

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061446.D
 Acq On : 31 Mar 2019 14:55
 Operator : VA/AP
 Sample : VD0331SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:53:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	683915	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1087875	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	894664	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	433812	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	283647	48.55	ug/l	0.05
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	6.95	113	436872	52.55	ug/l	0.05
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.43	98	1042186	52.27	ug/l	0.04
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	13.57	95	406559	53.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	143730	19.679	ug/l	98
3) Chloromethane	1.77	50	118433	19.882	ug/l	98
4) Vinyl Chloride	1.86	62	110383	20.182	ug/l	99
5) Bromomethane	2.16	94	20087	18.521	ug/l	94
6) Chloroethane	2.28	64	27983	17.447	ug/l #	87
7) Trichlorofluoromethane	2.54	101	163678	20.580	ug/l	100
8) Diethyl Ether	2.89	74	47946	18.724	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.17	101	175853	20.567	ug/l	99
10) Methyl Iodide	3.33	142	223302	19.454	ug/l	99
11) Tert butyl alcohol	4.09	59	37993	104.423	ug/l	97
12) 1,1-Dichloroethene	3.14	96	150220	20.463	ug/l	98
13) Acrolein	3.05	56	29132	90.467	ug/l	93
14) Allyl chloride	3.65	41	207623	20.278	ug/l	99
15) Acrylonitrile	4.22	53	133627	105.817	ug/l	95
16) Acetone	3.24	43	138988	92.544	ug/l	97
17) Carbon Disulfide	3.40	76	450135	18.873	ug/l	98
18) Methyl Acetate	3.67	43	65302	20.680	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	282720	22.249	ug/l	95
20) Methylene Chloride	3.84	84	177559	19.951	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	171145	21.594	ug/l	96
22) Diisopropyl ether	5.15	45	467481	21.576	ug/l	97
23) Vinyl Acetate	5.08	43	1241591	105.493	ug/l	100
24) 1,1-Dichloroethane	5.01	63	257506	20.223	ug/l	99
25) 2-Butanone	6.10	43	180007	95.282	ug/l	97
26) 2,2-Dichloropropane	6.05	77	205589	20.310	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	172601	19.877	ug/l	97
28) Bromochloromethane	6.47	49	98583	19.179	ug/l #	95
29) Tetrahydrofuran	6.48	42	91351	99.762	ug/l	98
30) Chloroform	6.70	83	278502	21.167	ug/l	97
31) Cyclohexane	6.98	56	208702	20.741	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	238342	20.533	ug/l	93
36) 1,1-Dichloropropene	7.17	75	215453	22.692	ug/l	97
37) Ethyl Acetate	6.21	43	86327	21.259	ug/l	99
38) Carbon Tetrachloride	7.14	117	236349	21.663	ug/l	97

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Quant Time: Apr 01 01:53:45 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	215091	21.751	ug/l	97
40) Benzene	7.48	78	527891	22.153	ug/l	97
41) Methacrylonitrile	6.47	41	101909	21.464	ug/l #	92
42) 1,2-Dichloroethane	7.60	62	174253	24.447	ug/l	97
43) Isopropyl Acetate	9.27	43	130622	22.109	ug/l	97
44) Trichloroethene	8.57	130	185527	20.921	ug/l	96
45) 1,2-Dichloropropane	8.96	63	130582	21.611	ug/l	99
46) Dibromomethane	9.09	93	86542	21.279	ug/l	95
47) Bromodichloromethane	9.39	83	208750	22.869	ug/l	96
48) Methyl methacrylate	9.15	41	72562	22.254	ug/l	97
49) 1,4-Dioxane	9.10	88	15403	428.281	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	383119	106.585	ug/l	96
52) Toluene	10.53	92	340619	23.430	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	192546	23.217	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	230213	22.797	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	110062	21.648	ug/l	96
56) Ethyl methacrylate	11.06	69	118476	21.692	ug/l	99
57) 1,3-Dichloropropane	11.43	76	169887	22.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	297157	111.721	ug/l	98
59) 2-Hexanone	11.55	43	290294	111.467	ug/l	99
60) Dibromochloromethane	11.71	129	171481	21.879	ug/l	100
61) 1,2-Dibromoethane	11.83	107	131746	22.379	ug/l	93
64) Tetrachloroethene	11.27	164	158212	22.532	ug/l	99
65) Chlorobenzene	12.42	112	392996	21.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	164040	23.172	ug/l	98
67) Ethyl Benzene	12.54	91	658872	23.609	ug/l	96
68) m/p-Xylenes	12.68	106	435137	41.161	ug/l	96
69) o-Xylene	13.07	106	241159	23.507	ug/l	95
70) Styrene	13.09	104	420177	23.495	ug/l	98
71) Bromoform	13.25	173	95150	21.203	ug/l	100
73) Isopropylbenzene	13.42	105	674717	22.347	ug/l	98
74) N-amyl acetate	13.27	43	156364	18.591	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	126243	19.821	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	131402	20.969	ug/l	96
77) Bromobenzene	13.69	156	176534	19.722	ug/l	82
78) n-propylbenzene	13.79	91	776012	21.002	ug/l	98
79) 2-Chlorotoluene	13.85	91	382845	19.083	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	517785	22.103	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	39970	20.919	ug/l	95
82) 4-Chlorotoluene	13.96	91	463586	21.251	ug/l	99
83) tert-Butylbenzene	14.20	119	593634	20.277	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	482484	19.024	ug/l	99
85) sec-Butylbenzene	14.38	105	623527	20.048	ug/l	99
86) p-Isopropyltoluene	14.50	119	624127	23.732	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	332942	21.966	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	318103	21.520	ug/l	98
89) n-Butylbenzene	14.81	91	530381	21.972	ug/l	98
90) Hexachloroethane	15.02	117	152206	20.486	ug/l	68
91) 1,2-Dichlorobenzene	14.82	146	272648	21.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15822	21.180	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

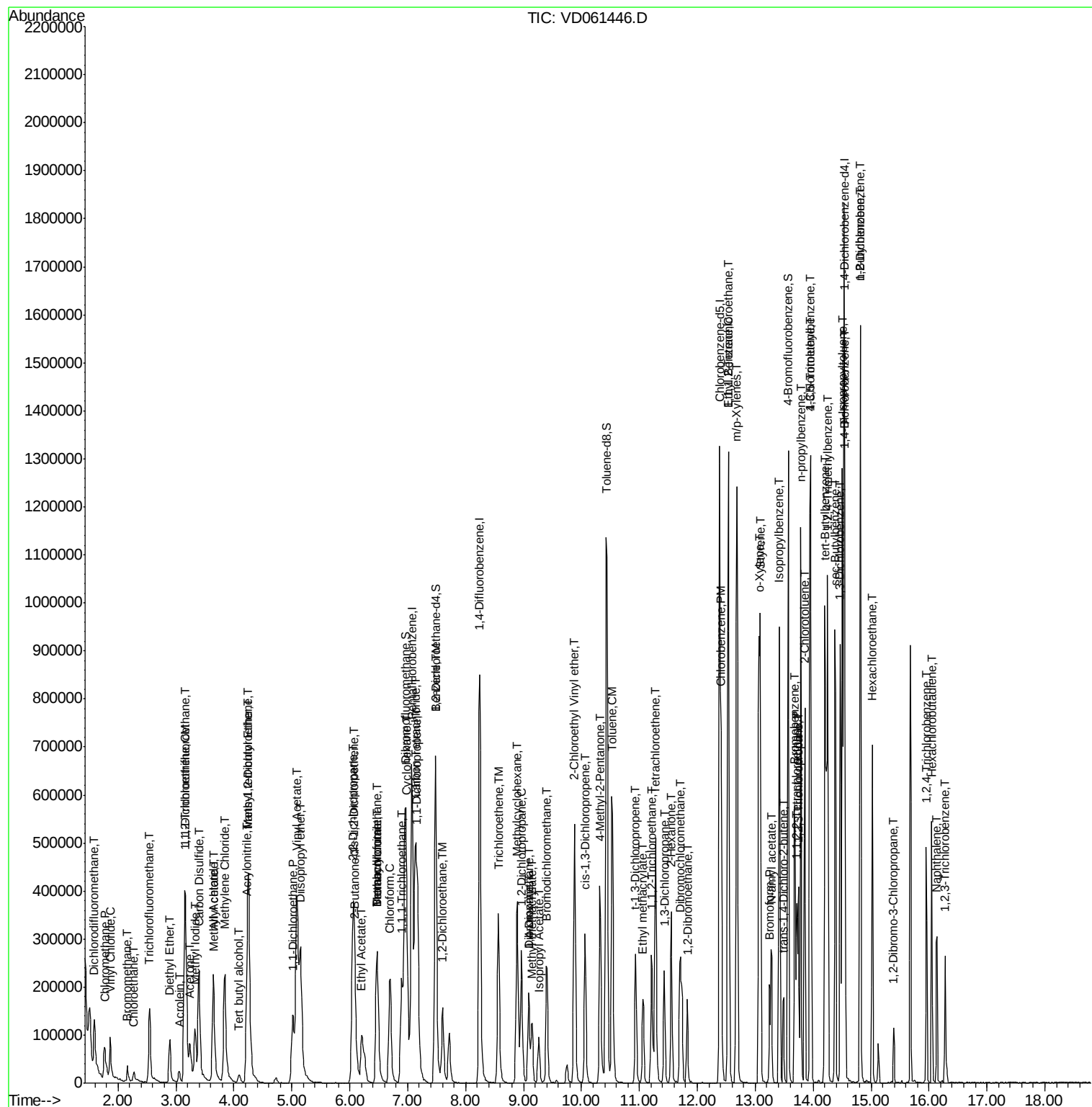
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	131300	23.183	ug/l	97
94) Hexachlorobutadiene	16.05	225	92488	20.898	ug/l	100
95) Naphthalene	16.14	128	221847	25.698	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	75149	30.153	ug/l	94

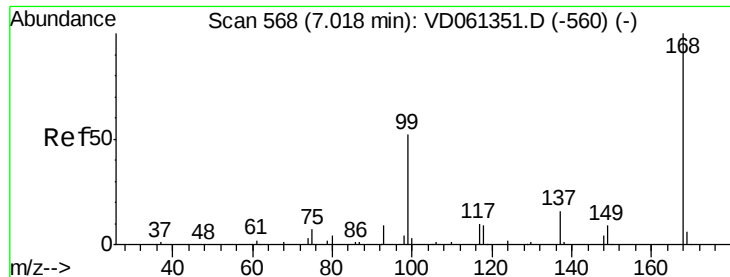
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033119\
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Sample : VD0331SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Apr 01 01:53:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

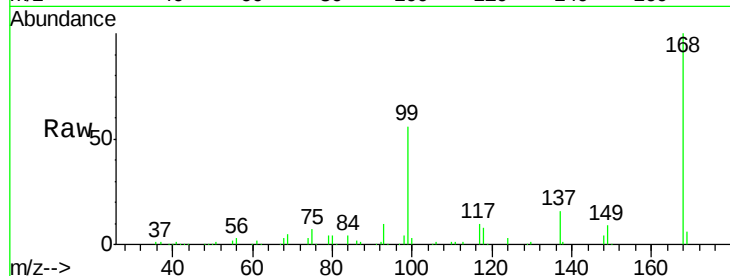
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 683915

Ion Ratio Lower Upper

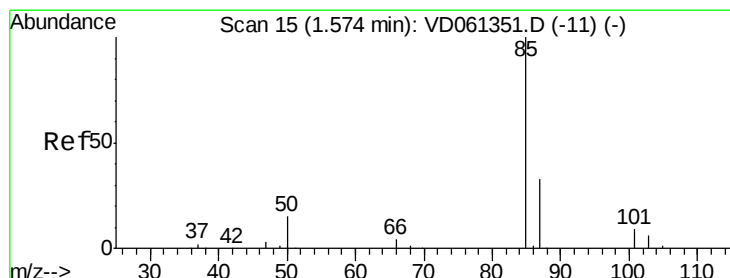
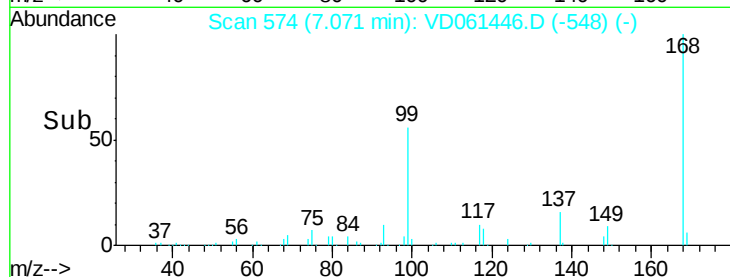
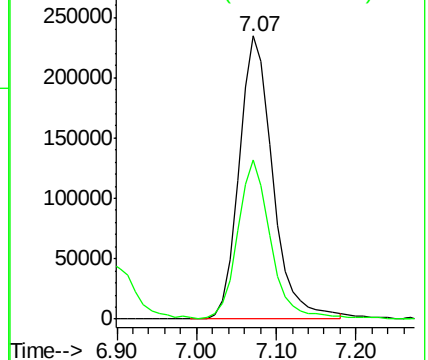
168 100

99 56.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.679 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061446.D

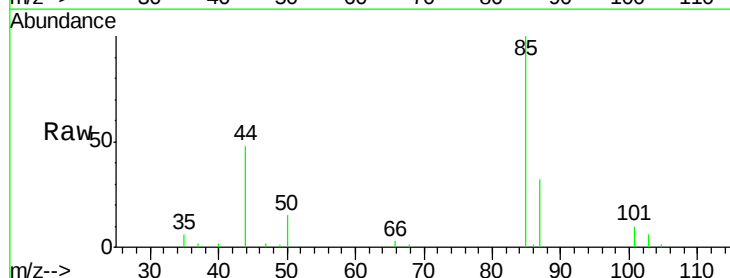
Acq: 31 Mar 2019 14:55

Tgt Ion: 85 Resp: 143730

Ion Ratio Lower Upper

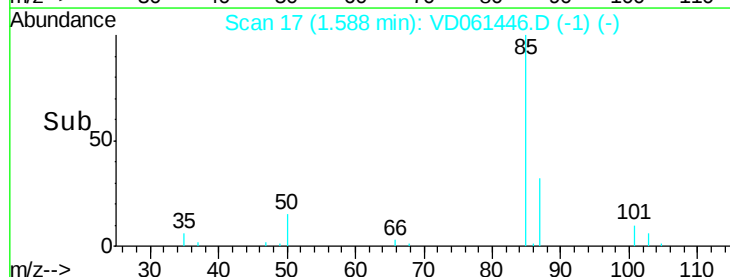
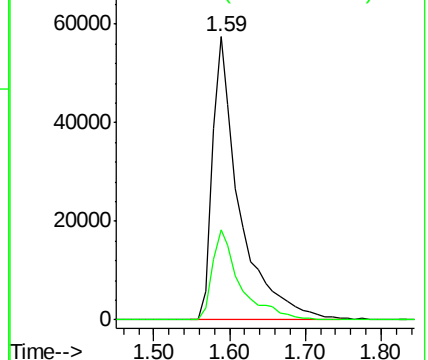
85 100

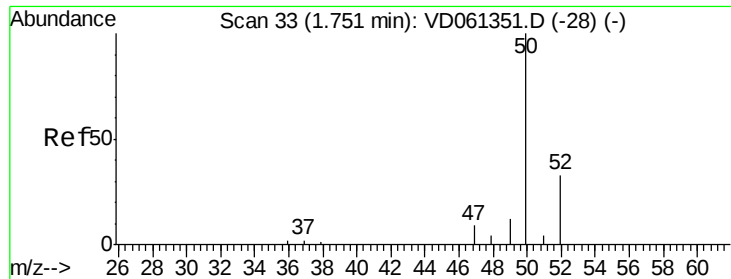
87 31.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.882 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

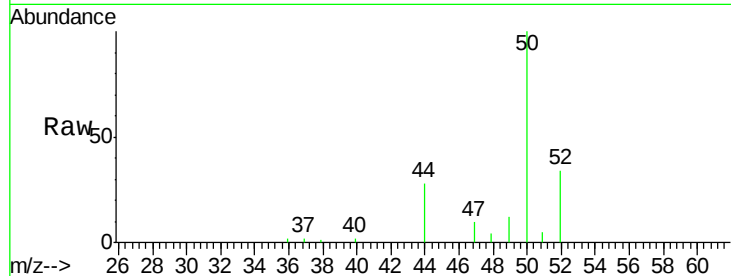
ClientSampleId :

Tot Ion: 50 Resp: 118433

Ion Ratio Lower Upper

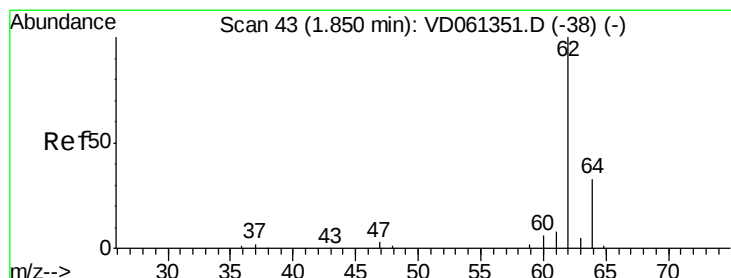
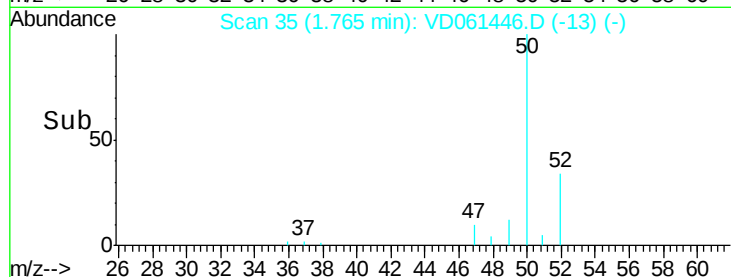
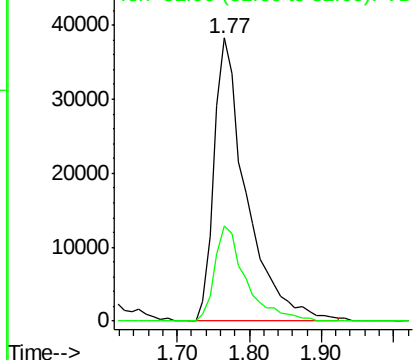
50 100

52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.182 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061446.D

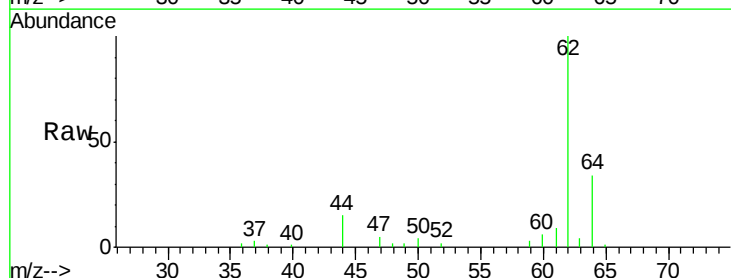
Acq: 31 Mar 2019 14:55

Tgt Ion: 62 Resp: 110383

Ion Ratio Lower Upper

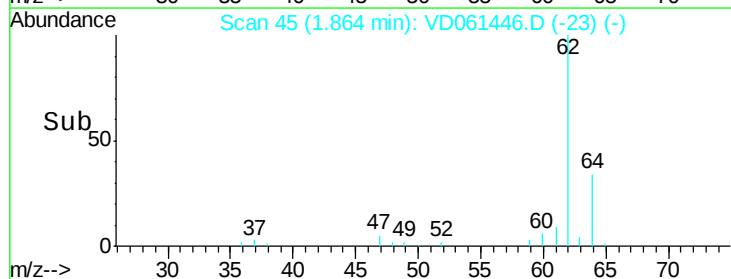
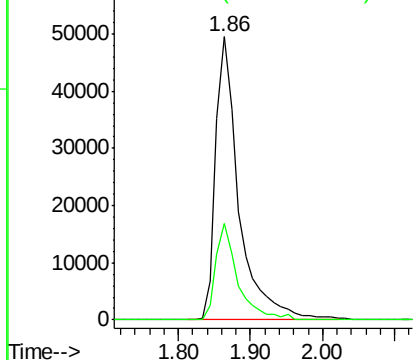
62 100

64 34.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

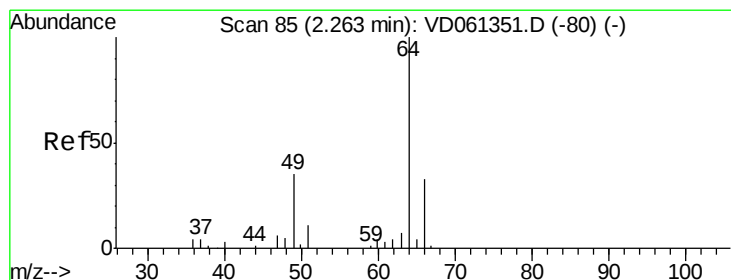
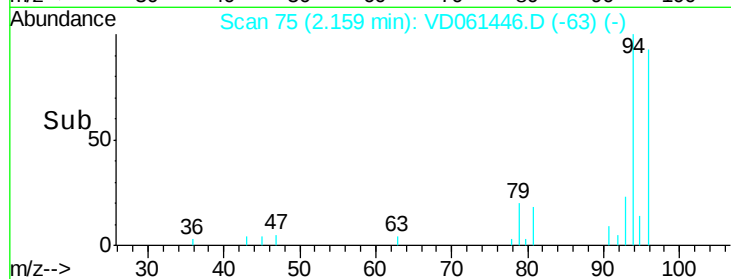
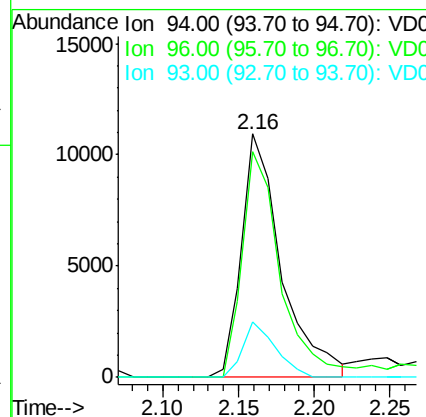
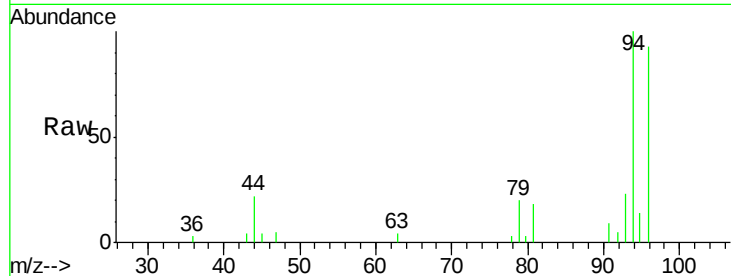




#5
Bromomethane
Concen: 18.521 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

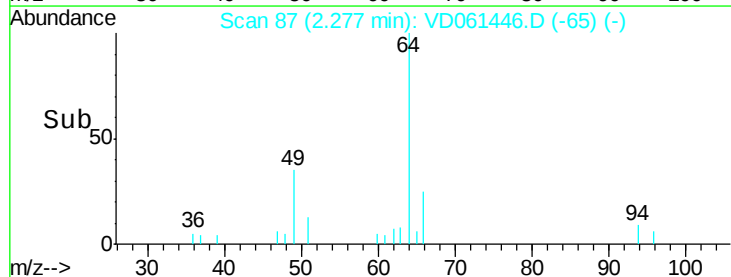
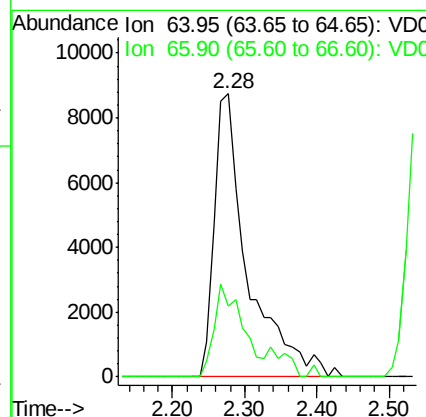
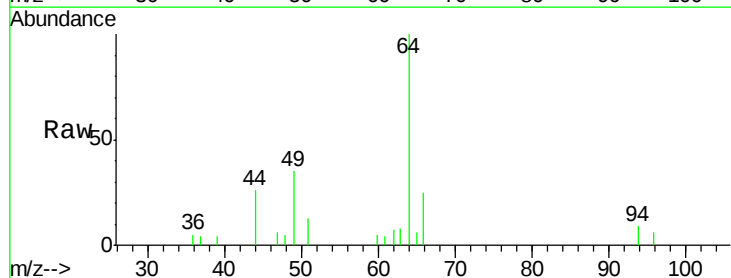
Instrument :
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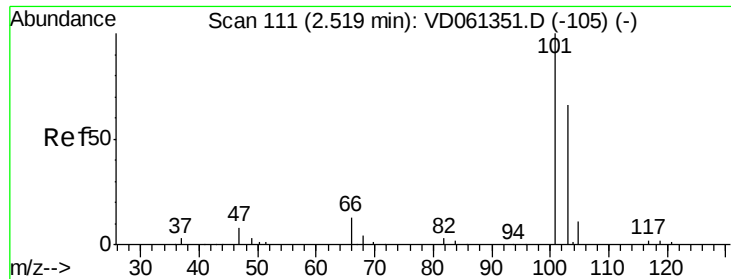
Tot Ion: 94 Resp: 20087
Ion Ratio Lower Upper
94 100
96 92.8 78.3 117.5
93 22.9 15.6 23.4



#6
Chloroethane
Concen: 17.447 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 64 Resp: 27983
Ion Ratio Lower Upper
64 100
66 25.3 26.2 39.2#



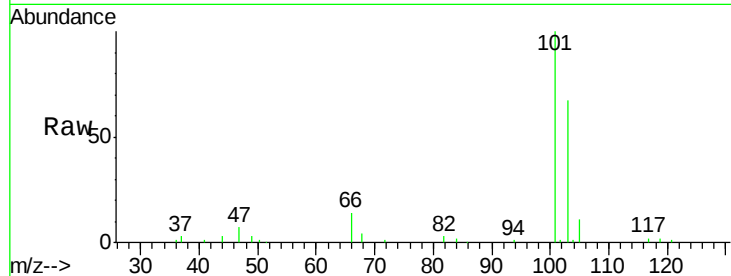


#7

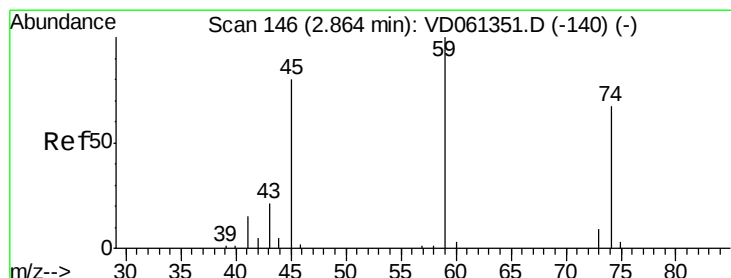
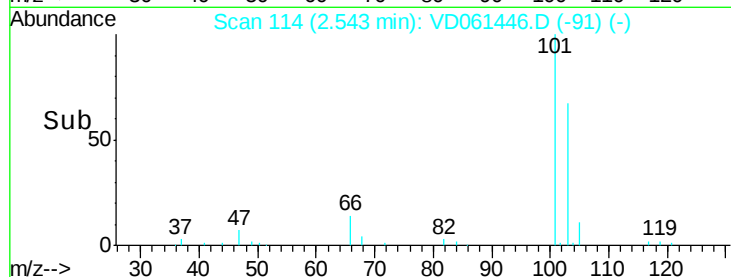
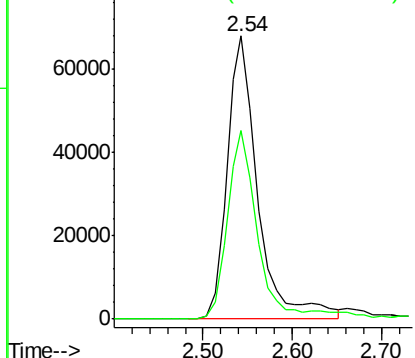
Trichlorofluoromethane
Concen: 20.580 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 163678
Ion Ratio Lower Upper
101 100
103 66.7 53.1 79.7



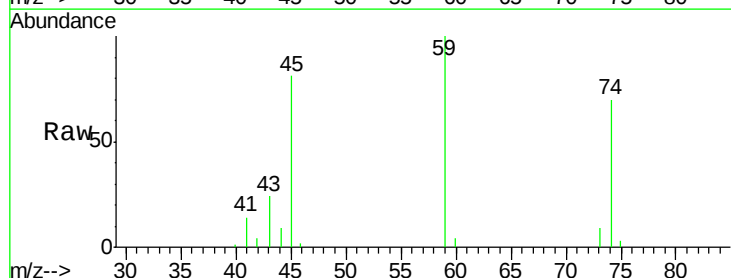
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



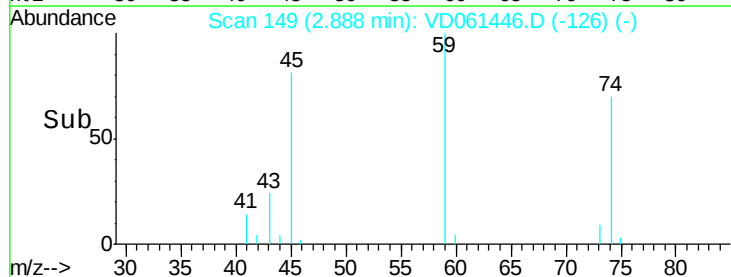
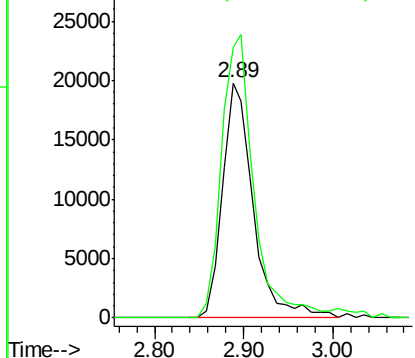
#8

Diethyl Ether
Concen: 18.724 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 74 Resp: 47946
Ion Ratio Lower Upper
74 100
45 115.1 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.567 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

