

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062926.D
 Acq On : 27 Jun 2019 12:47
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:19:38 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	877667	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1198721	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	979492	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	501711	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	451587	47.34	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	6.90	113	469360	46.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	10.39	98	980619	44.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.16%	
62) 4-Bromofluorobenzene	13.54	95	439245	43.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	194017	17.083	ug/l	98
3) Chloromethane	1.75	50	136372	15.966	ug/l	95
4) Vinyl Chloride	1.84	62	140251	16.561	ug/l	93
5) Bromomethane	2.13	94	51248	12.922	ug/l	94
6) Chloroethane	2.24	64	58962	15.378	ug/l	90
7) Trichlorofluoromethane	2.51	101	281784	16.441	ug/l	100
8) Diethyl Ether	2.85	74	37290	17.124	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.12	101	150283	16.185	ug/l	86
10) Methyl Iodide	3.27	142	165703	13.527	ug/l	97
11) Tert butyl alcohol	4.07	59	39582	91.098	ug/l #	89
12) 1,1-Dichloroethene	3.10	96	115612	16.598	ug/l	80
13) Acrolein	3.02	56	26794	60.405	ug/l #	80
14) Allyl chloride	3.59	41	162828	15.821	ug/l	95
15) Acrylonitrile	4.17	53	93713	91.789	ug/l #	90
16) Acetone	3.21	43	169109	82.730	ug/l	98
17) Carbon Disulfide	3.34	76	334640	15.032	ug/l	95
18) Methyl Acetate	3.62	43	66188	22.983	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	275887	18.296	ug/l	95
20) Methylene Chloride	3.79	84	139355	19.154	ug/l	93
21) trans-1,2-Dichloroethene	4.18	96	123575	16.662	ug/l	98
22) Diisopropyl ether	5.10	45	352451	16.839	ug/l	95
23) Vinyl Acetate	5.03	43	1084037	82.768	ug/l	99
24) 1,1-Dichloroethane	4.95	63	233277	17.118	ug/l	99
25) 2-Butanone	6.05	43	163275	91.507	ug/l	95
26) 2,2-Dichloropropane	5.99	77	238722	16.527	ug/l	90
27) cis-1,2-Dichloroethene	6.01	96	126194	16.090	ug/l	97
28) Bromochloromethane	6.41	49	87456	18.221	ug/l	89
29) Tetrahydrofuran	6.43	42	70469	83.473	ug/l	96
30) Chloroform	6.63	83	278019	16.775	ug/l	99
31) Cyclohexane	6.93	56	141438	15.788	ug/l	91
32) 1,1,1-Trichloroethane	6.84	97	288938	16.738	ug/l	96
36) 1,1-Dichloropropene	7.11	75	192837	16.994	ug/l	95
37) Ethyl Acetate	6.16	43	85551	17.225	ug/l	97
38) Carbon Tetrachloride	7.08	117	269377	15.784	ug/l	97

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 QLast Update : Thu Jun 20 01:50:56 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	165926	16.612	ug/l	89
40) Benzene	7.43	78	360924	15.845	ug/l	98
41) Methacrylonitrile	6.42	41	106823	17.851	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	218873	17.614	ug/l	99
43) Isopropyl Acetate	9.22	43	106901	17.969	ug/l #	88
44) Trichloroethene	8.51	130	144951	16.232	ug/l	97
45) 1,2-Dichloropropane	8.92	63	92627	16.354	ug/l	94
46) Dibromomethane	9.04	93	83213	17.103	ug/l	87
47) Bromodichloromethane	9.35	83	213079	16.863	ug/l	97
48) Methyl methacrylate	9.10	41	68200	16.132	ug/l	94
49) 1,4-Dioxane	9.06	88	13173	374.524	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	357649	84.793	ug/l	93
52) Toluene	10.49	92	252146	16.468	ug/l	95
53) t-1,3-Dichloropropene	10.89	75	163576	15.816	ug/l #	89
54) cis-1,3-Dichloropropene	10.02	75	184162	16.383	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	90256	17.157	ug/l #	91
56) Ethyl methacrylate	11.02	69	91042	16.195	ug/l	98
57) 1,3-Dichloropropane	11.39	76	132120	16.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	287882	99.747	ug/l	99
59) 2-Hexanone	11.51	43	271300	90.314	ug/l	99
60) Dibromochloromethane	11.67	129	165895	16.931	ug/l	93
61) 1,2-Dibromoethane	11.79	107	108705	17.497	ug/l	97
64) Tetrachloroethene	11.24	164	143966	17.859	ug/l	97
65) Chlorobenzene	12.38	112	304969	16.777	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.50	131	146584	17.243	ug/l	98
67) Ethyl Benzene	12.51	91	556553	17.053	ug/l	100
68) m/p-Xylenes	12.66	106	393301	34.600	ug/l	95
69) o-Xylene	13.03	106	172182	16.570	ug/l	93
70) Styrene	13.06	104	296489	16.244	ug/l	98
71) Bromoform	13.22	173	104758	17.986	ug/l #	89
73) Isopropylbenzene	13.39	105	566315	17.605	ug/l	97
74) N-amyl acetate	13.26	43	146088	18.700	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	102830	19.619	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	104100	17.973	ug/l	93
77) Bromobenzene	13.66	156	160966	18.603	ug/l	93
78) n-propylbenzene	13.76	91	671211	17.927	ug/l	92
79) 2-Chlorotoluene	13.83	91	387824	18.125	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	476539	17.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	27057	17.825	ug/l	91
82) 4-Chlorotoluene	13.94	91	474440	18.418	ug/l	99
83) tert-Butylbenzene	14.18	119	504750	16.759	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	501136	18.095	ug/l	97
85) sec-Butylbenzene	14.36	105	597104	18.241	ug/l	96
86) p-Isopropyltoluene	14.48	119	527216	17.605	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	284914	18.369	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	275411	17.679	ug/l	99
89) n-Butylbenzene	14.79	91	517368	18.458	ug/l	96
90) Hexachloroethane	15.00	117	136230	16.919	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	250693	18.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17835	17.434	ug/l	63

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
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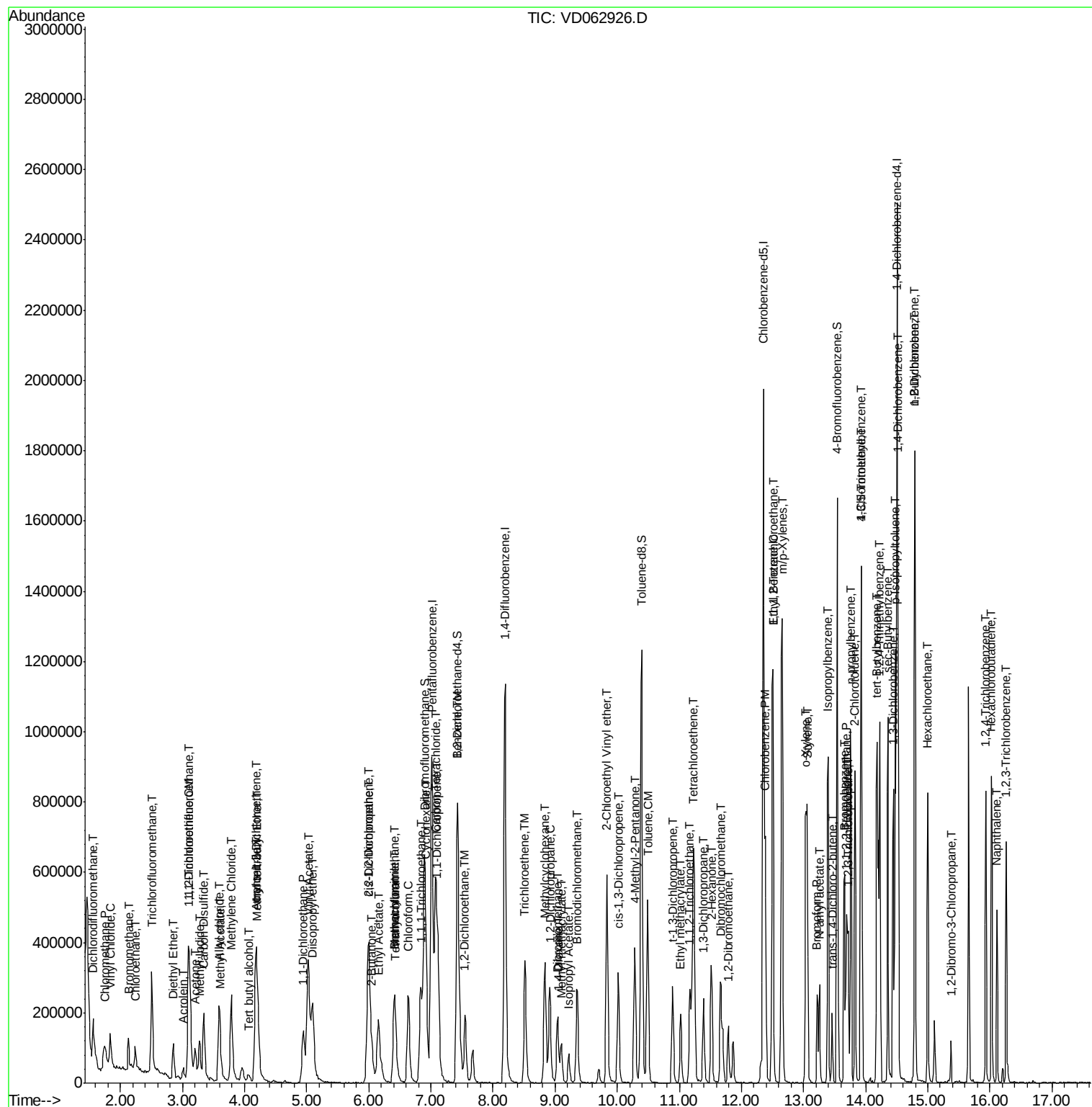
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	180092	17.373	ug/l	97
94) Hexachlorobutadiene	16.03	225	143955	18.178	ug/l	98
95) Naphthalene	16.11	128	271133	18.661	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	157338	19.754	ug/l	98

