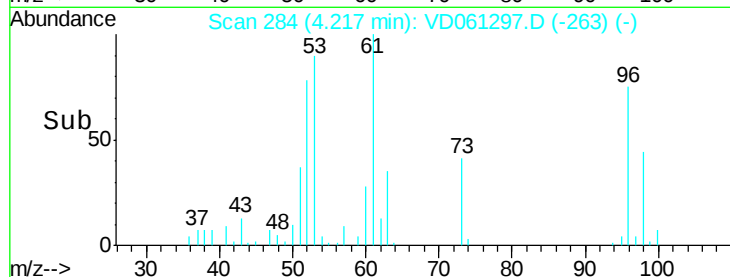
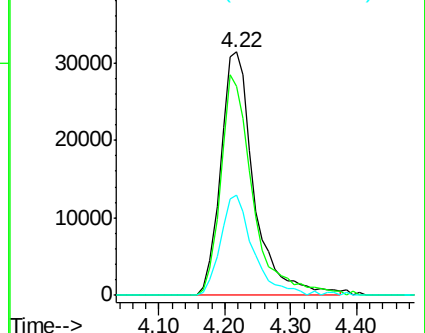
51 41.3 31.7 47.5



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: 76.689 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD061297.D

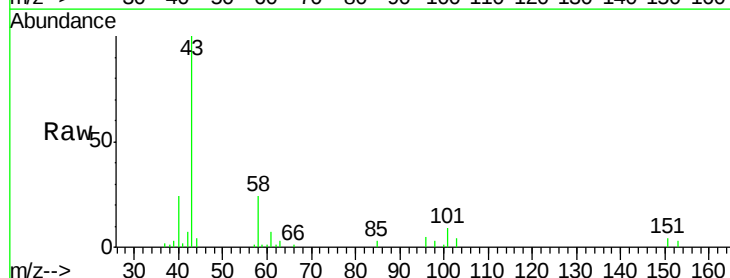
Acq: 25 Mar 2019 11:47

Tgt Ion: 43 Resp: 117000

Ion Ratio Lower Upper

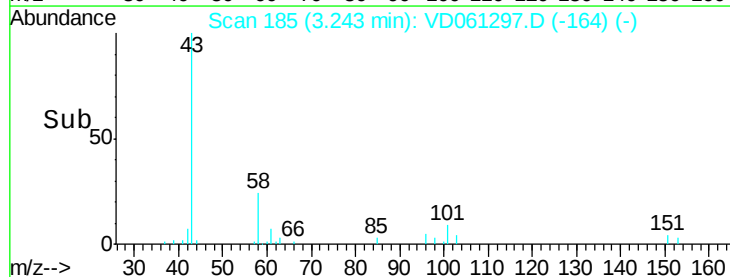
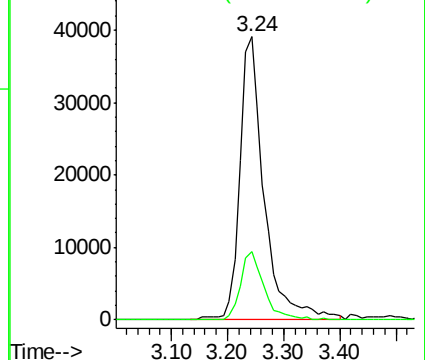
43 100

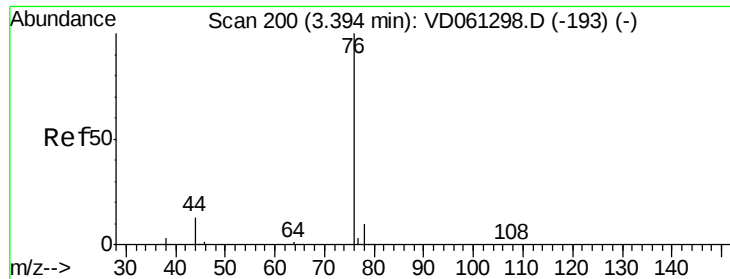
58 24.2 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

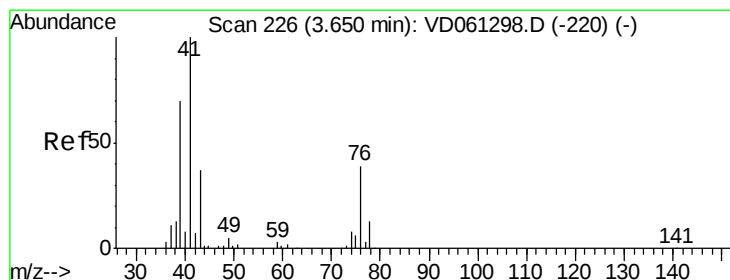
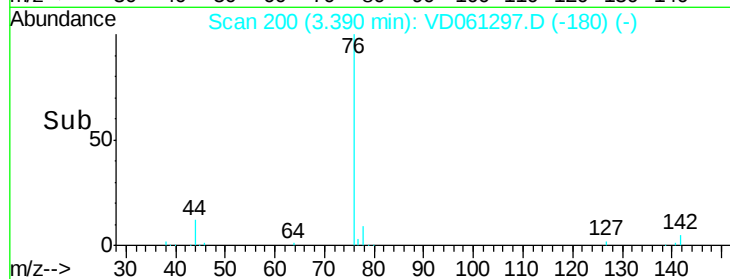
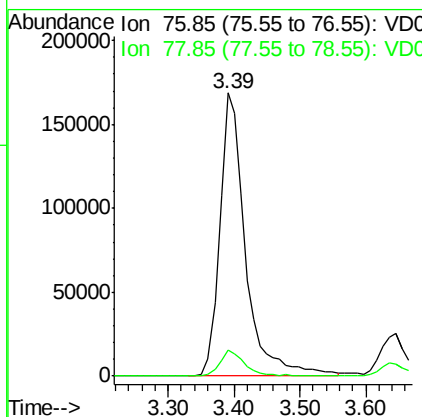
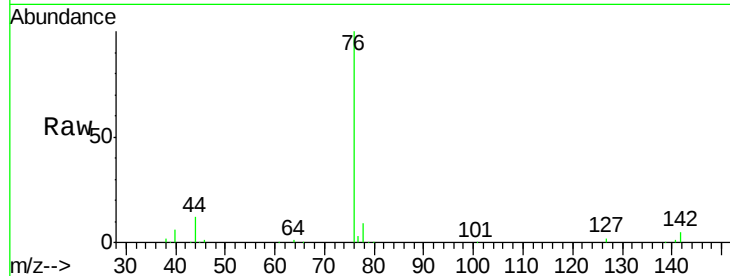




#17
Carbon Disulfide
Concen: 19.359 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

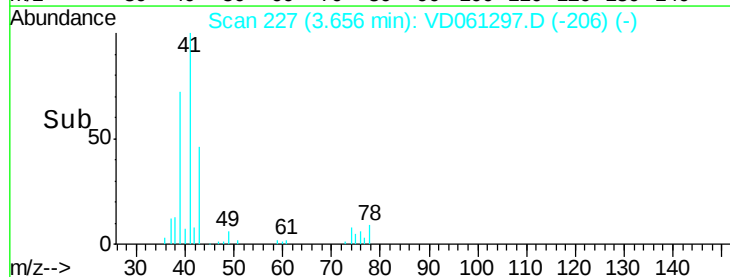
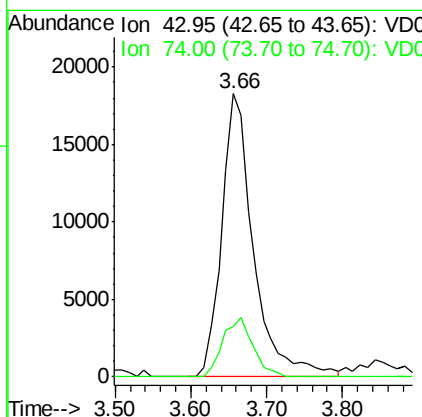
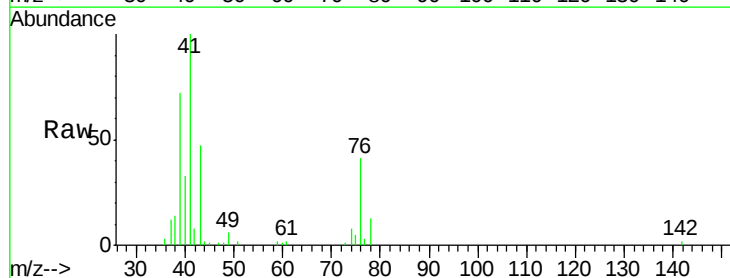
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

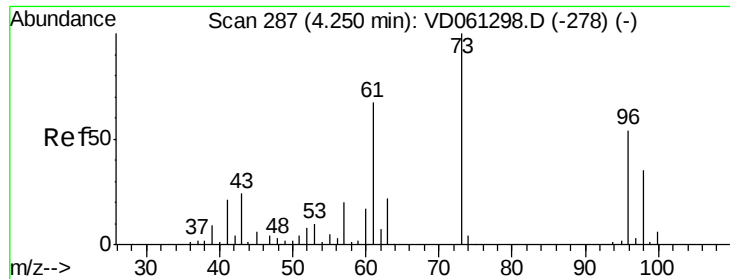
Tot Ion: 76 Resp: 458962
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 18.480 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 43 Resp: 53242
Ion Ratio Lower Upper
43 100
74 17.8 16.6 25.0

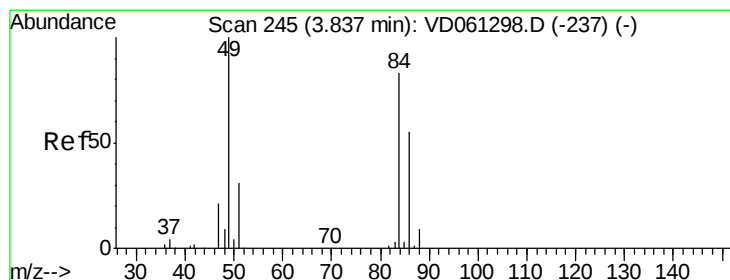
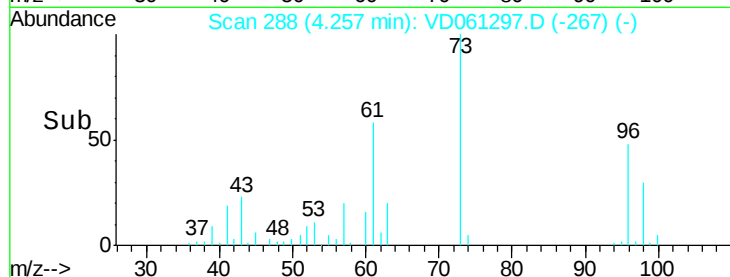
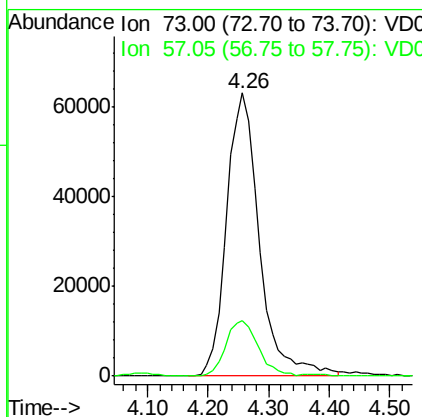
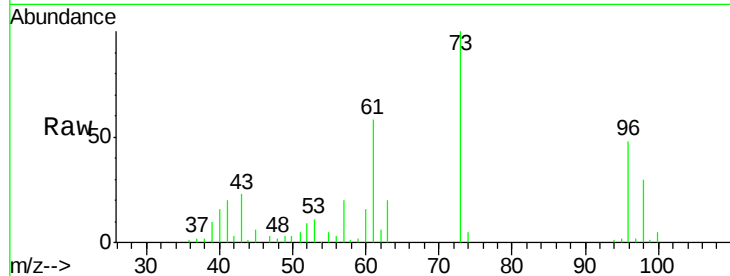




#19
Methvl tert-butvl Ether
Concen: 18.884 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

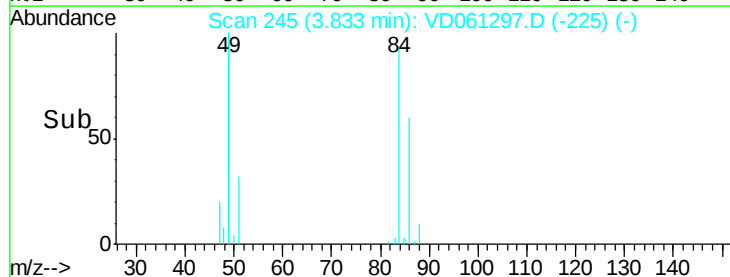
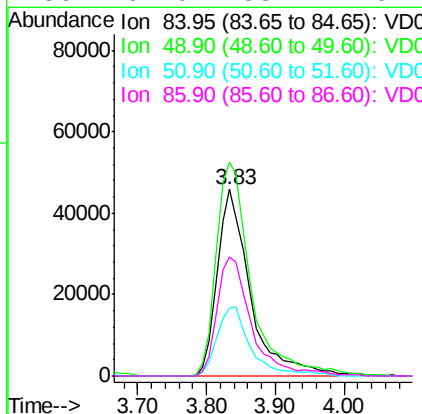
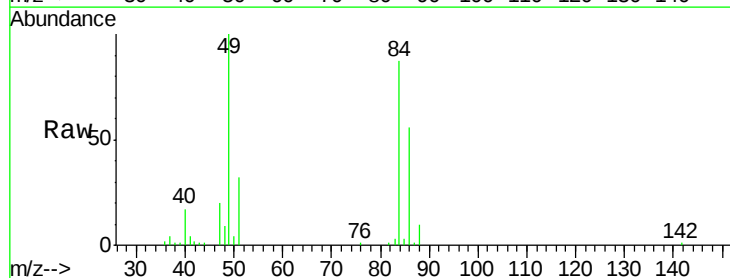
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

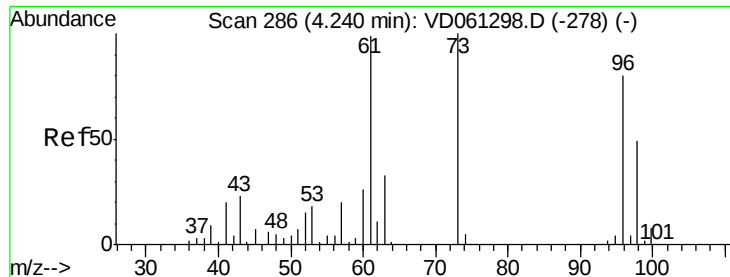
Tot Ion: 73 Resp: 237335
Ion Ratio Lower Upper
73 100
57 19.5 16.3 24.5



#20
Methylene Chloride
Concen: 17.551 ug/l
RT: 3.83 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 84 Resp: 151840
Ion Ratio Lower Upper
84 100
49 114.5 96.8 145.2
51 36.6 29.9 44.9
86 64.0 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.327 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

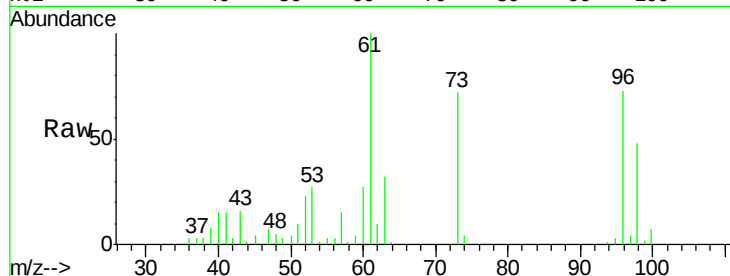
Tot Ion: 96 Resp: 154291

Ion Ratio Lower Upper

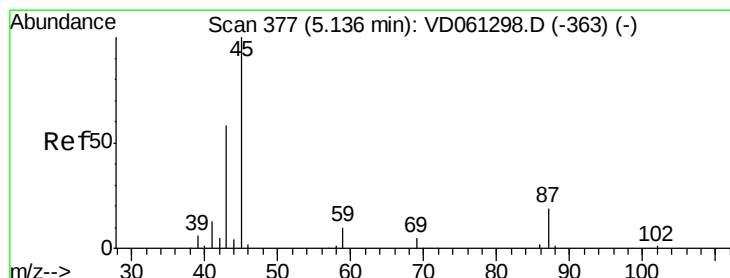
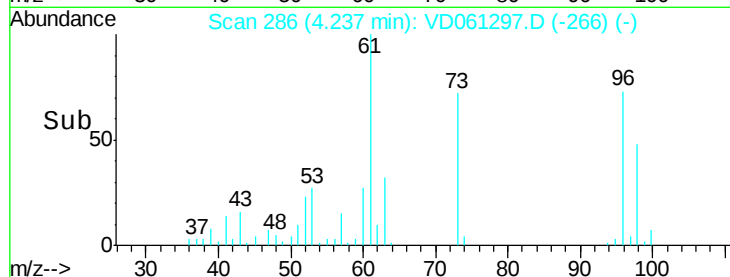
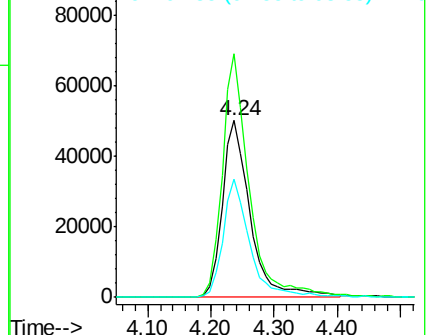
96 100

61 137.8 99.2 148.8

98 66.8 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: 19.056 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 45 Resp: 405453

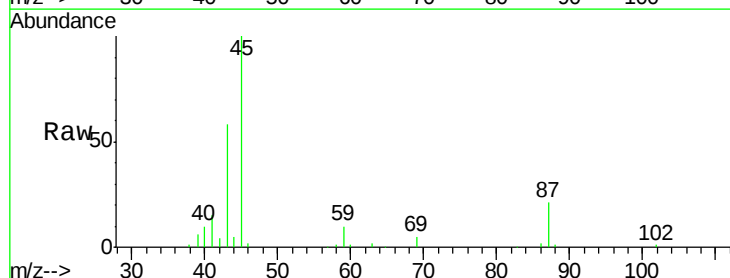
Ion Ratio Lower Upper

45 100

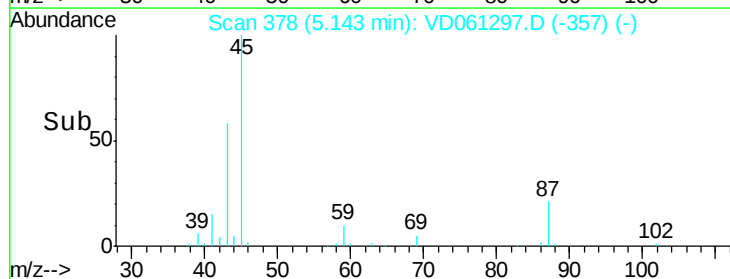
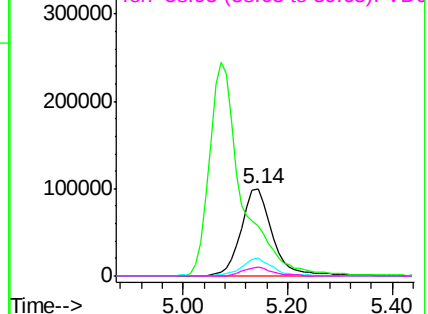
43 57.5 46.7 70.1

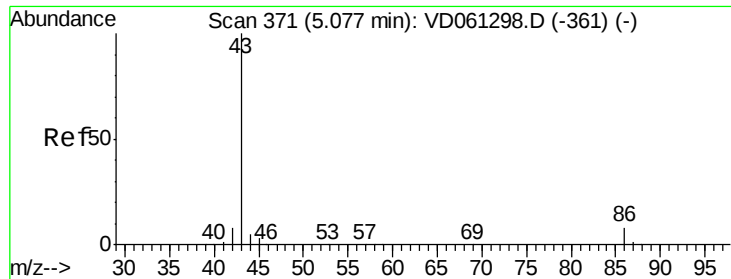
87 21.1 15.5 23.3

59 9.6 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: 91.118 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

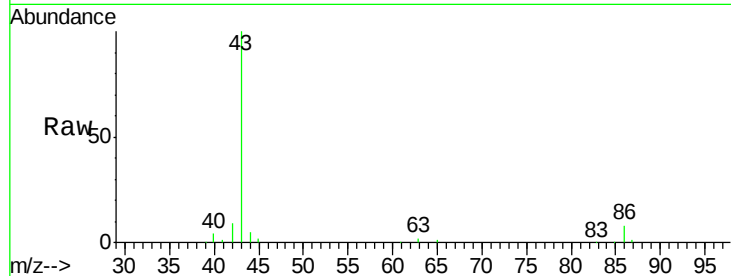
VSTDIC020

Tot Ion: 43 Resp: 1034958

Ion Ratio Lower Upper

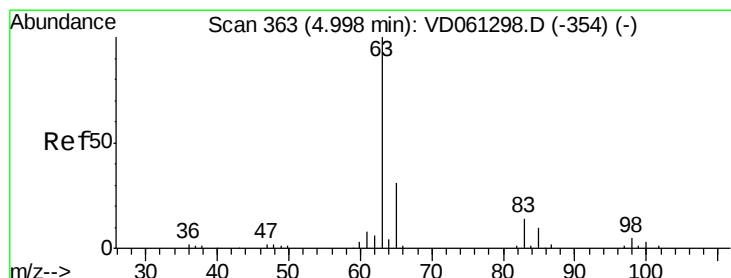
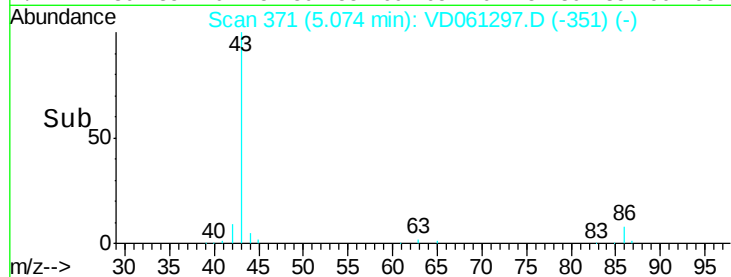
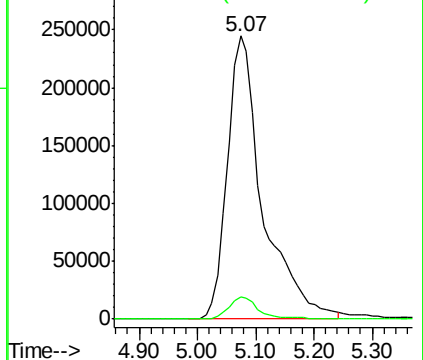
43 100

86 7.8 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.127 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

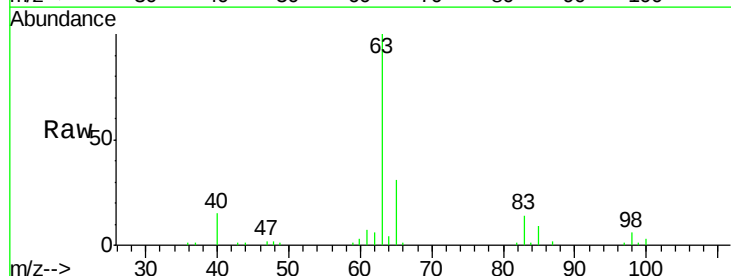
Tgt Ion: 63 Resp: 225086

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

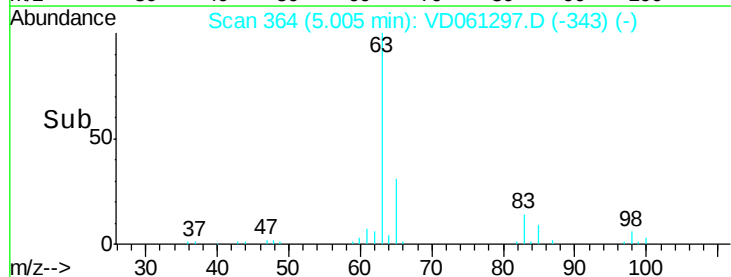
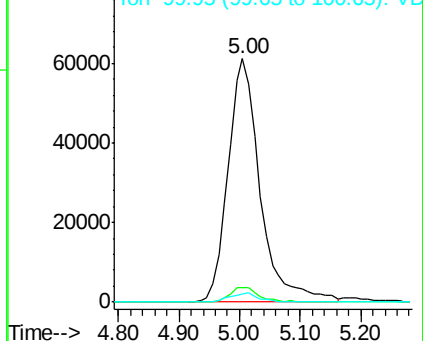
100 3.3 1.6 4.8

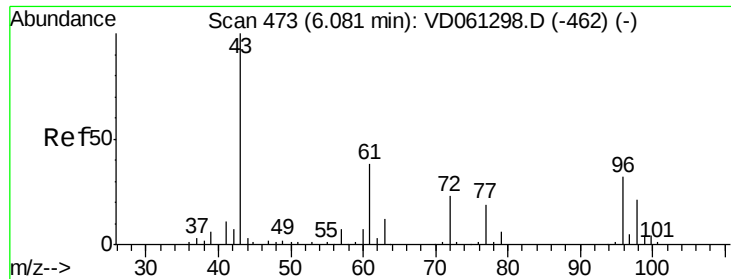


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 88.802 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

