

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062924.D
 Acq On : 27 Jun 2019 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:19:08 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	7.02	168	681880	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	847434	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	780023	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	445293	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	398098	53.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	6.90	113	370115	51.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.39	98	815844	52.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	13.54	95	393248	55.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	404237	45.812	ug/l	97
3) Chloromethane	1.74	50	285900	43.083	ug/l	96
4) Vinyl Chloride	1.83	62	303224	46.085	ug/l	99
5) Bromomethane	2.13	94	164704	53.452	ug/l	96
6) Chloroethane	2.25	64	152327	51.137	ug/l	91
7) Trichlorofluoromethane	2.52	101	720516	54.110	ug/l	94
8) Diethyl Ether	2.85	74	76644	45.301	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	341843	47.387	ug/l	91
10) Methyl Iodide	3.28	142	408810	42.955	ug/l	91
11) Tert butyl alcohol	4.06	59	78638	232.950	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	255240	47.165	ug/l	87
13) Acrolein	3.02	56	66154	191.960	ug/l	98
14) Allyl chloride	3.59	41	355594	44.470	ug/l	87
15) Acrylonitrile	4.17	53	168938	212.981	ug/l	96
16) Acetone	3.20	43	384003	255.636	ug/l #	93
17) Carbon Disulfide	3.35	76	697168	40.309	ug/l #	94
18) Methyl Acetate	3.62	43	96401	43.085	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	577973	49.335	ug/l	94
20) Methylene Chloride	3.79	84	250039	44.234	ug/l	89
21) trans-1,2-Dichloroethene	4.19	96	267415	46.409	ug/l	97
22) Diisopropyl ether	5.09	45	762064	46.863	ug/l	92
23) Vinyl Acetate	5.03	43	2490943	244.796	ug/l	100
24) 1,1-Dichloroethane	4.96	63	474552	44.822	ug/l	99
25) 2-Butanone	6.04	43	348858	251.655	ug/l	98
26) 2,2-Dichloropropane	5.99	77	588306	52.423	ug/l	96
27) cis-1,2-Dichloroethene	6.00	96	265150	43.514	ug/l	88
28) Bromochloromethane	6.42	49	193300	51.838	ug/l	97
29) Tetrahydrofuran	6.44	42	145733	222.191	ug/l	96
30) Chloroform	6.63	83	665309	51.670	ug/l	94
31) Cyclohexane	6.93	56	307901	44.237	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	726855	54.197	ug/l	95
36) 1,1-Dichloropropene	7.12	75	427787	53.326	ug/l	97
37) Ethyl Acetate	6.16	43	156487	46.357	ug/l	96
38) Carbon Tetrachloride	7.09	117	772895	64.061	ug/l	97

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 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)
39) Methylcyclohexane	8.84	83	354936	50.264	ug/l	97
40) Benzene	7.43	78	832100	51.674	ug/l	97
41) Methacrylonitrile	6.43	41	210749	49.816	ug/l #	88
42) 1,2-Dichloroethane	7.55	62	523119	59.550	ug/l	96
43) Isopropyl Acetate	9.22	43	237722	56.523	ug/l #	93
44) Trichloroethene	8.52	130	324312	51.372	ug/l	93
45) 1,2-Dichloropropane	8.92	63	204790	51.145	ug/l	96
46) Dibromomethane	9.04	93	191583	55.700	ug/l	99
47) Bromodichloromethane	9.35	83	540467	60.503	ug/l	98
48) Methyl methacrylate	9.10	41	163090	54.568	ug/l	93
49) 1,4-Dioxane	9.06	88	27689	1113.563	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	826739	277.257	ug/l	94
52) Toluene	10.49	92	590991	54.598	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	441874	60.436	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	449871	56.609	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	201314	54.133	ug/l	95
56) Ethyl methacrylate	11.02	69	219412	55.208	ug/l	91
57) 1,3-Dichloropropane	11.39	76	306751	53.871	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	551550	270.322	ug/l	96
59) 2-Hexanone	11.52	43	613890	289.074	ug/l	99
60) Dibromochloromethane	11.67	129	388253	56.050	ug/l	99
61) 1,2-Dibromoethane	11.79	107	244674	55.707	ug/l	94
64) Tetrachloroethene	11.24	164	331948	51.707	ug/l	96
65) Chlorobenzene	12.38	112	687172	47.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	361498	53.397	ug/l	94
67) Ethyl Benzene	12.51	91	1321280	50.837	ug/l	95
68) m/p-Xylenes	12.65	106	901659	99.605	ug/l	91
69) o-Xylene	13.04	106	455182	55.006	ug/l	99
70) Styrene	13.06	104	796092	54.770	ug/l	96
71) Bromoform	13.22	173	249077	53.699	ug/l	95
73) Isopropylbenzene	13.40	105	1360433	47.649	ug/l	100
74) N-amyl acetate	13.26	43	360856	52.044	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	238051	51.172	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	262343	51.034	ug/l	97
77) Bromobenzene	13.66	156	368270	47.955	ug/l	96
78) n-propylbenzene	13.76	91	1670823	50.279	ug/l	92
79) 2-Chlorotoluene	13.83	91	977680	51.481	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1237182	51.588	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	68601	50.919	ug/l	91
82) 4-Chlorotoluene	13.94	91	1208702	52.866	ug/l	98
83) tert-Butylbenzene	14.18	119	1420627	53.144	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1201446	48.878	ug/l	96
85) sec-Butylbenzene	14.36	105	1434010	49.357	ug/l	99
86) p-Isopropyltoluene	14.48	119	1263962	47.554	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	761428	55.312	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	715677	51.761	ug/l	98
89) n-Butylbenzene	14.79	91	1265847	50.883	ug/l	96
90) Hexachloroethane	15.00	117	384485	53.801	ug/l	98
91) 1,2-Dichlorobenzene	14.79	146	618921	52.549	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	55236	60.834	ug/l #	49

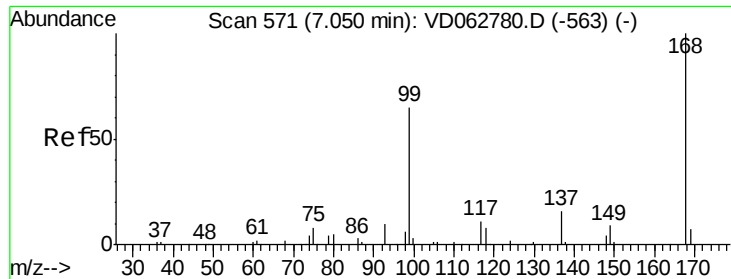
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	472959	51.406	ug/l	99
94) Hexachlorobutadiene	16.02	225	376024	53.498	ug/l	99
95) Naphthalene	16.11	128	711580	55.181	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	364819	51.608	ug/l	99

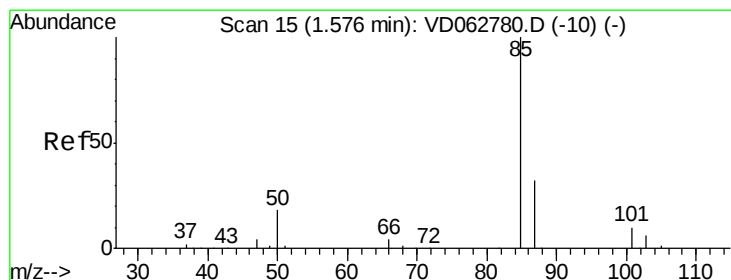
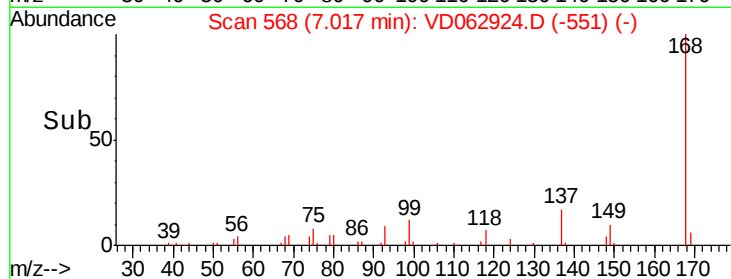
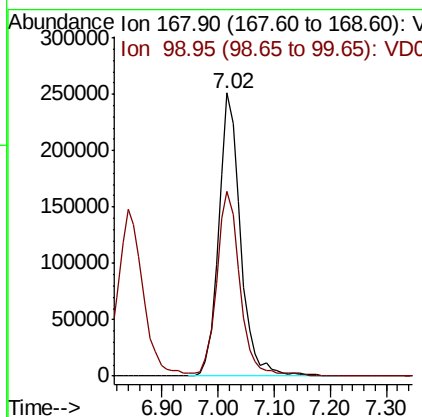
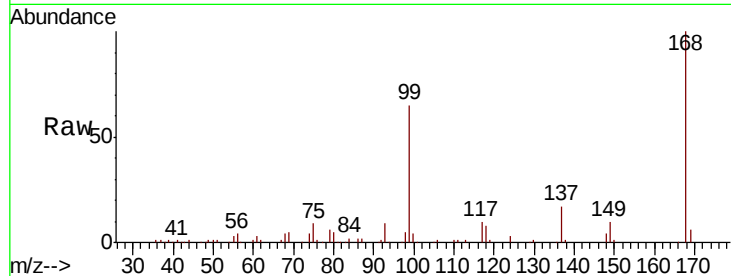
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

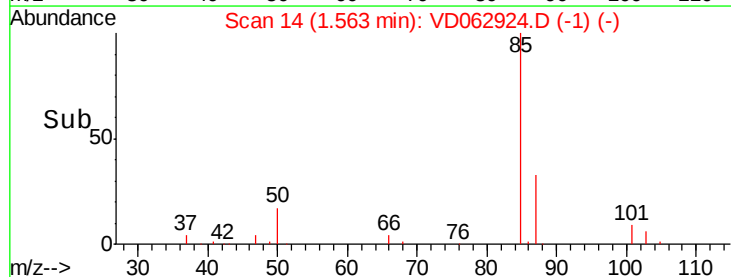
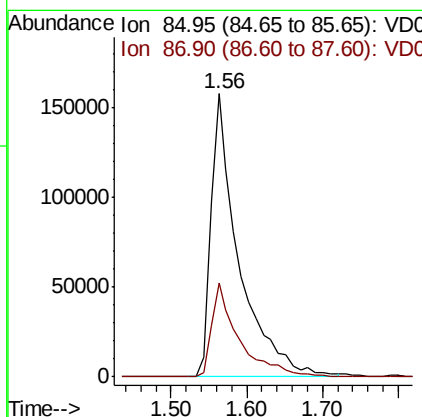
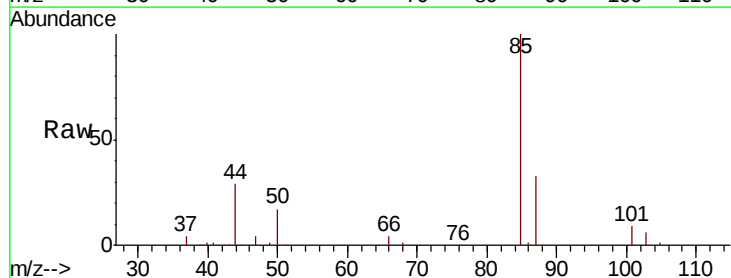
Instrument :
MSVOA_D
ClientSampled :

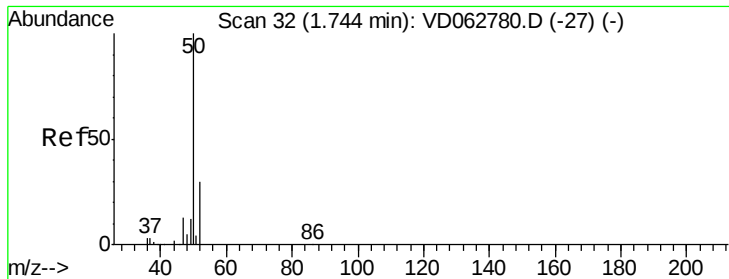
Tot Ion:168 Resp: 681880
Ion Ratio Lower Upper
168 100
99 65.3 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 45.812 ug/l
RT: 1.56 min Scan# 14
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 85 Resp: 404237
Ion Ratio Lower Upper
85 100
87 33.4 15.9 47.6





#3

Chloromethane

Concen: 43.083 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

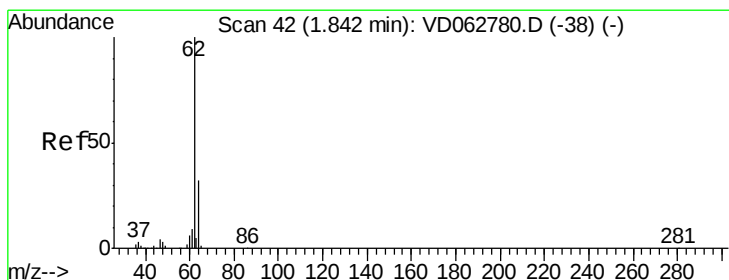
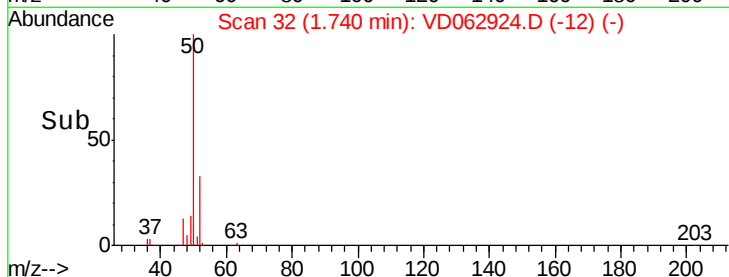
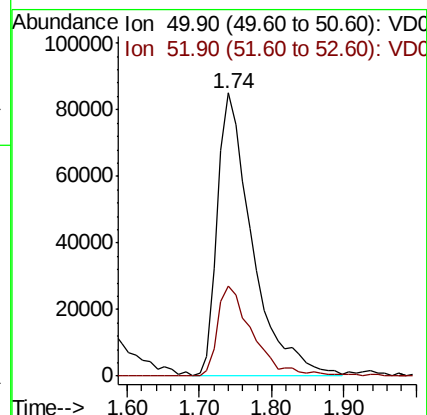
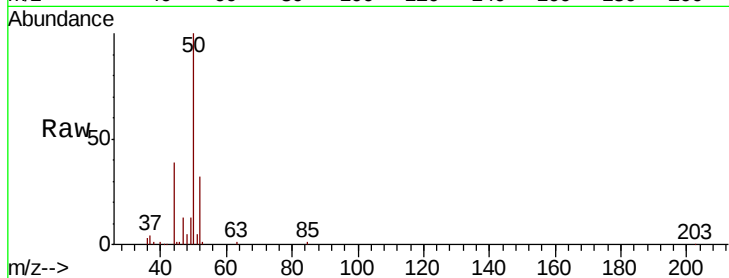
ClientSampleId :

Tot Ion: 50 Resp: 285900

Ion Ratio Lower Upper

50 100

52 31.8 23.6 35.4



#4

Vinyl Chloride

Concen: 46.085 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062924.D

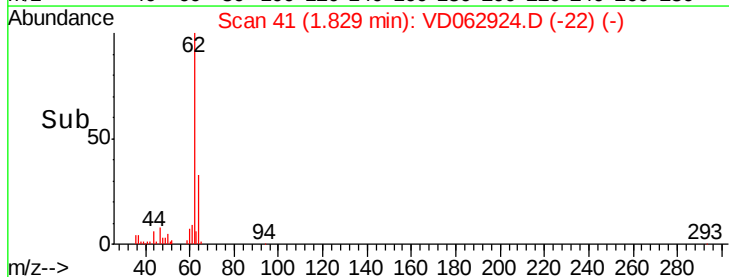
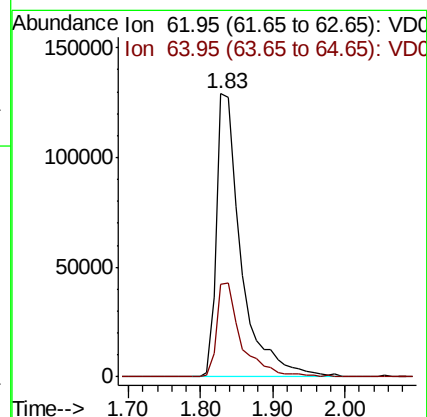
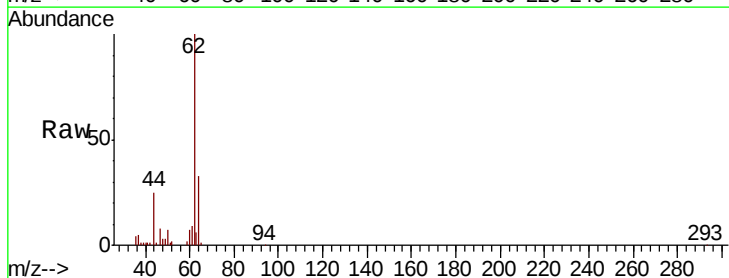
Acq: 27 Jun 2019 10:54

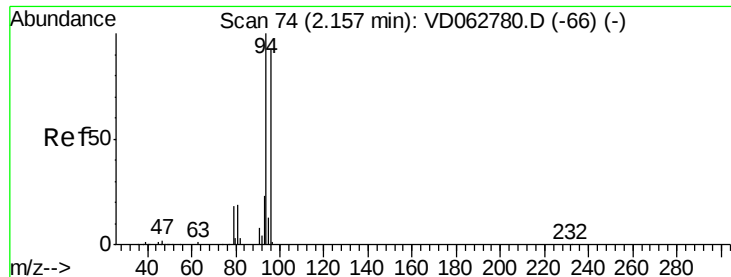
Tgt Ion: 62 Resp: 303224

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 53.452 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

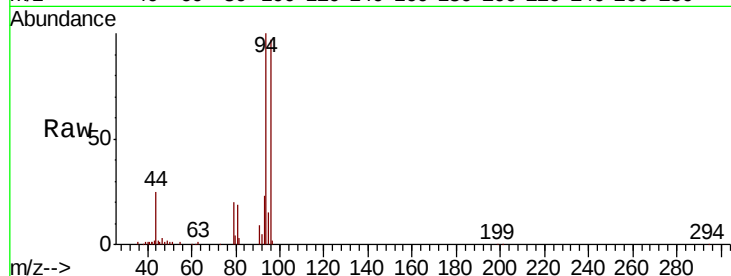
Tot Ion: 94 Resp: 164704

Ion Ratio Lower Upper

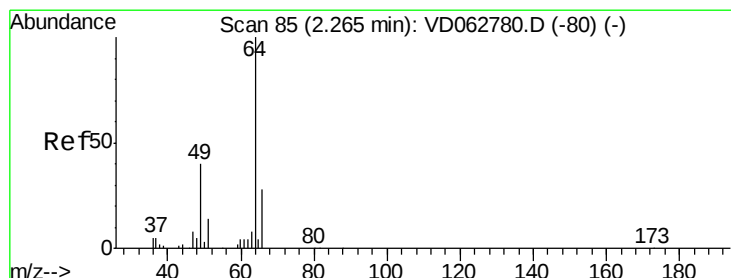
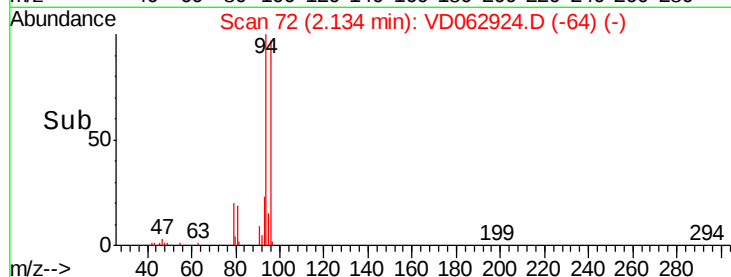
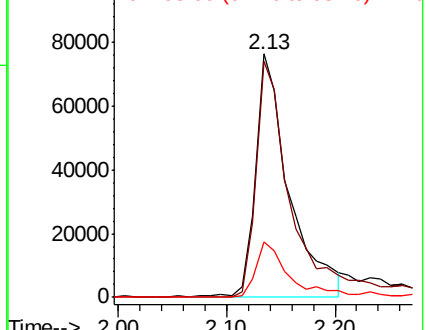
94 100

96 96.7 73.4 110.2

93 22.7 18.2 27.4



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



#6

Chloroethane

Concen: 51.137 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062924.D

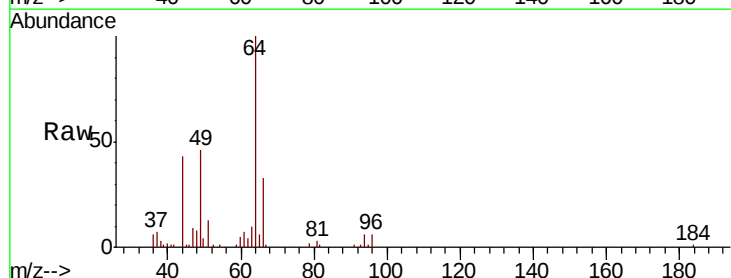
Acq: 27 Jun 2019 10:54

Tgt Ion: 64 Resp: 152327

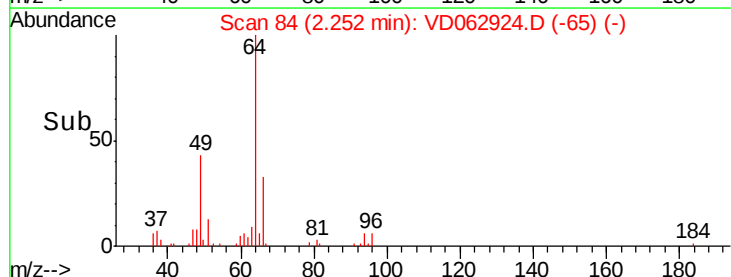
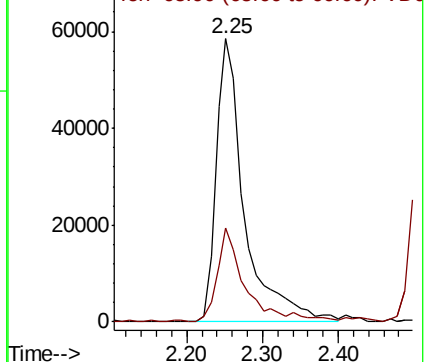
Ion Ratio Lower Upper

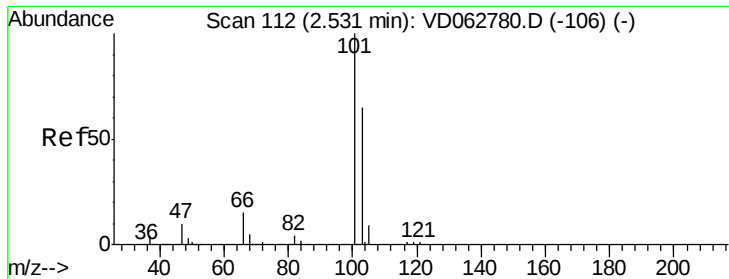
64 100

66 33.4 23.0 34.4



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



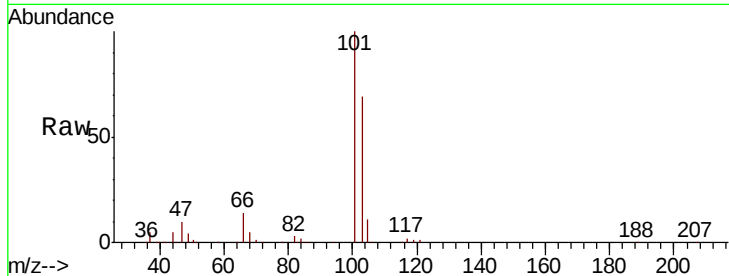


#7

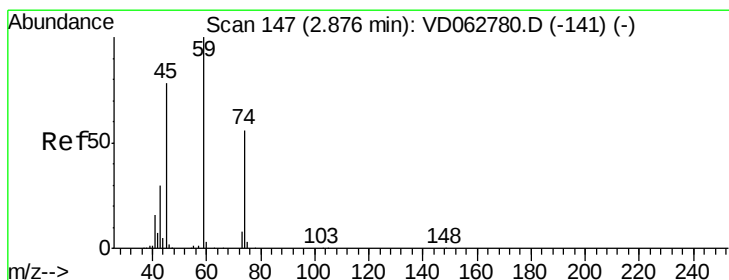
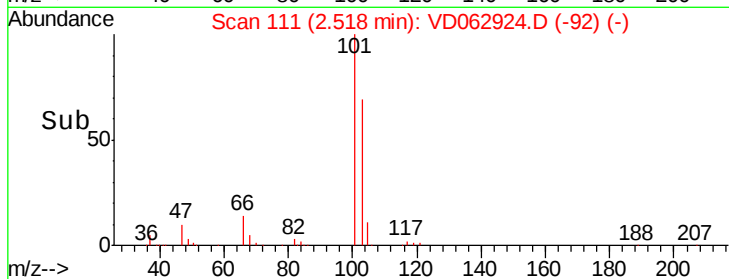
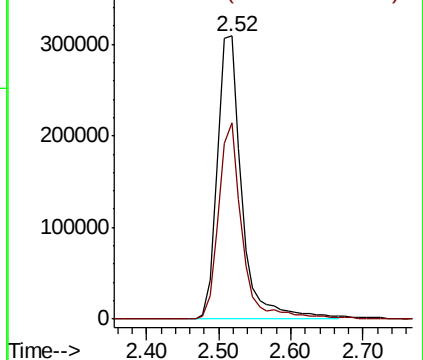
Trichlorofluoromethane
Concen: 54.110 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 720516
Ion Ratio Lower Upper
101 100
103 69.4 51.8 77.8



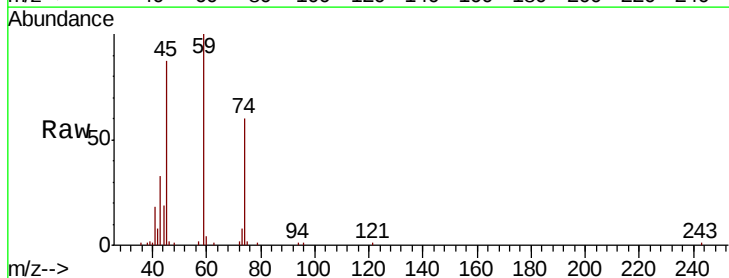
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



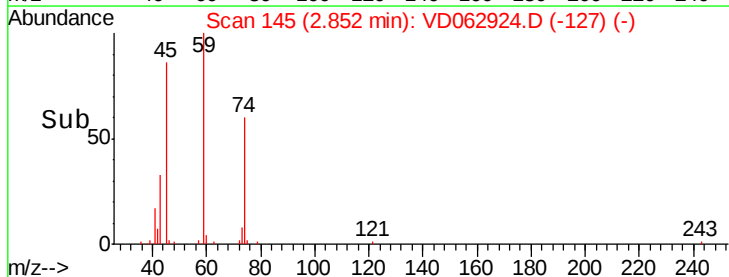
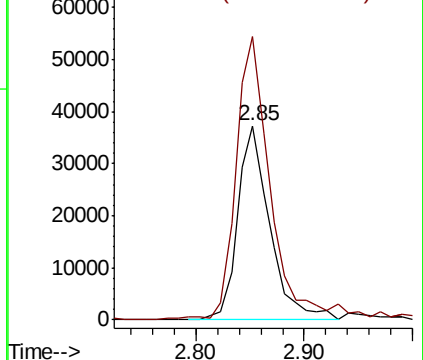
#8

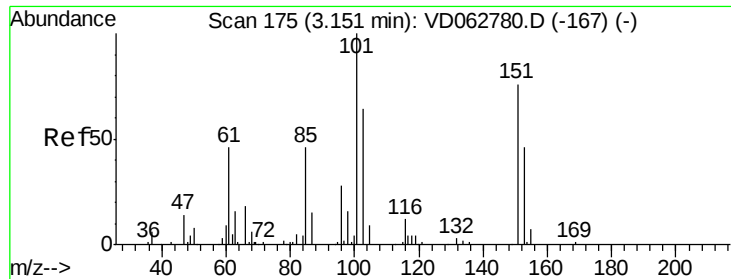
Diethyl Ether
Concen: 45.301 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 74 Resp: 76644
Ion Ratio Lower Upper
74 100
45 146.0 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: 47.387 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

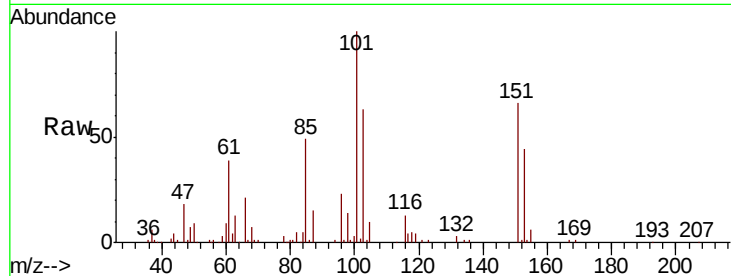
Tot Ion:101 Resp: 341843

Ion Ratio Lower Upper

101 100

85 49.2 37.0 55.4

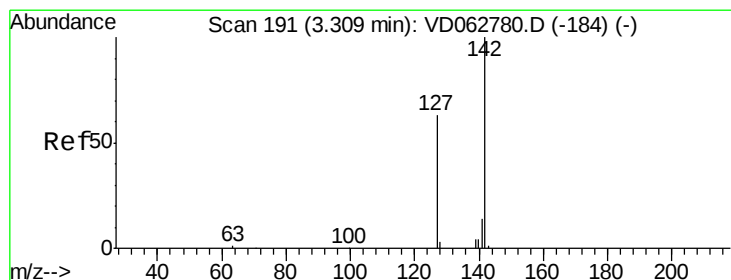
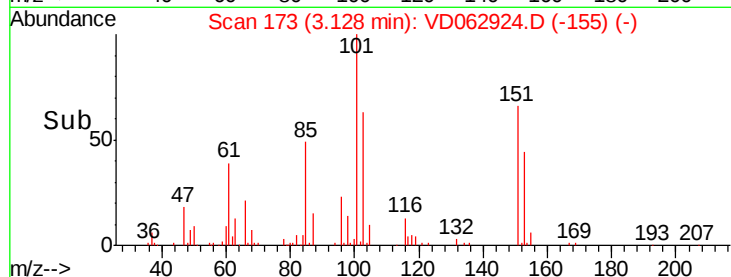
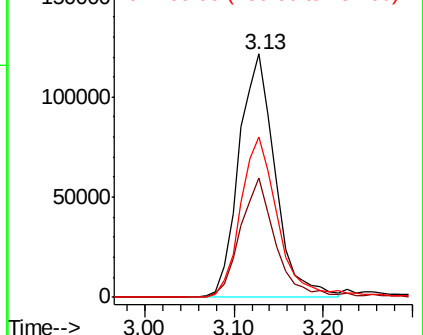
151 65.8 60.5 90.7



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: 42.955 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

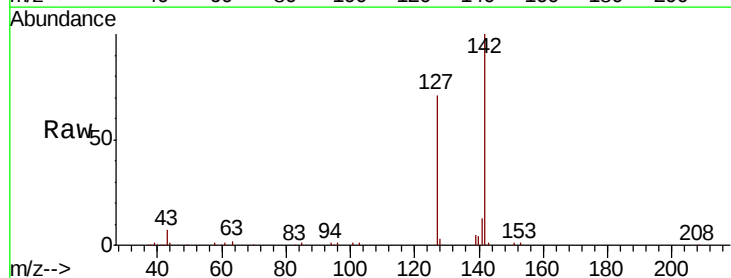
Tgt Ion:142 Resp: 408810

Ion Ratio Lower Upper

142 100

127 70.8 50.1 75.1

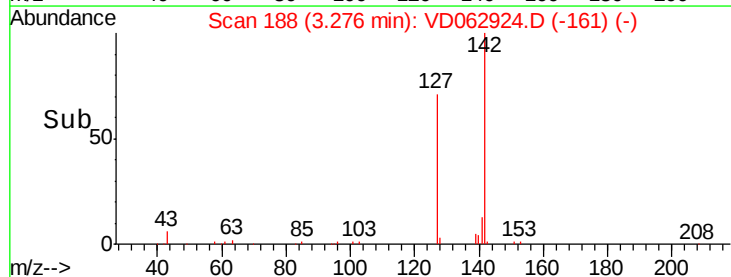
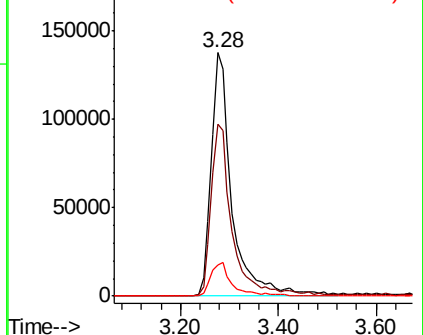
141 12.7 11.0 16.4