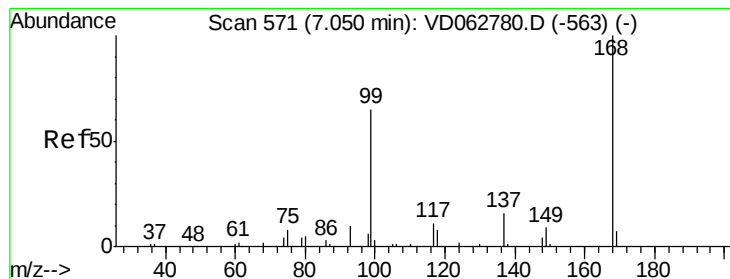
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

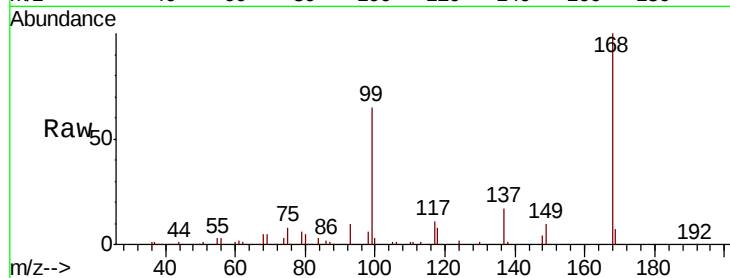
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 877667

Ion Ratio Lower Upper

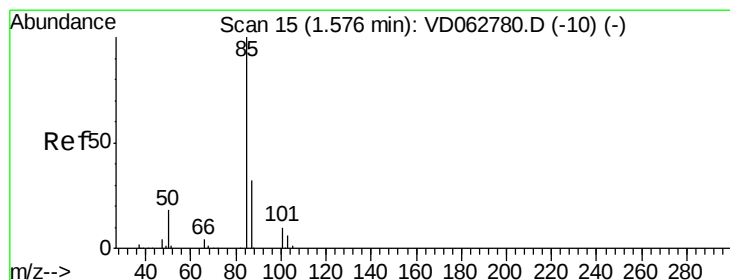
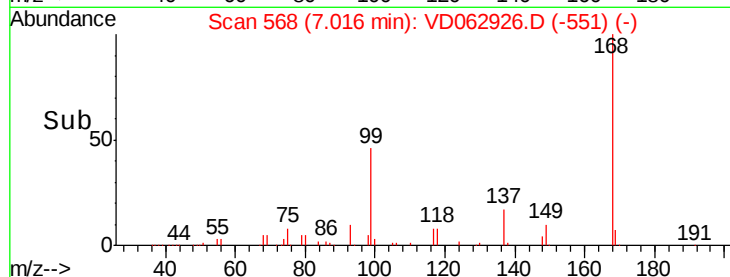
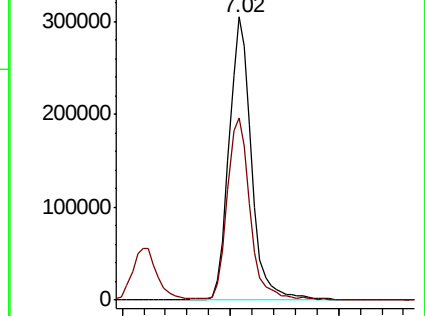
168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.083 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062926.D

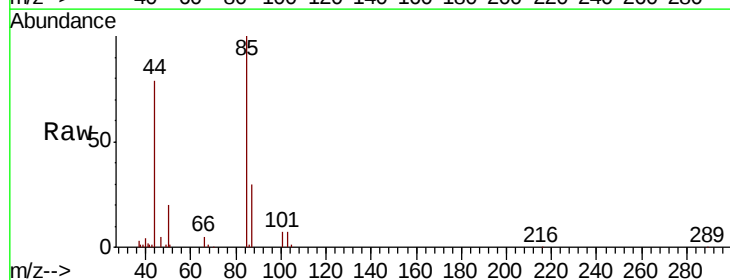
Acq: 27 Jun 2019 12:47

Tgt Ion: 85 Resp: 194017

Ion Ratio Lower Upper

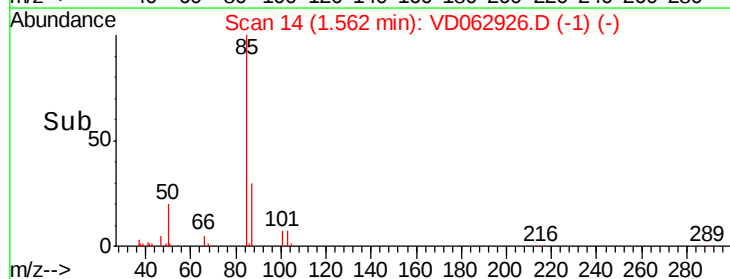
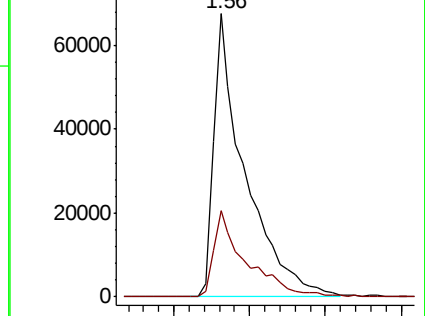
85 100

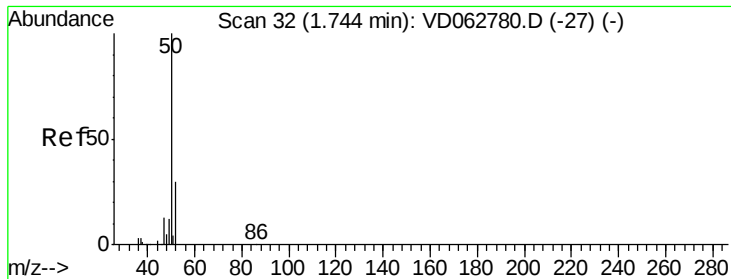
87 30.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.966 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