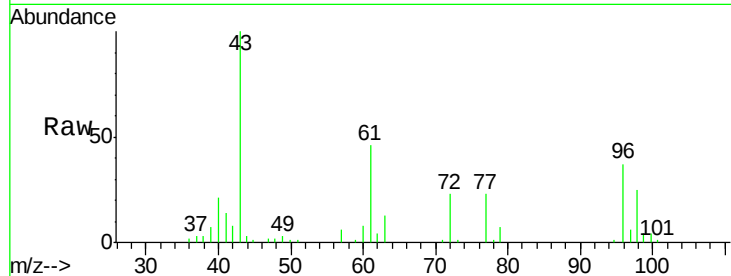
VSTDIC020

Tot Ion: 43 Resp: 156551

Ion Ratio Lower Upper

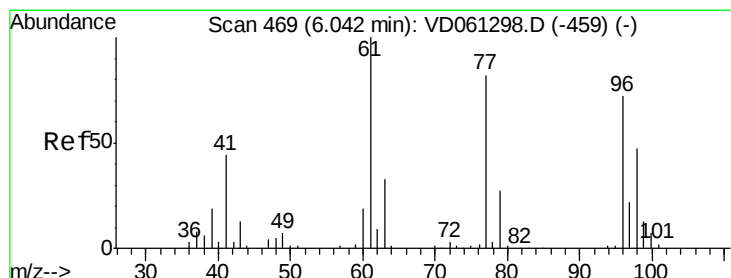
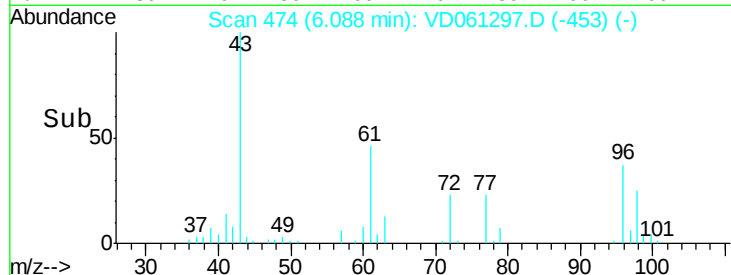
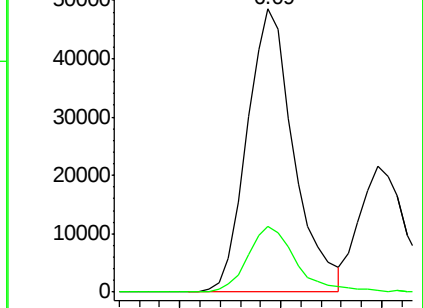
43 100

72 23.3 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: 19.132 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD061297.D

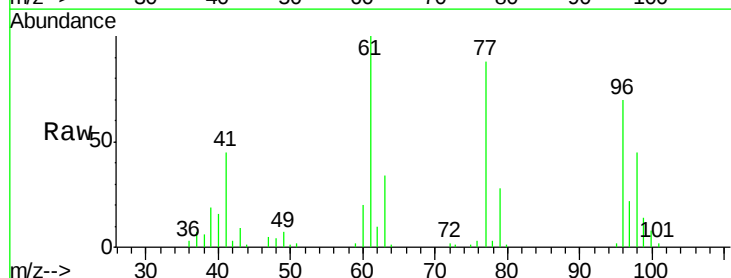
Acq: 25 Mar 2019 11:47

Tgt Ion: 77 Resp: 201485

Ion Ratio Lower Upper

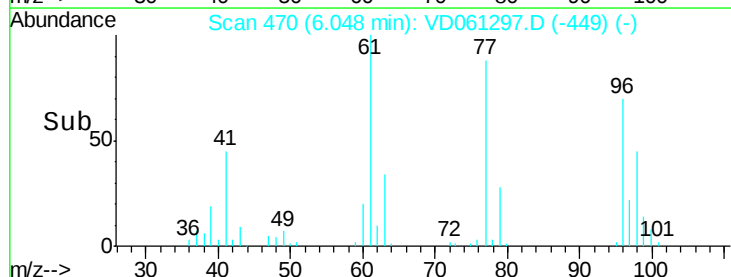
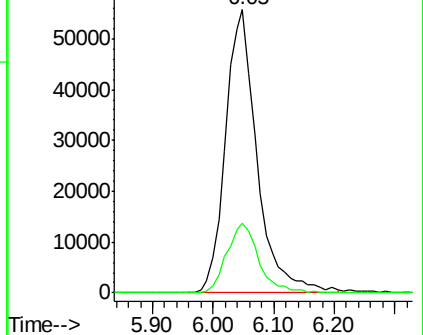
77 100

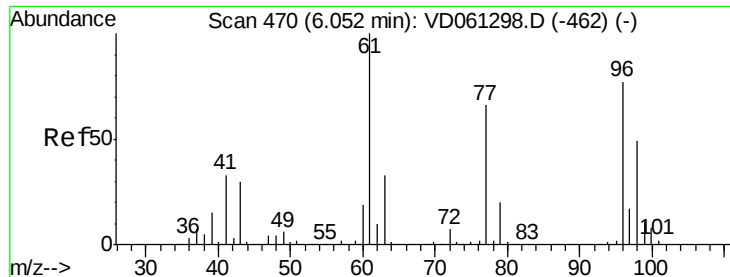
97 24.7 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



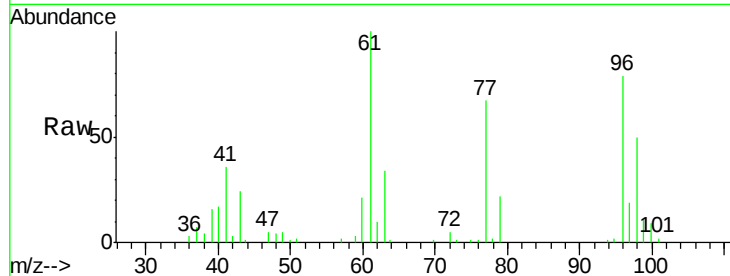


#27

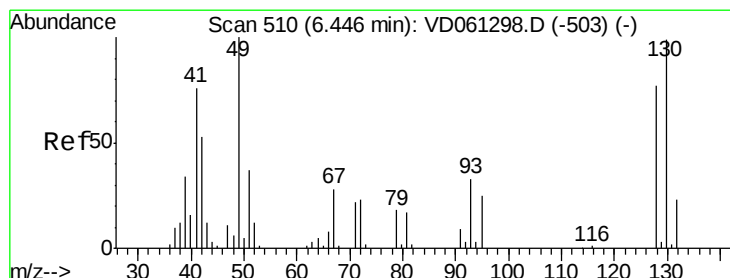
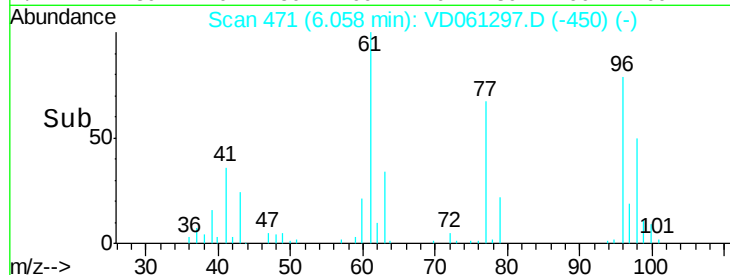
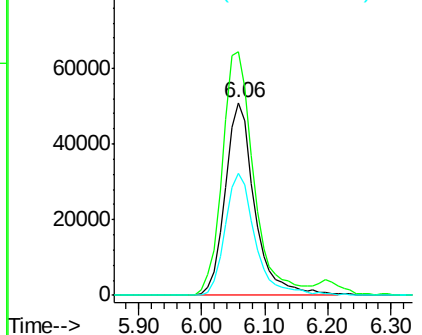
cis-1,2-Dichloroethene
 Concen: 19.173 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 164595
 Ion Ratio Lower Upper
 96 100
 61 126.2 0.0 261.0
 98 63.1 0.0 127.6



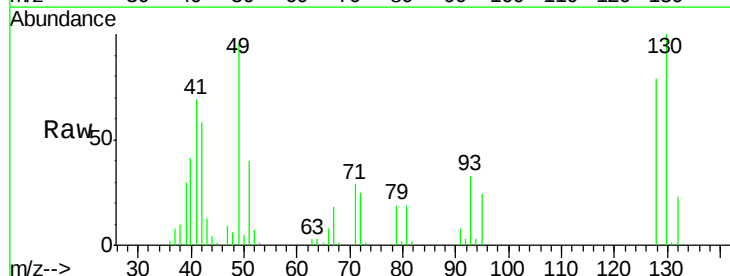
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



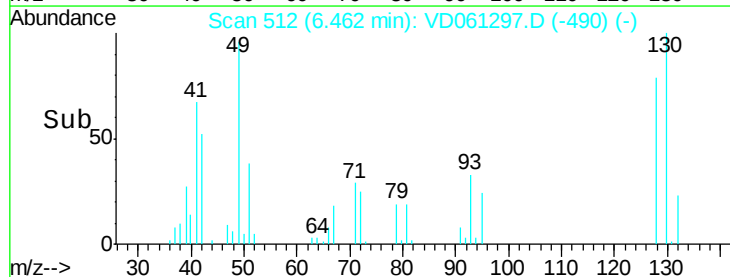
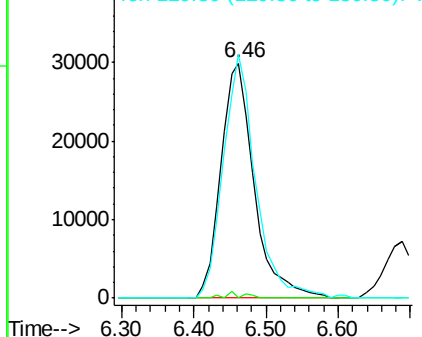
#28

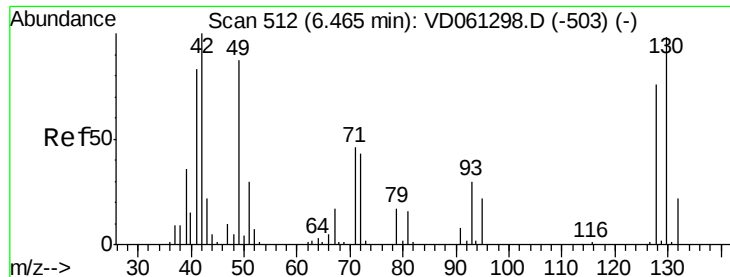
Bromochloromethane
 Concen: 18.367 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 49 Resp: 95469
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.2
 130 103.7 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

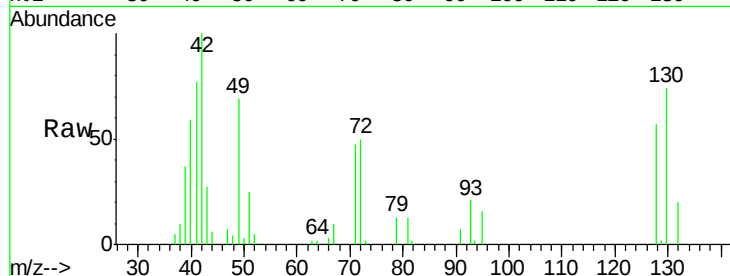




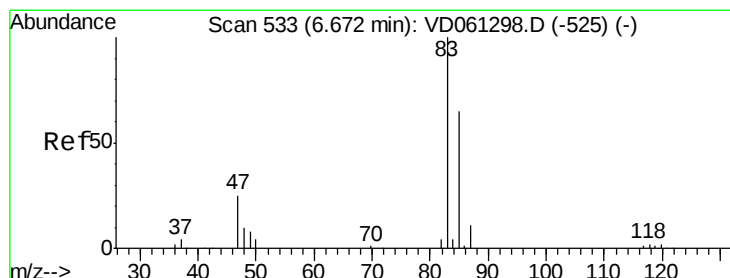
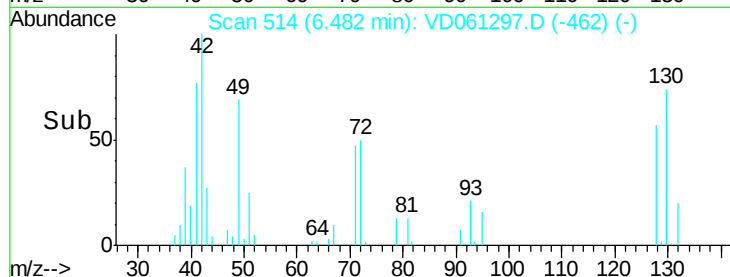
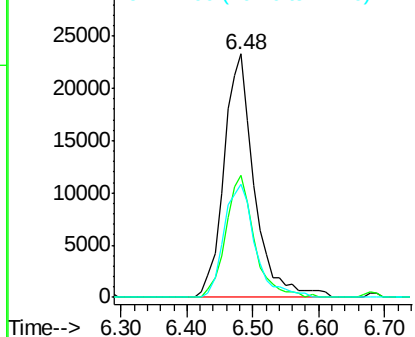
#29
Tetrahydrofuran
Concen: 85.406 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 74943
Ion Ratio Lower Upper
42 100
72 47.3 36.6 54.8
71 47.5 36.3 54.5

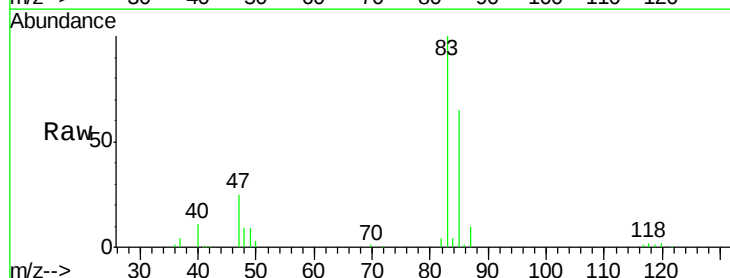


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

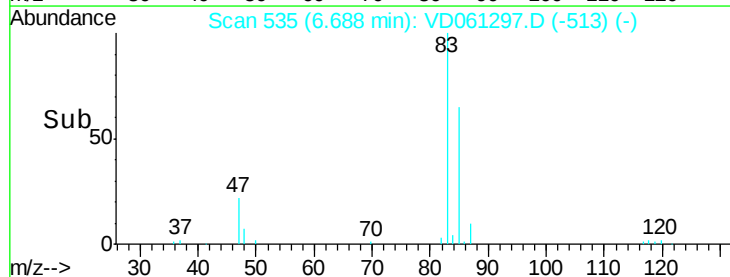
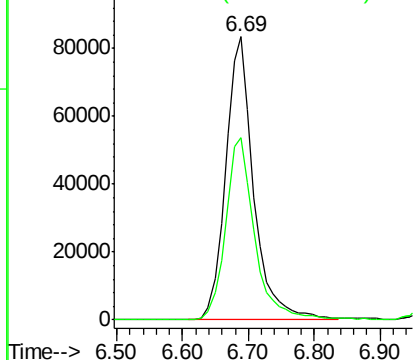


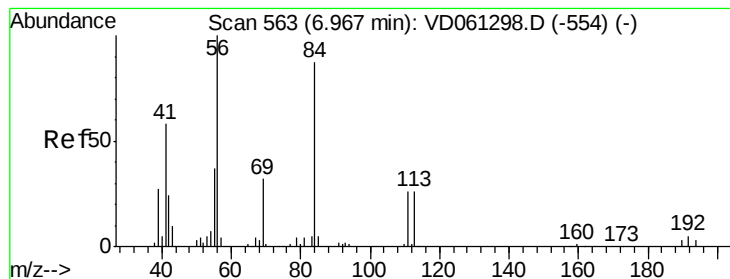
#30
Chloroform
Concen: 18.695 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 83 Resp: 247505
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2



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





#31

Cyclohexane

Concen: 19.014 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

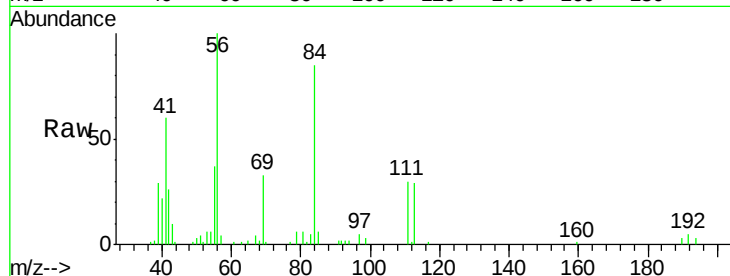
Tot Ion: 56 Resp: 191635

Ion Ratio Lower Upper

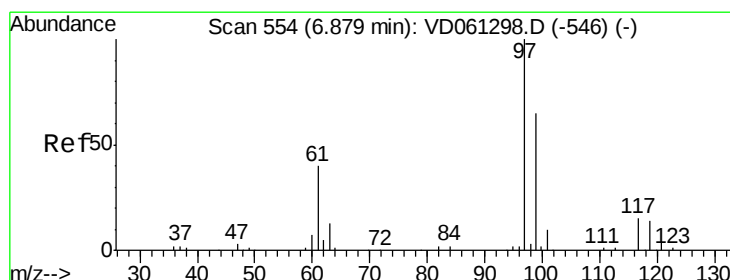
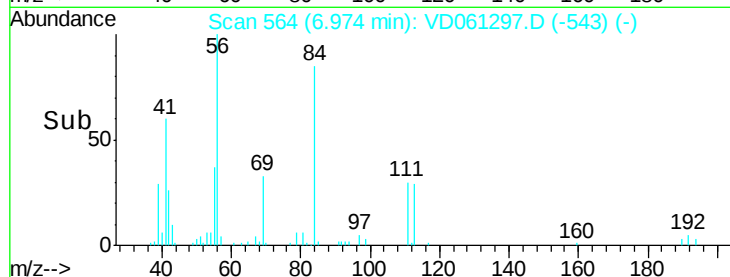
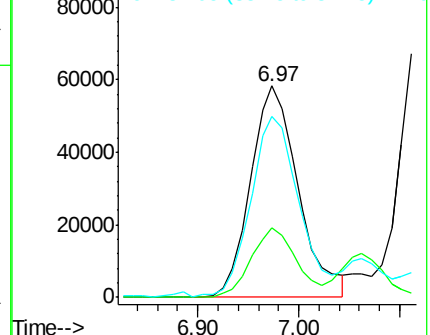
56 100

69 33.1 25.5 38.3

84 85.5 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: 18.844 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

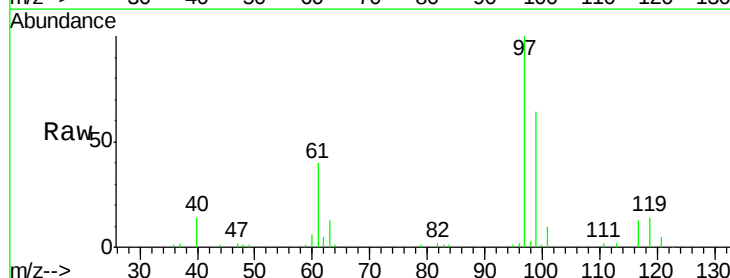
Tgt Ion: 97 Resp: 220915

Ion Ratio Lower Upper

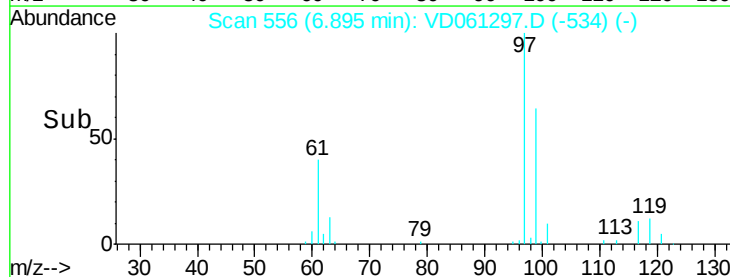
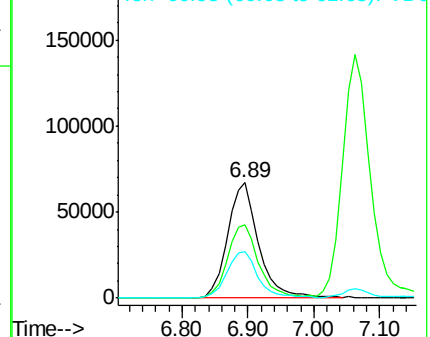
97 100

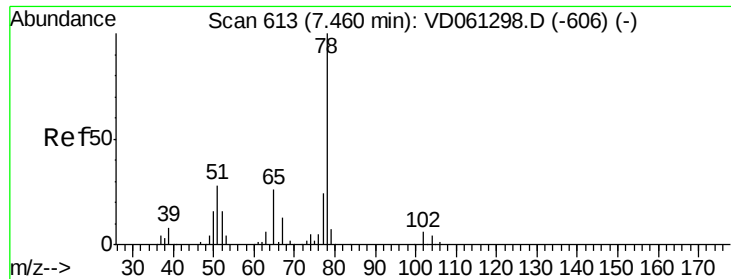
99 64.0 51.8 77.6

61 40.1 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

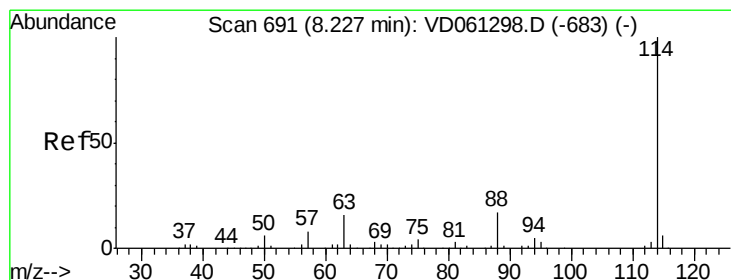
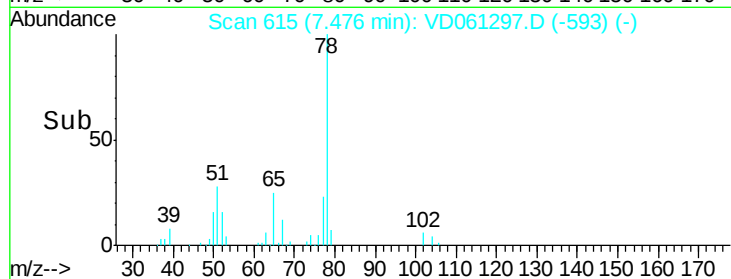
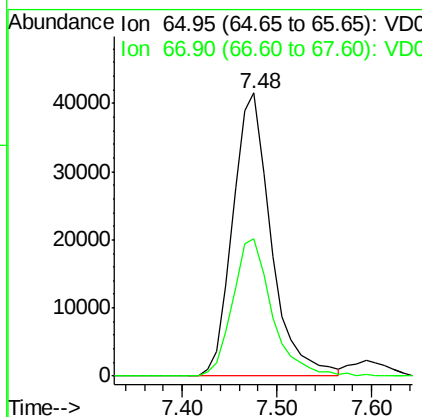
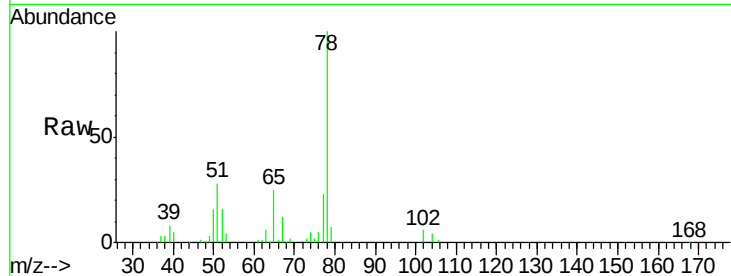




#33
 1,2-Dichloroethane-d4
 Concen: 18.844 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

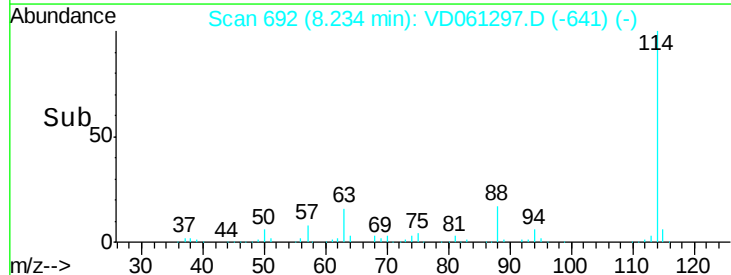
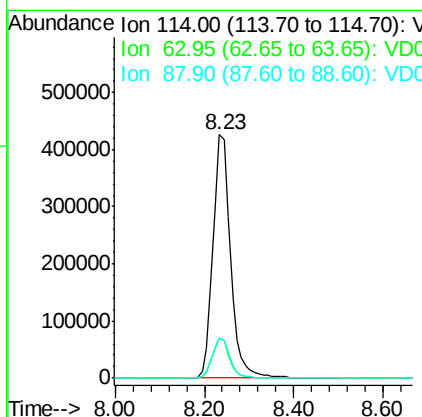
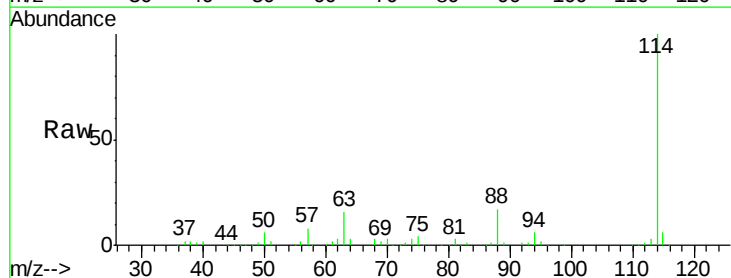
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

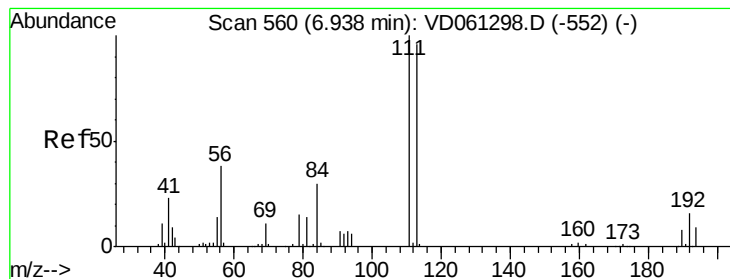
Tot Ion: 65 Resp: 116051
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 114 Resp: 1169927
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.4
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

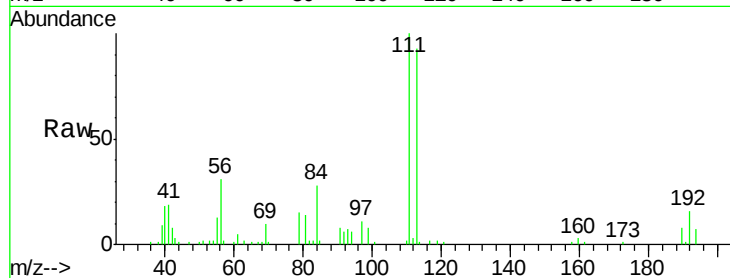
Tot Ion:113 Resp: 169727

Ion Ratio Lower Upper

113 100

111 107.4 83.7 125.5

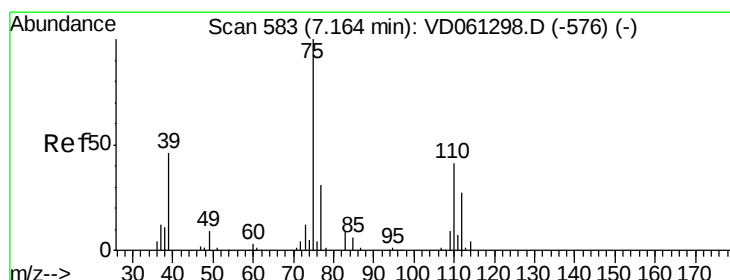
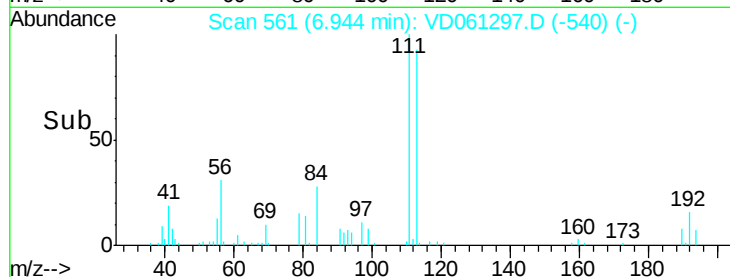
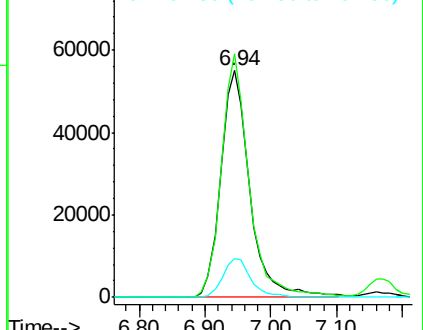
192 17.2 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.380 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

