

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061255.D
 Acq On : 22 Mar 2019 12:37
 Operator : VA/AP
 Sample : VD0322SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

Quant Time: Mar 22 23:26:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	670702	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	8.27	114	1085642	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.41	117	876988	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	14.54	152	341989	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.51	65	229385	41.09	ug/l	0.07
Spiked Amount	50.000		Recovery	=	82.18%	
35) Dibromofluoromethane	6.99	113	360403	44.73	ug/l	0.07
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	10.46	98	832017	41.12	ug/l	0.06
Spiked Amount	50.000		Recovery	=	82.24%	
62) 4-Bromofluorobenzene	13.59	95	339722	43.27	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	124274	18.705	ug/l	99
3) Chloromethane	1.79	50	98831	17.857	ug/l	100
4) Vinyl Chloride	1.88	62	93540	18.291	ug/l	99
5) Bromomethane	2.19	94	17031	16.153	ug/l	95
6) Chloroethane	2.30	64	29338	19.166	ug/l	97
7) Trichlorofluoromethane	2.57	101	132970	18.100	ug/l	100
8) Diethyl Ether	2.92	74	57344	23.661	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.20	101	159423	19.410	ug/l	95
10) Methyl Iodide	3.36	142	191864	18.901	ug/l	97
11) Tert butyl alcohol	4.13	59	36979	104.045	ug/l #	93
12) 1,1-Dichloroethene	3.18	96	129319	19.208	ug/l	93
13) Acrolein	3.08	56	27286	53.060	ug/l	97
14) Allyl chloride	3.67	41	187553	17.411	ug/l	94
15) Acrylonitrile	4.27	53	129873	103.390	ug/l	99
16) Acetone	3.27	43	161872	101.394	ug/l	100
17) Carbon Disulfide	3.43	76	362818	15.976	ug/l	99
18) Methyl Acetate	3.69	43	57211	18.210	ug/l	95
19) Methyl tert-butyl Ether	4.29	73	253524	21.487	ug/l	98
20) Methylene Chloride	3.87	84	179396	22.037	ug/l	94
21) trans-1,2-Dichloroethene	4.28	96	145320	19.942	ug/l	98
22) Diisopropyl ether	5.19	45	423022	18.917	ug/l	95
23) Vinyl Acetate	5.13	43	1161178	101.155	ug/l	100
24) 1,1-Dichloroethane	5.06	63	246197	20.095	ug/l	99
25) 2-Butanone	6.14	43	206918	114.222	ug/l	99
26) 2,2-Dichloropropane	6.10	77	210869	22.047	ug/l	99
27) cis-1,2-Dichloroethene	6.11	96	172615	22.326	ug/l	94
28) Bromochloromethane	6.50	49	82421	15.891	ug/l	98
29) Tetrahydrofuran	6.52	42	94467	96.036	ug/l	95
30) Chloroform	6.74	83	260228	20.494	ug/l	98
31) Cyclohexane	7.02	56	192264	19.462	ug/l	99
32) 1,1,1-Trichloroethane	6.93	97	220386	20.075	ug/l	97
36) 1,1-Dichloropropene	7.21	75	191830	20.499	ug/l	99
37) Ethyl Acetate	6.24	43	91409	20.815	ug/l	98
38) Carbon Tetrachloride	7.18	117	222616	21.596	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	187544	19.327	ug/l	96
40) Benzene	7.52	78	455435	19.477	ug/l	98
41) Methacrylonitrile	6.51	41	100642	19.925	ug/l	98
42) 1,2-Dichloroethane	7.64	62	144117	21.238	ug/l	100
43) Isopropyl Acetate	9.29	43	127083	20.894	ug/l #	95
44) Trichloroethene	8.60	130	176719	21.906	ug/l	99
45) 1,2-Dichloropropane	8.99	63	114151	18.581	ug/l	98
46) Dibromomethane	9.12	93	80049	20.542	ug/l	97
47) Bromodichloromethane	9.43	83	184836	21.019	ug/l	99
48) Methyl methacrylate	9.17	41	70744	20.658	ug/l	96
49) 1,4-Dioxane	9.13	88	16115	465.371	ug/l	91
51) 4-Methyl-2-Pentanone	10.35	43	391313	105.018	ug/l	95
52) Toluene	10.56	92	319922	22.002	ug/l	97
53) t-1,3-Dichloropropene	10.96	75	164994	20.519	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	204780	21.196	ug/l	94
55) 1,1,2-Trichloroethane	11.24	97	107559	22.212	ug/l	98
56) Ethyl methacrylate	11.09	69	98812	19.495	ug/l	95
57) 1,3-Dichloropropane	11.45	76	154242	21.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.91	63	273429	101.915	ug/l	98
59) 2-Hexanone	11.57	43	286916	105.265	ug/l	95
60) Dibromochloromethane	11.73	129	153238	21.502	ug/l	100
61) 1,2-Dibromoethane	11.85	107	116600	20.699	ug/l	95
64) Tetrachloroethene	11.30	164	132020	22.300	ug/l	96
65) Chlorobenzene	12.44	112	385658	22.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	141388	23.071	ug/l	98
67) Ethyl Benzene	12.55	91	559706	21.867	ug/l	99
68) m/p-Xylenes	12.70	106	421246	41.931	ug/l	94
69) o-Xylene	13.08	106	202697	20.526	ug/l	97
70) Styrene	13.11	104	341314	21.167	ug/l	97
71) Bromoform	13.26	173	86895	21.980	ug/l	93
73) Isopropylbenzene	13.43	105	569466	23.105	ug/l	97
74) N-amyl acetate	13.29	43	149863	21.595	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.73	83	104473	21.726	ug/l	97
76) 1,2,3-Trichloropropane	13.76	75	116883	23.756	ug/l	98
77) Bromobenzene	13.70	156	149431	23.751	ug/l	91
78) n-propylbenzene	13.80	91	668465	23.168	ug/l	96
79) 2-Chlorotoluene	13.86	91	351385	22.121	ug/l	97
80) 1,3,5-Trimethylbenzene	14.27	105	480943	25.704	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.50	75	33204	22.891	ug/l	94
82) 4-Chlorotoluene	13.97	91	389736	20.754	ug/l	94
83) tert-Butylbenzene	14.22	119	573471	28.006	ug/l	99
84) 1,2,4-Trimethylbenzene	14.27	105	480943	25.704	ug/l	96
85) sec-Butylbenzene	14.40	105	590804	23.634	ug/l	100
86) p-Isopropyltoluene	14.51	119	462982	22.658	ug/l	99
87) 1,3-Dichlorobenzene	14.48	146	276817	24.640	ug/l	99
88) 1,4-Dichlorobenzene	14.56	146	236082	21.384	ug/l	100
89) n-Butylbenzene	14.82	91	434670	22.152	ug/l	99
90) Hexachloroethane	15.03	117	134366	23.288	ug/l	93
91) 1,2-Dichlorobenzene	14.84	146	231802	24.750	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.41	75	14287	24.655	ug/l	94

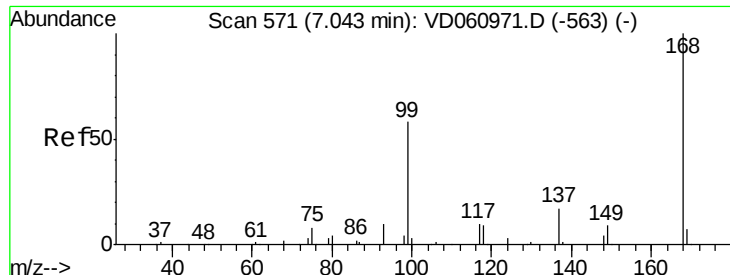
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061255.D
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	104207	23.985	ug/l	95
94) Hexachlorobutadiene	16.06	225	79365	24.150	ug/l	97
95) Naphthalene	16.15	128	152659	23.122	ug/l	98
96) 1,2,3-Trichlorobenzene	16.30	180	45139	21.035	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

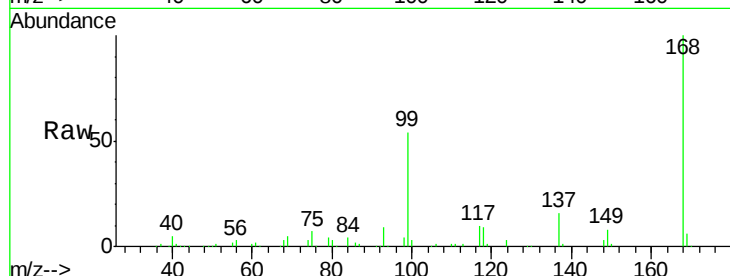
VD0322SBS01

Tot Ion:168 Resp: 670702

Ion Ratio Lower Upper

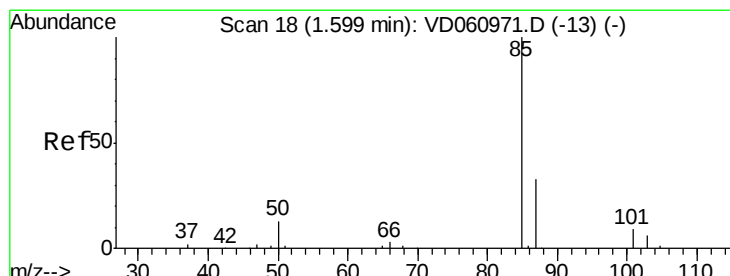
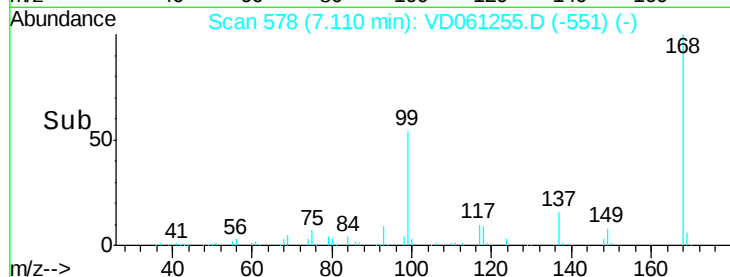
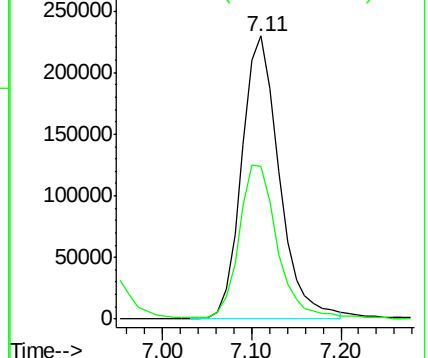
168 100

99 54.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.705 ug/l

RT: 1.61 min Scan# 19

Delta R.T. 0.01 min

Lab File: VD061255.D

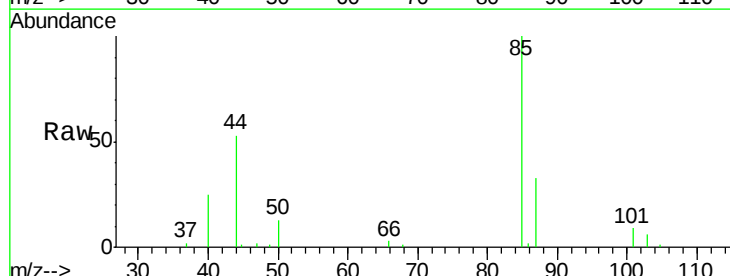
Acq: 22 Mar 2019 12:37

Tgt Ion: 85 Resp: 124274

Ion Ratio Lower Upper

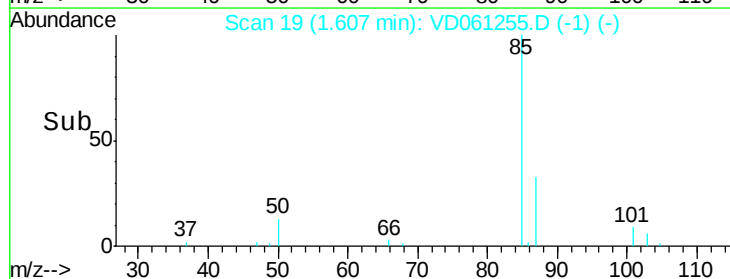
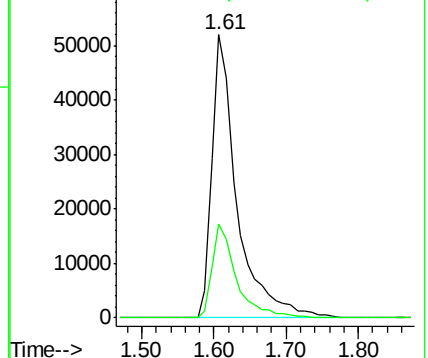
85 100

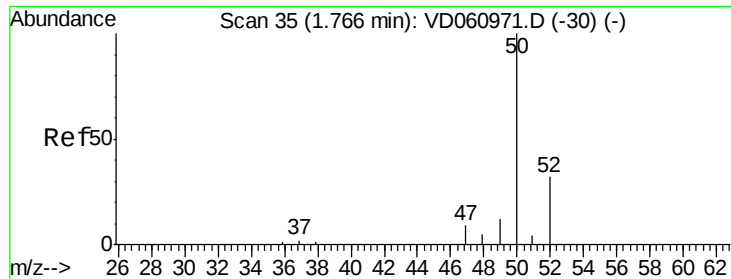
87 33.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.857 ug/l

RT: 1.79 min Scan# 38

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

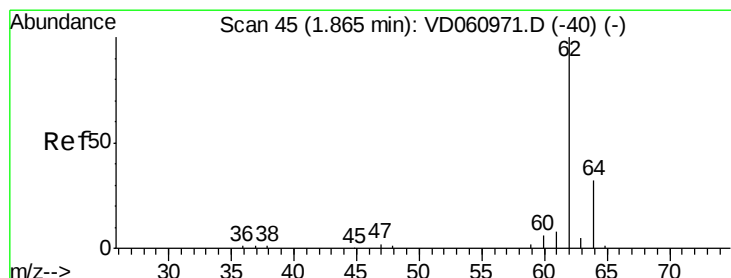
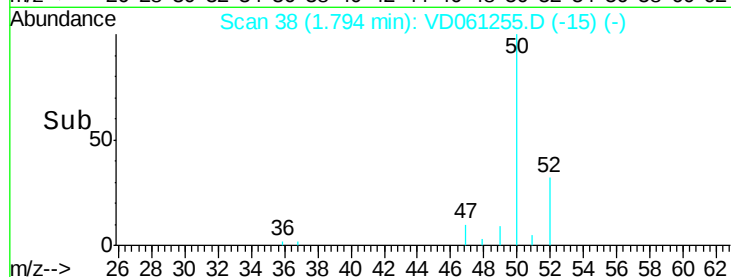
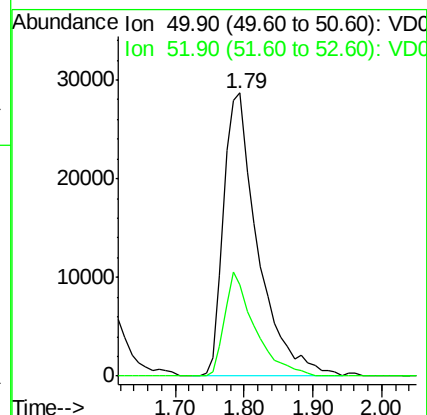
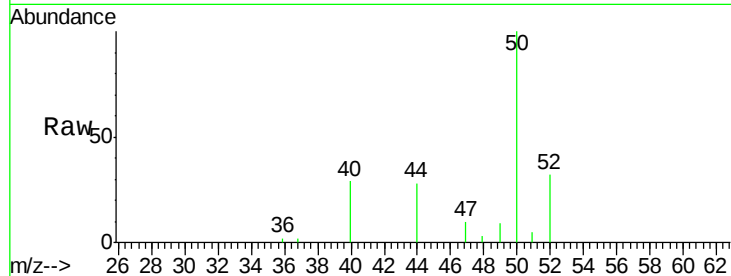
VD0322SBS01

Tot Ion: 50 Resp: 98831

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8



#4

Vinyl Chloride

Concen: 18.291 ug/l

RT: 1.88 min Scan# 47

Delta R.T. 0.02 min

Lab File: VD061255.D

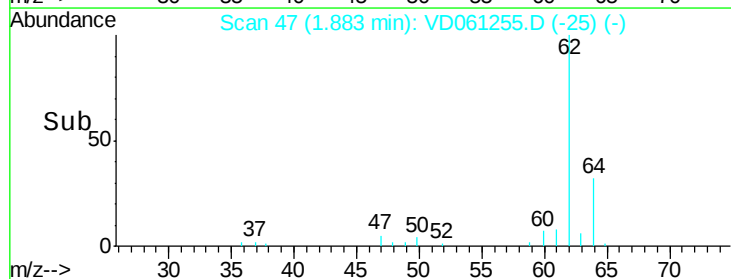
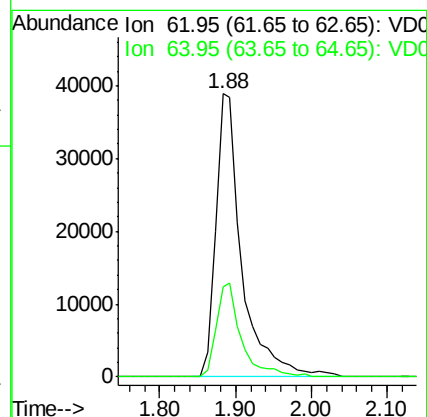
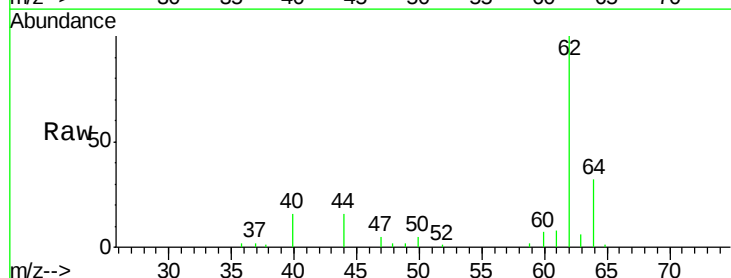
Acq: 22 Mar 2019 12:37

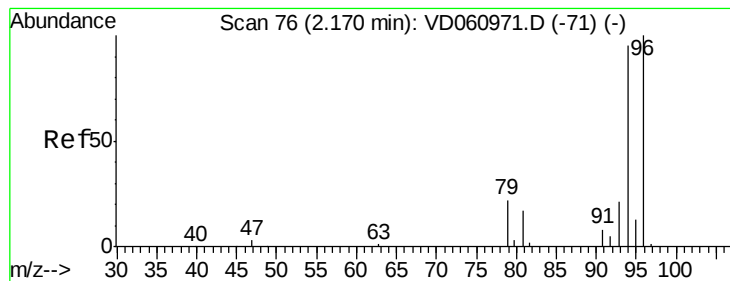
Tgt Ion: 62 Resp: 93540

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 16.153 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

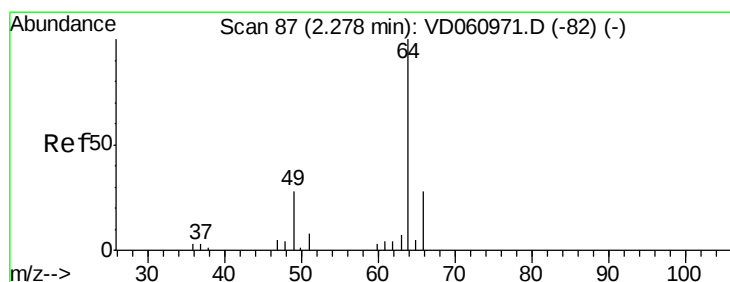
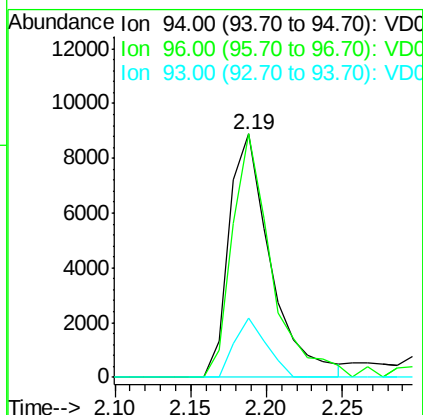
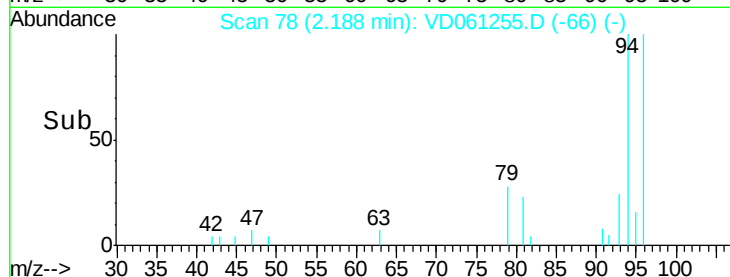
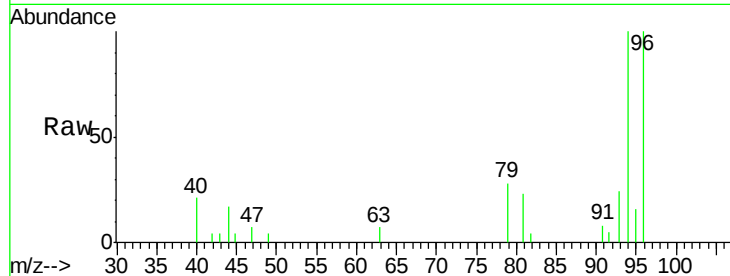
Tot Ion: 94 Resp: 17031

Ion Ratio Lower Upper

94 100

96 100.0 84.0 126.0

93 24.1 17.3 25.9



#6

Chloroethane

Concen: 19.166 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.02 min

Lab File: VD061255.D

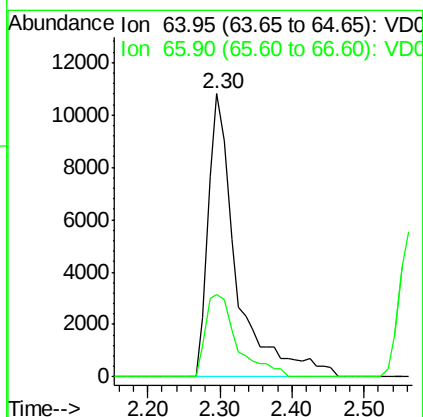
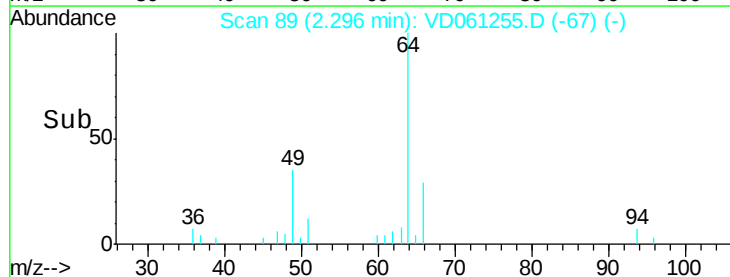
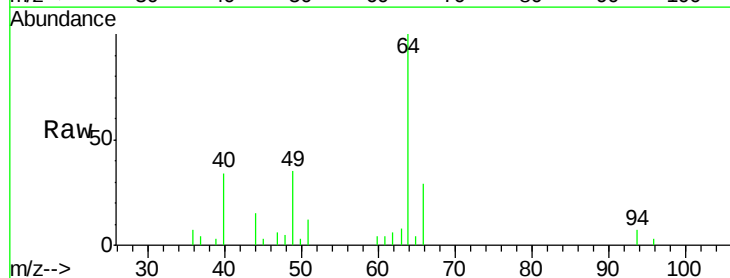
Acq: 22 Mar 2019 12:37

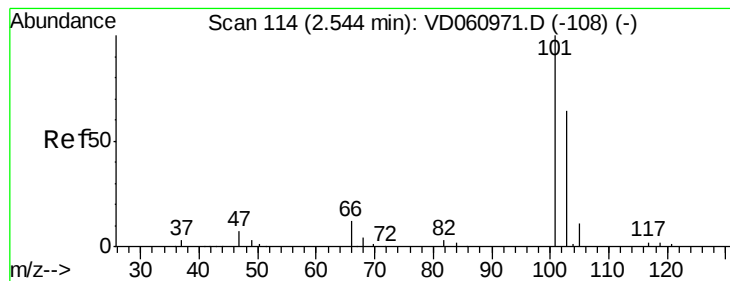
Tgt Ion: 64 Resp: 29338

Ion Ratio Lower Upper

64 100

66 29.1 22.2 33.2



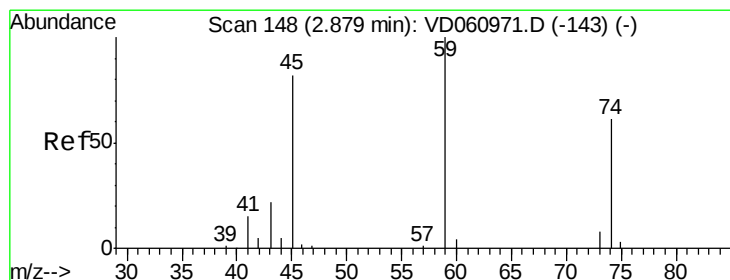
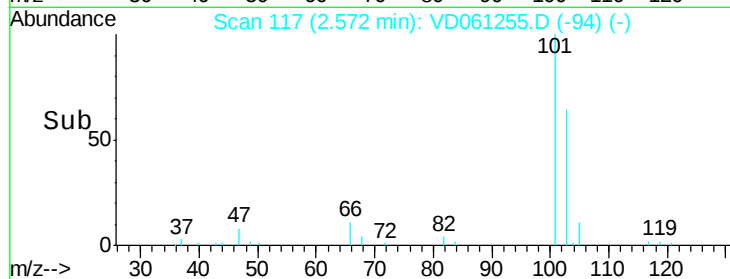
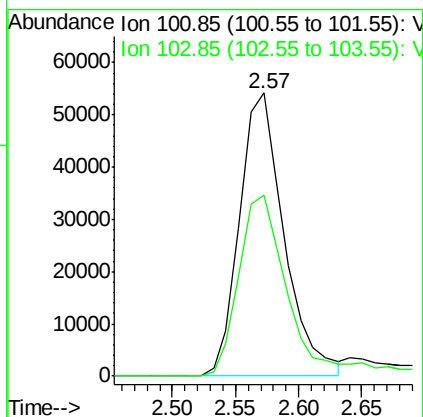
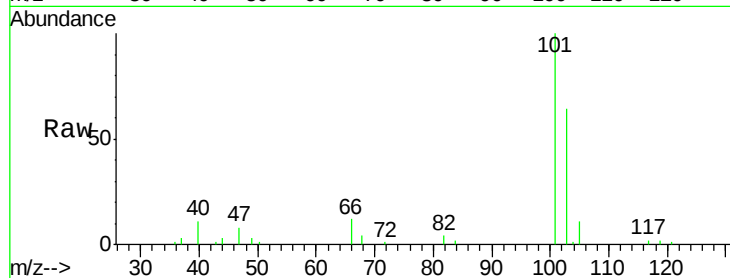


#7

Trichlorofluoromethane
 Concen: 18.100 ug/l
 RT: 2.57 min Scan# 117
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

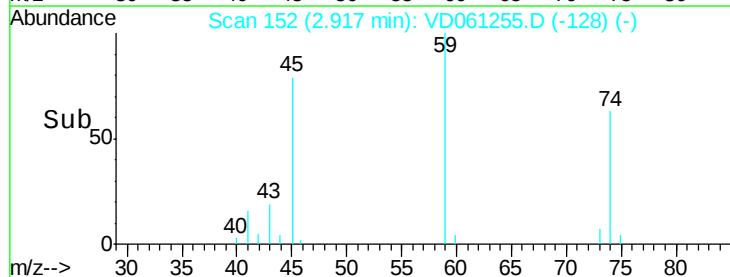
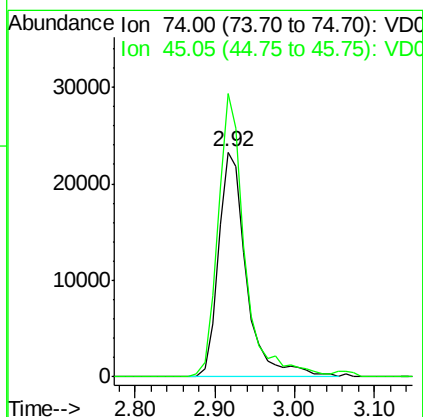
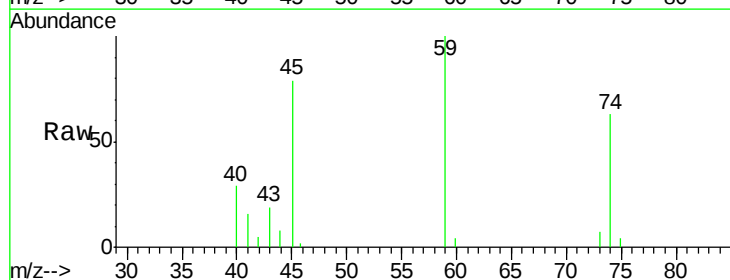
Tot Ion:101 Resp: 132970
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

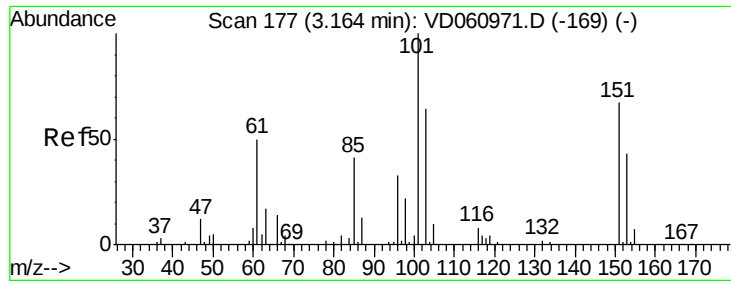


#8

Diethyl Ether
 Concen: 23.661 ug/l
 RT: 2.92 min Scan# 152
 Delta R.T. 0.04 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 74 Resp: 57344
 Ion Ratio Lower Upper
 74 100
 45 125.8 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.410 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

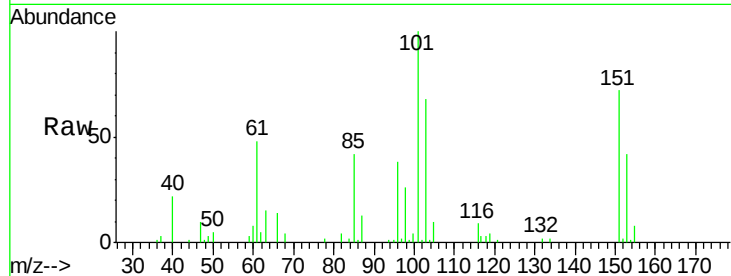
Tot Ion:101 Resp: 159423

Ion Ratio Lower Upper

101 100

85 41.6 32.5 48.7

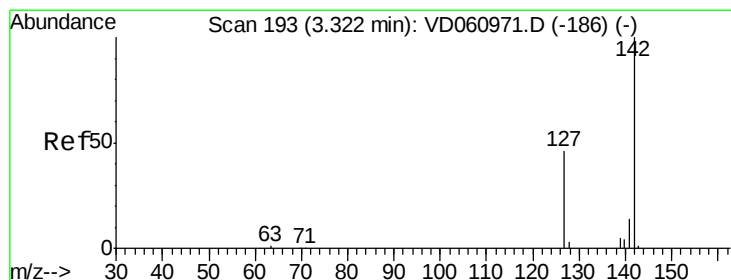
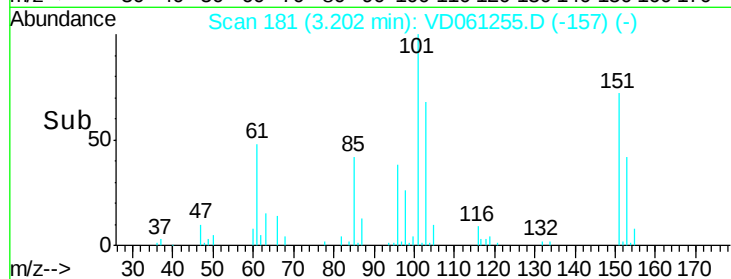
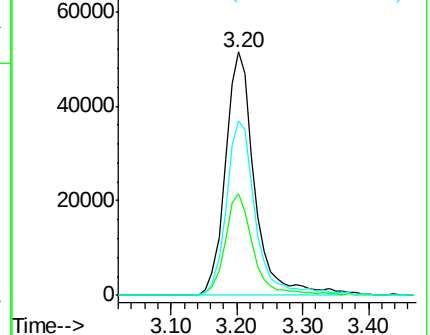
151 71.9 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.901 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

