

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062013.D
 Acq On : 25 Apr 2019 00:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 02:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	564163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	925348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	724395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	343670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	253758	57.47	ug/l	0.00
Spiked Amount						
			Recovery	=	114.94%	
35) Dibromofluoromethane	6.92	113	350437	54.76	ug/l	-0.01
Spiked Amount						
			Recovery	=	109.52%	
50) Toluene-d8	10.41	98	715862	47.01	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	13.56	95	292680	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	228327	45.325	ug/l	100
3) Chloromethane	1.76	50	170277	39.770	ug/l	96
4) Vinyl Chloride	1.85	62	173675	44.754	ug/l	97
5) Bromomethane	2.15	94	52628	51.990	ug/l	98
6) Chloroethane	2.27	64	66195	47.189	ug/l	98
7) Trichlorofluoromethane	2.53	101	306570	52.249	ug/l	99
8) Diethyl Ether	2.88	74	71189	45.269	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	243863	45.117	ug/l	98
10) Methyl Iodide	3.31	142	369476	45.425	ug/l	96
11) Tert butyl alcohol	4.06	59	69247	277.570	ug/l	99
12) 1,1-Dichloroethene	3.13	96	191904	41.731	ug/l	96
13) Acrolein	3.03	56	65385	252.601	ug/l	91
14) Allyl chloride	3.63	41	275862	43.932	ug/l	94
15) Acrylonitrile	4.20	53	192704	249.451	ug/l	94
16) Acetone	3.22	43	214448	203.407	ug/l	93
17) Carbon Disulfide	3.38	76	584298	43.970	ug/l	99
18) Methyl Acetate	3.65	43	97496	51.036	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	449129	49.225	ug/l	93
20) Methylene Chloride	3.82	84	249675	48.553	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	221851	42.054	ug/l	97
22) Diisopropyl ether	5.12	45	692974	47.268	ug/l	97
23) Vinyl Acetate	5.06	43	1942311	254.407	ug/l	100
24) 1,1-Dichloroethane	4.99	63	392444	44.289	ug/l	98
25) 2-Butanone	6.07	43	332078	259.794	ug/l	99
26) 2,2-Dichloropropane	6.03	77	343508	44.437	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	289700	48.273	ug/l	94
28) Bromochloromethane	6.44	49	179632	52.982	ug/l	96
29) Tetrahydrofuran	6.46	42	169216	268.674	ug/l	100
30) Chloroform	6.67	83	532888	52.948	ug/l	100
31) Cyclohexane	6.96	56	322959	49.104	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	429567	49.055	ug/l	98
36) 1,1-Dichloropropene	7.15	75	343585	47.657	ug/l	99
37) Ethyl Acetate	6.19	43	157696	51.330	ug/l	95
38) Carbon Tetrachloride	7.12	117	501076	54.849	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	313748	44.109	ug/l	99
40) Benzene	7.45	78	870117	48.751	ug/l	98
41) Methacrylonitrile	6.44	41	195425	54.518	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	319177	52.669	ug/l	97
43) Isopropyl Acetate	9.24	43	231596	51.593	ug/l #	97
44) Trichloroethene	8.54	130	301841	43.622	ug/l	97
45) 1,2-Dichloropropane	8.94	63	207406	45.806	ug/l	100
46) Dibromomethane	9.07	93	162184	49.779	ug/l	93
47) Bromodichloromethane	9.37	83	369705	48.024	ug/l	99
48) Methyl methacrylate	9.12	41	137766	53.790	ug/l	96
49) 1,4-Dioxane	9.08	88	29467	1067.158	ug/l #	93
51) 4-Methyl-2-Pentanone	10.30	43	700041	255.002	ug/l	99
52) Toluene	10.52	92	477244	41.936	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	302502	46.814	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	385455	49.045	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	199644	52.255	ug/l	97
56) Ethyl methacrylate	11.05	69	205357	48.531	ug/l	97
57) 1,3-Dichloropropane	11.41	76	295906	50.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	488444	248.278	ug/l	98
59) 2-Hexanone	11.53	43	531989	258.332	ug/l	99
60) Dibromochloromethane	11.69	129	307208	48.596	ug/l	96
61) 1,2-Dibromoethane	11.81	107	232702	51.344	ug/l	100
64) Tetrachloroethene	11.26	164	259431	50.204	ug/l	98
65) Chlorobenzene	12.41	112	620481	45.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	280233	48.263	ug/l	96
67) Ethyl Benzene	12.52	91	1033859	46.274	ug/l	99
68) m/p-Xylenes	12.67	106	705640	87.385	ug/l	99
69) o-Xylene	13.05	106	362062	49.004	ug/l	95
70) Styrene	13.08	104	596451	46.753	ug/l	99
71) Bromoform	13.23	173	187512	56.645	ug/l	97
73) Isopropylbenzene	13.40	105	1061422	46.299	ug/l	98
74) N-amyl acetate	13.26	43	313234	53.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	235396	52.398	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	227836	52.207	ug/l	100
77) Bromobenzene	13.67	156	302271	45.962	ug/l	82
78) n-propylbenzene	13.78	91	1216372	46.349	ug/l	99
79) 2-Chlorotoluene	13.84	91	715111	44.986	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	730217	39.947	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	66931	50.610	ug/l	91
82) 4-Chlorotoluene	13.95	91	704854	40.263	ug/l	99
83) tert-Butylbenzene	14.19	119	895545	42.291	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	799878	45.827	ug/l	99
85) sec-Butylbenzene	14.37	105	1104247	48.261	ug/l	98
86) p-Isopropyltoluene	14.49	119	826238	40.348	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	492676	42.779	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	462031	42.899	ug/l	95
89) n-Butylbenzene	14.80	91	793020	43.135	ug/l	94
90) Hexachloroethane	15.01	117	246864	44.582	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	426977	44.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34444	51.794	ug/l	79

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QLast Update : Tue Apr 23 14:52:55 2019
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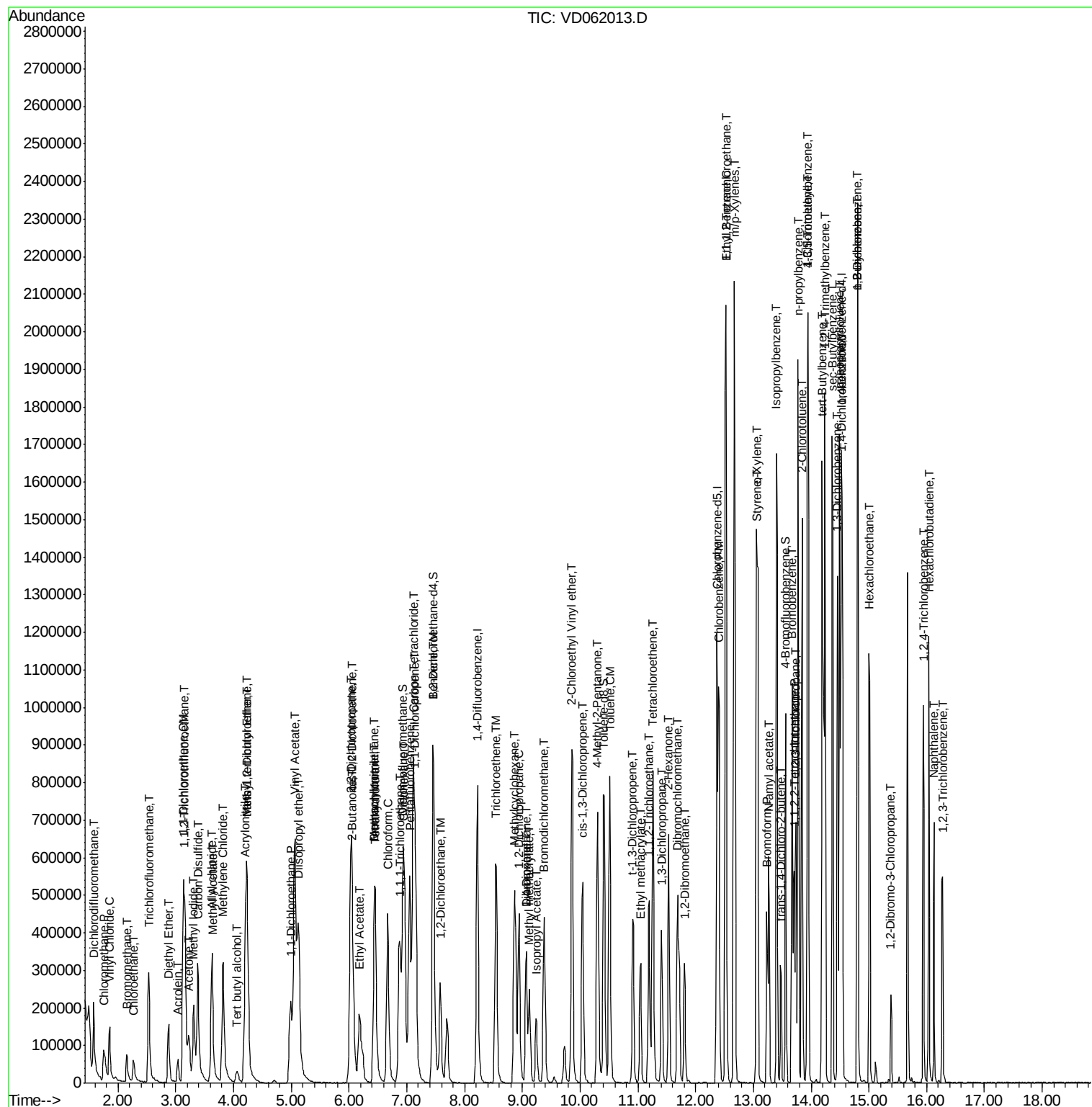
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	260211	50.765	ug/l	95
94) Hexachlorobutadiene	16.04	225	188270	49.633	ug/l	98
95) Naphthalene	16.13	128	442353	53.449	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	161403	55.498	ug/l	95

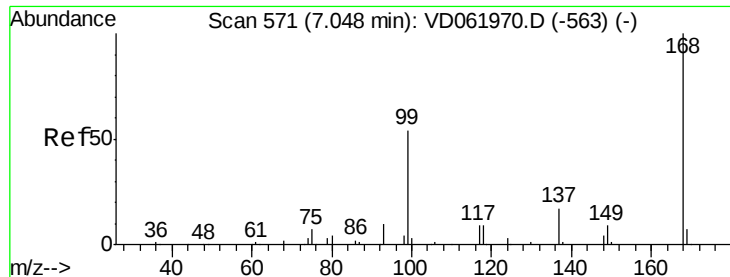
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

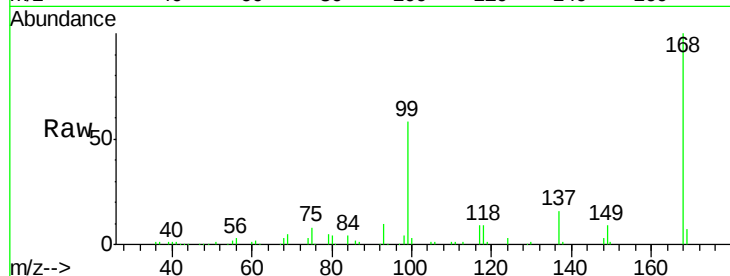
ClientSampled :

Tot Ion:168 Resp: 564163

Ion Ratio Lower Upper

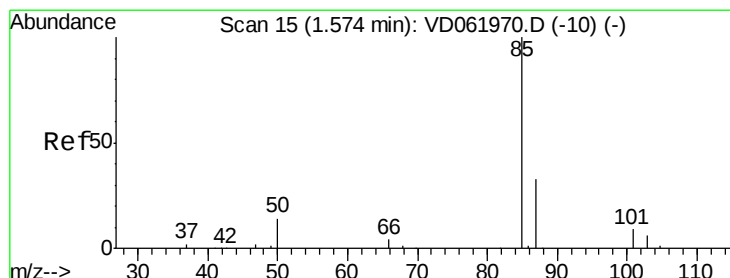
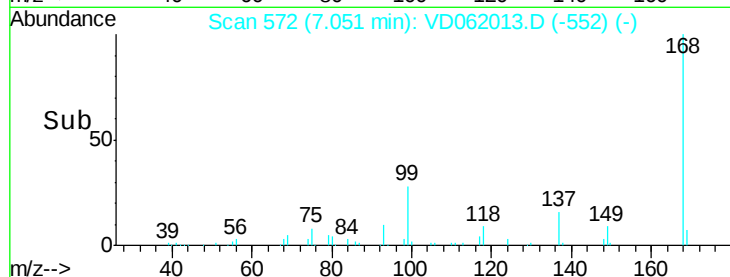
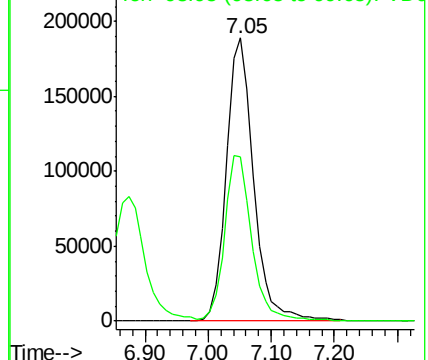
168 100

99 58.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.325 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062013.D

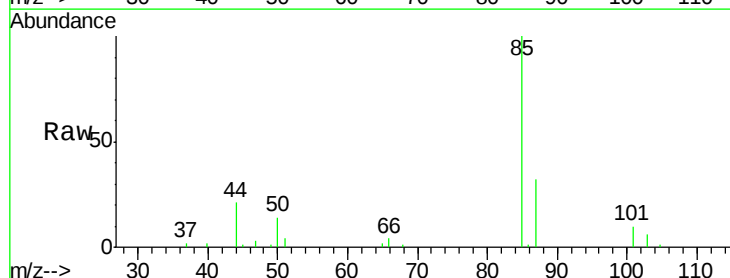
Acq: 25 Apr 2019 00:13

Tgt Ion: 85 Resp: 228327

Ion Ratio Lower Upper

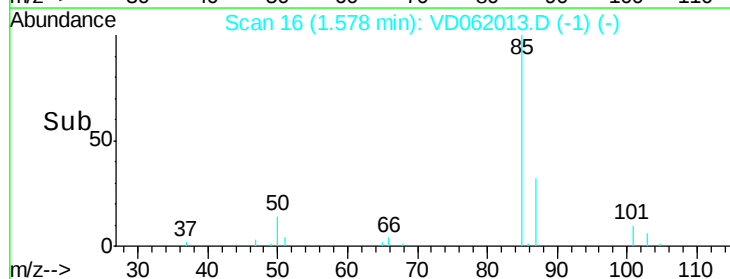
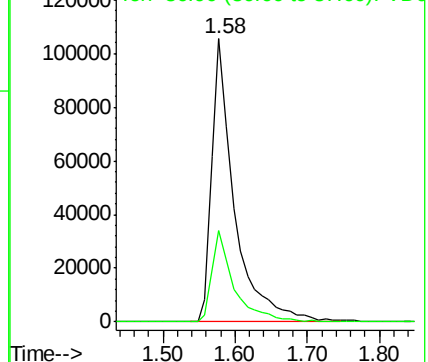
85 100

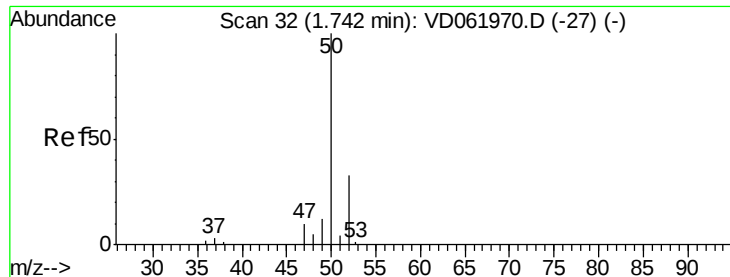
87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.770 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

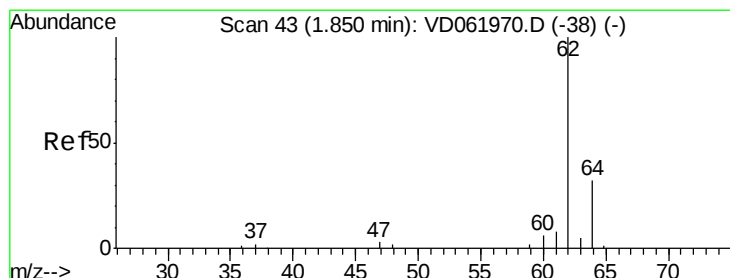
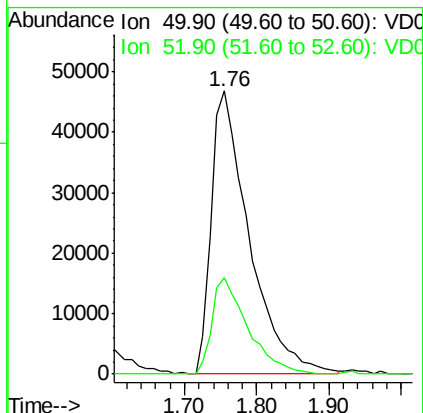
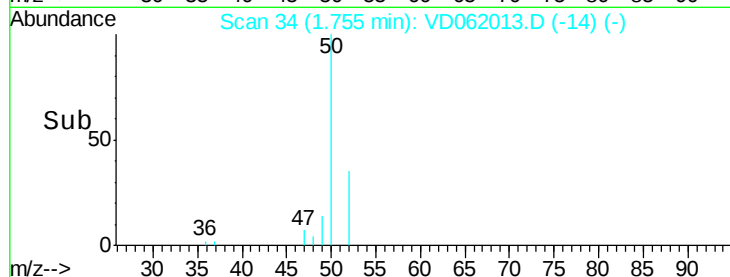
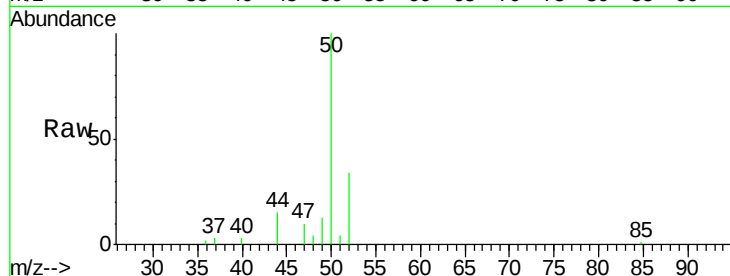
ClientSampleId :

Tot Ion: 50 Resp: 170277

Ion Ratio Lower Upper

50 100

52 33.9 25.2 37.8



#4

Vinyl Chloride

Concen: 44.754 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062013.D

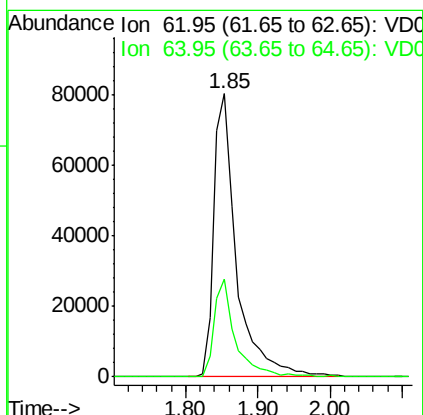
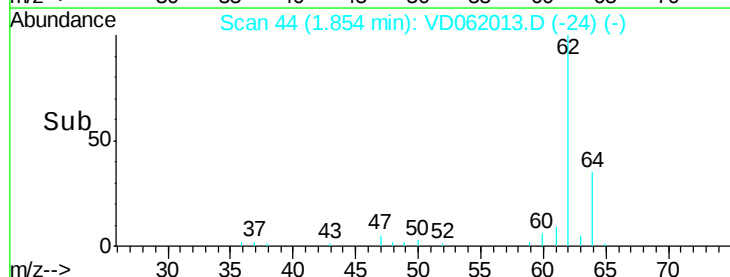
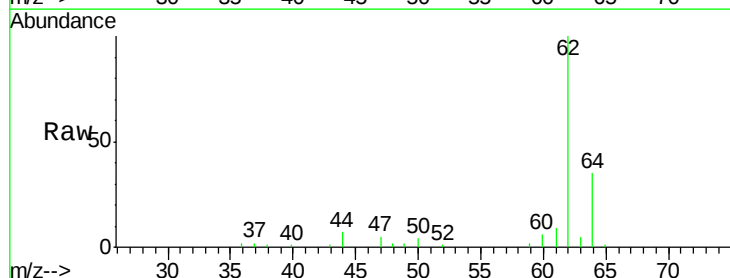
Acq: 25 Apr 2019 00:13

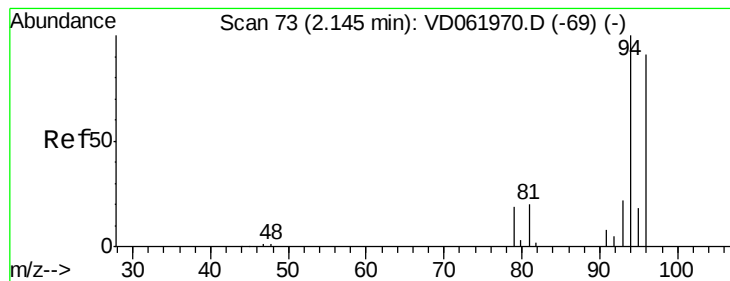
Tgt Ion: 62 Resp: 173675

Ion Ratio Lower Upper

62 100

64 34.7 26.5 39.7





#5

Bromomethane

Concen: 51.990 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

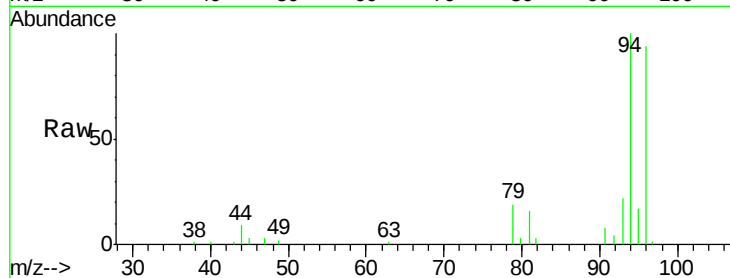
Tot Ion: 94 Resp: 52628

Ion Ratio Lower Upper

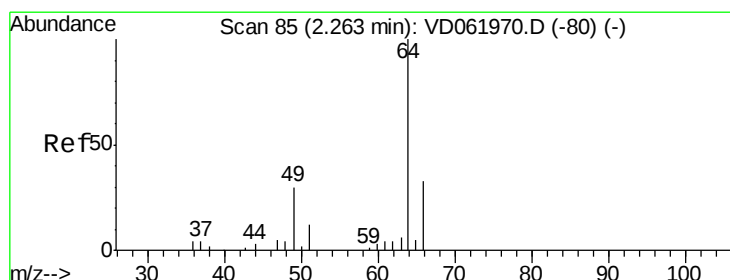
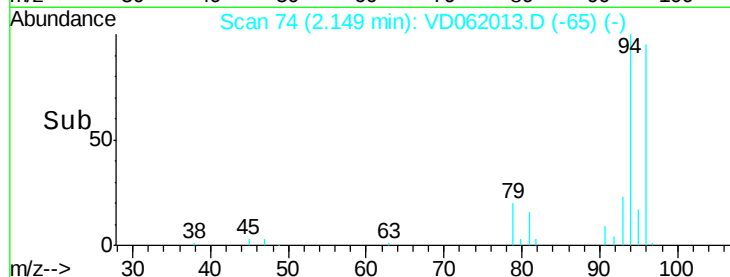
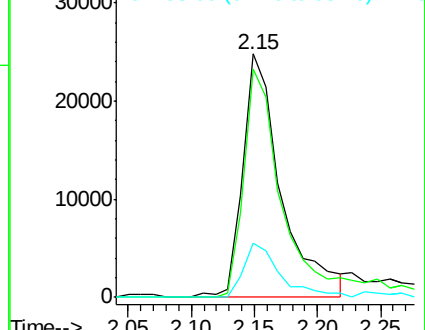
94 100

96 93.6 76.6 115.0

93 22.3 18.5 27.7



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: 47.189 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD062013.D

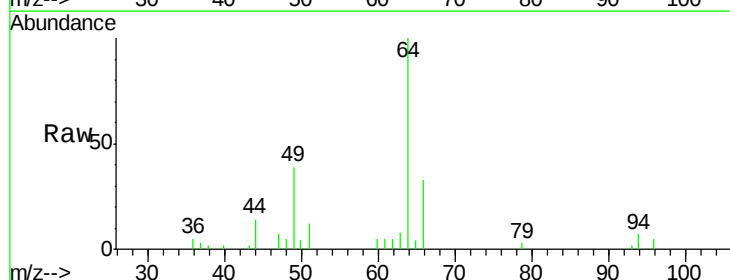
Acq: 25 Apr 2019 00:13

Tgt Ion: 64 Resp: 66195

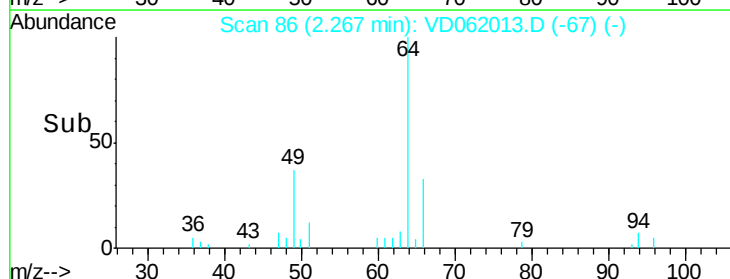
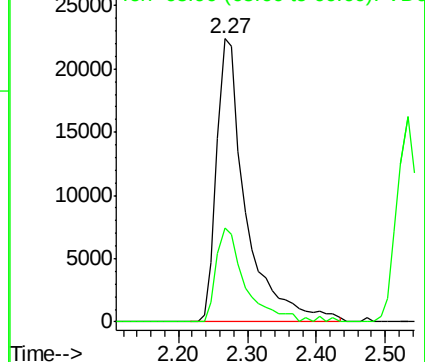
Ion Ratio Lower Upper

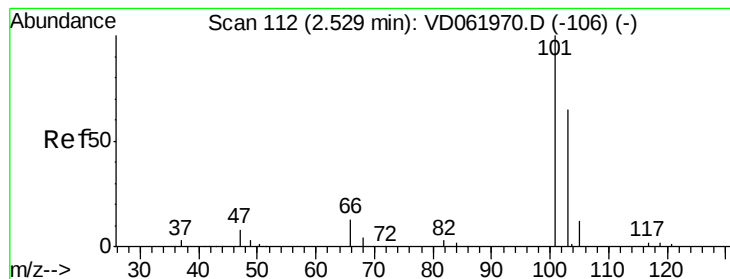
64 100

66 33.0 25.6 38.4



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



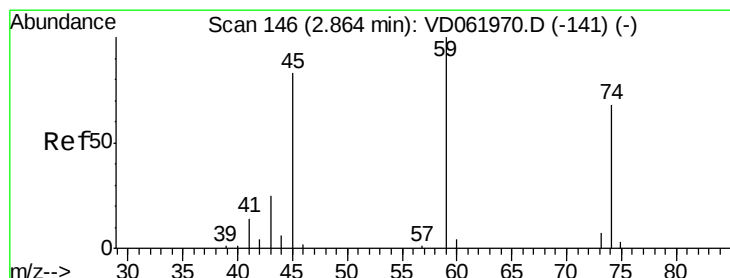
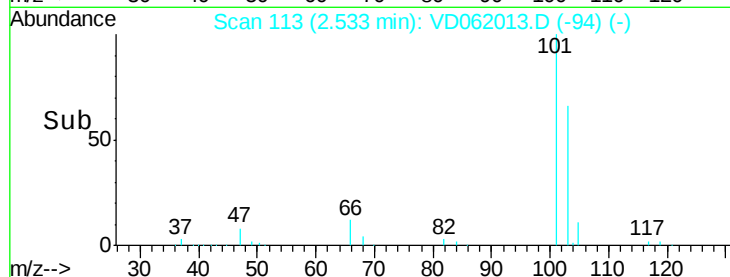
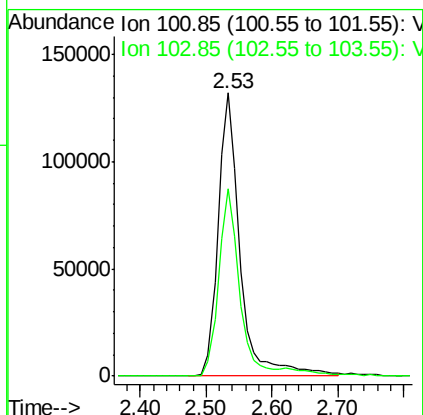
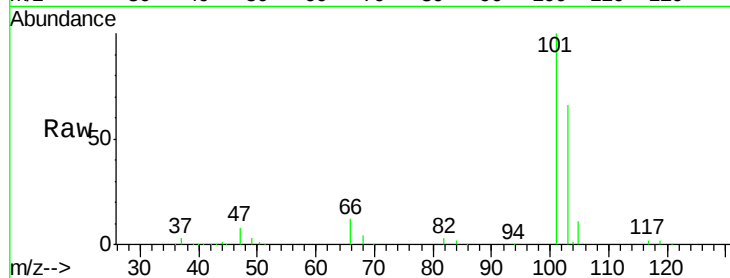


#7

Trichlorofluoromethane
Concen: 52.249 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062013.D
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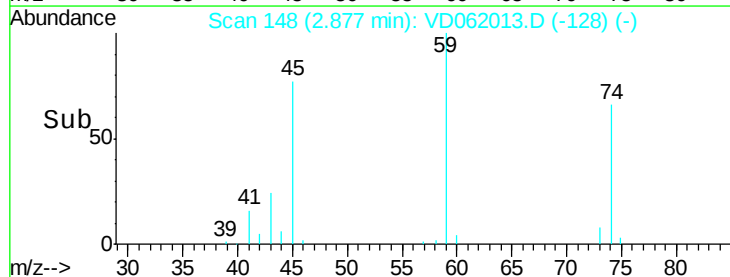
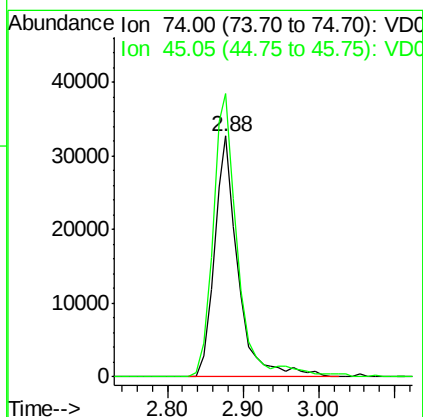
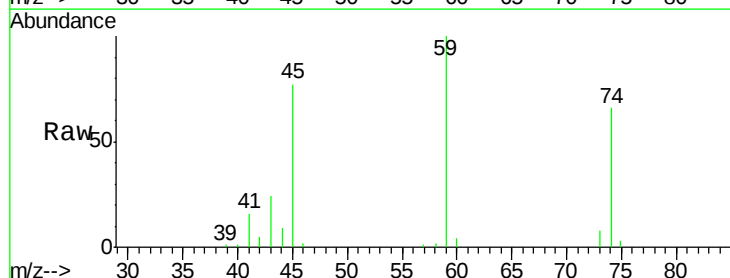
Tot Ion:101 Resp: 306570
Ion Ratio Lower Upper
101 100
103 66.3 53.6 80.4



#8

Diethyl Ether
Concen: 45.269 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 74 Resp: 71189
Ion Ratio Lower Upper
74 100
45 117.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.117 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

