

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD060997.D
 Acq On : 11 Mar 2019 11:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Quant Time: Mar 12 05:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	846540	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1392496	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1179578	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	470707	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	289949	41.15	ug/l	0.02
Spiked Amount			Recovery	=	82.30%	
35) Dibromofluoromethane	6.94	113	479650	46.41	ug/l	0.01
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	10.42	98	1149140	44.28	ug/l	0.02
Spiked Amount			Recovery	=	88.56%	
62) 4-Bromofluorobenzene	13.56	95	472808	46.95	ug/l	0.01
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	353750	42.186	ug/l	98
3) Chloromethane	1.76	50	296689	42.473	ug/l	99
4) Vinyl Chloride	1.86	62	278509	43.148	ug/l	99
5) Bromomethane	2.16	94	60425	53.539	ug/l	96
6) Chloroethane	2.28	64	95984	49.681	ug/l	97
7) Trichlorofluoromethane	2.55	101	383707	41.381	ug/l	98
8) Diethyl Ether	2.88	74	149926	49.012	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	462703	44.633	ug/l	99
10) Methyl Iodide	3.33	142	657638	46.295	ug/l	100
11) Tert butyl alcohol	4.07	59	118733	264.679	ug/l	98
12) 1,1-Dichloroethene	3.15	96	384908	45.296	ug/l	93
13) Acrolein	3.05	56	170561	262.777	ug/l	100
14) Allyl chloride	3.64	41	634966	46.702	ug/l	98
15) Acrylonitrile	4.21	53	381193	240.429	ug/l	96
16) Acetone	3.24	43	477504	236.975	ug/l	99
17) Carbon Disulfide	3.39	76	1329656	46.386	ug/l	99
18) Methyl Acetate	3.66	43	191641	48.327	ug/l #	90
19) Methyl tert-butyl Ether	4.25	73	721016	48.416	ug/l	99
20) Methylene Chloride	3.84	84	429522	46.416	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	439526	47.788	ug/l	95
22) Diisopropyl ether	5.14	45	1236567	43.813	ug/l	98
23) Vinyl Acetate	5.08	43	3369174	232.539	ug/l	99
24) 1,1-Dichloroethane	5.00	63	704035	45.527	ug/l	99
25) 2-Butanone	6.08	43	561264	245.472	ug/l	98
26) 2,2-Dichloropropane	6.04	77	577619	47.848	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	475382	48.715	ug/l	96
28) Bromochloromethane	6.46	49	285241	43.571	ug/l	98
29) Tetrahydrofuran	6.47	42	253844	204.457	ug/l	96
30) Chloroform	6.68	83	740038	46.174	ug/l	97
31) Cyclohexane	6.98	56	622891	49.955	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	640304	46.211	ug/l	98
36) 1,1-Dichloropropene	7.17	75	563430	46.940	ug/l	98
37) Ethyl Acetate	6.20	43	244155	43.347	ug/l	99
38) Carbon Tetrachloride	7.14	117	694059	52.494	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	613696	49.308	ug/l	96
40) Benzene	7.47	78	1378743	45.969	ug/l	100
41) Methacrylonitrile	6.47	41	276974	42.751	ug/l	95
42) 1,2-Dichloroethane	7.60	62	400162	45.976	ug/l	98
43) Isopropyl Acetate	9.25	43	346676	44.438	ug/l #	95
44) Trichloroethene	8.55	130	494208	47.762	ug/l	100
45) 1,2-Dichloropropane	8.96	63	390449	49.551	ug/l	99
46) Dibromomethane	9.07	93	234266	46.869	ug/l	99
47) Bromodichloromethane	9.39	83	554000	49.117	ug/l	98
48) Methyl methacrylate	9.13	41	209025	47.587	ug/l	96
49) 1,4-Dioxane	9.09	88	45259	1018.983	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	1027500	214.987	ug/l	98
52) Toluene	10.52	92	841256	45.106	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	514721	49.907	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	572459	46.196	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	300238	48.339	ug/l	96
56) Ethyl methacrylate	11.05	69	317174	48.787	ug/l	98
57) 1,3-Dichloropropane	11.42	76	412185	44.408	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	774491	225.062	ug/l	98
59) 2-Hexanone	11.55	43	786748	225.038	ug/l	100
60) Dibromochloromethane	11.69	129	427988	46.821	ug/l	97
61) 1,2-Dibromoethane	11.82	107	355554	49.210	ug/l	99
64) Tetrachloroethene	11.27	164	366824	46.068	ug/l	96
65) Chlorobenzene	12.41	112	1106207	47.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	403880	48.997	ug/l	98
67) Ethyl Benzene	12.53	91	1609761	46.759	ug/l	100
68) m/p-Xylenes	12.68	106	1270551	94.029	ug/l	99
69) o-Xylene	13.06	106	632077	47.588	ug/l	98
70) Styrene	13.08	104	988004	45.554	ug/l	98
71) Bromoform	13.24	173	241426	45.402	ug/l	97
73) Isopropylbenzene	13.42	105	1678601	49.483	ug/l	99
74) N-amyl acetate	13.27	43	457989	47.947	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	316827	47.870	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	335057	49.477	ug/l	100
77) Bromobenzene	13.68	156	440449	50.863	ug/l	98
78) n-propylbenzene	13.78	91	1960329	49.362	ug/l	98
79) 2-Chlorotoluene	13.85	91	1062384	48.591	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	1209974	46.984	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	102389	51.284	ug/l	96
82) 4-Chlorotoluene	13.96	91	1187106	45.928	ug/l	96
83) tert-Butylbenzene	14.19	119	1447258	51.351	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1209974	46.984	ug/l	99
85) sec-Butylbenzene	14.37	105	1571046	45.661	ug/l	96
86) p-Isopropyltoluene	14.50	119	1327397	47.198	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	760203	49.163	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	736048	48.440	ug/l	99
89) n-Butylbenzene	14.80	91	1279974	47.392	ug/l	97
90) Hexachloroethane	15.01	117	398214	50.144	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	653879	50.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39756	49.847	ug/l	79

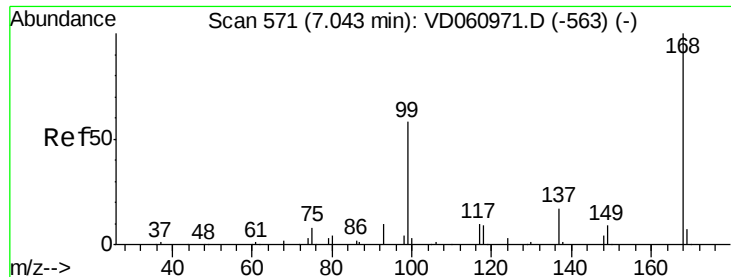
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	302908	50.654	ug/l	97
94) Hexachlorobutadiene	16.04	225	231489	51.178	ug/l	98
95) Naphthalene	16.13	128	487397	53.635	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150168	50.843	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

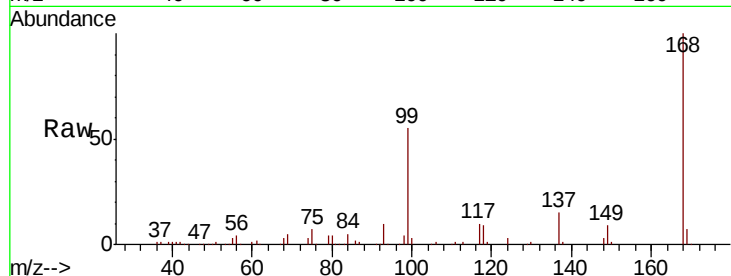
VSTD05006

Tot Ion:168 Resp: 846540

Ion Ratio Lower Upper

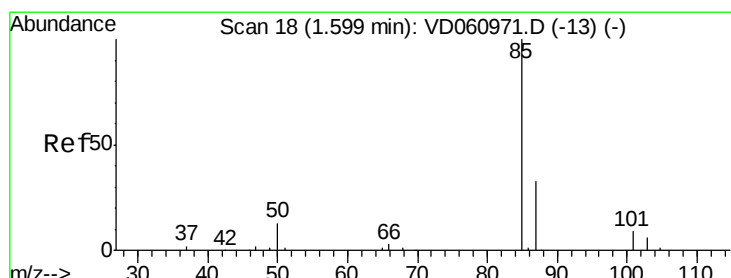
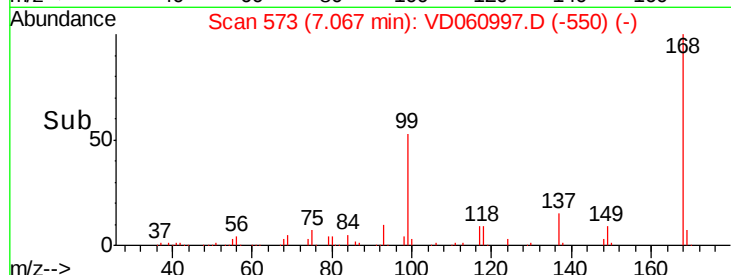
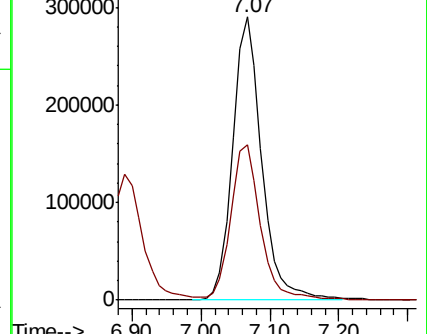
168 100

99 54.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.186 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060997.D

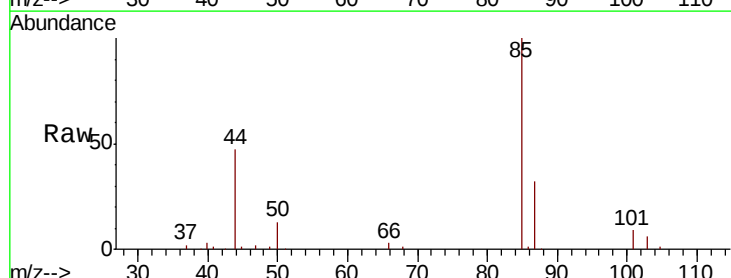
Acq: 11 Mar 2019 11:20

Tgt Ion: 85 Resp: 353750

Ion Ratio Lower Upper

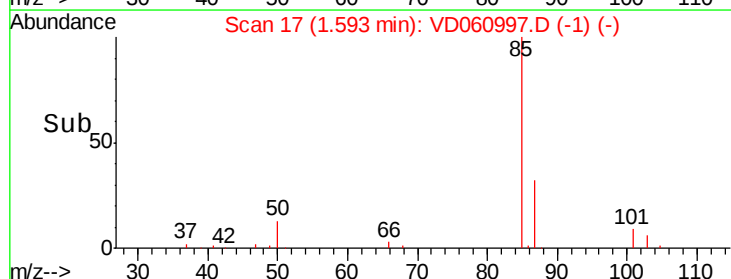
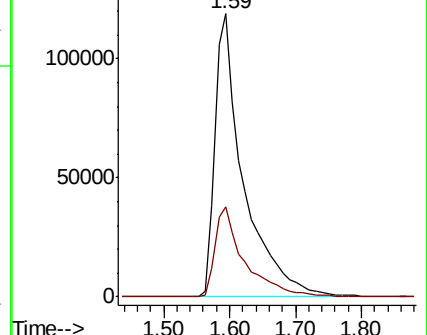
85 100

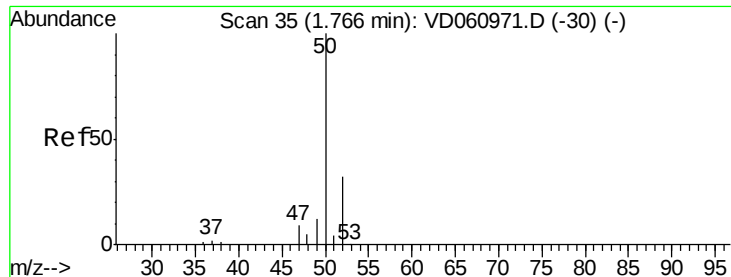
87 31.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.473 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

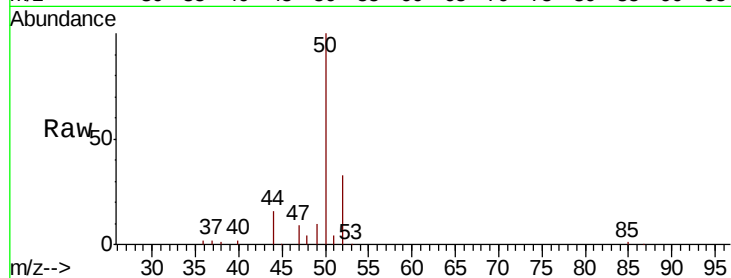
VSTD05006

Tot Ion: 50 Resp: 296689

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

100000

80000

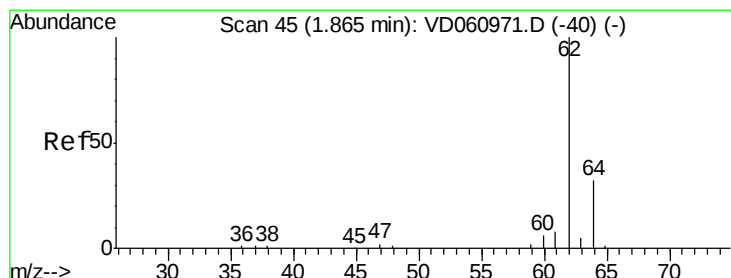
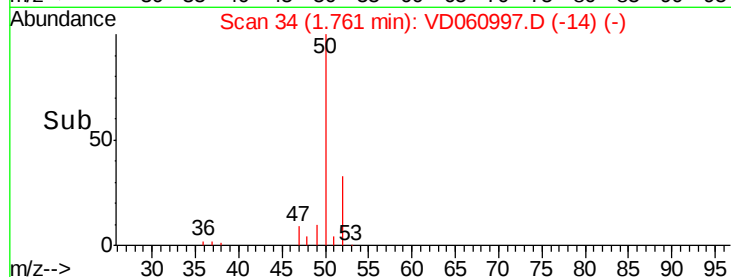
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 43.148 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060997.D

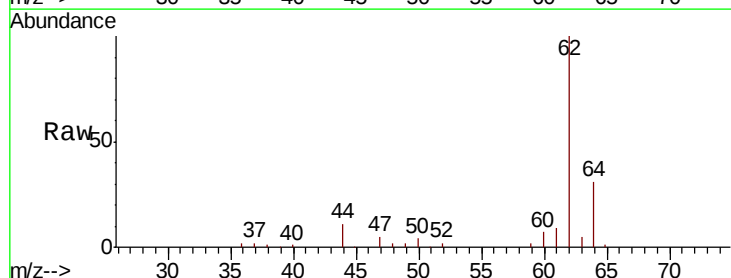
Acq: 11 Mar 2019 11:20

Tgt Ion: 62 Resp: 278509

Ion Ratio Lower Upper

62 100

64 31.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

120000

100000

80000

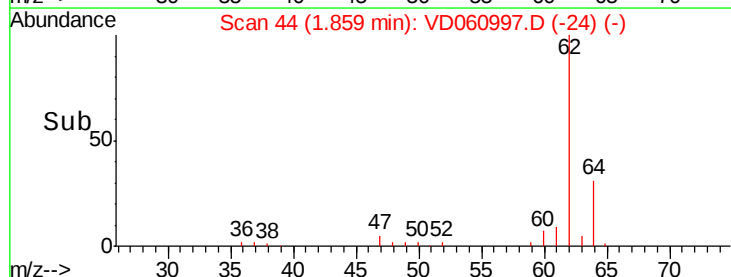
60000

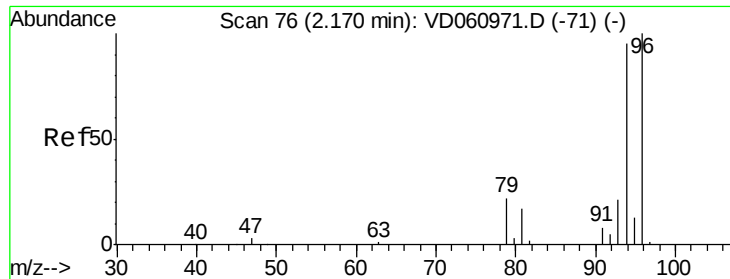
40000

20000

0

Time--> 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 53.539 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

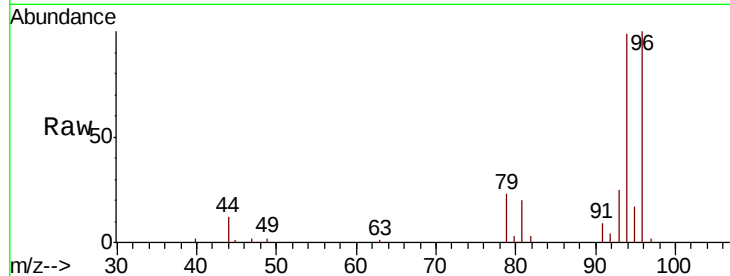
Tot Ion: 94 Resp: 60425

Ion Ratio Lower Upper

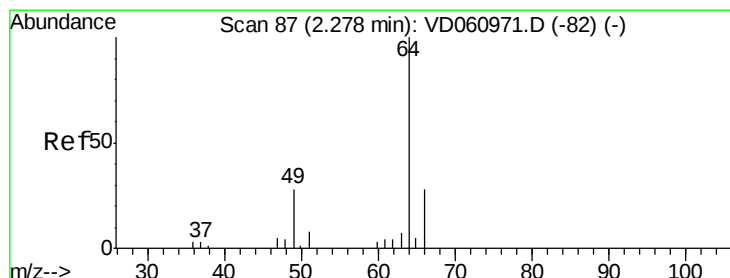
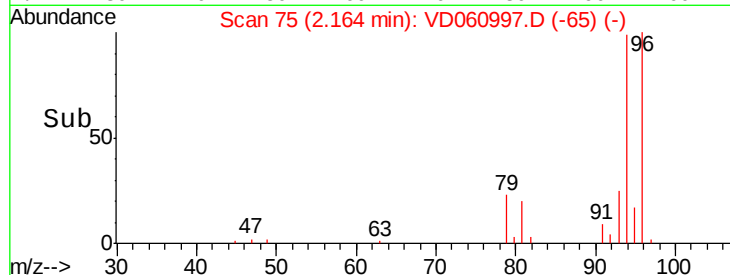
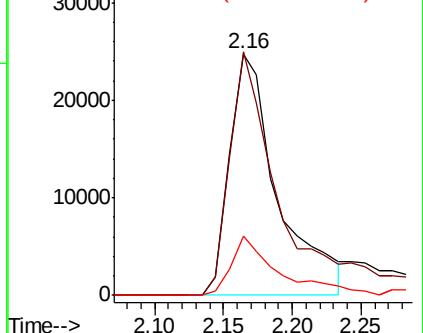
94 100

96 100.9 84.0 126.0

93 24.8 17.3 25.9



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



#6

Chloroethane

Concen: 49.681 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060997.D

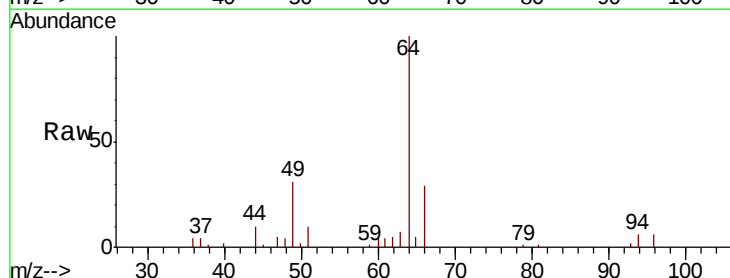
Acq: 11 Mar 2019 11:20

Tgt Ion: 64 Resp: 95984

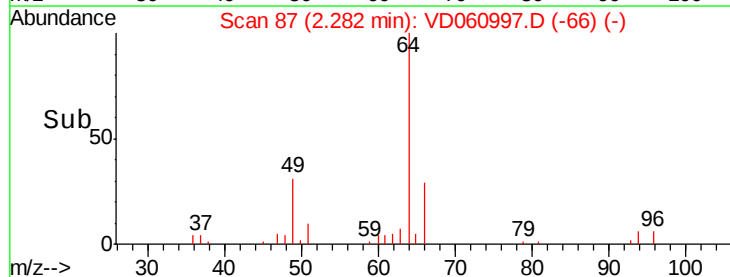
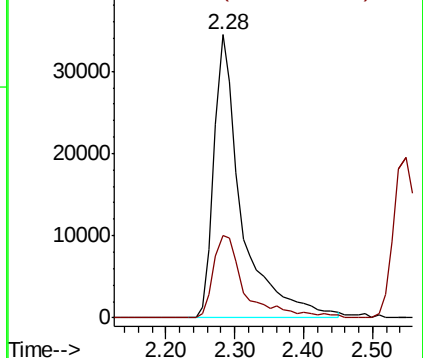
Ion Ratio Lower Upper

64 100

66 29.1 22.2 33.2



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



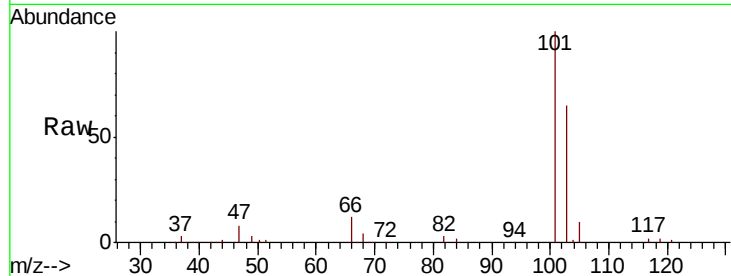


#7

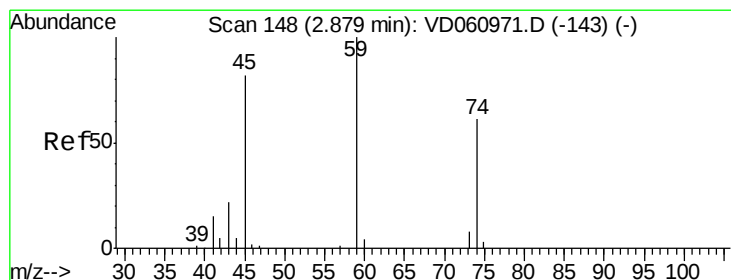
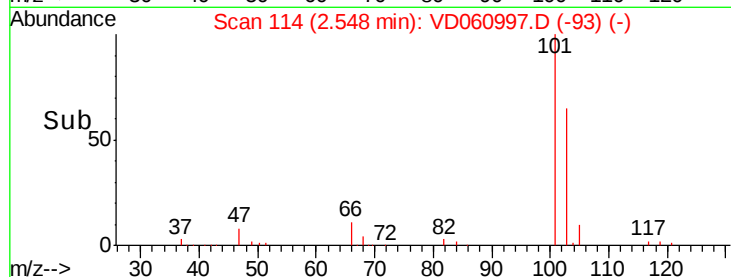
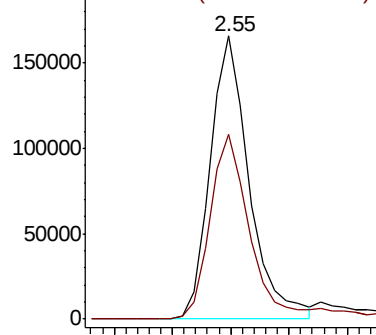
Trichlorofluoromethane
Concen: 41.381 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion:101 Resp: 383707
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8



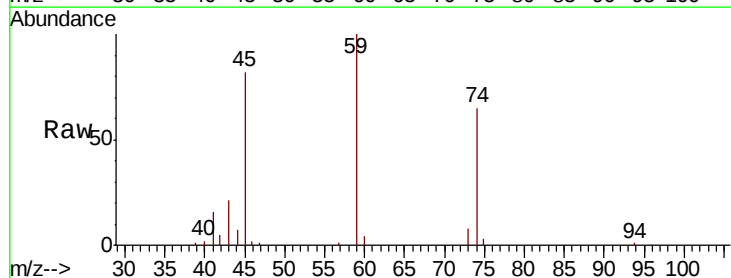
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



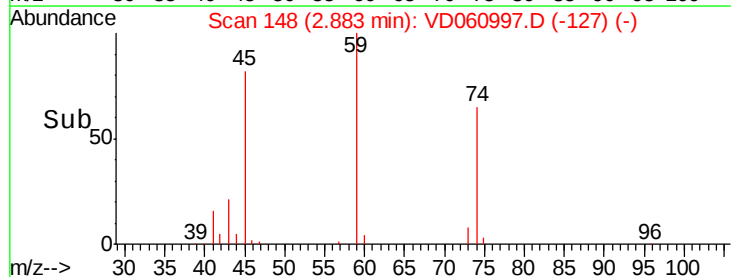
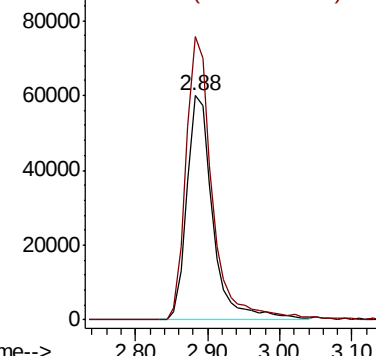
#8

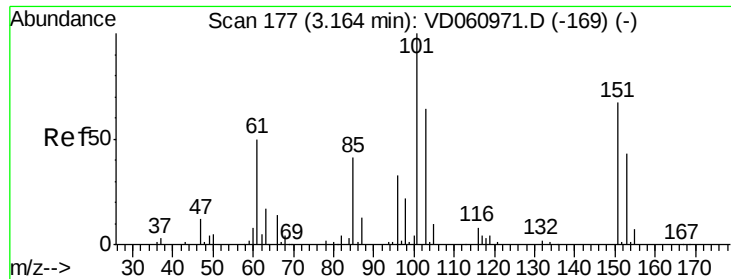
Diethyl Ether
Concen: 49.012 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 74 Resp: 149926
Ion Ratio Lower Upper
74 100
45 126.1 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.633 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

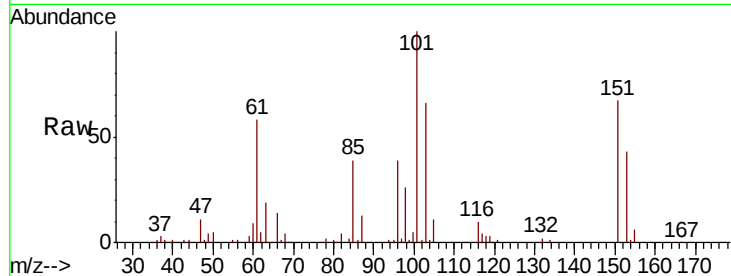
Tot Ion:101 Resp: 462703

Ion Ratio Lower Upper

101 100

85 38.8 32.5 48.7

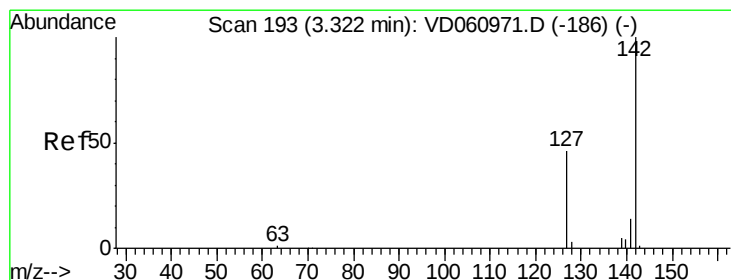
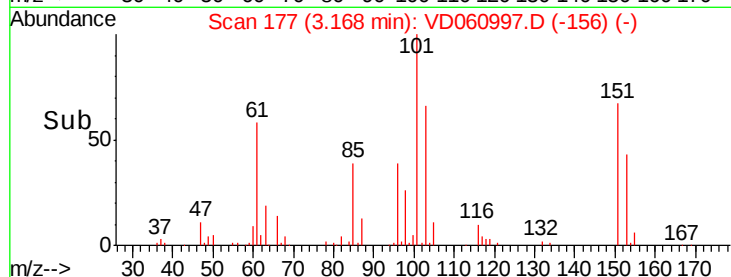
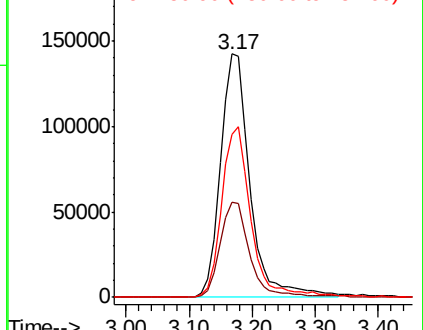
151 66.8 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.295 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

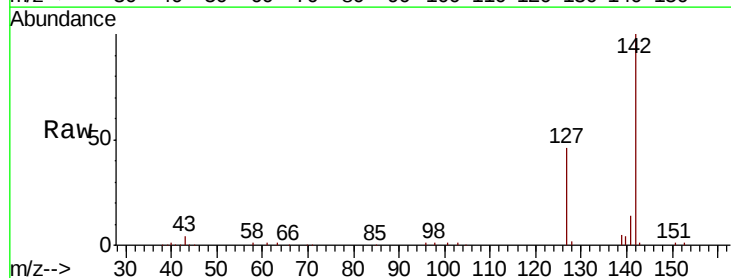
Tgt Ion:142 Resp: 657638

Ion Ratio Lower Upper

142 100

127 45.8 36.8 55.2

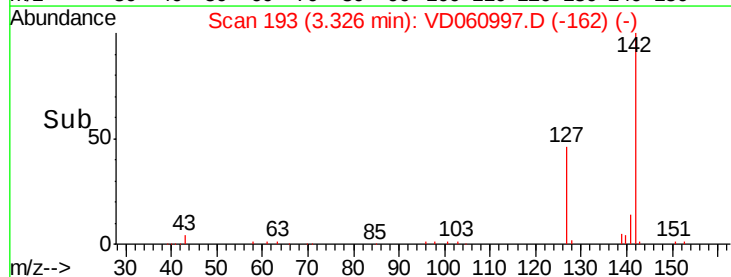
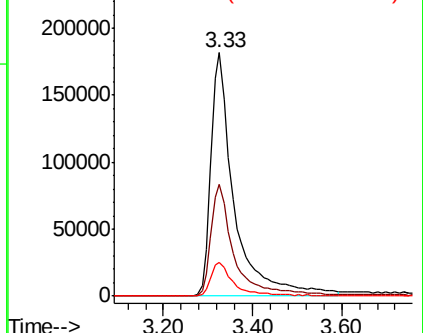
141 14.0 11.2 16.8