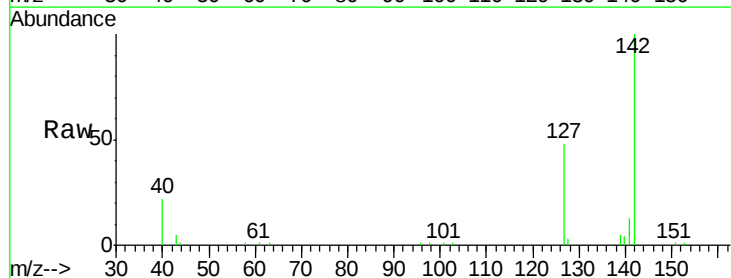
Tgt Ion:142 Resp: 191864

Ion Ratio Lower Upper

142 100

127 47.6 36.8 55.2

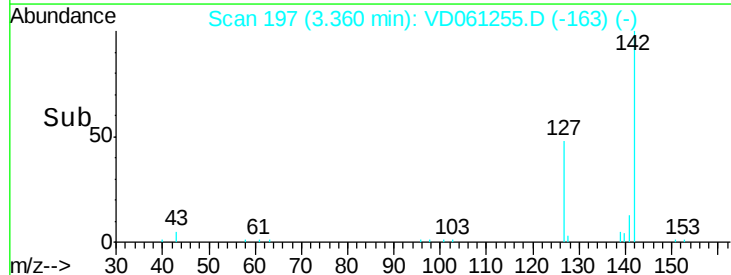
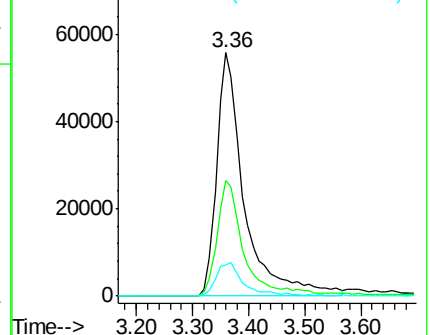
141 12.6 11.2 16.8

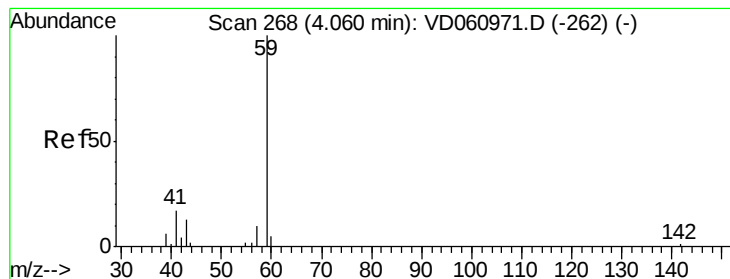


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



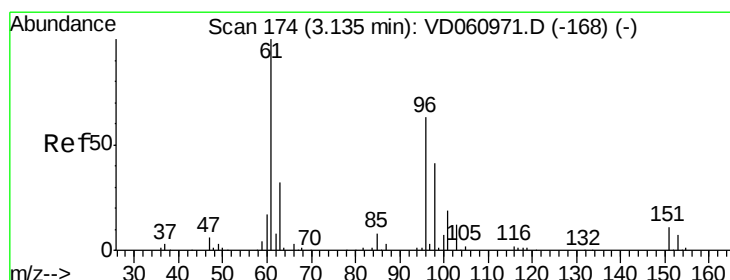
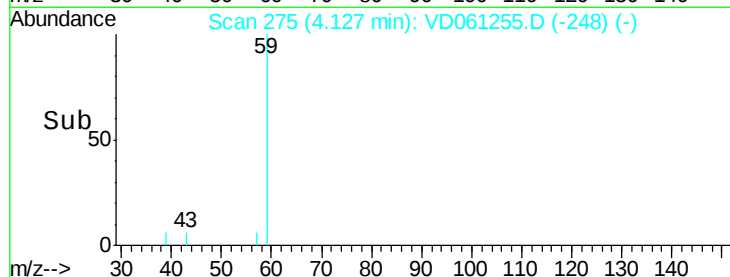
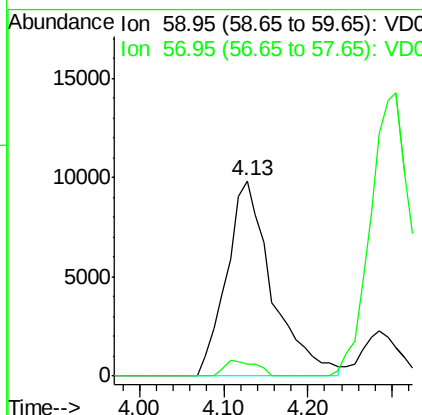
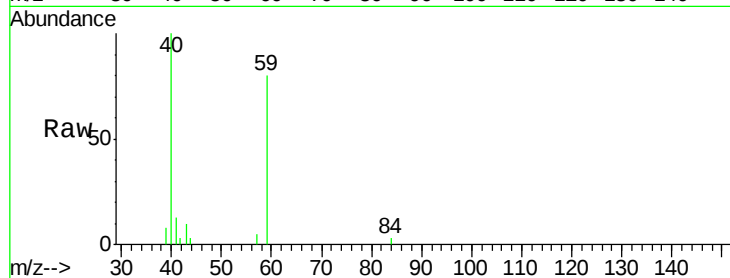


#11

Tert butyl alcohol
 Concen: 104.045 ug/l
 RT: 4.13 min Scan# 275
 Delta R.T. 0.07 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

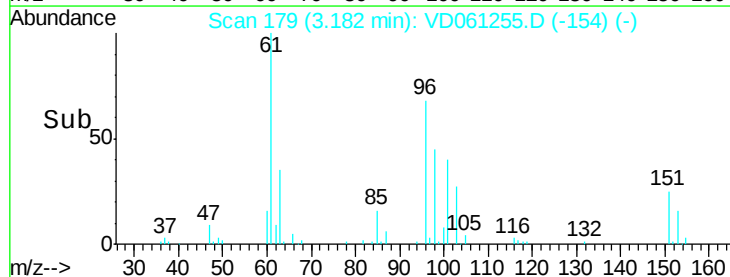
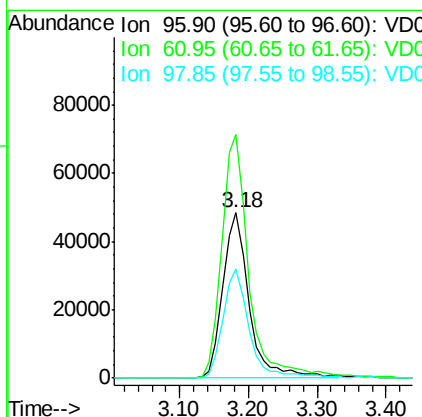
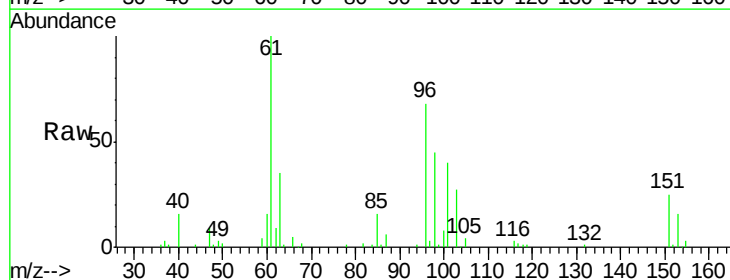
Tot Ion: 59 Resp: 36979
 Ion Ratio Lower Upper
 59 100
 57 6.4 7.1 10.7#

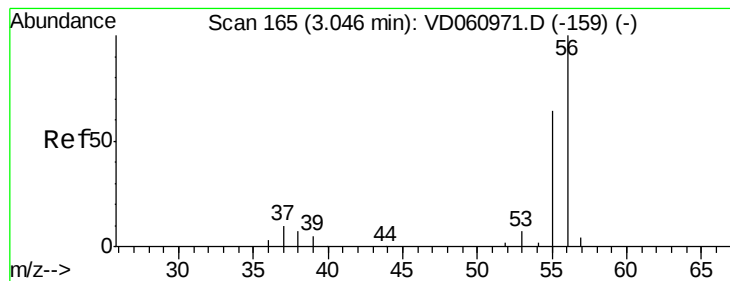


#12

1,1-Dichloroethene
 Concen: 19.208 ug/l
 RT: 3.18 min Scan# 179
 Delta R.T. 0.05 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 96 Resp: 129319
 Ion Ratio Lower Upper
 96 100
 61 147.5 127.1 190.7
 98 66.4 51.5 77.3





#13

Acrolein

Concen: 53.060 ug/l

RT: 3.08 min Scan# 169

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

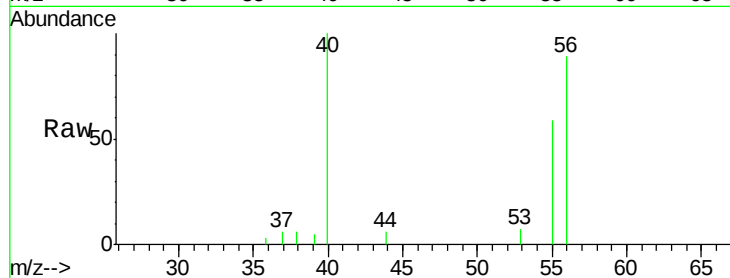
VD0322SBS01

Tot Ion: 56 Resp: 27286

Ion Ratio Lower Upper

56 100

55 66.1 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.08

12000

10000

8000

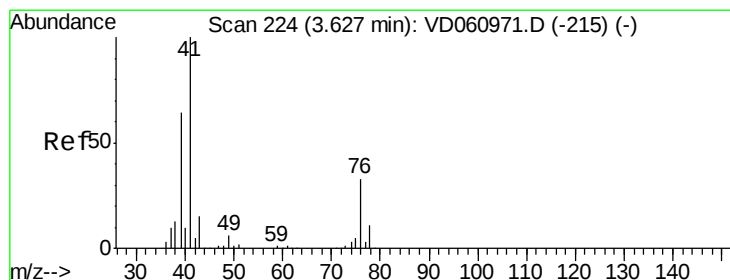
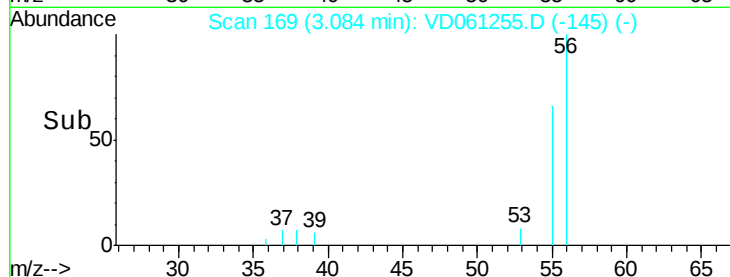
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 17.411 ug/l

RT: 3.67 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

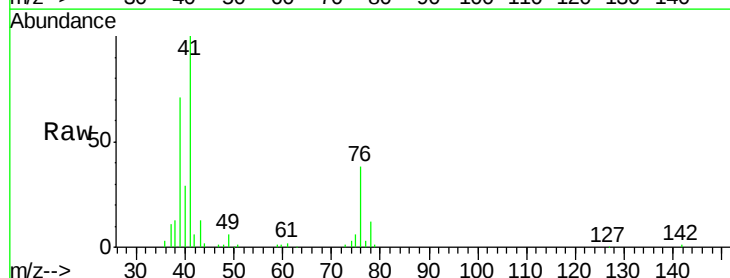
Tgt Ion: 41 Resp: 187553

Ion Ratio Lower Upper

41 100

39 70.6 51.1 76.7

76 37.9 29.1 43.7



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

3.67

80000

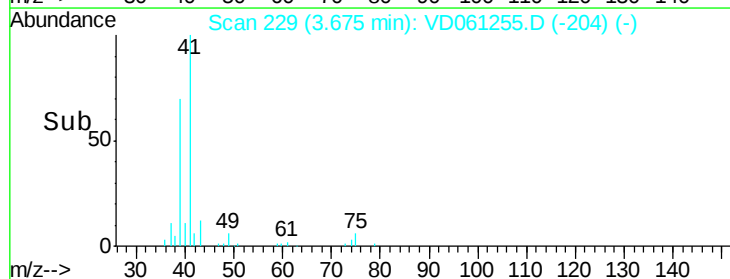
60000

40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.390 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

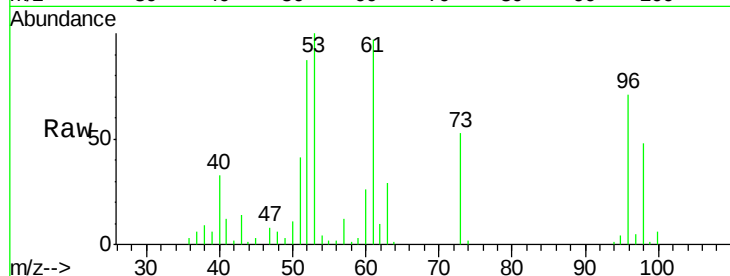
Tot Ion: 53 Resp: 129873

Ion Ratio Lower Upper

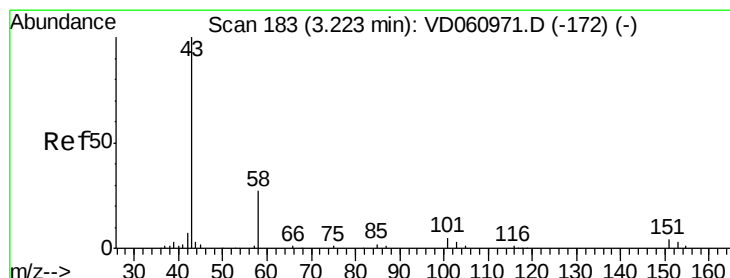
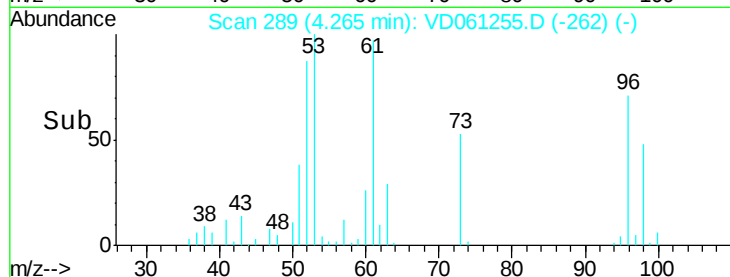
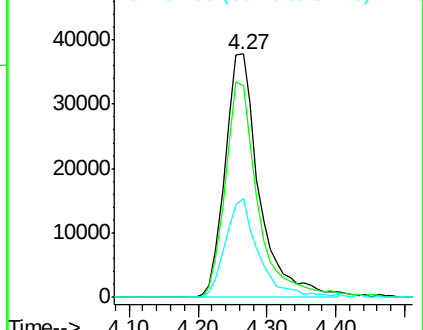
53 100

52 86.7 70.2 105.4

51 40.9 31.7 47.5



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



#16

Acetone

Concen: 101.394 ug/l

RT: 3.27 min Scan# 188

Delta R.T. 0.05 min

Lab File: VD061255.D

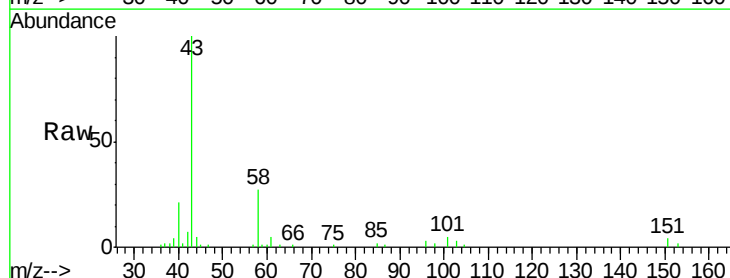
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 161872

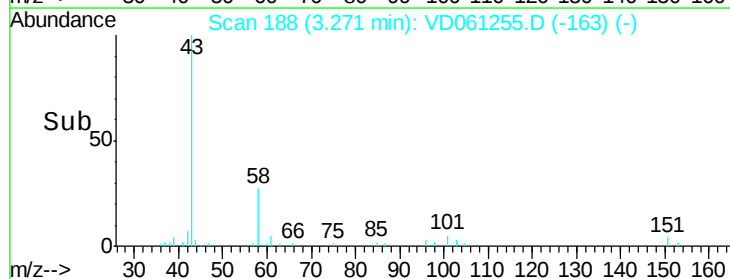
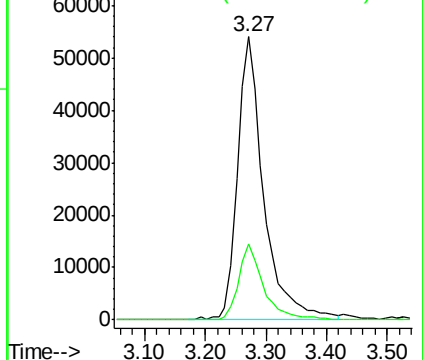
Ion Ratio Lower Upper

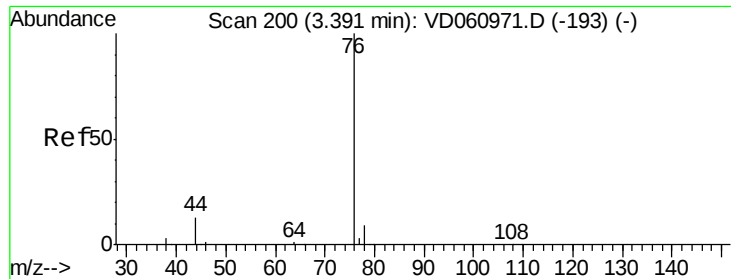
43 100

58 26.8 21.6 32.4



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

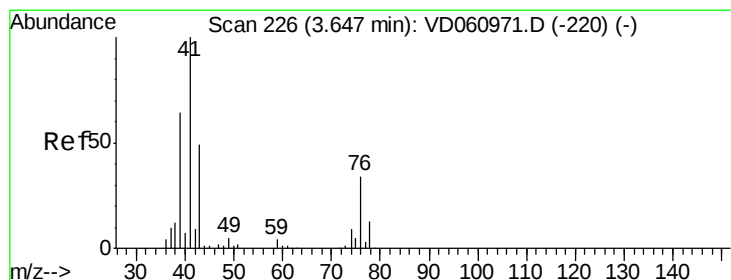
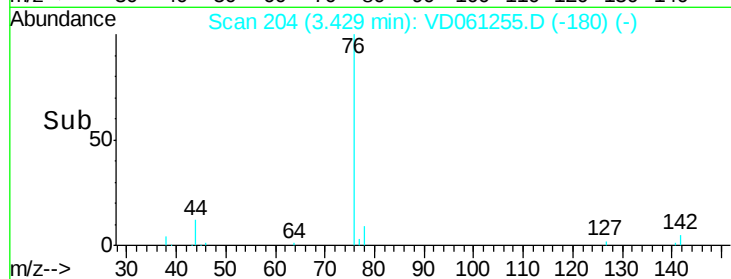
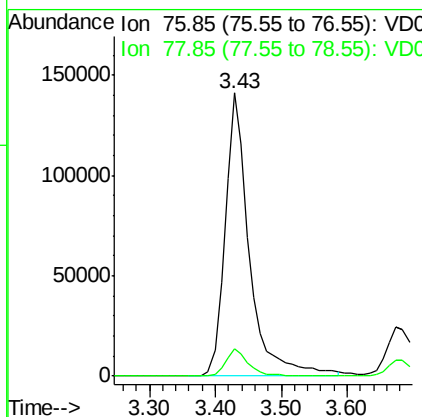
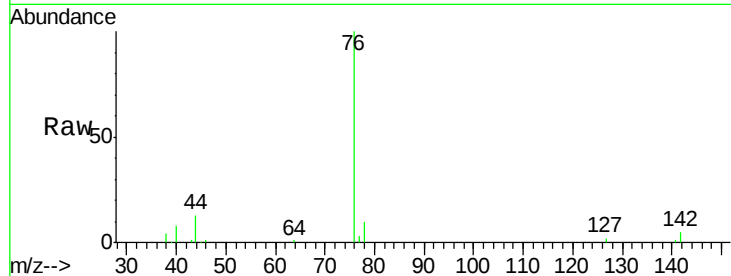




#17
Carbon Disulfide
Concen: 15.976 ug/l
RT: 3.43 min Scan# 204
Delta R.T. 0.04 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

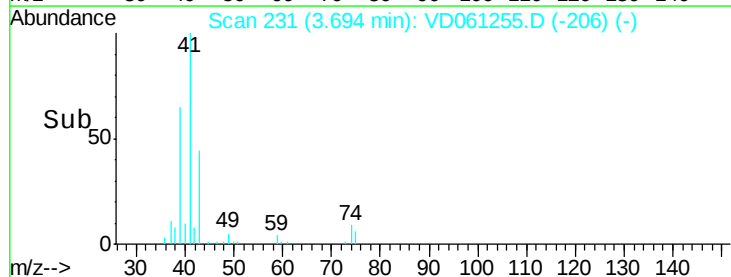
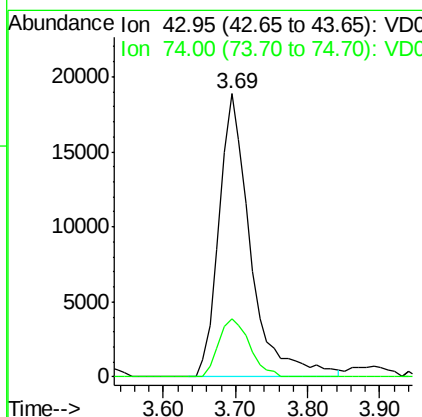
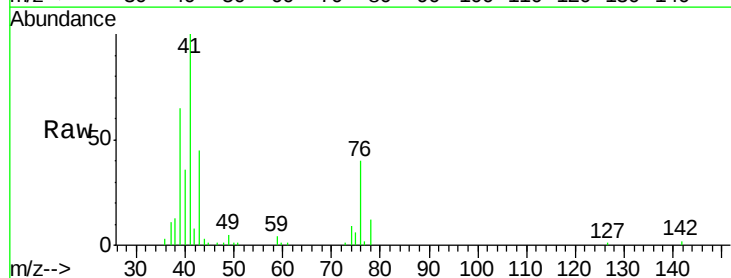
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBSD01

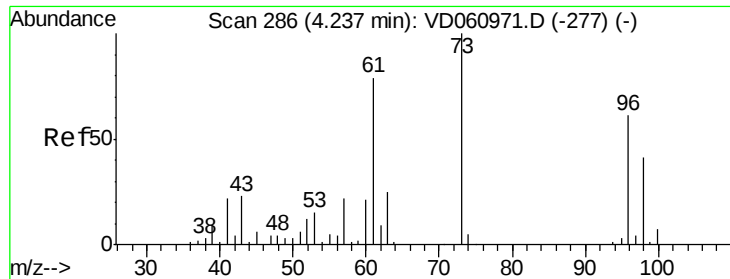
Tot Ion: 76 Resp: 362818
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 18.210 ug/l
RT: 3.69 min Scan# 231
Delta R.T. 0.05 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 57211
Ion Ratio Lower Upper
43 100
74 20.5 14.6 21.8

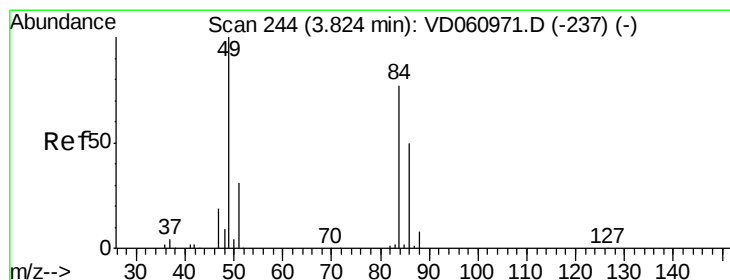
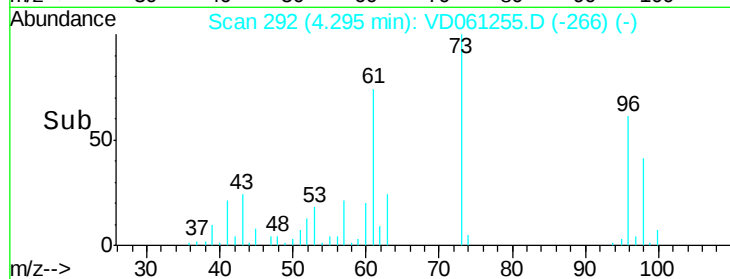
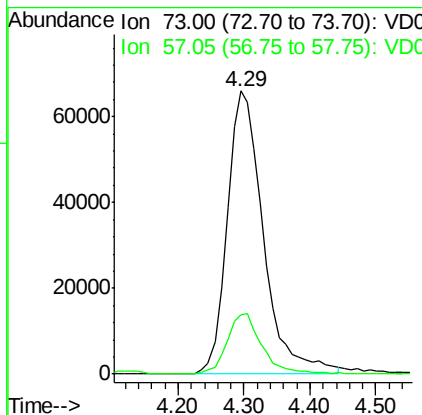
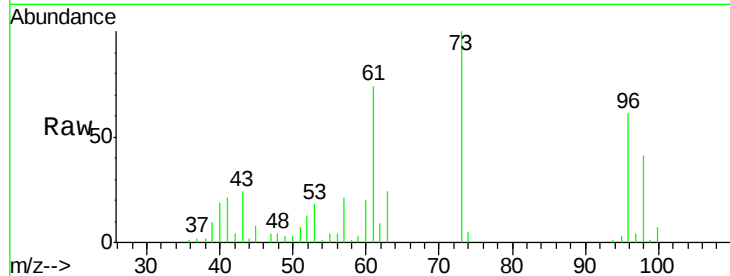




#19
Methyl tert-butyl Ether
Concen: 21.487 ug/l
RT: 4.29 min Scan# 292
Delta R.T. 0.06 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

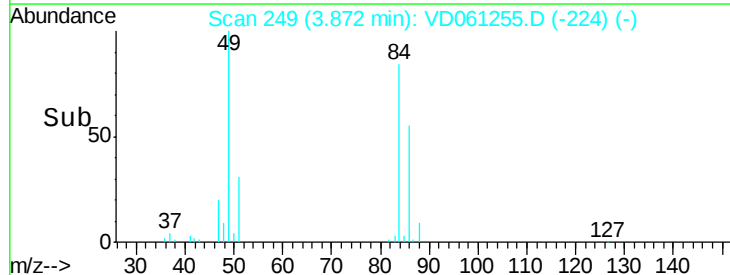
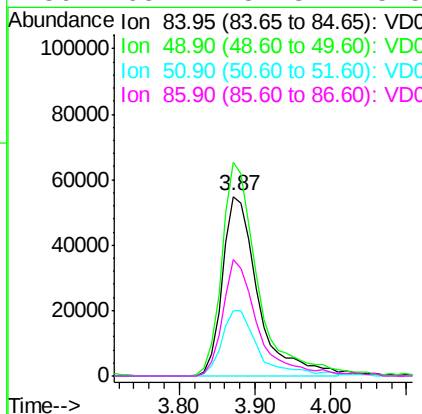
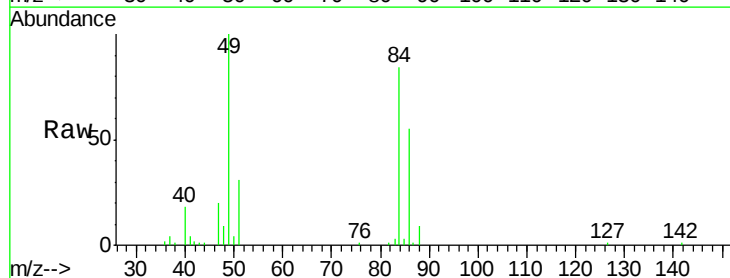
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

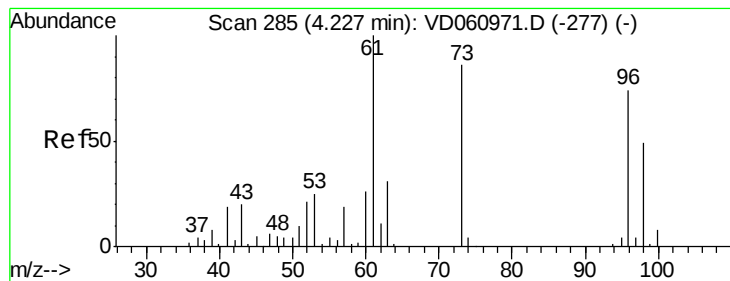
Tot Ion: 73 Resp: 253524
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5



#20
Methylene Chloride
Concen: 22.037 ug/l
RT: 3.87 min Scan# 249
Delta R.T. 0.05 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 84 Resp: 179396
Ion Ratio Lower Upper
84 100
49 118.9 104.2 156.2
51 36.6 32.3 48.5
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.942 ug/l

RT: 4.28 min Scan# 291

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

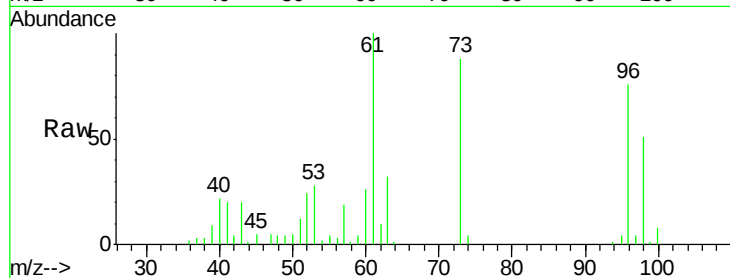
Tot Ion: 96 Resp: 145320

Ion Ratio Lower Upper

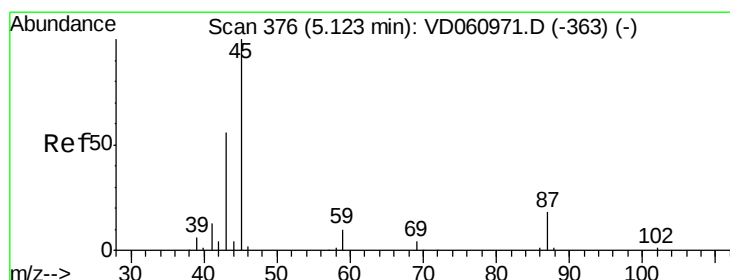
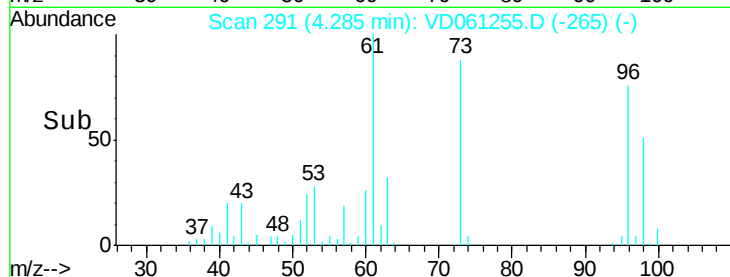
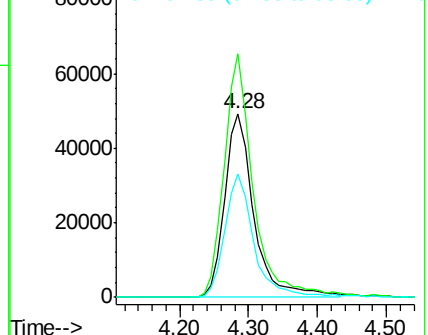
96 100