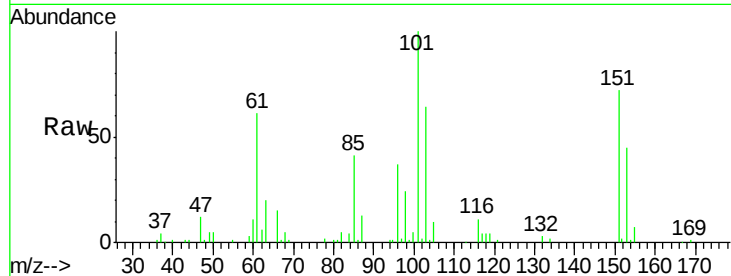
Tot Ion:101 Resp: 243863

Ion Ratio Lower Upper

101 100

85 41.0 32.4 48.6

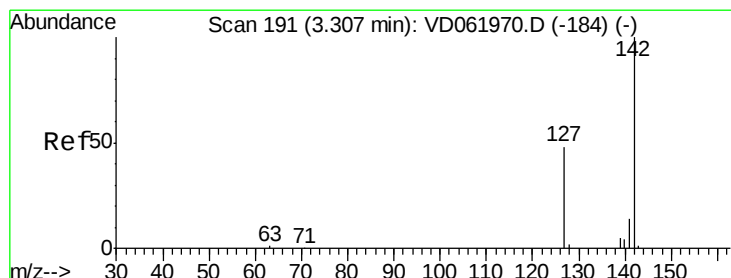
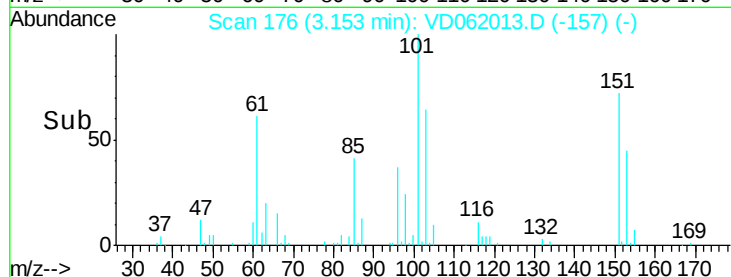
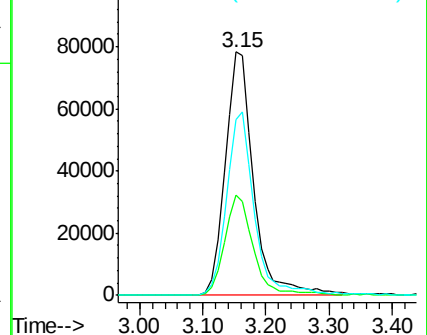
151 72.3 59.4 89.0



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: 45.425 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

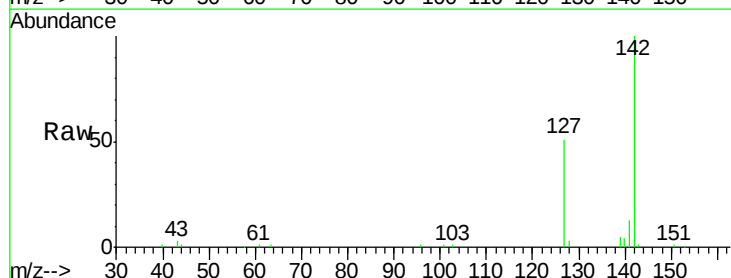
Tgt Ion:142 Resp: 369476

Ion Ratio Lower Upper

142 100

127 51.2 38.8 58.2

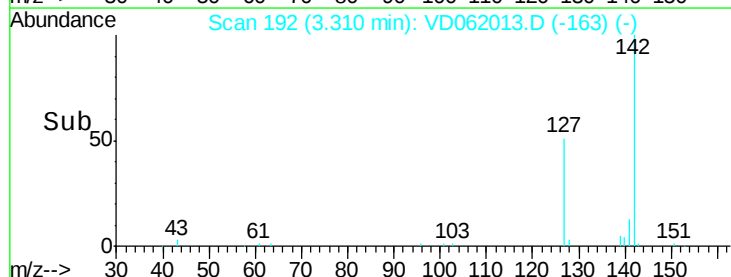
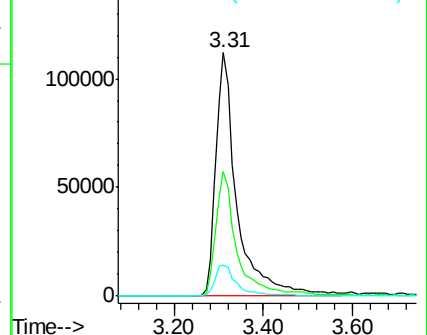
141 12.9 11.4 17.0

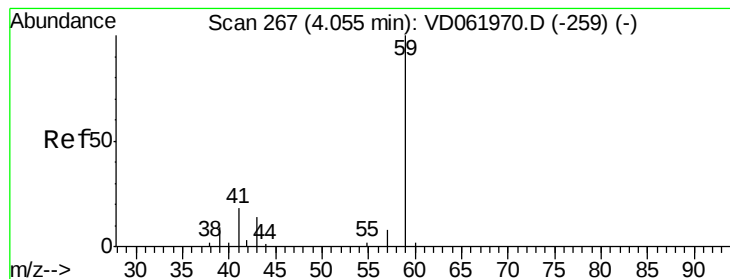


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



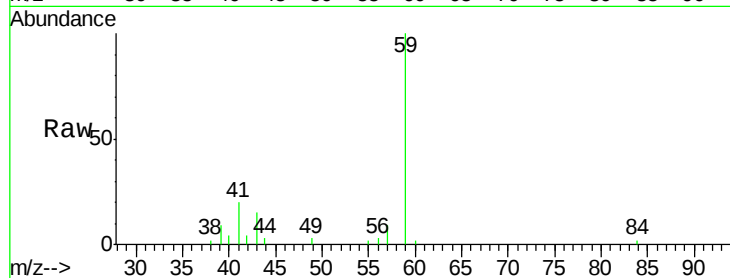


#11

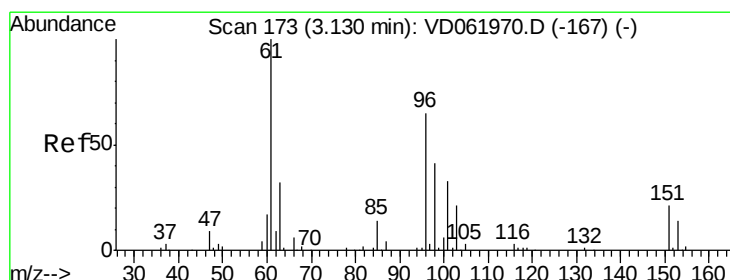
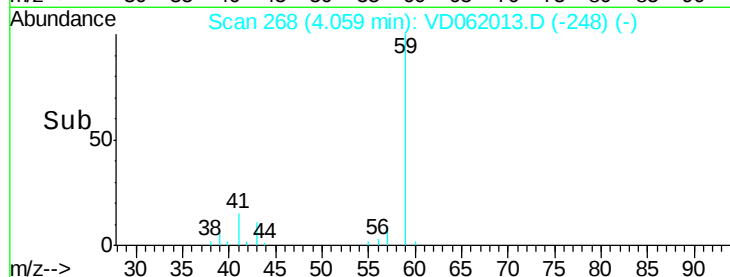
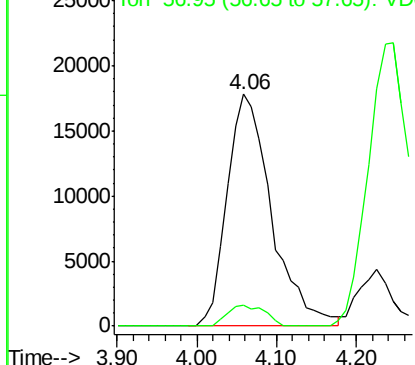
Tert butyl alcohol
 Concen: 277.570 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 69247
 Ion Ratio Lower Upper
 59 100
 57 9.0 6.9 10.3



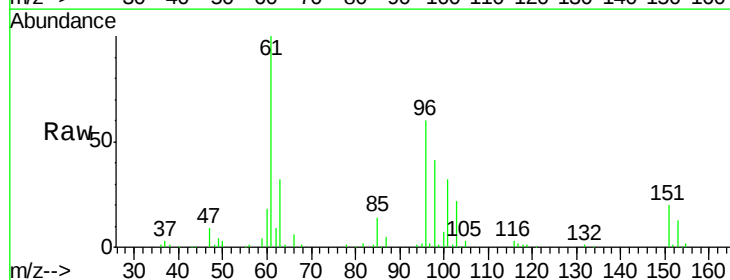
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



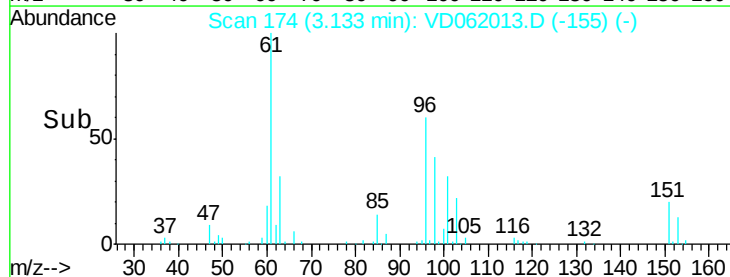
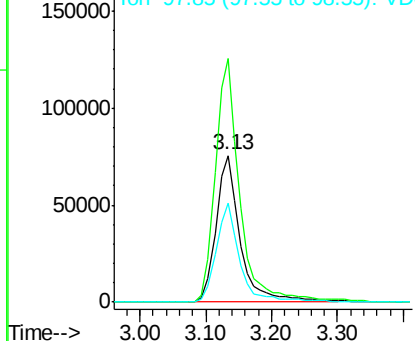
#12

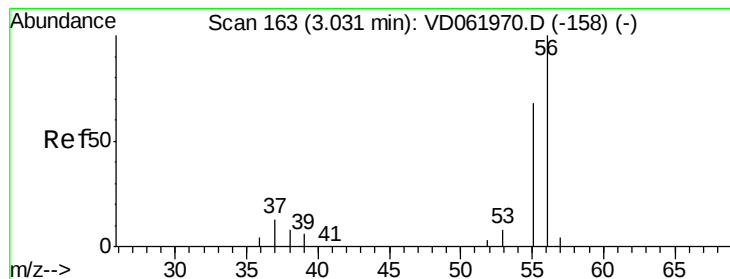
1,1-Dichloroethene
 Concen: 41.731 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 96 Resp: 191904
 Ion Ratio Lower Upper
 96 100
 61 166.2 129.8 194.8
 98 67.9 51.2 76.8



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





#13

Acrolein

Concen: 252.601 ug/l

RT: 3.03 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

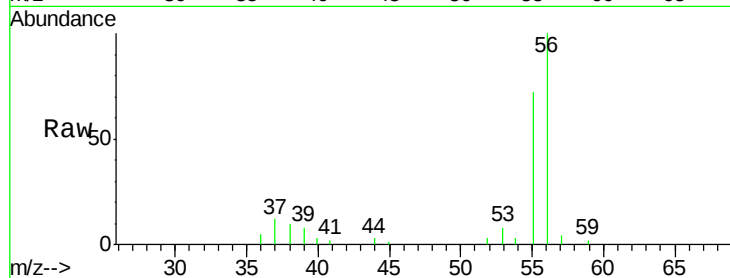
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 65385

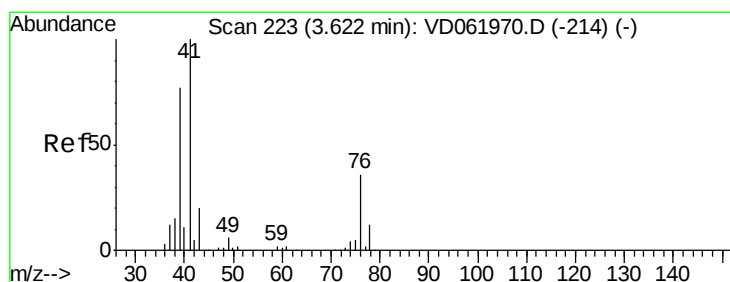
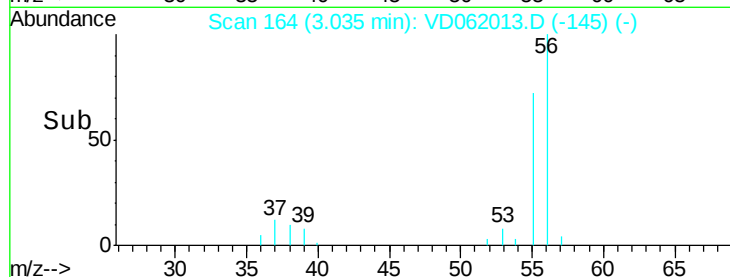
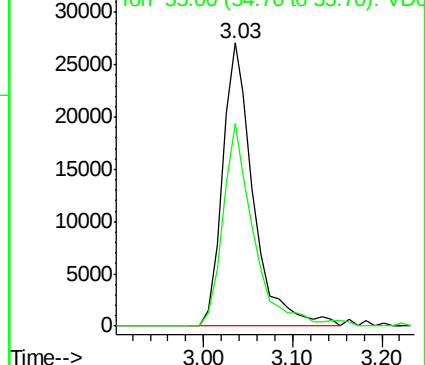
Ion Ratio Lower Upper

56 100

55 71.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.932 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

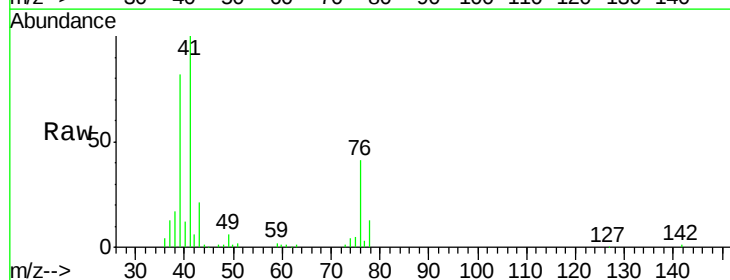
Tgt Ion: 41 Resp: 275862

Ion Ratio Lower Upper

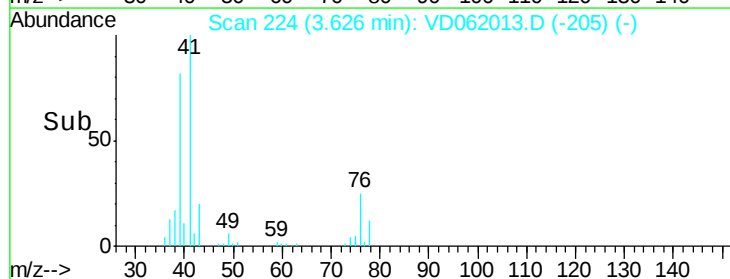
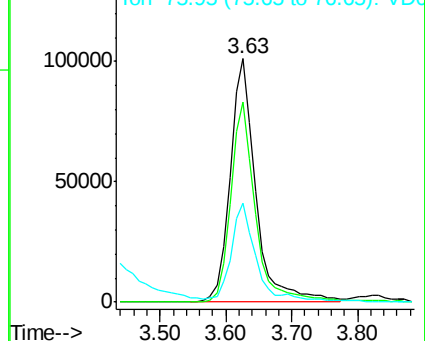
41 100

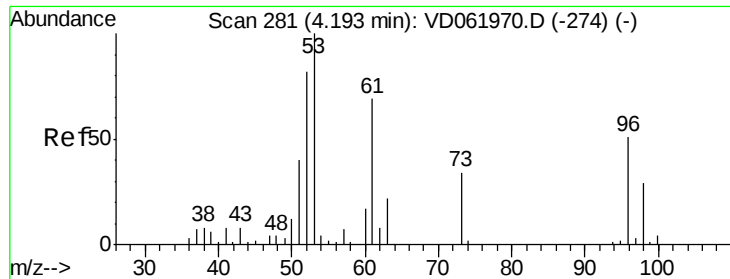
39 82.4 60.5 90.7

76 40.7 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 249.451 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampled :

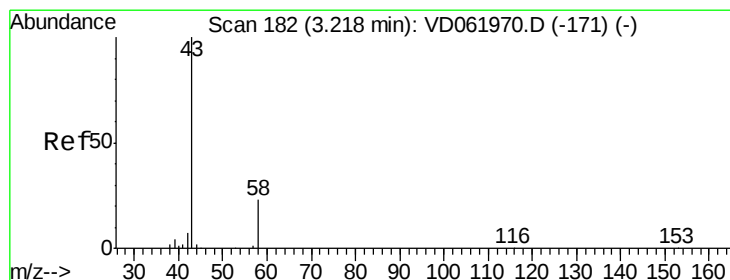
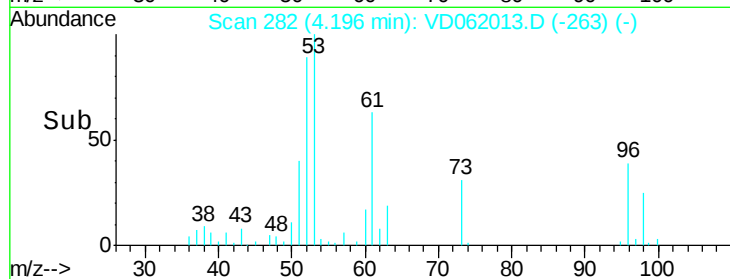
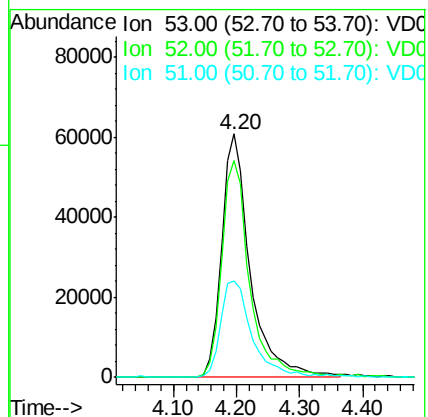
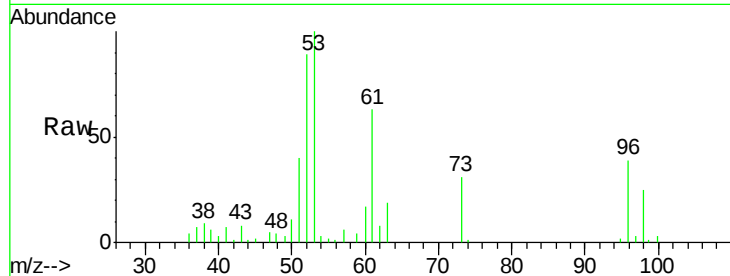
Tot Ion: 53 Resp: 192704

Ion Ratio Lower Upper

53 100

52 89.1 65.0 97.4

51 39.7 32.6 48.8



#16

Acetone

Concen: 203.407 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062013.D

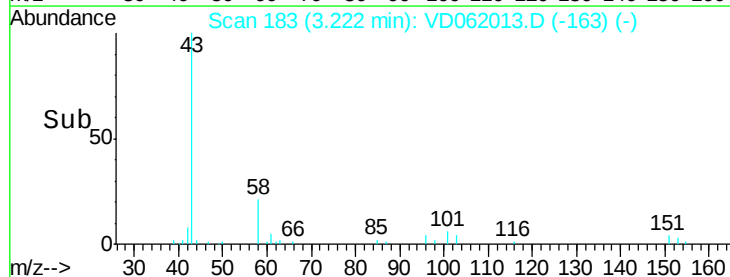
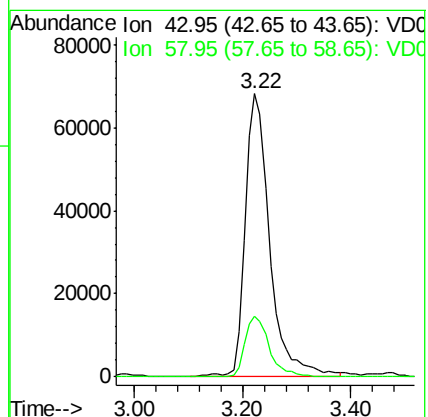
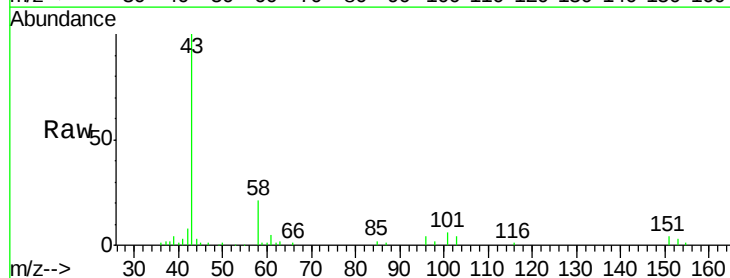
Acq: 25 Apr 2019 00:13

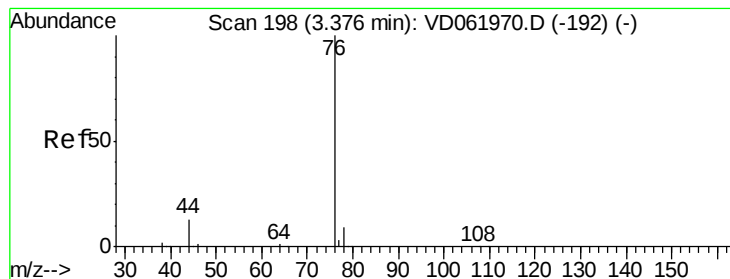
Tgt Ion: 43 Resp: 214448

Ion Ratio Lower Upper

43 100

58 21.5 19.9 29.9





#17

Carbon Disulfide

Concen: 43.970 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

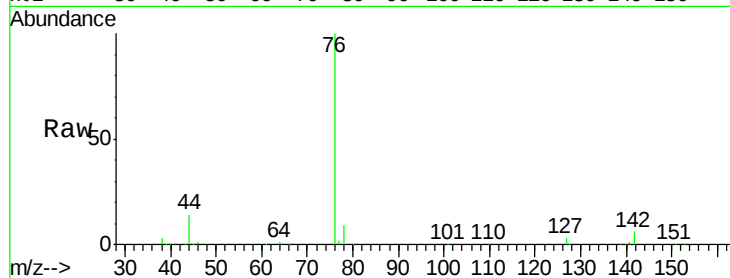
ClientSampleId :

Tot Ion: 76 Resp: 584298

Ion Ratio Lower Upper

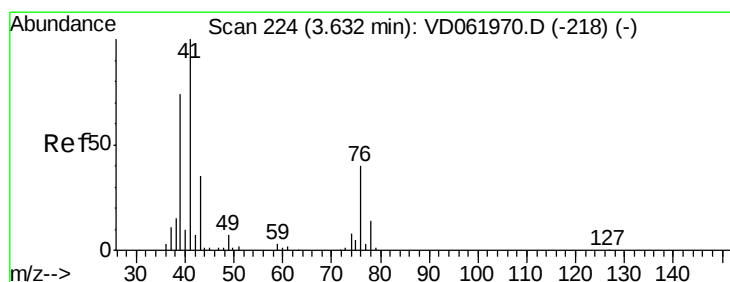
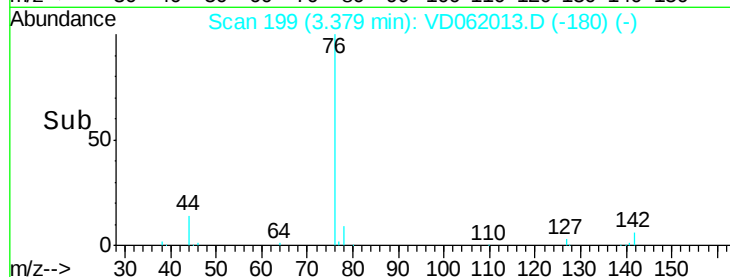
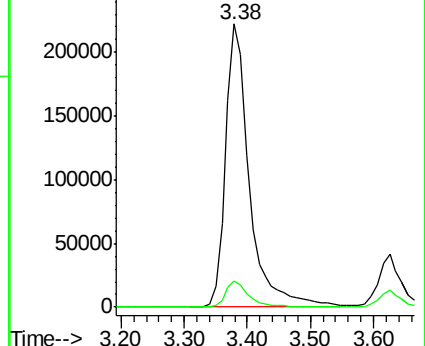
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 51.036 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062013.D

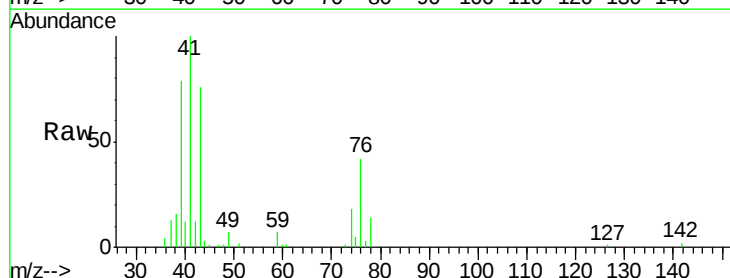
Acq: 25 Apr 2019 00:13

Tgt Ion: 43 Resp: 97496

Ion Ratio Lower Upper

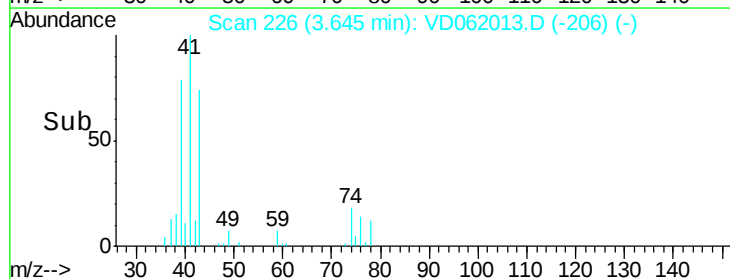
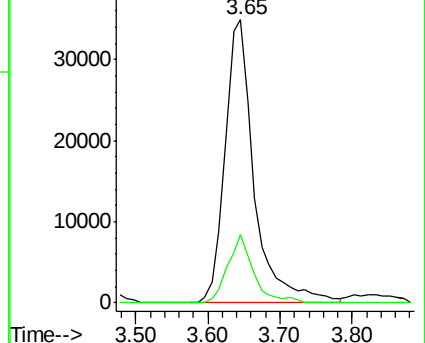
43 100

74 24.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

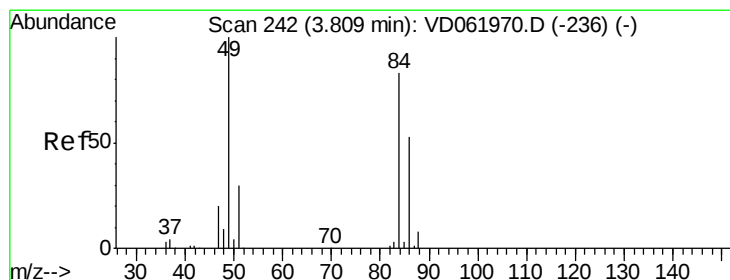
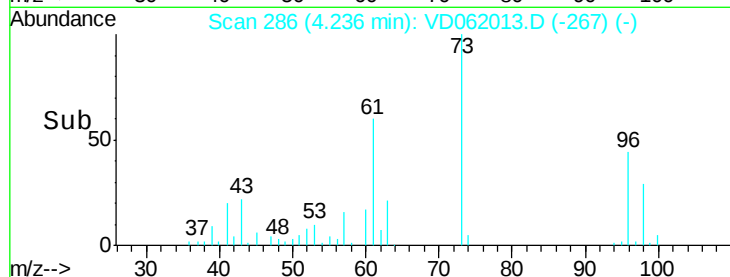
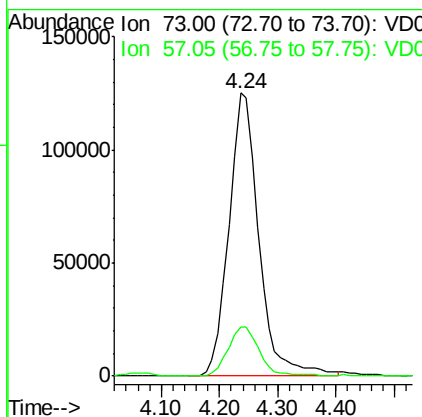
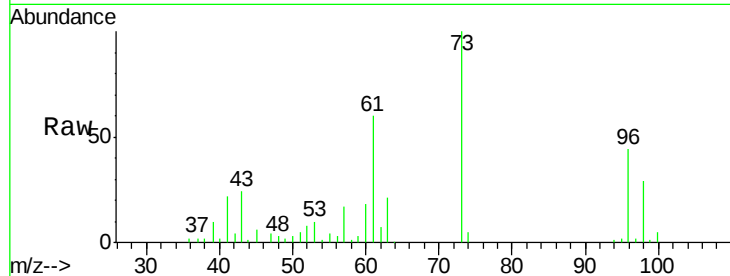




#19
Methyl tert-butyl Ether
Concen: 49.225 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

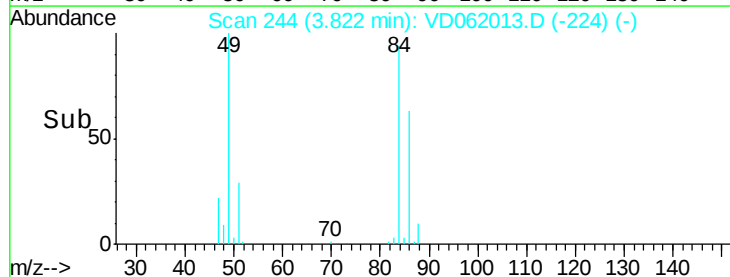
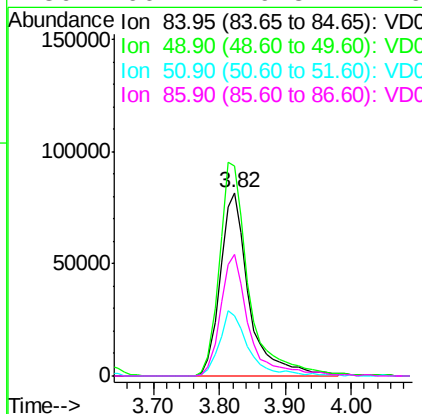
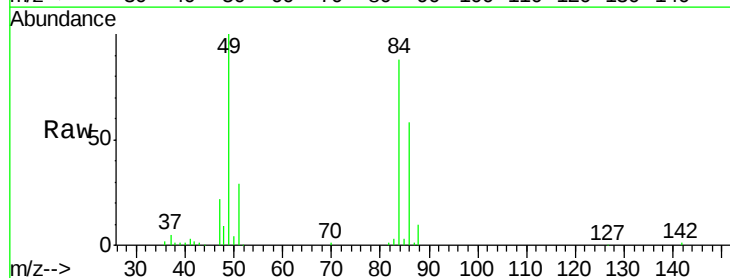
Instrument :
MSVOA_D
ClientSampleID :

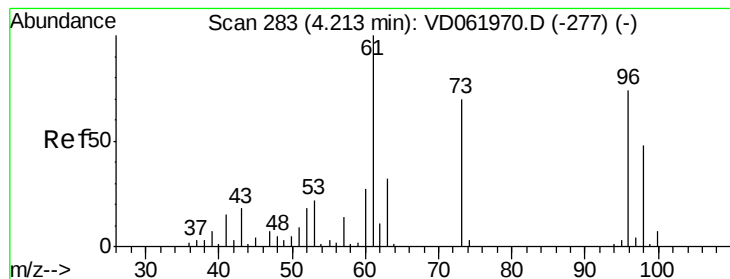
Tot Ion: 73 Resp: 449129
Ion Ratio Lower Upper
73 100
57 17.3 16.3 24.5