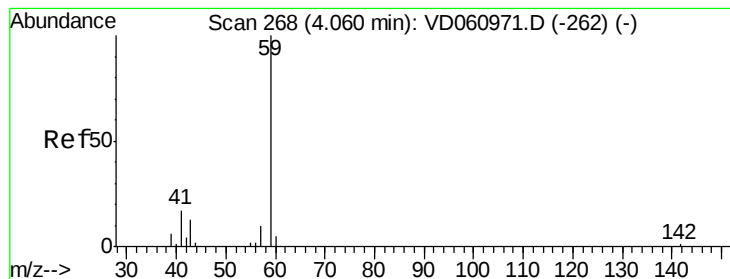


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



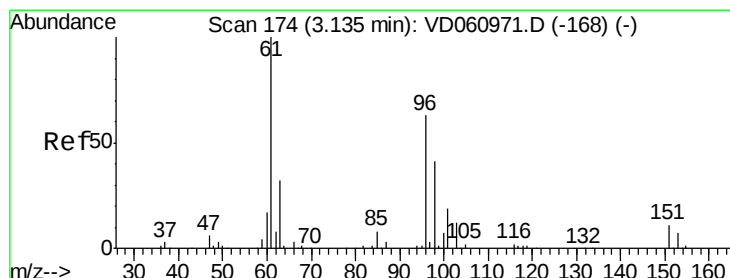
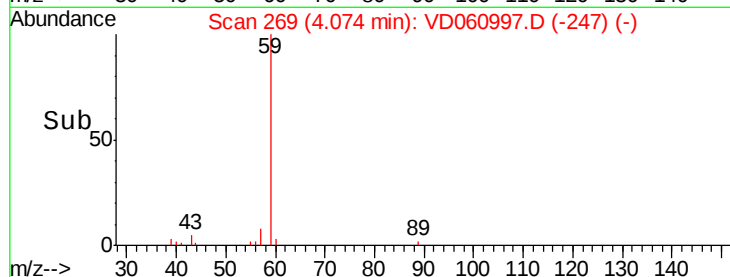
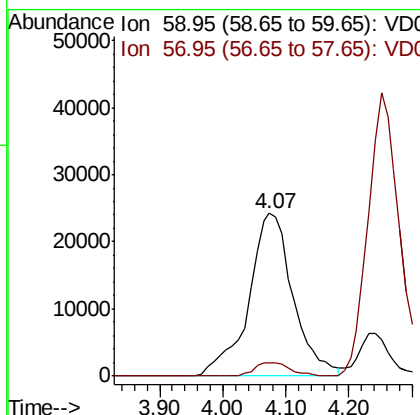
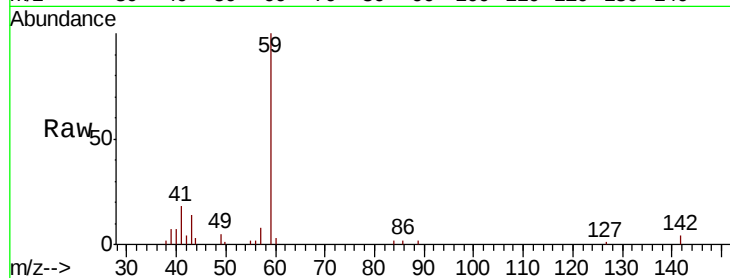


#11

Tert butyl alcohol
Concen: 264.679 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

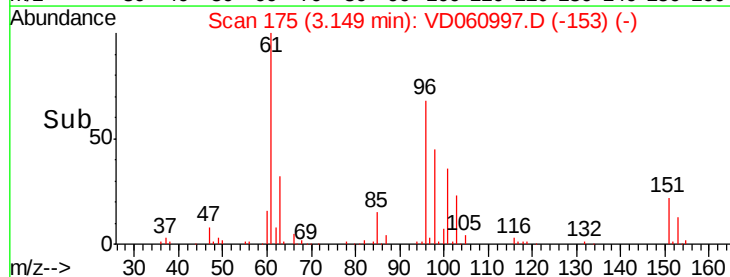
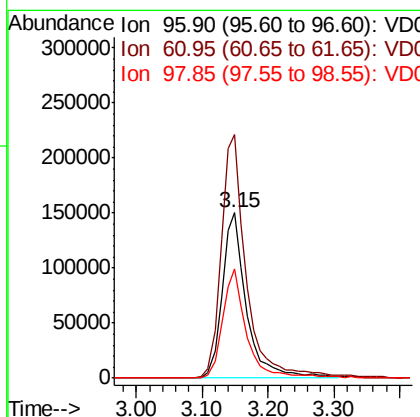
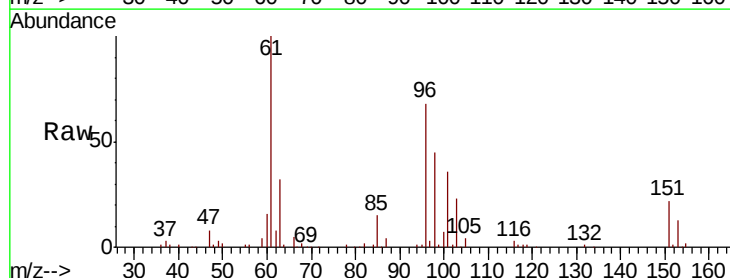
Tot Ion: 59 Resp: 118733
Ion Ratio Lower Upper
59 100
57 8.3 7.1 10.7

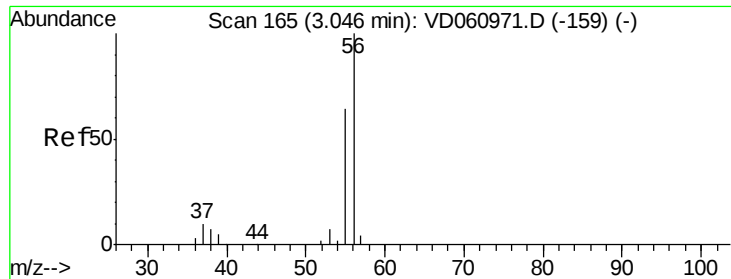


#12

1,1-Dichloroethene
Concen: 45.296 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 96 Resp: 384908
Ion Ratio Lower Upper
96 100
61 147.5 127.1 190.7
98 66.0 51.5 77.3

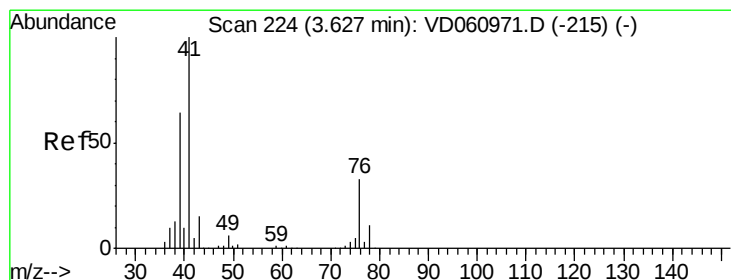
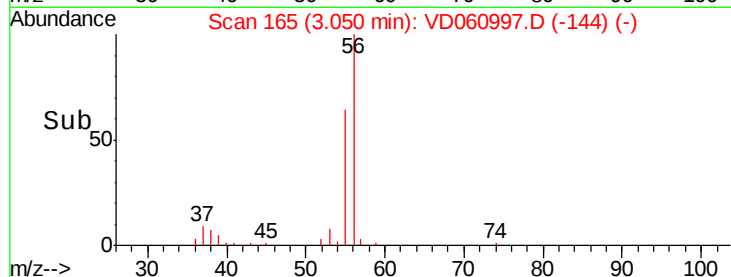
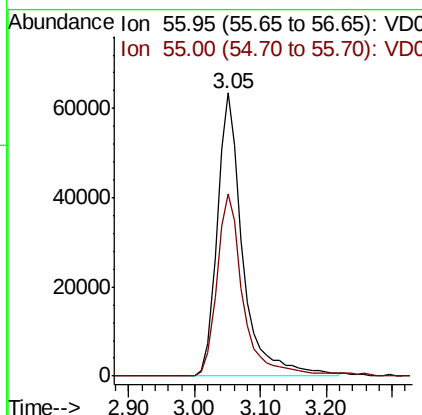
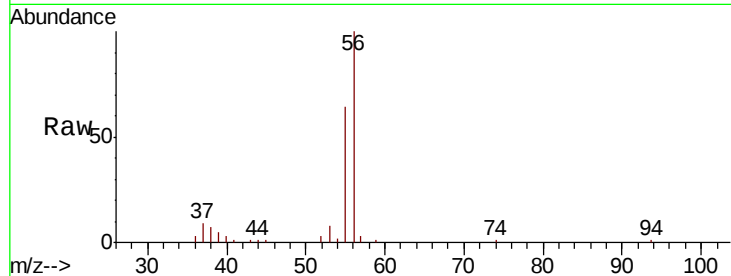




#13
Acrolein
Concen: 262.777 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.00 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

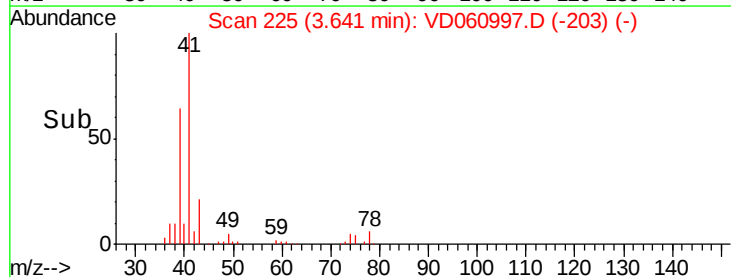
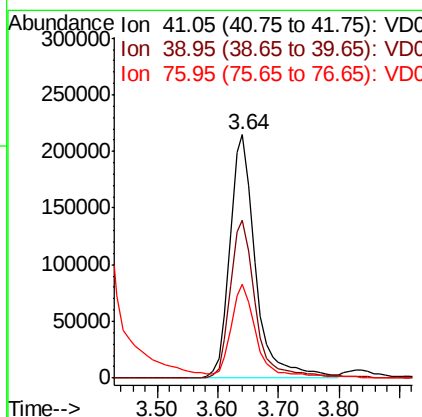
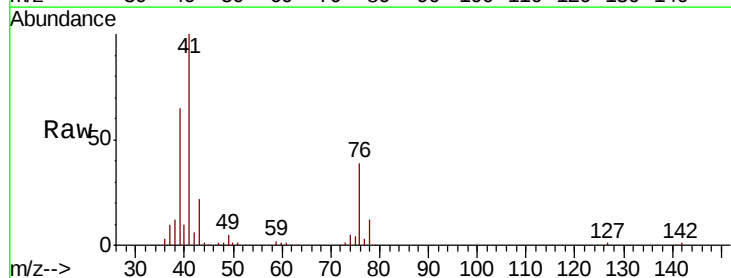
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion: 56 Resp: 170561
Ion Ratio Lower Upper
56 100
55 64.5 51.3 76.9



#14
Allyl chloride
Concen: 46.702 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 41 Resp: 634966
Ion Ratio Lower Upper
41 100
39 64.6 51.1 76.7
76 38.8 29.1 43.7





#15

Acrylonitrile

Concen: 240.429 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleID :

VSTD05006

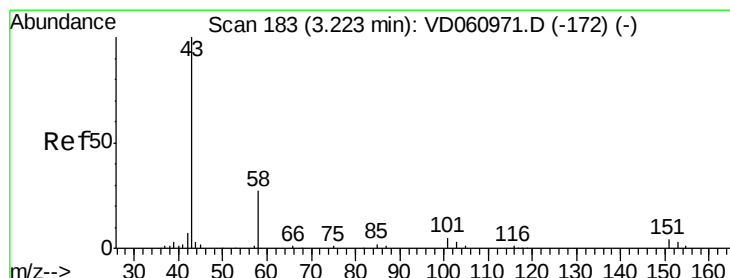
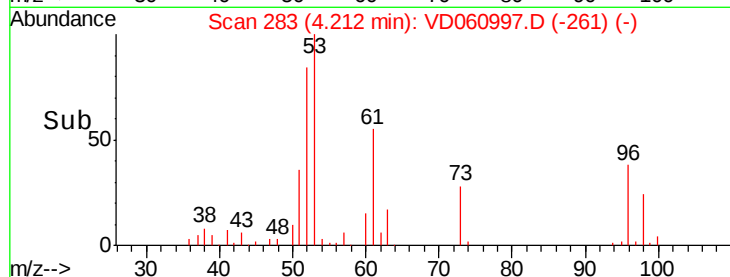
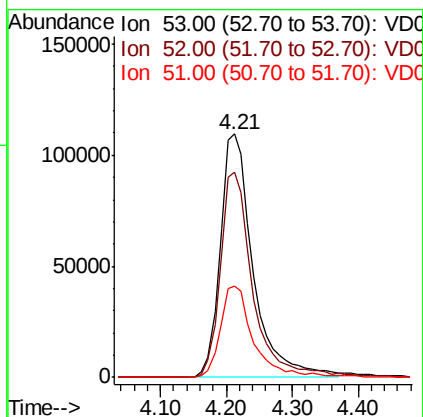
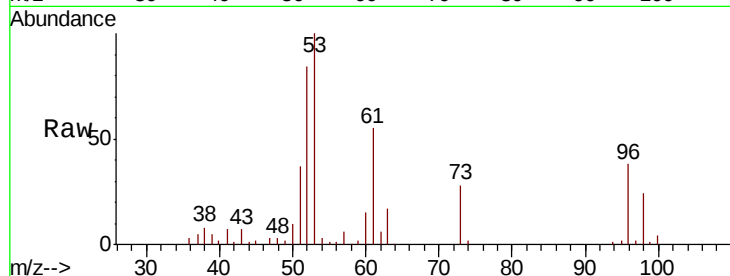
Tot Ion: 53 Resp: 381193

Ion Ratio Lower Upper

53 100

52 84.2 70.2 105.4

51 37.3 31.7 47.5



#16

Acetone

Concen: 236.975 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060997.D

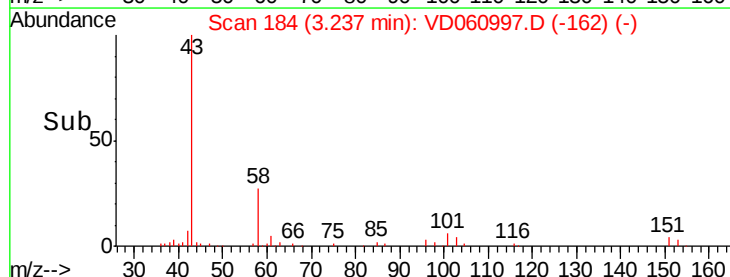
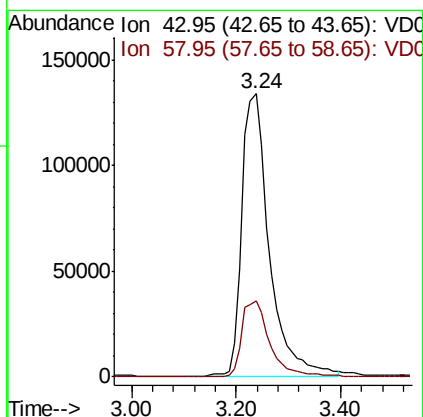
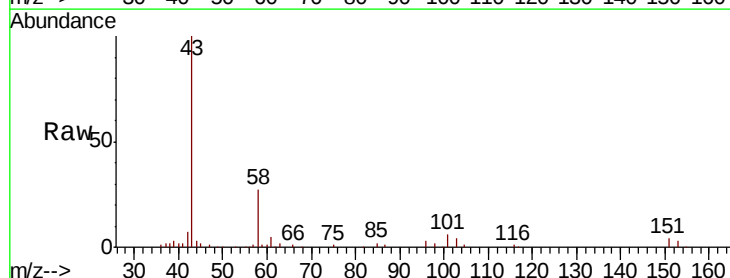
Acq: 11 Mar 2019 11:20

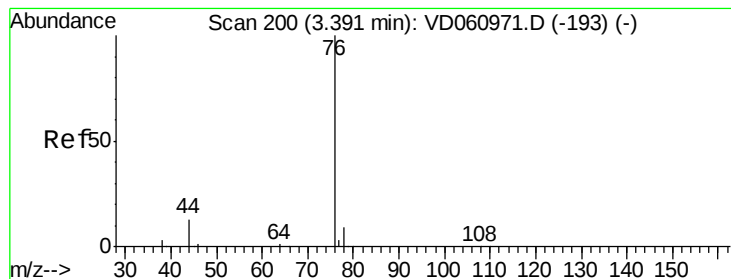
Tgt Ion: 43 Resp: 477504

Ion Ratio Lower Upper

43 100

58 26.7 21.6 32.4





#17

Carbon Disulfide

Concen: 46.386 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

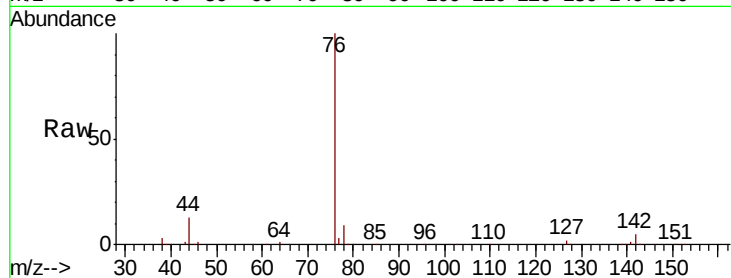
VSTD05006

Tot Ion: 76 Resp: 1329656

Ion Ratio Lower Upper

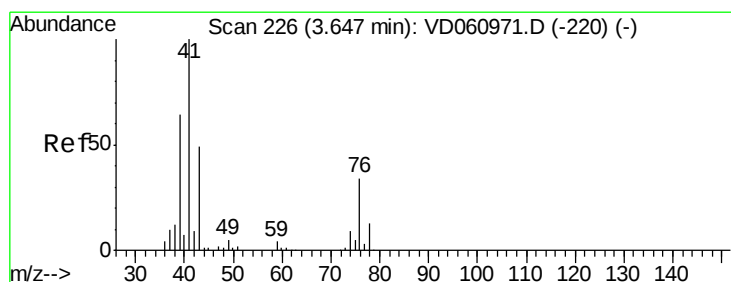
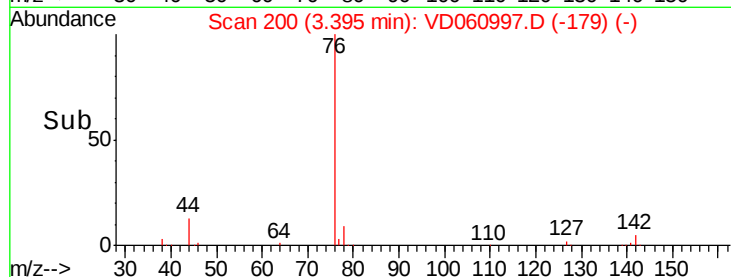
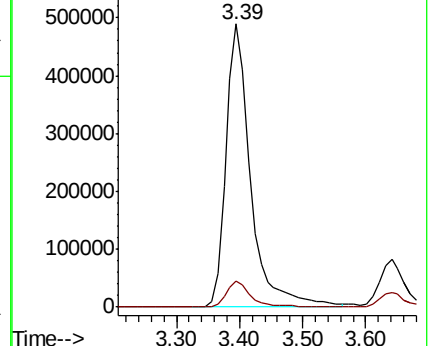
76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 48.327 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD060997.D

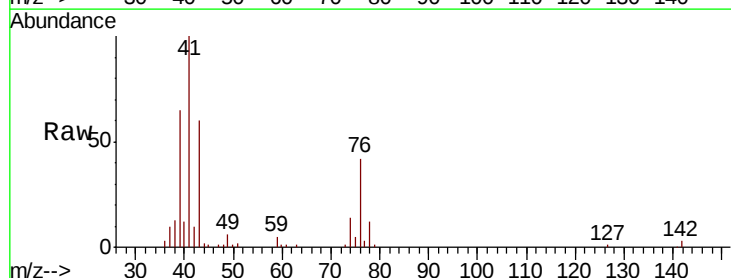
Acq: 11 Mar 2019 11:20

Tgt Ion: 43 Resp: 191641

Ion Ratio Lower Upper

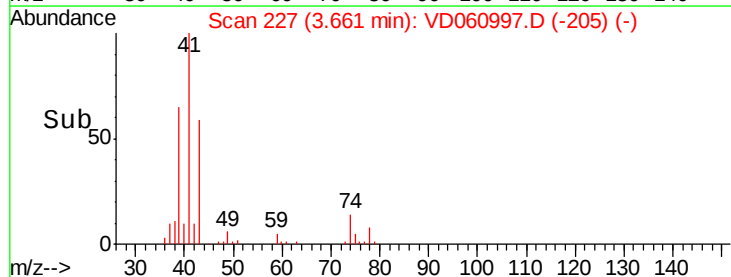
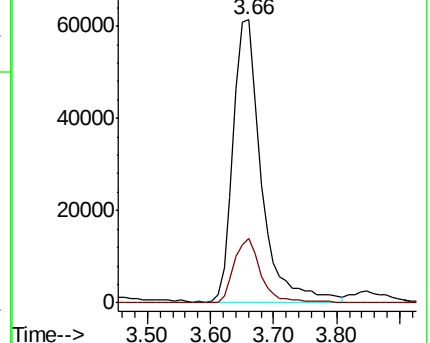
43 100

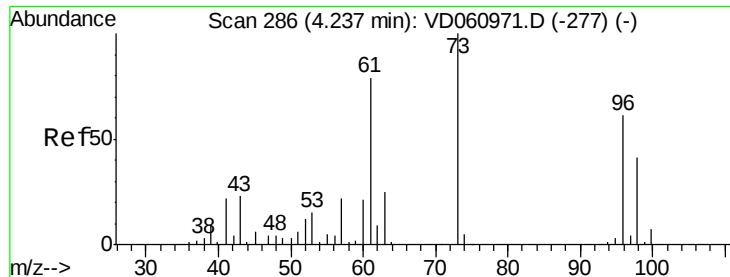
74 22.6 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

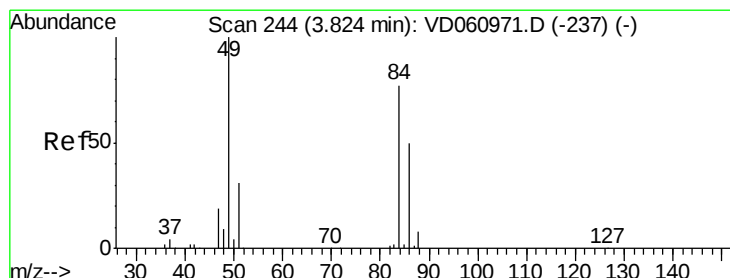
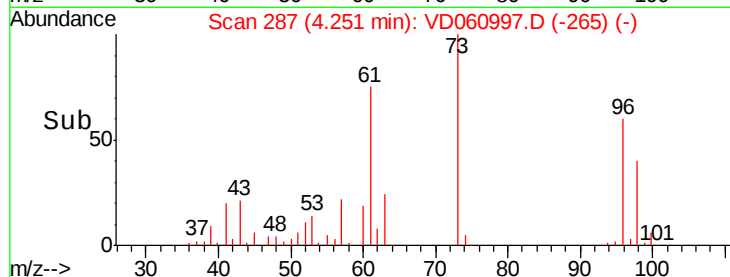
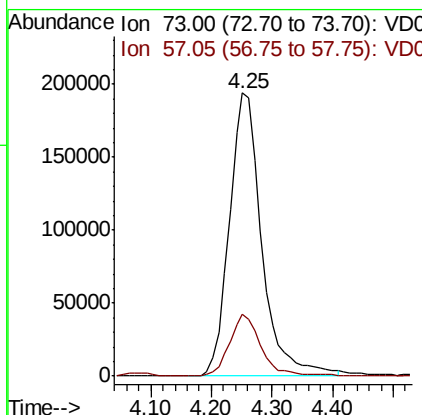
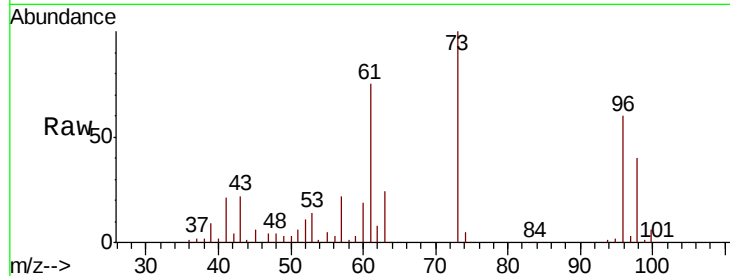




#19
Methyl tert-butyl Ether
Concen: 48.416 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

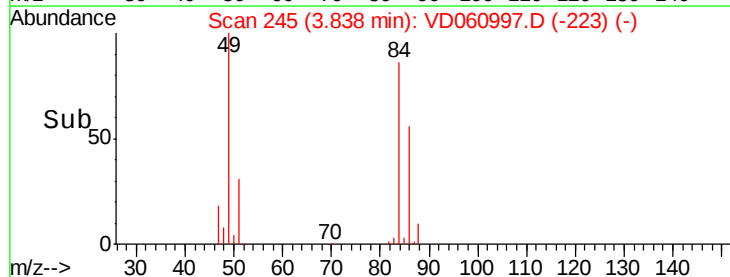
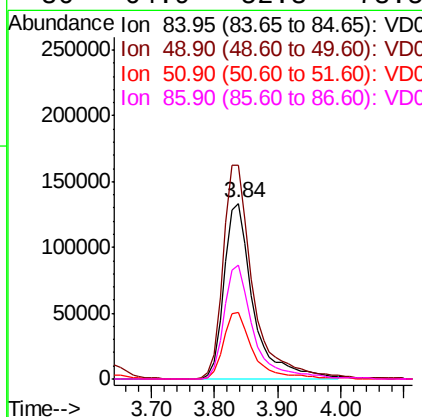
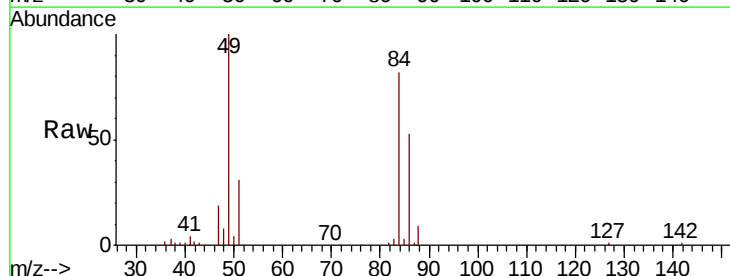
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

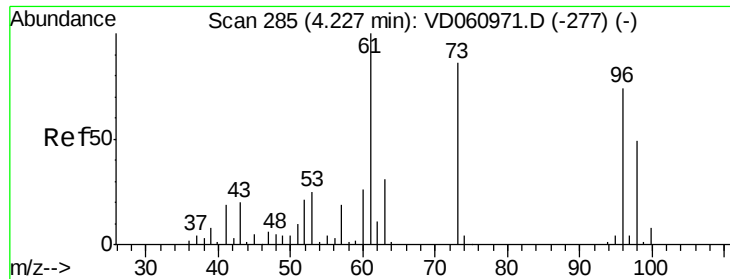
Tot Ion: 73 Resp: 721016
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 46.416 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 84 Resp: 429522
Ion Ratio Lower Upper
84 100
49 121.7 104.2 156.2
51 37.9 32.3 48.5
86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.788 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

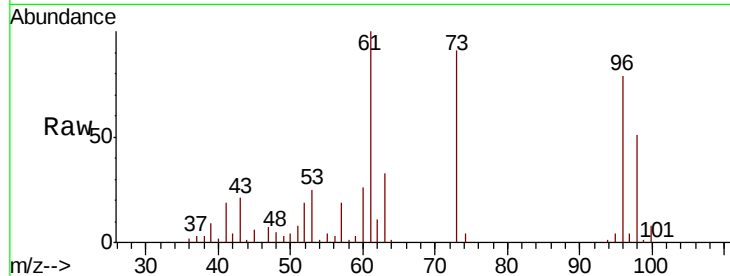
Tot Ion: 96 Resp: 439526

Ion Ratio Lower Upper

96 100

61 127.1 108.4 162.6

98 65.4 53.0 79.4

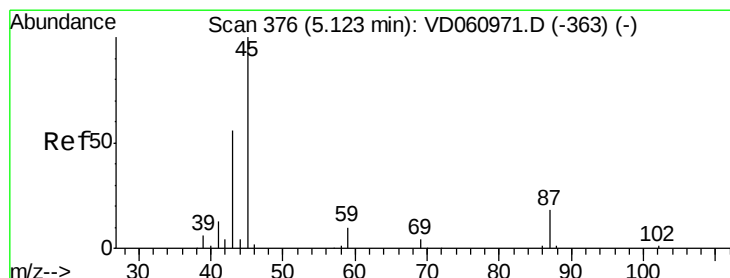
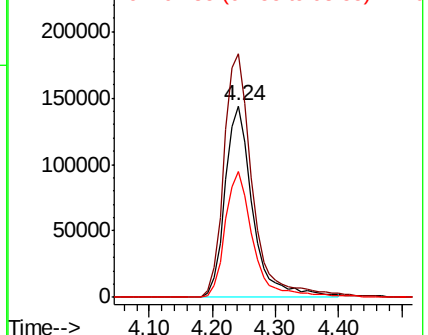
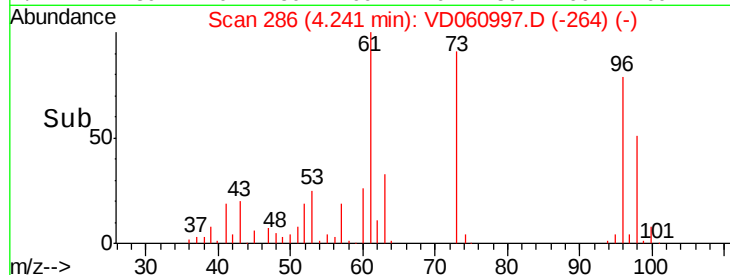


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 43.813 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Tgt Ion: 45 Resp: 1236567

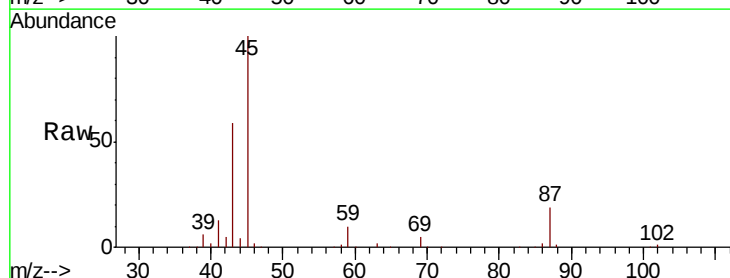
Ion Ratio Lower Upper

45 100

43 58.8 45.8 68.8

87 19.2 14.9 22.3

59 10.2 8.0 12.0



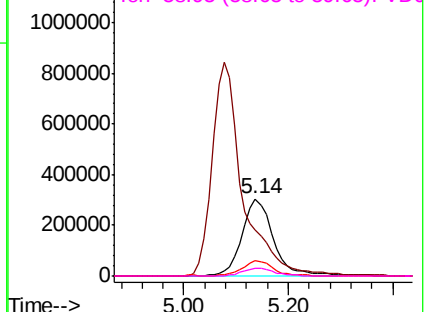
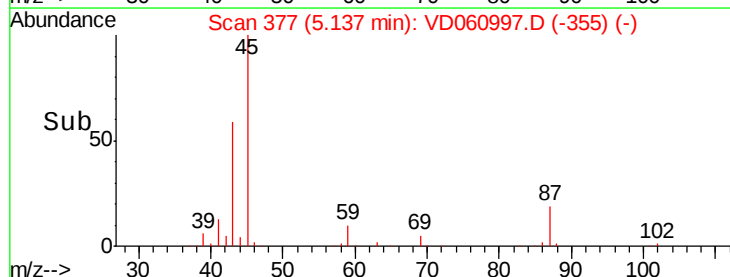
Abundance