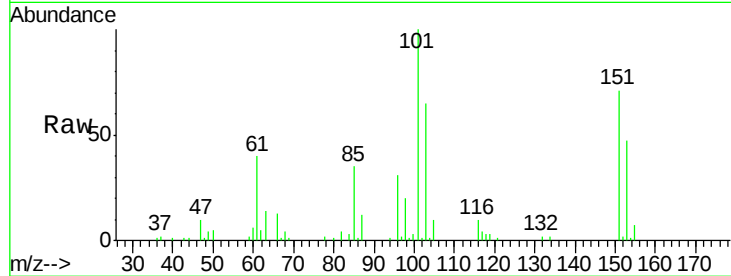
Tot Ion:101 Resp: 175853

Ion Ratio Lower Upper

101 100

85 35.4 29.4 44.0

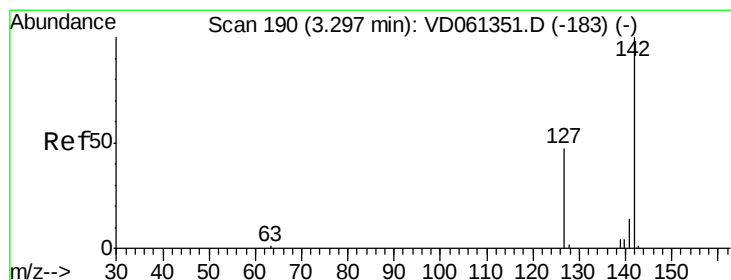
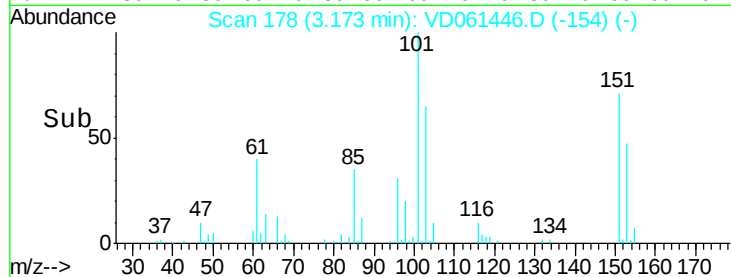
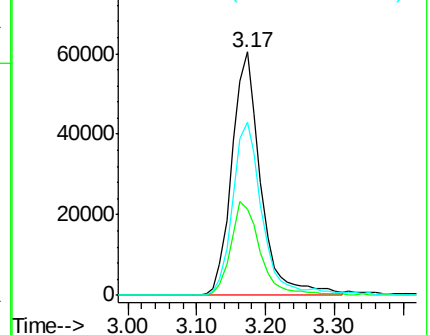
151 71.4 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.454 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

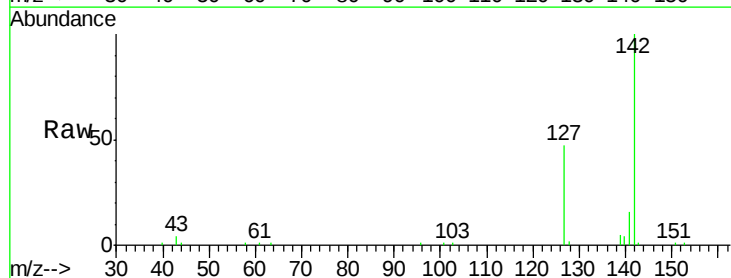
Tgt Ion:142 Resp: 223302

Ion Ratio Lower Upper

142 100

127 47.2 37.7 56.5

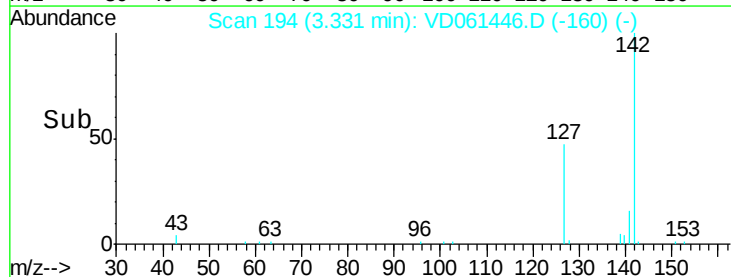
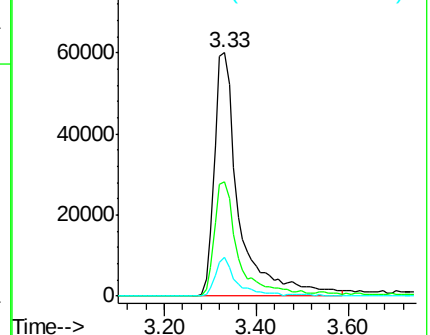
141 15.7 11.5 17.3

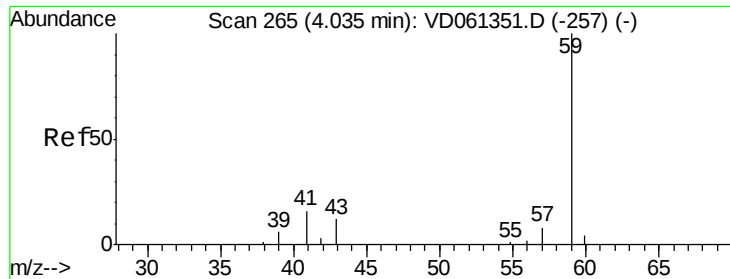


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



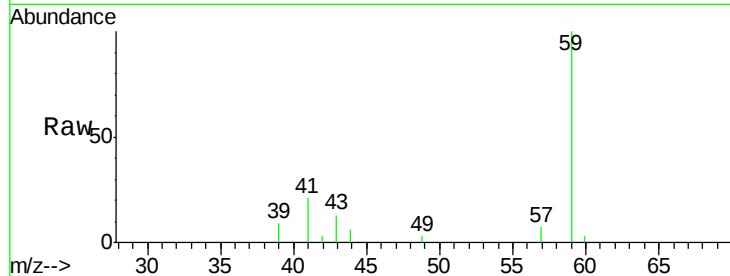


#11

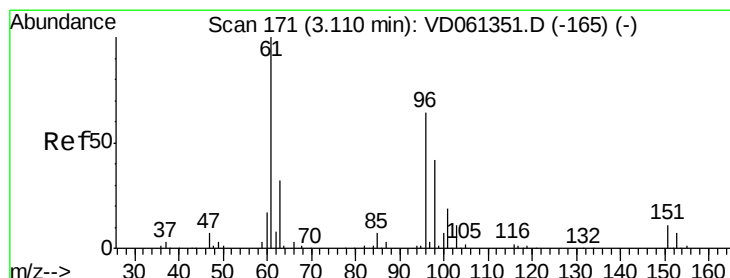
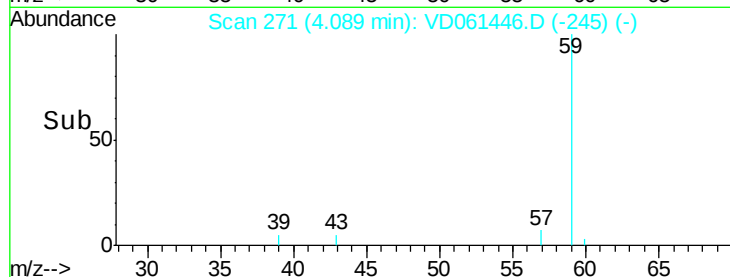
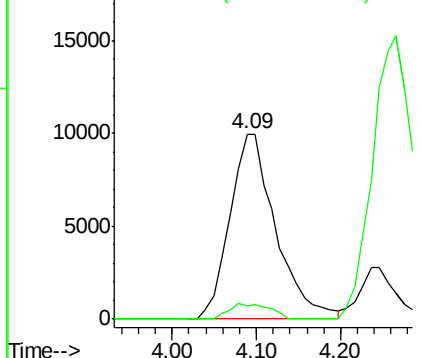
Tert butyl alcohol
Concen: 104.423 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 37993
Ion Ratio Lower Upper
59 100
57 7.3 6.7 10.1



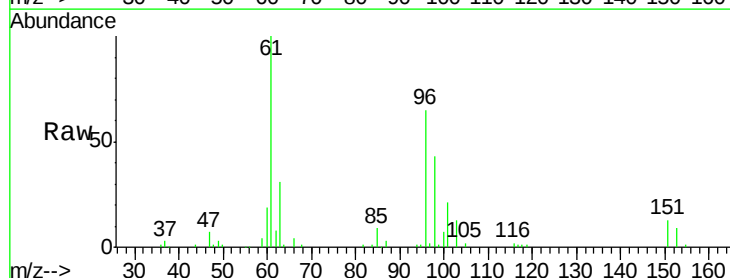
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



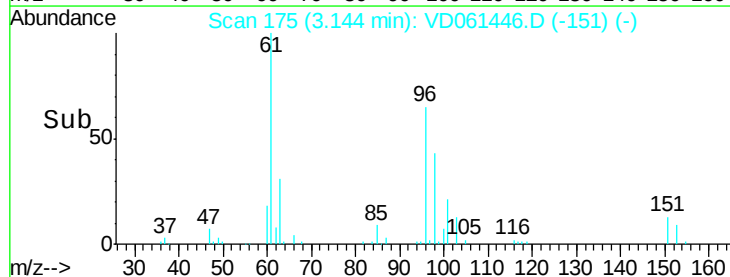
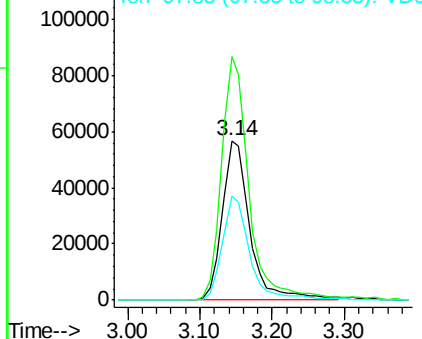
#12

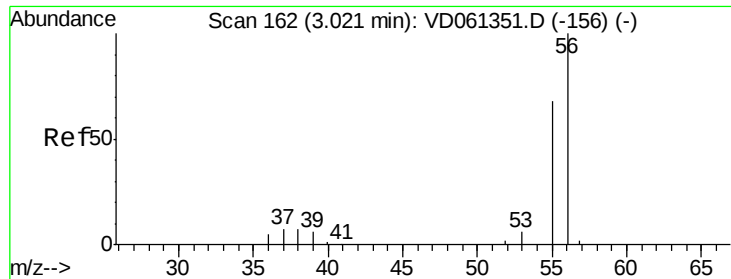
1,1-Dichloroethene
Concen: 20.463 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 96 Resp: 150220
Ion Ratio Lower Upper
96 100
61 152.9 124.9 187.3
98 65.6 52.5 78.7



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





#13

Acrolein

Concen: 90.467 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

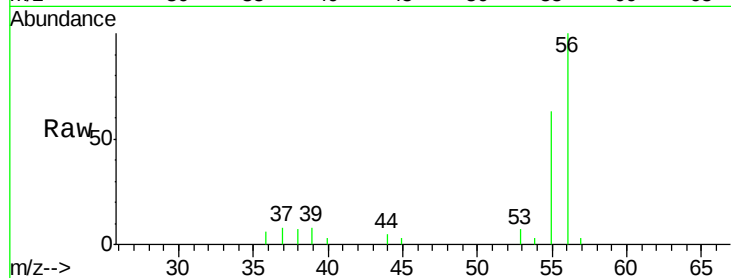
ClientSampled :

Tot Ion: 56 Resp: 29132

Ion Ratio Lower Upper

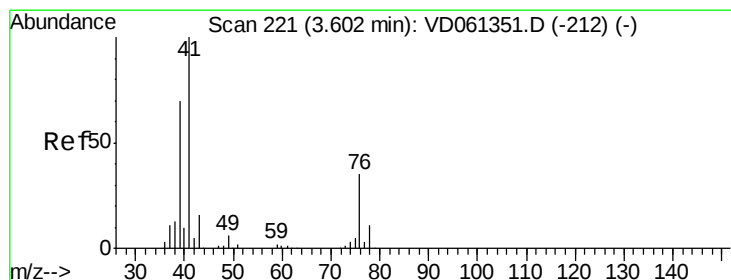
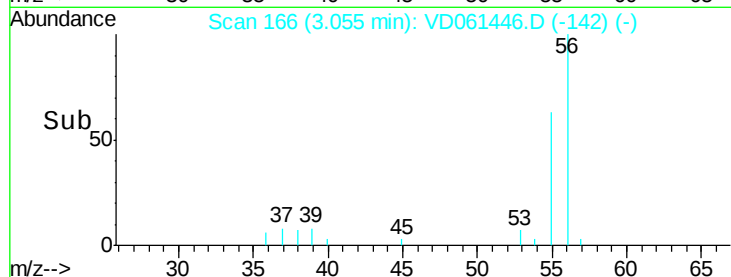
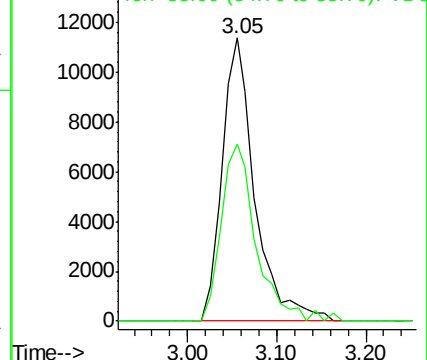
56 100

55 62.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.278 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

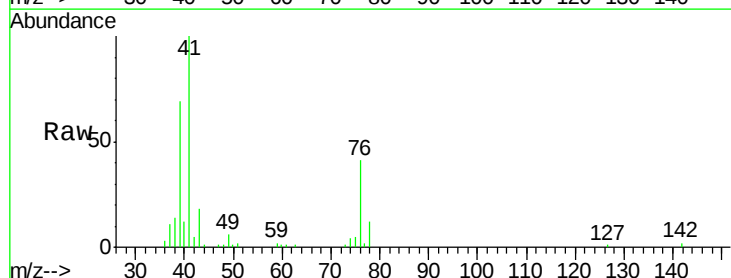
Tgt Ion: 41 Resp: 207623

Ion Ratio Lower Upper

41 100

39 69.5 55.6 83.4

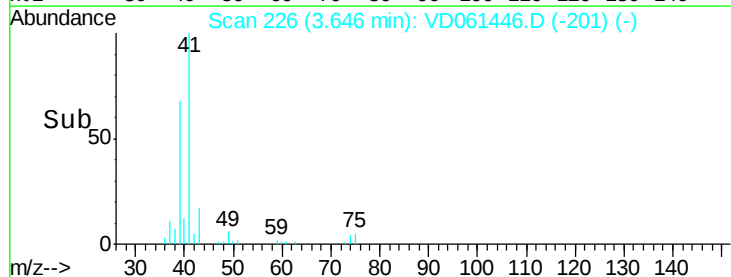
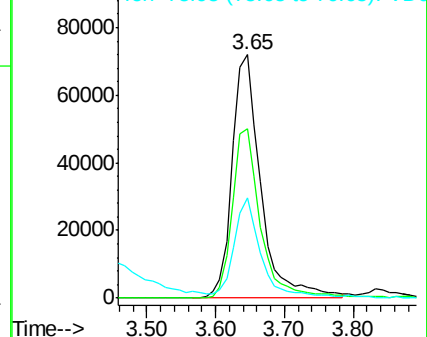
76 41.2 31.0 46.6

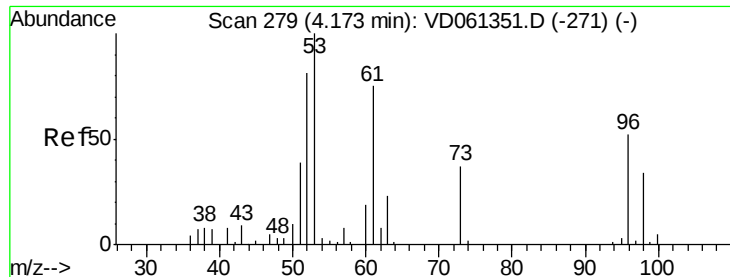


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.817 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

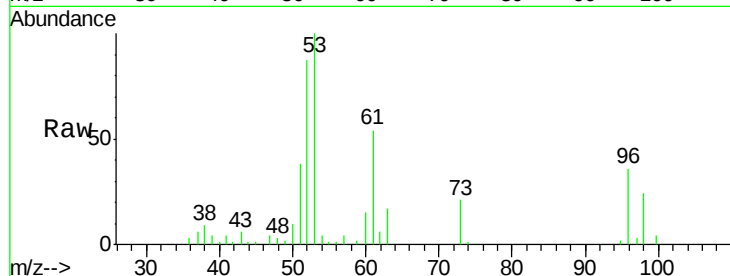
Tot Ion: 53 Resp: 133627

Ion Ratio Lower Upper

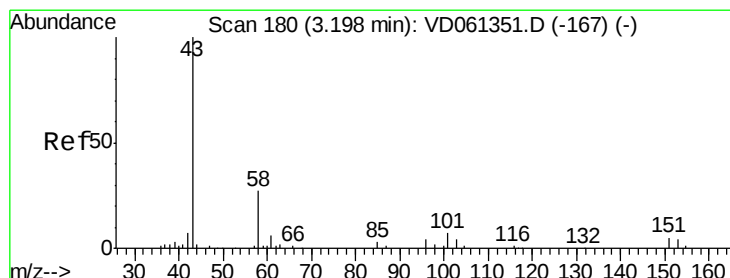
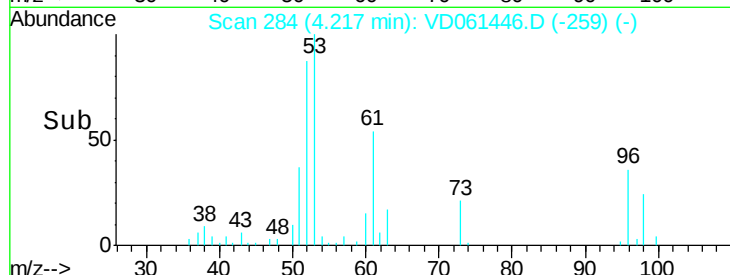
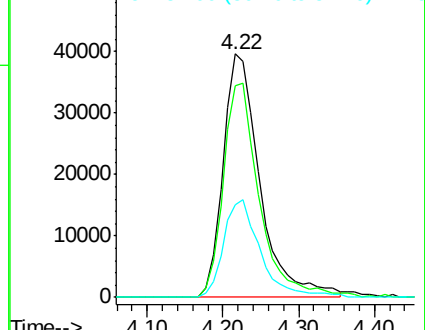
53 100

52 87.1 64.8 97.2

51 38.1 31.4 47.2



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: 92.544 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061446.D

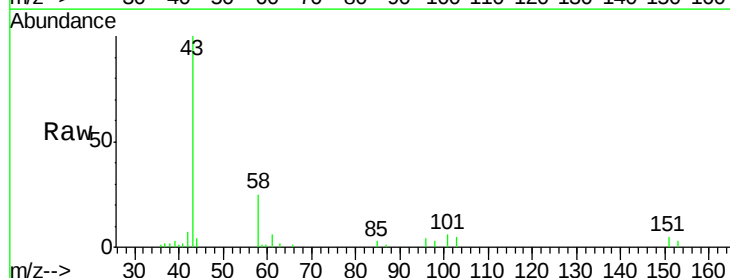
Acq: 31 Mar 2019 14:55

Tgt Ion: 43 Resp: 138988

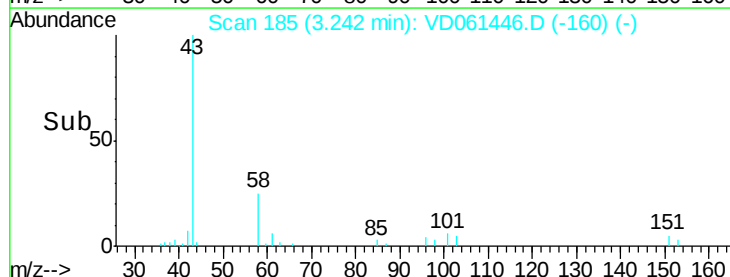
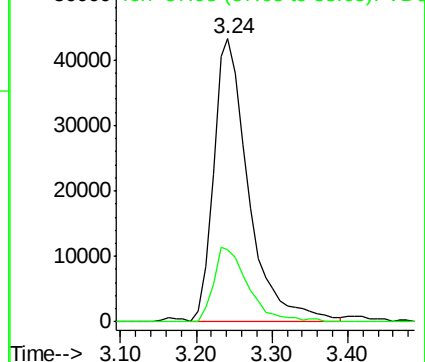
Ion Ratio Lower Upper

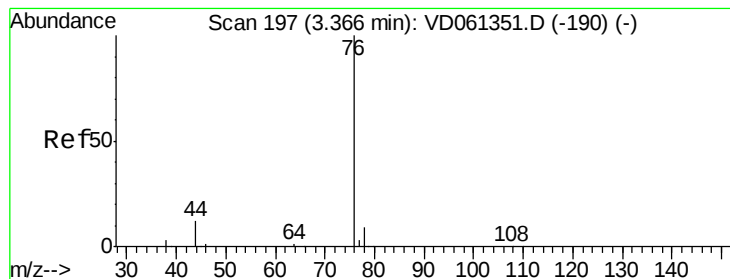
43 100

58 25.3 21.5 32.3



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





#17

Carbon Disulfide

Concen: 18.873 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

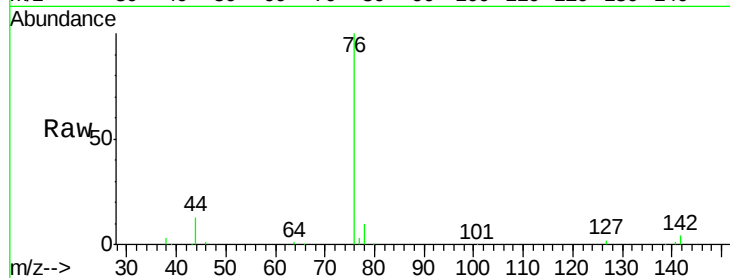
ClientSampleId :

Tot Ion: 76 Resp: 450135

Ion Ratio Lower Upper

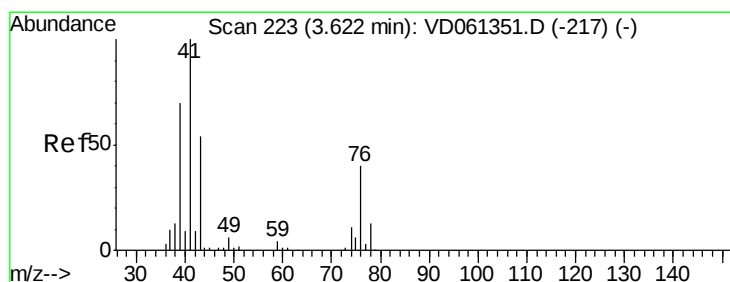
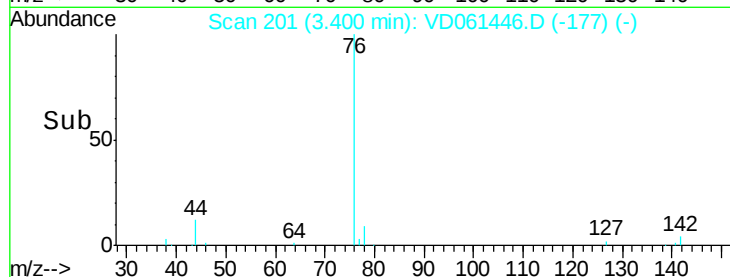
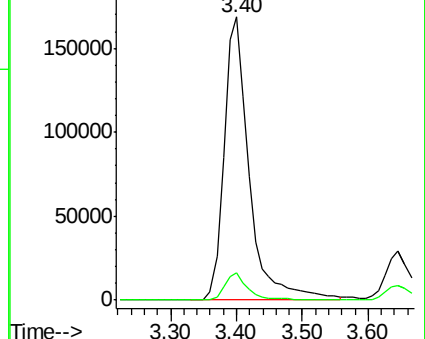
76 100

78 9.7 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.680 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VD061446.D

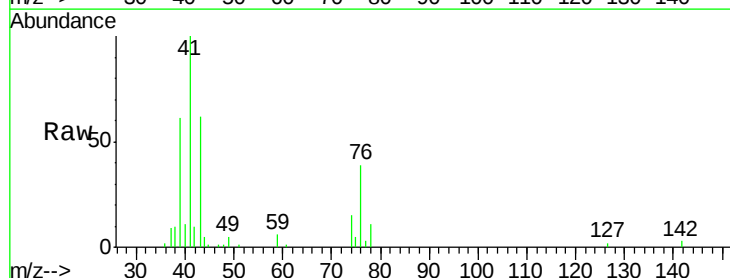
Acq: 31 Mar 2019 14:55

Tgt Ion: 43 Resp: 65302

Ion Ratio Lower Upper

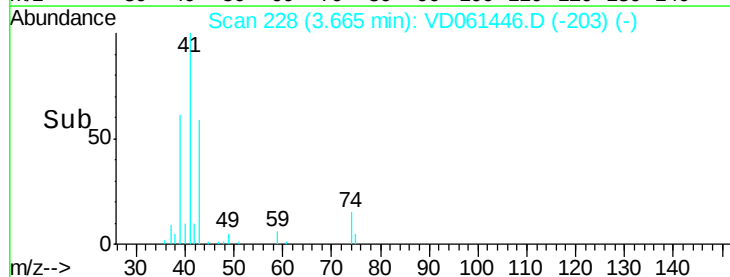
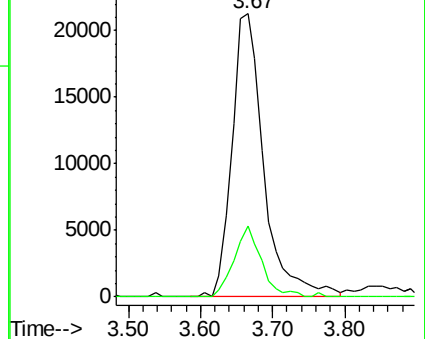
43 100

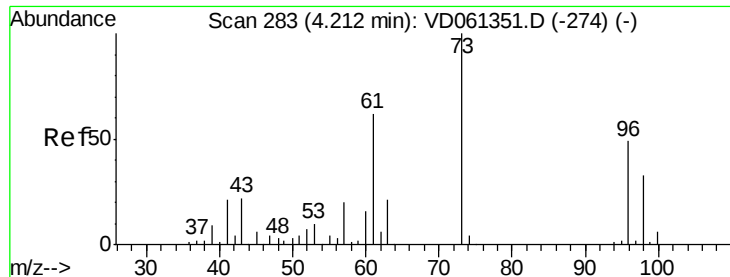
74 25.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

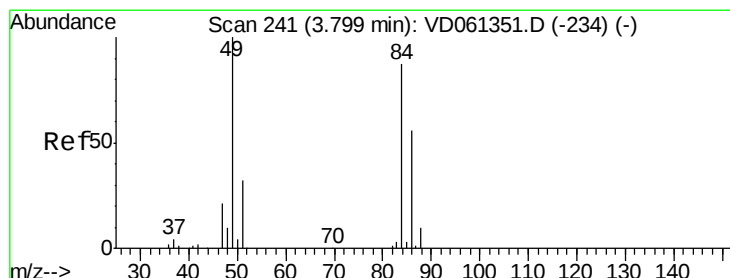
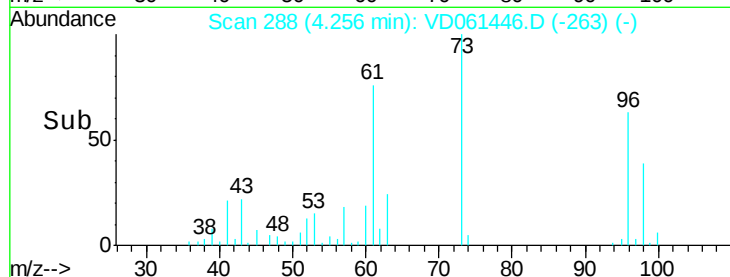
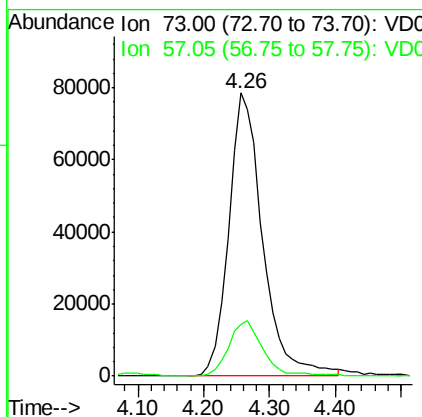
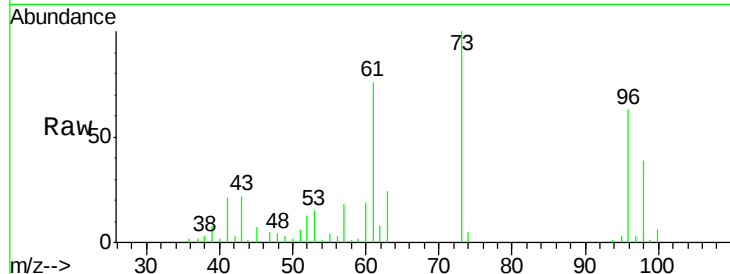




#19
Methyl tert-butyl Ether
Concen: 22.249 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

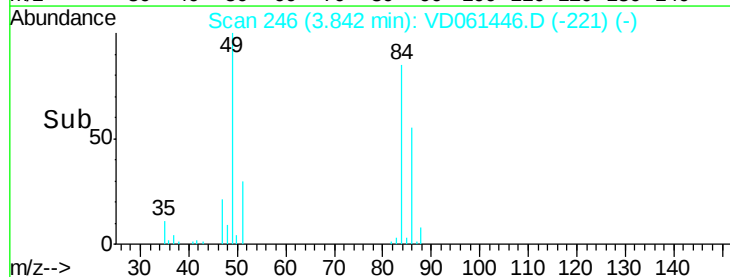
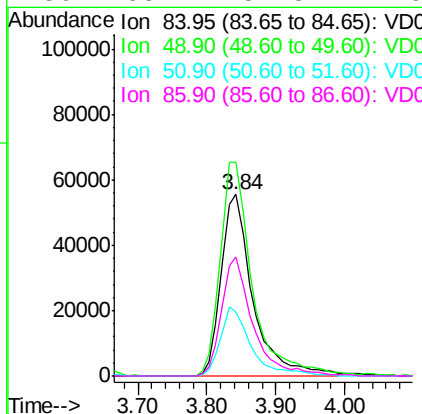
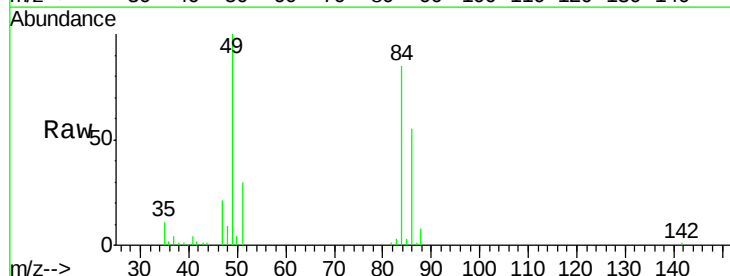
Instrument :
MSVOA_D
ClientSampled :

