

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062950.D
 Acq On : 28 Jun 2019 2:28
 Operator : VA/AP
 Sample : VD0627SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:23:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	712603	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1013704	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	905774	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	494096	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	409095	52.81	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	6.90	113	421570	49.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.38	98	892059	47.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	13.54	95	404501	47.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	181253	19.656	ug/l	95
3) Chloromethane	1.74	50	137646	19.848	ug/l	96
4) Vinyl Chloride	1.84	62	131743	19.160	ug/l	99
5) Bromomethane	2.13	94	48481	15.056	ug/l #	93
6) Chloroethane	2.24	64	57509	18.474	ug/l	91
7) Trichlorofluoromethane	2.51	101	279440	20.081	ug/l	99
8) Diethyl Ether	2.85	74	41644	23.553	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	139129	18.455	ug/l	91
10) Methyl Iodide	3.28	142	187344	18.836	ug/l	93
11) Tert butyl alcohol	4.06	59	41677	118.138	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	113694	20.103	ug/l	92
13) Acrolein	3.01	56	22939	63.693	ug/l	97
14) Allyl chloride	3.59	41	171076	20.472	ug/l	93
15) Acrylonitrile	4.17	53	107936	130.209	ug/l	95
16) Acetone	3.21	43	177984	109.373	ug/l	99
17) Carbon Disulfide	3.34	76	334515	18.507	ug/l	96
18) Methyl Acetate	3.62	43	89507	38.279	ug/l #	91
19) Methyl tert-butyl Ether	4.21	73	300038	24.507	ug/l	97
20) Methylene Chloride	3.79	84	135709	22.973	ug/l	98
21) trans-1,2-Dichloroethene	4.18	96	129921	21.575	ug/l	97
22) Diisopropyl ether	5.09	45	382989	22.536	ug/l	99
23) Vinyl Acetate	5.02	43	1123732	105.673	ug/l	97
24) 1,1-Dichloroethane	4.95	63	246932	22.317	ug/l	96
25) 2-Butanone	6.04	43	190950	131.806	ug/l	96
26) 2,2-Dichloropropane	5.98	77	205787	17.547	ug/l	99
27) cis-1,2-Dichloroethene	6.00	96	143488	22.533	ug/l	98
28) Bromochloromethane	6.41	49	102541	26.313	ug/l	91
29) Tetrahydrofuran	6.44	42	88847	129.620	ug/l	97
30) Chloroform	6.63	83	314499	23.372	ug/l	97
31) Cyclohexane	6.93	56	143139	19.678	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	290561	20.731	ug/l	96
36) 1,1-Dichloropropene	7.11	75	190651	19.867	ug/l	98
37) Ethyl Acetate	6.15	43	96630	23.385	ug/l #	97
38) Carbon Tetrachloride	7.08	117	264501	18.327	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	150775	17.850	ug/l	94
40) Benzene	7.43	78	404731	21.011	ug/l	99
41) Methacrylonitrile	6.44	41	121474	24.004	ug/l #	85
42) 1,2-Dichloroethane	7.55	62	244946	23.310	ug/l	98
43) Isopropyl Acetate	9.22	43	117788	23.413	ug/l #	98
44) Trichloroethene	8.51	130	154852	20.506	ug/l	100
45) 1,2-Dichloropropane	8.92	63	95061	19.847	ug/l	91
46) Dibromomethane	9.03	93	92855	22.568	ug/l	93
47) Bromodichloromethane	9.35	83	241756	22.625	ug/l	97
48) Methyl methacrylate	9.09	41	78167	21.864	ug/l	91
49) 1,4-Dioxane	9.06	88	13246	445.335	ug/l #	58
51) 4-Methyl-2-Pentanone	10.28	43	422169	118.357	ug/l	97
52) Toluene	10.48	92	252541	19.504	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	203168	23.230	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	194812	20.493	ug/l	93
55) 1,1,2-Trichloroethane	11.16	97	98207	22.076	ug/l	92
56) Ethyl methacrylate	11.02	69	102712	21.605	ug/l	97
57) 1,3-Dichloropropane	11.39	76	154789	22.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	303367	124.297	ug/l	96
59) 2-Hexanone	11.52	43	316770	124.697	ug/l	98
60) Dibromochloromethane	11.66	129	194078	23.422	ug/l	97
61) 1,2-Dibromoethane	11.79	107	119823	22.806	ug/l	95
64) Tetrachloroethene	11.23	164	179304	24.052	ug/l	96
65) Chlorobenzene	12.38	112	335160	19.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	155958	19.838	ug/l	89
67) Ethyl Benzene	12.51	91	572164	18.958	ug/l	100
68) m/p-Xylenes	12.65	106	449473	42.759	ug/l	95
69) o-Xylene	13.03	106	192348	20.017	ug/l	100
70) Styrene	13.06	104	335177	19.858	ug/l	92
71) Bromoform	13.22	173	111310	20.666	ug/l #	97
73) Isopropylbenzene	13.39	105	567299	17.907	ug/l	94
74) N-amyl acetate	13.25	43	166279	21.613	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	113778	22.042	ug/l	91
76) 1,2,3-Trichloropropane	13.72	75	129919	22.777	ug/l	95
77) Bromobenzene	13.65	156	179221	21.033	ug/l	81
78) n-propylbenzene	13.76	91	714514	19.378	ug/l	96
79) 2-Chlorotoluene	13.83	91	431781	20.490	ug/l	92
80) 1,3,5-Trimethylbenzene	13.92	105	548088	20.597	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	29203	19.535	ug/l #	93
82) 4-Chlorotoluene	13.94	91	517324	20.392	ug/l	100
83) tert-Butylbenzene	14.17	119	575745	19.411	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	528375	19.372	ug/l	95
85) sec-Butylbenzene	14.35	105	603112	18.708	ug/l	91
86) p-Isopropyltoluene	14.48	119	581056	19.702	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	308744	20.213	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	308361	20.099	ug/l	95
89) n-Butylbenzene	14.78	91	539169	19.532	ug/l	98
90) Hexachloroethane	15.00	117	153831	19.399	ug/l	93
91) 1,2-Dichlorobenzene	14.79	146	289981	22.189	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.36	75	23514	23.339	ug/l	95

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QLast Update : Thu Jun 20 01:50:56 2019
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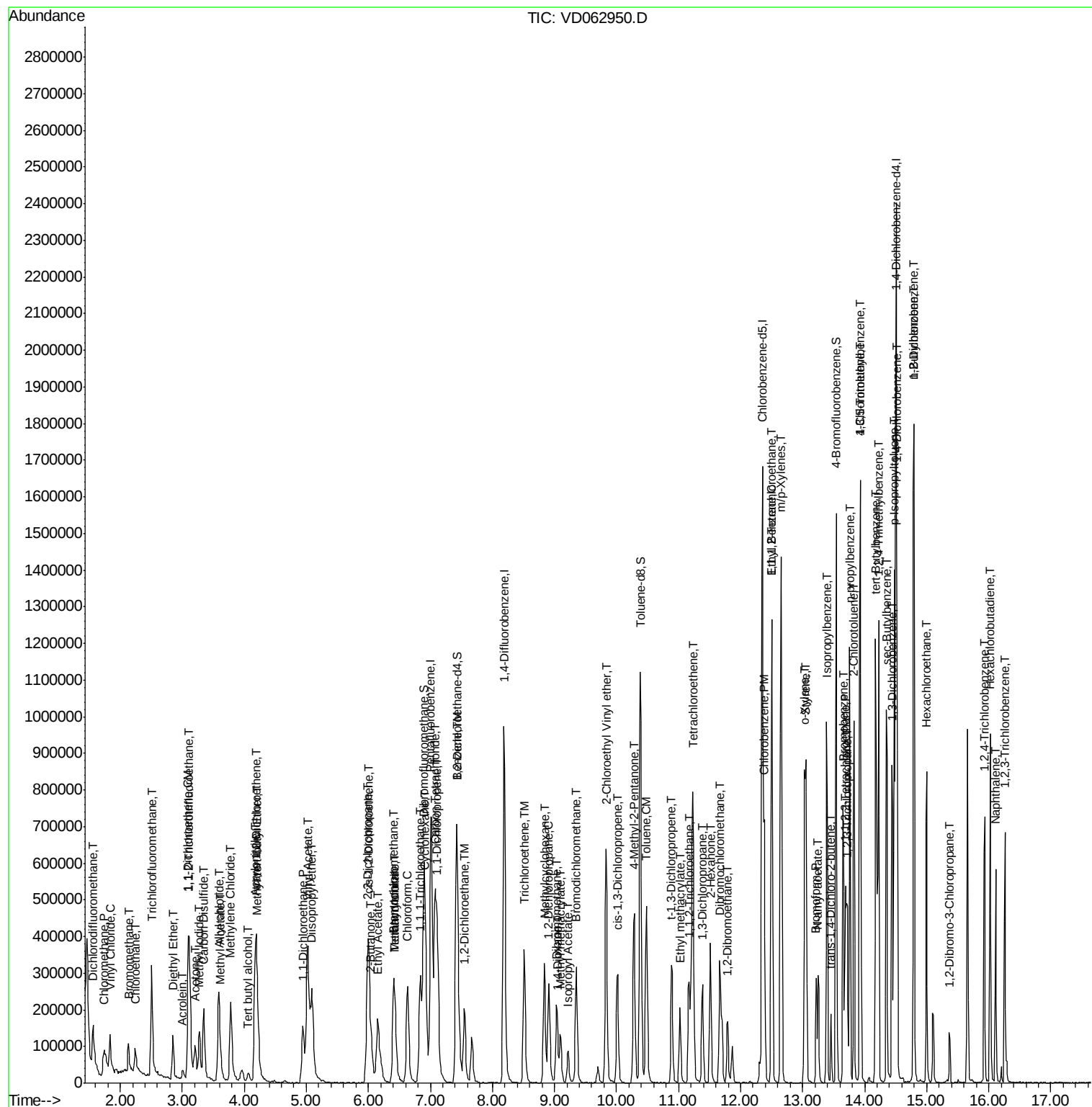
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	188836	18.497	ug/l	95
94) Hexachlorobutadiene	16.02	225	136065	17.446	ug/l	94
95) Naphthalene	16.11	128	313732	21.926	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	162179	20.676	ug/l	100

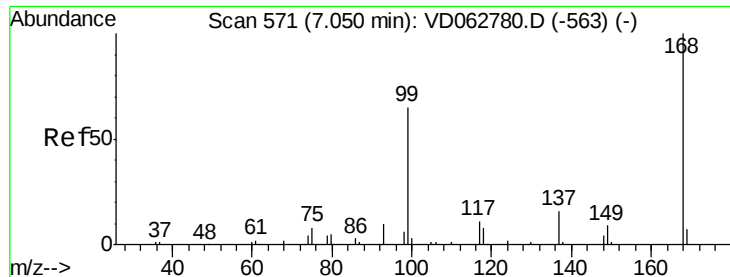
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

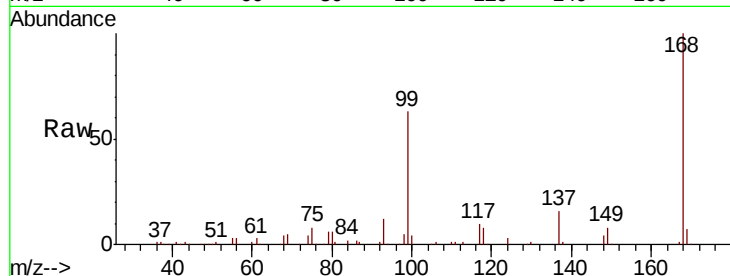
ClientSampleId :

Tot Ion:168 Resp: 712603

Ion Ratio Lower Upper

168 100

99 63.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

250000

200000

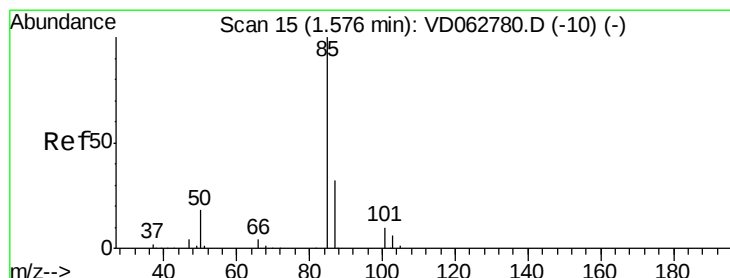
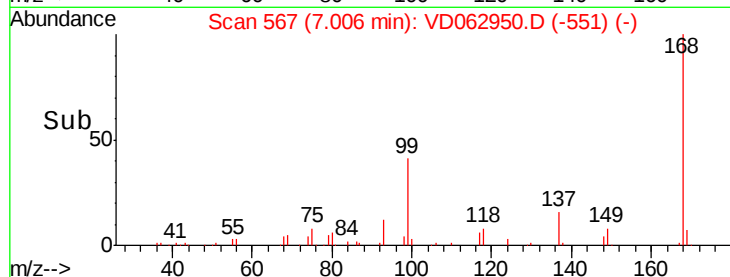
150000

100000

50000

0

Time--> 6.80 7.00 7.20



#2

Dichlorodifluoromethane

Concen: 19.656 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062950.D

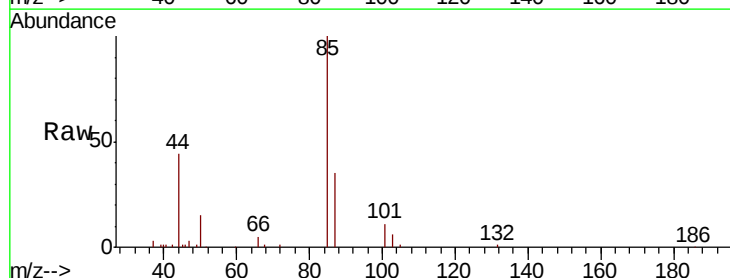
Acq: 28 Jun 2019 2:28

Tgt Ion: 85 Resp: 181253

Ion Ratio Lower Upper

85 100

87 34.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

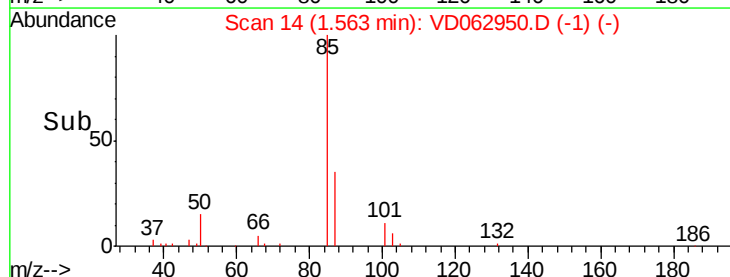
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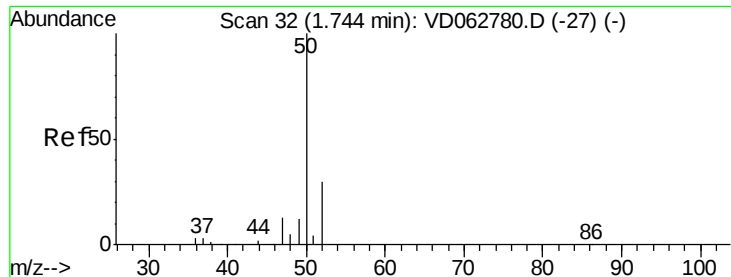
40000

20000

0

Time--> 1.50 1.60 1.70





#3

Chloromethane

Concen: 19.848 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

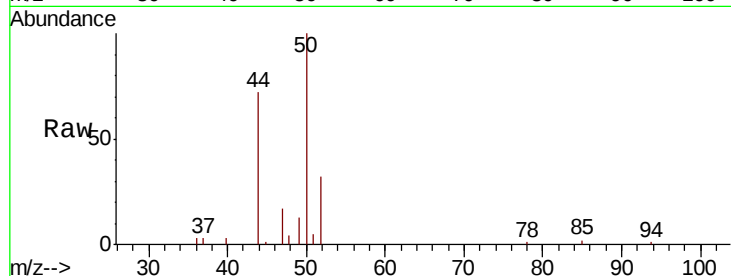
ClientSampleId :

Tot Ion: 50 Resp: 137646

Ion Ratio Lower Upper

50 100

52 31.9 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

40000

30000

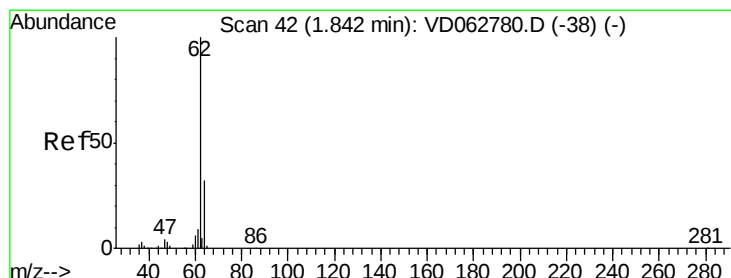
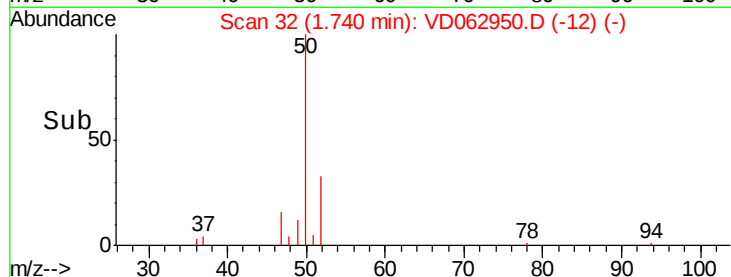
20000

10000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.160 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062950.D

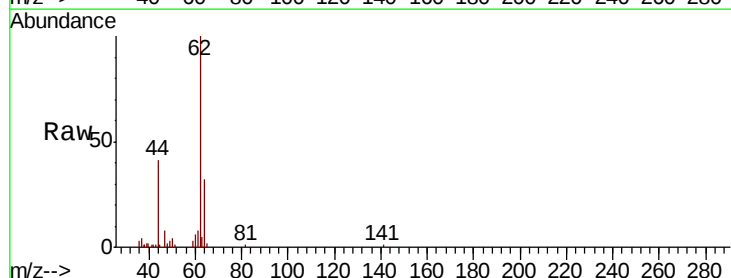
Acq: 28 Jun 2019 2:28

Tgt Ion: 62 Resp: 131743

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

60000

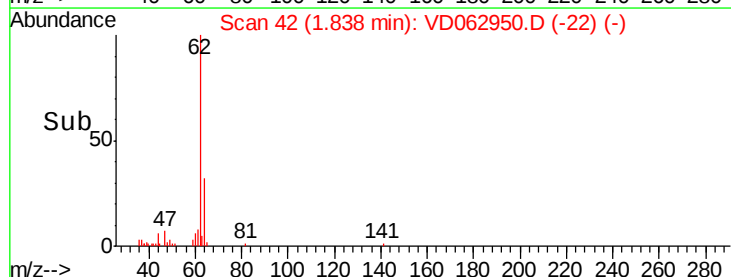
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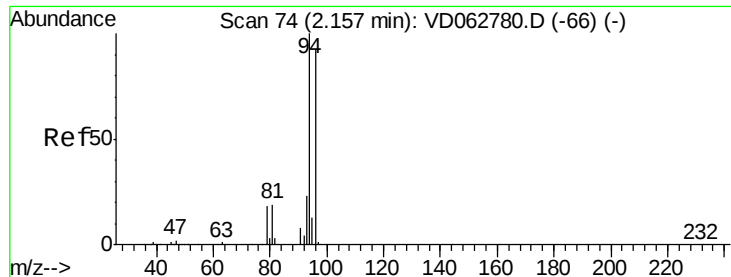
20000

0

Time-->

1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 15.056 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

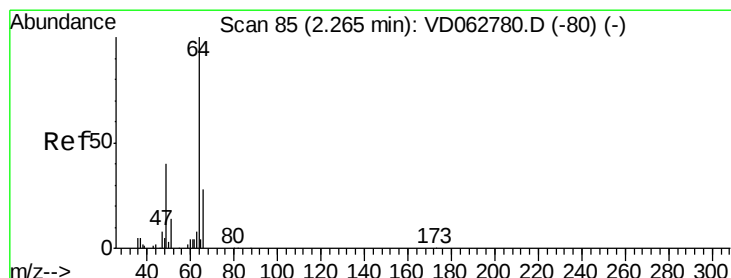
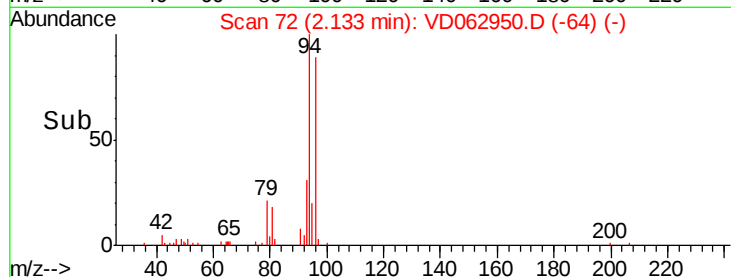
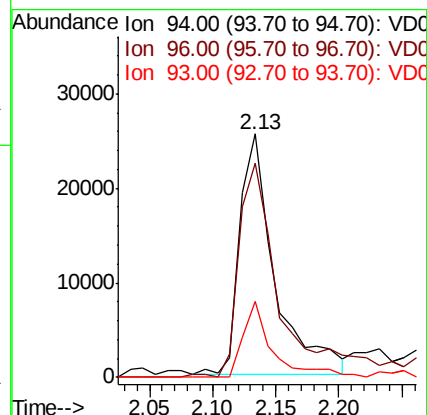
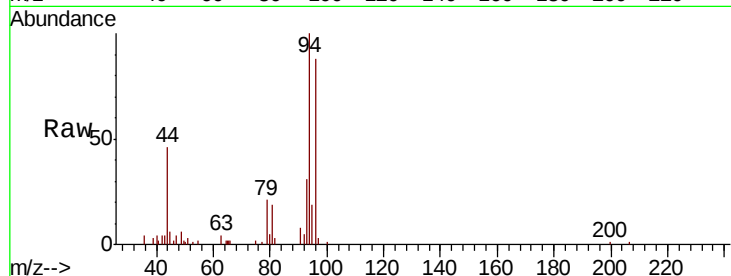
Tot Ion: 94 Resp: 48481

Ion Ratio Lower Upper

94 100

96 87.9 73.4 110.2

93 31.0 18.2 27.4#



#6

Chloroethane

Concen: 18.474 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062950.D

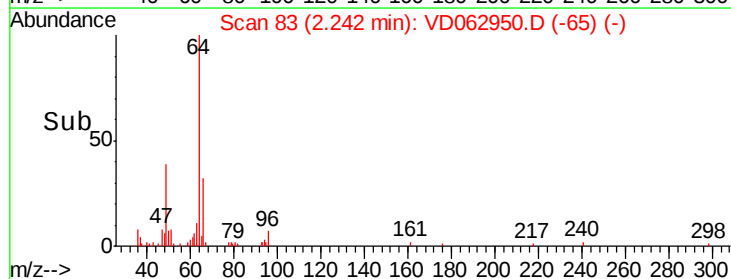
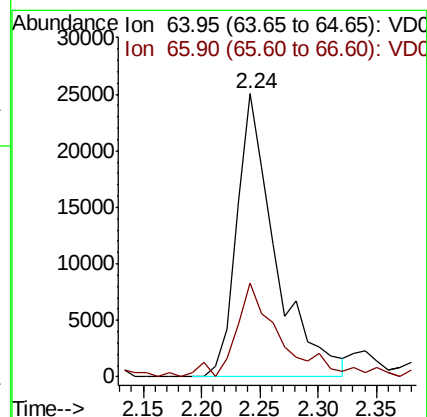
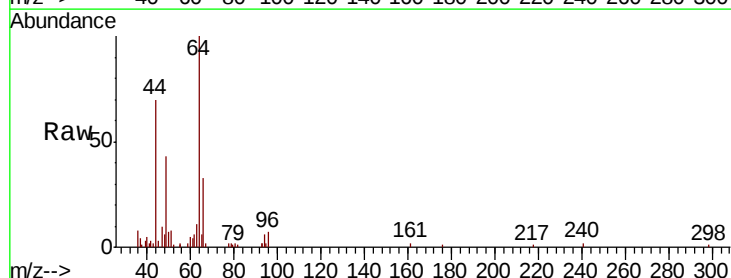
Acq: 28 Jun 2019 2:28

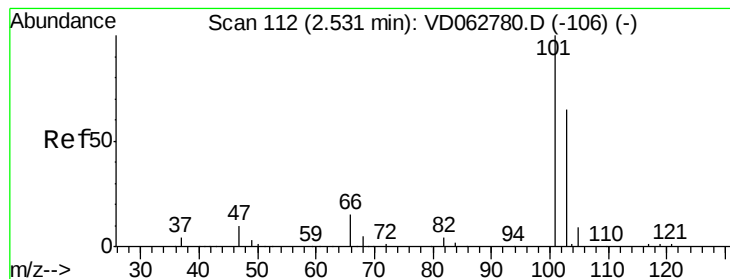
Tgt Ion: 64 Resp: 57509

Ion Ratio Lower Upper

64 100

66 33.2 23.0 34.4



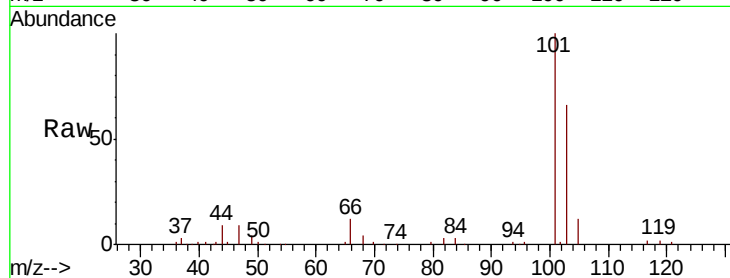


#7

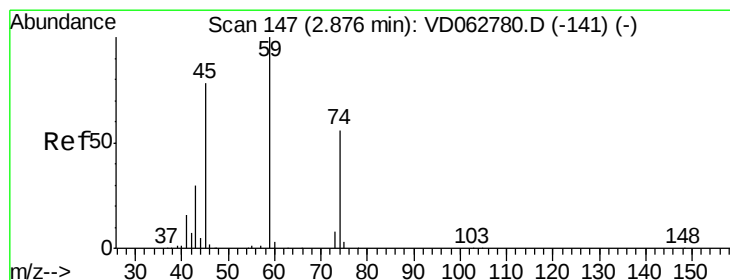
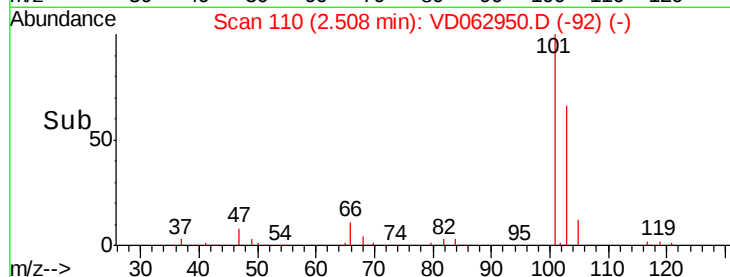
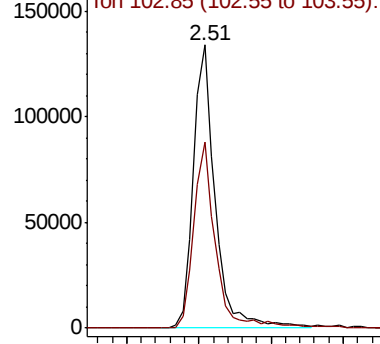
Trichlorofluoromethane
Concen: 20.081 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 279440
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.8



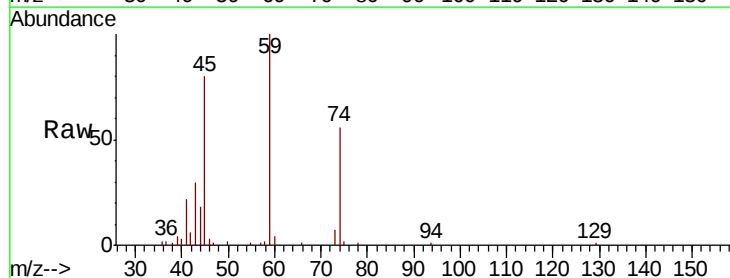
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



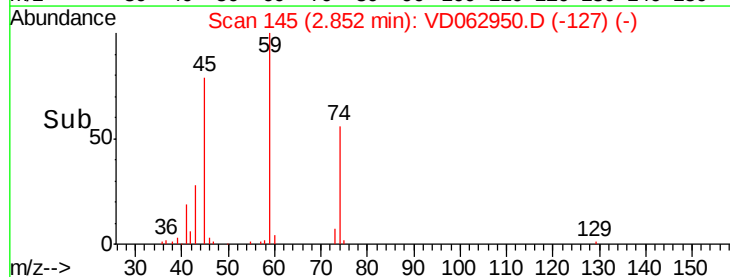
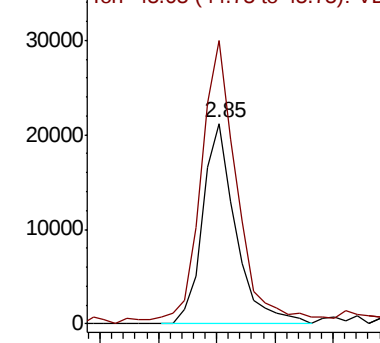
#8

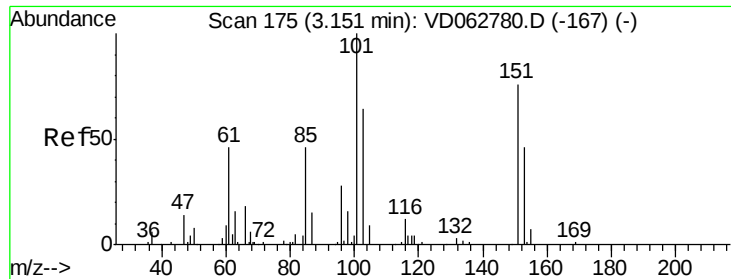
Diethyl Ether
Concen: 23.553 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 74 Resp: 41644
Ion Ratio Lower Upper
74 100
45 141.3 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.455 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

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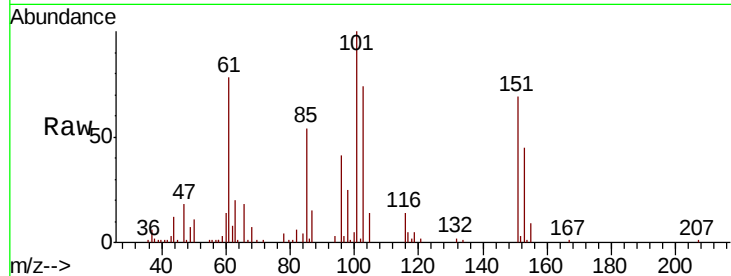
Tot Ion:101 Resp: 139129