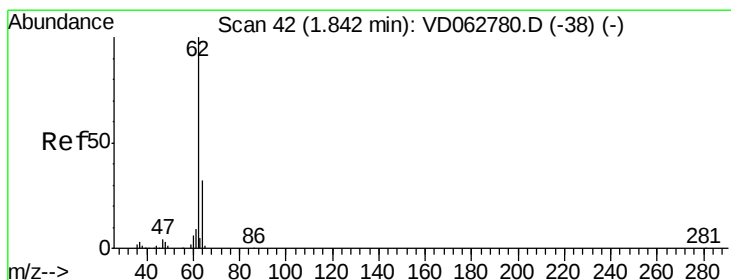
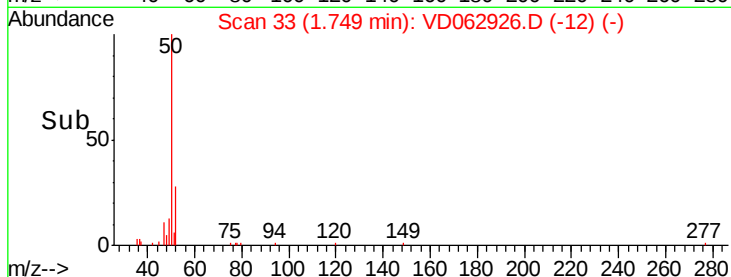
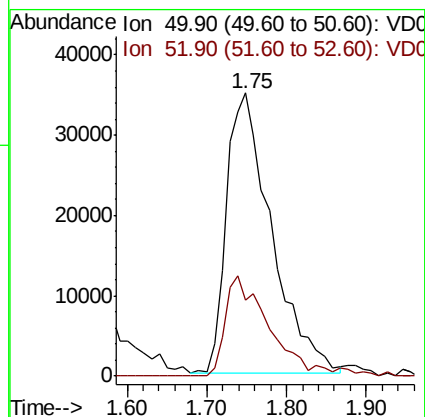
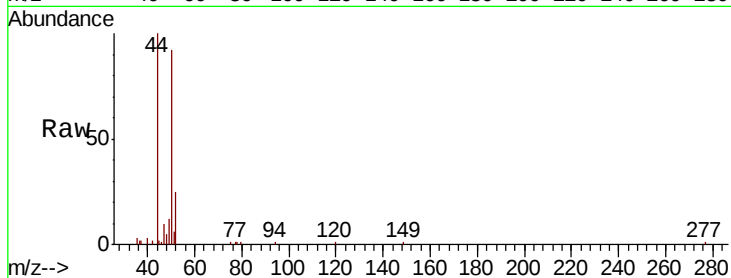
ClientSampleId :

Tot Ion: 50 Resp: 136372

Ion Ratio Lower Upper

50 100

52 26.7 23.6 35.4



#4

Vinyl Chloride

Concen: 16.561 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062926.D

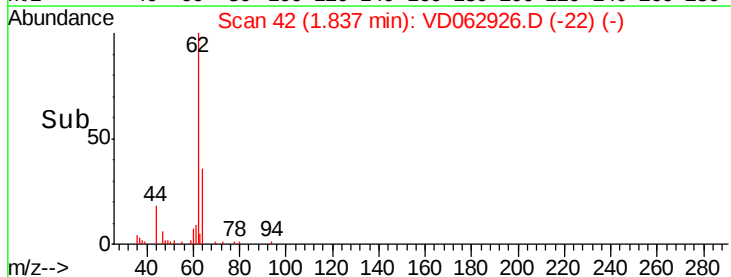
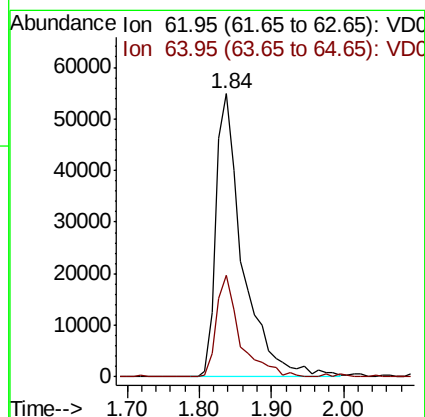
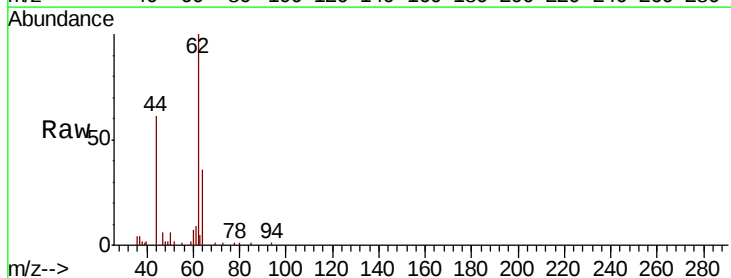
Acq: 27 Jun 2019 12:47

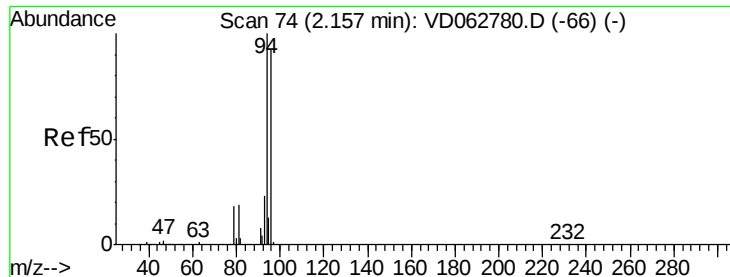
Tgt Ion: 62 Resp: 140251

Ion Ratio Lower Upper

62 100

64 36.0 25.6 38.4





#5

Bromomethane

Concen: 12.922 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

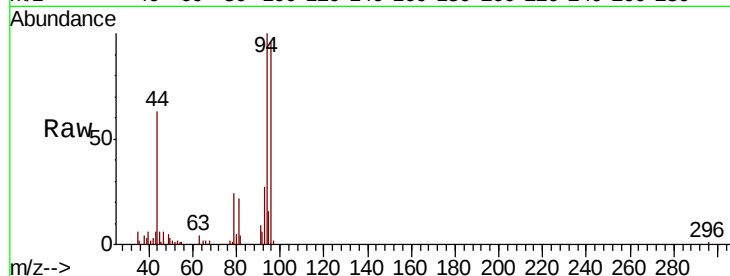
Tot Ion: 94 Resp: 51248

Ion Ratio Lower Upper

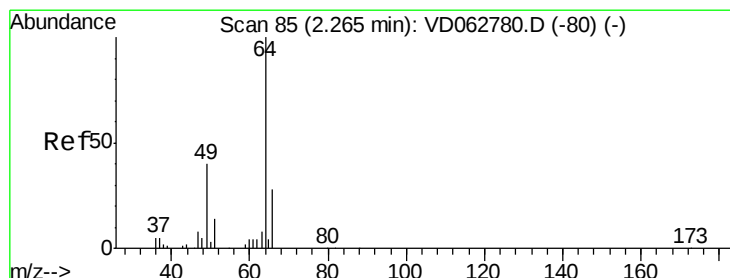
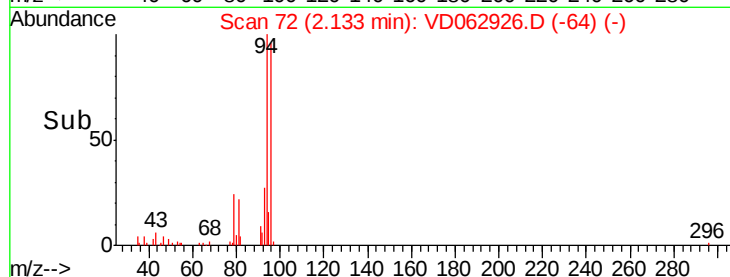
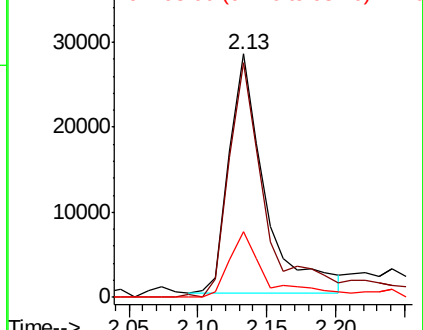
94 100

96 96.3 73.4 110.2

93 27.1 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: 15.378 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062926.D

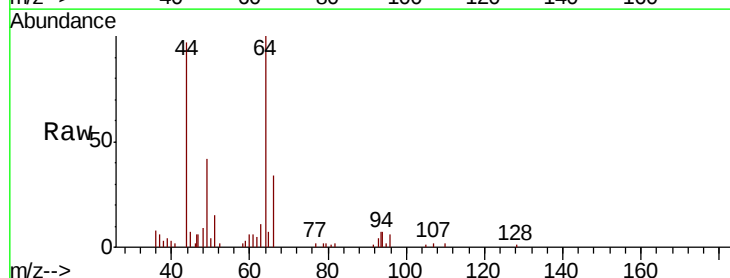
Acq: 27 Jun 2019 12:47

Tgt Ion: 64 Resp: 58962

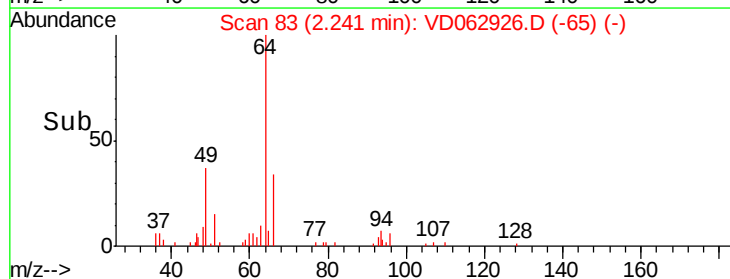
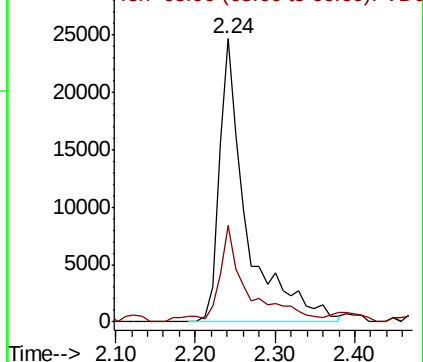
Ion Ratio Lower Upper