#20
Methylene Chloride
Concen: 48.553 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 84 Resp: 249675
Ion Ratio Lower Upper
84 100
49 114.2 94.0 141.0
51 32.6 29.0 43.4
86 66.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 42.054 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

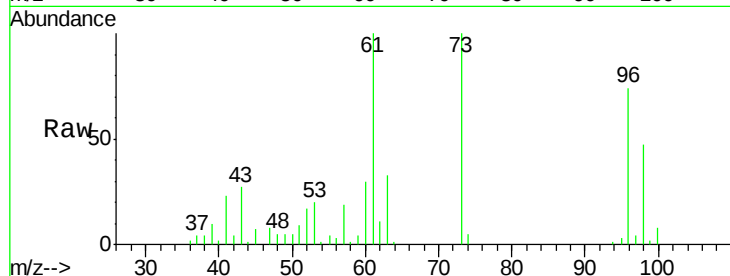
Tot Ion: 96 Resp: 221851

Ion Ratio Lower Upper

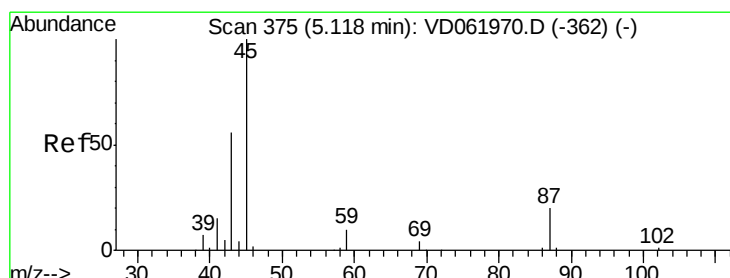
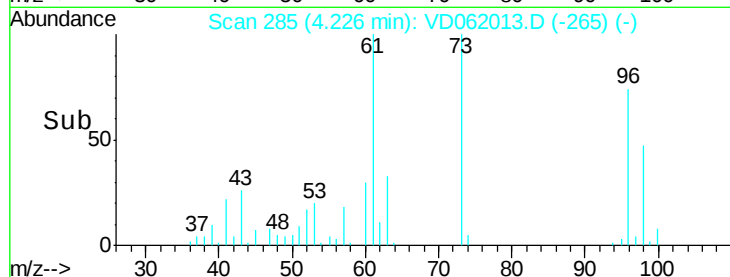
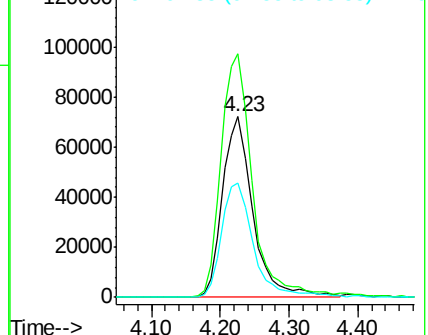
96 100

61 134.7 104.4 156.6

98 63.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 47.268 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion: 45 Resp: 692974

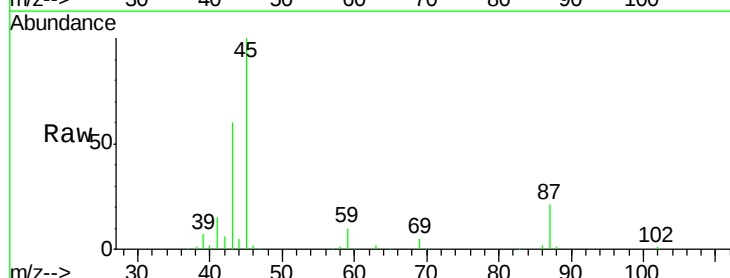
Ion Ratio Lower Upper

45 100

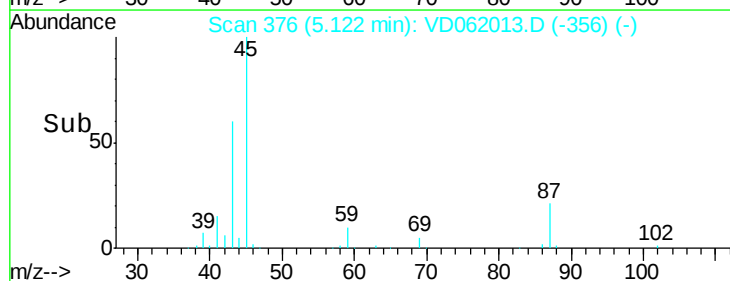
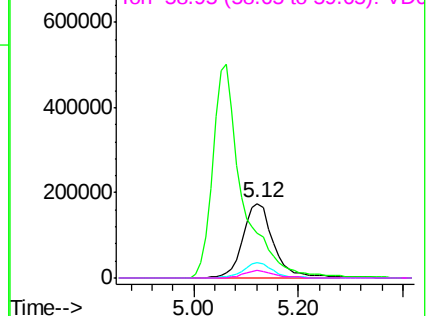
43 60.1 46.2 69.2

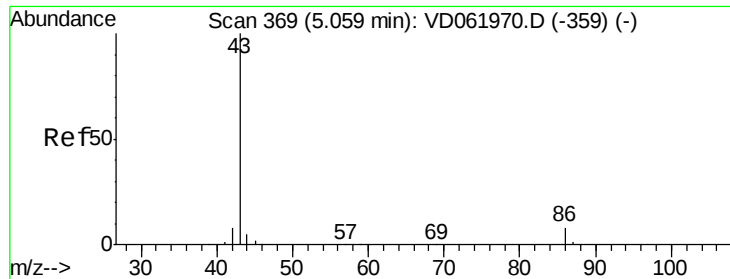
87 21.2 15.9 23.9

59 9.5 7.9 11.9



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: 254.407 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

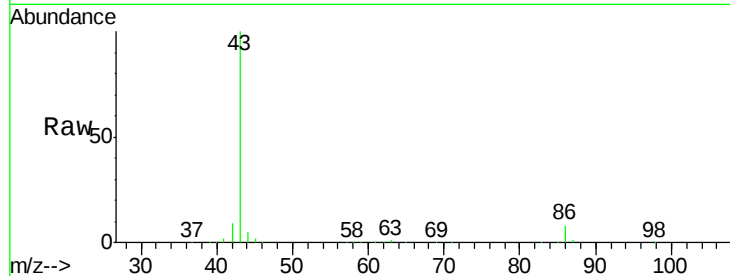
ClientSampleId :

Tot Ion: 43 Resp: 1942311

Ion Ratio Lower Upper

43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

600000

500000

400000

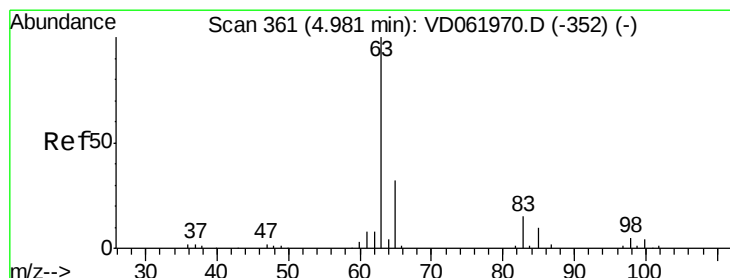
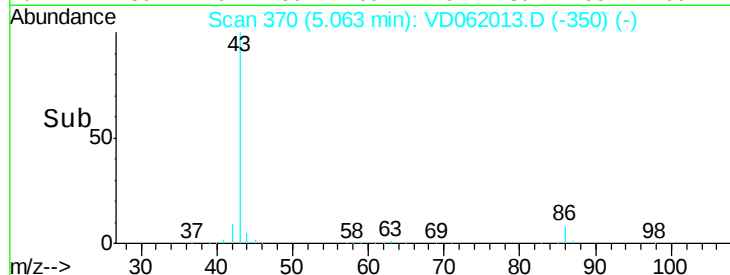
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.289 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

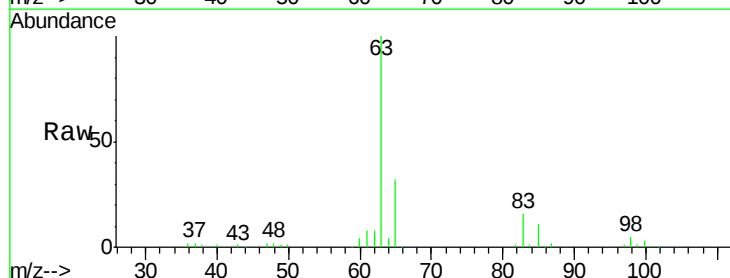
Tgt Ion: 63 Resp: 392444

Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

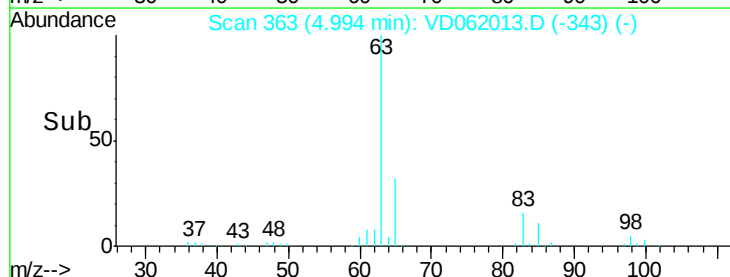
4.99

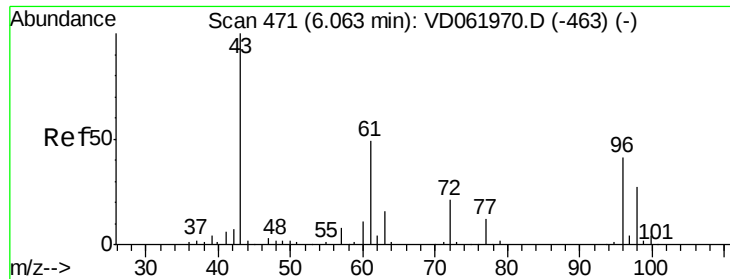
100000

50000

0

Time-->





#25

2-Butanone

Concen: 259.794 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

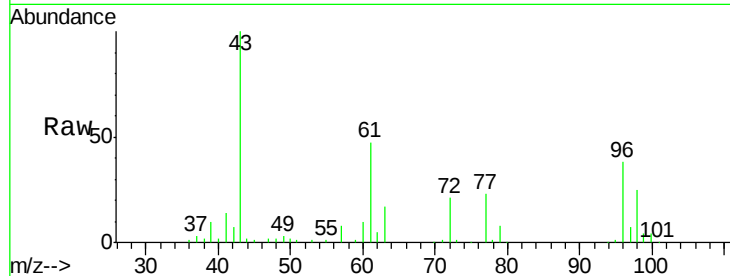
ClientSampleId :

Tot Ion: 43 Resp: 332078

Ion Ratio Lower Upper

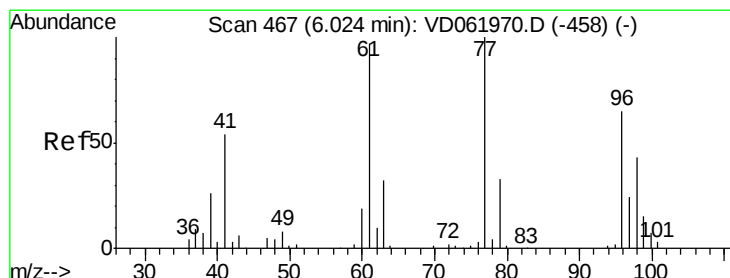
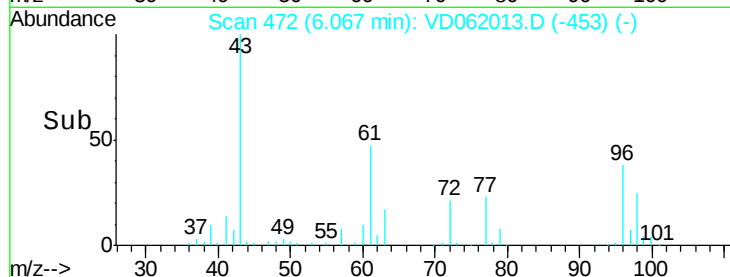
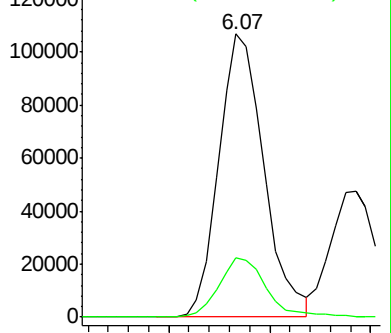
43 100

72 20.9 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.437 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062013.D

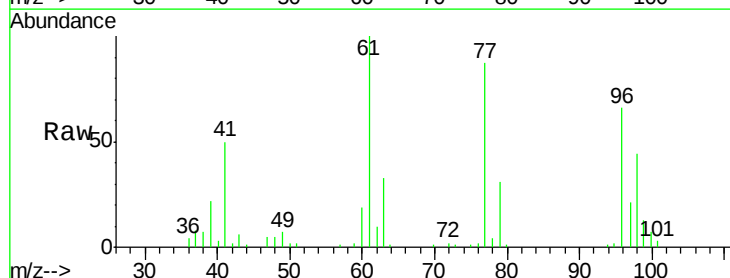
Acq: 25 Apr 2019 00:13

Tgt Ion: 77 Resp: 343508

Ion Ratio Lower Upper

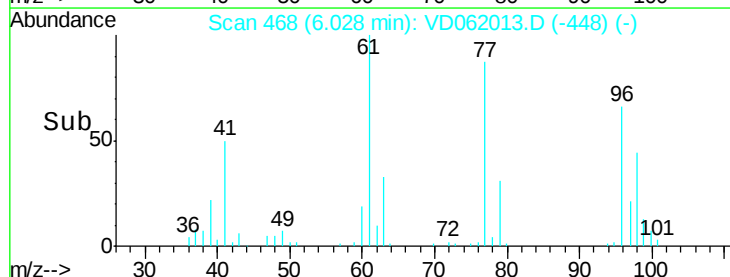
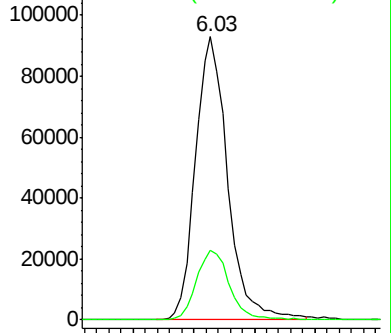
77 100

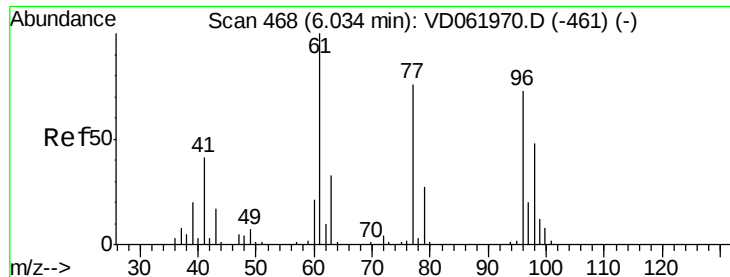
97 24.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



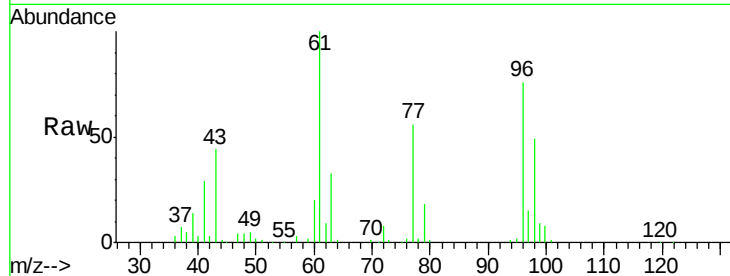


#27

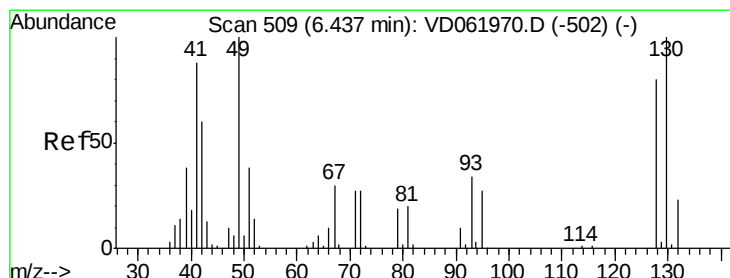
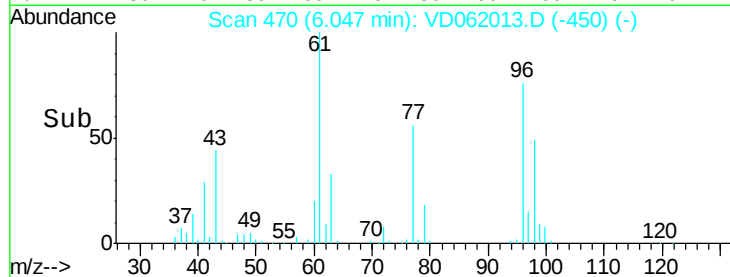
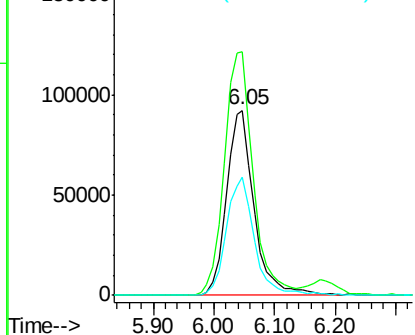
cis-1,2-Dichloroethene
Concen: 48.273 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 289700
Ion Ratio Lower Upper
96 100
61 131.6 0.0 279.8
98 64.1 0.0 136.0



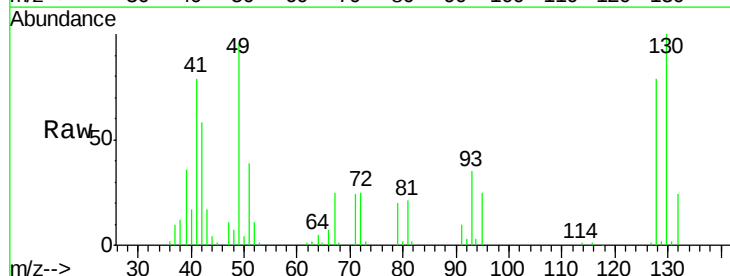
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



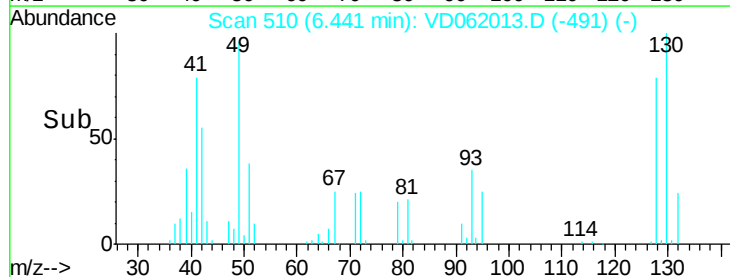
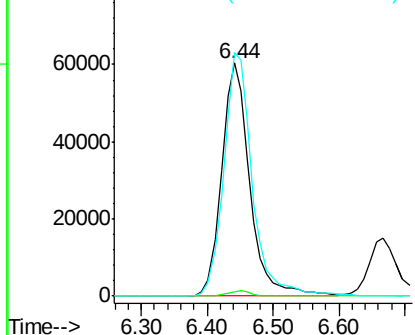
#28

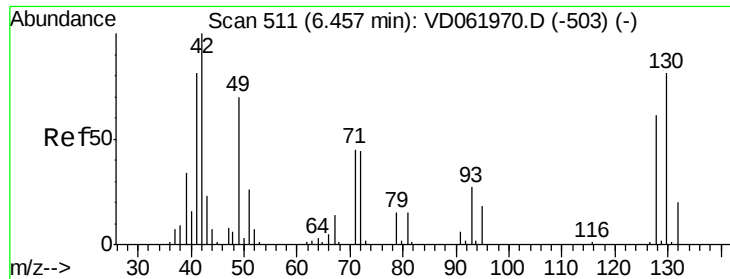
Bromochloromethane
Concen: 52.982 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 49 Resp: 179632
Ion Ratio Lower Upper
49 100
129 2.0 0.0 6.6
130 104.4 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 268.674 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampled :

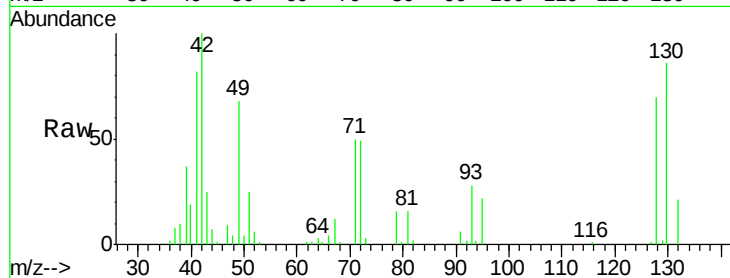
Tot Ion: 42 Resp: 169216

Ion Ratio Lower Upper

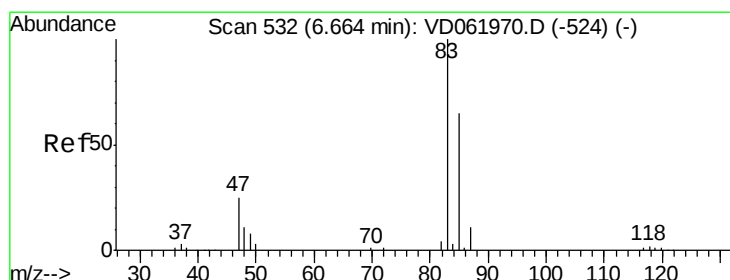
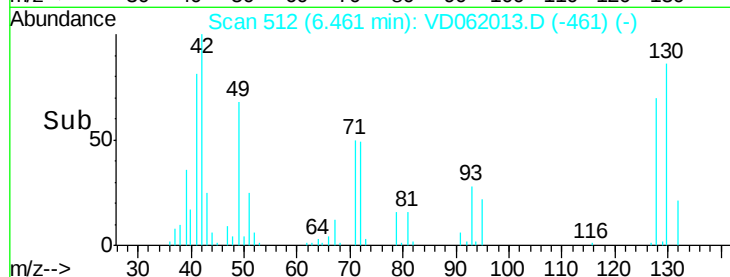
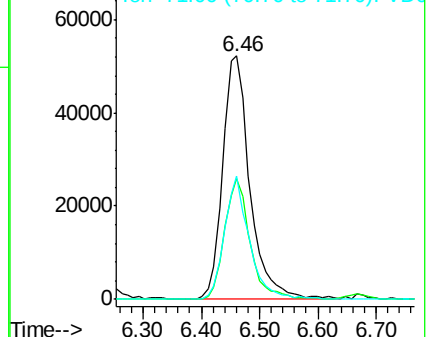
42 100

72 46.6 37.8 56.6

71 46.0 36.7 55.1



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



#30

Chloroform

Concen: 52.948 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062013.D

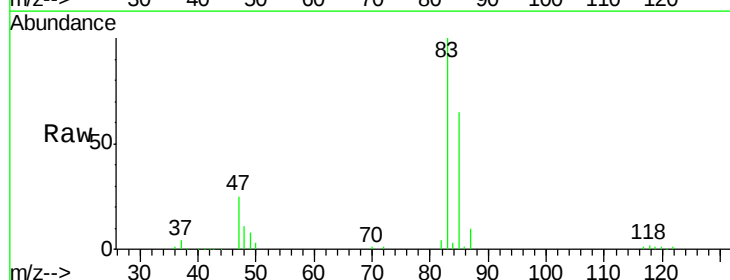
Acq: 25 Apr 2019 00:13

Tgt Ion: 83 Resp: 532888

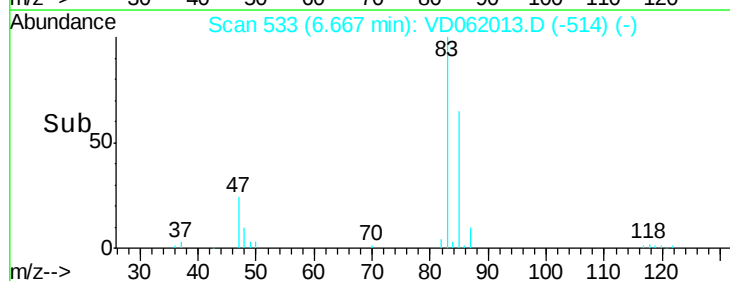
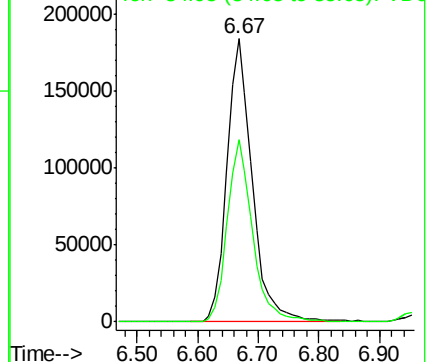
Ion Ratio Lower Upper

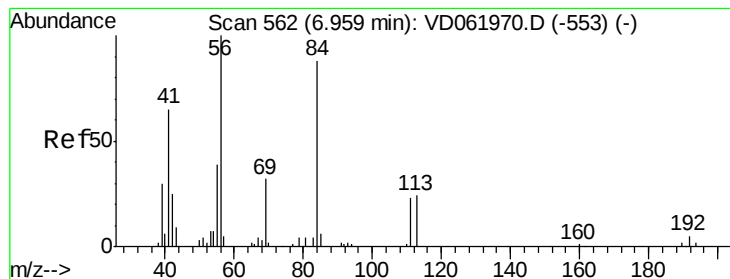
83 100

85 64.5 51.7 77.5



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





#31

Cyclohexane

Concen: 49.104 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

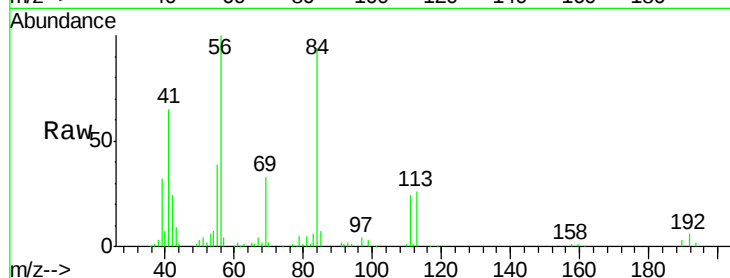
Tot Ion: 56 Resp: 322959

Ion Ratio Lower Upper

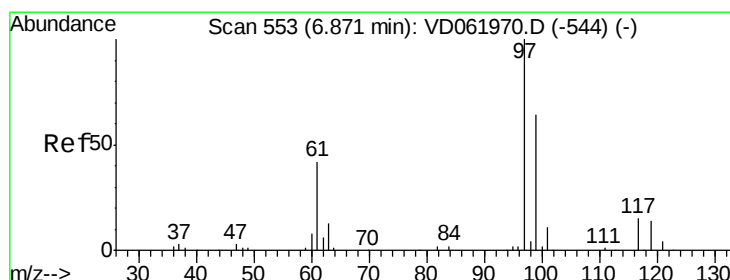
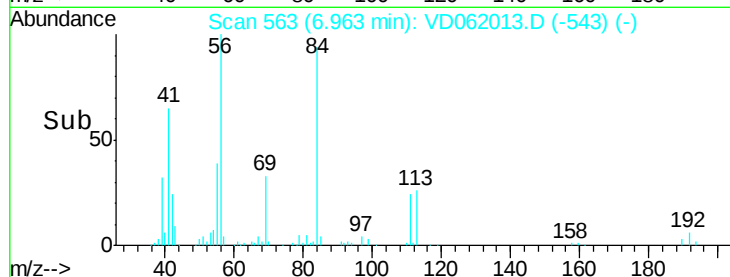
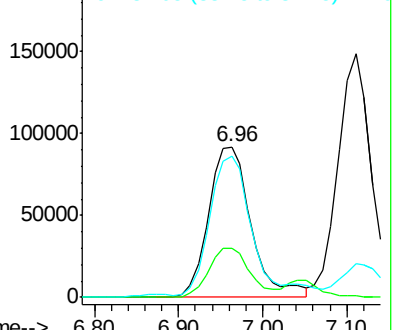
56 100

69 32.6 25.8 38.6

84 93.6 72.2 108.4



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: 49.055 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

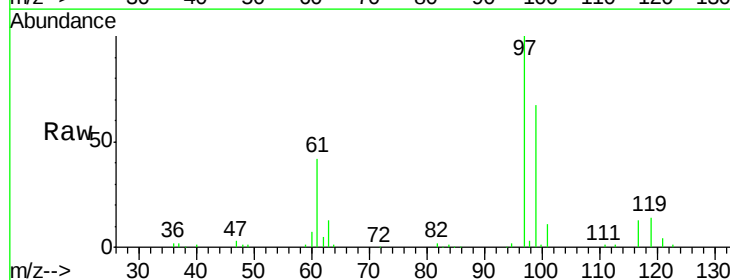
Tgt Ion: 97 Resp: 429567

Ion Ratio Lower Upper

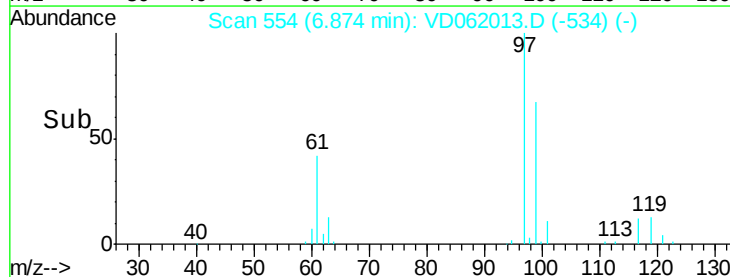
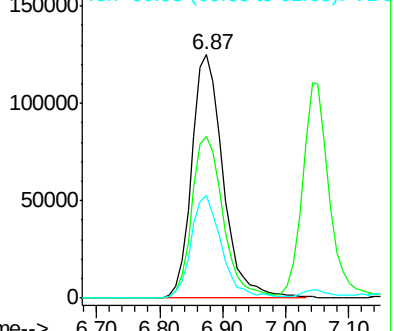
97 100

99 66.5 52.2 78.2

61 42.4 32.4 48.6



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

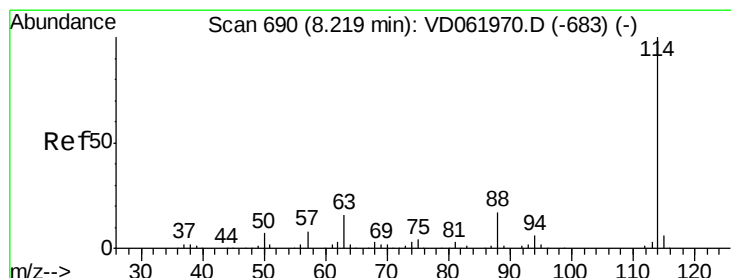
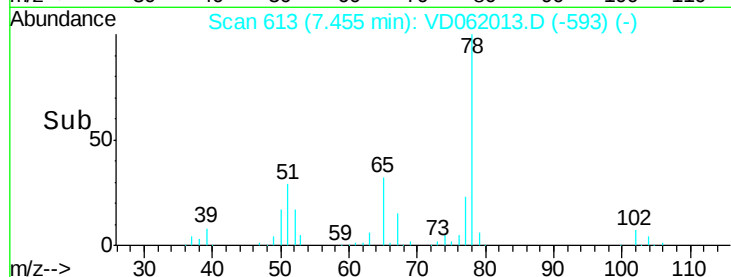
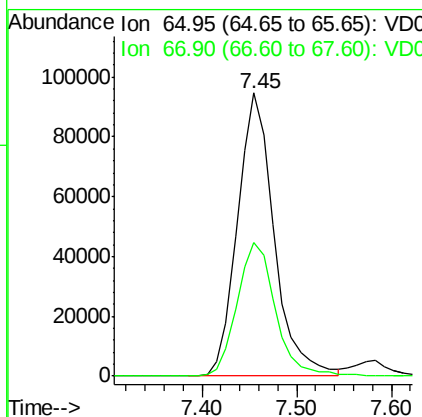
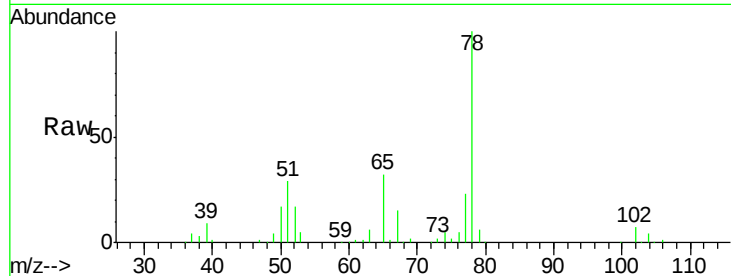