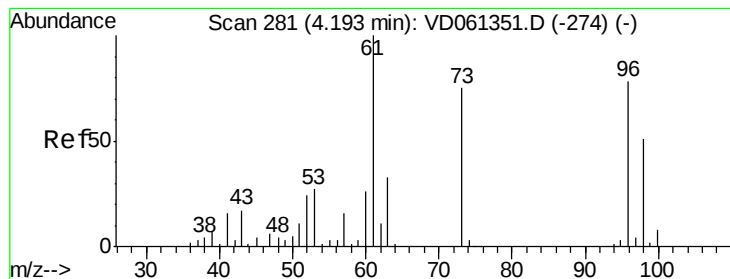
Tot Ion: 73 Resp: 282720
Ion Ratio Lower Upper
73 100
57 18.4 16.4 24.6



#20
Methylene Chloride
Concen: 19.951 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 84 Resp: 177559
Ion Ratio Lower Upper
84 100
49 117.8 91.8 137.8
51 35.4 29.8 44.8
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.594 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

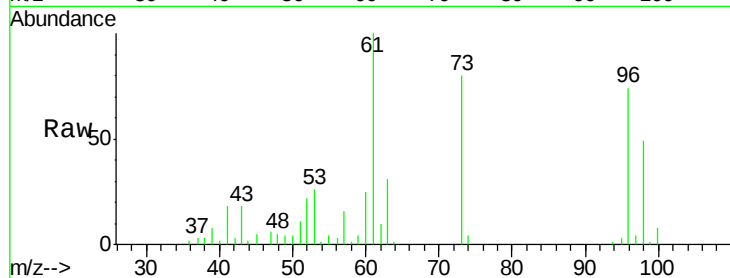
Tot Ion: 96 Resp: 171145

Ion Ratio Lower Upper

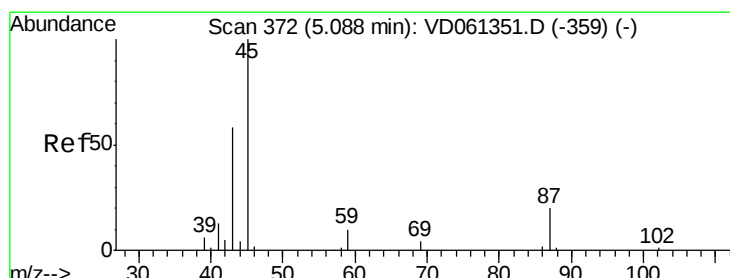
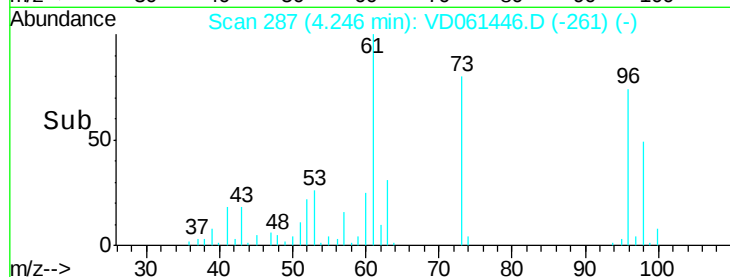
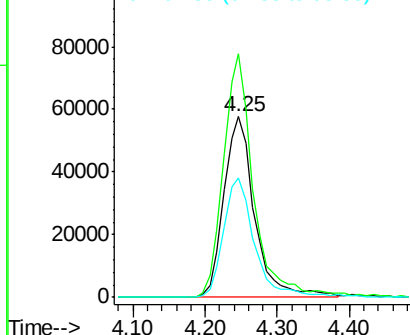
96 100

61 134.9 102.7 154.1

98 66.3 52.2 78.4



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: 21.576 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.06 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Tgt Ion: 45 Resp: 467481

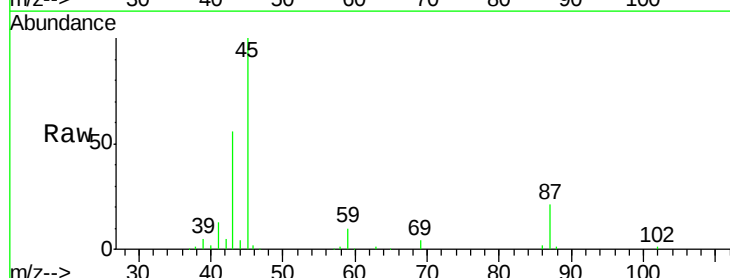
Ion Ratio Lower Upper

45 100

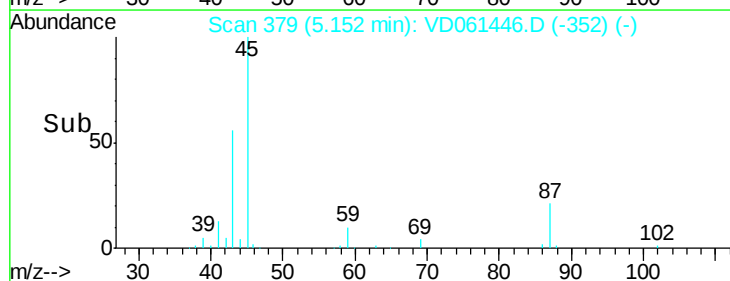
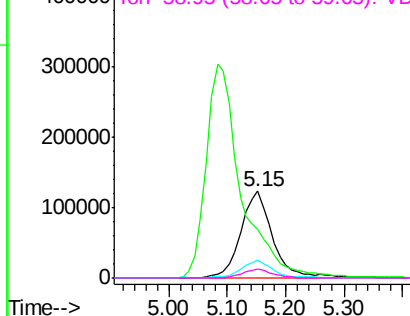
43 56.2 47.4 71.2

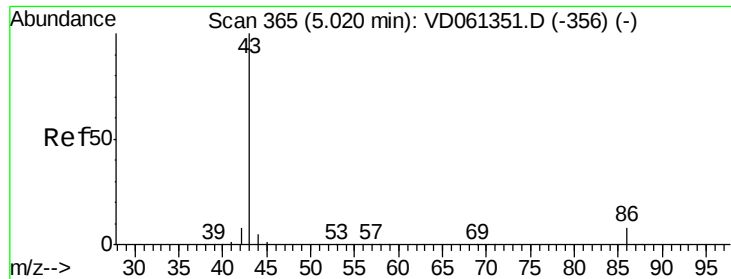
87 20.9 16.3 24.5

59 10.4 8.4 12.6



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





#23

Vinyl Acetate

Concen: 105.493 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.06 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

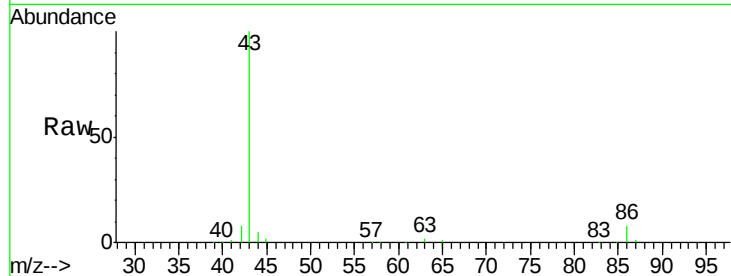
ClientSampleId :

Tot Ion: 43 Resp: 1241591

Ion Ratio Lower Upper

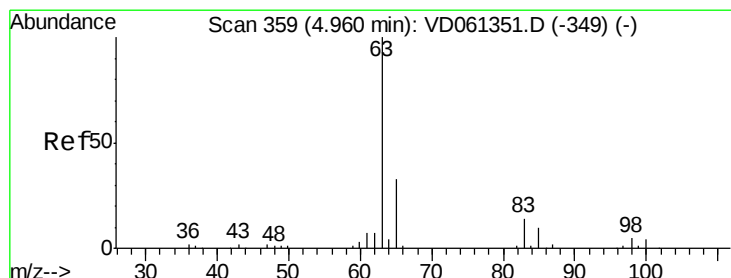
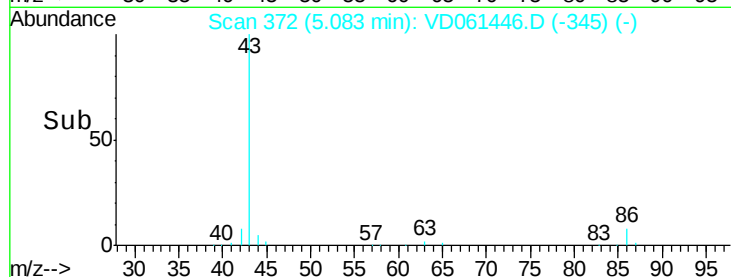
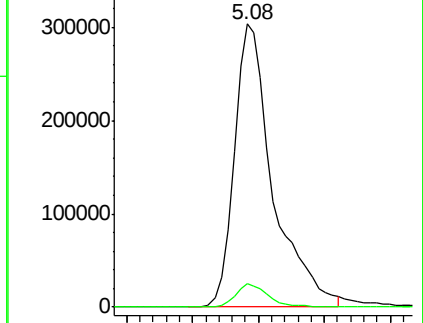
43 100

86 8.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.223 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

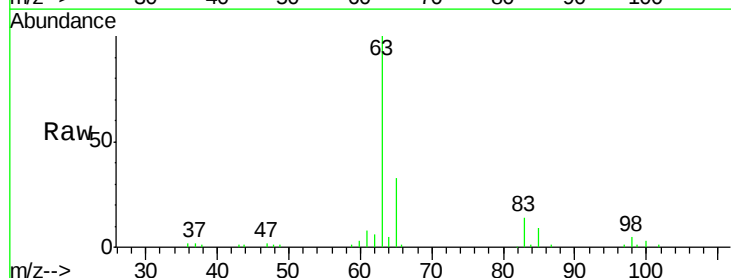
Tgt Ion: 63 Resp: 257506

Ion Ratio Lower Upper

63 100

98 4.9 2.6 8.0

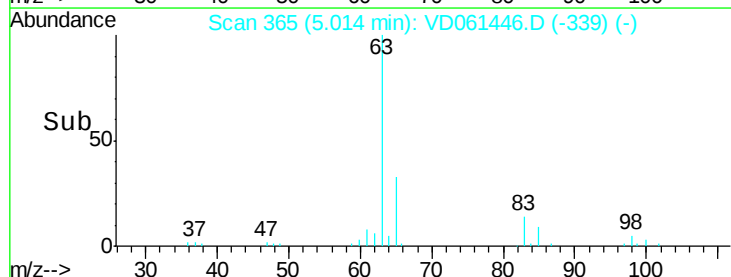
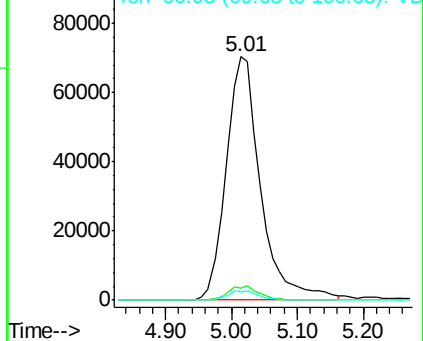
100 3.5 1.8 5.3

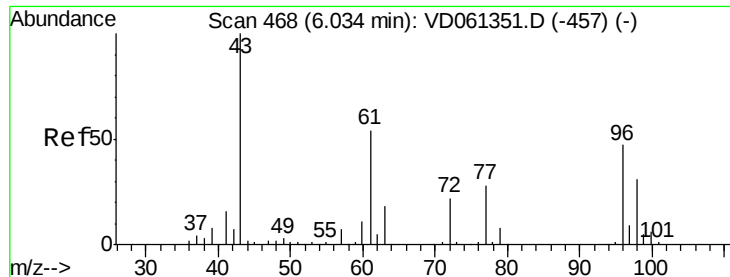


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.282 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

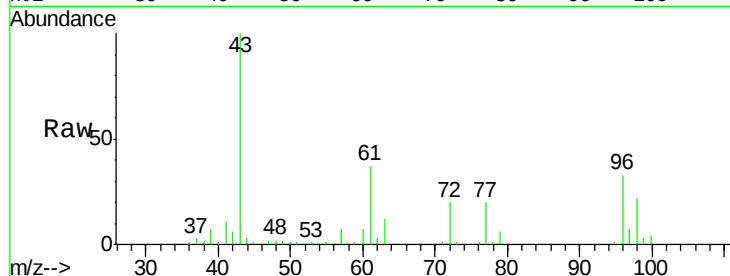
ClientSampleId :

Tot Ion: 43 Resp: 180007

Ion Ratio Lower Upper

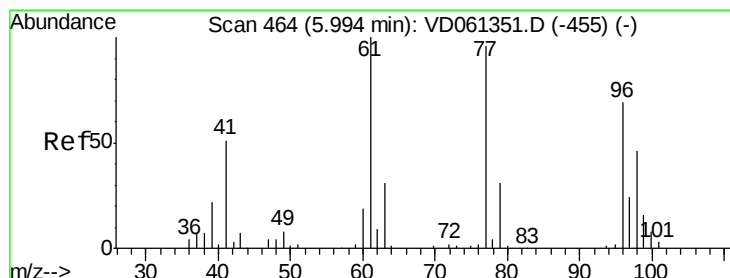
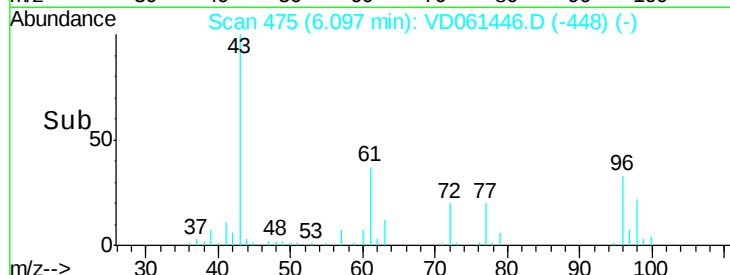
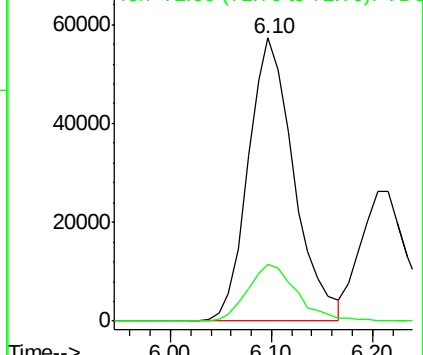
43 100

72 20.0 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.310 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD061446.D

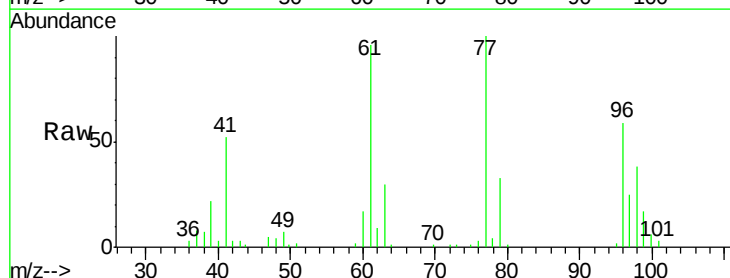
Acq: 31 Mar 2019 14:55

Tgt Ion: 77 Resp: 205589

Ion Ratio Lower Upper

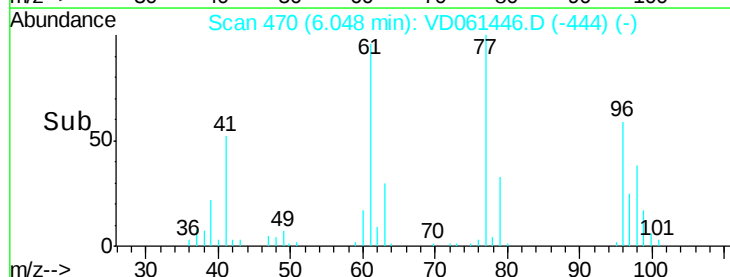
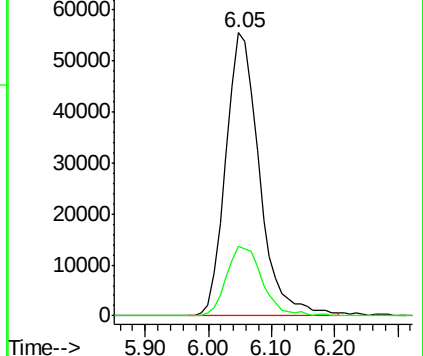
77 100

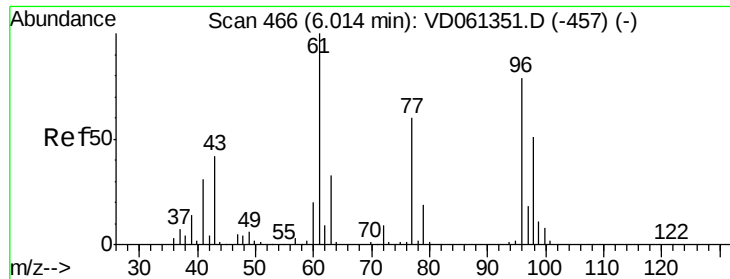
97 24.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



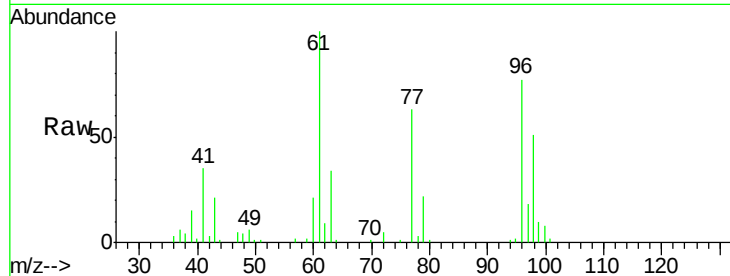


#27

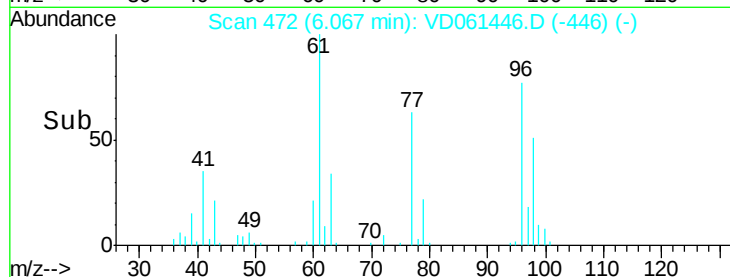
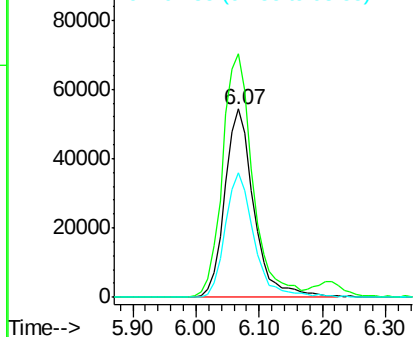
cis-1,2-Dichloroethene
Concen: 19.877 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 172601
Ion Ratio Lower Upper
96 100
61 129.5 0.0 251.6
98 66.6 0.0 129.2



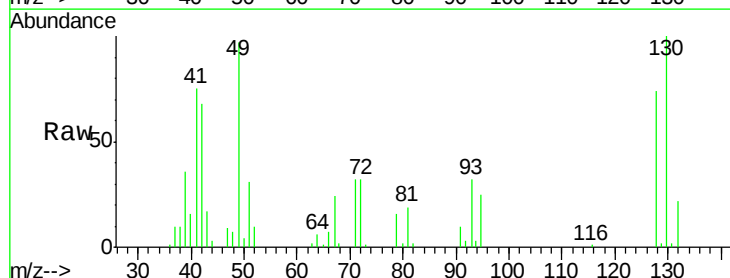
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



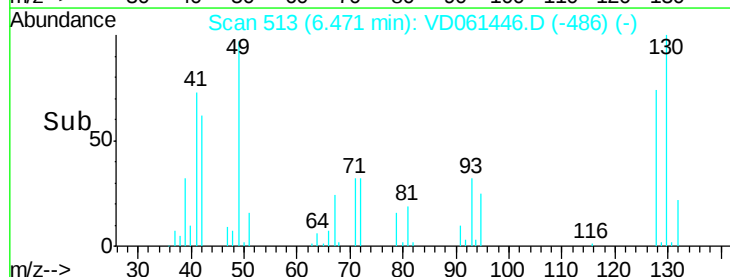
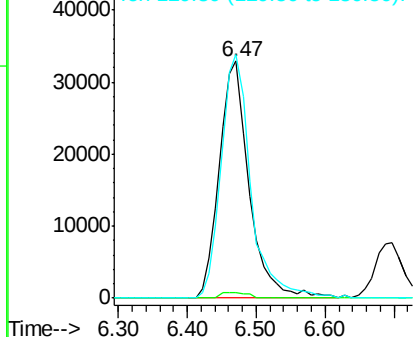
#28

Bromochloromethane
Concen: 19.179 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.06 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 49 Resp: 98583
Ion Ratio Lower Upper
49 100
129 2.2 0.0 0.0#
130 102.7 78.4 117.6



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

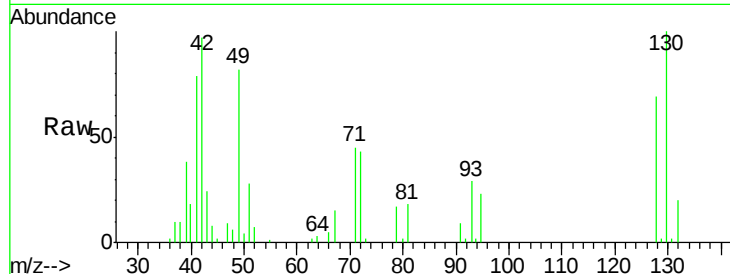




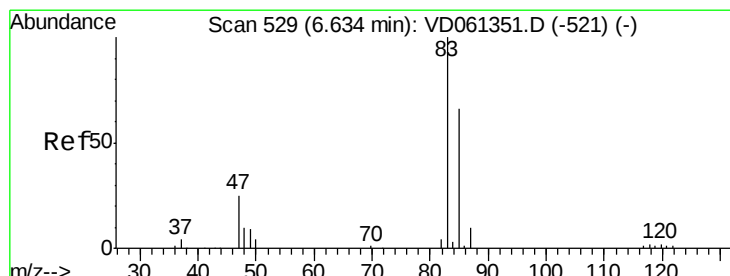
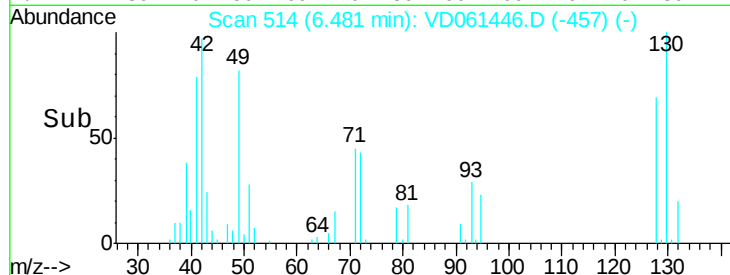
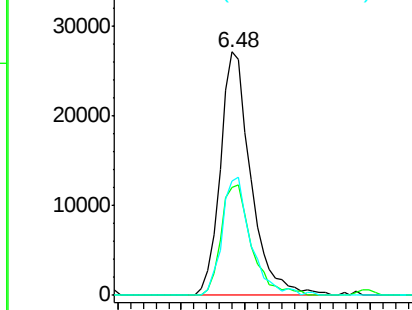
#29
Tetrahydrofuran
Concen: 99.762 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 91351
Ion Ratio Lower Upper
42 100
72 45.0 37.4 56.0
71 45.2 36.7 55.1

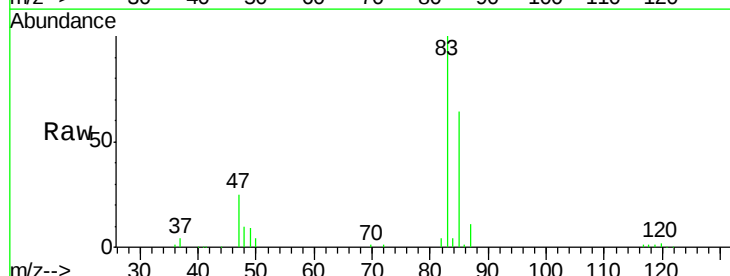


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

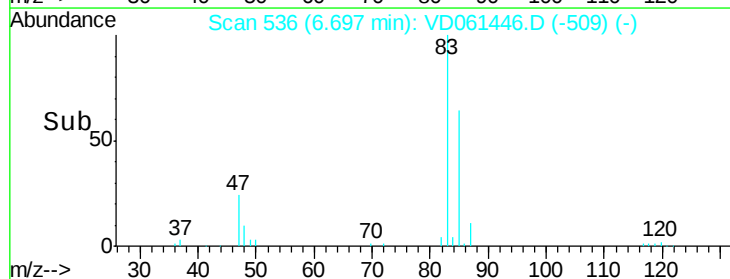
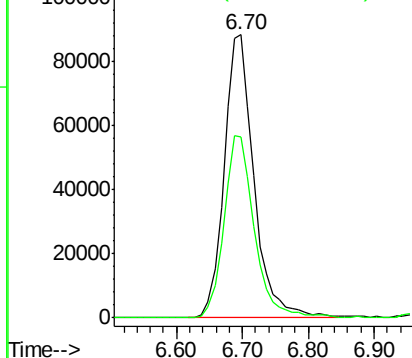


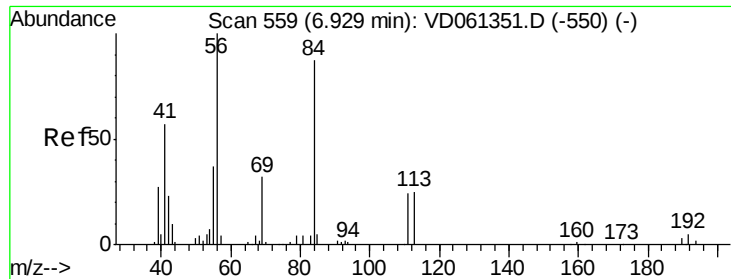
#30
Chloroform
Concen: 21.167 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.06 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 83 Resp: 278502
Ion Ratio Lower Upper
83 100
85 63.9 53.0 79.4



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

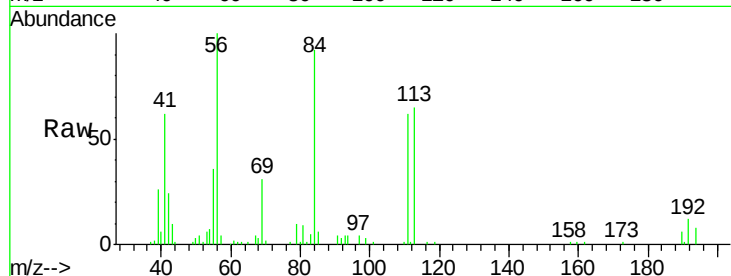




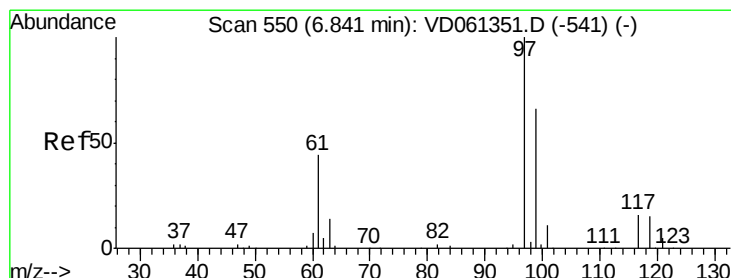
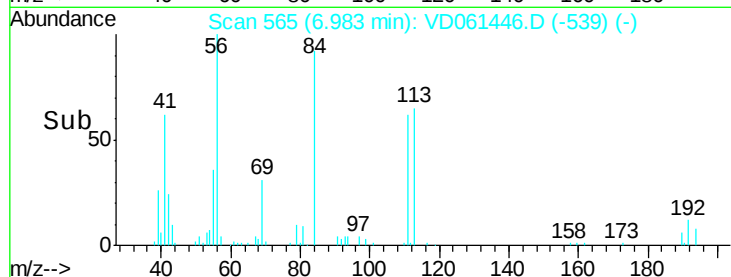
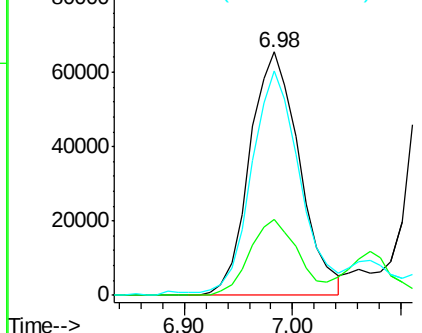
#31
Cvclohexane
Concen: 20.741 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 208702
Ion Ratio Lower Upper
56 100
69 31.2 25.7 38.5
84 92.4 70.6 105.8

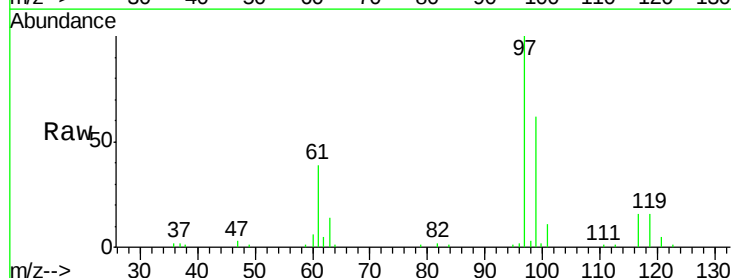


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

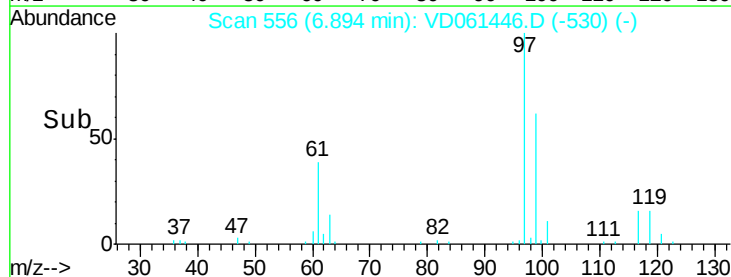
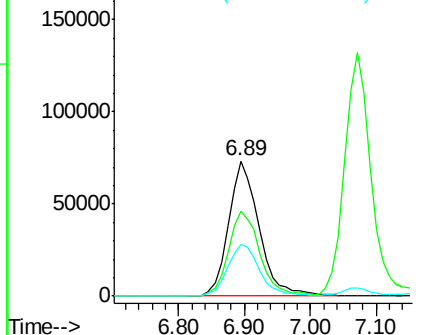


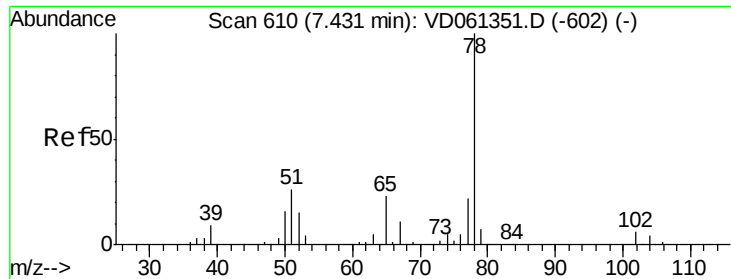
#32
1,1,1-Trichloroethane
Concen: 20.533 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 97 Resp: 238342
Ion Ratio Lower Upper
97 100
99 62.4 53.1 79.7
61 38.7 35.5 53.3