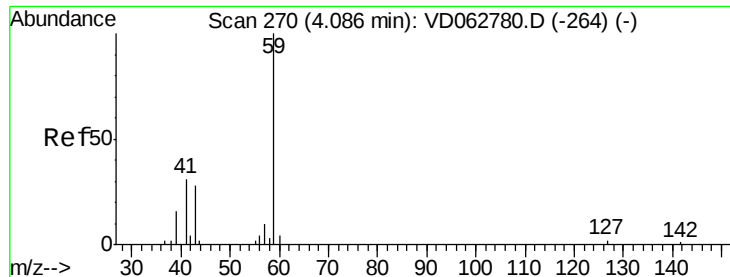


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



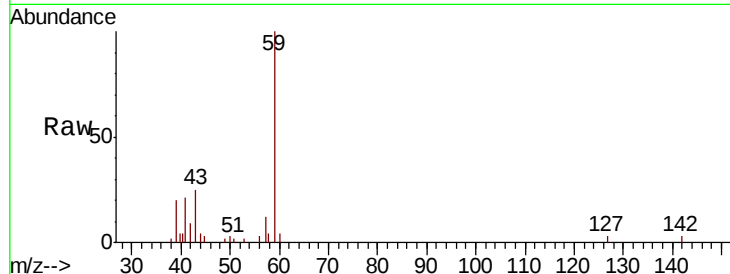


#11

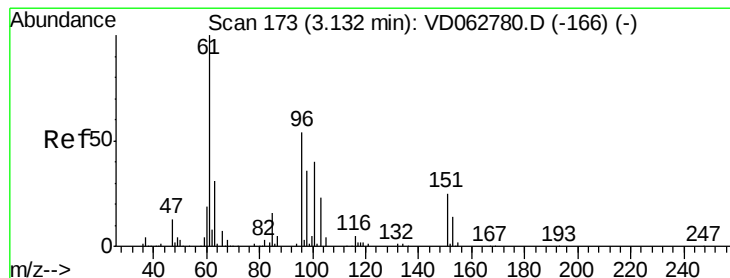
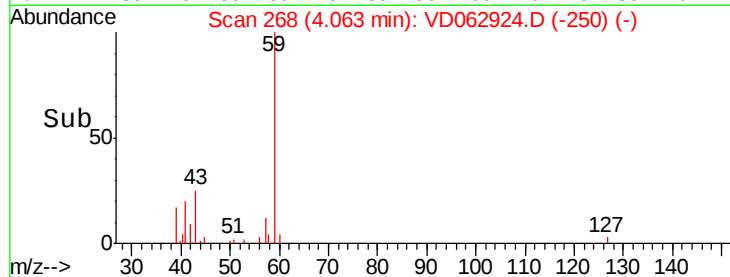
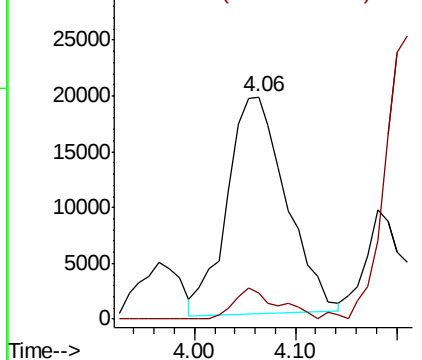
Tert butyl alcohol
Concen: 232.950 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 78638
Ion Ratio Lower Upper
59 100
57 11.7 6.6 10.0#



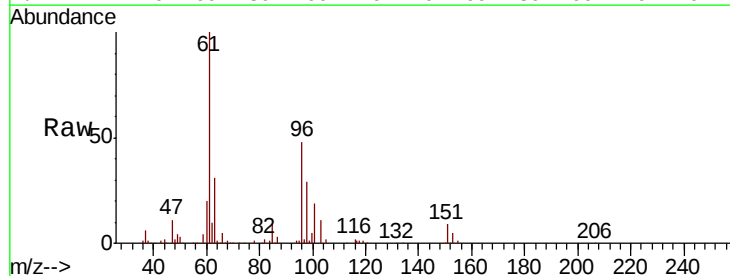
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



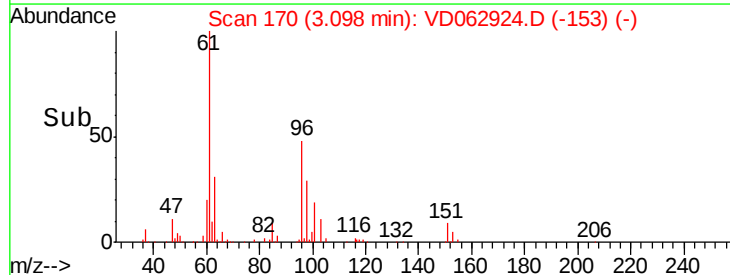
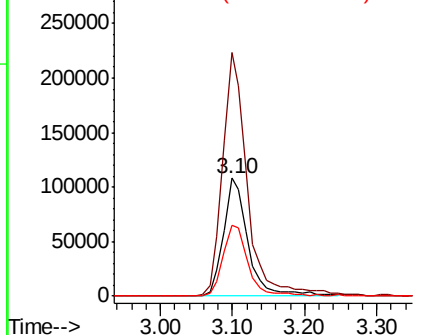
#12

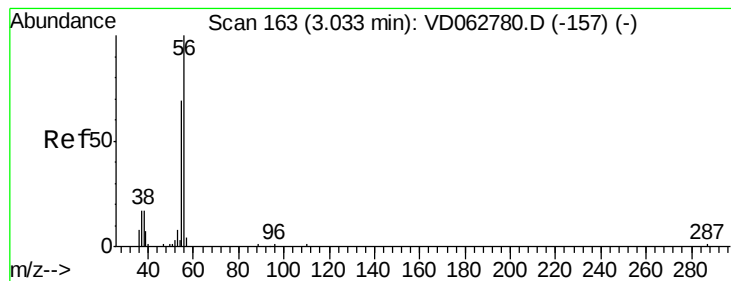
1,1-Dichloroethene
Concen: 47.165 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 96 Resp: 255240
Ion Ratio Lower Upper
96 100
61 206.4 147.1 220.7
98 60.6 52.6 79.0



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





#13

Acrolein

Concen: 191.960 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

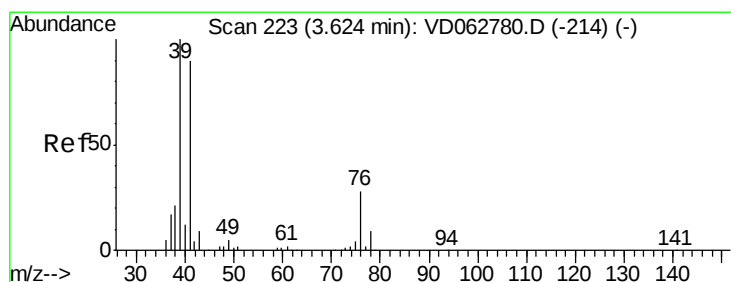
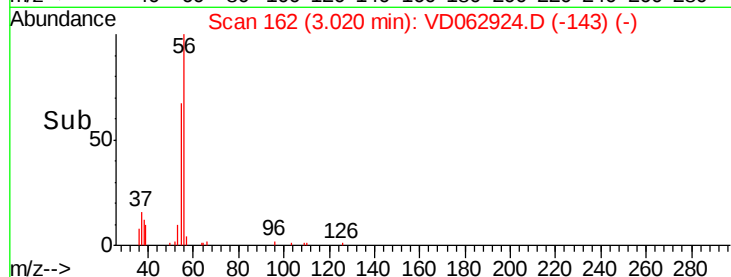
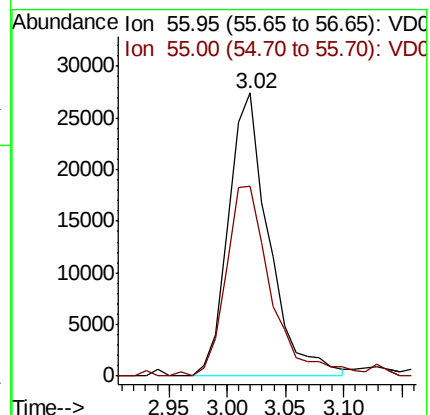
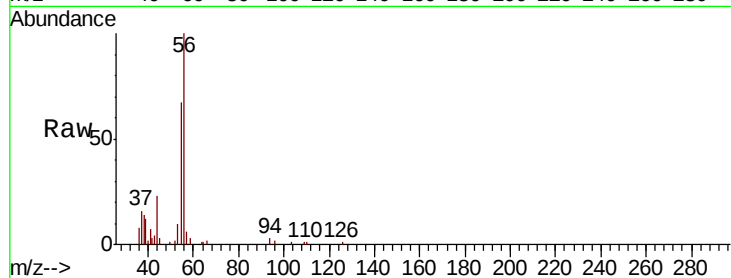
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 66154

Ion Ratio Lower Upper

56 100

55 67.3 55.4 83.0



#14

Allyl chloride

Concen: 44.470 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

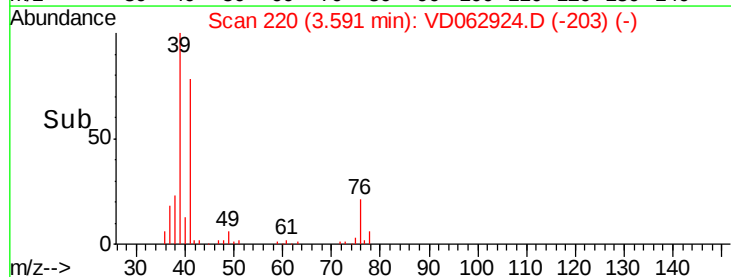
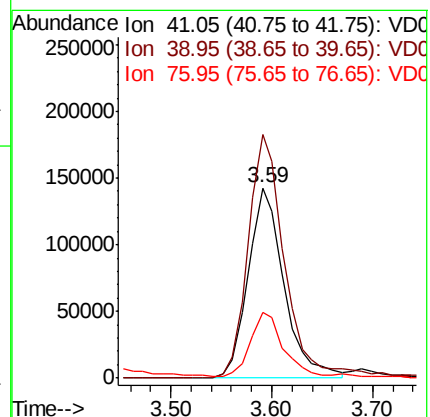
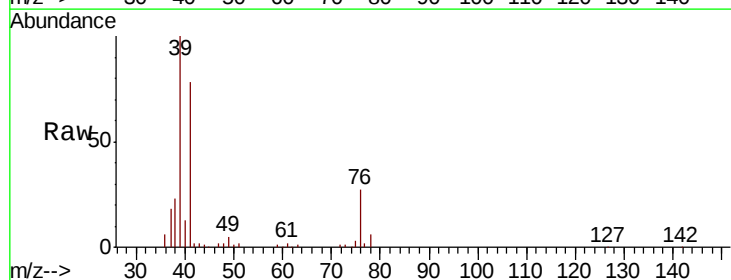
Tgt Ion: 41 Resp: 355594

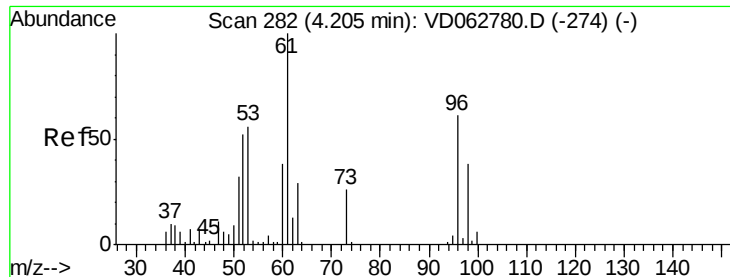
Ion Ratio Lower Upper

41 100

39 127.9 88.8 133.2

76 34.5 26.7 40.1





#15

Acrylonitrile

Concen: 212.981 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

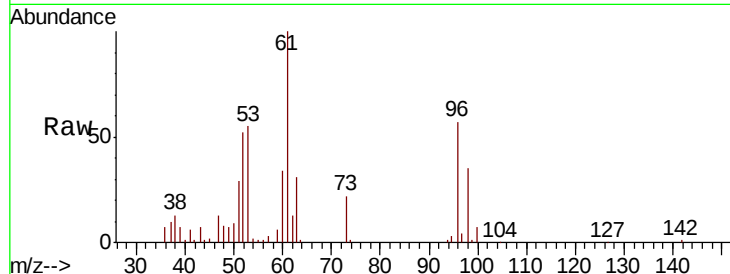
Tot Ion: 53 Resp: 168938

Ion Ratio Lower Upper

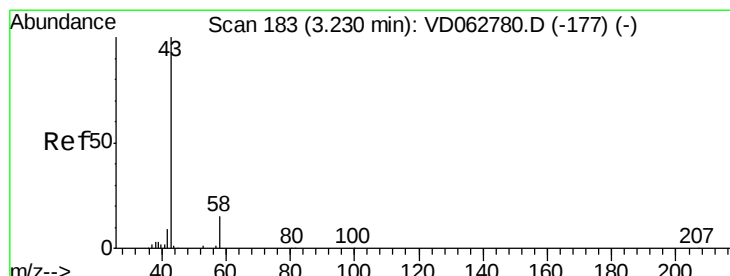
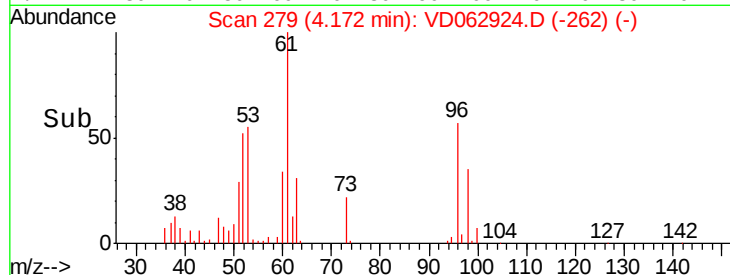
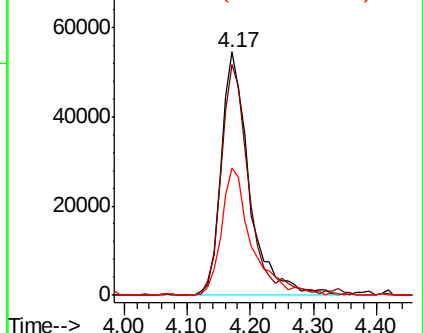
53 100

52 94.7 73.3 109.9

51 52.3 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: 255.636 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062924.D

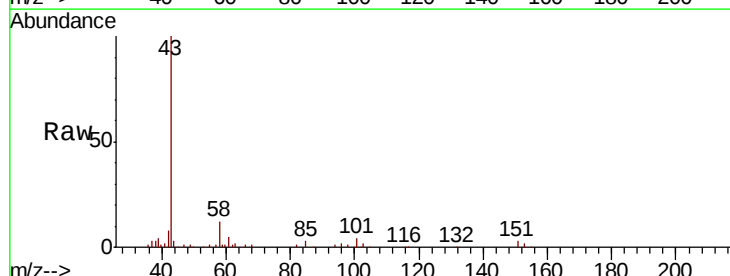
Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 384003

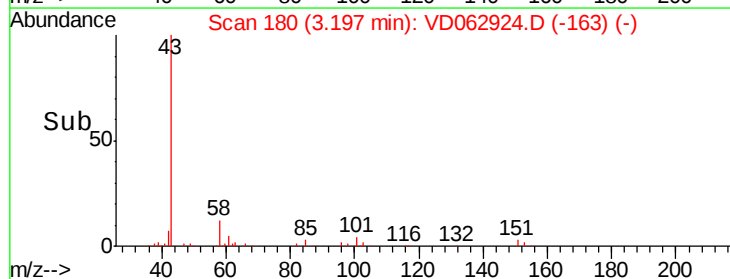
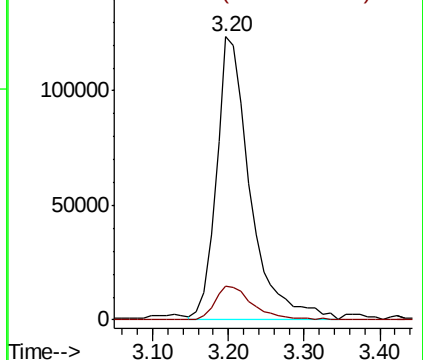
Ion Ratio Lower Upper

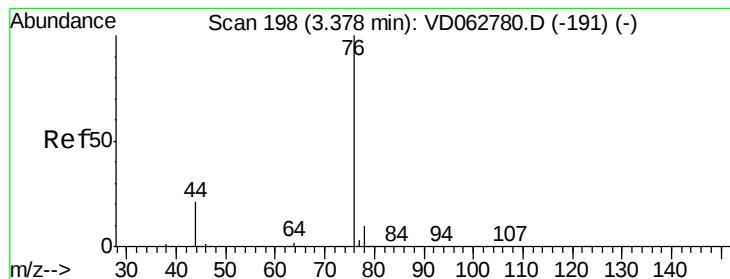
43 100

58 11.8 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: 40.309 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

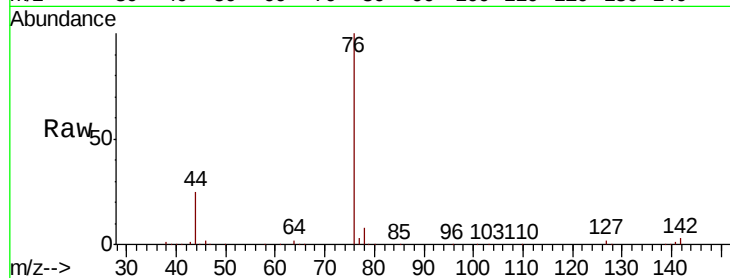
ClientSampled :

Tot Ion: 76 Resp: 697168

Ion Ratio Lower Upper

76 100

78 7.8 8.0 12.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.35

250000

200000

150000

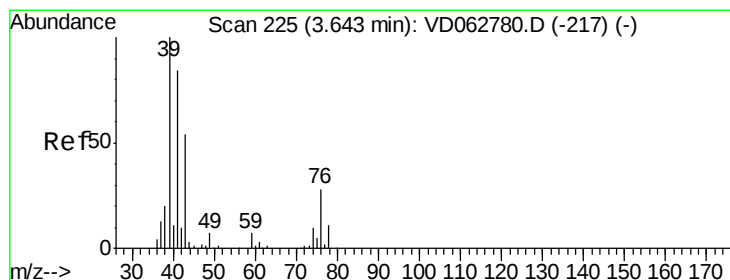
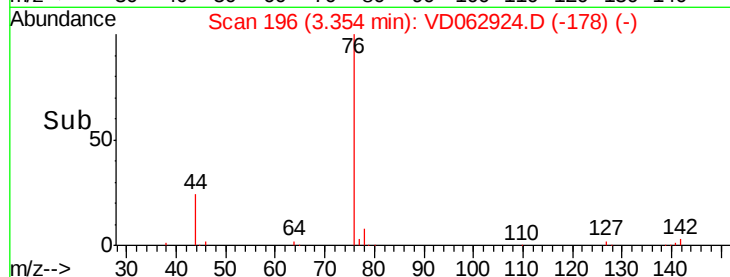
100000

50000

0

Time-->

3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 43.085 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062924.D

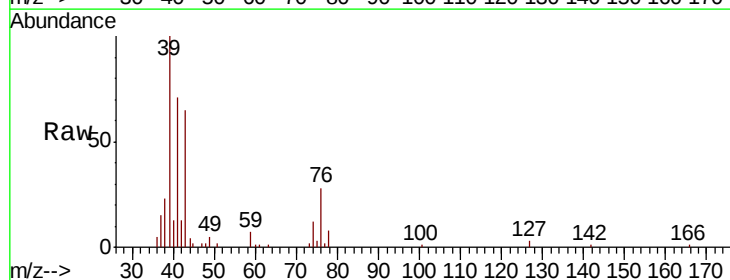
Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 96401

Ion Ratio Lower Upper

43 100

74 18.0 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

40000

30000

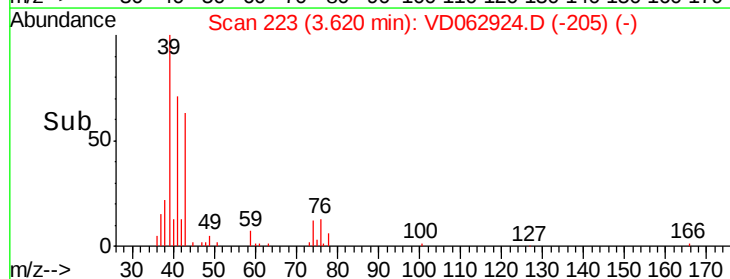
20000

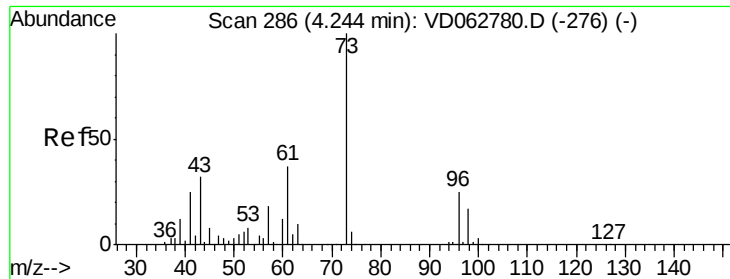
10000

0

Time-->

3.50 3.60 3.70

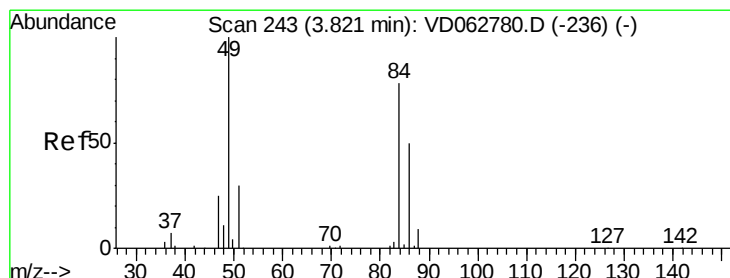
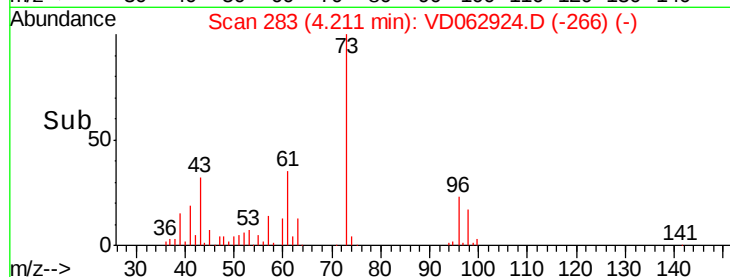
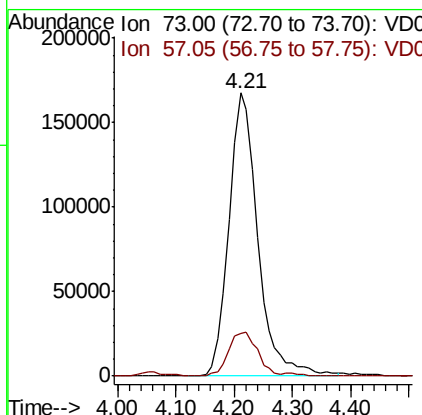
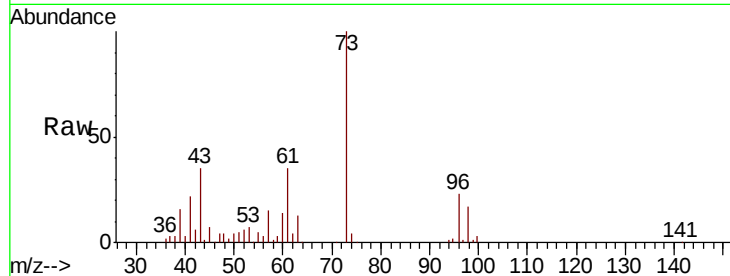




#19
Methyl tert-butyl Ether
Concen: 49.335 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

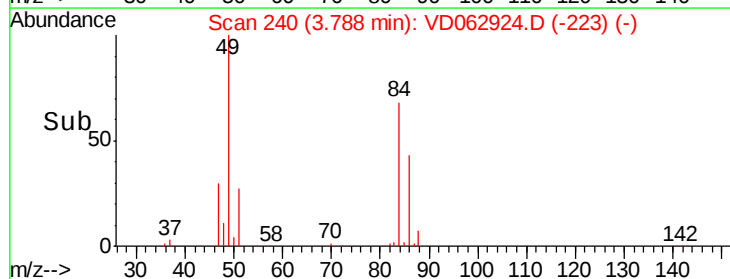
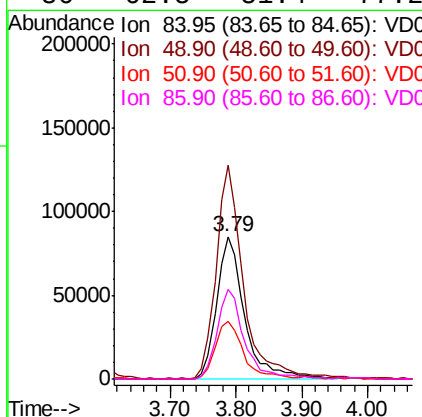
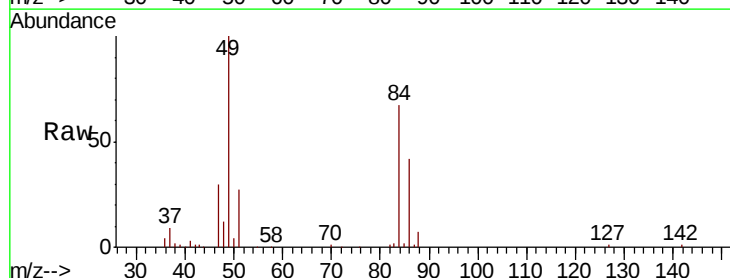
Instrument :
MSVOA_D
ClientSampleId :

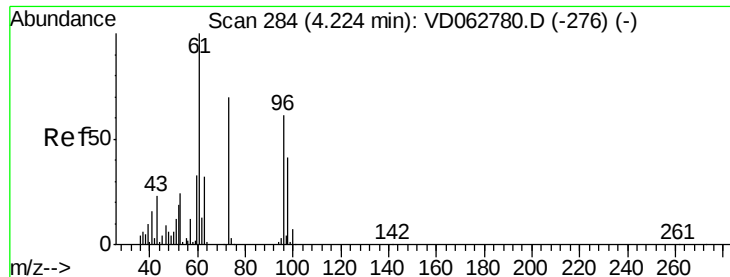
Tot Ion: 73 Resp: 577973
Ion Ratio Lower Upper
73 100
57 15.1 14.3 21.5



#20
Methylene Chloride
Concen: 44.234 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 84 Resp: 250039
Ion Ratio Lower Upper
84 100
49 149.9 102.9 154.3
51 40.6 31.2 46.8
86 62.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.409 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

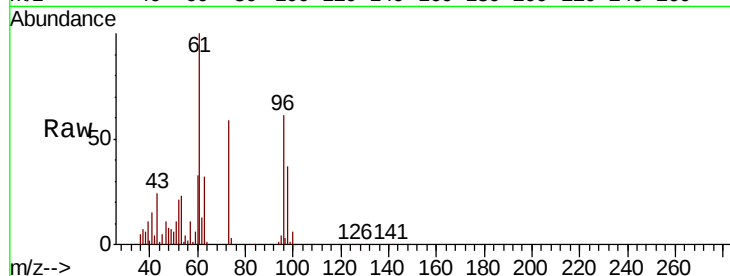
Tot Ion: 96 Resp: 267415

Ion Ratio Lower Upper

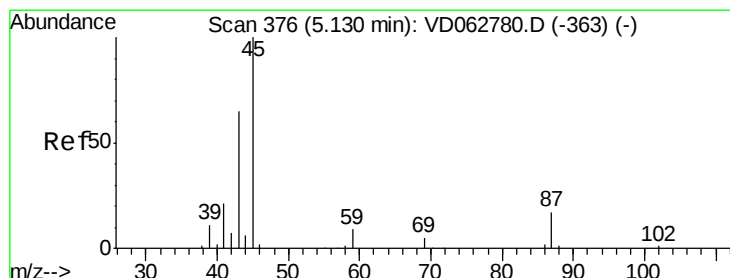
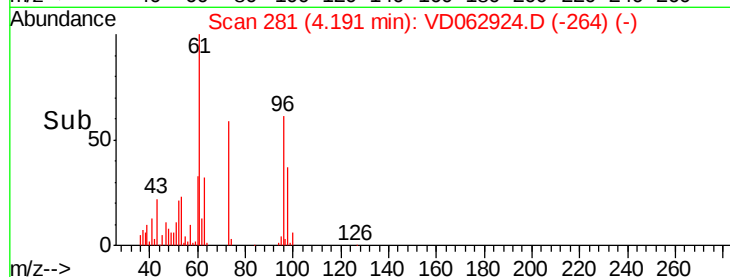
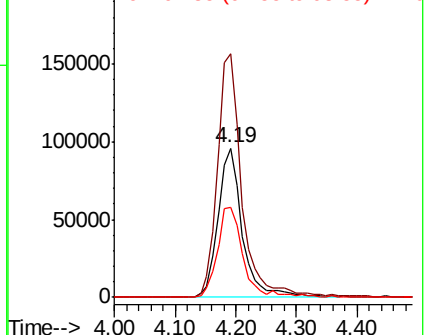
96 100

61 163.0 131.0 196.4

98 60.4 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: 46.863 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Tgt Ion: 45 Resp: 762064

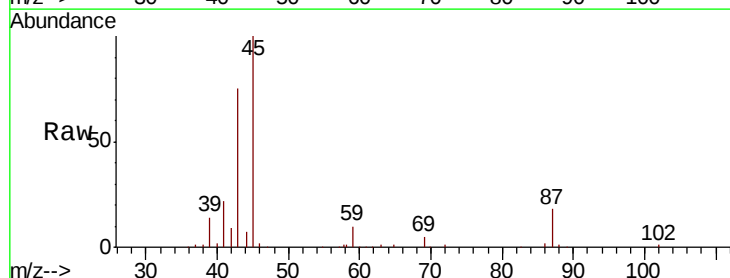
Ion Ratio Lower Upper

45 100

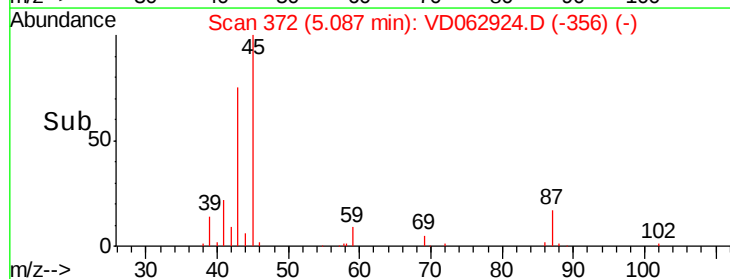
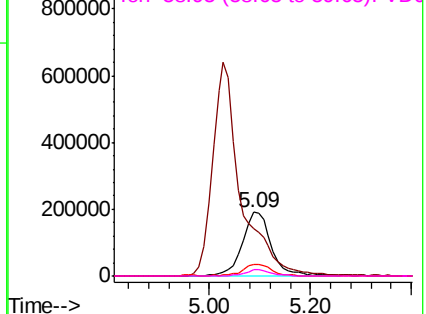
43 75.1 53.4 80.0