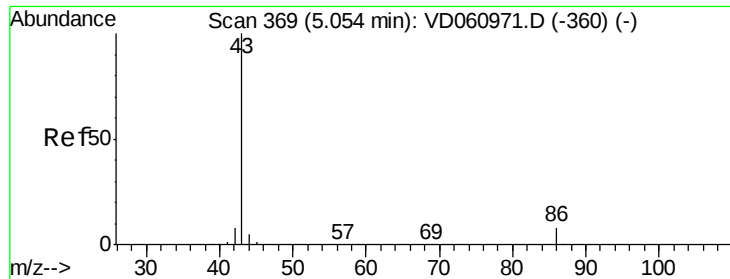
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 232.539 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

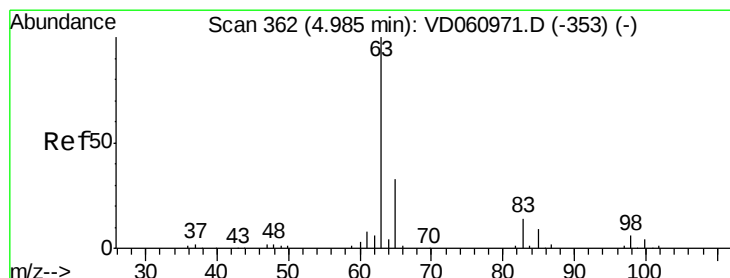
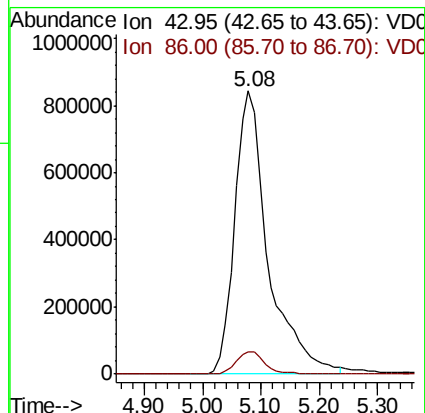
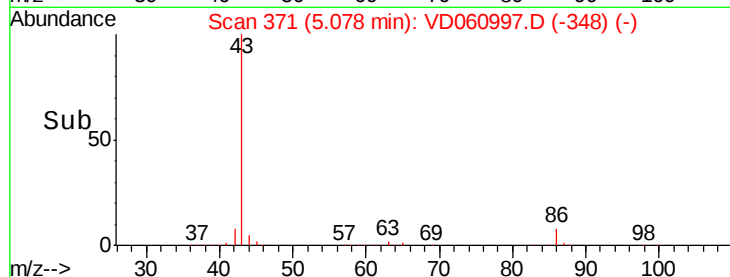
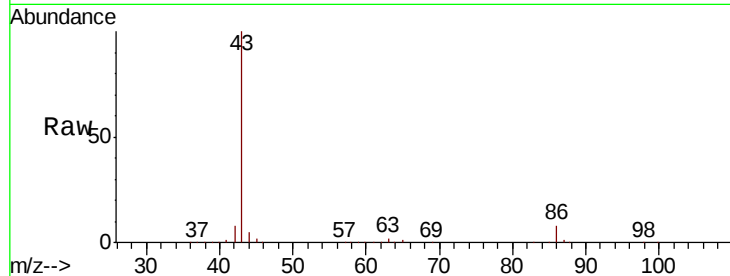
VSTD05006

Tot Ion: 43 Resp: 3369174

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2



#24

1,1-Dichloroethane

Concen: 45.527 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

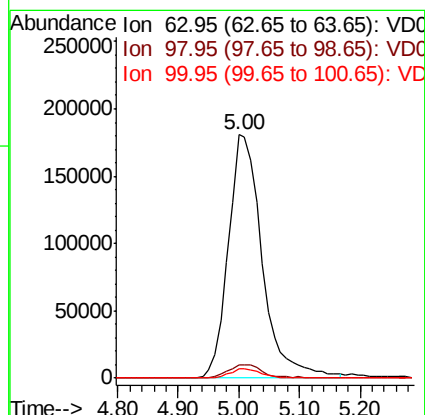
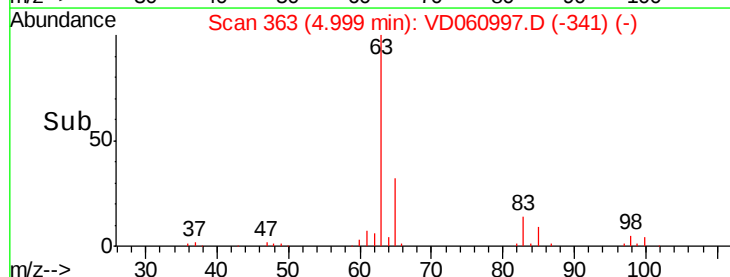
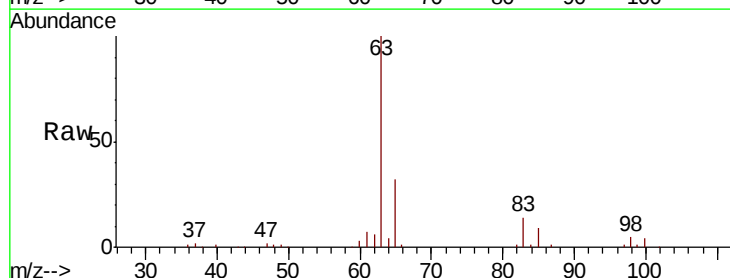
Tgt Ion: 63 Resp: 704035

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 245.472 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

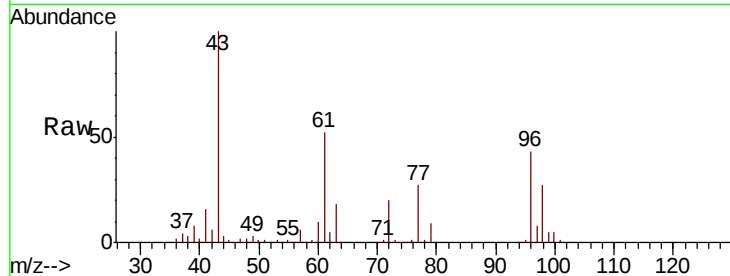
VSTD05006

Tot Ion: 43 Resp: 561264

Ion Ratio Lower Upper

43 100

72 20.2 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

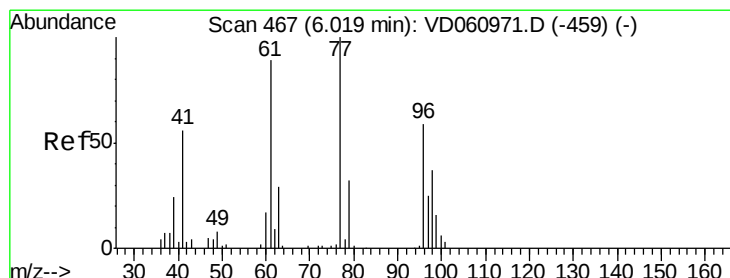
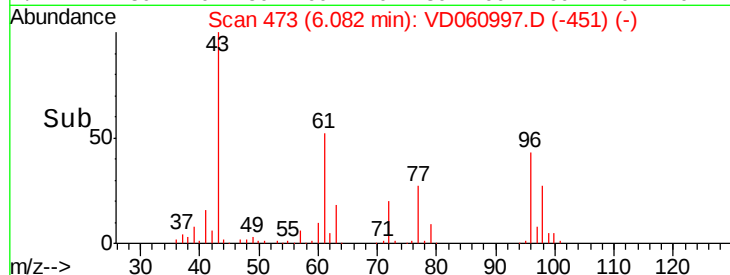
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.848 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD060997.D

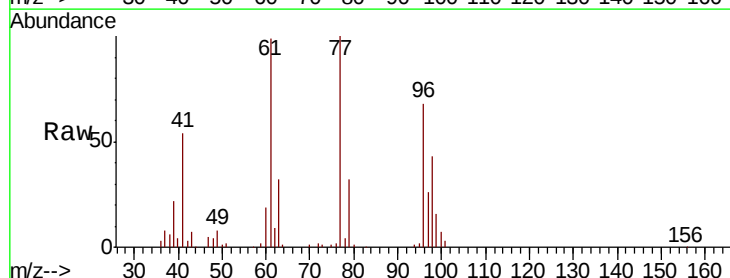
Acq: 11 Mar 2019 11:20

Tgt Ion: 77 Resp: 577619

Ion Ratio Lower Upper

77 100

97 26.1 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

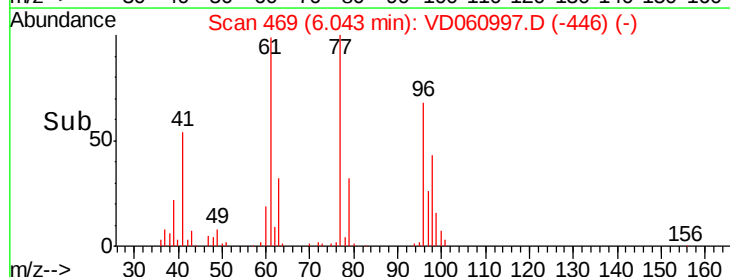
150000

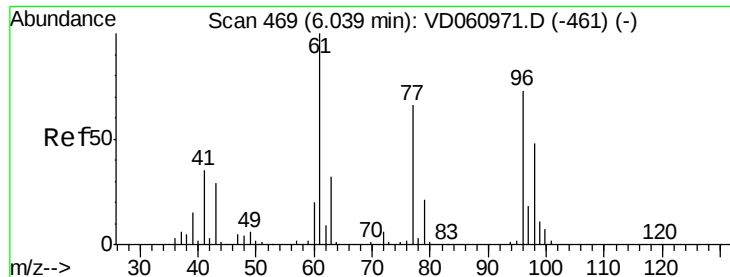
100000

50000

0

Time-->



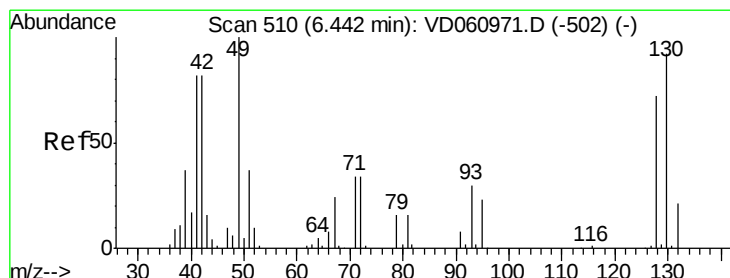
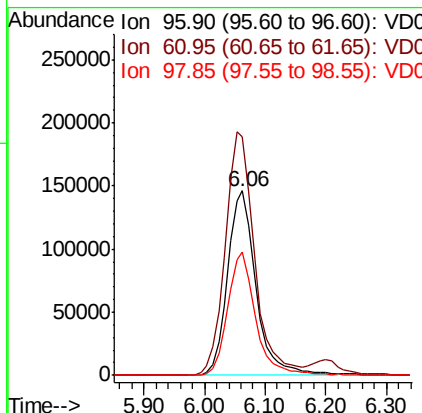
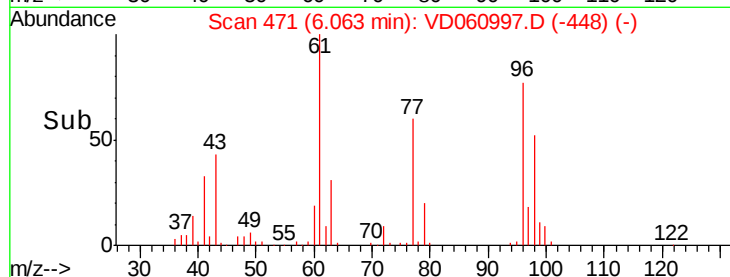
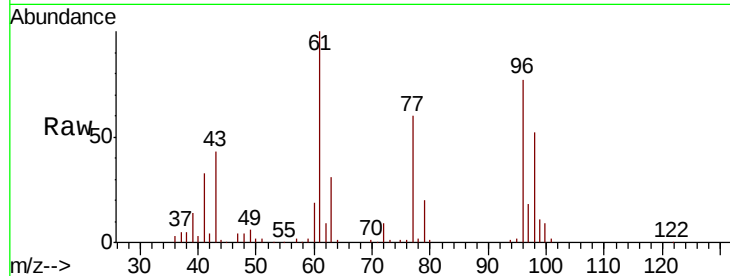


#27

cis-1,2-Dichloroethene
Concen: 48.715 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

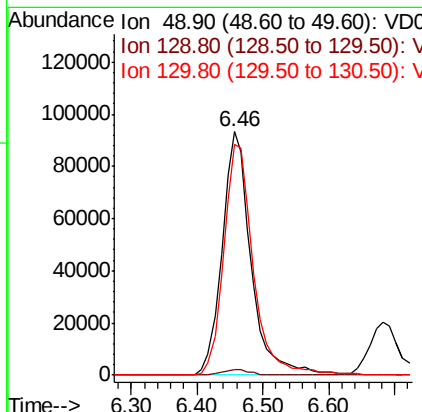
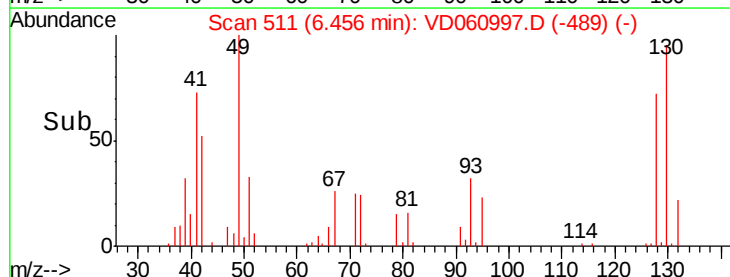
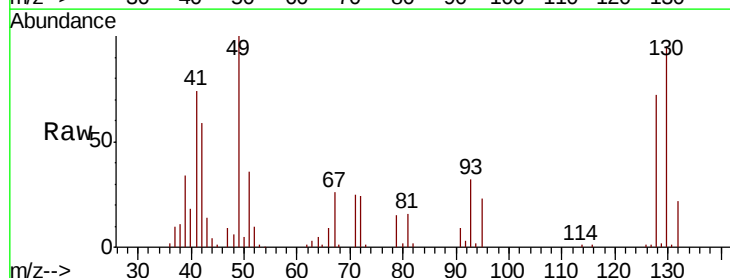
Tot Ion: 96 Resp: 475382
Ion Ratio Lower Upper
96 100
61 129.8 0.0 273.6
98 66.8 0.0 132.6

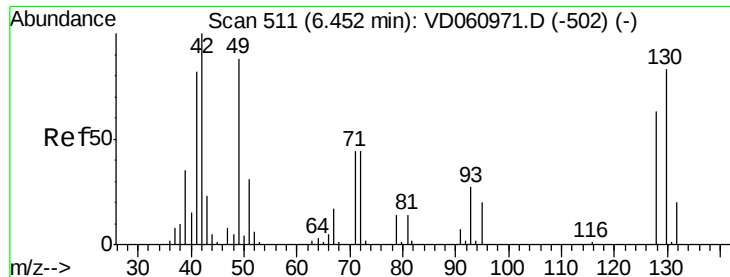


#28

Bromochloromethane
Concen: 43.571 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 49 Resp: 285241
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.0
130 94.6 73.8 110.8

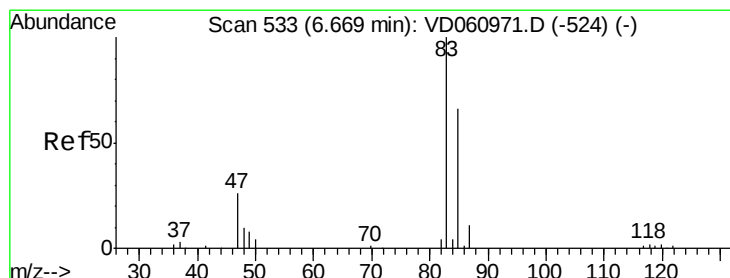
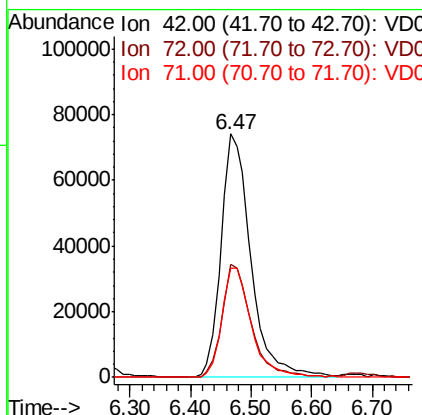
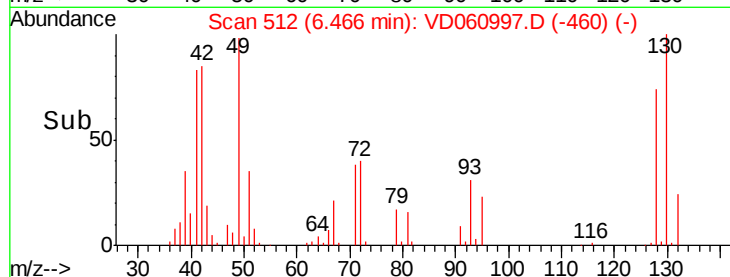
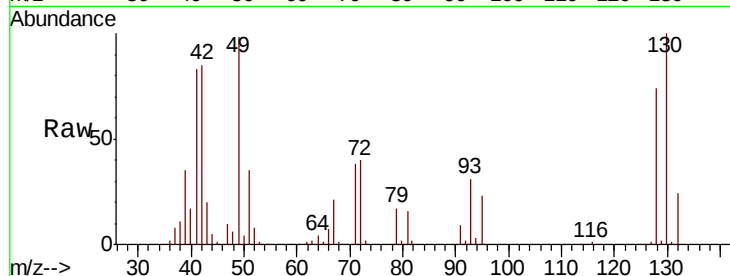




#29
Tetrahydrofuran
Concen: 204.457 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

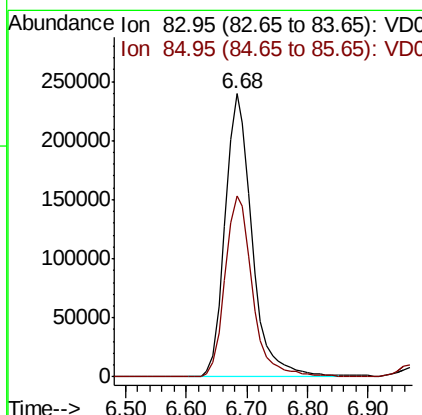
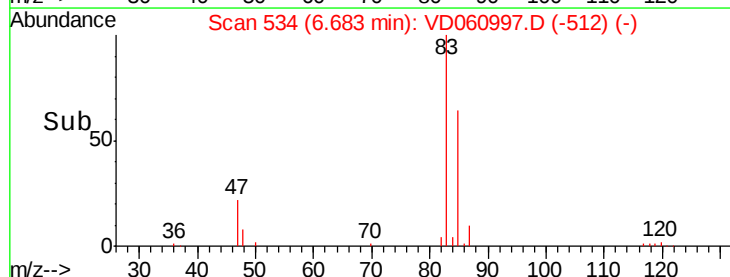
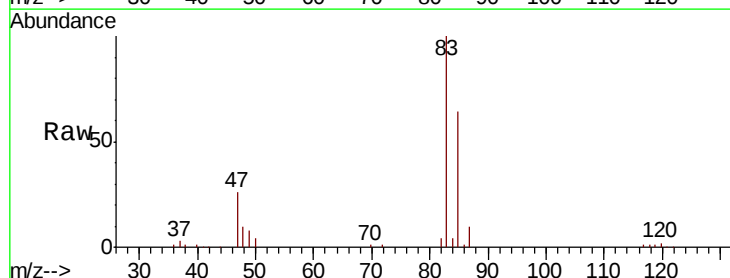
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

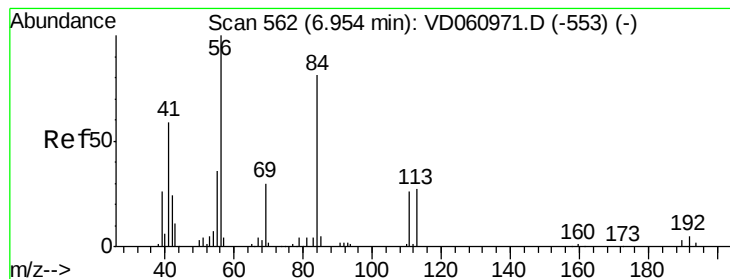
Tot Ion: 42 Resp: 253844
Ion Ratio Lower Upper
42 100
72 45.3 34.5 51.7
71 44.5 33.8 50.6



#30
Chloroform
Concen: 46.174 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 83 Resp: 740038
Ion Ratio Lower Upper
83 100
85 64.1 53.0 79.4





#31

Cyclohexane

Concen: 49.955 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

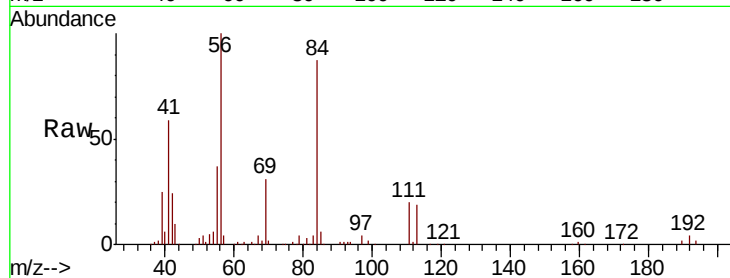
Tot Ion: 56 Resp: 622891

Ion Ratio Lower Upper

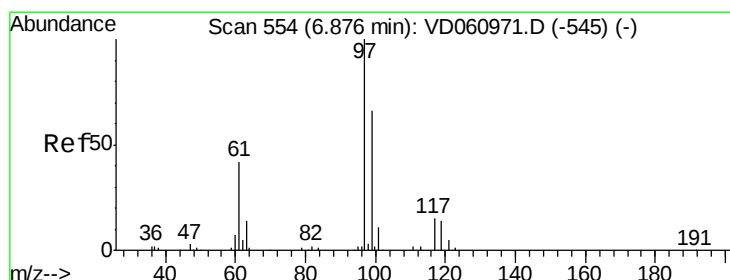
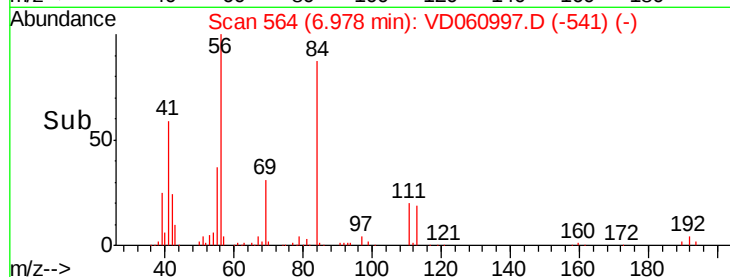
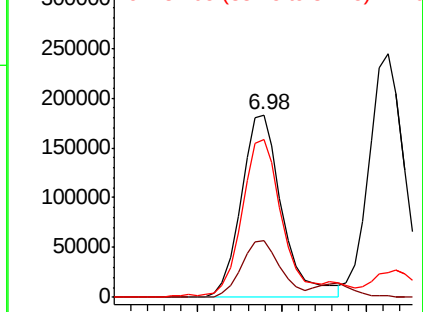
56 100

69 31.0 24.0 36.0

84 86.6 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 46.211 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

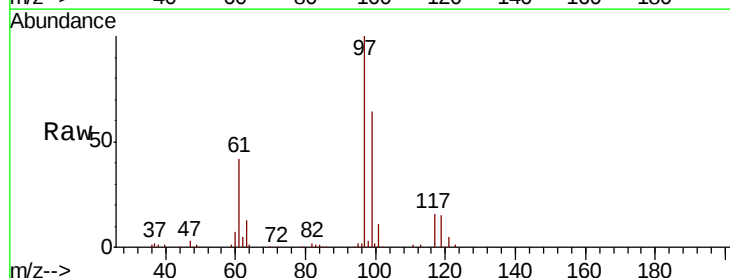
Tgt Ion: 97 Resp: 640304

Ion Ratio Lower Upper

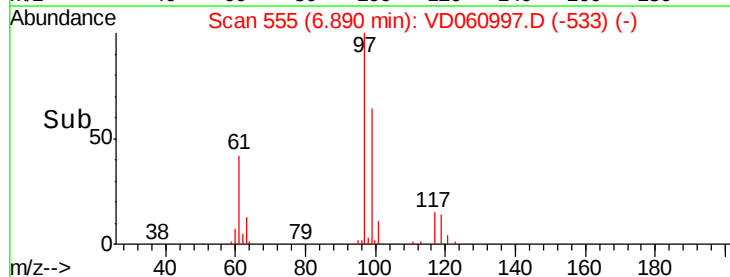
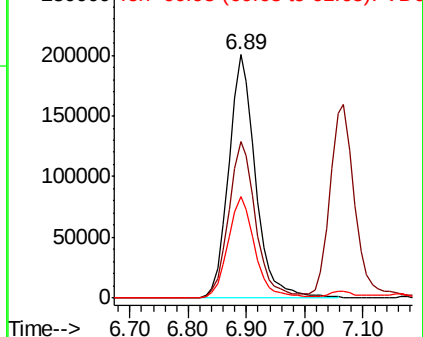
97 100

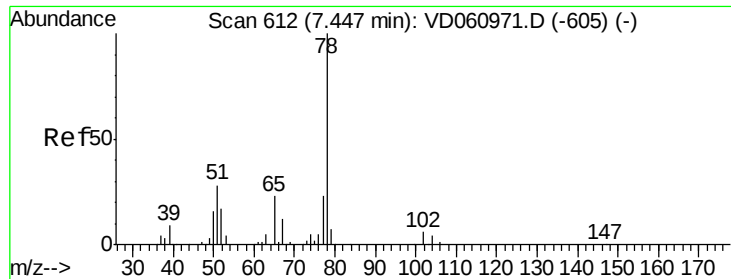
99 64.5 53.2 79.8

61 41.6 33.8 50.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.211 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleID :

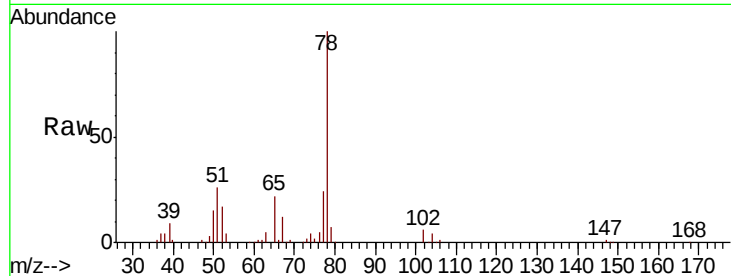
VSTD05006

Tot Ion: 65 Resp: 289949

Ion Ratio Lower Upper

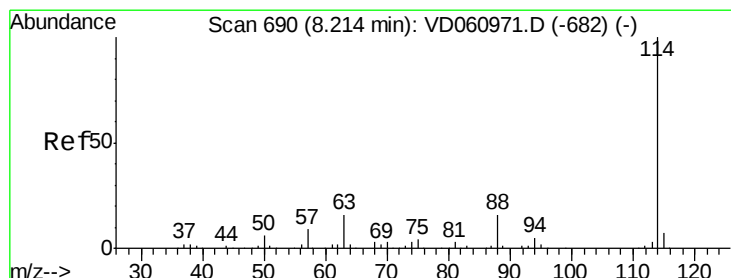
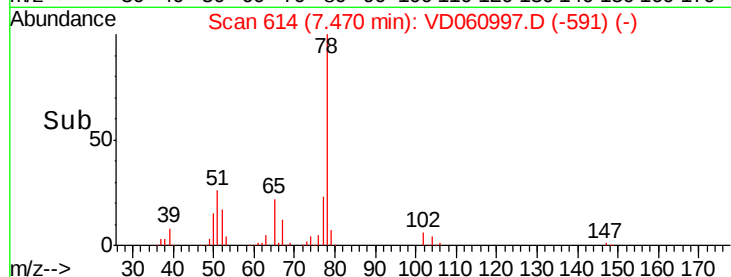
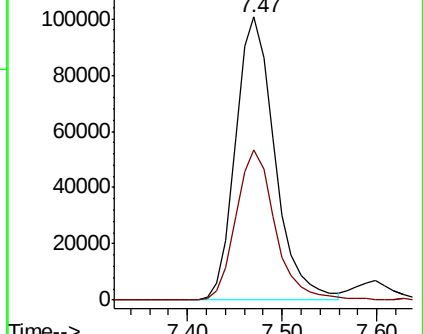
65 100

67 53.1 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

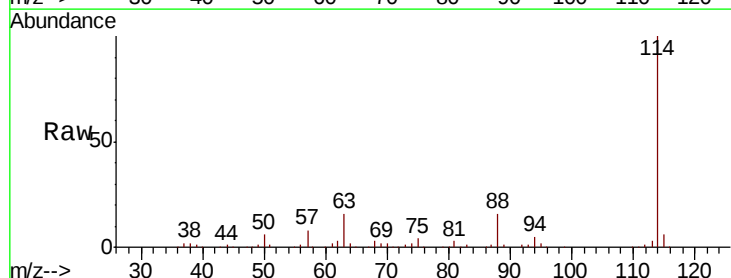
Tgt Ion: 114 Resp: 1392496

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

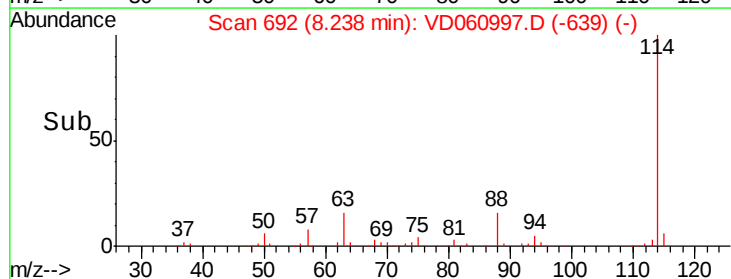
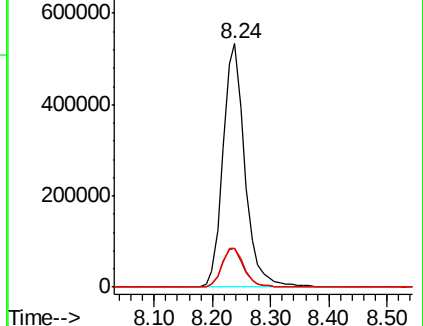
88 16.0 0.0 33.0

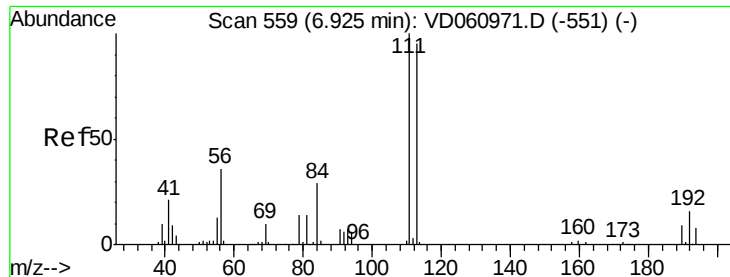


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

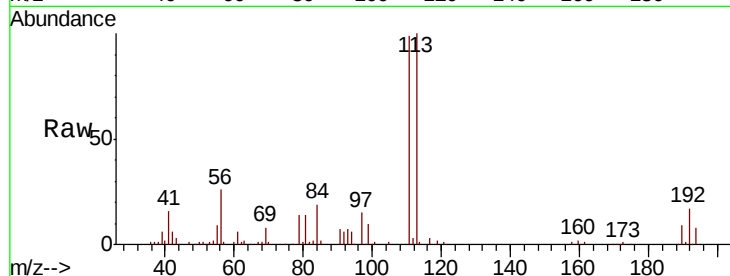




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	84.2	126.4
192	16.9	13.1	19.7