61 132.3 108.4 162.6

98 66.9 53.0 79.4



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



#22

Diisopropyl ether

Concen: 18.917 ug/l

RT: 5.19 min Scan# 383

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Tgt Ion: 45 Resp: 423022

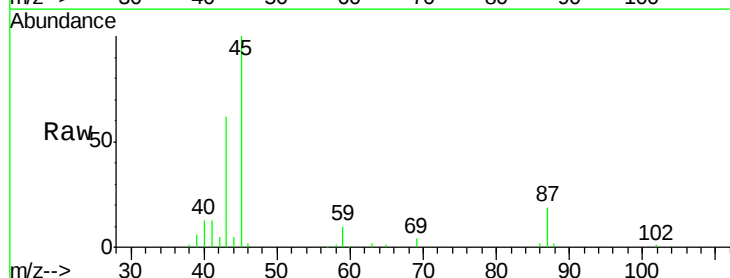
Ion Ratio Lower Upper

45 100

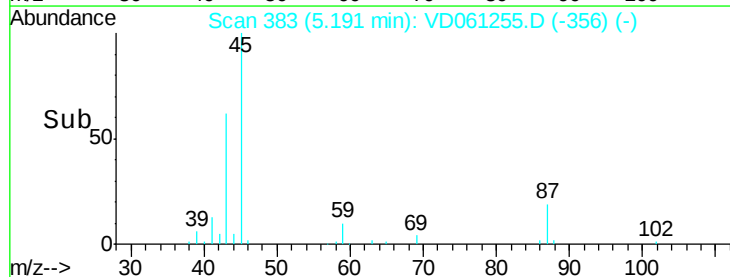
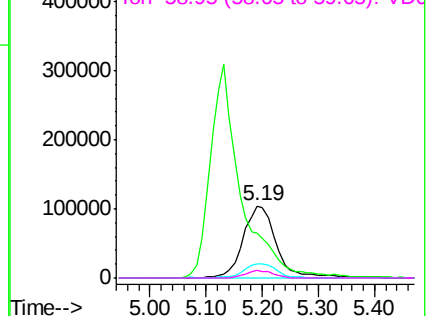
43 62.3 45.8 68.8

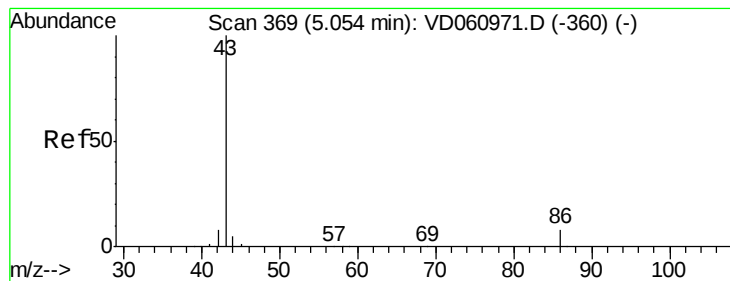
87 19.0 14.9 22.3

59 10.3 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 101.155 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.08 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

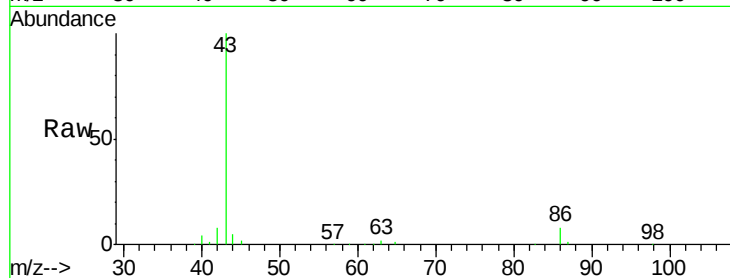
VD0322SBSD01

Tot Ion: 43 Resp: 1161178

Ion Ratio Lower Upper

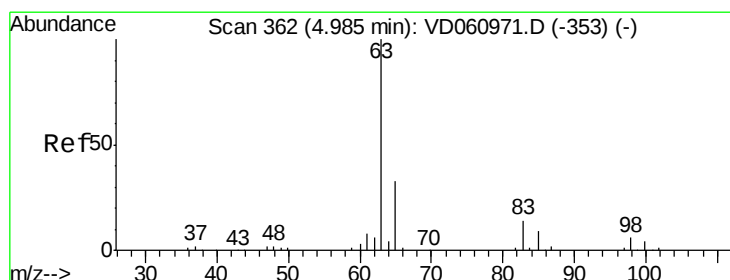
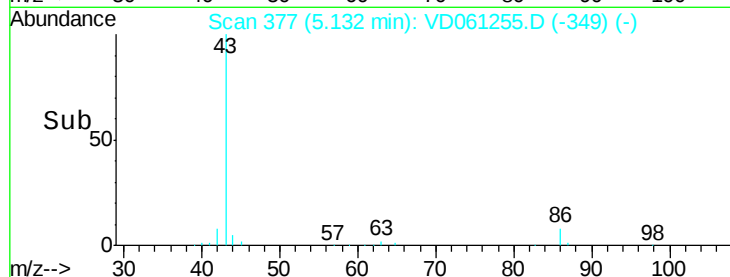
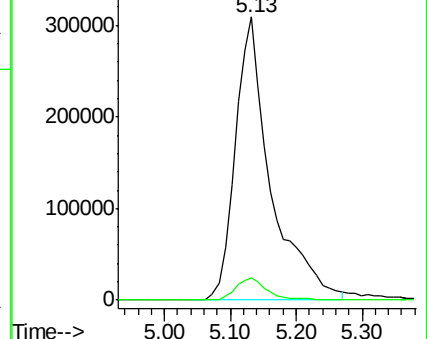
43 100

86 7.9 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.095 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.08 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

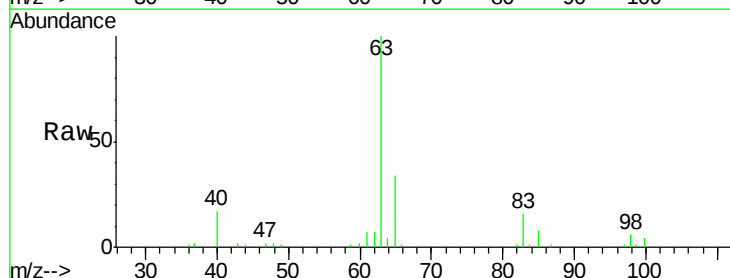
Tgt Ion: 63 Resp: 246197

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

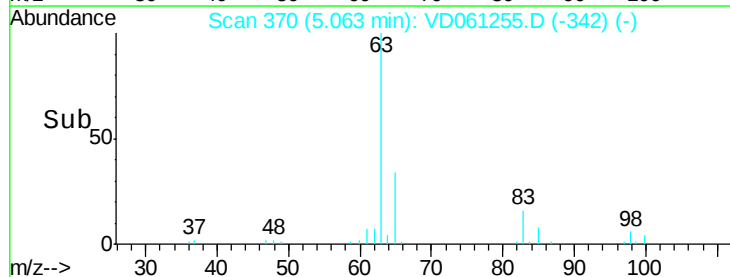
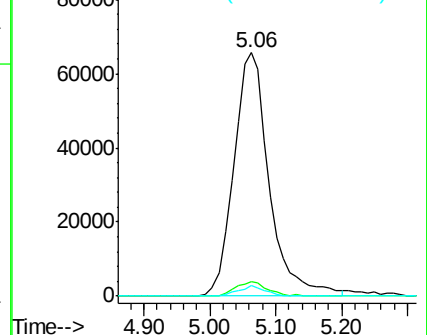
100 4.2 2.0 5.8

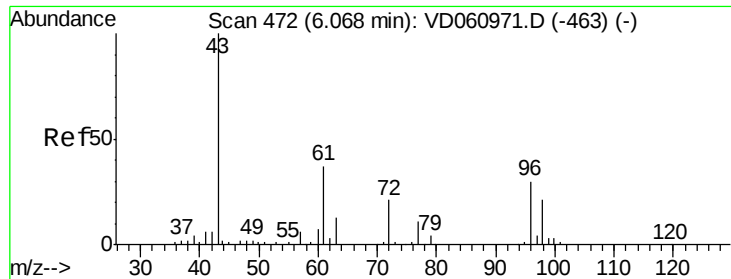


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.222 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

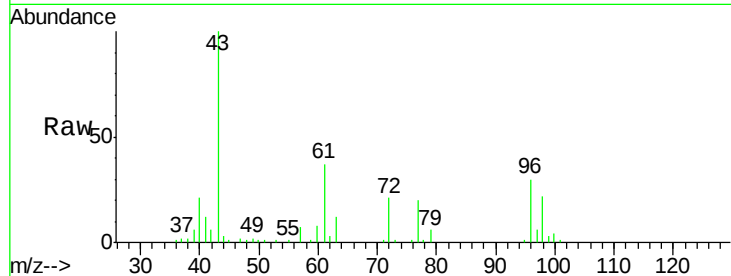
VD0322SBSD01

Tot Ion: 43 Resp: 206918

Ion Ratio Lower Upper

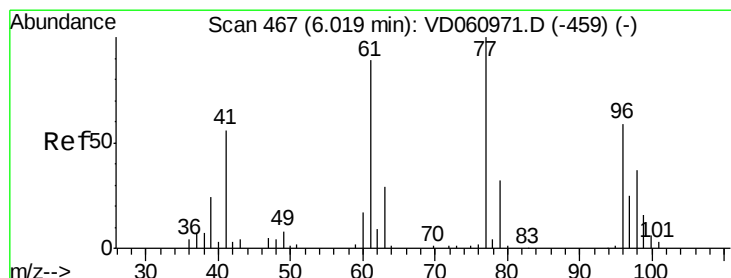
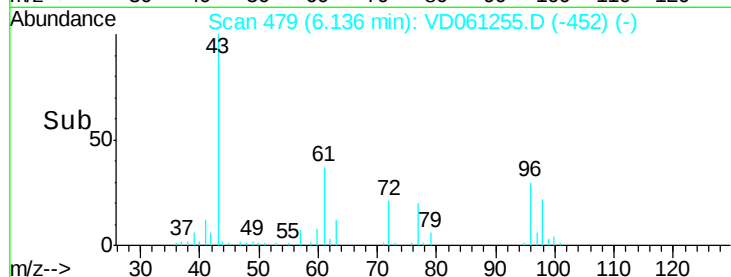
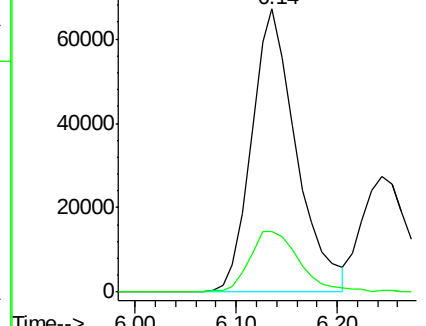
43 100

72 21.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.047 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.08 min

Lab File: VD061255.D

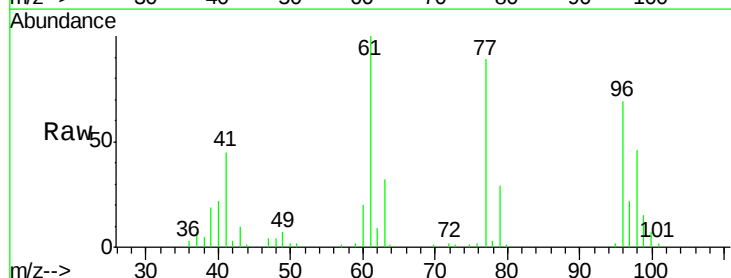
Acq: 22 Mar 2019 12:37

Tgt Ion: 77 Resp: 210869

Ion Ratio Lower Upper

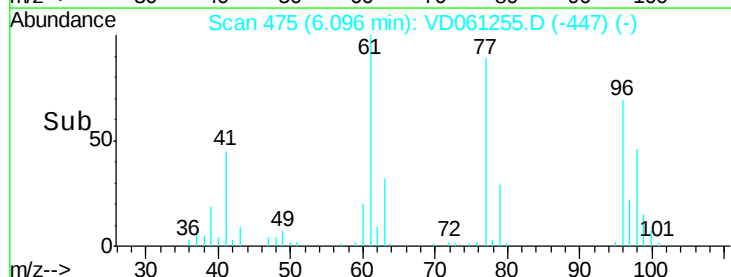
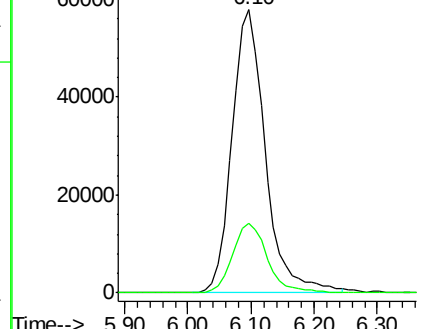
77 100

97 24.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



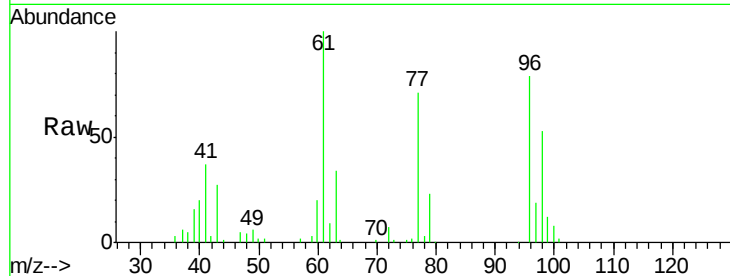


#27

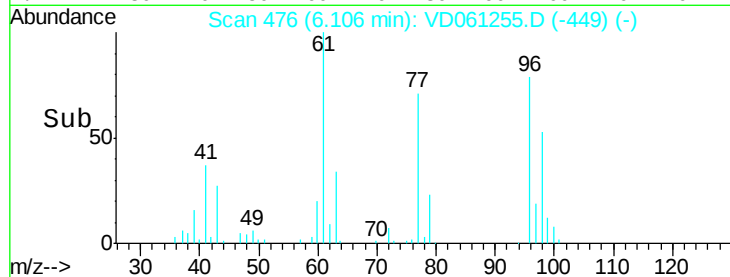
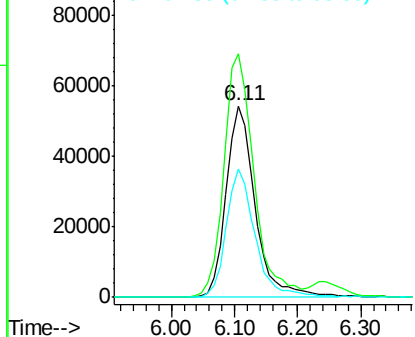
cis-1,2-Dichloroethene
 Concen: 22.326 ug/l
 RT: 6.11 min Scan# 476
 Delta R.T. 0.07 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

Tot Ion: 96 Resp: 172615
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 273.6
 98 66.7 0.0 132.6



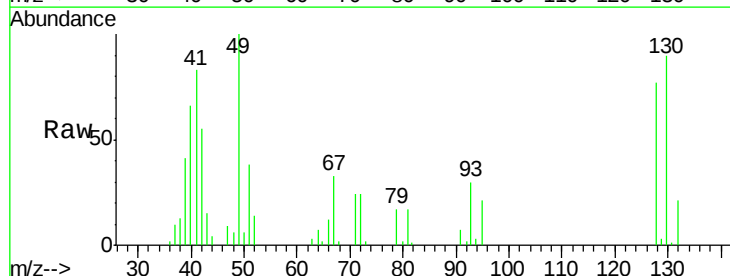
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



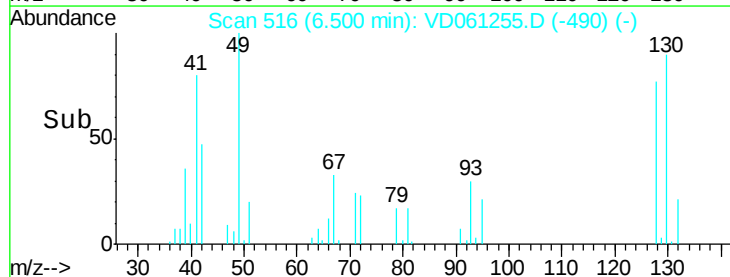
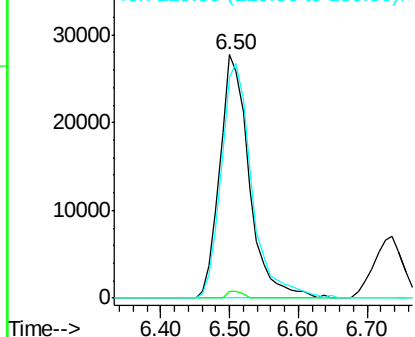
#28

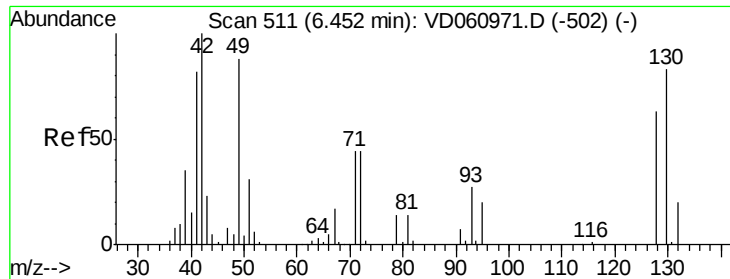
Bromochloromethane
 Concen: 15.891 ug/l
 RT: 6.50 min Scan# 516
 Delta R.T. 0.06 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 49 Resp: 82421
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.0
 130 90.4 73.8 110.8



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: 96.036 ug/l

RT: 6.52 min Scan# 518

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

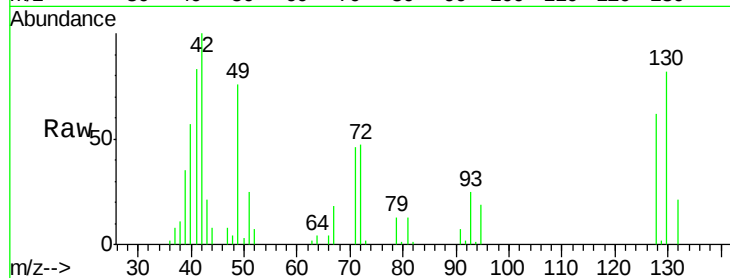
Tot Ion: 42 Resp: 94467

Ion Ratio Lower Upper

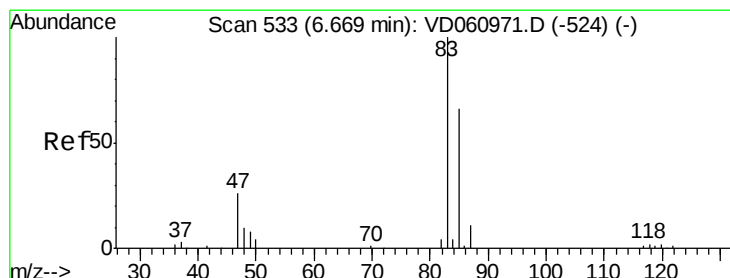
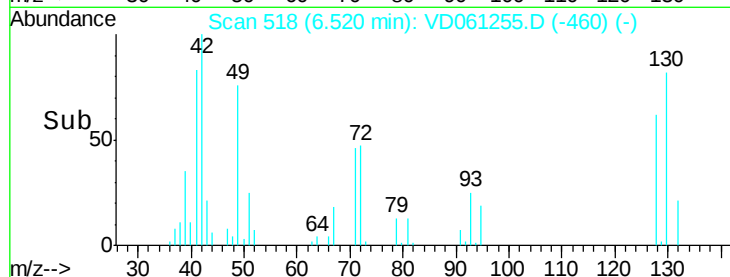
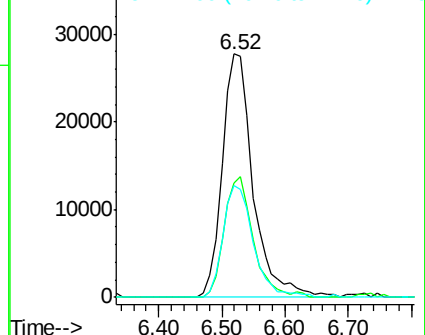
42 100

72 46.7 34.5 51.7

71 45.2 33.8 50.6



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: 20.494 ug/l

RT: 6.74 min Scan# 540

Delta R.T. 0.07 min

Lab File: VD061255.D

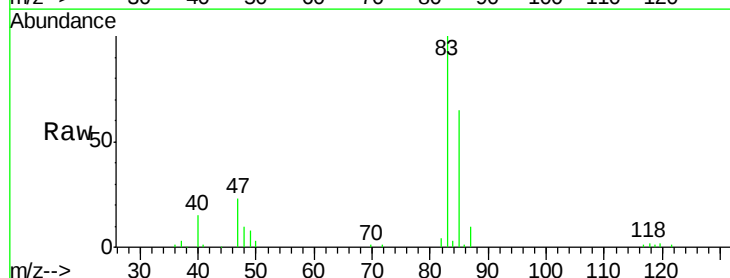
Acq: 22 Mar 2019 12:37

Tgt Ion: 83 Resp: 260228

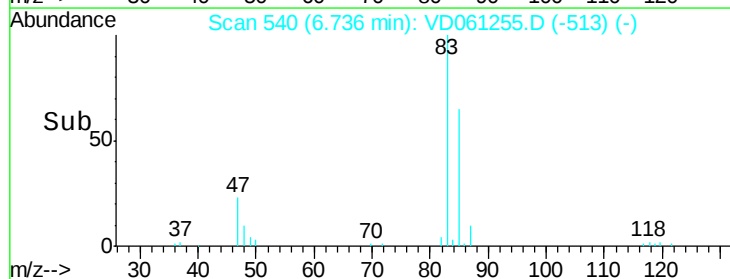
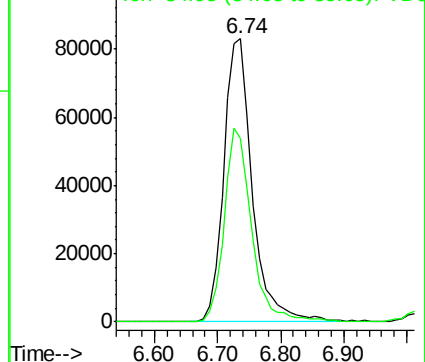
Ion Ratio Lower Upper

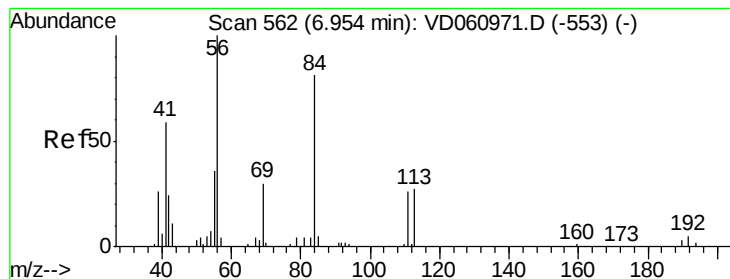
83 100

85 65.0 53.0 79.4



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





#31

Cyclohexane

Concen: 19.462 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

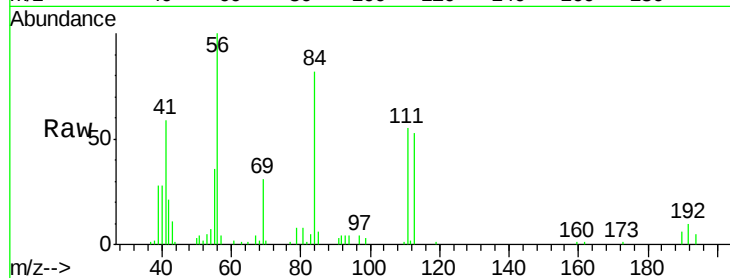
Tot Ion: 56 Resp: 192264

Ion Ratio Lower Upper

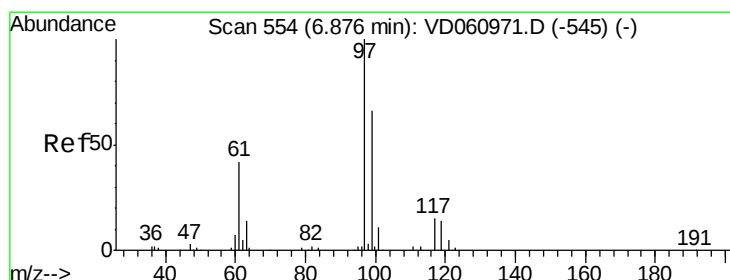
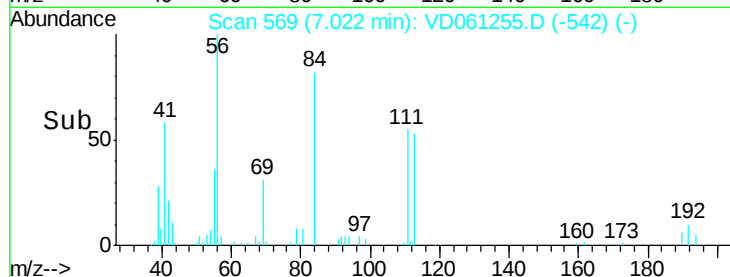
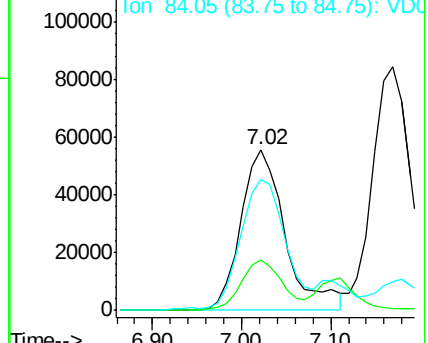
56 100

69 30.9 24.0 36.0

84 81.6 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 20.075 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

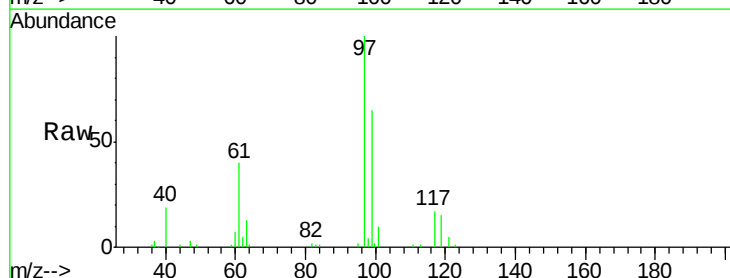
Tgt Ion: 97 Resp: 220386

Ion Ratio Lower Upper

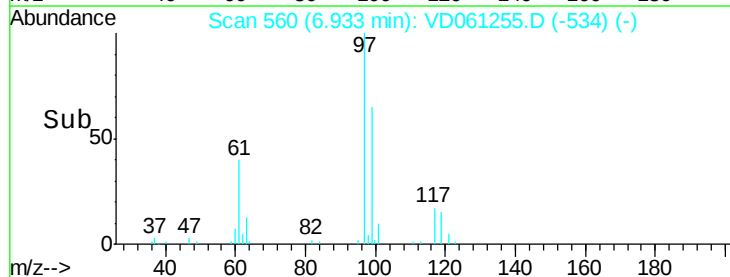
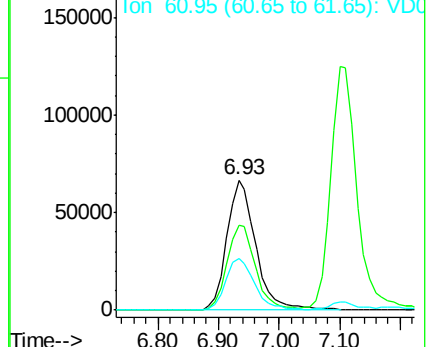
97 100

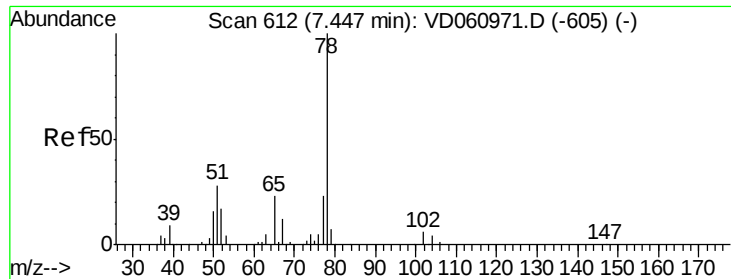
99 64.9 53.2 79.8

61 39.9 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 20.075 ug/l

RT: 7.51 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

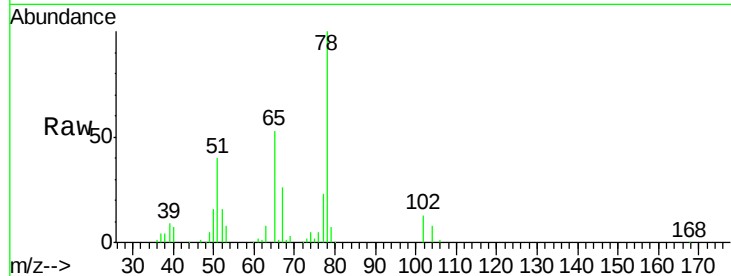
VD0322SBS01

Tot Ion: 65 Resp: 229385

Ion Ratio Lower Upper

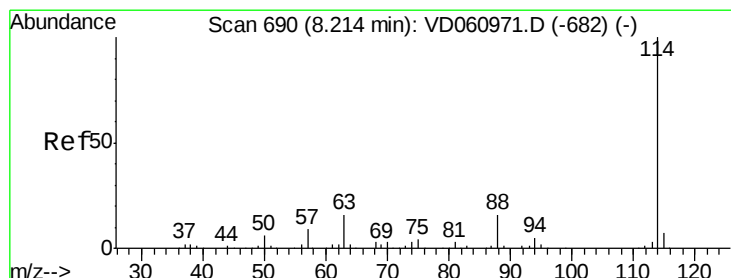
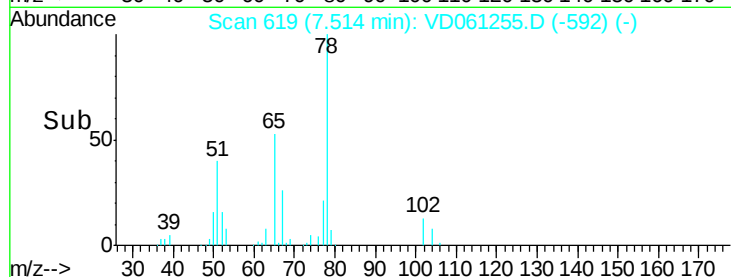
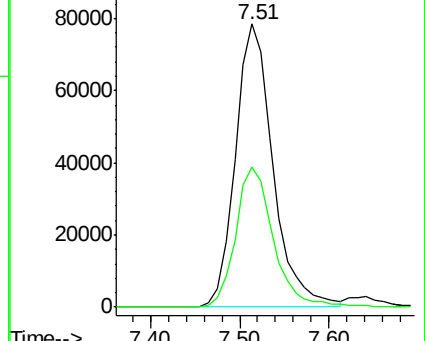
65 100