Ion Ratio Lower Upper

101 100

85 53.6 37.0 55.4

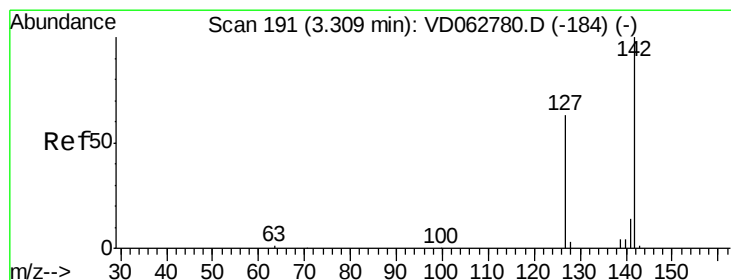
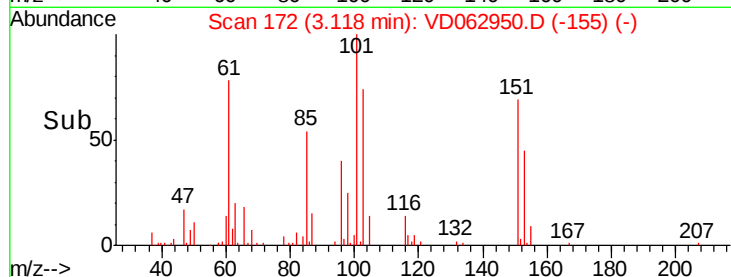
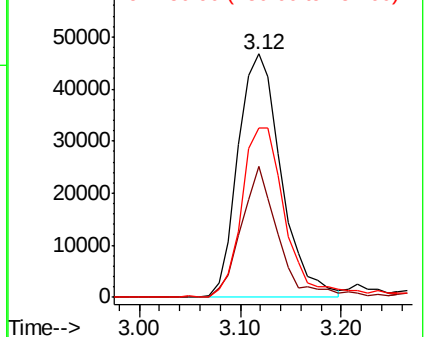
151 69.4 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.836 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

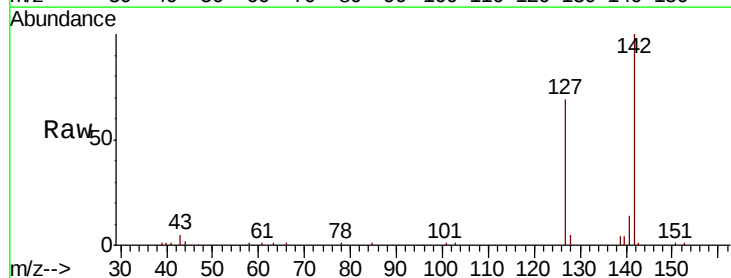
Tgt Ion:142 Resp: 187344

Ion Ratio Lower Upper

142 100

127 68.9 50.1 75.1

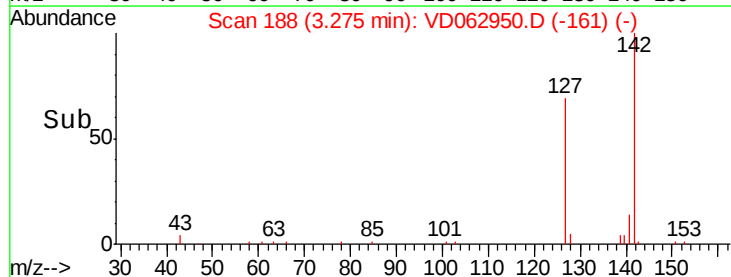
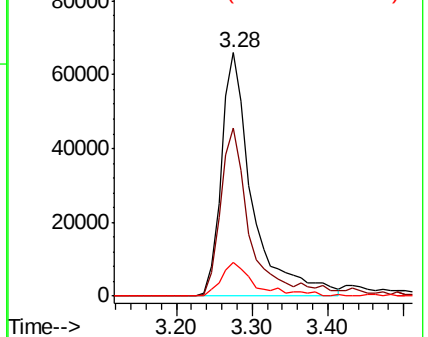
141 13.9 11.0 16.4

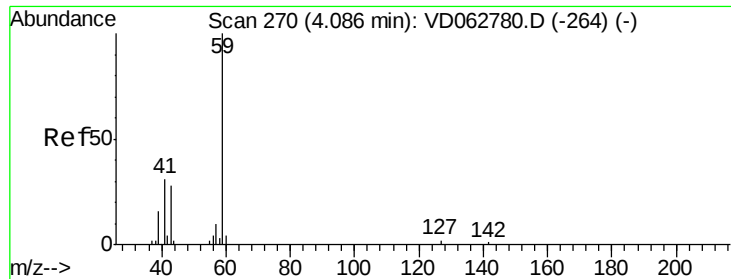


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



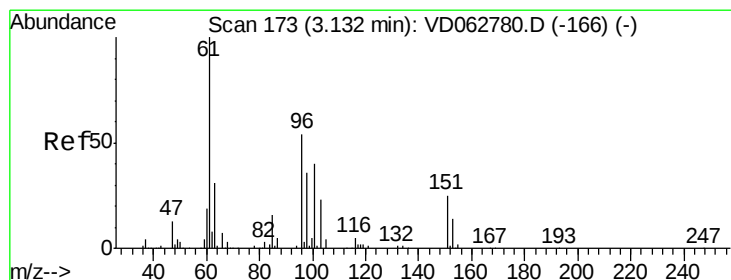
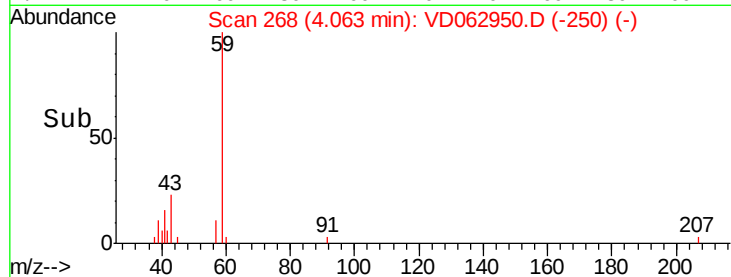
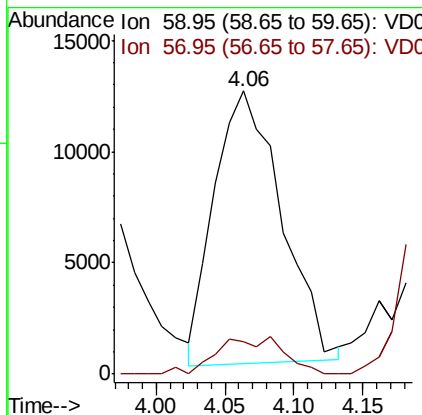
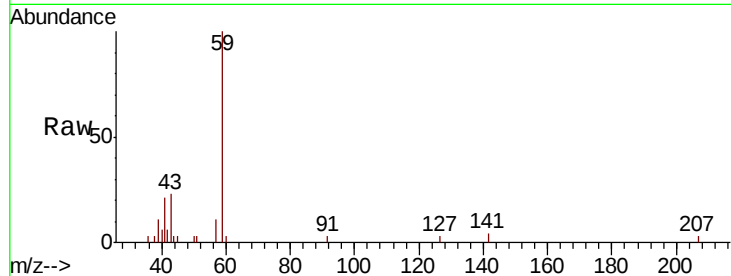


#11

Tert butyl alcohol
Concen: 118.138 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

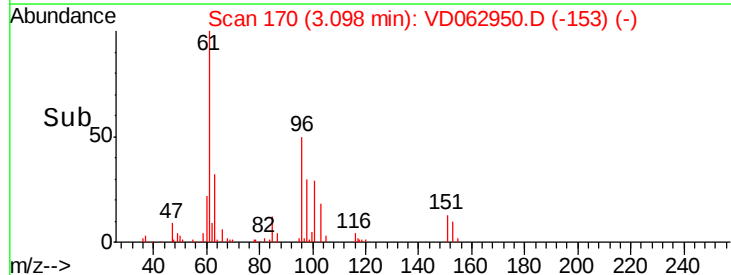
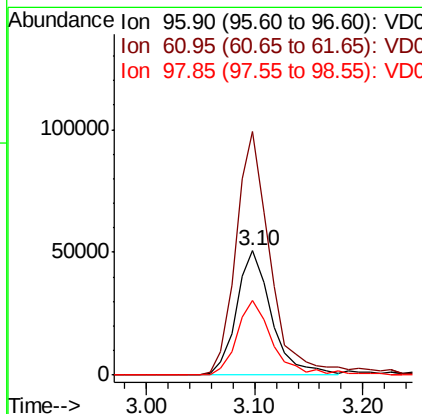
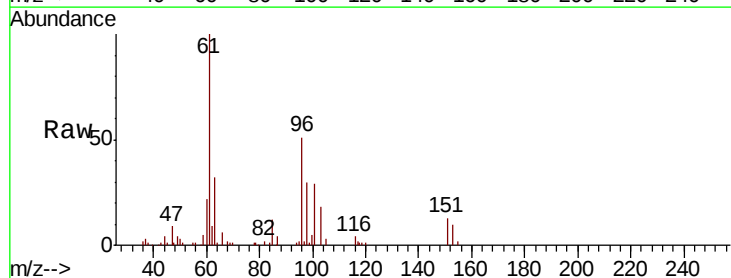
Tot Ion: 59 Resp: 41677
Ion Ratio Lower Upper
59 100
57 11.4 6.6 10.0#



#12

1,1-Dichloroethene
Concen: 20.103 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 96 Resp: 113694
Ion Ratio Lower Upper
96 100
61 196.3 147.1 220.7
98 59.8 52.6 79.0





#13

Acrolein

Concen: 63.693 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

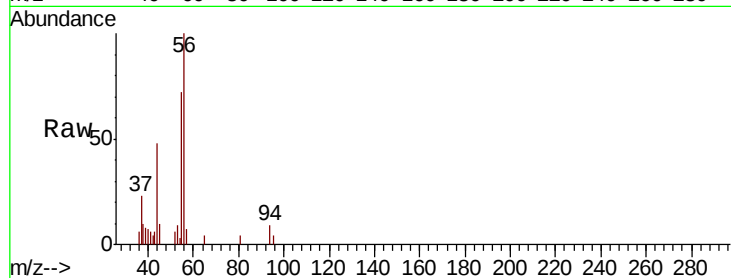
ClientSampled :

Tot Ion: 56 Resp: 22939

Ion Ratio Lower Upper

56 100

55 71.8 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

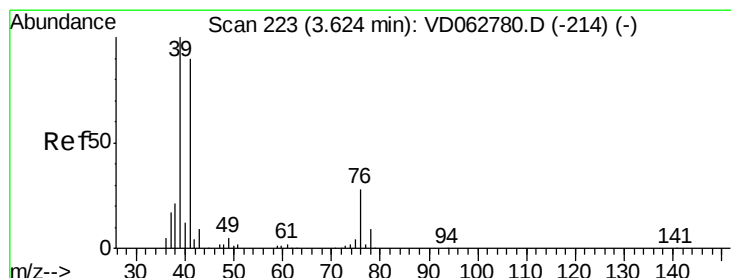
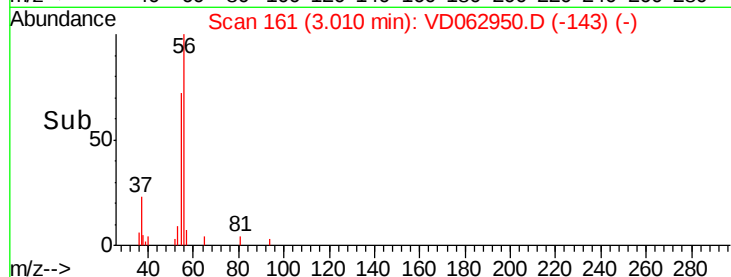
2000

0

Time-->

2.95 3.00 3.05 3.10

3.01



#14

Allyl chloride

Concen: 20.472 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

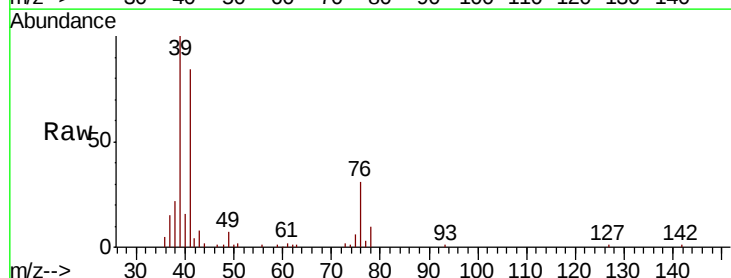
Tgt Ion: 41 Resp: 171076

Ion Ratio Lower Upper

41 100

39 118.6 88.8 133.2

76 36.9 26.7 40.1



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

100000

80000

60000

40000

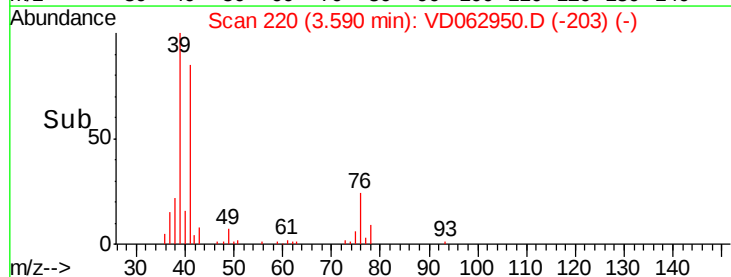
20000

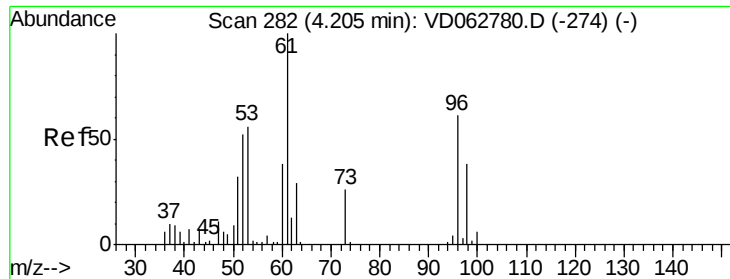
0

Time-->

3.50 3.60 3.70 3.80

3.59





#15

Acrylonitrile

Concen: 130.209 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

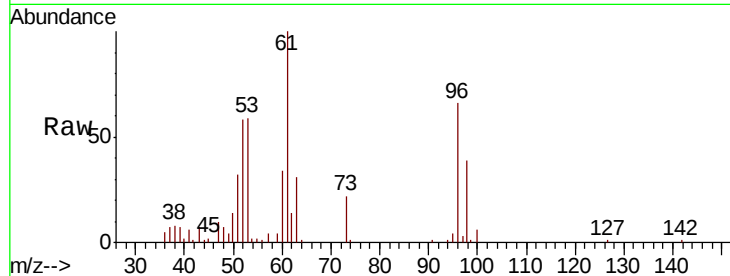
Tot Ion: 53 Resp: 107936

Ion Ratio Lower Upper

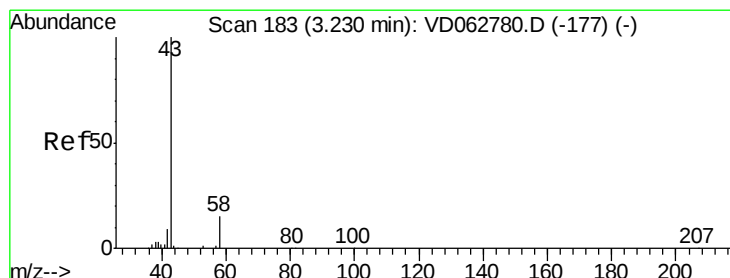
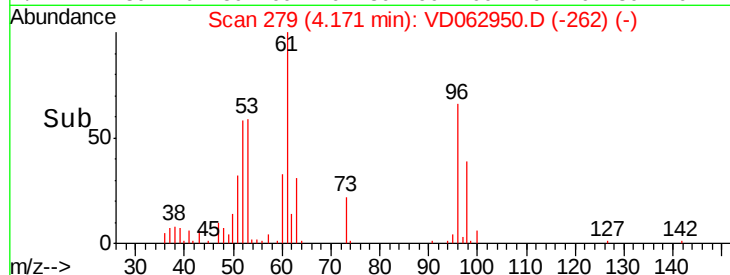
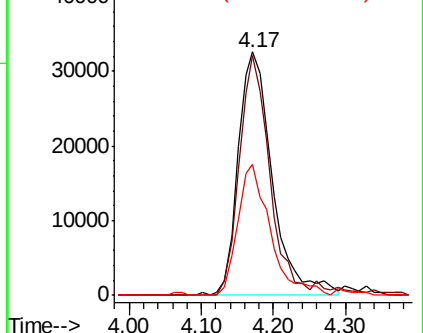
53 100

52 98.4 73.3 109.9

51 54.0 44.8 67.2



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: 109.373 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062950.D

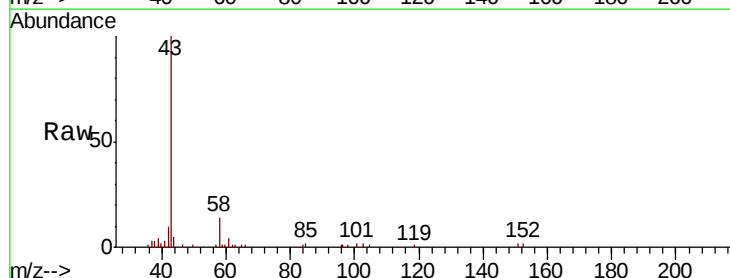
Acq: 28 Jun 2019 2:28

Tgt Ion: 43 Resp: 177984

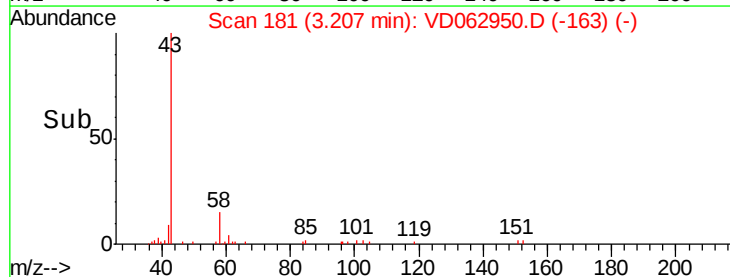
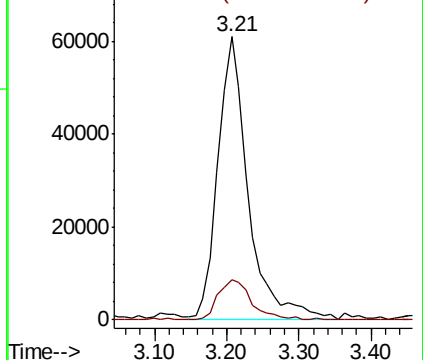
Ion Ratio Lower Upper

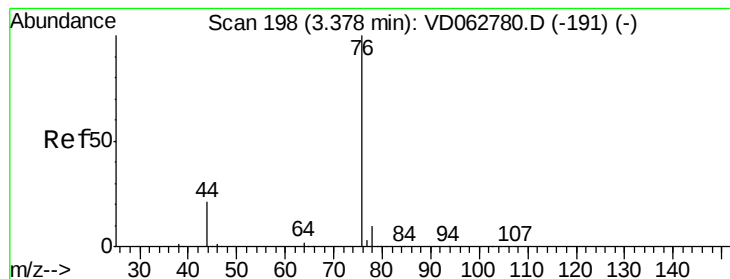
43 100

58 14.4 11.9 17.9



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





#17

Carbon Disulfide

Concen: 18.507 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

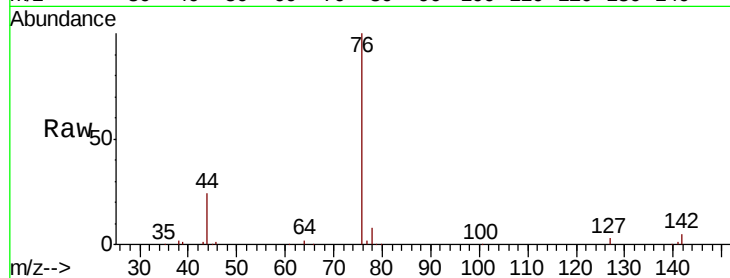
ClientSampled :

Tot Ion: 76 Resp: 334515

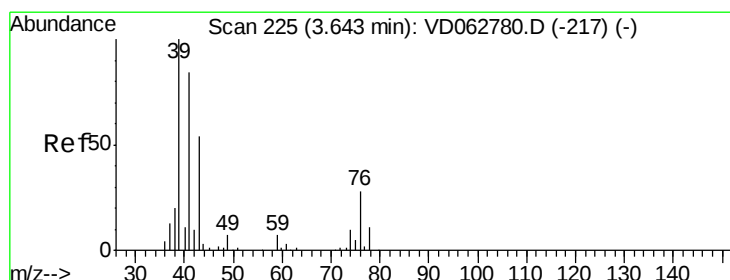
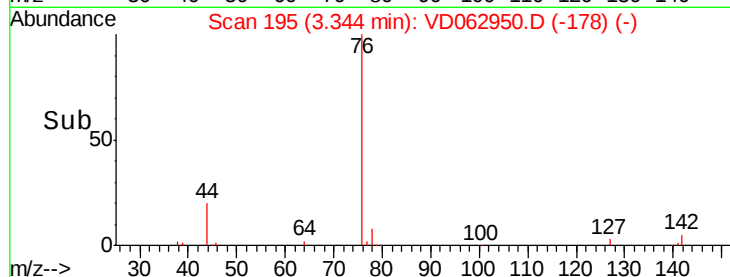
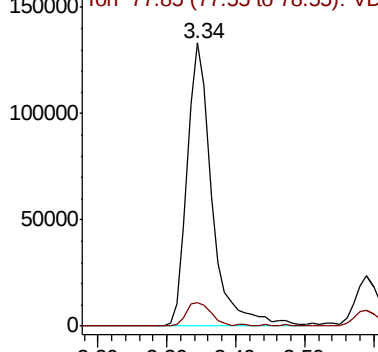
Ion Ratio Lower Upper

76 100

78 8.4 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 38.279 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062950.D

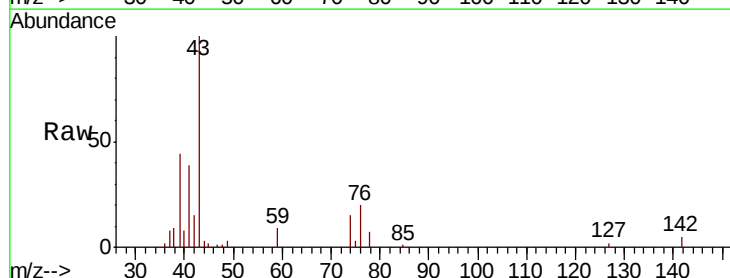
Acq: 28 Jun 2019 2:28

Tgt Ion: 43 Resp: 89507

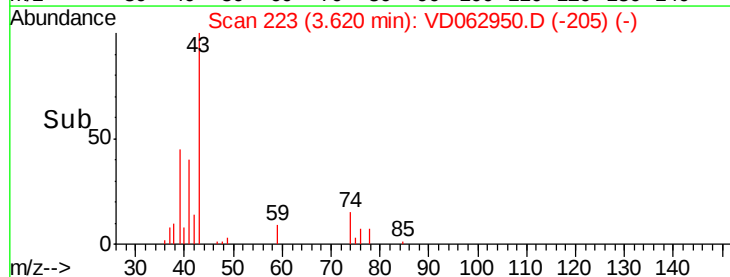
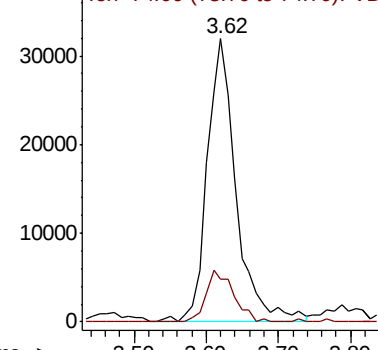
Ion Ratio Lower Upper

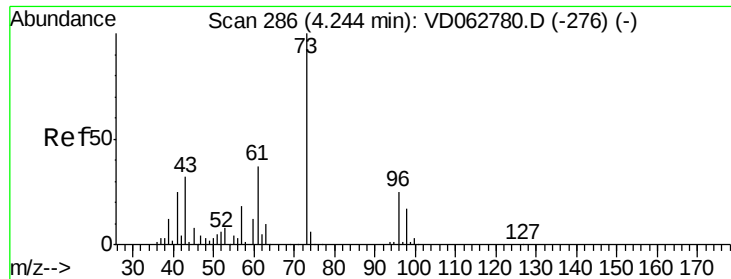
43 100

74 14.9 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

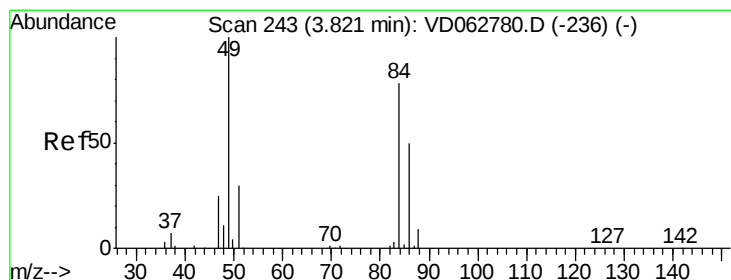
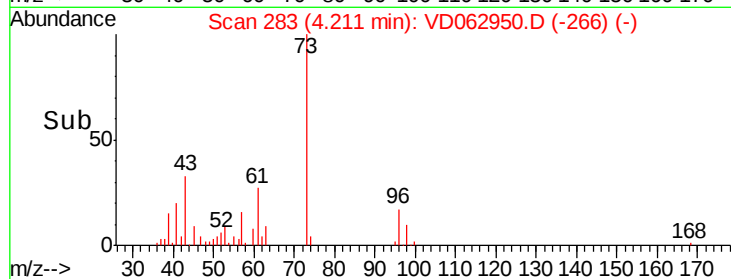
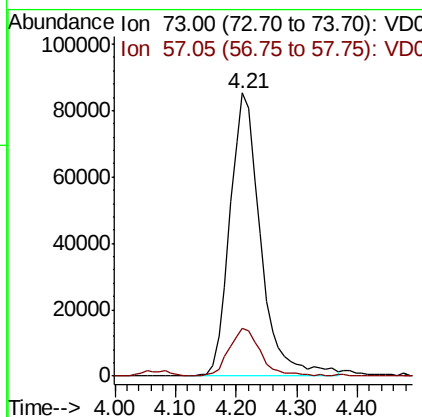
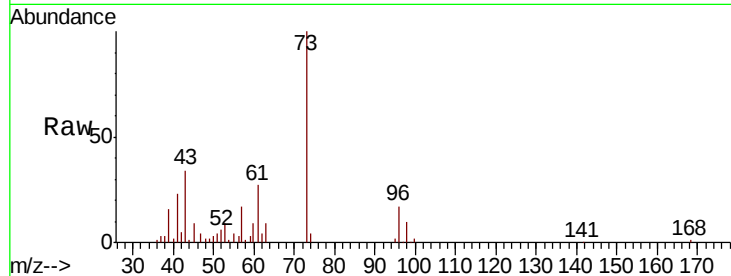




#19
Methyl tert-butyl Ether
Concen: 24.507 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

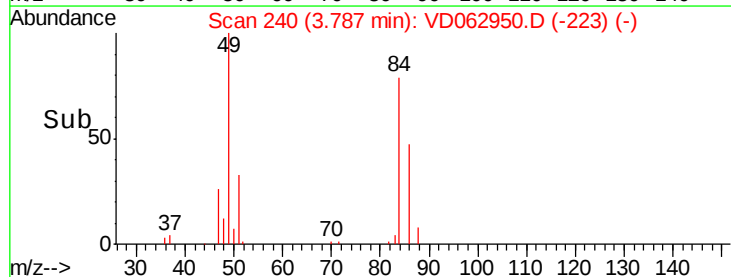
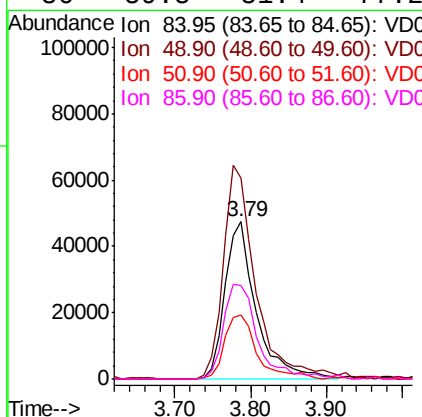
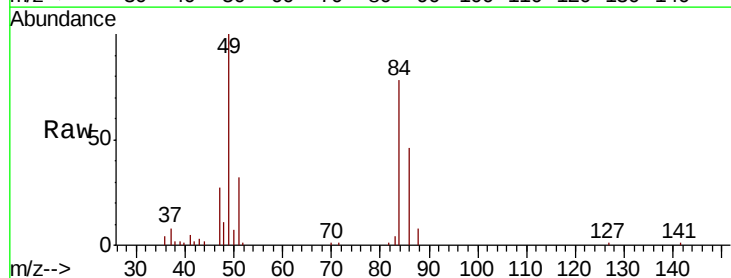
Instrument :
MSVOA_D
ClientSampled :

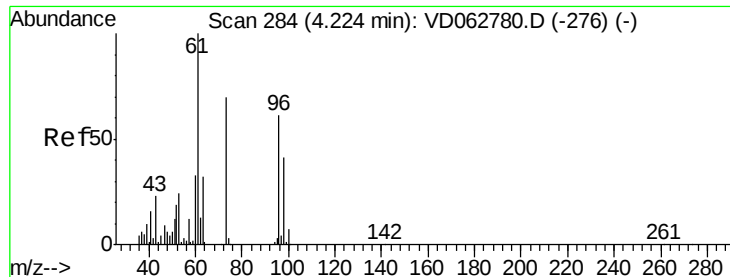
Tot Ion: 73 Resp: 300038
Ion Ratio Lower Upper
73 100
57 16.7 14.3 21.5



#20
Methylene Chloride
Concen: 22.973 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 84 Resp: 135709
Ion Ratio Lower Upper
84 100
49 128.5 102.9 154.3
51 41.2 31.2 46.8
86 59.5 51.4 77.2

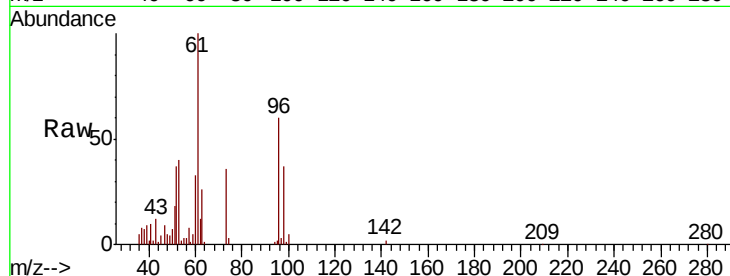




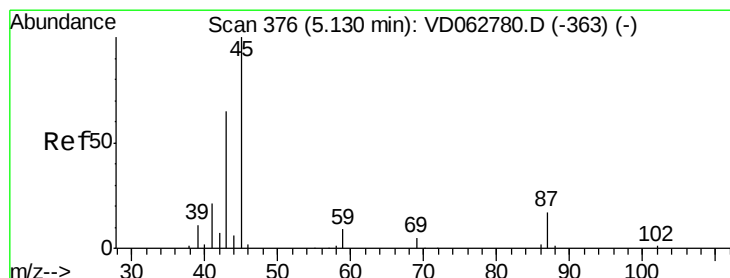
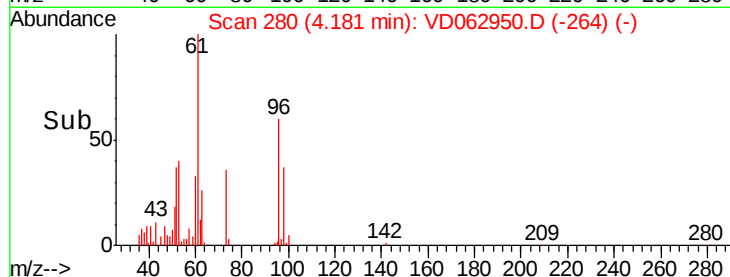
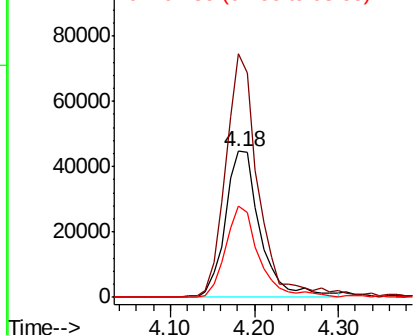
#21
trans-1,2-Dichloroethene
Concen: 21.575 ug/l
RT: 4.18 min Scan# 280
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 129921
Ion Ratio Lower Upper
96 100
61 166.8 131.0 196.4
98 62.4 53.2 79.8