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: 20.533 ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

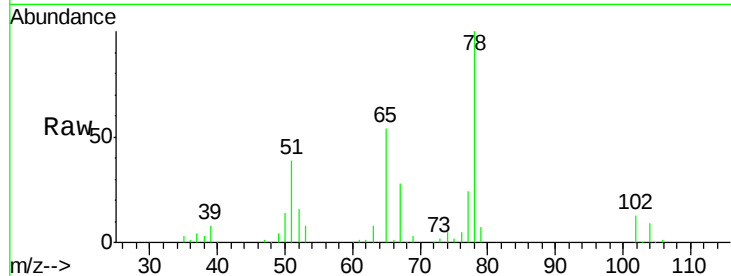
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 283647

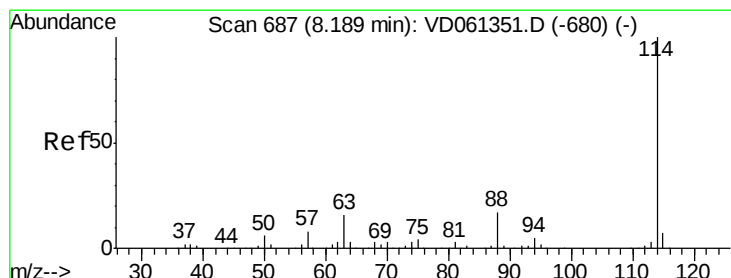
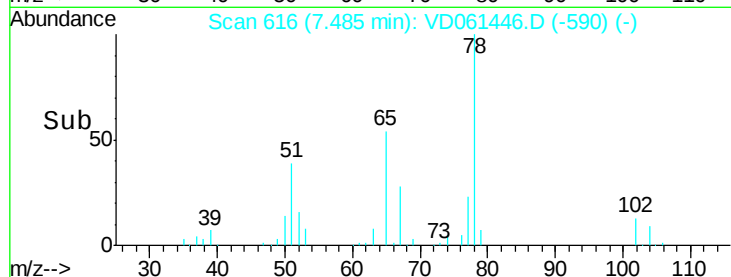
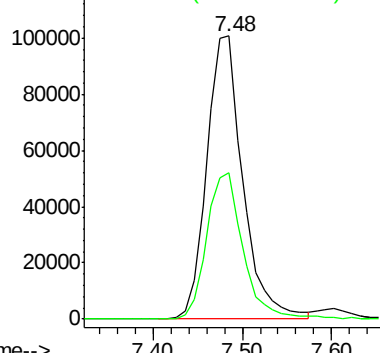
Ion Ratio Lower Upper

65 100

67 51.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

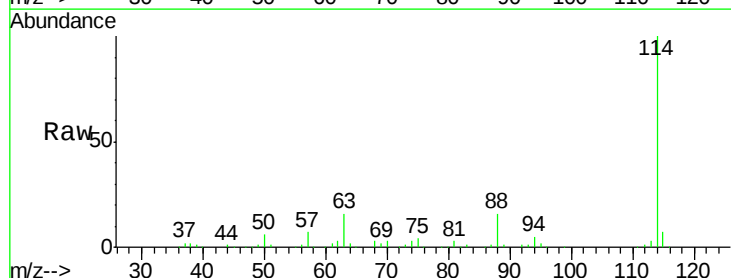
Tgt Ion:114 Resp: 1087875

Ion Ratio Lower Upper

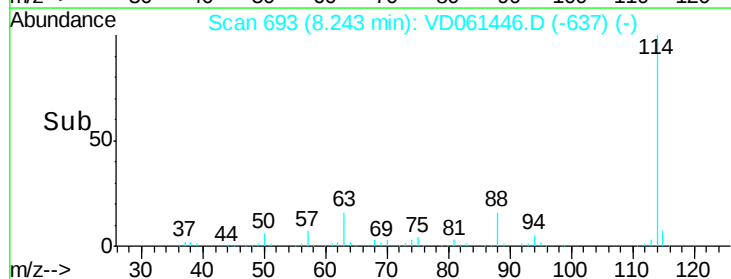
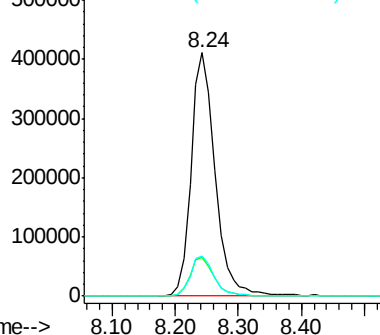
114 100

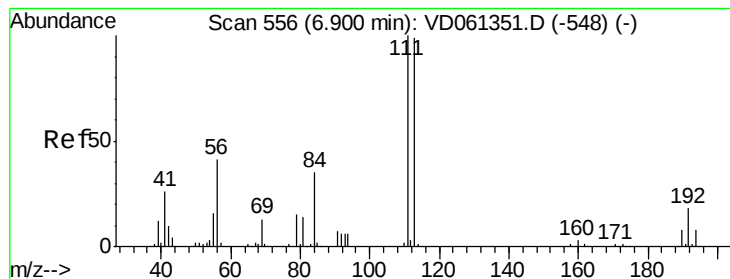
63 16.0 0.0 31.6

88 16.5 0.0 33.4



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: 6.95 min Scan# 562

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

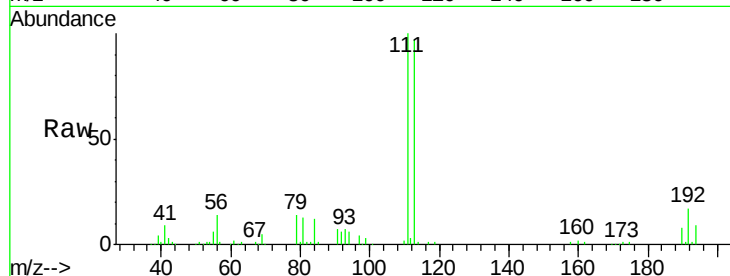
Tot Ion:113 Resp: 436872

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.6

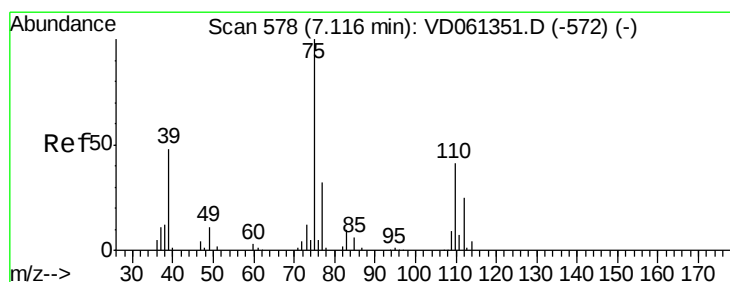
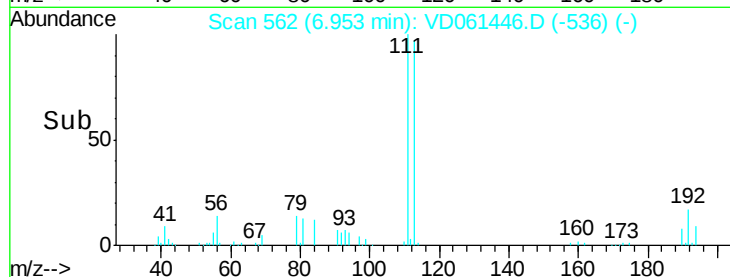
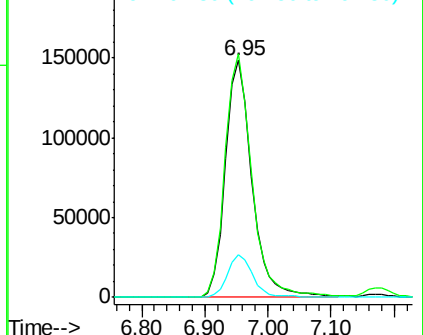
192 17.9 14.4 21.6



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: 22.692 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

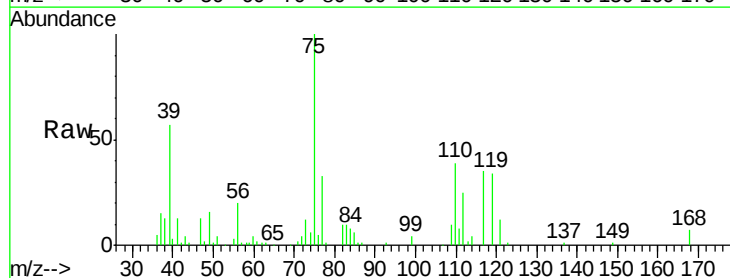
Tgt Ion: 75 Resp: 215453

Ion Ratio Lower Upper

75 100

110 39.0 20.4 61.3

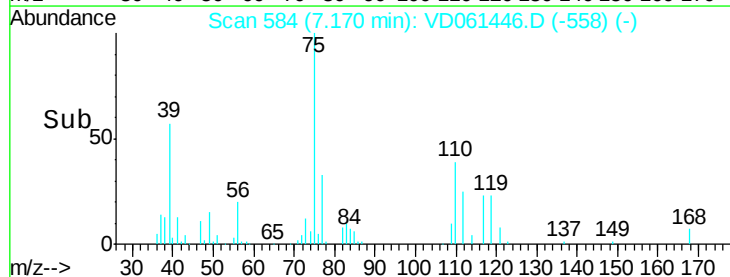
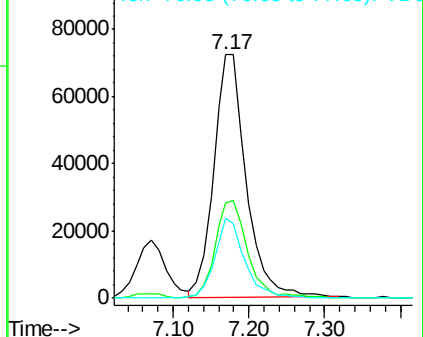
77 32.8 24.9 37.3

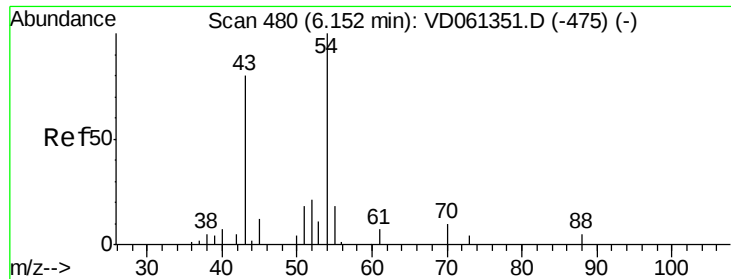


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

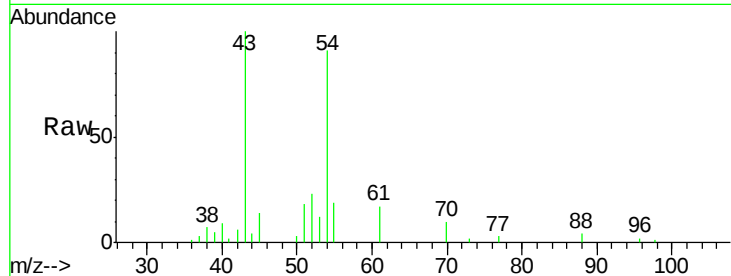




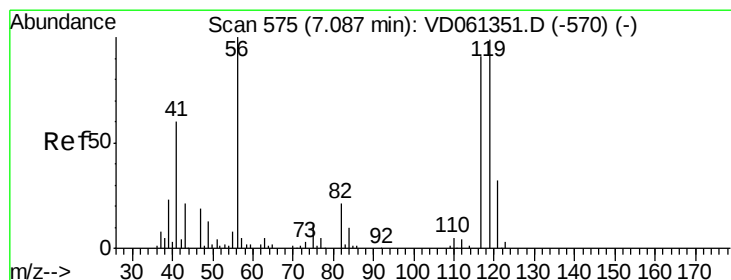
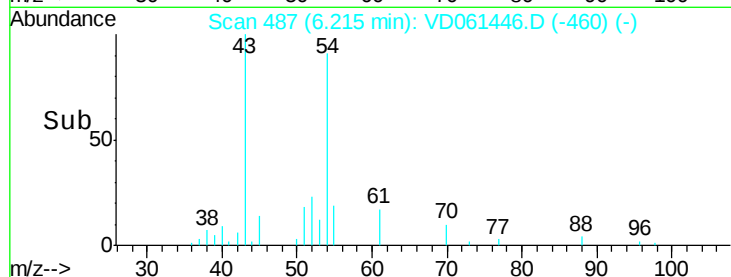
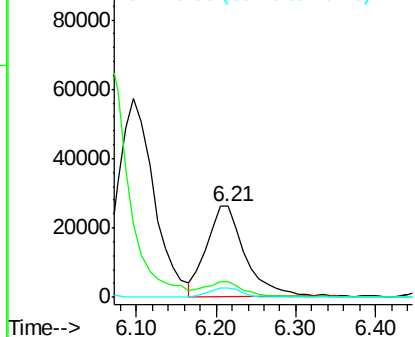
#37
Ethyl Acetate
Concen: 21.259 ug/l
RT: 6.21 min Scan# 487
Delta R.T. 0.06 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 86327
Ion Ratio Lower Upper
43 100
61 17.2 13.8 20.8
70 10.3 7.8 11.8

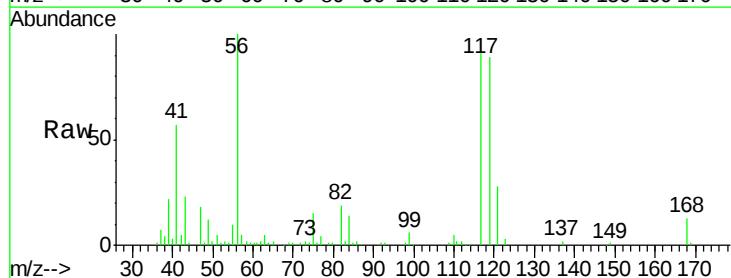


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

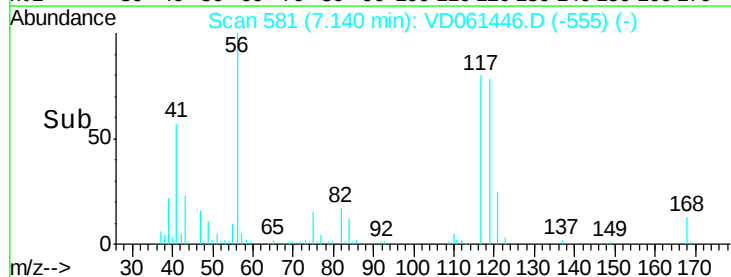
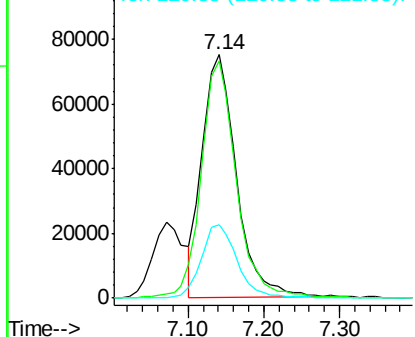


#38
Carbon Tetrachloride
Concen: 21.663 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 117 Resp: 236349
Ion Ratio Lower Upper
117 100
119 97.4 80.1 120.1
121 30.3 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 21.751 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

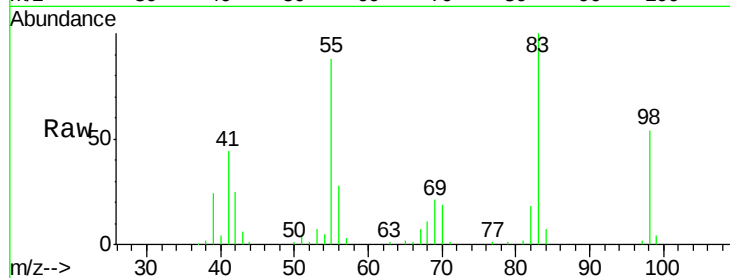
Tot Ion: 83 Resp: 215091

Ion Ratio Lower Upper

83 100

55 87.5 71.5 107.3

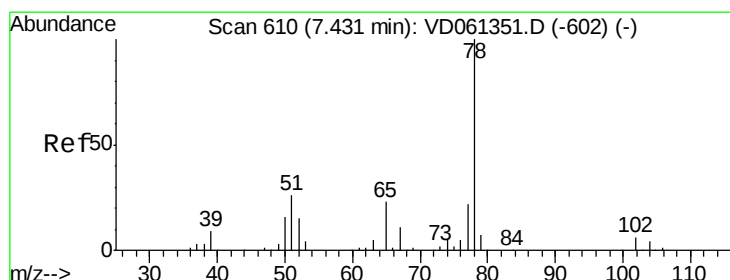
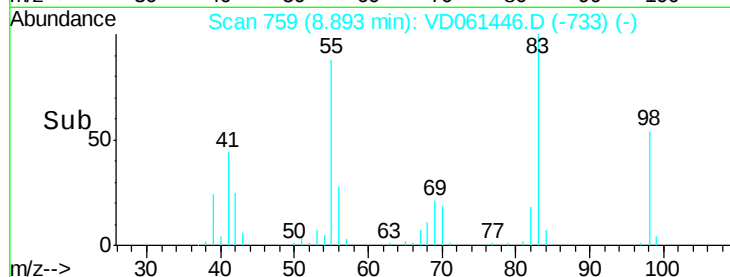
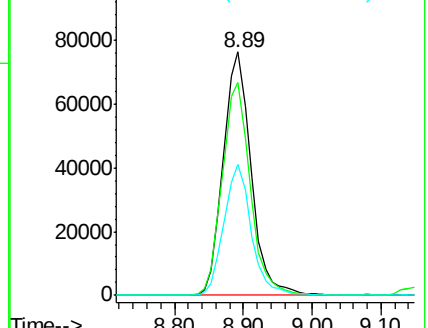
98 53.7 40.3 60.5



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: 22.153 ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.05 min

Lab File: VD061446.D

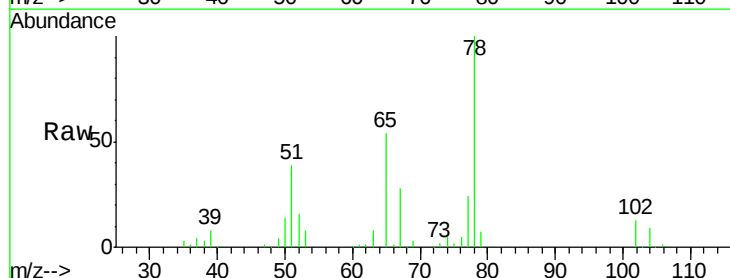
Acq: 31 Mar 2019 14:55

Tgt Ion: 78 Resp: 527891

Ion Ratio Lower Upper

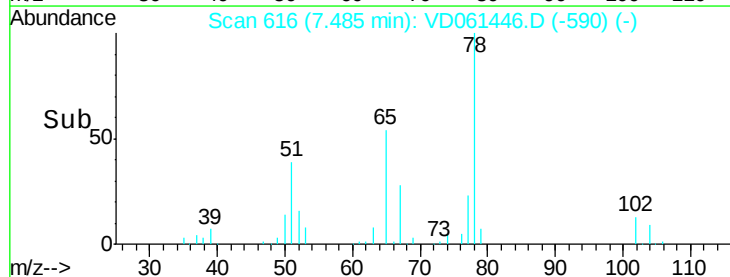
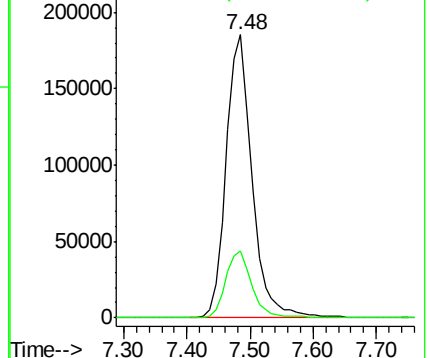
78 100

77 23.8 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.464 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 101909

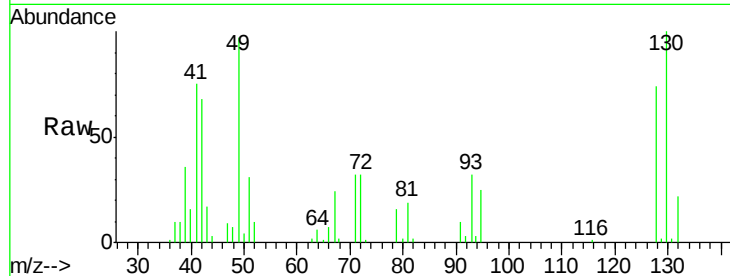
Ion Ratio Lower Upper

41 100

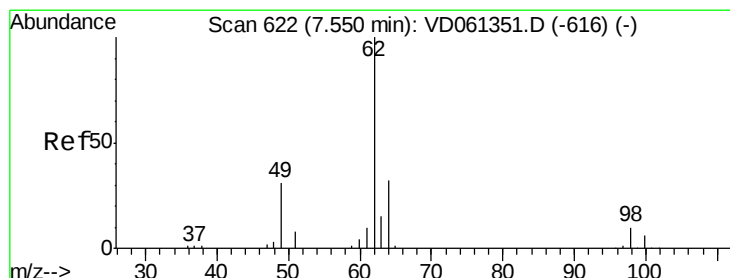
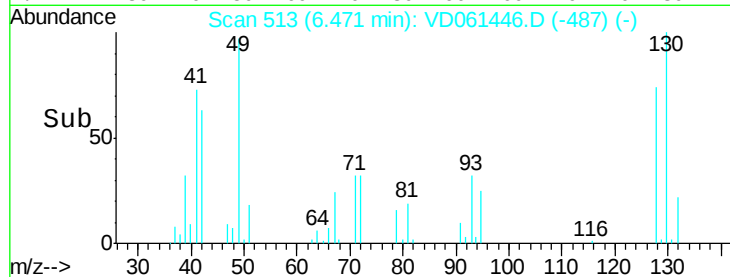
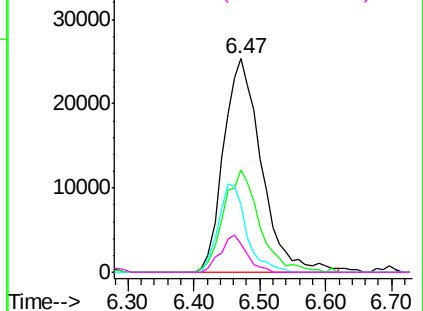
39 48.0 35.0 52.6

67 31.8 21.0 31.6#

52 13.1 7.7 11.5#



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: 24.447 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.05 min

Lab File: VD061446.D

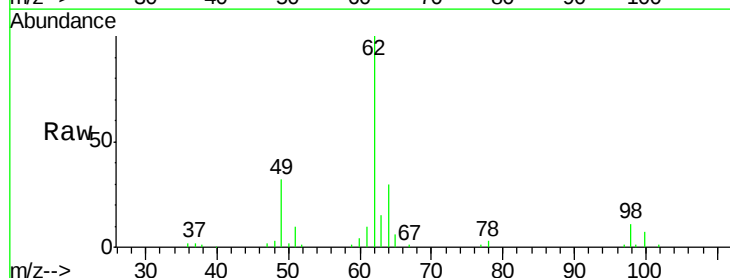
Acq: 31 Mar 2019 14:55

Tgt Ion: 62 Resp: 174253

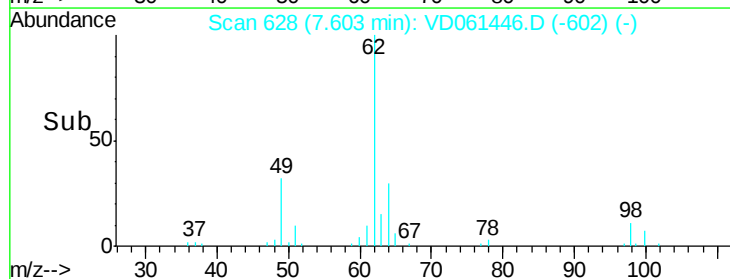
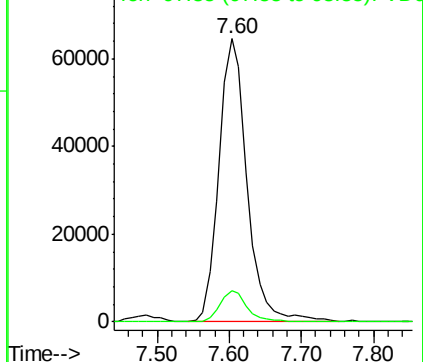
Ion Ratio Lower Upper

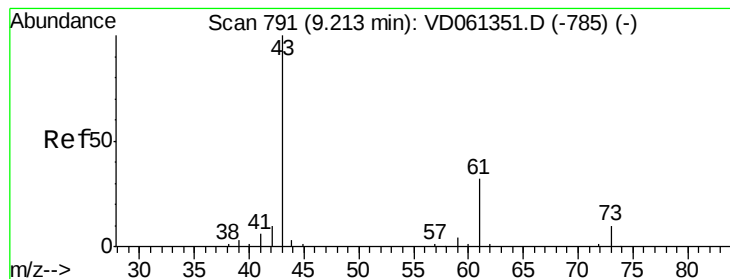
62 100

98 10.8 0.0 19.8



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



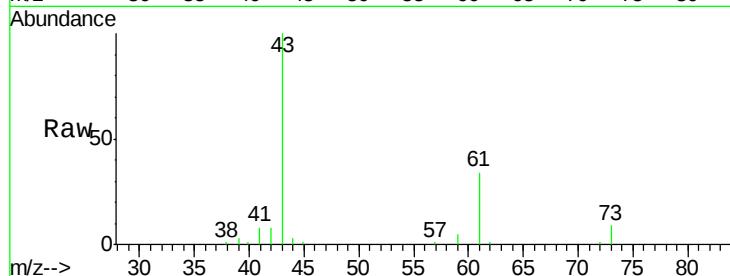


#43

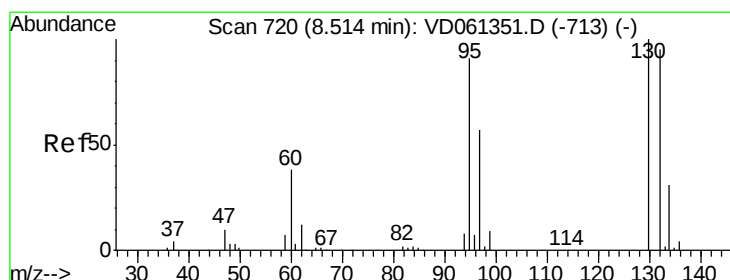
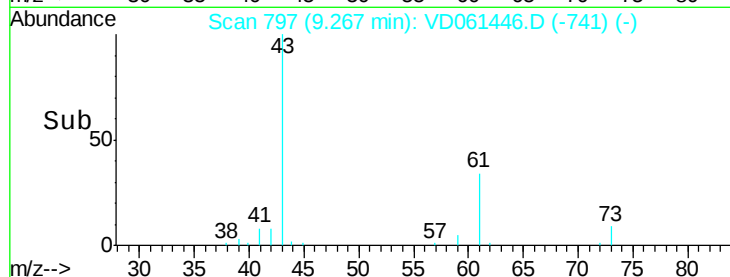
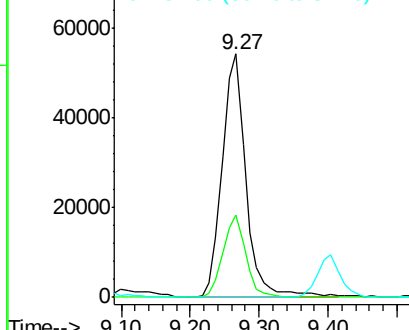
Isopropyl Acetate
 Concen: 22.109 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.05 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 130622
 Ion Ratio Lower Upper
 43 100
 61 33.9 25.8 38.6
 87 0.0 0.0 0.0



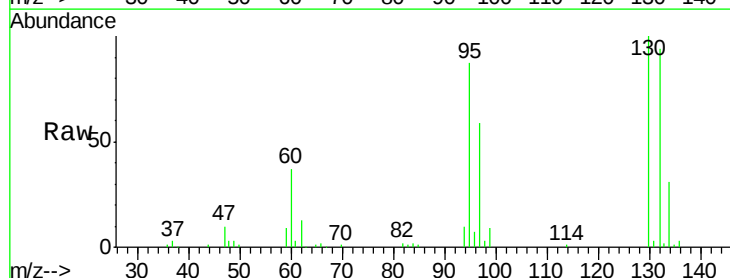
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



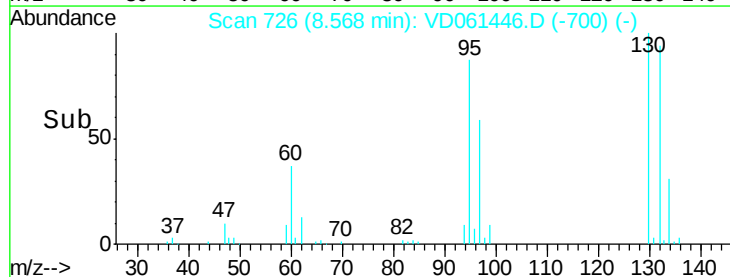
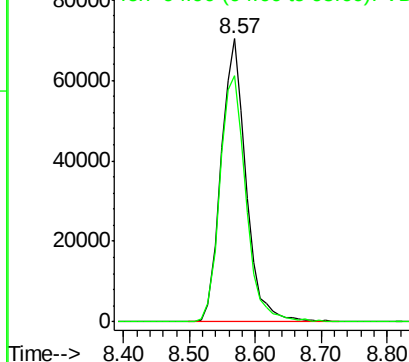
#44

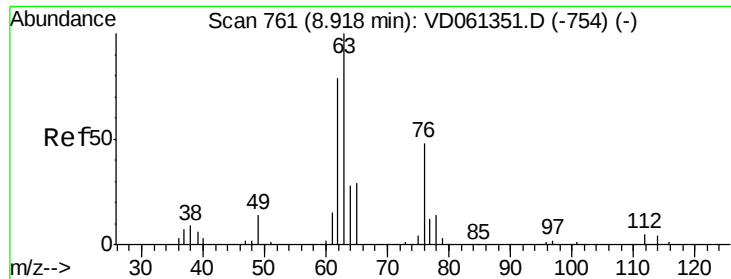
Trichloroethene
 Concen: 20.921 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.05 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion: 130 Resp: 185527
 Ion Ratio Lower Upper
 130 100
 95 87.1 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 21.611 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