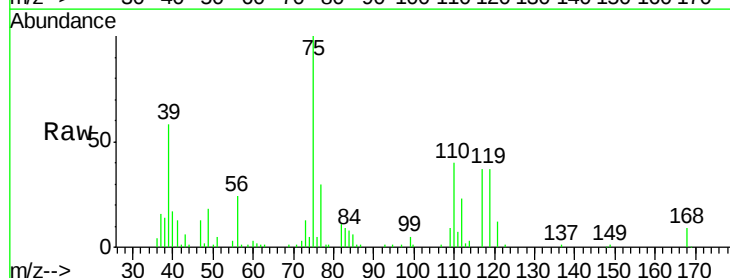
Tgt Ion: 75 Resp: 185442

Ion Ratio Lower Upper

75 100

110 39.8 20.1 60.2

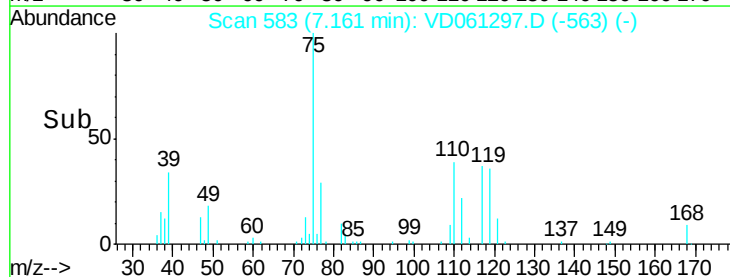
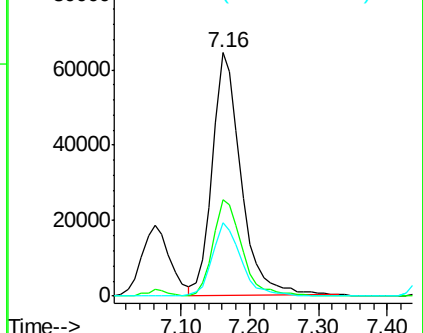
77 30.4 24.3 36.5

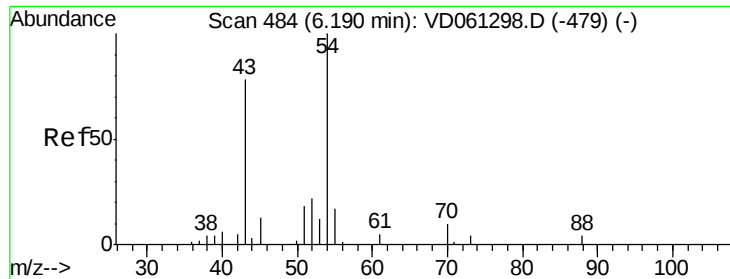


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

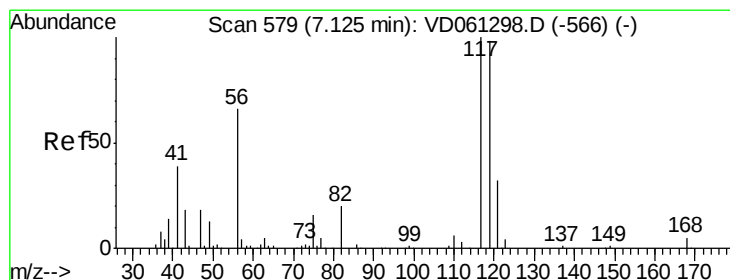
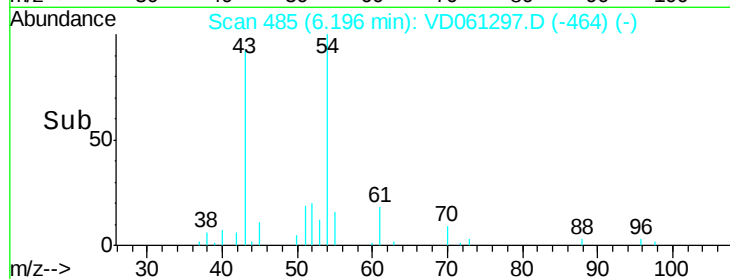
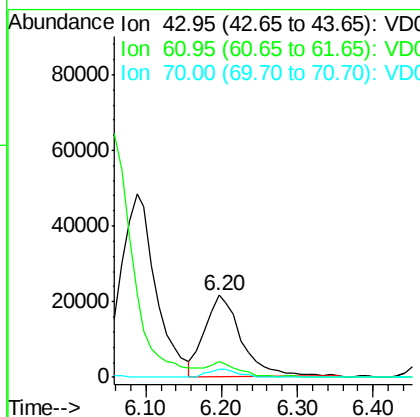
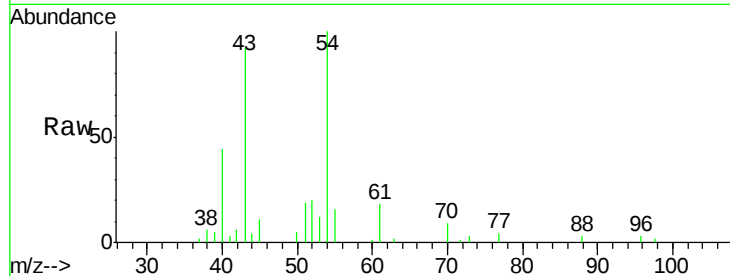




#37
Ethyl Acetate
Concen: 17.826 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

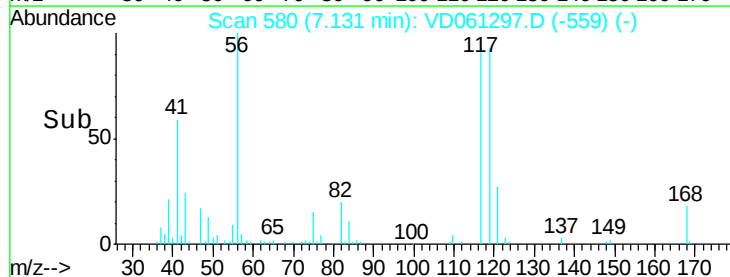
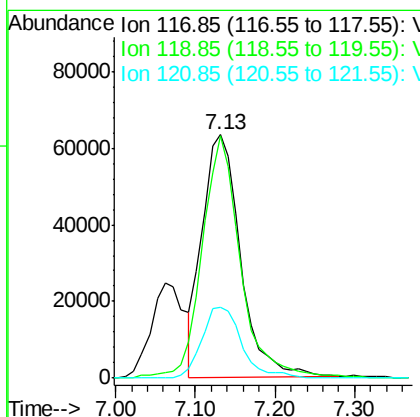
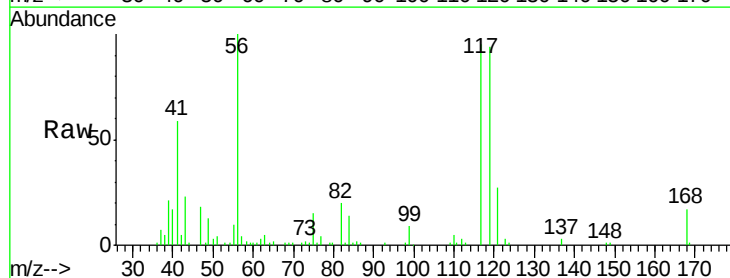
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

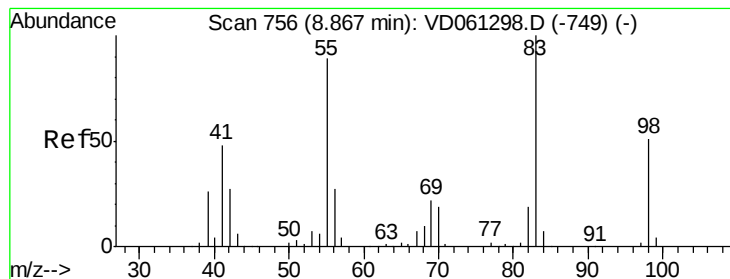
Tot Ion: 43 Resp: 71037
Ion Ratio Lower Upper
43 100
61 19.4 12.6 19.0#
70 9.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 18.711 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 117 Resp: 211606
Ion Ratio Lower Upper
117 100
119 99.8 78.4 117.6
121 29.0 25.1 37.7





#39

Methvlcvclohexane

Concen: 20.556 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

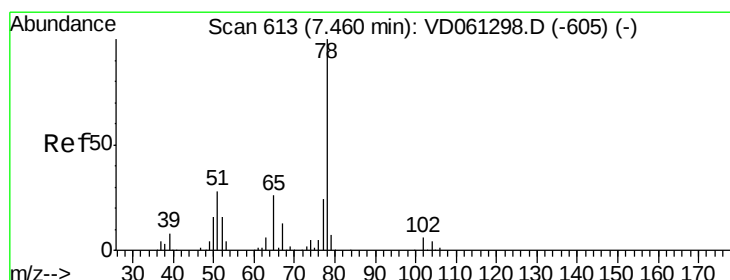
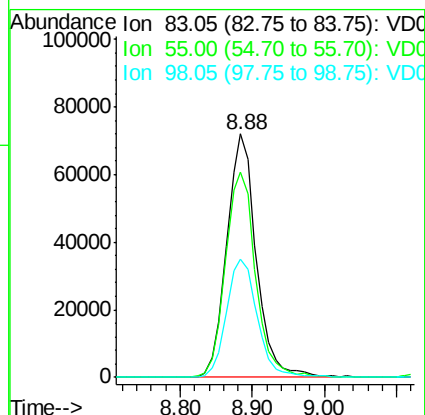
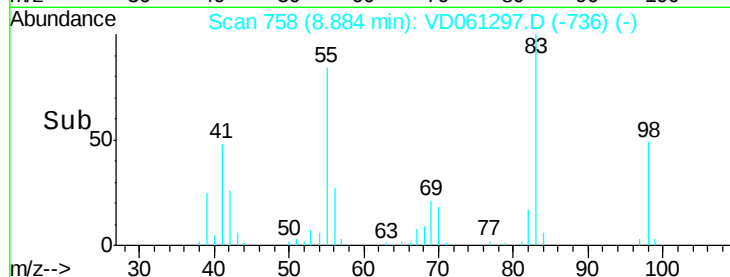
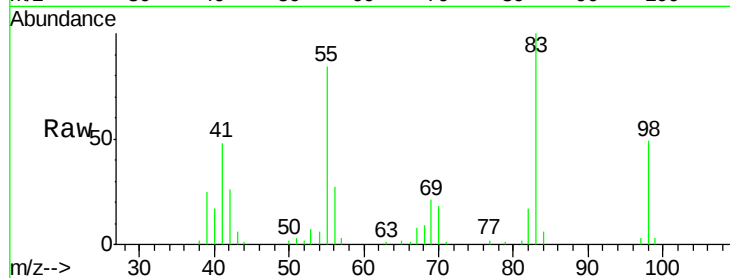
Tot Ion: 83 Resp: 203880

Ion Ratio Lower Upper

83 100

55 84.1 71.3 106.9

98 48.6 40.4 60.6



#40

Benzene

Concen: 19.734 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061297.D

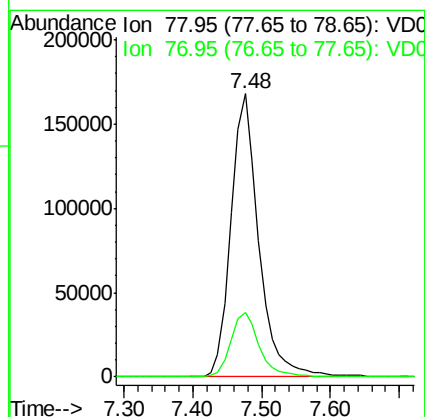
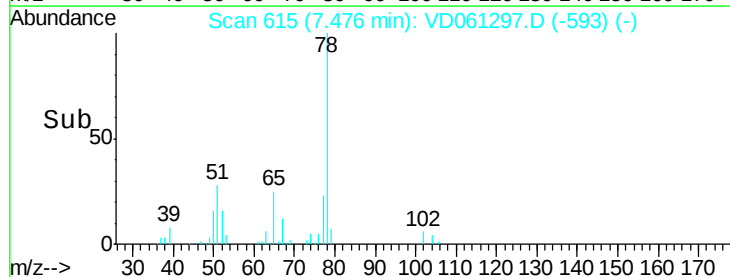
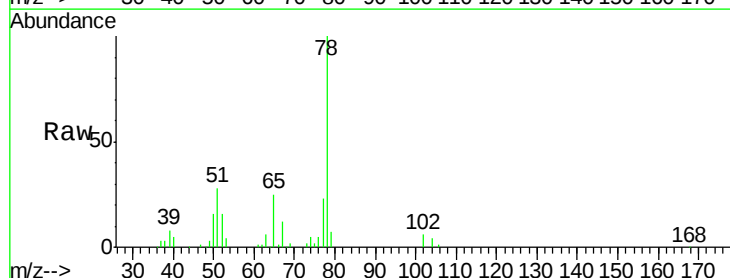
Acq: 25 Mar 2019 11:47

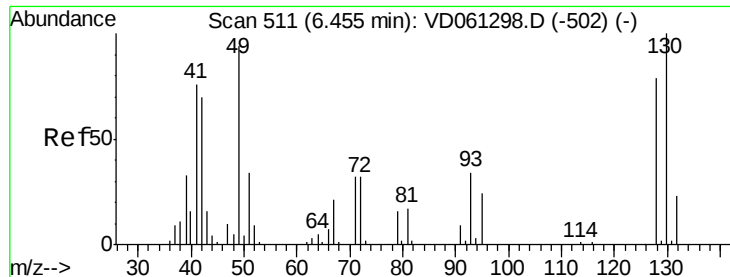
Tgt Ion: 78 Resp: 469431

Ion Ratio Lower Upper

78 100

77 23.0 18.8 28.2

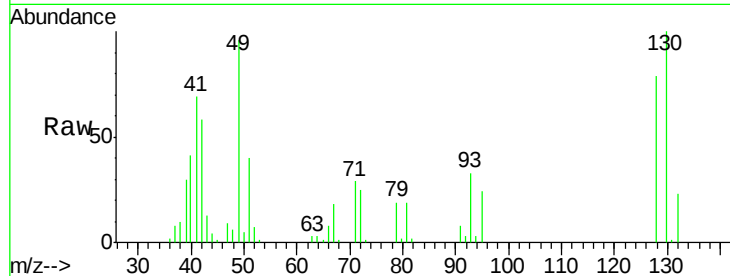




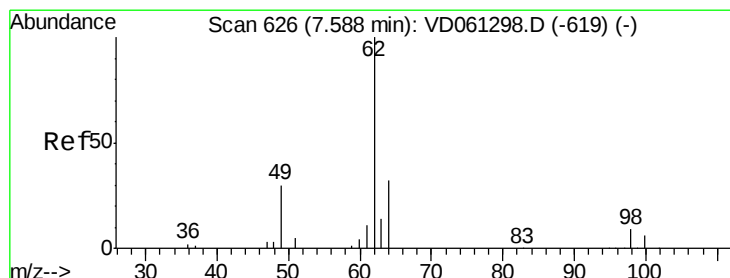
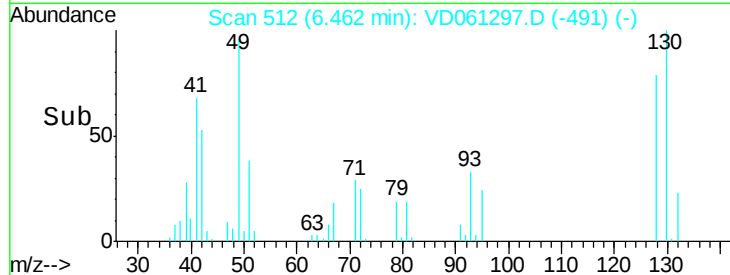
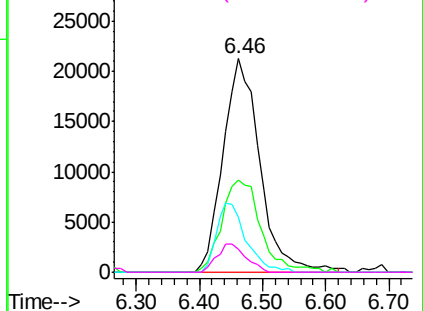
#41
Methacrylonitrile
Concen: 18.490 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	85922
Ion	Ratio	Lower	Upper
41	100		
39	43.1	34.2	51.2
67	26.0	21.8	32.6
52	10.8	9.0	13.4

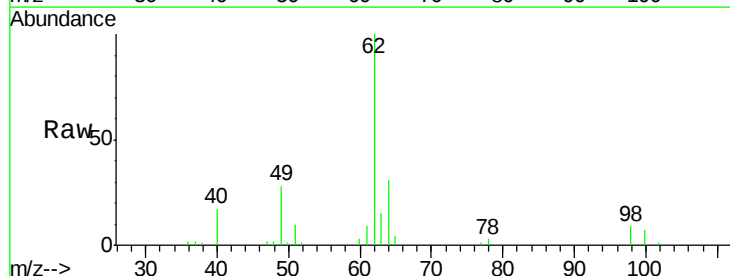


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

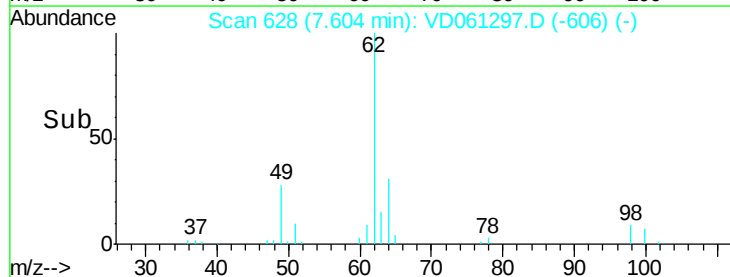
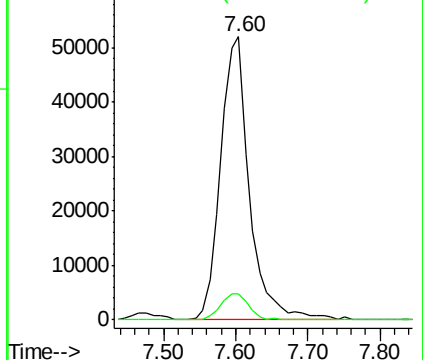


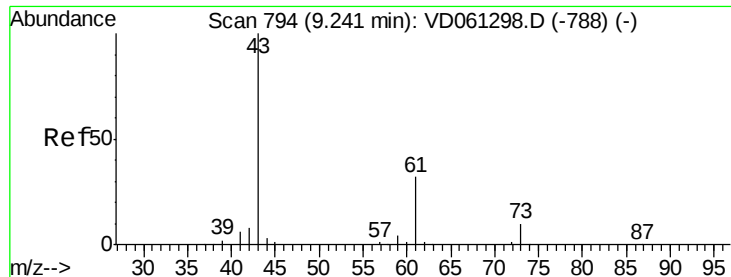
#42
1,2-Dichloroethane
Concen: 19.345 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:	62	Resp:	143395
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.520 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

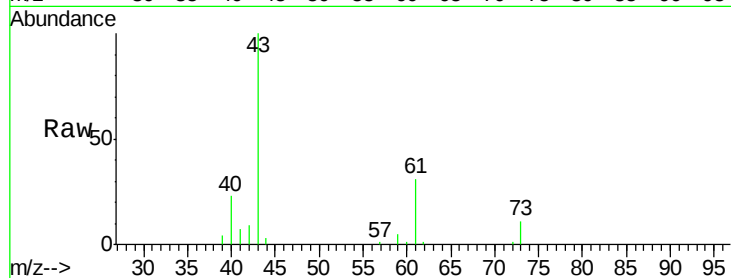
Tot Ion: 43 Resp: 112523

Ion Ratio Lower Upper

43 100

61 31.1 25.8 38.8

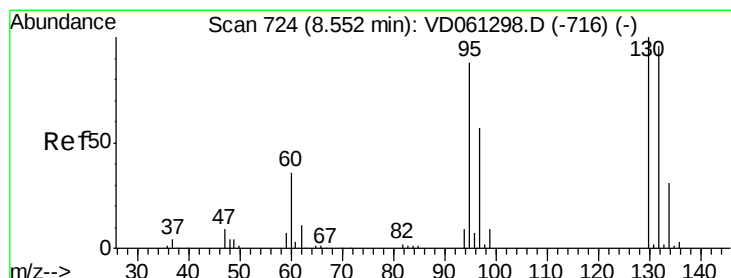
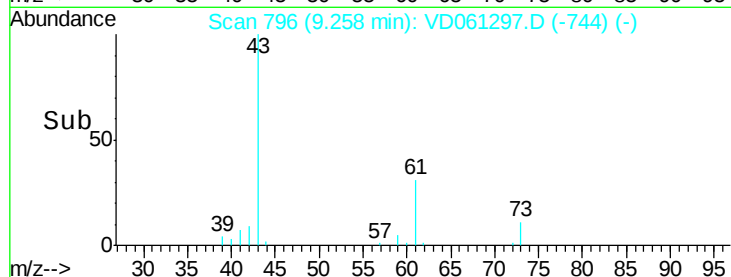
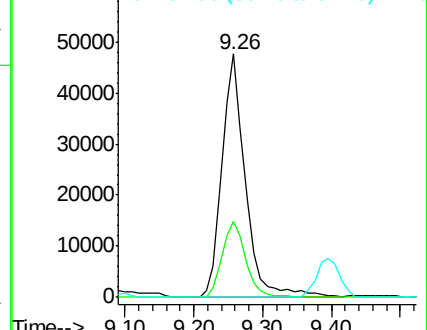
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.004 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD061297.D

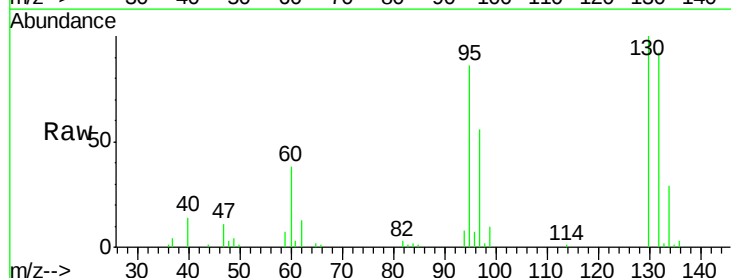
Acq: 25 Mar 2019 11:47

Tgt Ion: 130 Resp: 163384

Ion Ratio Lower Upper

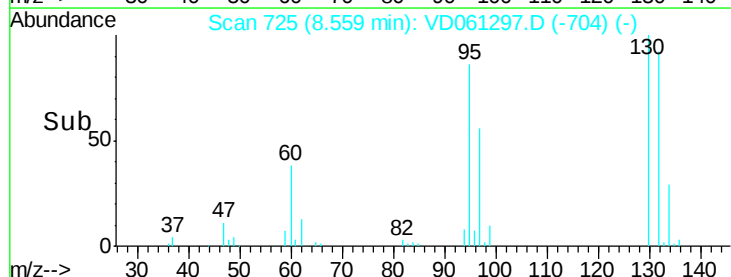
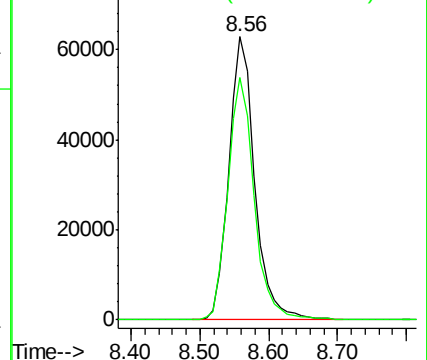
130 100

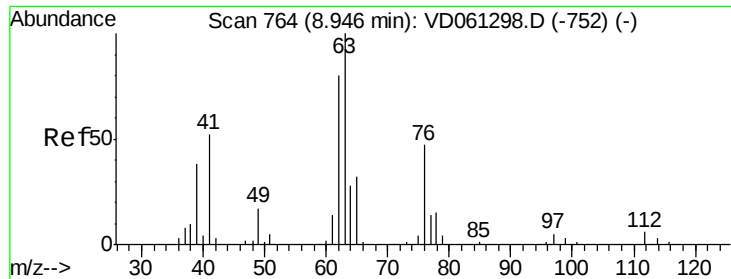
95 85.6 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.675 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

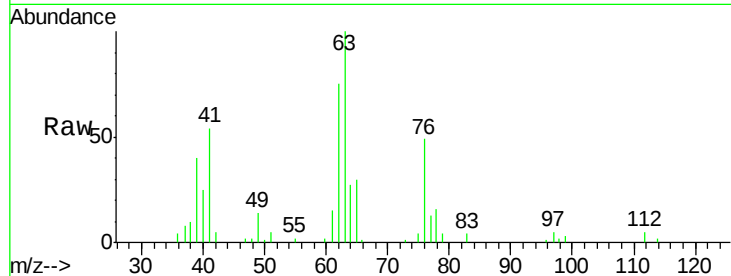
VSTDIC020

Tot Ion: 63 Resp: 115438

Ion Ratio Lower Upper

63 100

65 29.8 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

40000

30000

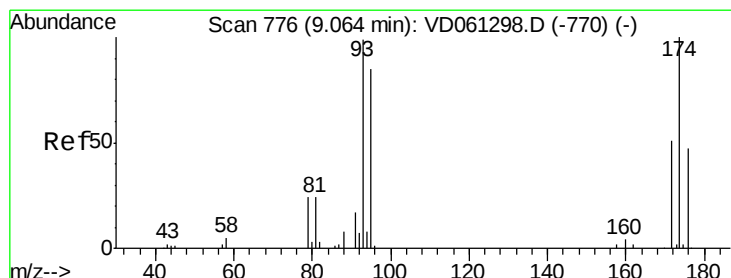
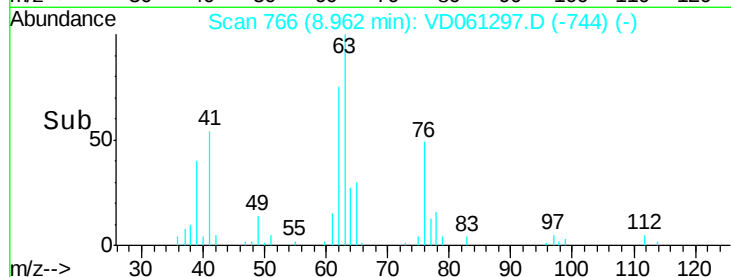
20000