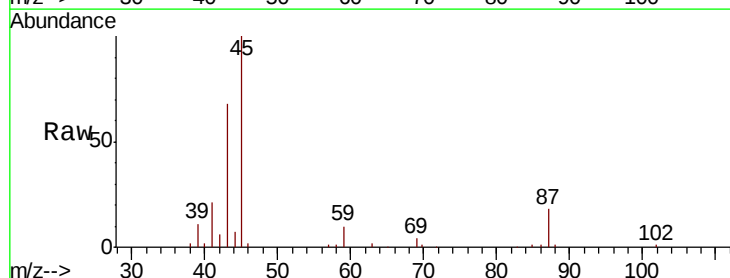


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

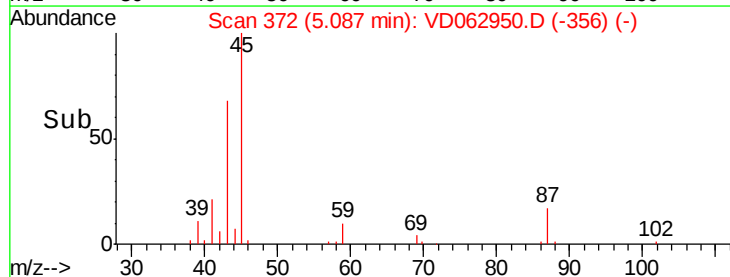
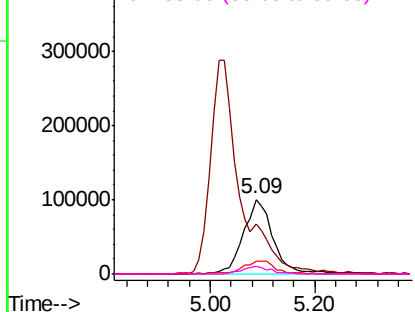


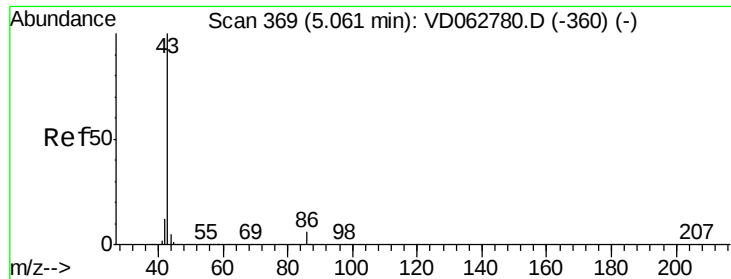
#22
Diisopropyl ether
Concen: 22.536 ug/l
RT: 5.09 min Scan# 372
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 45 Resp: 382989
Ion Ratio Lower Upper
45 100
43 67.7 53.4 80.0
87 17.8 14.6 22.0
59 10.0 7.8 11.8



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: 105.673 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

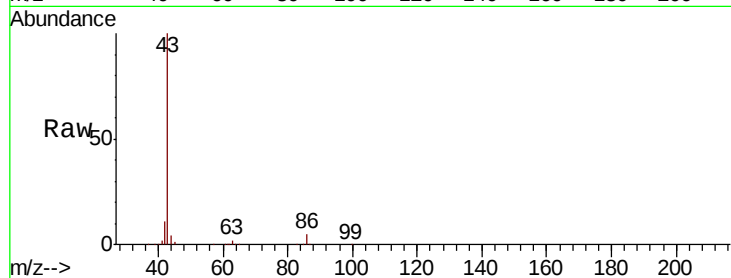
Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1123732

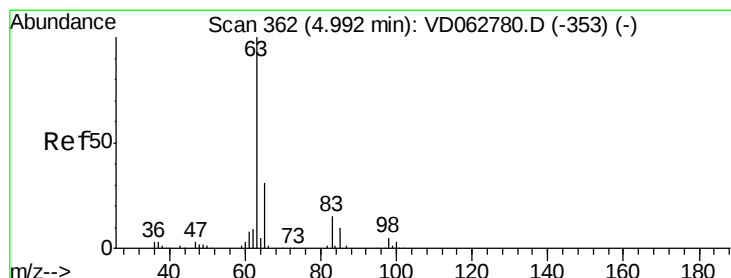
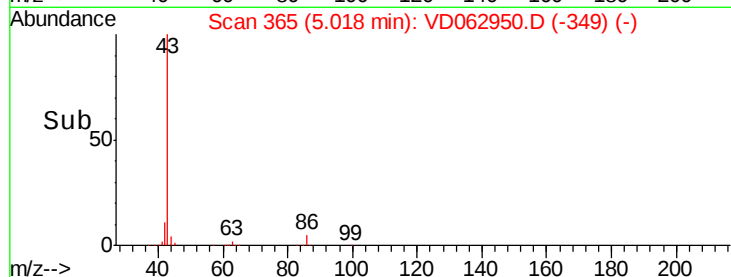
Ion	Ratio	Lower	Upper
43	100		
86	4.9	4.7	7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

Time-->



#24

1,1-Dichloroethane

Concen: 22.317 ug/l

RT: 4.95 min Scan# 358

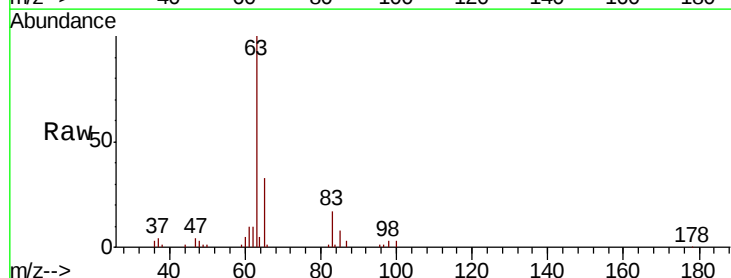
Delta R.T. -0.04 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Tgt Ion: 63 Resp: 246932

Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.3	6.9
100	2.8	1.7	5.1

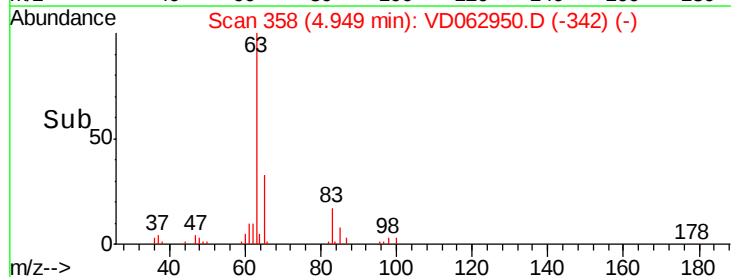


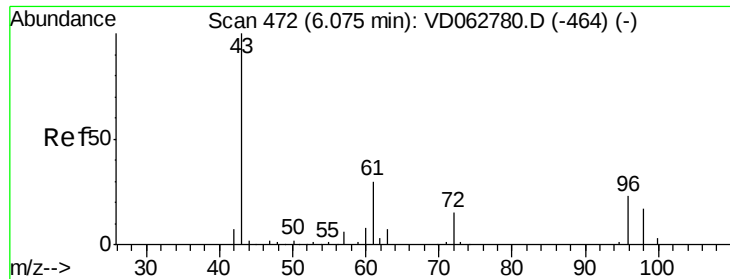
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

Time-->





#25

2-Butanone

Concen: 131.806 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

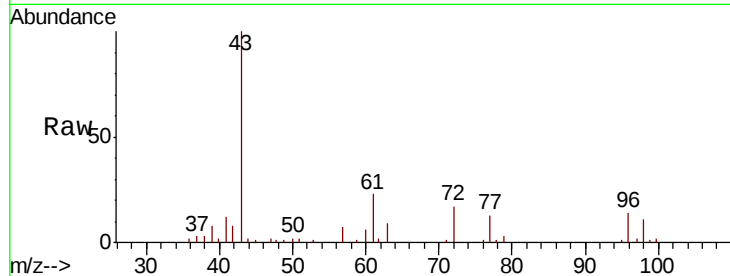
ClientSampleId :

Tot Ion: 43 Resp: 190950

Ion Ratio Lower Upper

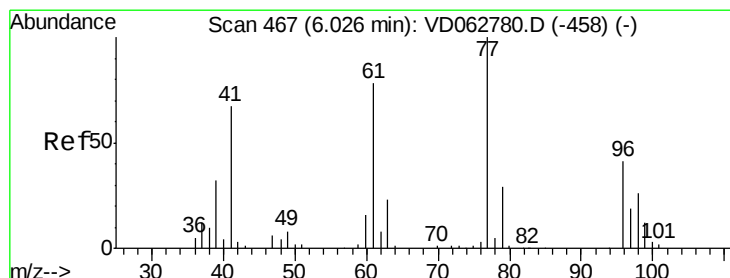
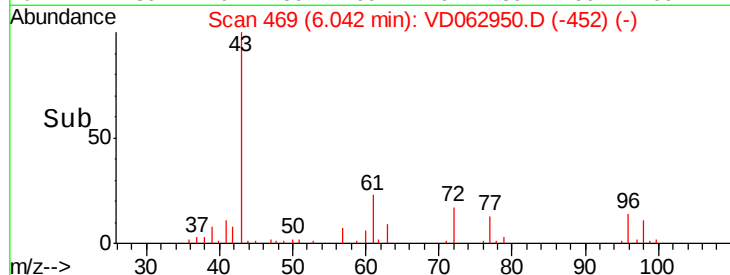
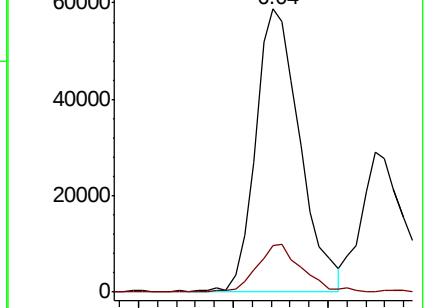
43 100

72 16.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.547 ug/l

RT: 5.98 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD062950.D

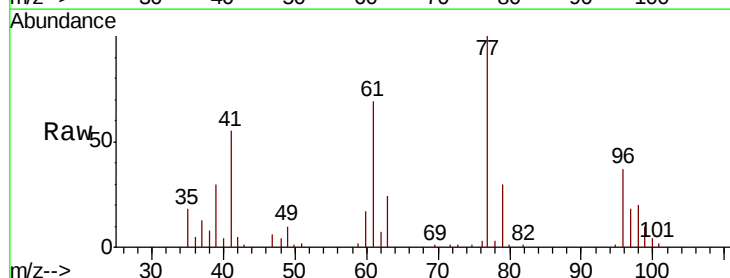
Acq: 28 Jun 2019 2:28

Tgt Ion: 77 Resp: 205787

Ion Ratio Lower Upper

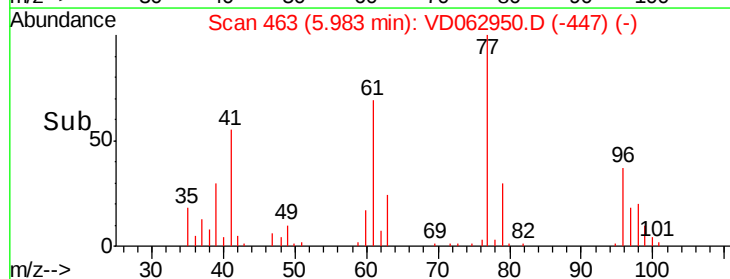
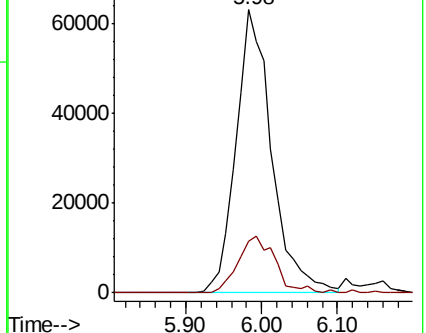
77 100

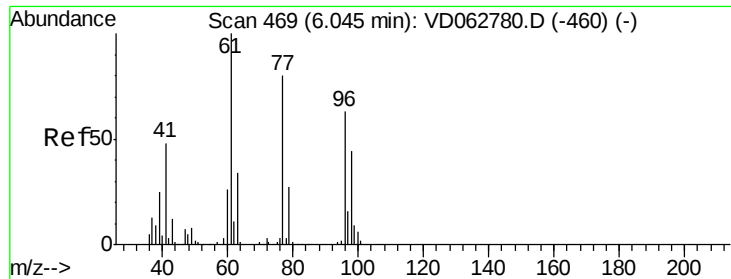
97 18.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



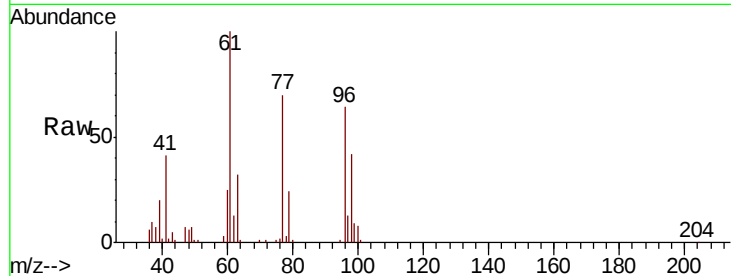


#27

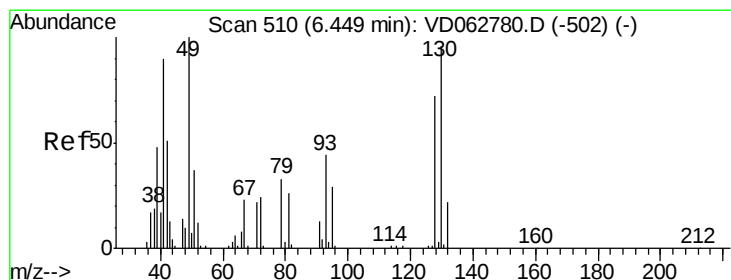
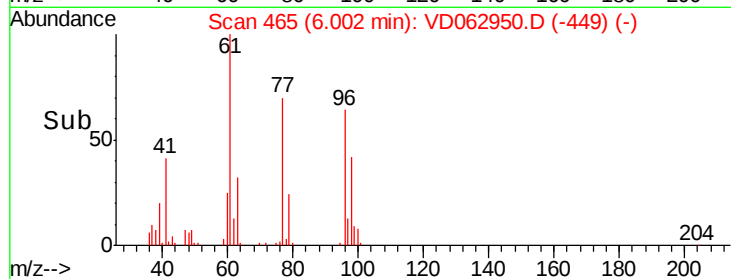
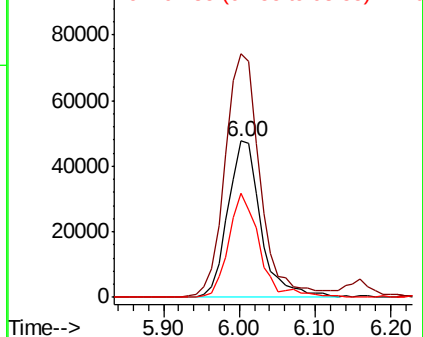
cis-1,2-Dichloroethene
Concen: 22.533 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	143488
Ion Ratio	Lower	Upper	
96	100		
61	156.1	0.0	316.0
98	66.3	0.0	138.4



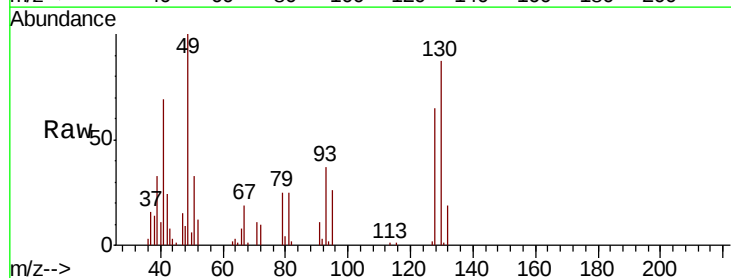
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



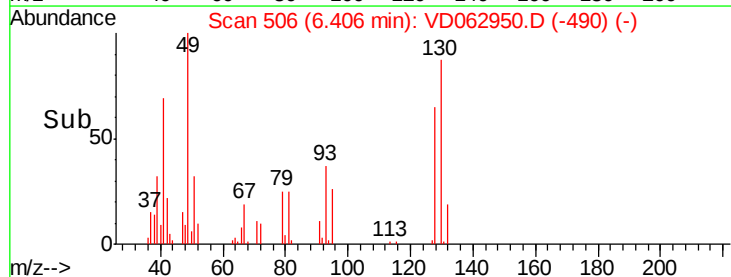
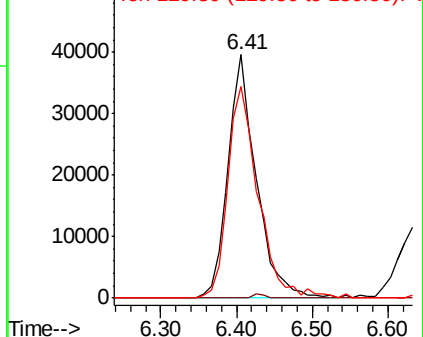
#28

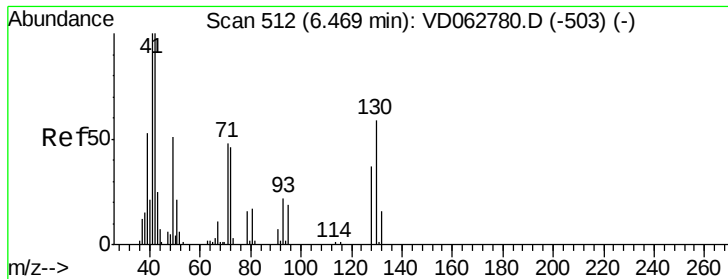
Bromochloromethane
Concen: 26.313 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion	49	Resp	102541
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	5.6
130	87.0	76.6	114.8



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

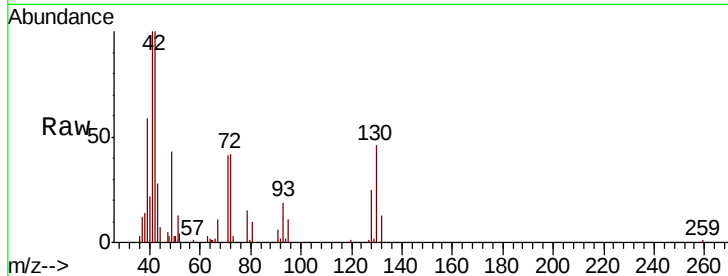




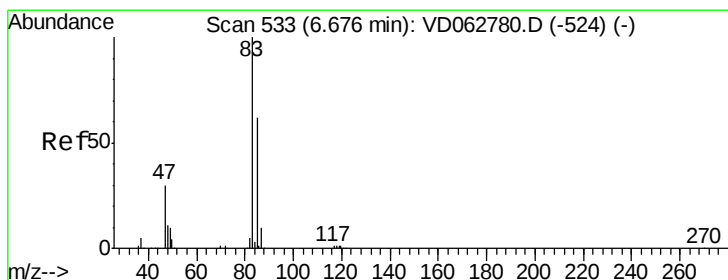
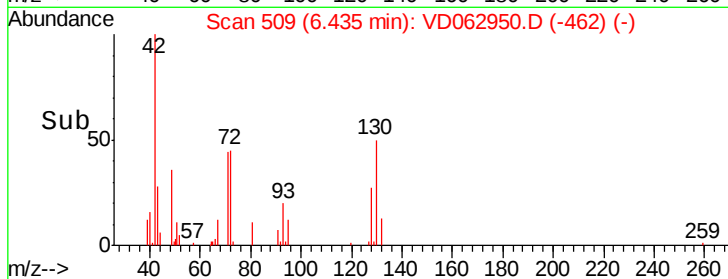
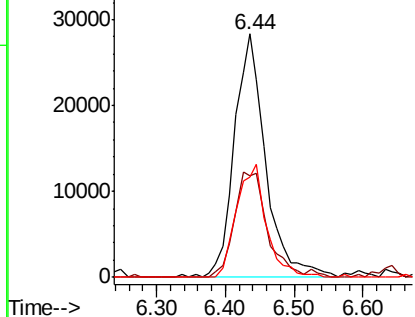
#29
Tetrahydrofuran
Concen: 129.620 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 88847
Ion Ratio Lower Upper
42 100
72 45.1 35.0 52.6
71 44.2 33.3 49.9

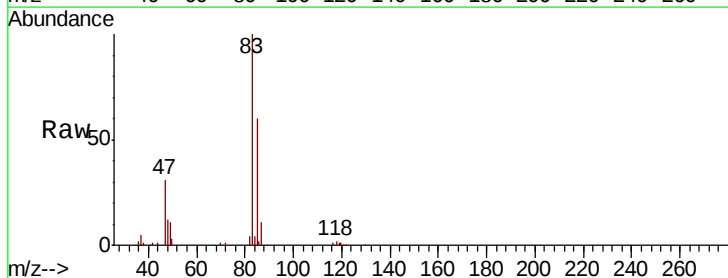


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

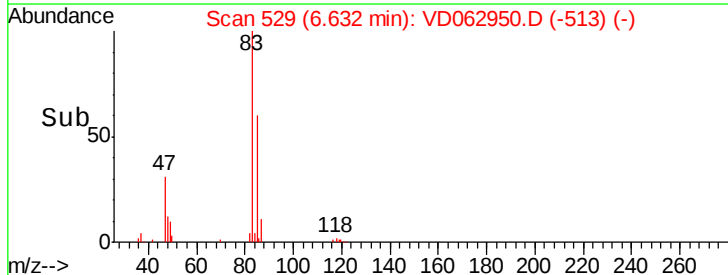
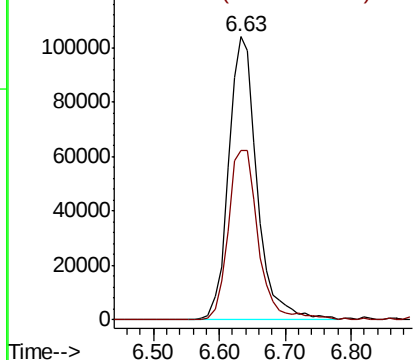


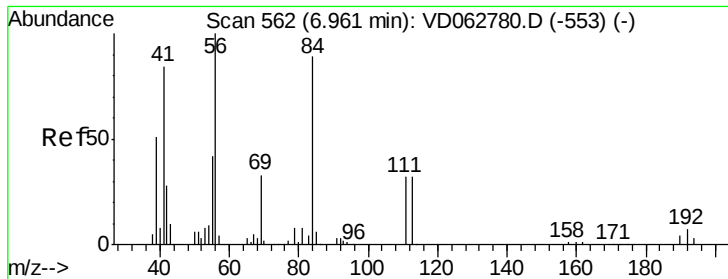
#30
Chloroform
Concen: 23.372 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 83 Resp: 314499
Ion Ratio Lower Upper
83 100
85 60.1 49.8 74.6



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

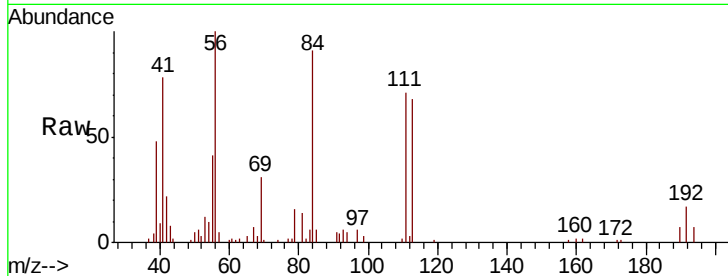




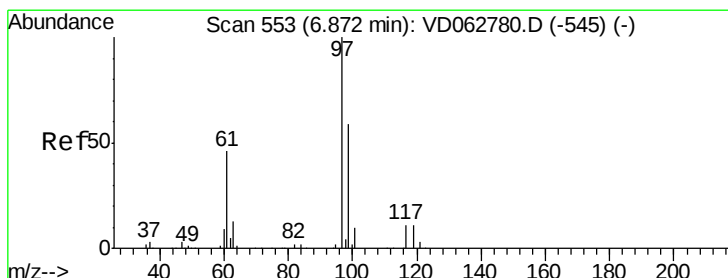
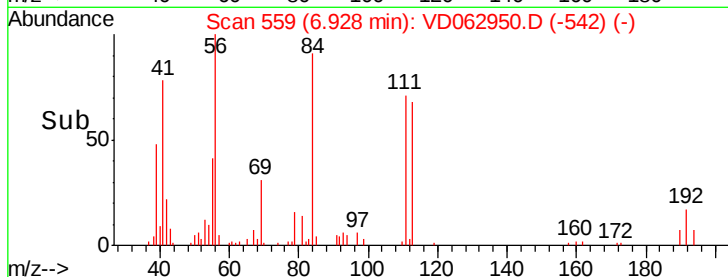
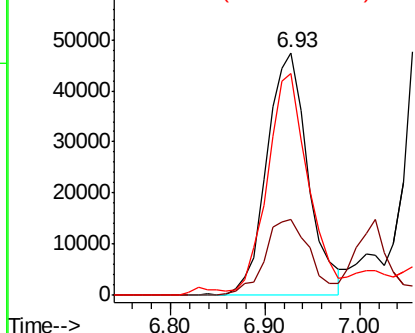
#31
Cyclohexane
Concen: 19.678 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 143139
Ion Ratio Lower Upper
56 100
69 31.4 26.6 39.8
84 91.5 75.5 113.3

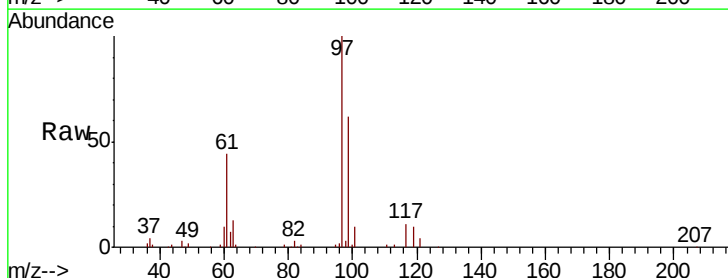


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

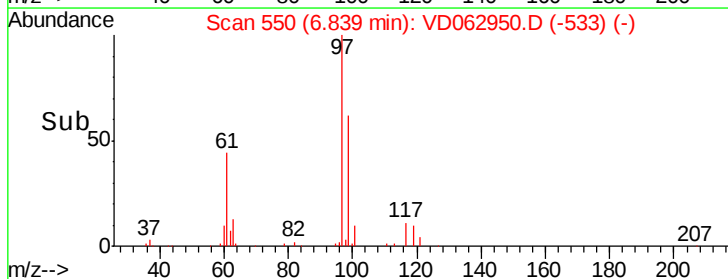
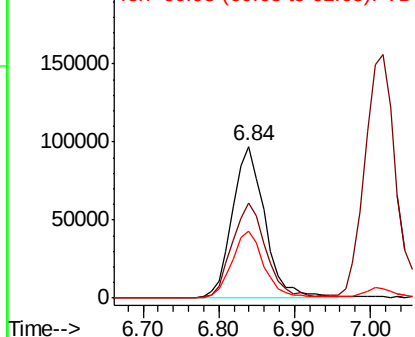


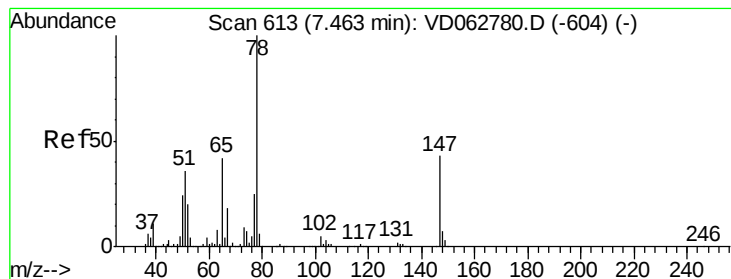
#32
1,1,1-Trichloroethane
Concen: 20.731 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 97 Resp: 290561
Ion Ratio Lower Upper
97 100
99 62.4 47.4 71.2
61 44.1 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 52.814 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

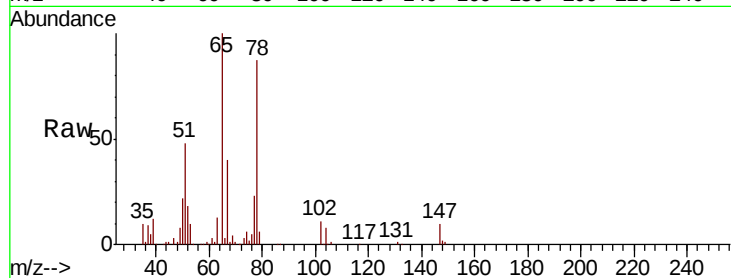
ClientSampleId :

Tot Ion: 65 Resp: 409095

Ion Ratio Lower Upper

65 100

67 40.3 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.42

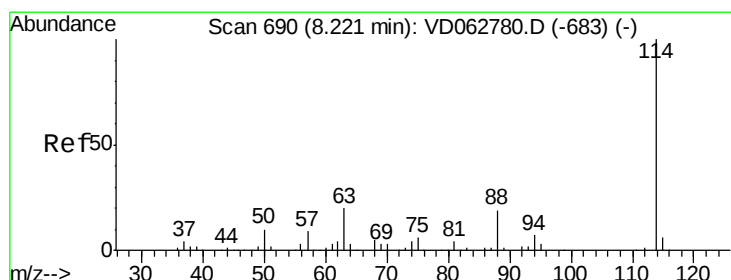
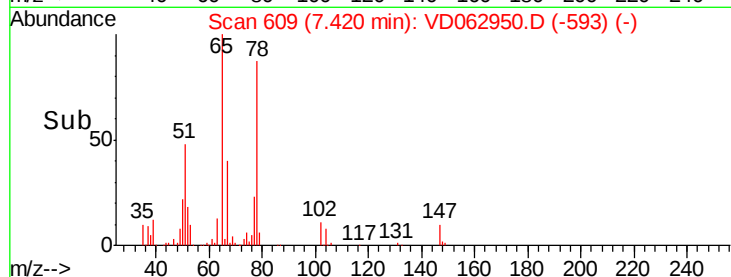
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

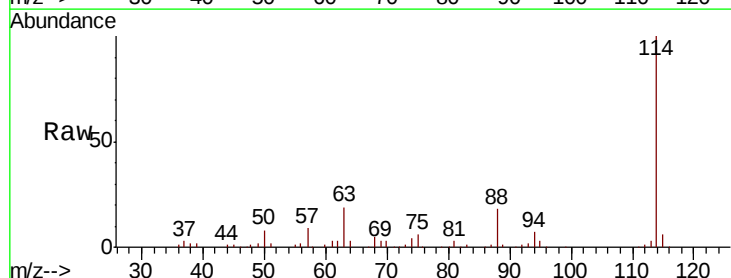
Tgt Ion: 114 Resp: 1013704

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 18.5 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.19