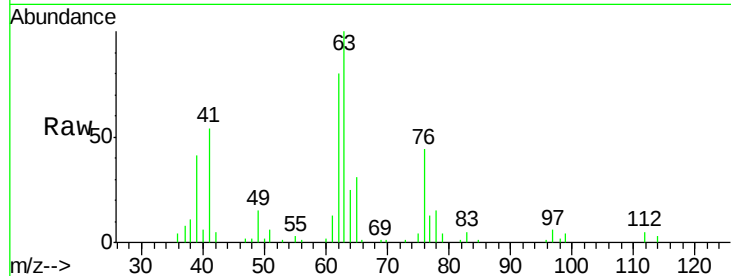
ClientSampled :

Tot Ion: 63 Resp: 130582

Ion Ratio Lower Upper

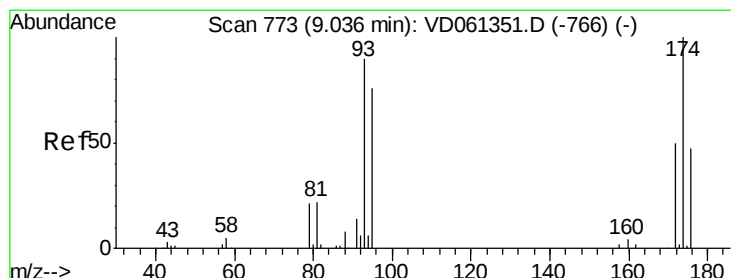
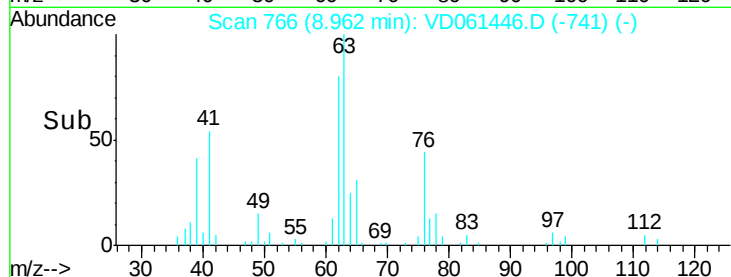
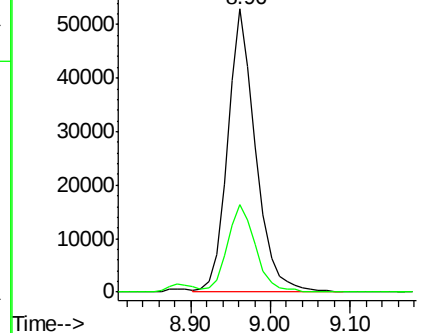
63 100

65 30.9 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.279 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

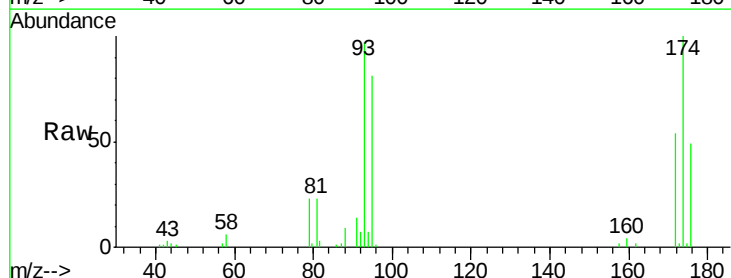
Tgt Ion: 93 Resp: 86542

Ion Ratio Lower Upper

93 100

95 83.5 67.4 101.0

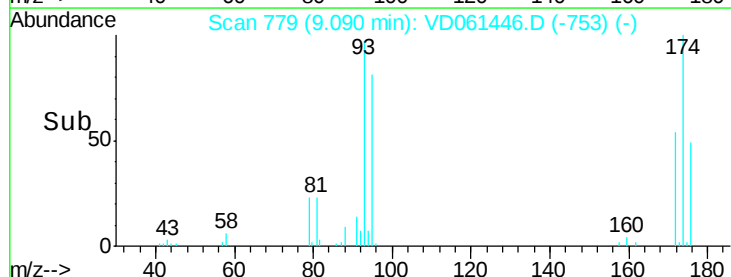
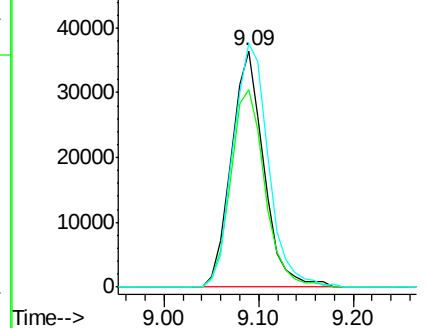
174 103.0 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.869 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampled :

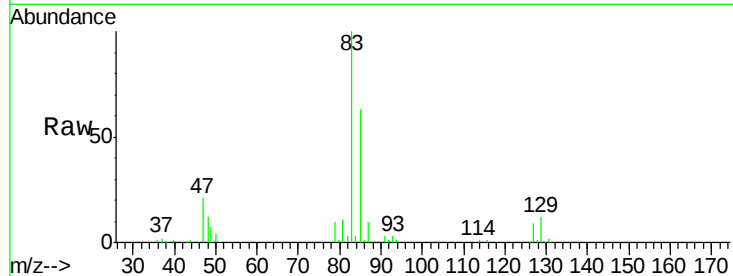
Tot Ion: 83 Resp: 208750

Ion Ratio Lower Upper

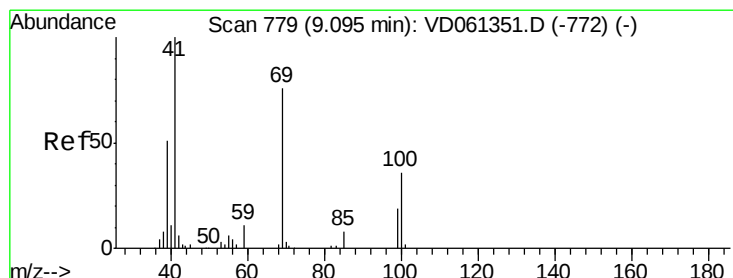
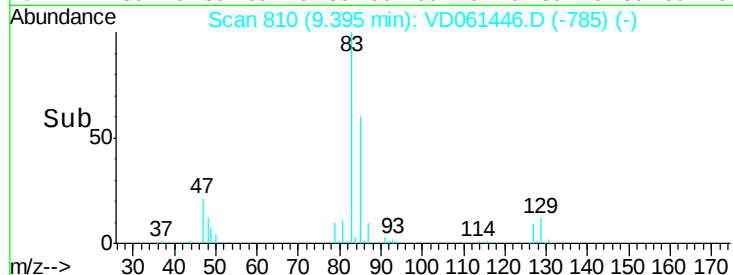
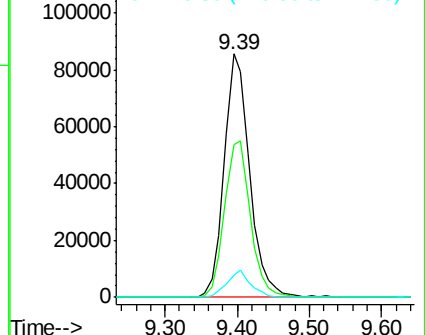
83 100

85 62.8 53.0 79.4

127 9.3 8.4 12.6



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): V



#48

Methyl methacrylate

Concen: 22.254 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.05 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

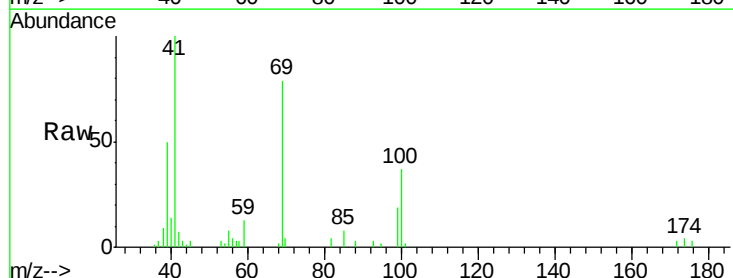
Tgt Ion: 41 Resp: 72562

Ion Ratio Lower Upper

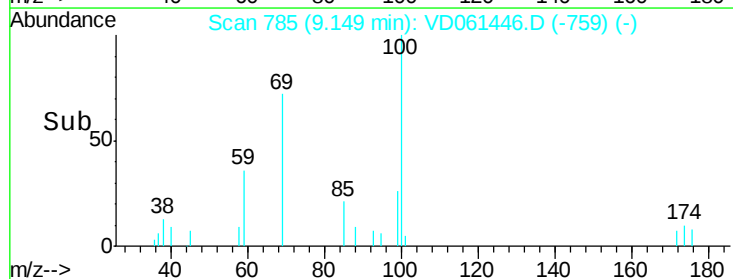
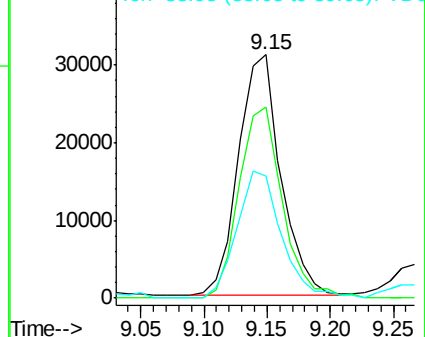
41 100

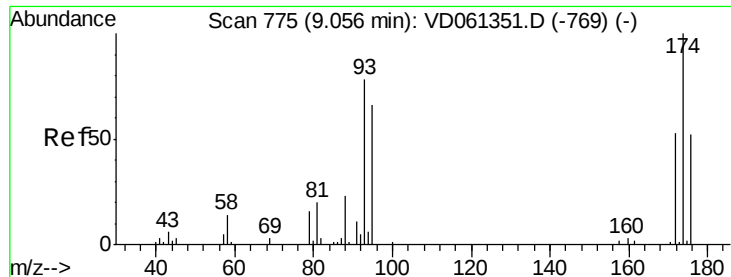
69 78.7 60.2 90.4

39 50.2 41.4 62.2



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





#49

1,4-Dioxane

Concen: 428.281 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

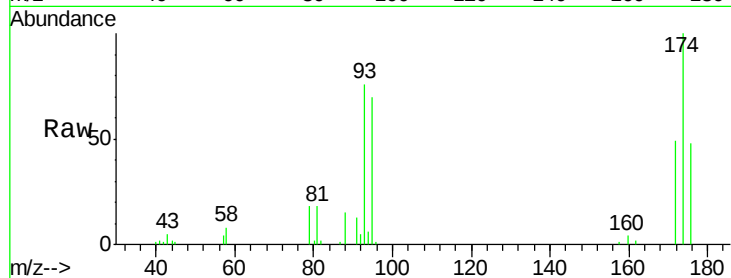
Tot Ion: 88 Resp: 15403

Ion Ratio Lower Upper

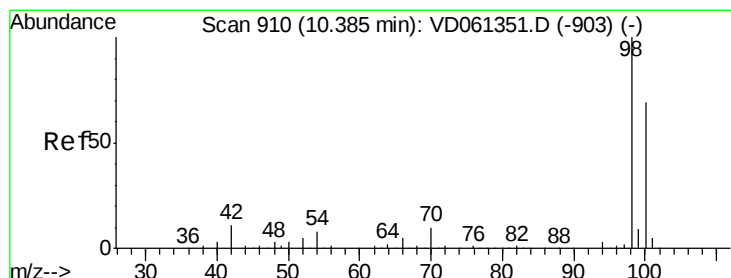
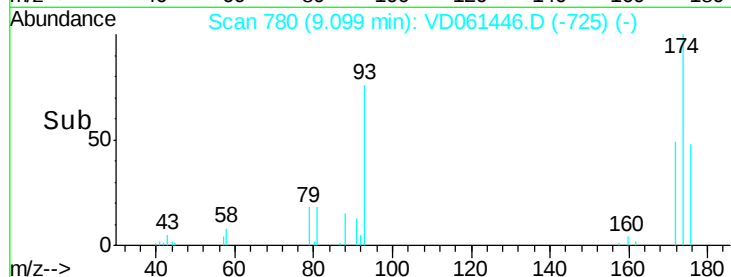
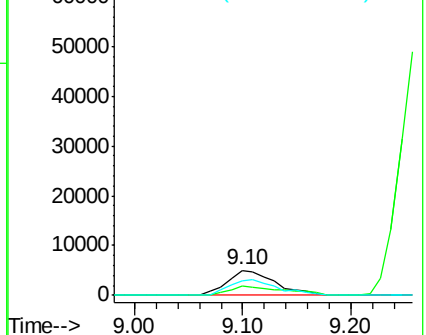
88 100

43 34.8 23.3 34.9

58 55.7 50.8 76.2



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: 428.281 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.04 min

Lab File: VD061446.D

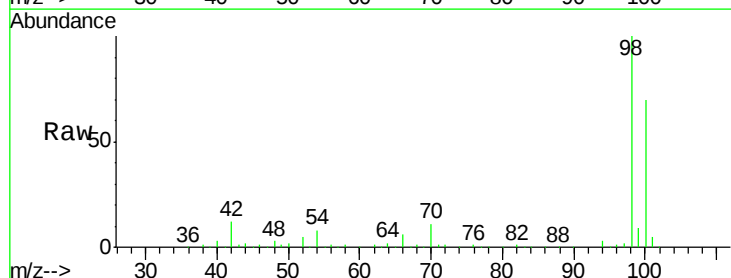
Acq: 31 Mar 2019 14:55

Tgt Ion: 98 Resp: 1042186

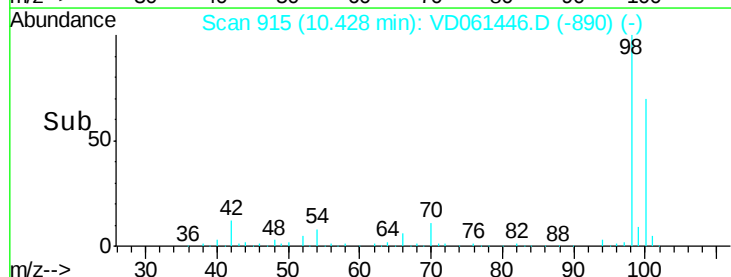
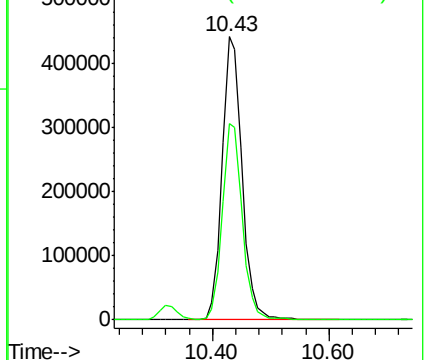
Ion Ratio Lower Upper

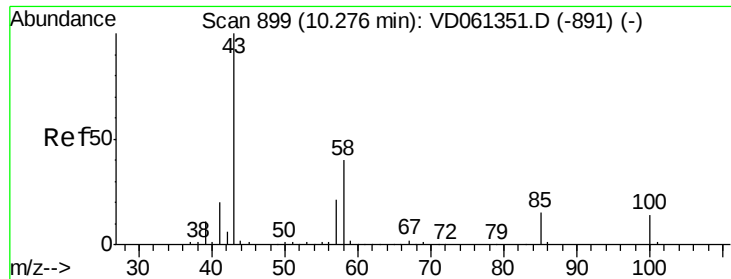
98 100

100 69.5 56.2 84.2



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: 106.585 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

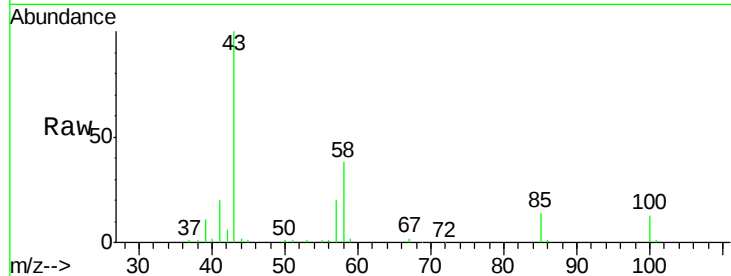
ClientSampleId :

Tot Ion: 43 Resp: 383119

Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

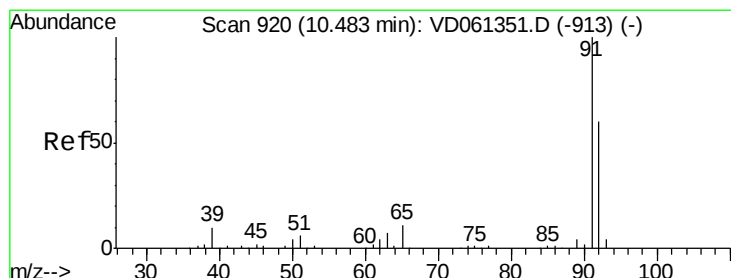
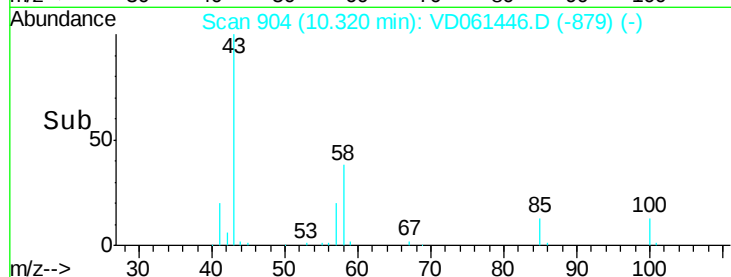
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 23.430 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.04 min

Lab File: VD061446.D

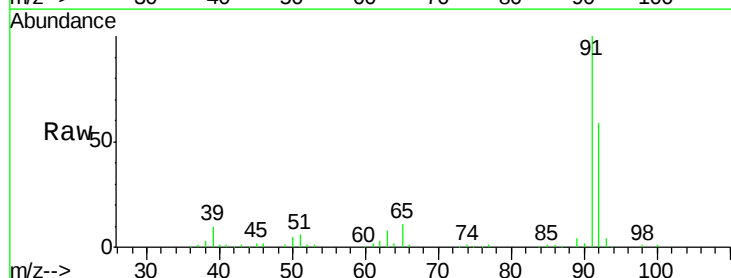
Acq: 31 Mar 2019 14:55

Tgt Ion: 92 Resp: 340619

Ion Ratio Lower Upper

92 100

91 169.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

250000

200000

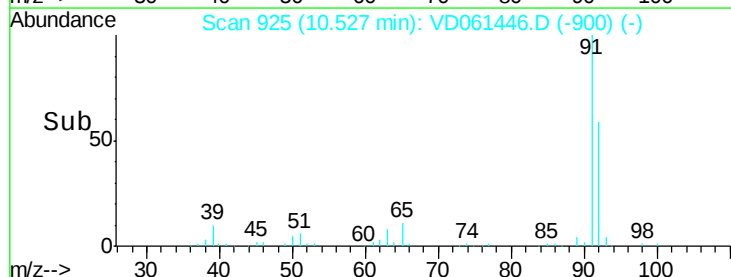
150000

100000

50000

0

Time--> 10.40 10.50 10.60 10.70

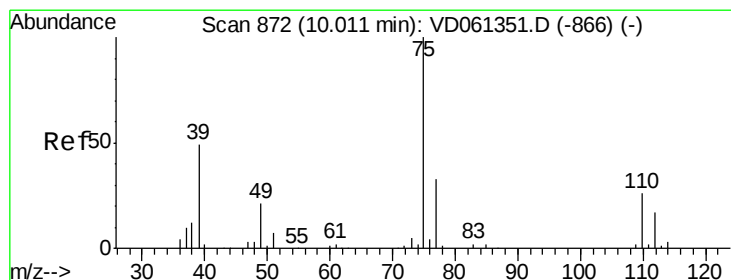
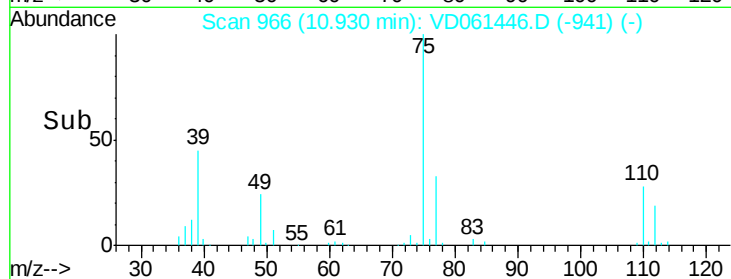
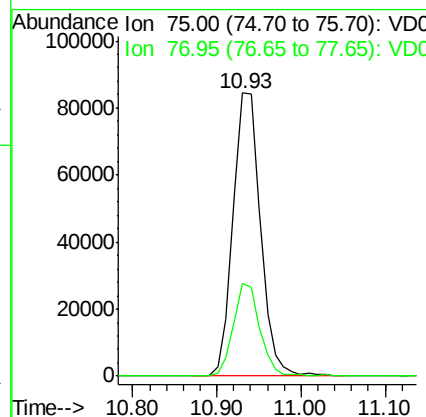
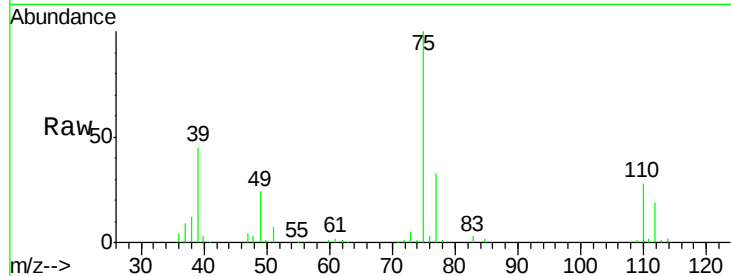




#53
t-1,3-Dichloropropene
Concen: 23.217 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

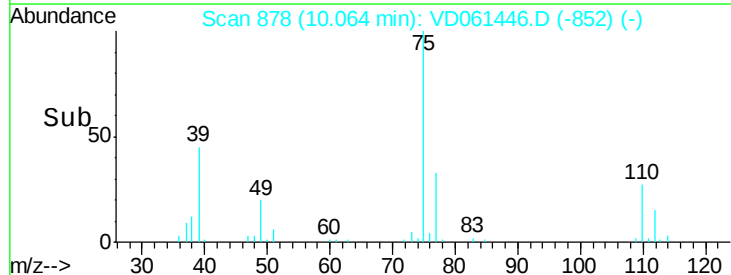
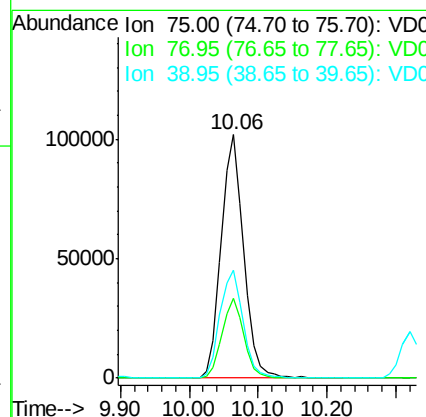
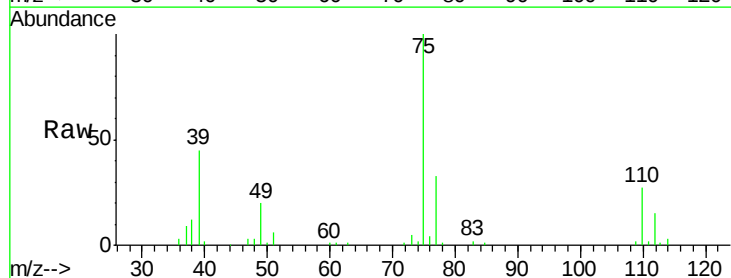
Instrument :
MSVOA_D
ClientSampleId :

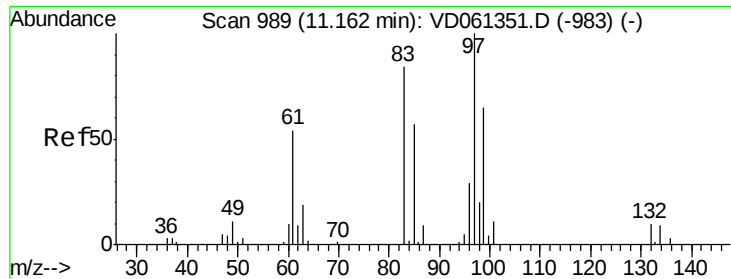
Tot Ion: 75 Resp: 192546
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 22.797 ug/l
RT: 10.06 min Scan# 878
Delta R.T. 0.05 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 75 Resp: 230213
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.4
39 44.5 39.4 59.0

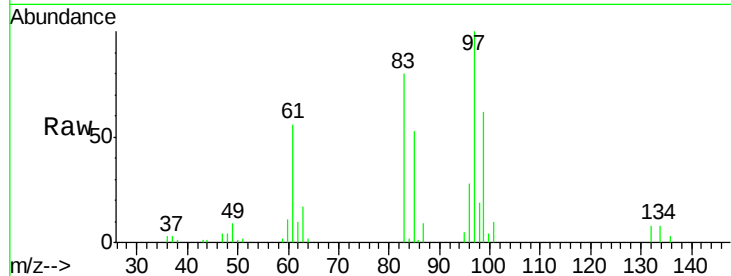




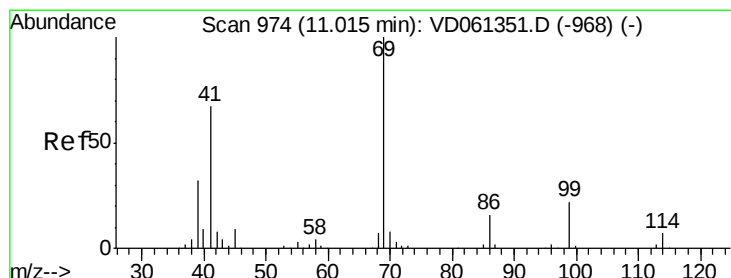
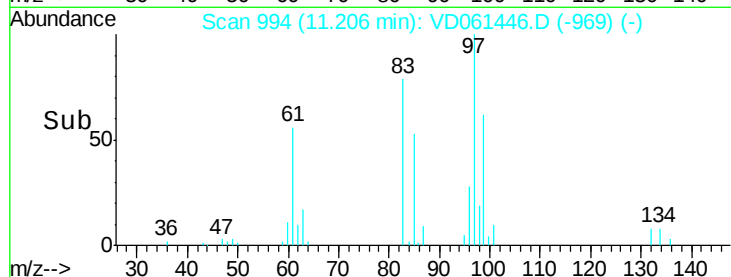
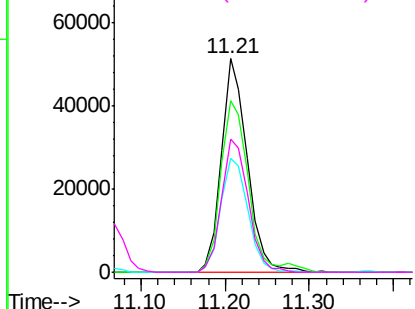
#55
1,1,2-Trichloroethane
Concen: 21.648 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 110062
Ion Ratio Lower Upper
97 100
83 80.1 67.0 100.6
85 53.4 45.4 68.2
99 62.1 51.9 77.9

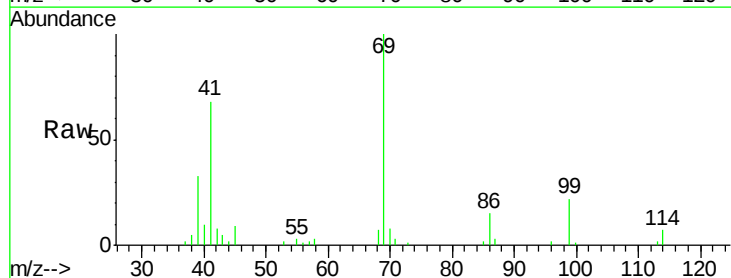


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

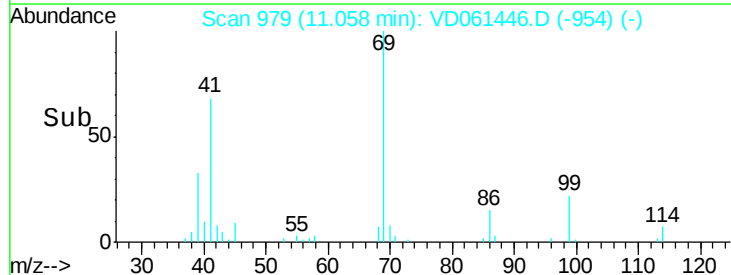
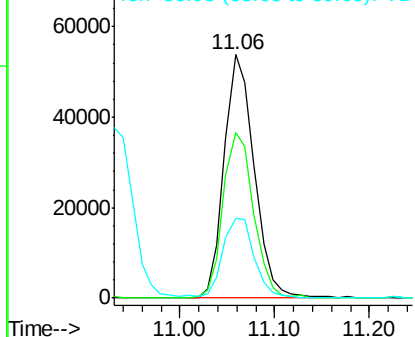


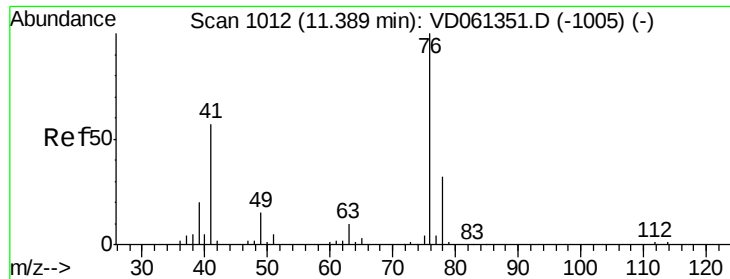
#56
Ethyl methacrylate
Concen: 21.692 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 69 Resp: 118476
Ion Ratio Lower Upper
69 100
41 68.1 53.8 80.6
39 33.0 26.4 39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

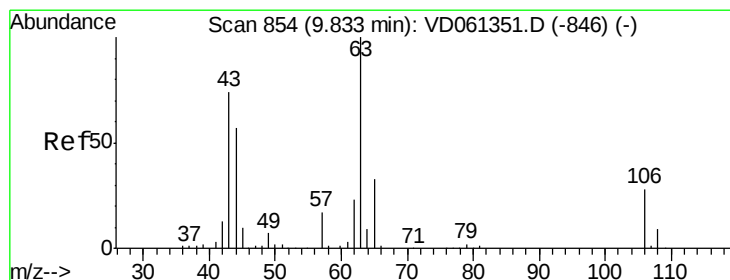
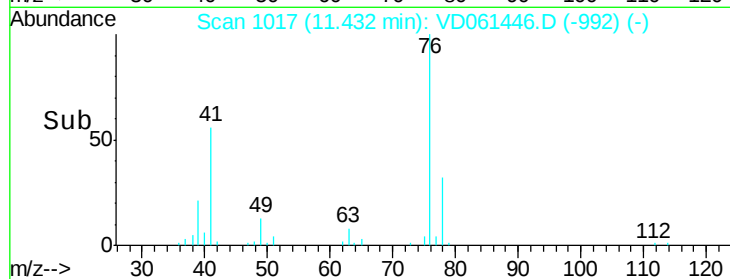
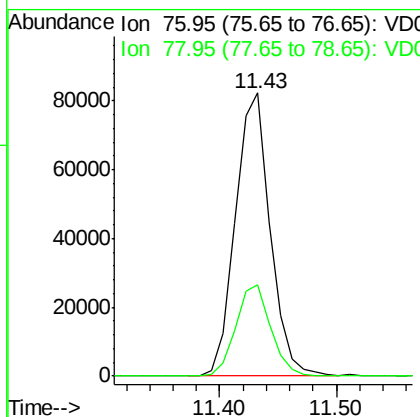
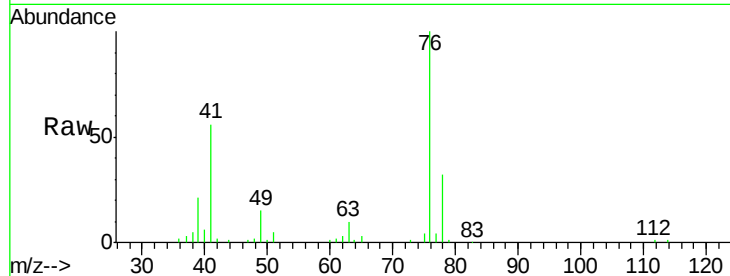