67 49.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

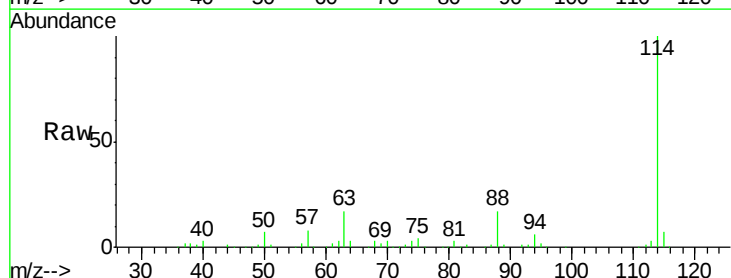
Tgt Ion: 114 Resp: 1085642

Ion Ratio Lower Upper

114 100

63 17.0 0.0 31.4

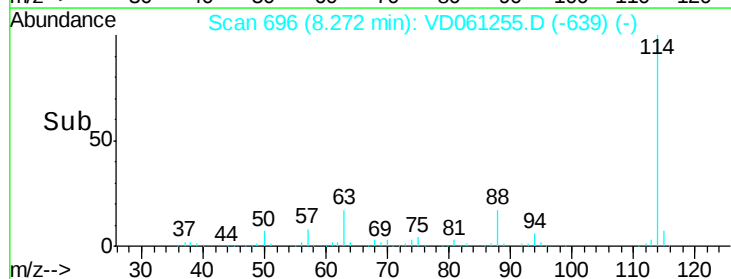
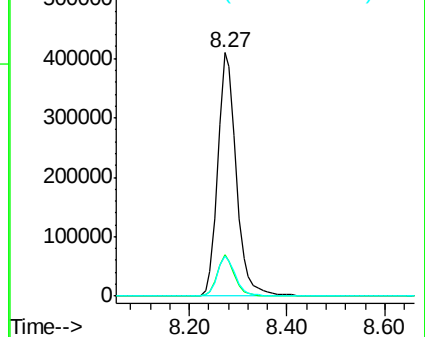
88 16.5 0.0 33.0

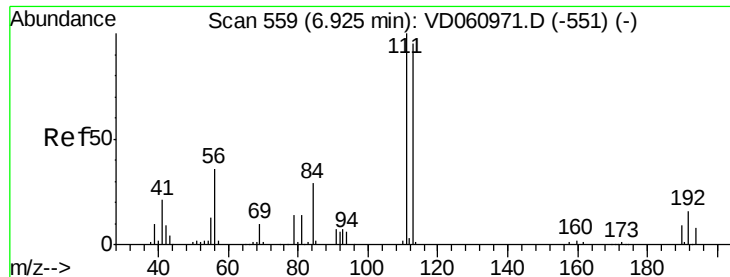


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

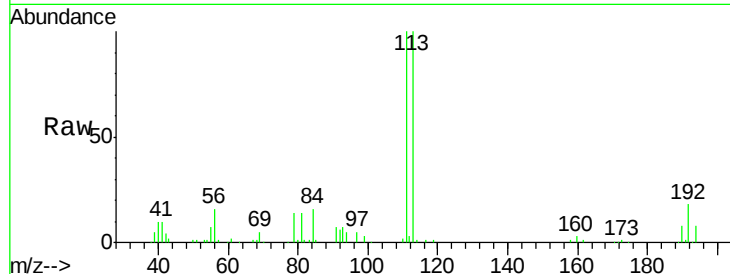




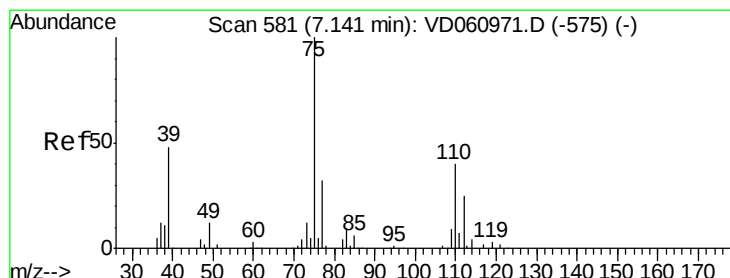
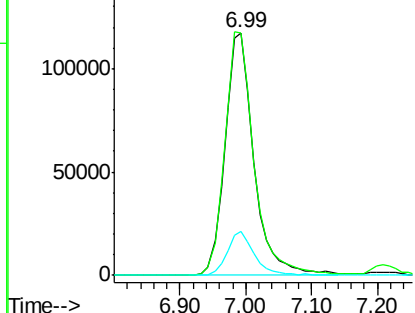
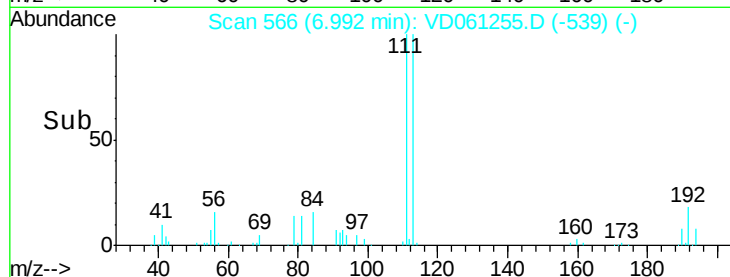
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.99 min Scan# 566
 Delta R.T. 0.07 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	84.2	126.4
192	18.3	13.1	19.7

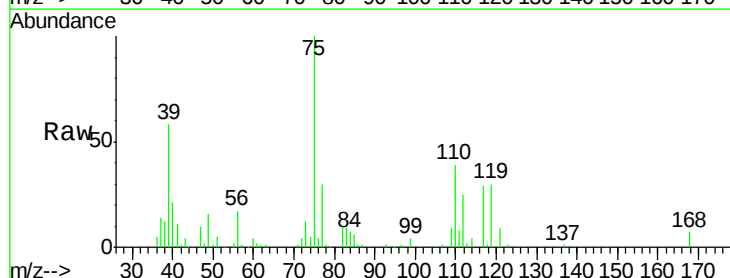


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

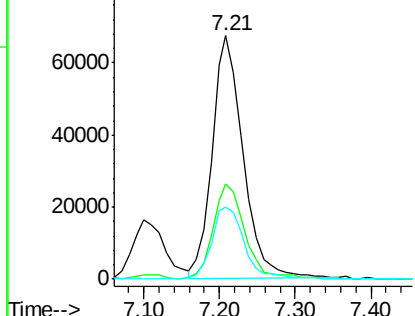
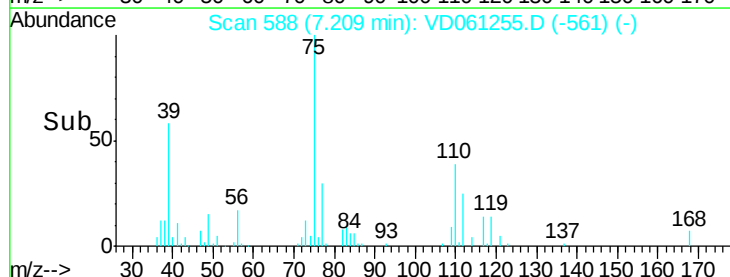


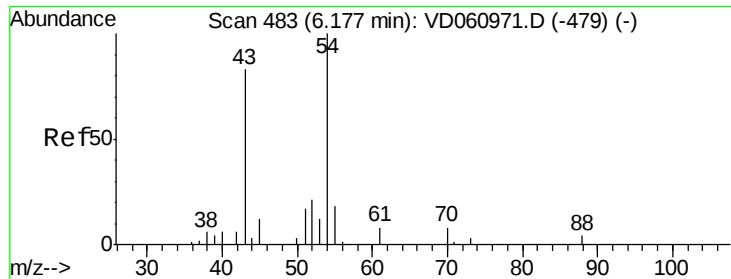
#36
 1,1-Dichloropropene
 Concen: 20.499 ug/l
 RT: 7.21 min Scan# 588
 Delta R.T. 0.07 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.7	59.1
77	29.7	24.7	37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

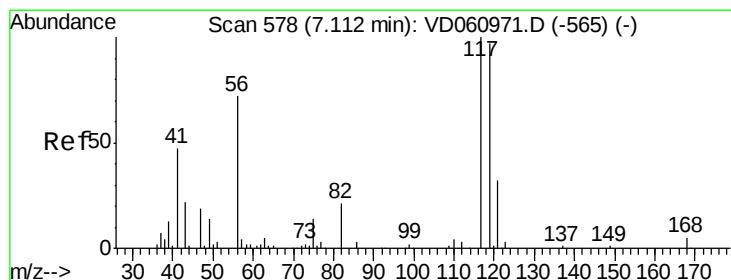
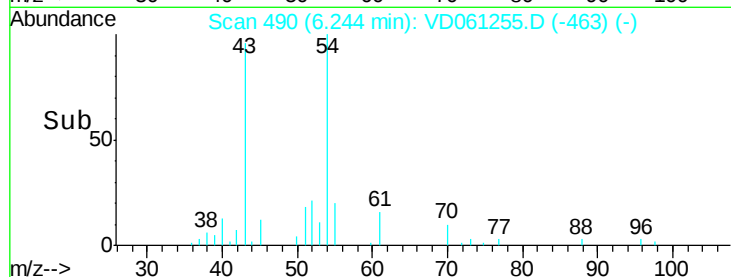
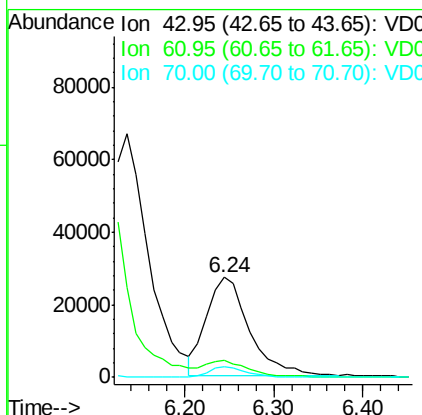
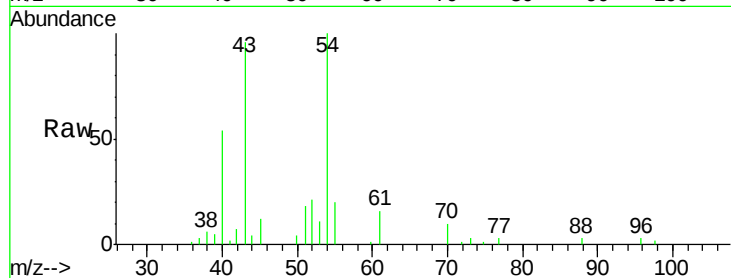




#37
Ethyl Acetate
Concen: 20.815 ug/l
RT: 6.24 min Scan# 490
Delta R.T. 0.07 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

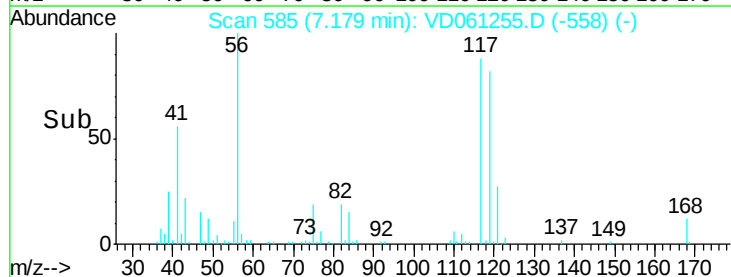
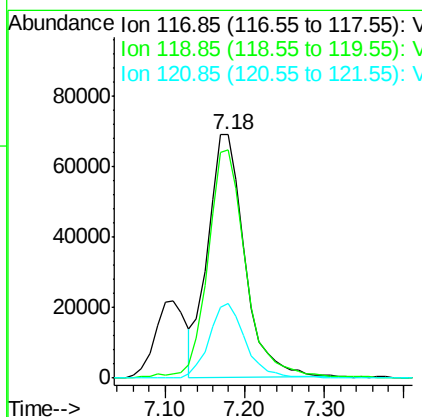
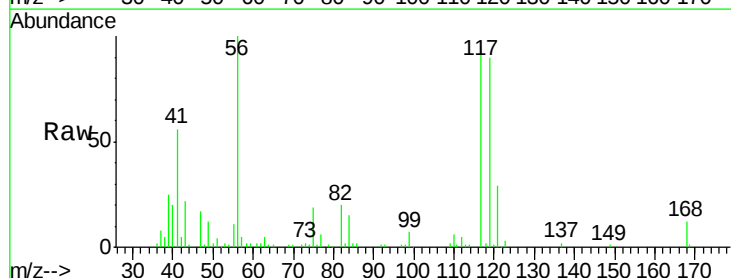
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

Tot Ion: 43 Resp: 91409
Ion Ratio Lower Upper
43 100
61 16.7 13.7 20.5
70 10.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.596 ug/l
RT: 7.18 min Scan# 585
Delta R.T. 0.07 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 222616
Ion Ratio Lower Upper
117 100
119 93.9 77.8 116.8
121 30.5 25.3 37.9





#39

Methvlcvclohexane

Concen: 19.327 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

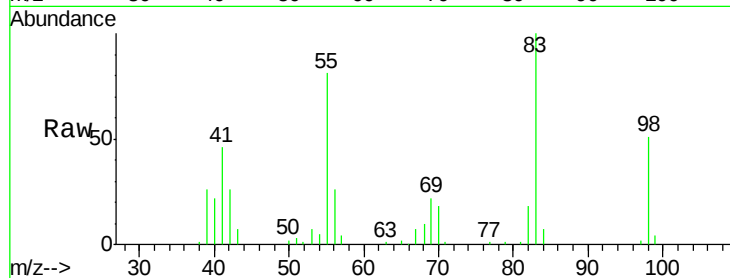
Tot Ion: 83 Resp: 187544

Ion Ratio Lower Upper

83 100

55 81.4 69.6 104.4

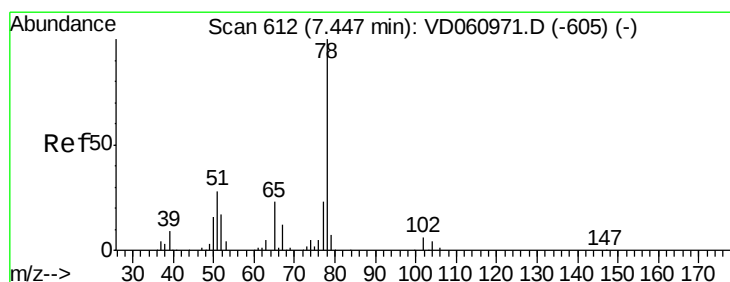
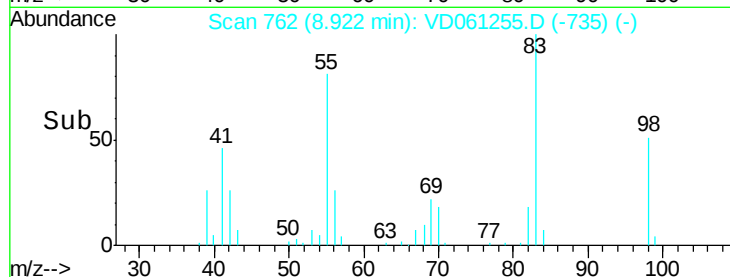
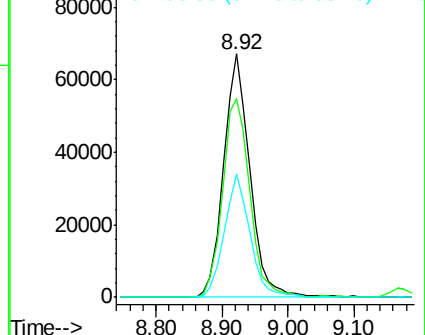
98 50.7 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.477 ug/l

RT: 7.52 min Scan# 620

Delta R.T. 0.08 min

Lab File: VD061255.D

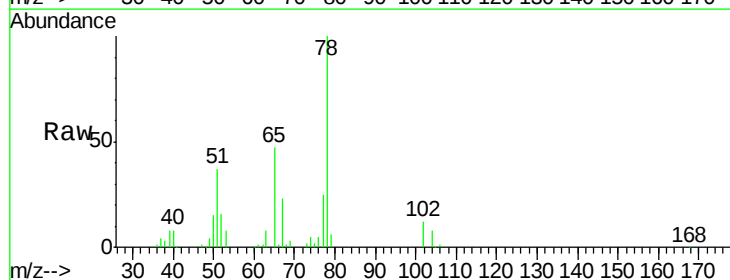
Acq: 22 Mar 2019 12:37

Tgt Ion: 78 Resp: 455435

Ion Ratio Lower Upper

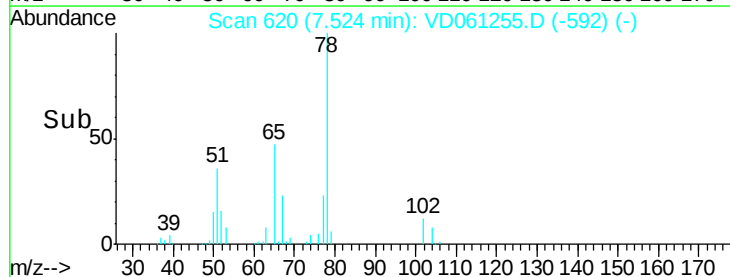
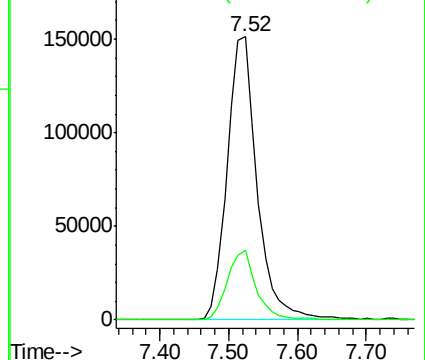
78 100

77 24.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

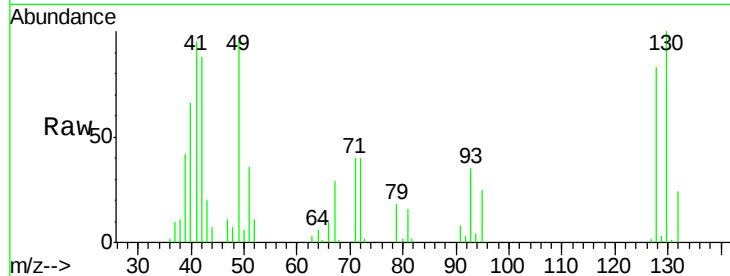




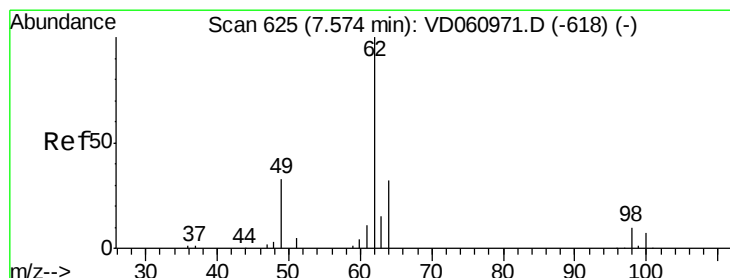
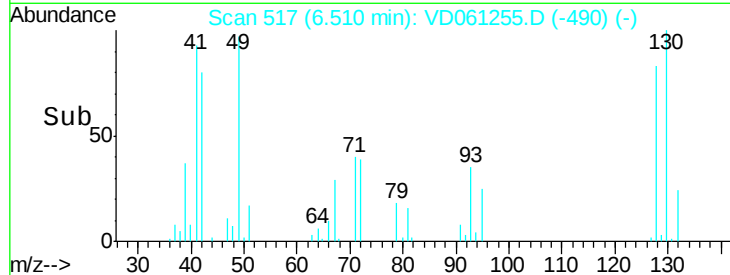
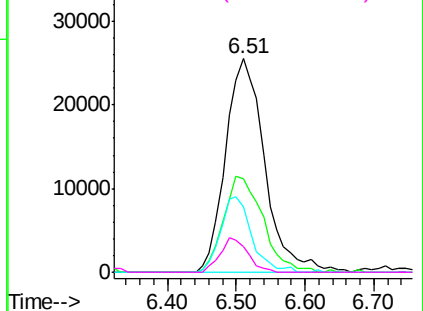
#41
Methacrylonitrile
Concen: 19.925 ug/l
RT: 6.51 min Scan# 517
Delta R.T. 0.07 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0322SBSD01

Tot Ion: 41 Resp: 100642
Ion Ratio Lower Upper
41 100
39 43.9 35.7 53.5
67 30.7 23.0 34.6
52 11.9 9.2 13.8

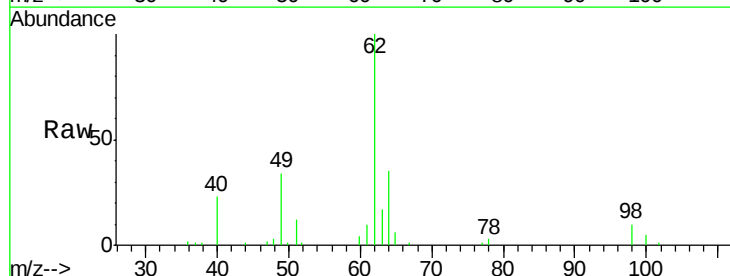


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

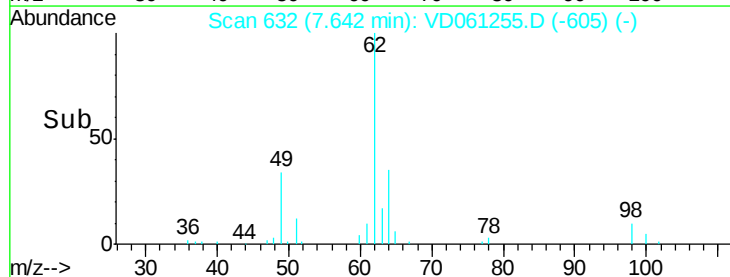
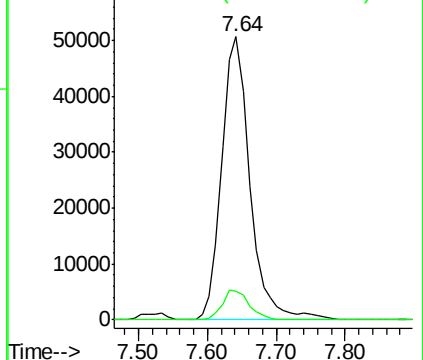


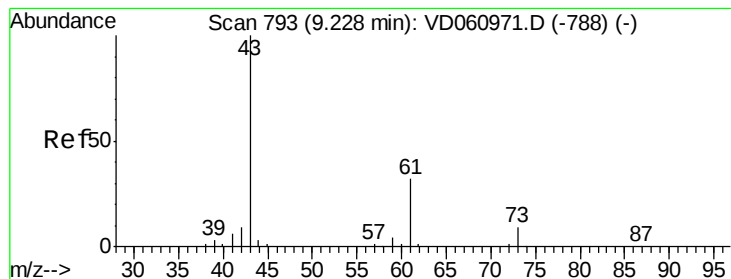
#42
1,2-Dichloroethane
Concen: 21.238 ug/l
RT: 7.64 min Scan# 632
Delta R.T. 0.07 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 62 Resp: 144117
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4



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



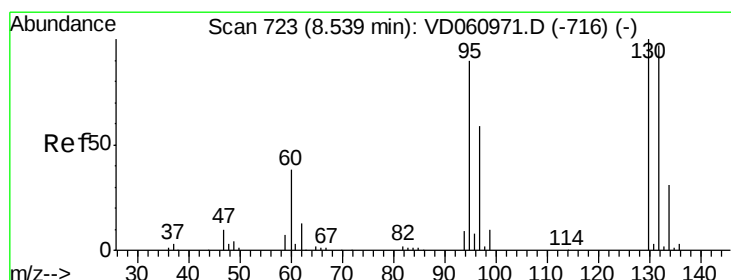
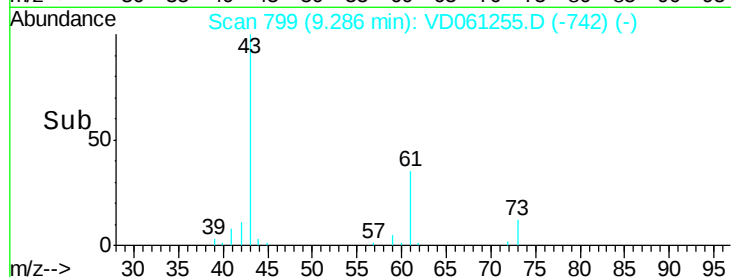
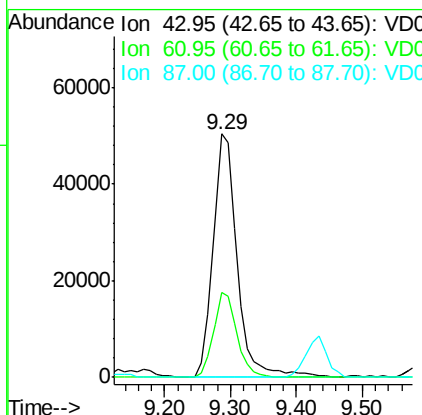
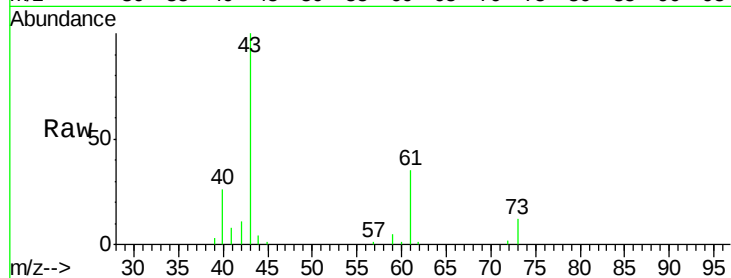


#43

Isopropyl Acetate
 Concen: 20.894 ug/l
 RT: 9.29 min Scan# 799
 Delta R.T. 0.06 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

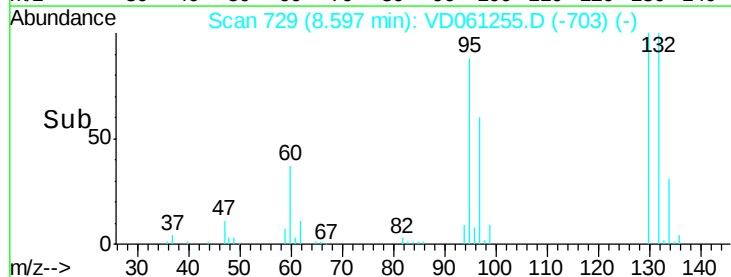
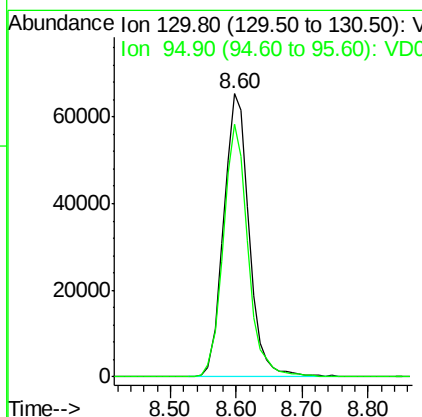
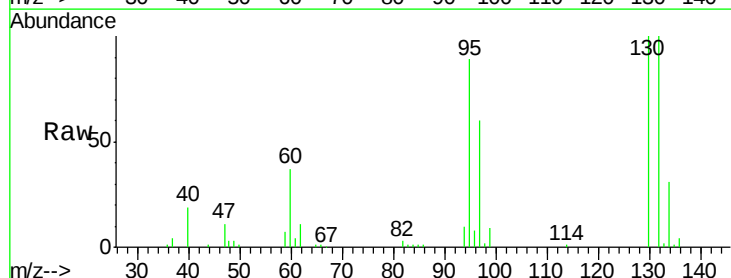
Tot Ion: 43 Resp: 127083
 Ion Ratio Lower Upper
 43 100
 61 35.0 25.6 38.4
 87 0.0 0.2 0.4#



#44

Trichloroethene
 Concen: 21.906 ug/l
 RT: 8.60 min Scan# 729
 Delta R.T. 0.06 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:130 Resp: 176719
 Ion Ratio Lower Upper
 130 100
 95 89.2 0.0 179.4





#45

1,2-Dichloropropane

Concen: 18.581 ug/l

RT: 8.99 min Scan# 769

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

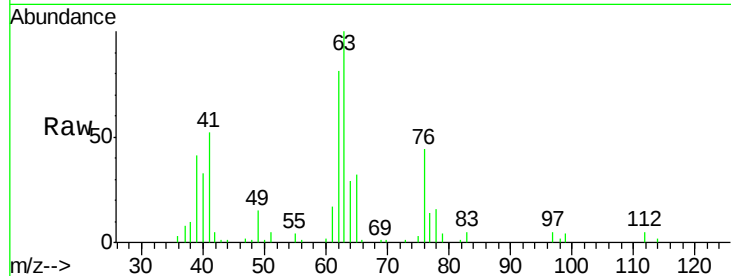
VD0322SBS01

Tot Ion: 63 Resp: 114151

Ion Ratio Lower Upper

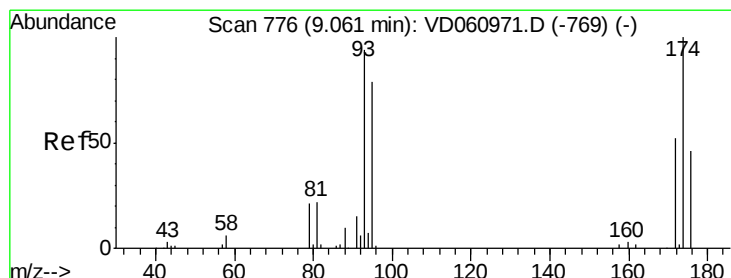
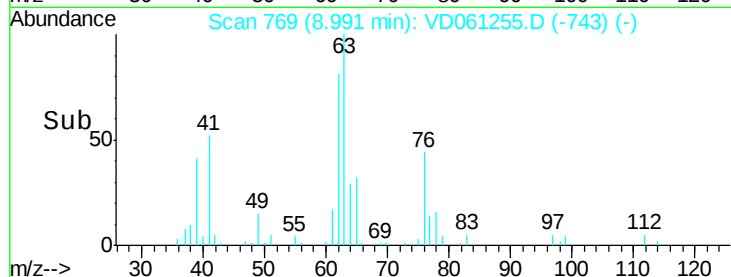
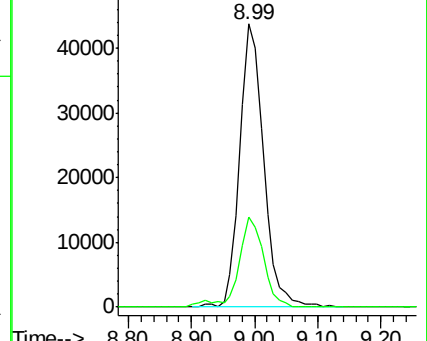
63 100

65 31.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.542 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

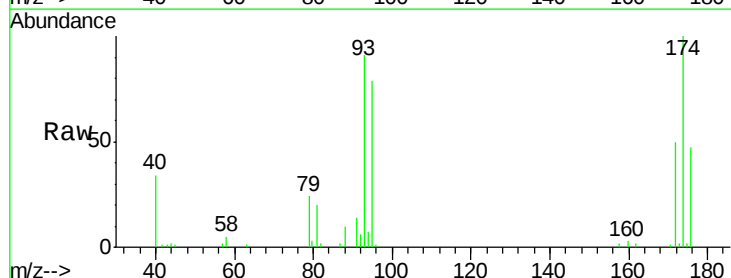
Tgt Ion: 93 Resp: 80049

Ion Ratio Lower Upper

93 100

95 86.5 67.4 101.0

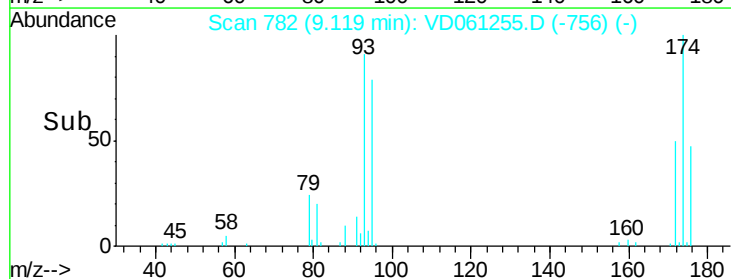
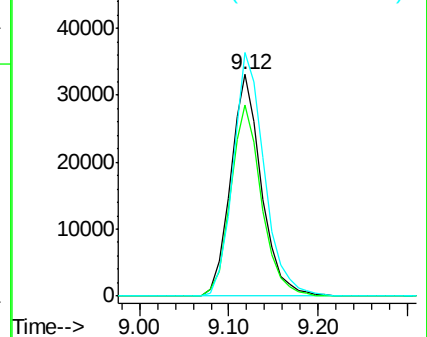
174 110.0 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.019 ug/l