500000

400000

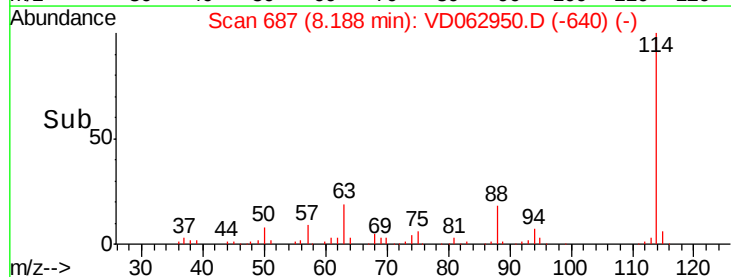
300000

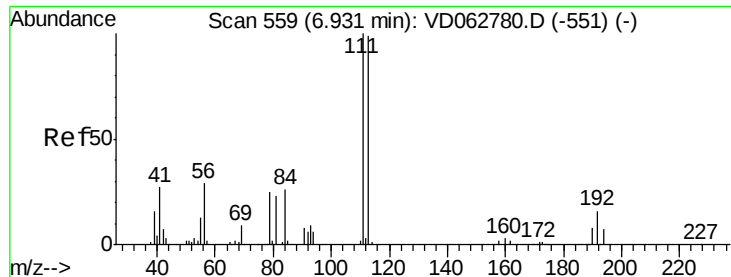
200000

100000

0

Time-->

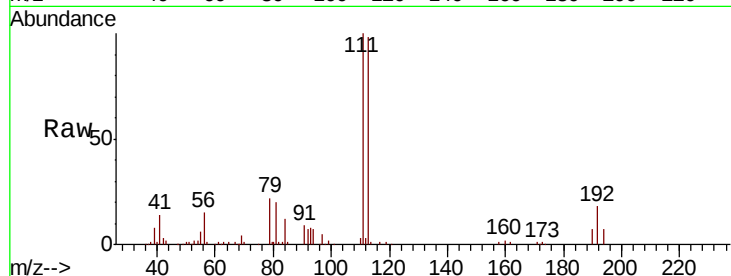




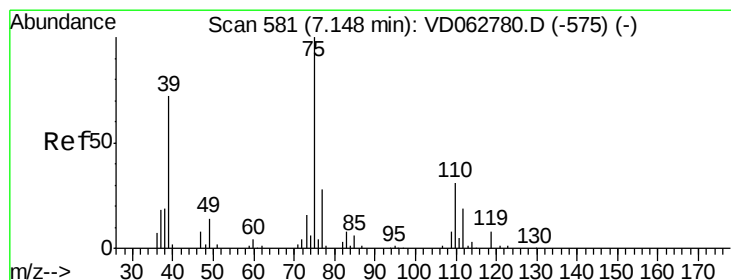
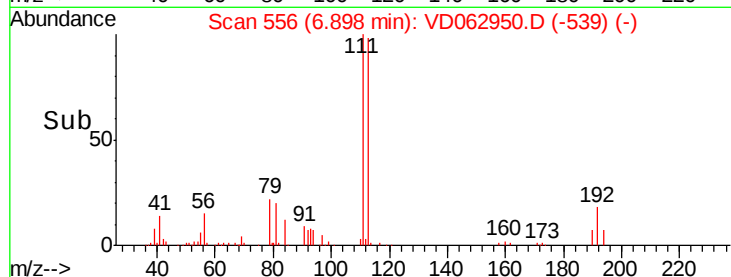
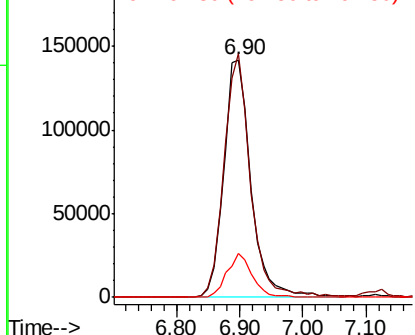
#35
Dibromofluoromethane
Concen: 49.321 ug/l
RT: 6.90 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 421570
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 18.5 12.9 19.3

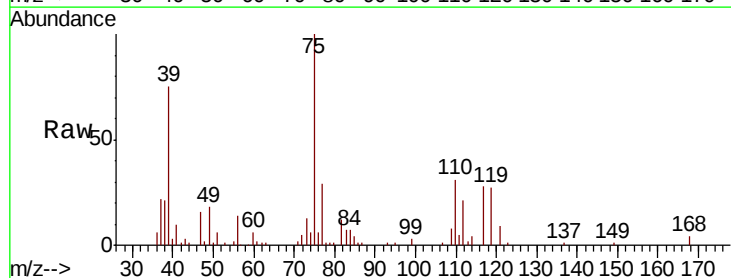


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

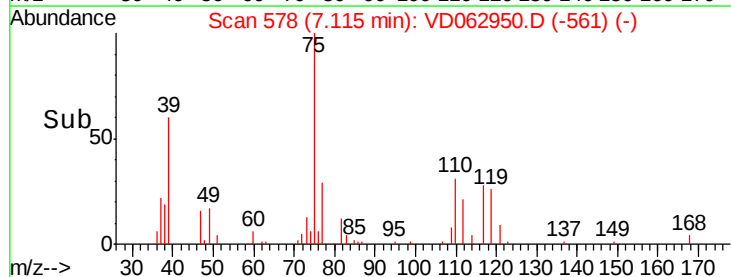
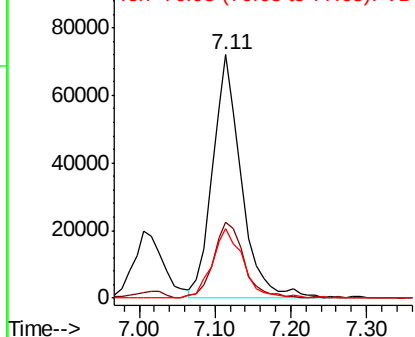


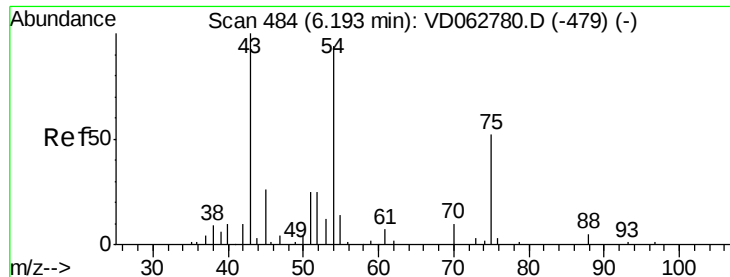
#36
1,1-Dichloropropene
Concen: 19.867 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 75 Resp: 190651
Ion Ratio Lower Upper
75 100
110 31.3 15.0 45.1
77 28.5 22.2 33.2



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

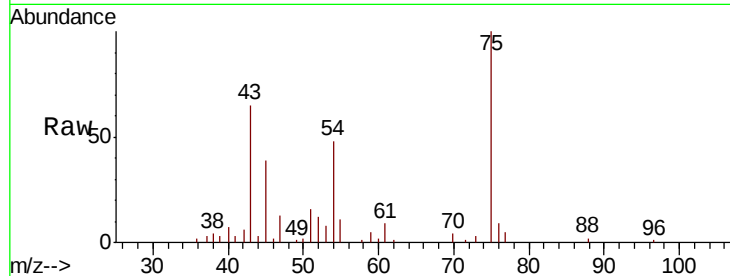




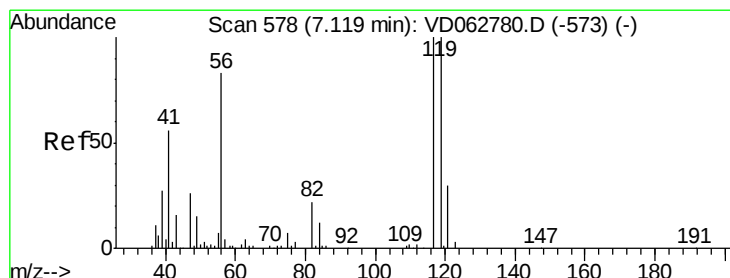
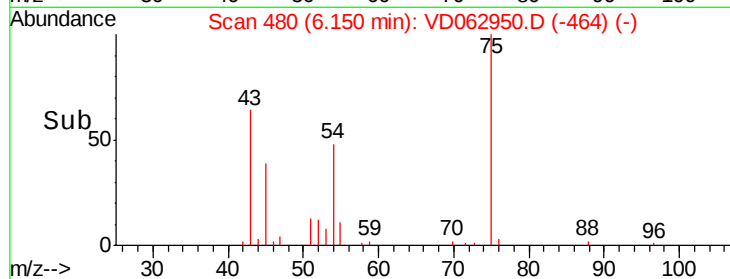
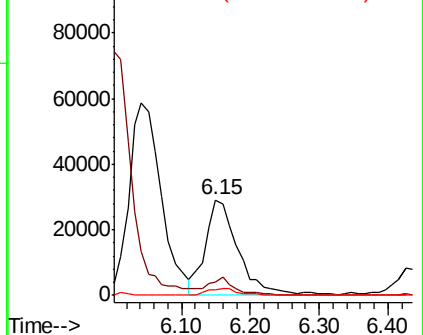
#37
Ethyl Acetate
Concen: 23.385 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 96630
Ion Ratio Lower Upper
43 100
61 14.5 11.6 17.4
70 5.5 6.4 9.6#

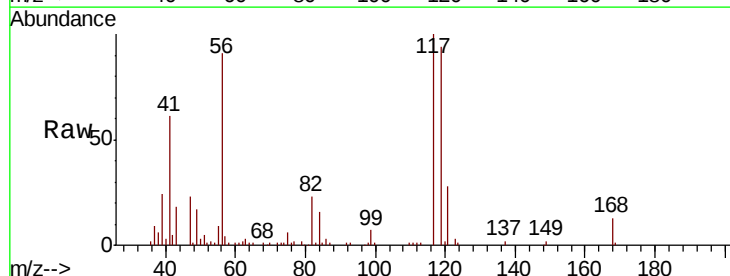


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

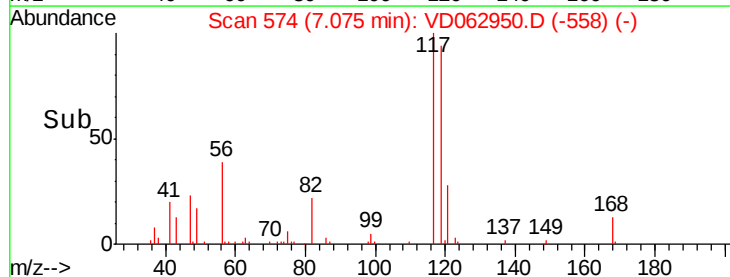
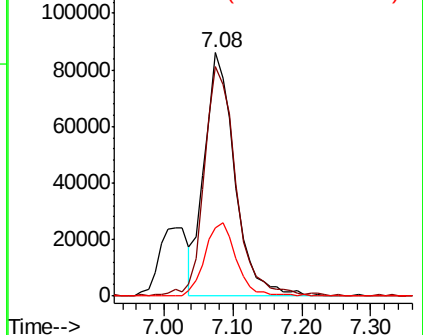


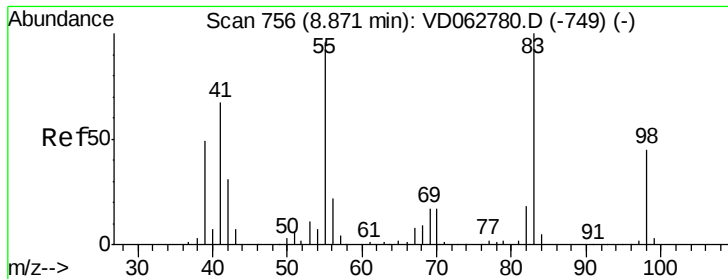
#38
Carbon Tetrachloride
Concen: 18.327 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 117 Resp: 264501
Ion Ratio Lower Upper
117 100
119 94.0 75.4 113.2
121 28.0 22.3 33.5



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

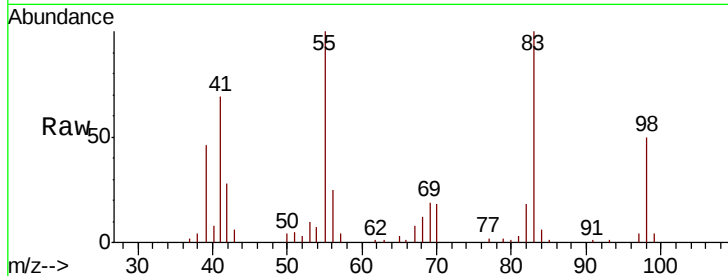




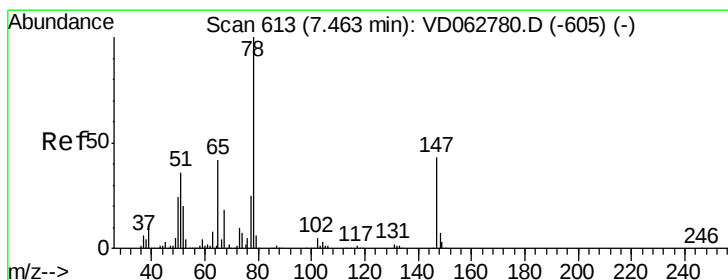
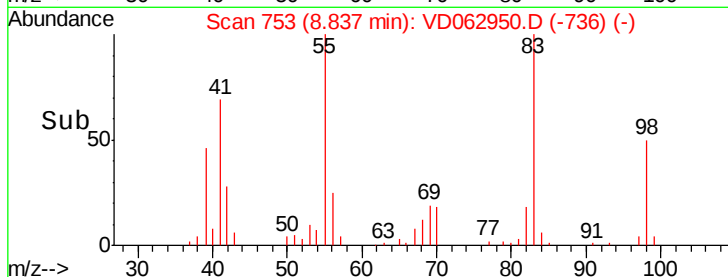
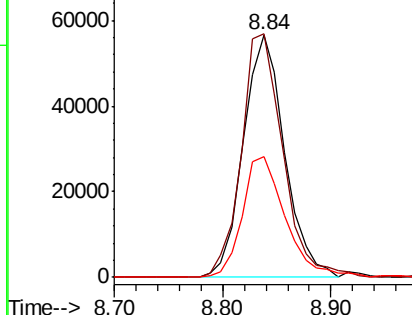
#39
Methvlcvclohexane
Concen: 17.850 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 150775
Ion Ratio Lower Upper
83 100
55 100.4 76.6 115.0
98 50.0 35.7 53.5

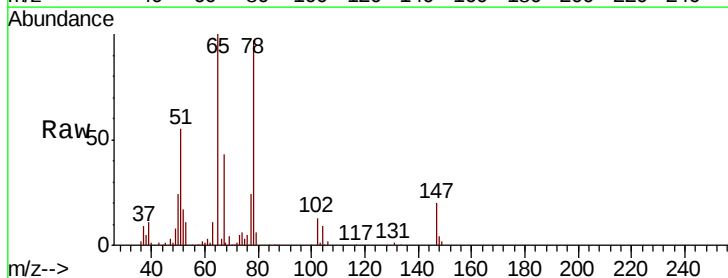


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

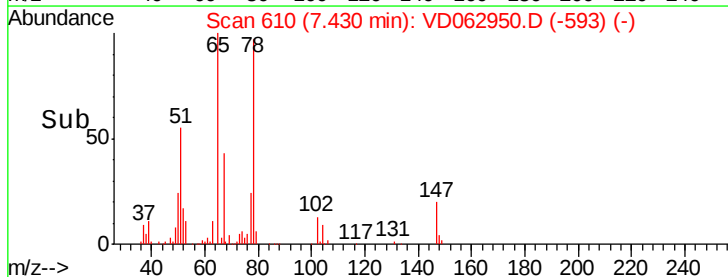
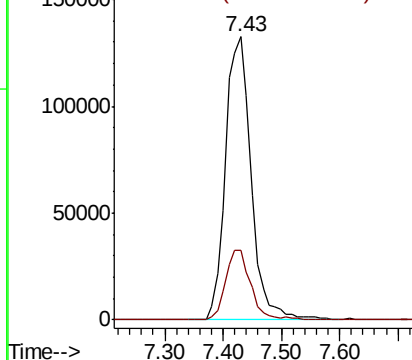


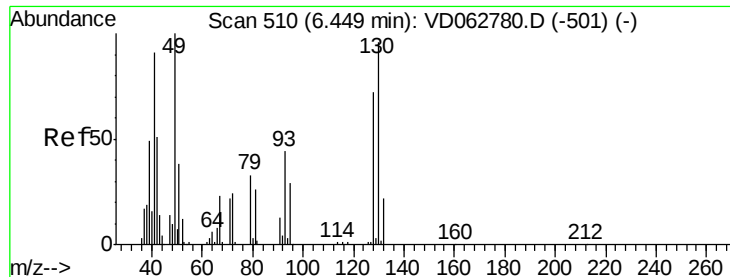
#40
Benzene
Concen: 21.011 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 78 Resp: 404731
Ion Ratio Lower Upper
78 100
77 24.8 20.2 30.2



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





#41

Methacrylonitrile

Concen: 24.004 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 121474

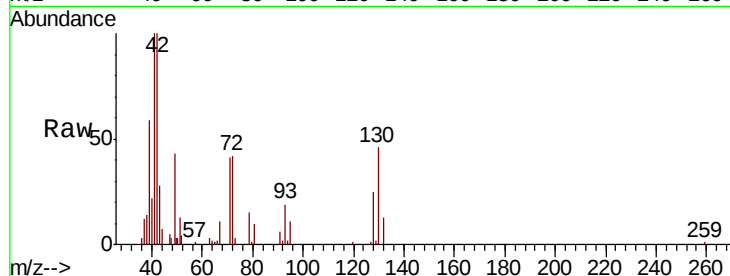
Ion Ratio Lower Upper

41 100

39 59.3 43.2 64.8

67 11.1 19.9 29.9#

52 4.4 10.2 15.4#

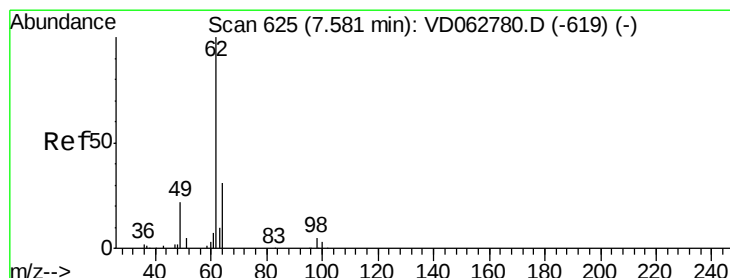
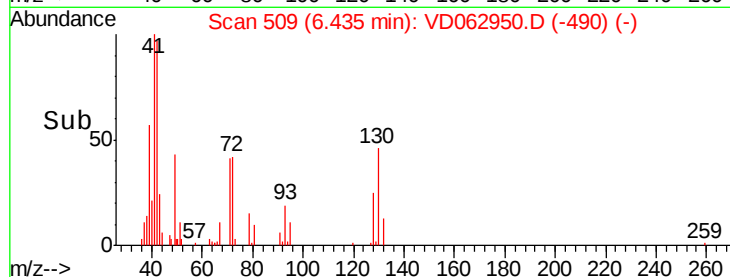
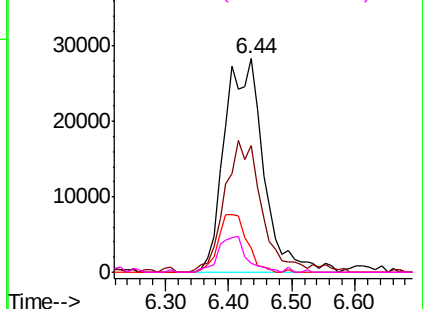


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.310 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.03 min

Lab File: VD062950.D

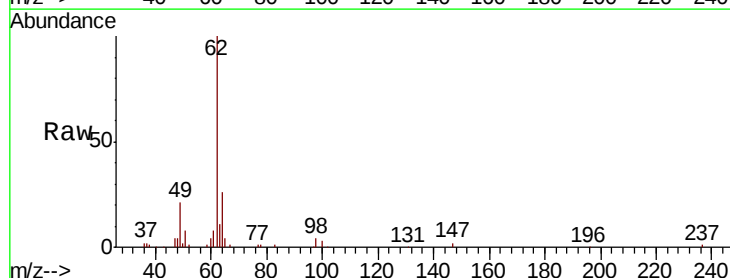
Acq: 28 Jun 2019 2:28

Tgt Ion: 62 Resp: 244946

Ion Ratio Lower Upper

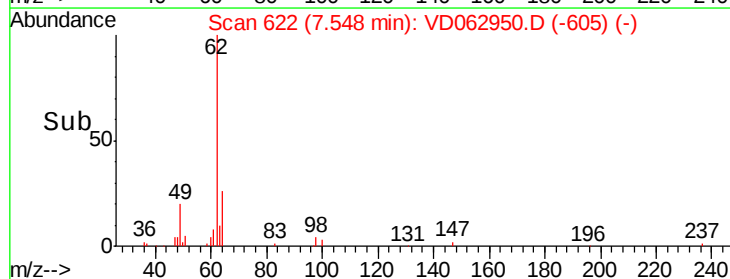
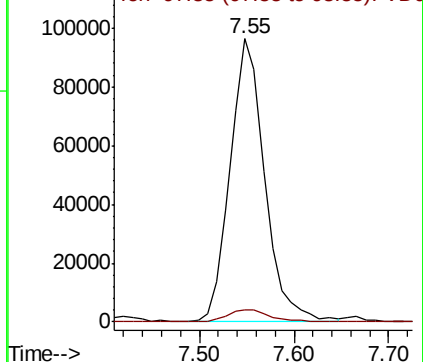
62 100

98 4.3 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



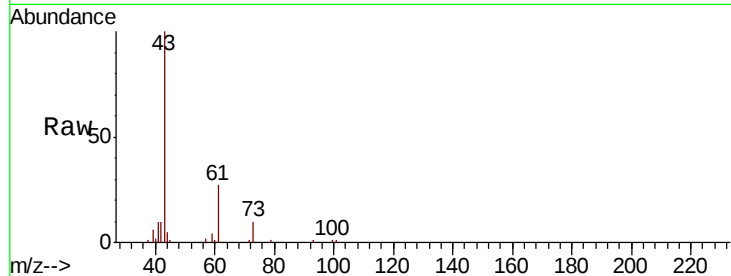


#43

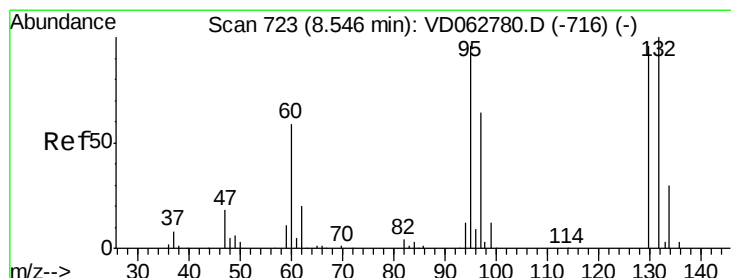
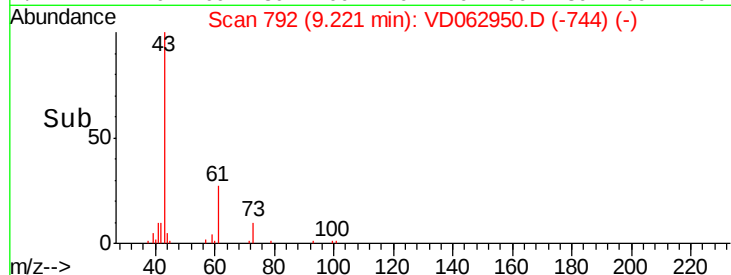
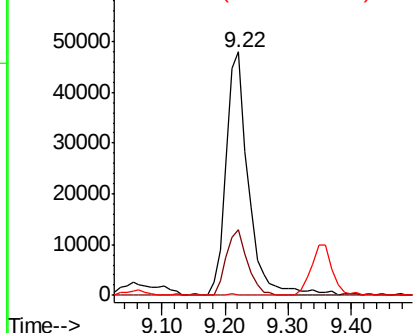
Isopropyl Acetate
 Concen: 23.413 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 117788
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.4 33.6
 87 0.0 0.3 0.5#



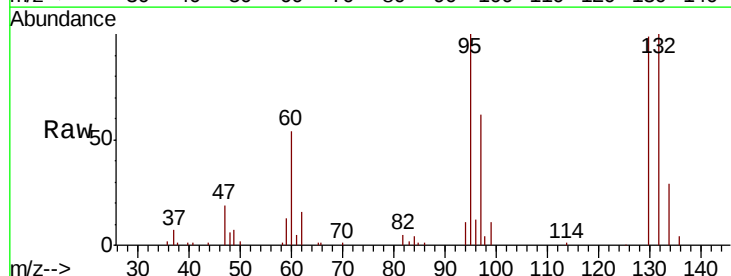
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



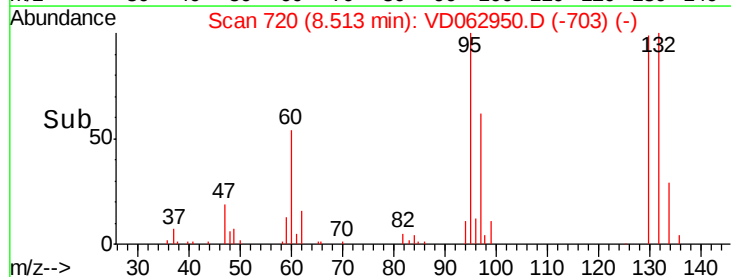
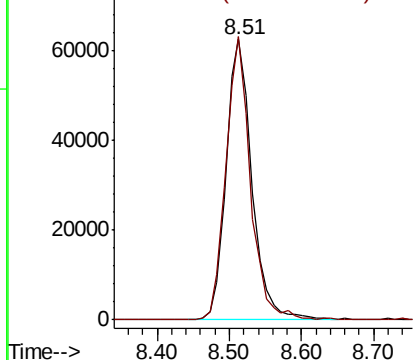
#44

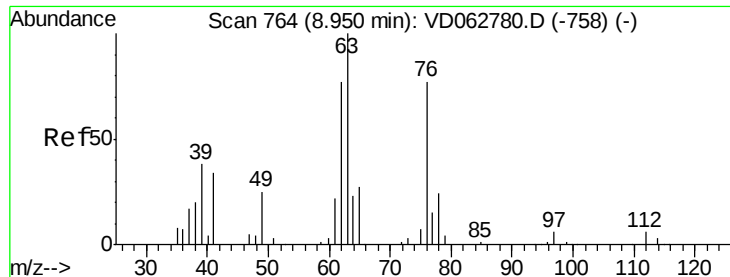
Trichloroethene
 Concen: 20.506 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion: 130 Resp: 154852
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 19.847 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

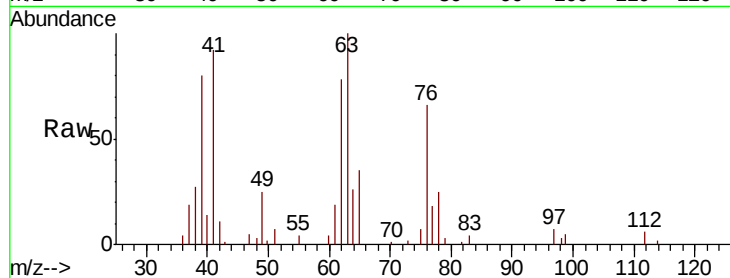
ClientSampleId :

Tot Ion: 63 Resp: 95061

Ion Ratio Lower Upper

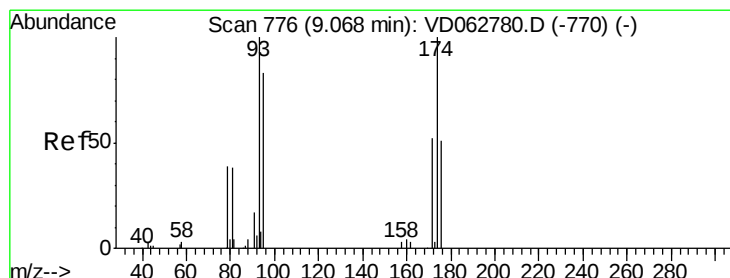
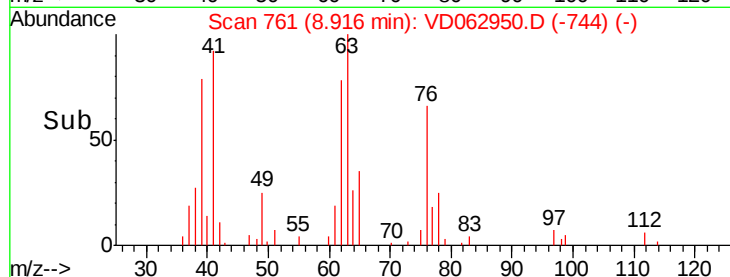
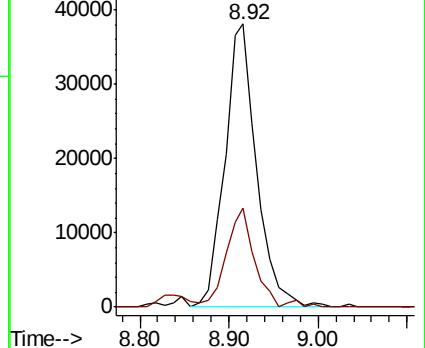
63 100

65 34.8 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.568 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

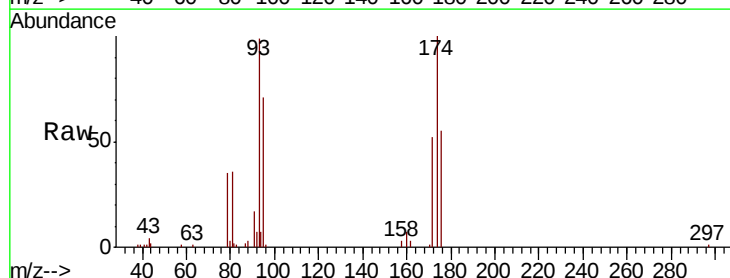
Tgt Ion: 93 Resp: 92855

Ion Ratio Lower Upper

93 100

95 71.6 66.6 100.0

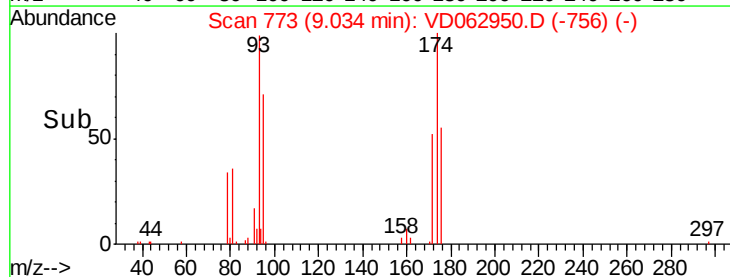
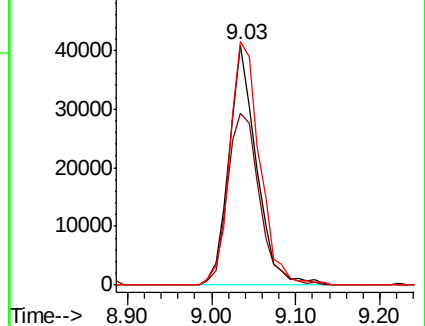
174 101.4 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.625 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