10000

0

8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 19.240 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

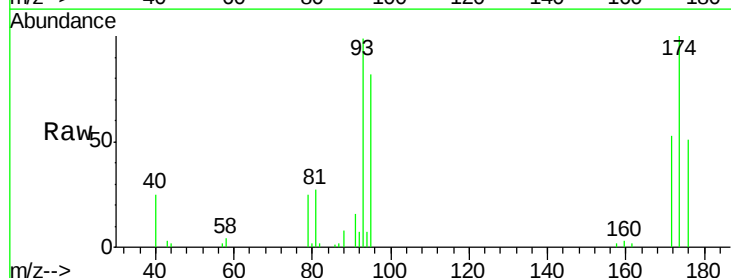
Tgt Ion: 93 Resp: 77397

Ion Ratio Lower Upper

93 100

95 82.2 68.1 102.1

174 100.7 80.4 120.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

40000

30000

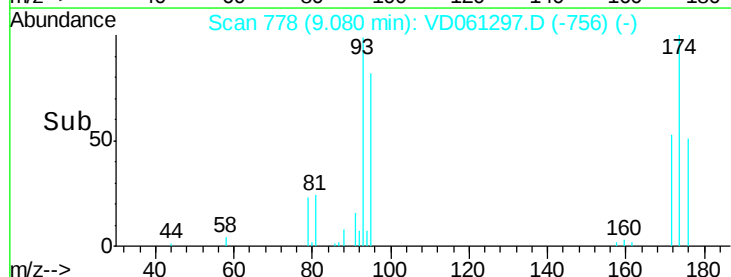
20000

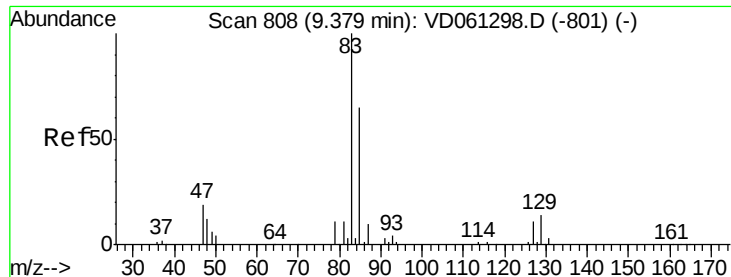
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 19.564 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

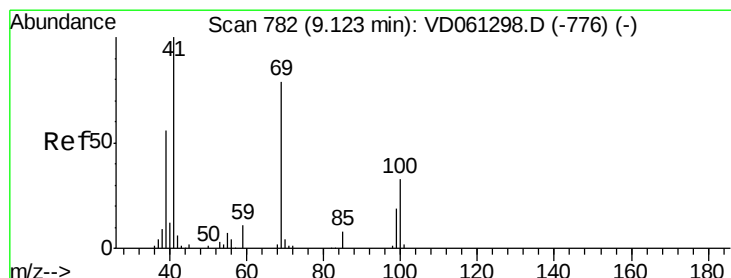
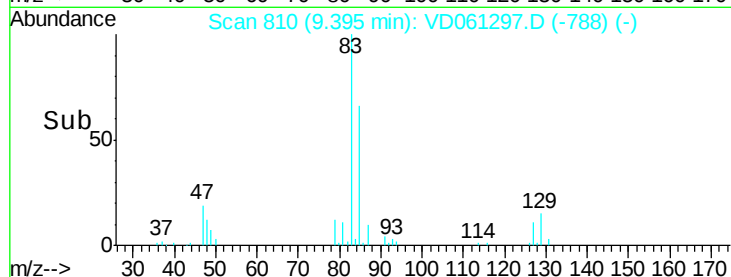
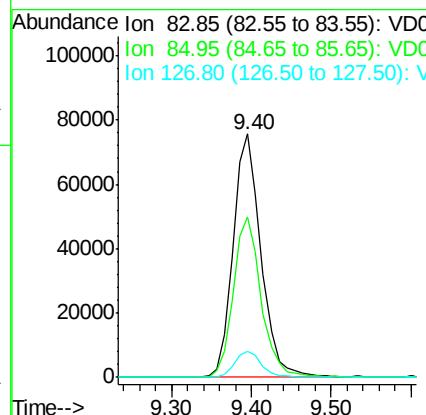
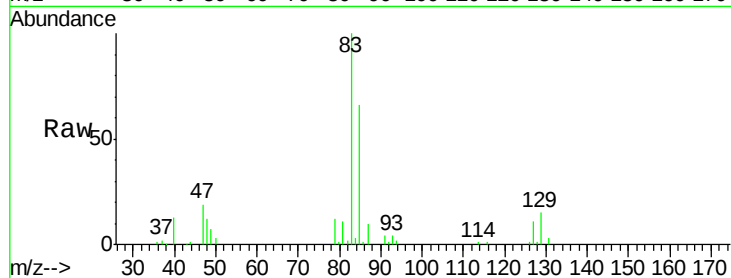
Tot Ion: 83 Resp: 184429

Ion Ratio Lower Upper

83 100

85 65.7 51.7 77.5

127 10.8 8.8 13.2



#48

Methyl methacrylate

Concen: 18.706 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

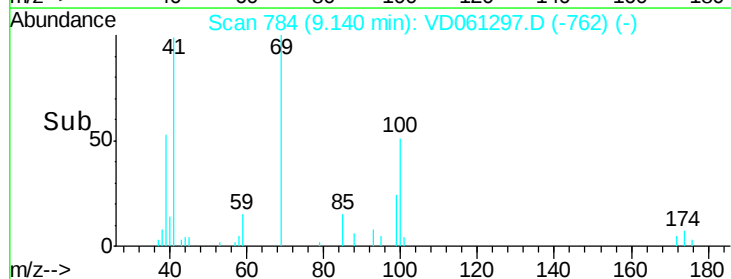
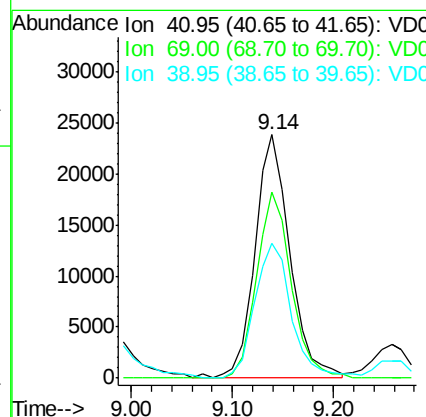
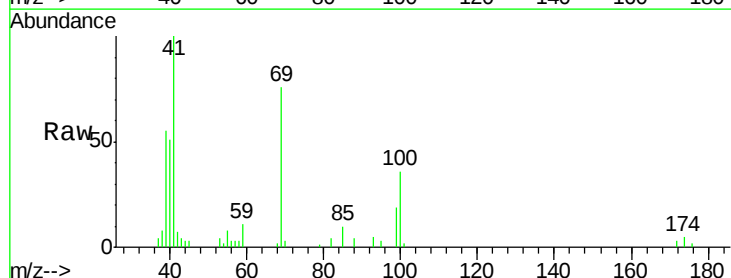
Tgt Ion: 41 Resp: 57556

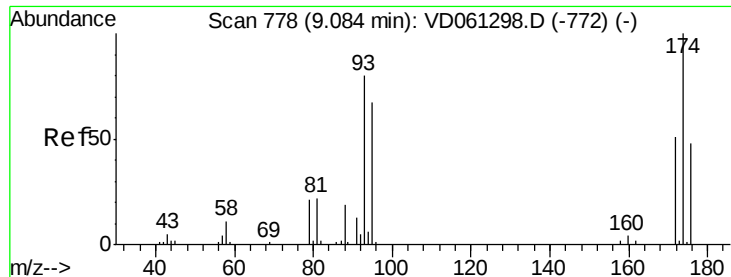
Ion Ratio Lower Upper

41 100

69 76.5 62.4 93.6

39 55.4 44.9 67.3





#49

1,4-Dioxane

Concen: 364.766 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

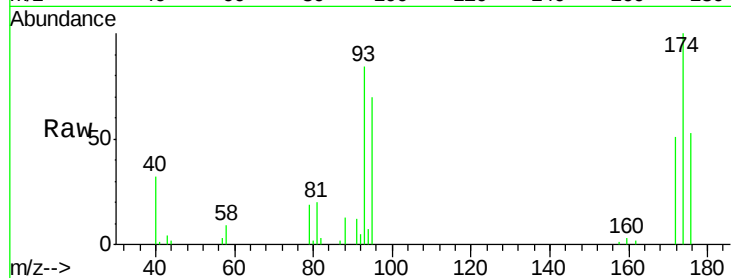
Tot Ion: 88 Resp: 12314

Ion Ratio Lower Upper

88 100

43 33.5 20.7 31.1#

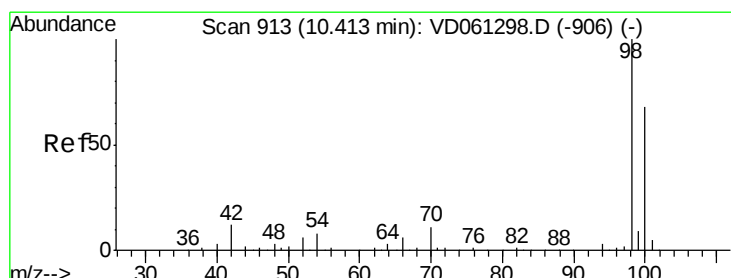
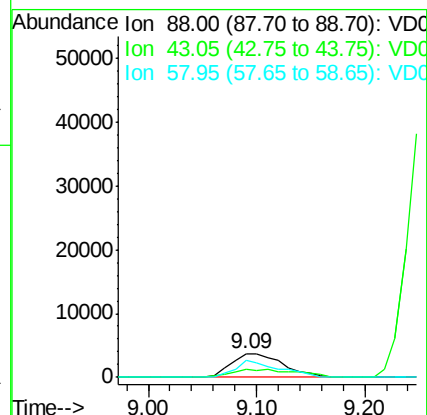
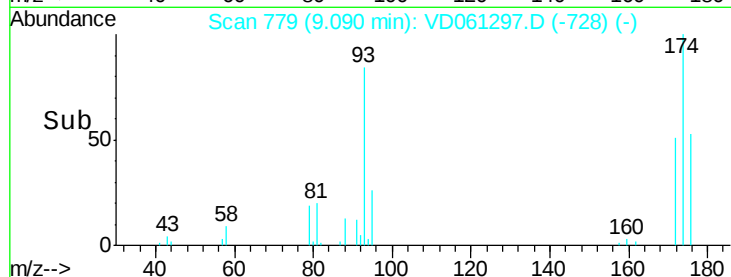
58 68.7 44.9 67.3#



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: 364.766 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD061297.D

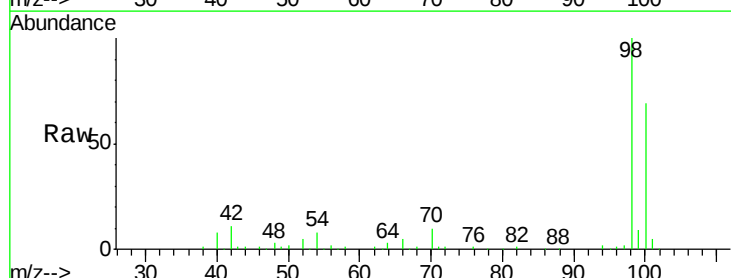
Acq: 25 Mar 2019 11:47

Tgt Ion: 98 Resp: 432081

Ion Ratio Lower Upper

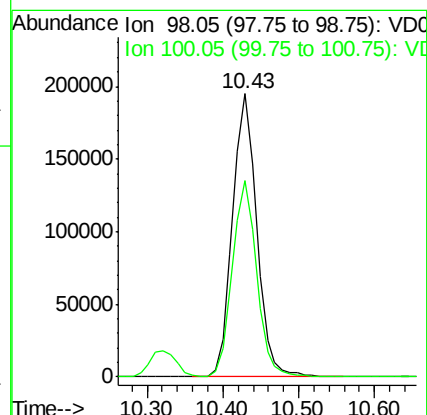
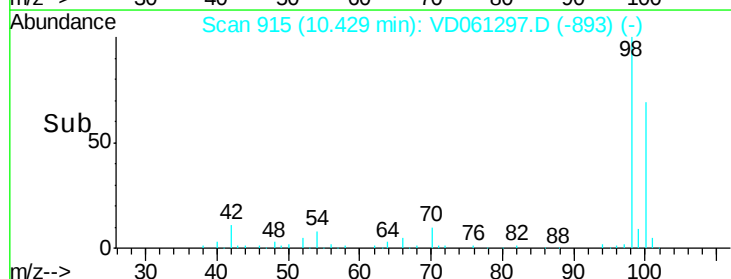
98 100

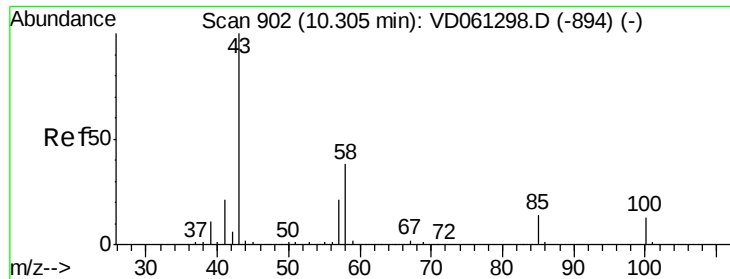
100 69.4 55.4 83.0



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: 96.922 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

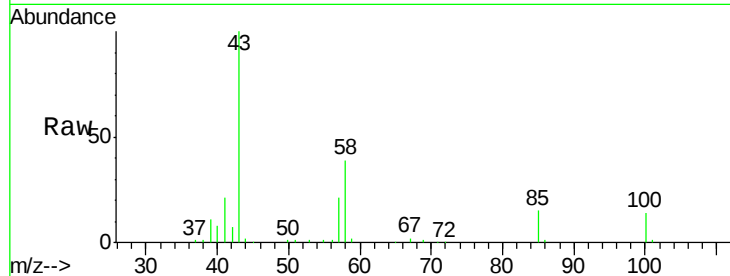
VSTDIC020

Tot Ion: 43 Resp: 332604

Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

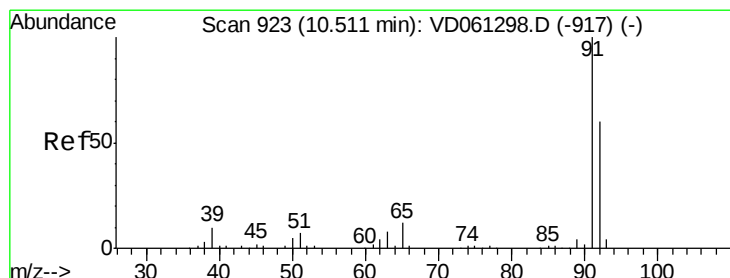
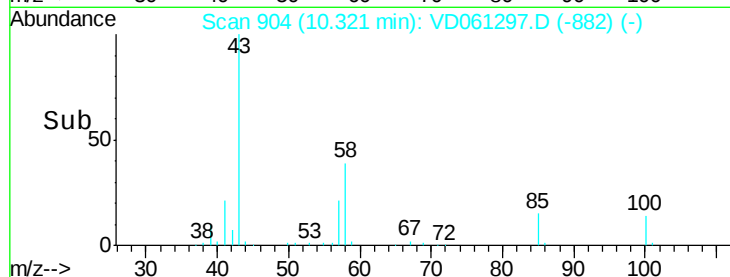
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.385 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061297.D

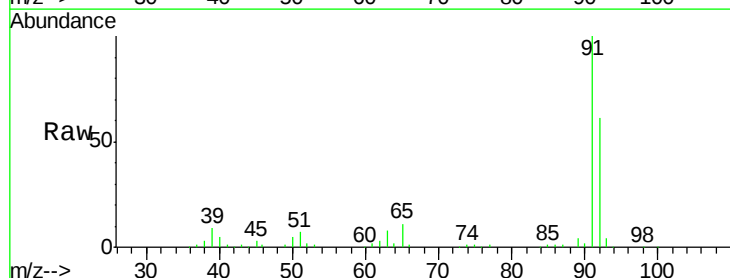
Acq: 25 Mar 2019 11:47

Tgt Ion: 92 Resp: 296509

Ion Ratio Lower Upper

92 100

91 163.8 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

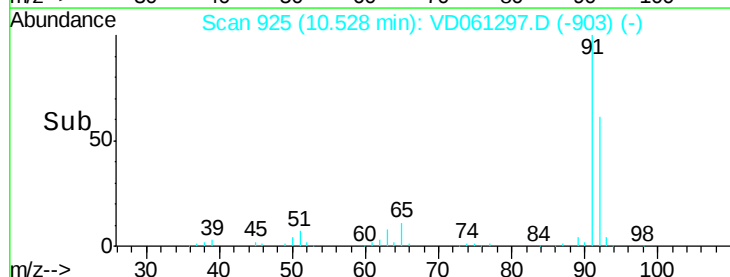
150000

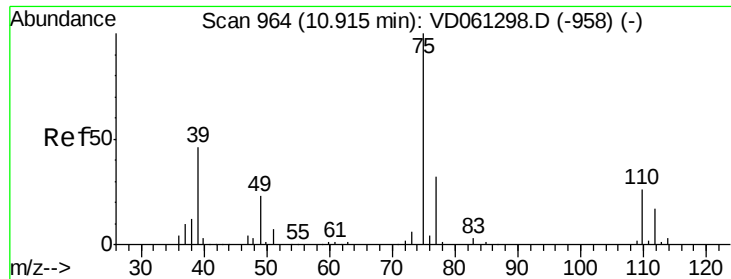
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.487 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

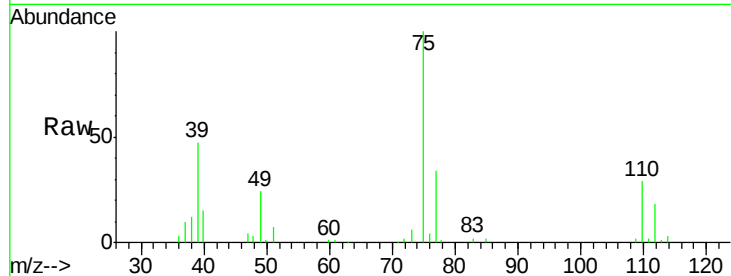
VSTDIC020

Tot Ion: 75 Resp: 151444

Ion Ratio Lower Upper

75 100

77 33.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

80000

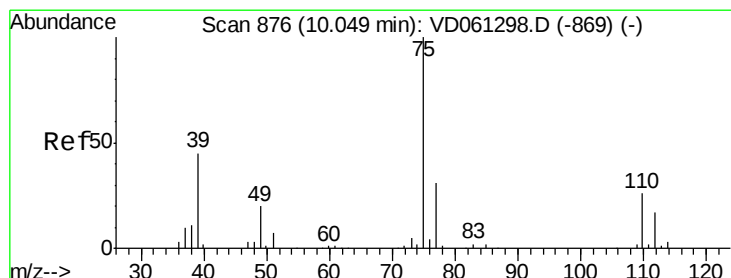
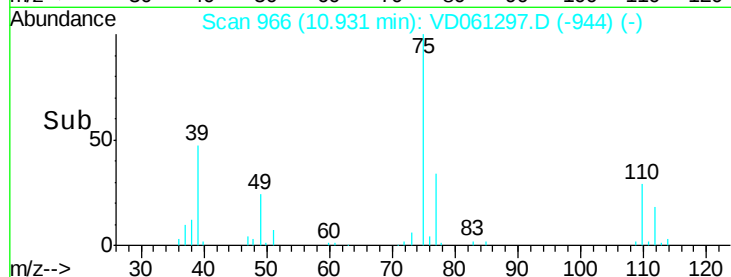
60000

40000

20000

0

Time--> 10.80 10.90 11.00 11.10



#54

cis-1,3-Dichloropropene

Concen: 18.780 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

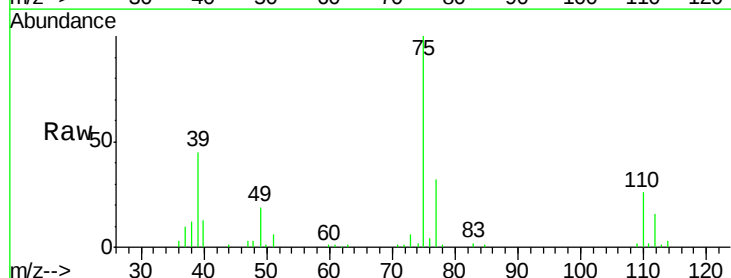
Tgt Ion: 75 Resp: 187866

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 45.3 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

10.06

100000

80000

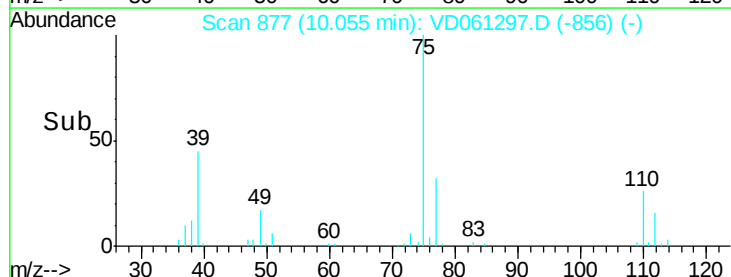
60000

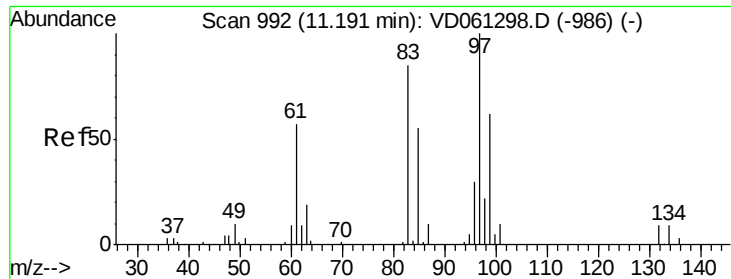
40000

20000

0

Time--> 10.00 10.10 10.20

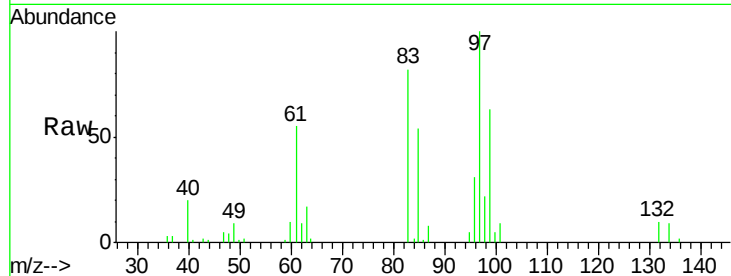




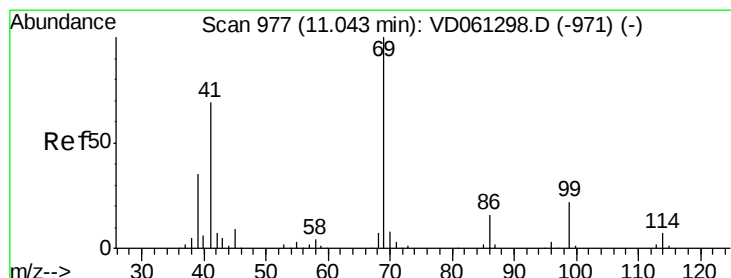
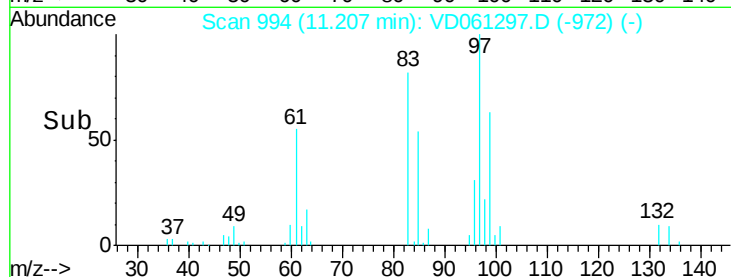
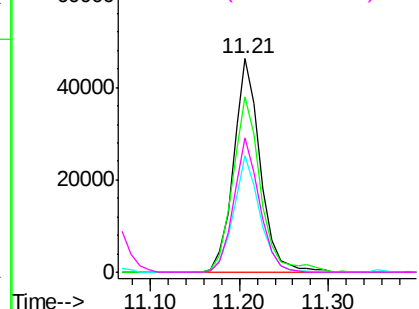
#55
1,1,2-Trichloroethane
Concen: 20.157 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 97 Resp: 97342
Ion Ratio Lower Upper
97 100
83 82.0 67.7 101.5
85 54.3 43.8 65.8
99 63.0 49.8 74.6