#33
 1,2-Dichloroethane-d4
 Concen: 49.055 ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

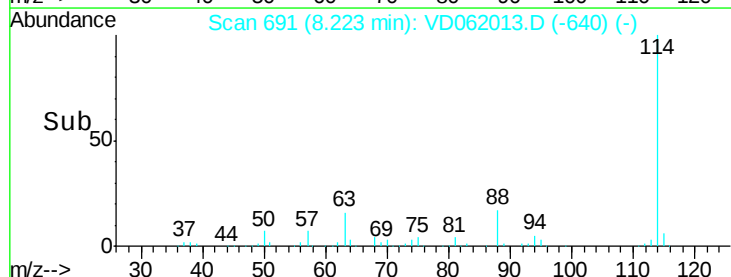
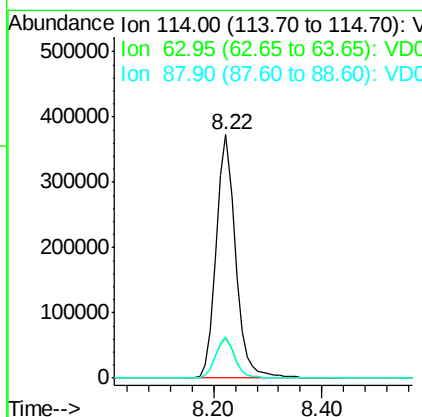
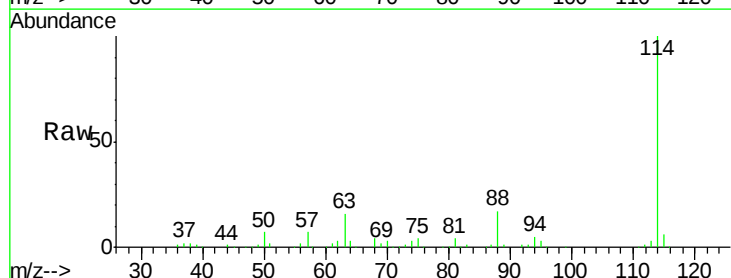
Instrument :
 MSVOA_D
 ClientSampleID :

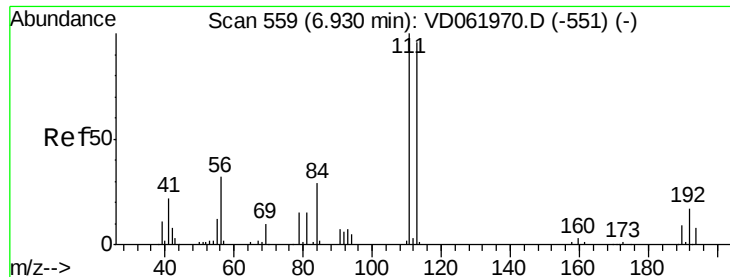
Tot Ion: 65 Resp: 253758
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 114 Resp: 925348
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 17.1 0.0 33.6

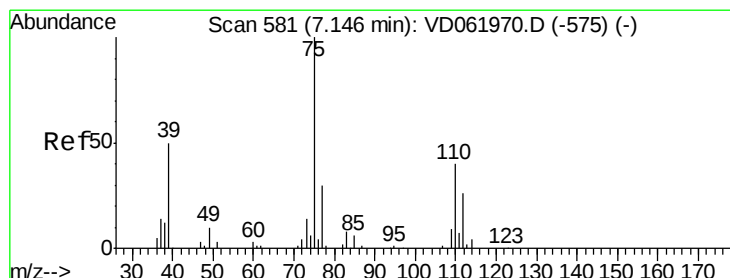
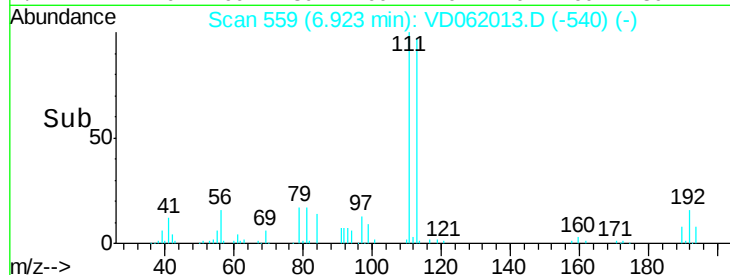
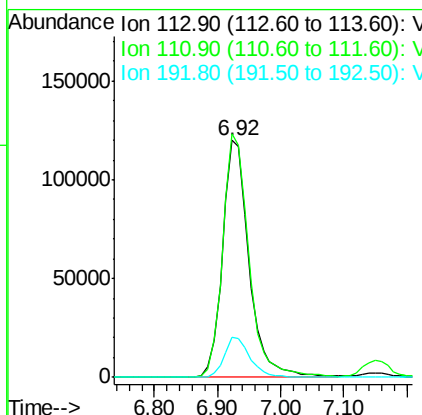
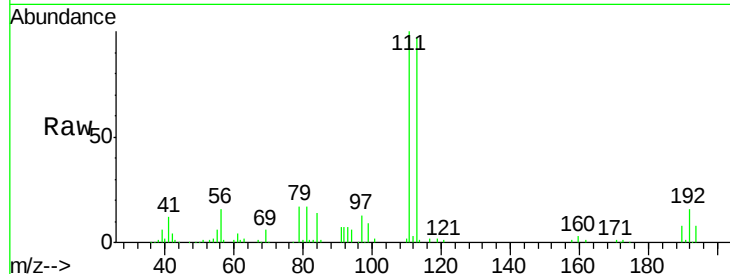




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

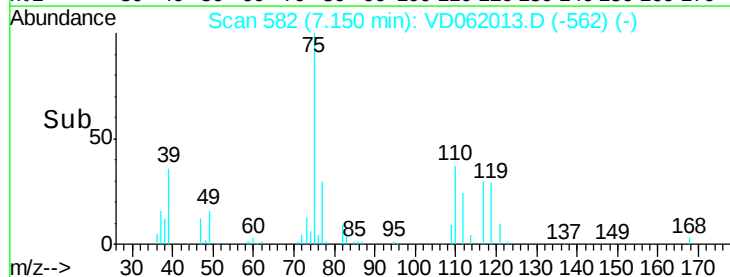
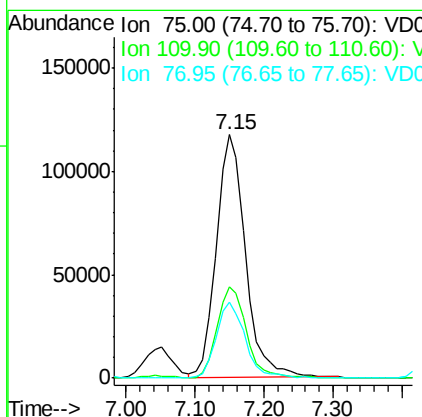
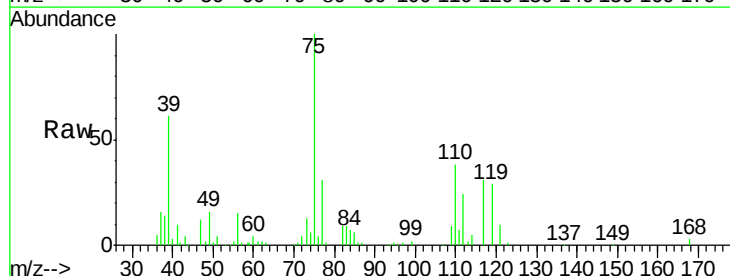
Instrument :
 MSVOA_D
 ClientSampleId :

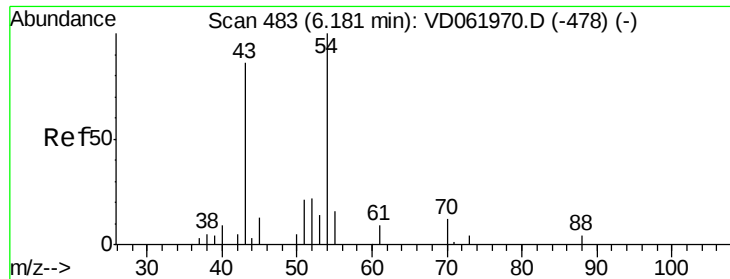
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	78.5	117.7
192	16.7	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 47.657 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.1	57.1
77	31.3	25.6	38.4

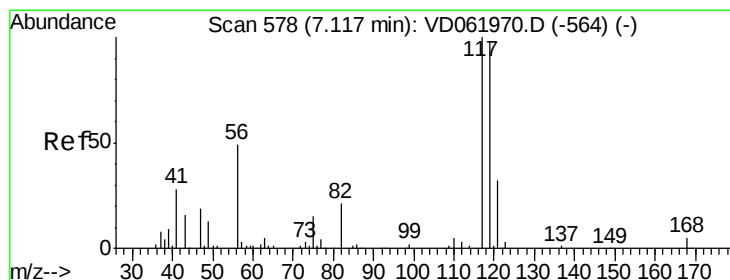
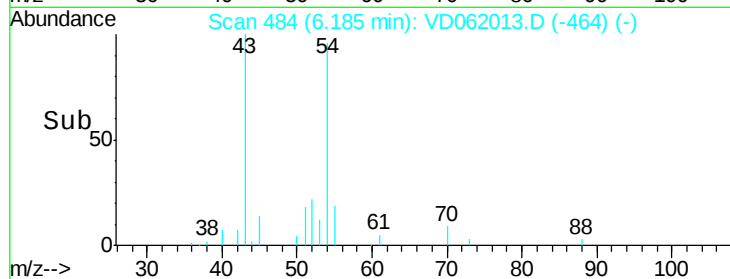
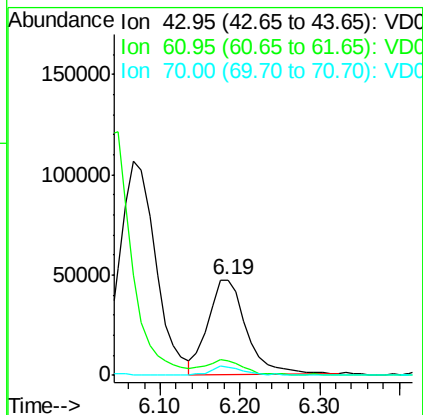
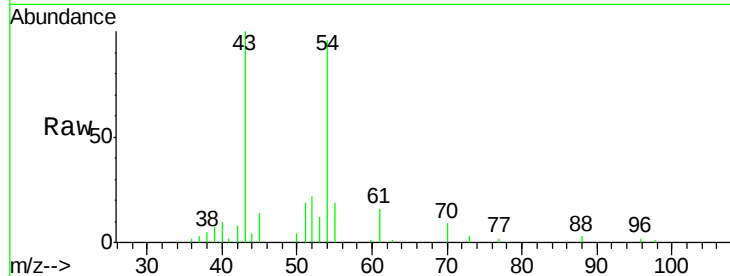




#37
Ethyl Acetate
Concen: 51.330 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

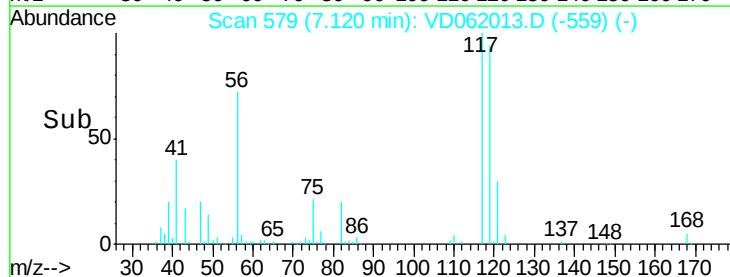
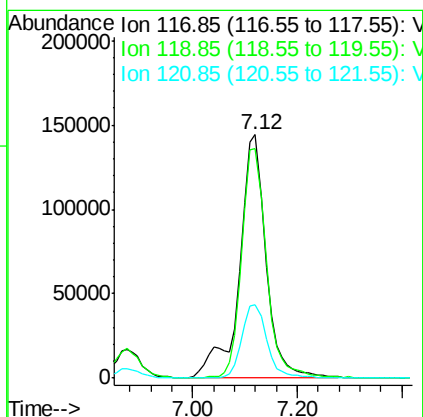
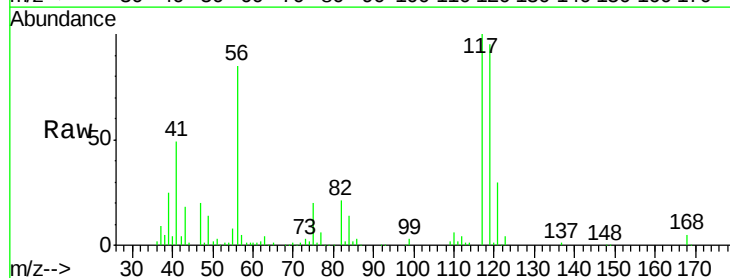
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 157696
Ion Ratio Lower Upper
43 100
61 15.5 14.7 22.1
70 8.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 54.849 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 117 Resp: 501076
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
121 30.3 25.9 38.9





#39

Methvlcvclohexane

Concen: 44.109 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

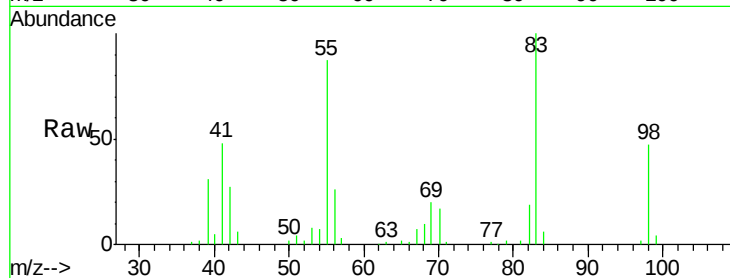
Tot Ion: 83 Resp: 313748

Ion Ratio Lower Upper

83 100

55 86.6 68.2 102.4

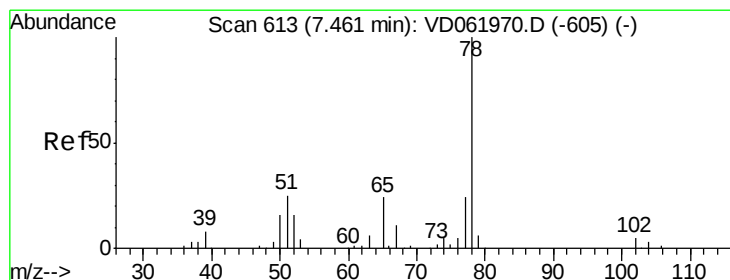
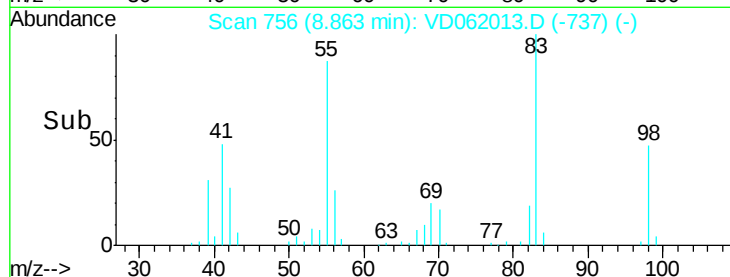
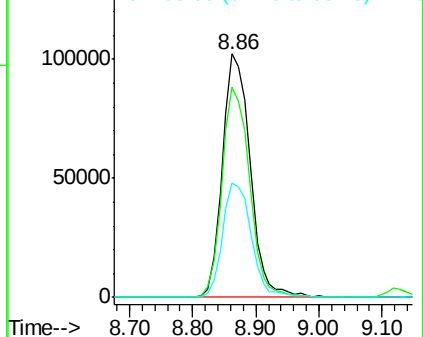
98 46.9 38.2 57.4



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: 48.751 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062013.D

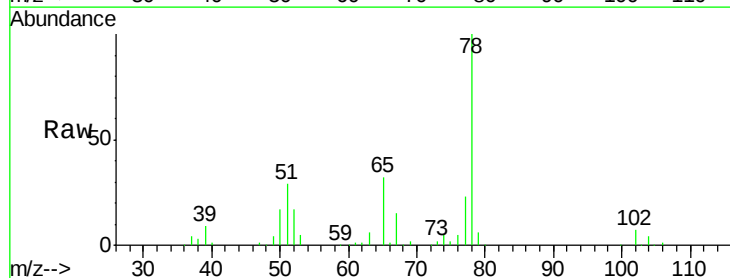
Acq: 25 Apr 2019 00:13

Tgt Ion: 78 Resp: 870117

Ion Ratio Lower Upper

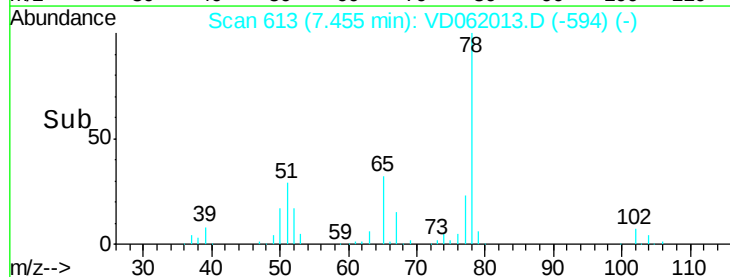
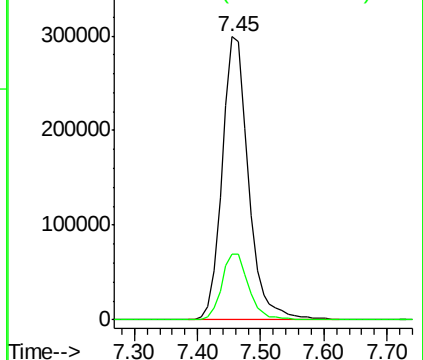
78 100

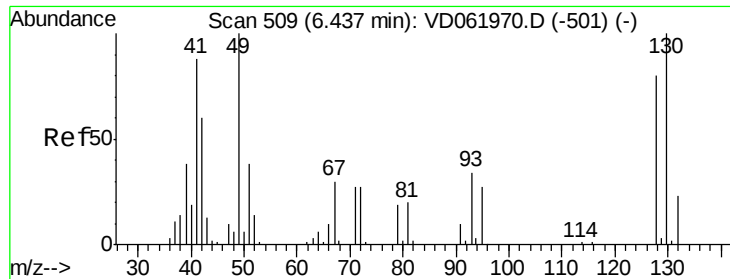
77 23.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

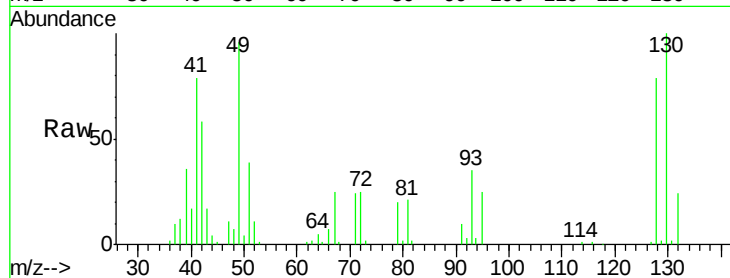




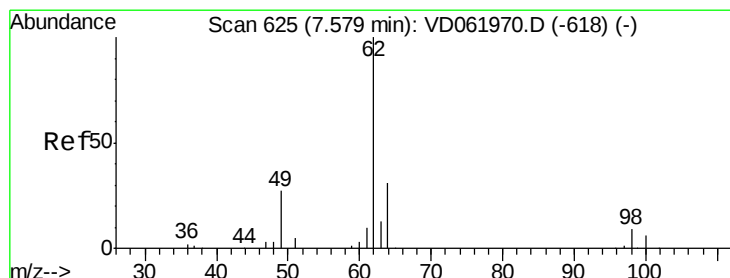
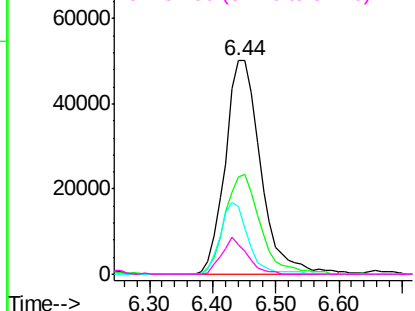
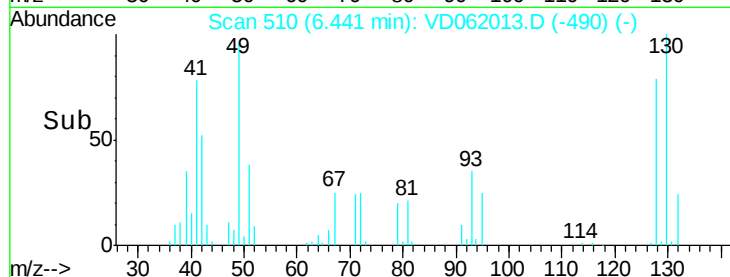
#41
Methacrylonitrile
Concen: 54.518 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 195425
Ion Ratio Lower Upper
41 100
39 45.7 34.1 51.1
67 31.7 23.8 35.6
52 13.9 8.8 13.2#

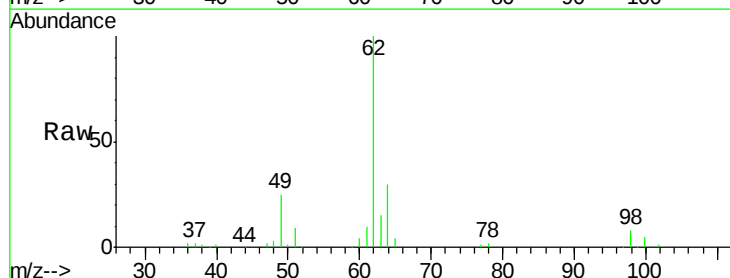


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

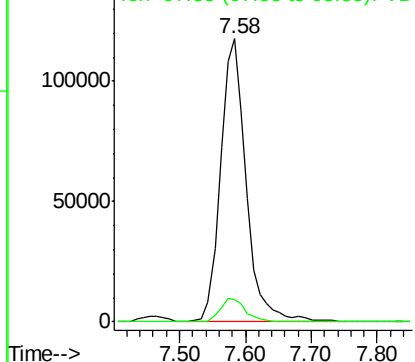
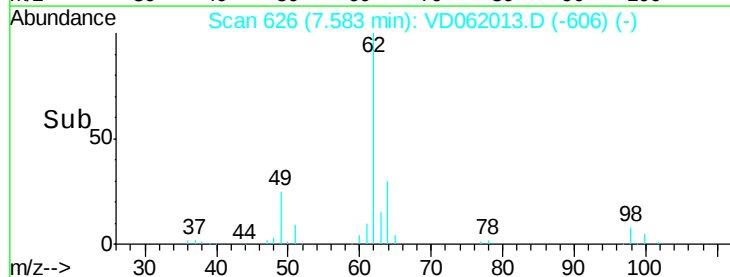


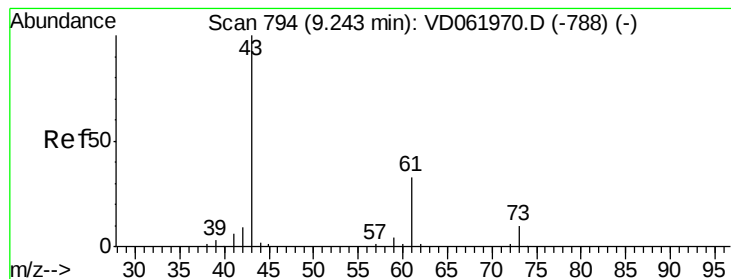
#42
1,2-Dichloroethane
Concen: 52.669 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 62 Resp: 319177
Ion Ratio Lower Upper
62 100
98 7.6 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 51.593 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

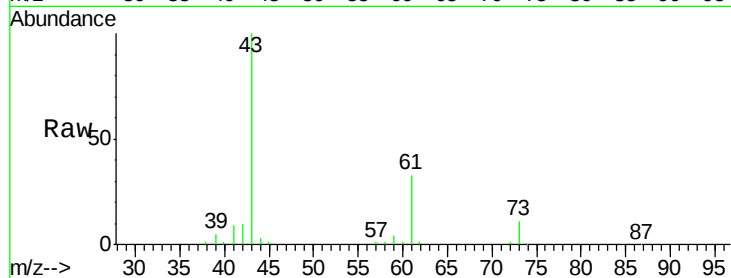
Tot Ion: 43 Resp: 231596

Ion Ratio Lower Upper

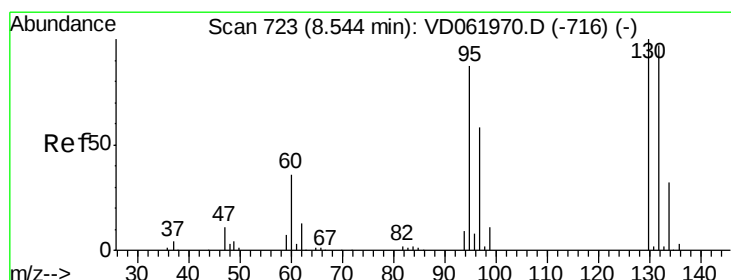
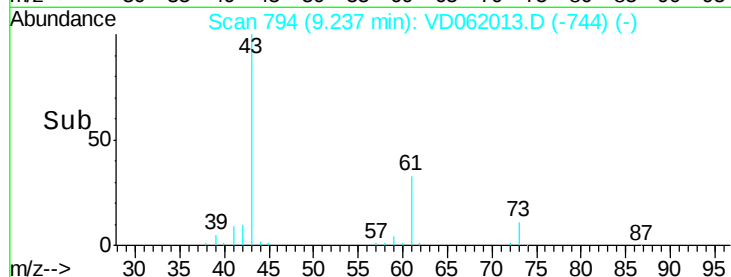
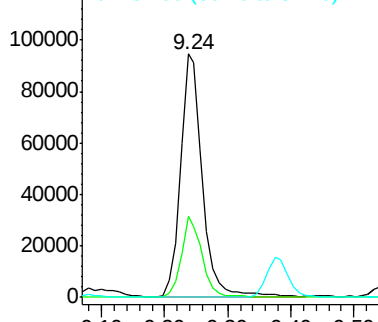
43 100

61 33.1 25.1 37.7

87 0.3 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 43.622 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062013.D

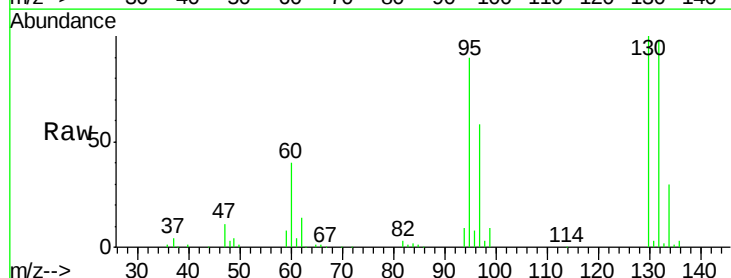
Acq: 25 Apr 2019 00:13

Tgt Ion:130 Resp: 301841

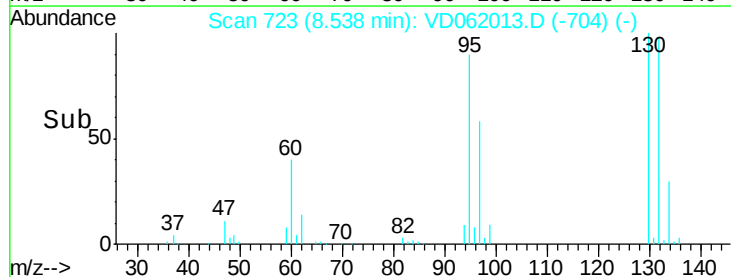
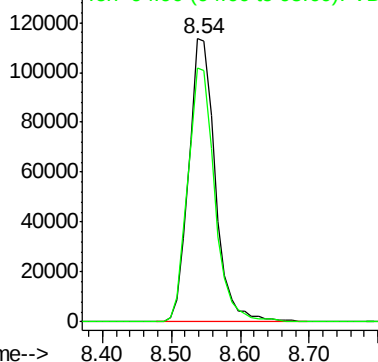
Ion Ratio Lower Upper

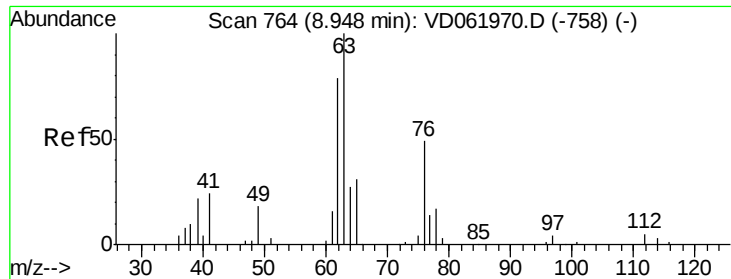
130 100

95 89.7 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 45.806 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

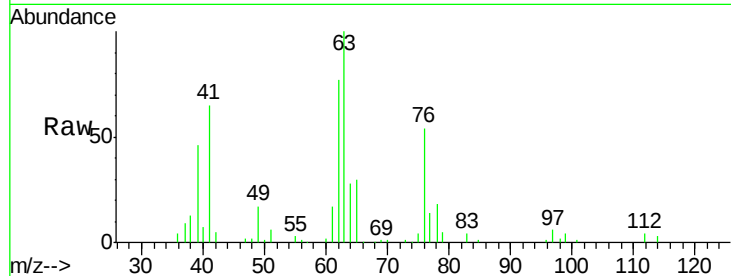
ClientSampleId :

Tot Ion: 63 Resp: 207406

Ion Ratio Lower Upper

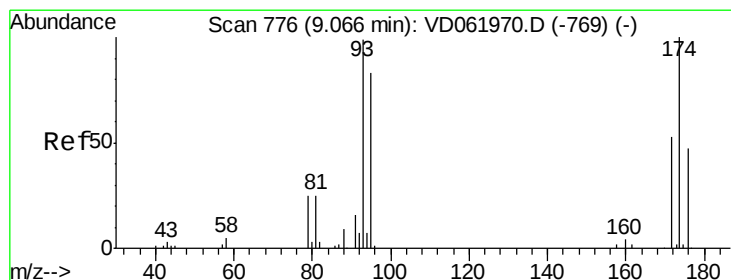
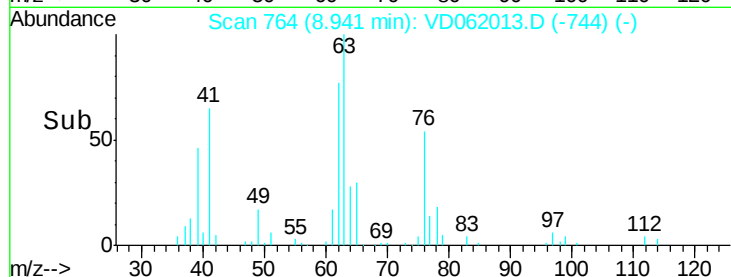
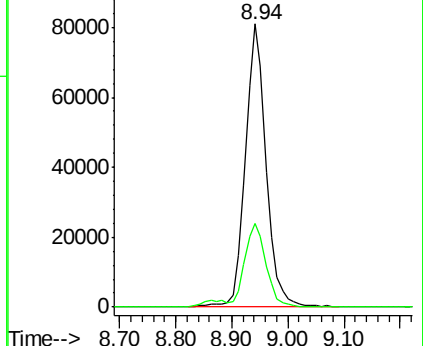
63 100