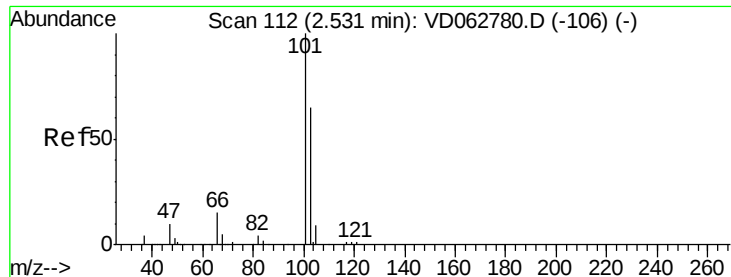
64 100

66 34.0 23.0 34.4



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



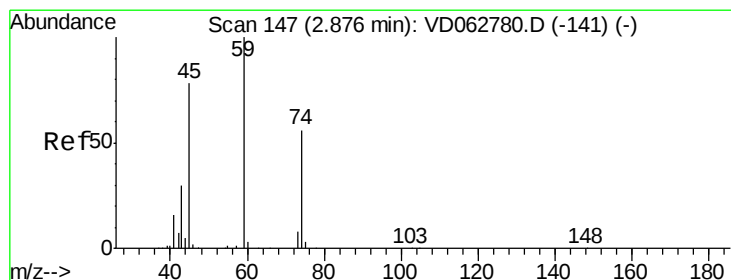
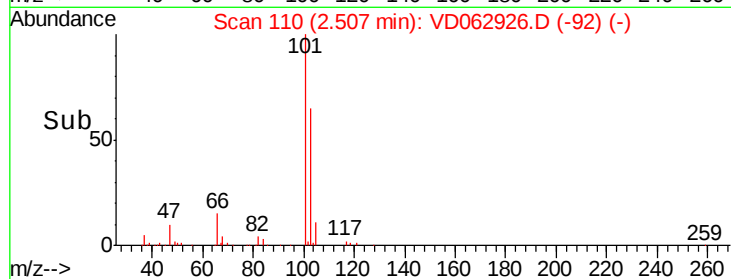
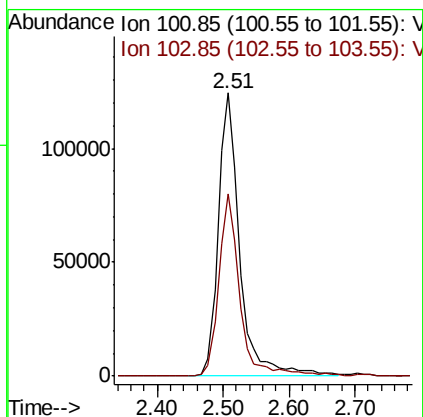
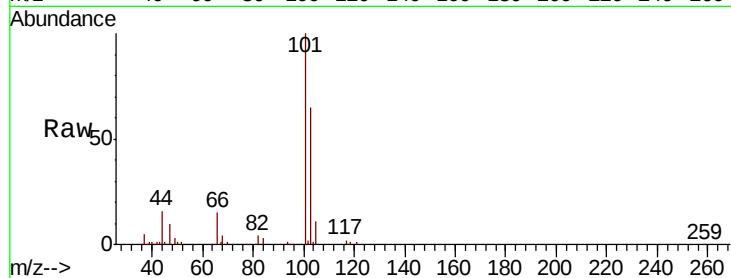


#7

Trichlorofluoromethane
Concen: 16.441 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
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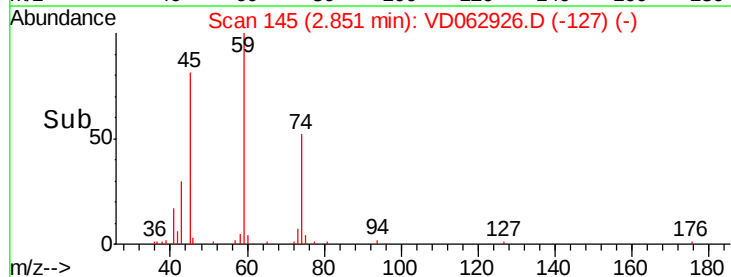
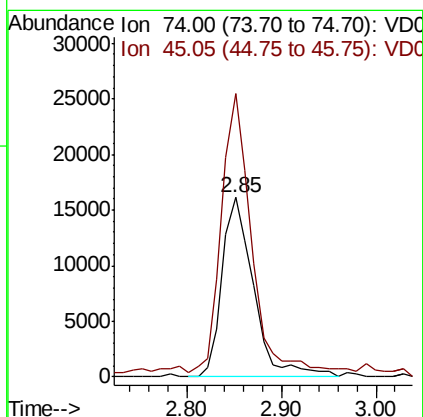
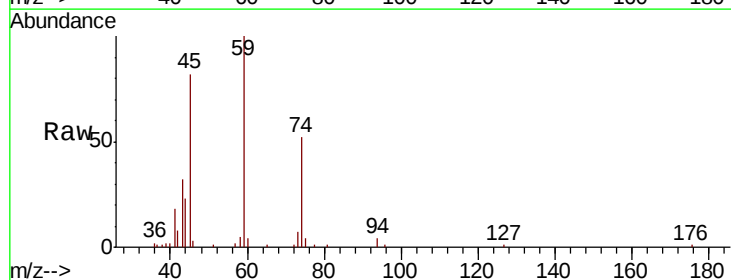
Tot Ion:101 Resp: 281784
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

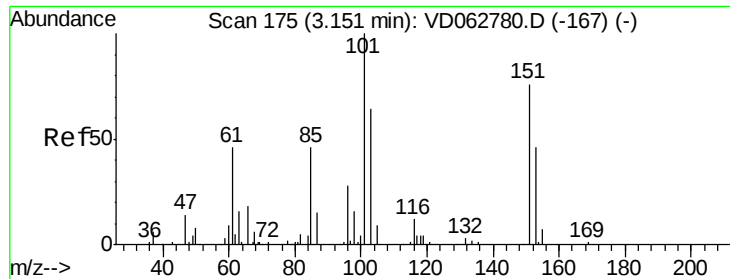


#8

Diethyl Ether
Concen: 17.124 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 74 Resp: 37290
Ion Ratio Lower Upper
74 100
45 157.7 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.185 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

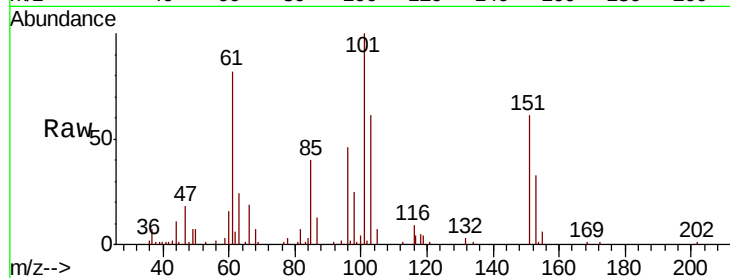
Tot Ion:101 Resp: 150283

Ion Ratio Lower Upper

101 100

85 39.9 37.0 55.4

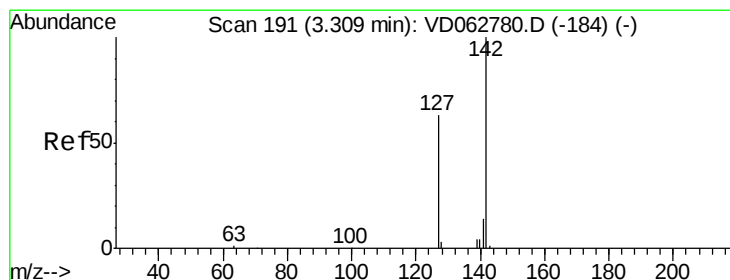
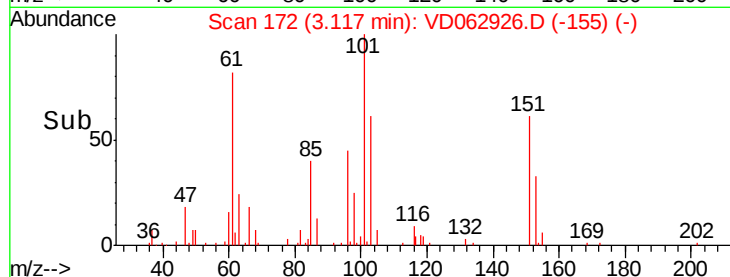
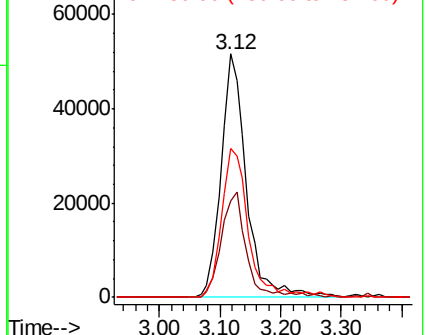
151 60.9 60.5 90.7