RT: 9.43 min Scan# 814

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

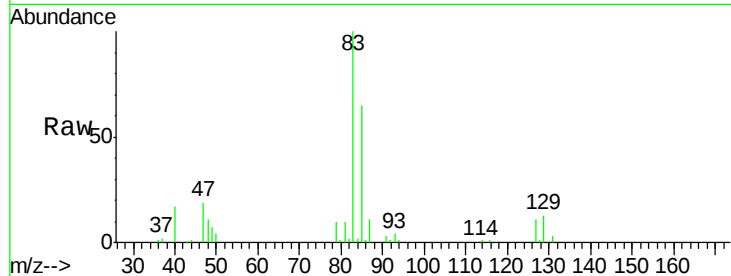
Tot Ion: 83 Resp: 184836

Ion Ratio Lower Upper

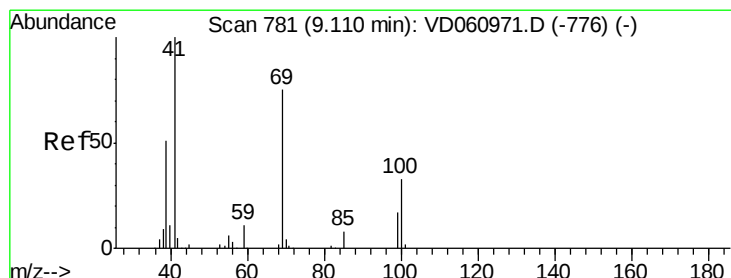
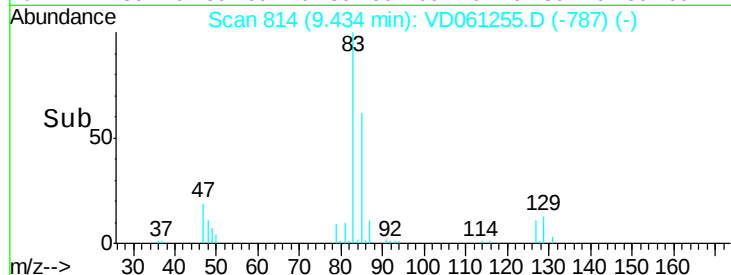
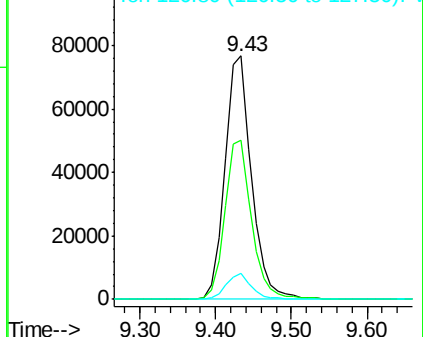
83 100

85 65.3 52.5 78.7

127 10.6 7.5 11.3



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



#48

Methyl methacrylate

Concen: 20.658 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

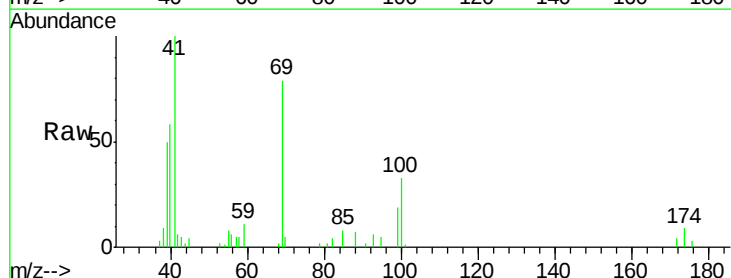
Tgt Ion: 41 Resp: 70744

Ion Ratio Lower Upper

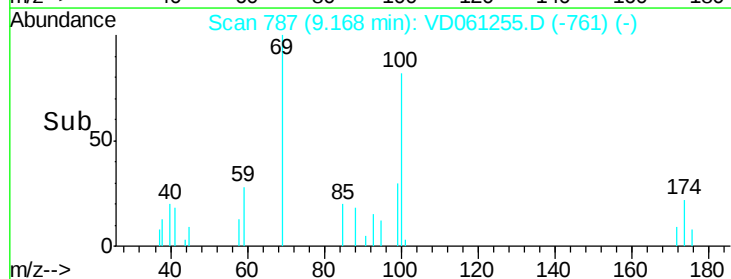
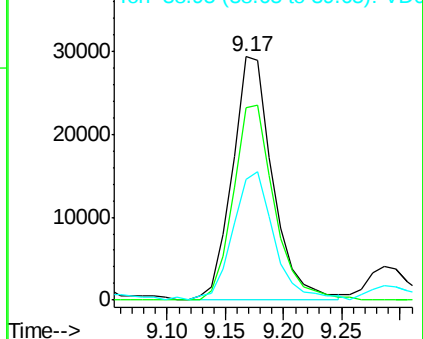
41 100

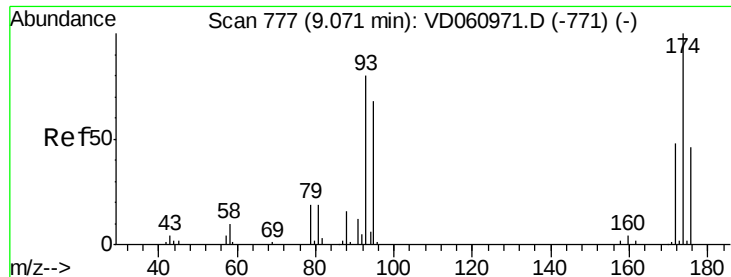
69 79.2 59.9 89.9

39 49.7 40.9 61.3



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

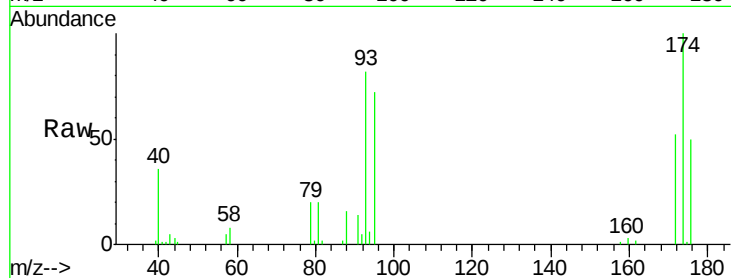




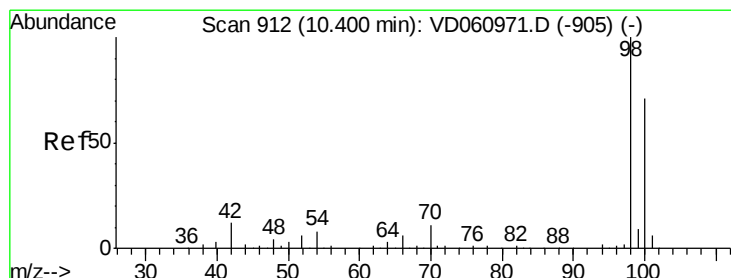
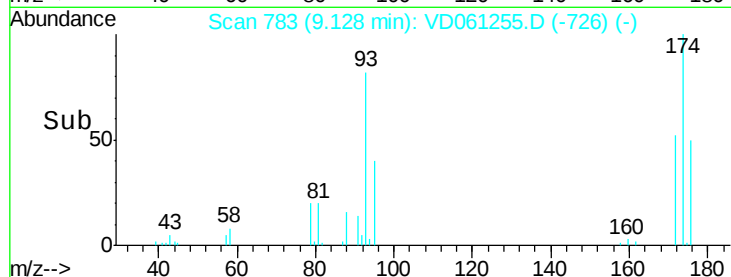
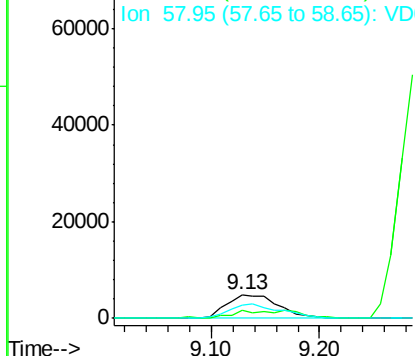
#49
1,4-Dioxane
Concen: 465.371 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.06 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

Tot Ion: 88 Resp: 16115
Ion Ratio Lower Upper
88 100
43 31.5 21.0 31.6
58 53.7 48.6 72.8

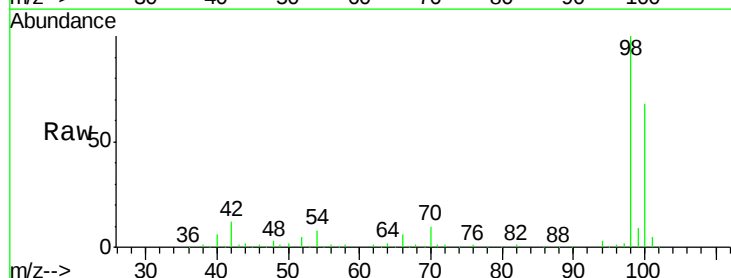


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

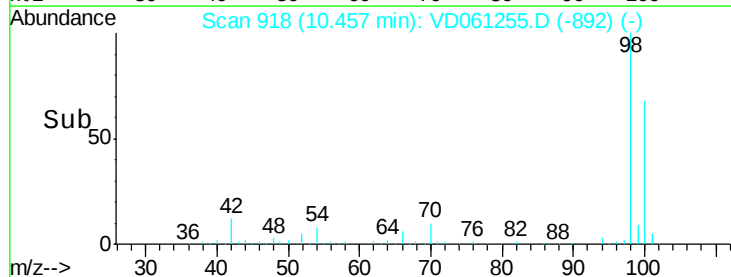
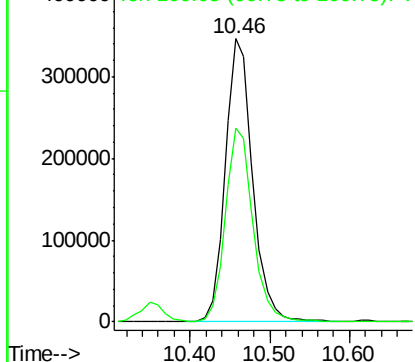


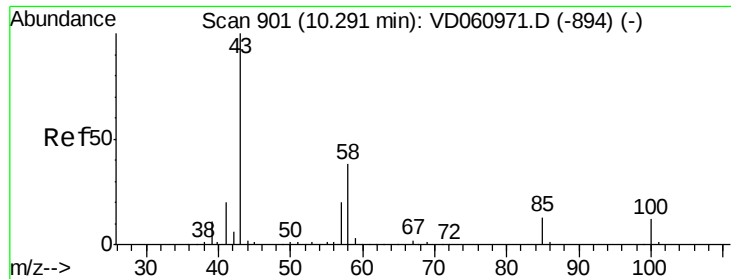
#50
Toluene-d8
Concen: 465.371 ug/l
RT: 10.46 min Scan# 918
Delta R.T. 0.06 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 98 Resp: 832017
Ion Ratio Lower Upper
98 100
100 68.5 57.4 86.2



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: 105.018 ug/l

RT: 10.35 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

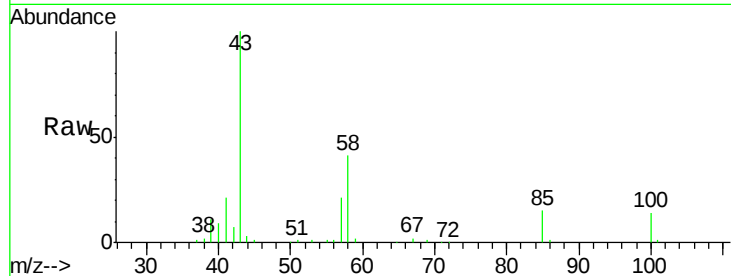
VD0322SBS01

Tot Ion: 43 Resp: 391313

Ion Ratio Lower Upper

43 100

58 41.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.35

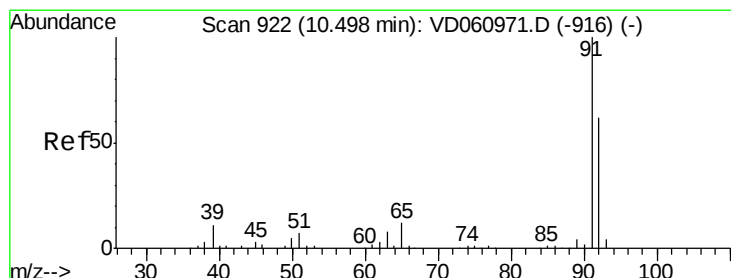
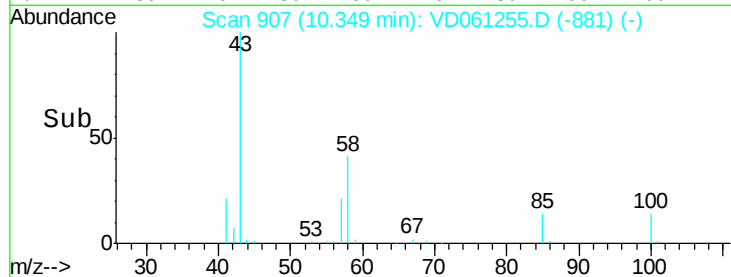
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.002 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061255.D

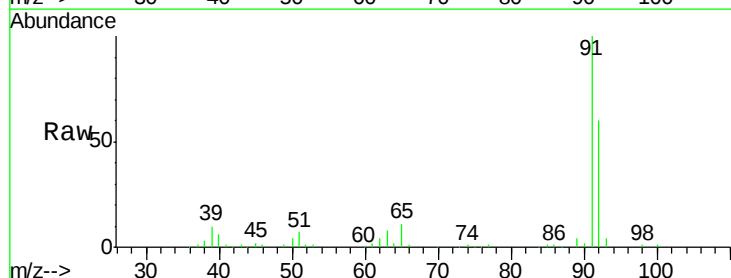
Acq: 22 Mar 2019 12:37

Tgt Ion: 92 Resp: 319922

Ion Ratio Lower Upper

92 100

91 165.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.56

250000

200000

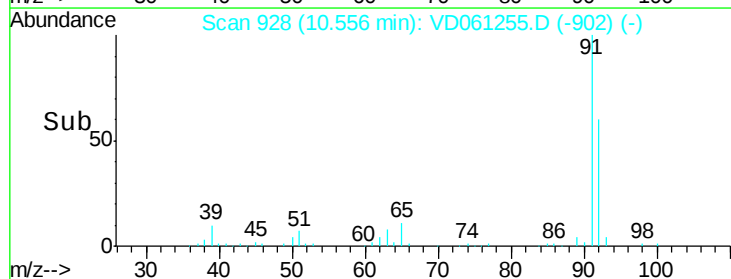
150000

100000

50000

0

Time-->

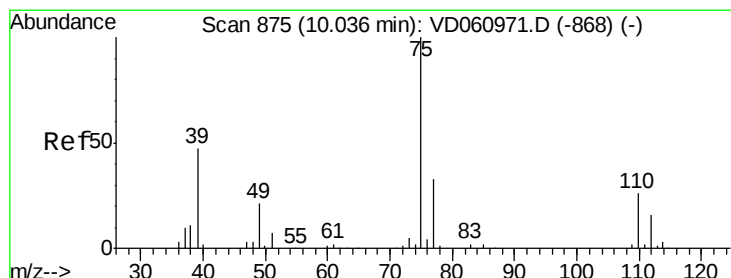
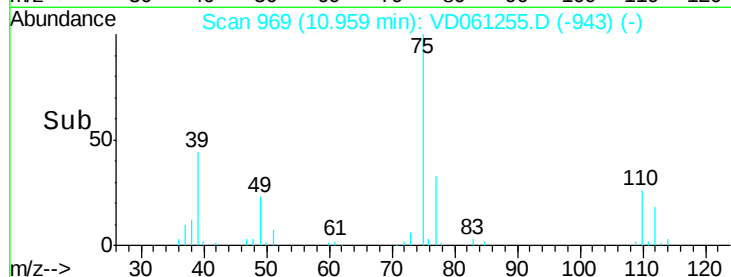
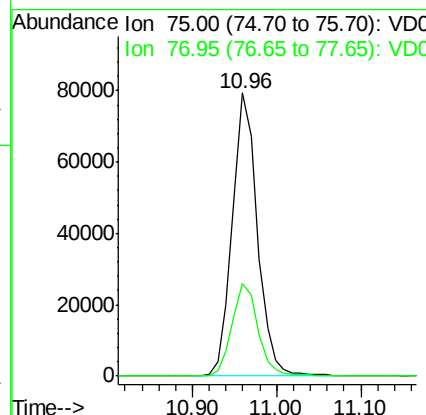
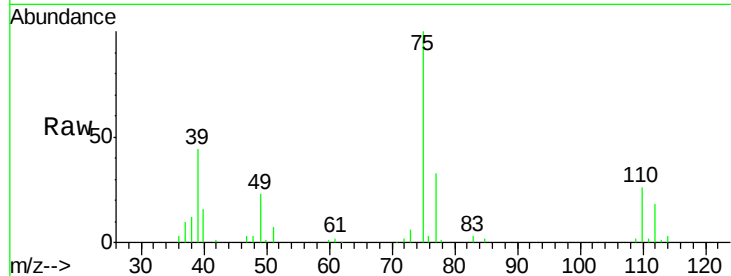




#53
 t-1,3-Dichloropropene
 Concen: 20.519 ug/l
 RT: 10.96 min Scan# 969
 Delta R.T. 0.06 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

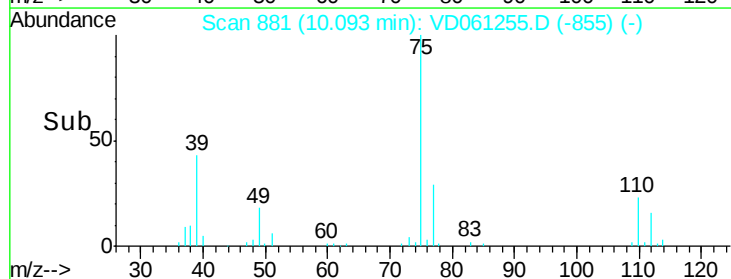
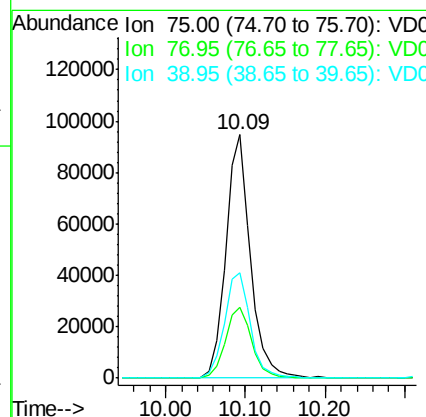
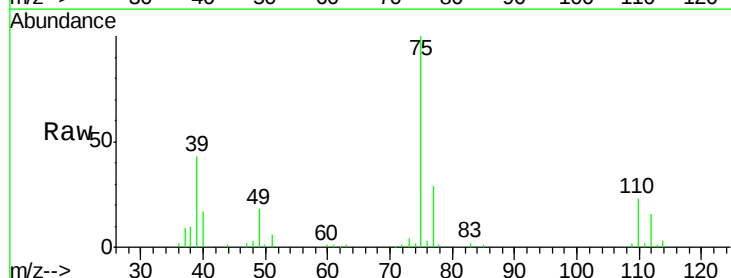
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

Tot Ion: 75 Resp: 164994
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.196 ug/l
 RT: 10.09 min Scan# 881
 Delta R.T. 0.06 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 204780
 Ion Ratio Lower Upper
 75 100
 77 29.3 26.2 39.4
 39 43.4 37.8 56.8

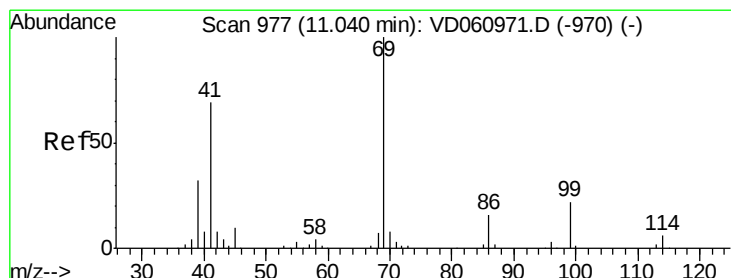
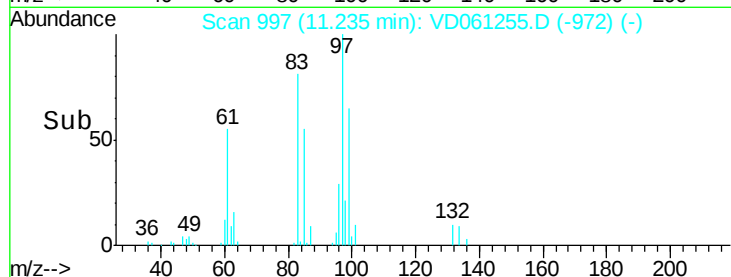
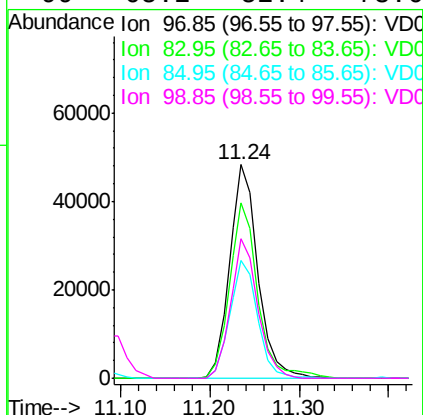
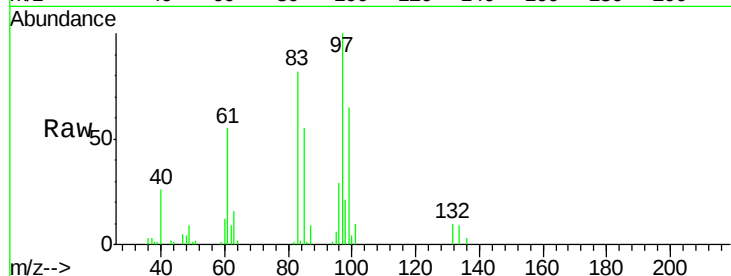




#55
 1,1,2-Trichloroethane
 Concen: 22.212 ug/l
 RT: 11.24 min Scan# 997
 Delta R.T. 0.05 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

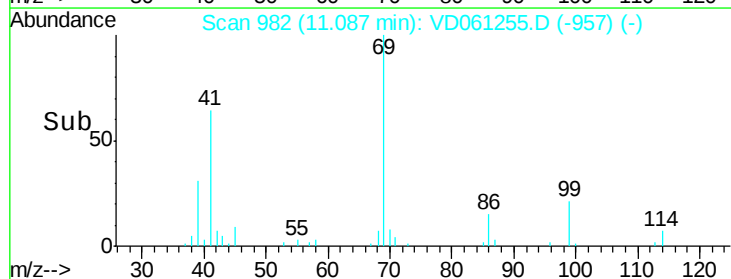
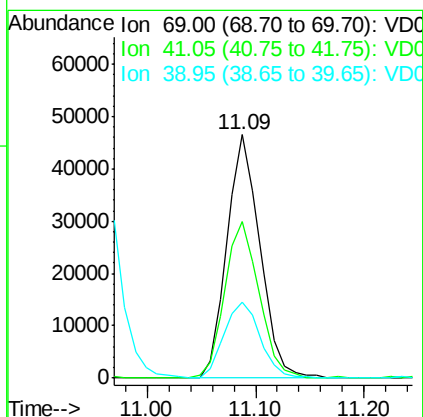
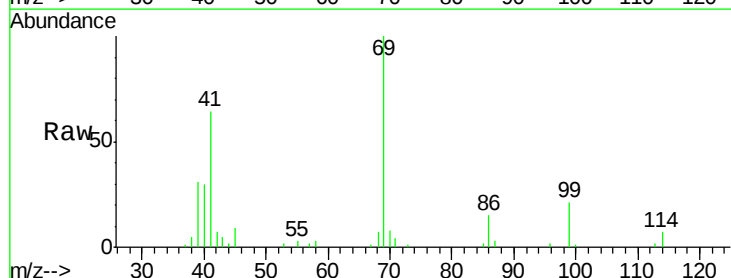
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

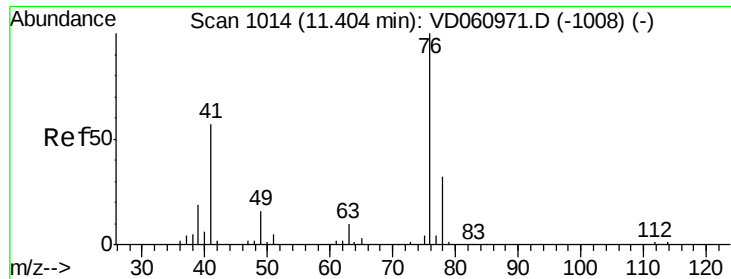
Tot Ion: 97 Resp: 107559
 Ion Ratio Lower Upper
 97 100
 83 82.0 66.6 100.0
 85 55.0 46.4 69.6
 99 65.2 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 19.495 ug/l
 RT: 11.09 min Scan# 982
 Delta R.T. 0.05 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 69 Resp: 98812
 Ion Ratio Lower Upper
 69 100
 41 64.2 55.5 83.3
 39 31.5 26.2 39.2





#57

1,3-Dichloropropane

Concen: 21.315 ug/l

RT: 11.45 min Scan# 1019

Delta R.T. 0.05 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

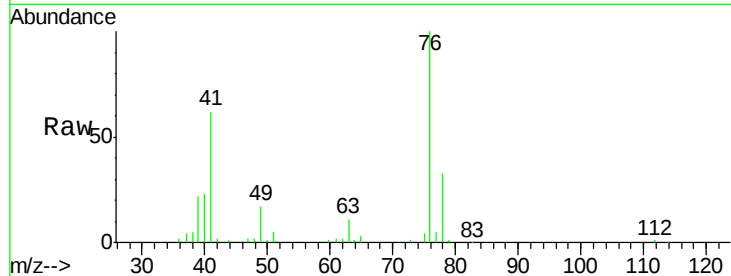
VD0322SBSD01

Tot Ion: 76 Resp: 154242

Ion Ratio Lower Upper

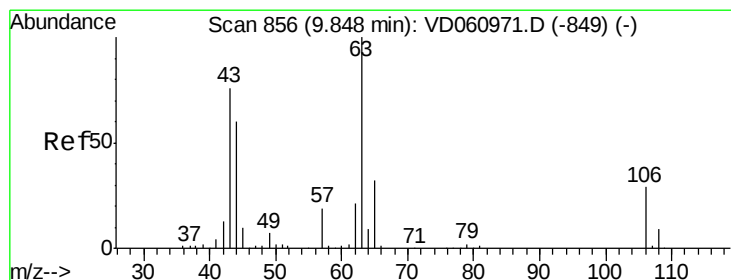
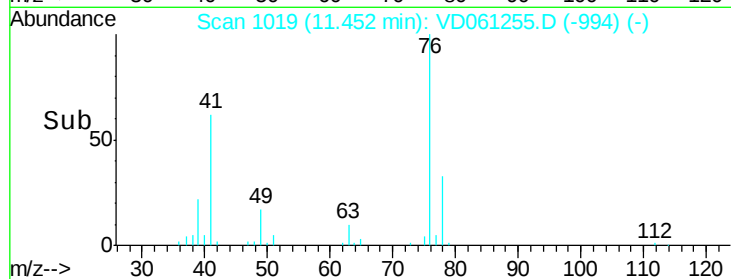
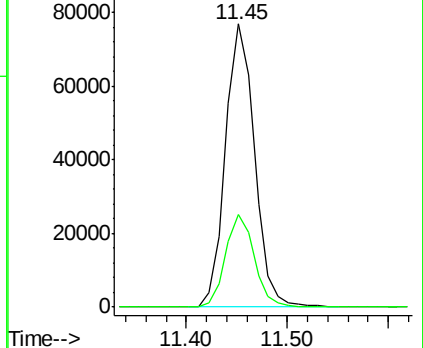
76 100

78 32.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 101.915 ug/l

RT: 9.91 min Scan# 862

Delta R.T. 0.06 min

Lab File: VD061255.D

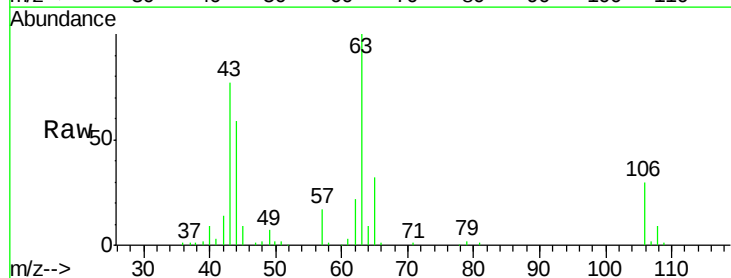
Acq: 22 Mar 2019 12:37

Tgt Ion: 63 Resp: 273429

Ion Ratio Lower Upper

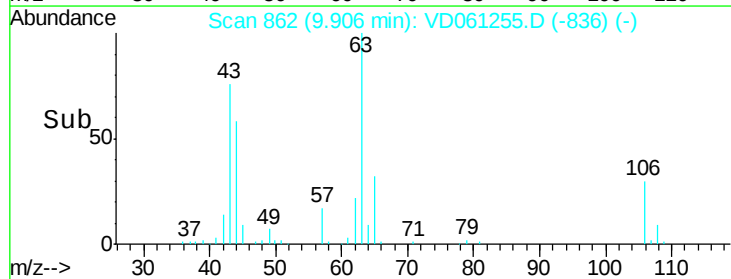
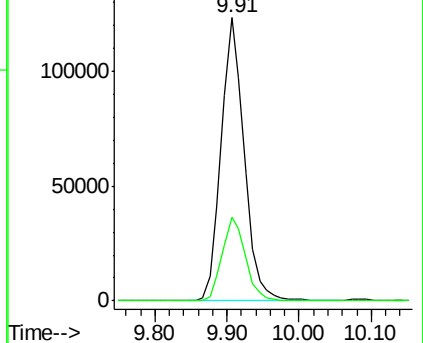
63 100

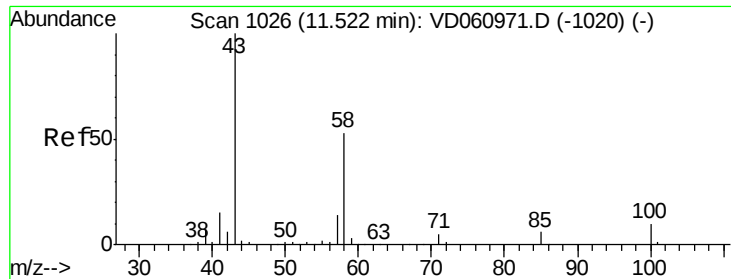
106 29.7 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 105.265 ug/l