#57
 1,3-Dichloropropane
 Concen: 22.734 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.04 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

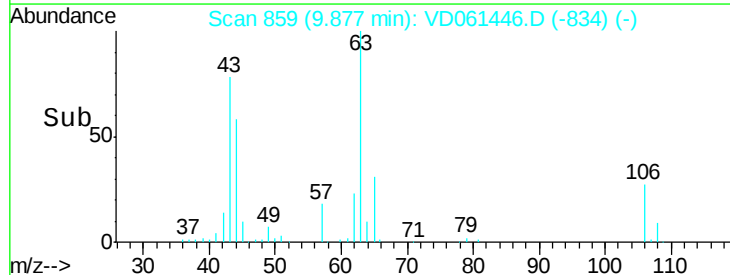
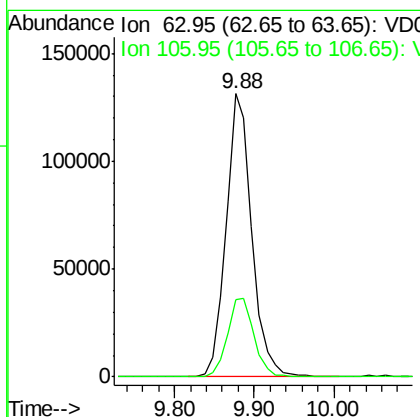
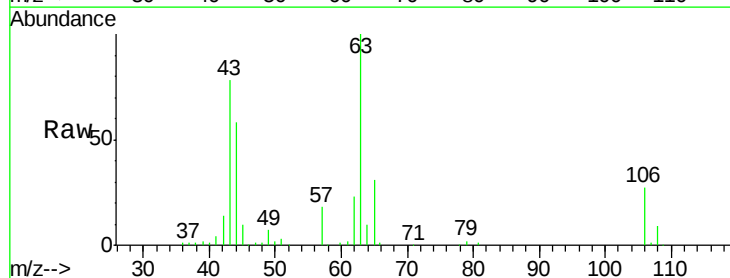
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 169887
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.721 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.04 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion: 63 Resp: 297157
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.4 33.6

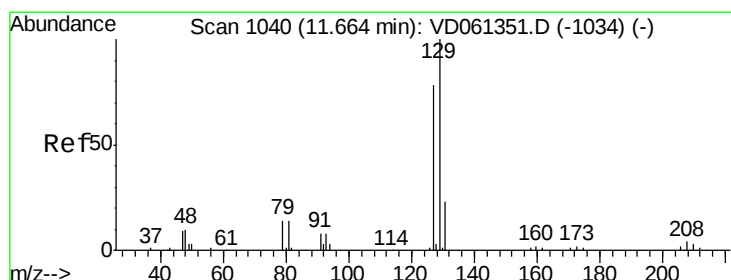
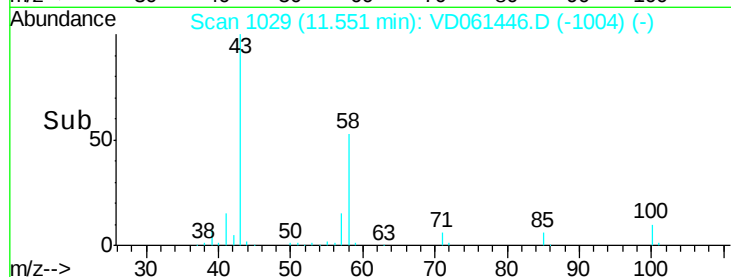
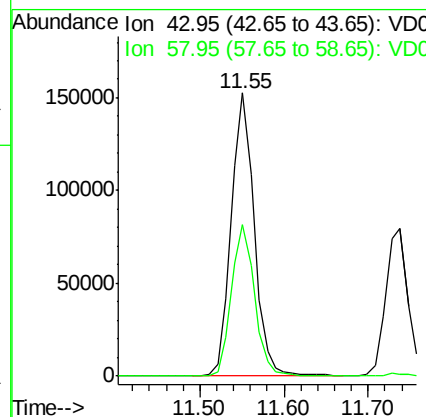
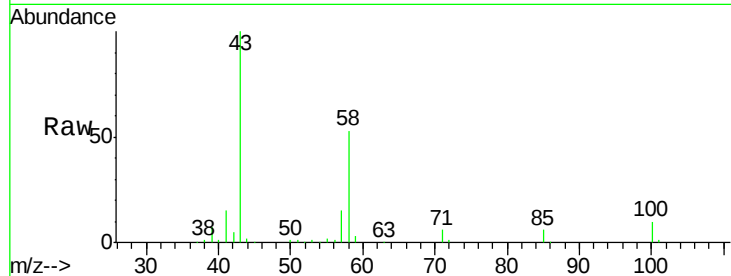




#59
2-Hexanone
Concen: 111.467 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

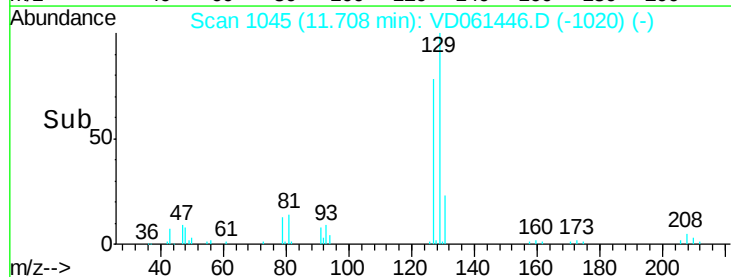
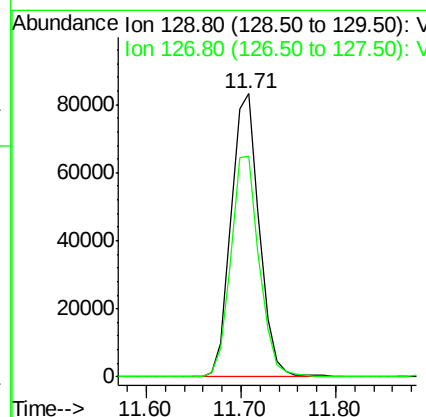
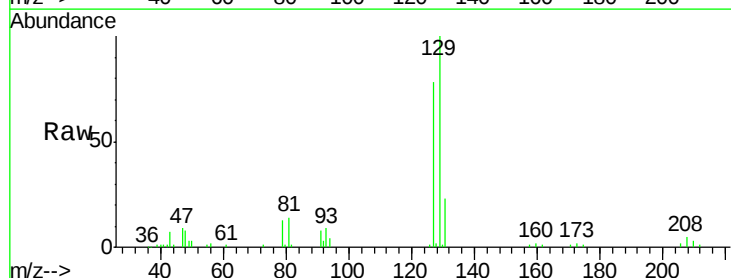
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 290294
Ion Ratio Lower Upper
43 100
58 53.3 26.3 78.9



#60
Dibromochloromethane
Concen: 21.879 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 129 Resp: 171481
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

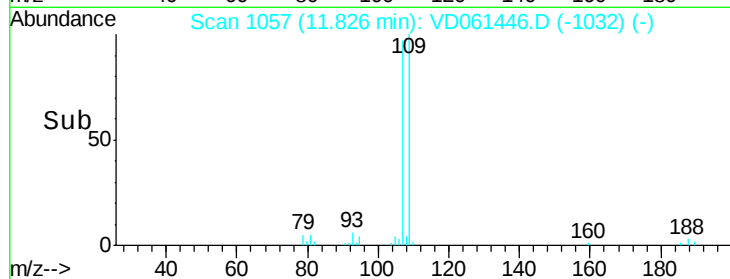
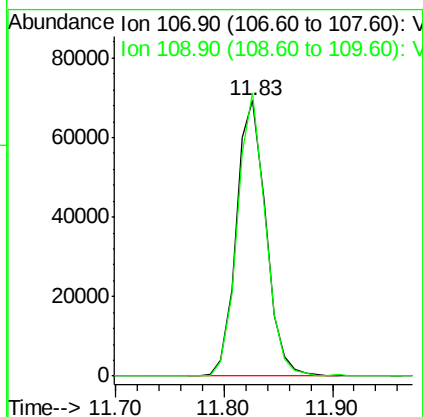
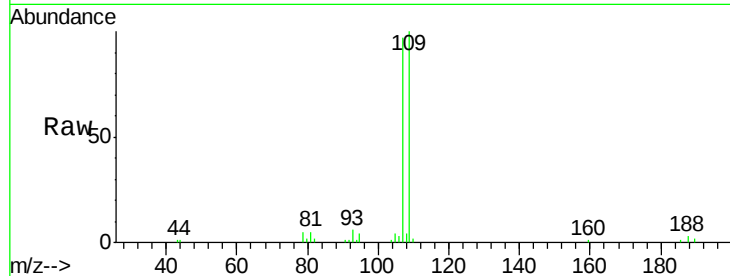




#61
 1,2-Dibromoethane
 Concen: 22.379 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.04 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

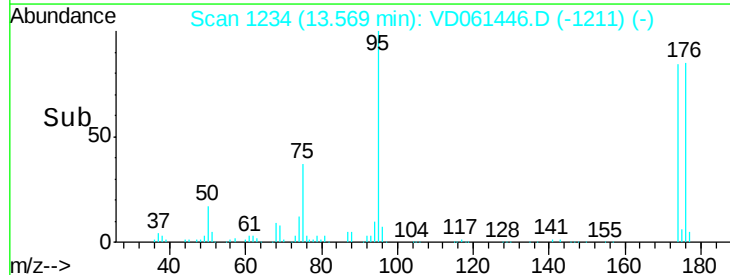
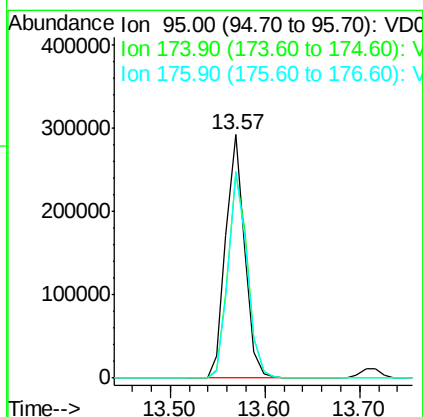
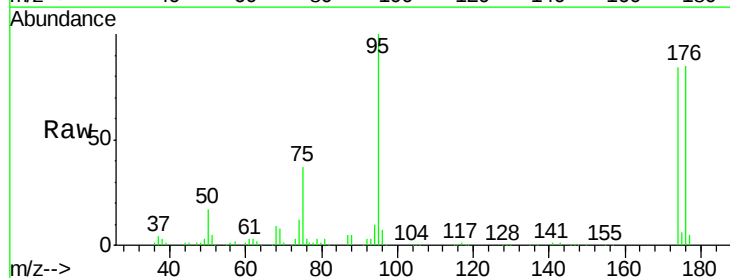
Instrument :
 MSVOA_D
 ClientSampleId :

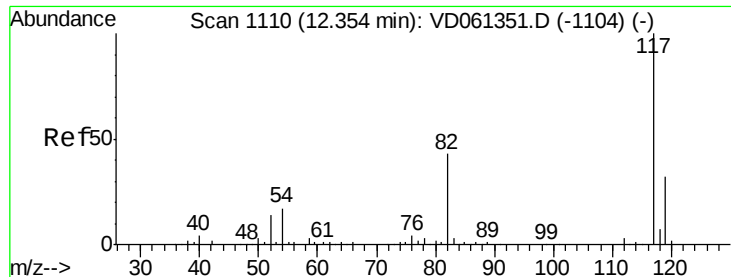
Tot Ion: 107 Resp: 131746
 Ion Ratio Lower Upper
 107 100
 109 102.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 22.379 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion: 95 Resp: 406559
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 178.0
 176 84.9 0.0 175.0

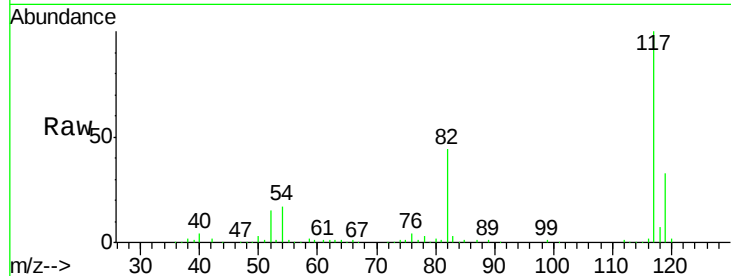




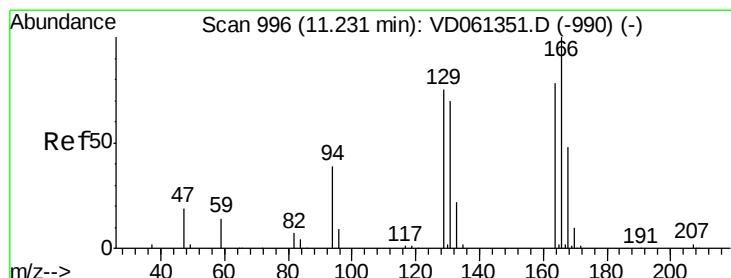
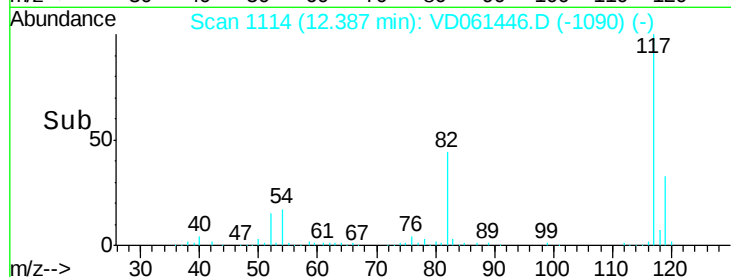
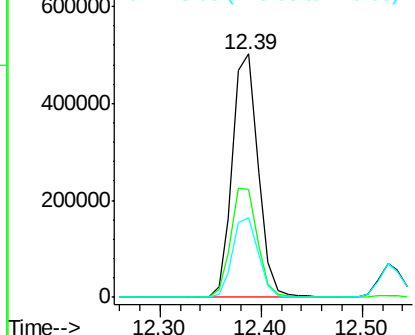
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 894664
Ion Ratio Lower Upper
117 100
82 44.2 34.4 51.6
119 33.0 25.8 38.6

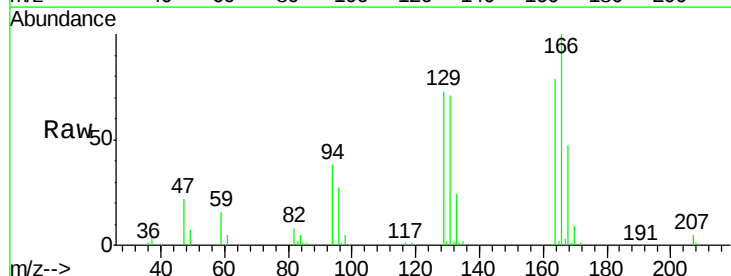


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

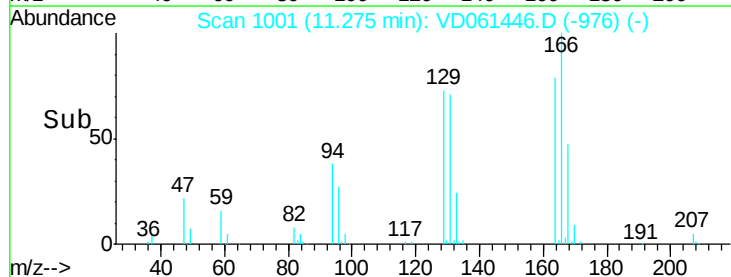
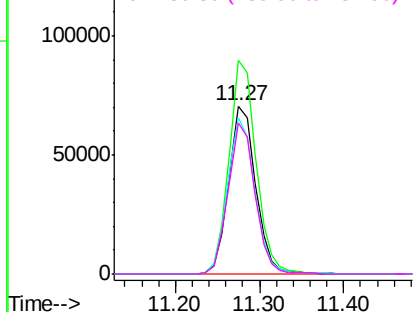


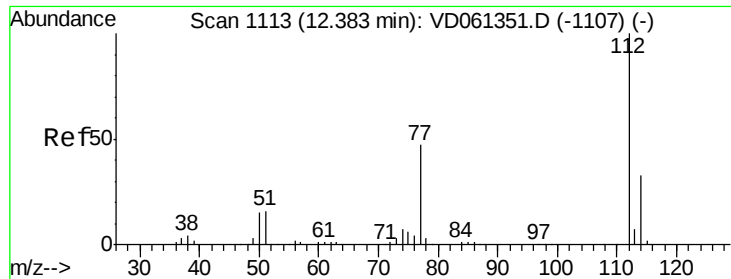
#64
Tetrachloroethene
Concen: 22.532 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion:164 Resp: 158212
Ion Ratio Lower Upper
164 100
166 127.3 102.4 153.6
129 93.0 76.8 115.2
131 89.8 71.8 107.6



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

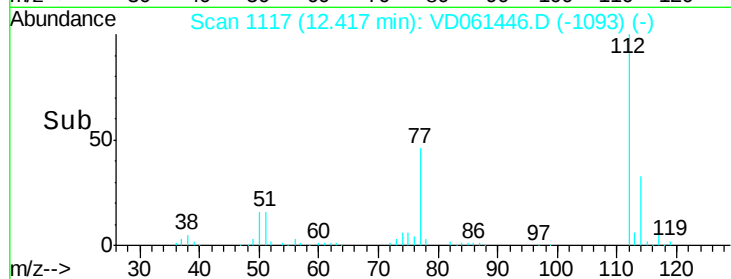
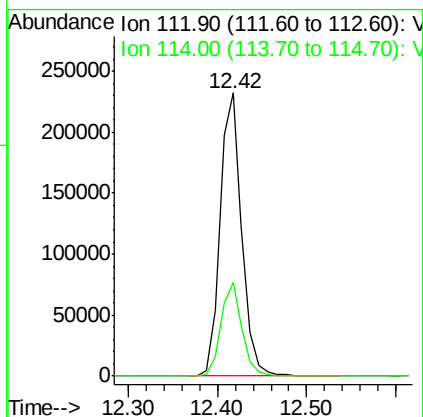
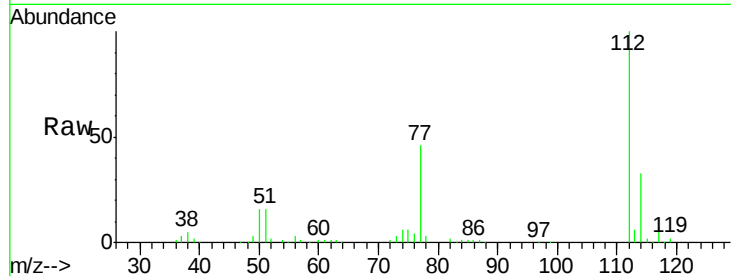




#65
Chlorobenzene
Concen: 21.494 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

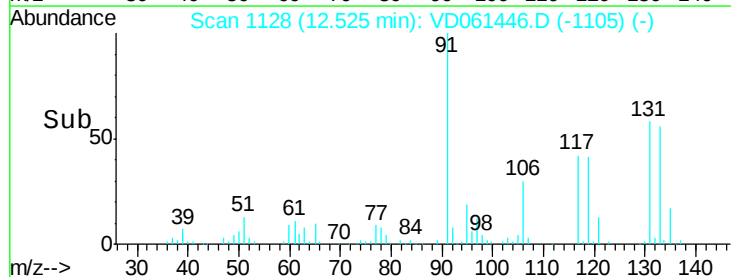
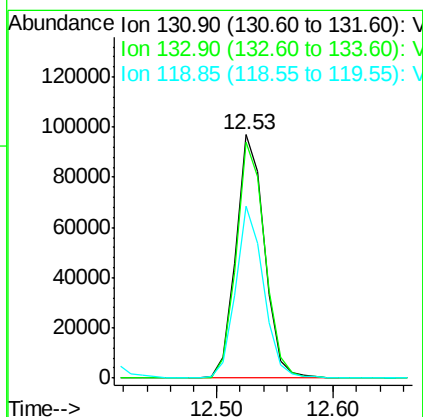
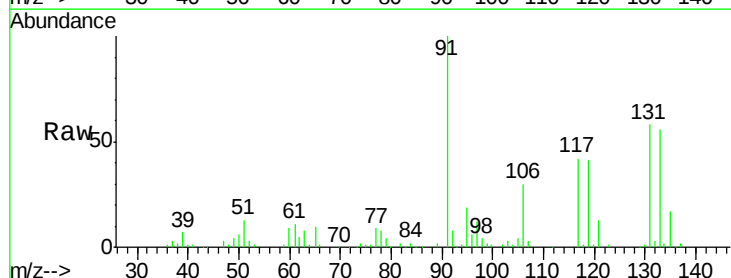
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 392996
Ion Ratio Lower Upper
112 100
114 33.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.172 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion:131 Resp: 164040
Ion Ratio Lower Upper
131 100
133 97.1 49.4 148.2
119 70.6 34.1 102.2

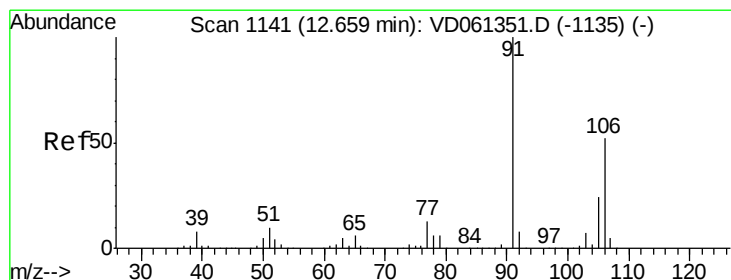
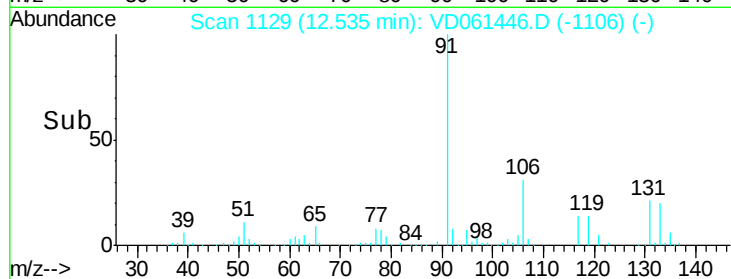
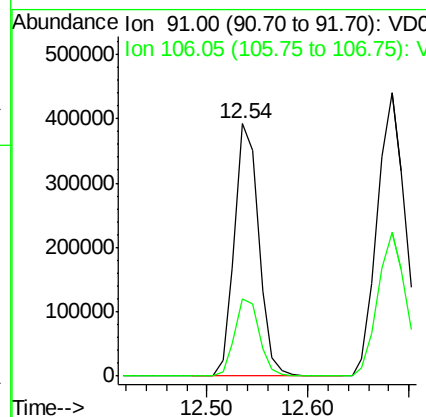
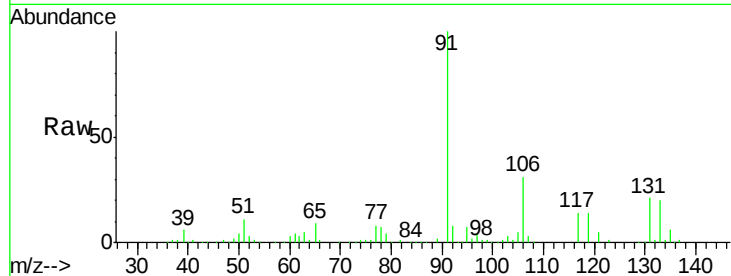




#67
Ethyl Benzene
Concen: 23.609 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

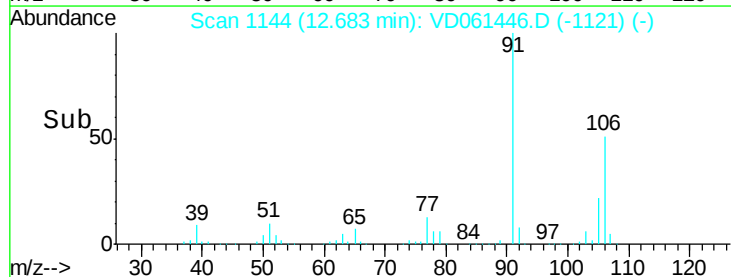
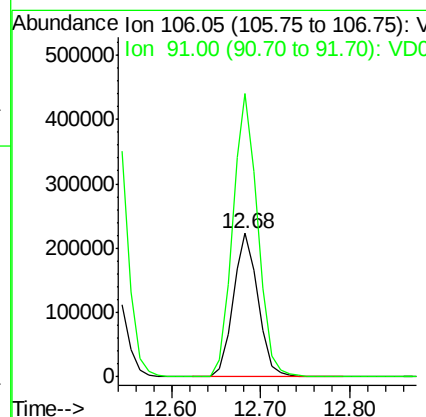
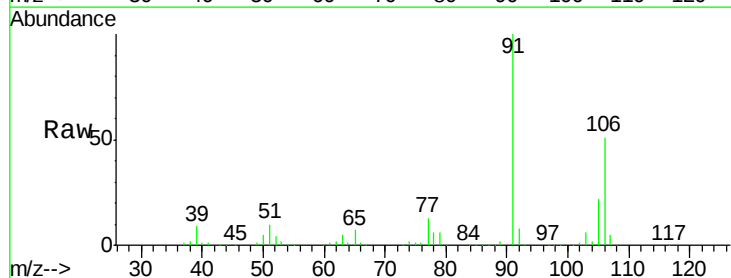
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 658872
Ion Ratio Lower Upper
91 100
106 30.6 26.1 39.1



#68
m/p-Xylenes
Concen: 41.161 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 106 Resp: 435137
Ion Ratio Lower Upper
106 100
91 197.1 153.1 229.7

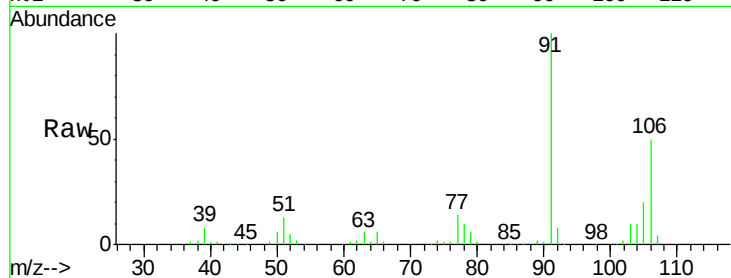




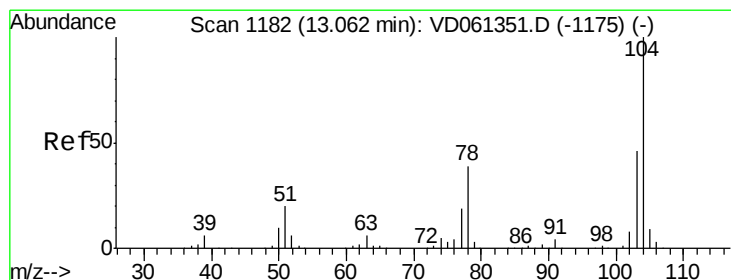
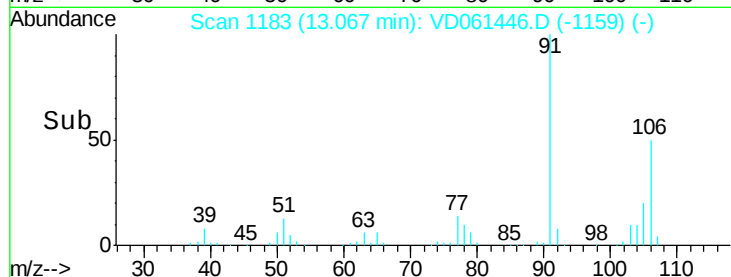
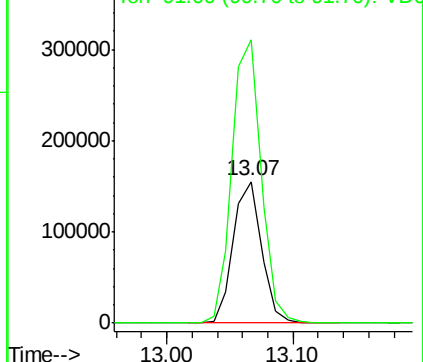
#69
o-Xylene
Concen: 23.507 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 241159
Ion Ratio Lower Upper
106 100
91 199.8 103.8 311.3

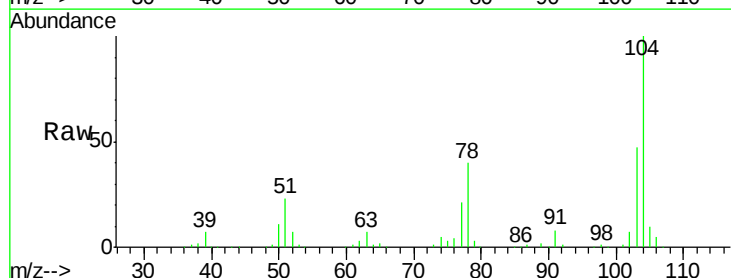


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

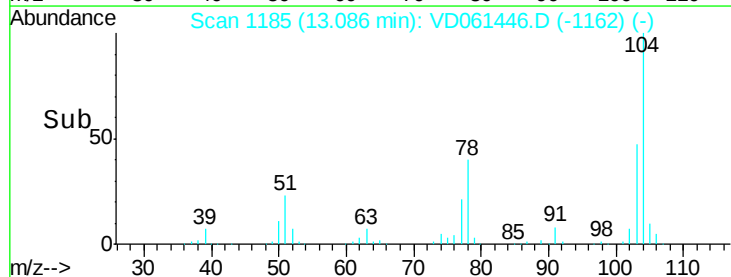
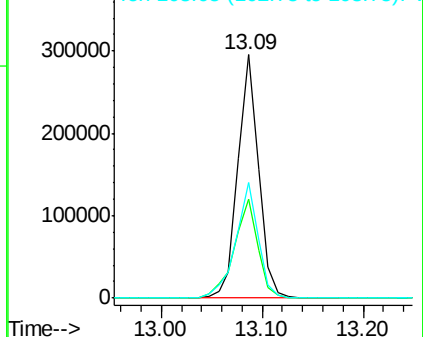