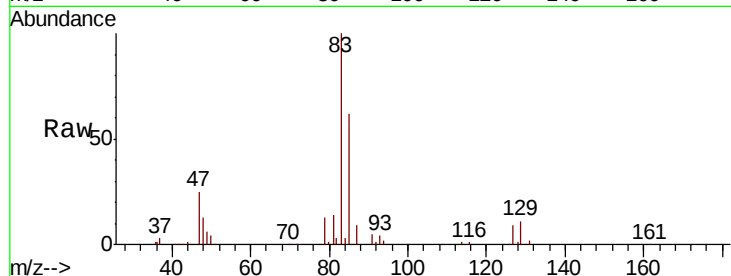
Tot Ion: 83 Resp: 241756

Ion Ratio Lower Upper

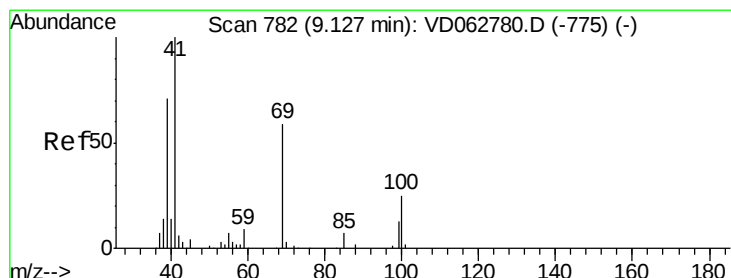
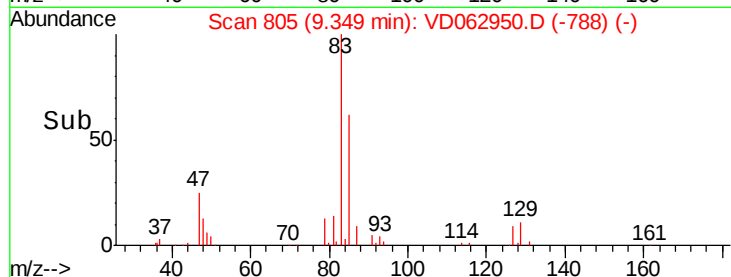
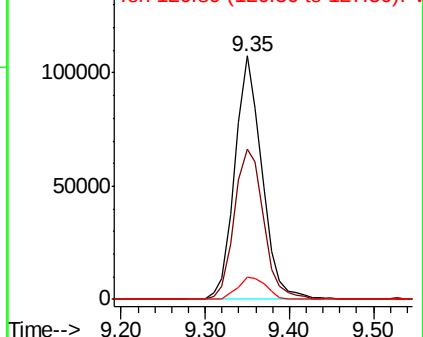
83 100

85 61.5 51.6 77.4

127 9.3 7.8 11.6



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): VDC



#48

Methyl methacrylate

Concen: 21.864 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

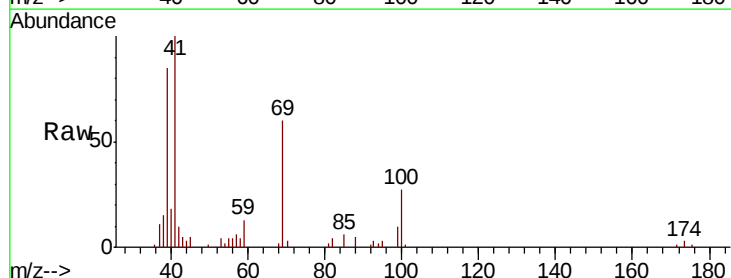
Tgt Ion: 41 Resp: 78167

Ion Ratio Lower Upper

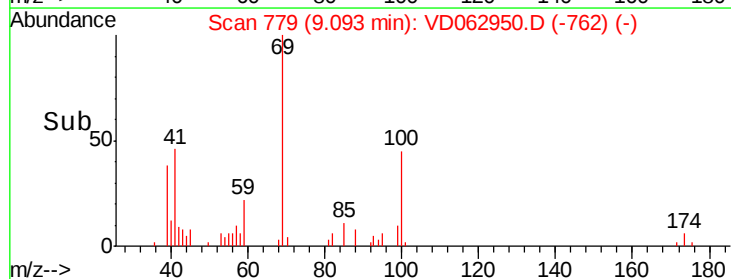
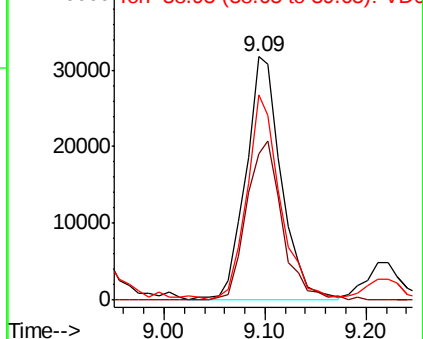
41 100

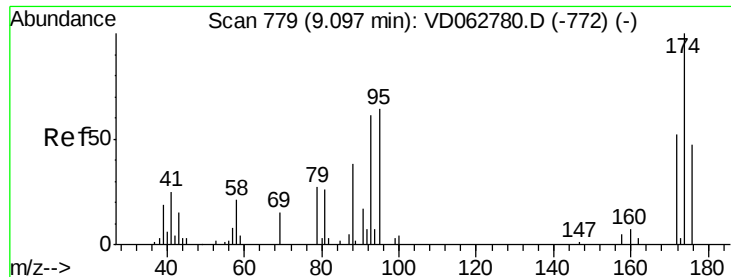
69 60.0 47.2 70.8

39 84.5 57.4 86.2



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

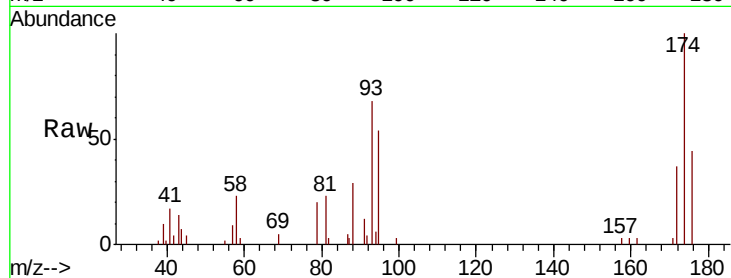




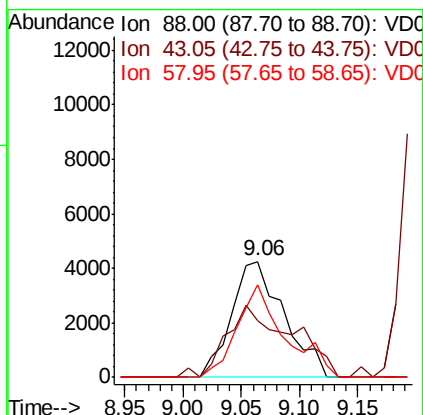
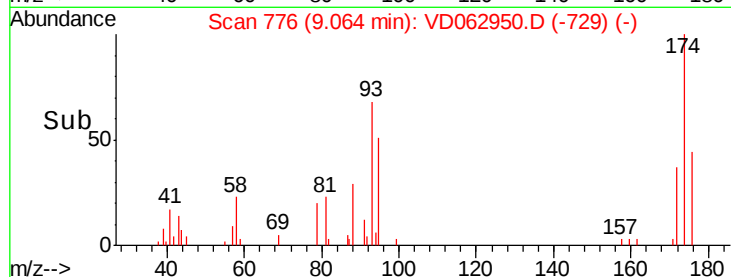
#49
1,4-Dioxane
Concen: 445.335 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 13246
Ion Ratio Lower Upper
88 100
43 72.5 32.1 48.1#
58 79.8 44.1 66.1#

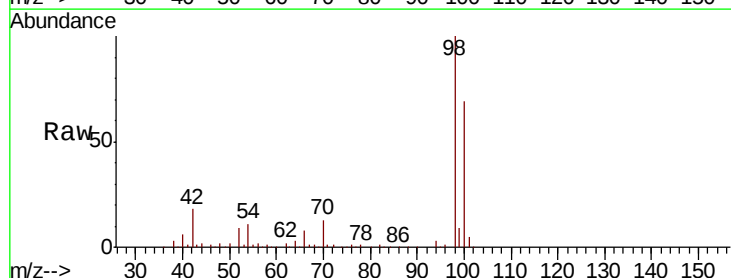


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

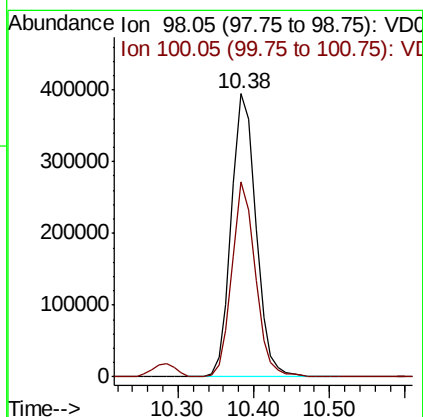
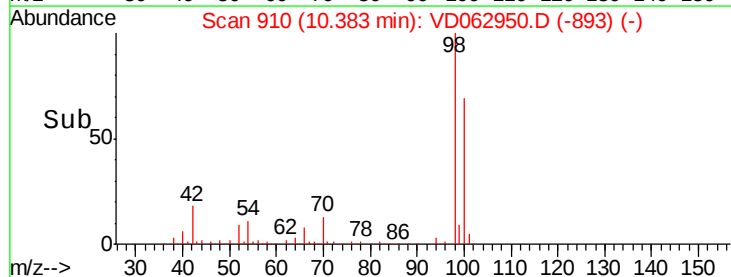


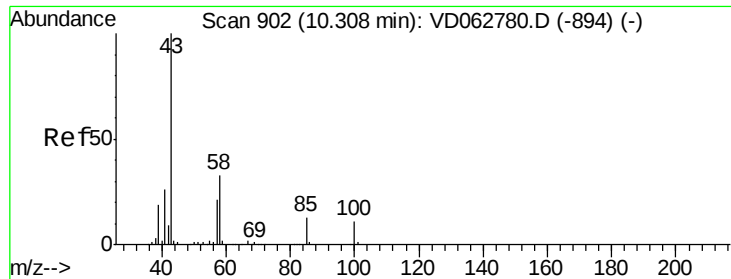
#50
Toluene-d8
Concen: 47.952 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 98 Resp: 892059
Ion Ratio Lower Upper
98 100
100 68.8 54.7 82.1



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

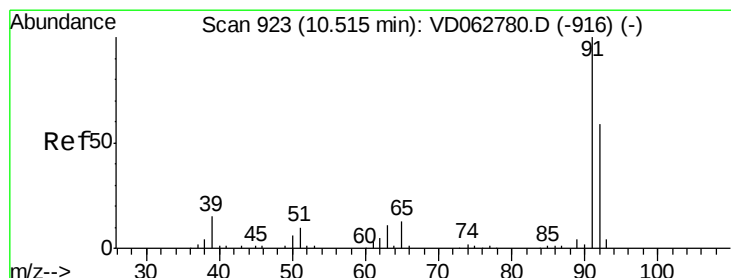
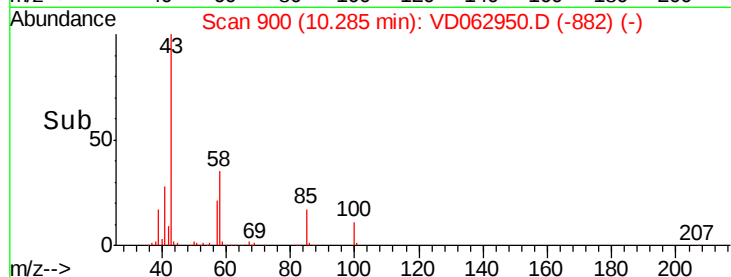
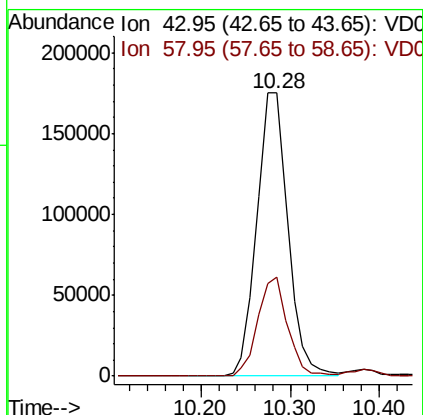
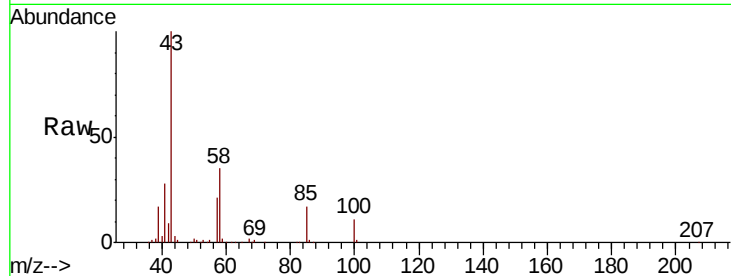




#51
4-Methyl-2-Pentanone
Concen: 118.357 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

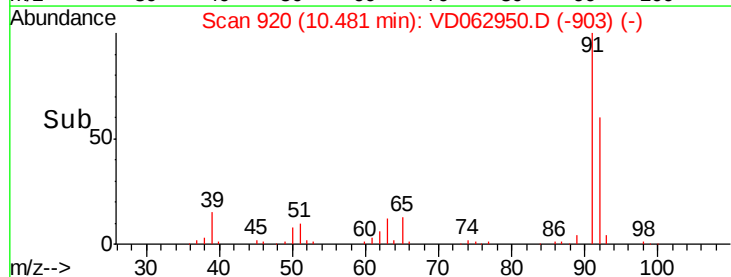
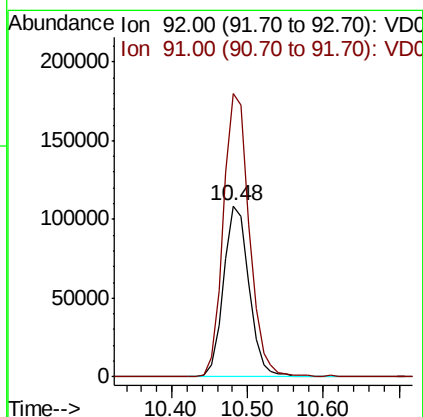
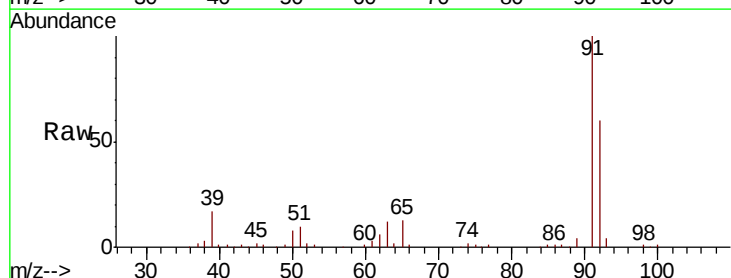
Instrument :
MSVOA_D
ClientSampleId :

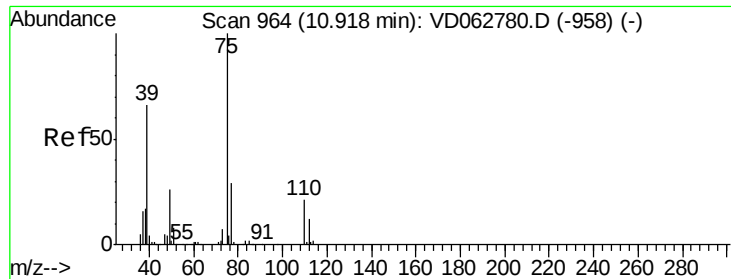
Tot Ion: 43 Resp: 422169
Ion Ratio Lower Upper
43 100
58 35.0 26.6 40.0



#52
Toluene
Concen: 19.504 ug/l
RT: 10.48 min Scan# 920
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 92 Resp: 252541
Ion Ratio Lower Upper
92 100
91 165.6 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 23.230 ug/l

RT: 10.89 min Scan# 961

Delta R.T. -0.03 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

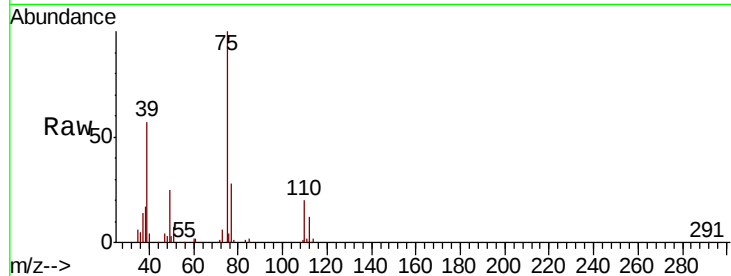
ClientSampled :

Tot Ion: 75 Resp: 203168

Ion Ratio Lower Upper

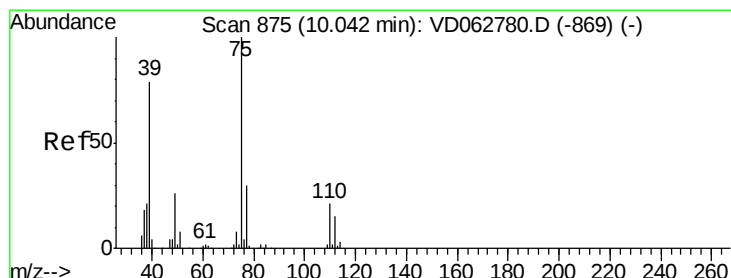
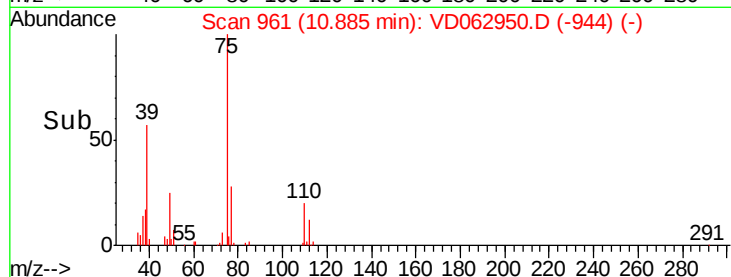
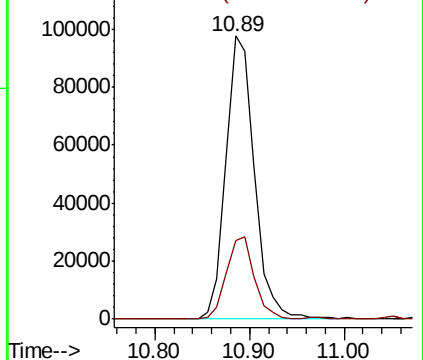
75 100

77 27.7 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.493 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

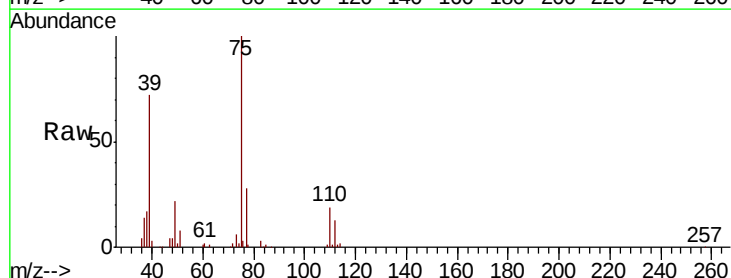
Tgt Ion: 75 Resp: 194812

Ion Ratio Lower Upper

75 100

77 28.2 24.2 36.2

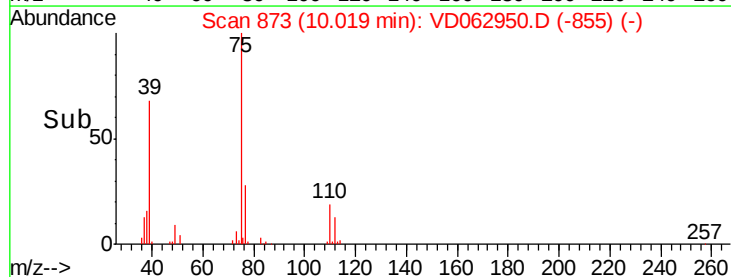
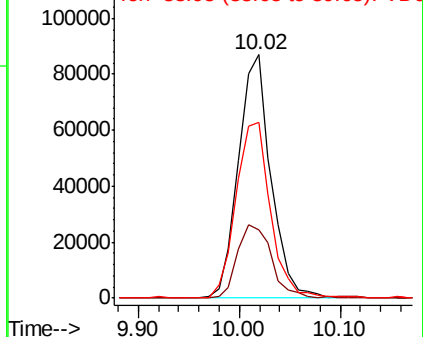
39 72.1 63.5 95.3

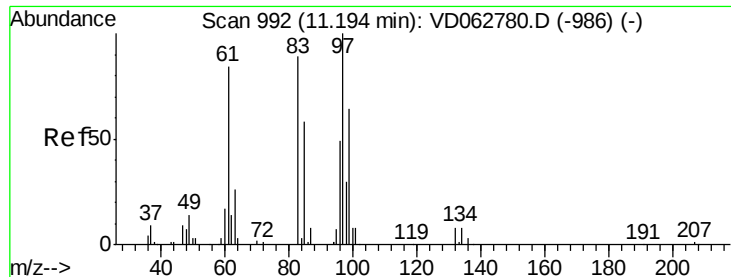


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

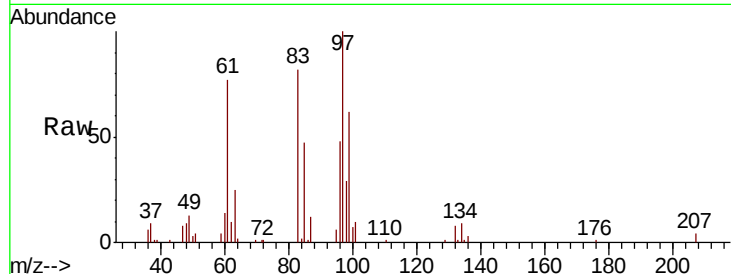




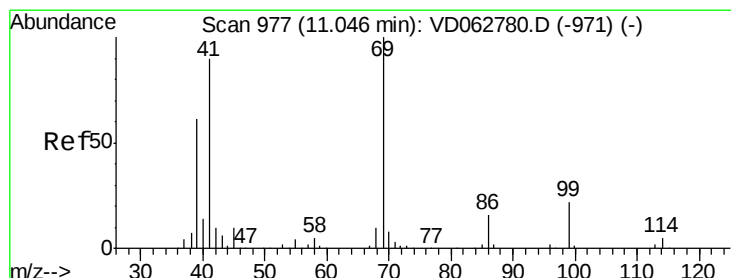
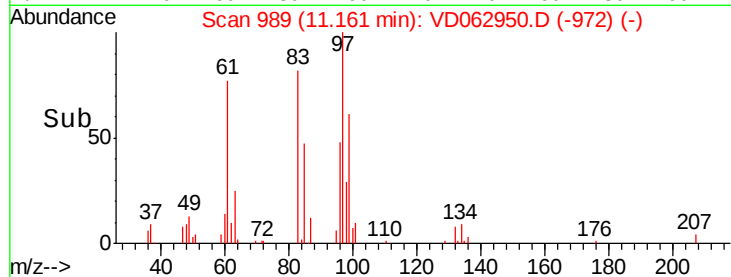
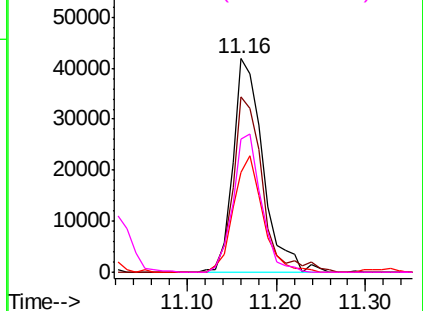
#55
 1,1,2-Trichloroethane
 Concen: 22.076 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	98207
Ion	Ratio	Lower	Upper
97	100		
83	82.3	71.0	106.4
85	46.8	46.6	69.8
99	62.5	51.4	77.0

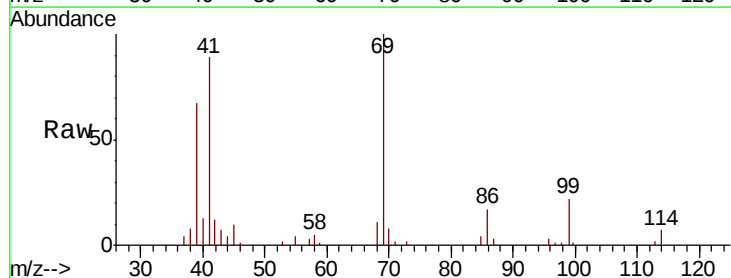


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

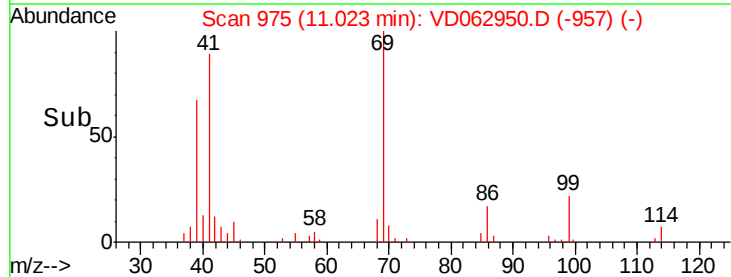
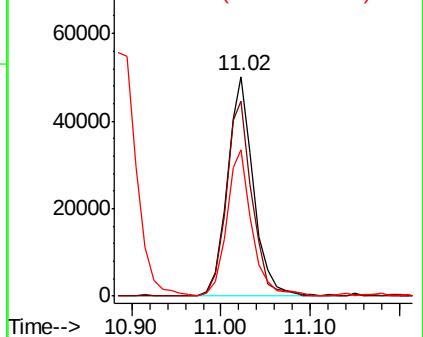


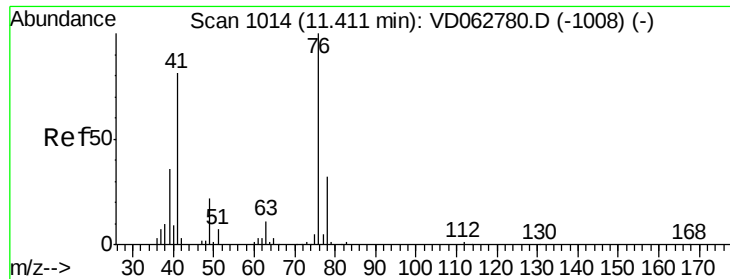
#56
 Ethyl methacrylate
 Concen: 21.605 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion	69	Resp	102712
Ion	Ratio	Lower	Upper
69	100		
41	89.0	72.0	108.0
39	66.7	49.5	74.3



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

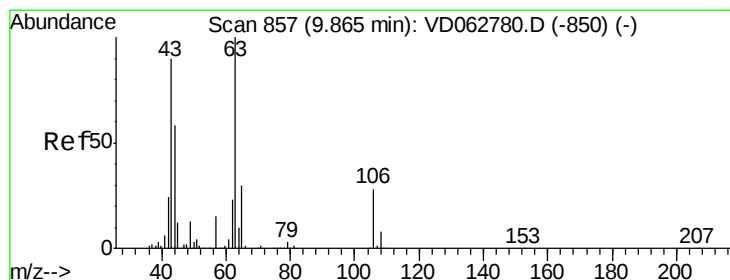
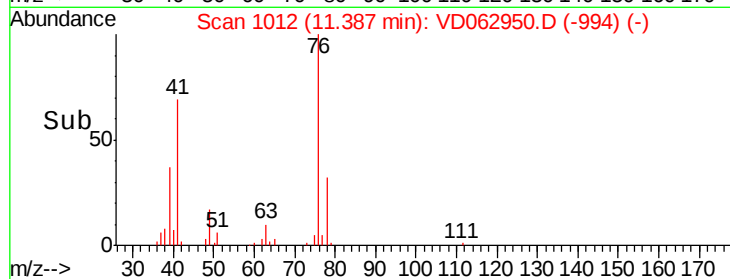
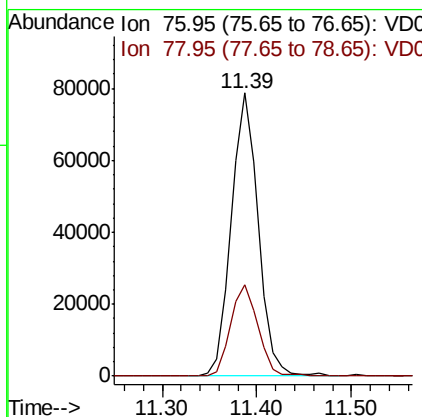
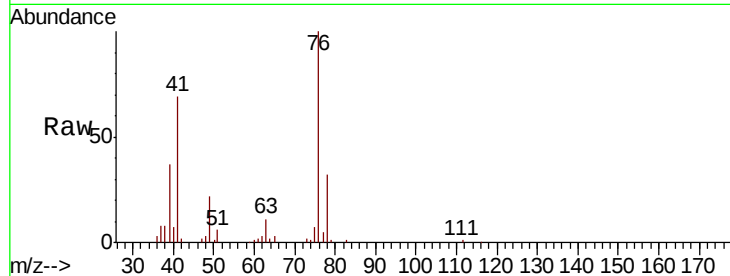




#57
 1,3-Dichloropropane
 Concen: 22.725 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

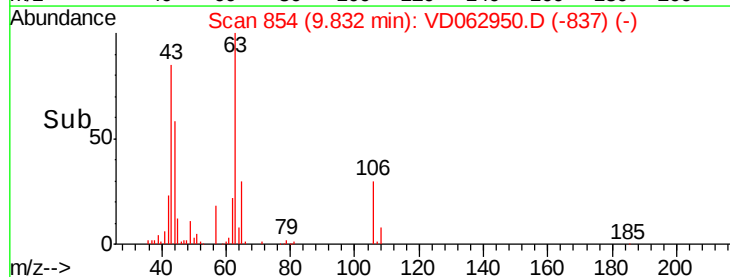
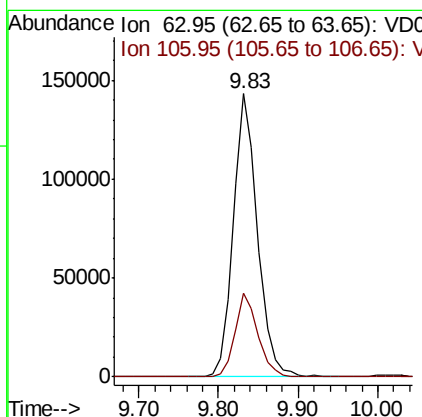
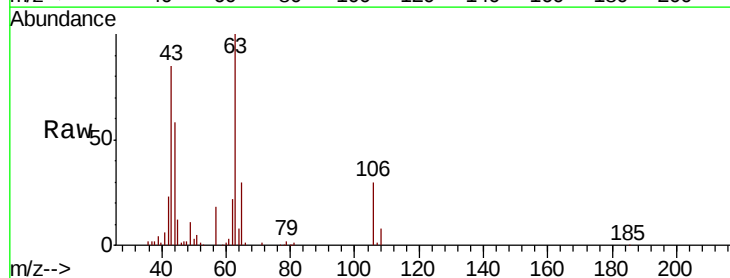
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 154789
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.297 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion: 63 Resp: 303367
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.1 33.1