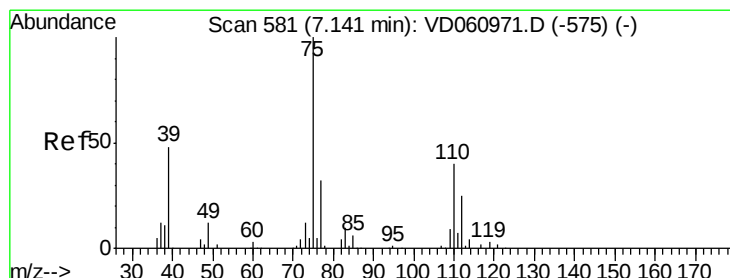
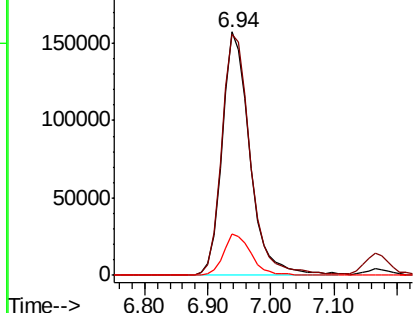
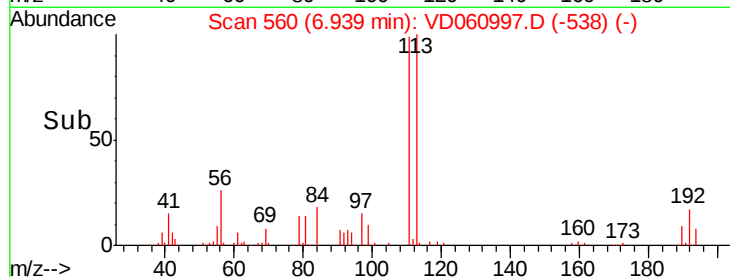


Abundance

Ion 112.90 (112.60 to 113.60): V

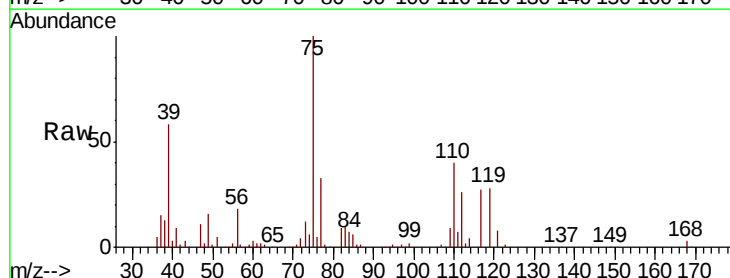
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 46.940 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.7	59.1
77	32.7	24.7	37.1

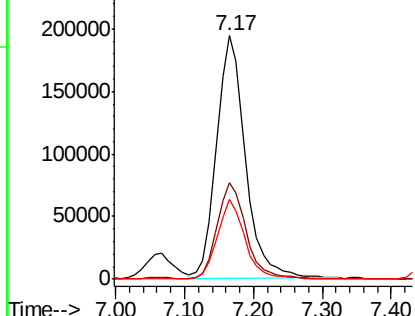
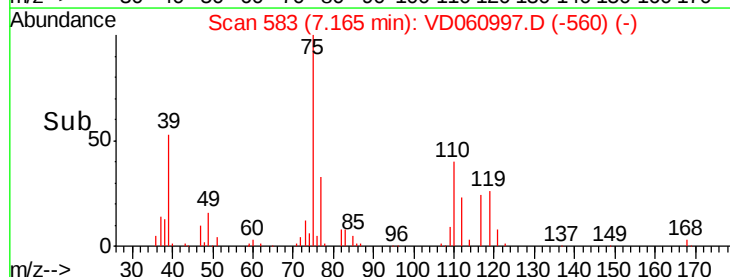


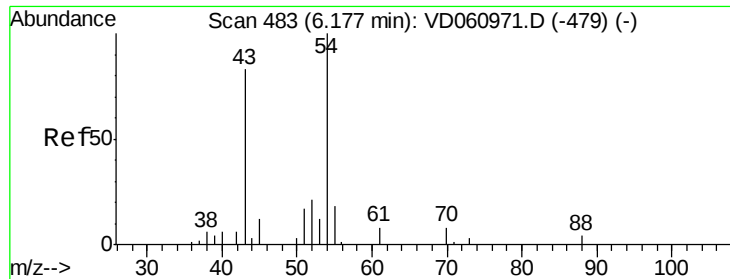
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

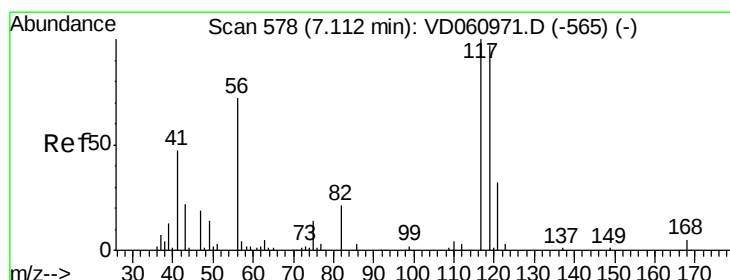
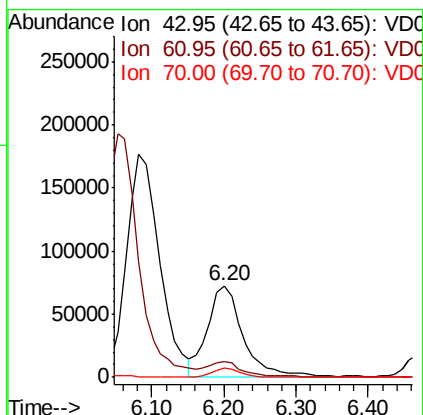
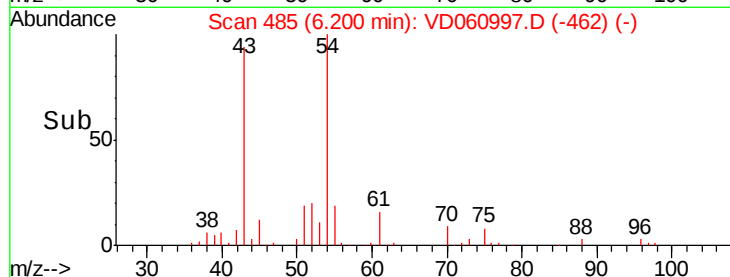
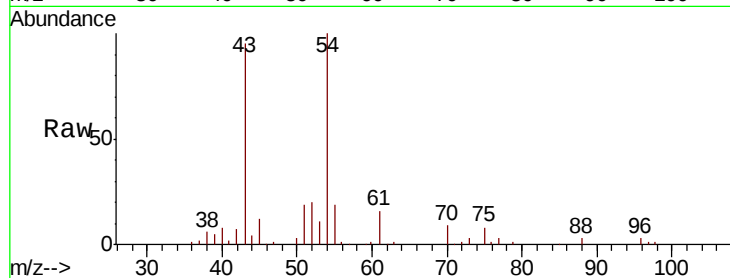




#37
Ethyl Acetate
Concen: 43.347 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

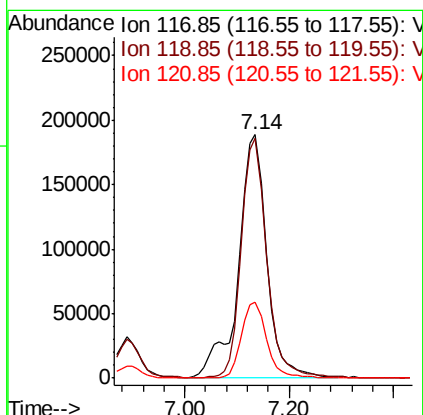
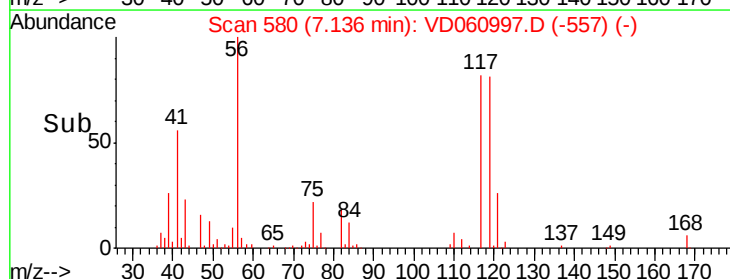
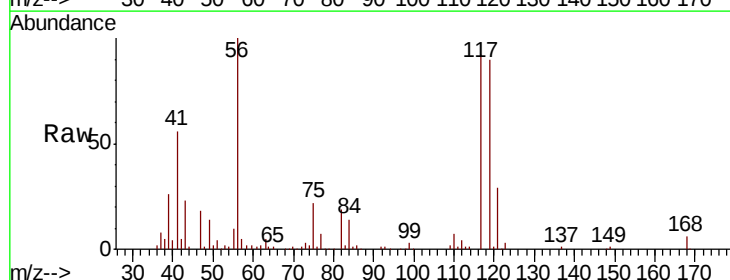
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion: 43 Resp: 244155
Ion Ratio Lower Upper
43 100
61 17.0 13.7 20.5
70 9.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.494 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 117 Resp: 694059
Ion Ratio Lower Upper
117 100
119 98.3 77.8 116.8
121 31.3 25.3 37.9





#39

Methvlcvclohexane

Concen: 49.308 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

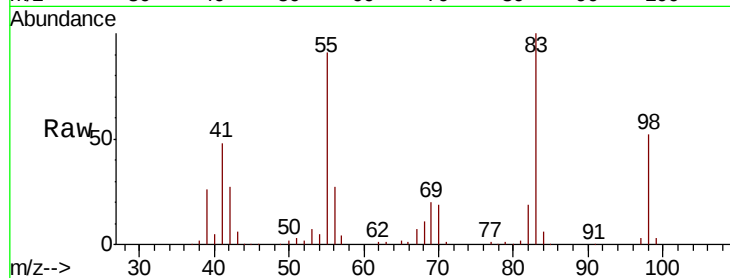
Tot Ion: 83 Resp: 613696

Ion Ratio Lower Upper

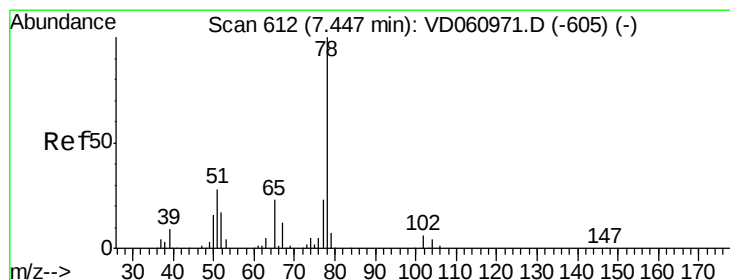
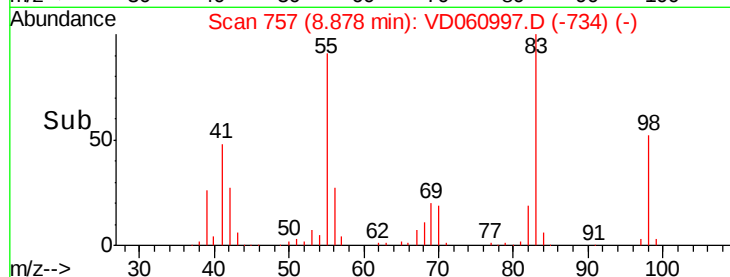
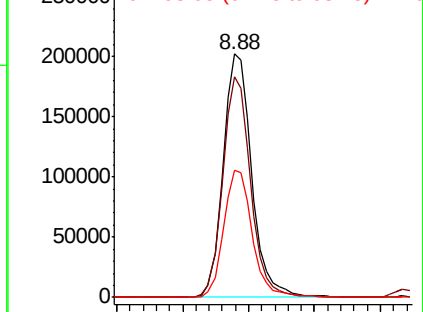
83 100

55 90.8 69.6 104.4

98 52.4 40.0 60.0



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



#40

Benzene

Concen: 45.969 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060997.D

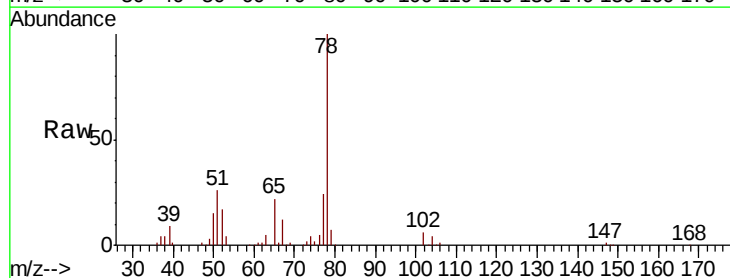
Acq: 11 Mar 2019 11:20

Tgt Ion: 78 Resp: 1378743

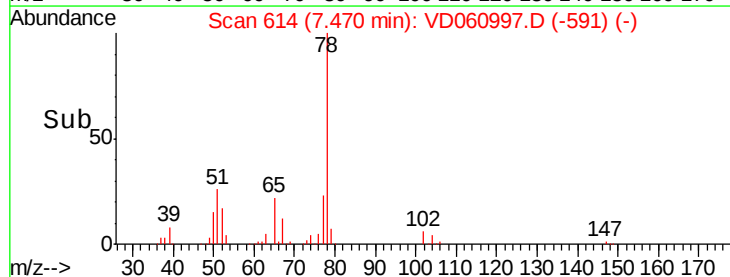
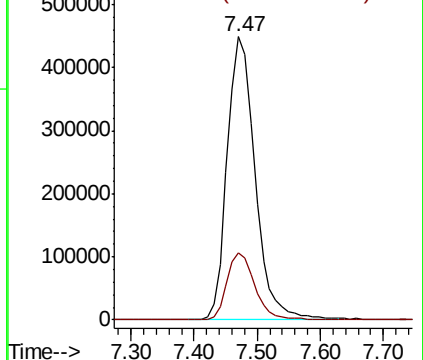
Ion Ratio Lower Upper

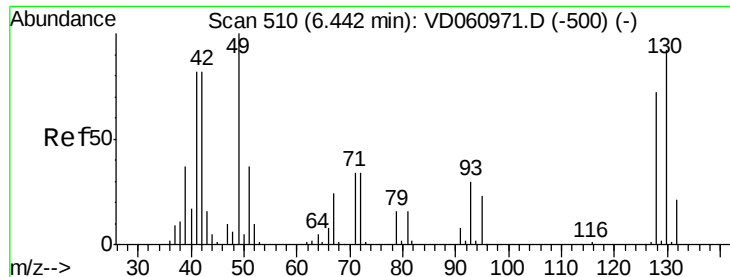
78 100

77 23.6 18.8 28.2



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

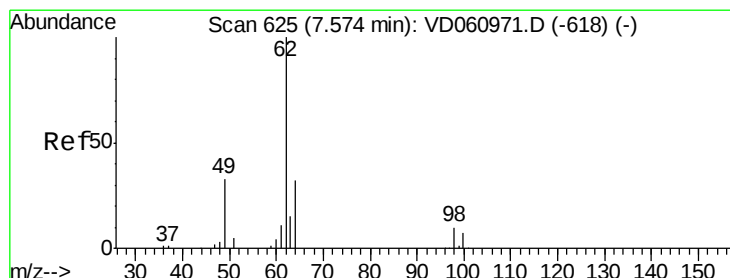
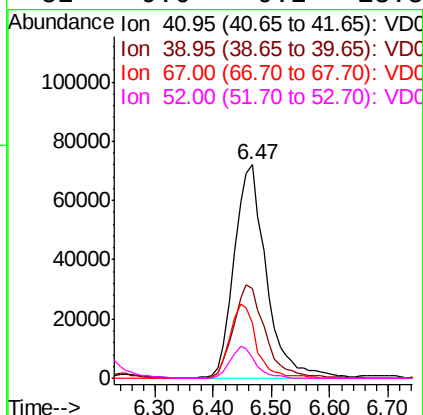
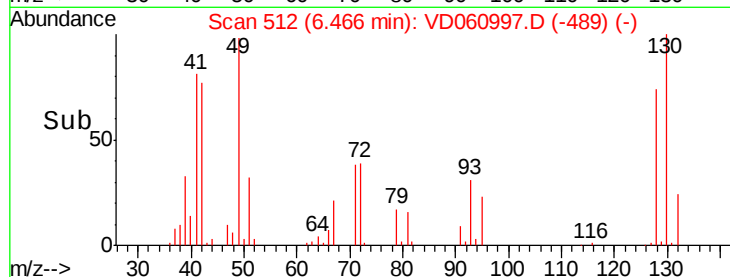
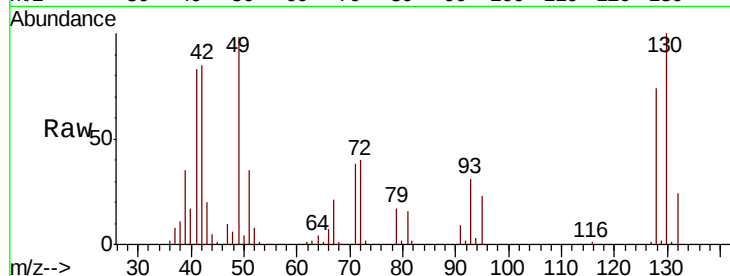




#41
Methacrylonitrile
Concen: 42.751 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

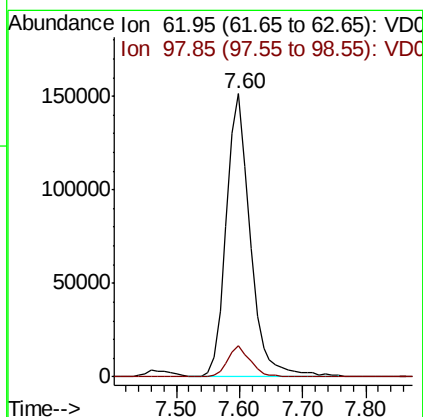
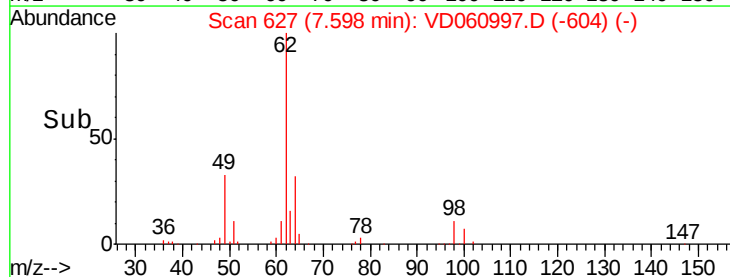
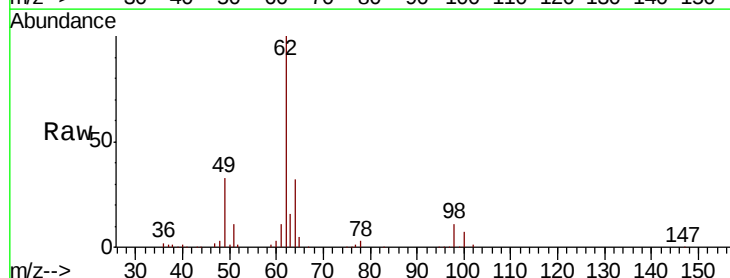
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

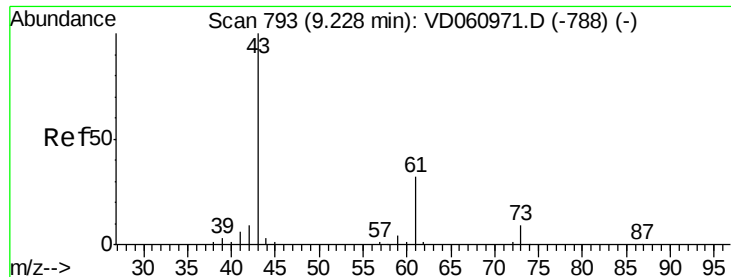
Tot Ion: 41 Resp: 276974
Ion Ratio Lower Upper
41 100
39 41.9 35.7 53.5
67 25.6 23.0 34.6
52 9.6 9.2 13.8



#42
1,2-Dichloroethane
Concen: 45.976 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 62 Resp: 400162
Ion Ratio Lower Upper
62 100
98 10.9 0.0 20.4



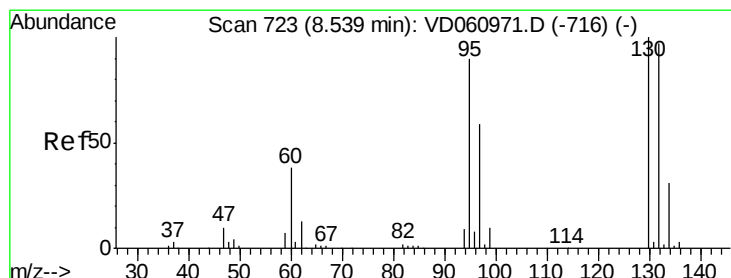
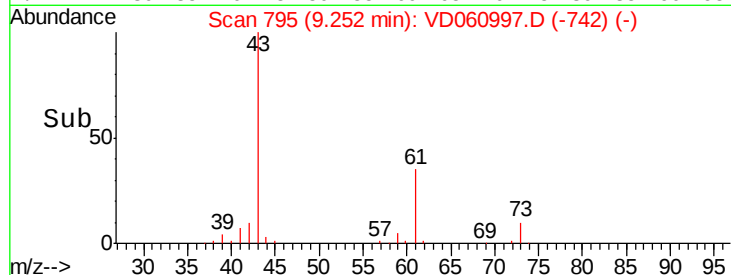
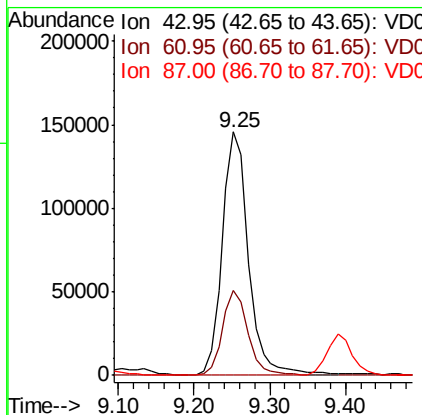
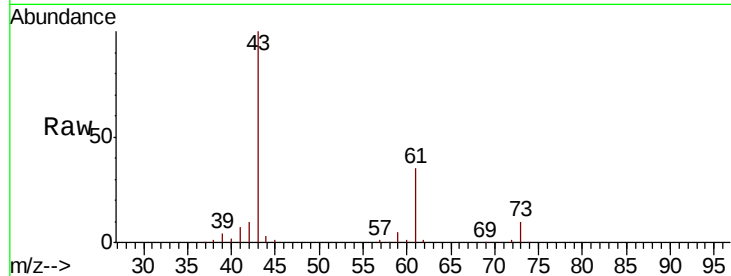


#43

Isopropyl Acetate
 Concen: 44.438 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

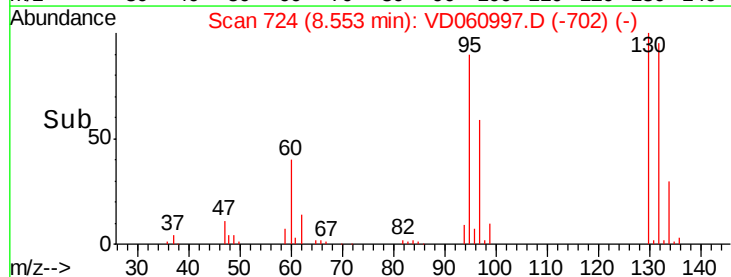
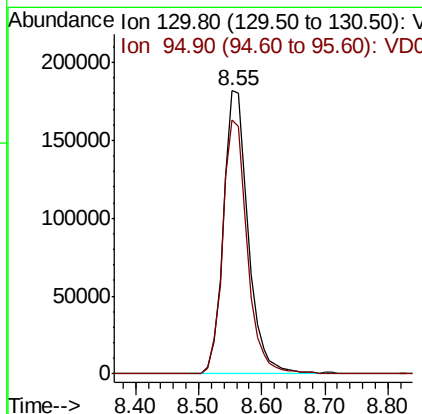
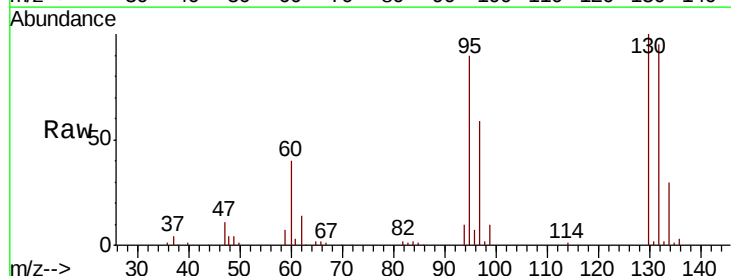
Tot Ion: 43 Resp: 346676
 Ion Ratio Lower Upper
 43 100
 61 34.9 25.6 38.4
 87 0.0 0.2 0.4#

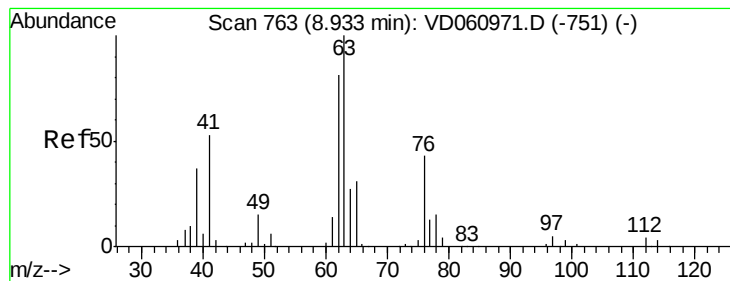


#44

Trichloroethene
 Concen: 47.762 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion: 130 Resp: 494208
 Ion Ratio Lower Upper
 130 100
 95 89.7 0.0 179.4





#45

1,2-Dichloropropane

Concen: 49.551 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

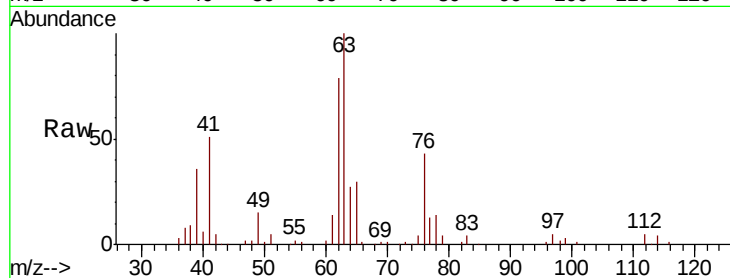
VSTD05006

Tot Ion: 63 Resp: 390449

Ion Ratio Lower Upper

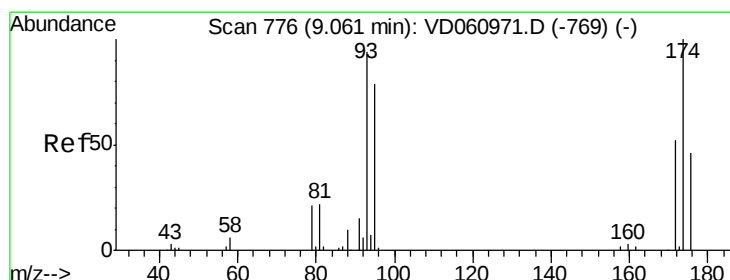
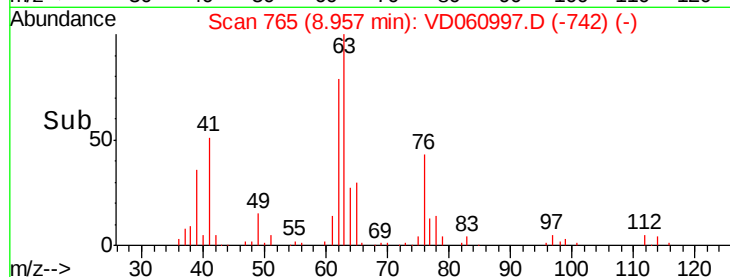
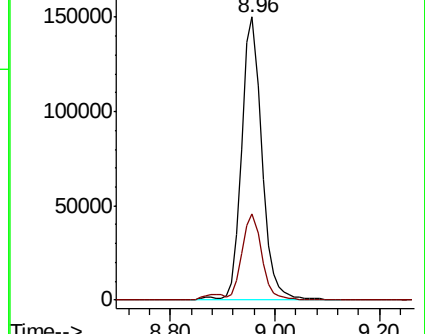
63 100

65 30.4 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 46.869 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

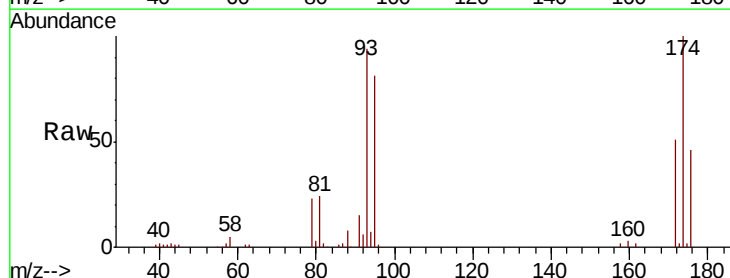
Tgt Ion: 93 Resp: 234266

Ion Ratio Lower Upper

93 100

95 85.7 67.4 101.0

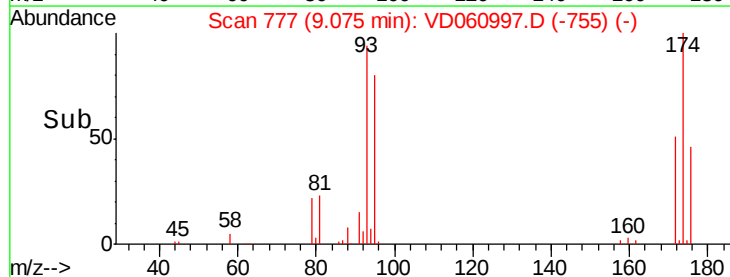
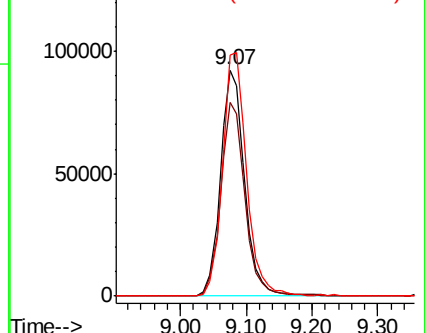
174 106.4 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.117 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