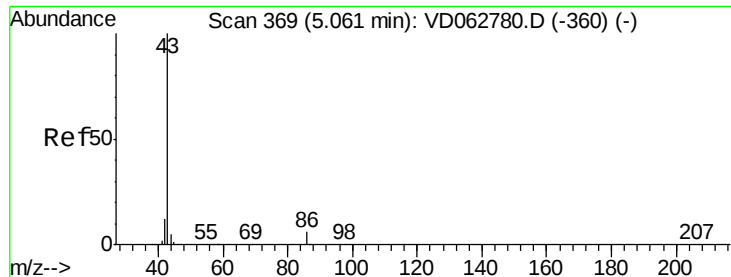
87 17.6 14.6 22.0

59 9.7 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

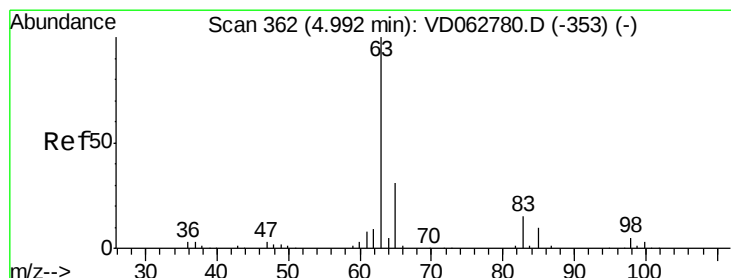
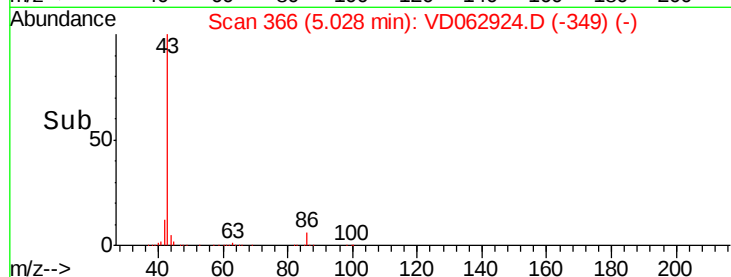
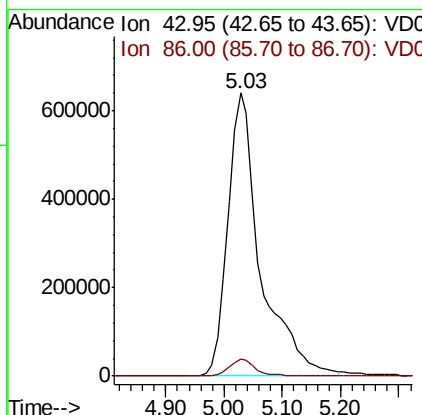
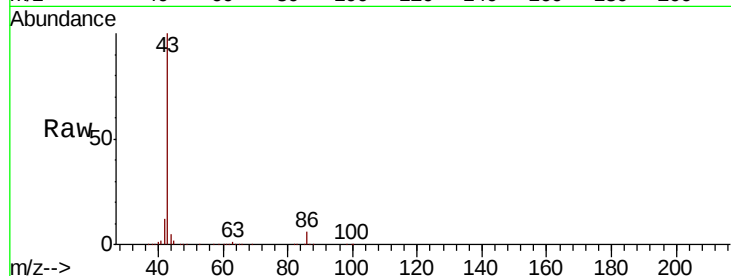




#23
 Vinyl Acetate
 Concen: 244.796 ug/l
 RT: 5.03 min Scan# 366
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

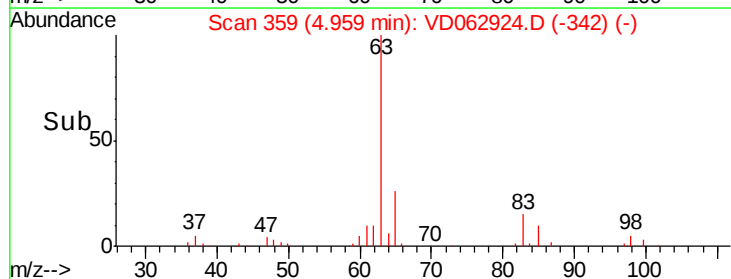
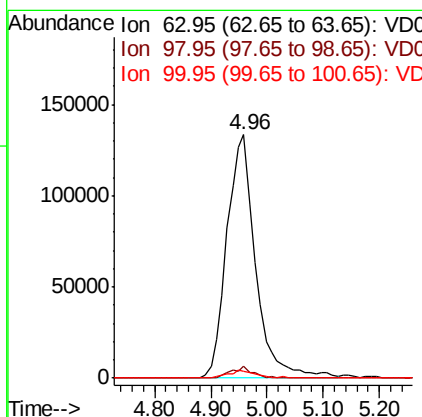
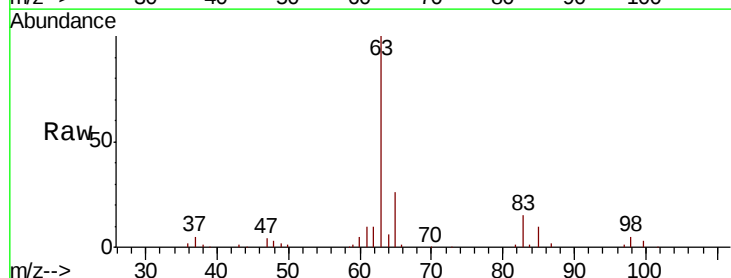
Instrument :
 MSVOA_D
 ClientSampleId :

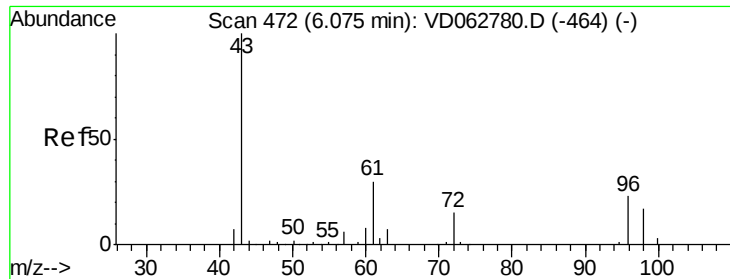
Tot Ion: 43 Resp: 2490943
 Ion Ratio Lower Upper
 43 100
 86 6.0 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 44.822 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 63 Resp: 474552
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.3 6.9
 100 2.6 1.7 5.1

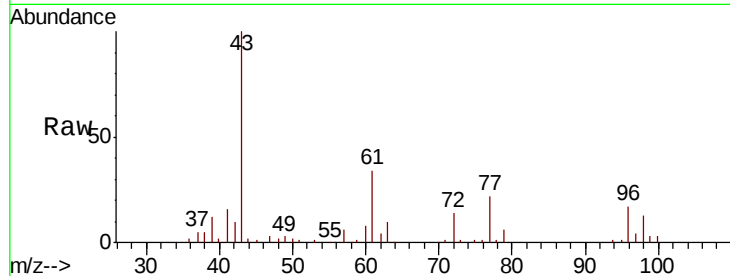




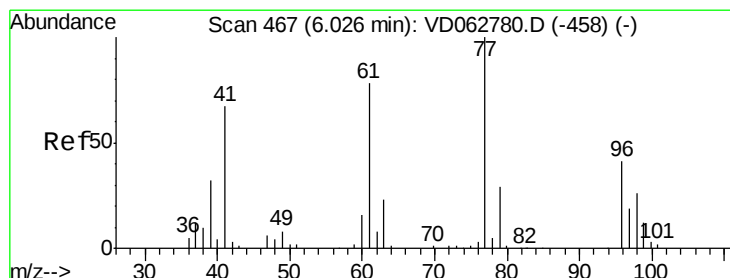
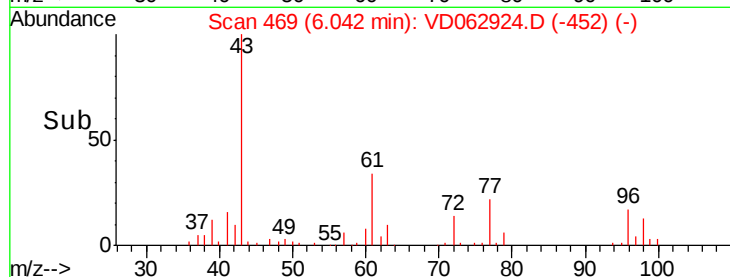
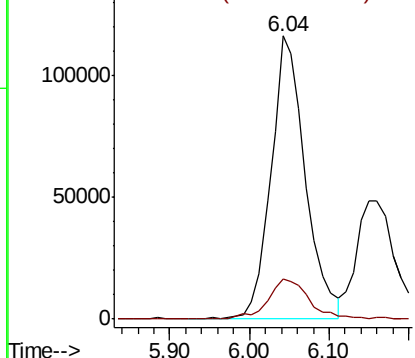
#25
2-Butanone
Concen: 251.655 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 348858
Ion Ratio Lower Upper
43 100
72 14.1 11.9 17.9

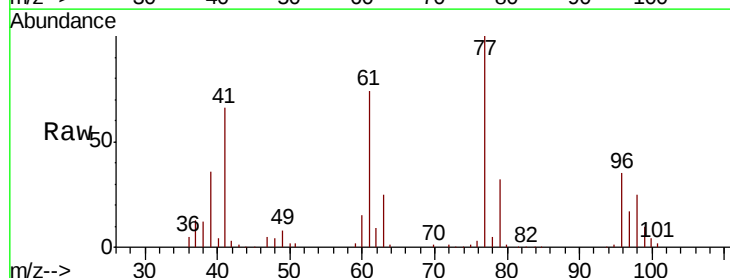


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

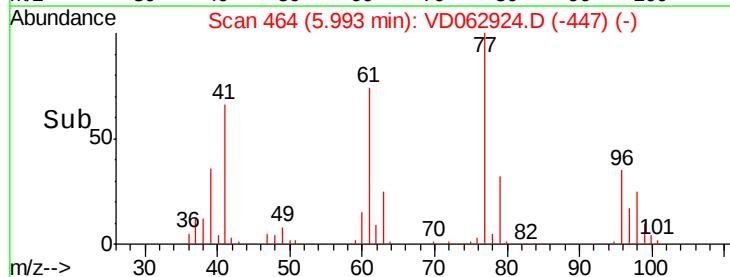
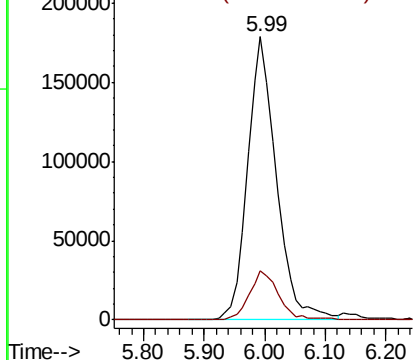


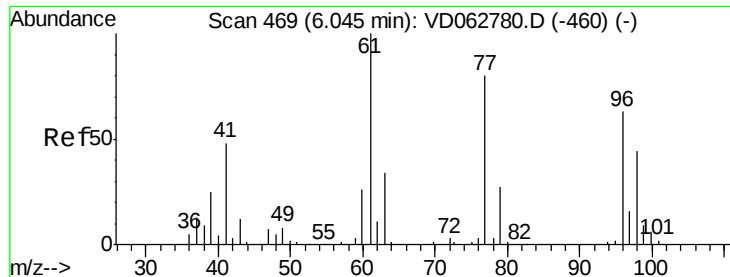
#26
2,2-Dichloropropane
Concen: 52.423 ug/l
RT: 5.99 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 77 Resp: 588306
Ion Ratio Lower Upper
77 100
97 17.2 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



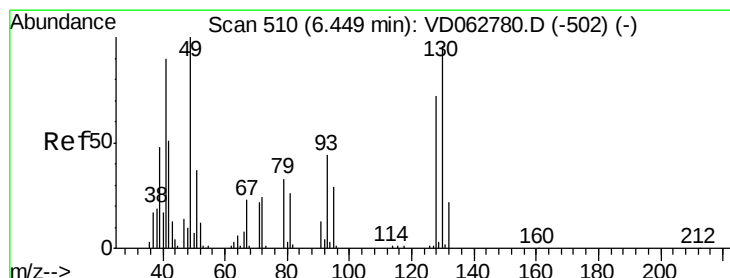
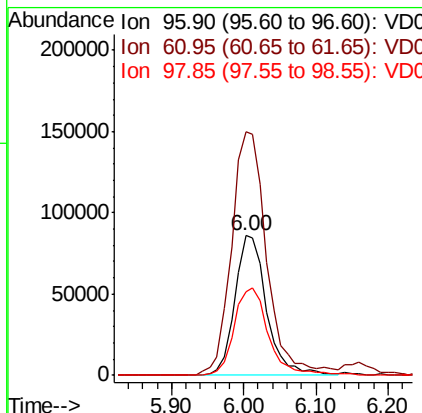
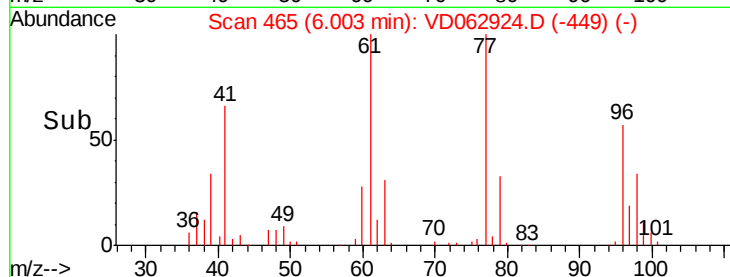
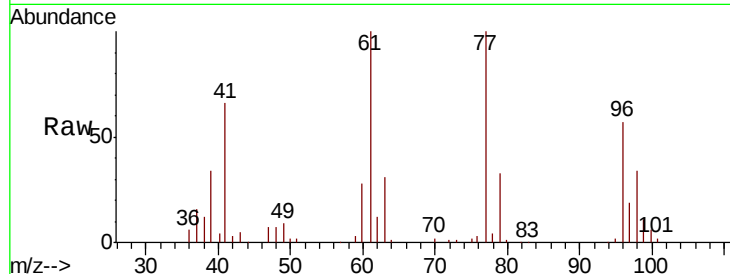


#27

cis-1,2-Dichloroethene
Concen: 43.514 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

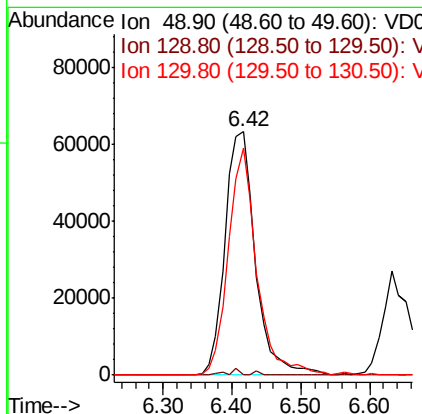
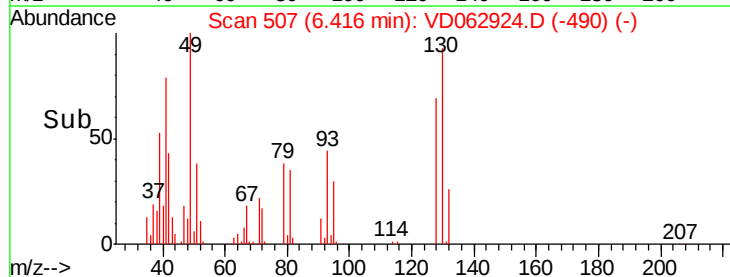
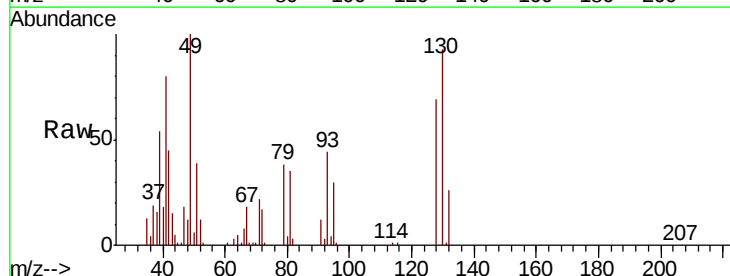
Tot Ion	Ratio	Lower	Upper
96	100		
61	174.1	0.0	316.0
98	59.7	0.0	138.4

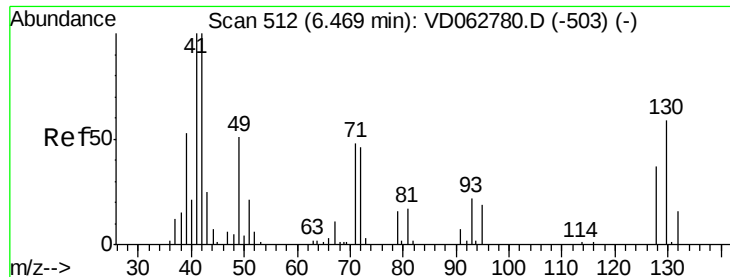


#28

Bromochloromethane
Concen: 51.838 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	93.0	76.6	114.8





#29

Tetrahydrofuran

Concen: 222.191 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

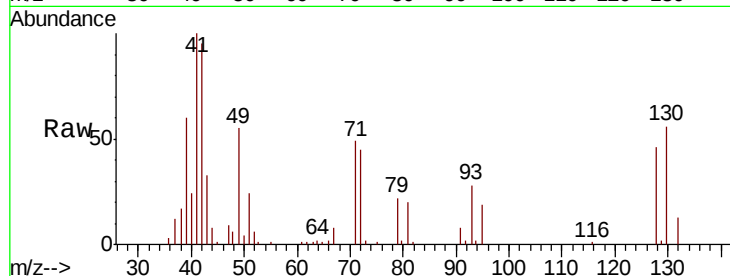
Tot Ion: 42 Resp: 145733

Ion Ratio Lower Upper

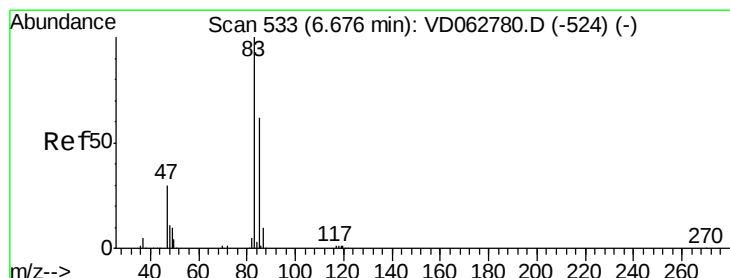
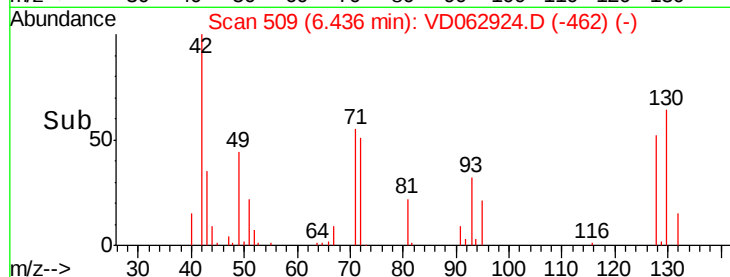
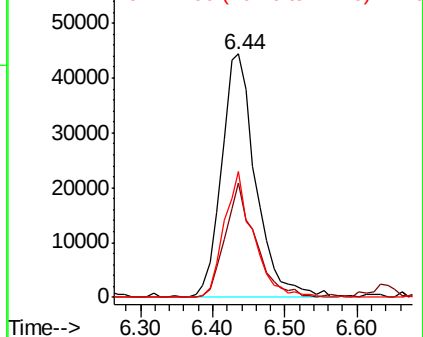
42 100

72 41.5 35.0 52.6

71 44.1 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: 51.670 ug/l

RT: 6.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062924.D

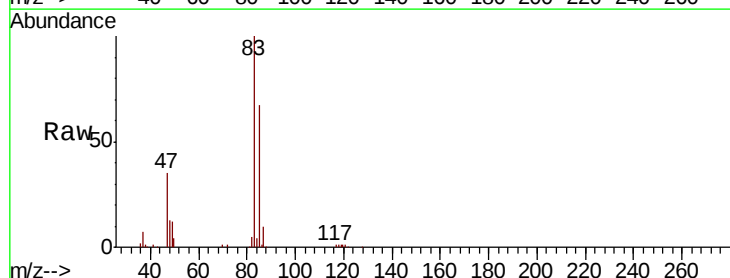
Acq: 27 Jun 2019 10:54

Tgt Ion: 83 Resp: 665309

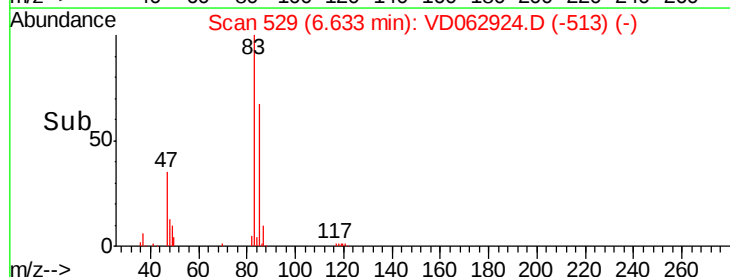
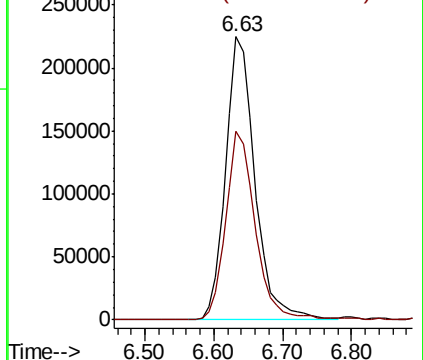
Ion Ratio Lower Upper

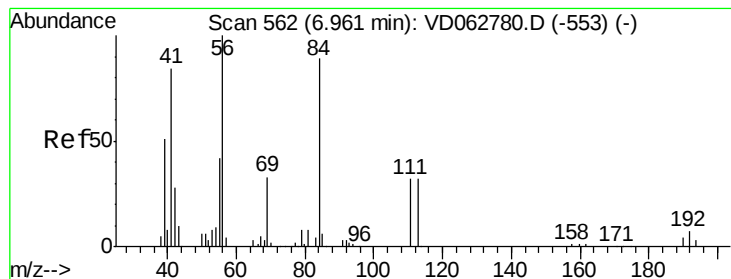
83 100

85 66.8 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: 44.237 ug/l

RT: 6.93 min Scan# 559

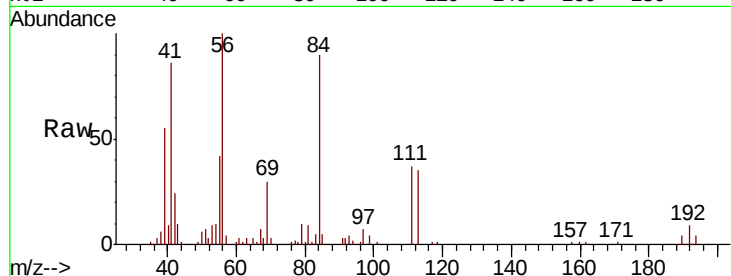
Delta R.T. -0.03 min

Lab File: VD062924.D

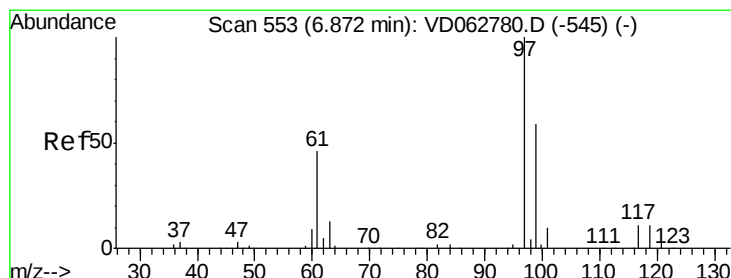
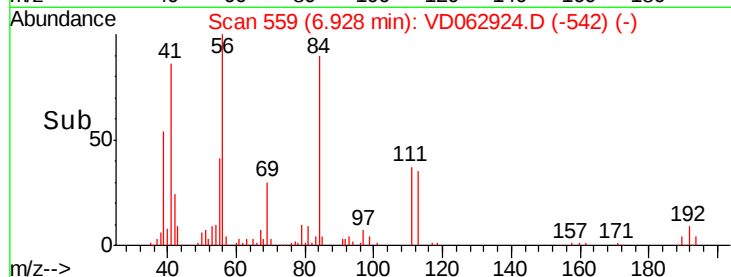
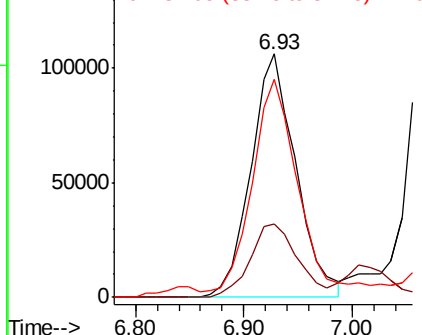
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	56	Resp:	307901
Ion	Ratio	Lower	Upper
56	100		
69	30.3	26.6	39.8
84	89.8	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: 54.197 ug/l

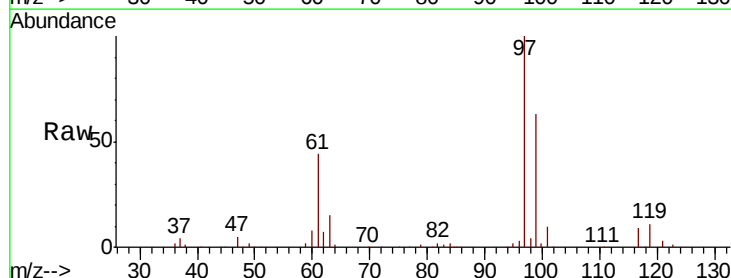
RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

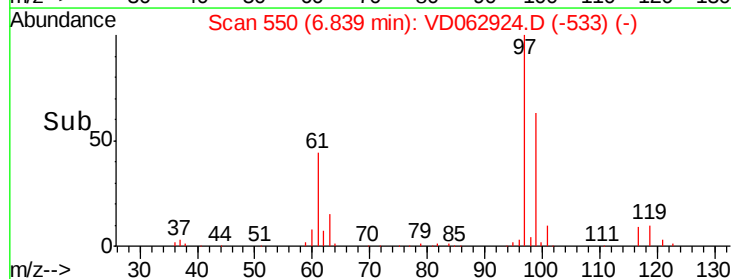
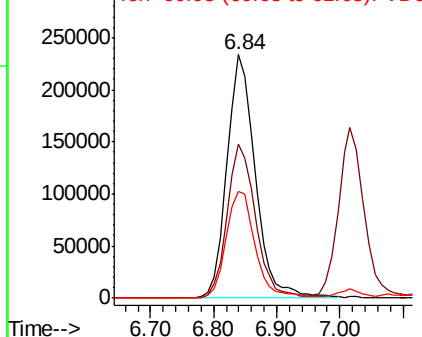
Lab File: VD062924.D

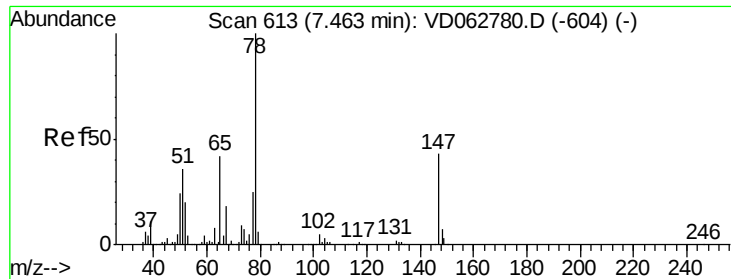
Acq: 27 Jun 2019 10:54

Tgt Ion:	97	Resp:	726855
Ion	Ratio	Lower	Upper
97	100		
99	63.3	47.4	71.2
61	44.0	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: 53.710 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

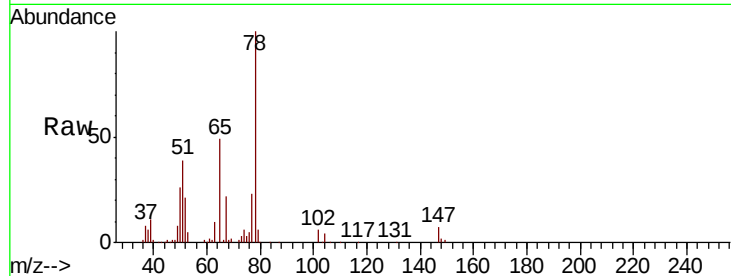
ClientSampleId :

Tot Ion: 65 Resp: 398098

Ion Ratio Lower Upper

65 100

67 44.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

100000

50000

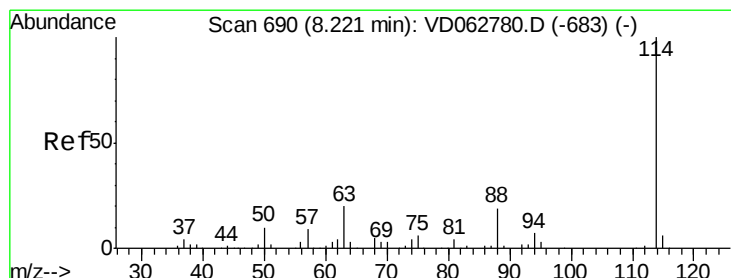
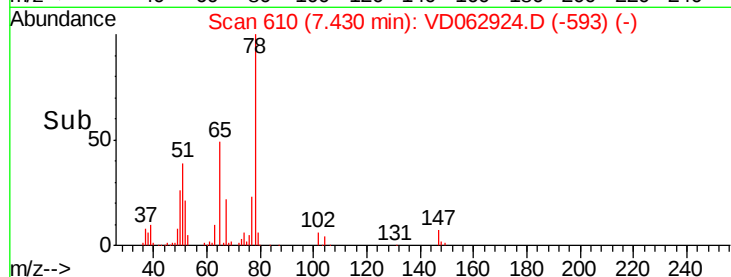
0

Time-->

7.30

7.40

7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

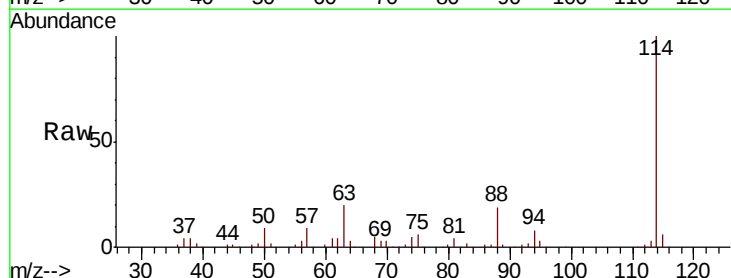
Tgt Ion: 114 Resp: 847434

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 18.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