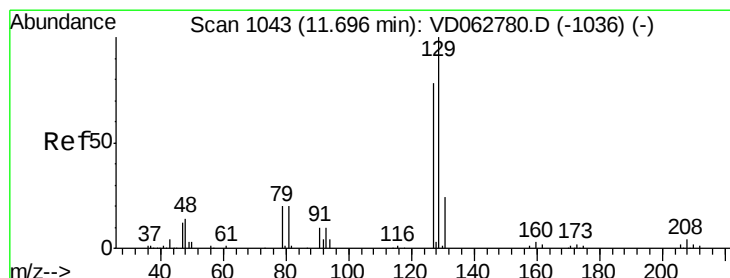
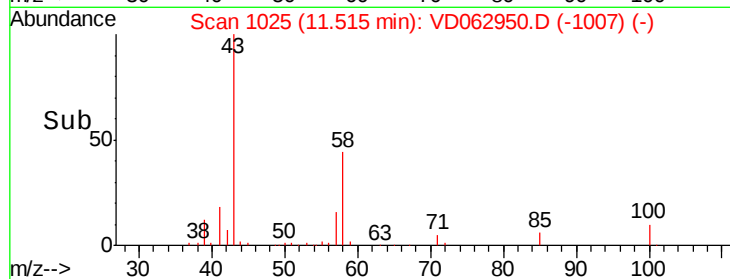
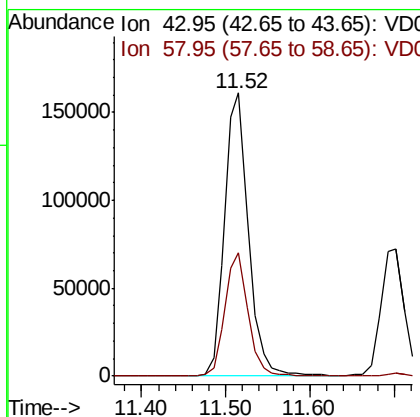
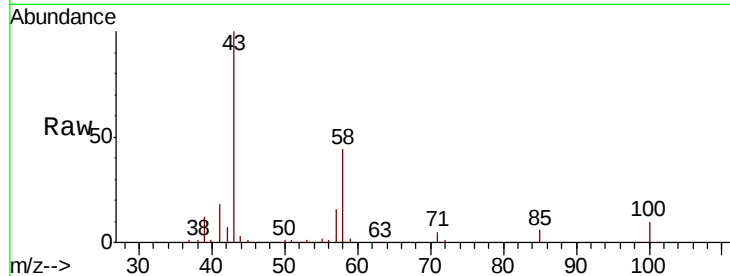




#59
2-Hexanone
Concen: 124.697 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

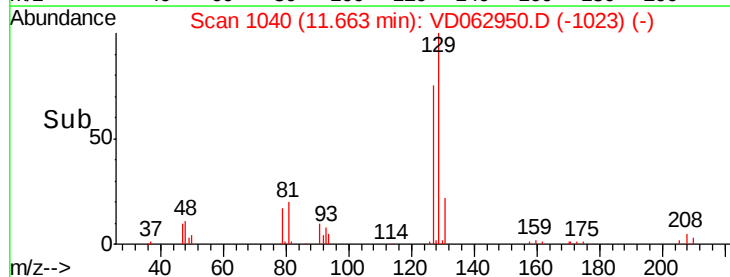
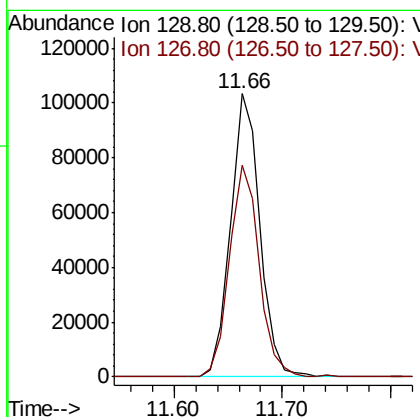
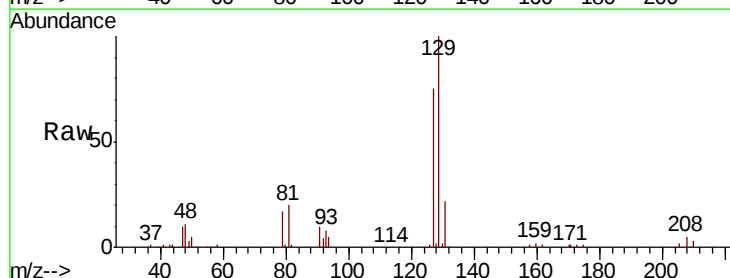
Instrument :
MSVOA_D
ClientSampleId :

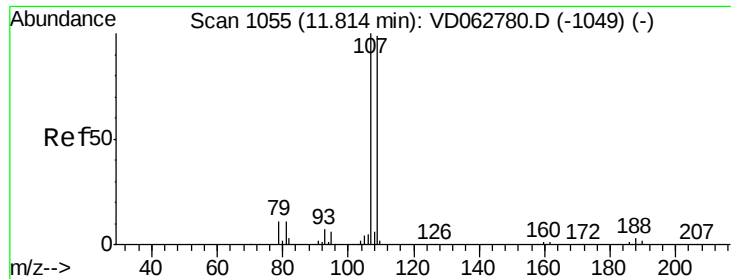
Tot Ion: 43 Resp: 316770
Ion Ratio Lower Upper
43 100
58 43.8 22.4 67.2



#60
Dibromochloromethane
Concen: 23.422 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 129 Resp: 194078
Ion Ratio Lower Upper
129 100
127 74.7 38.9 116.6

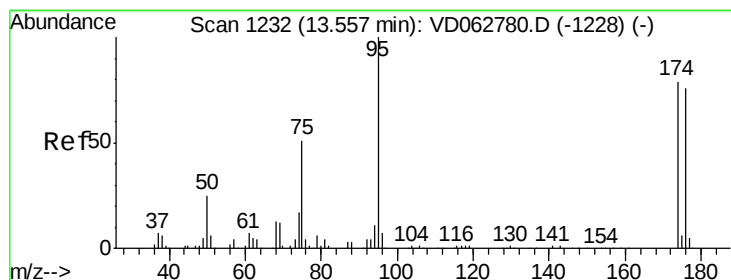
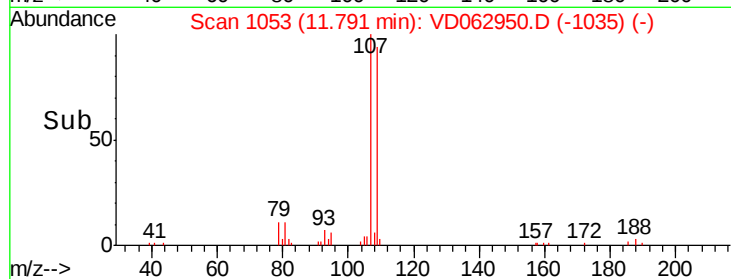
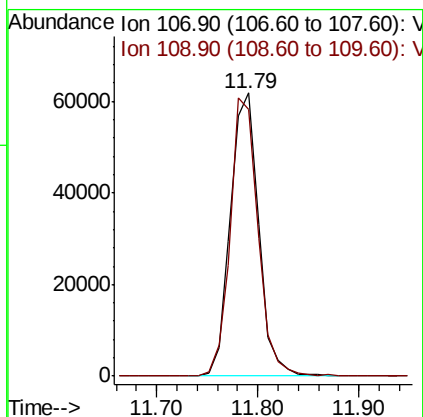
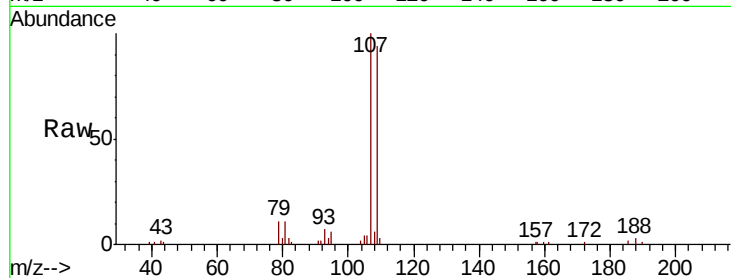




#61
 1,2-Dibromoethane
 Concen: 22.806 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

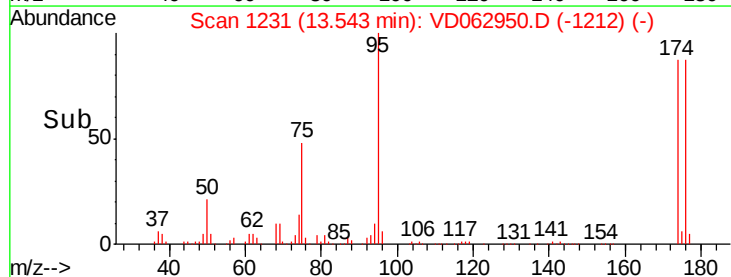
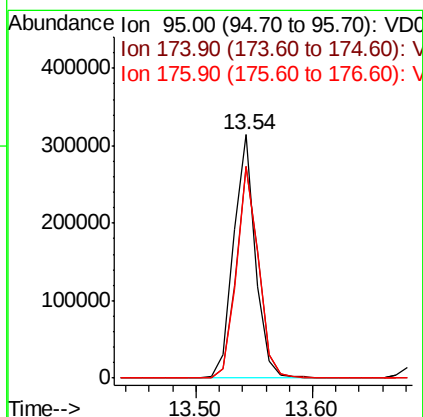
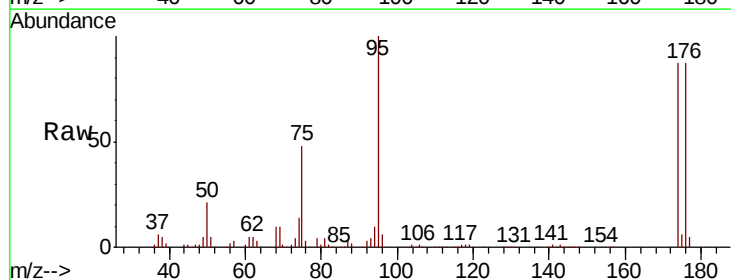
Instrument :
 MSVOA_D
 ClientSampleId :

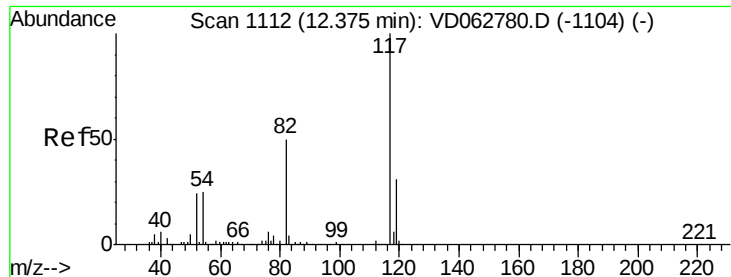
Tot Ion:107 Resp: 119823
 Ion Ratio Lower Upper
 107 100
 109 94.3 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.819 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion: 95 Resp: 404501
 Ion Ratio Lower Upper
 95 100
 174 87.1 0.0 158.0
 176 86.7 0.0 151.6

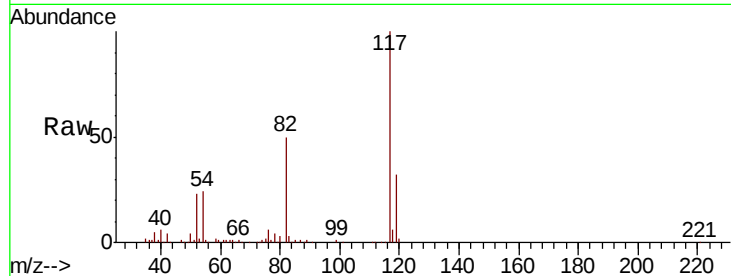




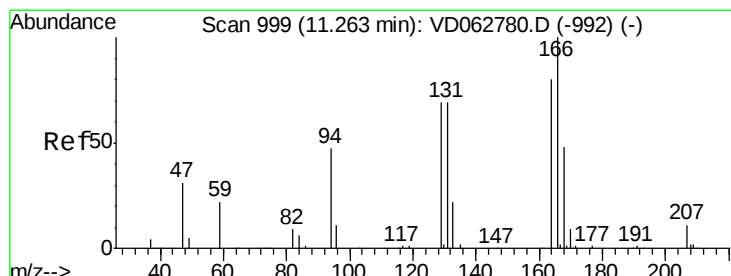
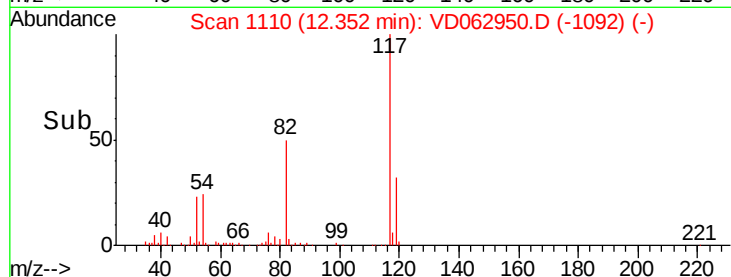
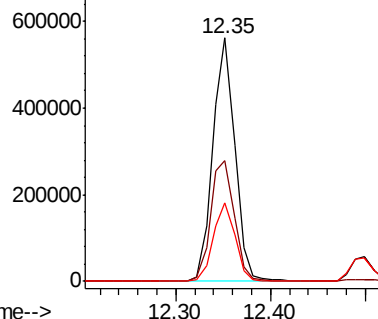
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 905774
Ion Ratio Lower Upper
117 100
82 49.6 40.4 60.6
119 32.0 25.2 37.8

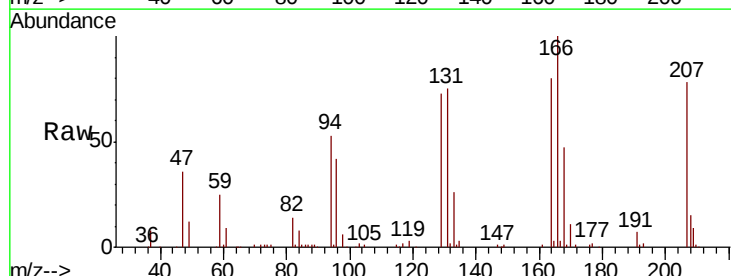


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

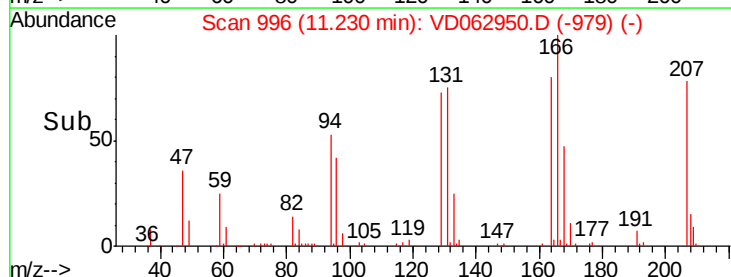
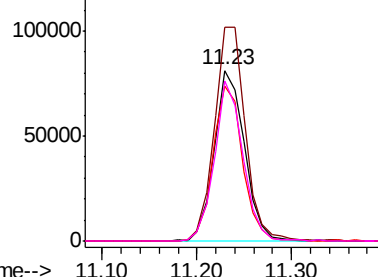


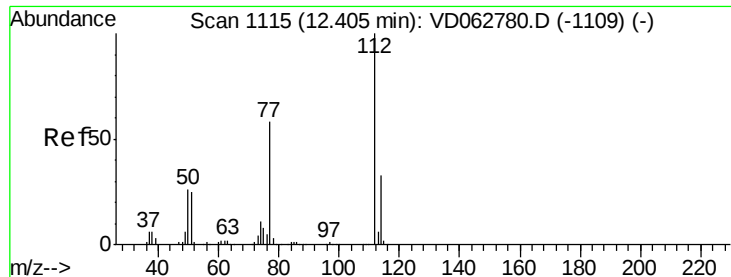
#64
Tetrachloroethene
Concen: 24.052 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion:164 Resp: 179304
Ion Ratio Lower Upper
164 100
166 125.1 100.6 150.8
129 90.9 69.4 104.0
131 93.5 69.3 103.9



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

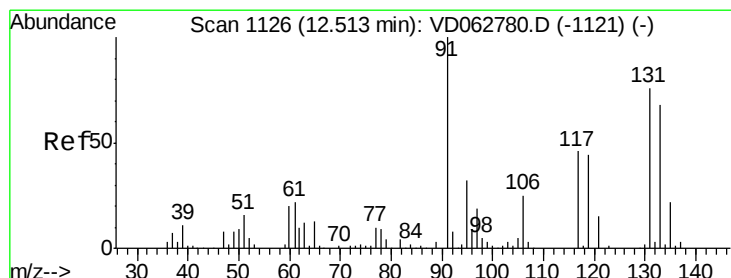
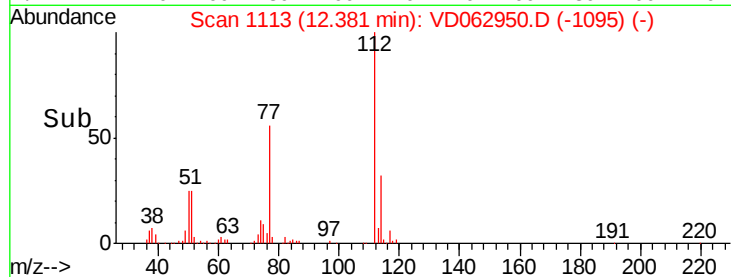
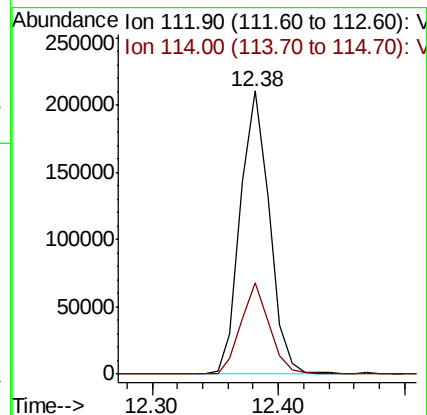
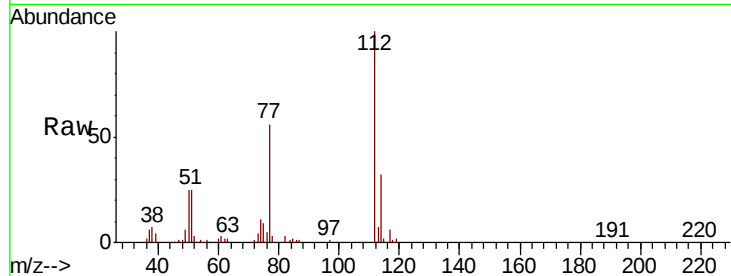




#65
Chlorobenzene
Concen: 19.938 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

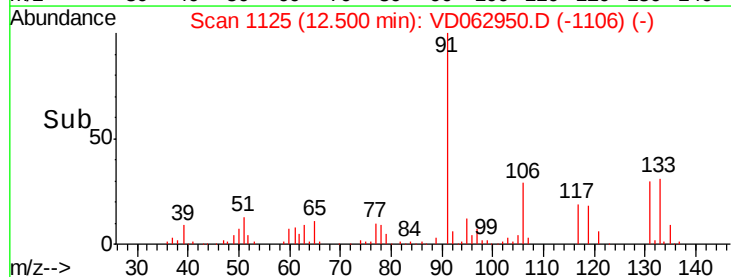
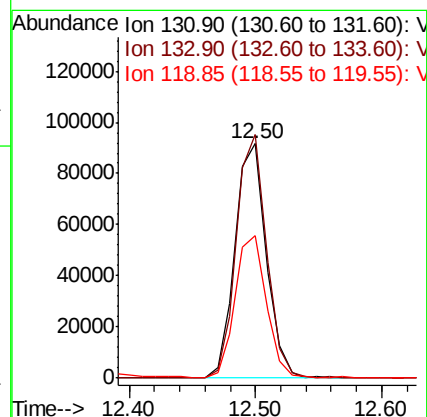
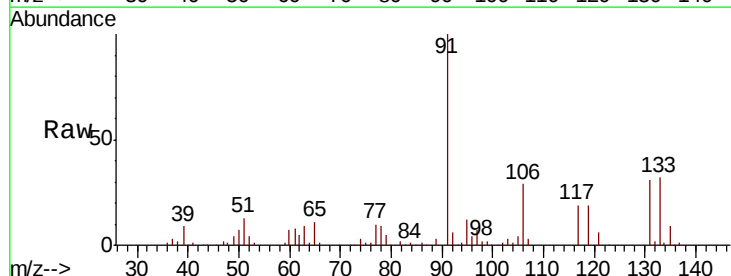
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 335160
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.838 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion:131 Resp: 155958
Ion Ratio Lower Upper
131 100
133 103.8 44.5 133.3
119 60.7 28.6 85.9

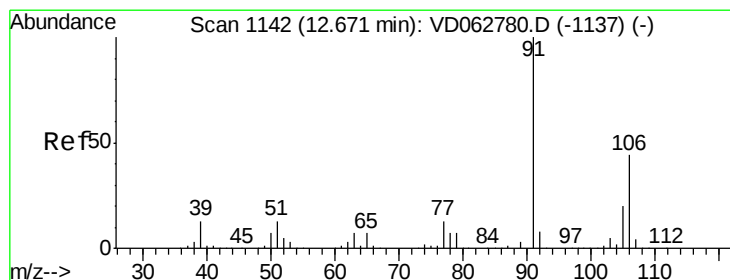
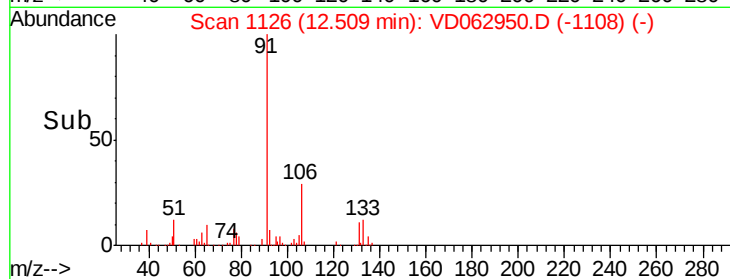
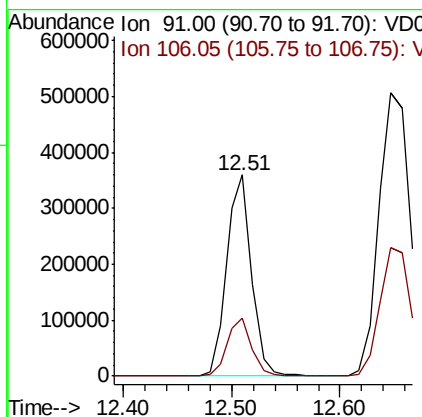
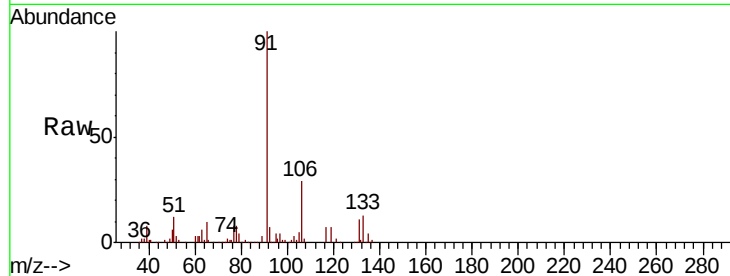




#67
Ethyl Benzene
Concen: 18.958 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

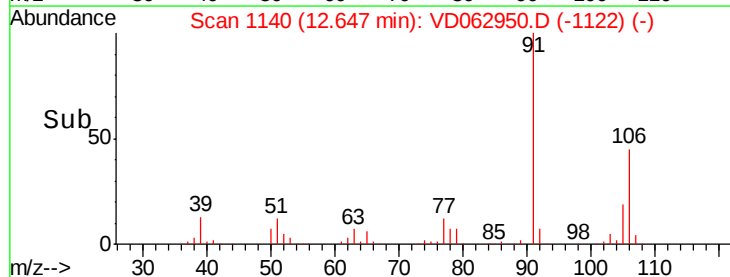
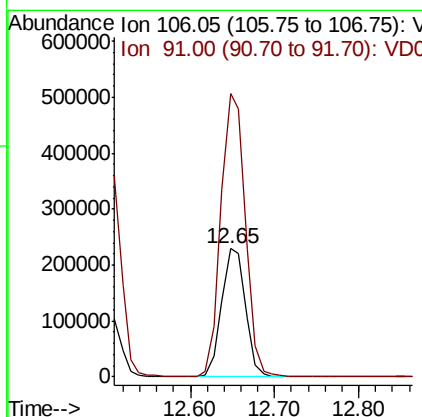
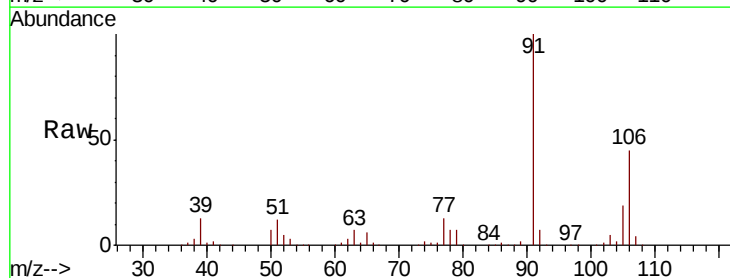
Instrument :
MSVOA_D
ClientSampleID :

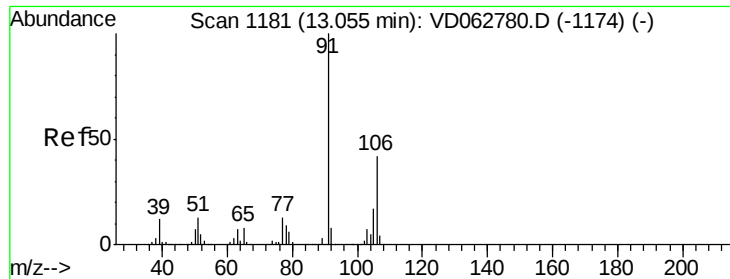
Tot Ion: 91 Resp: 572164
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#68
m/p-Xylenes
Concen: 42.759 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion: 106 Resp: 449473
Ion Ratio Lower Upper
106 100
91 220.5 183.0 274.6

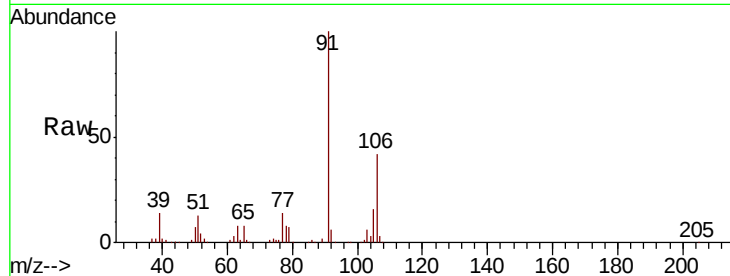




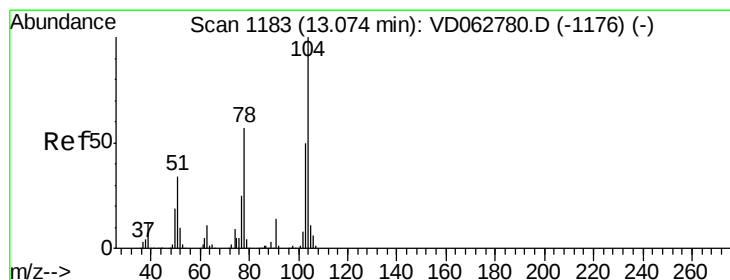
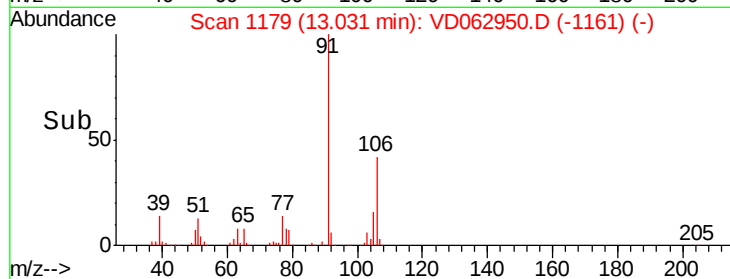
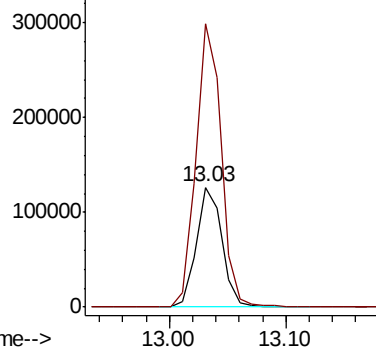
#69
o-Xylene
Concen: 20.017 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 192348
Ion Ratio Lower Upper
106 100
91 236.5 117.9 353.6

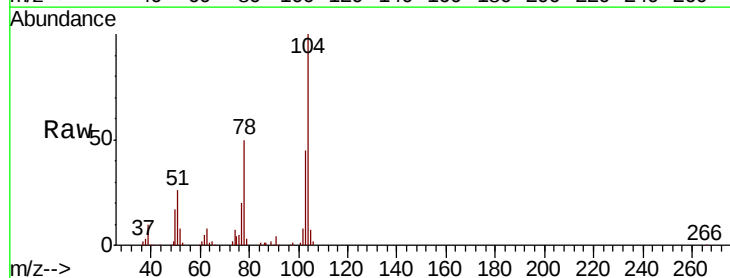


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

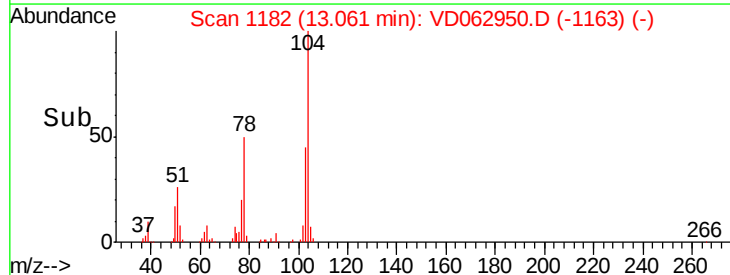
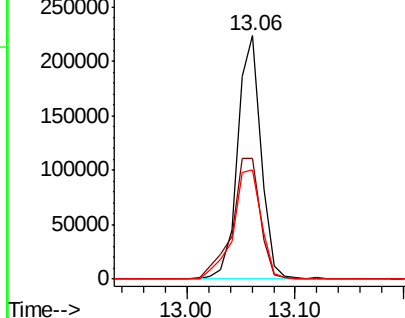


#70
Styrene
Concen: 19.858 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion:104 Resp: 335177
Ion Ratio Lower Upper
104 100
78 49.6 45.4 68.2
103 44.8 39.7 59.5



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





#71

Bromoform

Concen: 20.666 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampleID :

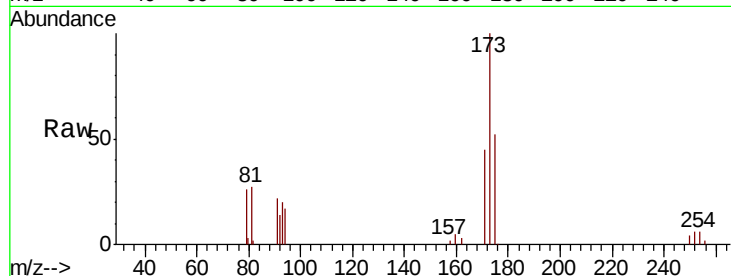
Tot Ion:173 Resp: 111310

Ion Ratio Lower Upper

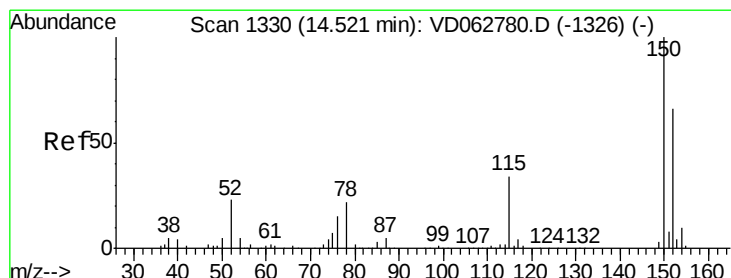
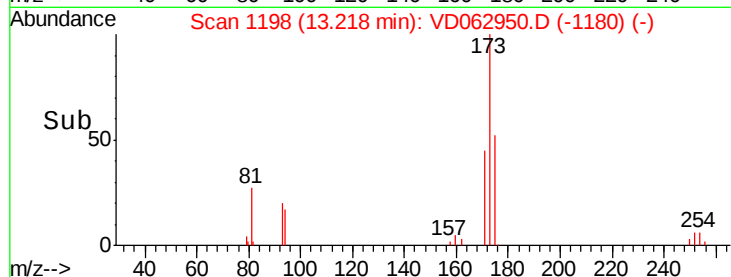
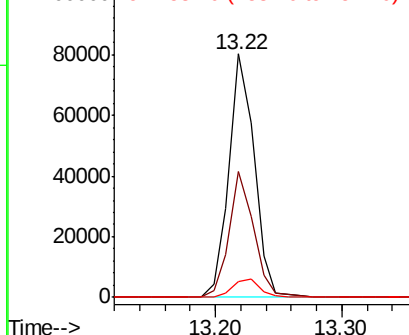
173 100