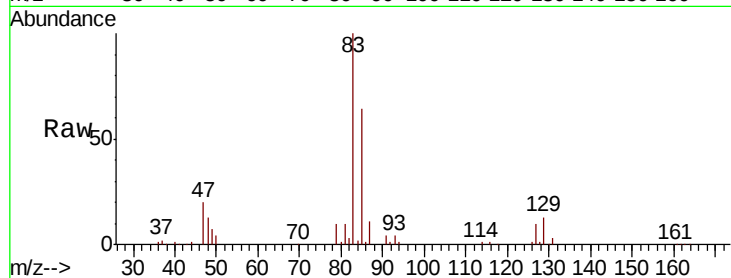
Tot Ion: 83 Resp: 554000

Ion Ratio Lower Upper

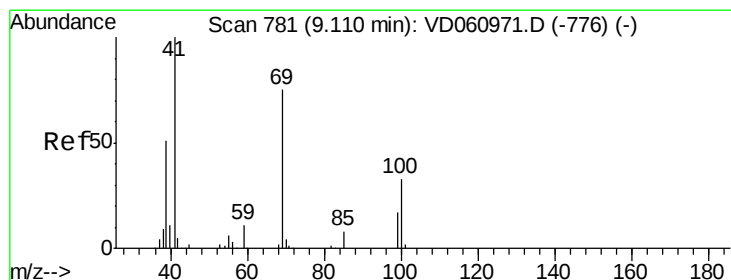
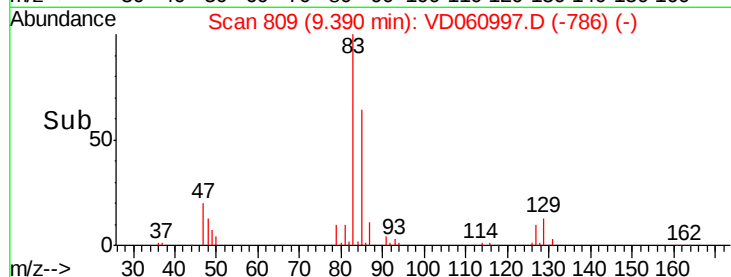
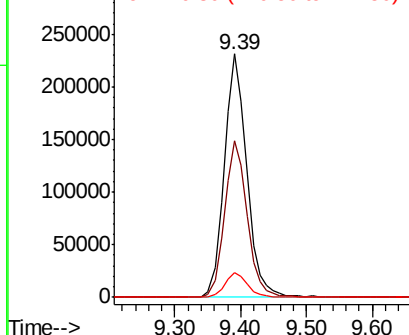
83 100

85 64.3 52.5 78.7

127 10.2 7.5 11.3



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



#48

Methyl methacrylate

Concen: 47.587 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

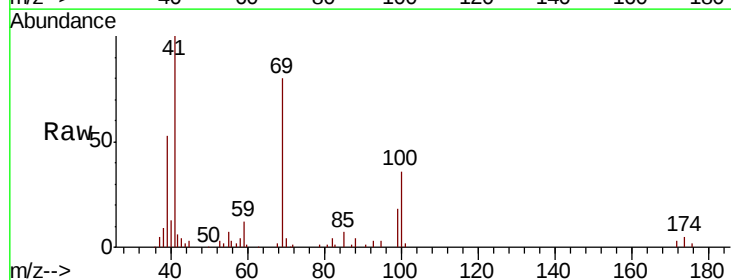
Tgt Ion: 41 Resp: 209025

Ion Ratio Lower Upper

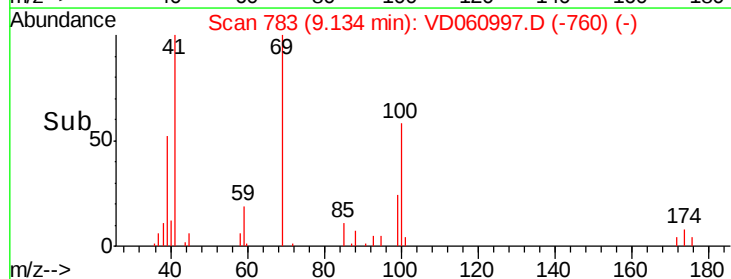
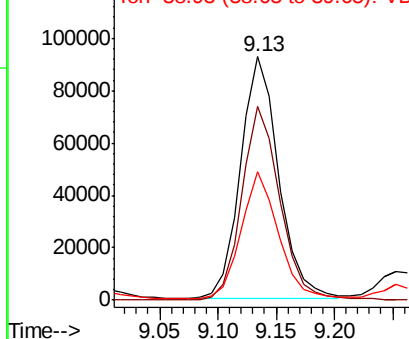
41 100

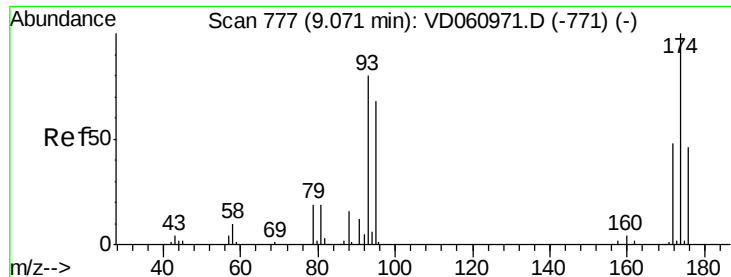
69 79.6 59.9 89.9

39 52.9 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

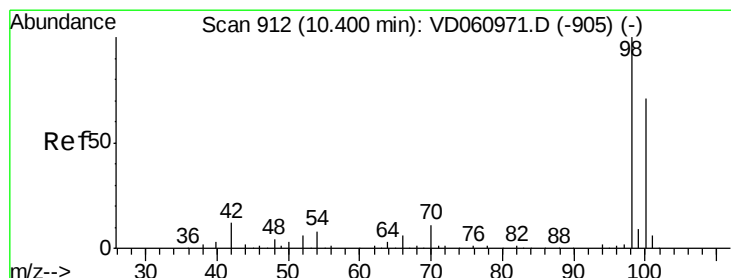
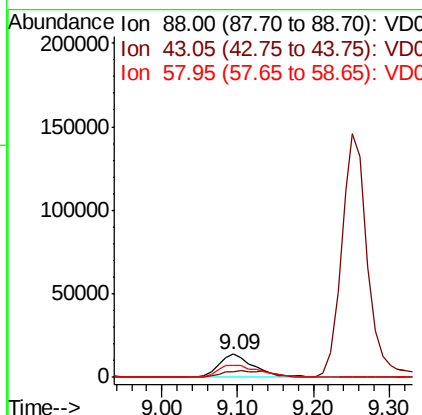
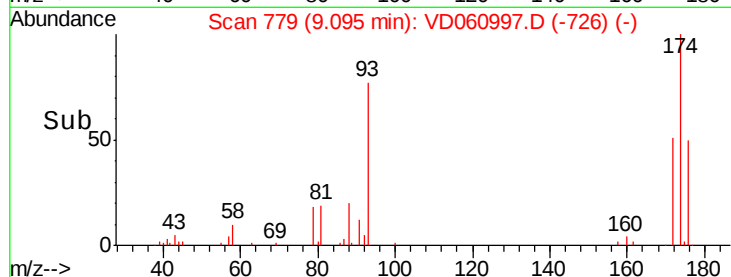
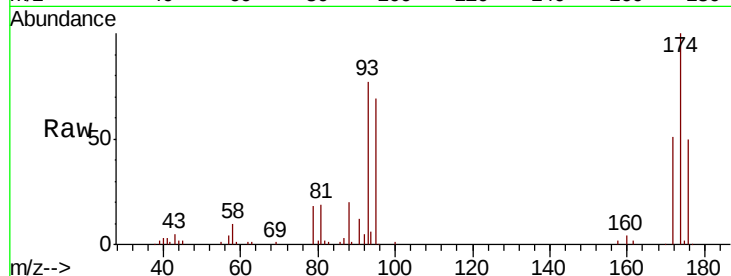




#49
1,4-Dioxane
Concen: 1018.983 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

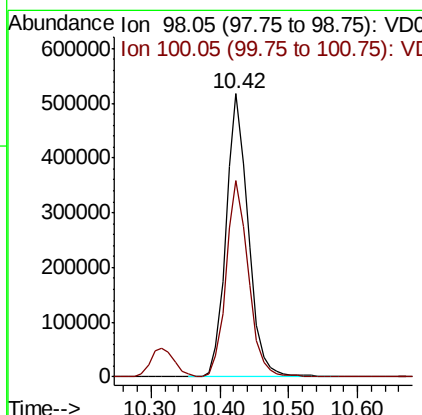
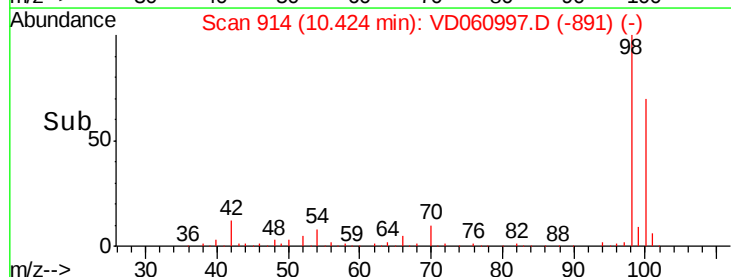
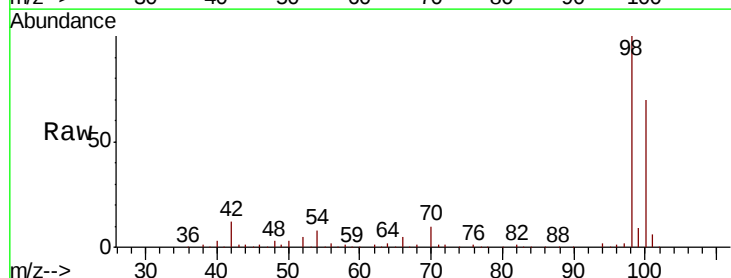
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

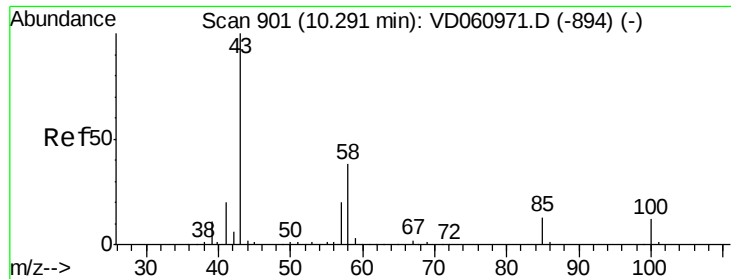
Tot Ion: 88 Resp: 45259
Ion Ratio Lower Upper
88 100
43 25.6 21.0 31.6
58 51.7 48.6 72.8



#50
Toluene-d8
Concen: 1018.983 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 98 Resp: 1149140
Ion Ratio Lower Upper
98 100
100 69.6 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 214.987 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleID :

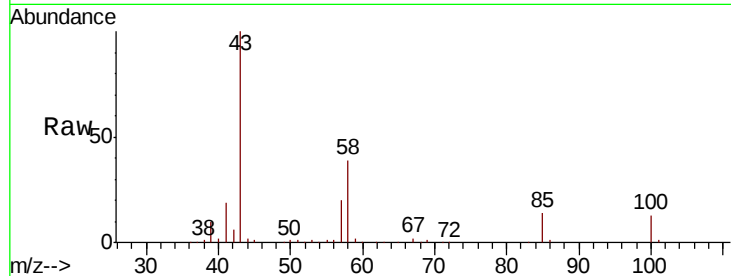
VSTD05006

Tot Ion: 43 Resp: 1027500

Ion Ratio Lower Upper

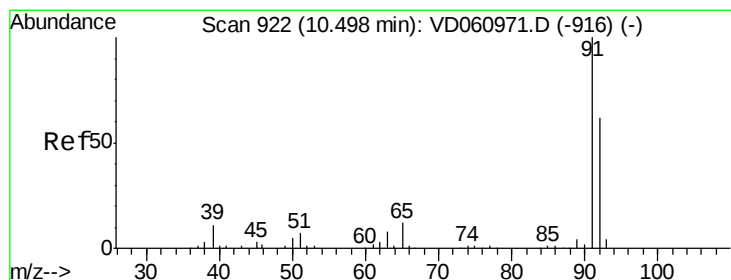
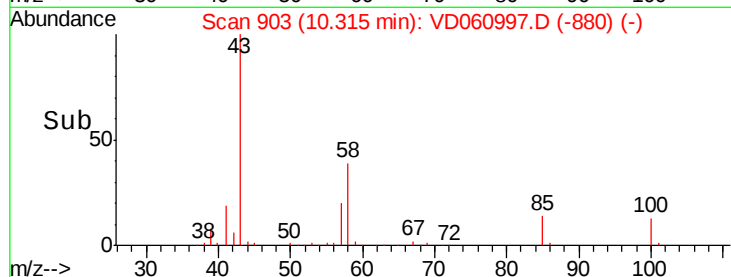
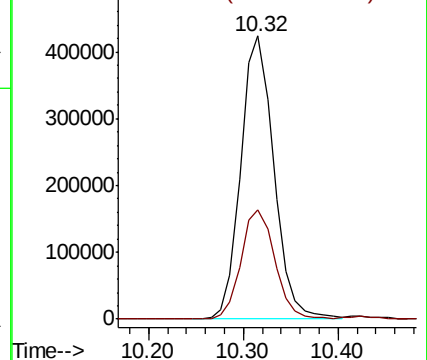
43 100

58 38.7 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.106 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD060997.D

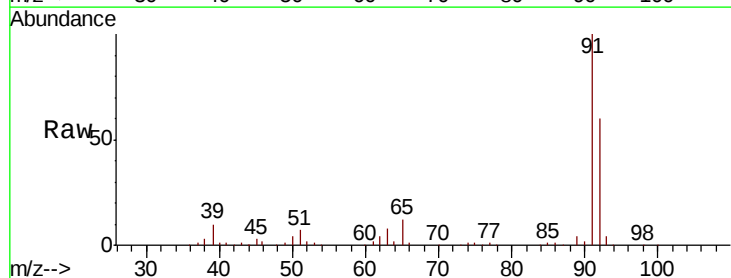
Acq: 11 Mar 2019 11:20

Tgt Ion: 92 Resp: 841256

Ion Ratio Lower Upper

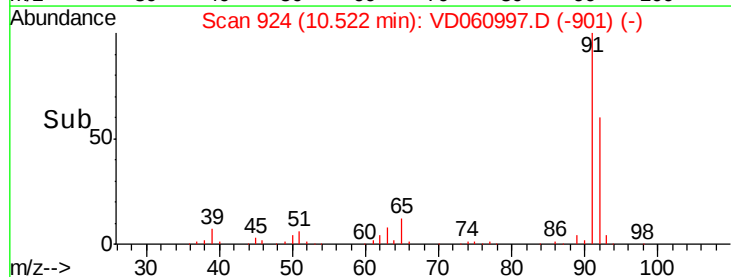
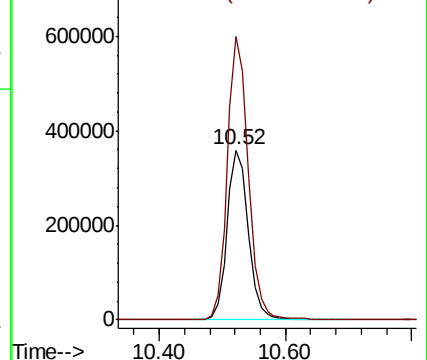
92 100

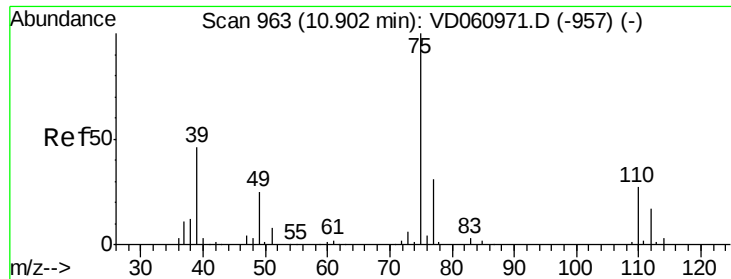
91 166.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

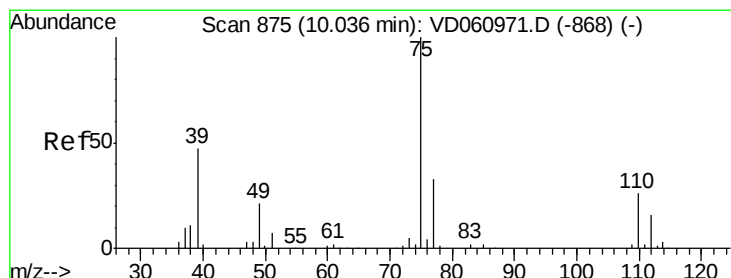
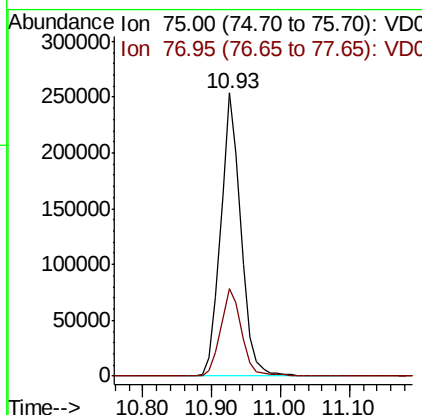
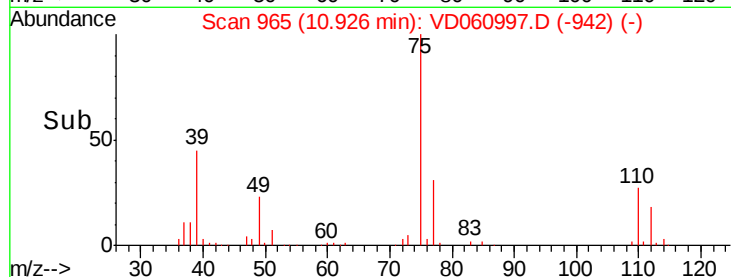
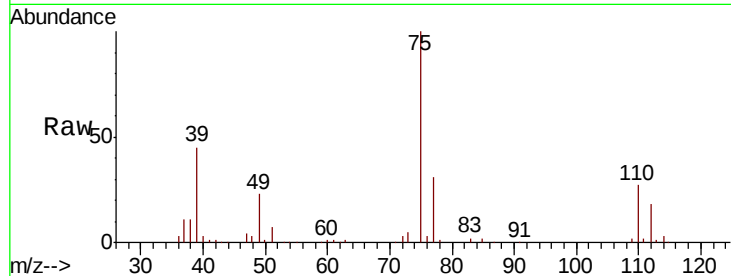




#53
 t-1,3-Dichloropropene
 Concen: 49.907 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

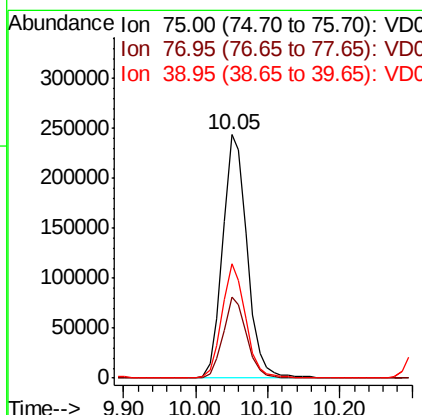
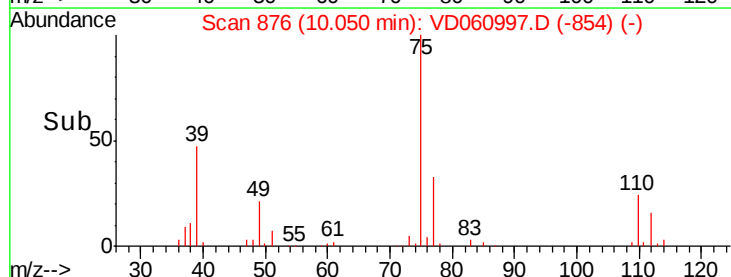
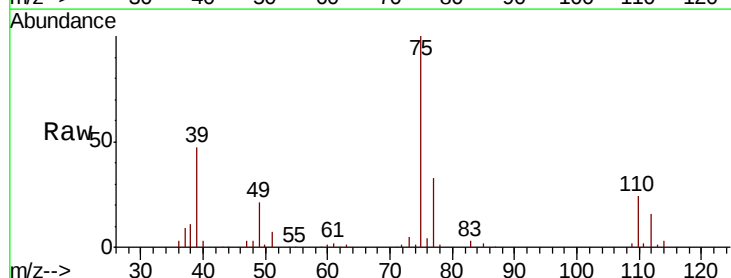
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion: 75 Resp: 514721
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 46.196 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion: 75 Resp: 572459
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.4
 39 47.1 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 48.339 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 97 Resp: 300238

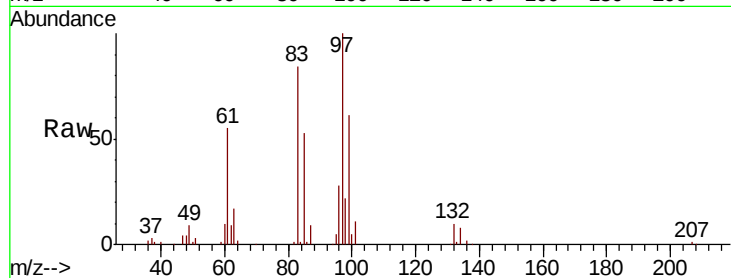
Ion Ratio Lower Upper

97 100

83 84.2 66.6 100.0

85 53.2 46.4 69.6

99 61.3 52.4 78.6

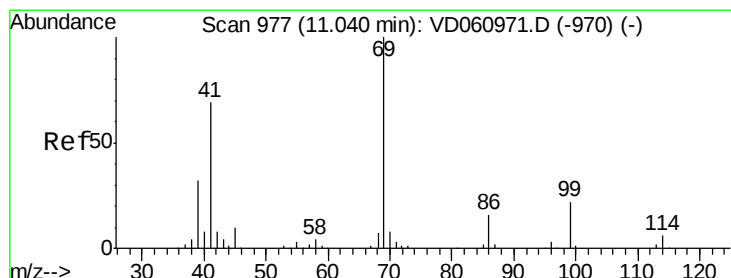
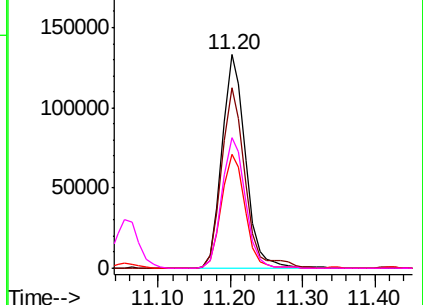
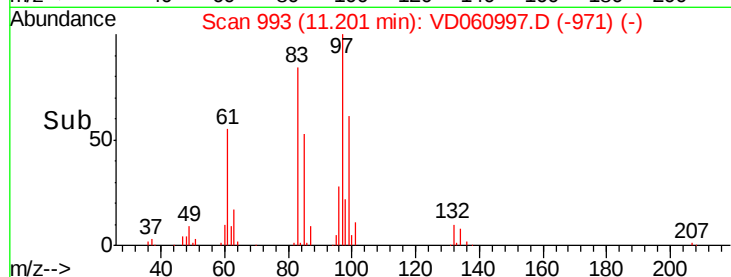


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 48.787 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

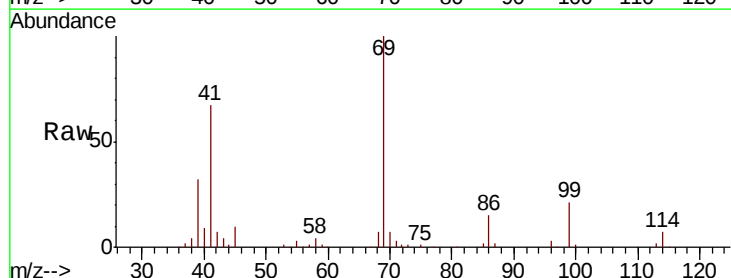
Tgt Ion: 69 Resp: 317174

Ion Ratio Lower Upper

69 100

41 66.6 55.5 83.3

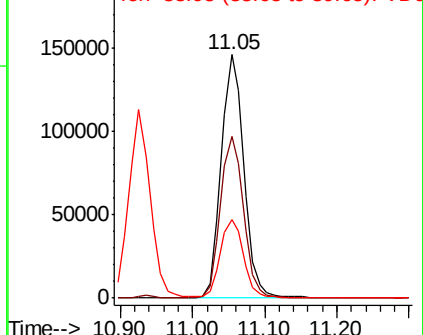
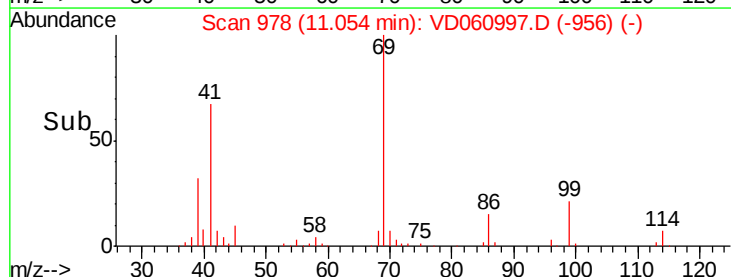
39 32.5 26.2 39.2

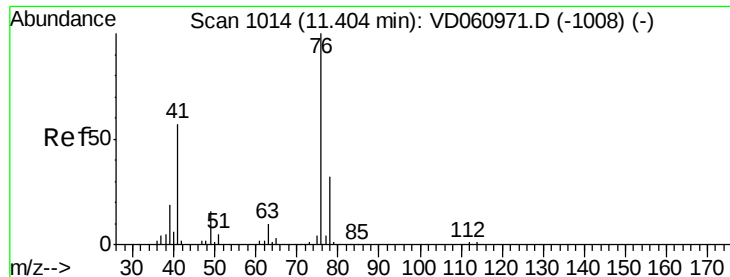


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

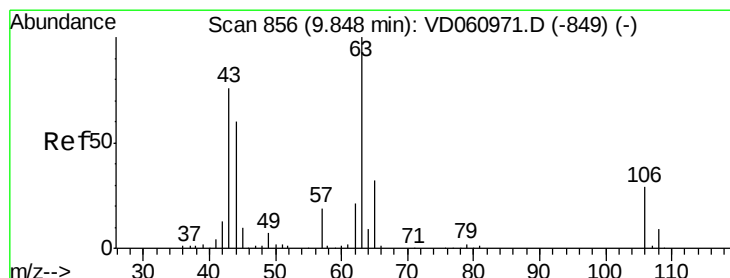
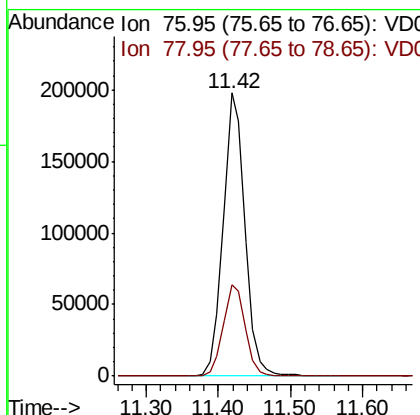
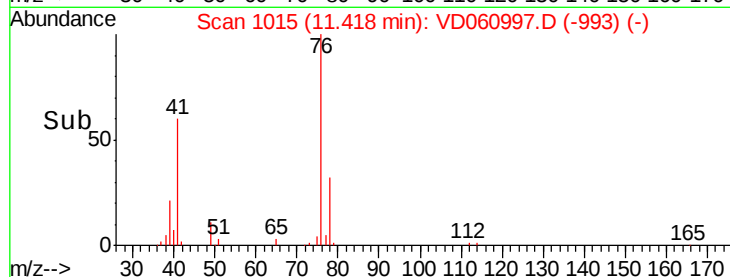
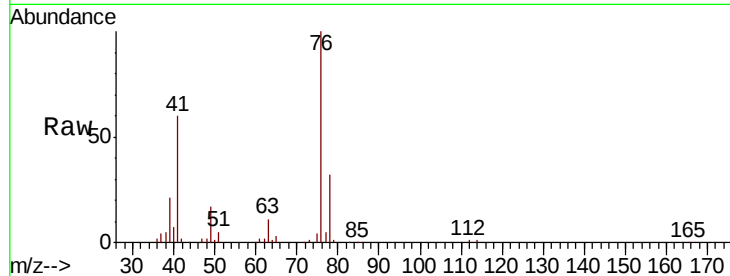




#57
 1,3-Dichloropropane
 Concen: 44.408 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

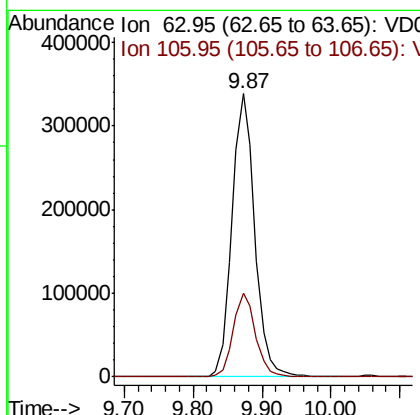
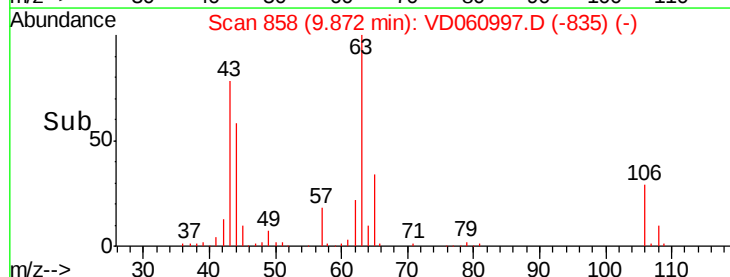
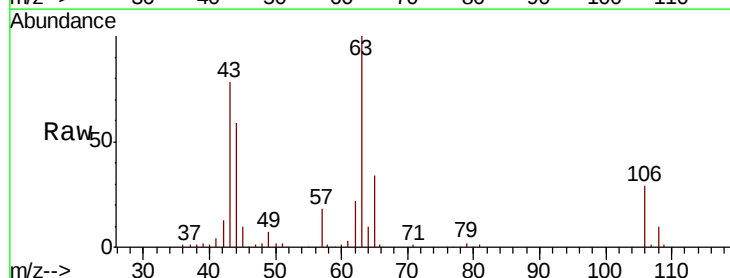
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

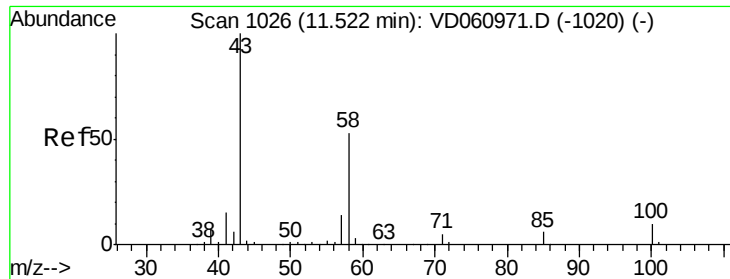
Tot Ion: 76 Resp: 412185
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.062 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion: 63 Resp: 774491
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.8 34.2