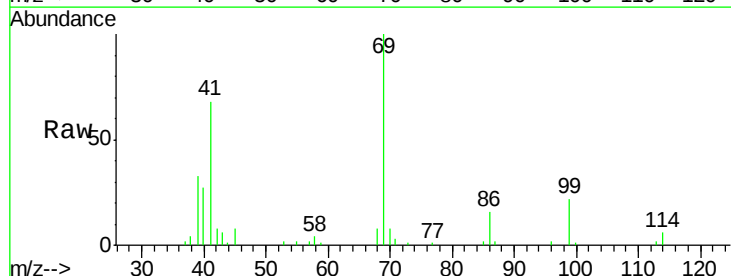


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

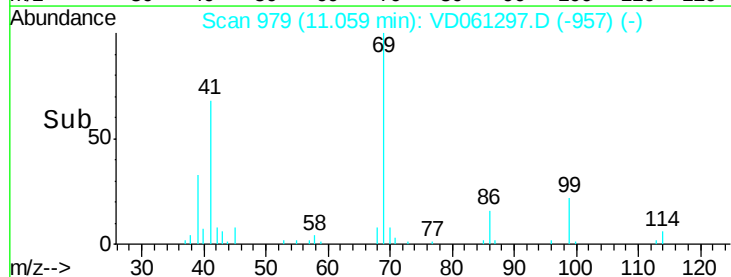
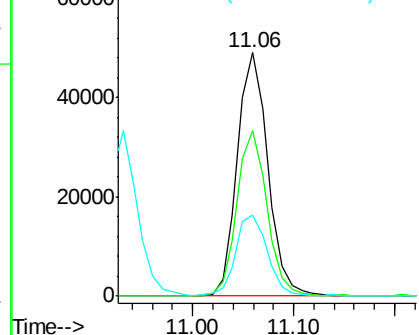


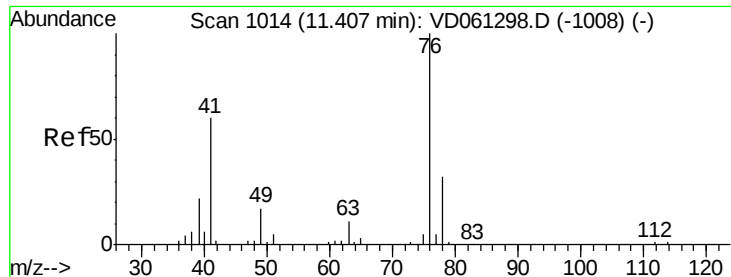
#56
Ethyl methacrylate
Concen: 20.067 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 69 Resp: 103406
Ion Ratio Lower Upper
69 100
41 68.1 54.9 82.3
39 33.3 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

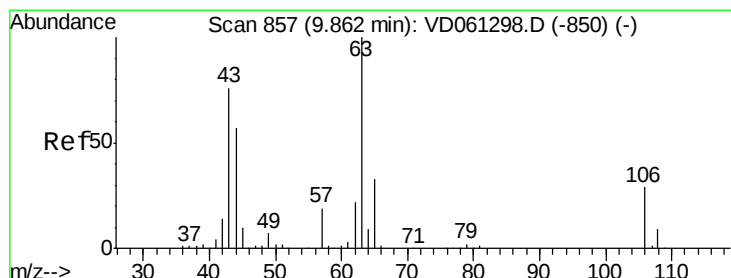
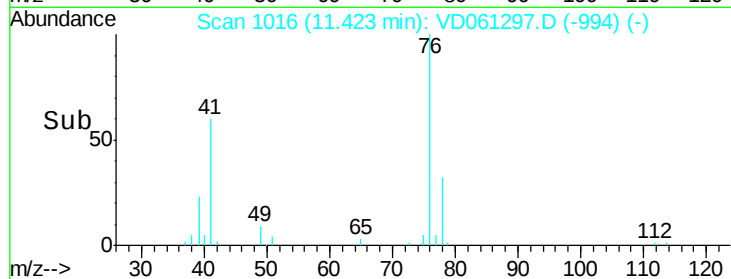
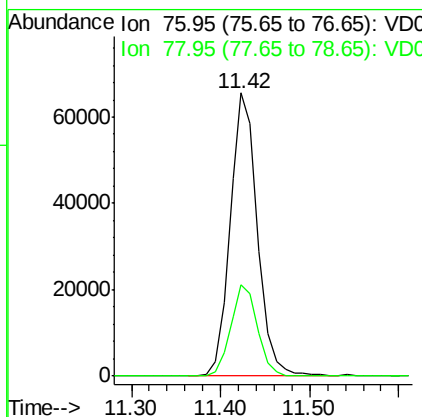
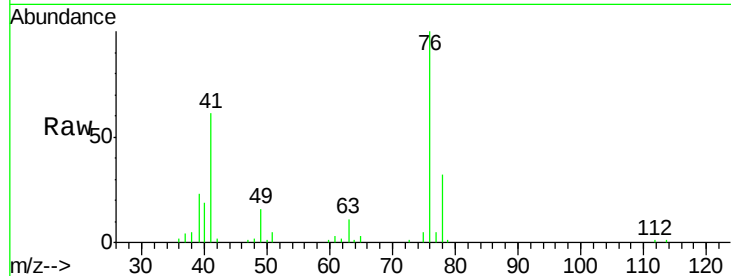




#57
 1,3-Dichloropropane
 Concen: 19.151 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

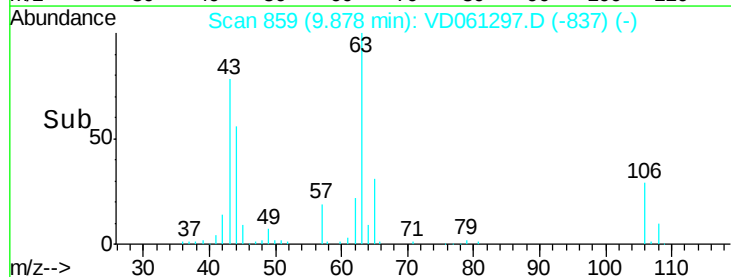
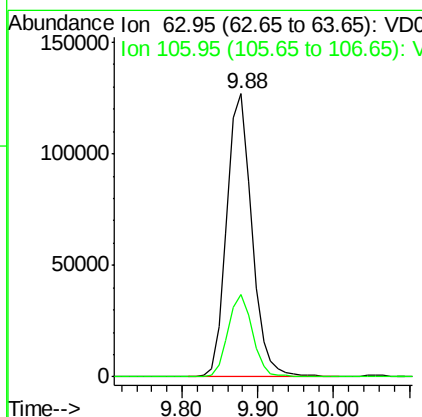
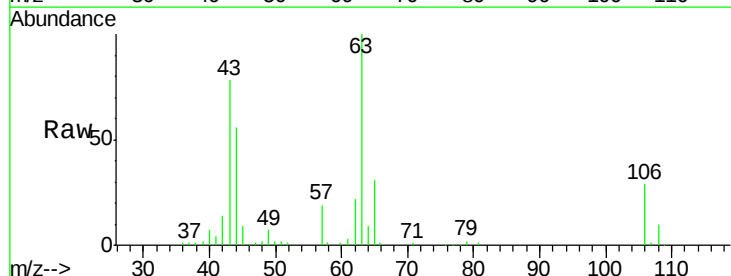
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

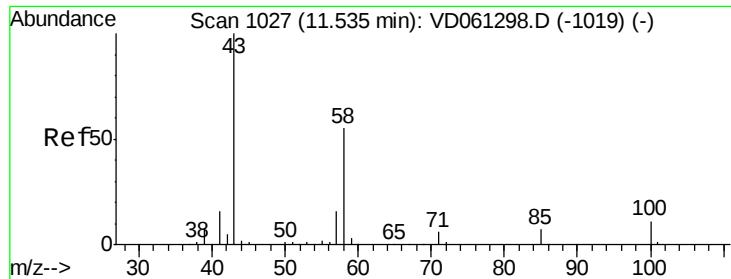
Tot Ion: 76 Resp: 139676
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.768 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 63 Resp: 291590
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0

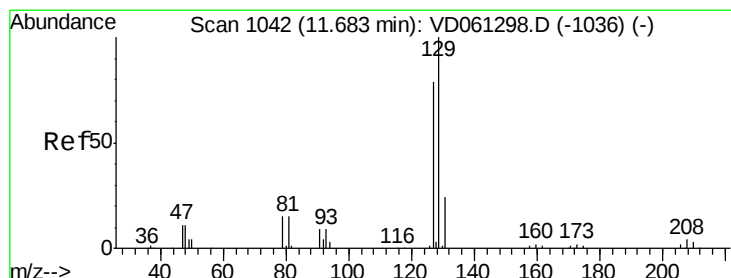
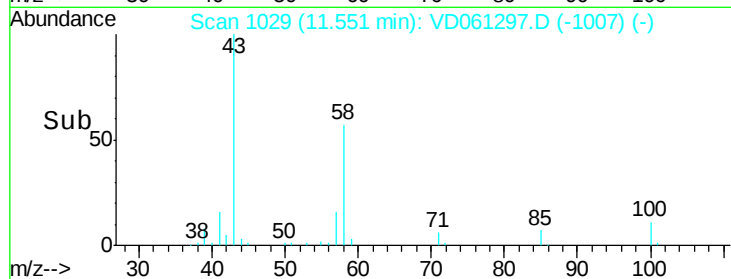
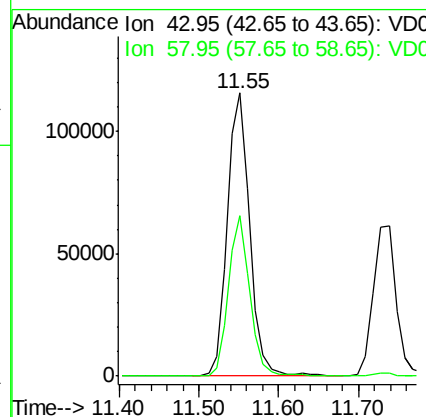
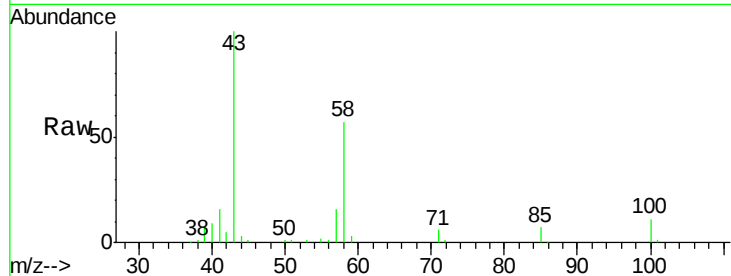




#59
2-Hexanone
Concen: 92.204 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

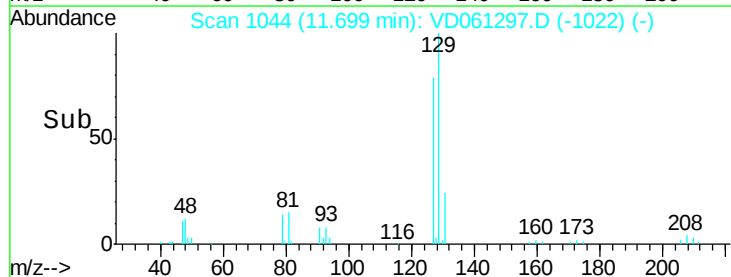
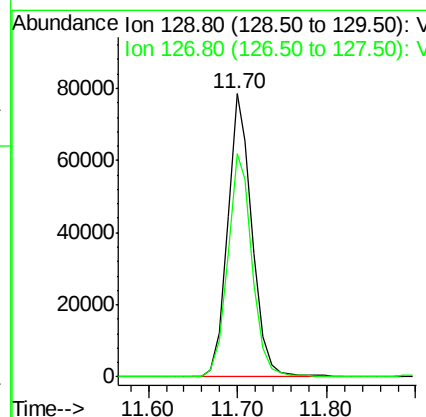
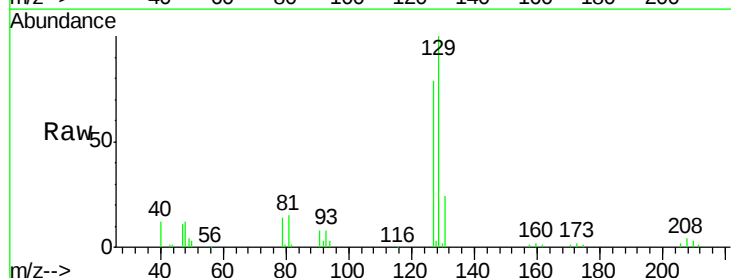
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

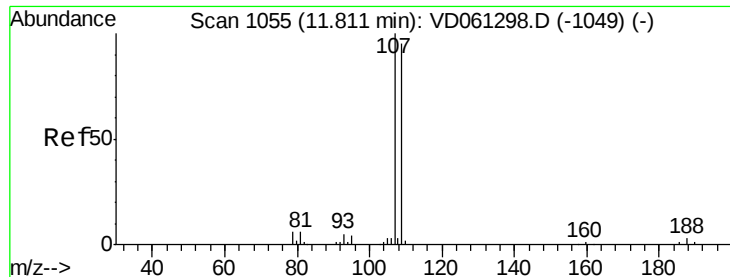
Tot Ion: 43 Resp: 229808
Ion Ratio Lower Upper
43 100
58 56.5 27.4 82.0



#60
Dibromochloromethane
Concen: 19.912 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 129 Resp: 150615
Ion Ratio Lower Upper
129 100
127 79.1 39.6 119.0





#61

1,2-Dibromoethane

Concen: 19.835 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

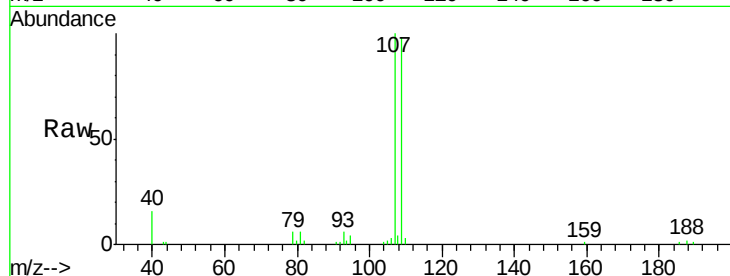
VSTDIC020

Tot Ion:107 Resp: 111919

Ion Ratio Lower Upper

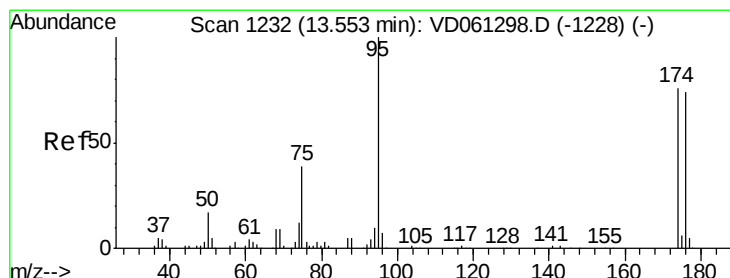
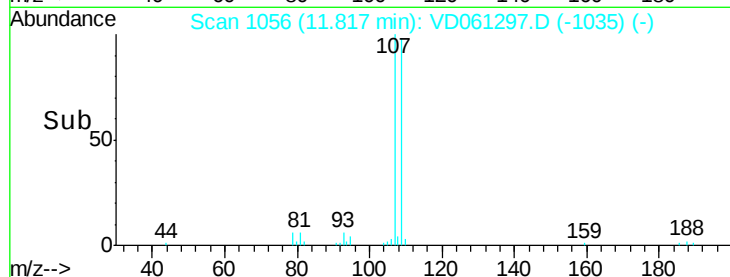
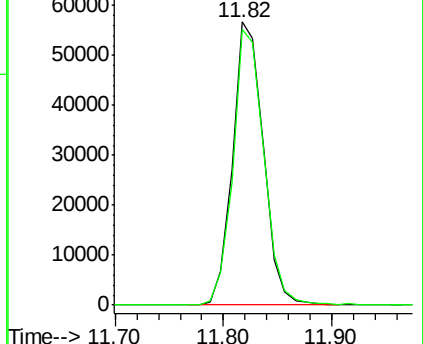
107 100

109 97.6 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.835 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

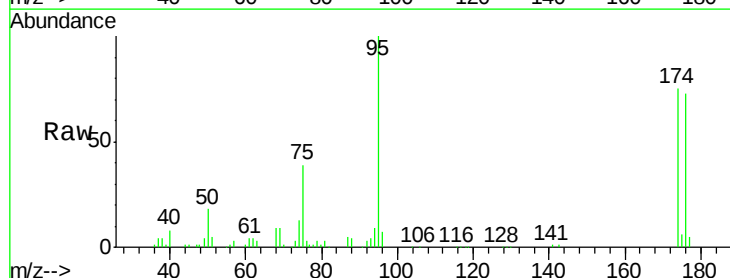
Tgt Ion: 95 Resp: 166001

Ion Ratio Lower Upper

95 100

174 75.0 0.0 151.8

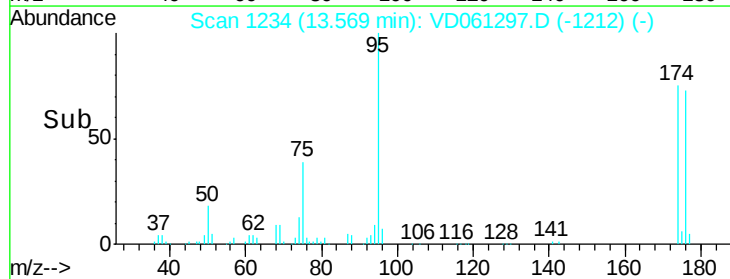
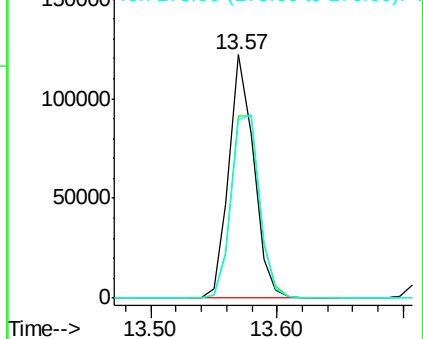
176 73.4 0.0 148.0

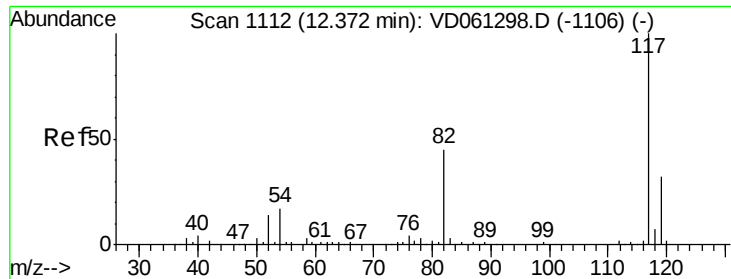


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

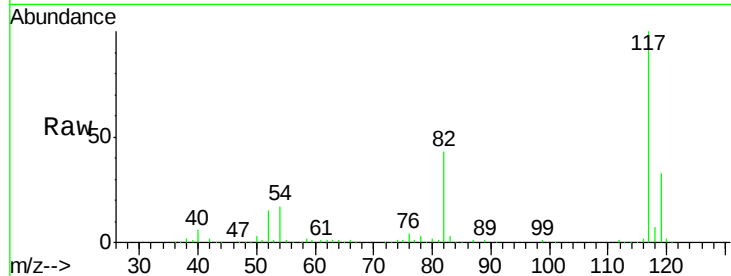




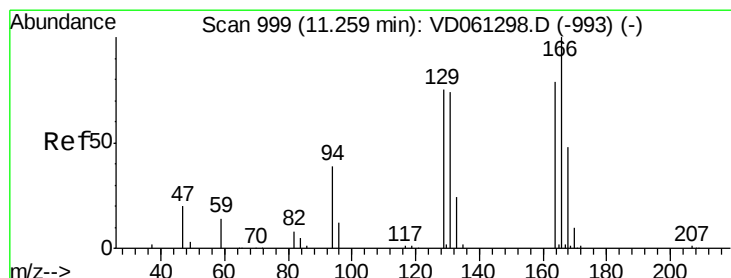
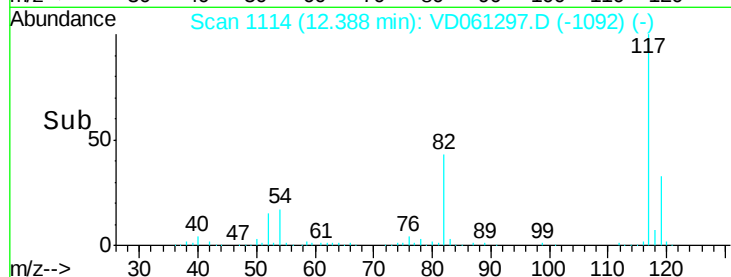
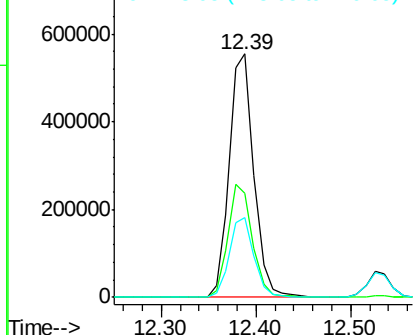
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 993774
Ion Ratio Lower Upper
117 100
82 42.8 35.7 53.5
119 33.0 25.9 38.9

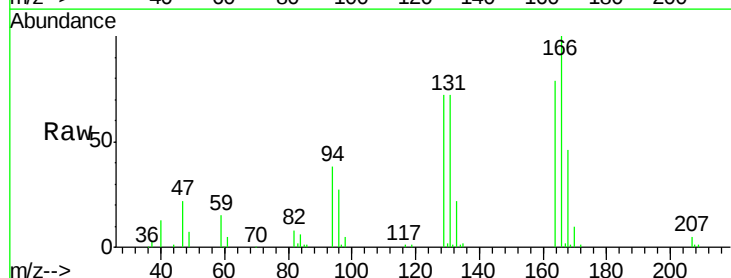


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

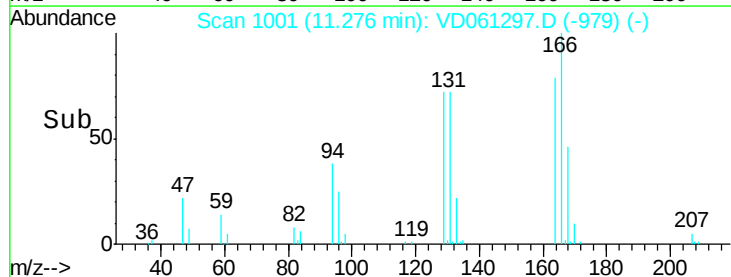
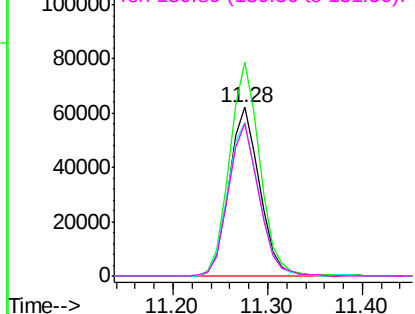


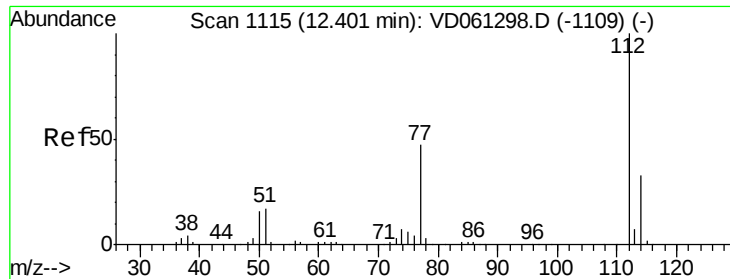
#64
Tetrachloroethene
Concen: 20.316 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:164 Resp: 139081
Ion Ratio Lower Upper
164 100
166 126.7 101.6 152.4
129 91.1 75.9 113.9
131 90.6 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

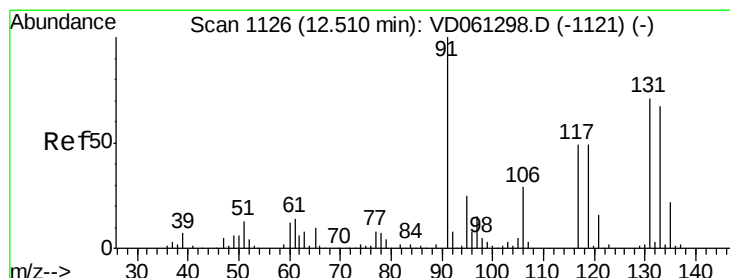
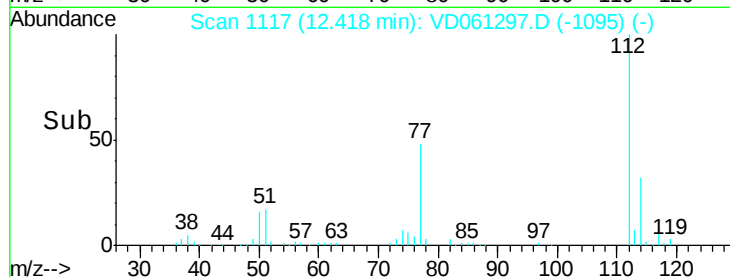
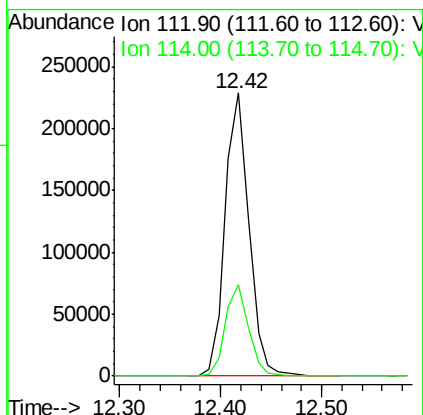
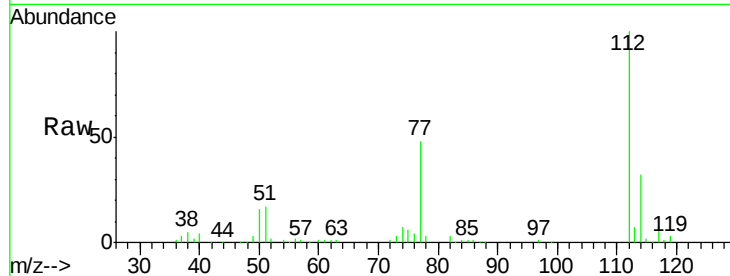




#65
Chlorobenzene
Concen: 20.528 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