400000

300000

200000

100000

0

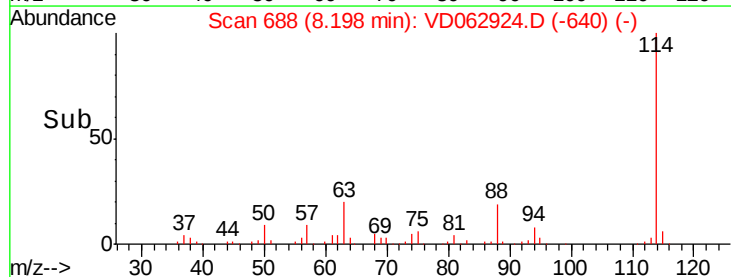
Time-->

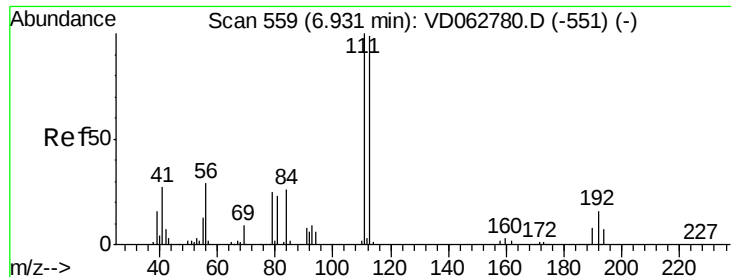
8.10

8.20

8.30

8.40

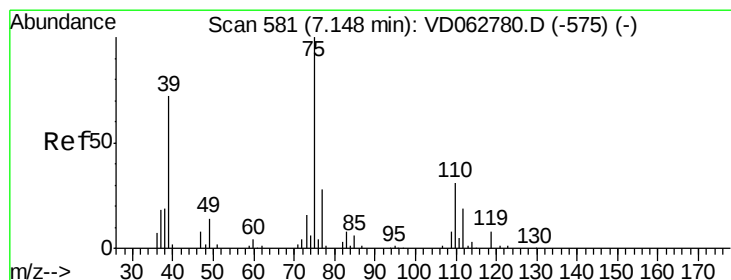
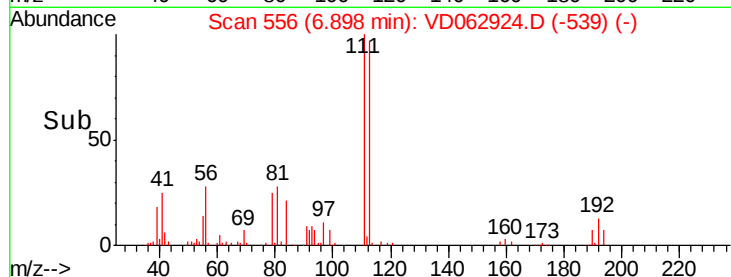
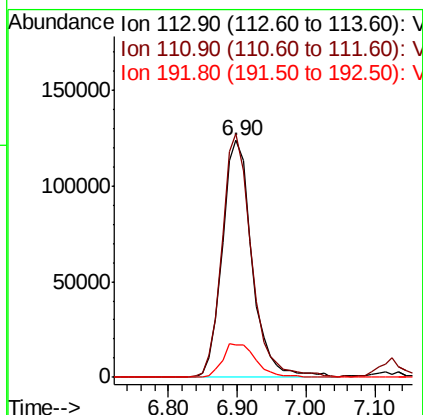
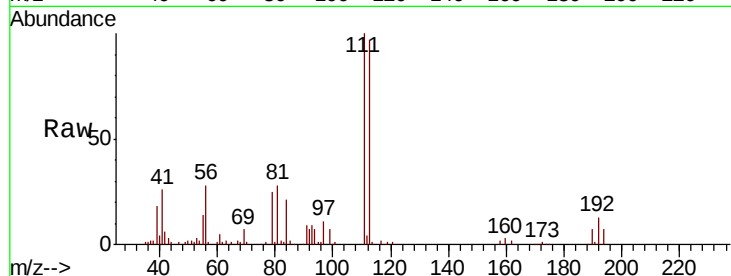




#35
Dibromofluoromethane
Concen: 51.797 ug/l
RT: 6.90 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

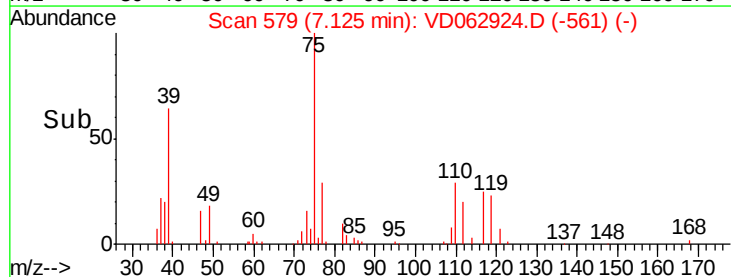
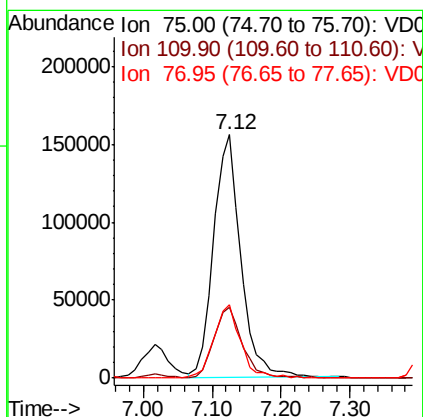
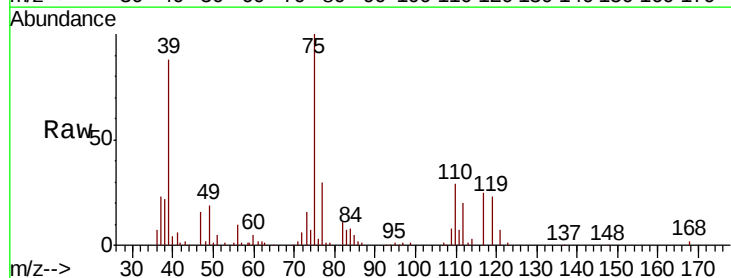
Instrument :
MSVOA_D
ClientSampleId :

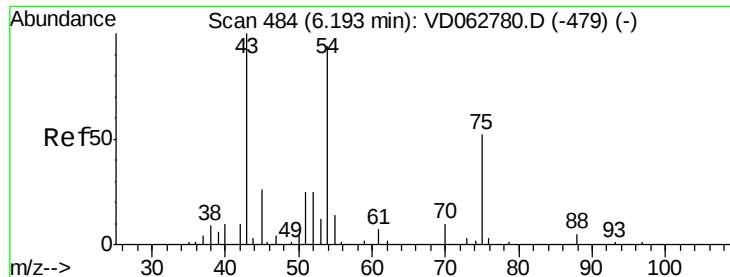
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.2	121.8
192	13.5	12.9	19.3



#36
1,1-Dichloropropene
Concen: 53.326 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	15.0	45.1
77	30.1	22.2	33.2

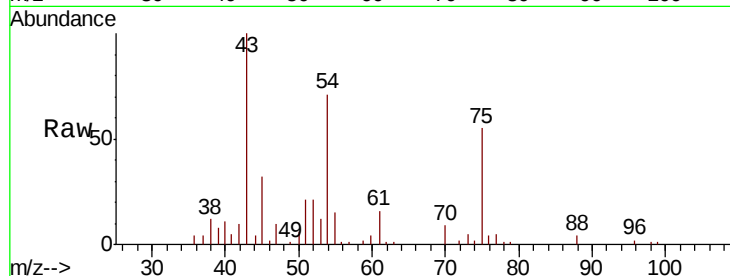




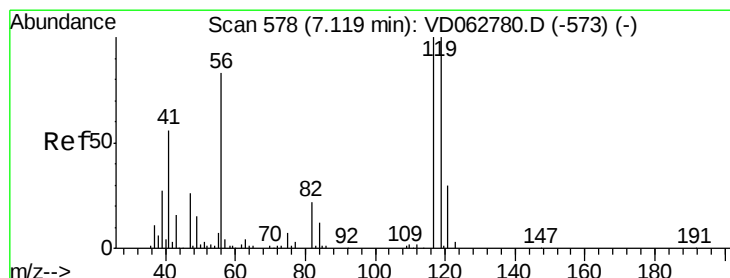
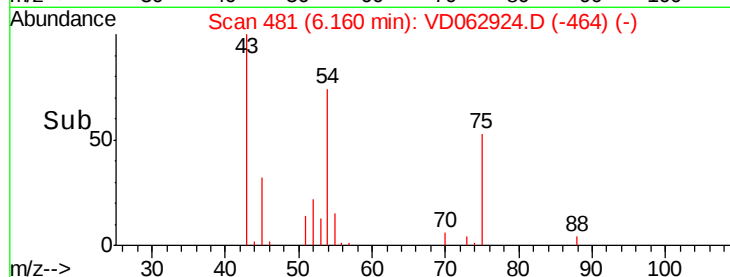
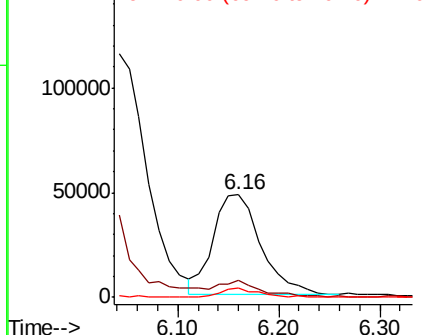
#37
Ethyl Acetate
Concen: 46.357 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 156487
Ion Ratio Lower Upper
43 100
61 16.4 11.6 17.4
70 8.9 6.4 9.6

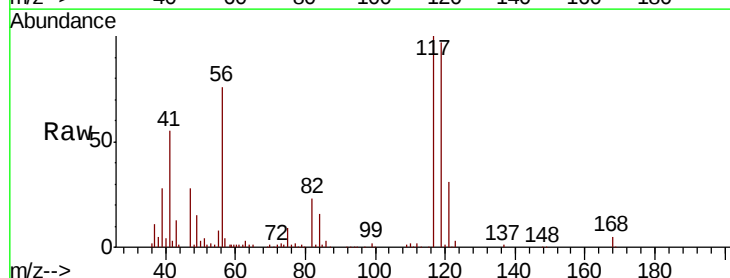


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

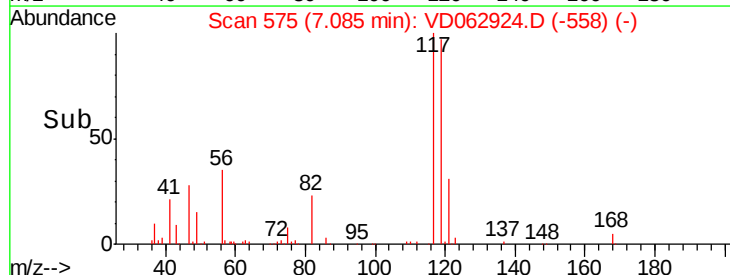
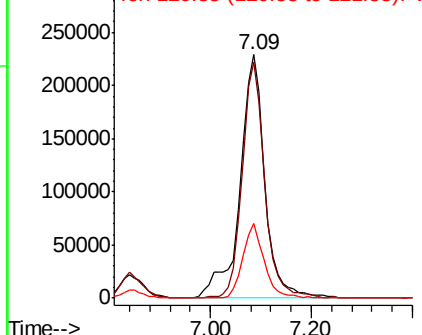


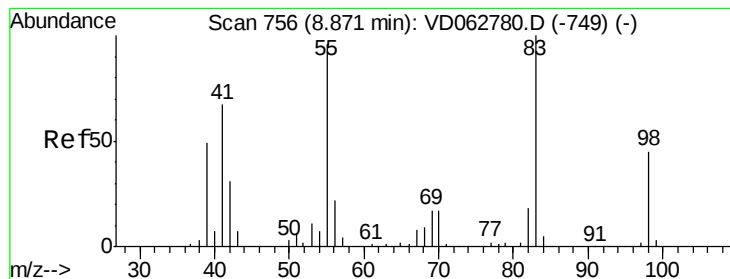
#38
Carbon Tetrachloride
Concen: 64.061 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 117 Resp: 772895
Ion Ratio Lower Upper
117 100
119 96.8 75.4 113.2
121 30.9 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: 50.264 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

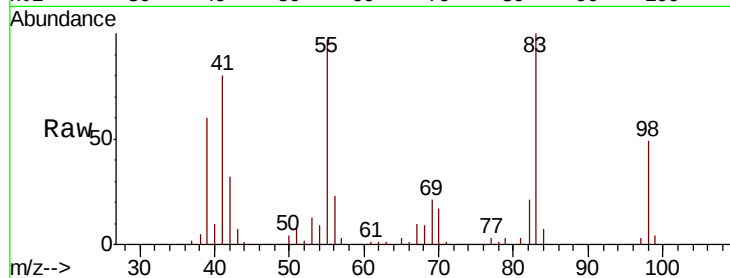
Tot Ion: 83 Resp: 354936

Ion Ratio Lower Upper

83 100

55 97.2 76.6 115.0

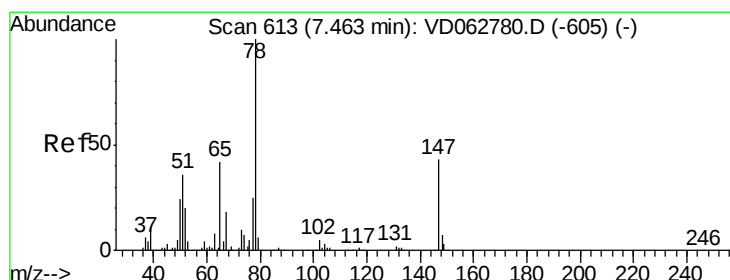
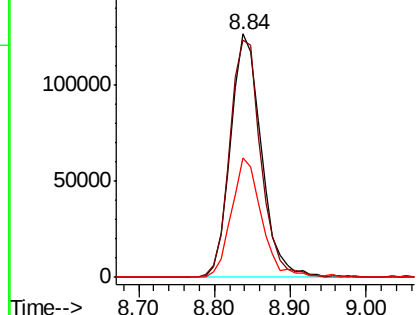
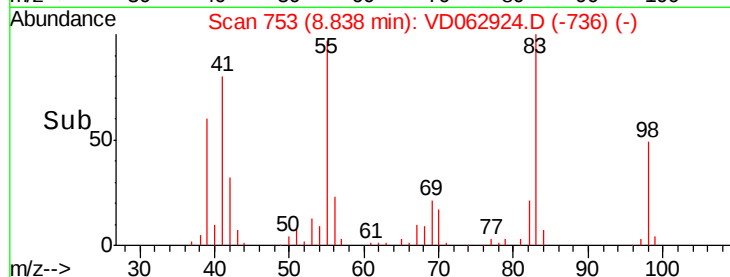
98 49.2 35.7 53.5



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: 51.674 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062924.D

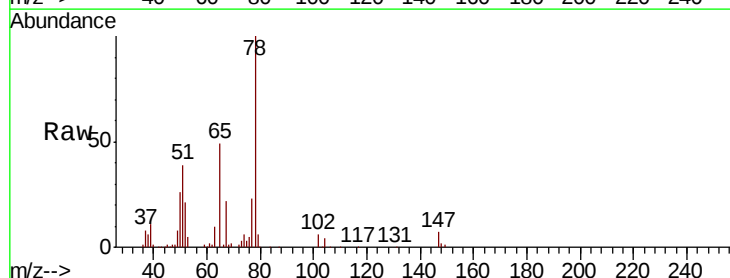
Acq: 27 Jun 2019 10:54

Tgt Ion: 78 Resp: 832100

Ion Ratio Lower Upper

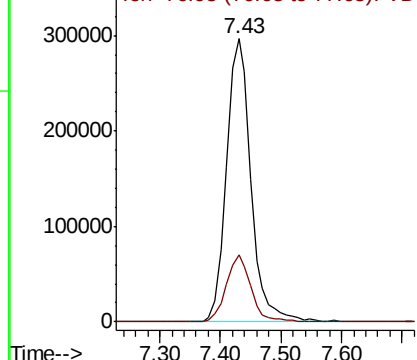
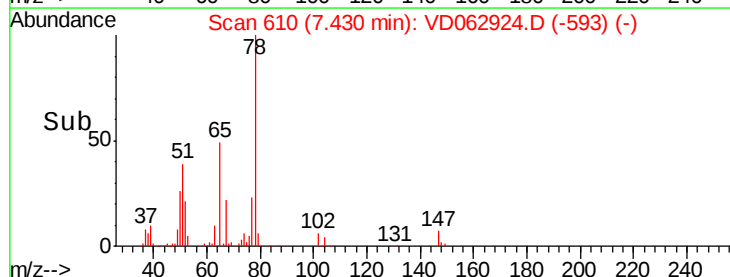
78 100

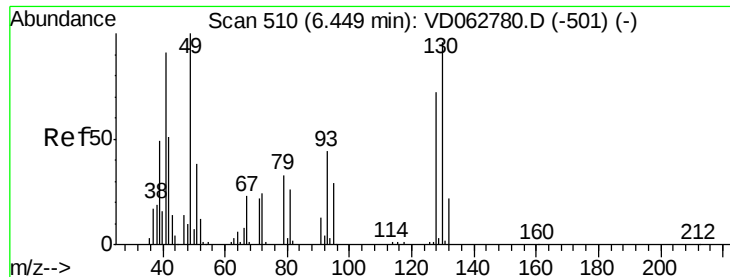
77 23.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

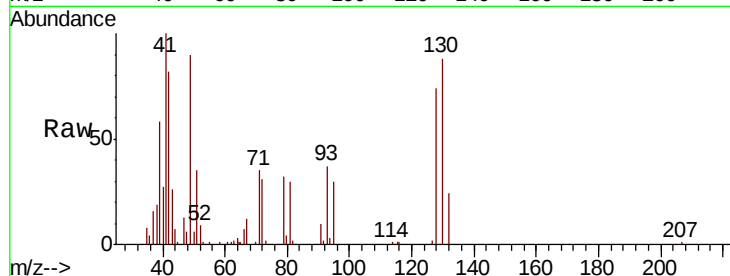




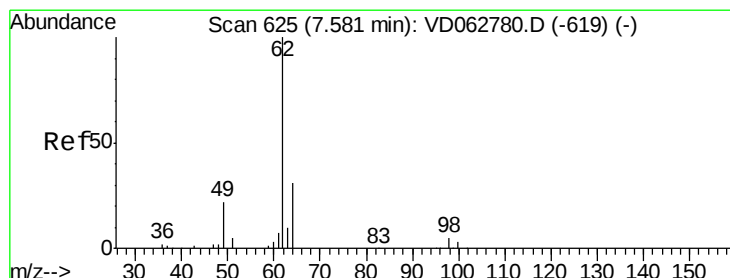
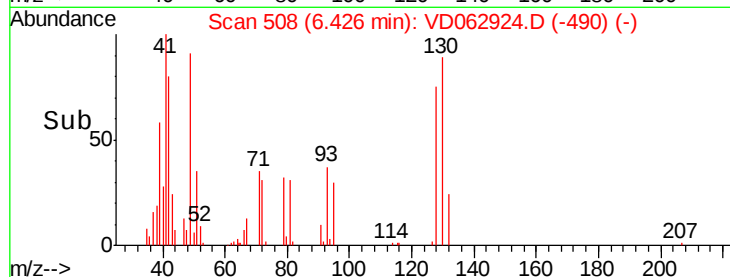
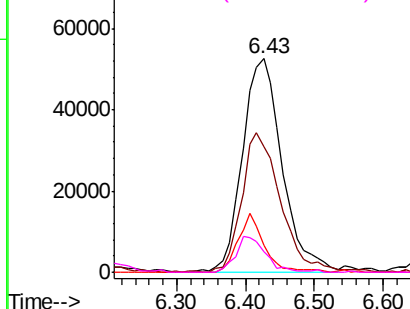
#41
Methacrylonitrile
Concen: 49.816 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 210749
Ion Ratio Lower Upper
41 100
39 58.5 43.2 64.8
67 12.4 19.9 29.9#
52 9.3 10.2 15.4#

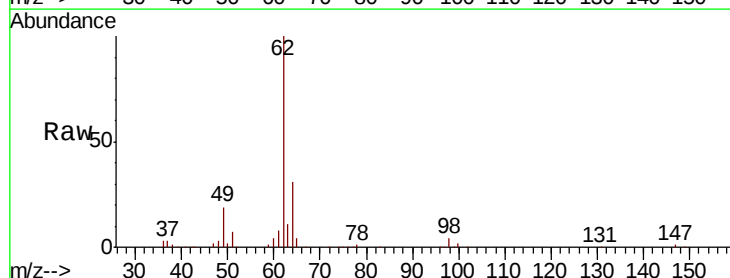


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

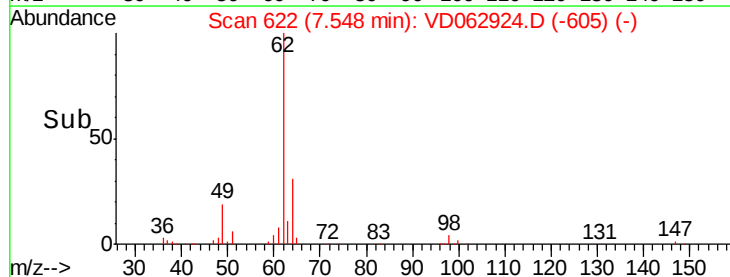
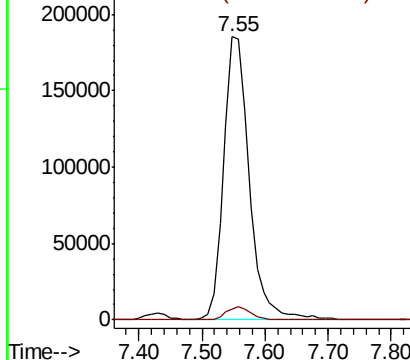


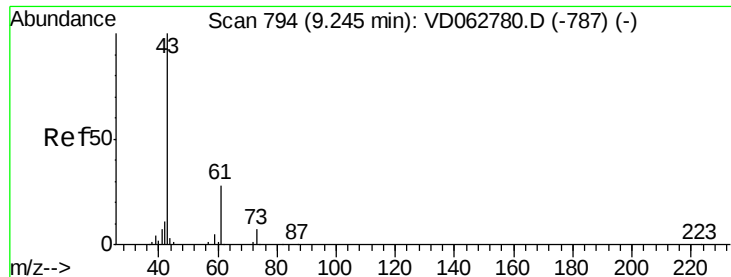
#42
1,2-Dichloroethane
Concen: 59.550 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 62 Resp: 523119
Ion Ratio Lower Upper
62 100
98 3.6 0.0 10.0



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

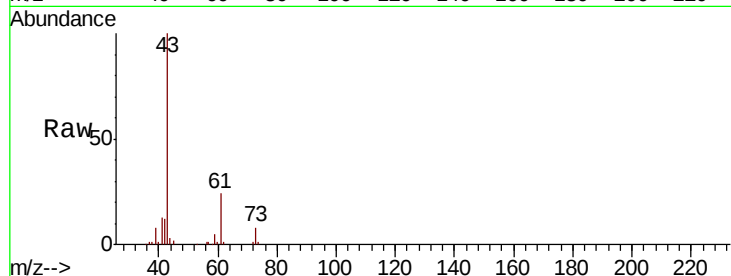




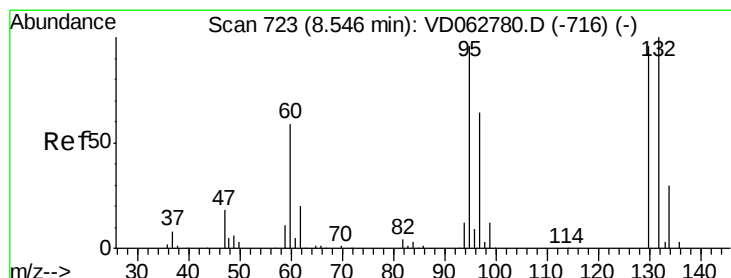
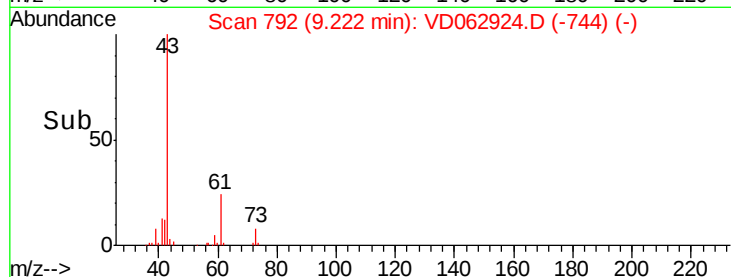
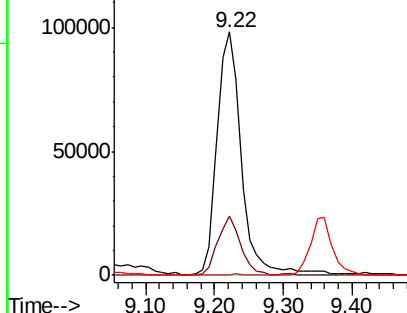
#43
Isopropyl Acetate
Concen: 56.523 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 237722
Ion Ratio Lower Upper
43 100
61 24.5 22.4 33.6
87 0.0 0.3 0.5#

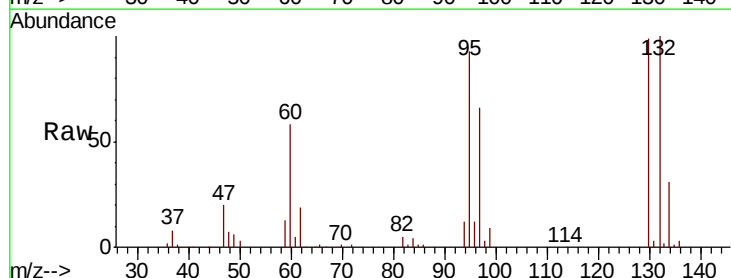


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

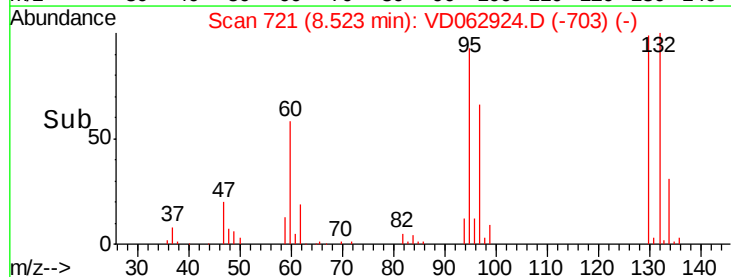
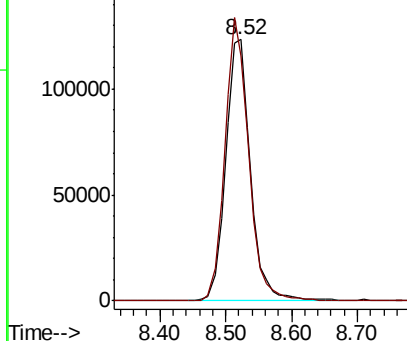


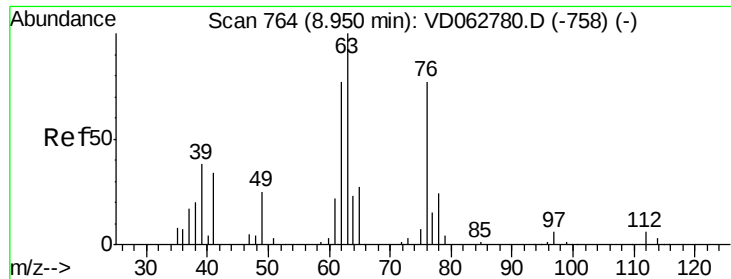
#44
Trichloroethene
Concen: 51.372 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:130 Resp: 324312
Ion Ratio Lower Upper
130 100
95 93.9 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: 51.145 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

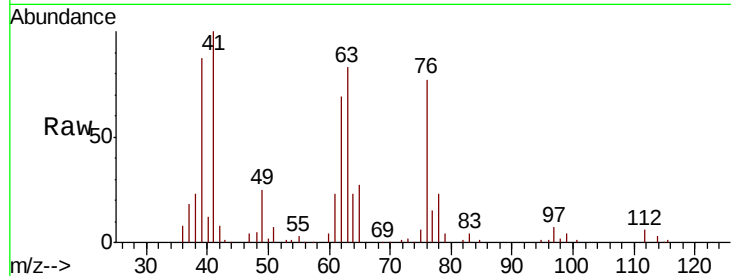
ClientSampleId :

Tot Ion: 63 Resp: 204790

Ion Ratio Lower Upper

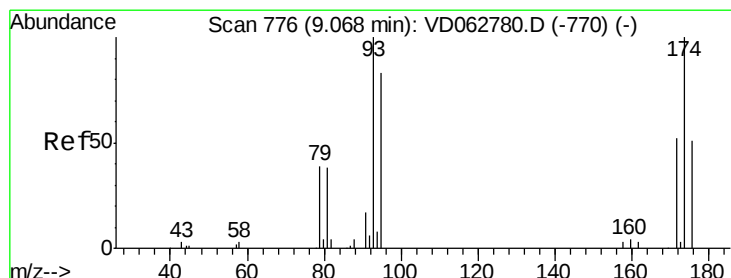
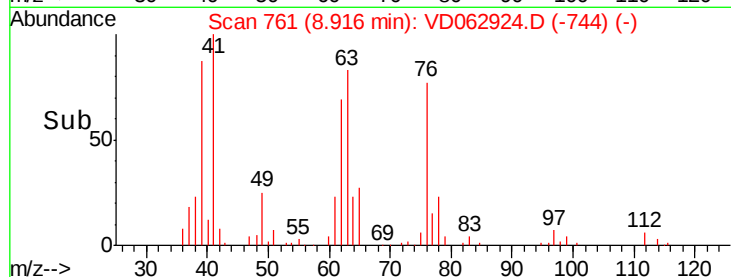
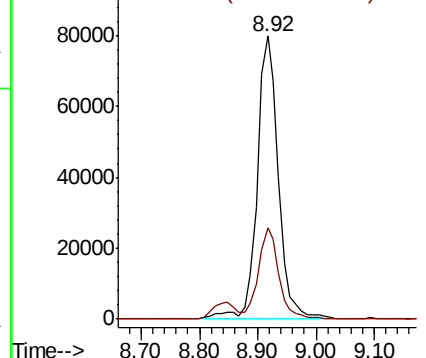
63 100

65 32.2 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: 55.700 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

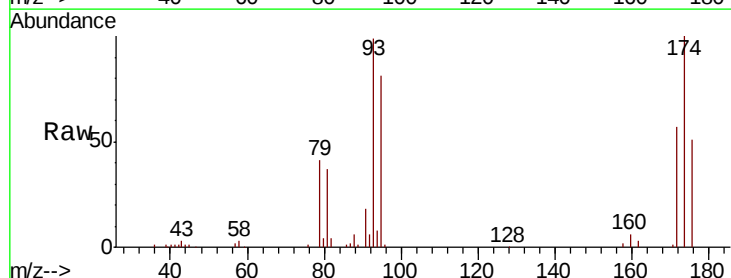
Tgt Ion: 93 Resp: 191583

Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

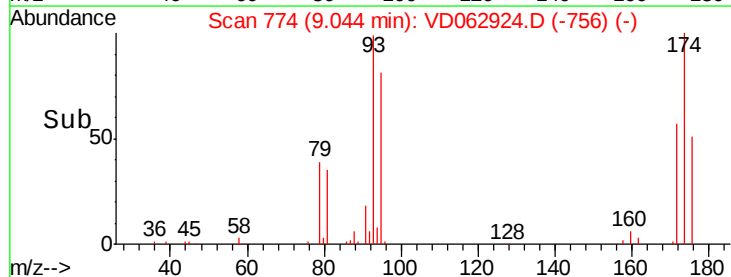
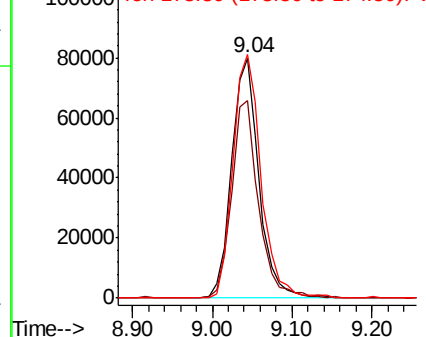
174 101.5 79.7 119.5

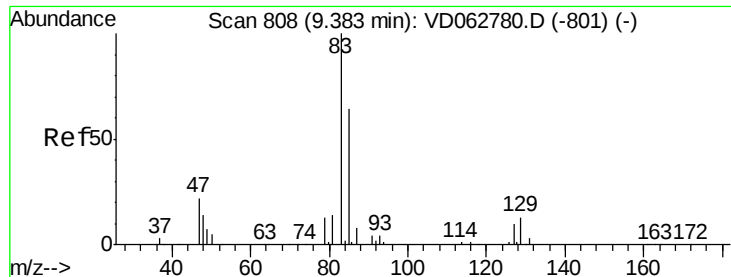


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 60.503 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