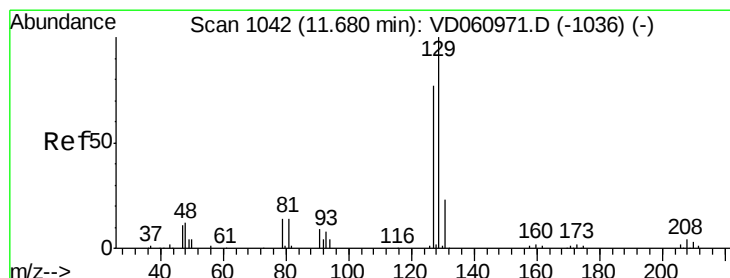
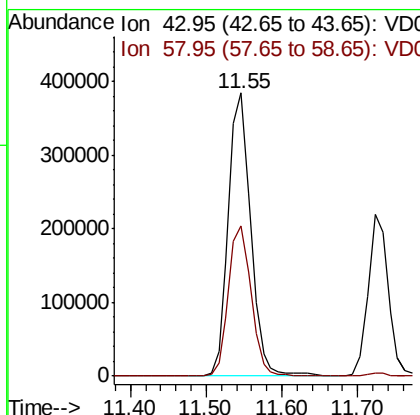
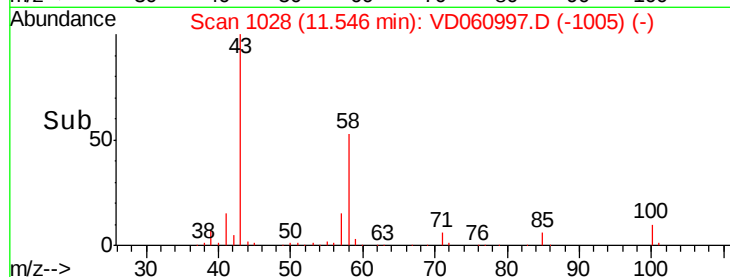
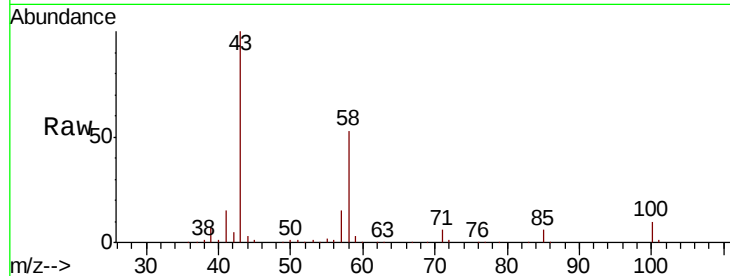




#59
2-Hexanone
Concen: 225.038 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

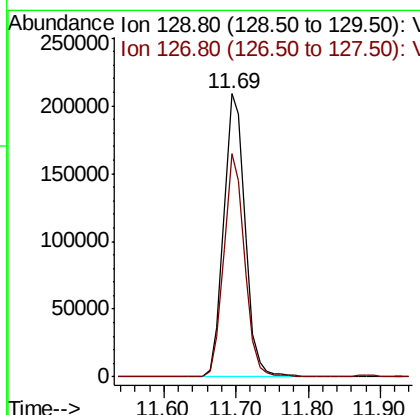
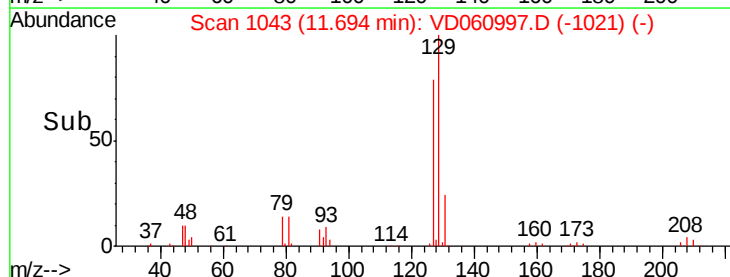
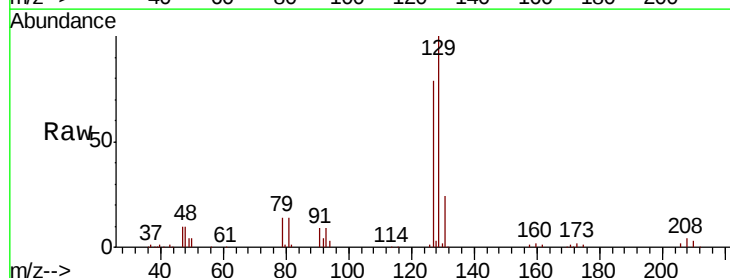
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

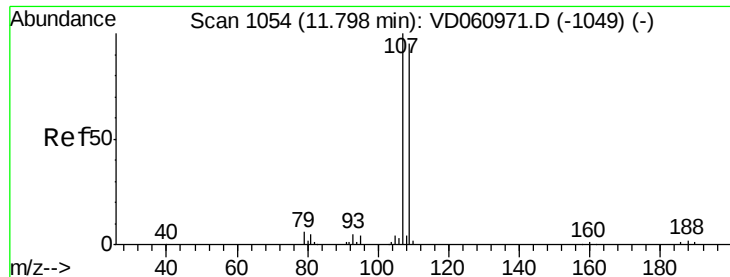
Tot Ion: 43 Resp: 786748
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5



#60
Dibromochloromethane
Concen: 46.821 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 129 Resp: 427988
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.9

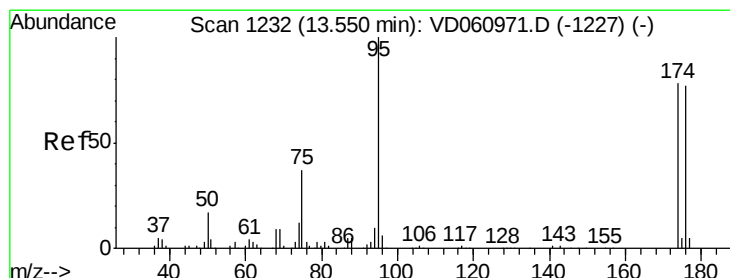
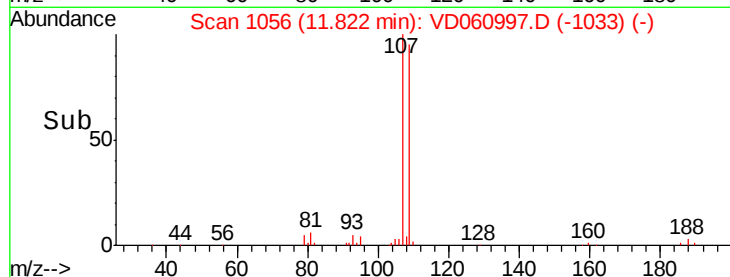
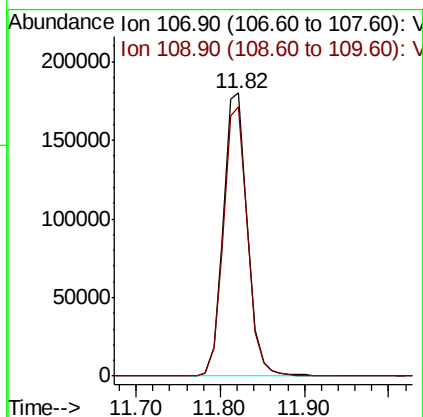
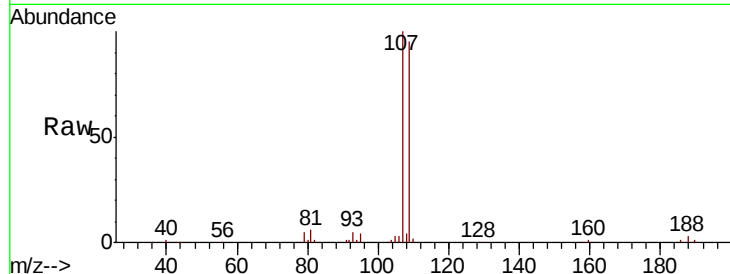




#61
 1,2-Dibromoethane
 Concen: 49.210 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

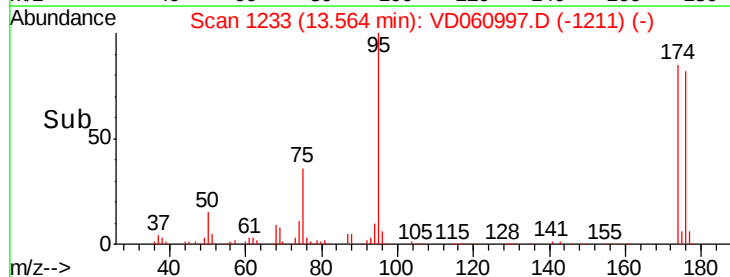
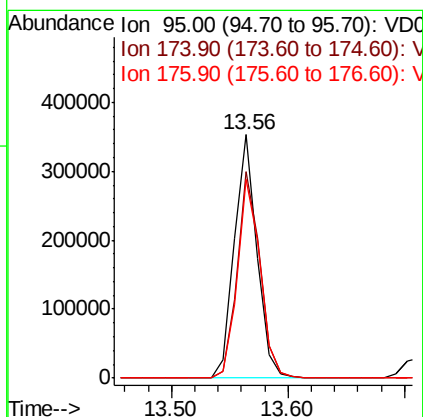
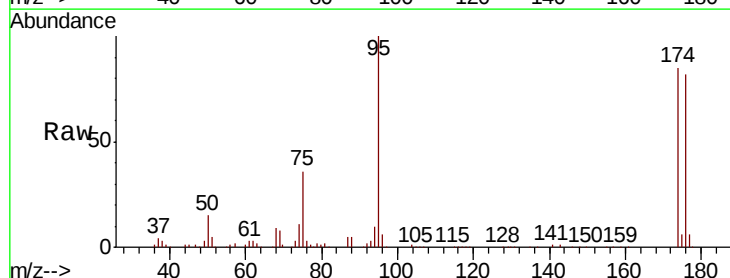
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

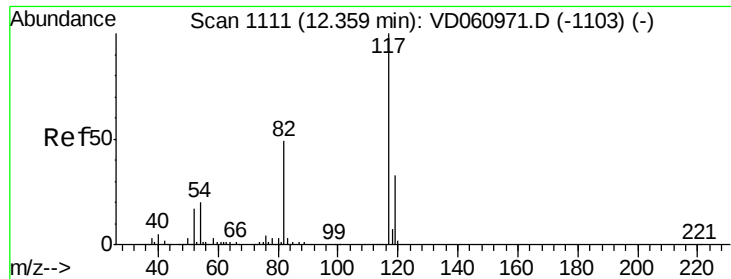
Tot Ion: 107 Resp: 355554
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.210 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion: 95 Resp: 472808
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 155.6
 176 81.8 0.0 153.8

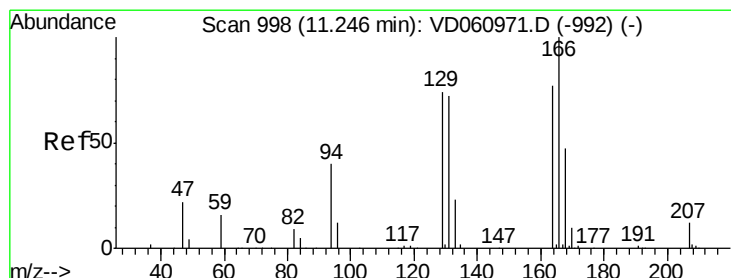
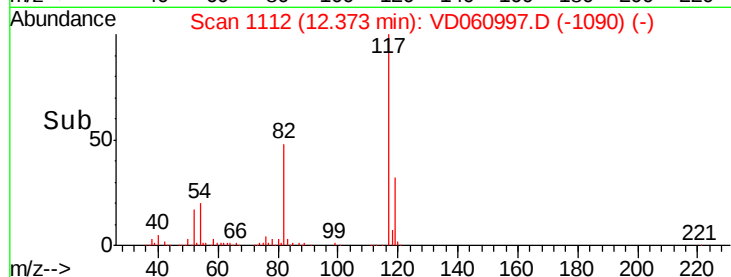
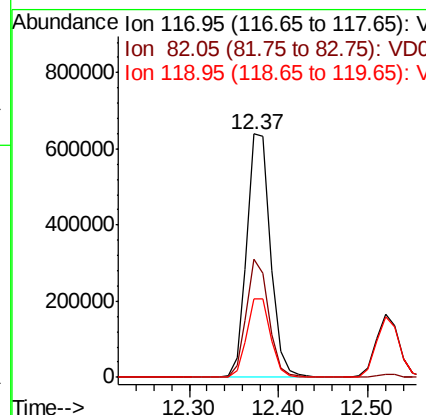
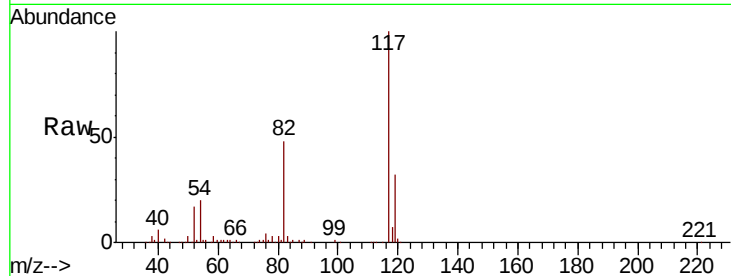




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

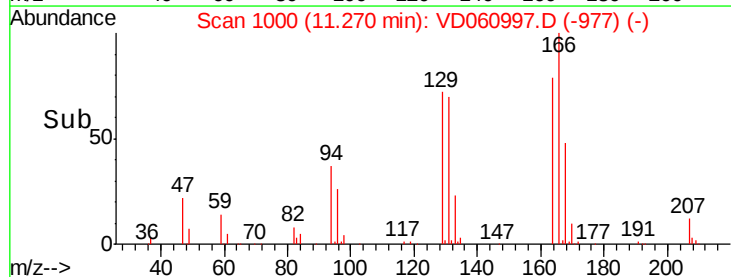
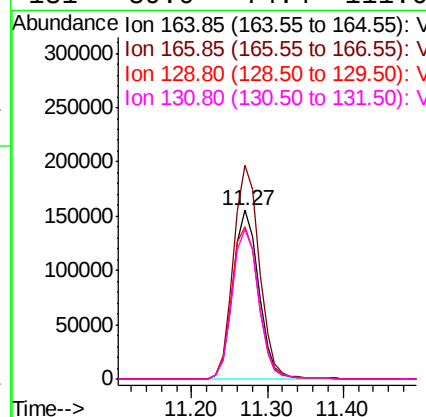
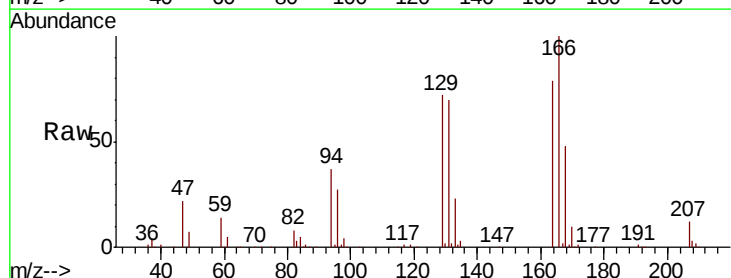
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

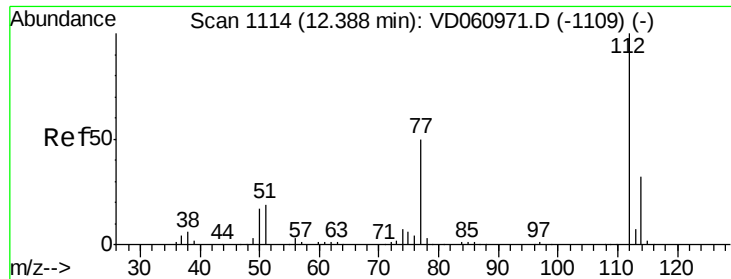
Tot Ion:117 Resp: 1179578
Ion Ratio Lower Upper
117 100
82 48.4 38.9 58.3
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 46.068 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion:164 Resp: 366824
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.0
129 90.7 76.9 115.3
131 89.0 74.4 111.6

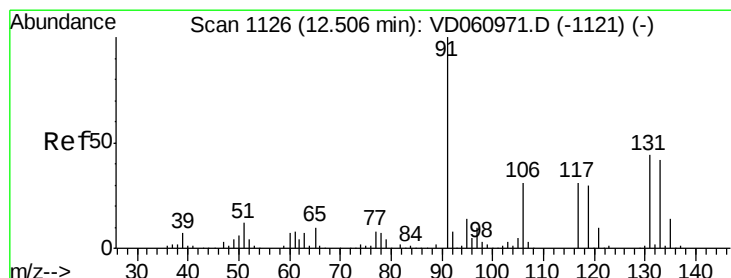
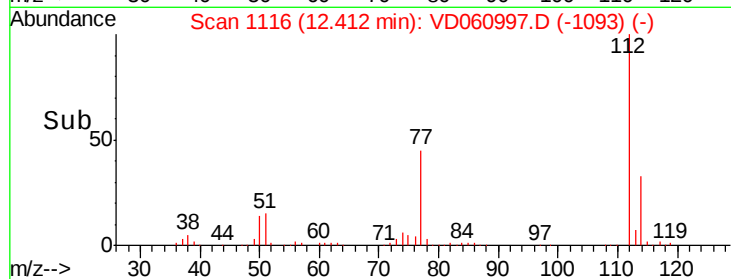
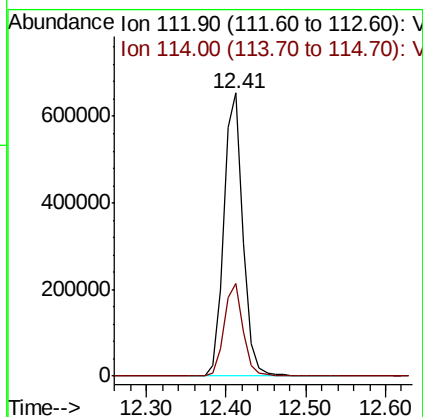
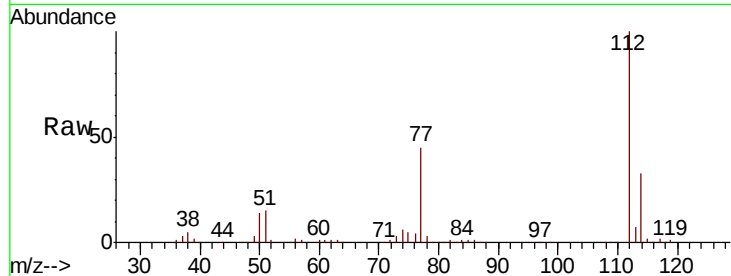




#65
Chlorobenzene
Concen: 47.837 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

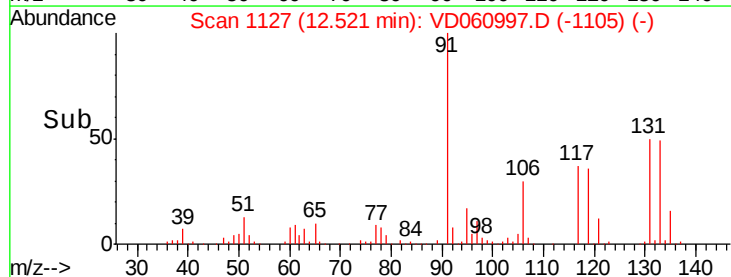
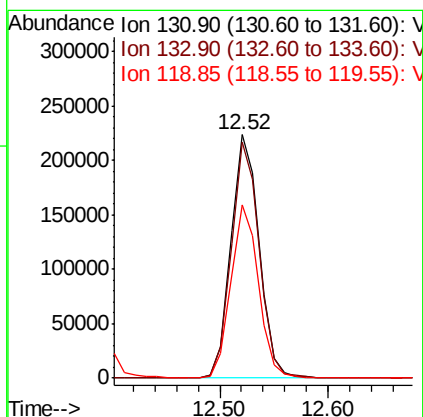
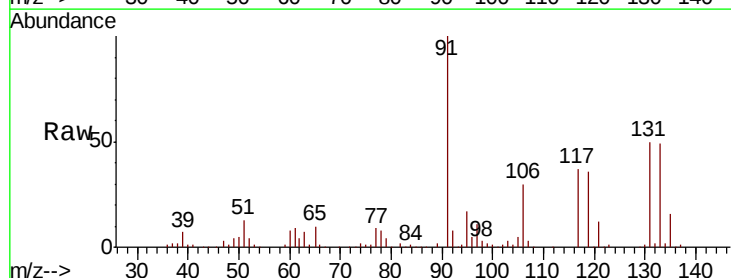
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion:112 Resp: 1106207
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.997 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion:131 Resp: 403880
Ion Ratio Lower Upper
131 100
133 96.7 47.8 143.3
119 71.0 34.3 102.9

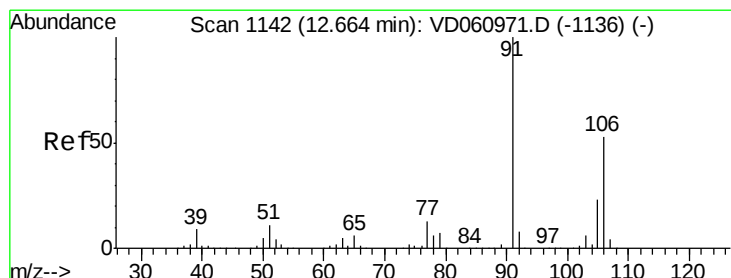
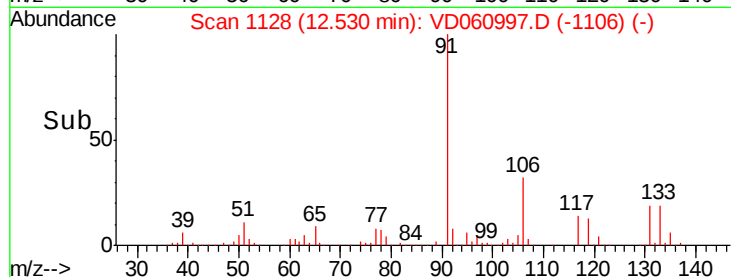
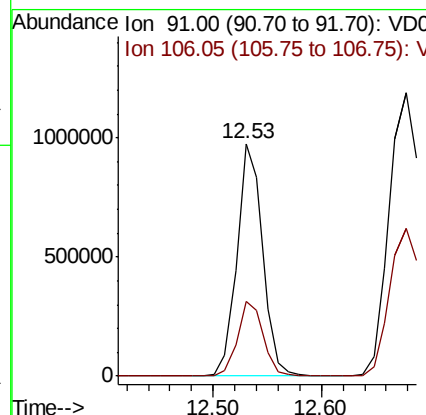
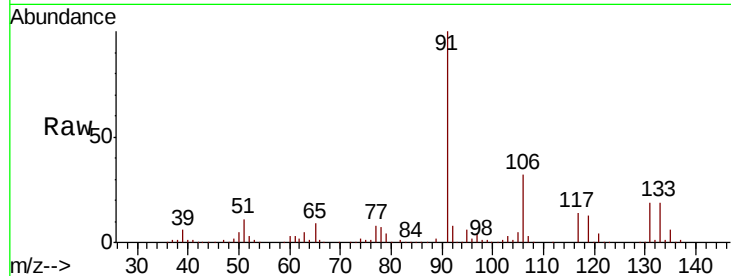




#67
Ethyl Benzene
Concen: 46.759 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

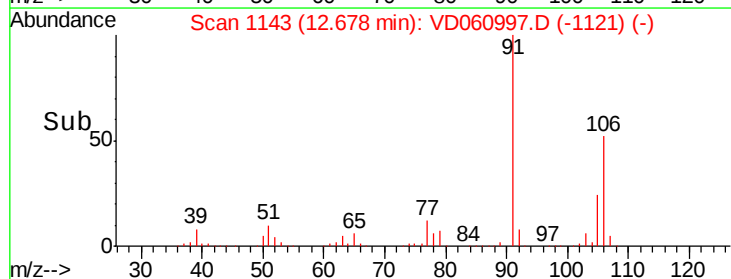
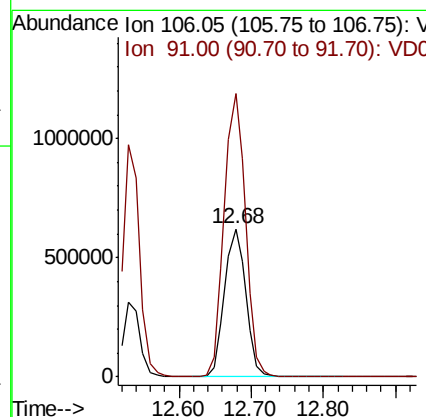
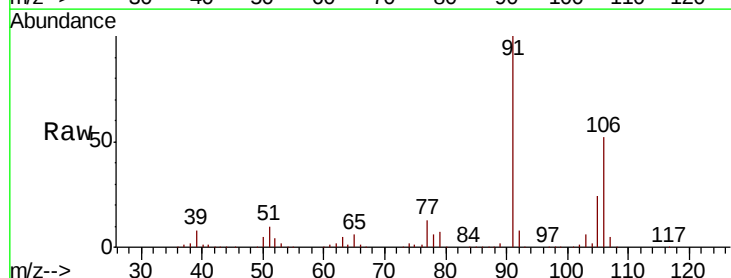
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

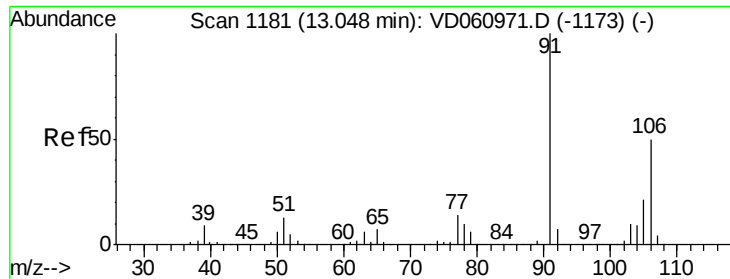
Tot Ion: 91 Resp: 1609761
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 94.029 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion: 106 Resp: 1270551
Ion Ratio Lower Upper
106 100
91 191.5 152.0 228.0

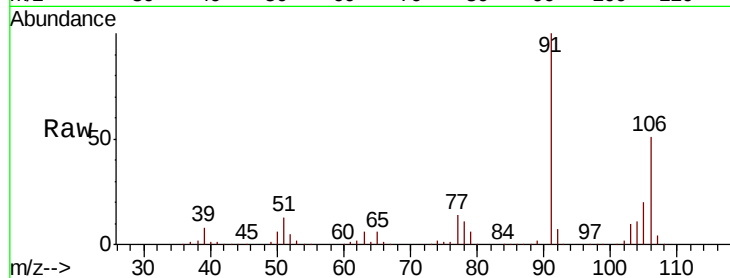




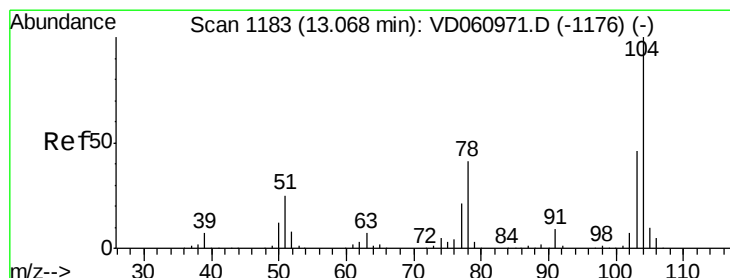
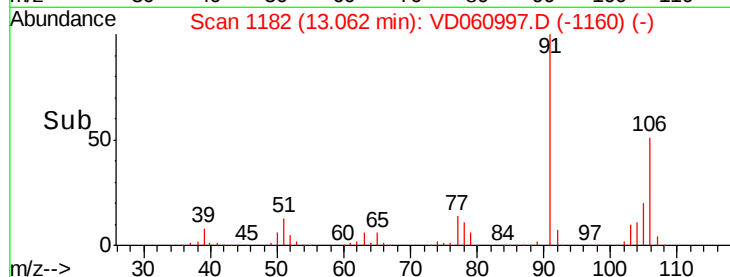
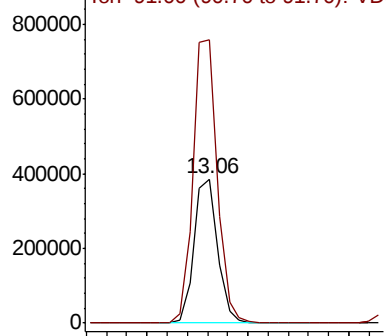
#69
o-Xylene
Concen: 47.588 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion:106 Resp: 632077
Ion Ratio Lower Upper
106 100
91 196.5 99.8 299.3

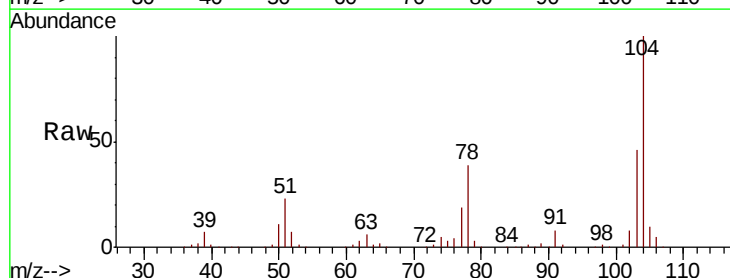


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

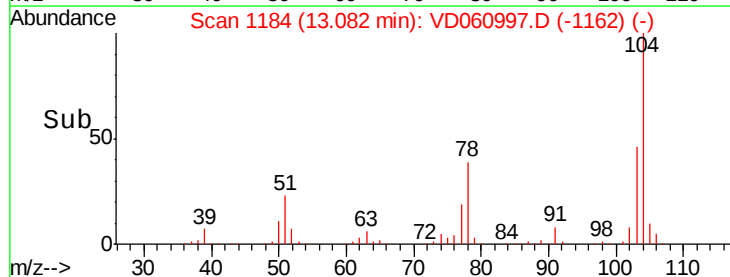
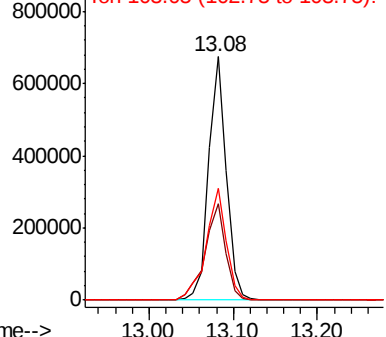


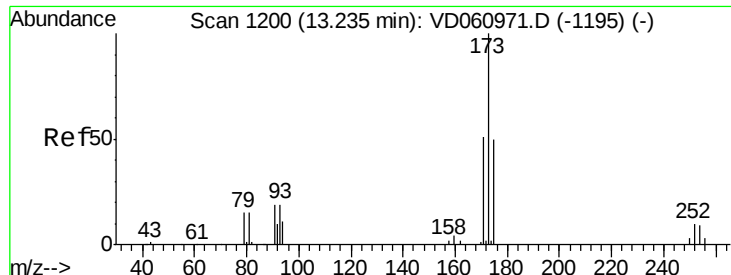
#70
Styrene
Concen: 45.554 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion:104 Resp: 988004
Ion Ratio Lower Upper
104 100
78 39.5 33.0 49.4
103 45.9 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 45.402 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