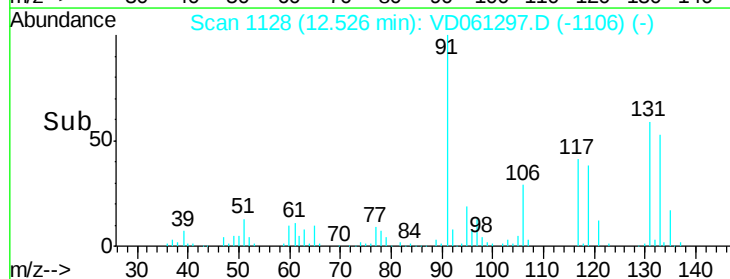
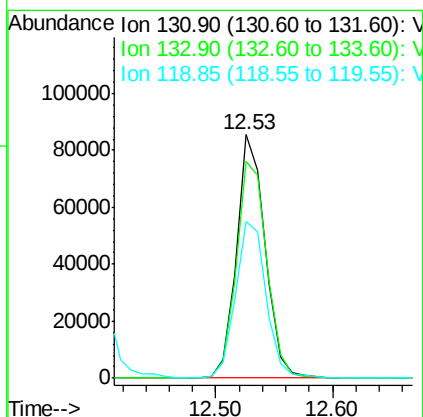
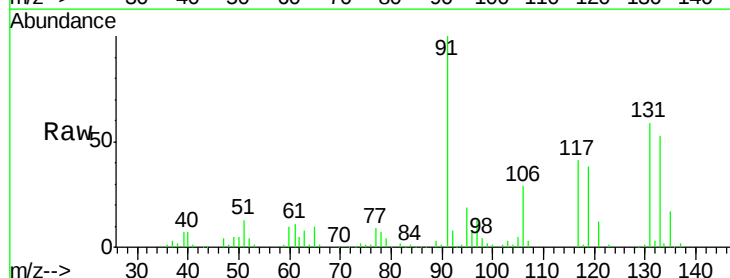
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

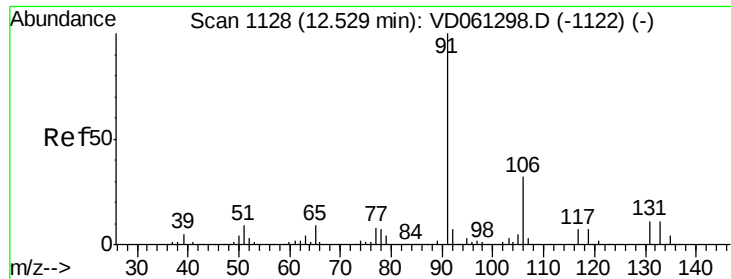
Tot Ion:112 Resp: 375746
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.408 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:131 Resp: 144829
Ion Ratio Lower Upper
131 100
133 89.1 47.0 141.2
119 64.4 34.8 104.5

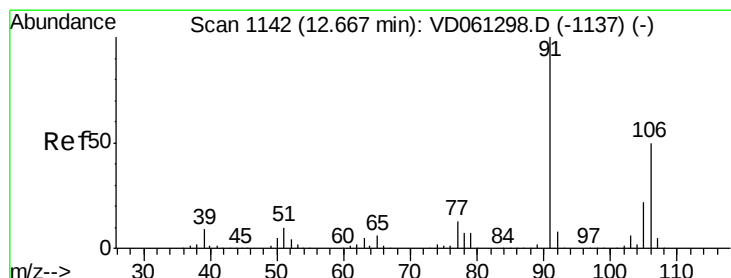
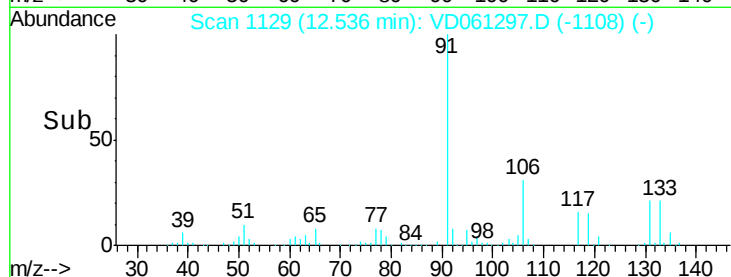
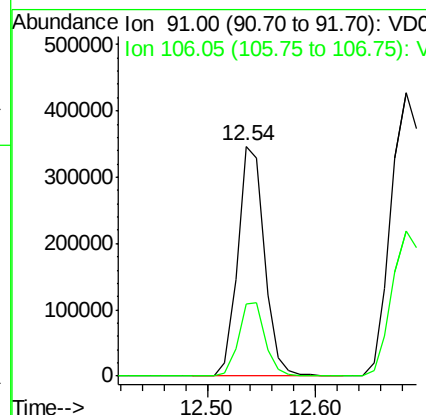
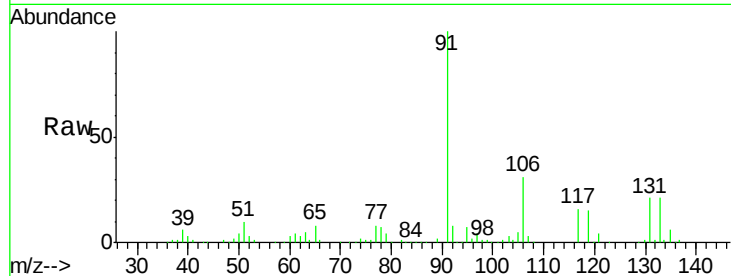




#67
Ethyl Benzene
Concen: 21.214 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

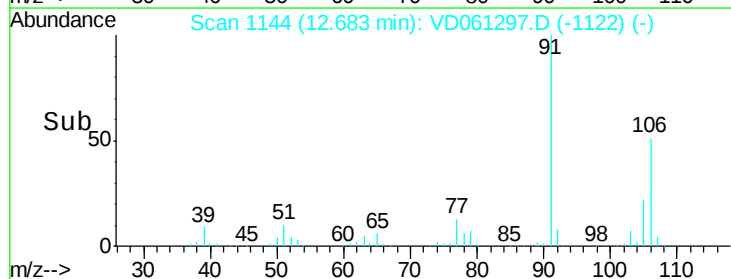
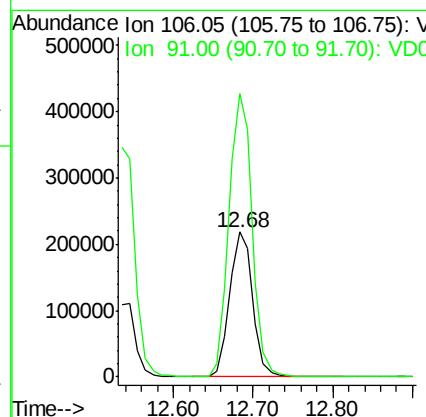
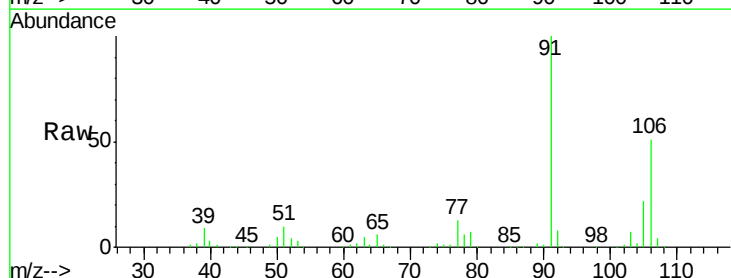
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

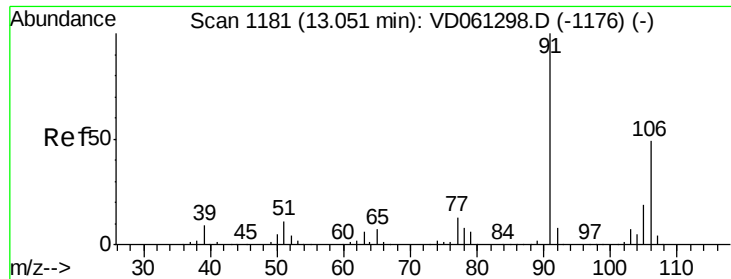
Tot Ion: 91 Resp: 594278
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



#68
m/p-Xylenes
Concen: 40.562 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 106 Resp: 443539
Ion Ratio Lower Upper
106 100
91 195.5 159.2 238.8

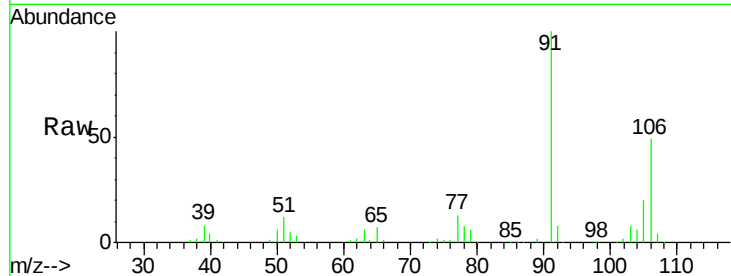




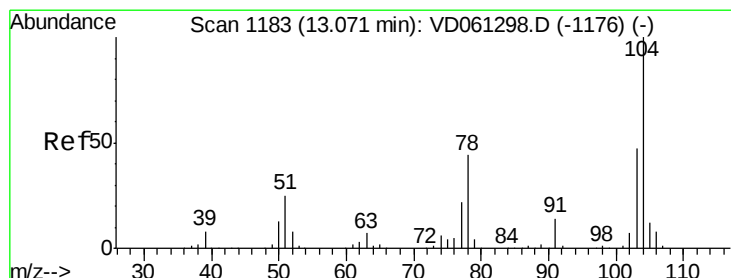
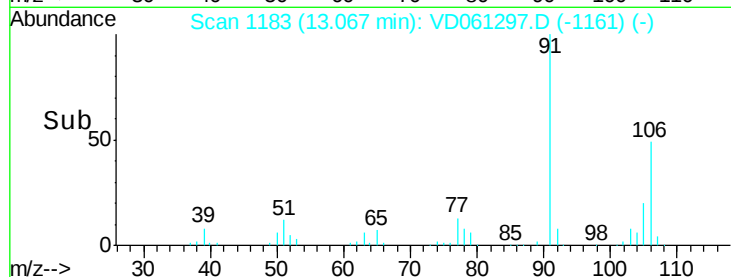
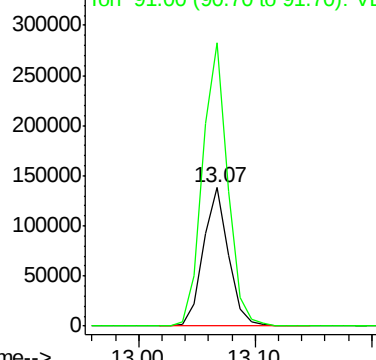
#69
o-Xylene
Concen: 20.332 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 206204
Ion Ratio Lower Upper
106 100
91 204.2 102.5 307.5

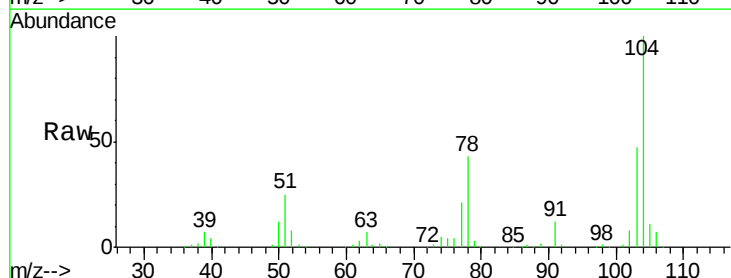


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

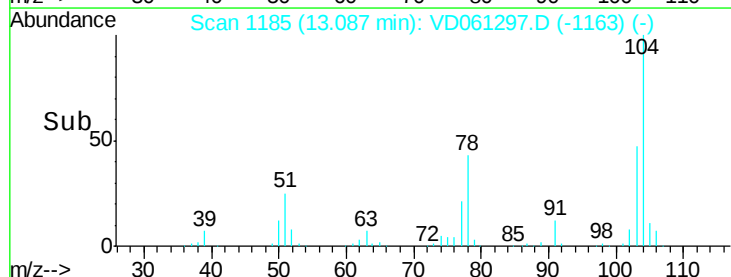
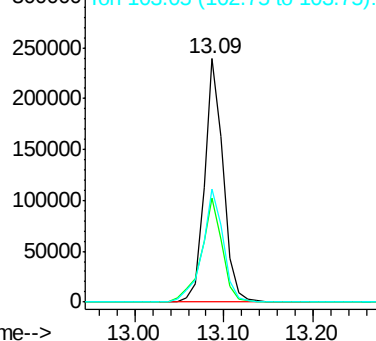


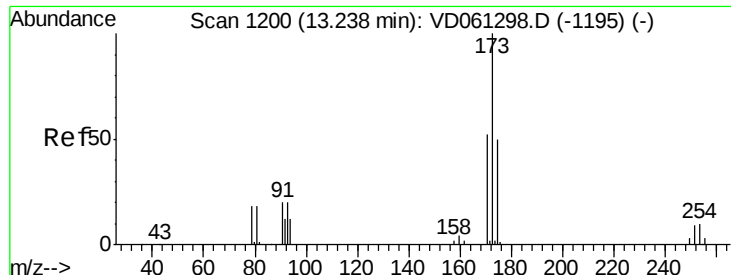
#70
Styrene
Concen: 20.455 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:104 Resp: 352084
Ion Ratio Lower Upper
104 100
78 42.7 35.1 52.7
103 46.6 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

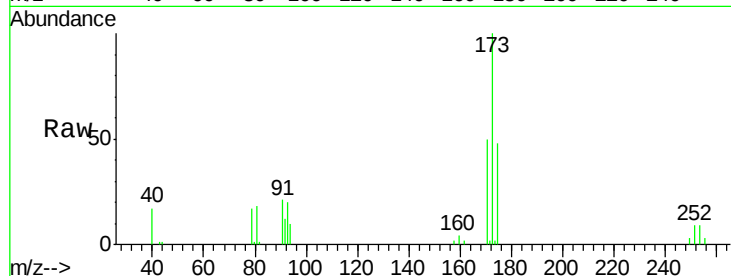




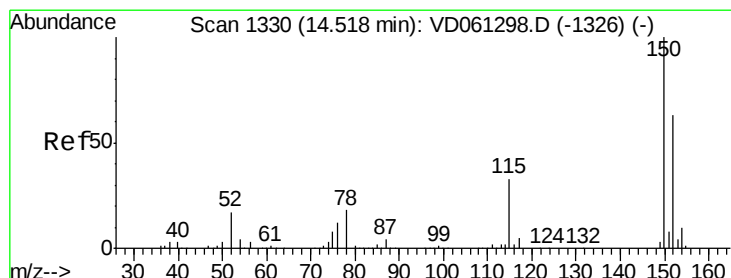
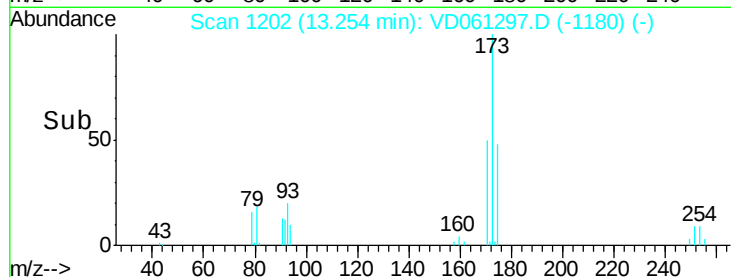
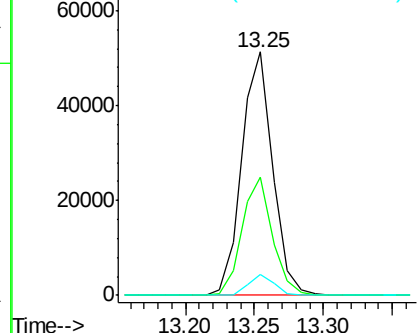
#71
Bromoform
Concen: 18.517 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 80415
Ion Ratio Lower Upper
173 100
175 48.3 24.9 74.7
254 8.7 7.8 11.6

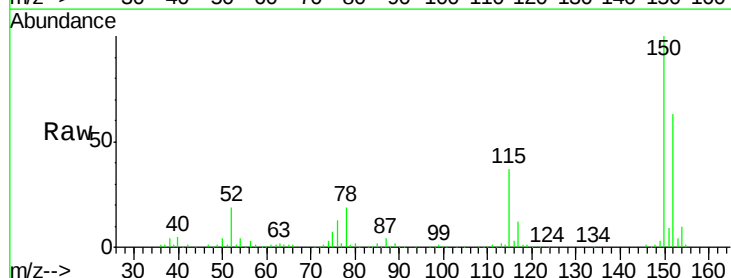


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

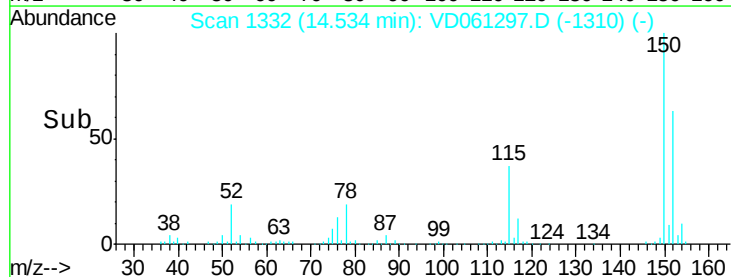
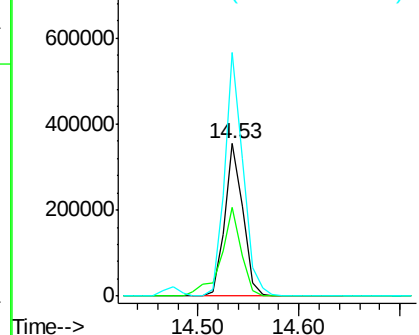


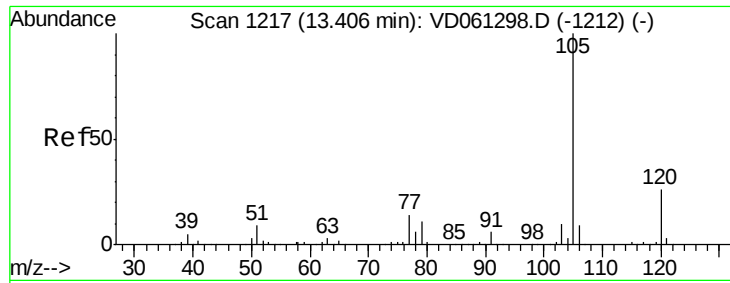
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:152 Resp: 445647
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 159.8 0.0 319.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.980 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

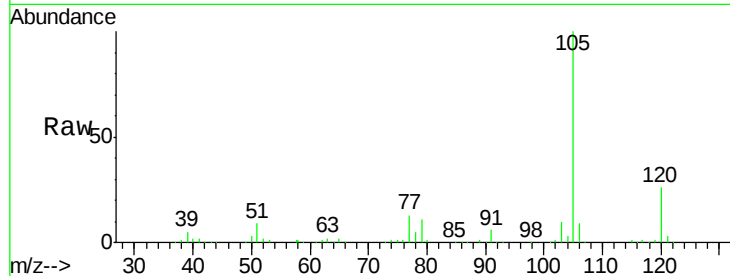
VSTDIC020

Tot Ion:105 Resp: 550142

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

400000

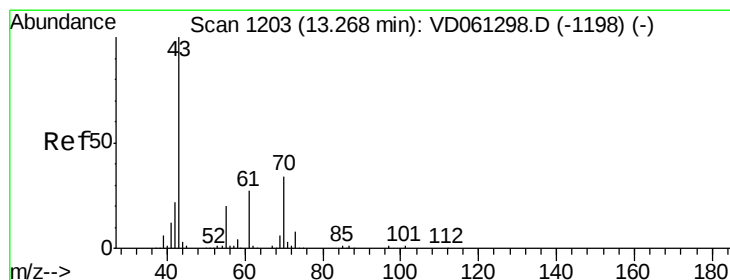
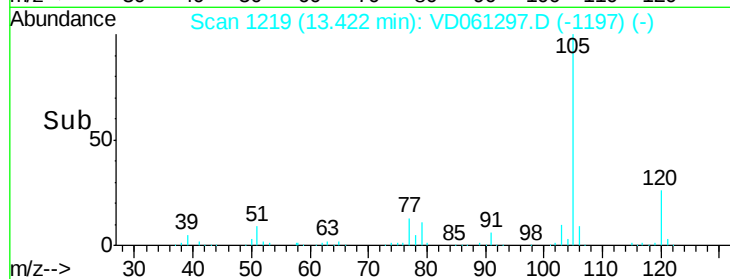
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.271 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 43 Resp: 138557

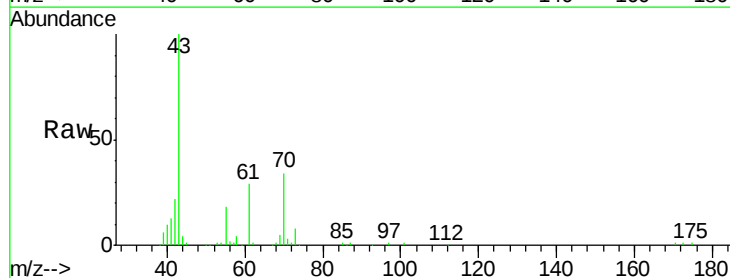
Ion Ratio Lower Upper

43 100

70 34.4 27.5 41.3

55 18.5 15.7 23.5

61 28.6 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

13.28

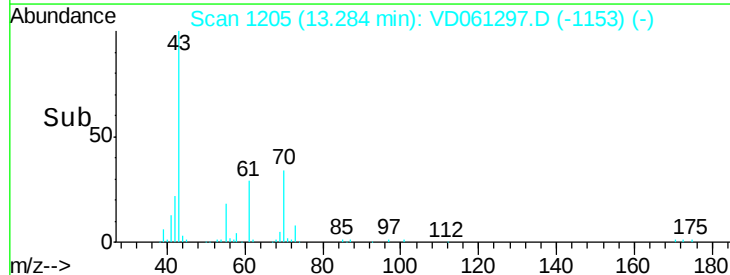
150000

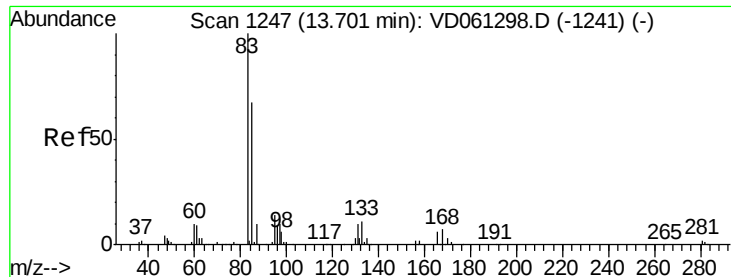
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.355 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

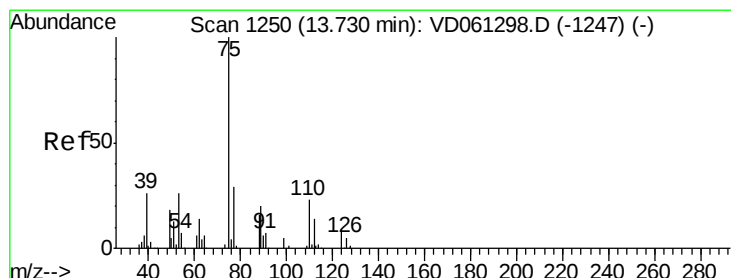
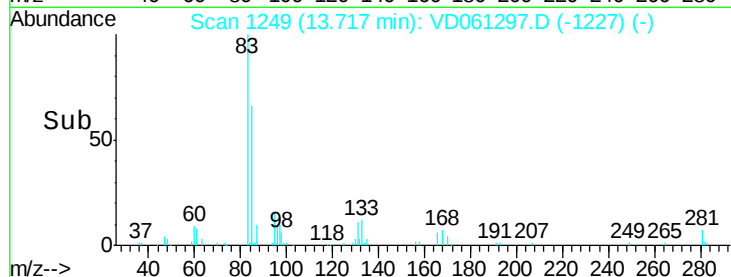
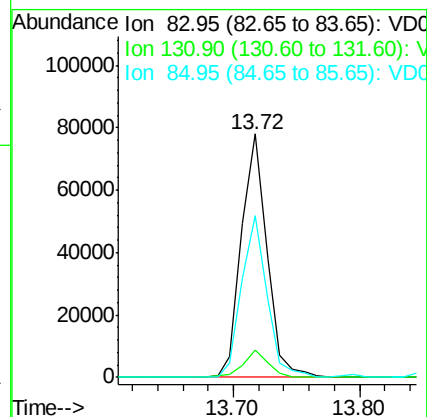
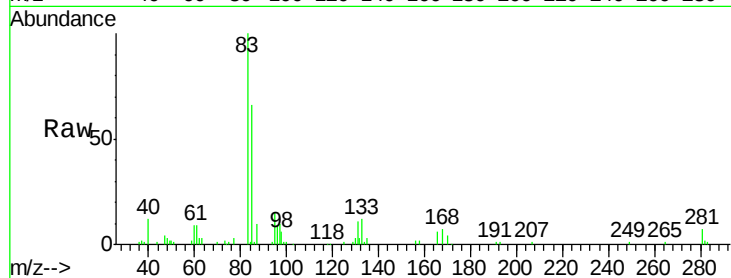
Tot Ion: 83 Resp: 108797

Ion Ratio Lower Upper

83 100

131 11.3 5.0 15.0

85 66.3 33.4 100.2



#76

1,2,3-Trichloropropane

Concen: 18.987 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061297.D

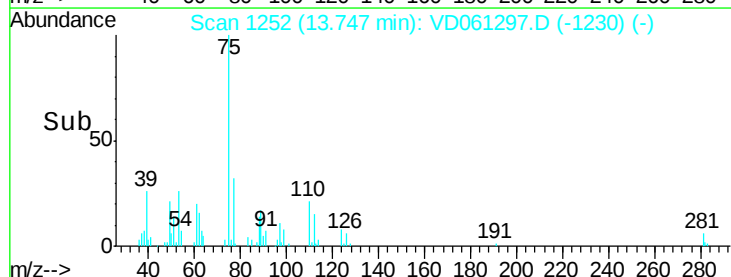
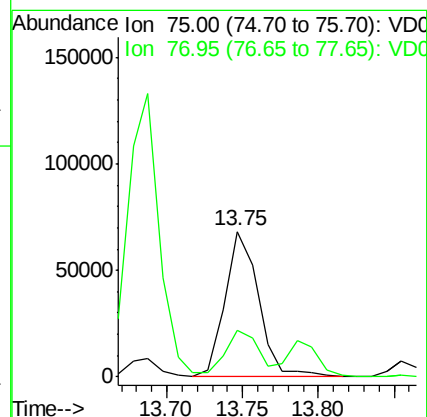
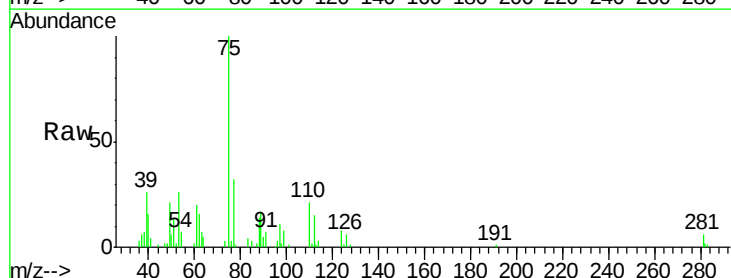
Acq: 25 Mar 2019 11:47