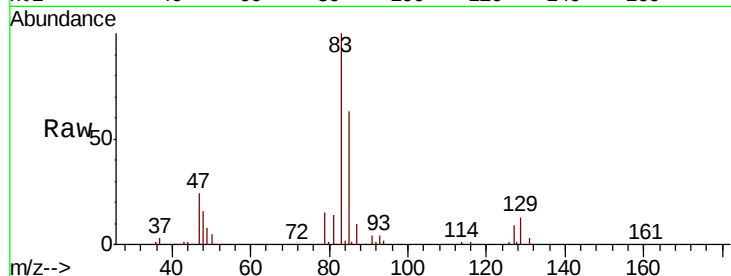
Tot Ion: 83 Resp: 540467

Ion Ratio Lower Upper

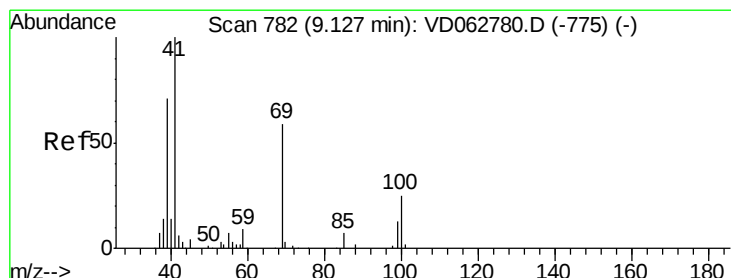
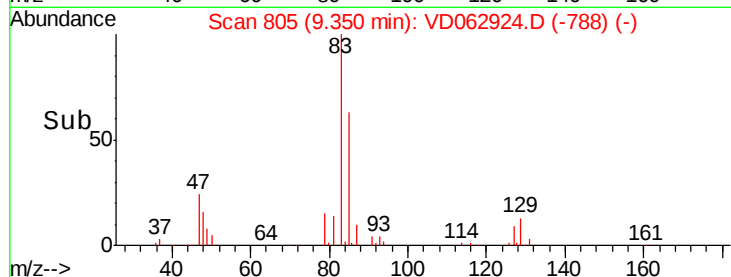
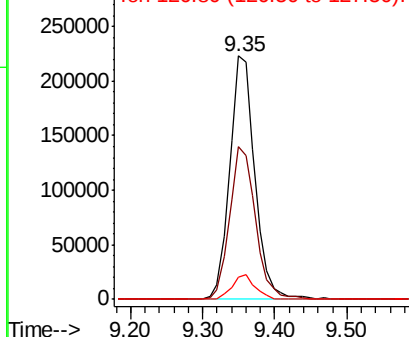
83 100

85 62.9 51.6 77.4

127 8.9 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: 54.568 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

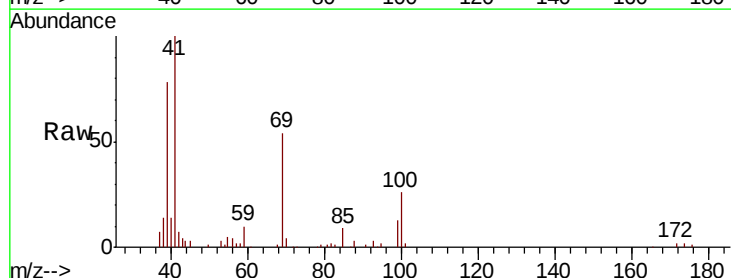
Tgt Ion: 41 Resp: 163090

Ion Ratio Lower Upper

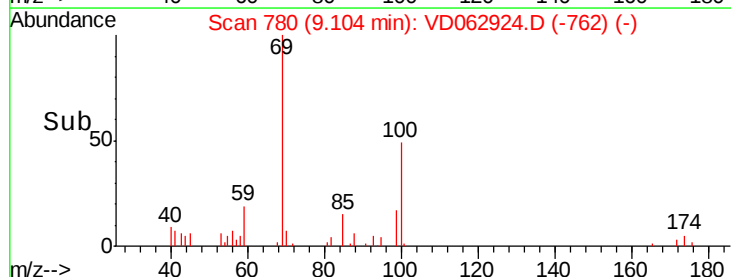
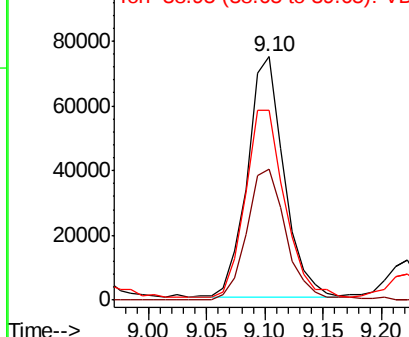
41 100

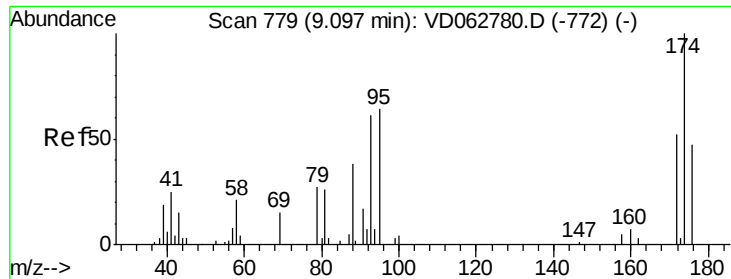
69 53.9 47.2 70.8

39 78.1 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

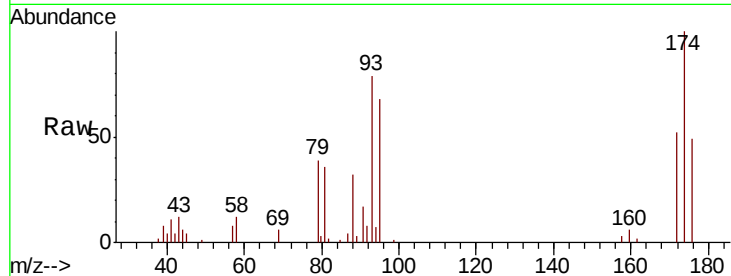




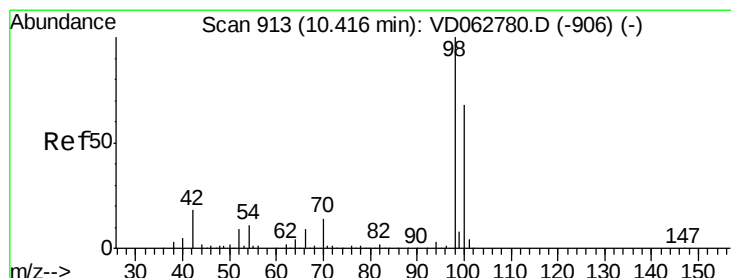
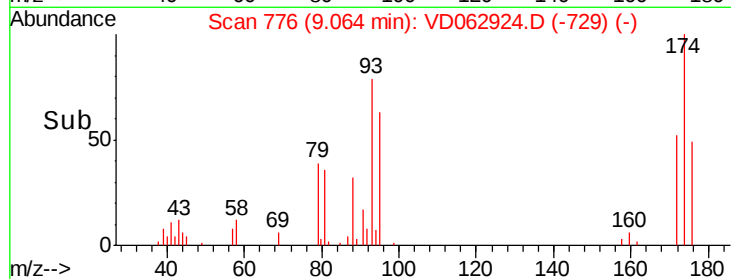
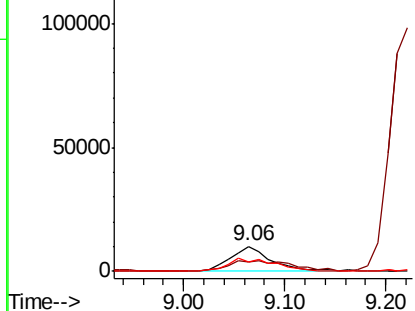
#49
1,4-Dioxane
Concen: 1113.563 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 27689
Ion Ratio Lower Upper
88 100
43 38.0 32.1 48.1
58 38.1 44.1 66.1#

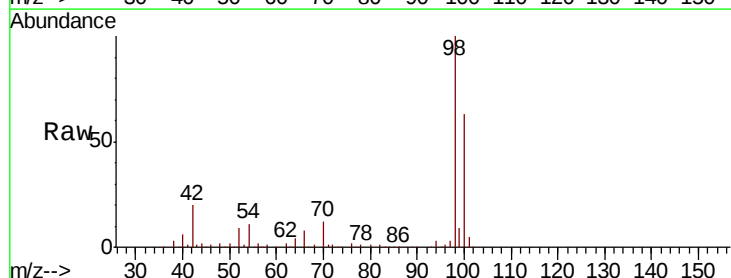


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

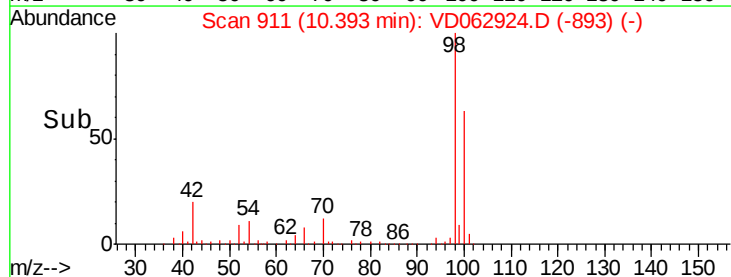
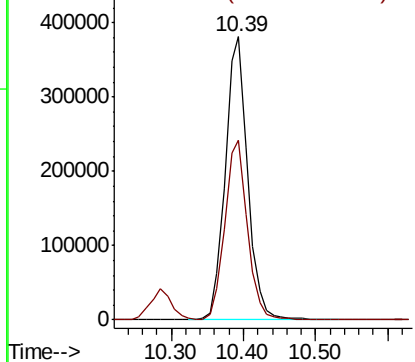


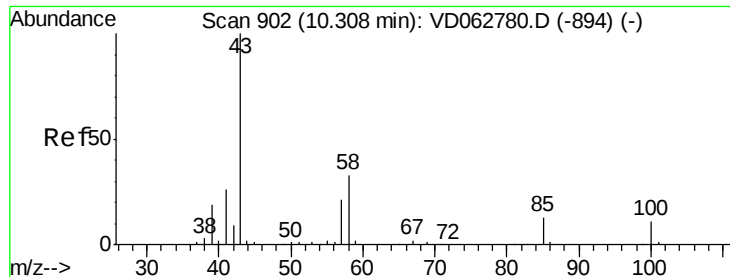
#50
Toluene-d8
Concen: 52.459 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 98 Resp: 815844
Ion Ratio Lower Upper
98 100
100 63.3 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: 277.257 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

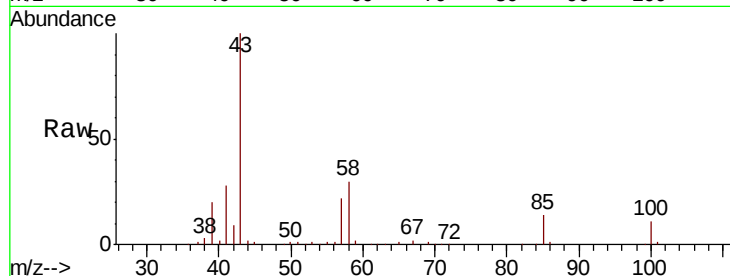
ClientSampleId :

Tot Ion: 43 Resp: 826739

Ion Ratio Lower Upper

43 100

58 29.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

400000

300000

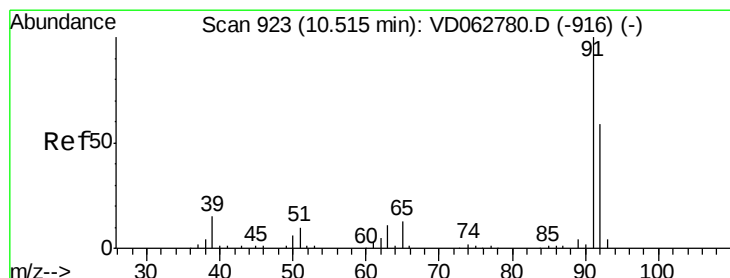
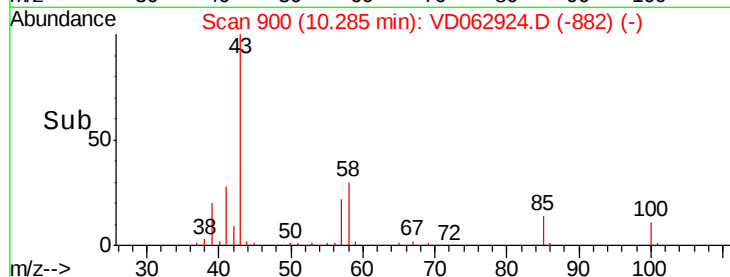
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 54.598 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062924.D

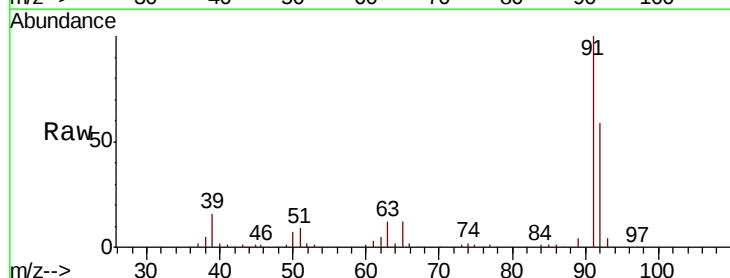
Acq: 27 Jun 2019 10:54

Tgt Ion: 92 Resp: 590991

Ion Ratio Lower Upper

92 100

91 170.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

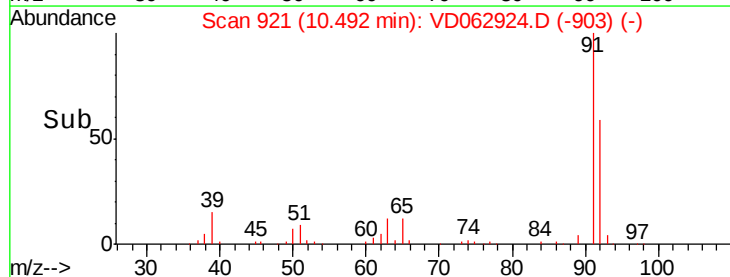
200000

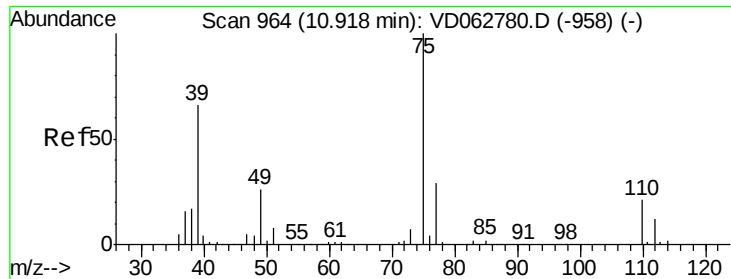
100000

0

Time-->

10.40 10.50 10.60

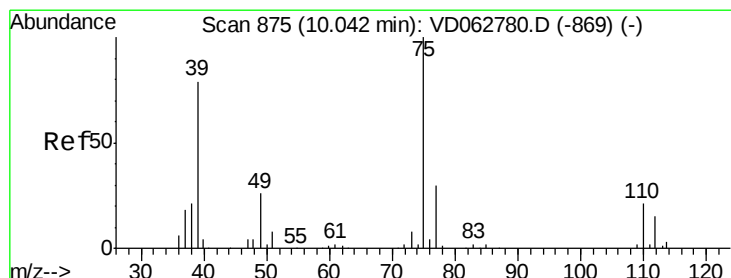
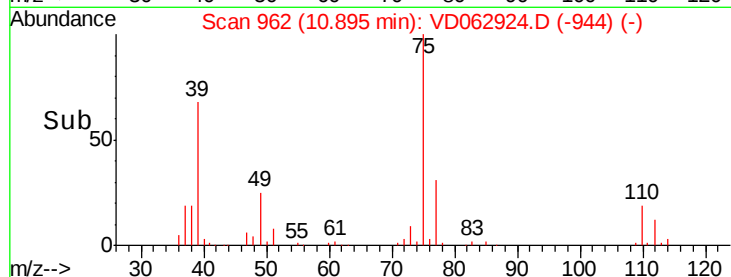
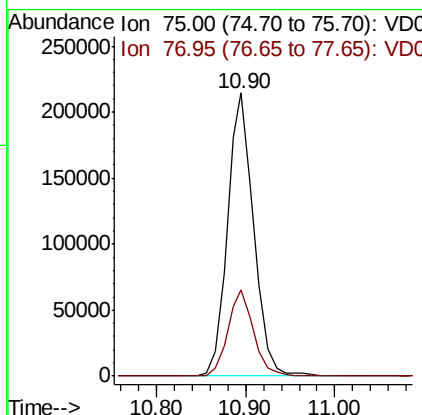
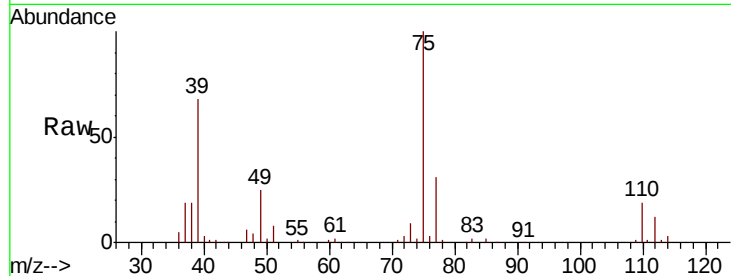




#53
 t-1,3-Dichloropropene
 Concen: 60.436 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

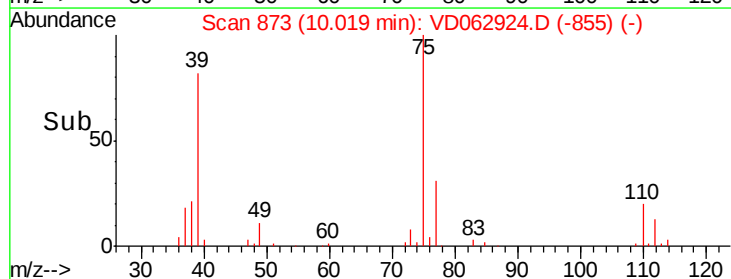
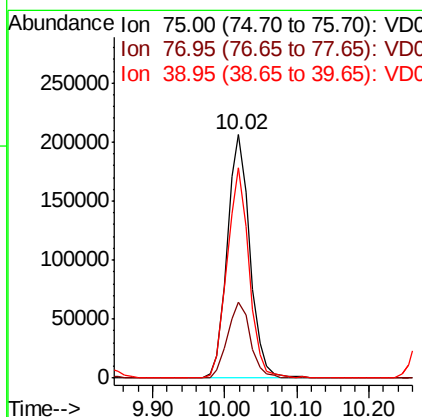
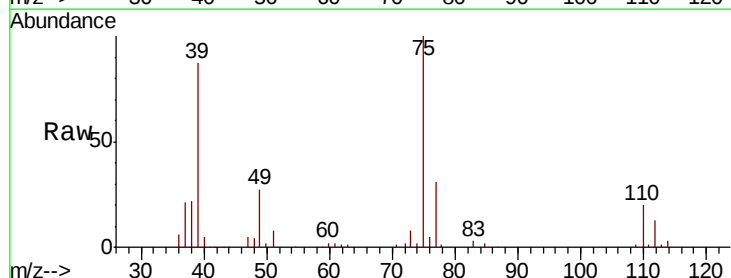
Instrument :
 MSVOA_D
 ClientSampleId :

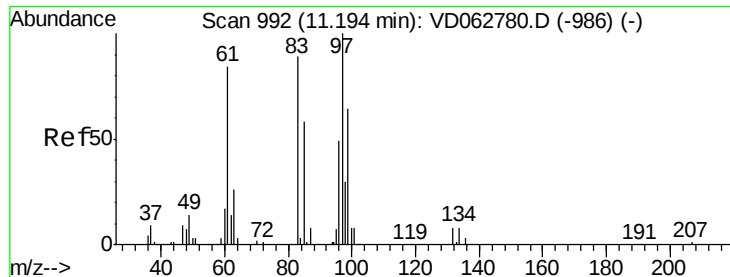
Tot Ion: 75 Resp: 441874
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.609 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 75 Resp: 449871
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.2
 39 86.5 63.5 95.3

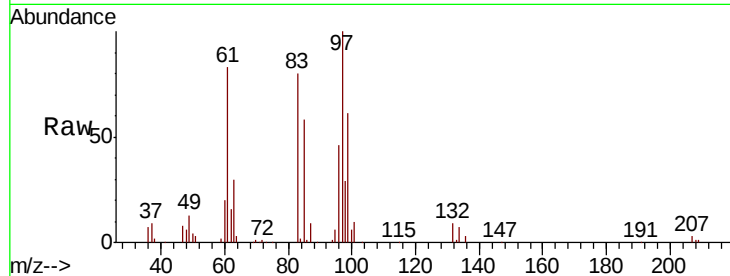




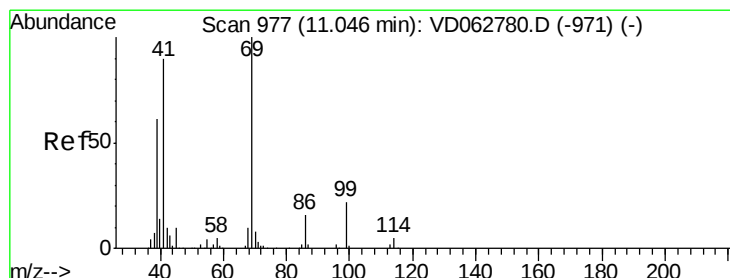
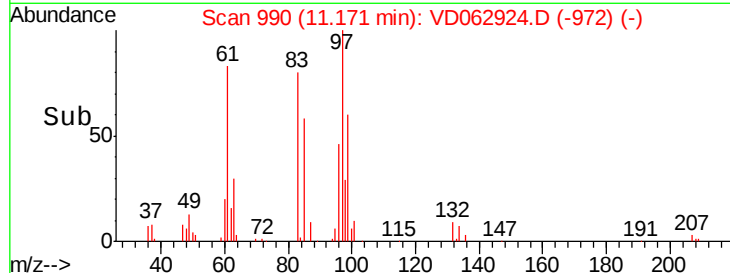
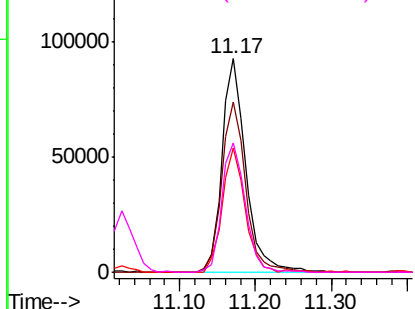
#55
 1,1,2-Trichloroethane
 Concen: 54.133 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	201314
Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.0	106.4
85	57.9	46.6	69.8
99	60.8	51.4	77.0

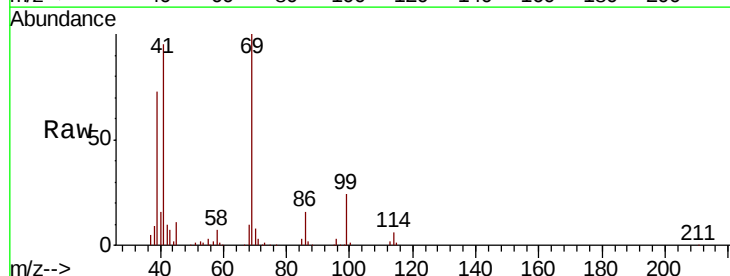


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

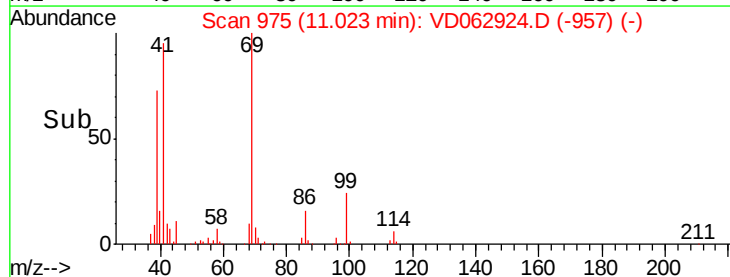
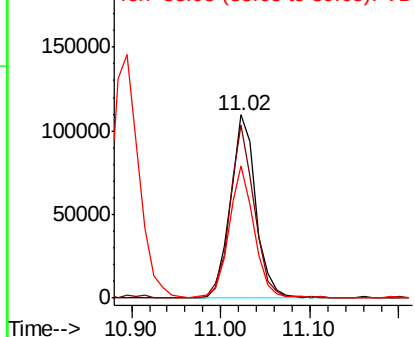


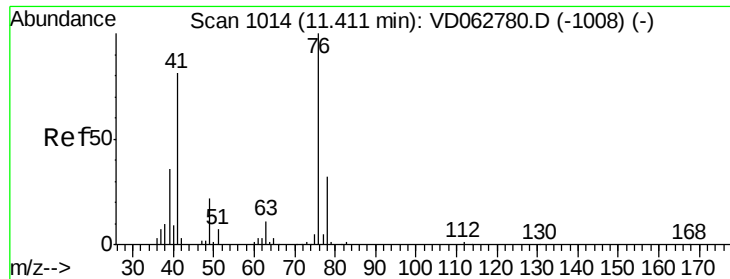
#56
 Ethyl methacrylate
 Concen: 55.208 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:	69	Resp:	219412
Ion	Ratio	Lower	Upper
69	100		
41	94.6	72.0	108.0
39	72.6	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: 53.871 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

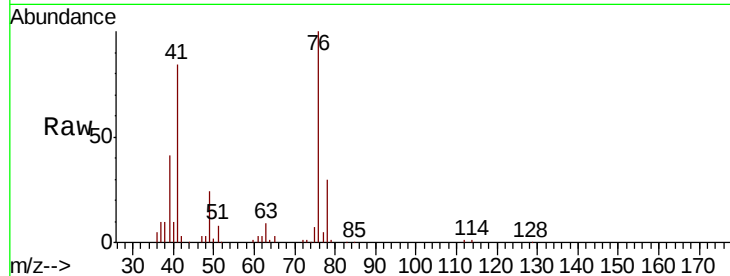
ClientSampleId :

Tot Ion: 76 Resp: 306751

Ion Ratio Lower Upper

76 100

78 29.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

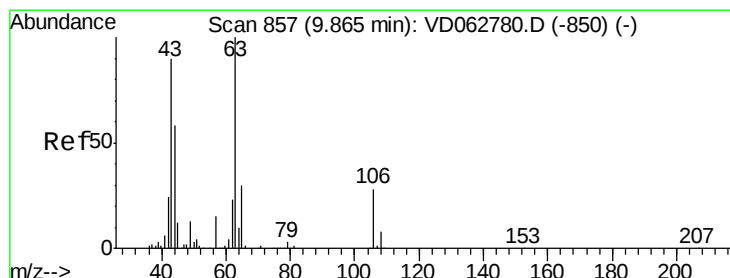
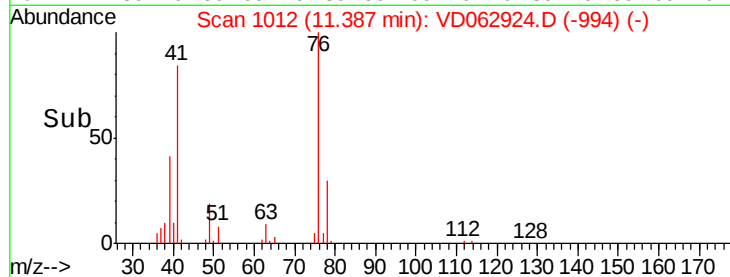
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.322 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062924.D

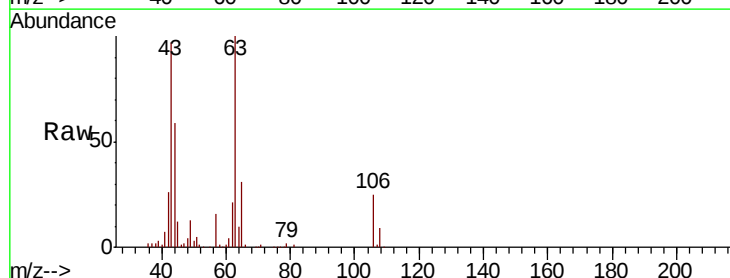
Acq: 27 Jun 2019 10:54

Tgt Ion: 63 Resp: 551550

Ion Ratio Lower Upper

63 100

106 25.4 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

300000

250000

200000

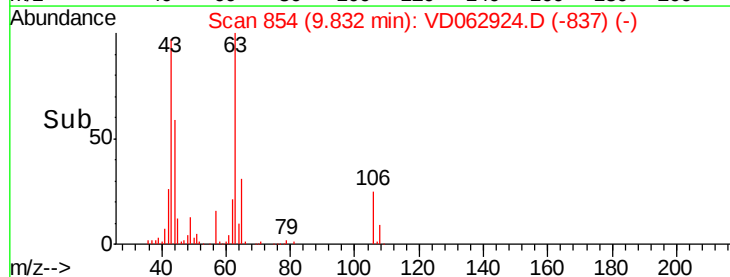
150000

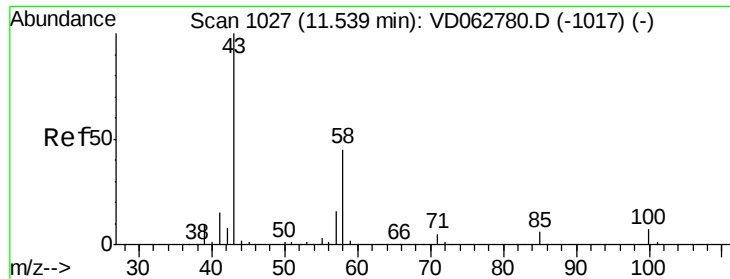
100000

50000

0

Time-->

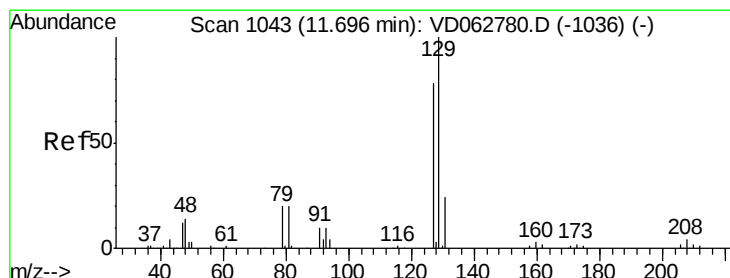
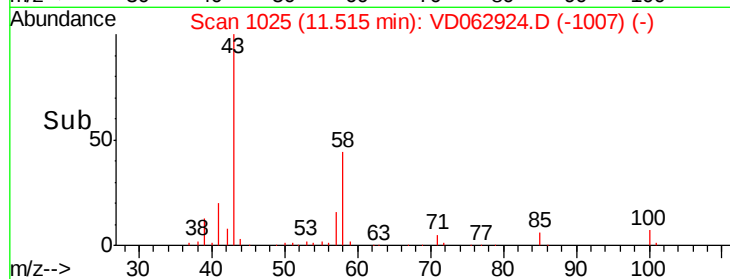
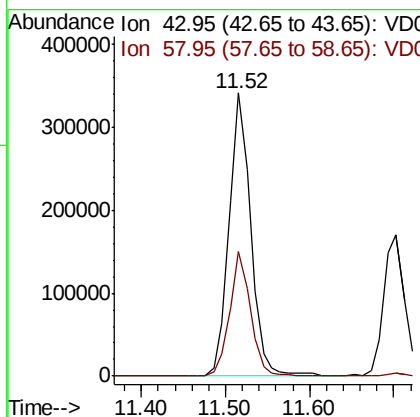
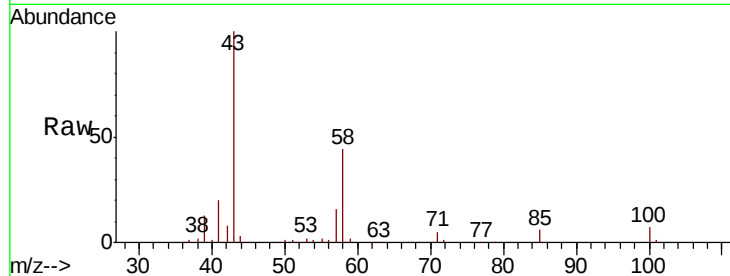