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: 13.527 ug/l

RT: 3.27 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

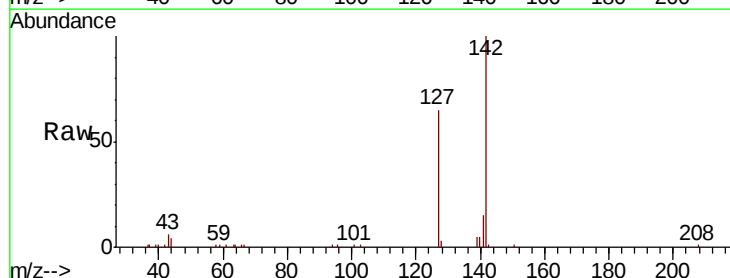
Tgt Ion:142 Resp: 165703

Ion Ratio Lower Upper

142 100

127 65.1 50.1 75.1

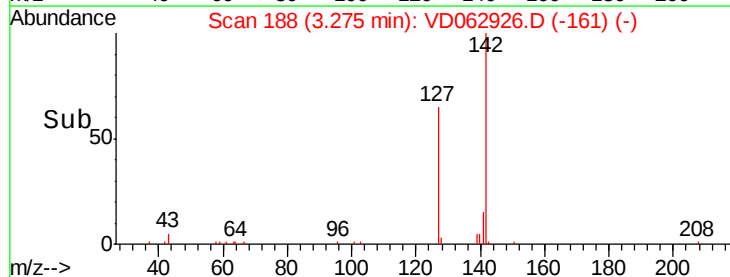
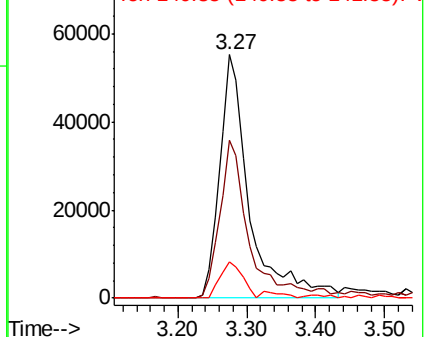
141 15.0 11.0 16.4

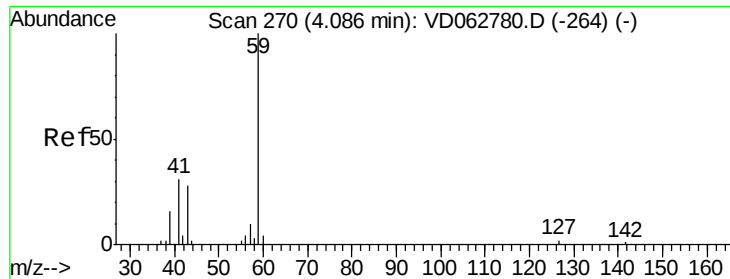


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



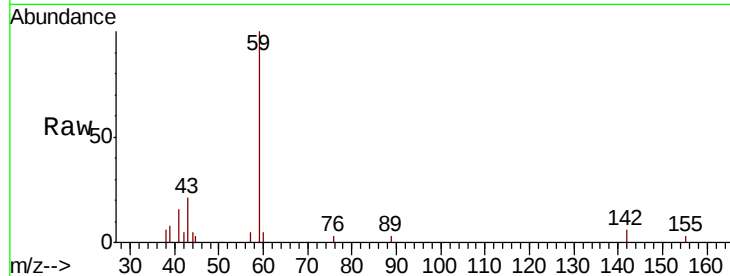


#11

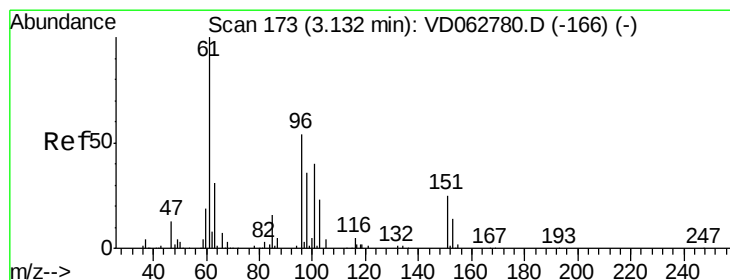
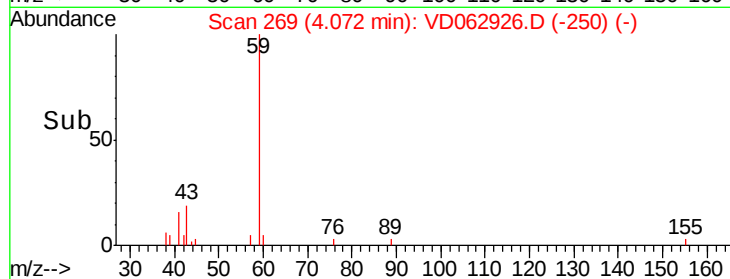
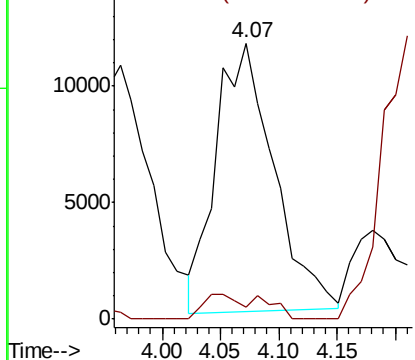
Tert butyl alcohol
 Concen: 91.098 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 39582
 Ion Ratio Lower Upper
 59 100
 57 4.5 6.6 10.0#



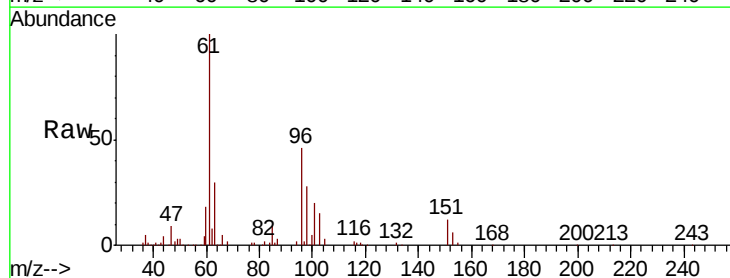
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



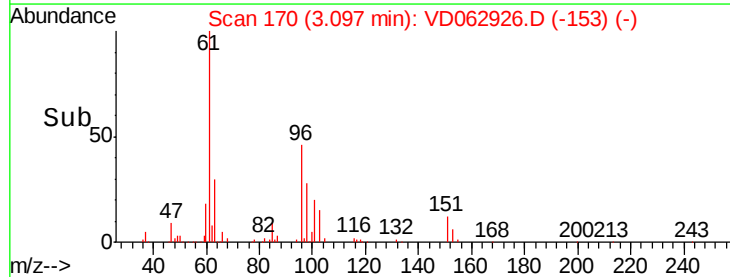
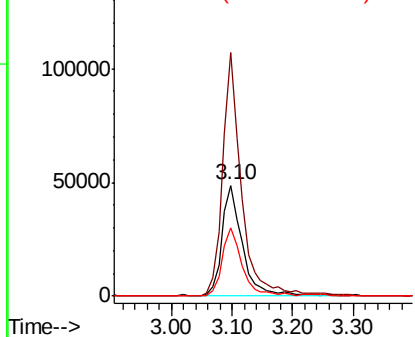
#12