RT: 11.57 min Scan# 1031

Delta R.T. 0.05 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

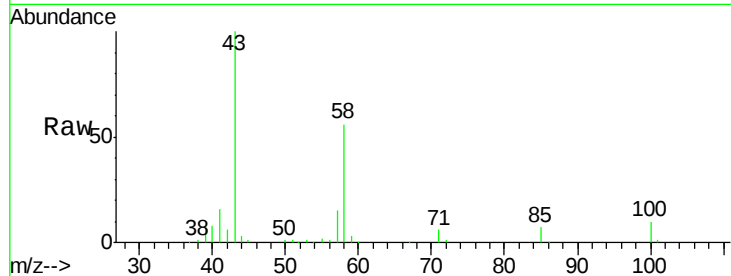
VD0322SBSD01

Tot Ion: 43 Resp: 286916

Ion Ratio Lower Upper

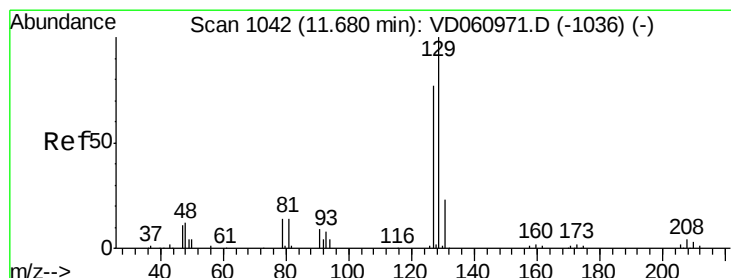
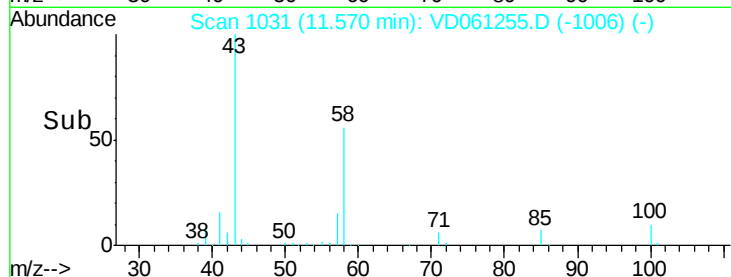
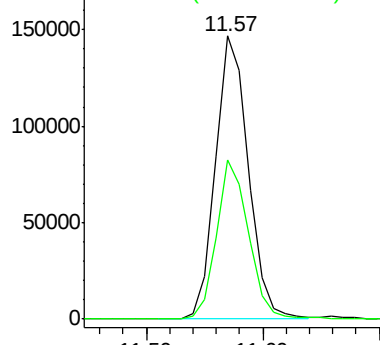
43 100

58 56.2 26.5 79.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.502 ug/l

RT: 11.73 min Scan# 1047

Delta R.T. 0.05 min

Lab File: VD061255.D

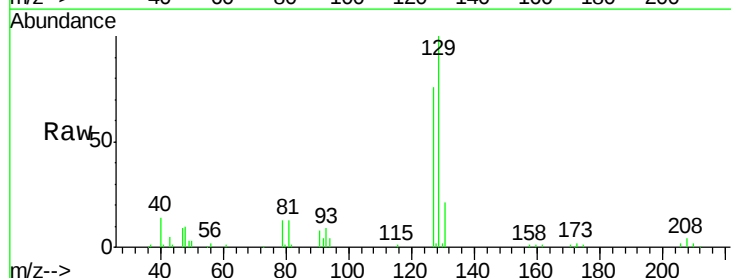
Acq: 22 Mar 2019 12:37

Tgt Ion: 129 Resp: 153238

Ion Ratio Lower Upper

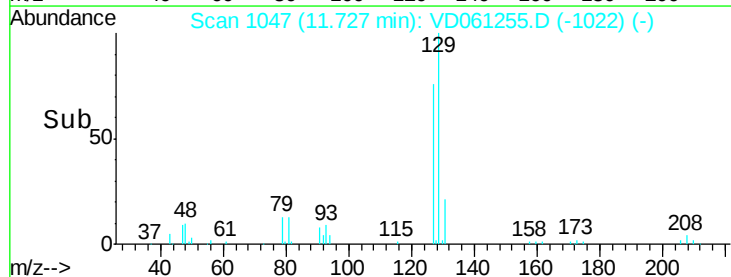
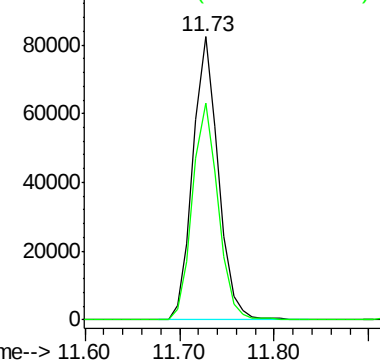
129 100

127 76.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

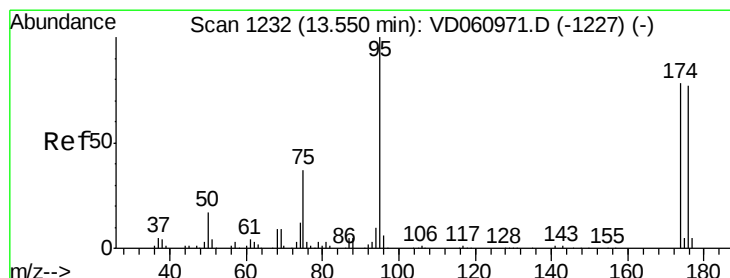
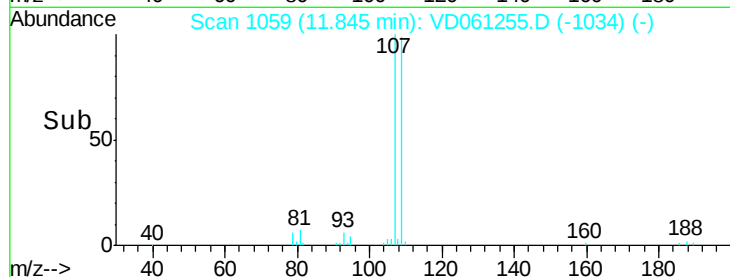
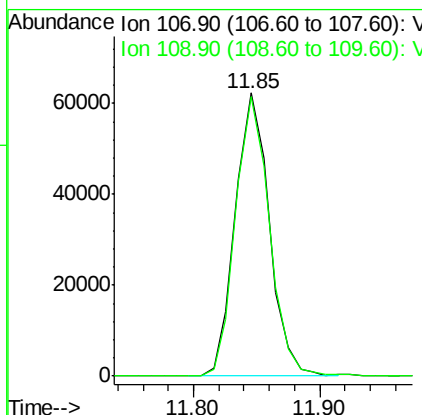
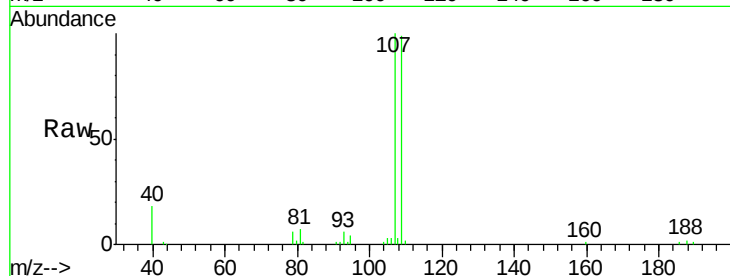




#61
 1,2-Dibromoethane
 Concen: 20.699 ug/l
 RT: 11.85 min Scan# 1059
 Delta R.T. 0.05 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

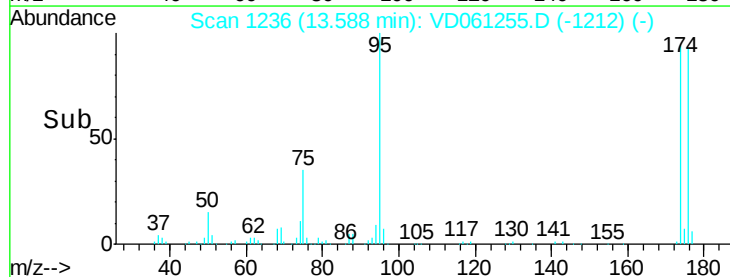
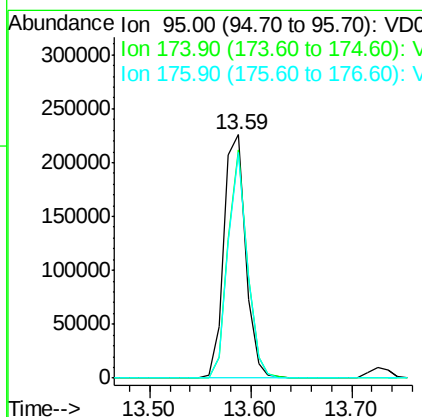
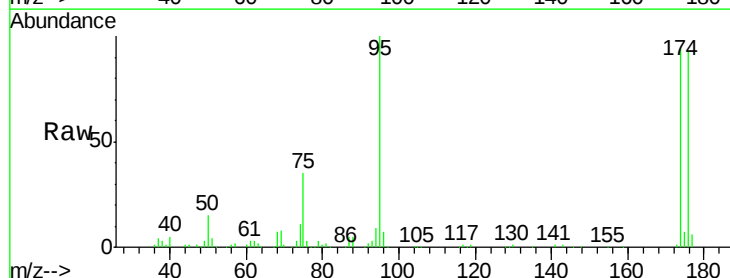
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

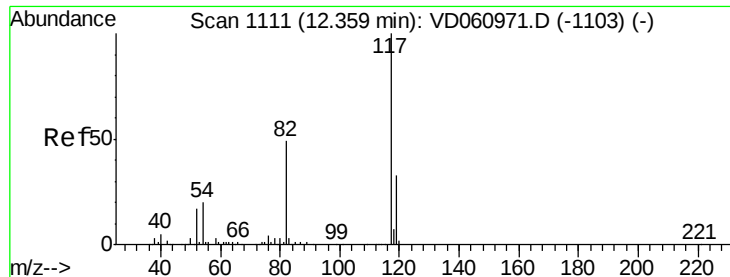
Tot Ion:107 Resp: 116600
 Ion Ratio Lower Upper
 107 100
 109 98.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.699 ug/l
 RT: 13.59 min Scan# 1236
 Delta R.T. 0.04 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 95 Resp: 339722
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 155.6
 176 92.8 0.0 153.8

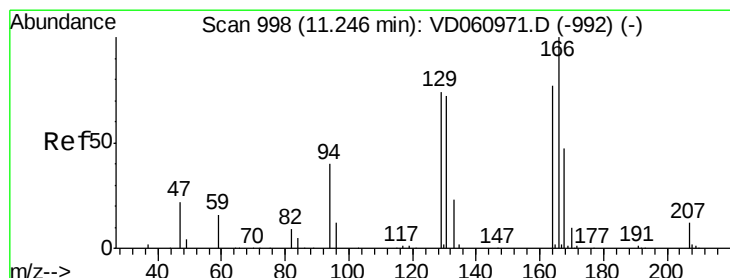
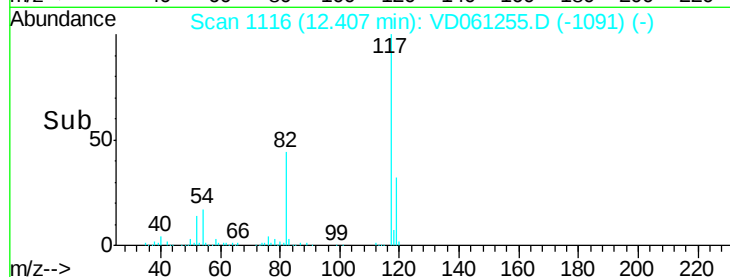
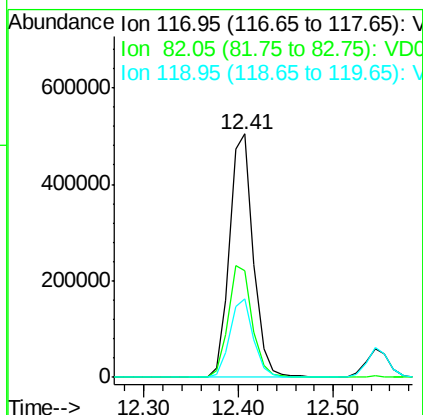
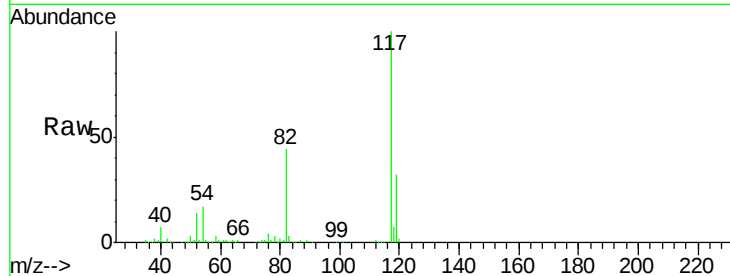




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.05 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

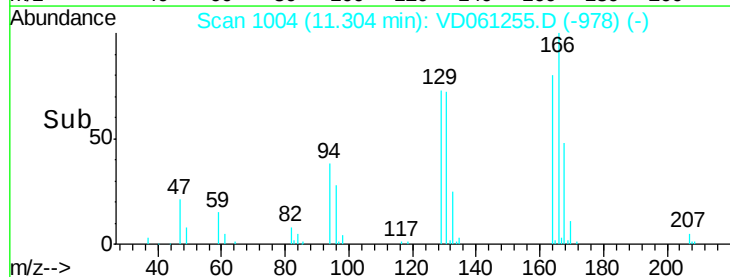
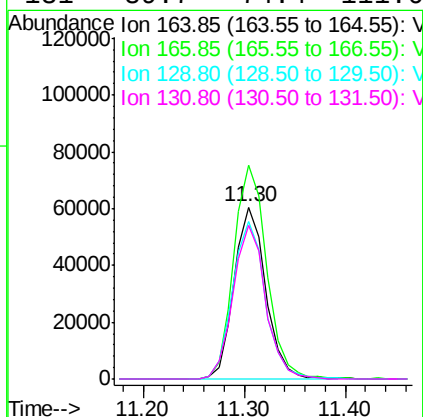
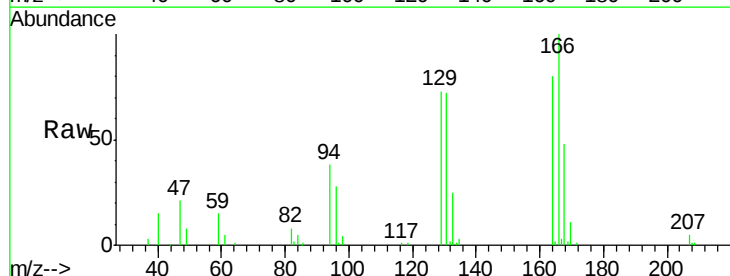
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

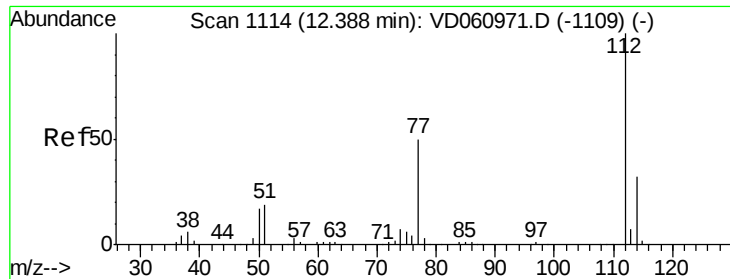
Tot Ion:117 Resp: 876988
Ion Ratio Lower Upper
117 100
82 43.9 38.9 58.3
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 22.300 ug/l
RT: 11.30 min Scan# 1004
Delta R.T. 0.06 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion:164 Resp: 132020
Ion Ratio Lower Upper
164 100
166 124.5 103.4 155.0
129 91.4 76.9 115.3
131 89.7 74.4 111.6

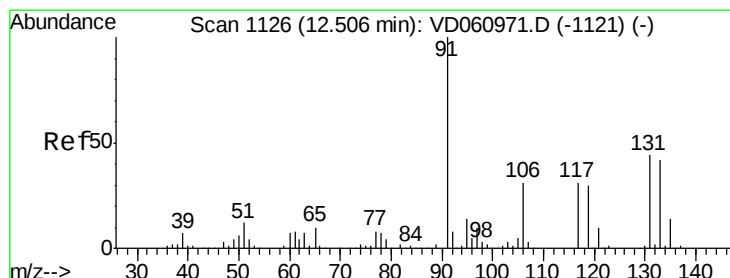
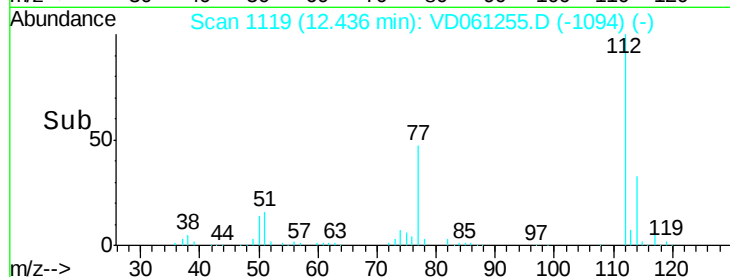
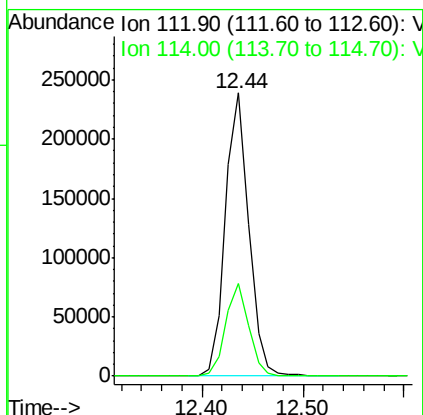
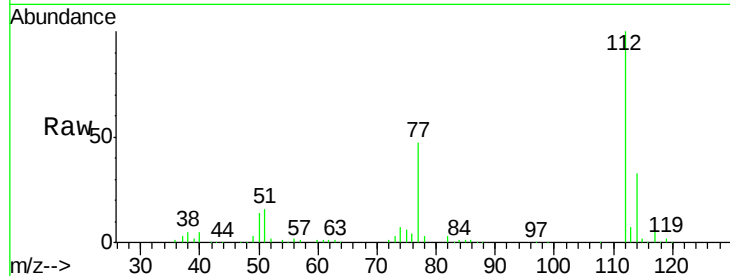




#65
Chlorobenzene
Concen: 22.432 ug/l
RT: 12.44 min Scan# 1119
Delta R.T. 0.05 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

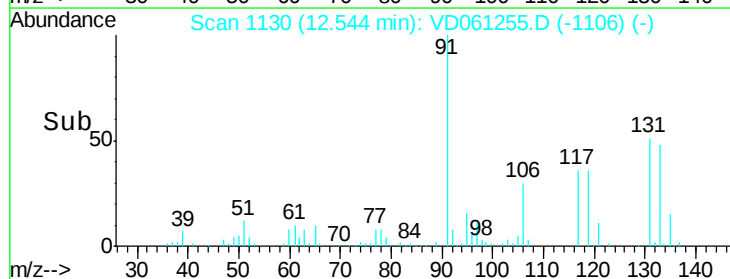
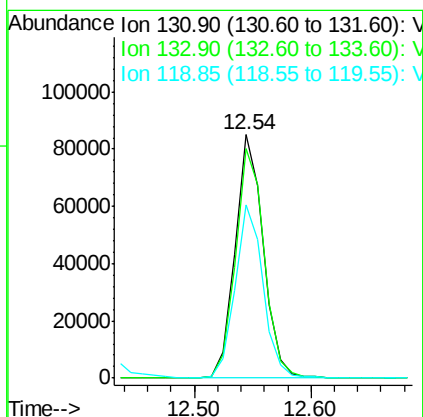
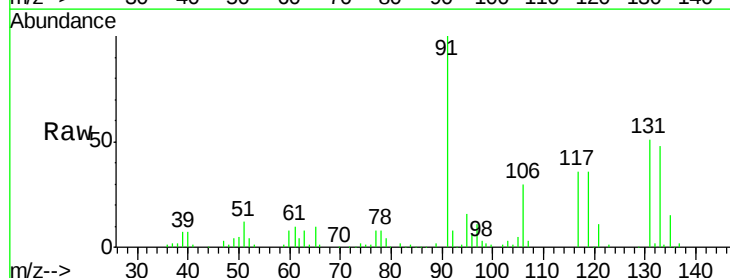
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBSD01

Tot Ion:112 Resp: 385658
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.071 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. 0.04 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion:131 Resp: 141388
Ion Ratio Lower Upper
131 100
133 94.4 47.8 143.3
119 71.2 34.3 102.9

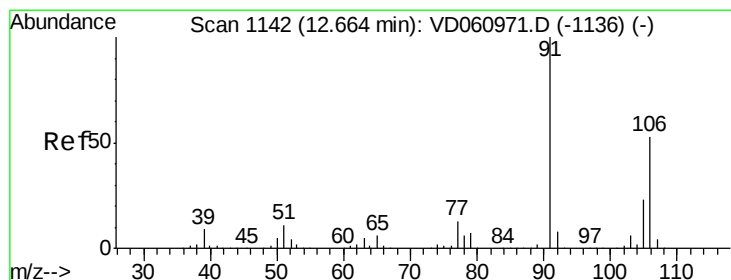
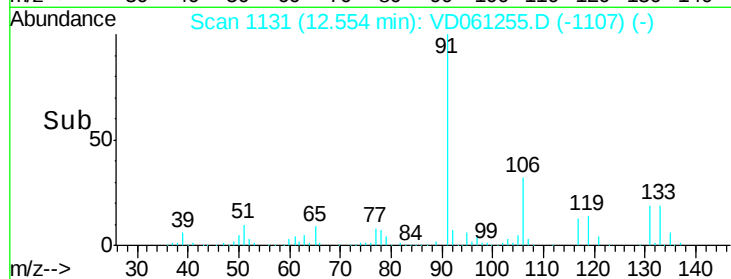
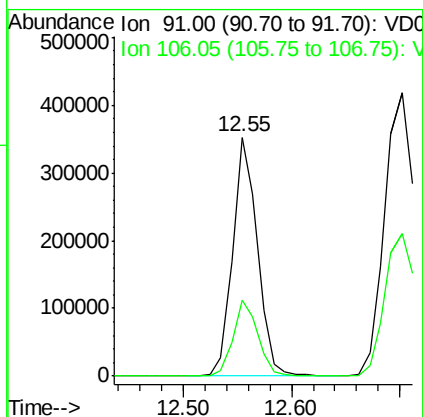
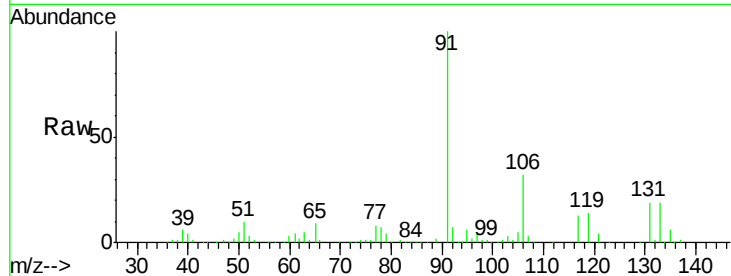




#67
Ethyl Benzene
Concen: 21.867 ug/l
RT: 12.55 min Scan# 1131
Delta R.T. 0.04 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

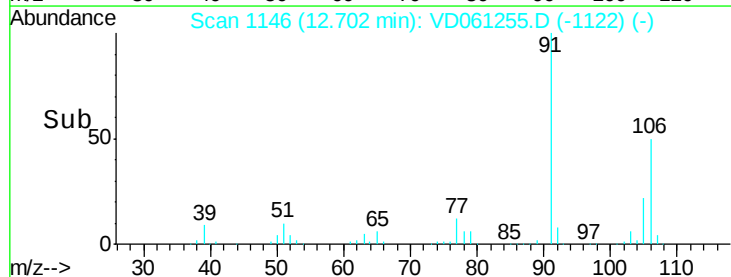
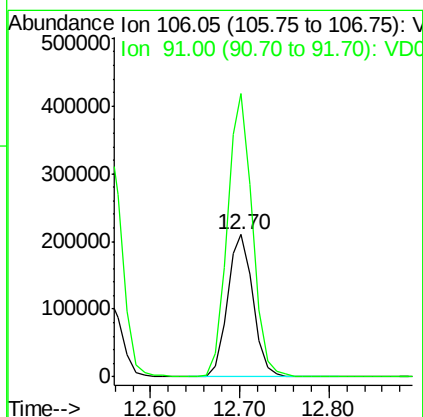
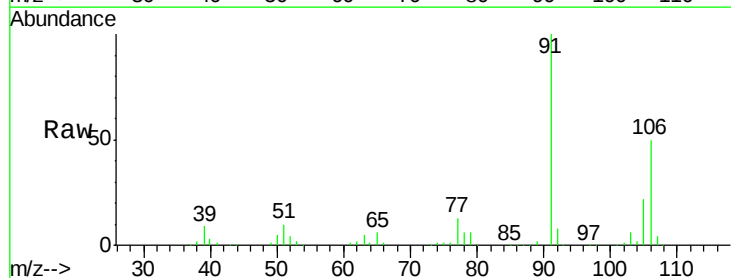
Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

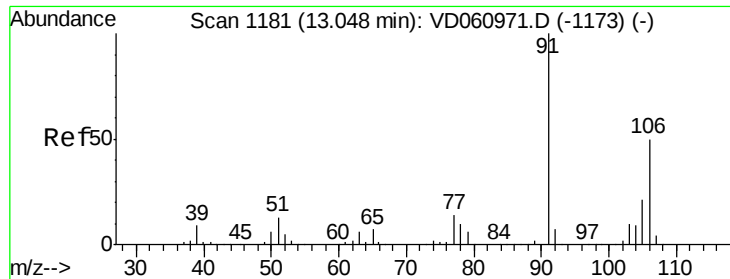
Tot Ion: 91 Resp: 559706
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 41.931 ug/l
RT: 12.70 min Scan# 1146
Delta R.T. 0.04 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 106 Resp: 421246
Ion Ratio Lower Upper
106 100
91 198.7 152.0 228.0

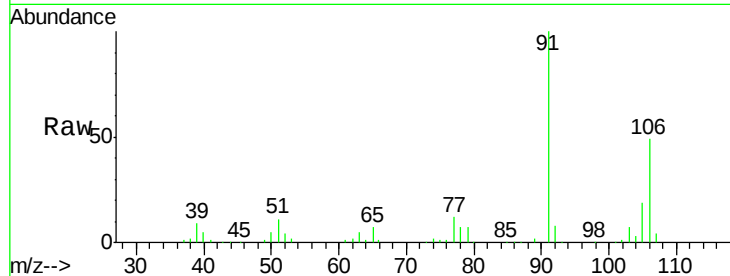




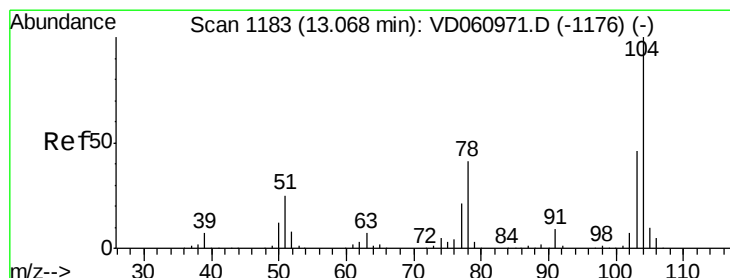
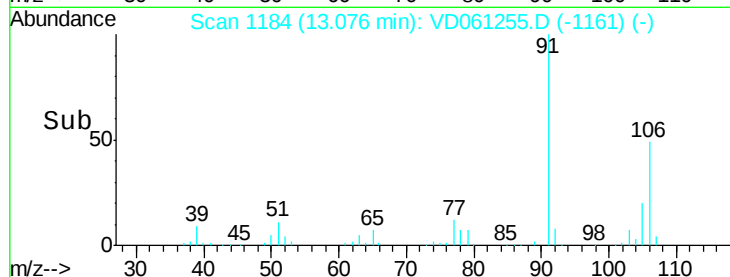
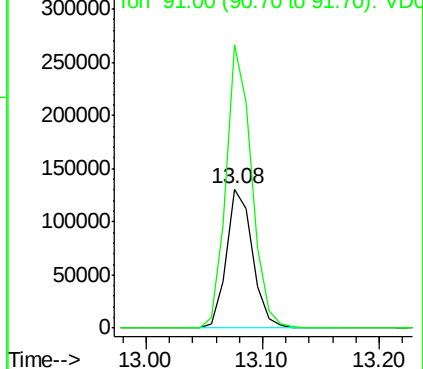
#69
o-Xylene
Concen: 20.526 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0322SBS01

Tot Ion:106 Resp: 202697
Ion Ratio Lower Upper
106 100
91 203.5 99.8 299.3

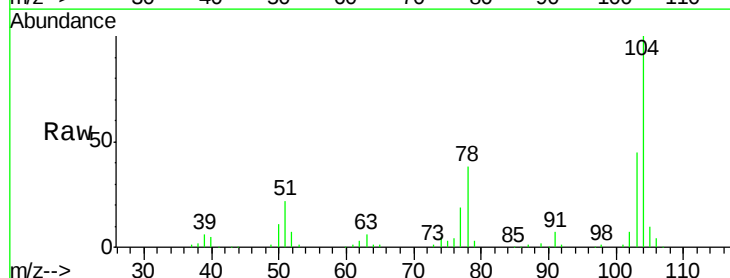


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

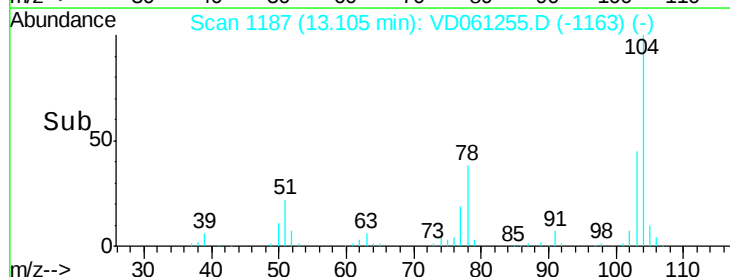
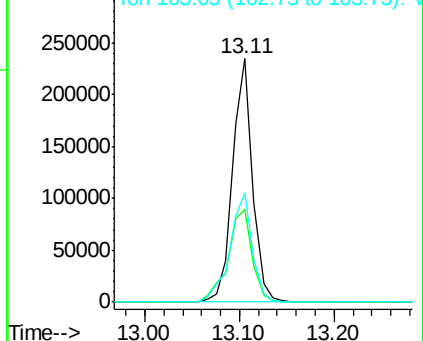


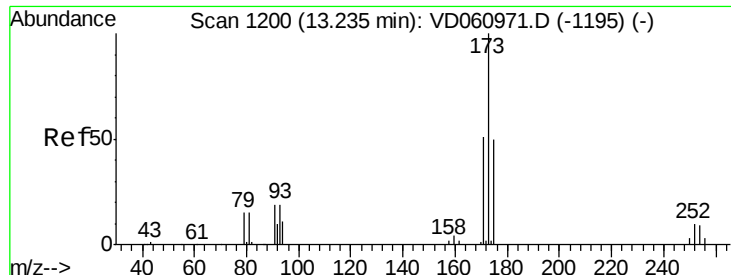
#70
Styrene
Concen: 21.167 ug/l
RT: 13.11 min Scan# 1187
Delta R.T. 0.04 min
Lab File: VD061255.D
Acq: 22 Mar 2019 12:37

Tgt Ion:104 Resp: 341314
Ion Ratio Lower Upper
104 100
78 38.2 33.0 49.4
103 44.8 37.1 55.7