#70
Styrene
Concen: 23.495 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion:104 Resp: 420177
Ion Ratio Lower Upper
104 100
78 40.5 31.0 46.6
103 47.2 37.0 55.4



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





#71

Bromoform

Concen: 21.203 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

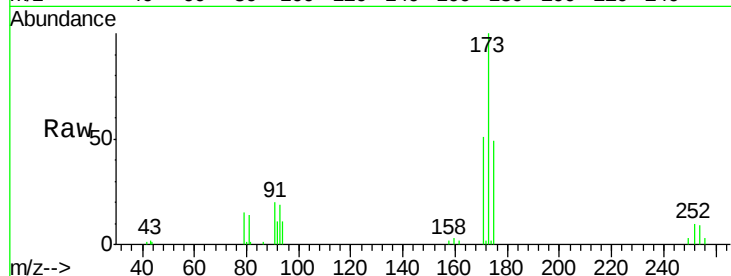
Tot Ion:173 Resp: 95150

Ion Ratio Lower Upper

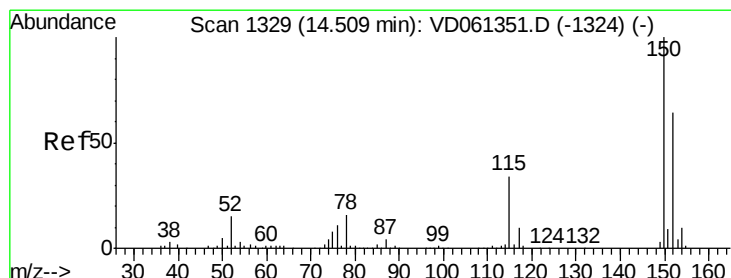
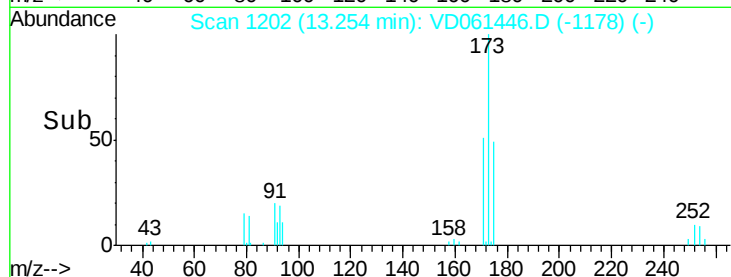
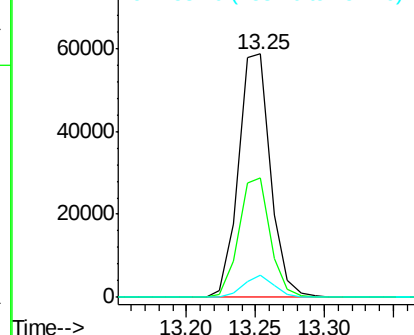
173 100

175 49.3 24.6 73.8

254 9.1 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

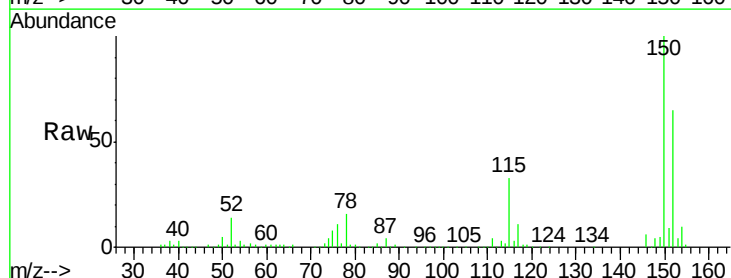
Tgt Ion:152 Resp: 433812

Ion Ratio Lower Upper

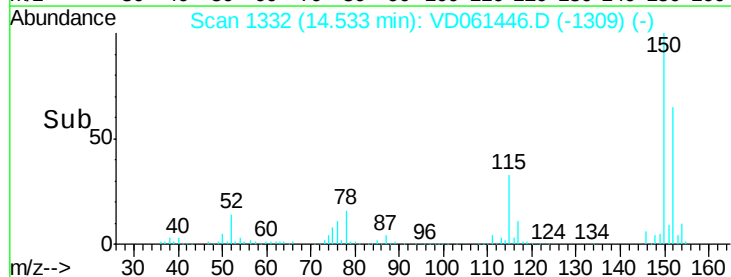
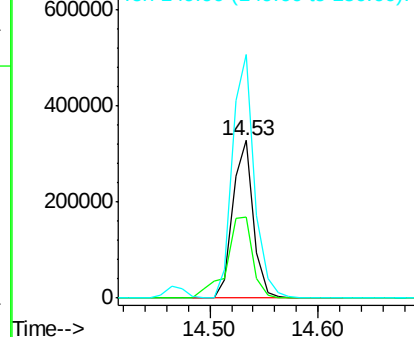
152 100

115 51.5 26.9 80.6

150 154.8 0.0 318.0



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

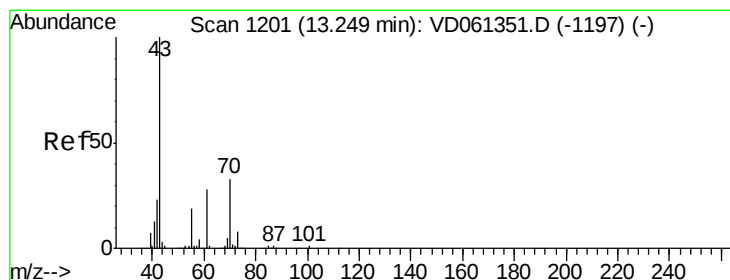
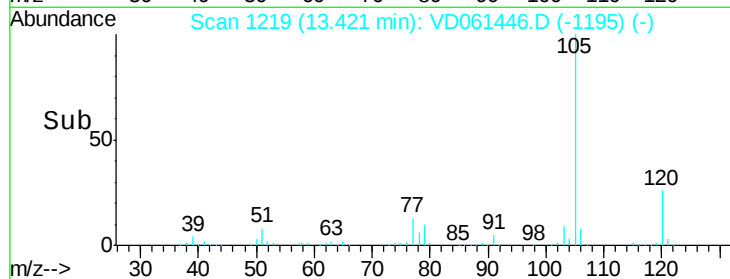
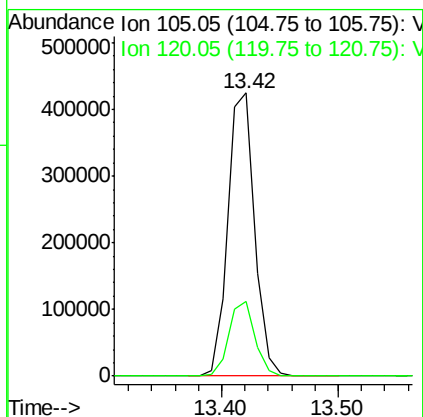
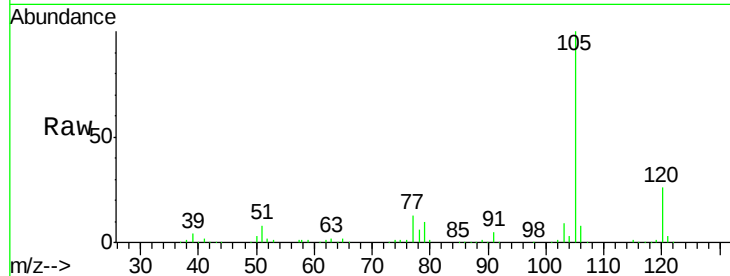




#73
Isopropylbenzene
Concen: 22.347 ug/l
RT: 13.42 min Scan# 1219
Delta R.T. 0.03 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

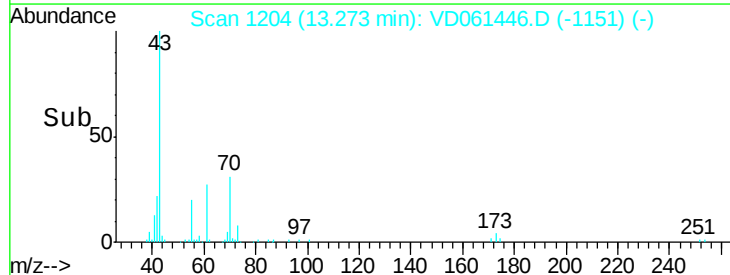
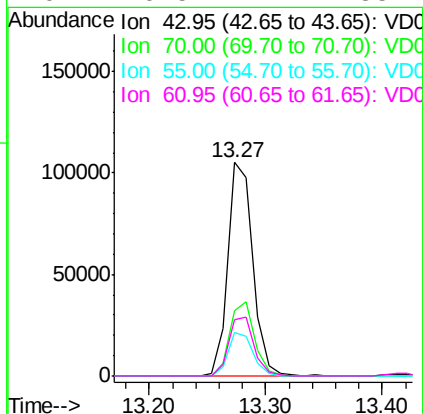
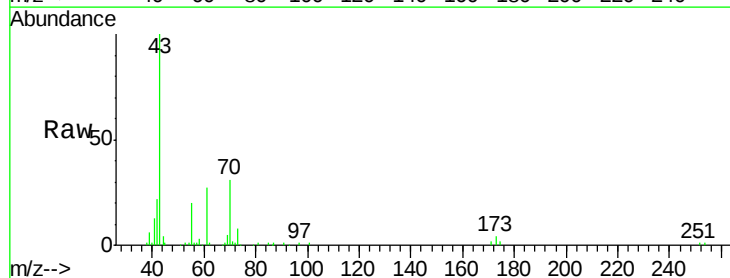
Instrument :
MSVOA_D
ClientSampleId :

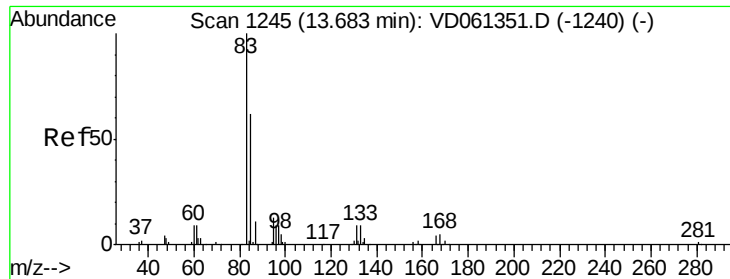
Tot Ion:105 Resp: 674717
Ion Ratio Lower Upper
105 100
120 26.3 12.8 38.3



#74
N-ethyl acetate
Concen: 18.591 ug/l
RT: 13.27 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 43 Resp: 156364
Ion Ratio Lower Upper
43 100
70 30.5 26.6 40.0
55 20.1 15.4 23.2
61 26.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.821 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

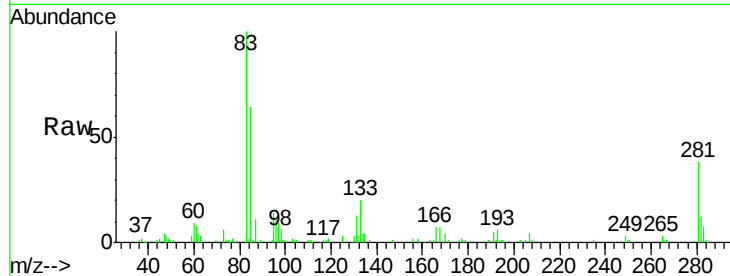
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 126243

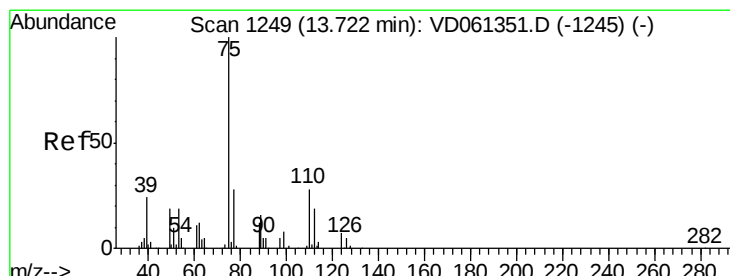
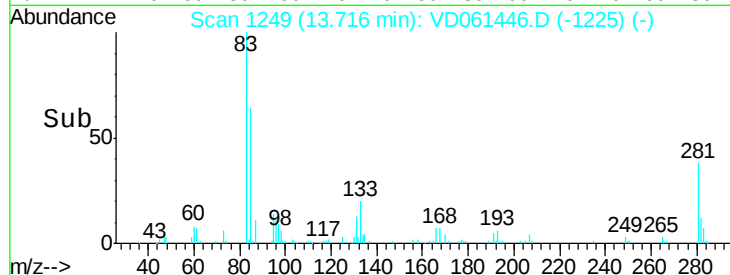
Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.3	13.1
85	64.3	31.2	93.6



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: 20.969 ug/l

RT: 13.75 min Scan# 1252

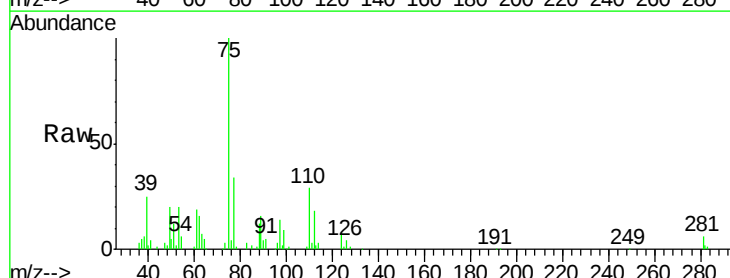
Delta R.T. 0.02 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

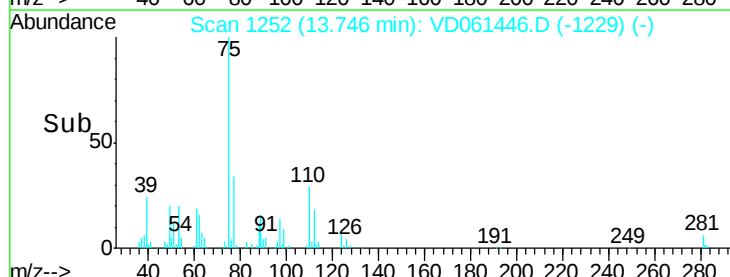
Tgt Ion: 75 Resp: 131402

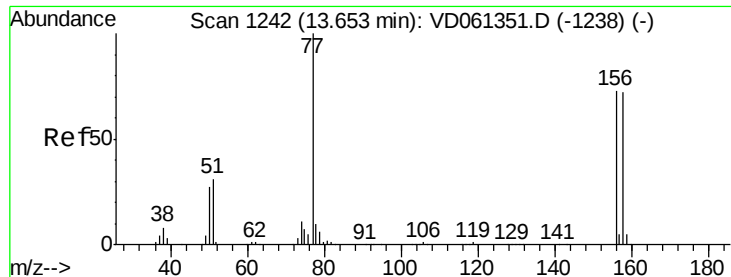
Ion	Ratio	Lower	Upper
75	100		
77	34.5	16.2	48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.722 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

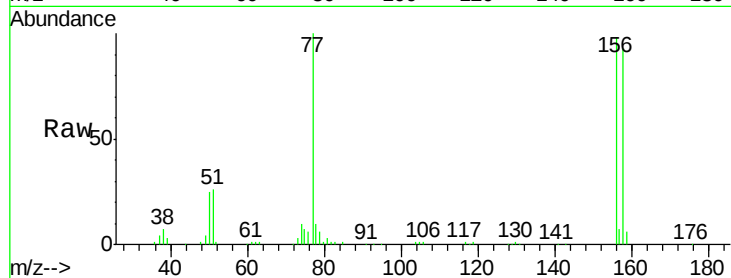
Tot Ion:156 Resp: 176534

Ion Ratio Lower Upper

156 100

77 102.0 68.5 205.6

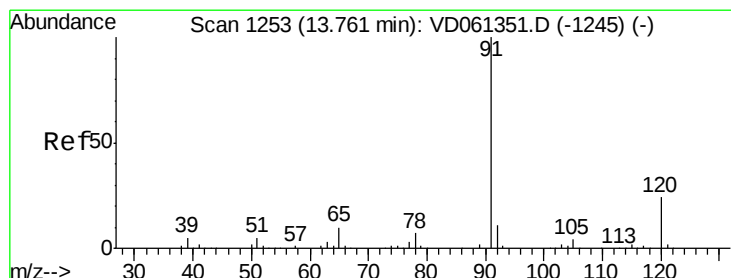
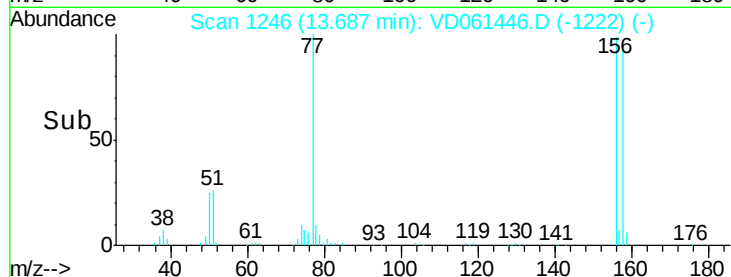
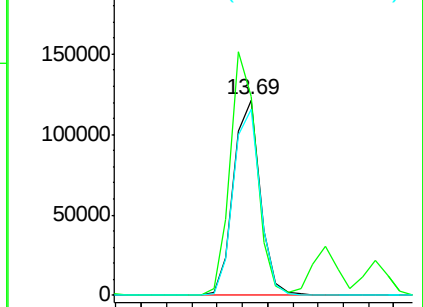
158 94.9 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.002 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061446.D

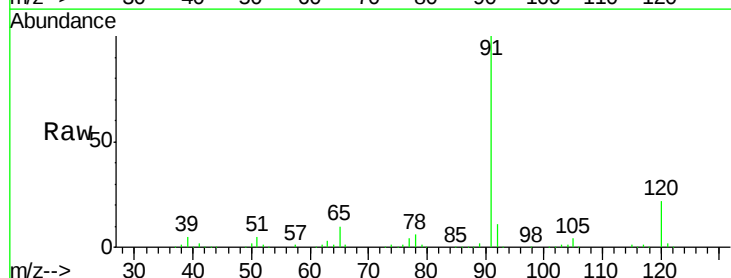
Acq: 31 Mar 2019 14:55

Tgt Ion: 91 Resp: 776012

Ion Ratio Lower Upper

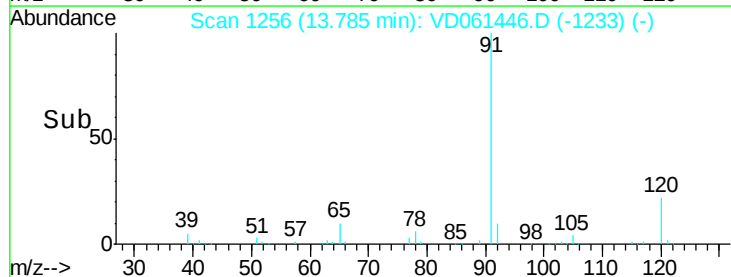
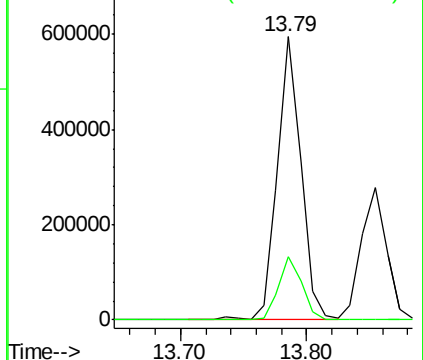
91 100

120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

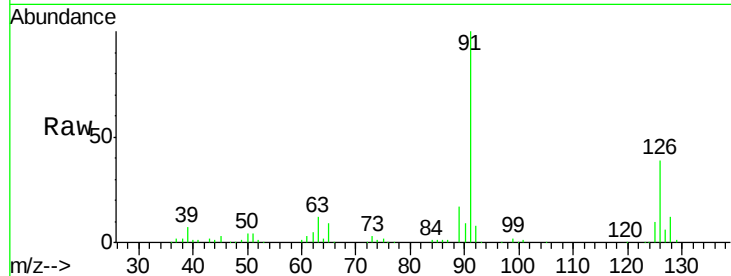




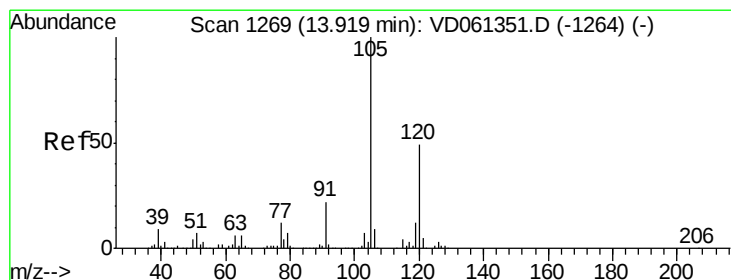
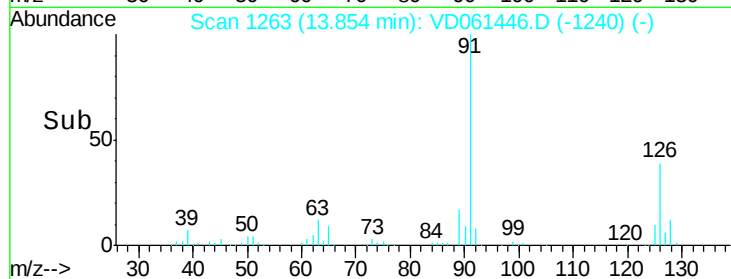
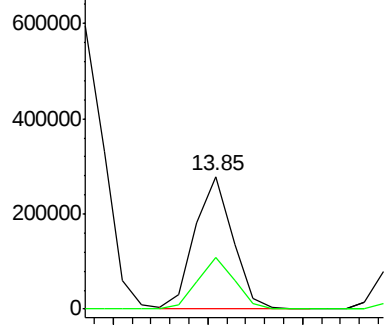
#79
2-Chlorotoluene
Concen: 19.083 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 382845
Ion Ratio Lower Upper
91 100
126 38.7 19.4 58.2

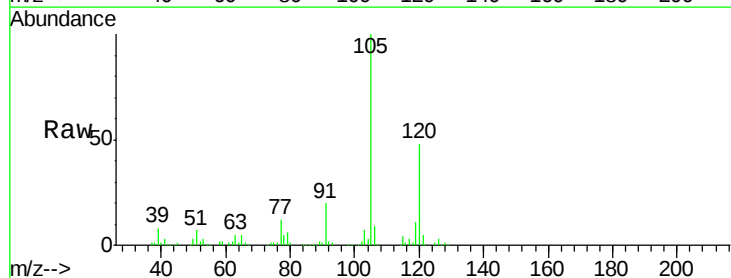


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

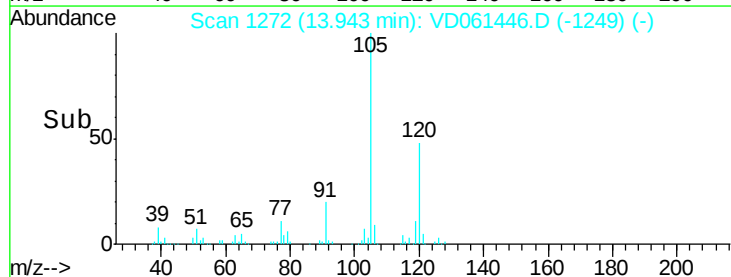
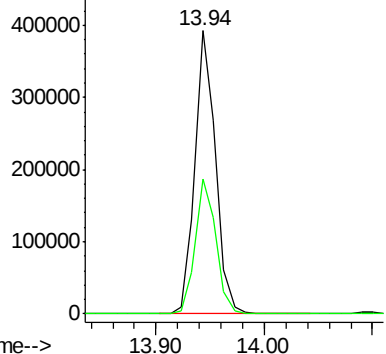


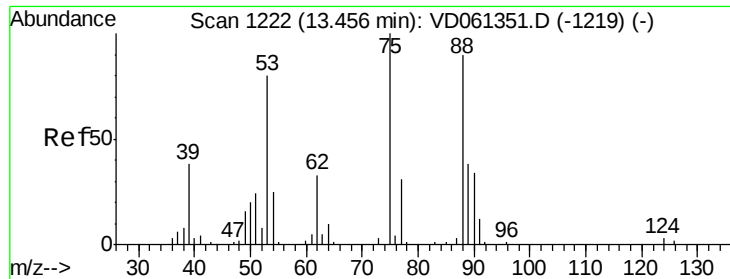
#80
1,3,5-Trimethylbenzene
Concen: 22.103 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 105 Resp: 517785
Ion Ratio Lower Upper
105 100
120 47.7 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.919 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.03 min

Lab File: VD061446.D

Acq: 31 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

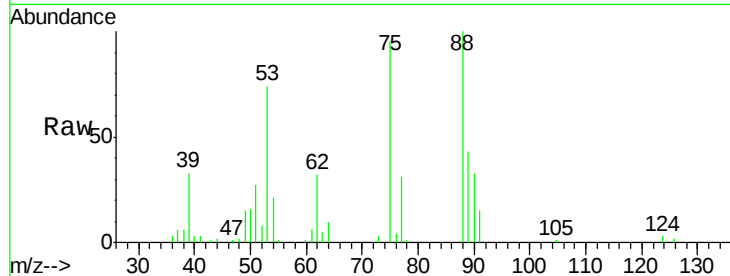
Tot Ion: 75 Resp: 39970

Ion Ratio Lower Upper

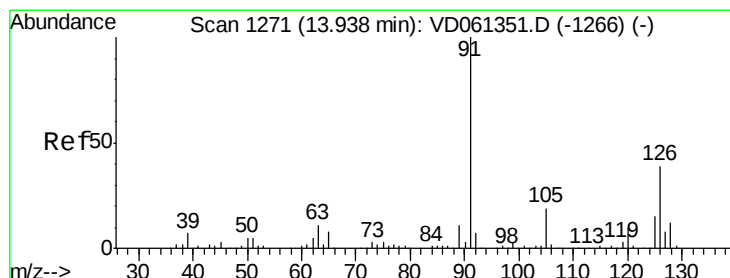
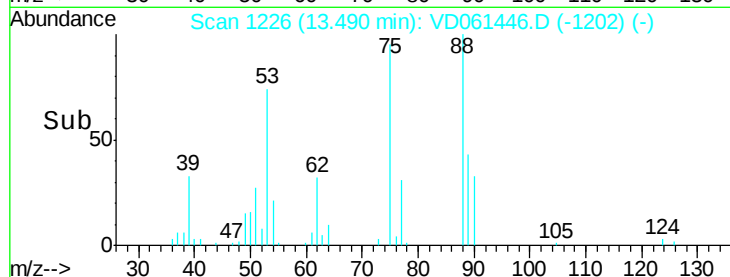
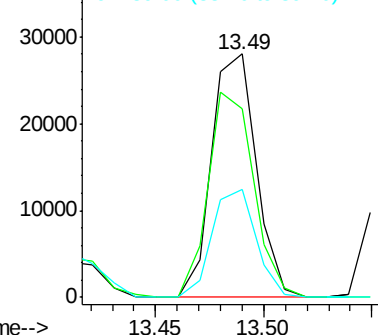
75 100

53 77.4 63.8 95.8

89 44.6 30.5 45.7



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: 21.251 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061446.D

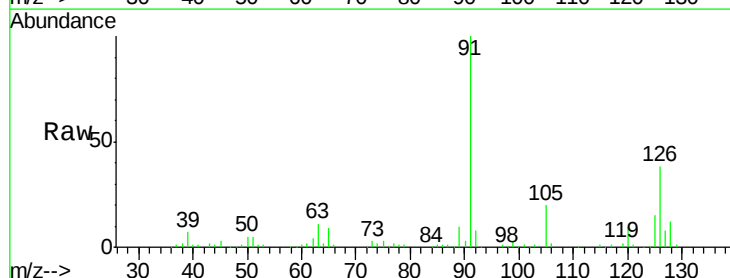
Acq: 31 Mar 2019 14:55

Tgt Ion: 91 Resp: 463586

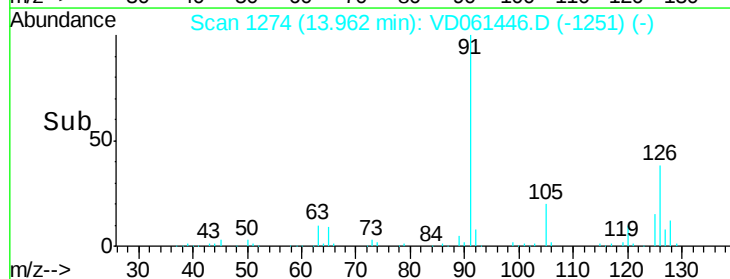
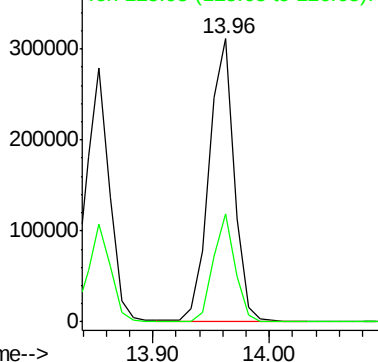
Ion Ratio Lower Upper

91 100

126 38.4 19.6 58.8



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

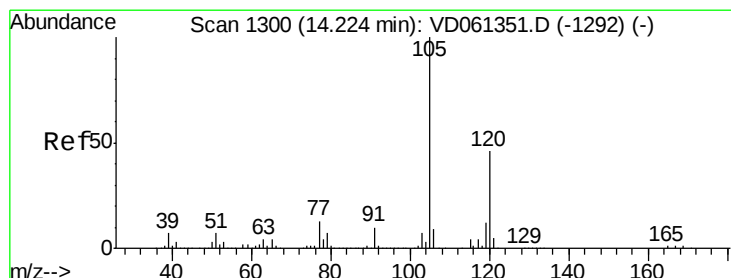
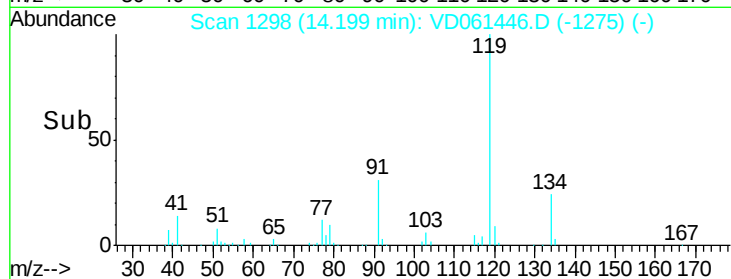
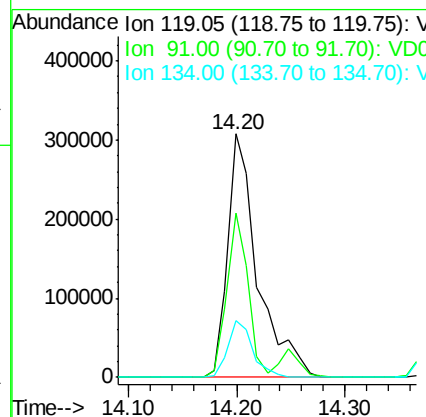
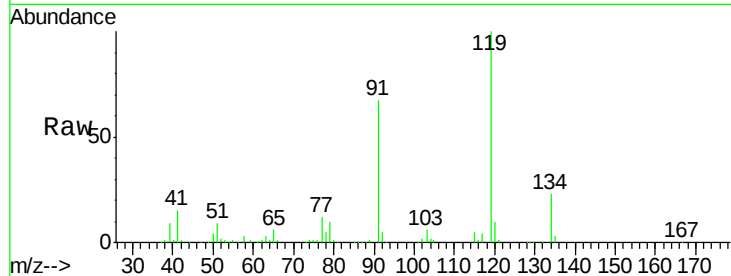