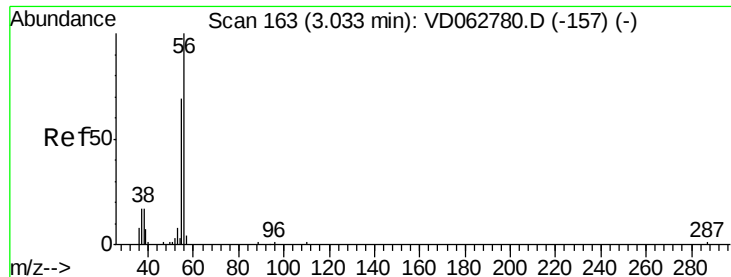
1,1-Dichloroethene
 Concen: 16.598 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 96 Resp: 115612
 Ion Ratio Lower Upper
 96 100
 61 219.5 147.1 220.7
 98 61.6 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: 60.405 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

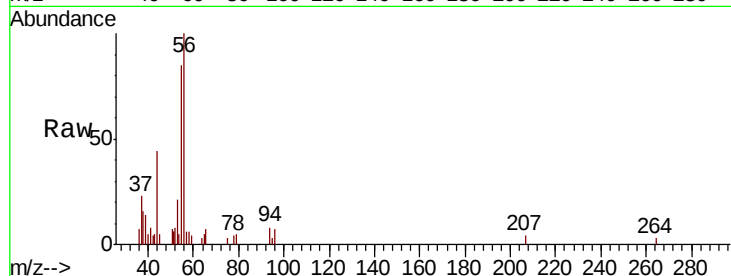
ClientSampleId :

Tot Ion: 56 Resp: 26794

Ion Ratio Lower Upper

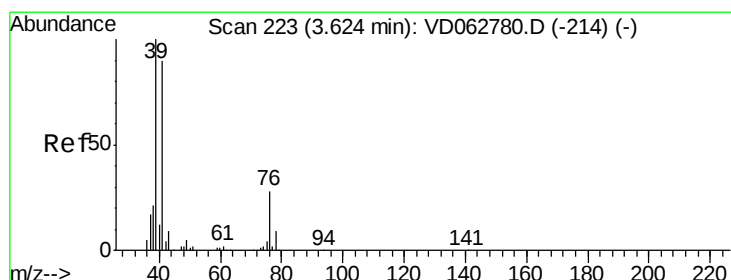
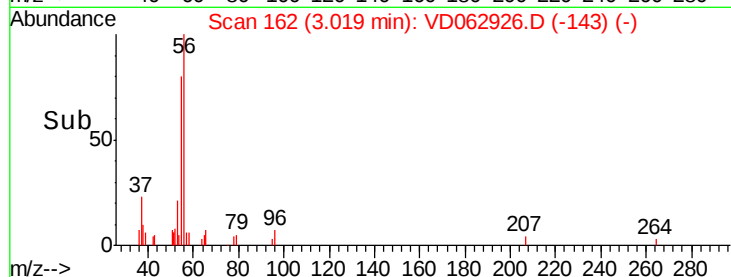
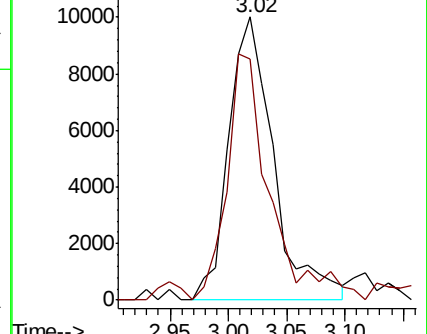
56 100

55 85.4 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 15.821 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

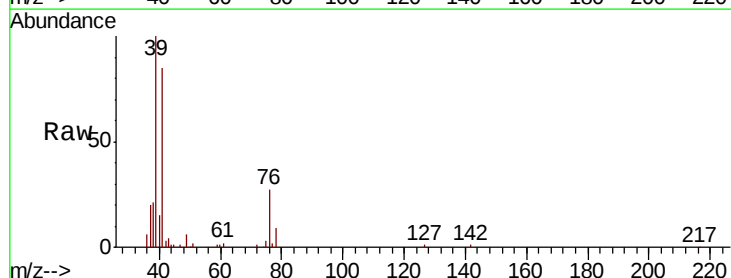
Tgt Ion: 41 Resp: 162828

Ion Ratio Lower Upper

41 100

39 117.3 88.8 133.2

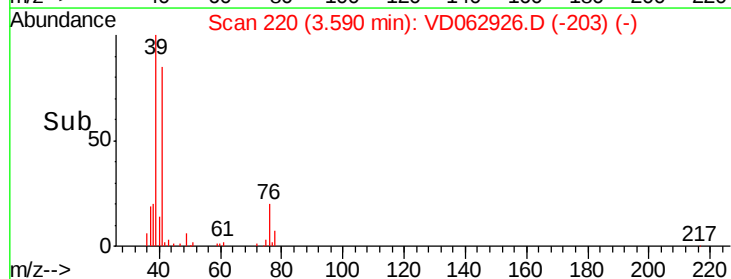
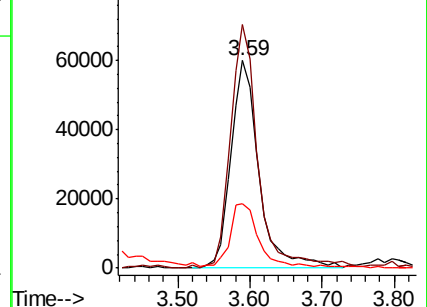
76 31.1 26.7 40.1

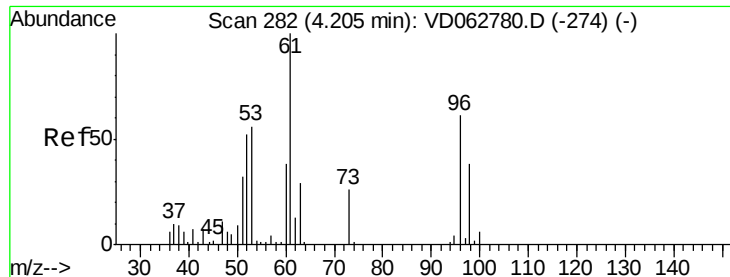


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 91.789 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampled :

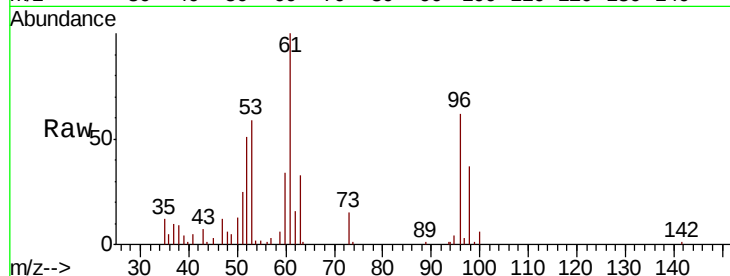
Tot Ion: 53 Resp: 93713

Ion Ratio Lower Upper

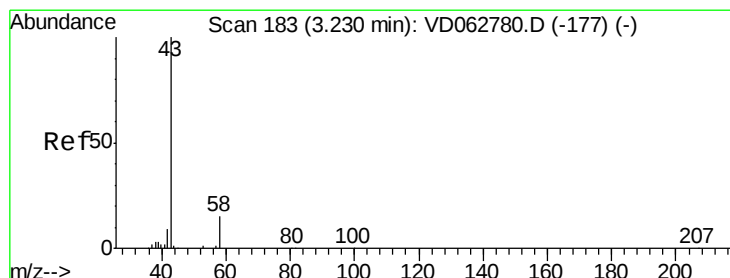
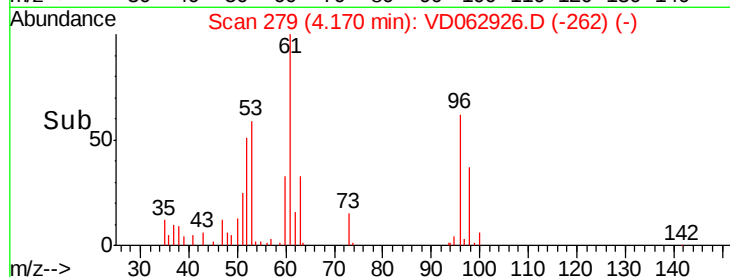
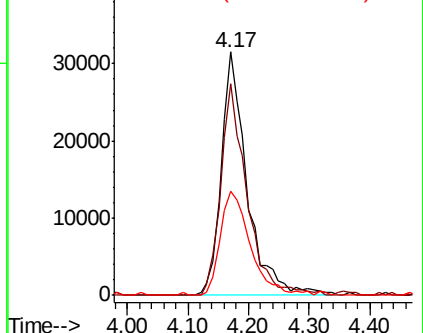
53 100