175 51.8 25.3 75.9

254 6.4 7.1 10.7#



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

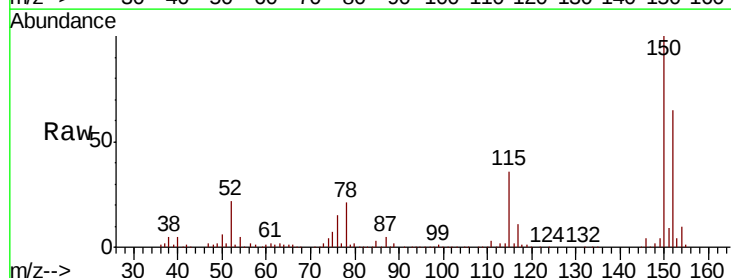
Tgt Ion:152 Resp: 494096

Ion Ratio Lower Upper

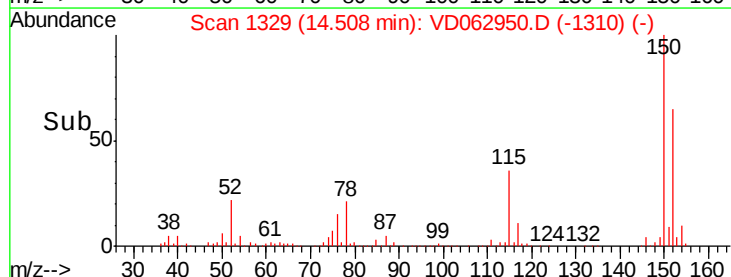
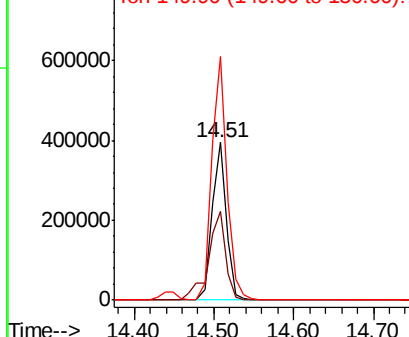
152 100

115 56.2 29.2 87.6

150 154.8 0.0 305.8



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





#73

Isopropylbenzene

Concen: 17.907 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

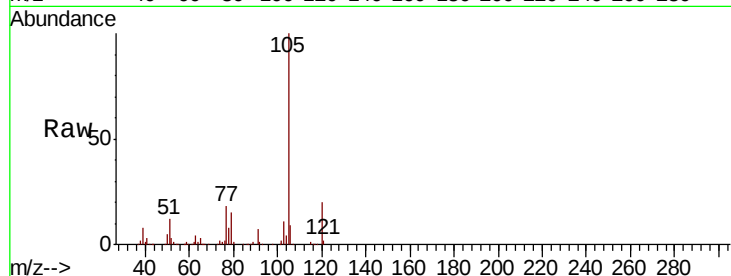
ClientSampleId :

Tot Ion:105 Resp: 567299

Ion Ratio Lower Upper

105 100

120 20.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

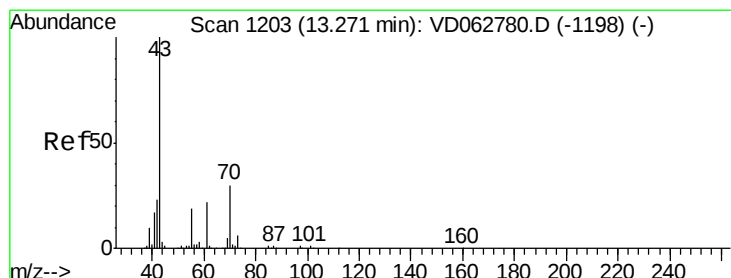
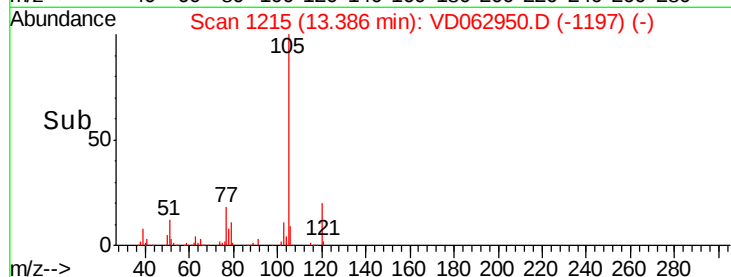
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.613 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Tgt Ion: 43 Resp: 166279

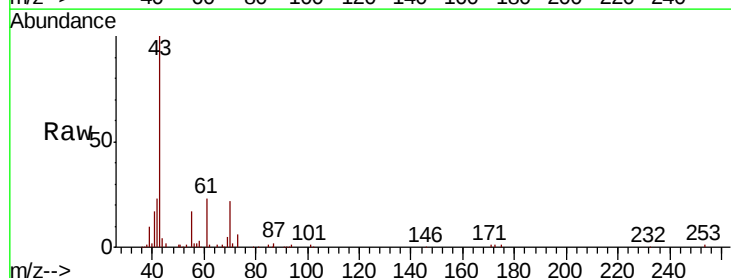
Ion Ratio Lower Upper

43 100

70 22.5 24.4 36.6#

55 17.3 15.2 22.8

61 23.5 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

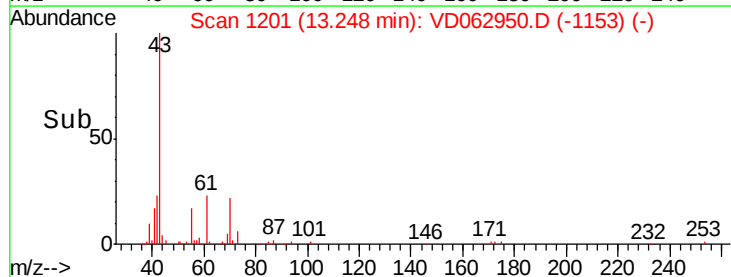
150000

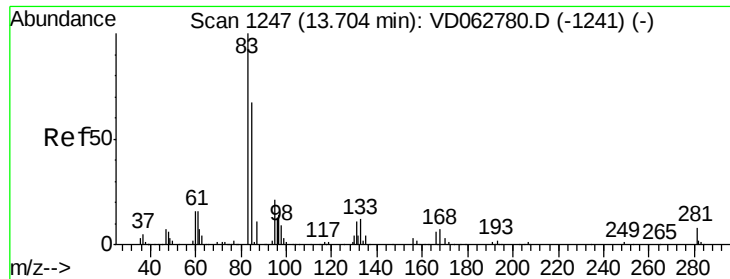
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.042 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

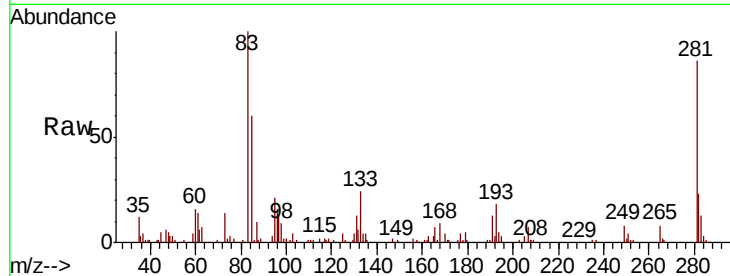
Tot Ion: 83 Resp: 113778

Ion Ratio Lower Upper

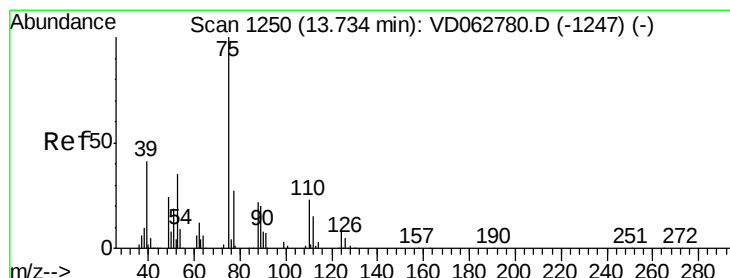
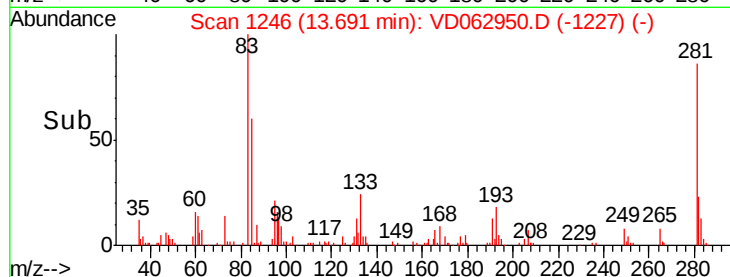
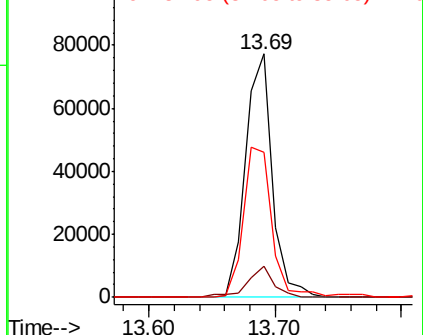
83 100

131 12.9 5.3 16.1

85 59.7 33.7 101.1



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: 22.777 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062950.D

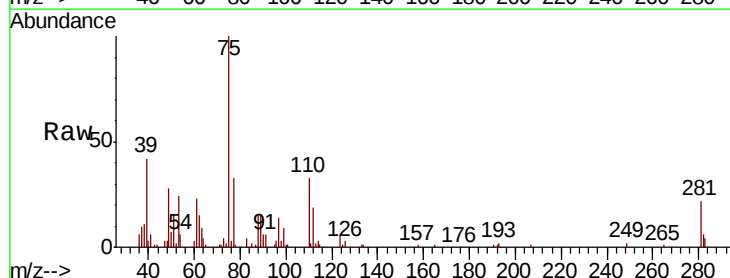
Acq: 28 Jun 2019 2:28

Tgt Ion: 75 Resp: 129919

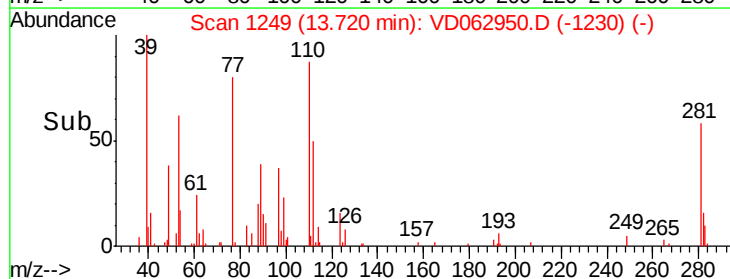
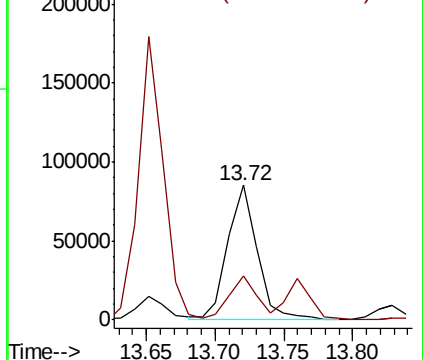
Ion Ratio Lower Upper

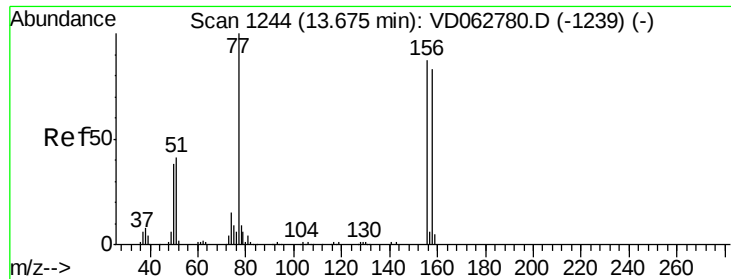
75 100

77 32.9 15.0 45.1



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





#77

Bromobenzene

Concen: 21.033 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

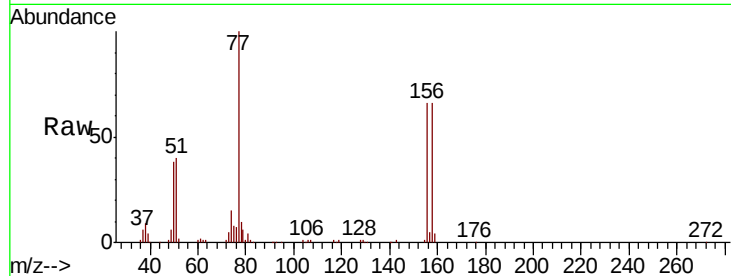
Tot Ion:156 Resp: 179221

Ion Ratio Lower Upper

156 100

77 150.5 57.7 173.1

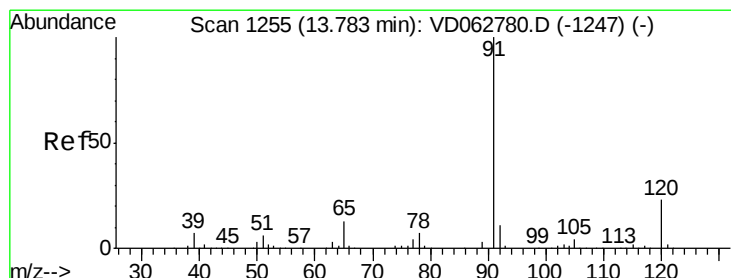
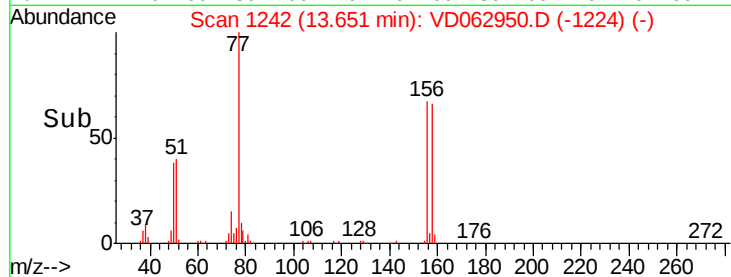
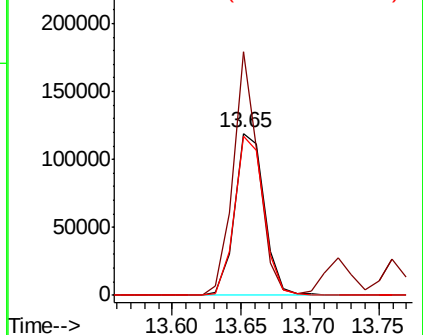
158 98.8 47.7 143.1



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: 19.378 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062950.D

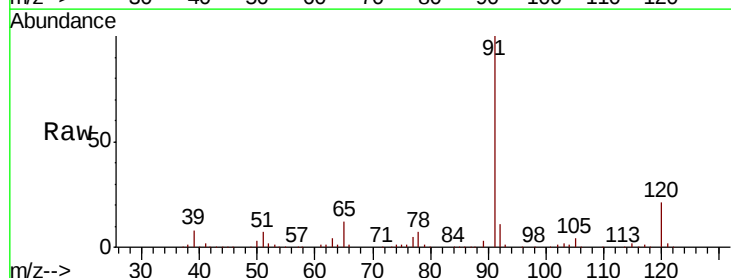
Acq: 28 Jun 2019 2:28

Tgt Ion: 91 Resp: 714514

Ion Ratio Lower Upper

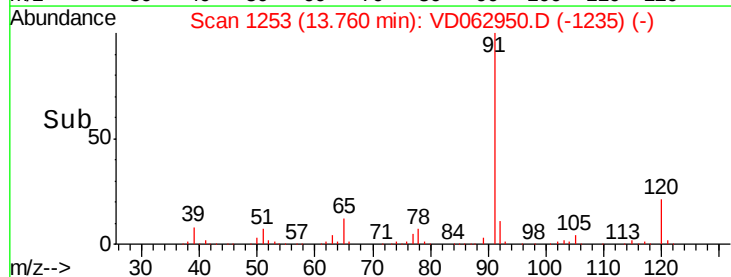
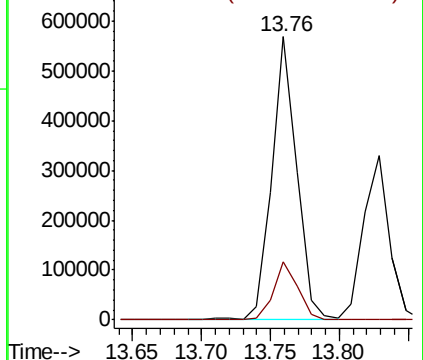
91 100

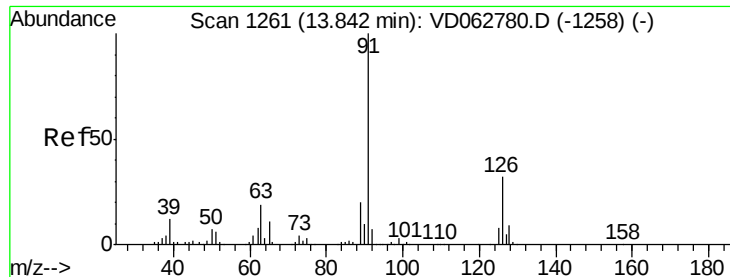
120 20.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

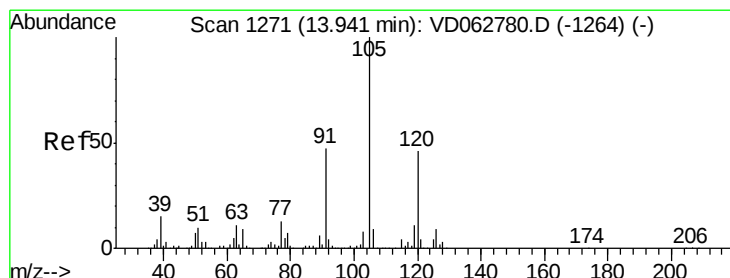
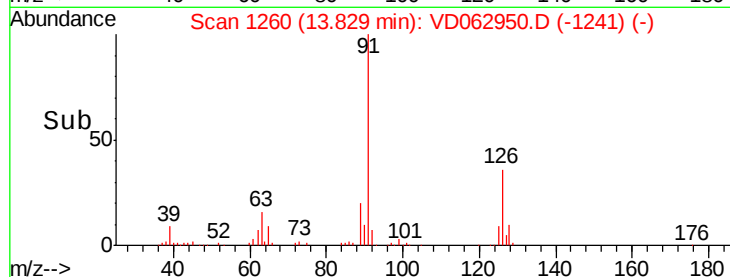
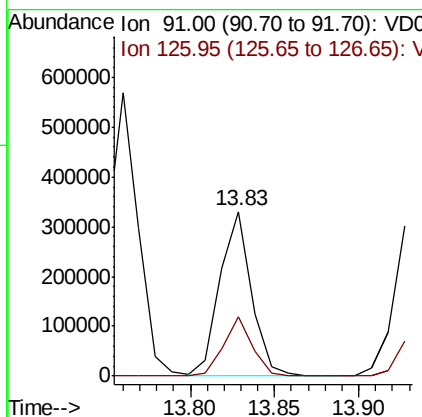
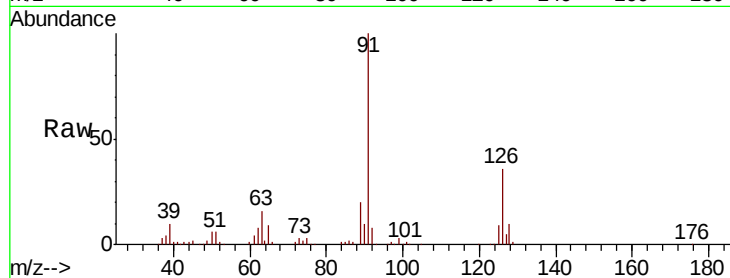




#79
 2-Chlorotoluene
 Concen: 20.490 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

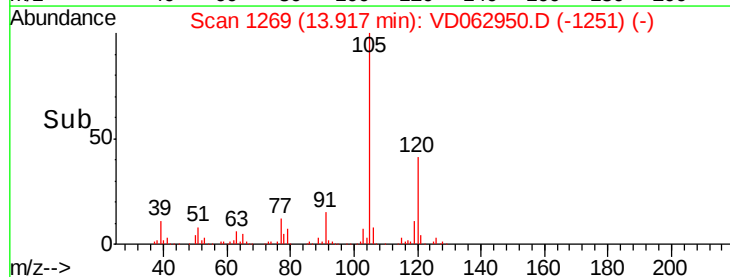
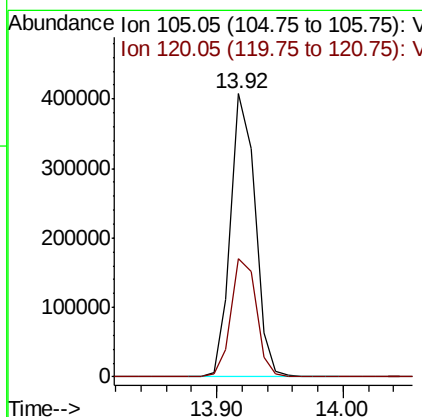
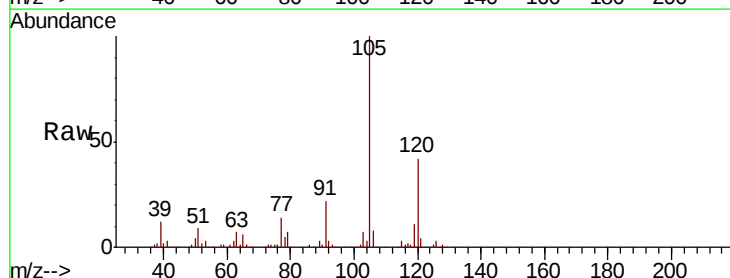
Instrument :
 MSVOA_D
 ClientSampleId :

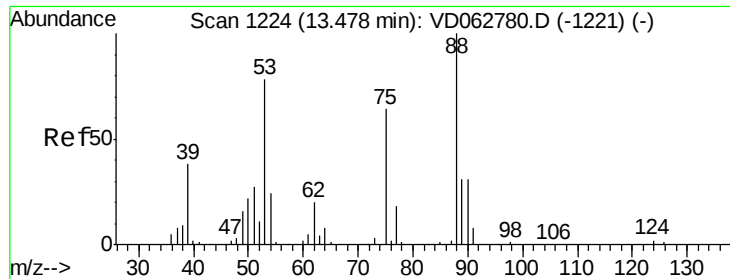
Tot Ion: 91 Resp: 431781
 Ion Ratio Lower Upper
 91 100
 126 35.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.597 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion: 105 Resp: 548088
 Ion Ratio Lower Upper
 105 100
 120 41.6 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.535 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

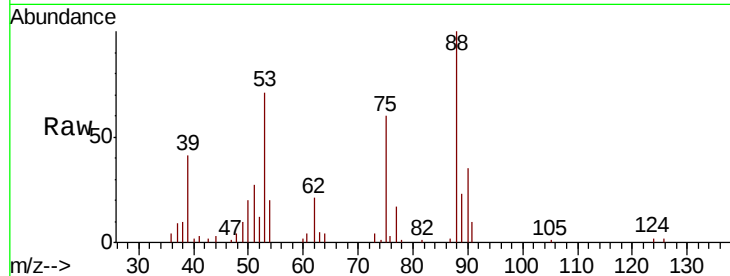
Tot Ion: 75 Resp: 29203

Ion Ratio Lower Upper

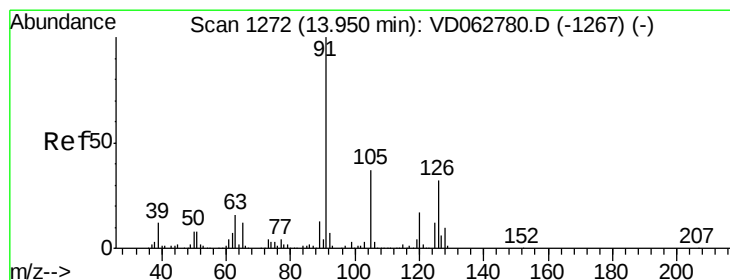
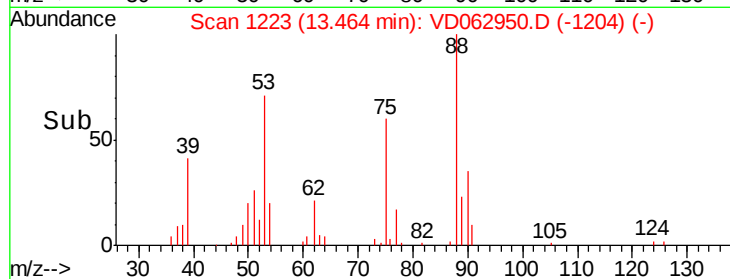
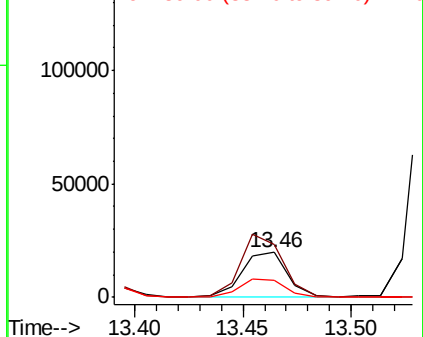
75 100

53 119.1 97.8 146.8

89 37.9 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.392 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062950.D

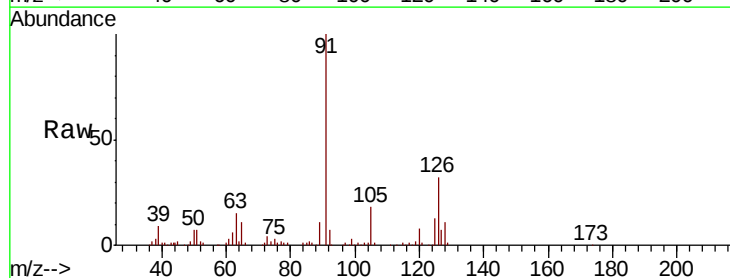
Acq: 28 Jun 2019 2:28

Tgt Ion: 91 Resp: 517324

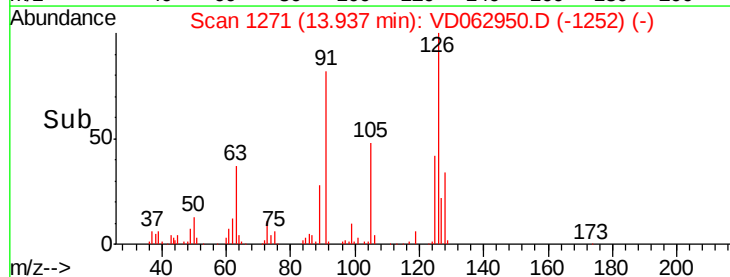
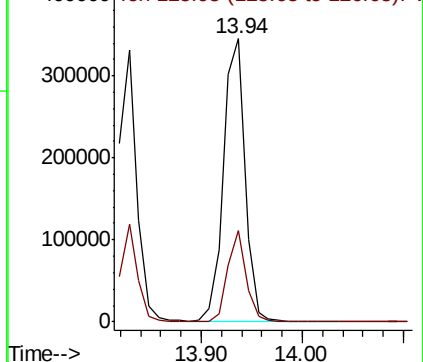
Ion Ratio Lower Upper

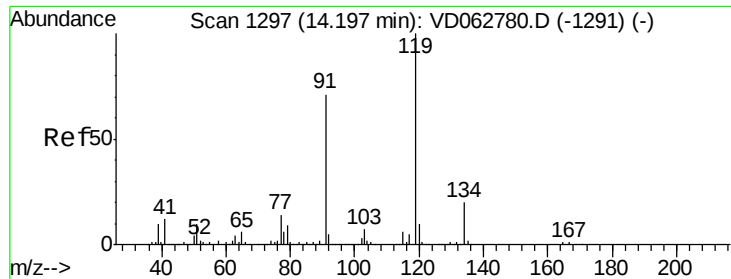
91 100

126 32.2 16.0 47.9



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

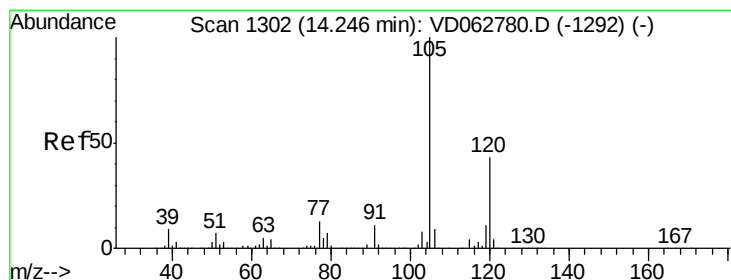
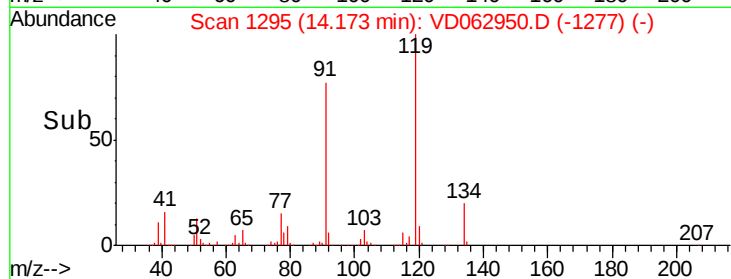
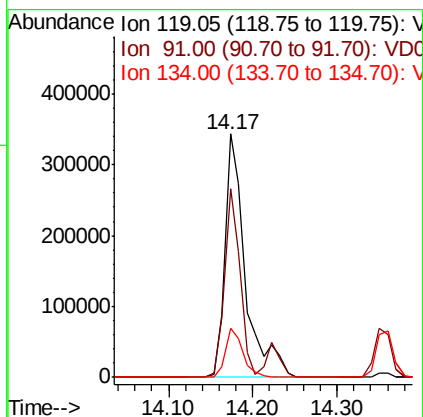
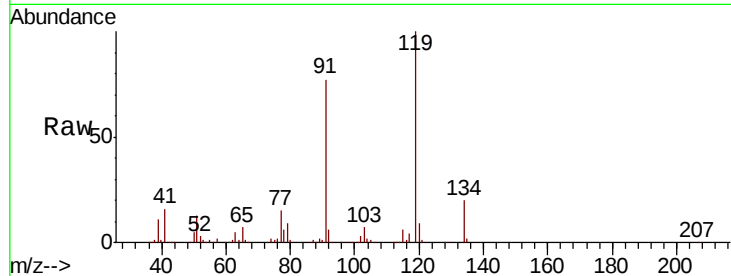




#83
 tert-Butylbenzene
 Concen: 19.411 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