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





#71

Bromoform

Concen: 21.980 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

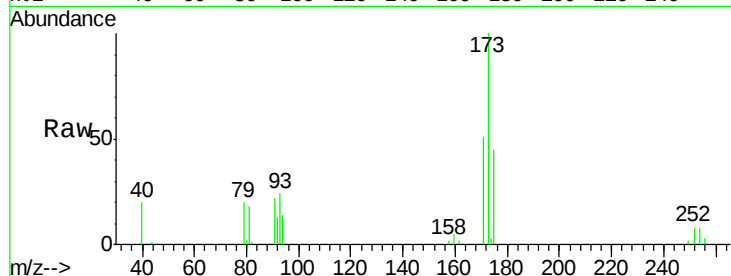
Tot Ion:173 Resp: 86895

Ion Ratio Lower Upper

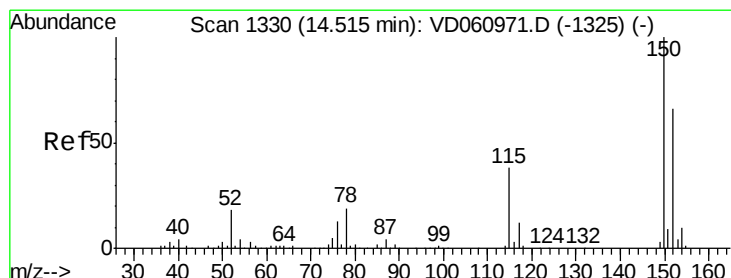
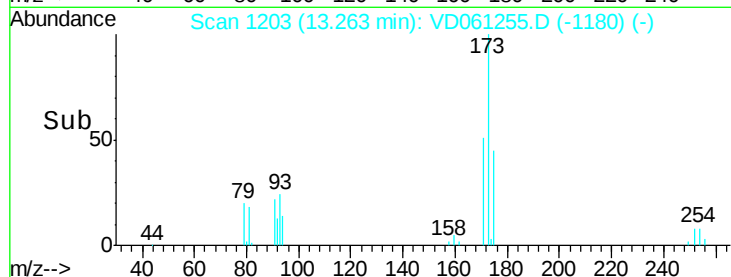
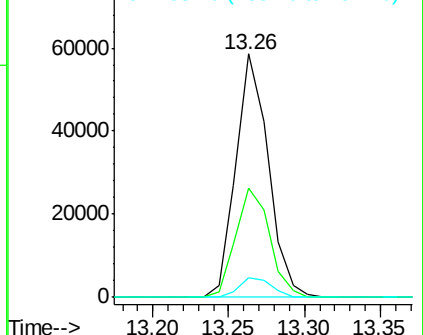
173 100

175 44.7 24.9 74.8

254 8.1 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

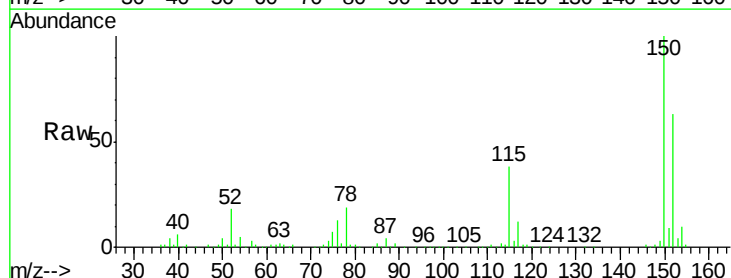
Tgt Ion:152 Resp: 341989

Ion Ratio Lower Upper

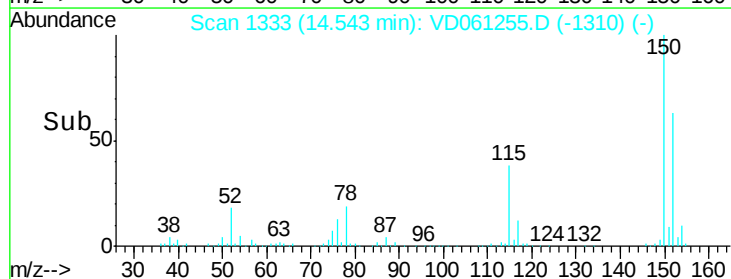
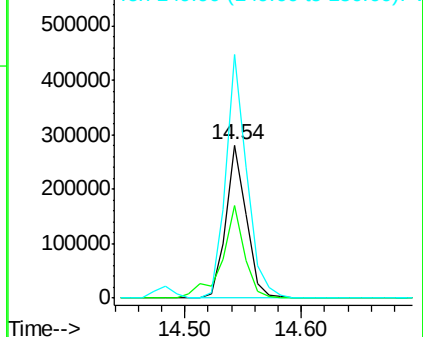
152 100

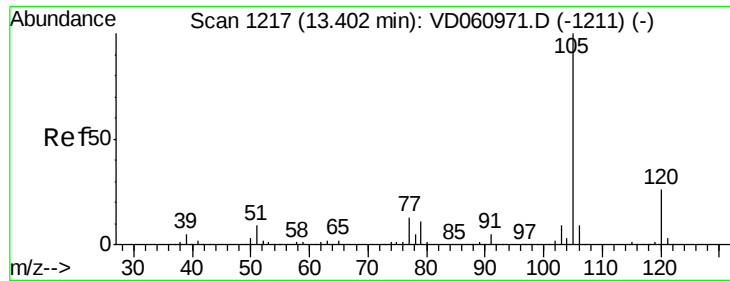
115 60.0 28.6 85.9

150 158.9 0.0 310.6



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





#73

Isopropylbenzene

Concen: 23.105 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

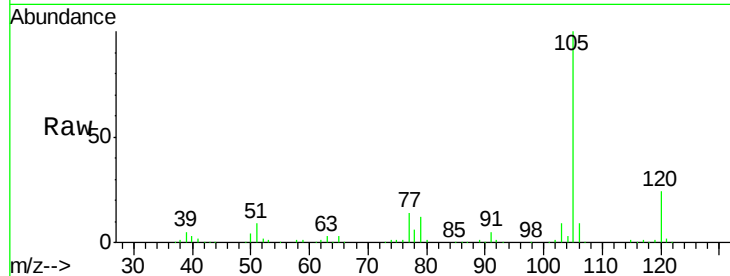
VD0322SBS01

Tot Ion:105 Resp: 569466

Ion Ratio Lower Upper

105 100

120 24.0 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.43

400000

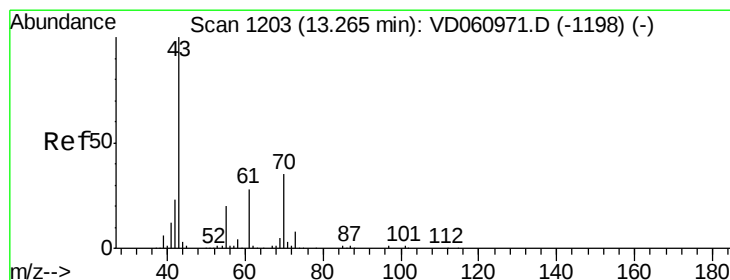
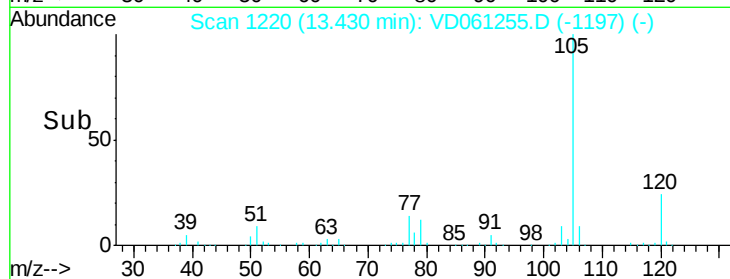
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.595 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 149863

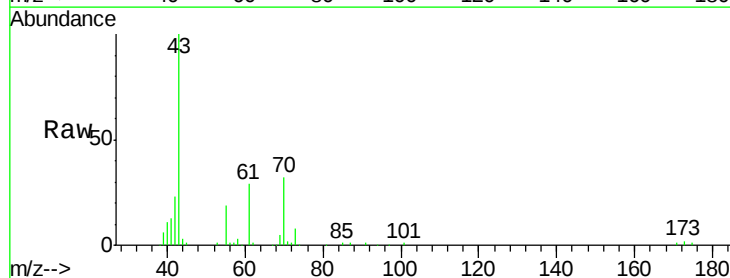
Ion Ratio Lower Upper

43 100

70 32.2 27.7 41.5

55 19.0 16.2 24.2

61 29.2 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

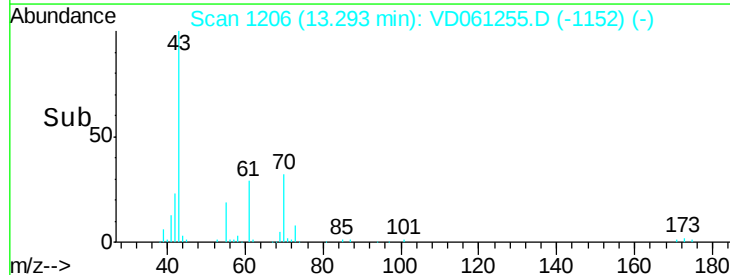
150000

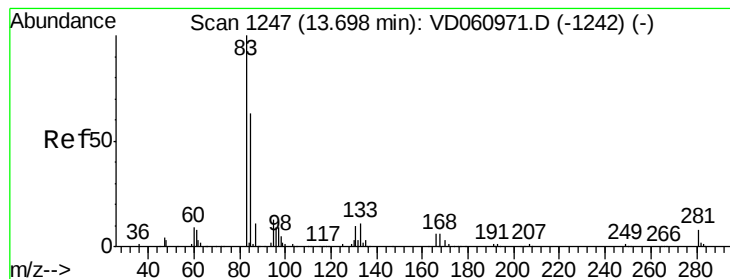
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.726 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

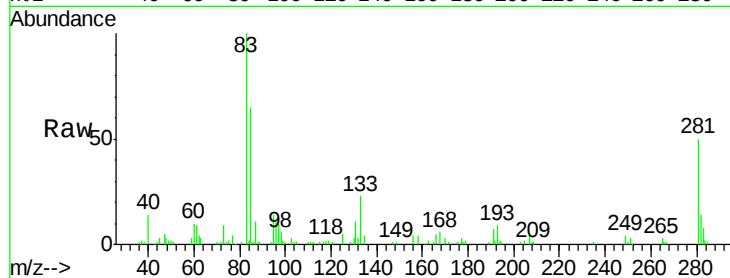
Tot Ion: 83 Resp: 104473

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.3

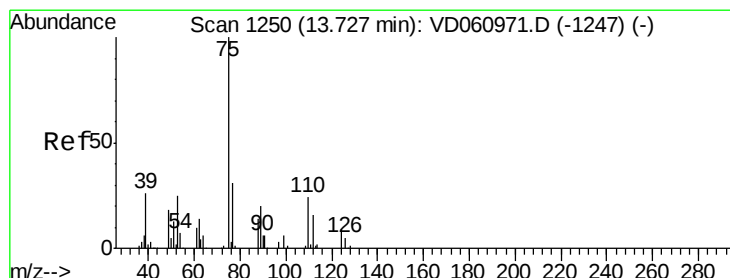
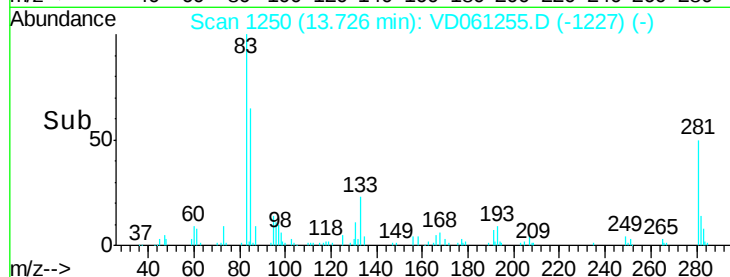
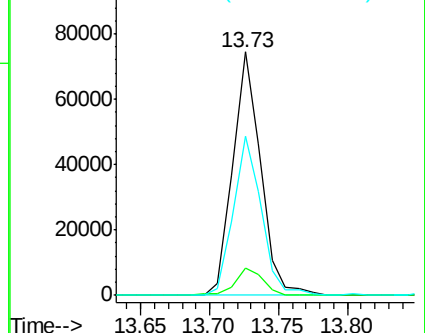
85 65.5 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.756 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.03 min

Lab File: VD061255.D

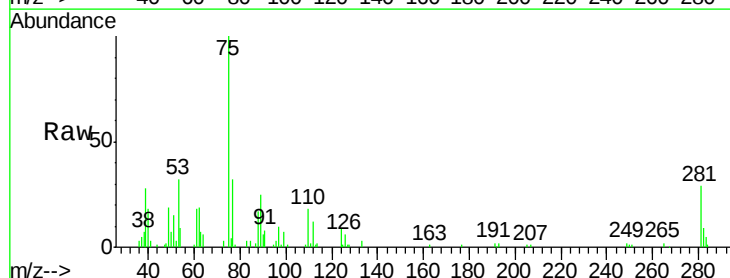
Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 116883

Ion Ratio Lower Upper

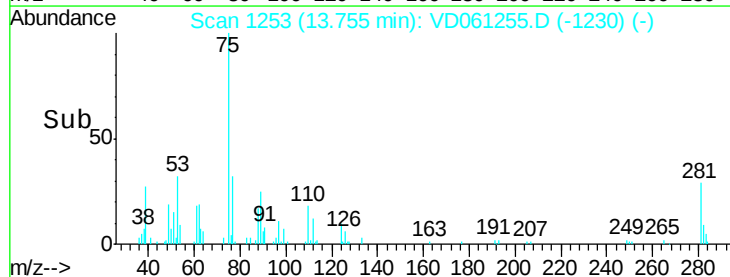
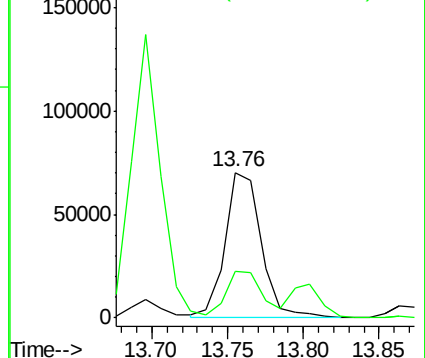
75 100

77 31.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.751 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

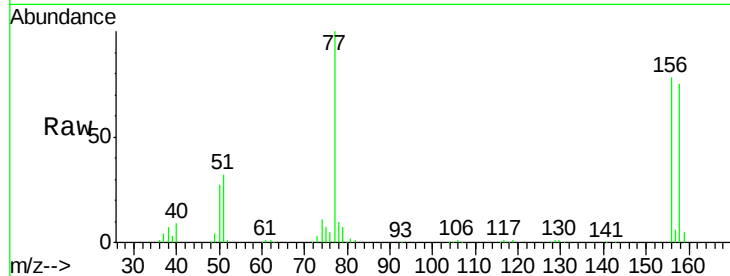
Tot Ion:156 Resp: 149431

Ion Ratio Lower Upper

156 100

77 127.7 55.5 166.7

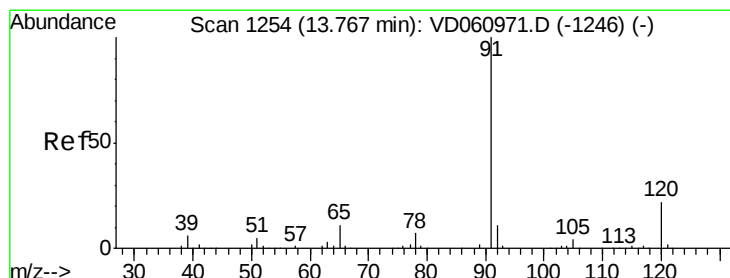
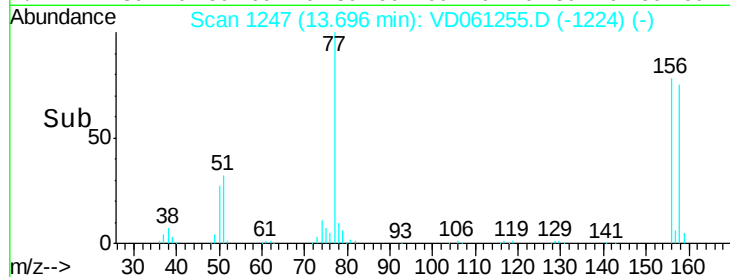
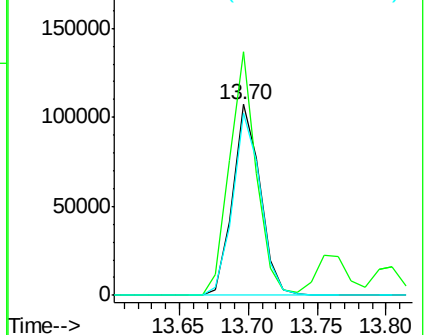
158 95.7 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.168 ug/l

RT: 13.80 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VD061255.D

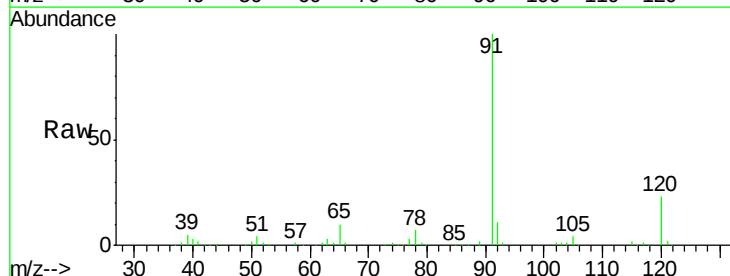
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 668465

Ion Ratio Lower Upper

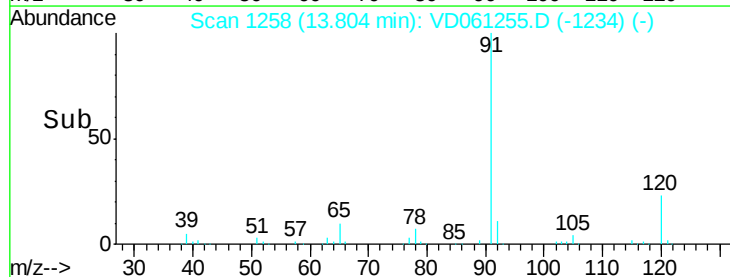
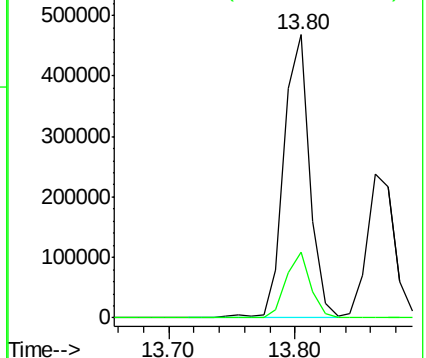
91 100

120 23.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

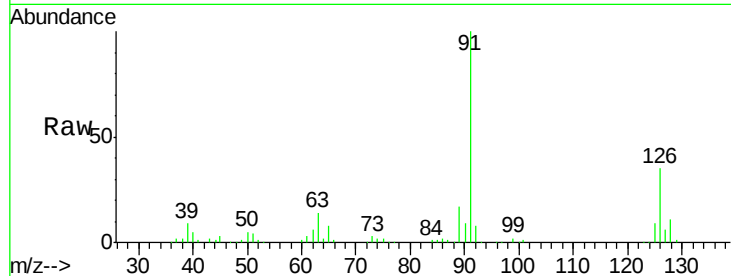




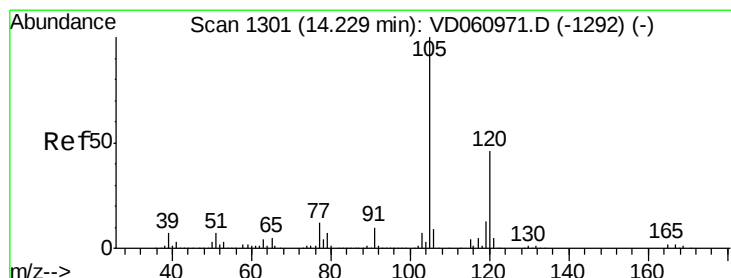
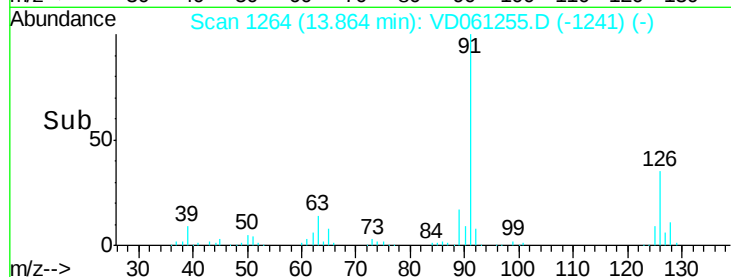
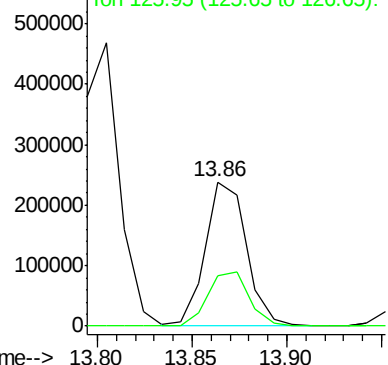
#79
 2-Chlorotoluene
 Concen: 22.121 ug/l
 RT: 13.86 min Scan# 1264
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBS01

Tot Ion: 91 Resp: 351385
 Ion Ratio Lower Upper
 91 100
 126 35.1 18.6 55.6

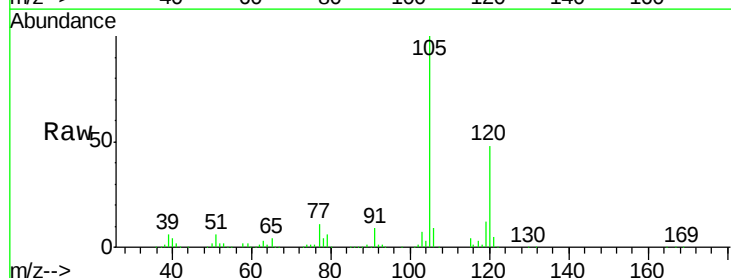


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

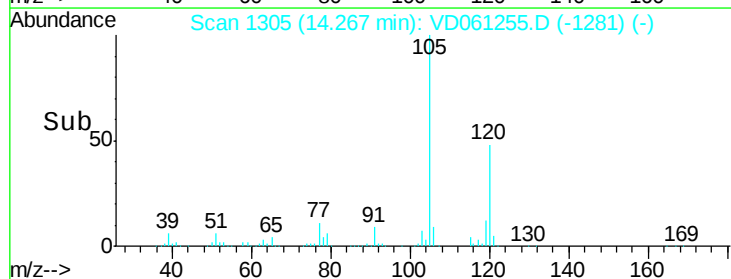
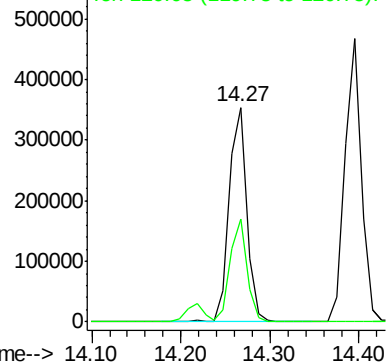


#80
 1,3,5-Trimethylbenzene
 Concen: 25.704 ug/l
 RT: 14.27 min Scan# 1305
 Delta R.T. 0.04 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 105 Resp: 480943
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.891 ug/l

RT: 13.50 min Scan# 1227

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

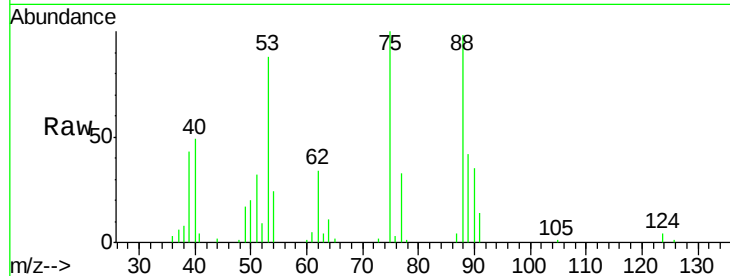
Tot Ion: 75 Resp: 33204

Ion Ratio Lower Upper

75 100

53 87.5 64.4 96.6

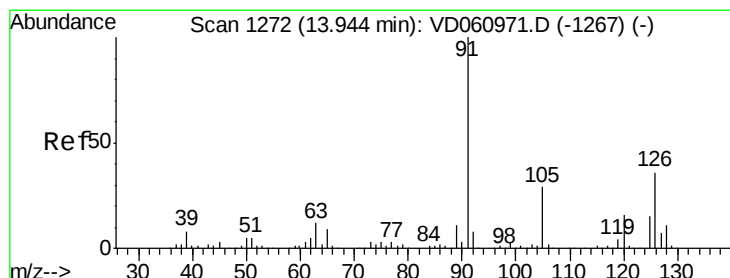
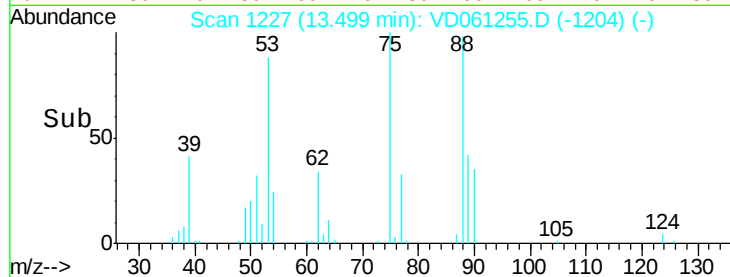
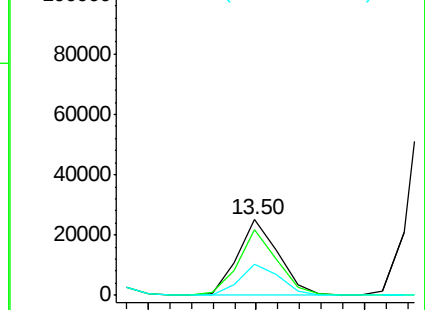
89 41.9 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.754 ug/l

RT: 13.97 min Scan# 1275

Delta R.T. 0.03 min

Lab File: VD061255.D

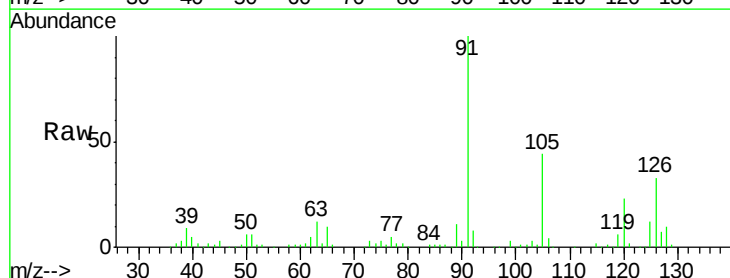
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 389736

Ion Ratio Lower Upper

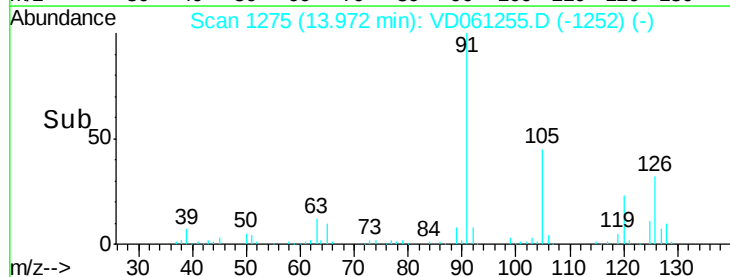
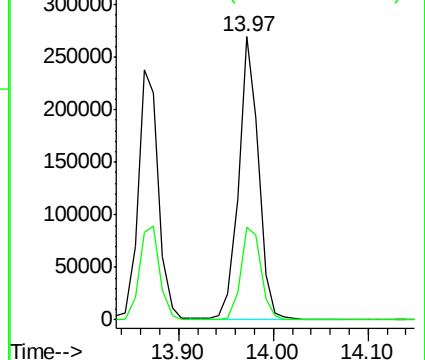
91 100

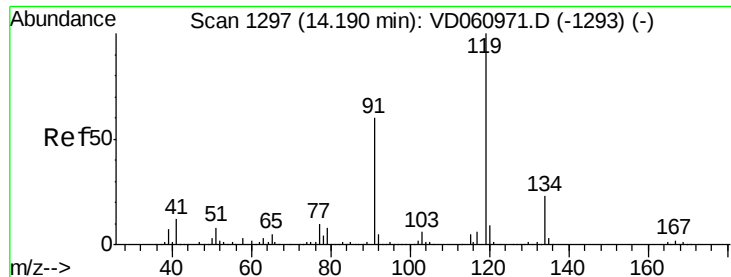
126 32.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 28.006 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

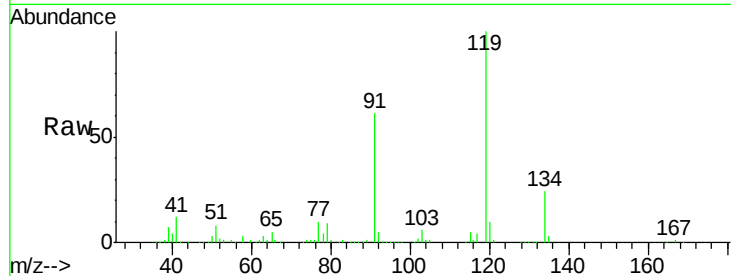
Tot Ion:119 Resp: 573471

Ion Ratio Lower Upper

119 100

91 60.7 30.1 90.3

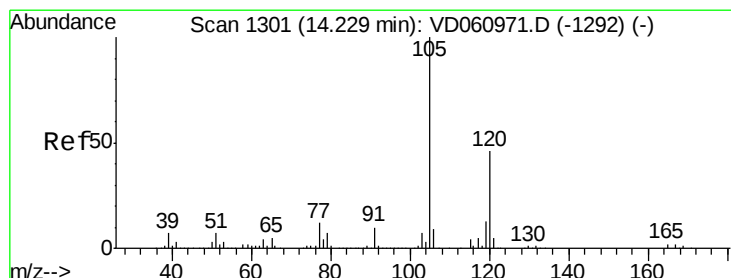
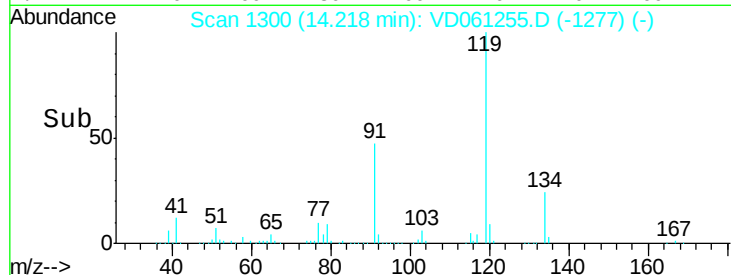
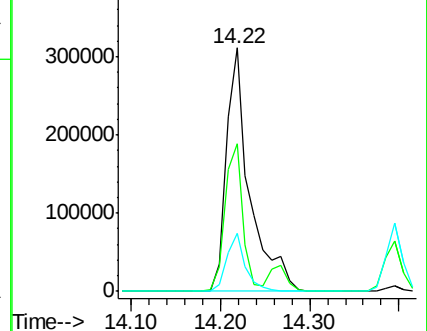
134 24.1 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 25.704 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.04 min