#59
2-Hexanone
Concen: 289.074 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

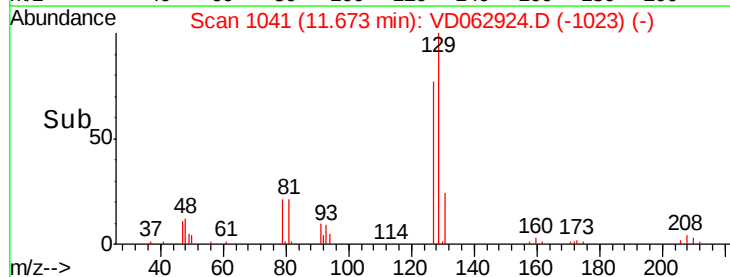
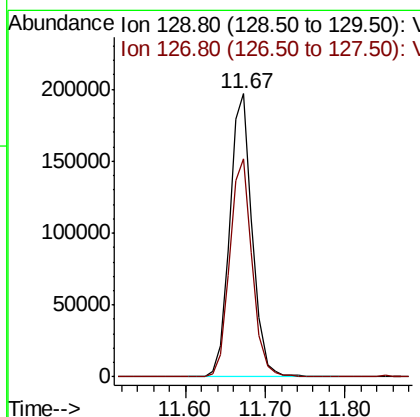
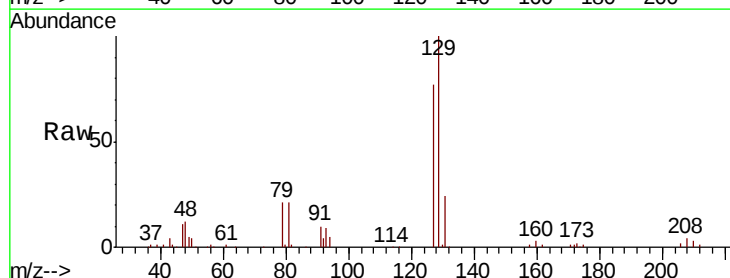
Instrument :
MSVOA_D
ClientSampleId :

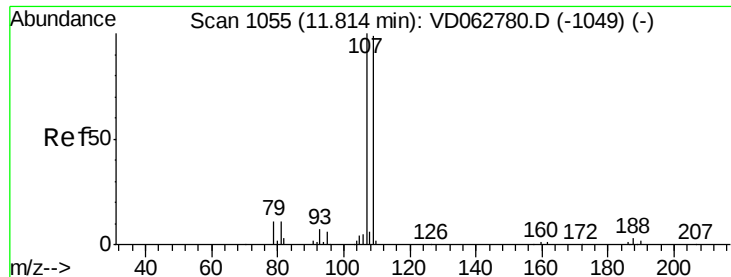
Tot Ion: 43 Resp: 613890
Ion Ratio Lower Upper
43 100
58 43.9 22.4 67.2



#60
Dibromochloromethane
Concen: 56.050 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:129 Resp: 388253
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6

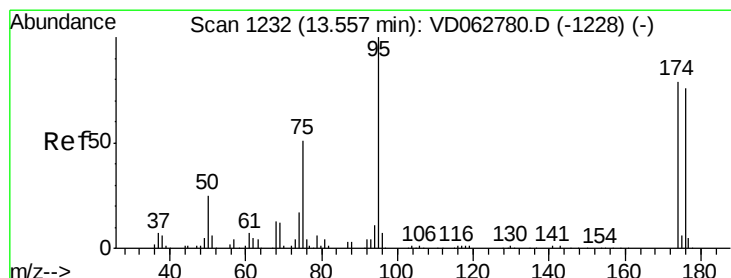
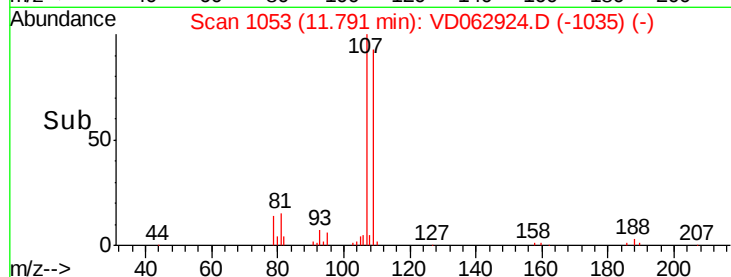
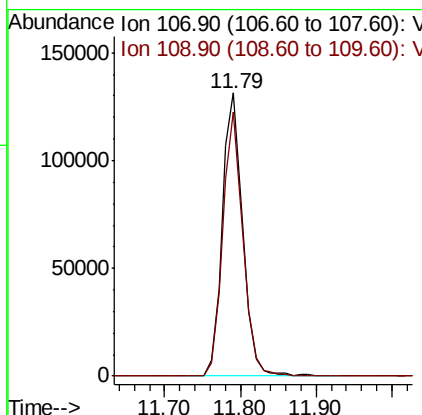
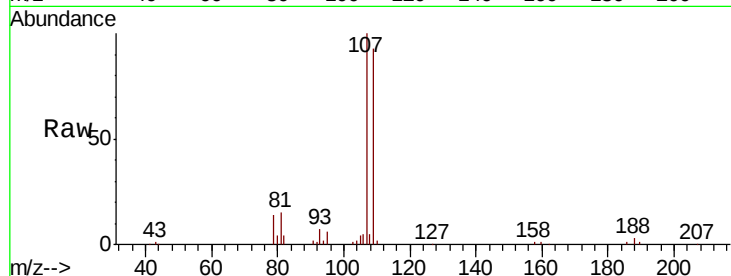




#61
 1,2-Dibromoethane
 Concen: 55.707 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

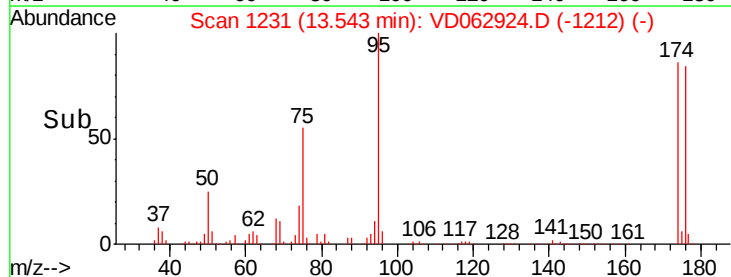
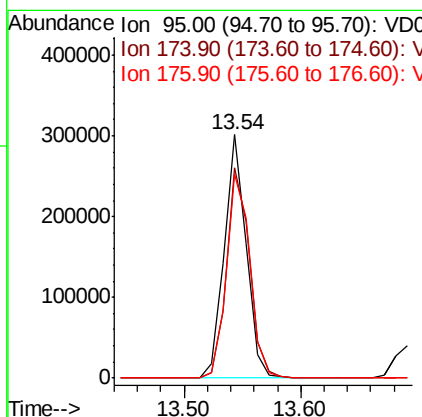
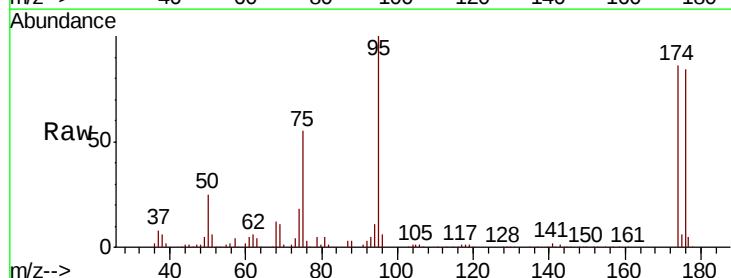
Instrument :
 MSVOA_D
 ClientSampleId :

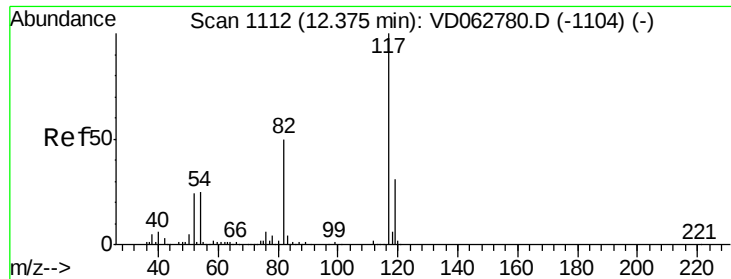
Tot Ion:107 Resp: 244674
 Ion Ratio Lower Upper
 107 100
 109 93.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 55.610 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 95 Resp: 393248
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 158.0
 176 83.6 0.0 151.6

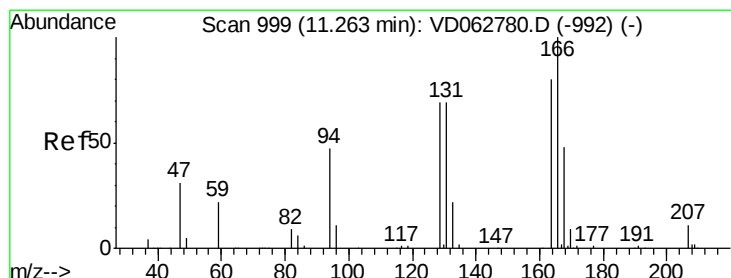
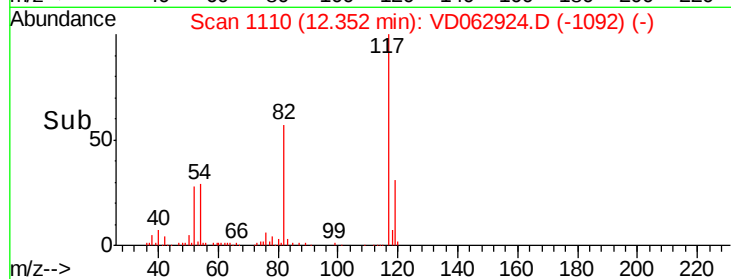
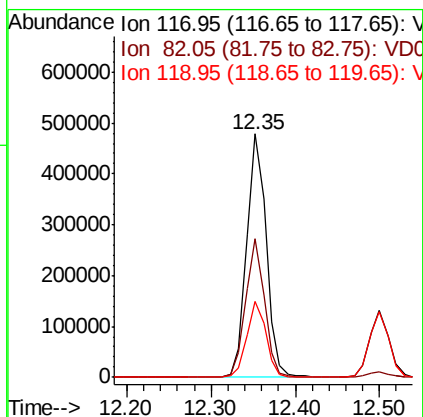
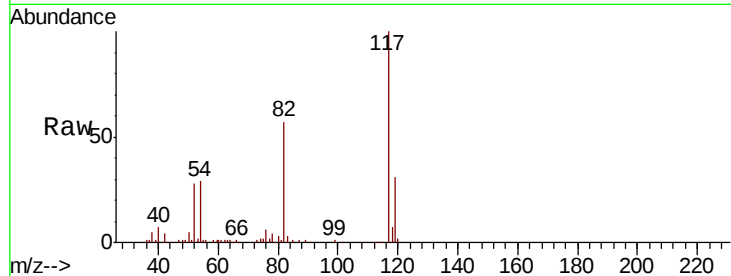




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

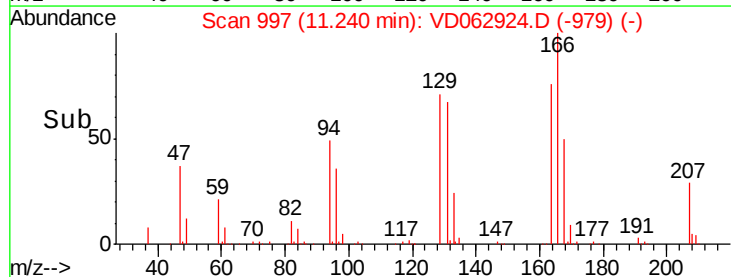
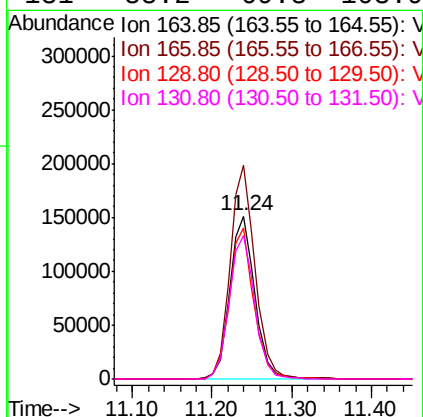
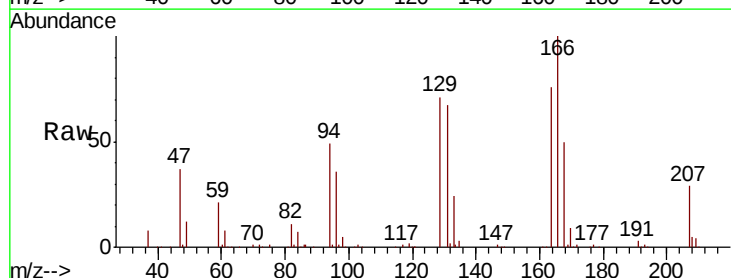
Instrument :
MSVOA_D
ClientSampled :

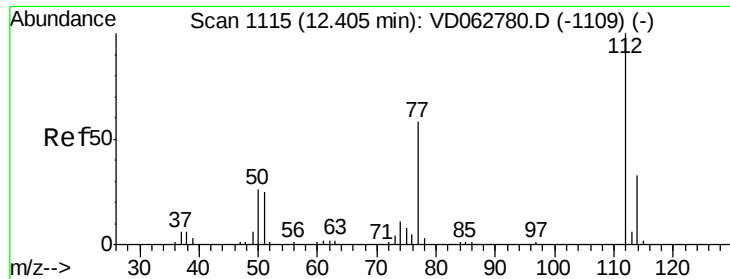
Tot Ion:117 Resp: 780023
Ion Ratio Lower Upper
117 100
82 56.7 40.4 60.6
119 31.3 25.2 37.8



#64
Tetrachloroethene
Concen: 51.707 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:164 Resp: 331948
Ion Ratio Lower Upper
164 100
166 130.9 100.6 150.8
129 92.9 69.4 104.0
131 88.2 69.3 103.9

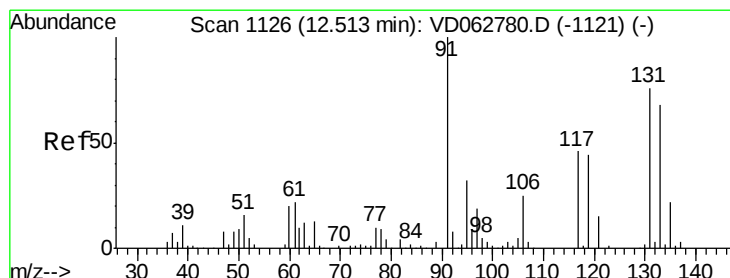
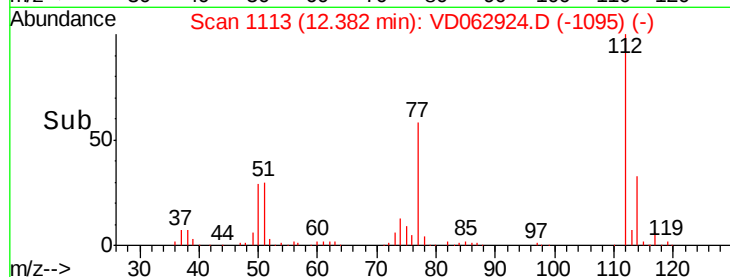
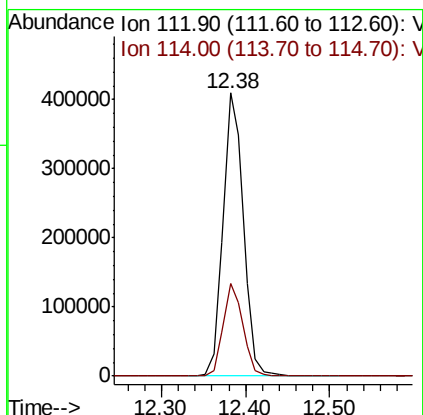
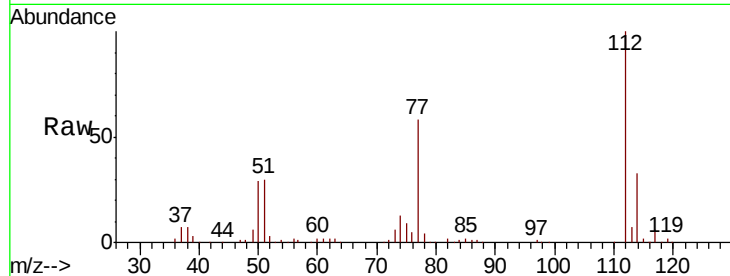




#65
Chlorobenzene
Concen: 47.468 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

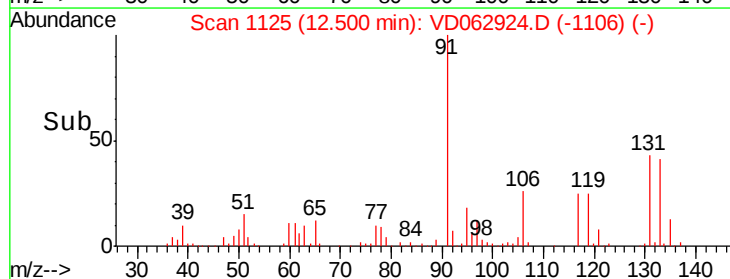
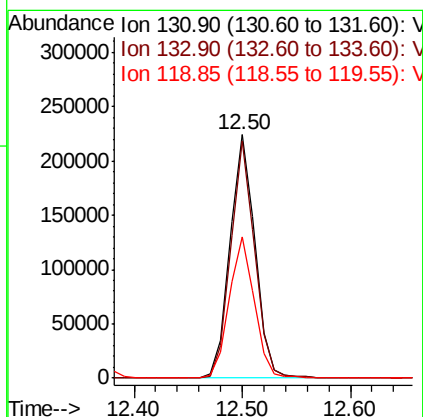
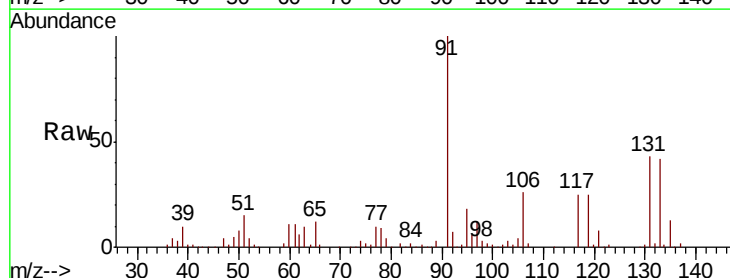
Instrument :
MSVOA_D
ClientSampled :

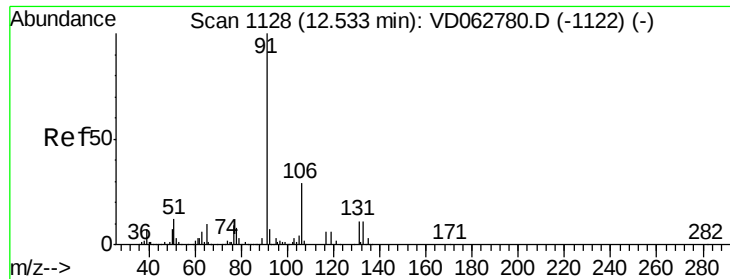
Tot Ion:112 Resp: 687172
Ion Ratio Lower Upper
112 100
114 32.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.397 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:131 Resp: 361498
Ion Ratio Lower Upper
131 100
133 97.4 44.5 133.3
119 57.8 28.6 85.9

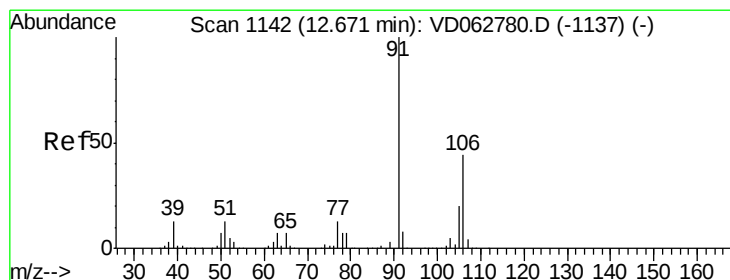
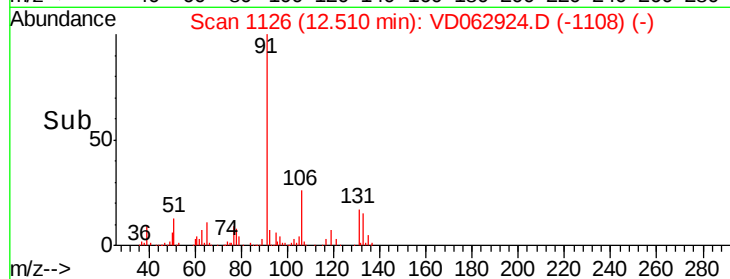
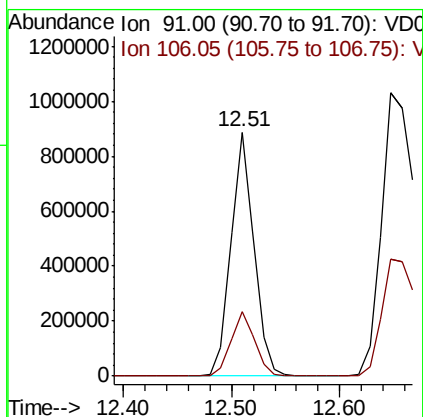
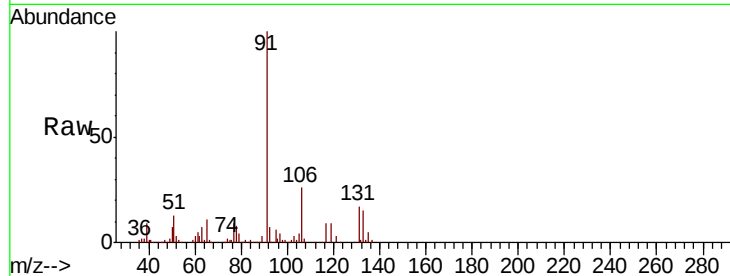




#67
Ethyl Benzene
Concen: 50.837 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

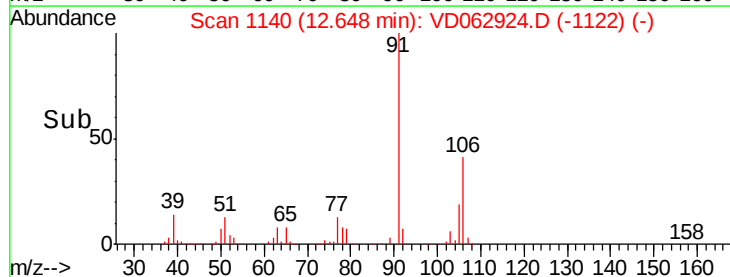
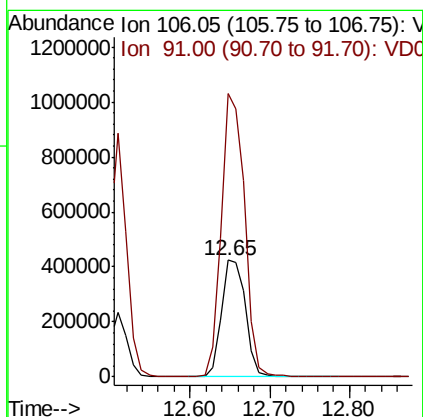
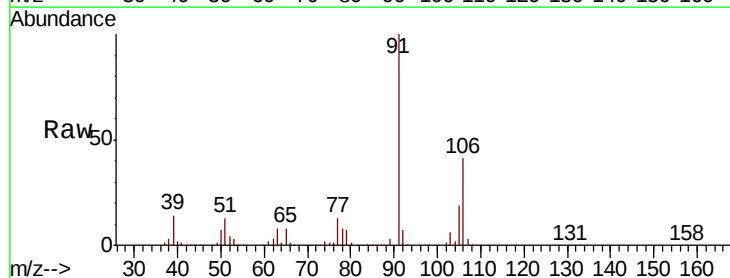
Instrument :
MSVOA_D
ClientSampled :

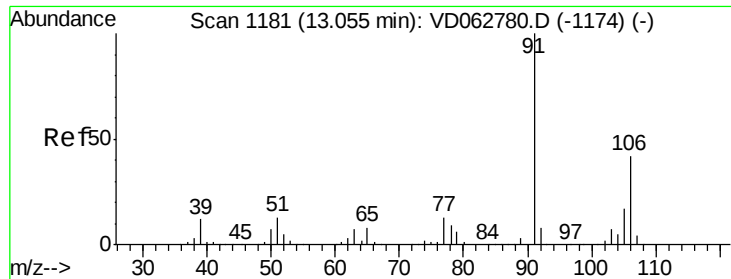
Tot Ion: 91 Resp: 1321280
Ion Ratio Lower Upper
91 100
106 26.3 23.1 34.7



#68
m/p-Xylenes
Concen: 99.605 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 106 Resp: 901659
Ion Ratio Lower Upper
106 100
91 243.2 183.0 274.6

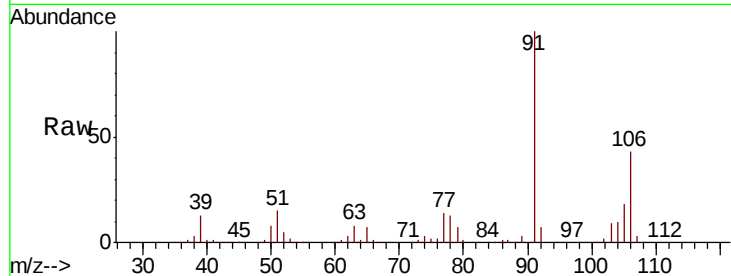




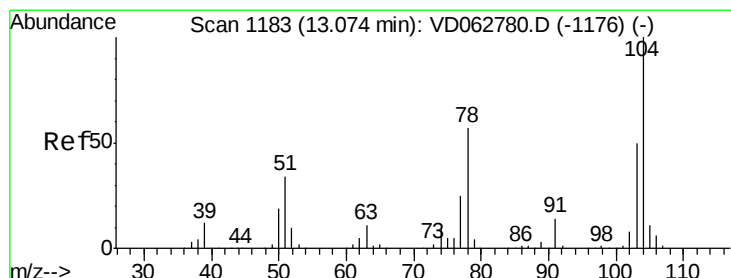
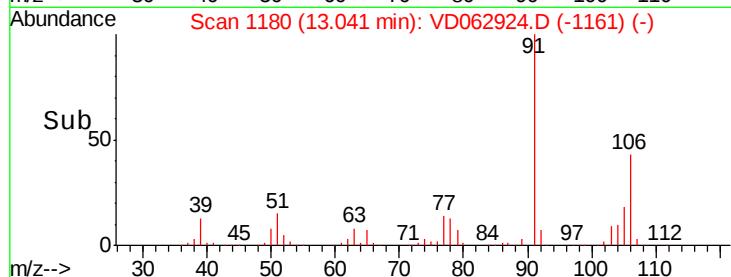
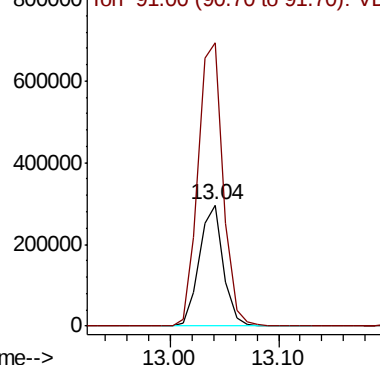
#69
o-Xylene
Concen: 55.006 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 455182
Ion Ratio Lower Upper
106 100
91 233.7 117.9 353.6

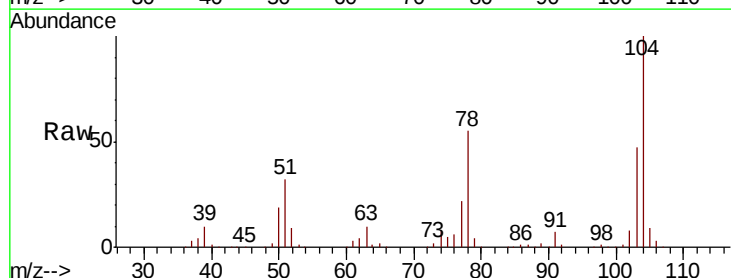


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

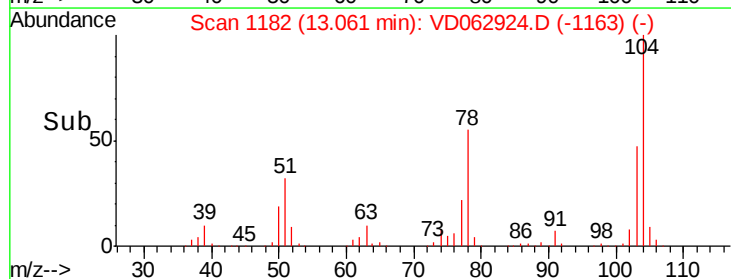
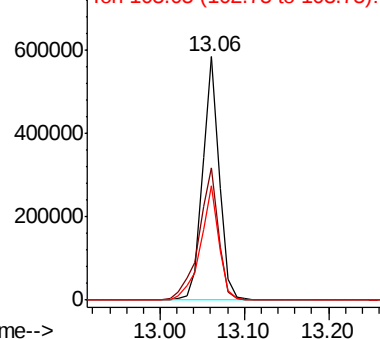


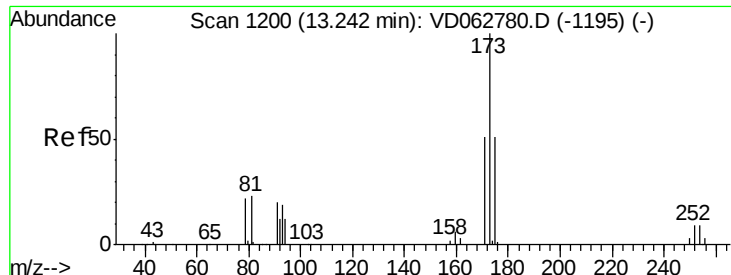
#70
Styrene
Concen: 54.770 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:104 Resp: 796092
Ion Ratio Lower Upper
104 100
78 54.5 45.4 68.2
103 46.9 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: 53.699 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

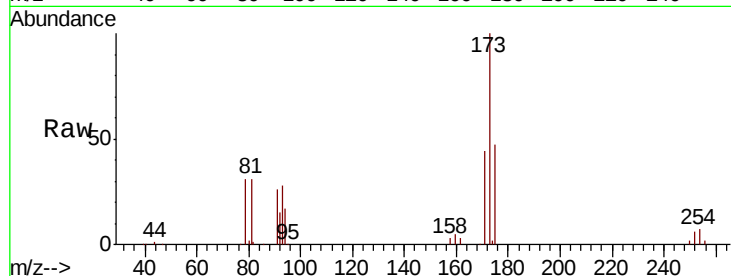
Tot Ion:173 Resp: 249077

Ion Ratio Lower Upper

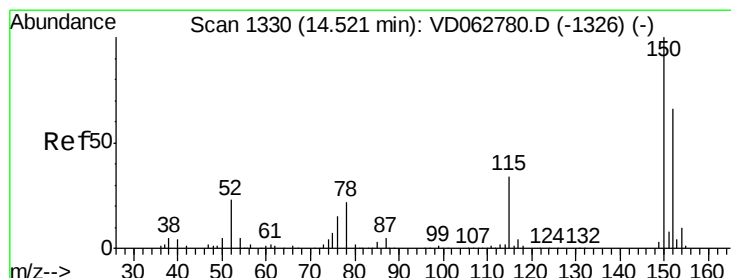
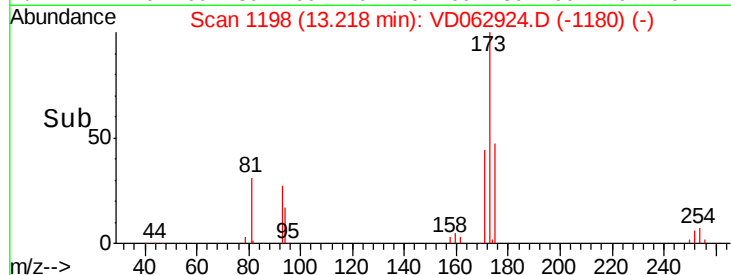
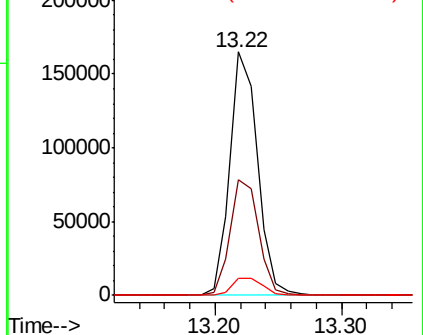
173 100