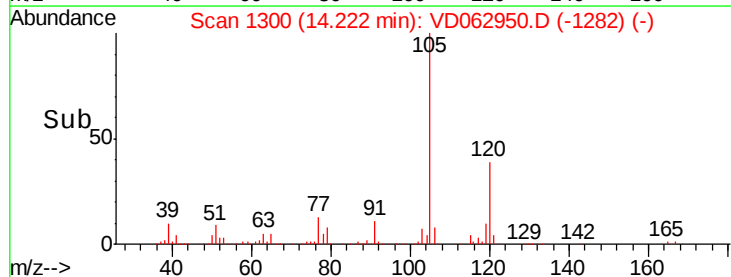
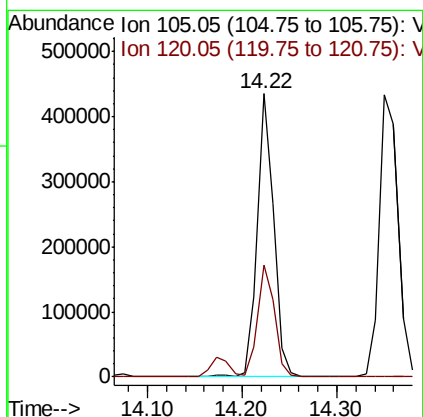
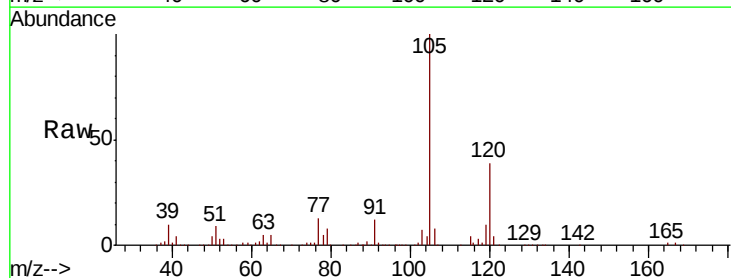
Instrument :
 MSVOA_D
 ClientSampled :

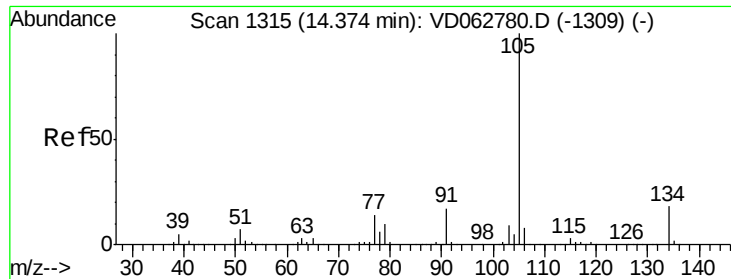
Tot Ion:119 Resp: 575745
 Ion Ratio Lower Upper
 119 100
 91 77.2 35.5 106.5
 134 20.1 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.372 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion:105 Resp: 528375
 Ion Ratio Lower Upper
 105 100
 120 39.3 21.3 63.9

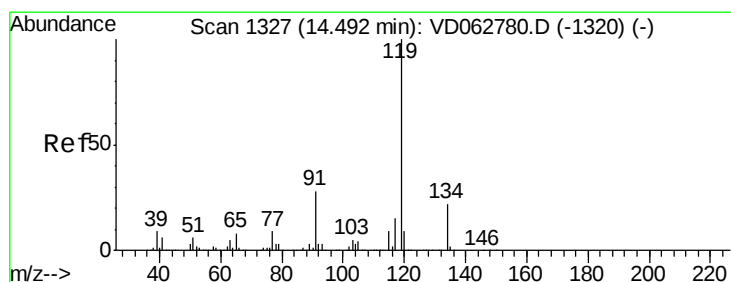
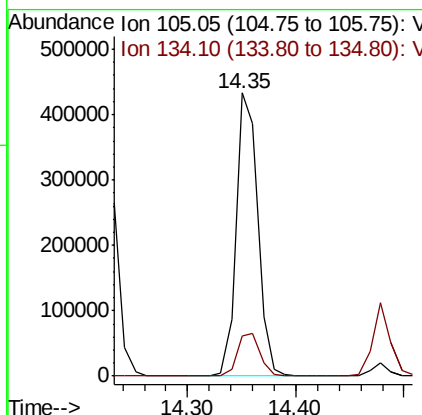
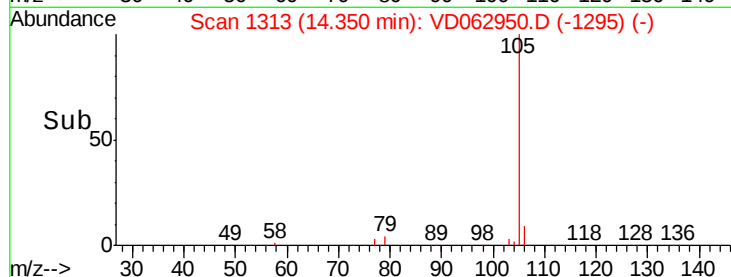
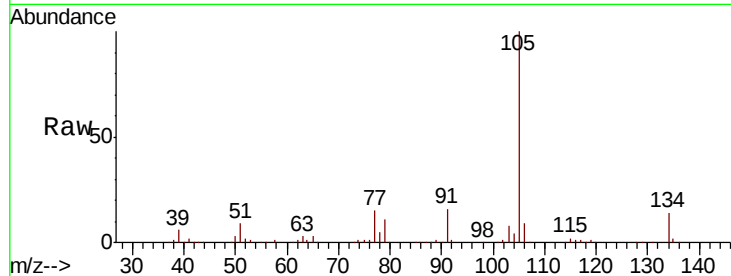




#85
 sec-Butylbenzene
 Concen: 18.708 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

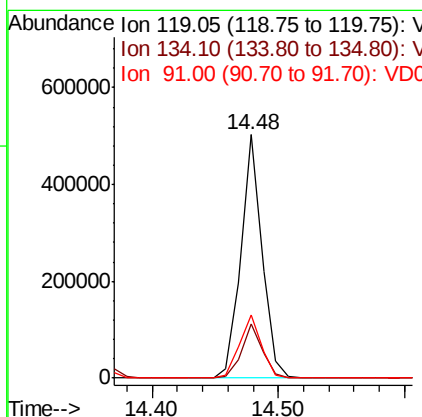
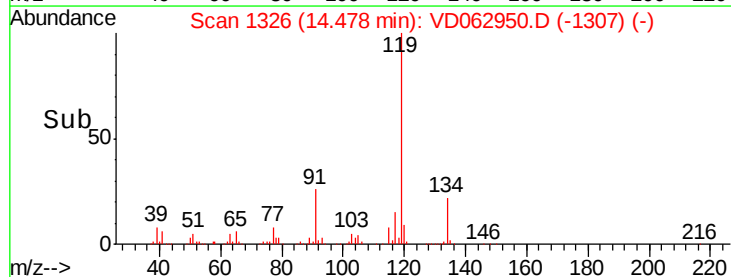
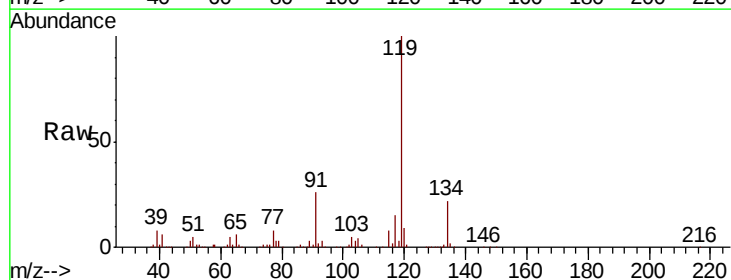
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 603112
 Ion Ratio Lower Upper
 105 100
 134 14.0 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 19.702 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion:119 Resp: 581056
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.1 33.1
 91 26.1 14.0 41.9

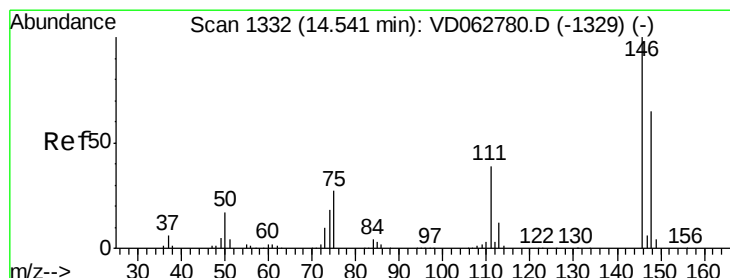
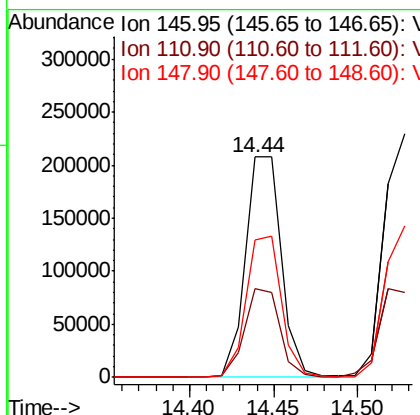
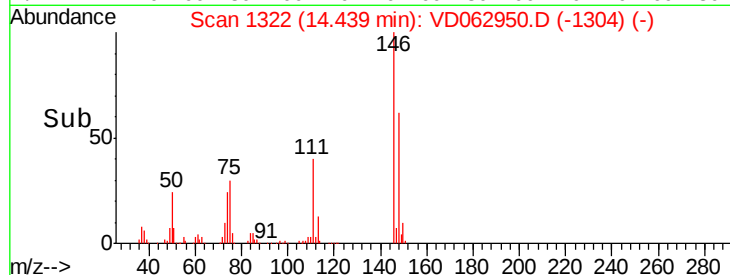
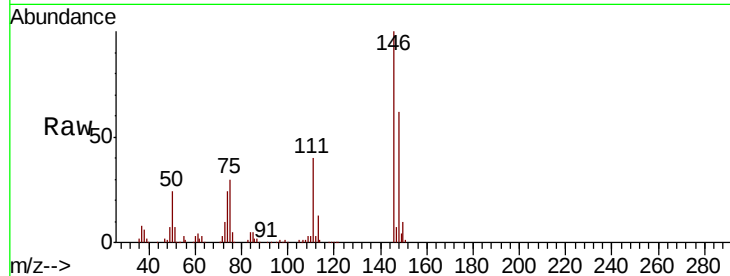




#87
 1,3-Dichlorobenzene
 Concen: 20.213 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

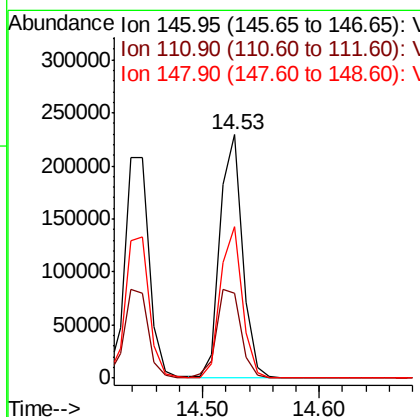
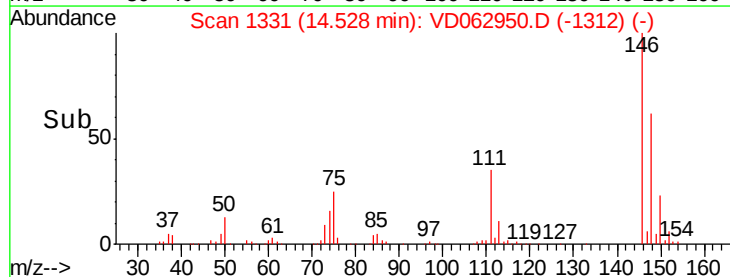
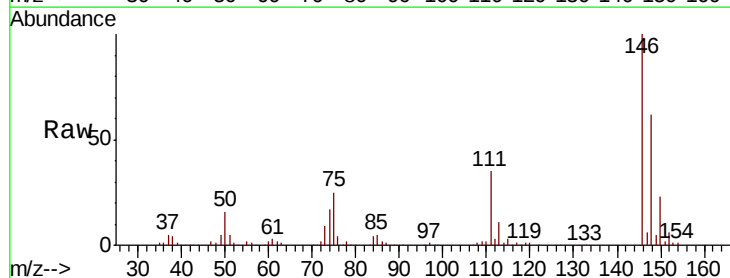
Instrument :
 MSVOA_D
 ClientSampled :

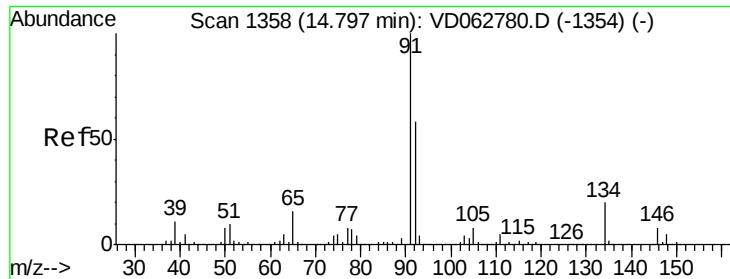
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.0	57.0
148	62.2	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 20.099 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	19.7	59.1
148	62.4	32.8	98.3





#89

n-Butylbenzene

Concen: 19.532 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

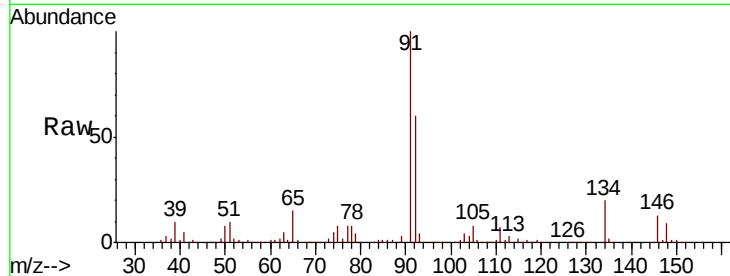
Tot Ion: 91 Resp: 539169

Ion Ratio Lower Upper

91 100

92 59.9 28.9 86.7

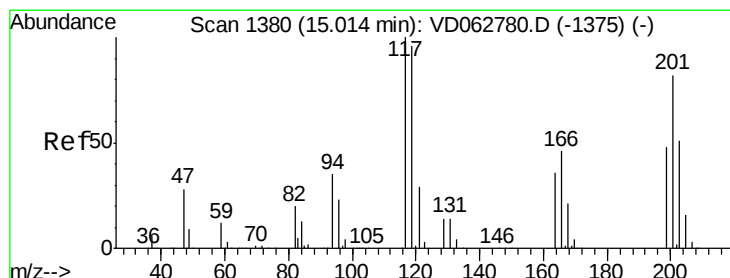
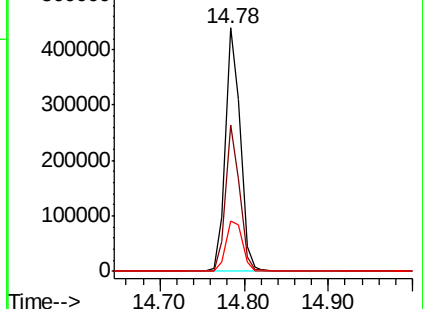
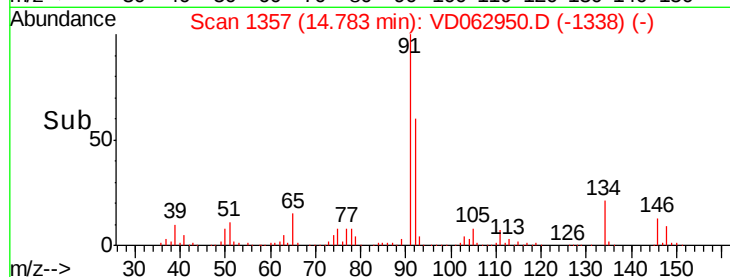
134 20.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.399 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062950.D

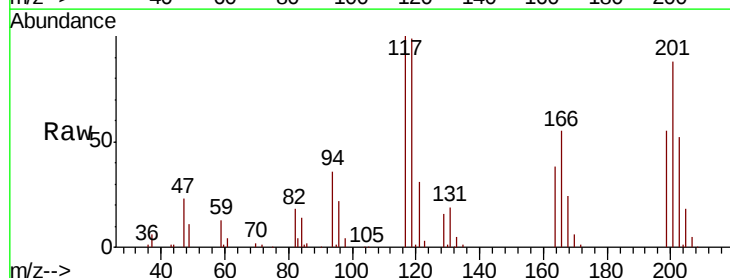
Acq: 28 Jun 2019 2:28

Tgt Ion: 117 Resp: 153831

Ion Ratio Lower Upper

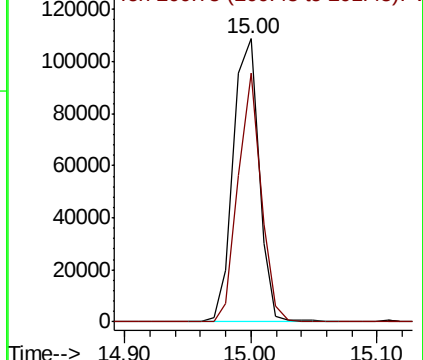
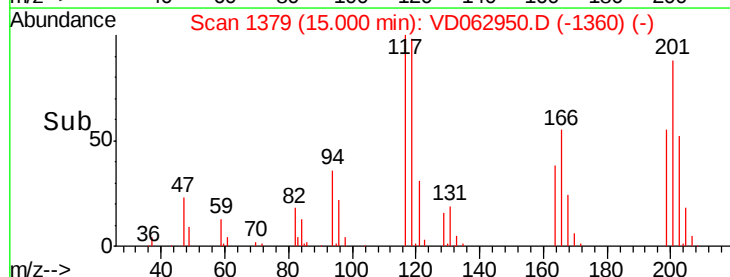
117 100

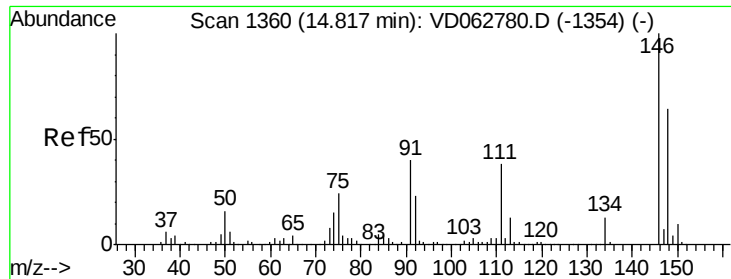
201 87.9 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 22.189 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

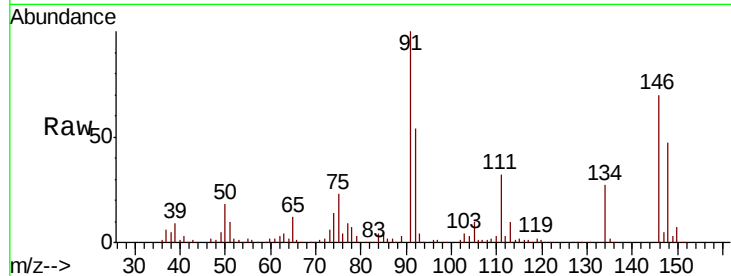
Tot Ion:146 Resp: 289981

Ion Ratio Lower Upper

146 100

111 45.9 19.1 57.1

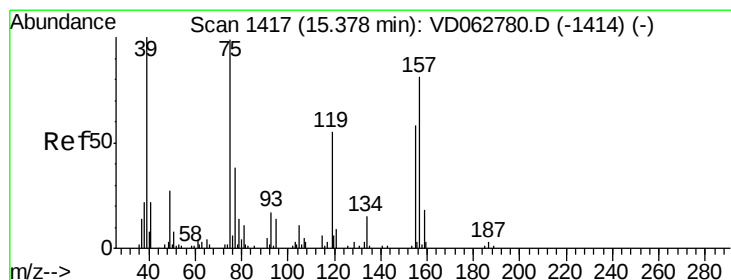
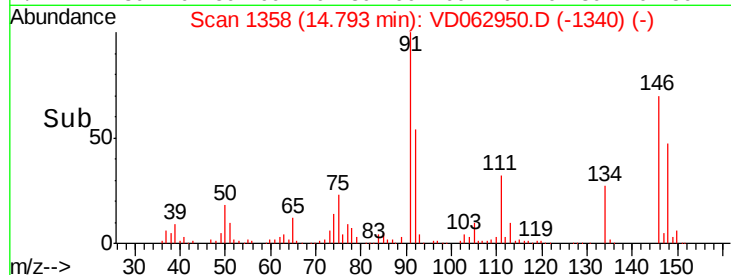
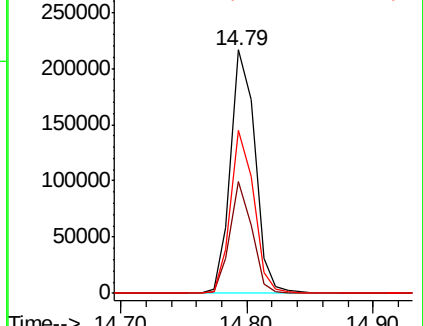
148 67.1 32.3 96.8



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: 23.339 ug/l

RT: 15.36 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VD062950.D

Acq: 28 Jun 2019 2:28

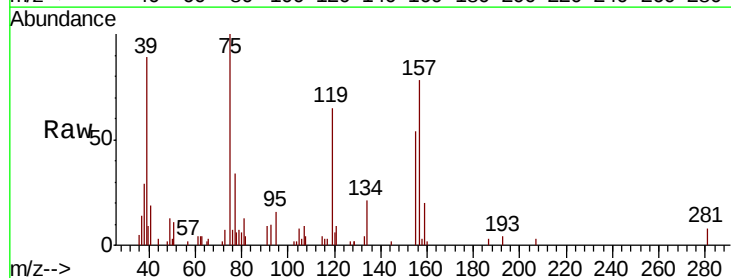
Tgt Ion: 75 Resp: 23514

Ion Ratio Lower Upper

75 100

155 53.6 29.3 87.8

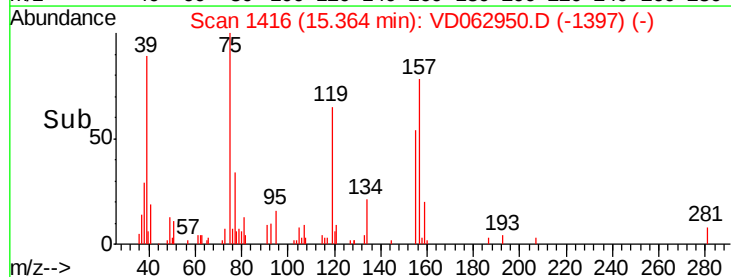
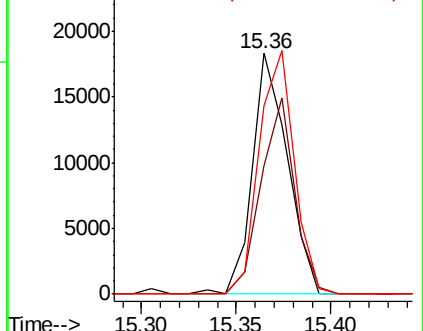
157 78.4 41.3 123.7

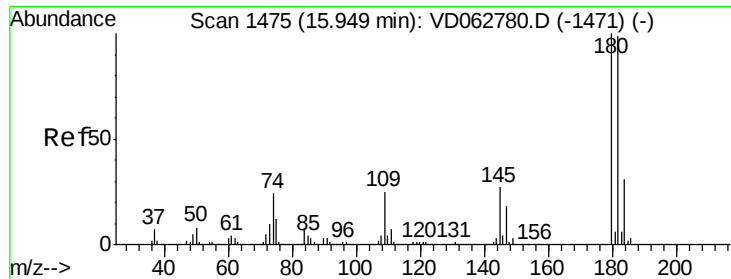


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

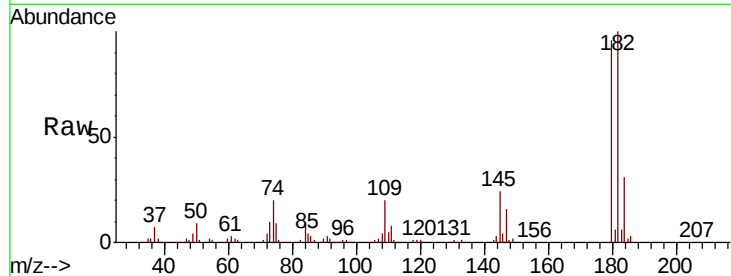




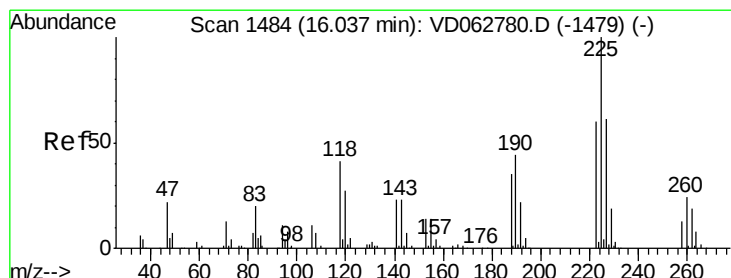
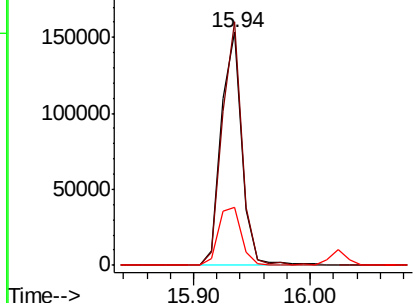
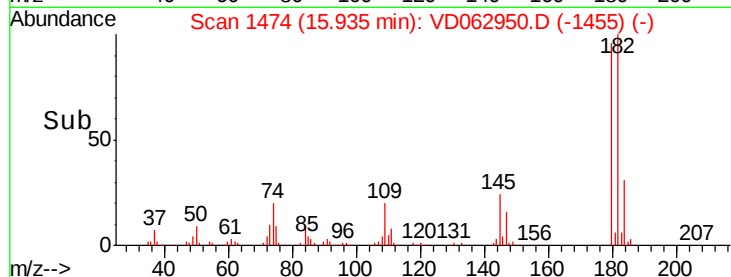
#93
 1,2,4-Trichlorobenzene
 Concen: 18.497 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 188836
 Ion Ratio Lower Upper
 180 100
 182 104.5 49.5 148.5
 145 25.1 13.7 41.0

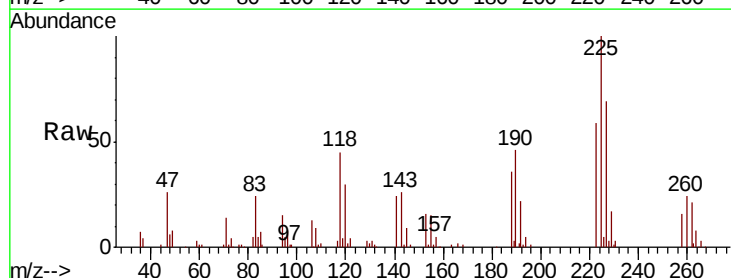


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

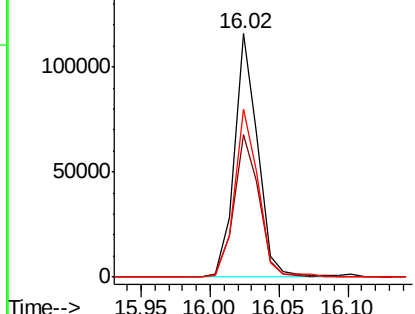
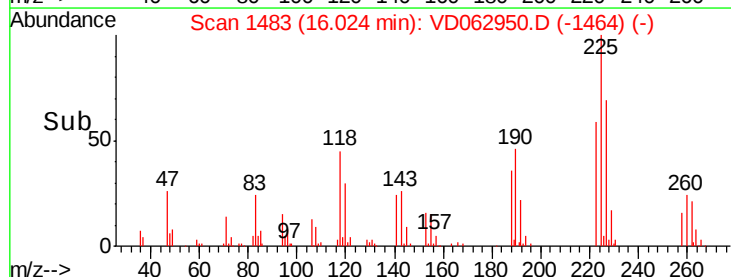


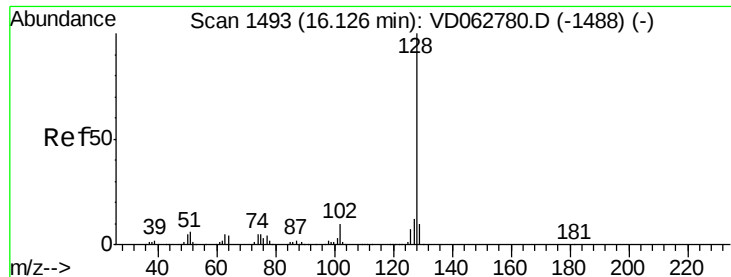
#94
 Hexachlorobutadiene
 Concen: 17.446 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062950.D
 Acq: 28 Jun 2019 2:28

Tgt Ion:225 Resp: 136065
 Ion Ratio Lower Upper
 225 100
 223 58.6 29.8 89.5
 227 69.3 30.6 91.6



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

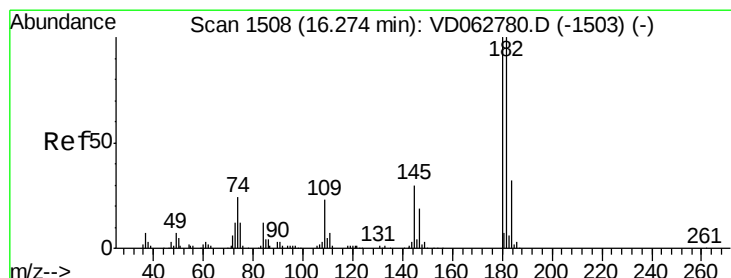
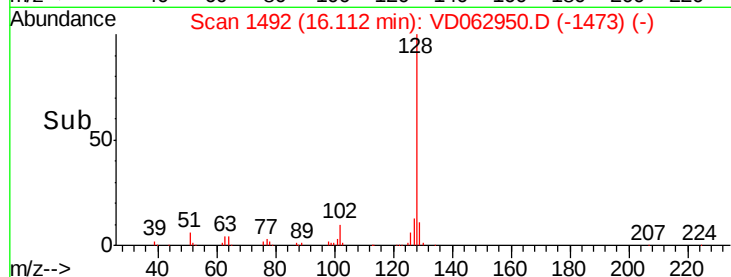
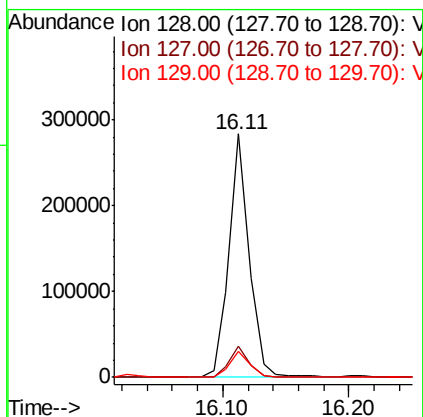
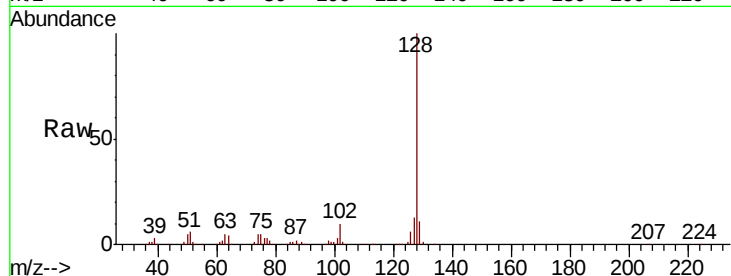




#95
Naphthalene
Concen: 21.926 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 313732
Ion Ratio Lower Upper
128 100
127 13.0 9.7 14.5
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.676 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062950.D
Acq: 28 Jun 2019 2:28

Tgt Ion:180 Resp: 162179
Ion Ratio Lower Upper
180 100
182 99.5 49.9 149.6
145 29.7 15.2 45.5