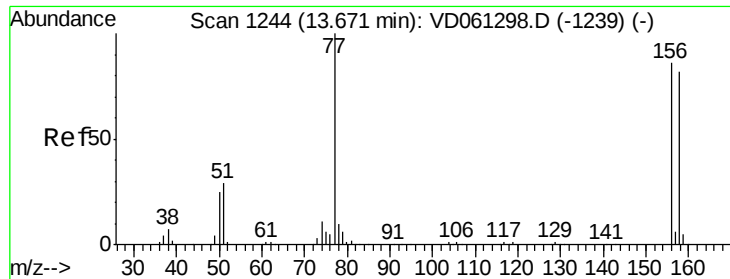
Tgt Ion: 75 Resp: 105229

Ion Ratio Lower Upper

75 100

77 31.7 15.8 47.4





#77

Bromobenzene

Concen: 19.137 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

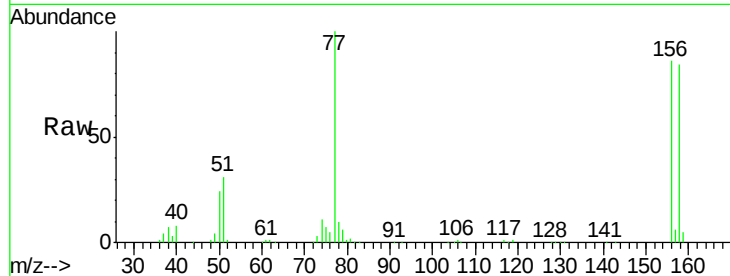
Tot Ion:156 Resp: 154941

Ion Ratio Lower Upper

156 100

77 115.8 58.4 175.1

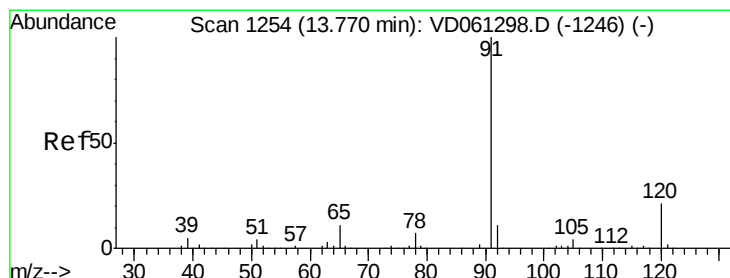
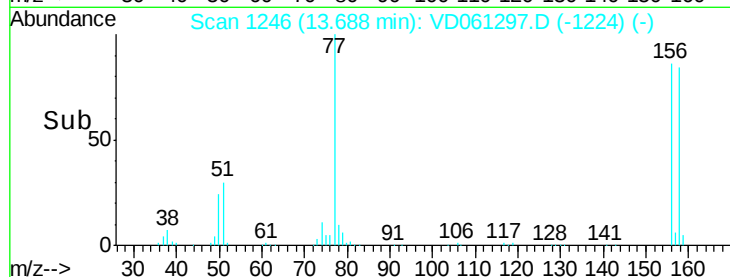
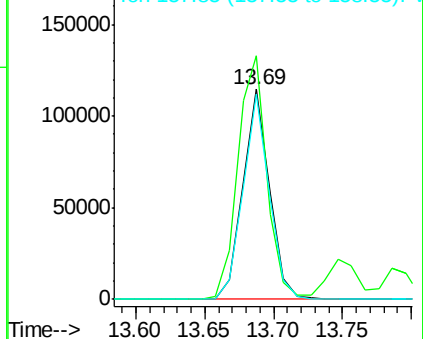
158 97.4 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.758 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061297.D

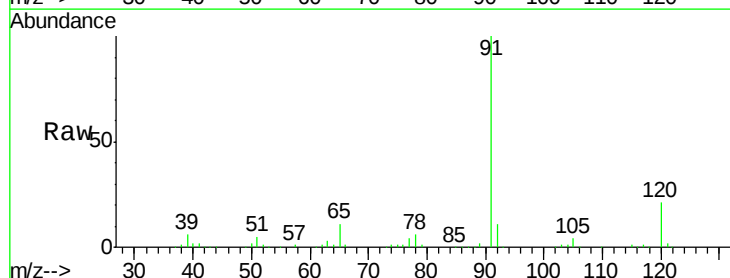
Acq: 25 Mar 2019 11:47

Tgt Ion: 91 Resp: 678828

Ion Ratio Lower Upper

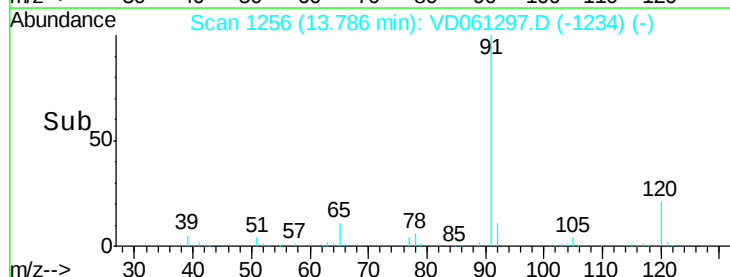
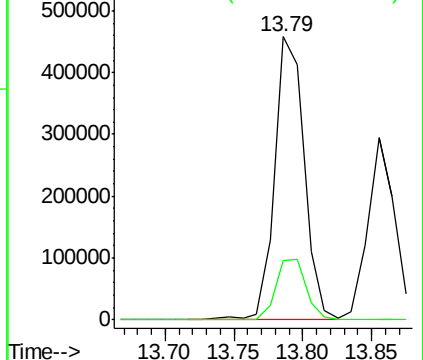
91 100

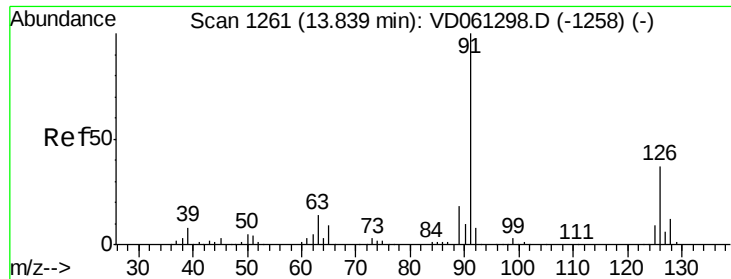
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

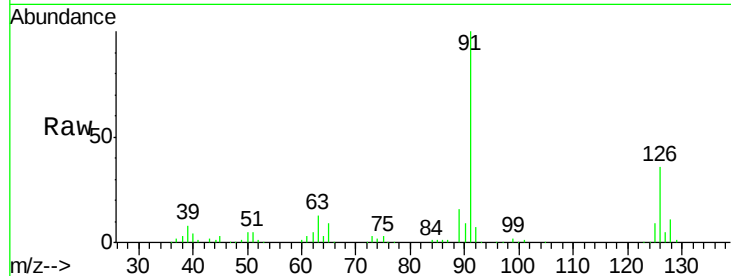




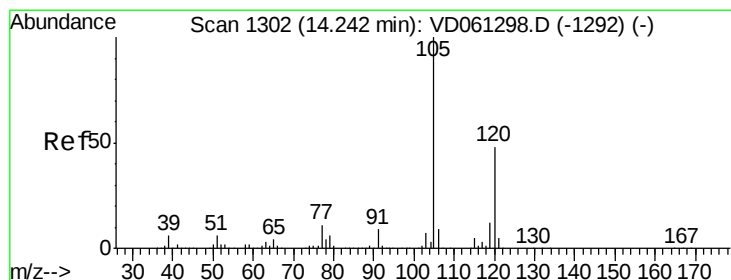
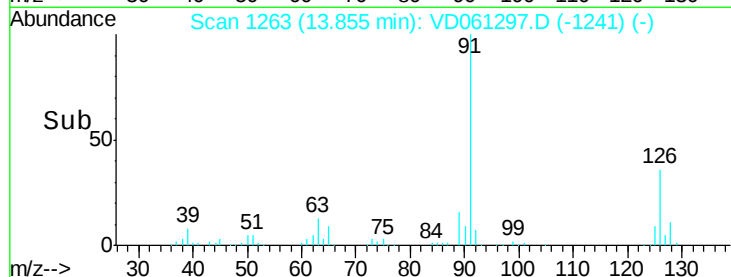
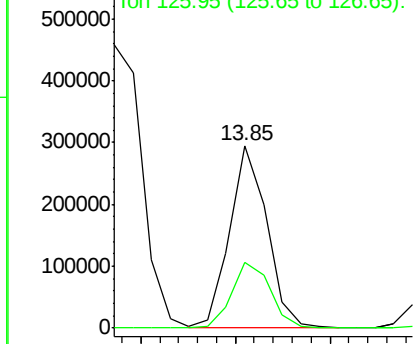
#79
2-Chlorotoluene
Concen: 20.941 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 397925
Ion Ratio Lower Upper
91 100
126 36.2 18.4 55.4

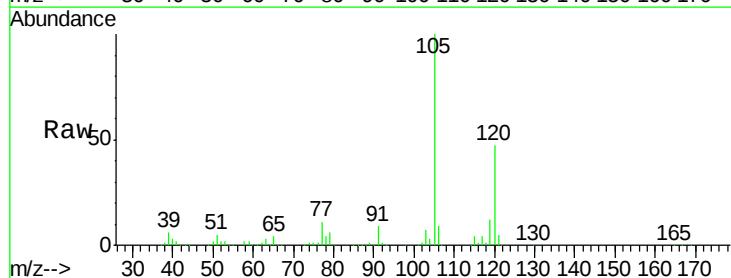


Abundance Ion 91.00 (90.70 to 91.70): VD061297.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061297.D (-1258) (-)

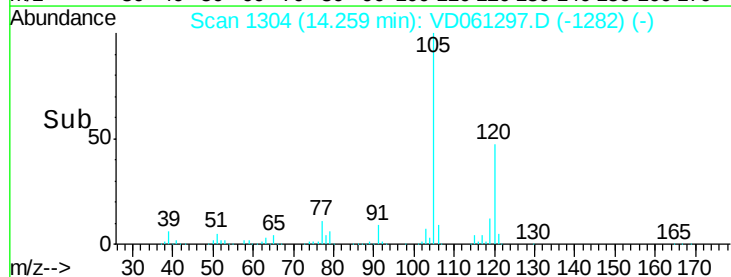
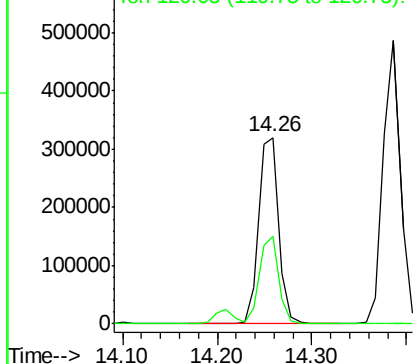


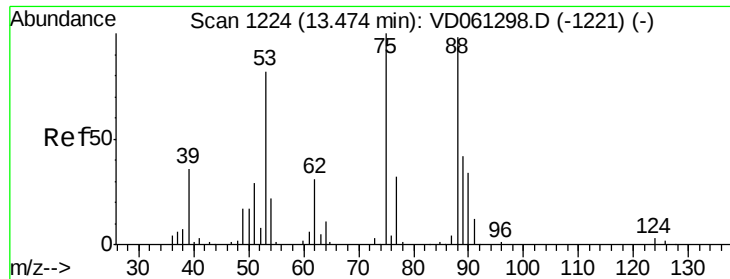
#80
1,3,5-Trimethylbenzene
Concen: 20.671 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 105 Resp: 472681
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061297.D (-1282) (-)
Ion 120.05 (119.75 to 120.75): VD061297.D (-1282) (-)

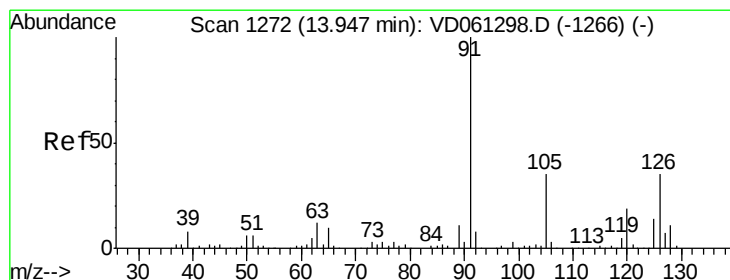
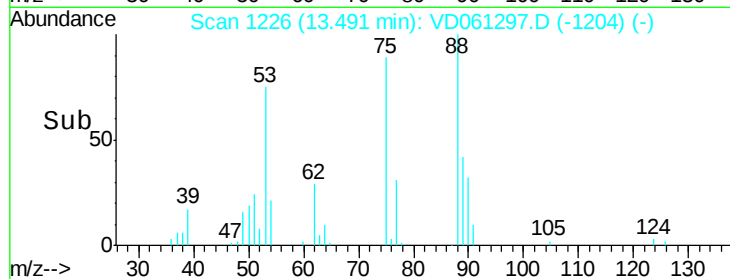
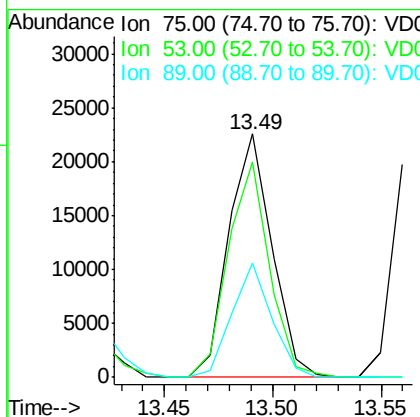
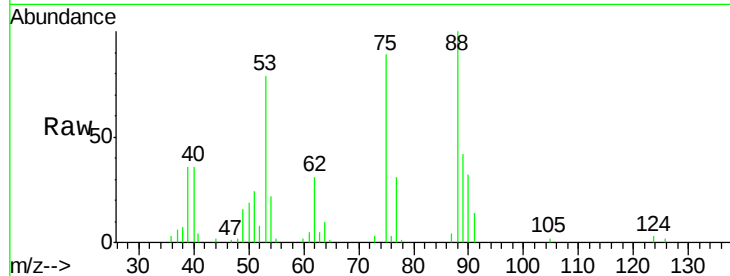




#81
trans-1,4-Dichloro-2-butene
Concen: 17.935 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

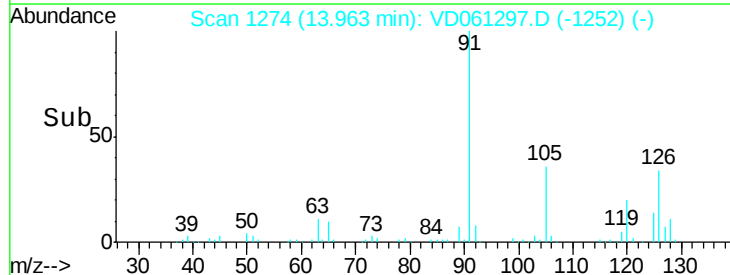
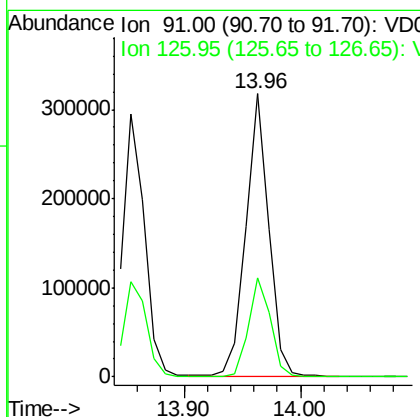
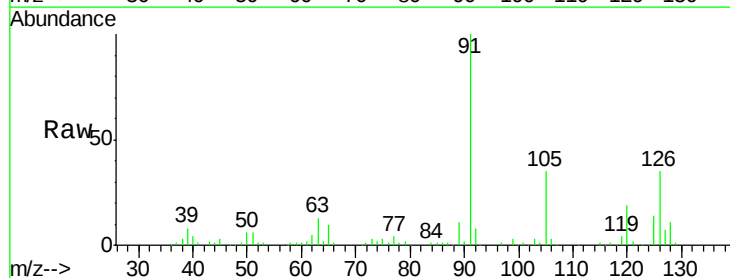
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

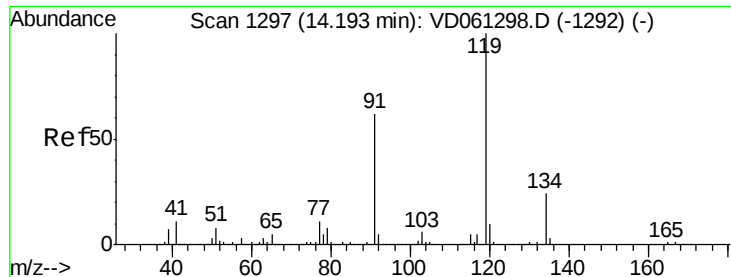
Tot Ion: 75 Resp: 31369
Ion Ratio Lower Upper
75 100
53 88.3 65.3 97.9
89 47.1 33.8 50.6



#82
4-Chlorotoluene
Concen: 20.810 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 91 Resp: 433182
Ion Ratio Lower Upper
91 100
126 35.2 17.7 53.1

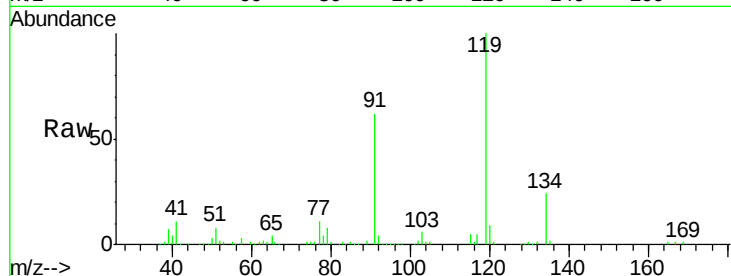




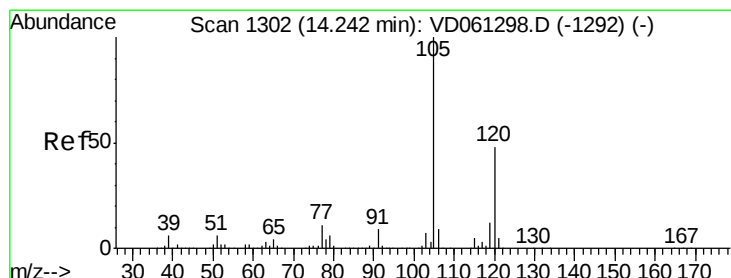
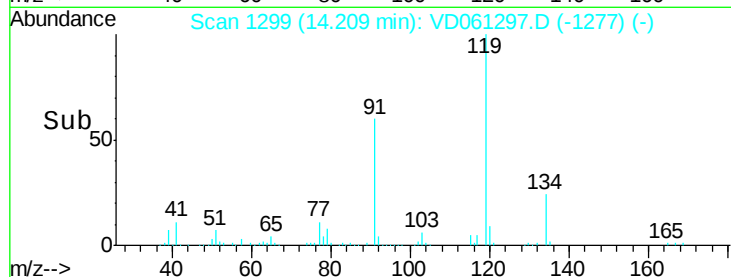
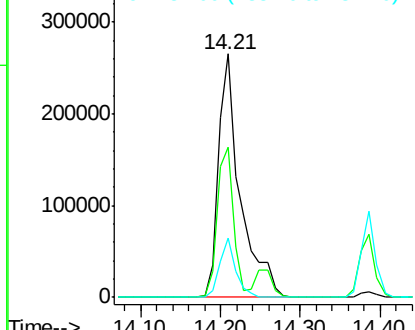
#83
tert-Butylbenzene
Concen: 19.505 ug/l
RT: 14.21 min Scan# 1299
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 509246
Ion Ratio Lower Upper
119 100
91 61.9 31.1 93.5
134 24.1 11.9 35.7

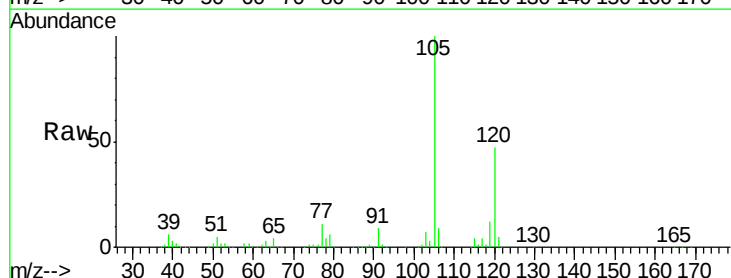


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

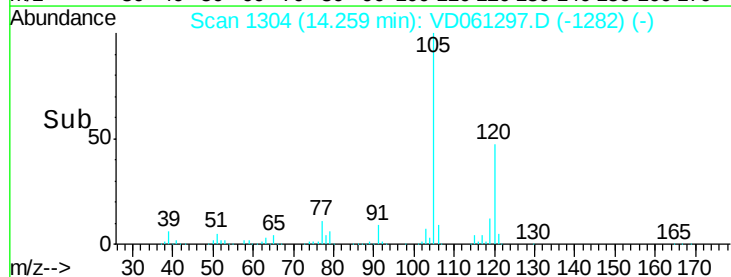
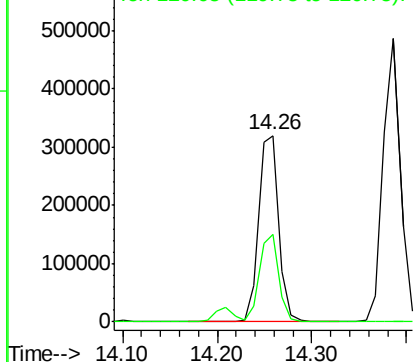


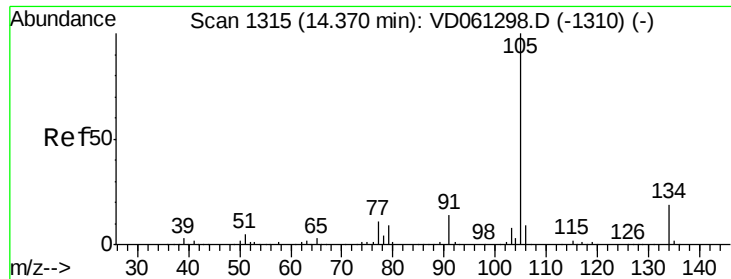
#84
1,2,4-Trimethylbenzene
Concen: 20.671 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.02 min
Lab File: VD061297.D
Acq: 25 Mar 2019 11:47

Tgt Ion:105 Resp: 472681
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.4



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





#85

sec-Butylbenzene

Concen: 21.346 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleID :

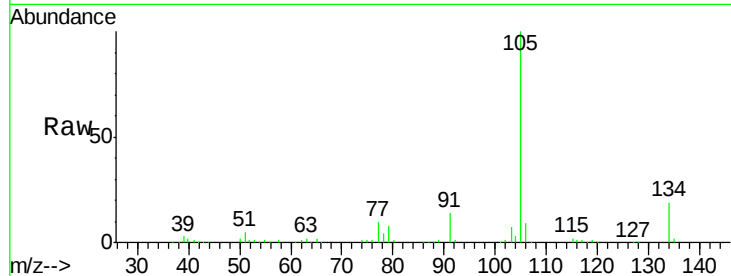
VSTDIC020

Tot Ion:105 Resp: 620661

Ion Ratio Lower Upper

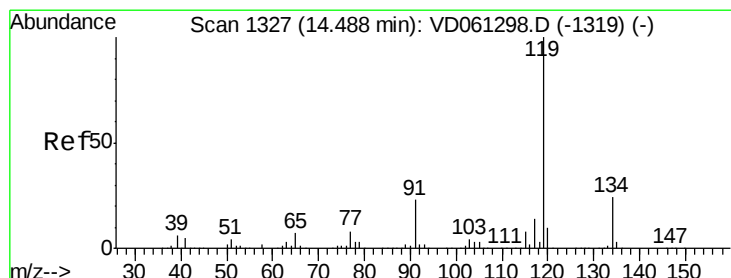
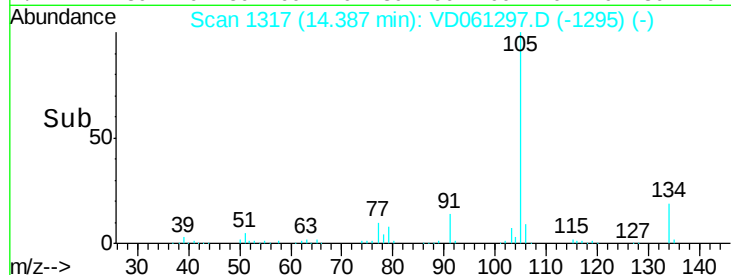
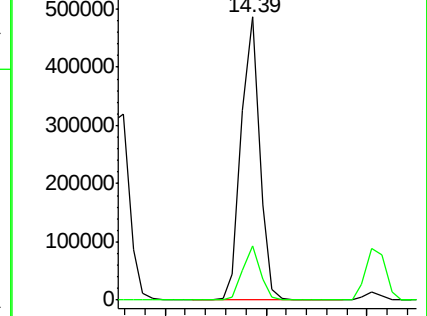
105 100

134 19.3 9.5 28.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.964 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

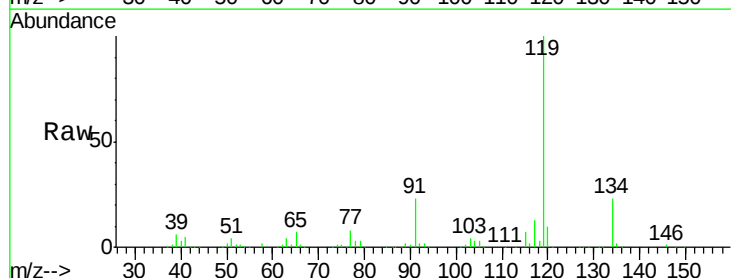
Tgt Ion:119 Resp: 517866

Ion Ratio Lower Upper

119 100

134 23.3 12.1 36.3

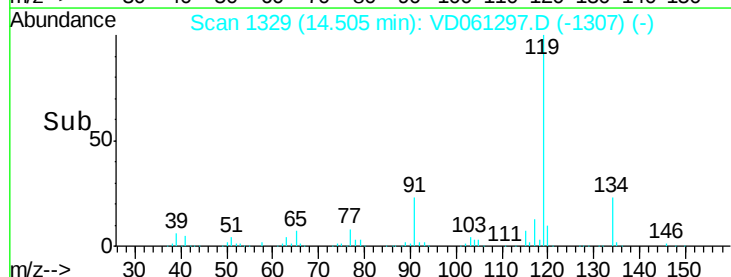
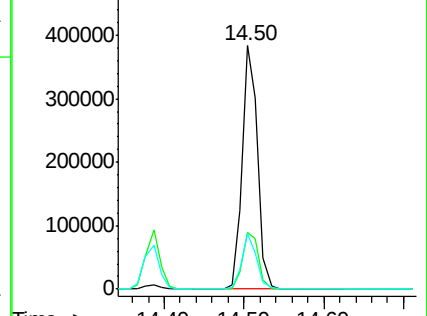
91 22.9 11.4 34.2