175 47.5 25.3 75.9

254 7.2 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: VD062924.D

Acq: 27 Jun 2019 10:54

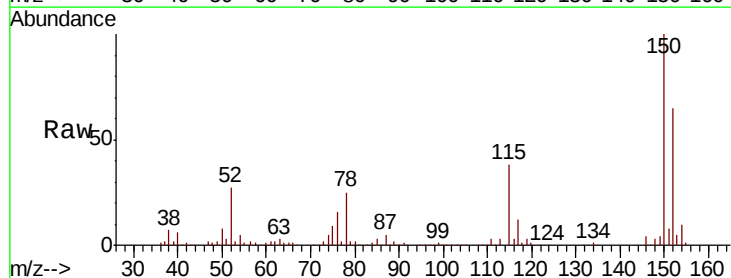
Tgt Ion:152 Resp: 445293

Ion Ratio Lower Upper

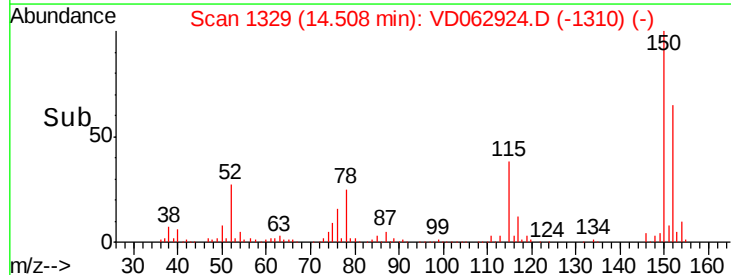
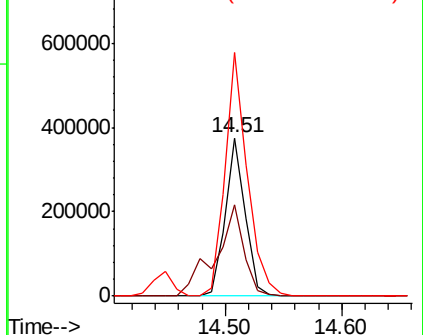
152 100

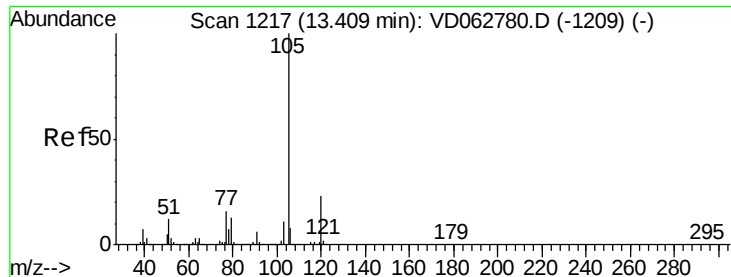
115 57.9 29.2 87.6

150 153.7 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: 47.649 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

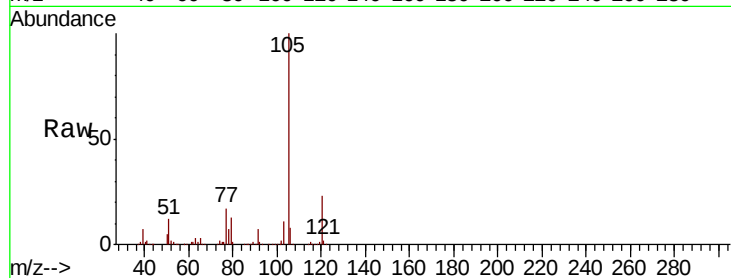
ClientSampleId :

Tot Ion:105 Resp: 1360433

Ion Ratio Lower Upper

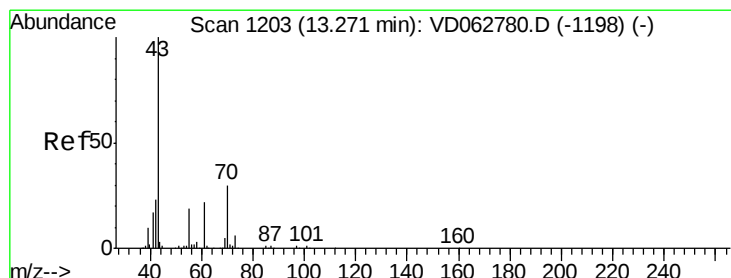
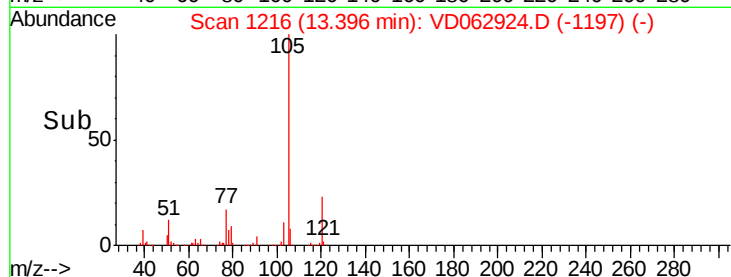
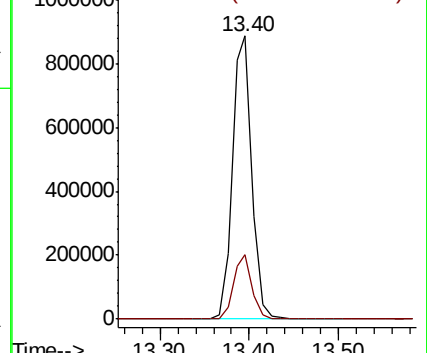
105 100

120 23.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.044 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 360856

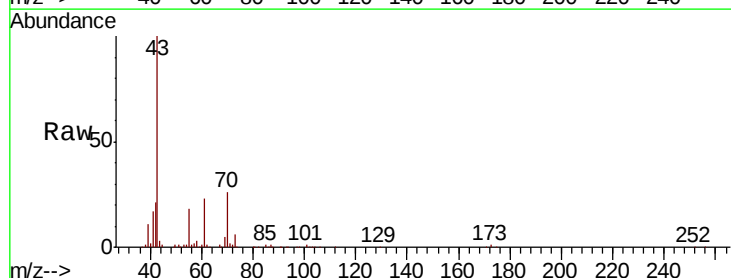
Ion Ratio Lower Upper

43 100

70 26.1 24.4 36.6

55 18.1 15.2 22.8

61 23.4 17.4 26.2

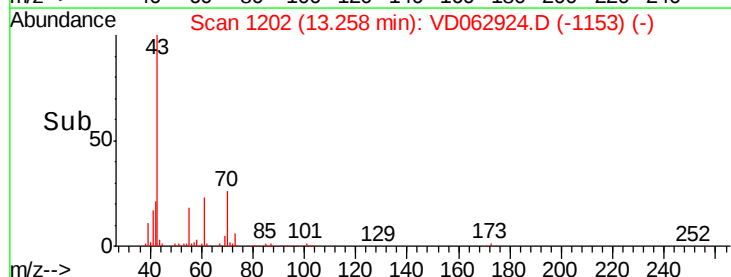
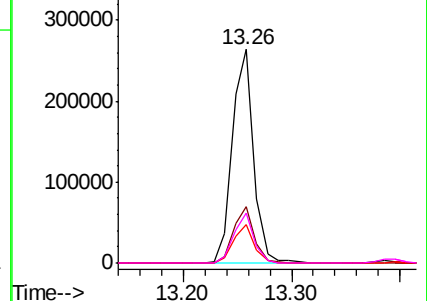


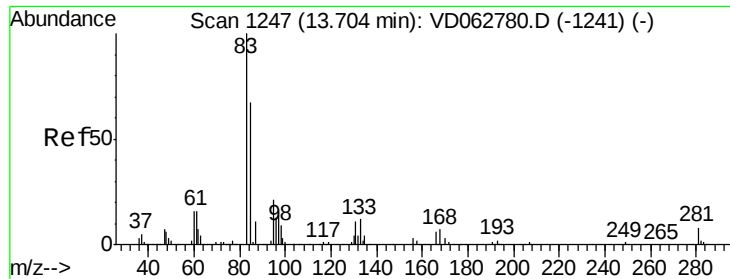
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.172 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

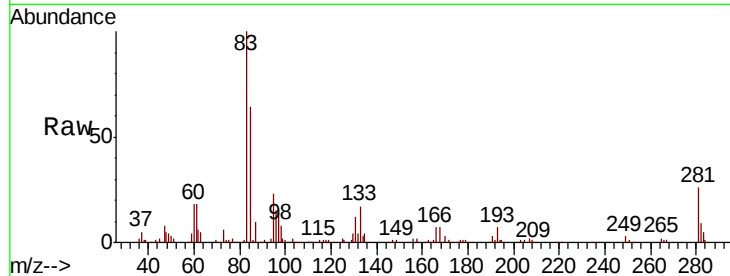
Tot Ion: 83 Resp: 238051

Ion Ratio Lower Upper

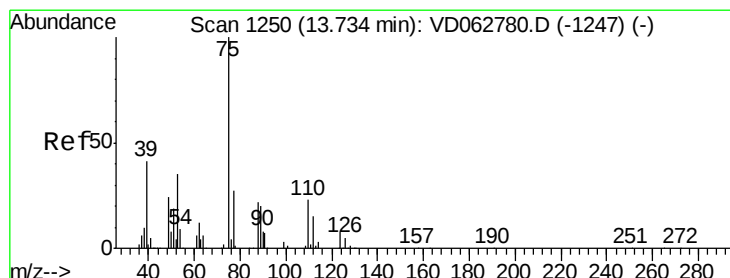
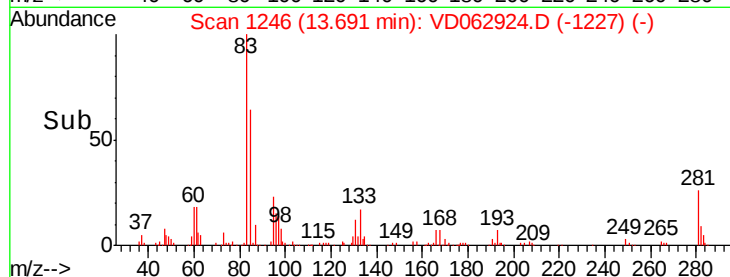
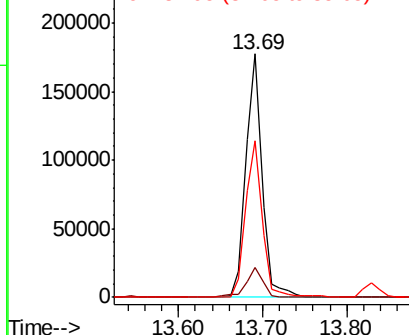
83 100

131 12.1 5.3 16.1

85 64.3 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: 51.034 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062924.D

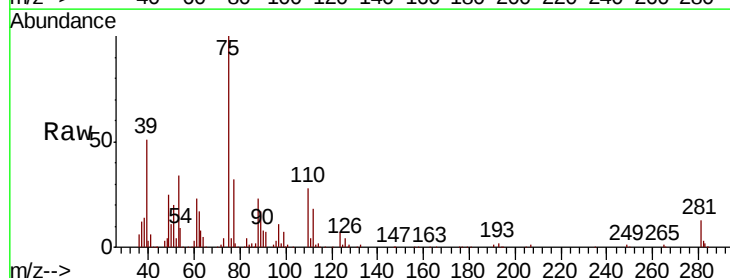
Acq: 27 Jun 2019 10:54

Tgt Ion: 75 Resp: 262343

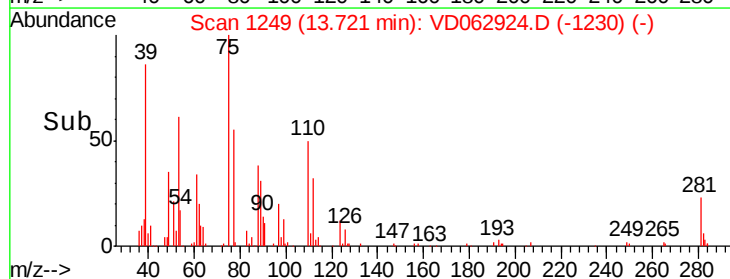
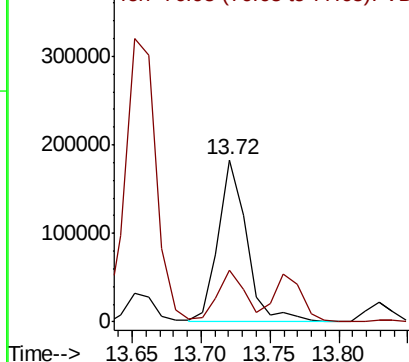
Ion Ratio Lower Upper

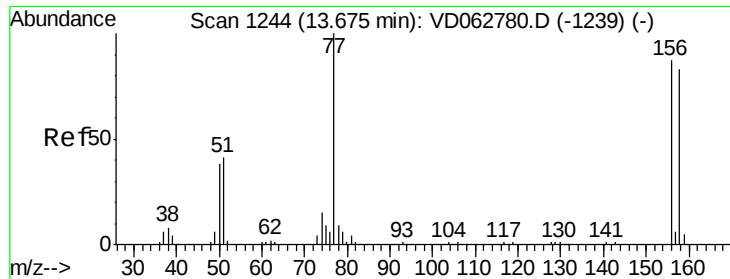
75 100

77 31.6 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: 47.955 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

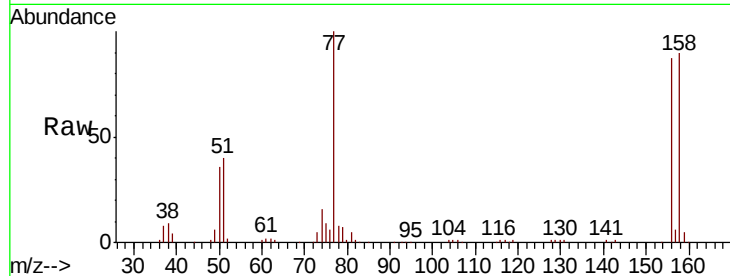
Tot Ion:156 Resp: 368270

Ion Ratio Lower Upper

156 100

77 114.8 57.7 173.1

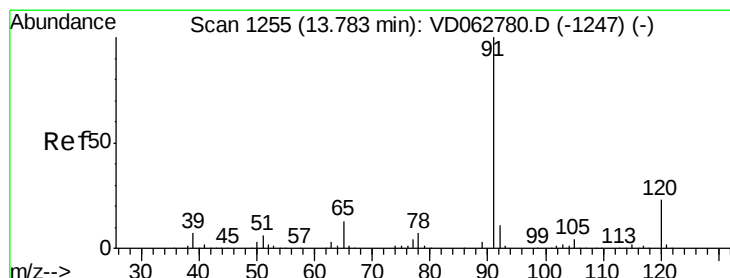
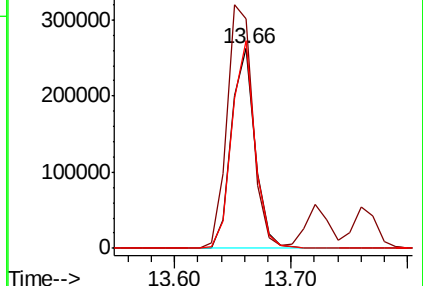
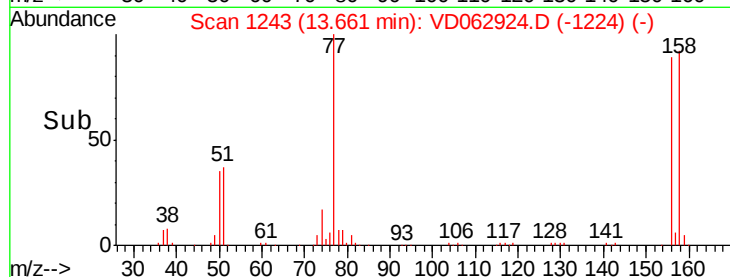
158 103.7 47.7 143.1



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: 50.279 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062924.D

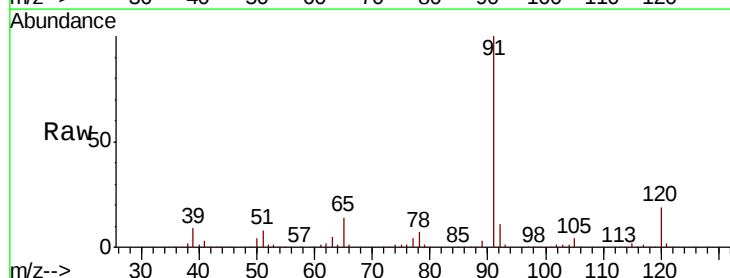
Acq: 27 Jun 2019 10:54

Tgt Ion: 91 Resp: 1670823

Ion Ratio Lower Upper

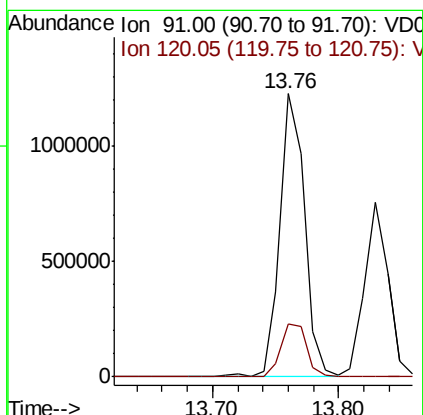
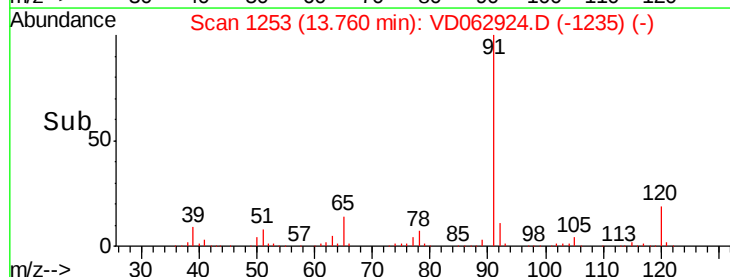
91 100

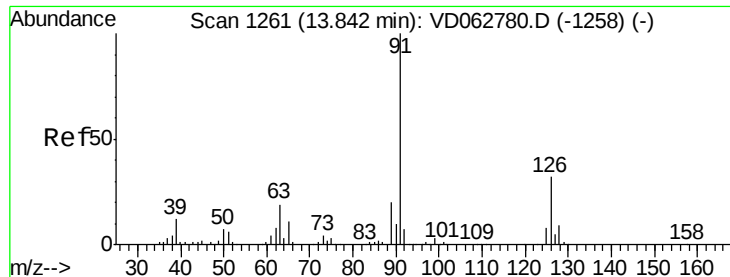
120 18.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

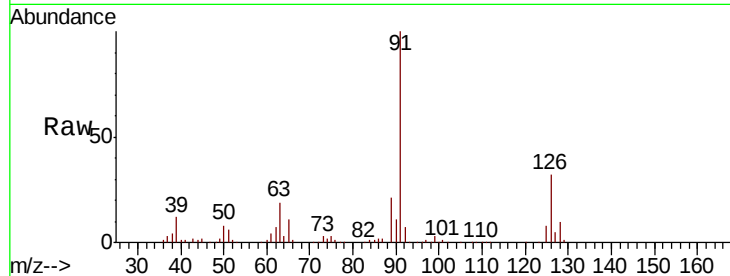




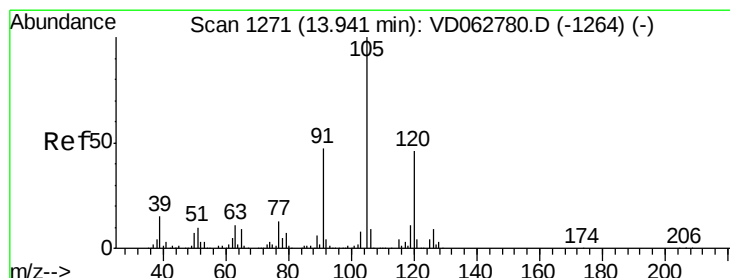
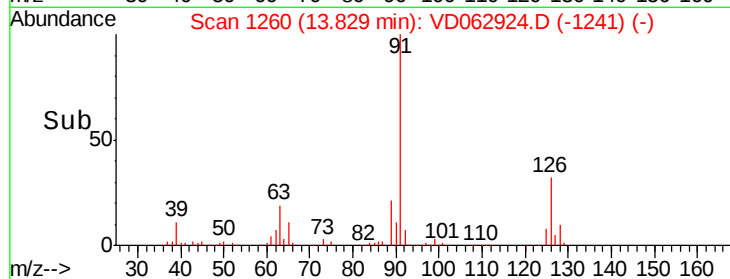
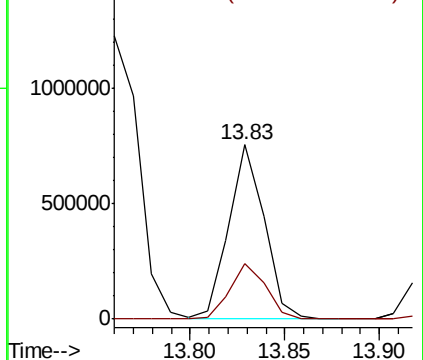
#79
 2-Chlorotoluene
 Concen: 51.481 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 977680
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.7 47.1

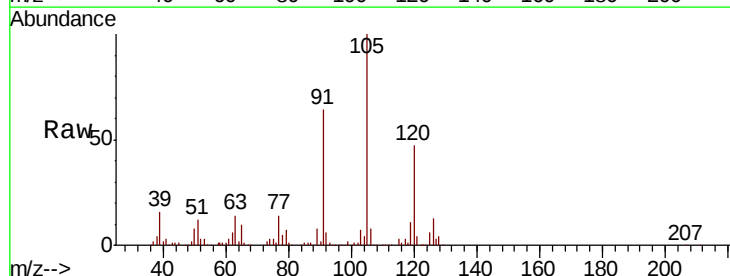


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

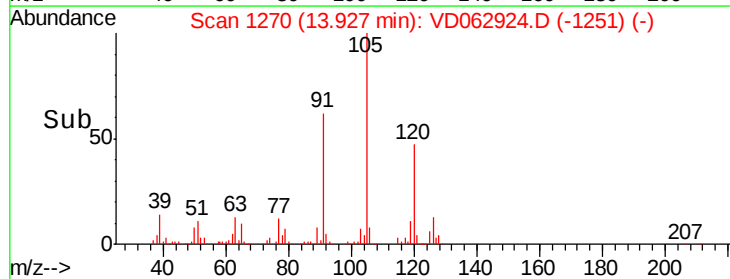
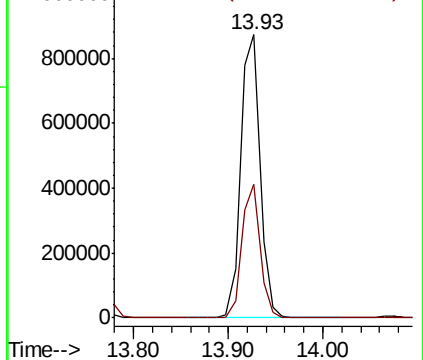


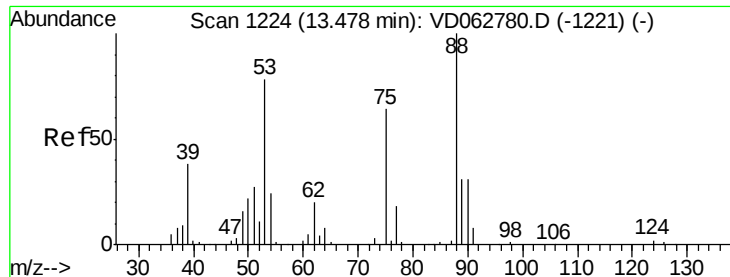
#80
 1,3,5-Trimethylbenzene
 Concen: 51.588 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 105 Resp: 1237182
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.919 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

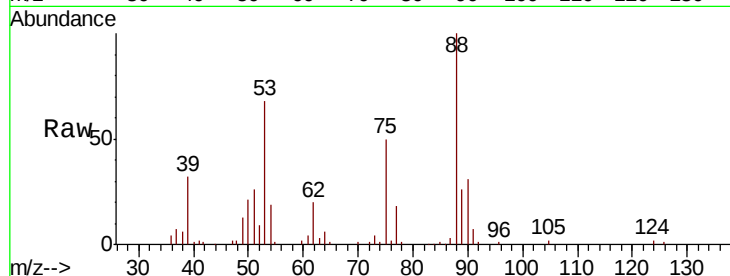
Tot Ion: 75 Resp: 68601

Ion Ratio Lower Upper

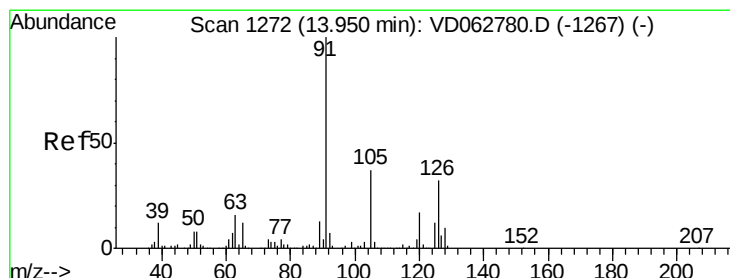
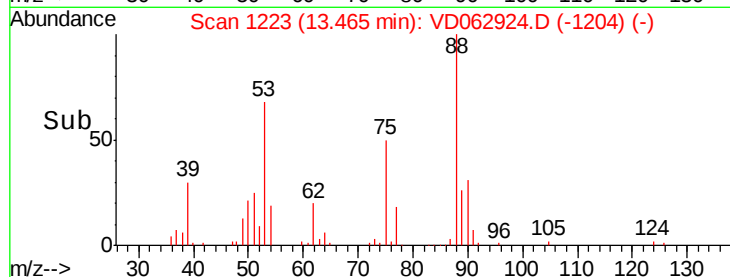
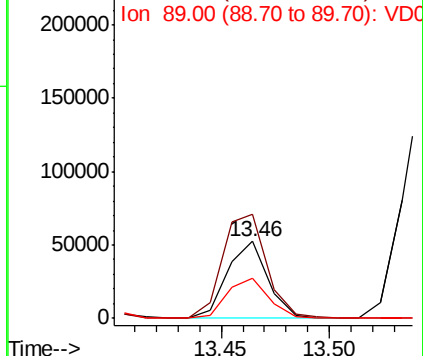
75 100

53 135.6 97.8 146.8

89 51.6 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: 52.866 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062924.D

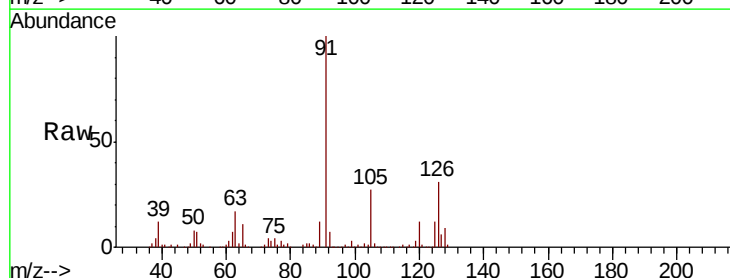
Acq: 27 Jun 2019 10:54

Tgt Ion: 91 Resp: 1208702

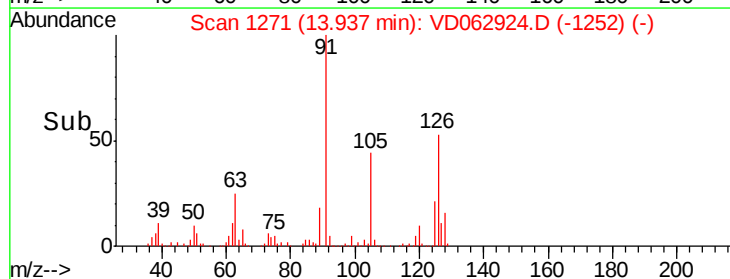
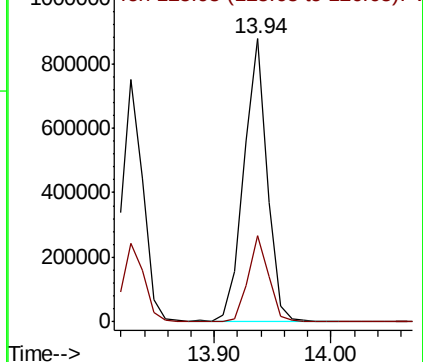
Ion Ratio Lower Upper

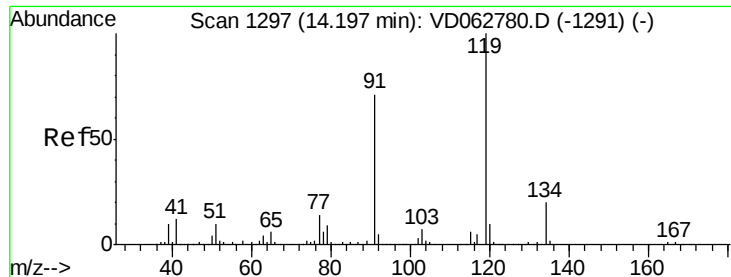
91 100

126 30.6 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: 53.144 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampled :

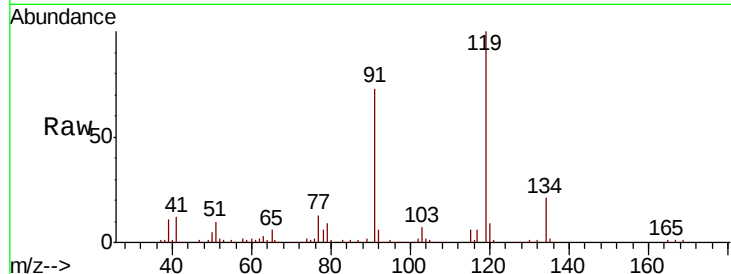
Tot Ion:119 Resp: 1420627

Ion Ratio Lower Upper

119 100

91 72.7 35.5 106.5

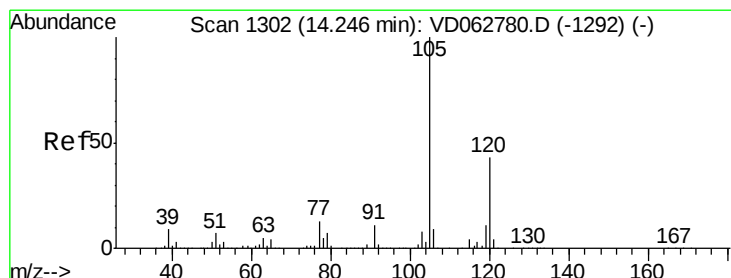
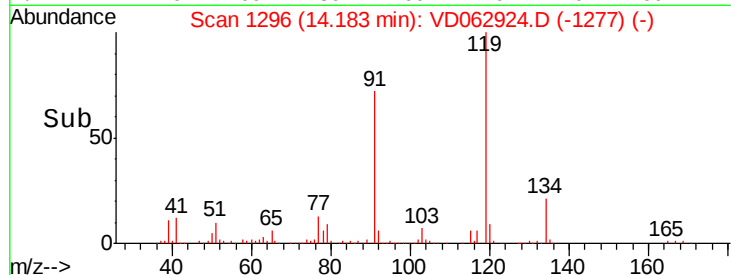
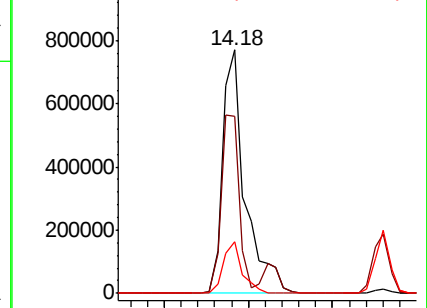
134 21.4 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.878 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062924.D