52 86.8 73.3 109.9

51 42.9 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: 82.730 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062926.D

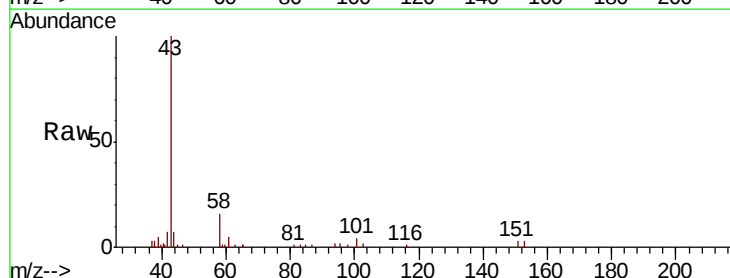
Acq: 27 Jun 2019 12:47

Tgt Ion: 43 Resp: 169109

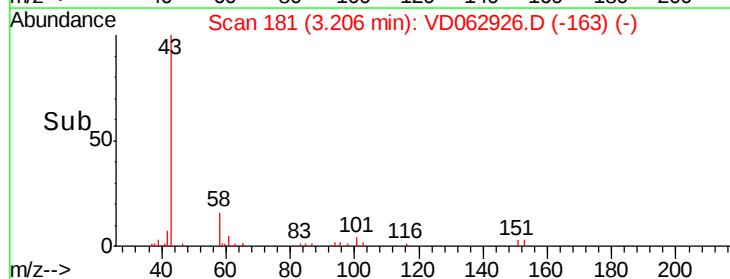
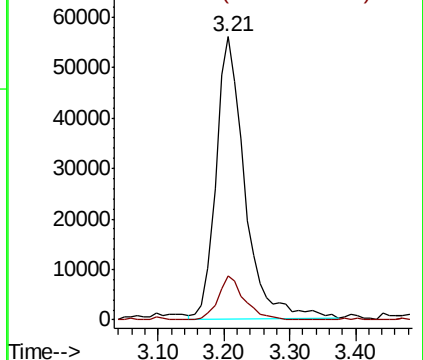
Ion Ratio Lower Upper

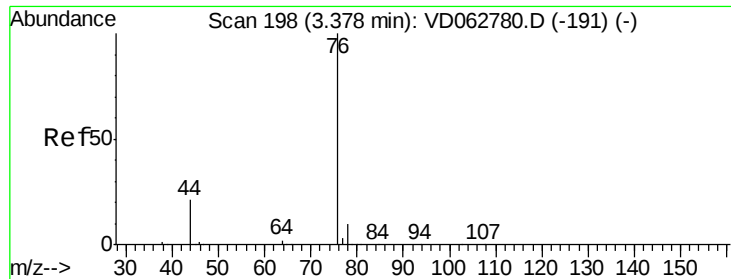
43 100

58 15.8 11.9 17.9



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

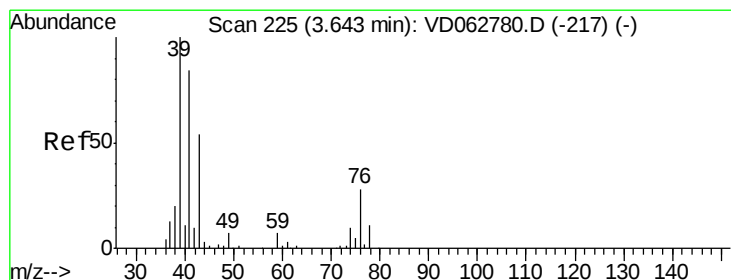
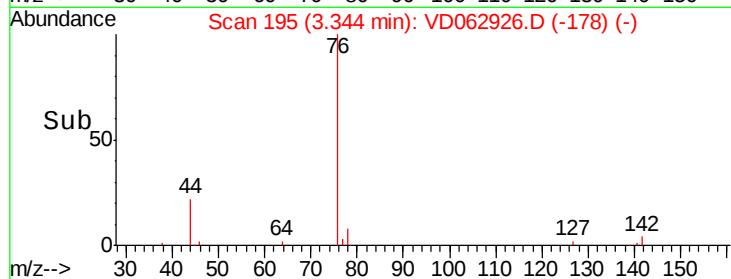
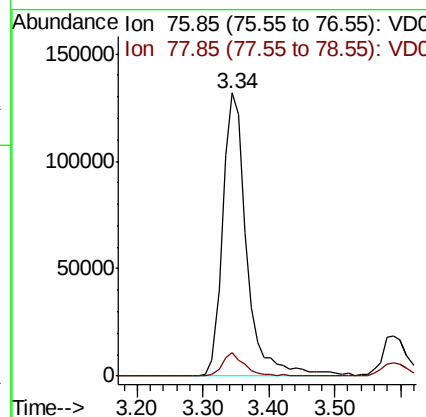
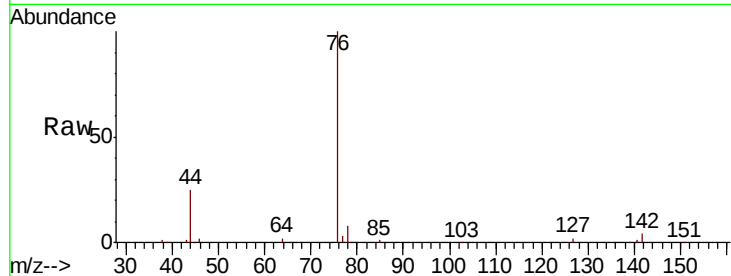




#17
Carbon Disulfide
Concen: 15.032 ug/l
RT: 3.34 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

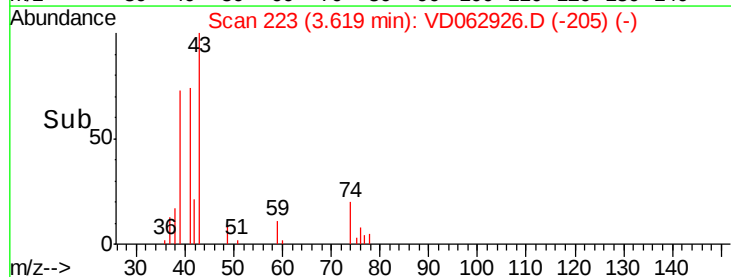
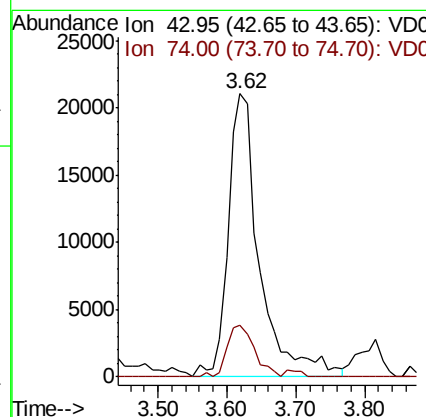
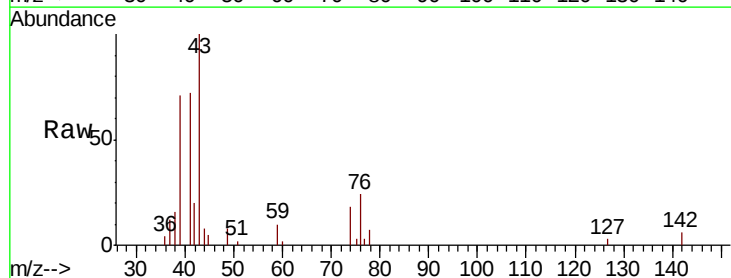
Instrument :
MSVOA_D
ClientSampled :

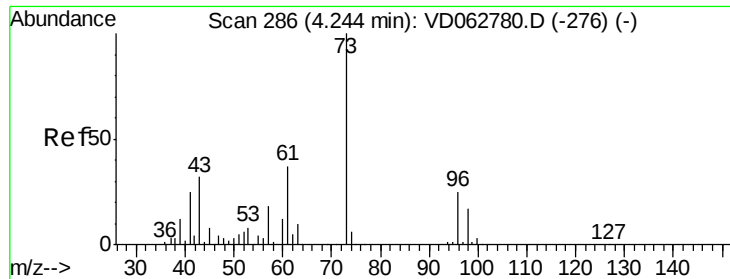
Tot Ion: 76 Resp: 334640
Ion Ratio Lower Upper
76 100
78 8.2 8.0 12.0