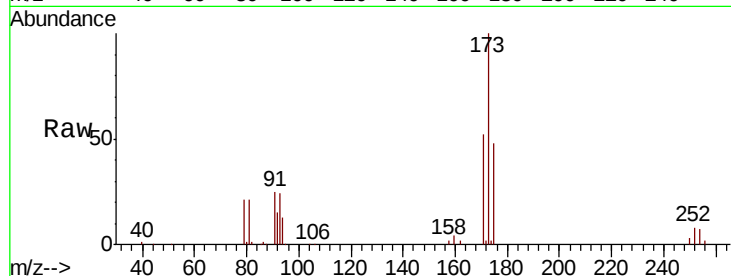
Tot Ion:173 Resp: 241426

Ion Ratio Lower Upper

173 100

175 48.3 24.9 74.8

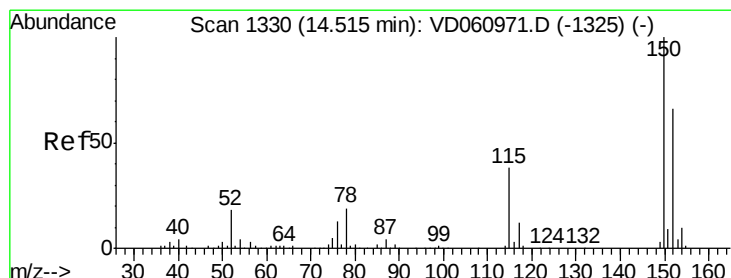
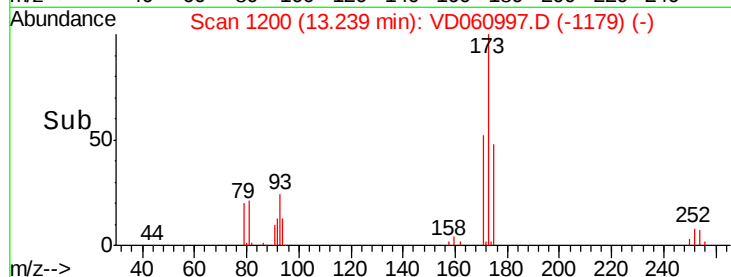
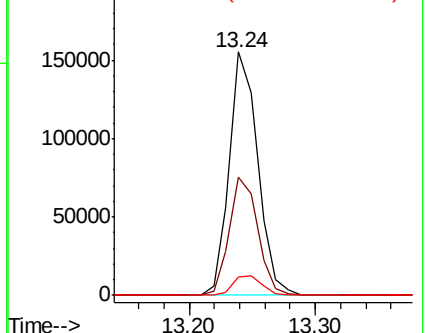
254 7.4 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

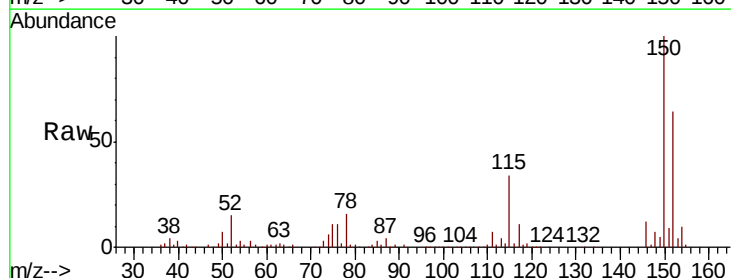
Tgt Ion:152 Resp: 470707

Ion Ratio Lower Upper

152 100

115 52.4 28.6 85.9

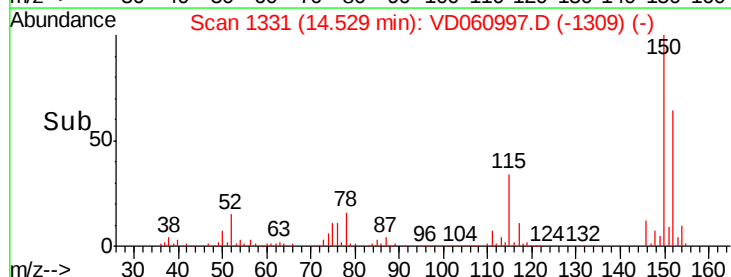
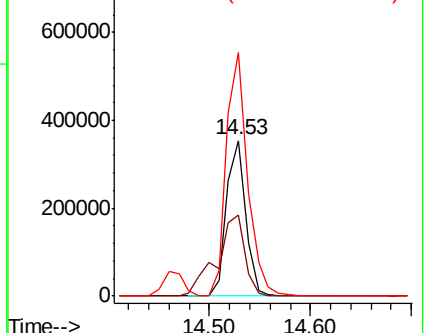
150 156.3 0.0 310.6

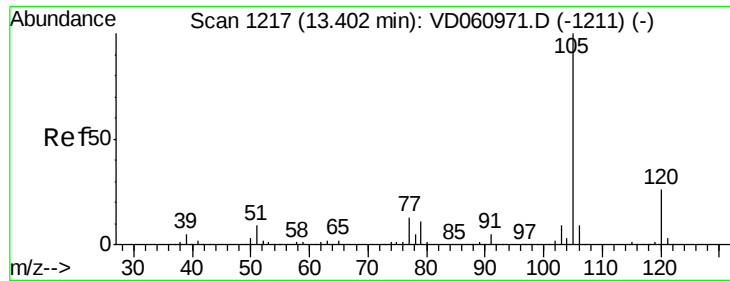


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.483 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

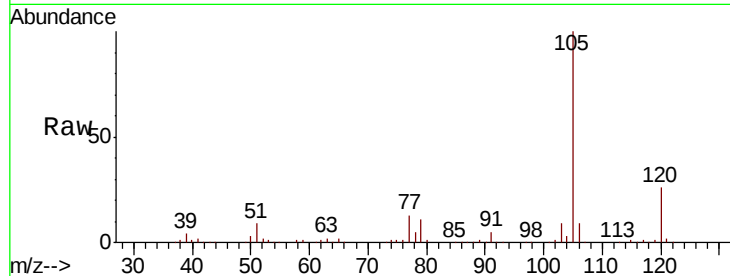
VSTD05006

Tot Ion:105 Resp: 1678601

Ion Ratio Lower Upper

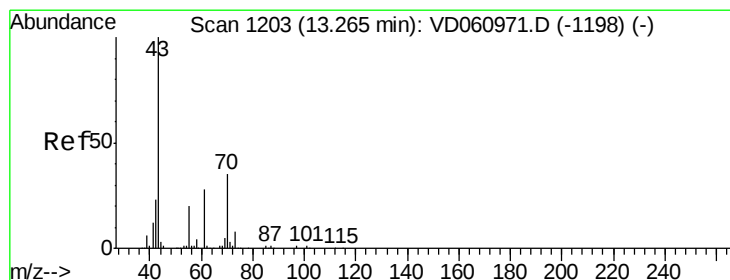
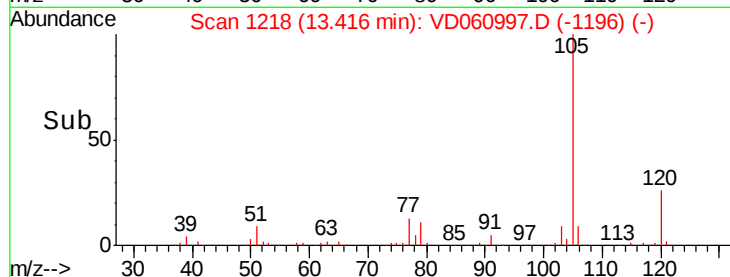
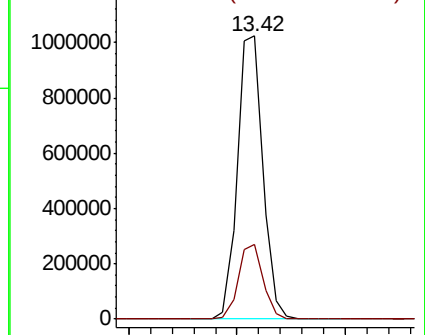
105 100

120 26.3 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.947 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Tgt Ion: 43 Resp: 457989

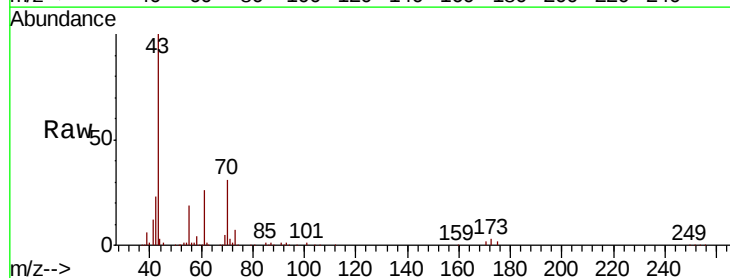
Ion Ratio Lower Upper

43 100

70 30.8 27.7 41.5

55 19.2 16.2 24.2

61 26.1 22.3 33.5

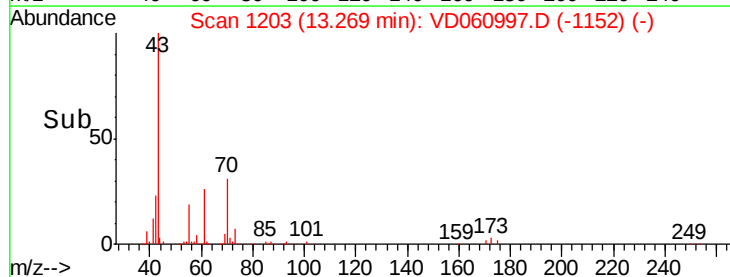
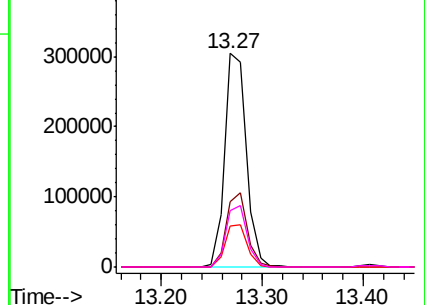


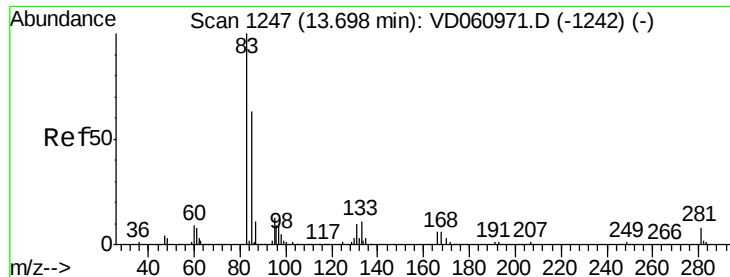
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.870 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

VSTD05006

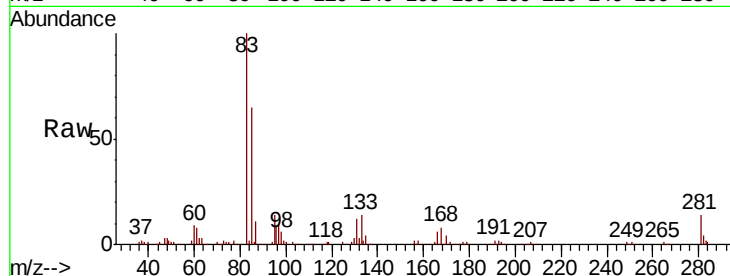
Tot Ion: 83 Resp: 316827

Ion Ratio Lower Upper

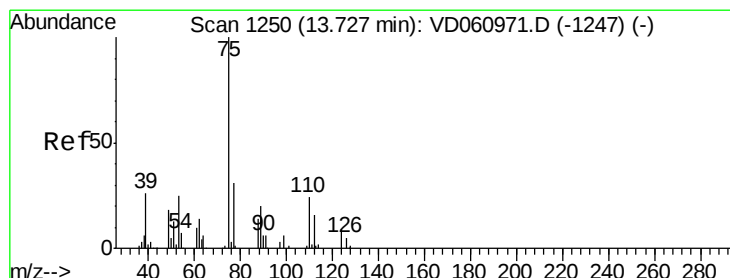
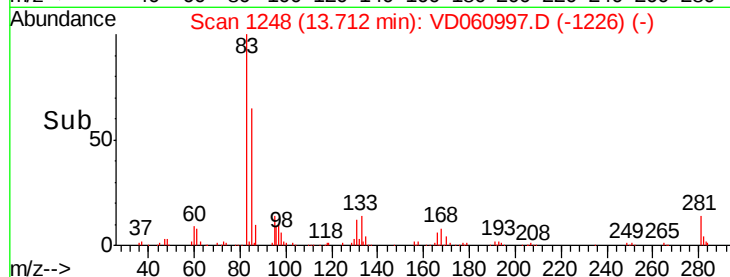
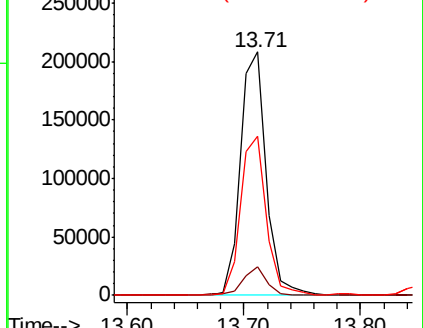
83 100

131 11.8 5.1 15.3

85 65.3 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.477 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060997.D

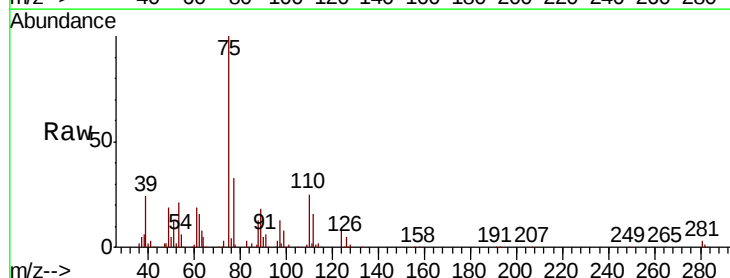
Acq: 11 Mar 2019 11:20

Tgt Ion: 75 Resp: 335057

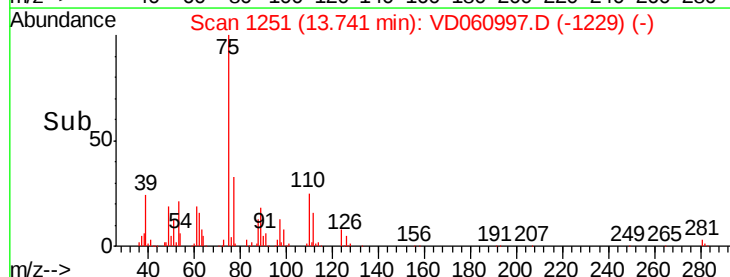
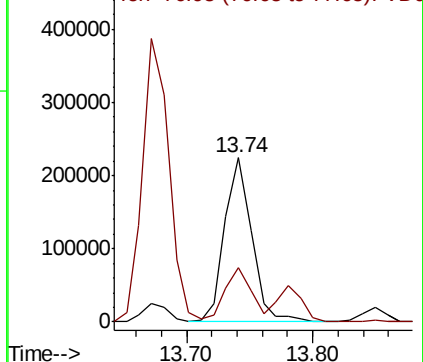
Ion Ratio Lower Upper

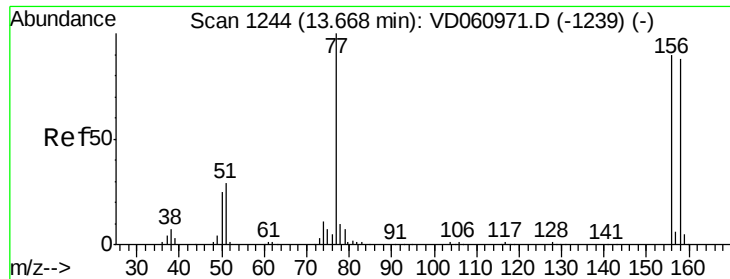
75 100

77 33.3 16.6 49.7



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





#77

Bromobenzene

Concen: 50.863 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

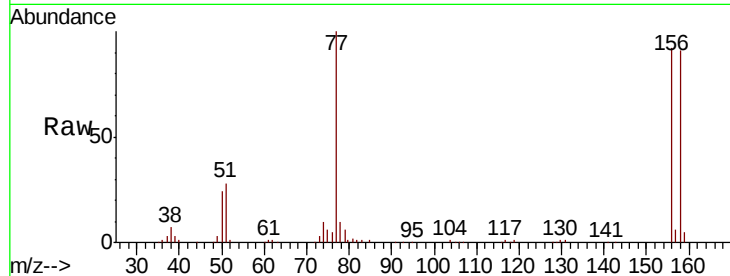
Tot Ion:156 Resp: 440449

Ion Ratio Lower Upper

156 100

77 108.2 55.5 166.7

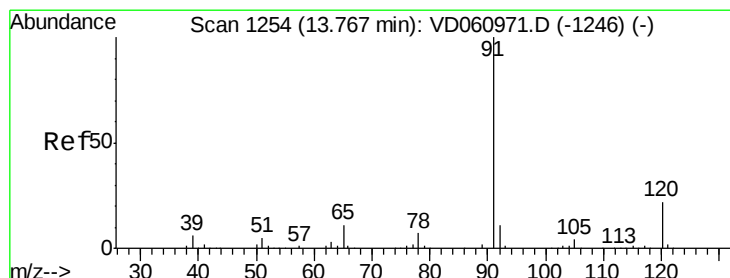
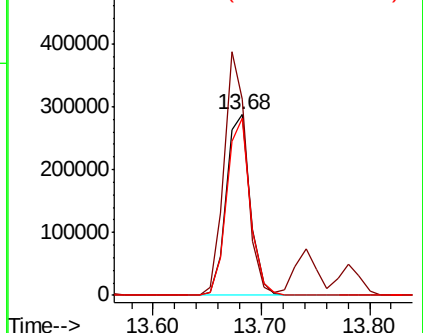
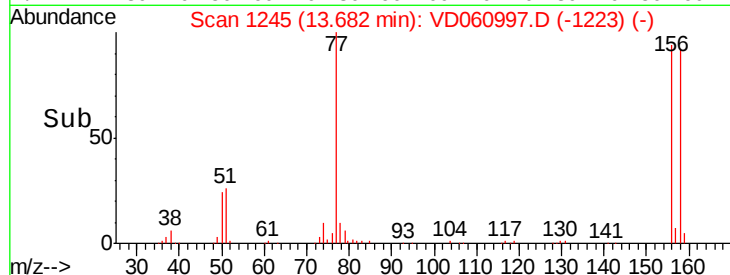
158 98.2 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.362 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060997.D

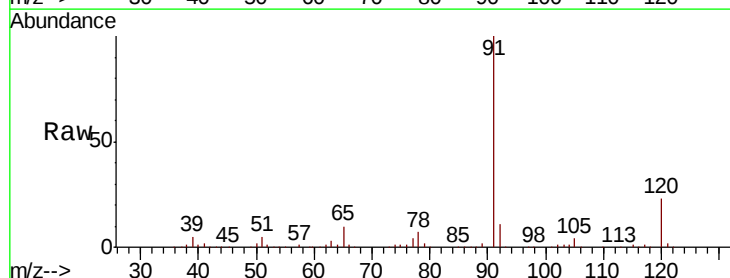
Acq: 11 Mar 2019 11:20

Tgt Ion: 91 Resp: 1960329

Ion Ratio Lower Upper

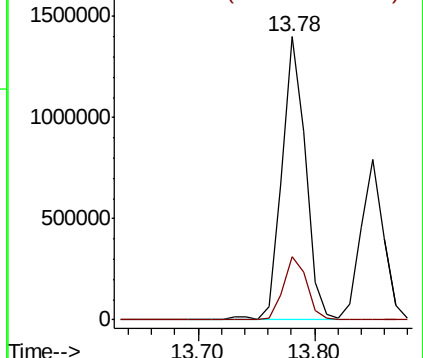
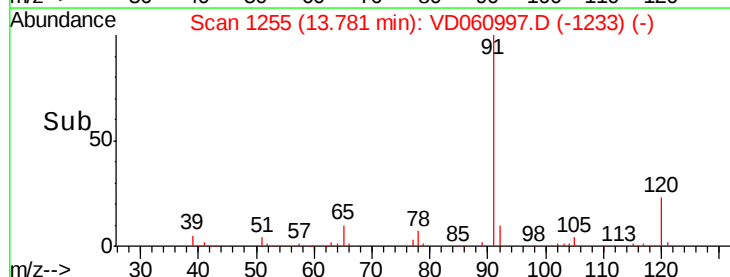
91 100

120 22.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.591 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

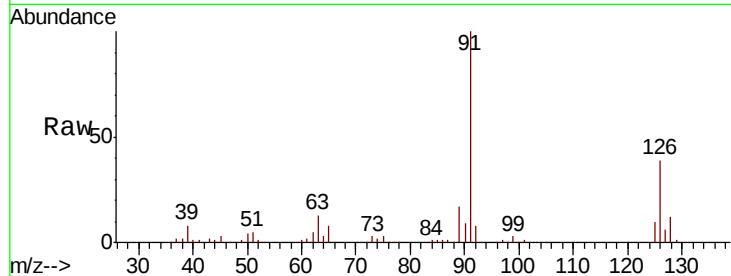
VSTD05006

Tot Ion: 91 Resp: 1062384

Ion Ratio Lower Upper

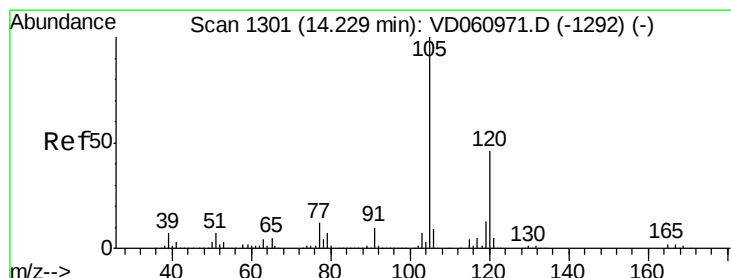
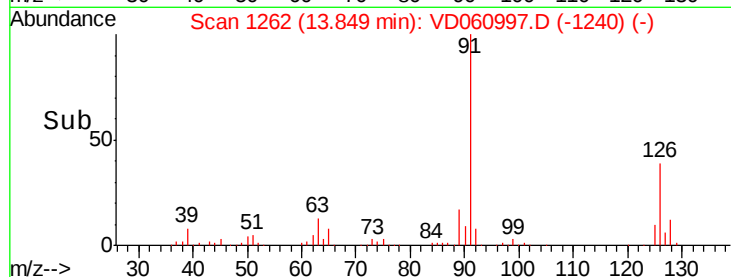
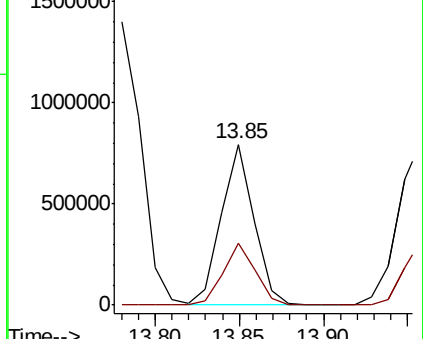
91 100

126 38.5 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 46.984 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060997.D

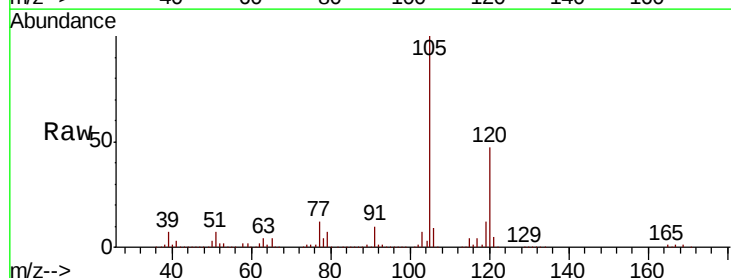
Acq: 11 Mar 2019 11:20

Tgt Ion:105 Resp: 1209974

Ion Ratio Lower Upper

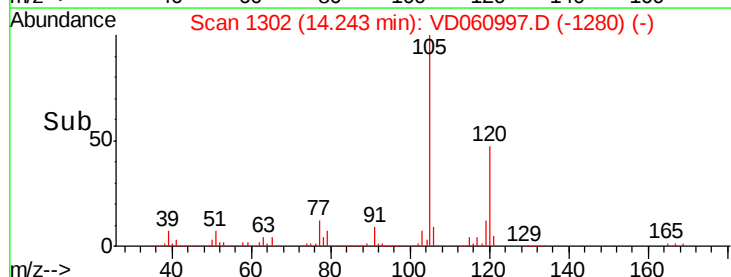
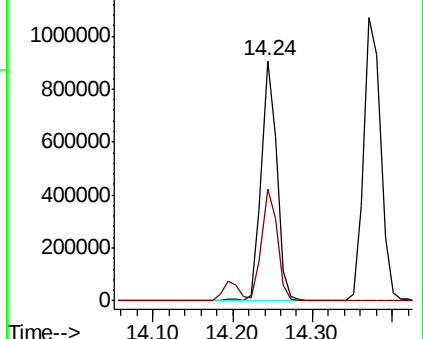
105 100

120 46.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.284 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

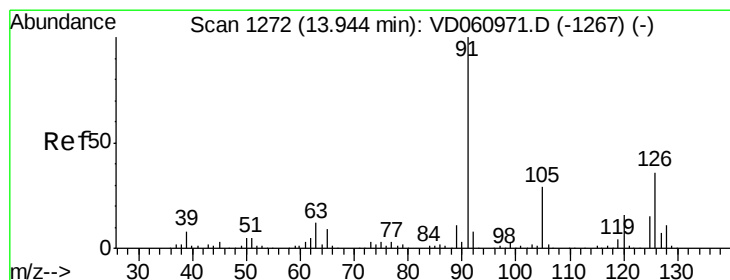
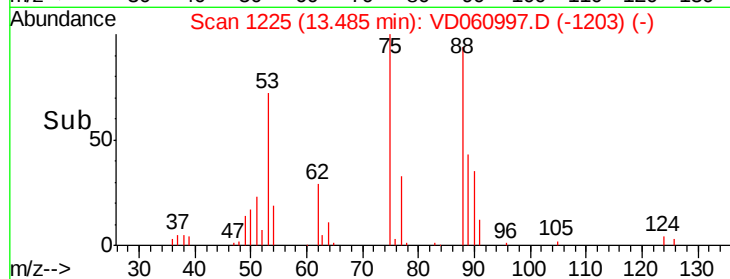
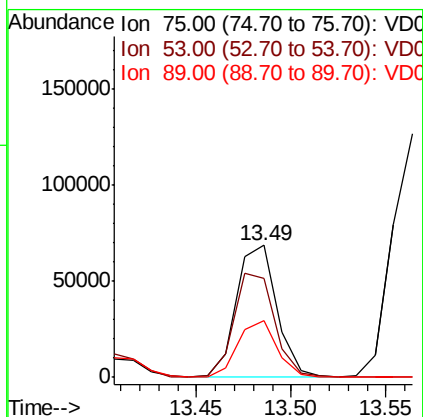
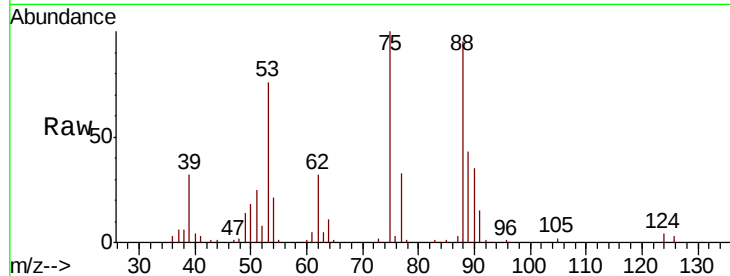
Tot Ion: 75 Resp: 102389

Ion Ratio Lower Upper

75 100

53 75.6 64.4 96.6

89 43.3 34.8 52.2



#82

4-Chlorotoluene

Concen: 45.928 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060997.D

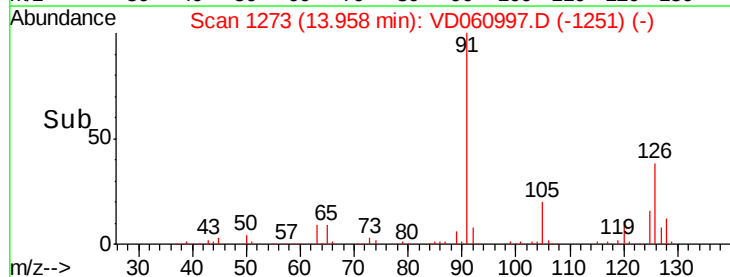
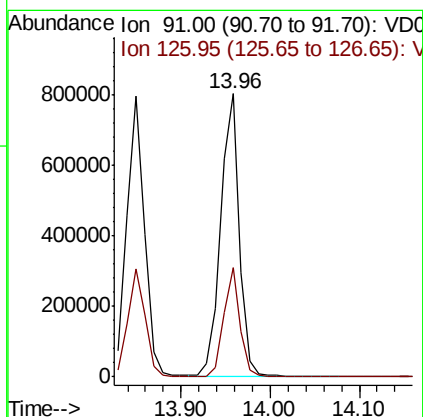
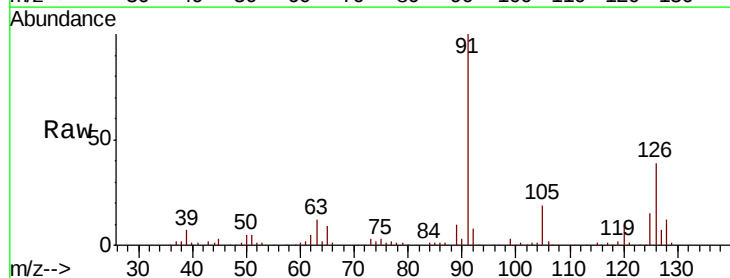
Acq: 11 Mar 2019 11:20

Tgt Ion: 91 Resp: 1187106

Ion Ratio Lower Upper

91 100

126 38.5 18.0 54.0

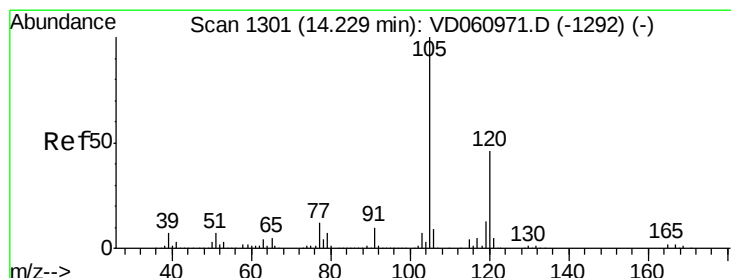
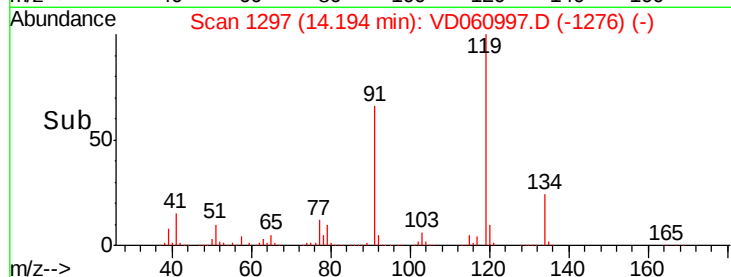
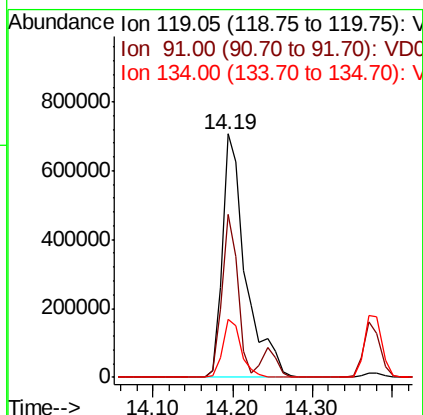
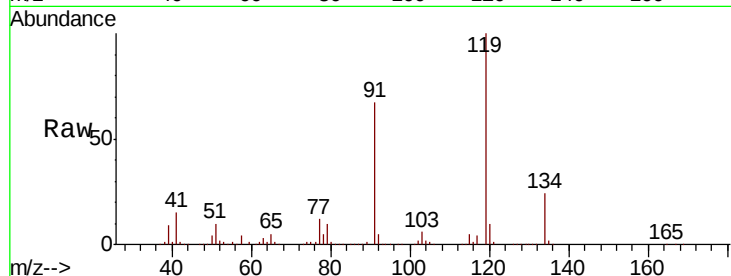