65 29.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.779 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

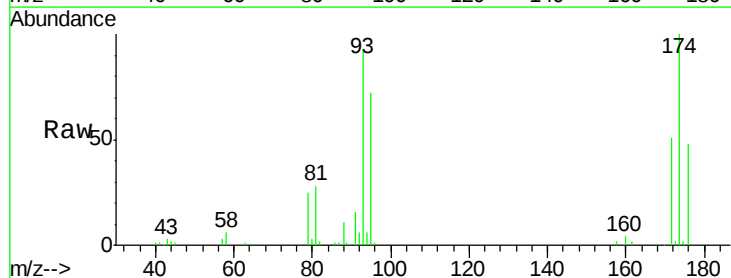
Tgt Ion: 93 Resp: 162184

Ion Ratio Lower Upper

93 100

95 78.8 64.8 97.2

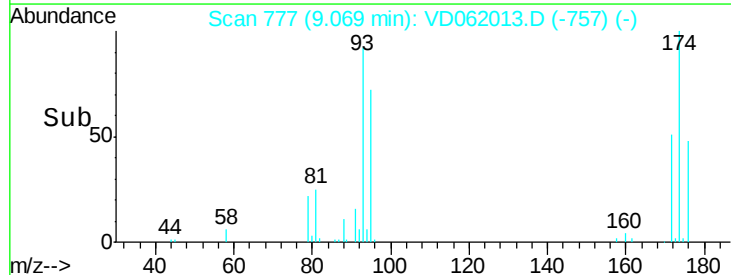
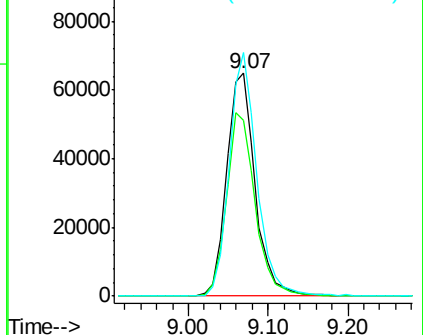
174 109.2 79.3 118.9



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: 48.024 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

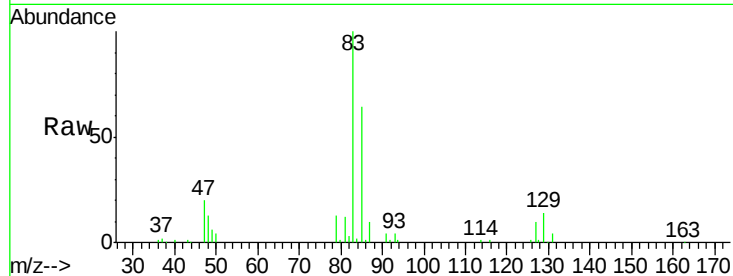
Tot Ion: 83 Resp: 369705

Ion Ratio Lower Upper

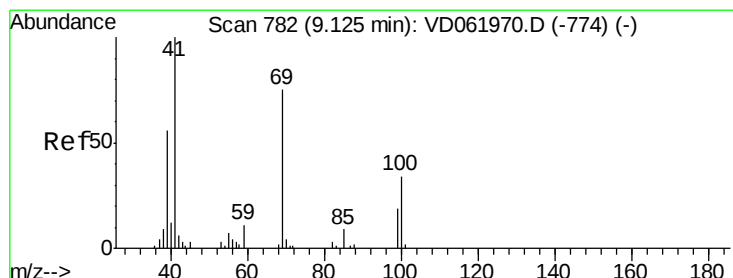
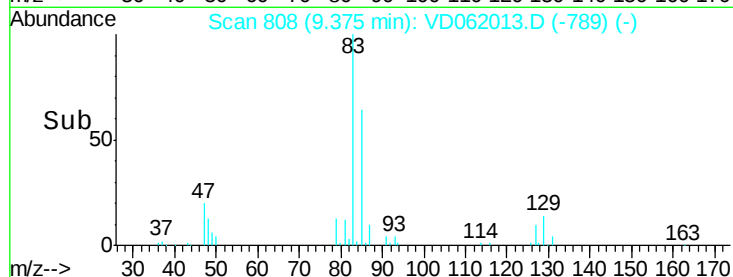
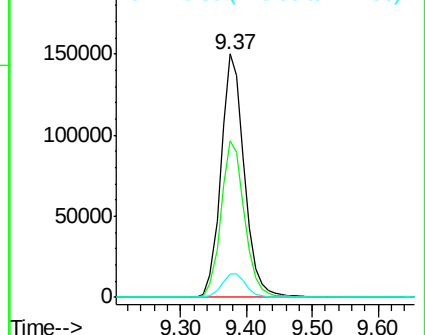
83 100

85 64.2 50.9 76.3

127 9.6 8.1 12.1



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: 53.790 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

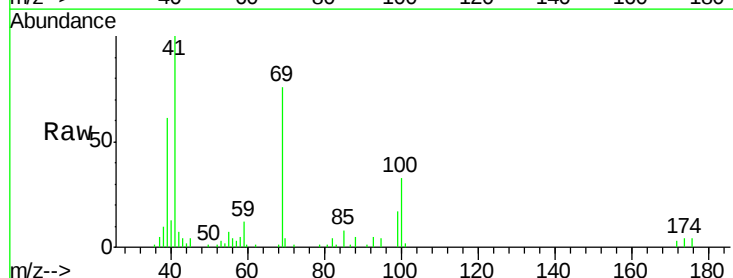
Tgt Ion: 41 Resp: 137766

Ion Ratio Lower Upper

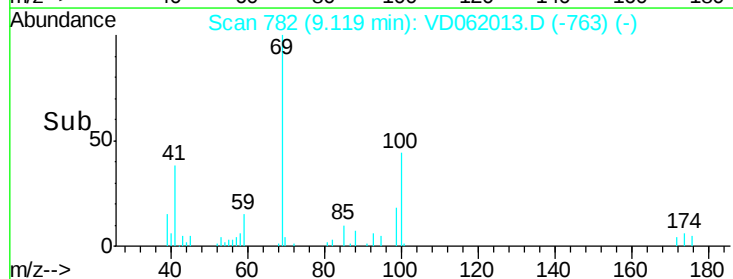
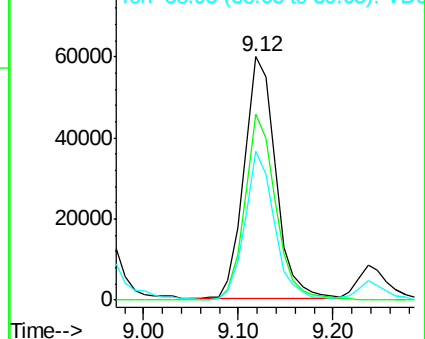
41 100

69 76.3 64.2 96.2

39 61.2 46.8 70.2



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

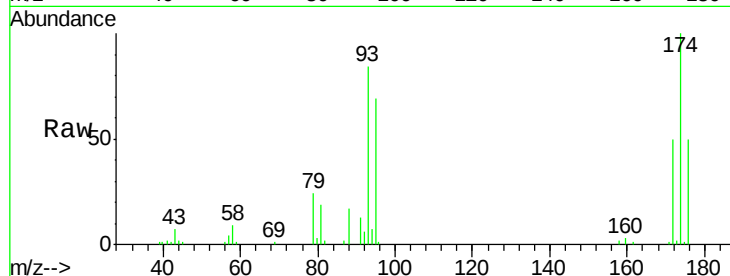




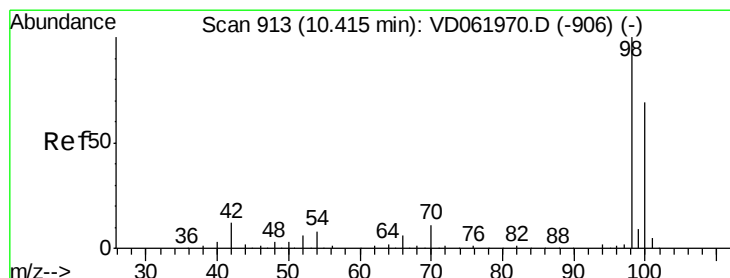
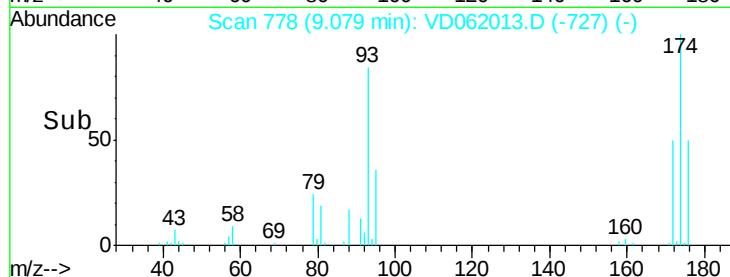
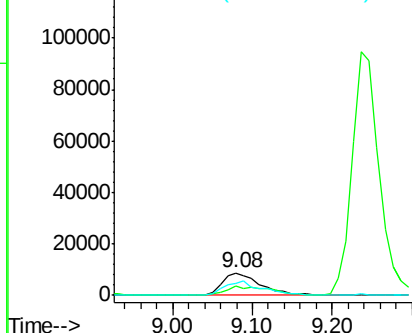
#49
1,4-Dioxane
Concen: 1067.158 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 29467
Ion Ratio Lower Upper
88 100
43 40.2 23.4 35.0#
58 55.0 44.0 66.0

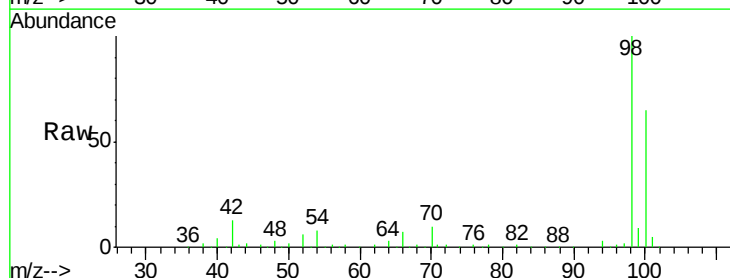


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

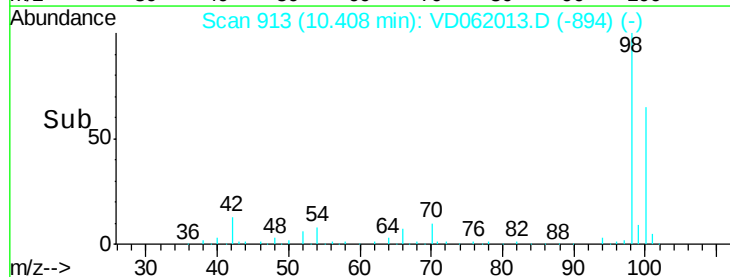
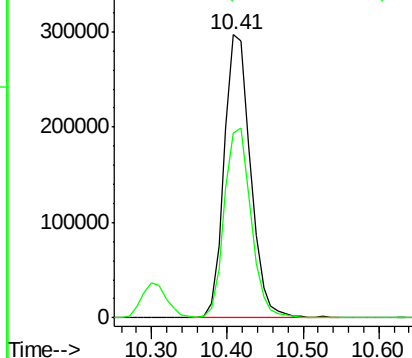


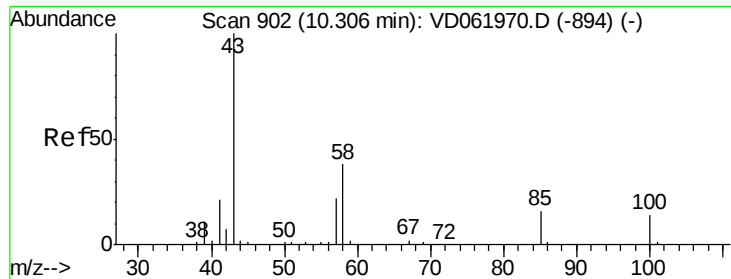
#50
Toluene-d8
Concen: 1067.158 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 98 Resp: 715862
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 255.002 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

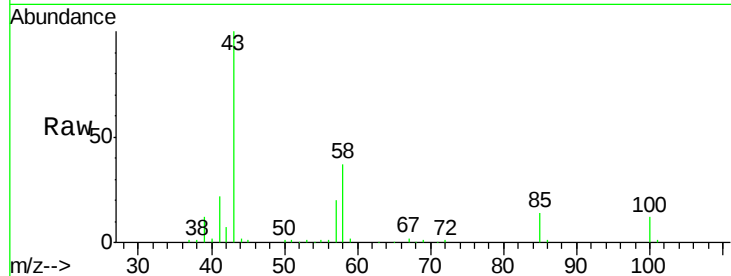
ClientSampleId :

Tot Ion: 43 Resp: 700041

Ion Ratio Lower Upper

43 100

58 37.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

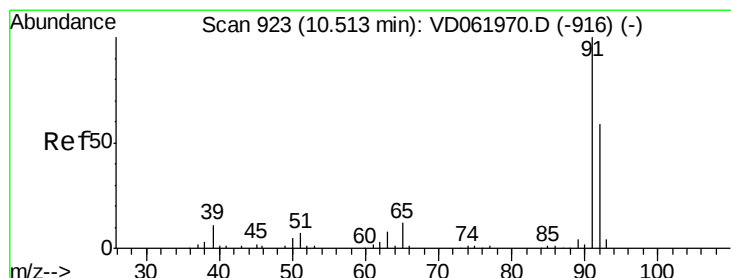
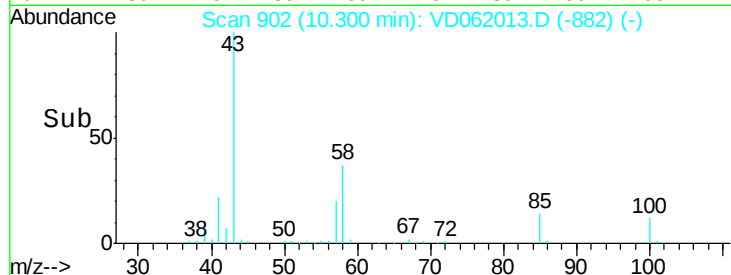
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 41.936 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062013.D

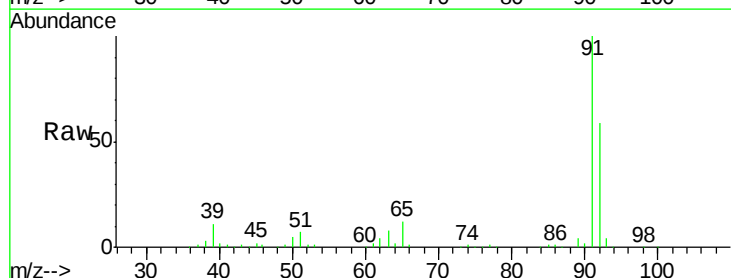
Acq: 25 Apr 2019 00:13

Tgt Ion: 92 Resp: 477244

Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

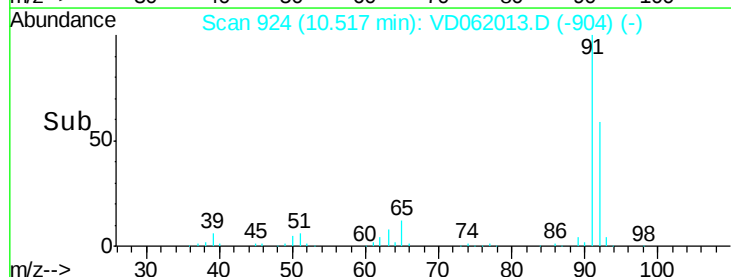
300000

200000

100000

0

Time-->

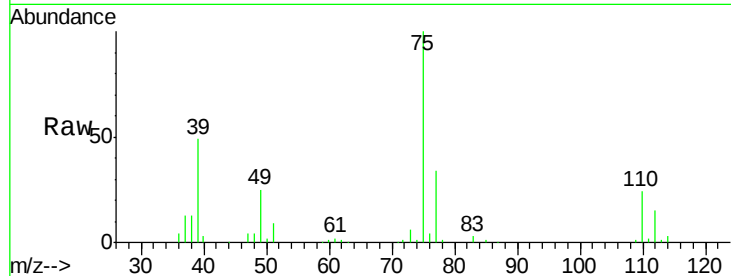




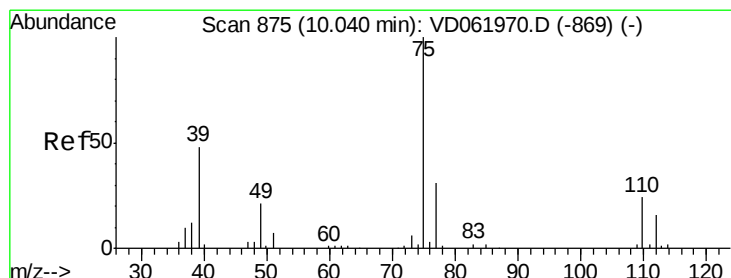
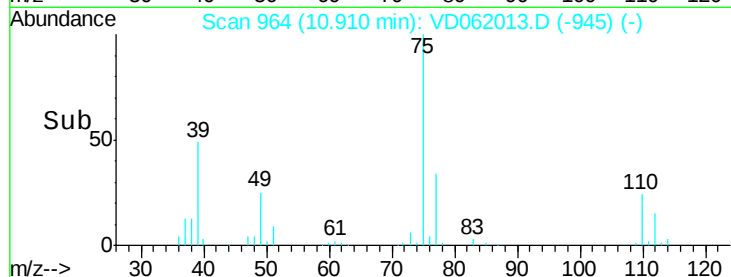
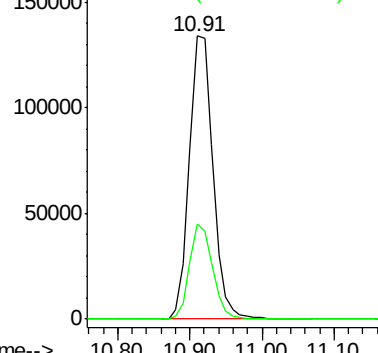
#53
 t-1,3-Dichloropropene
 Concen: 46.814 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 302502
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.8

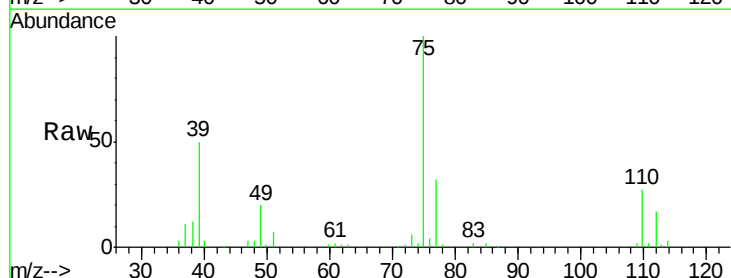


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

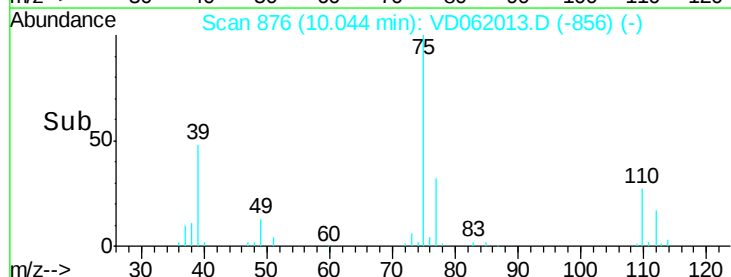
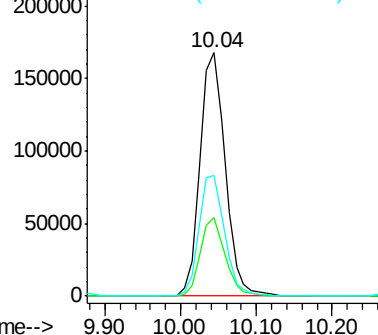


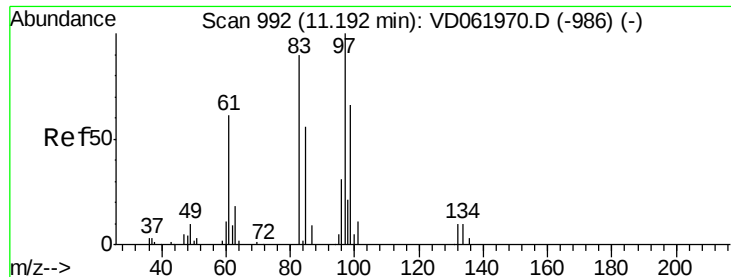
#54
 cis-1,3-Dichloropropene
 Concen: 49.045 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 75 Resp: 385455
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3
 39 49.7 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC

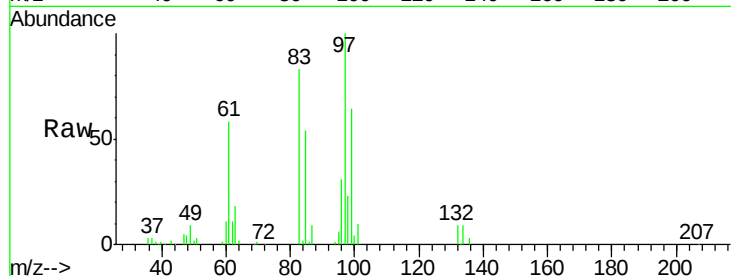




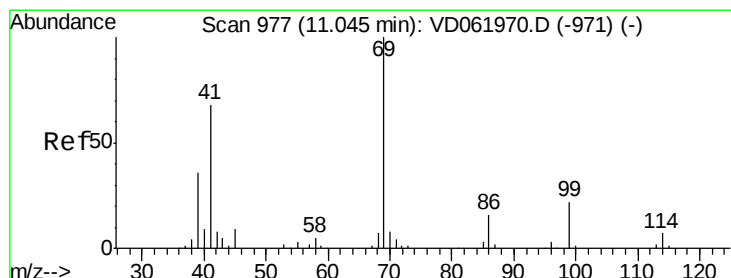
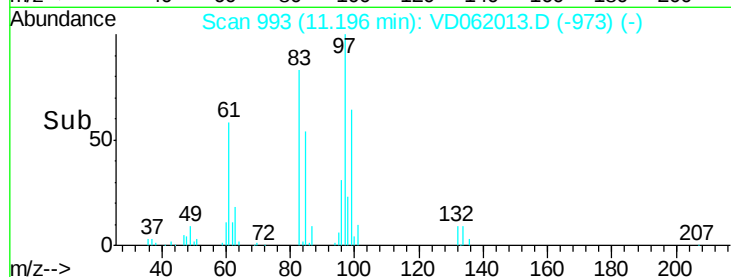
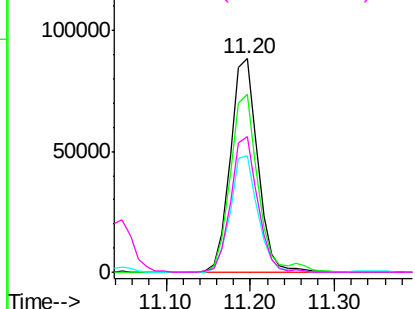
#55
 1,1,2-Trichloroethane
 Concen: 52.255 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	199644
Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.7	98.5
85	54.3	45.6	68.4
99	63.8	48.4	72.6

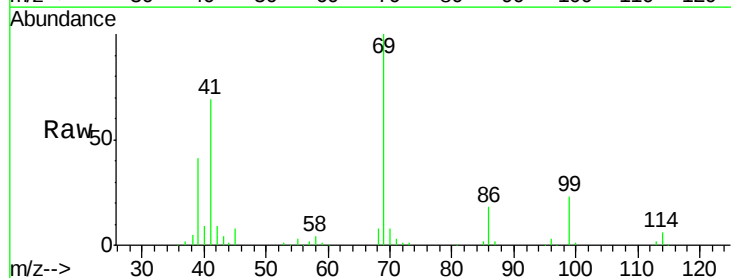


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

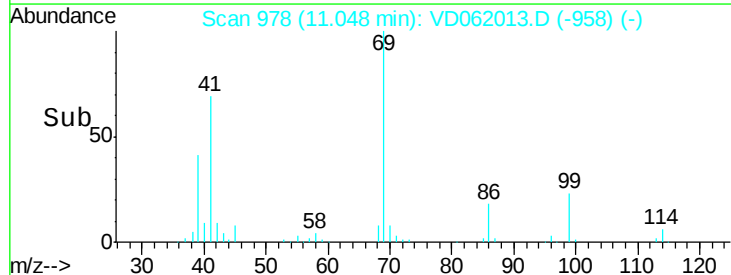
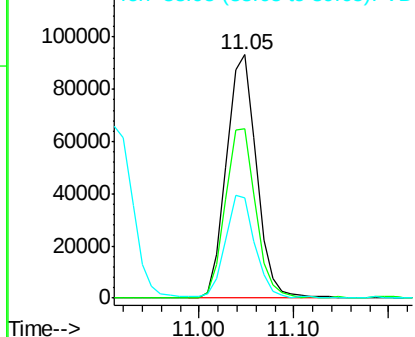


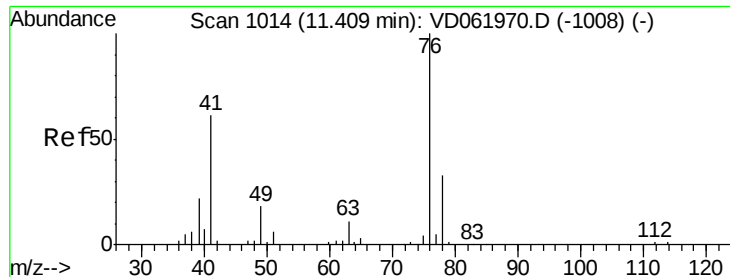
#56
 Ethyl methacrylate
 Concen: 48.531 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:	69	Resp:	205357
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	41.0	29.4	44.2



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: 50.146 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

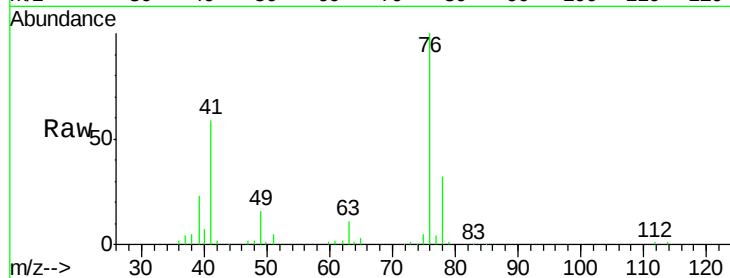
ClientSampled :

Tot Ion: 76 Resp: 295906

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

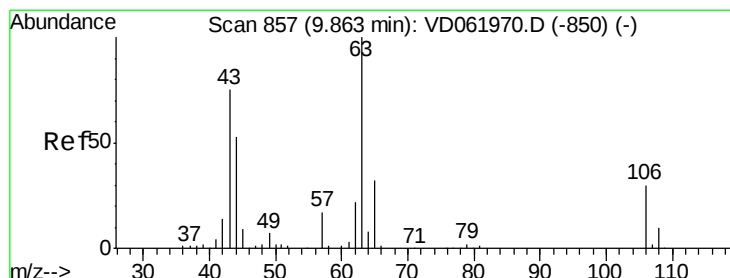
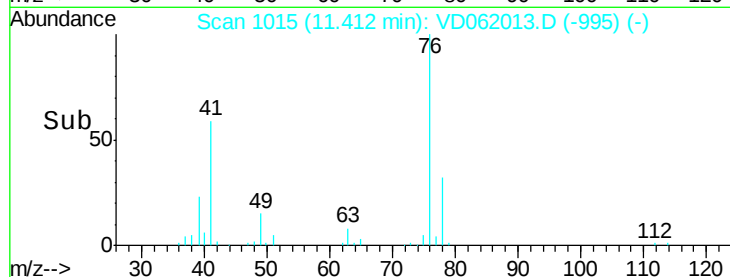
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.278 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062013.D

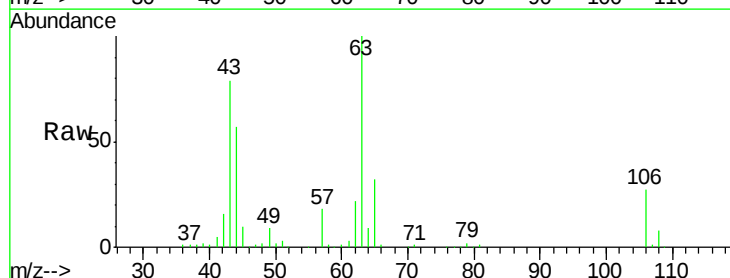
Acq: 25 Apr 2019 00:13

Tgt Ion: 63 Resp: 488444

Ion Ratio Lower Upper

63 100

106 27.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

250000

200000

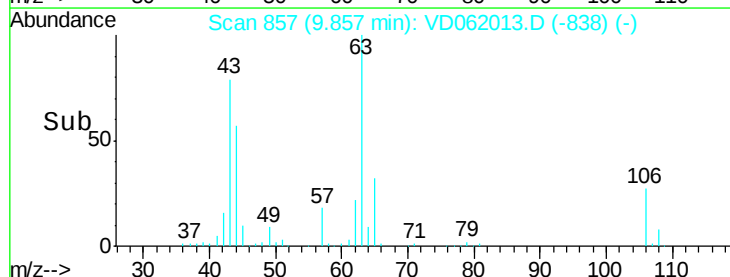
150000

100000

50000

0

Time-->

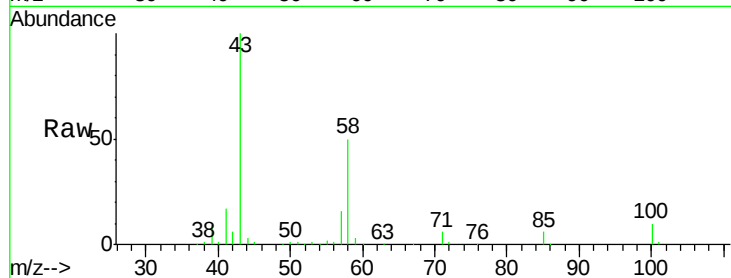




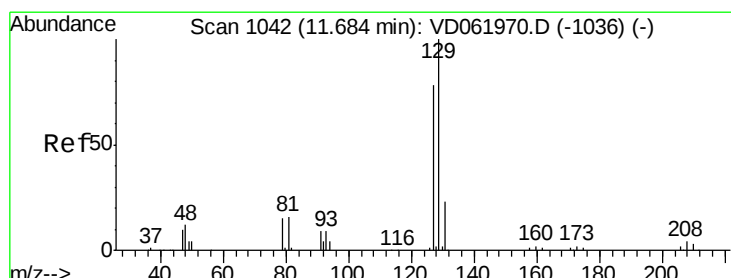
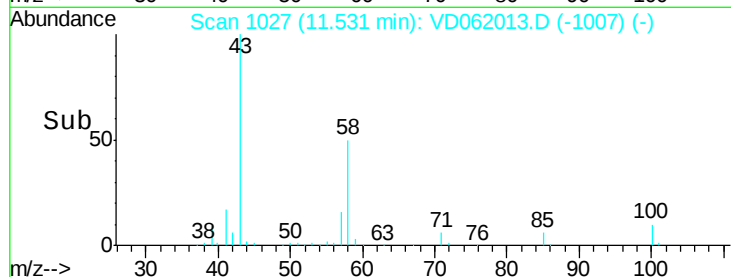
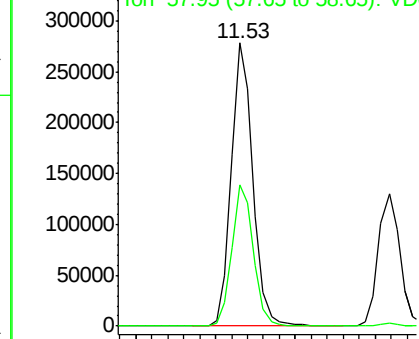
#59
2-Hexanone
Concen: 258.332 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 531989
Ion Ratio Lower Upper
43 100
58 50.1 25.4 76.4