Lab File: VD061255.D

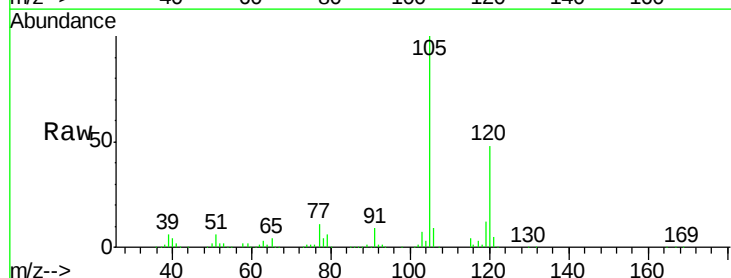
Acq: 22 Mar 2019 12:37

Tgt Ion:105 Resp: 480943

Ion Ratio Lower Upper

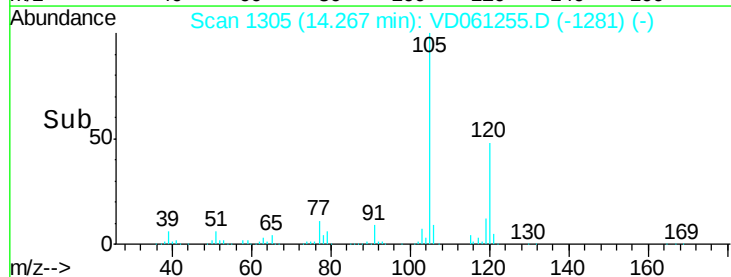
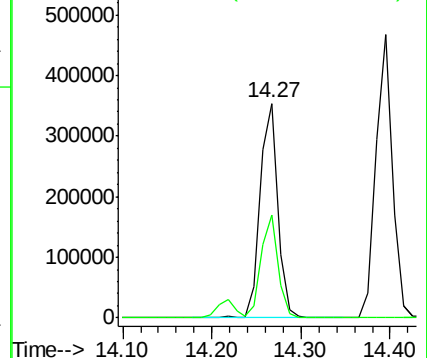
105 100

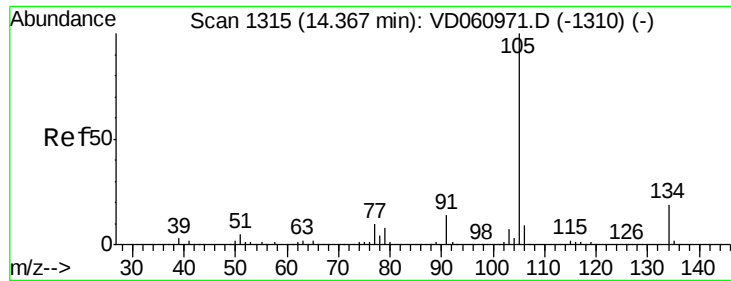
120 48.1 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

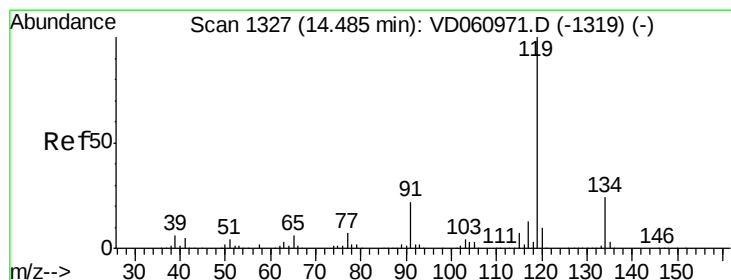
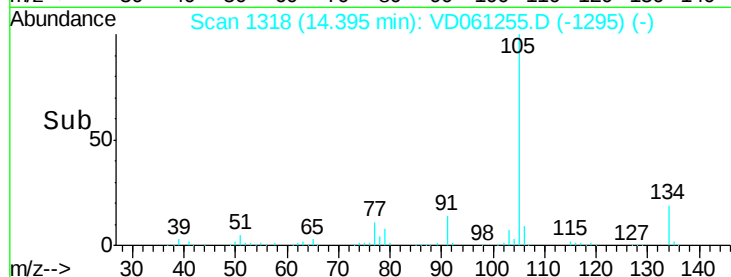
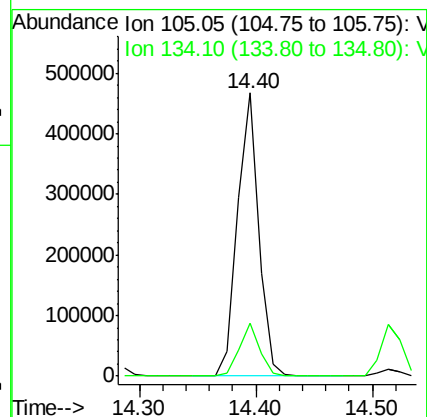
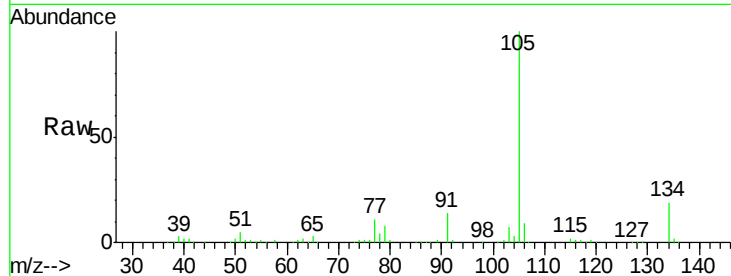




#85
 sec-Butylbenzene
 Concen: 23.634 ug/l
 RT: 14.40 min Scan# 1318
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

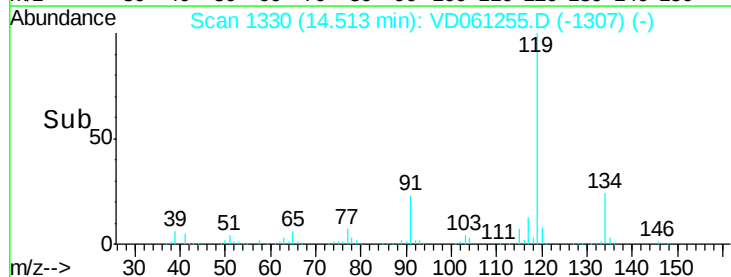
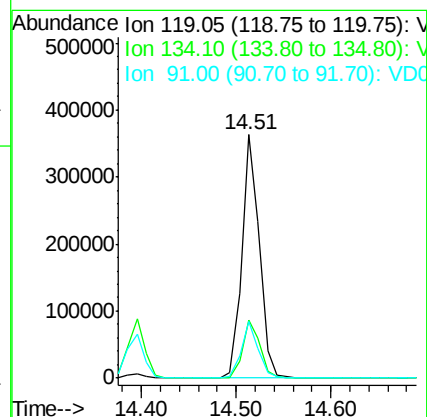
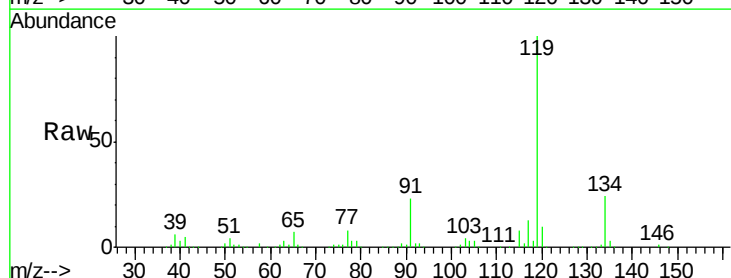
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0322SBSD01

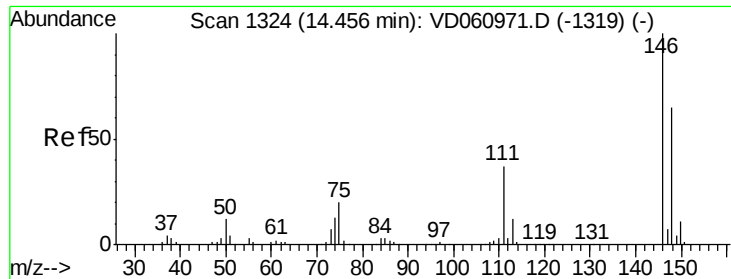
Tot Ion:105 Resp: 590804
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.658 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:119 Resp: 462982
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.0 36.1
 91 23.1 11.2 33.6

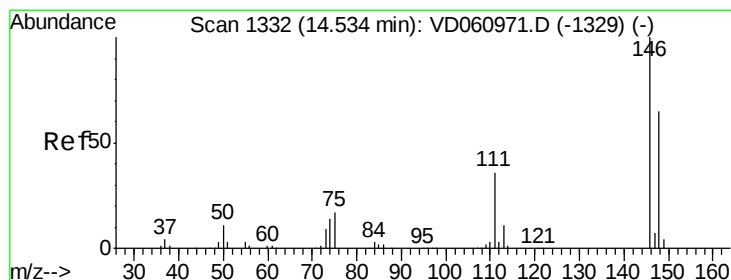
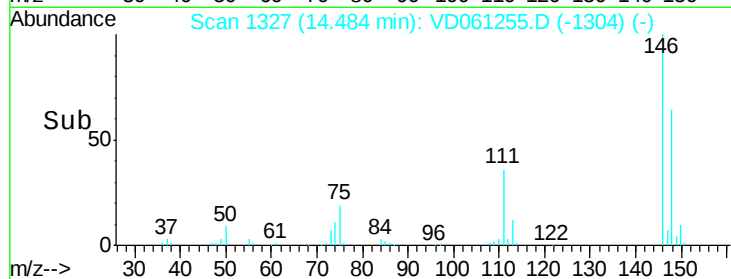
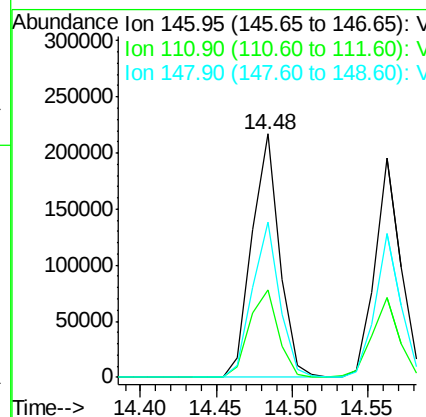
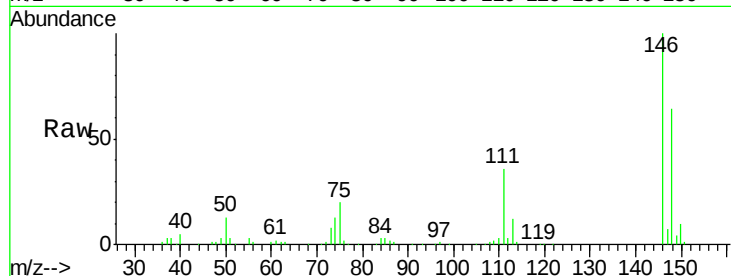




#87
 1,3-Dichlorobenzene
 Concen: 24.640 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

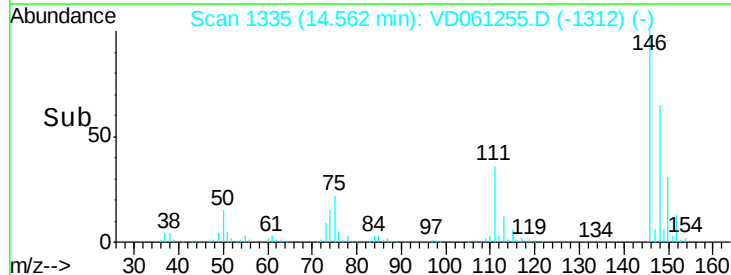
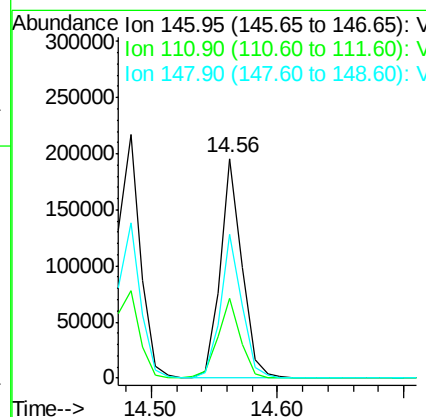
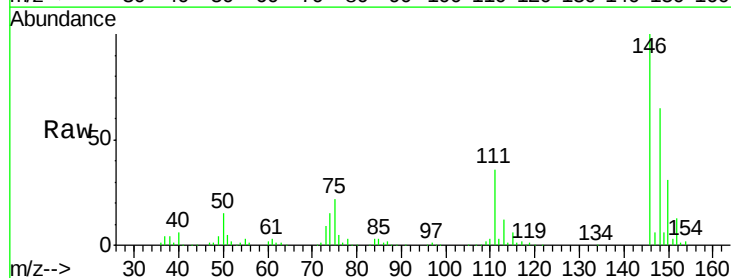
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

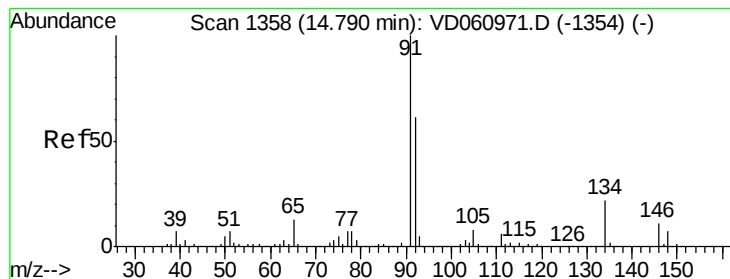
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.4
148	64.0	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 21.384 ug/l
 RT: 14.56 min Scan# 1335
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.2
148	65.2	32.5	97.5





#89

n-Butylbenzene

Concen: 22.152 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBS01

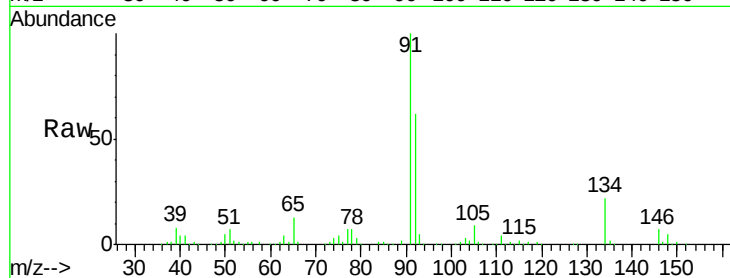
Tot Ion: 91 Resp: 434670

Ion Ratio Lower Upper

91 100

92 62.0 30.6 91.8

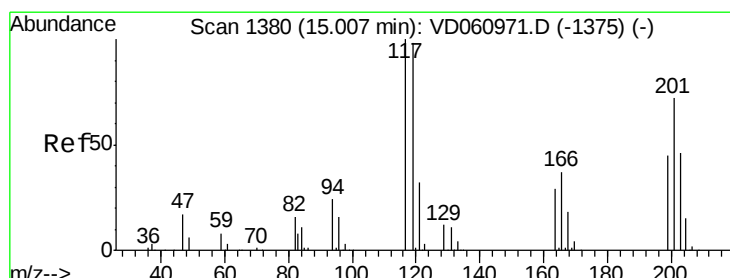
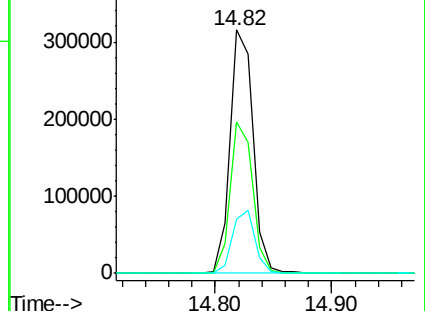
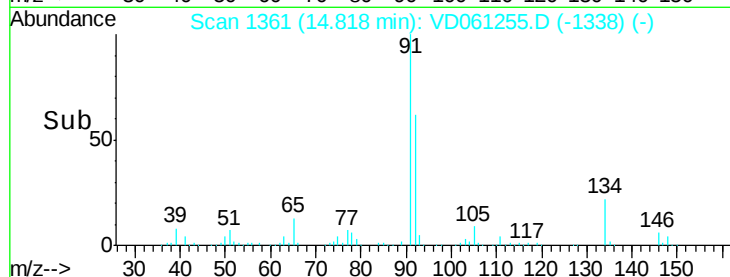
134 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.288 ug/l

RT: 15.03 min Scan# 1383

Delta R.T. 0.03 min

Lab File: VD061255.D

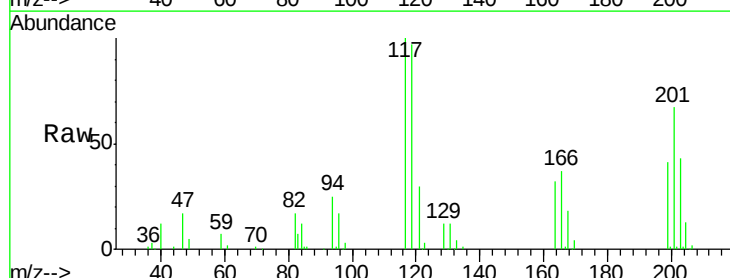
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 134366

Ion Ratio Lower Upper

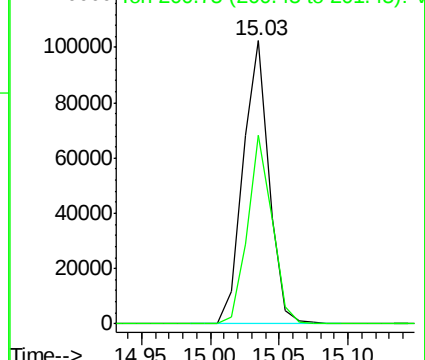
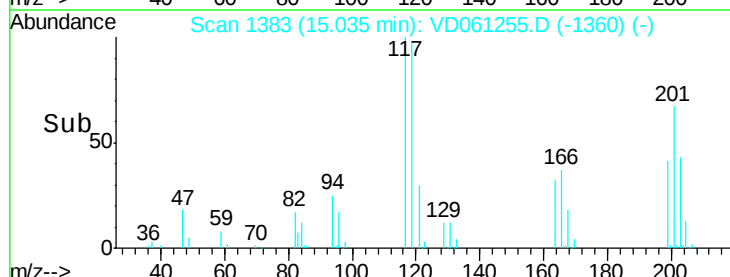
117 100

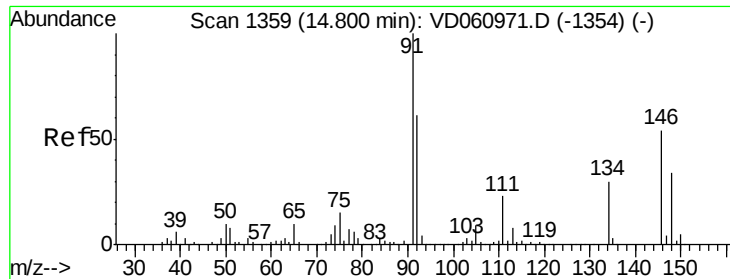
201 66.6 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

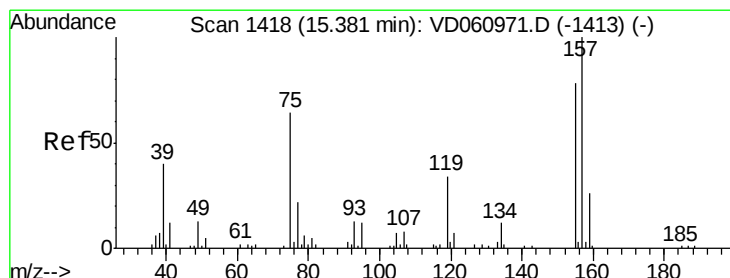
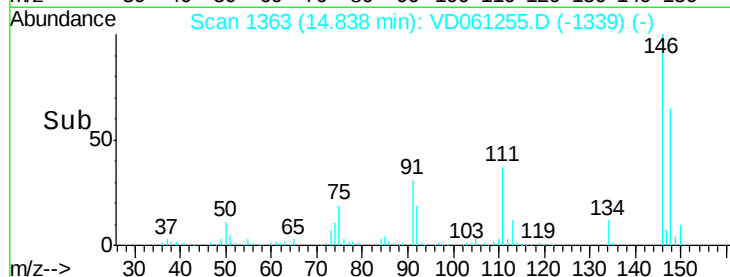
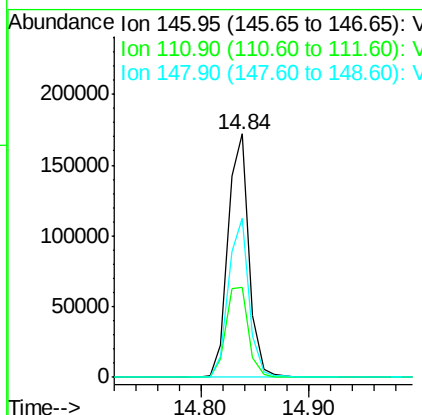
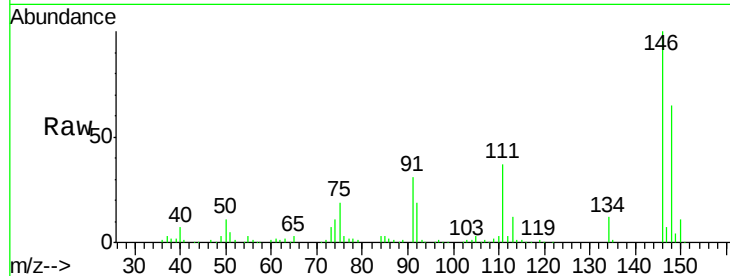




#91
 1,2-Dichlorobenzene
 Concen: 24.750 ug/l
 RT: 14.84 min Scan# 1363
 Delta R.T. 0.04 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

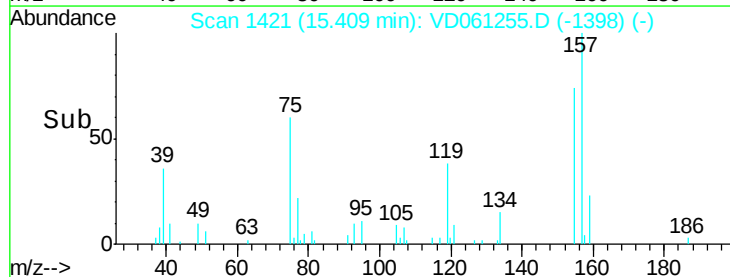
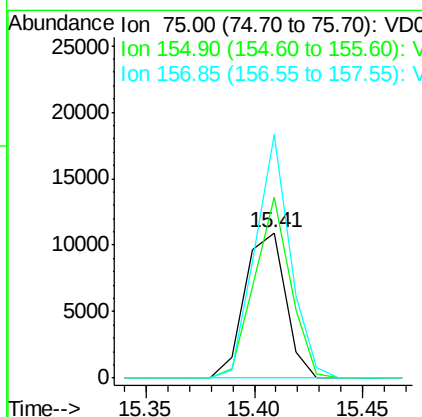
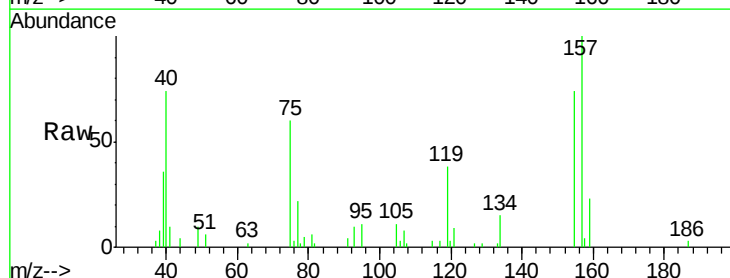
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

Tot Ion:146 Resp: 231802
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.5 64.5
 148 65.3 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.655 ug/l
 RT: 15.41 min Scan# 1421
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 14287
 Ion Ratio Lower Upper
 75 100
 155 124.7 61.2 183.5
 157 167.4 78.3 234.8

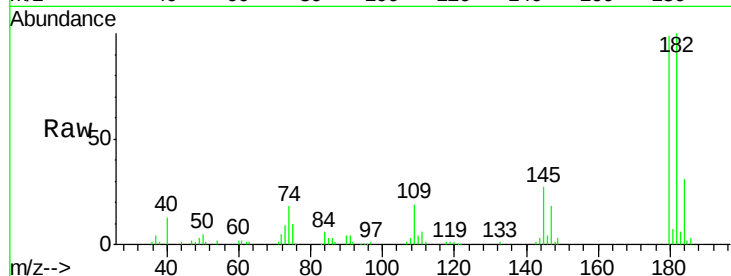




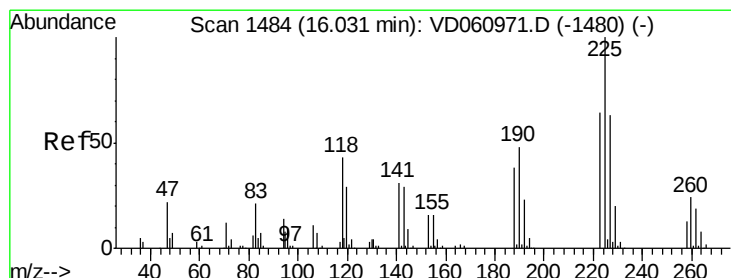
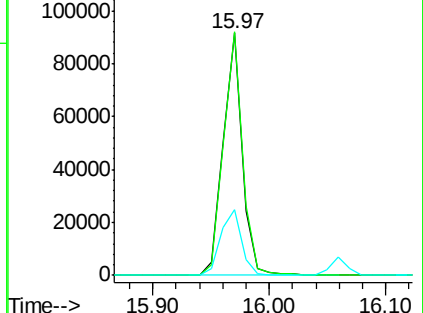
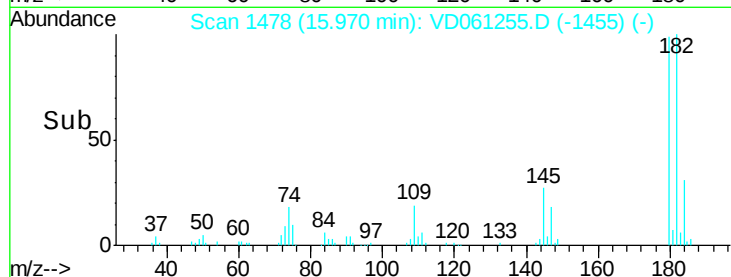
#93
 1,2,4-Trichlorobenzene
 Concen: 23.985 ug/l
 RT: 15.97 min Scan# 1478
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBSD01

Tot Ion:180 Resp: 104207
 Ion Ratio Lower Upper
 180 100
 182 100.6 47.3 142.0
 145 27.1 14.4 43.0

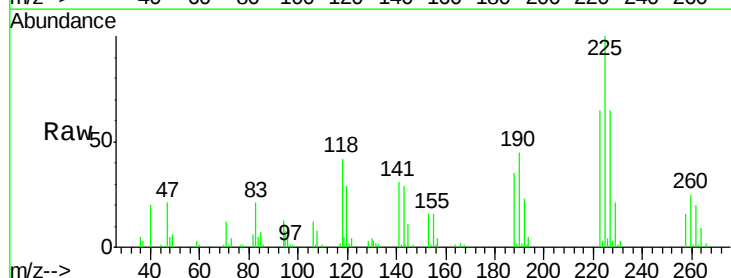


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

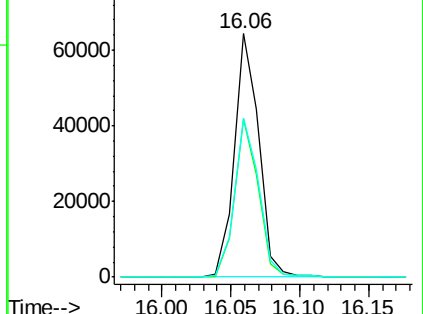
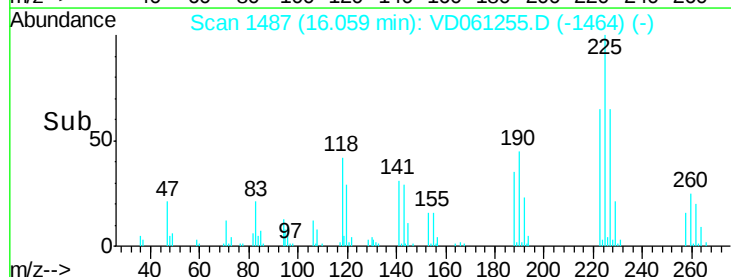


#94
 Hexachlorobutadiene
 Concen: 24.150 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. 0.03 min
 Lab File: VD061255.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:225 Resp: 79365
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.8 95.3
 227 65.5 31.4 94.0



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





#95

Naphthalene

Concen: 23.122 ug/l

RT: 16.15 min Scan# 1496

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBSD01

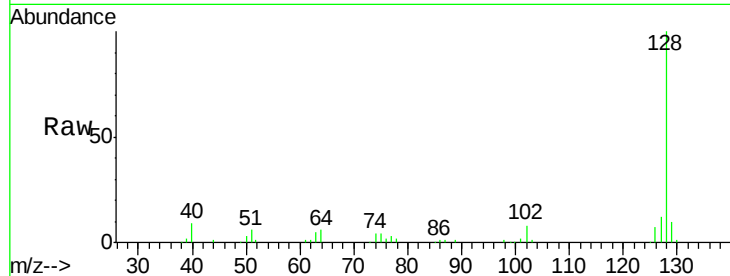
Tot Ion:128 Resp: 152659

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

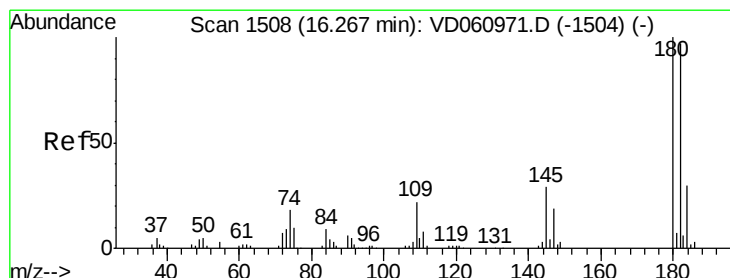
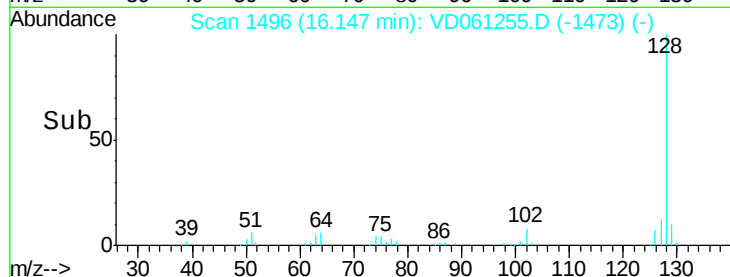
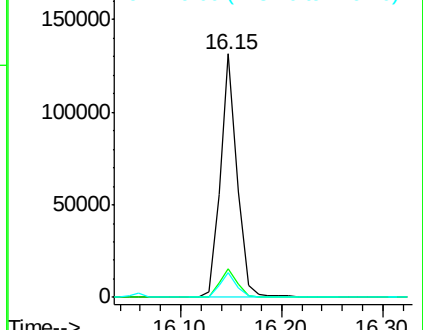
129 10.0 8.5 12.7



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: 21.035 ug/l

RT: 16.30 min Scan# 1511

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

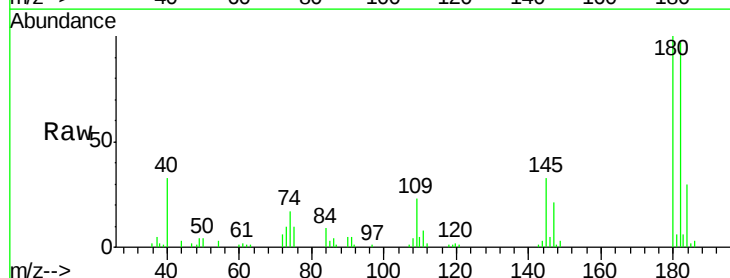
Tgt Ion:180 Resp: 45139

Ion Ratio Lower Upper

180 100

182 96.6 48.6 145.8

145 33.4 14.3 42.9



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