#83
tert-Butylbenzene
Concen: 51.351 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

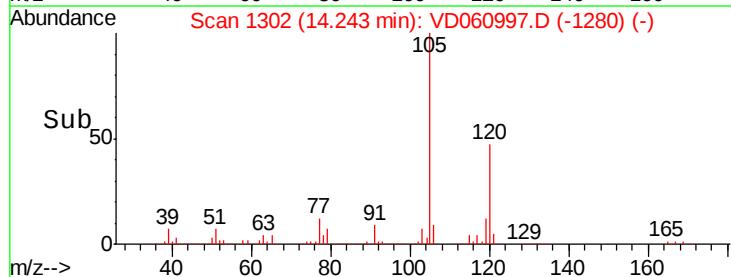
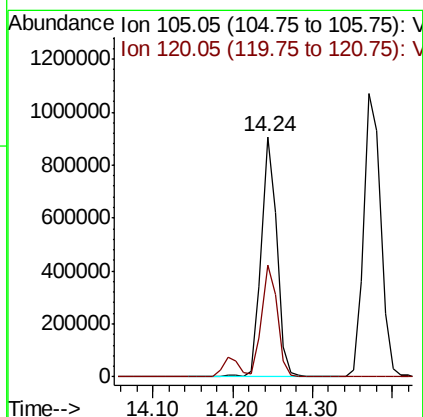
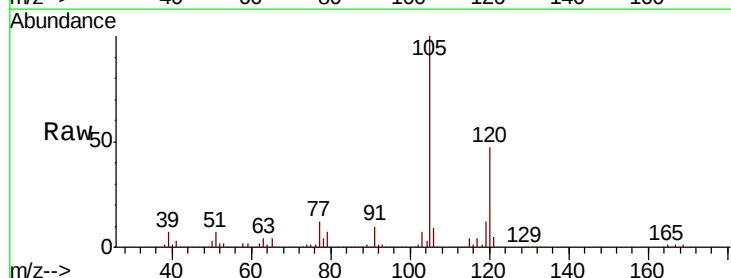
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

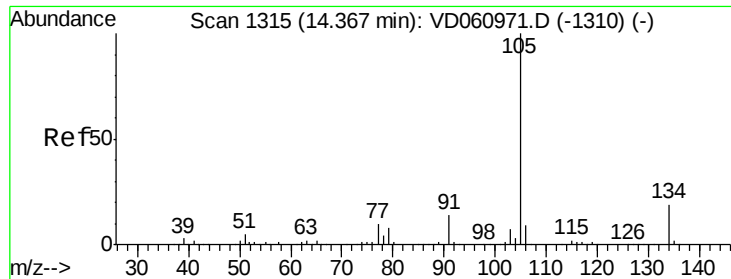
Tot Ion:119 Resp: 1447258
Ion Ratio Lower Upper
119 100
91 67.2 30.1 90.3
134 23.8 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 46.984 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion:105 Resp: 1209974
Ion Ratio Lower Upper
105 100
120 46.6 22.9 68.5

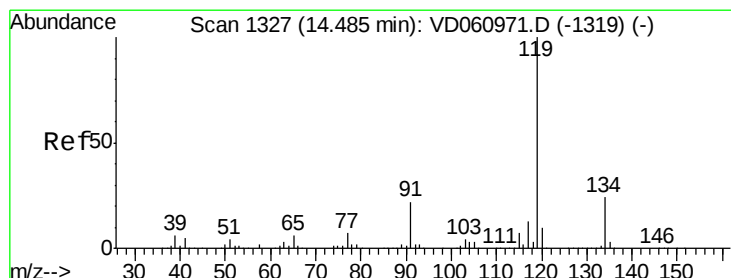
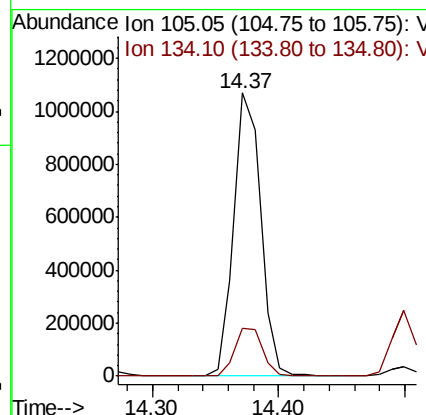
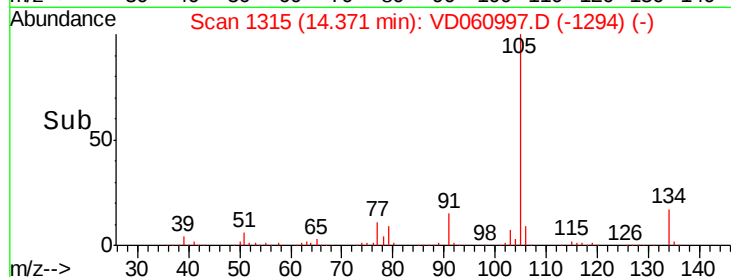
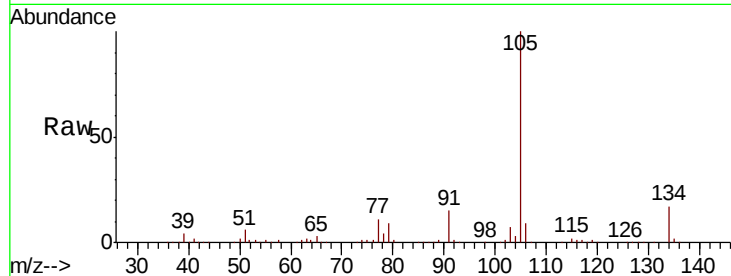




#85
 sec-Butylbenzene
 Concen: 45.661 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

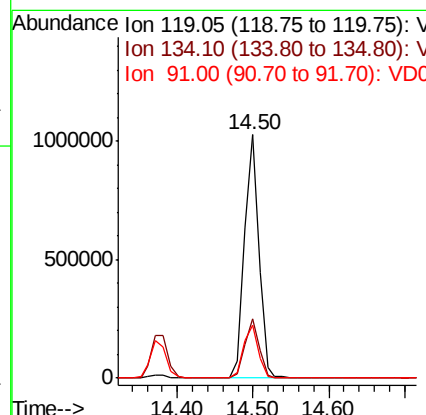
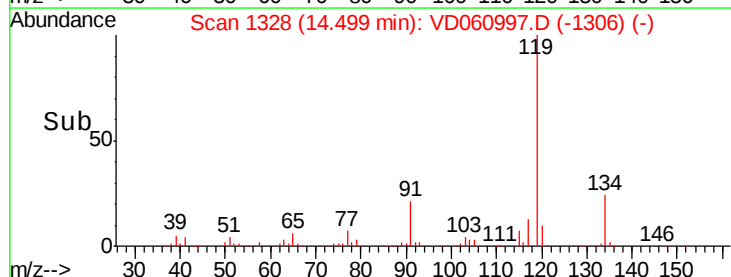
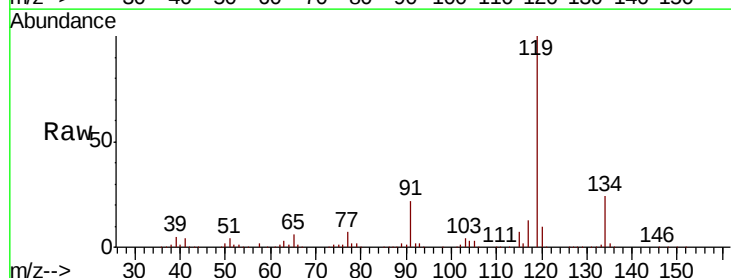
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion:105 Resp: 1571046
 Ion Ratio Lower Upper
 105 100
 134 17.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 47.198 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion:119 Resp: 1327397
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.0 36.1
 91 21.7 11.2 33.6

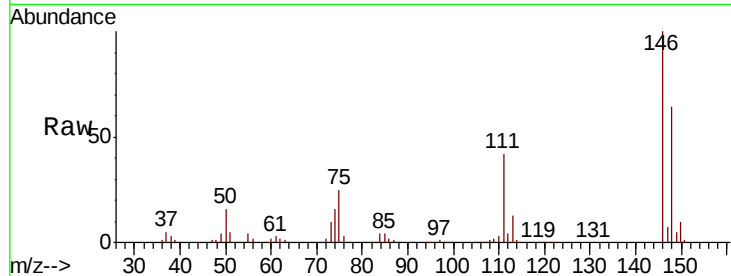




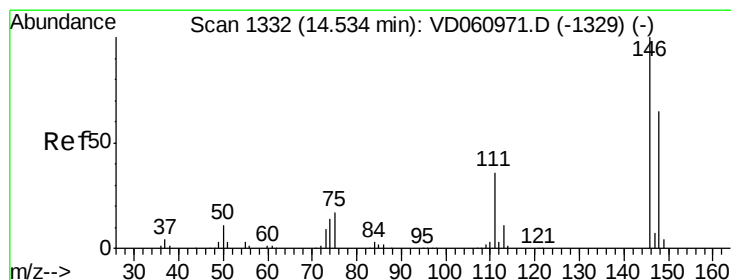
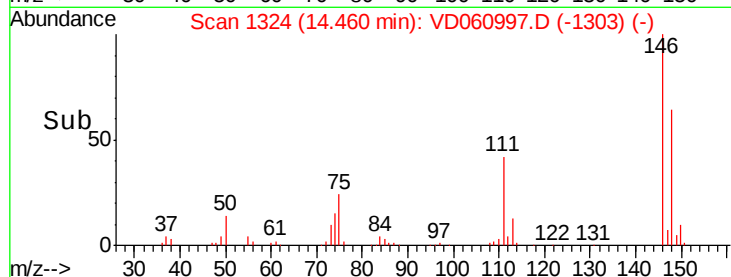
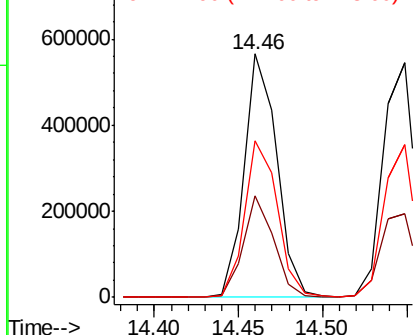
#87
 1,3-Dichlorobenzene
 Concen: 49.163 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion:146 Resp: 760203
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.4 55.4
 148 64.5 32.5 97.4

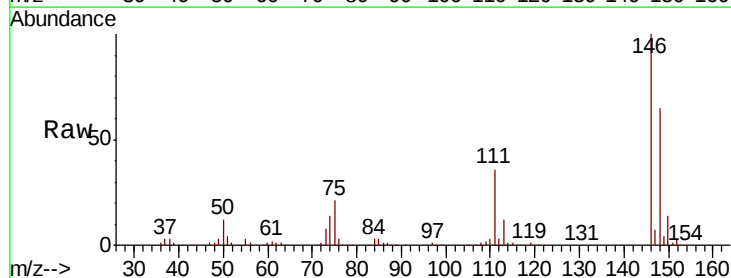


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

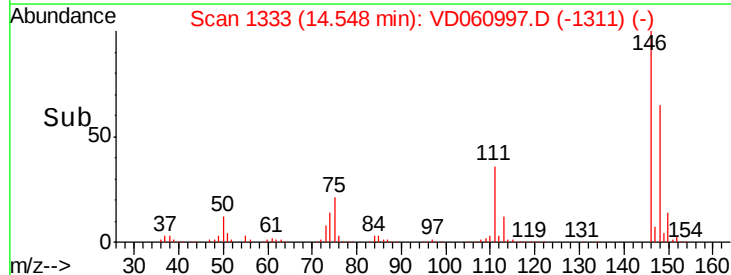
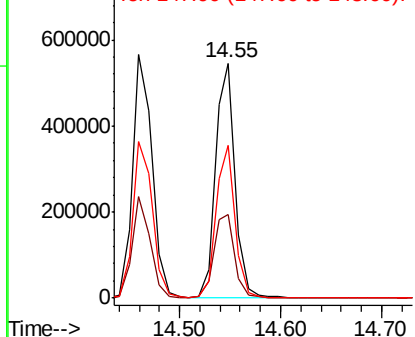


#88
 1,4-Dichlorobenzene
 Concen: 48.440 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion:146 Resp: 736048
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.2
 148 64.8 32.5 97.5



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





#89

n-Butylbenzene

Concen: 47.392 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD060997.D

Acq: 11 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

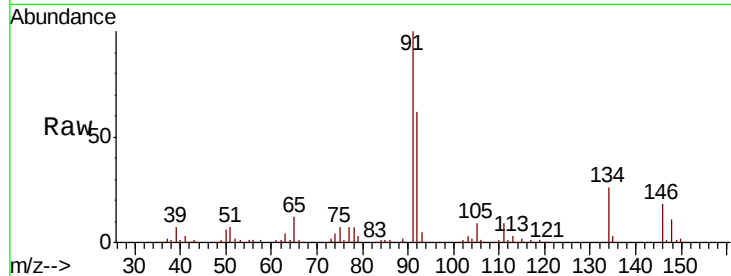
Tot Ion: 91 Resp: 1279974

Ion Ratio Lower Upper

91 100

92 61.8 30.6 91.8

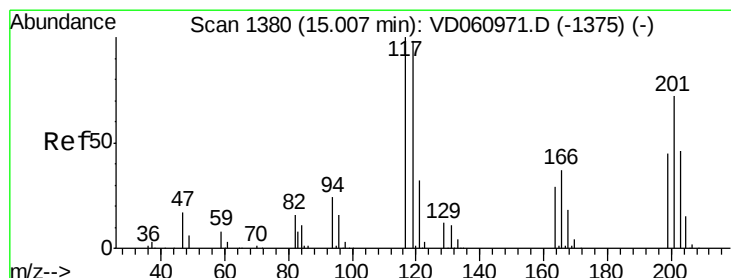
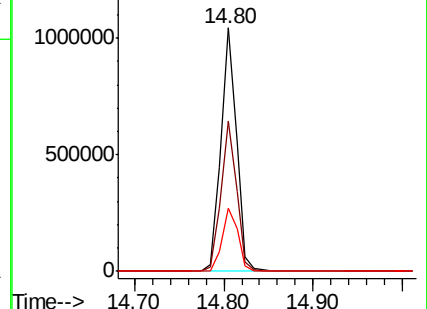
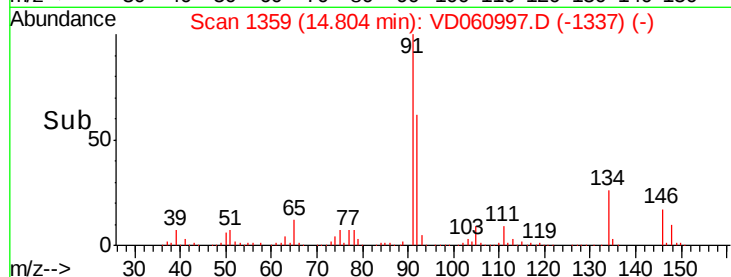
134 26.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.144 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060997.D

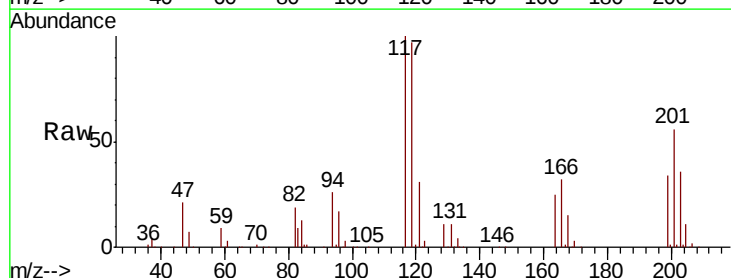
Acq: 11 Mar 2019 11:20

Tgt Ion: 117 Resp: 398214

Ion Ratio Lower Upper

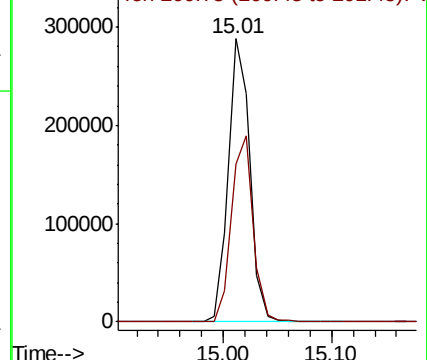
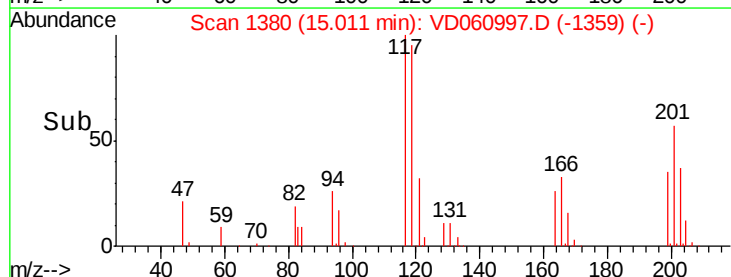
117 100

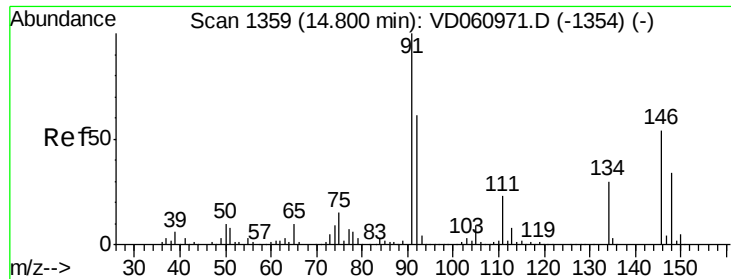
201 55.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

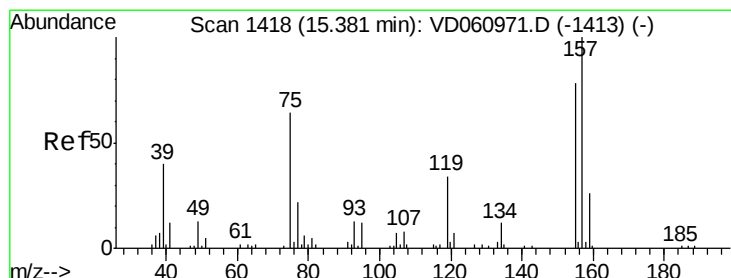
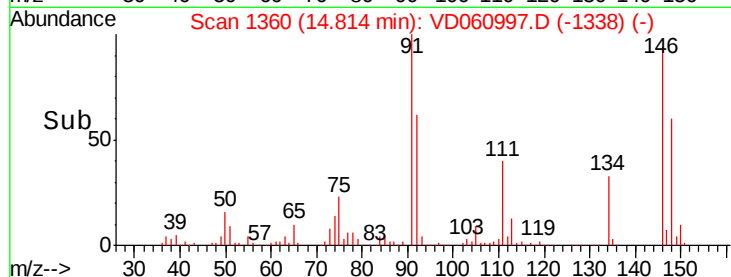
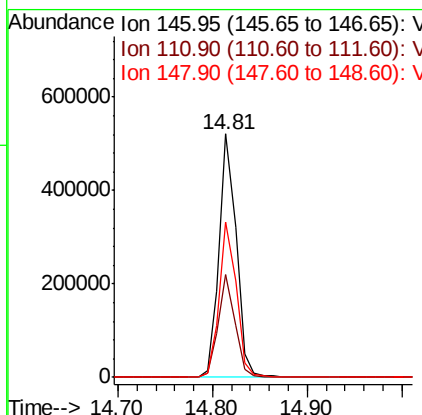
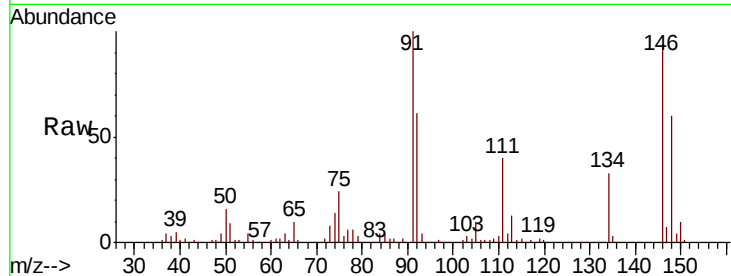




#91
 1,2-Dichlorobenzene
 Concen: 50.725 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

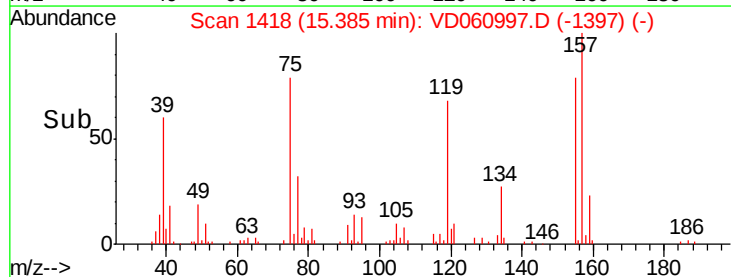
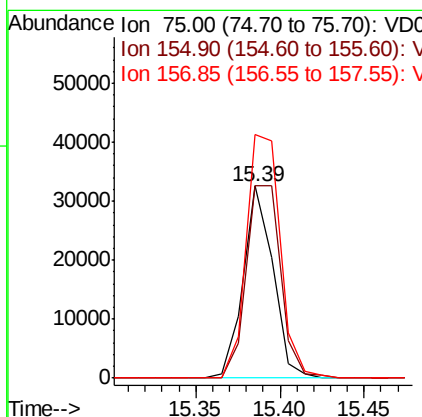
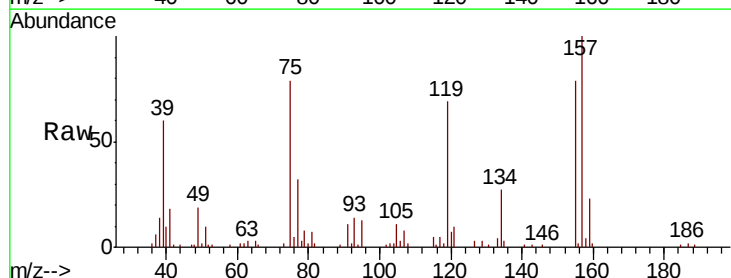
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion:146 Resp: 653879
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.5 64.5
 148 64.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.847 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion: 75 Resp: 39756
 Ion Ratio Lower Upper
 75 100
 155 100.5 61.2 183.5
 157 126.9 78.3 234.8

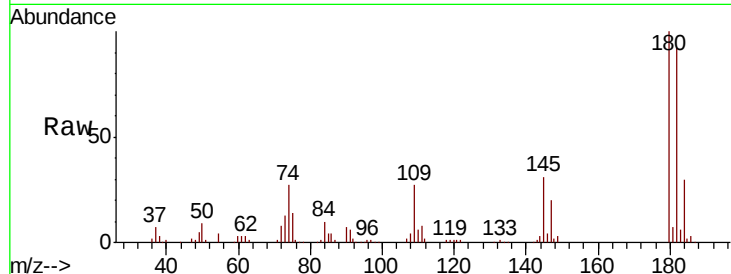




#93
 1,2,4-Trichlorobenzene
 Concen: 50.654 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.3	142.0
145	30.5	14.4	43.0

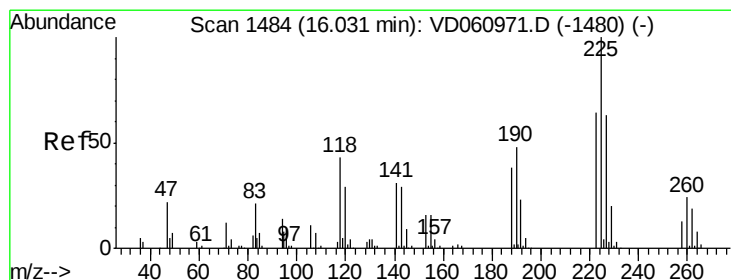
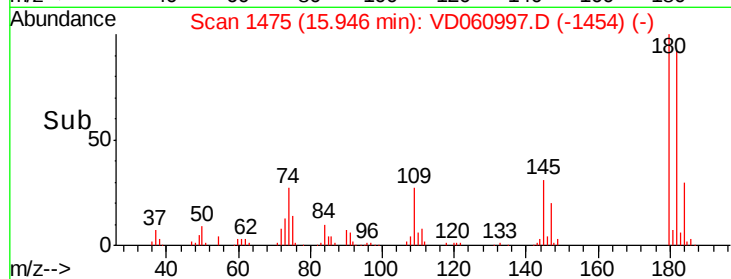
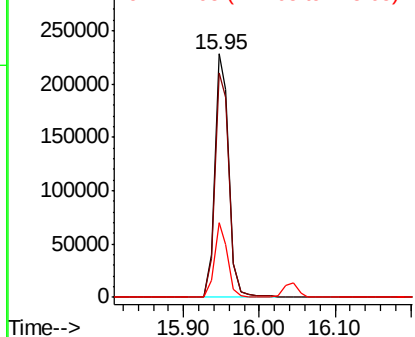


Abundance

Ion 179.85 (179.55 to 180.55): V

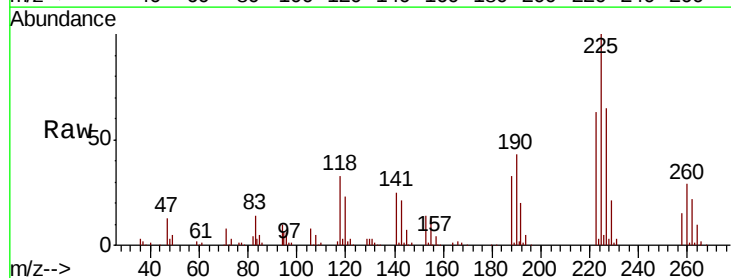
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 51.178 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060997.D
 Acq: 11 Mar 2019 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.3
227	64.6	31.4	94.0

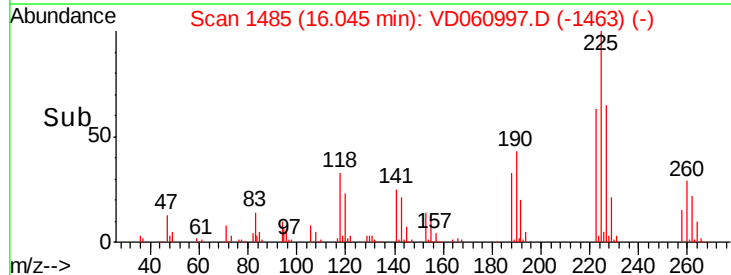
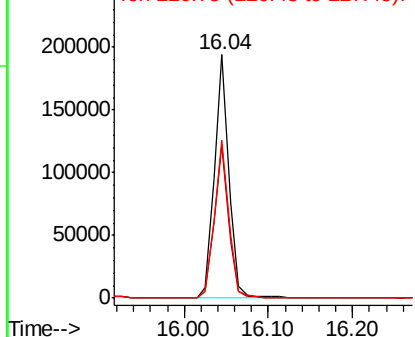


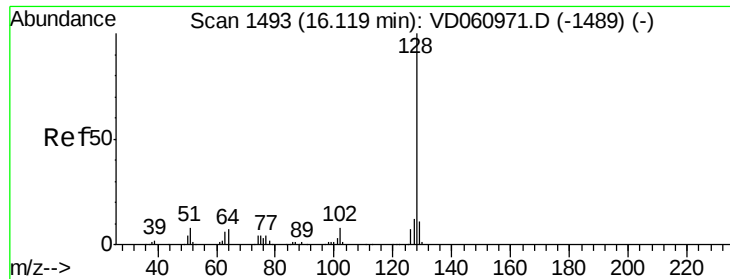
Abundance

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

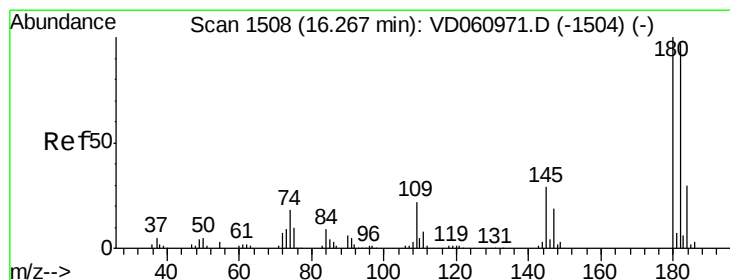
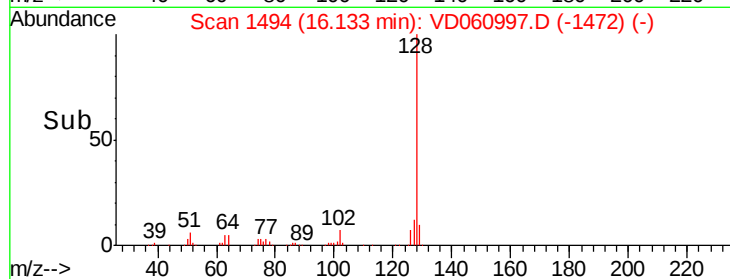
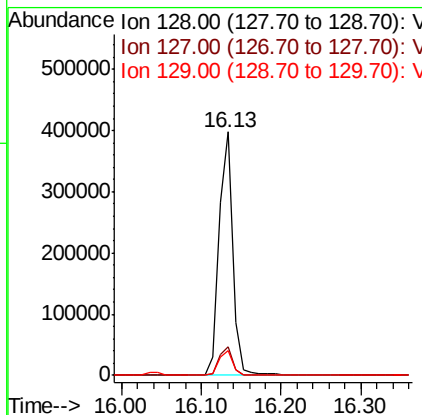
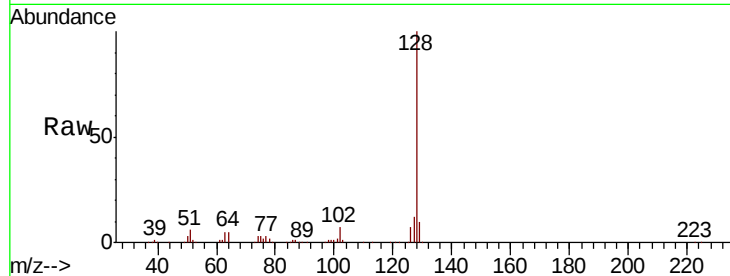




#95
Naphthalene
Concen: 53.635 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion:128 Resp: 487397
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.843 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060997.D
Acq: 11 Mar 2019 11:20

Tgt Ion:180 Resp: 150168
Ion Ratio Lower Upper
180 100
182 94.0 48.6 145.8
145 27.4 14.3 42.9