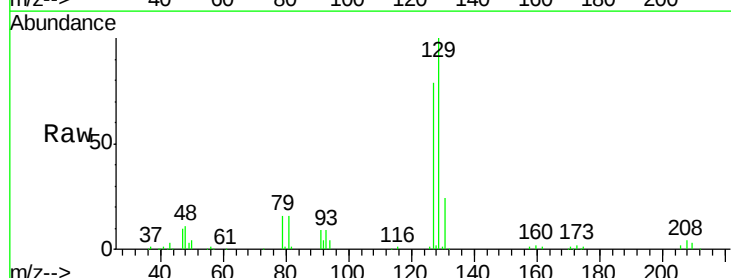


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

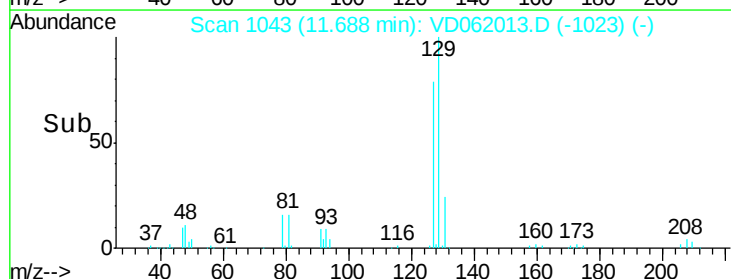
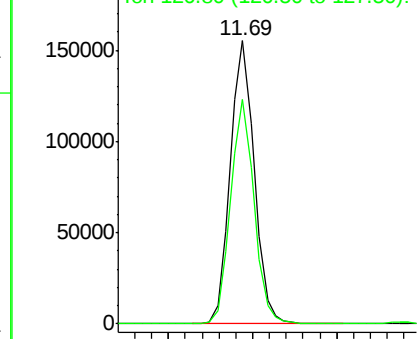


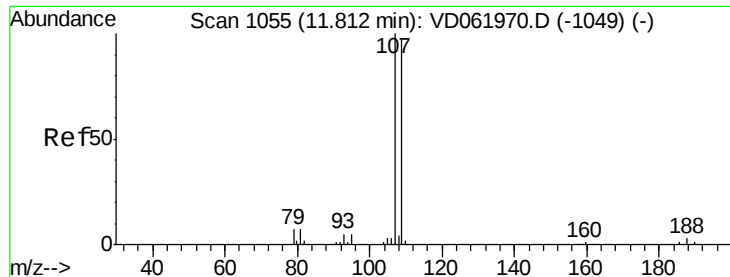
#60
Dibromochloromethane
Concen: 48.596 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 129 Resp: 307208
Ion Ratio Lower Upper
129 100
127 79.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

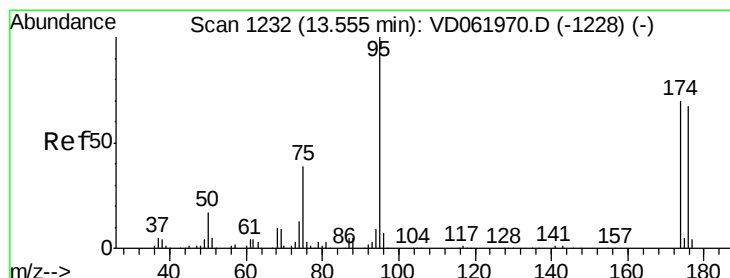
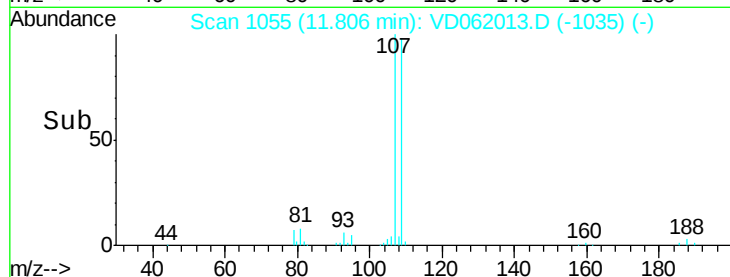
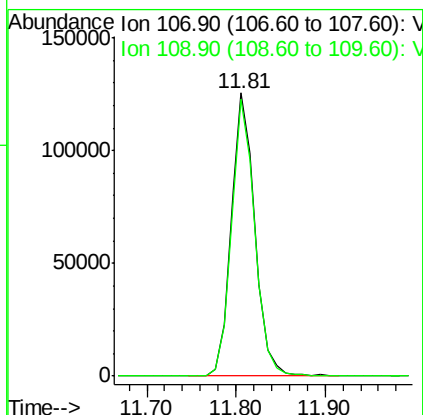
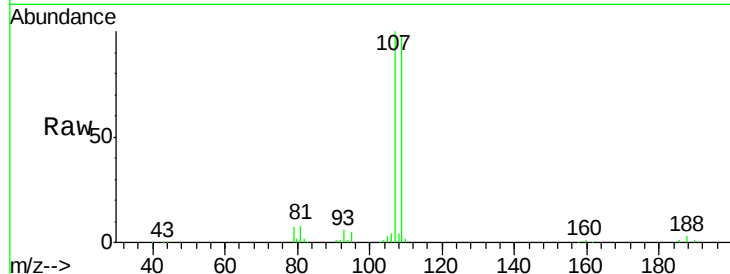




#61
 1,2-Dibromoethane
 Concen: 51.344 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

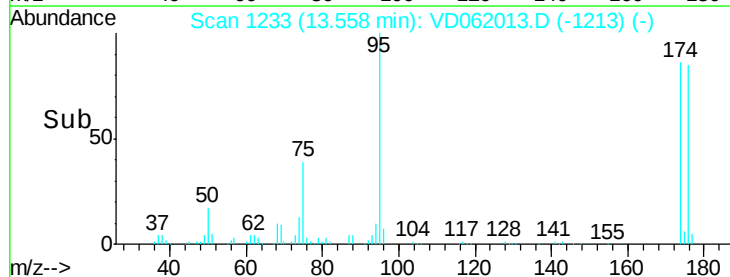
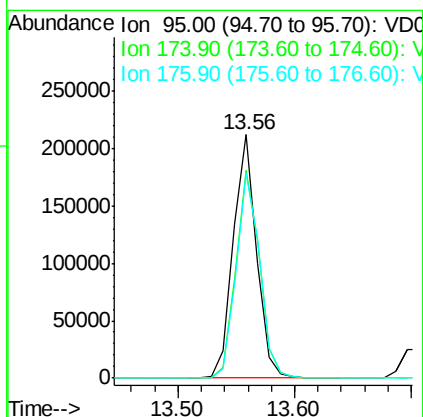
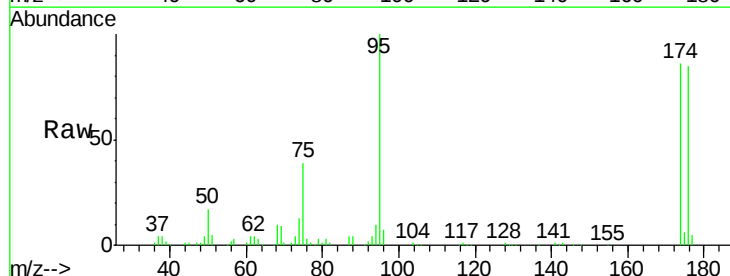
Instrument :
 MSVOA_D
 ClientSampleId :

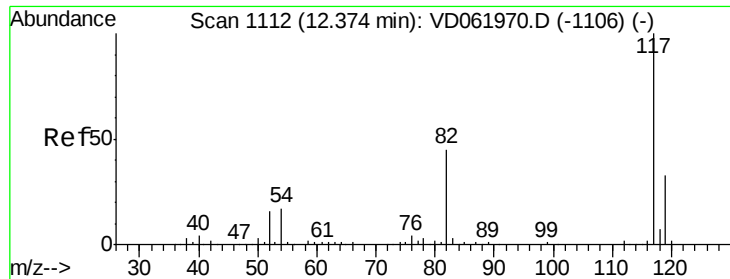
Tot Ion:107 Resp: 232702
 Ion Ratio Lower Upper
 107 100
 109 97.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 51.344 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 95 Resp: 292680
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 181.8
 176 84.5 0.0 174.4

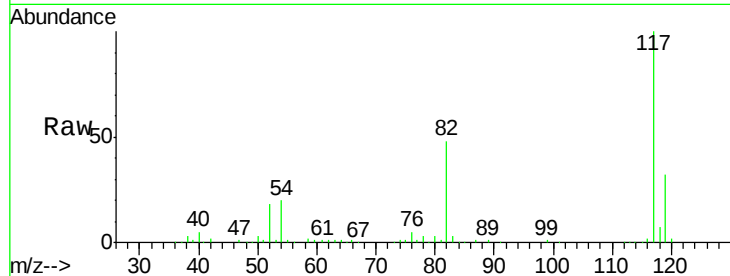




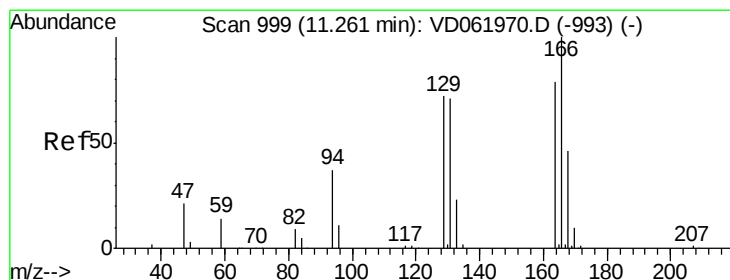
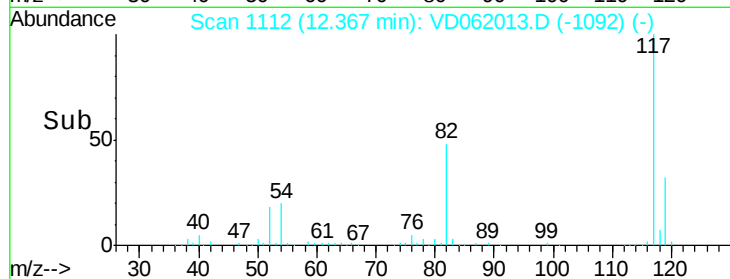
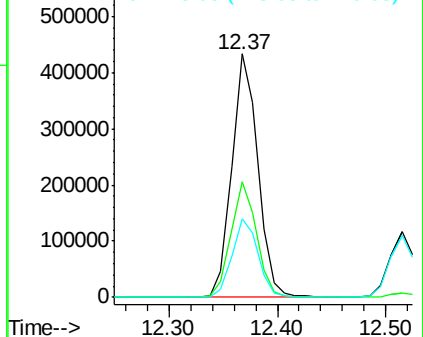
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 724395
Ion Ratio Lower Upper
117 100
82 47.7 36.2 54.2
119 32.3 26.2 39.4

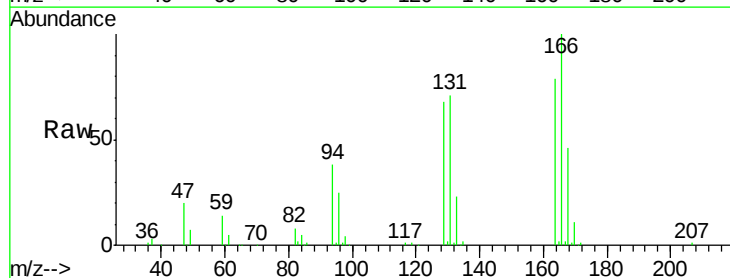


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

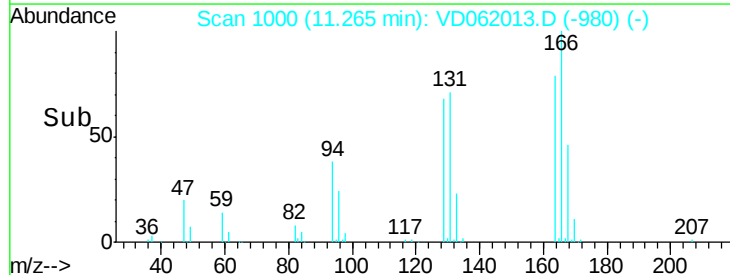
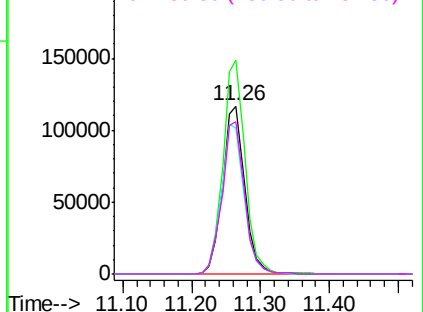


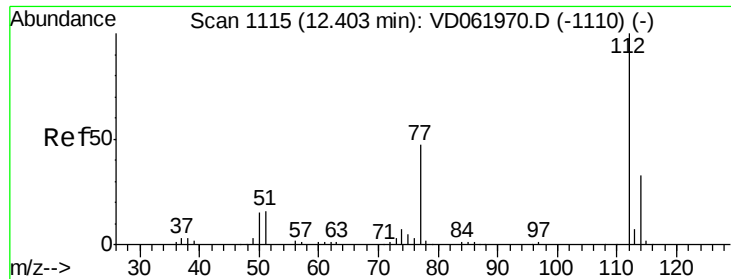
#64
Tetrachloroethene
Concen: 50.204 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:164 Resp: 259431
Ion Ratio Lower Upper
164 100
166 127.2 101.5 152.3
129 86.7 74.6 112.0
131 90.9 72.6 108.8



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

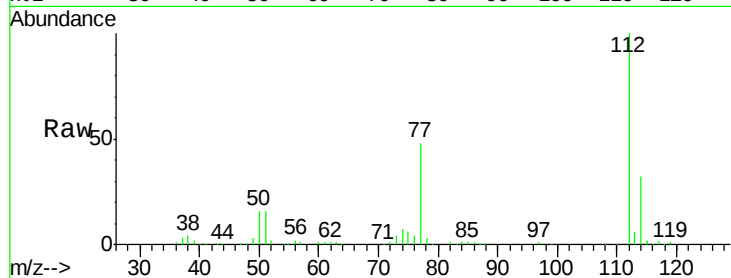




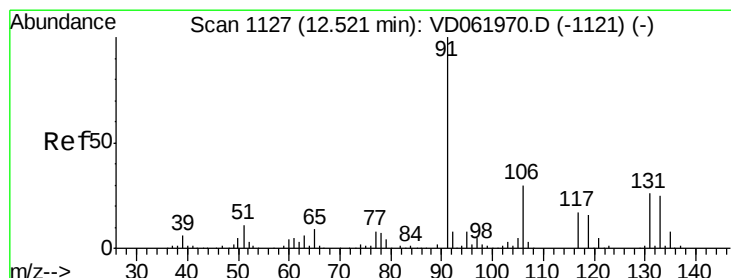
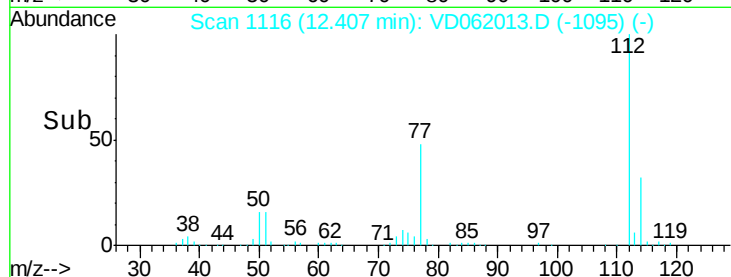
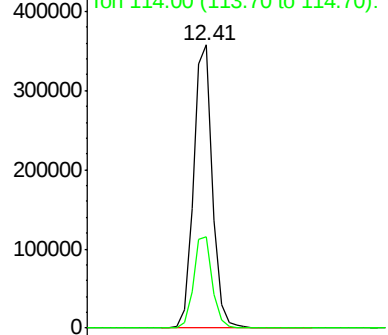
#65
Chlorobenzene
Concen: 45.329 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 620481
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

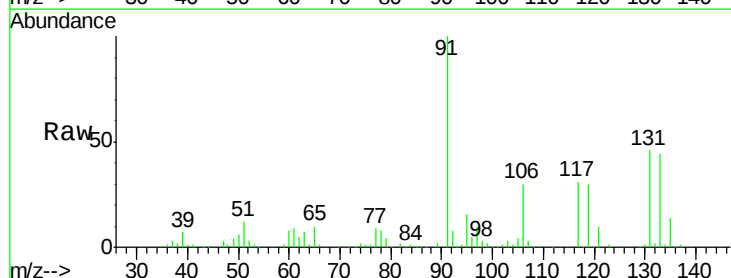


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

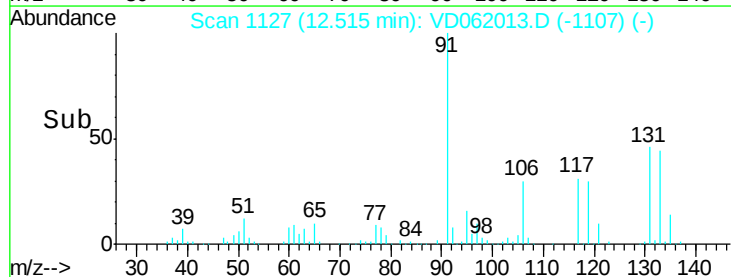
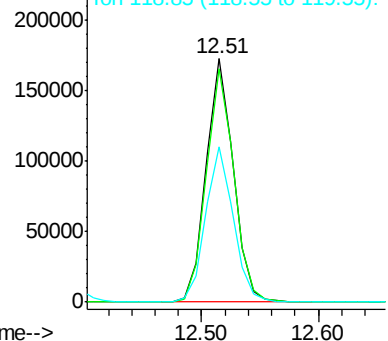


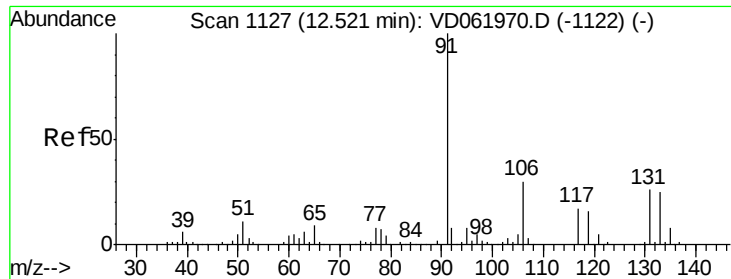
#66
1,1,1,2-Tetrachloroethane
Concen: 48.263 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:131 Resp: 280233
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.8
119 63.9 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

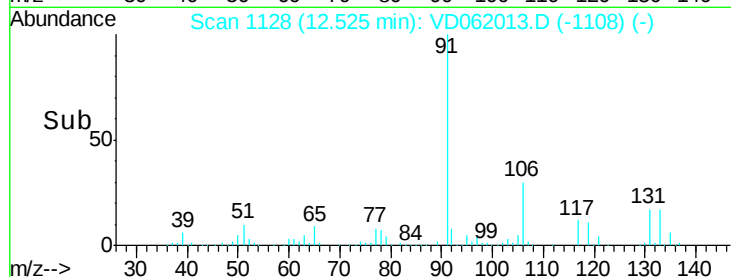
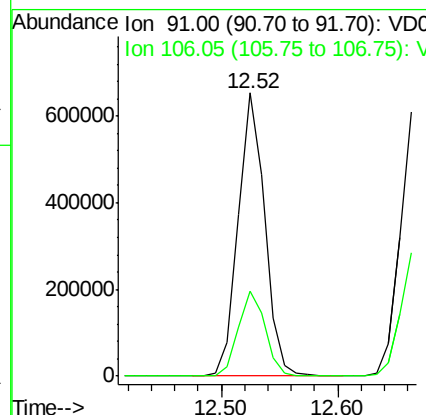
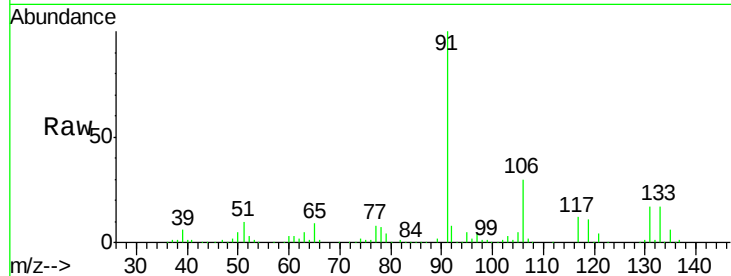




#67
Ethyl Benzene
Concen: 46.274 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

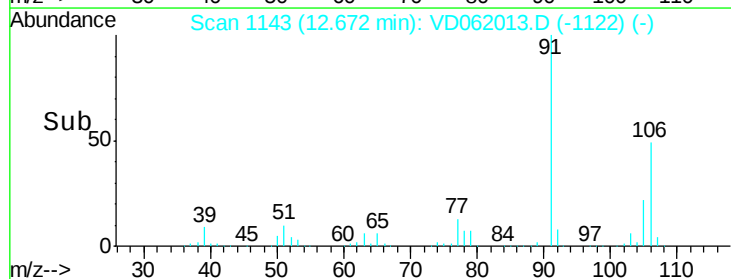
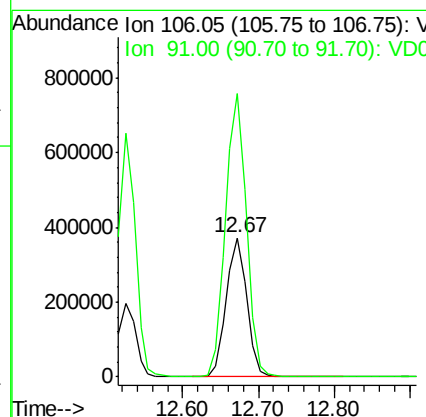
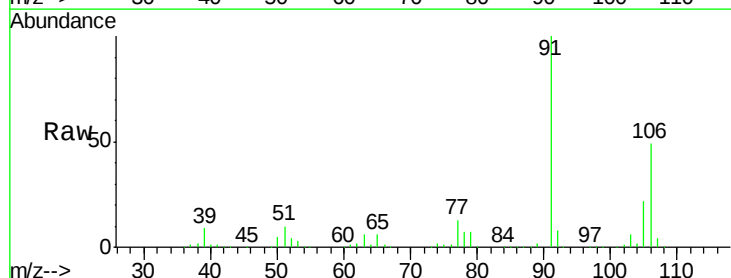
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1033859
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 87.385 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 106 Resp: 705640
Ion Ratio Lower Upper
106 100
91 203.1 164.0 246.0

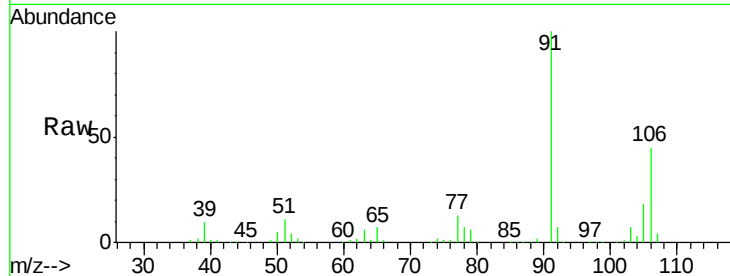




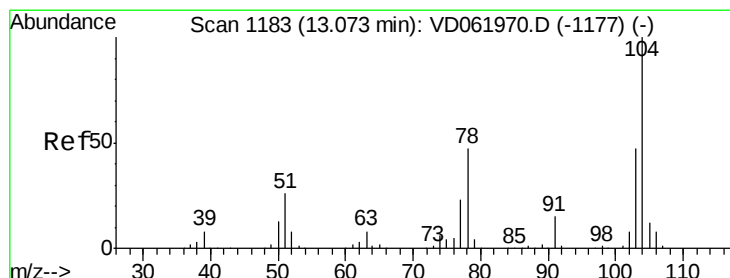
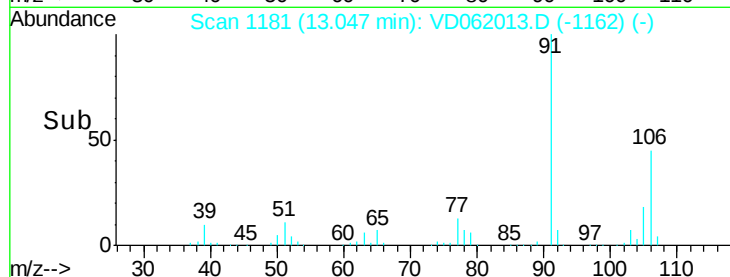
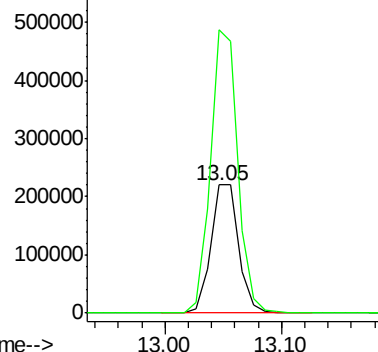
#69
o-Xylene
Concen: 49.004 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 362062
Ion Ratio Lower Upper
106 100
91 221.1 106.7 319.9

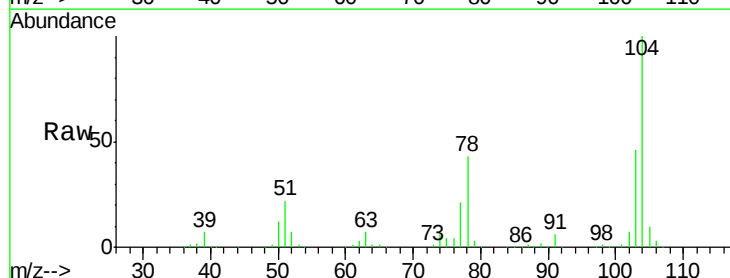


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

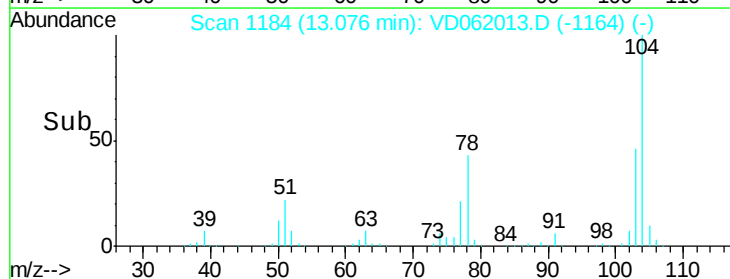
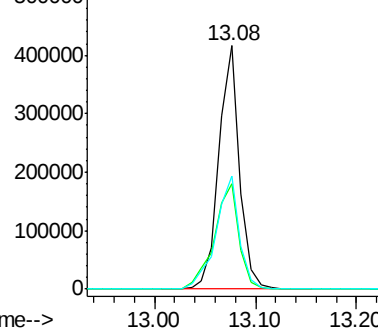


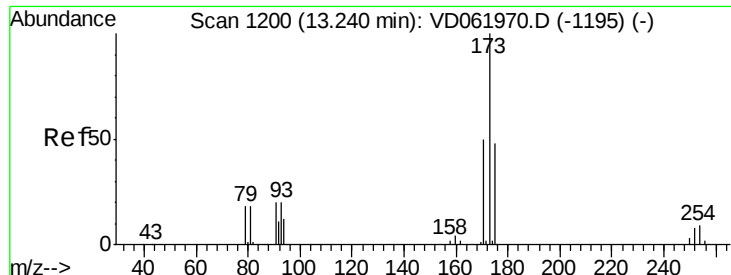
#70
Styrene
Concen: 46.753 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:104 Resp: 596451
Ion Ratio Lower Upper
104 100
78 43.3 35.4 53.2
103 46.3 37.5 56.3



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





#71

Bromoform

Concen: 56.645 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

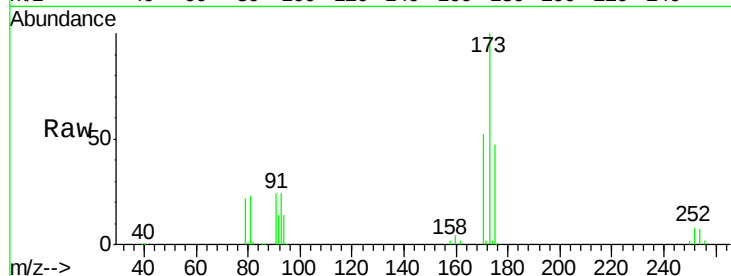
Tot Ion:173 Resp: 187512

Ion Ratio Lower Upper

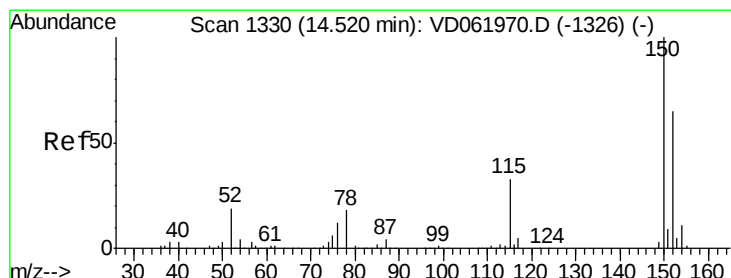
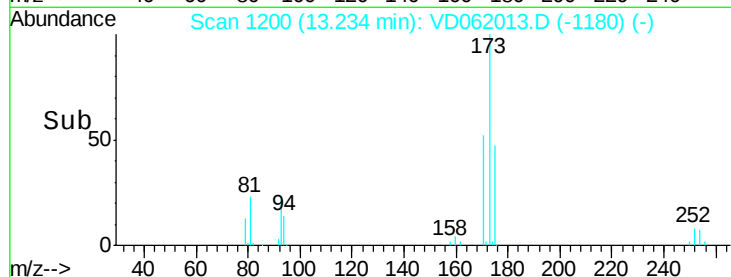
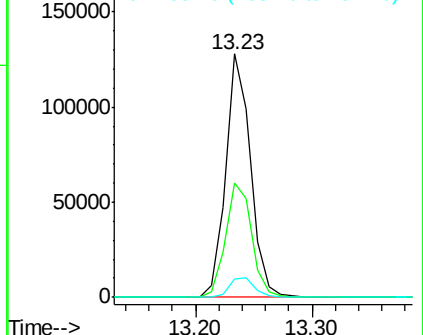
173 100