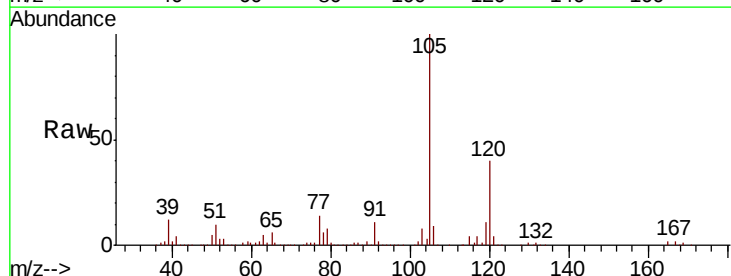
Acq: 27 Jun 2019 10:54

Tgt Ion:105 Resp: 1201446

Ion Ratio Lower Upper

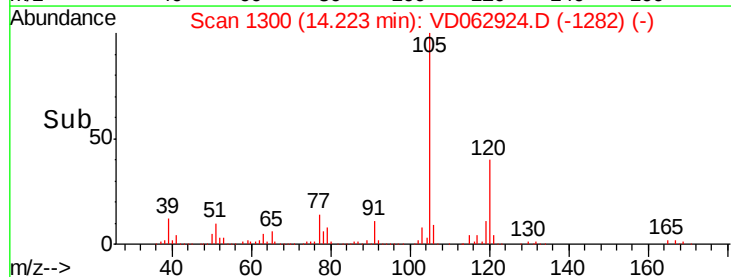
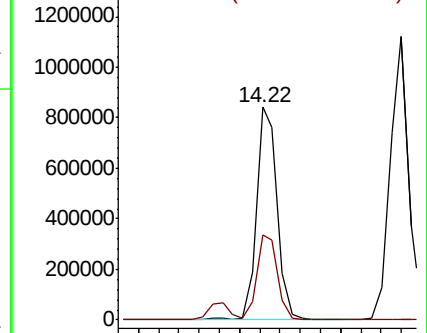
105 100

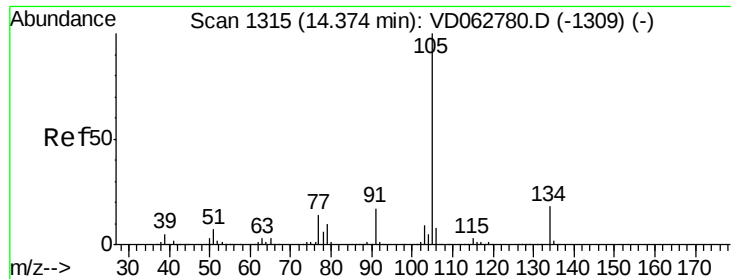
120 39.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

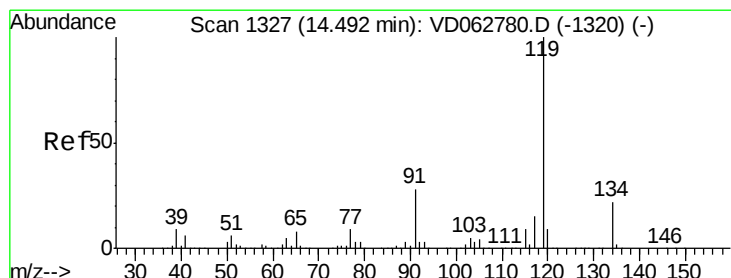
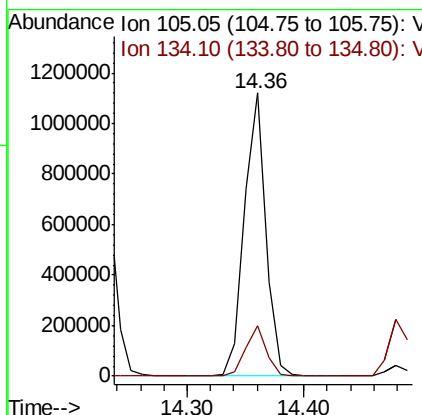
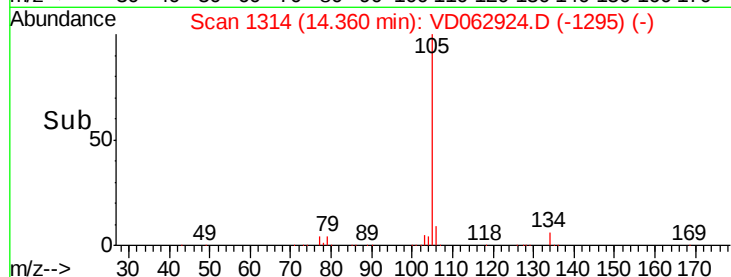
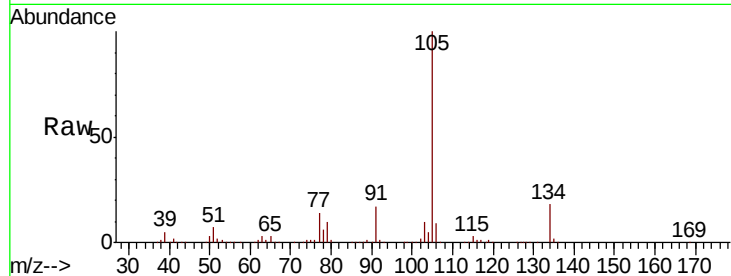




#85
 sec-Butylbenzene
 Concen: 49.357 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

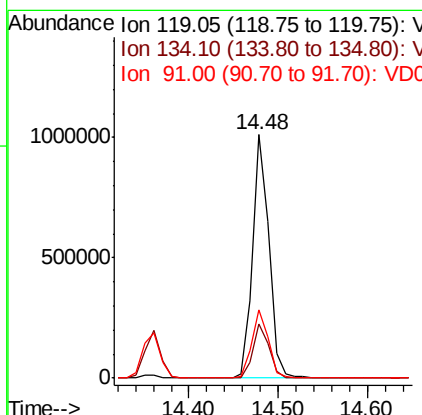
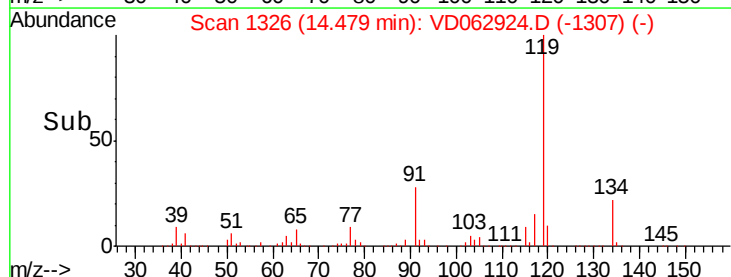
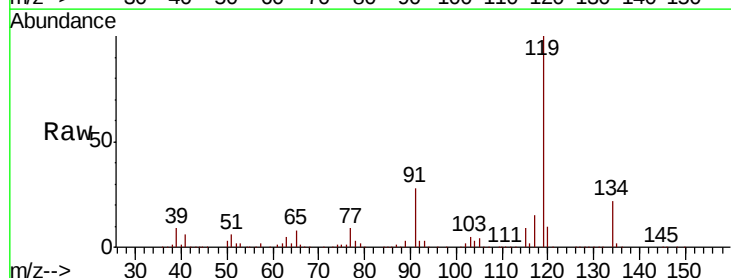
Instrument :
 MSVOA_D
 ClientSampleId :

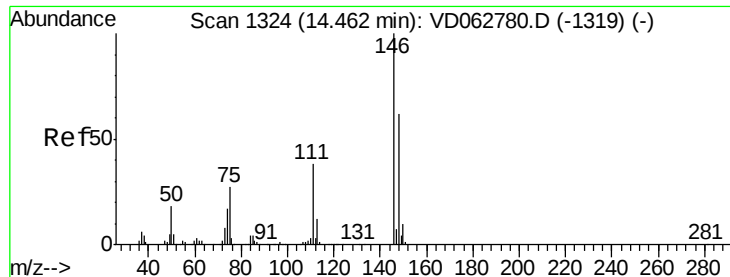
Tot Ion:105 Resp: 1434010
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 47.554 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:119 Resp: 1263962
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.1 33.1
 91 28.2 14.0 41.9

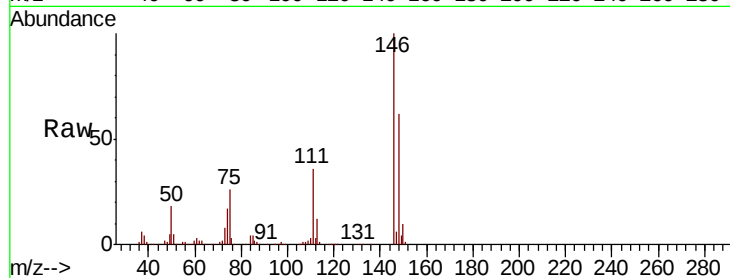




#87
 1,3-Dichlorobenzene
 Concen: 55.312 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.0	57.0
148	62.1	30.8	92.3

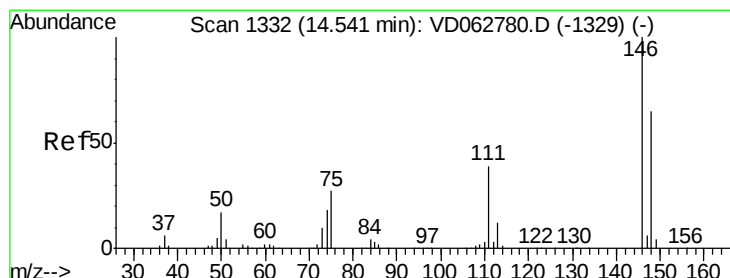
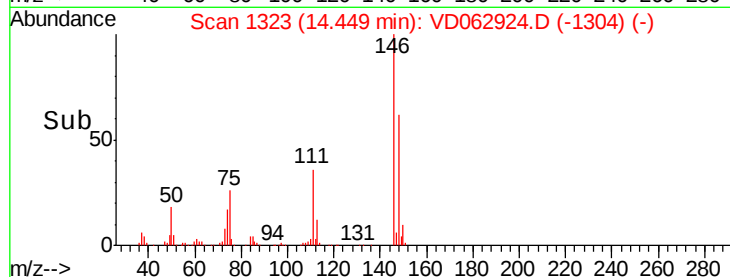
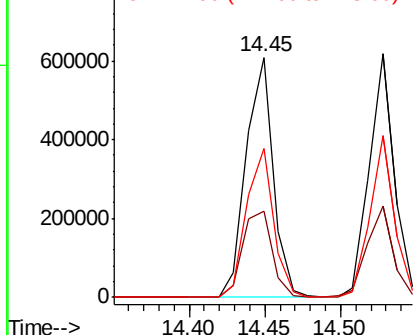


Abundance

Ion 145.95 (145.65 to 146.65): V

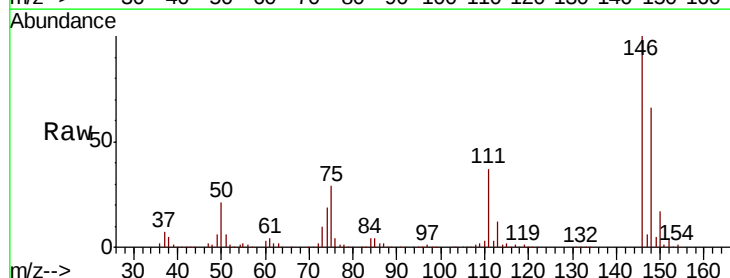
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 51.761 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.1
148	66.4	32.8	98.3

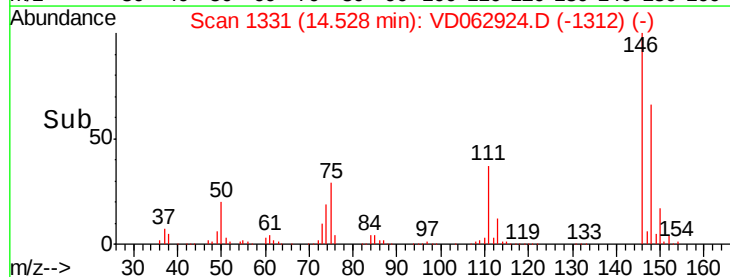
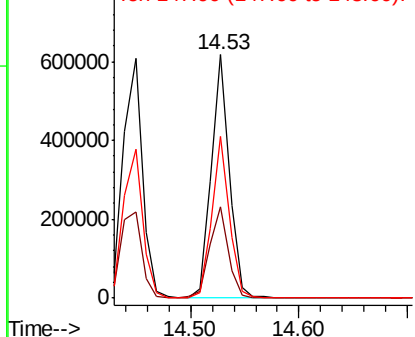


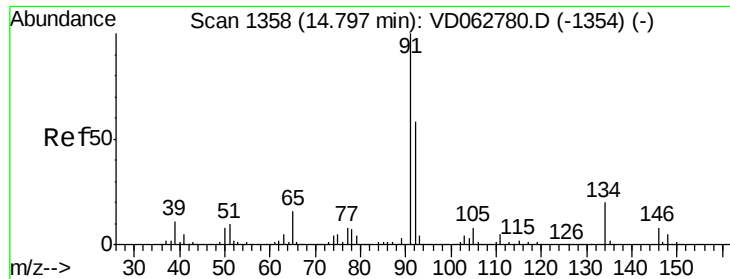
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.883 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

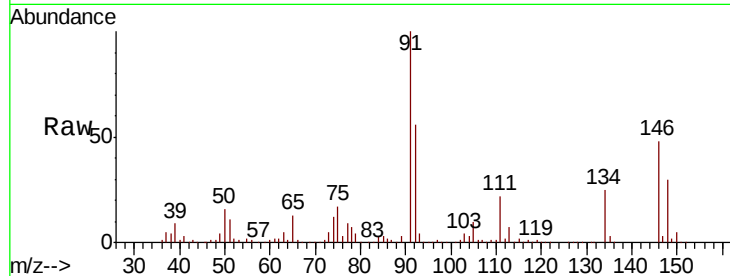
Tot Ion: 91 Resp: 1265847

Ion	Ratio	Lower	Upper
91	100		
92	56.3	28.9	86.7
134	25.5	10.1	30.3

91 100

92 56.3 28.9 86.7

134 25.5 10.1 30.3

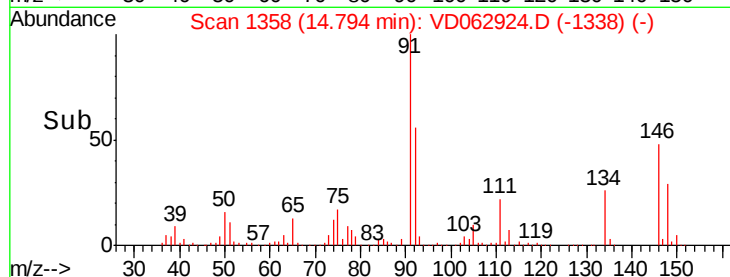


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

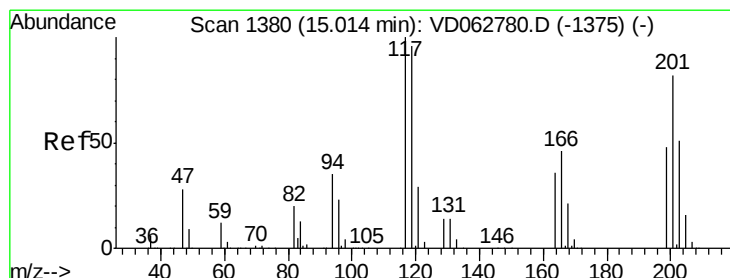
Ion 134.10 (133.80 to 134.80): V

Time-->



14.79

Time-->



#90

Hexachloroethane

Concen: 53.801 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062924.D

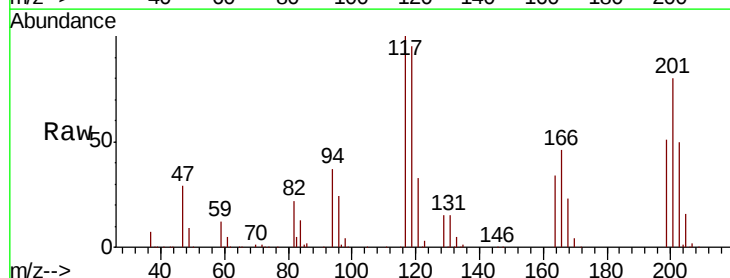
Acq: 27 Jun 2019 10:54

Tgt Ion: 117 Resp: 384485

Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.8	122.2

117 100

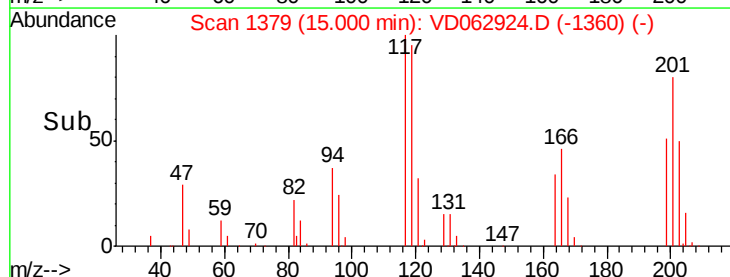
201 79.6 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

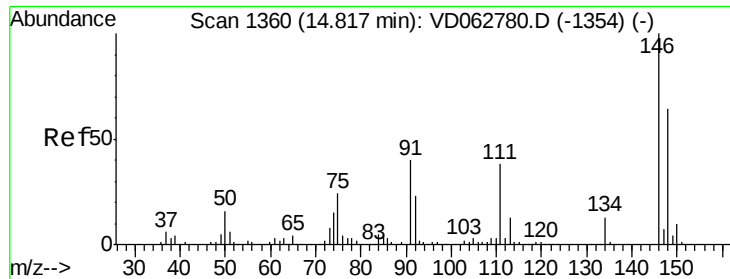
Ion 200.75 (200.45 to 201.45): V

Time-->



15.00

Time-->



#91

1,2-Dichlorobenzene

Concen: 52.549 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

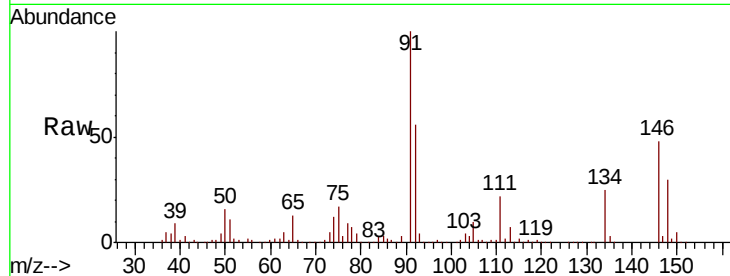
Tot Ion:146 Resp: 618921

Ion Ratio Lower Upper

146 100

111 46.2 19.1 57.1

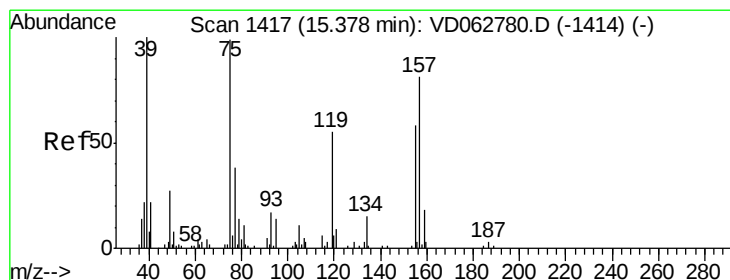
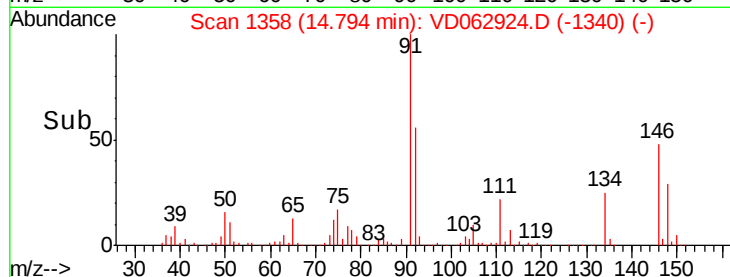
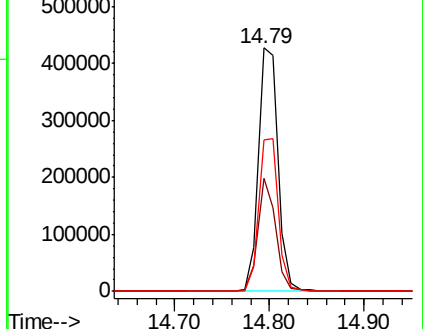
148 62.0 32.3 96.8



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: 60.834 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

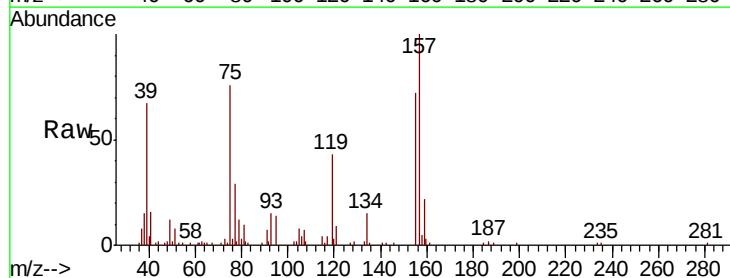
Tgt Ion: 75 Resp: 55236

Ion Ratio Lower Upper

75 100

155 94.2 29.3 87.8#

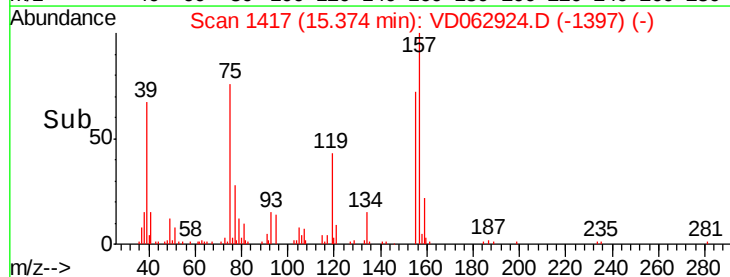
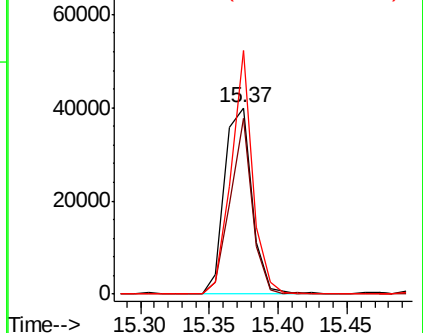
157 130.8 41.3 123.7#

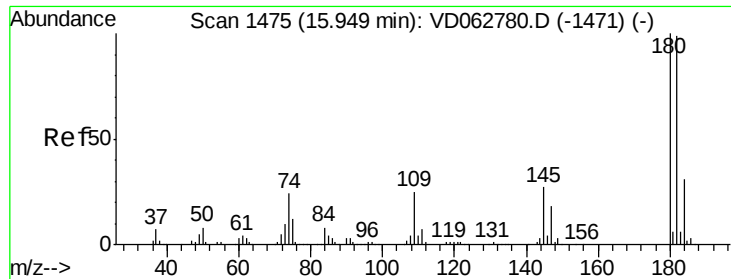


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

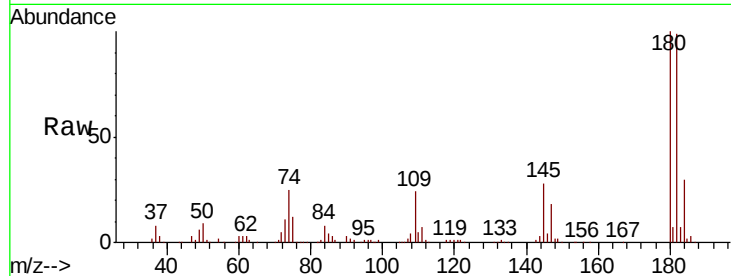




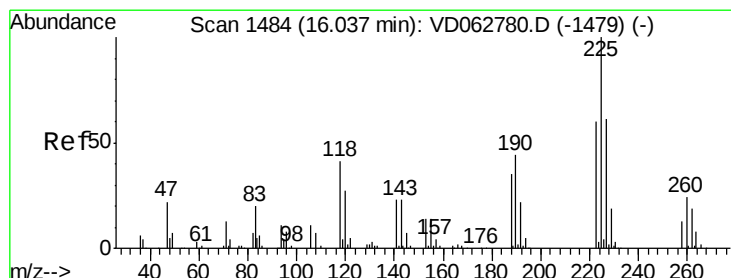
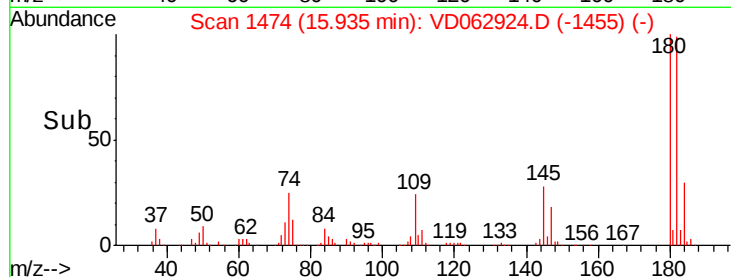
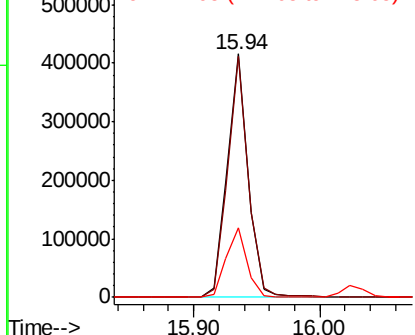
#93
 1,2,4-Trichlorobenzene
 Concen: 51.406 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 472959
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.5 148.5
 145 28.4 13.7 41.0

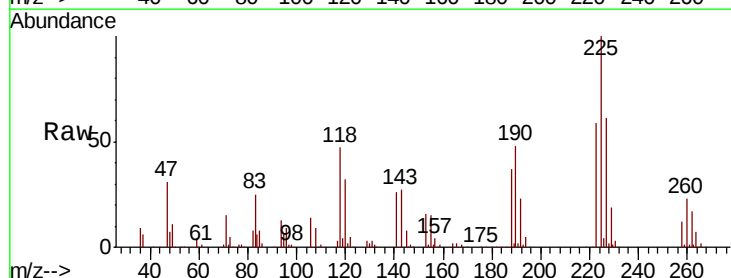


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

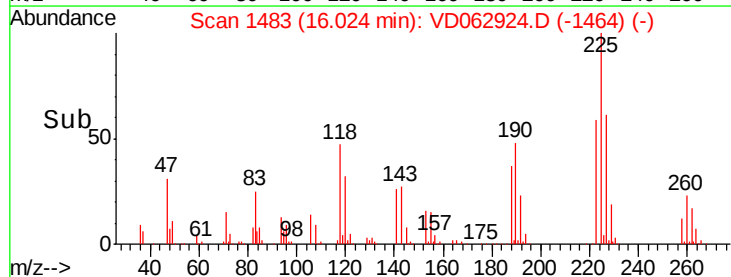
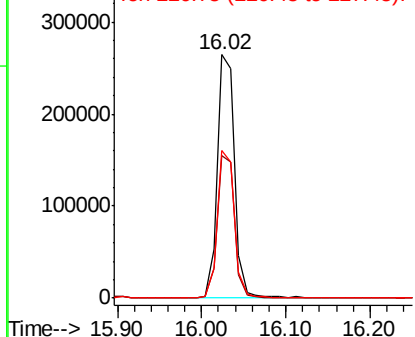


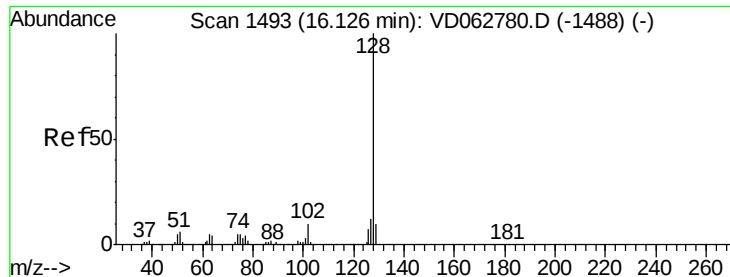
#94
 Hexachlorobutadiene
 Concen: 53.498 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:225 Resp: 376024
 Ion Ratio Lower Upper
 225 100
 223 58.7 29.8 89.5
 227 60.8 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

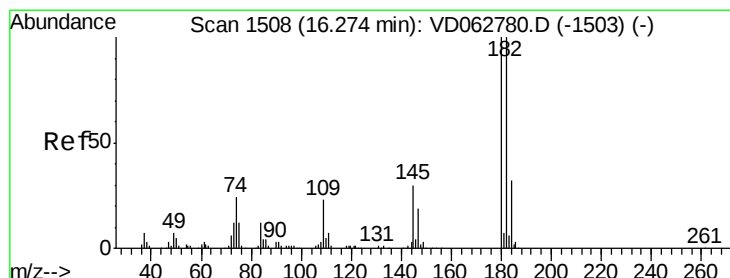
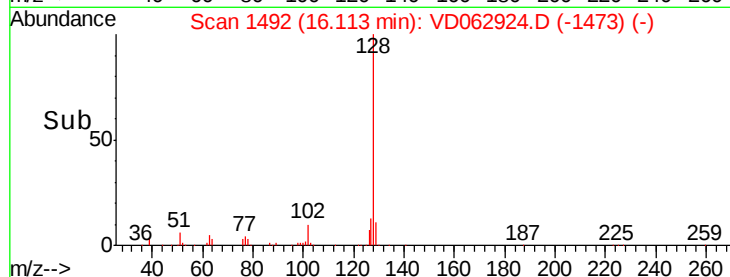
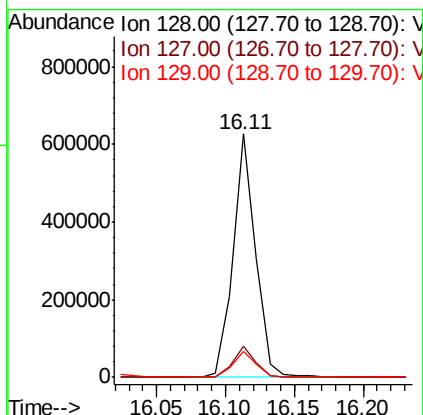
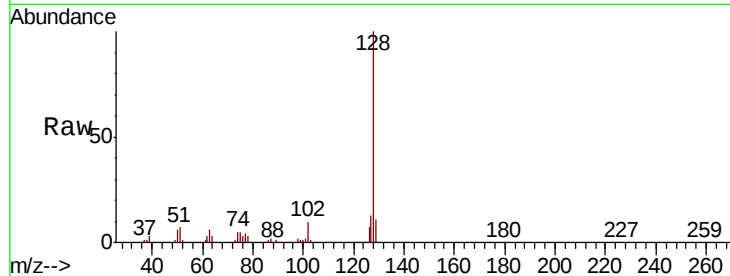




#95
Naphthalene
Concen: 55.181 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 711580
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 10.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.608 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:180 Resp: 364819
Ion Ratio Lower Upper
180 100
182 98.6 49.9 149.6
145 30.2 15.2 45.5