#83
 tert-Butylbenzene
 Concen: 20.277 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

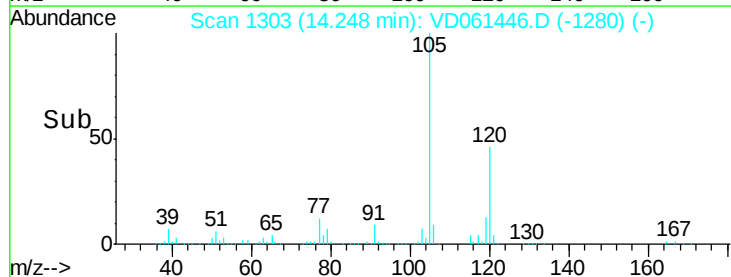
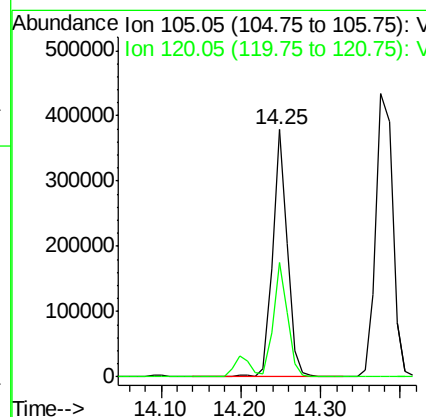
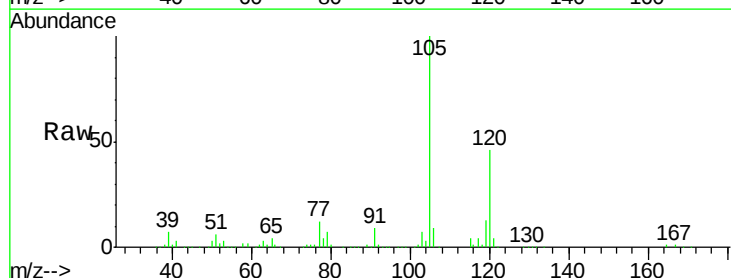
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 593634
 Ion Ratio Lower Upper
 119 100
 91 67.4 34.1 102.3
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.024 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion:105 Resp: 482484
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.8 68.4

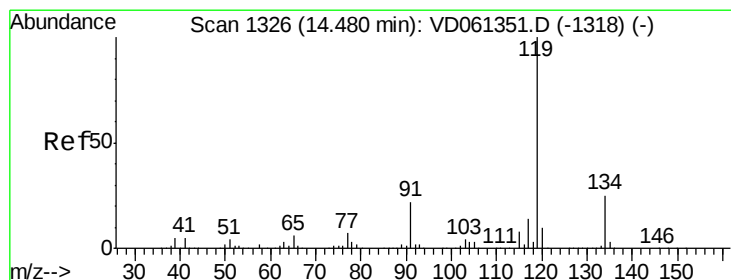
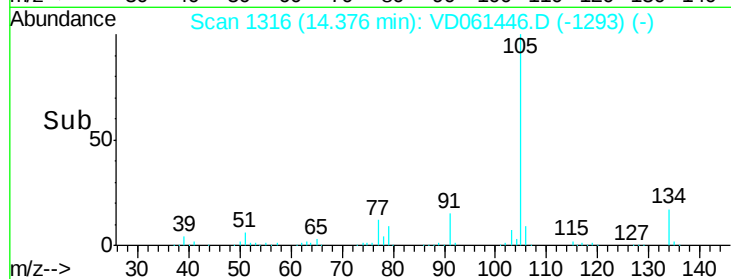
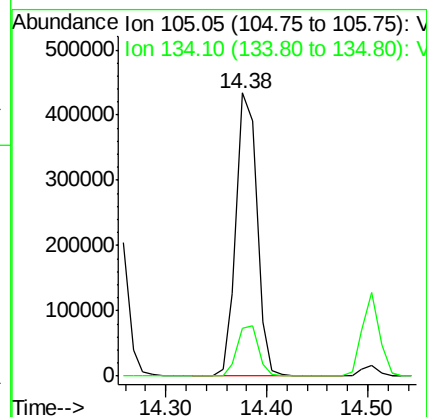
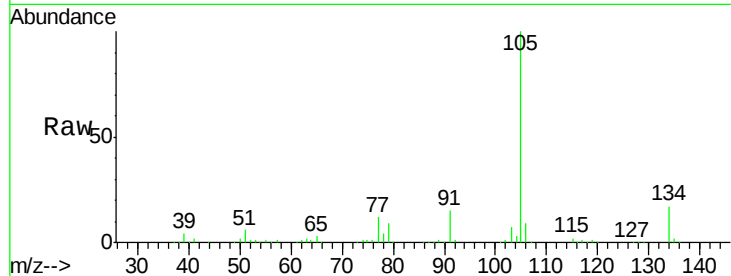




#85
 sec-Butylbenzene
 Concen: 20.048 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

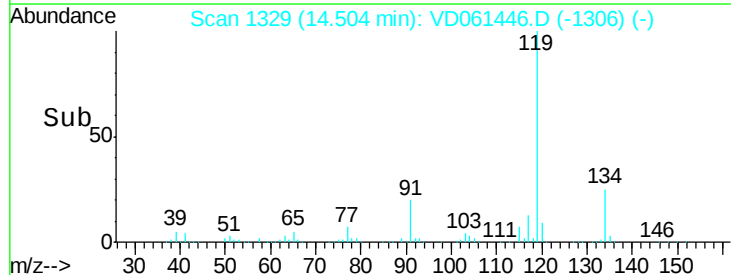
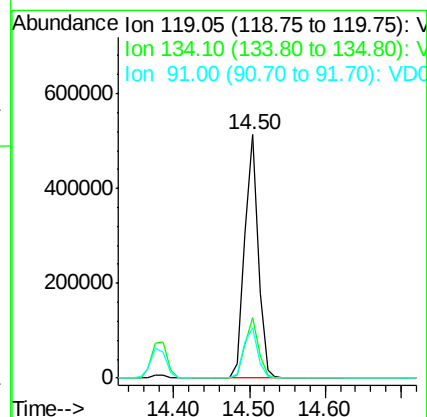
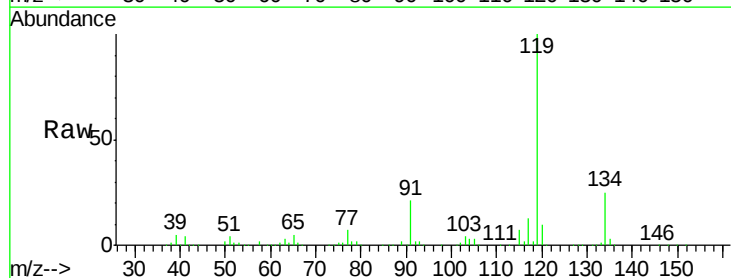
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 623527
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 23.732 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion:119 Resp: 624127
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.3 36.8
 91 20.6 11.1 33.1

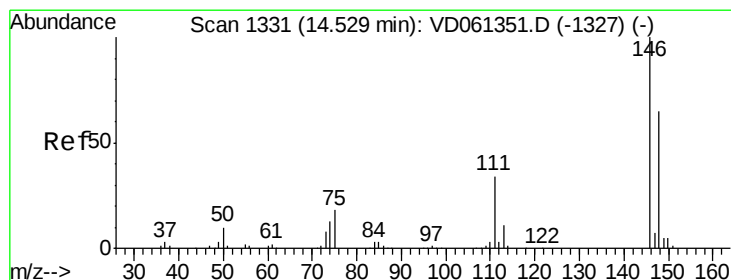
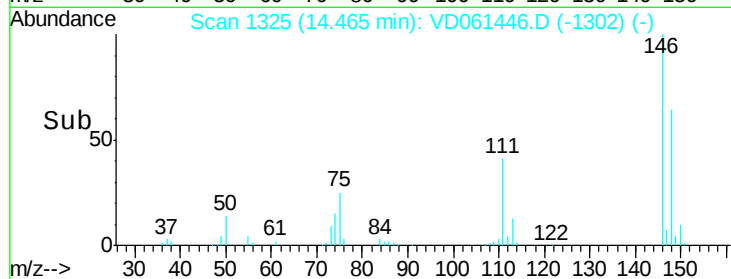
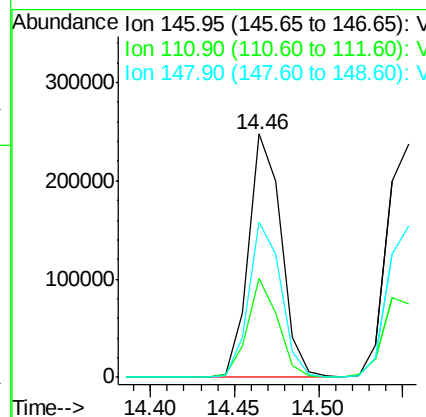
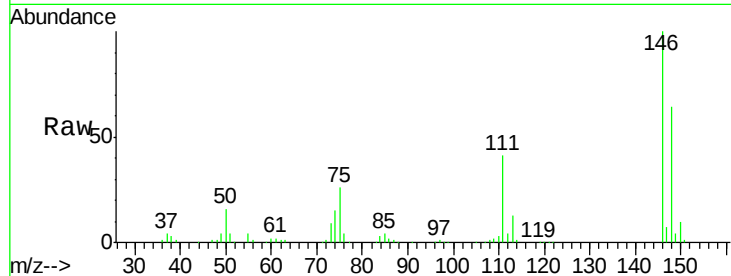




#87
 1,3-Dichlorobenzene
 Concen: 21.966 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

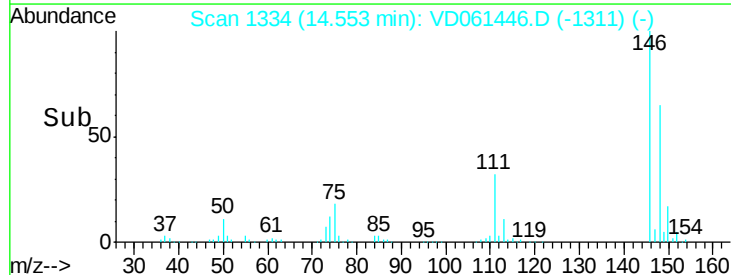
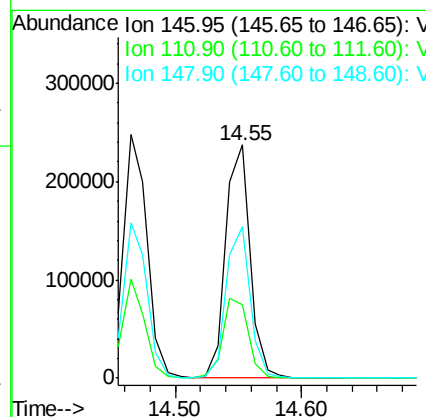
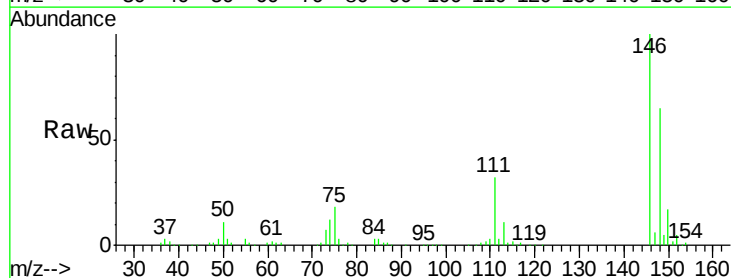
Instrument :
 MSVOA_D
 ClientSampleId :

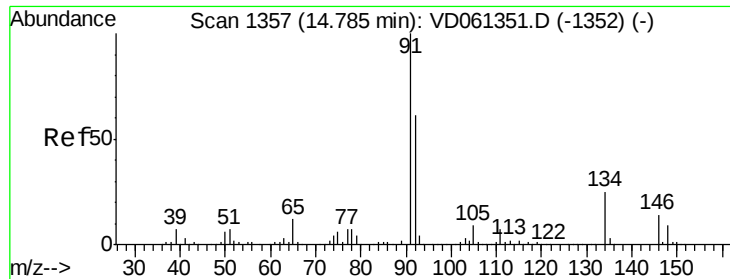
Tot Ion:146 Resp: 332942
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.9
 148 63.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 21.520 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion:146 Resp: 318103
 Ion Ratio Lower Upper
 146 100
 111 31.7 16.8 50.4
 148 64.8 32.6 98.0

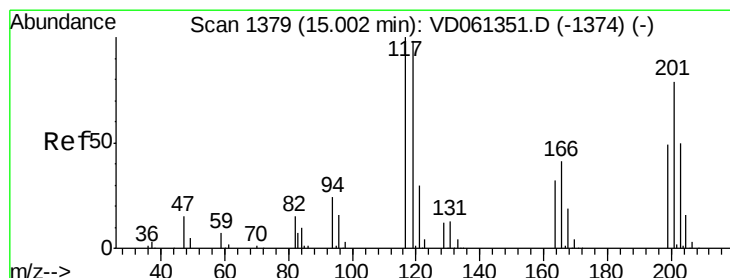
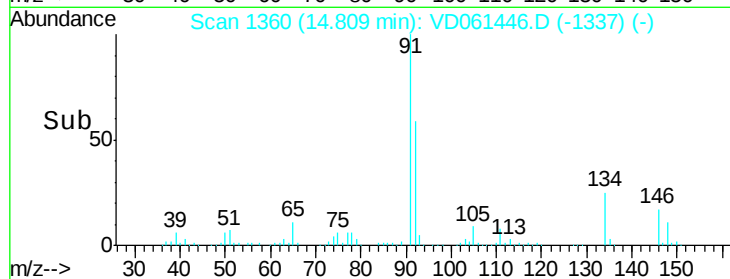
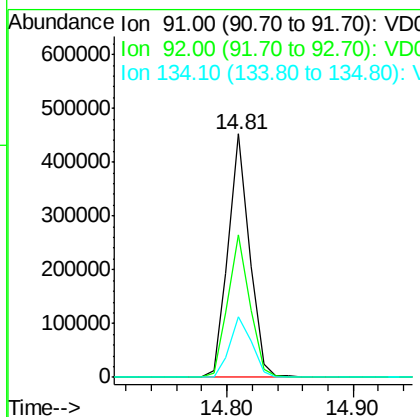
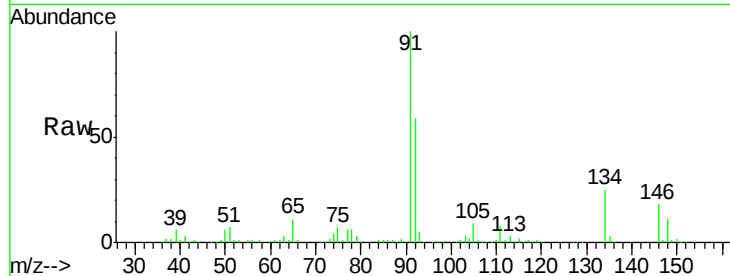




#89
n-Butylbenzene
Concen: 21.972 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

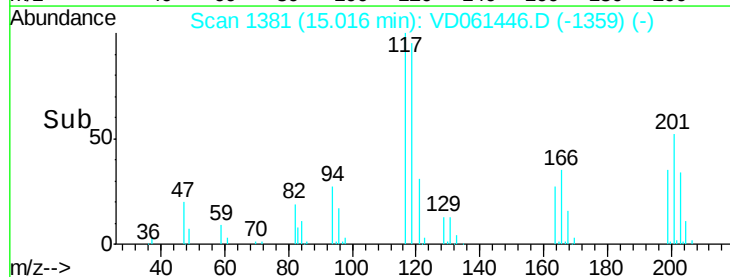
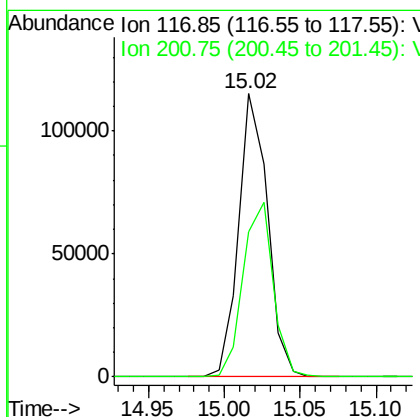
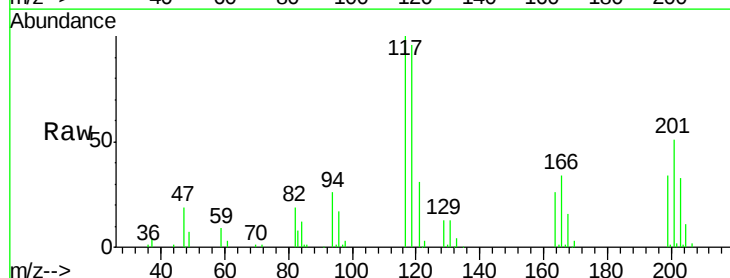
Instrument :
MSVOA_D
ClientSampleId :

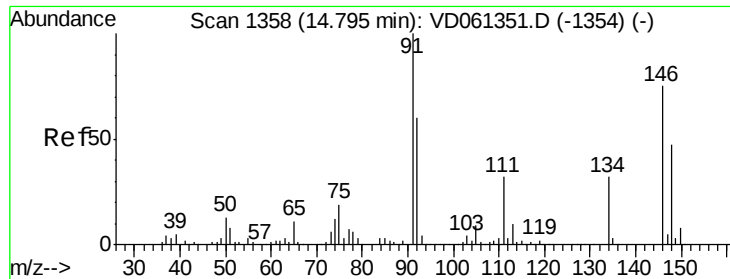
Tot Ion: 91 Resp: 530381
Ion Ratio Lower Upper
91 100
92 58.7 30.3 91.0
134 25.1 12.4 37.0



#90
Hexachloroethane
Concen: 20.486 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion: 117 Resp: 152206
Ion Ratio Lower Upper
117 100
201 51.3 39.6 119.0

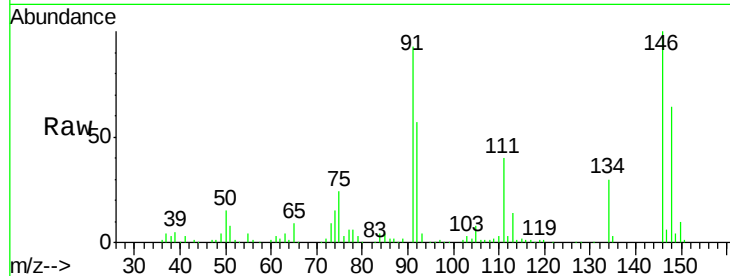




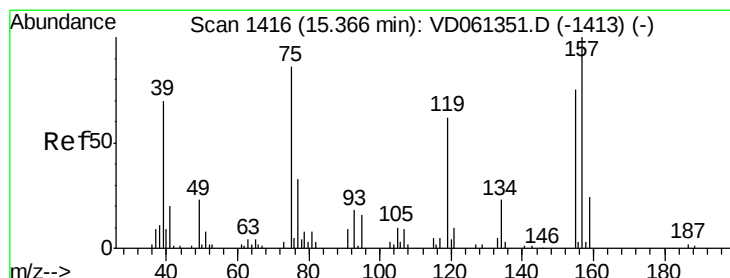
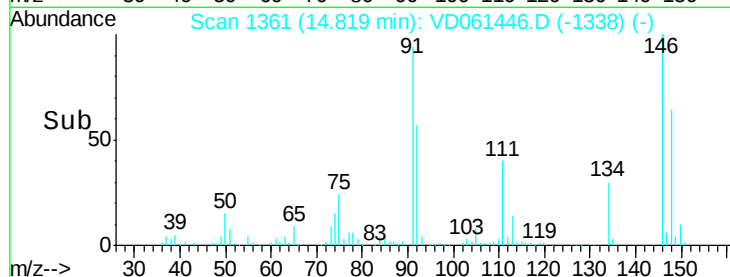
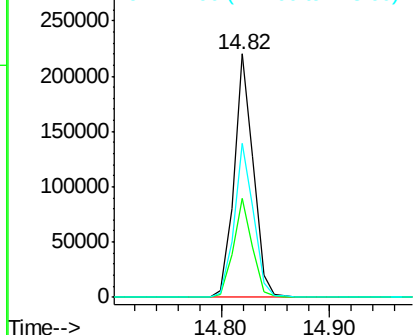
#91
 1,2-Dichlorobenzene
 Concen: 21.930 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 272648
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.2 63.6
 148 63.5 31.6 95.0

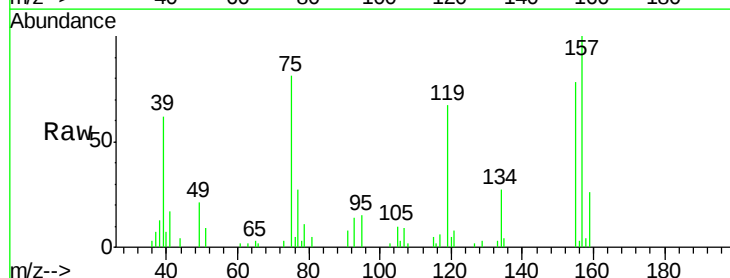


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

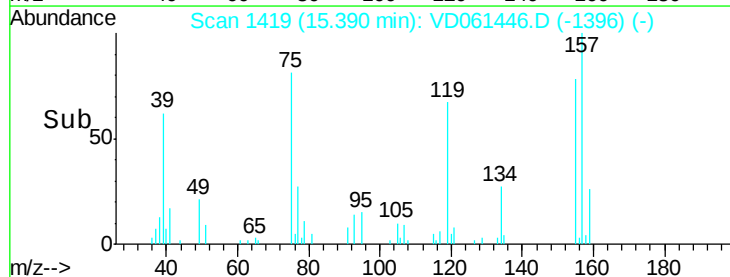
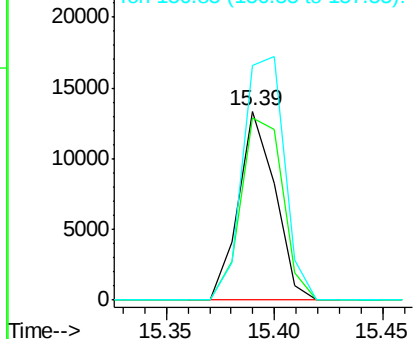


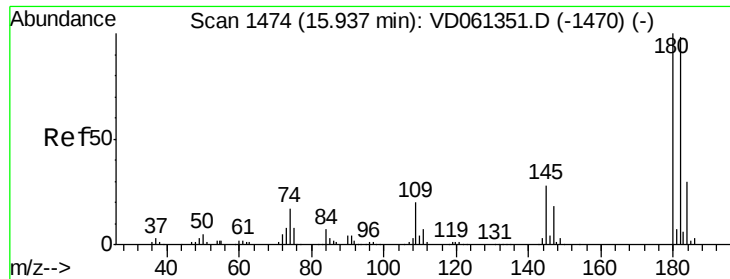
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.180 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion: 75 Resp: 15822
 Ion Ratio Lower Upper
 75 100
 155 96.6 43.6 130.9
 157 123.8 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

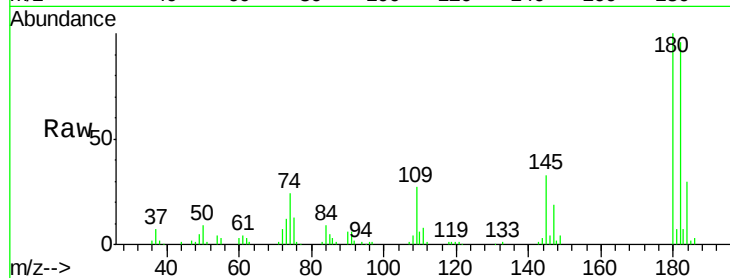




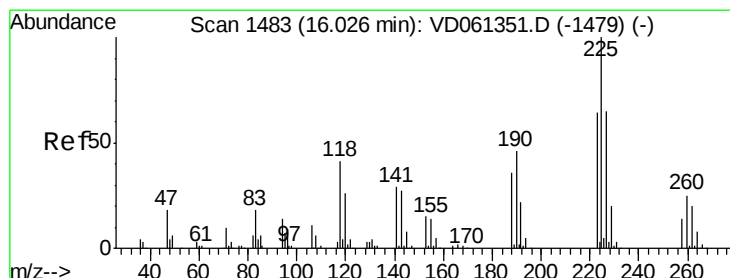
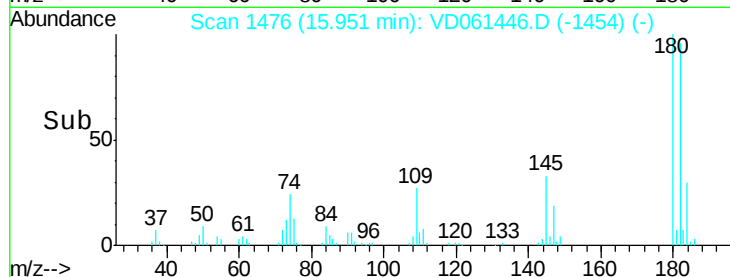
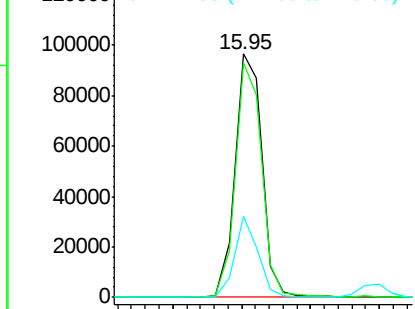
#93
 1,2,4-Trichlorobenzene
 Concen: 23.183 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 131300
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.9 146.8
 145 33.0 14.1 42.3

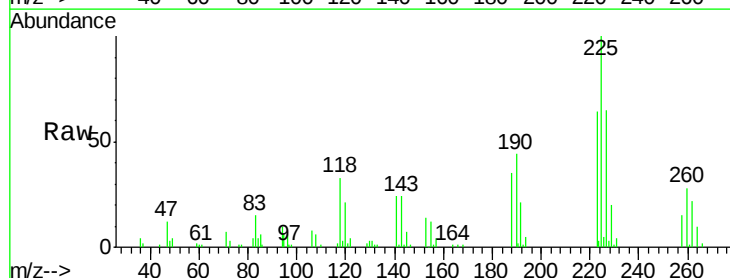


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

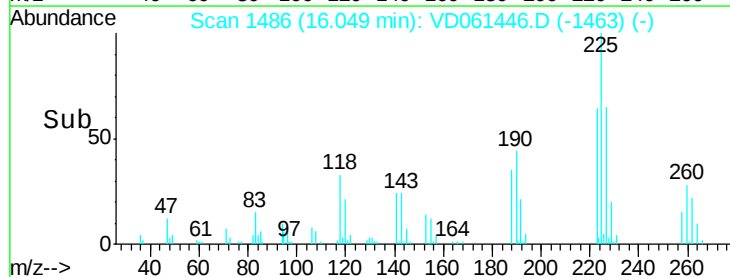
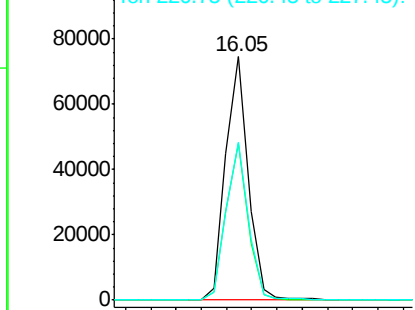


#94
 Hexachlorobutadiene
 Concen: 20.898 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061446.D
 Acq: 31 Mar 2019 14:55

Tgt Ion:225 Resp: 92488
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.0 96.0
 227 64.8 32.4 97.2



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

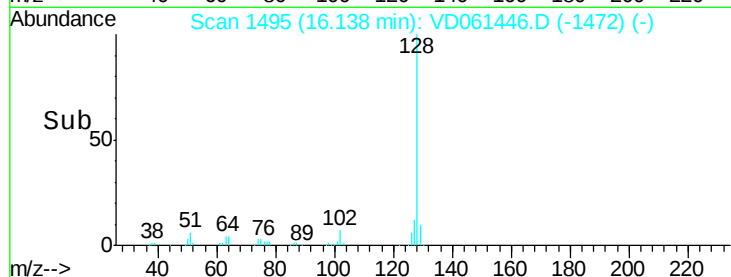
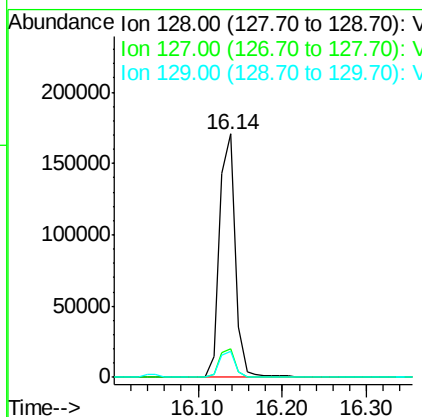
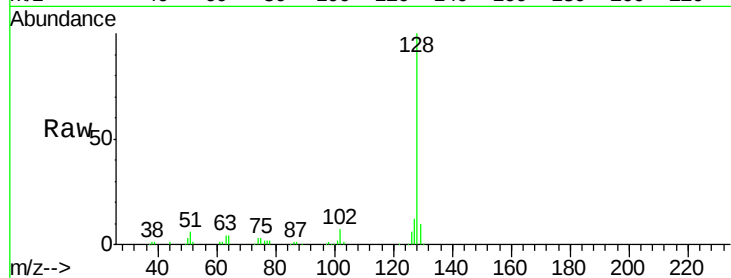




#95
Naphthalene
Concen: 25.698 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 221847
Ion Ratio Lower Upper
128 100
127 11.7 9.9 14.9
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 30.153 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061446.D
Acq: 31 Mar 2019 14:55

Tgt Ion:180 Resp: 75149
Ion Ratio Lower Upper
180 100
182 87.7 46.4 139.1
145 26.7 15.3 45.9