175 46.9 24.4 73.4

254 7.4 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

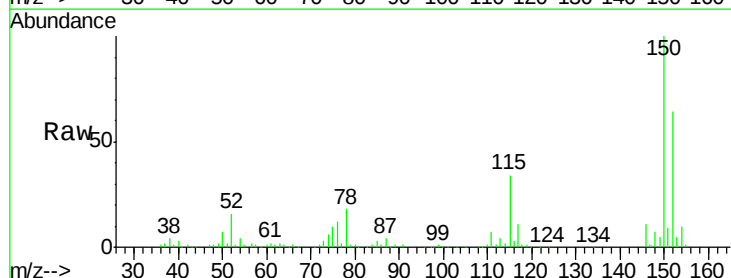
Tgt Ion:152 Resp: 343670

Ion Ratio Lower Upper

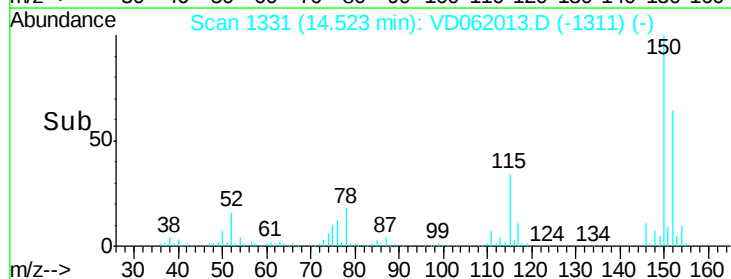
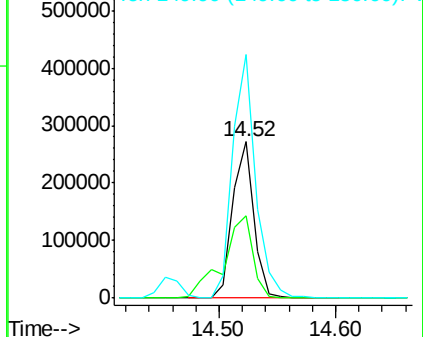
152 100

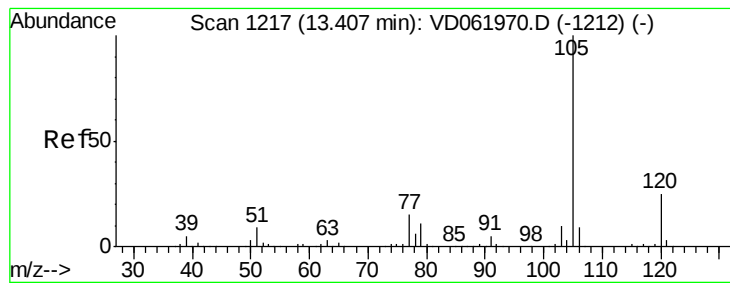
115 53.0 30.9 92.7

150 155.7 0.0 314.8



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: 46.299 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

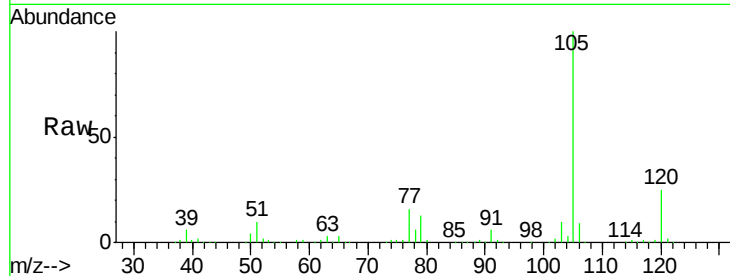
ClientSampleId :

Tot Ion:105 Resp: 1061422

Ion Ratio Lower Upper

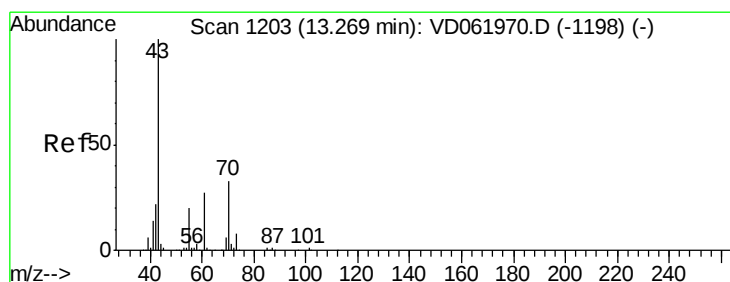
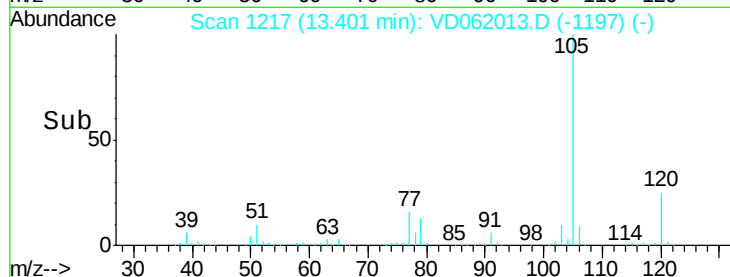
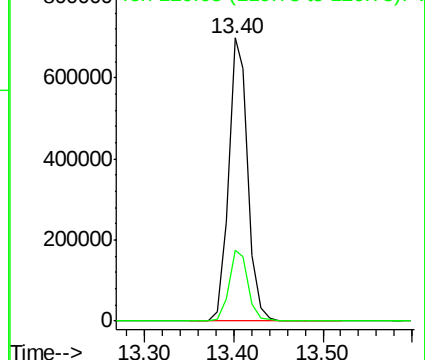
105 100

120 25.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.054 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion: 43 Resp: 313234

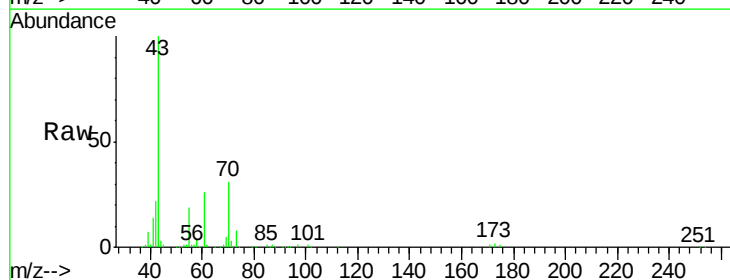
Ion Ratio Lower Upper

43 100

70 31.4 24.2 36.4

55 18.9 16.0 24.0

61 25.6 21.6 32.4

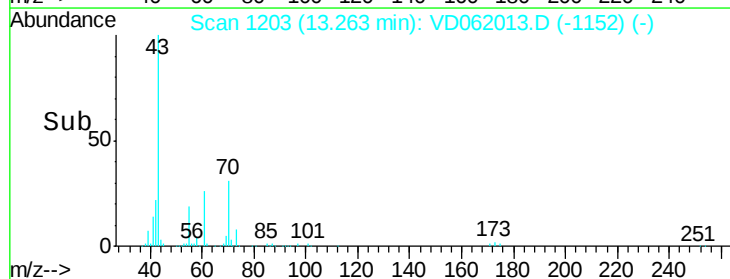
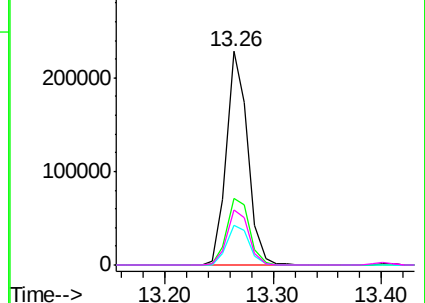


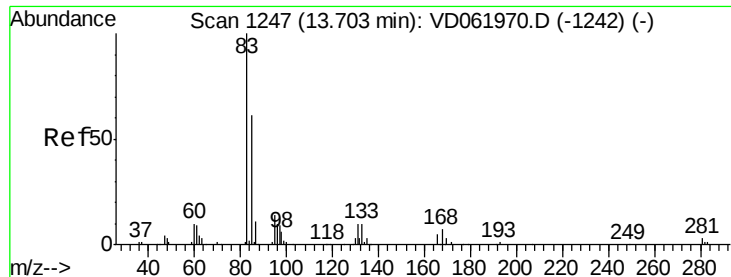
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 52.398 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

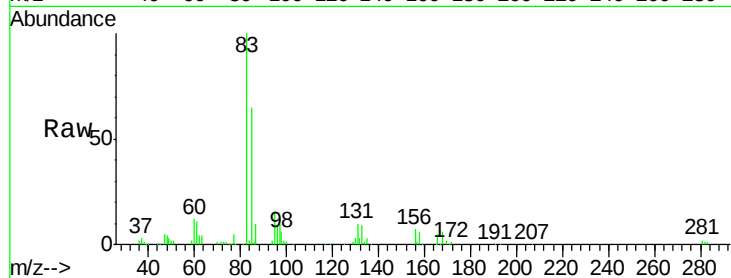
Tot Ion: 83 Resp: 235396

Ion Ratio Lower Upper

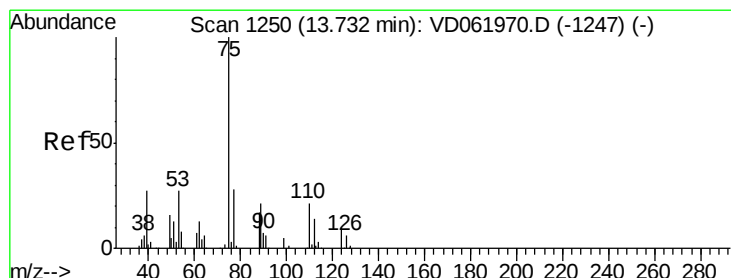
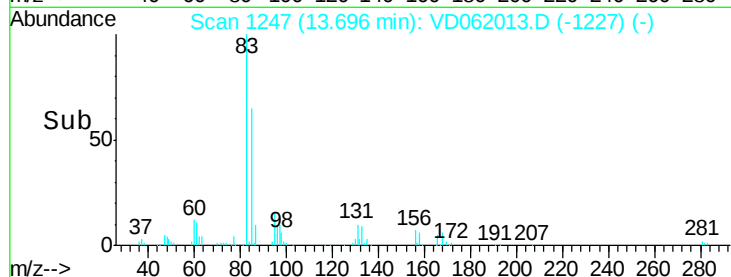
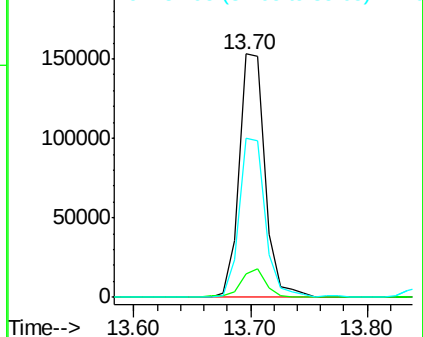
83 100

131 9.6 5.0 14.9

85 65.2 32.6 97.7



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: 52.207 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062013.D

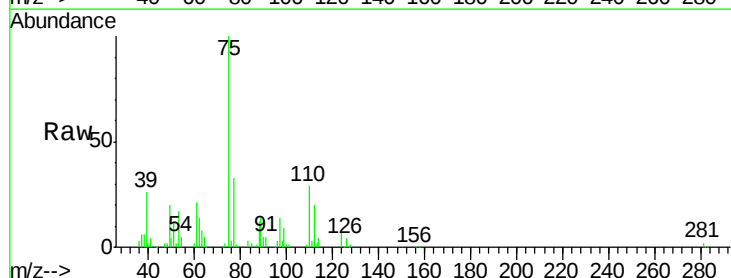
Acq: 25 Apr 2019 00:13

Tgt Ion: 75 Resp: 227836

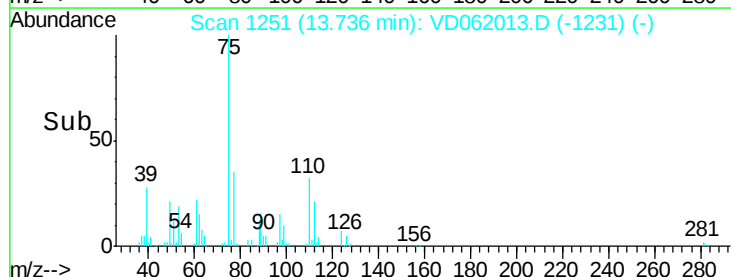
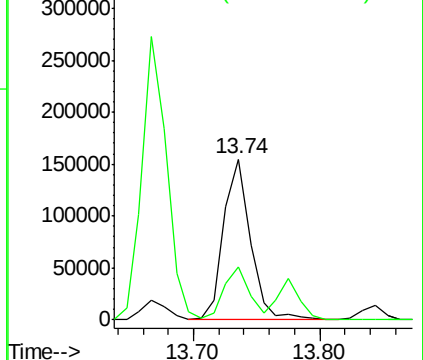
Ion Ratio Lower Upper

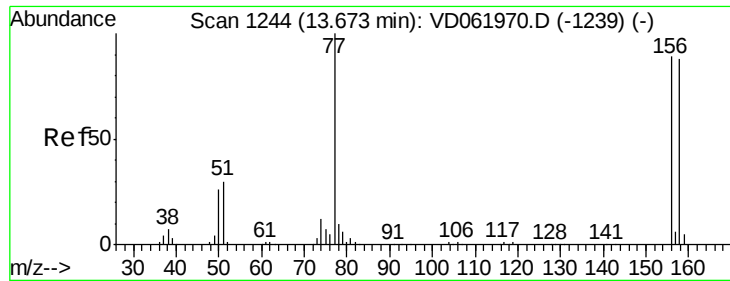
75 100

77 32.9 16.4 49.4



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





#77

Bromobenzene

Concen: 45.962 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

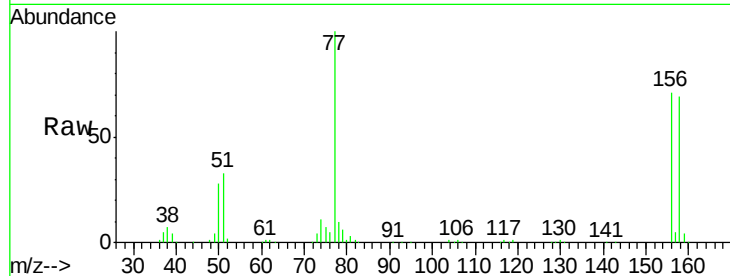
Tot Ion:156 Resp: 302271

Ion Ratio Lower Upper

156 100

77 140.4 53.1 159.4

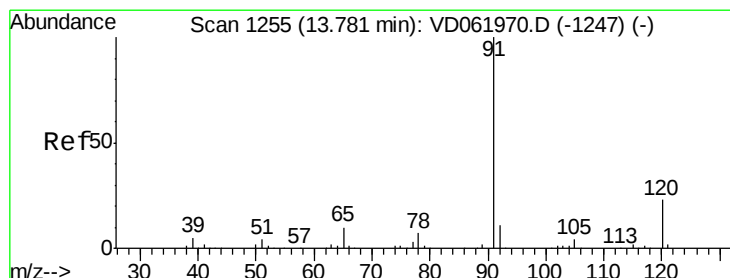
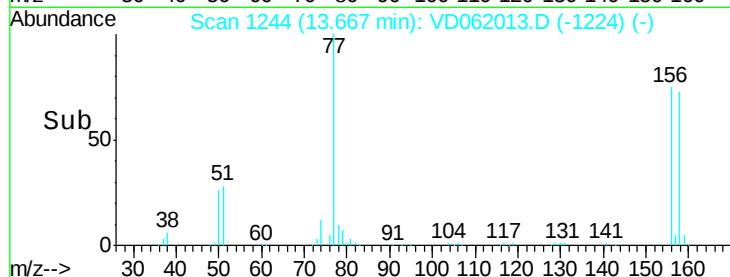
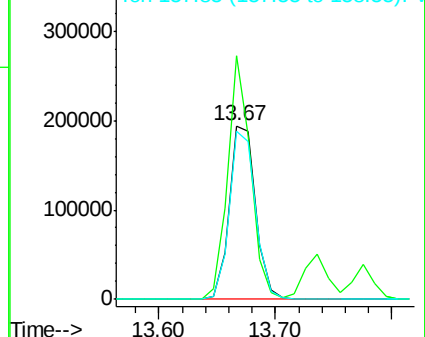
158 96.7 49.4 148.0



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: 46.349 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062013.D

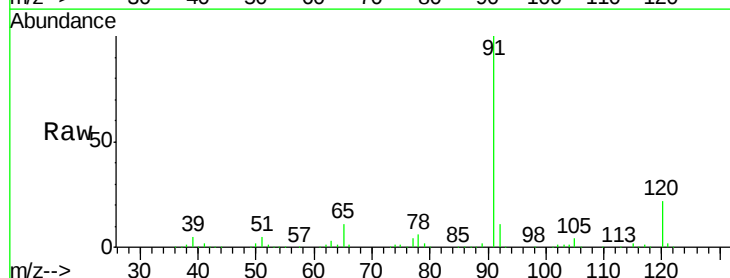
Acq: 25 Apr 2019 00:13

Tgt Ion: 91 Resp: 1216372

Ion Ratio Lower Upper

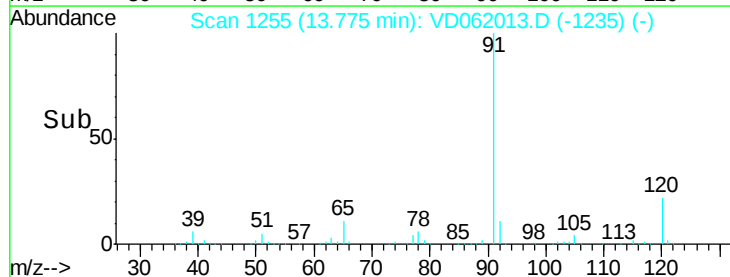
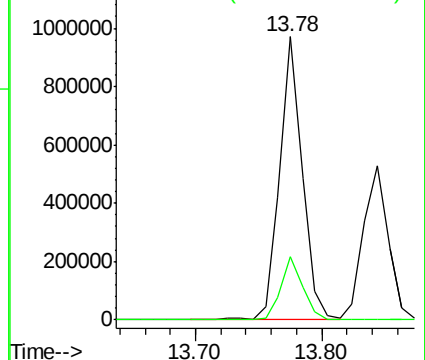
91 100

120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

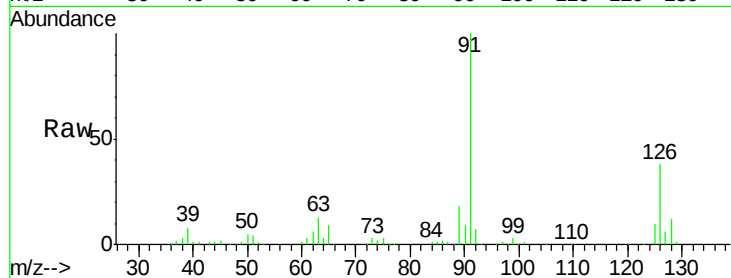




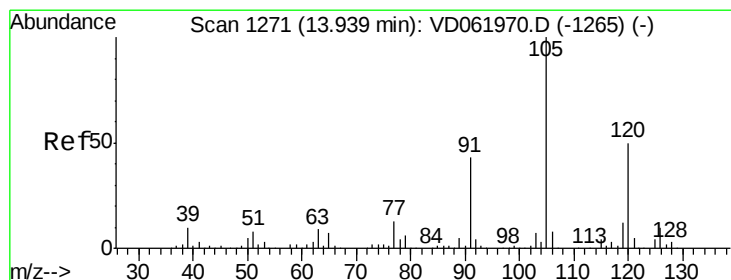
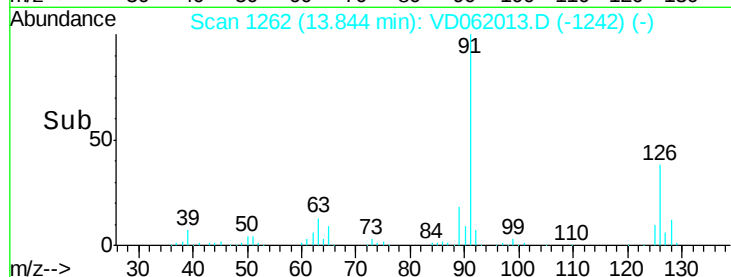
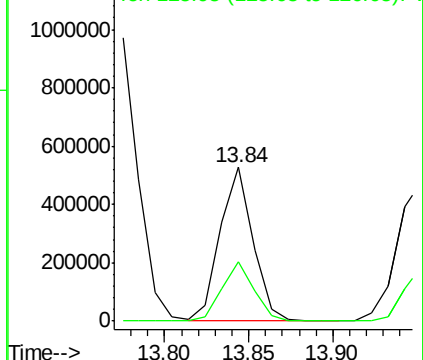
#79
 2-Chlorotoluene
 Concen: 44.986 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 715111
 Ion Ratio Lower Upper
 91 100
 126 38.3 18.6 55.8

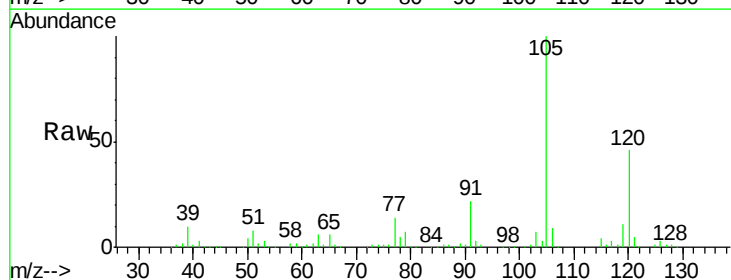


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

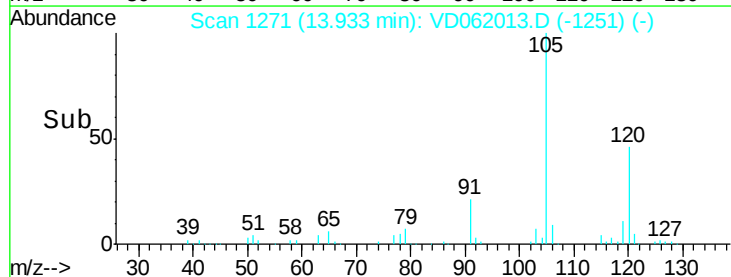
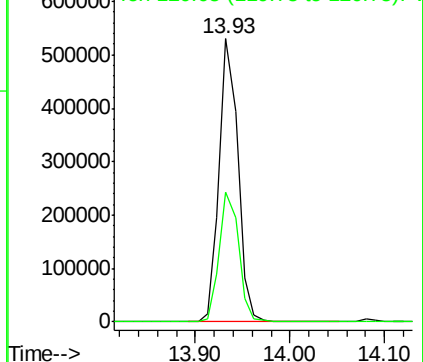


#80
 1,3,5-Trimethylbenzene
 Concen: 39.947 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:105 Resp: 730217
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

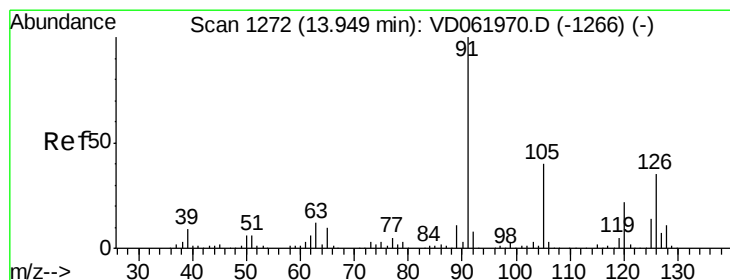
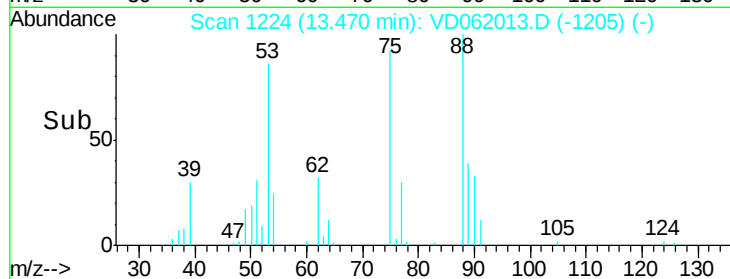
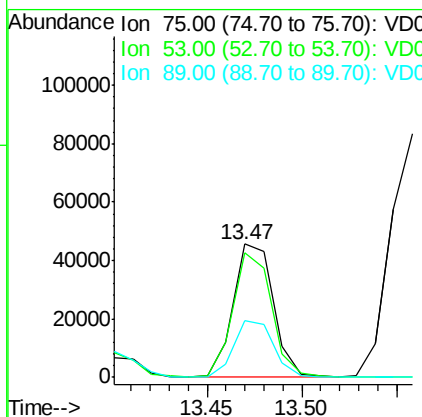
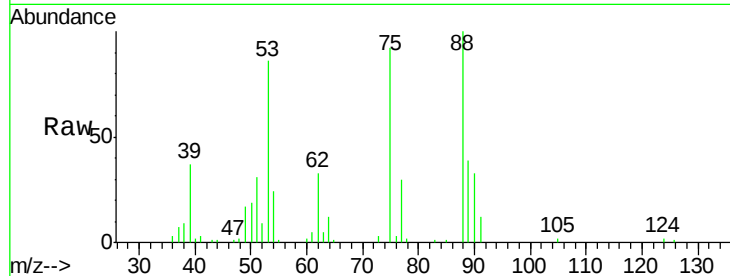




#81
trans-1,4-Dichloro-2-butene
Concen: 50.610 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

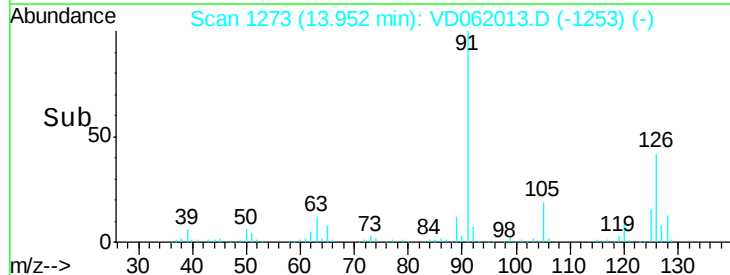
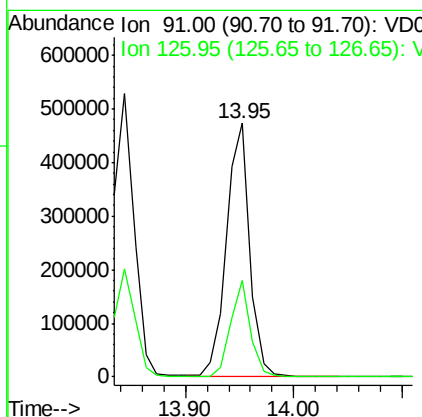
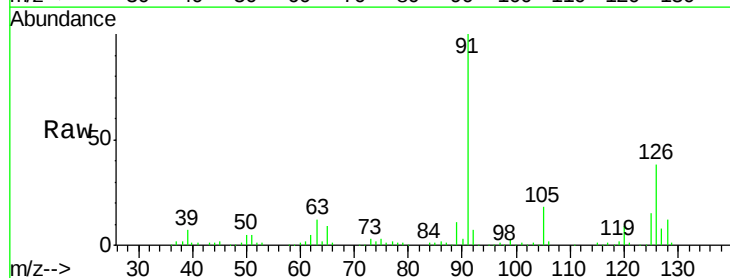
Instrument :
MSVOA_D
ClientSampleId :

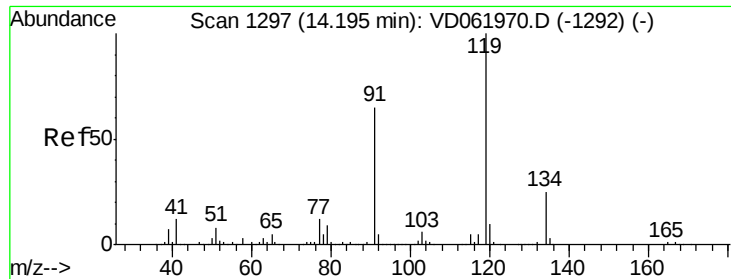
Tot Ion: 75 Resp: 66931
Ion Ratio Lower Upper
75 100
53 93.4 65.8 98.8
89 42.6 35.0 52.6



#82
4-Chlorotoluene
Concen: 40.263 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 91 Resp: 704854
Ion Ratio Lower Upper
91 100
126 37.8 19.1 57.5

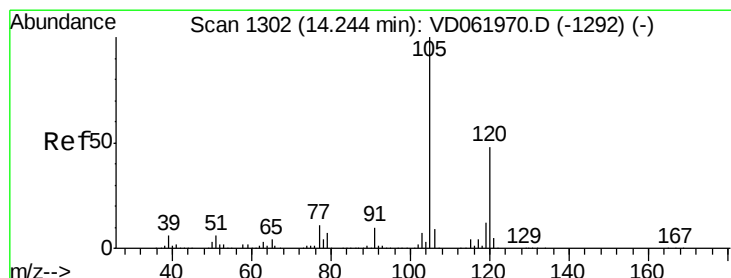
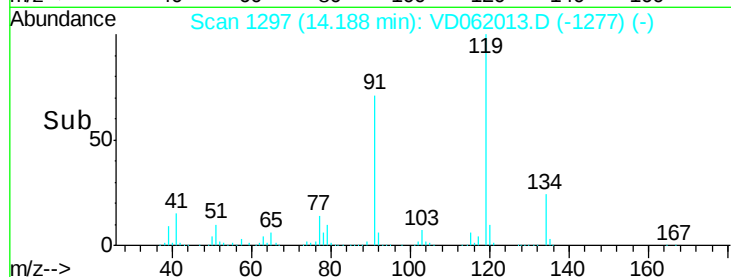
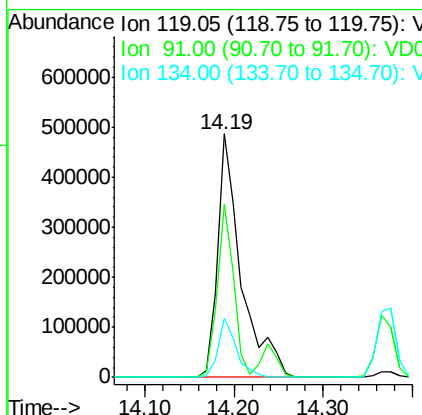
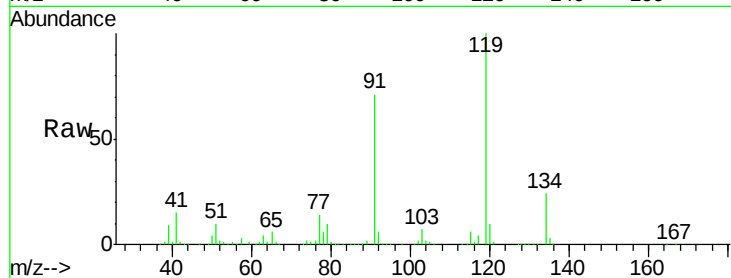




#83
tert-Butylbenzene
Concen: 42.291 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