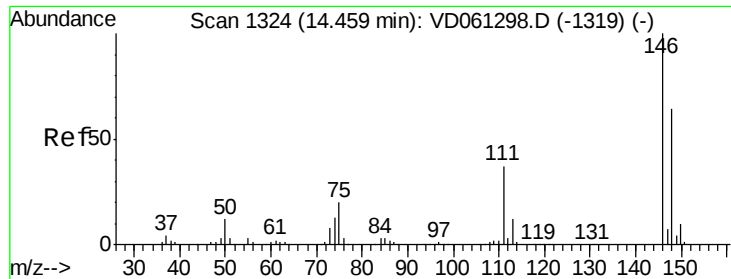


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

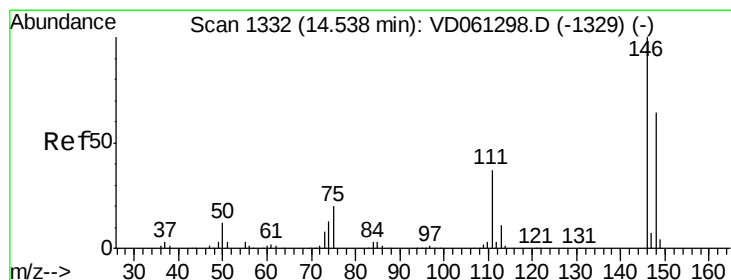
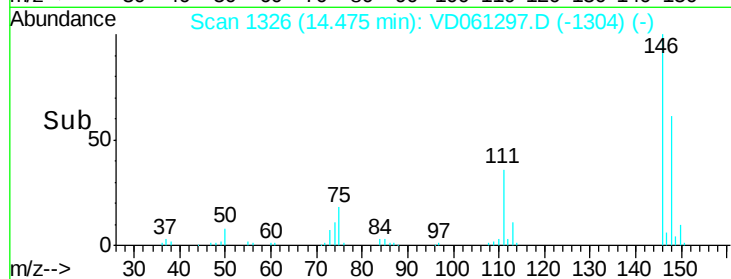
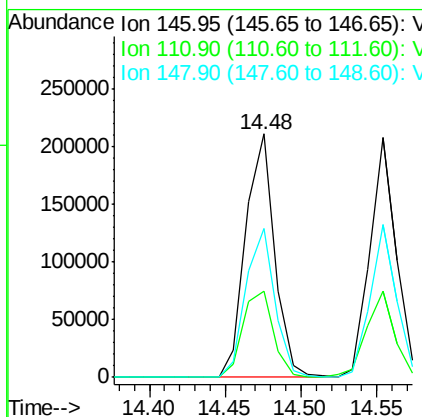
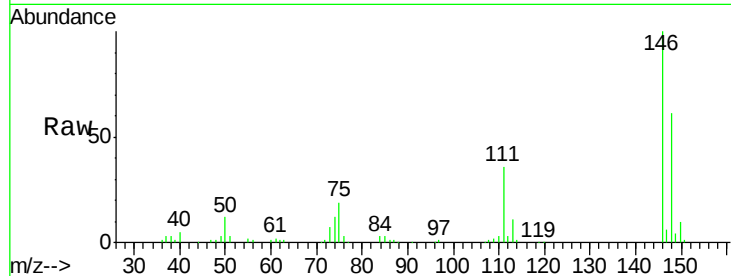




#87
 1,3-Dichlorobenzene
 Concen: 19.639 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

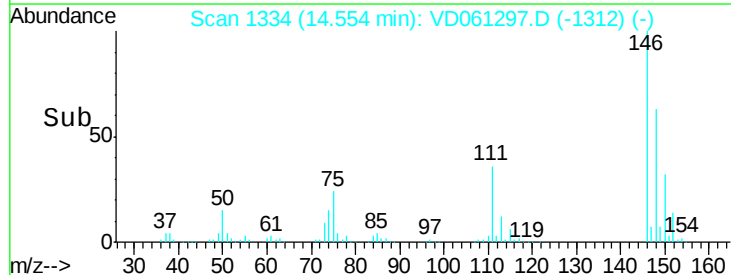
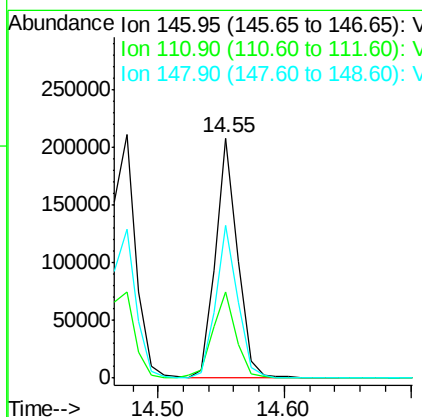
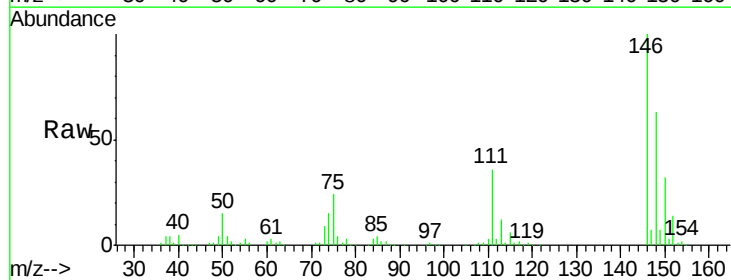
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

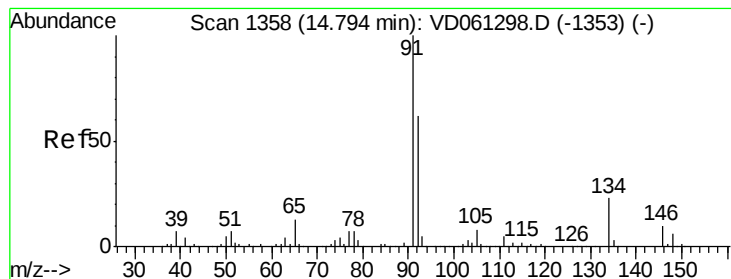
Tot Ion:146 Resp: 281855
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.4 55.0
 148 61.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.347 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion:146 Resp: 255055
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 55.6
 148 63.5 31.9 95.5





#89

n-Butylbenzene

Concen: 20.184 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

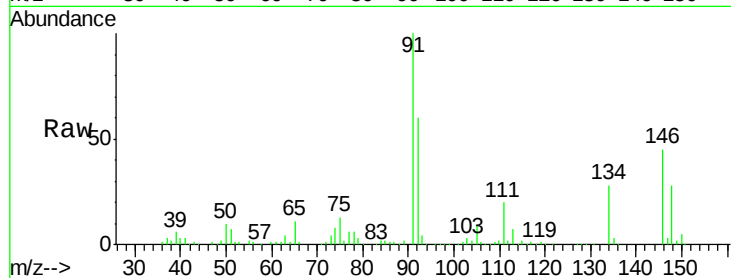
Tot Ion: 91 Resp: 464851

Ion Ratio Lower Upper

91 100

92 60.5 30.9 92.7

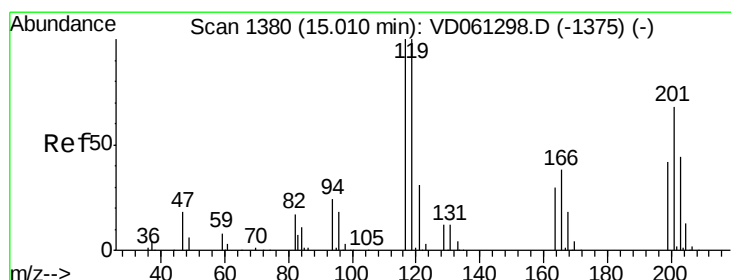
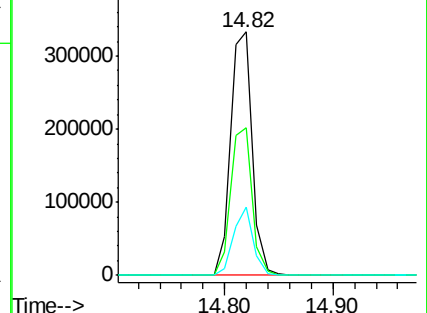
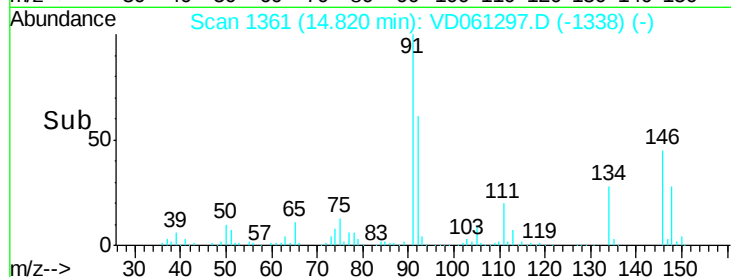
134 28.1 11.7 35.0



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: 20.348 ug/l

RT: 15.03 min Scan# 1382

Delta R.T. 0.02 min

Lab File: VD061297.D

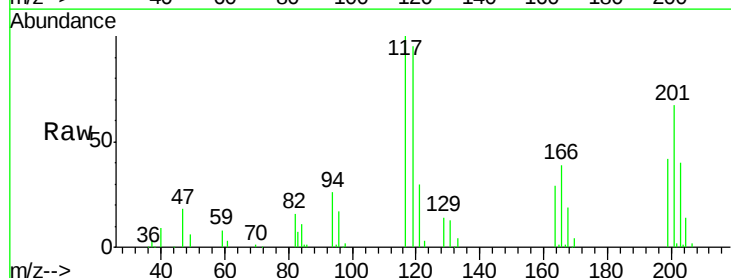
Acq: 25 Mar 2019 11:47

Tgt Ion: 117 Resp: 141521

Ion Ratio Lower Upper

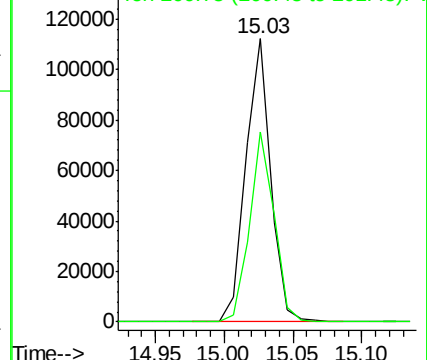
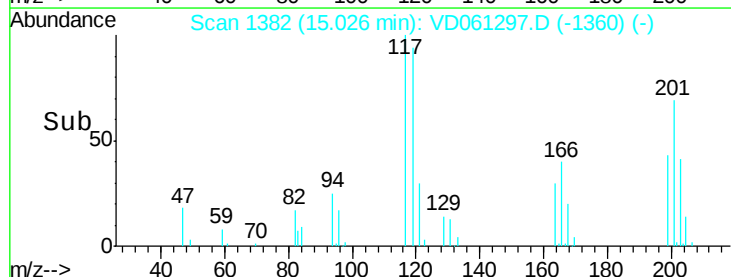
117 100

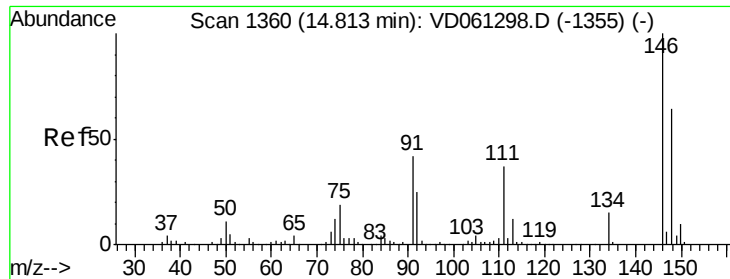
201 67.3 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

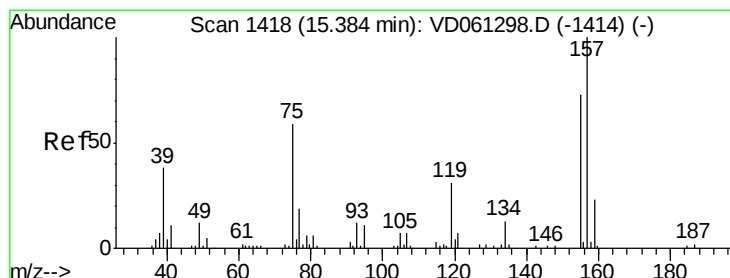
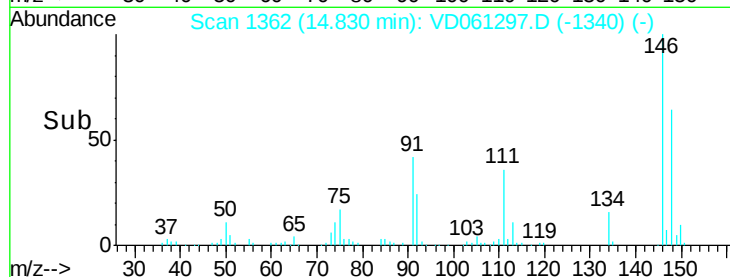
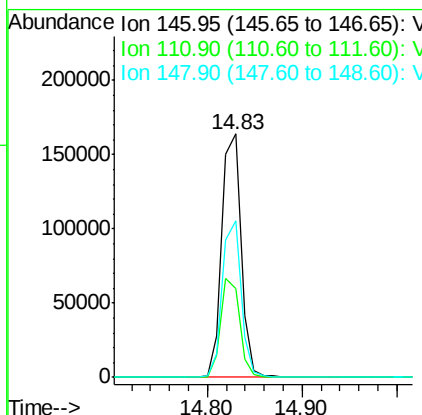
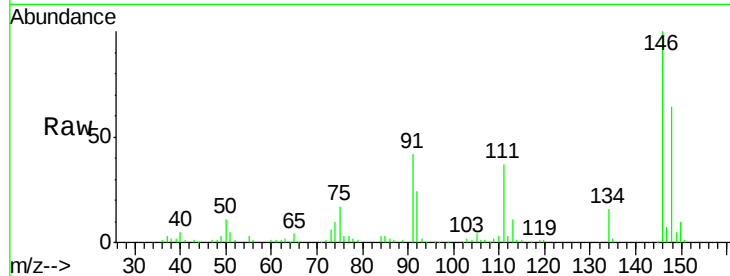




#91
 1,2-Dichlorobenzene
 Concen: 20.265 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

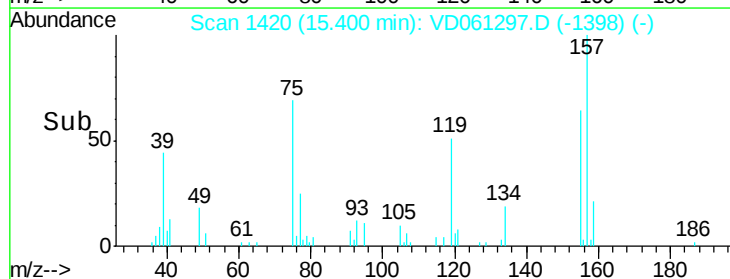
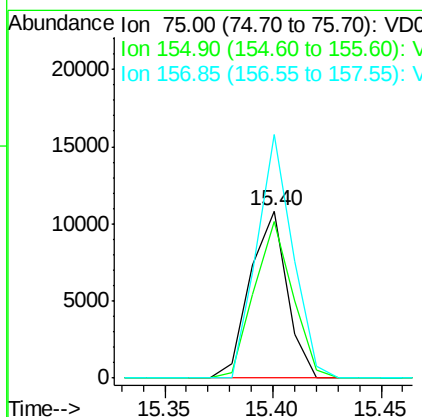
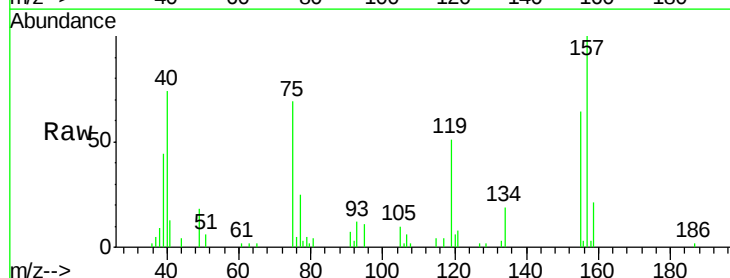
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

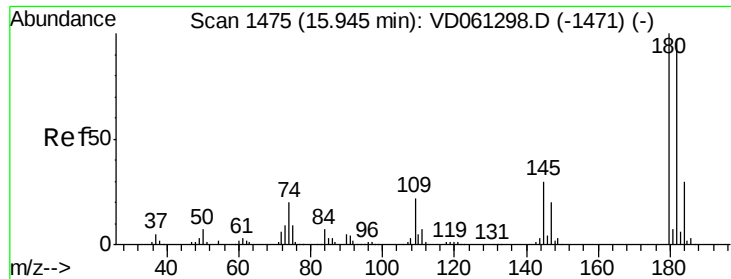
Tot Ion:146 Resp: 232064
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.8
 148 64.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.466 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 75 Resp: 12970
 Ion Ratio Lower Upper
 75 100
 155 93.7 61.9 185.7
 157 145.9 84.4 253.2

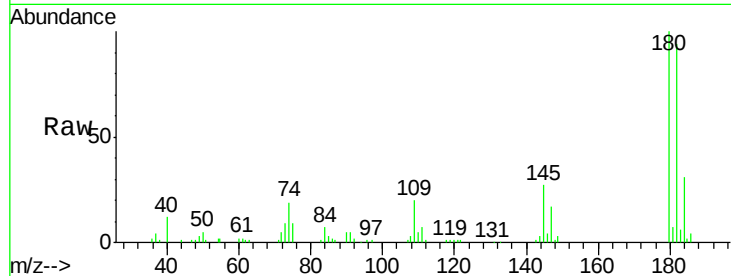




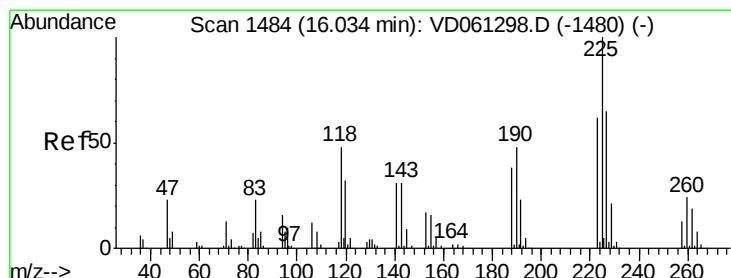
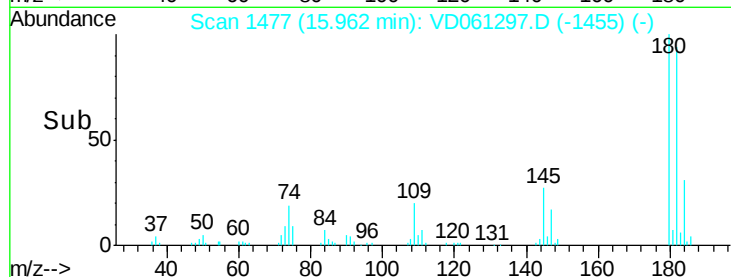
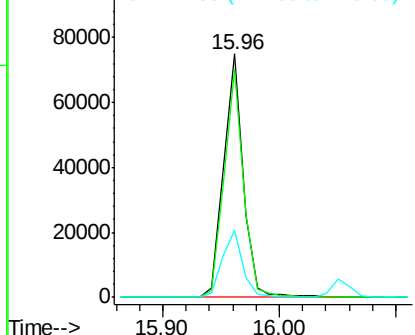
#93
 1,2,4-Trichlorobenzene
 Concen: 16.457 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 87037
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.3 144.9
 145 27.3 14.8 44.4

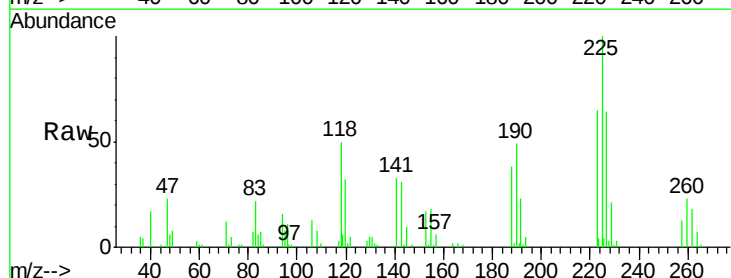


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

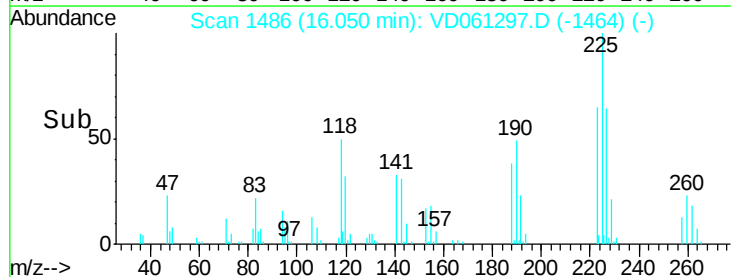
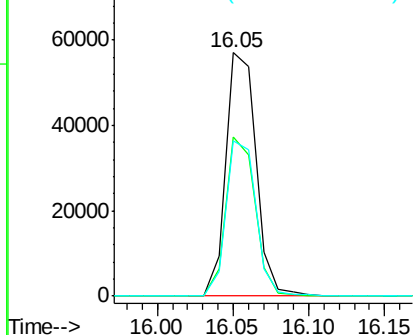


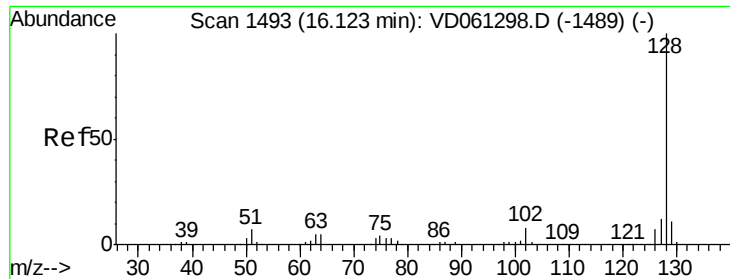
#94
 Hexachlorobutadiene
 Concen: 18.501 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061297.D
 Acq: 25 Mar 2019 11:47

Tgt Ion:225 Resp: 78847
 Ion Ratio Lower Upper
 225 100
 223 65.2 30.9 92.8
 227 64.0 32.6 97.7



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





#95

Naphthalene

Concen: 16.950 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

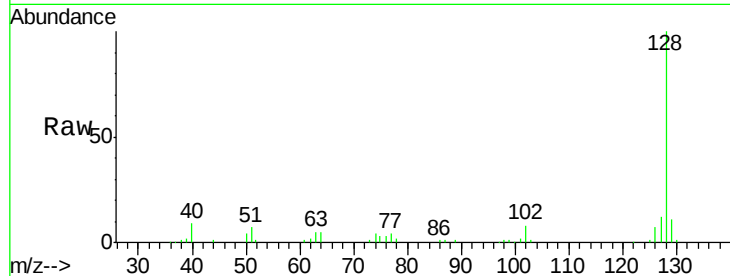
Tot Ion:128 Resp: 130784

Ion Ratio Lower Upper

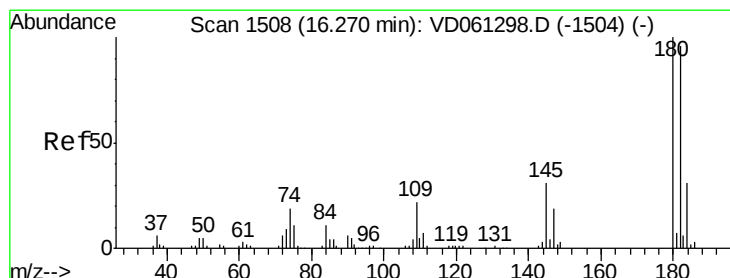
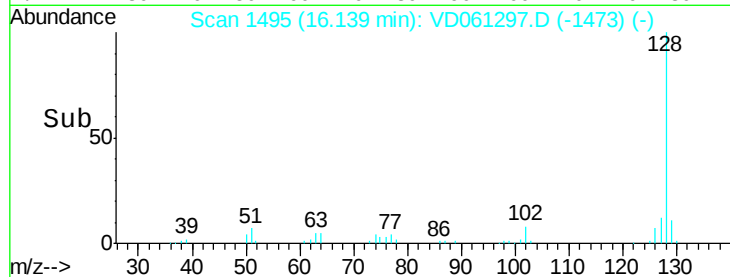
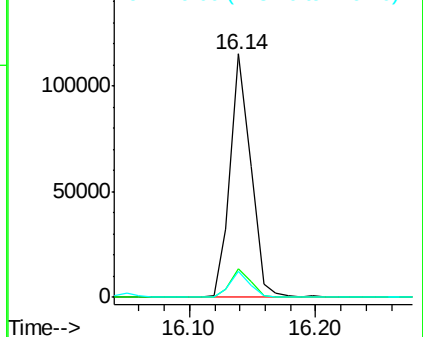
128 100

127 12.0 9.8 14.6

129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.935 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VD061297.D

Acq: 25 Mar 2019 11:47

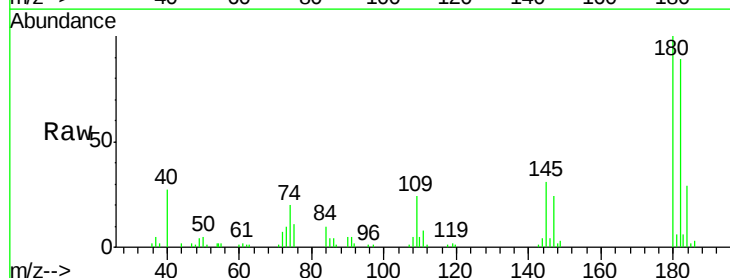
Tgt Ion:180 Resp: 41831

Ion Ratio Lower Upper

180 100

182 89.1 48.0 144.2

145 31.5 15.4 46.4



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