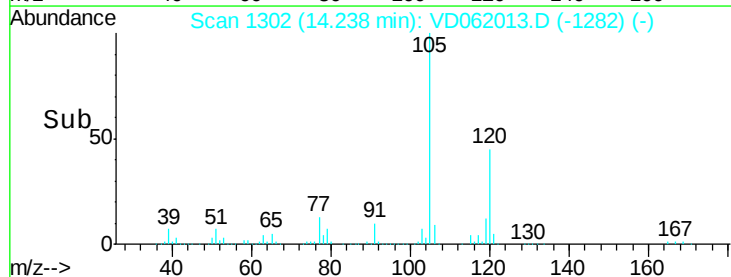
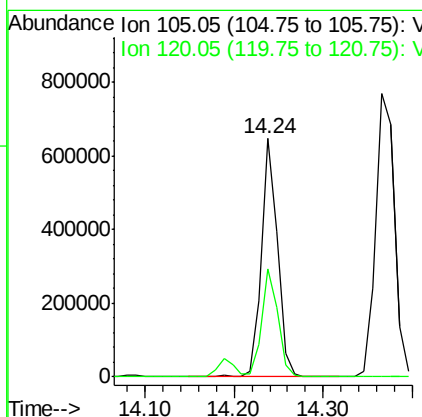
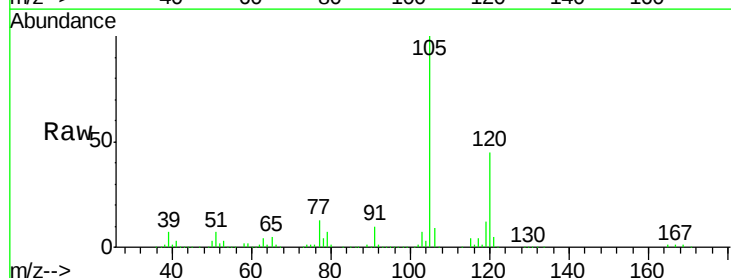
Instrument :
MSVOA_D
ClientSampled :

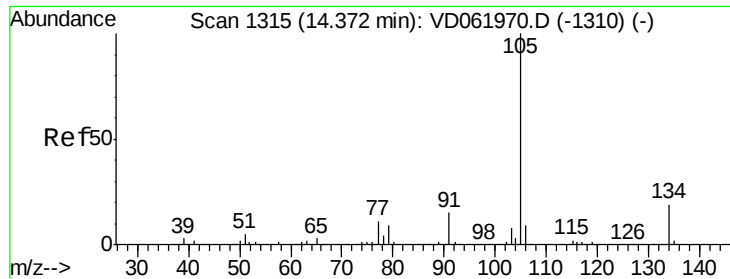
Tot Ion:119 Resp: 895545
Ion Ratio Lower Upper
119 100
91 71.3 34.2 102.6
134 24.3 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 45.827 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:105 Resp: 799878
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.2

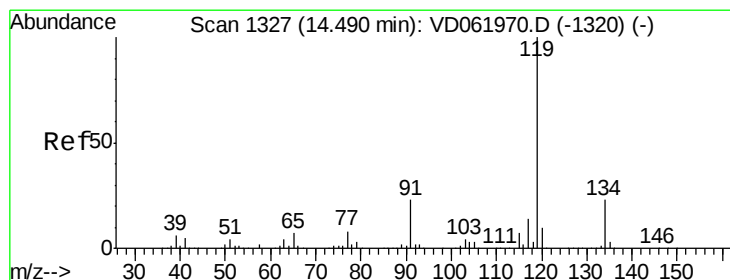
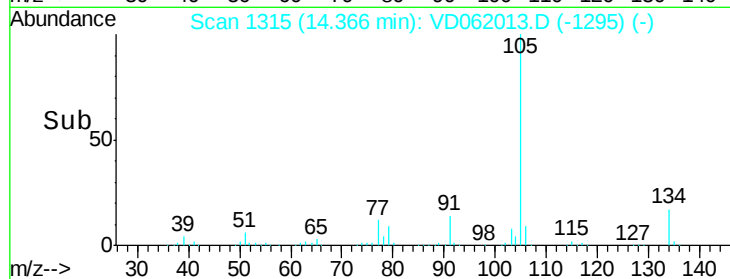
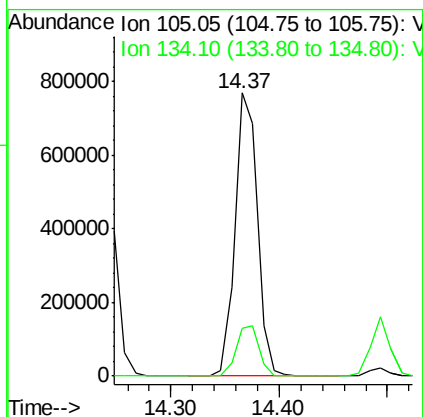
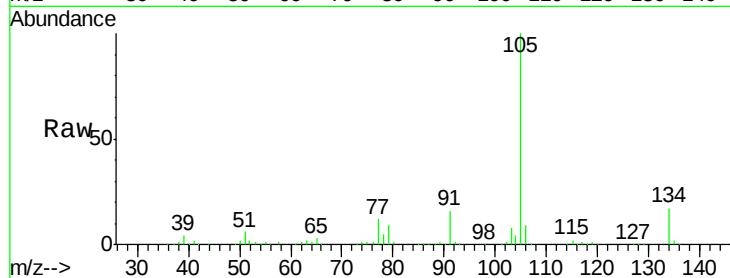




#85
 sec-Butylbenzene
 Concen: 48.261 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

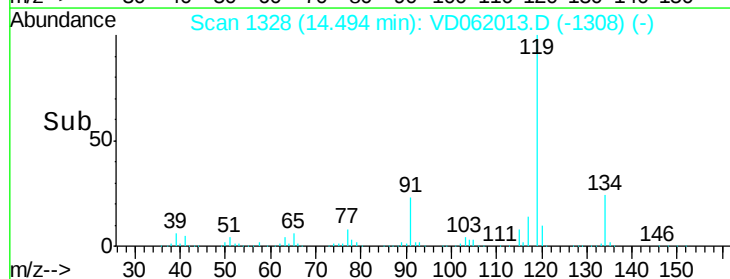
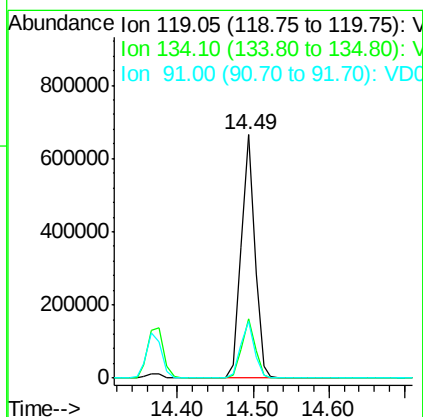
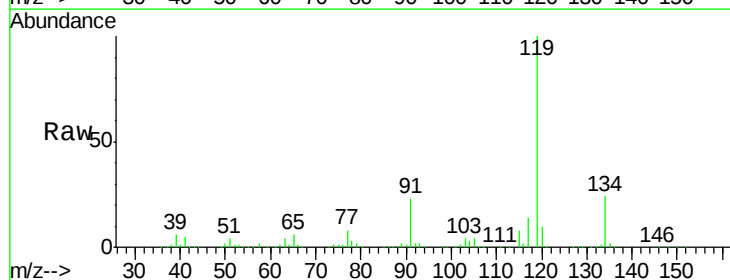
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 1104247
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 40.348 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:119 Resp: 826238
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 23.5 10.7 32.1

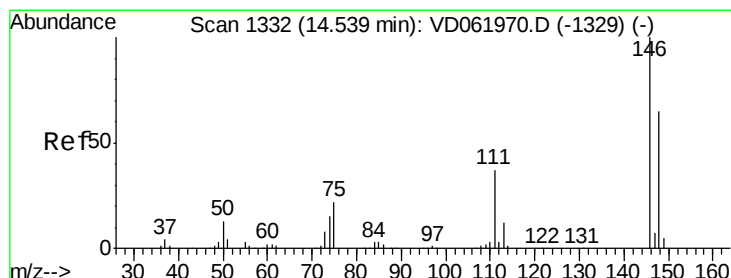
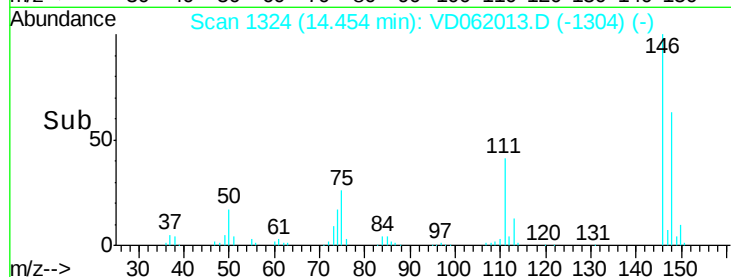
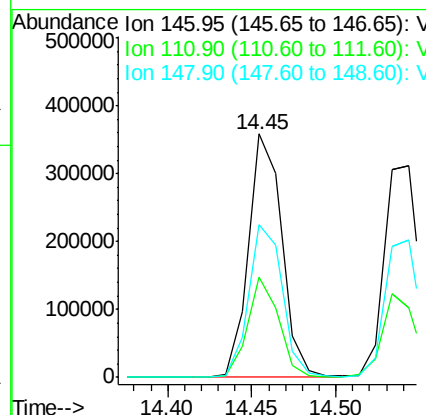
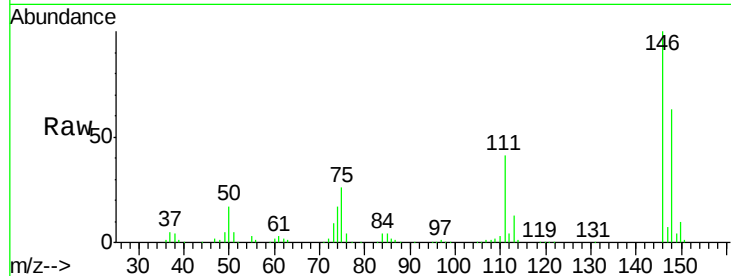




#87
 1,3-Dichlorobenzene
 Concen: 42.779 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

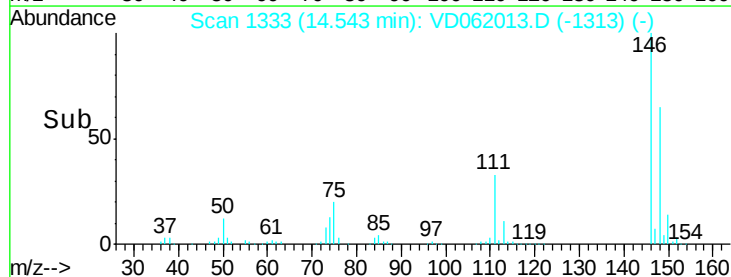
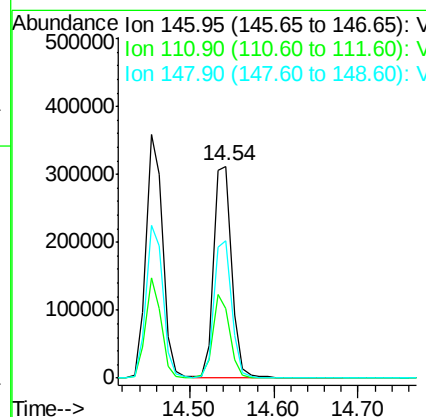
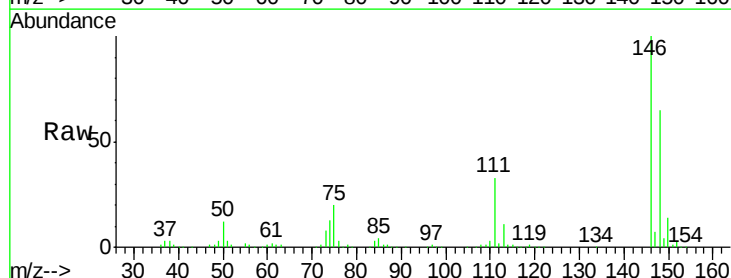
Instrument :
 MSVOA_D
 ClientSampleId :

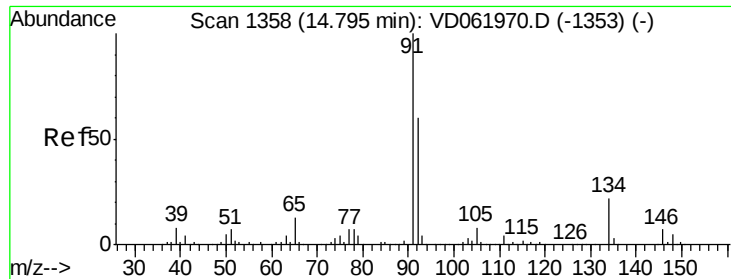
Tot Ion:146 Resp: 492676
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 62.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 42.899 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:146 Resp: 462031
 Ion Ratio Lower Upper
 146 100
 111 32.9 20.2 60.5
 148 64.6 32.0 96.2





#89

n-Butylbenzene

Concen: 43.135 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampled :

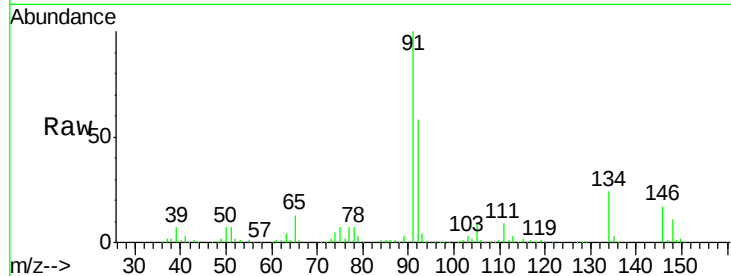
Tot Ion: 91 Resp: 793020

Ion Ratio Lower Upper

91 100

92 57.9 30.3 91.0

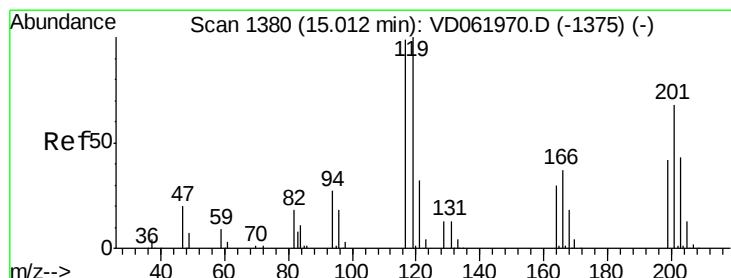
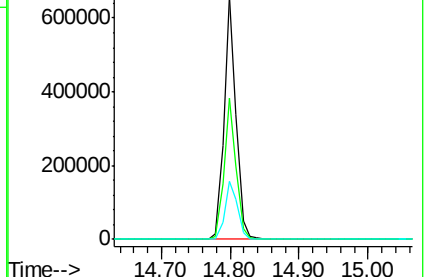
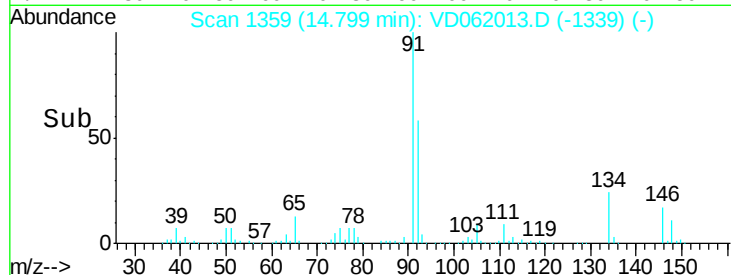
134 23.8 14.5 43.6



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: 44.582 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062013.D

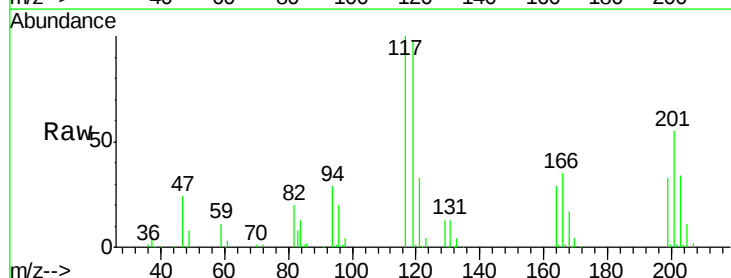
Acq: 25 Apr 2019 00:13

Tgt Ion: 117 Resp: 246864

Ion Ratio Lower Upper

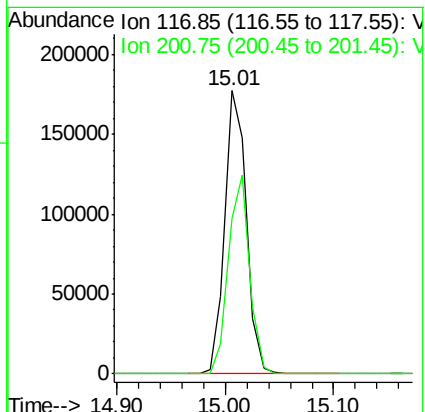
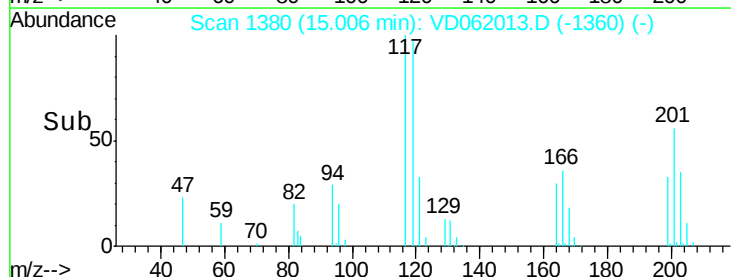
117 100

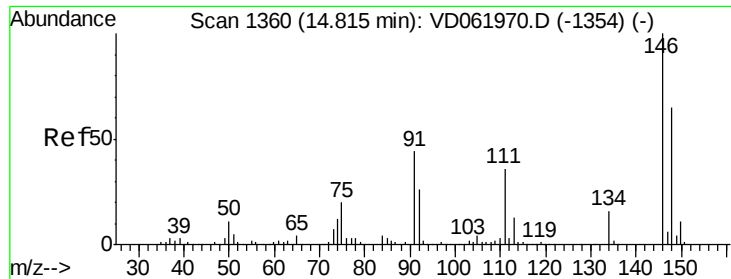
201 54.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

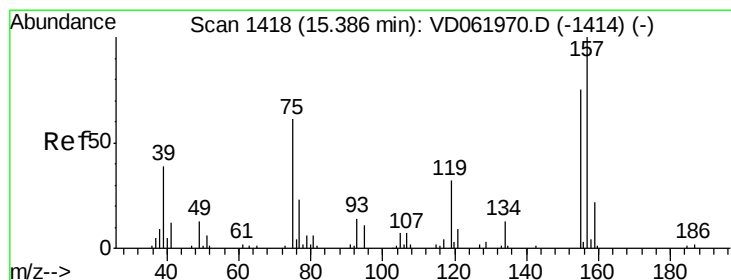
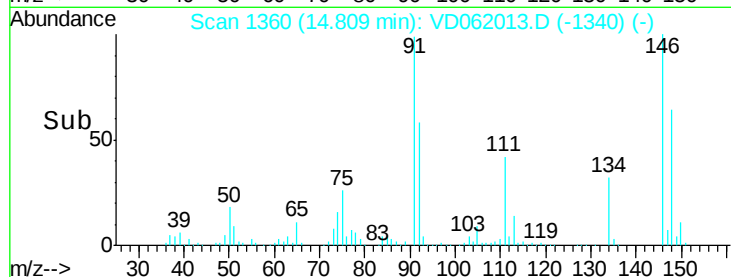
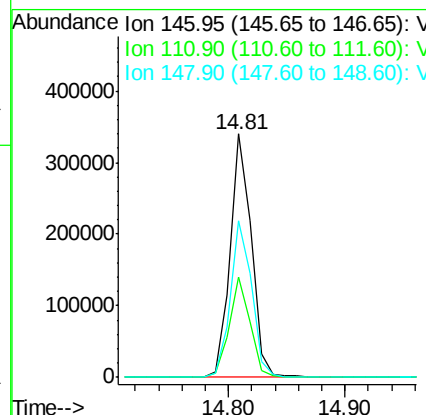
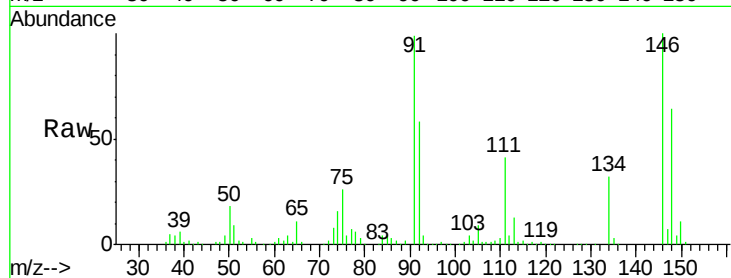




#91
 1,2-Dichlorobenzene
 Concen: 44.945 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

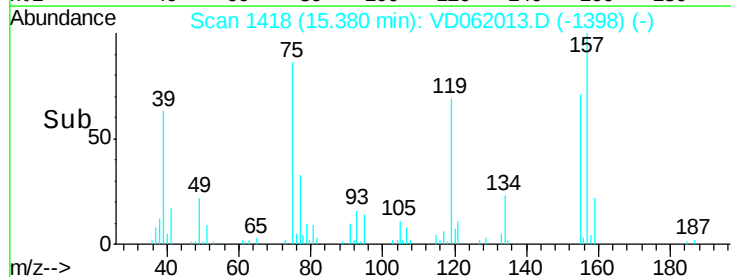
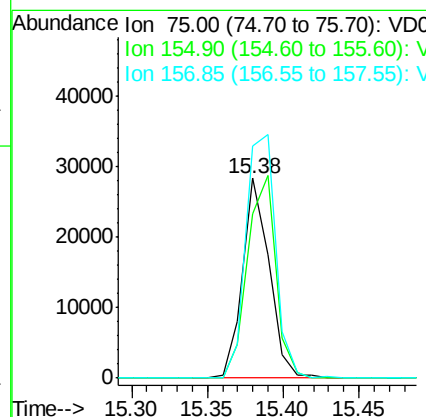
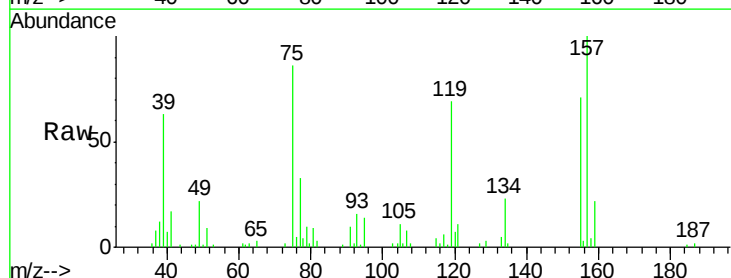
Instrument :
 MSVOA_D
 ClientSampled :

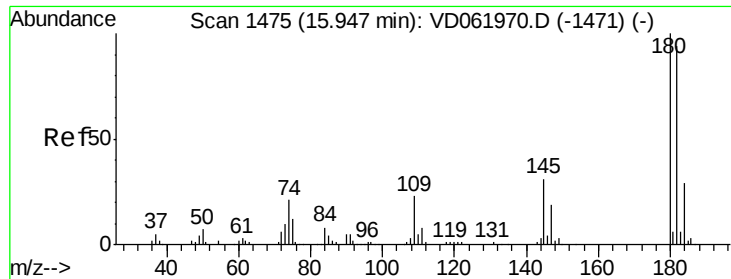
Tot Ion:146 Resp: 426977
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.794 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 75 Resp: 34444
 Ion Ratio Lower Upper
 75 100
 155 82.5 55.3 165.8
 157 116.4 67.8 203.2

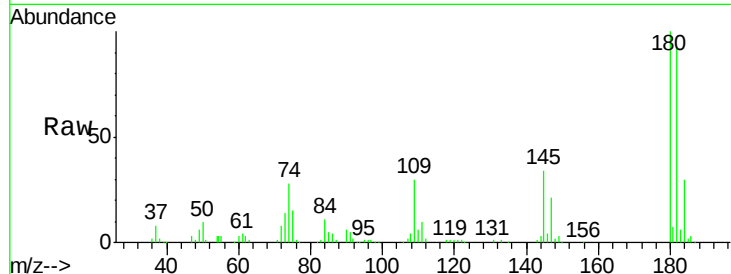




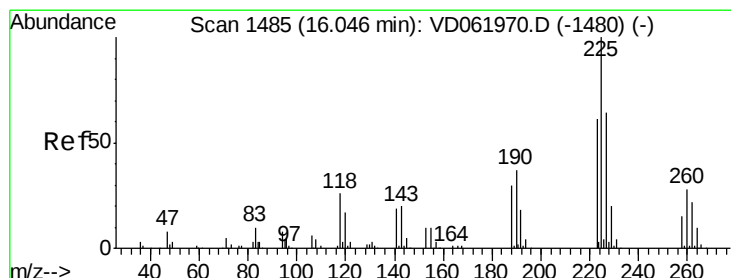
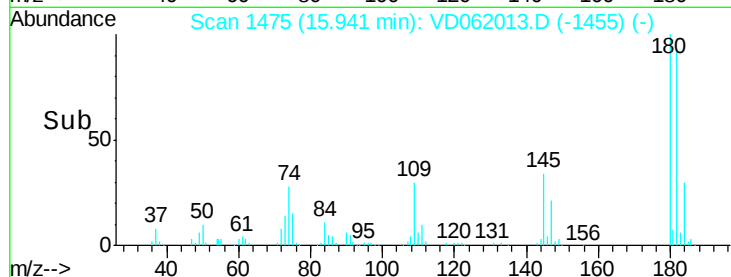
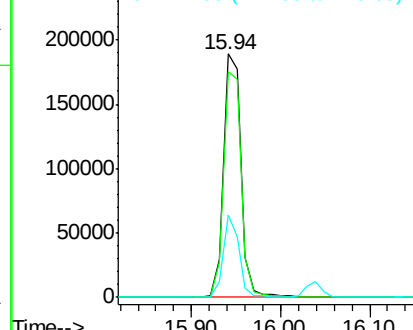
#93
 1,2,4-Trichlorobenzene
 Concen: 50.765 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	49.3	147.8
145	33.8	16.2	48.6

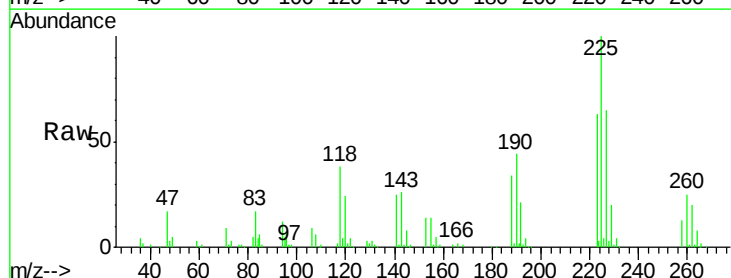


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

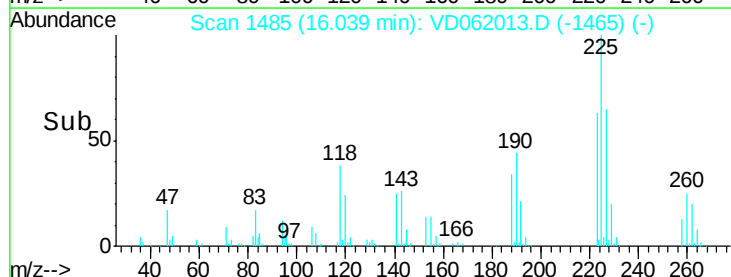
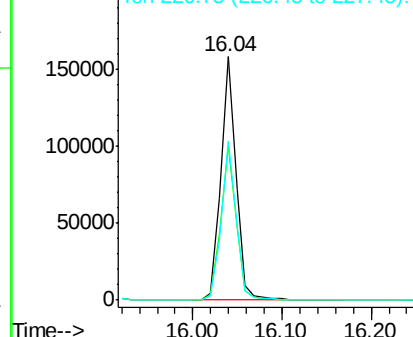


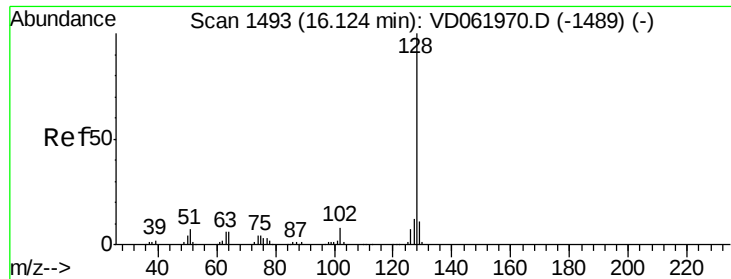
#94
 Hexachlorobutadiene
 Concen: 49.633 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.6	92.0
227	65.4	32.0	96.2



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

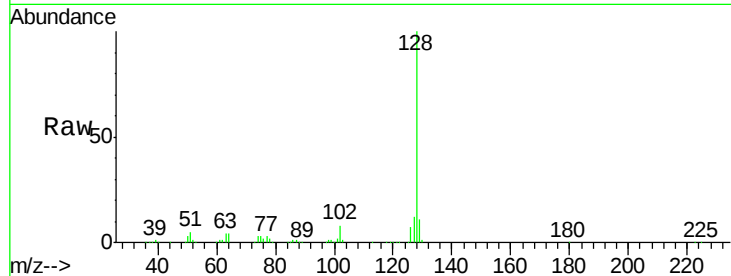




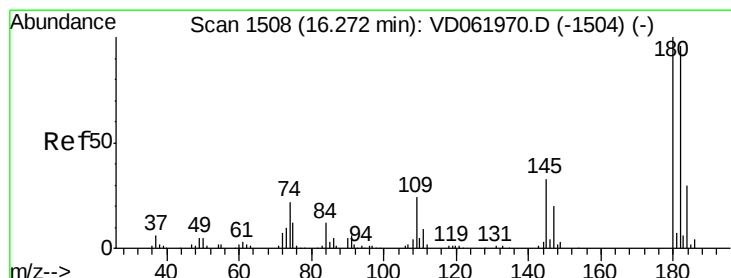
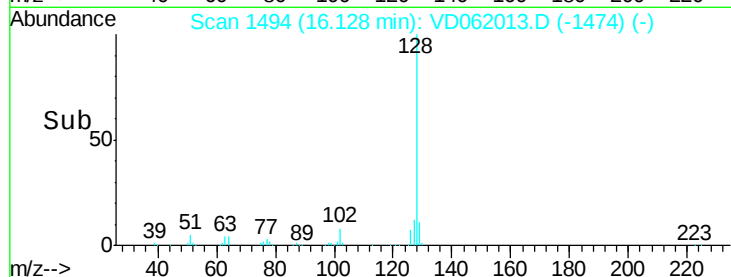
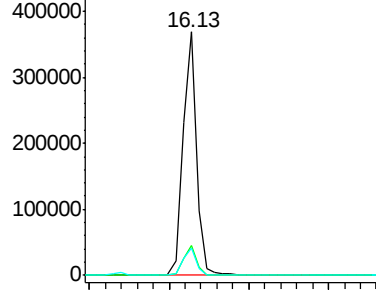
#95
Naphthalene
Concen: 53.449 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 442353
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.0 8.8 13.2

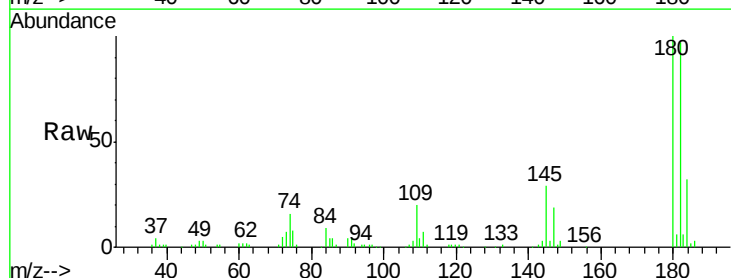


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 55.498 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:180 Resp: 161403
Ion Ratio Lower Upper
180 100
182 97.2 47.0 141.0
145 28.9 17.0 51.0



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