#18
Methyl Acetate
Concen: 22.983 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 43 Resp: 66188
Ion Ratio Lower Upper
43 100
74 18.3 15.2 22.8

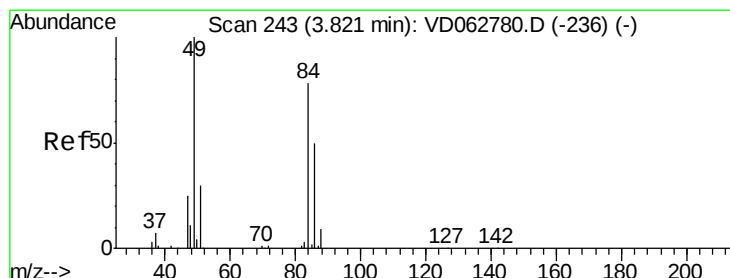
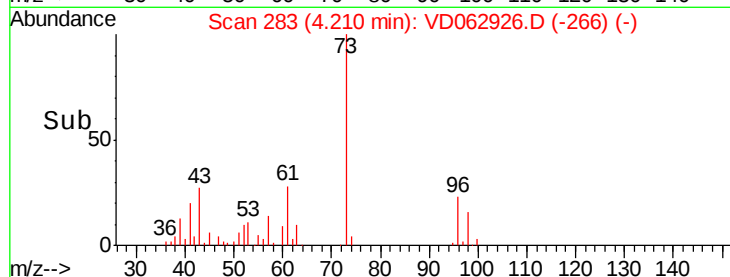
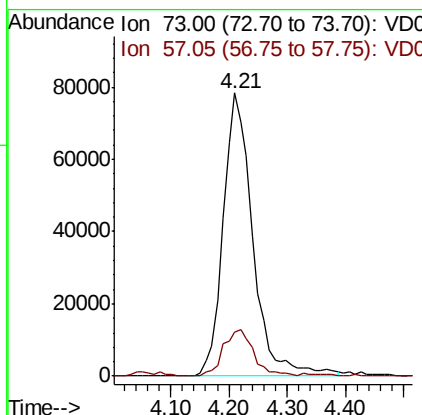
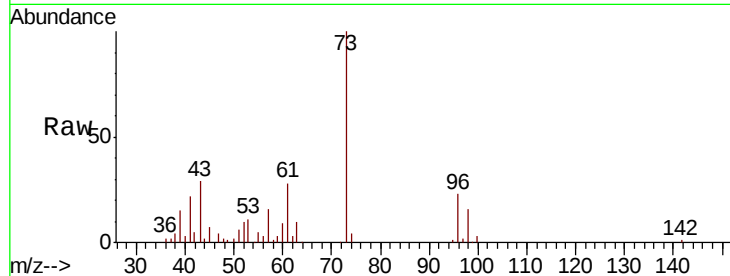




#19
Methvl tert-butvl Ether
Concen: 18.296 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

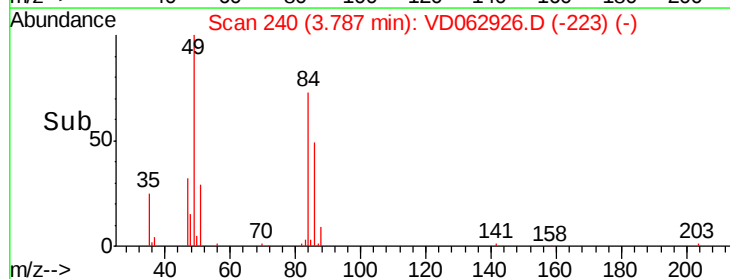
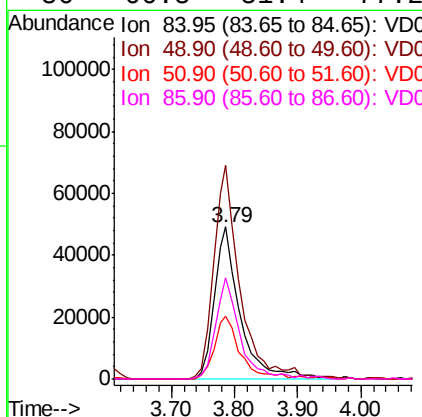
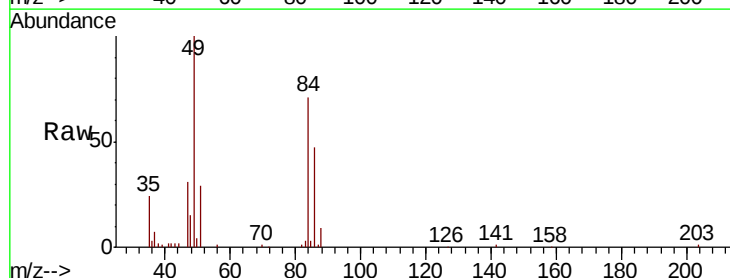
Instrument :
MSVOA_D
ClientSampleId :

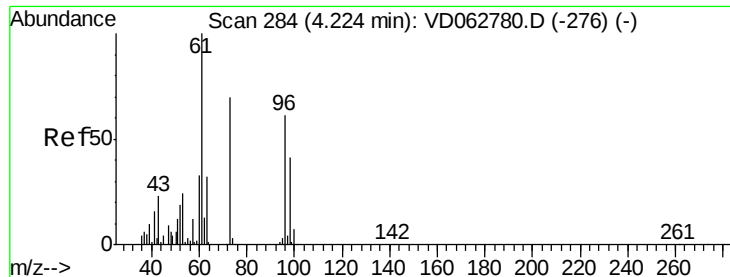
Tot Ion: 73 Resp: 275887
Ion Ratio Lower Upper
73 100
57 15.5 14.3 21.5



#20
Methylene Chloride
Concen: 19.154 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 84 Resp: 139355
Ion Ratio Lower Upper
84 100
49 140.5 102.9 154.3
51 41.2 31.2 46.8
86 66.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.662 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

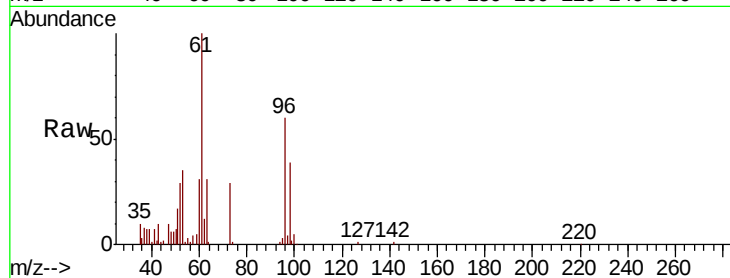
Tot Ion: 96 Resp: 123575

Ion Ratio Lower Upper

96 100

61 166.9 131.0 196.4

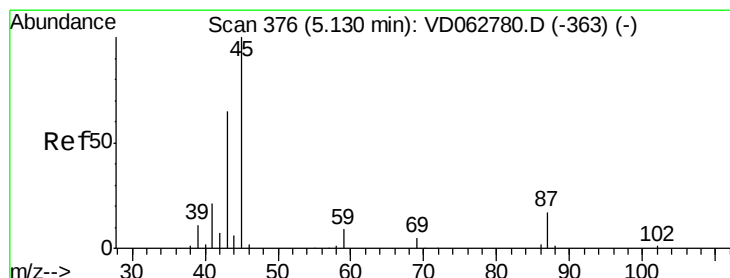
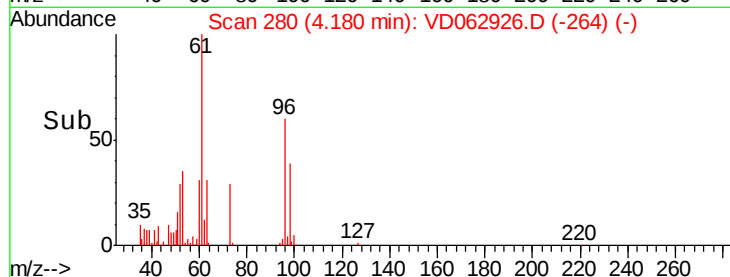
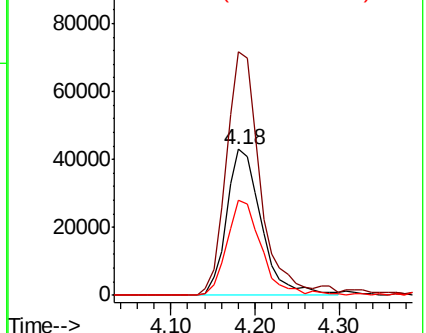
98 65.4 53.2 79.8



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: 16.839 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Tgt Ion: 45 Resp: 352451

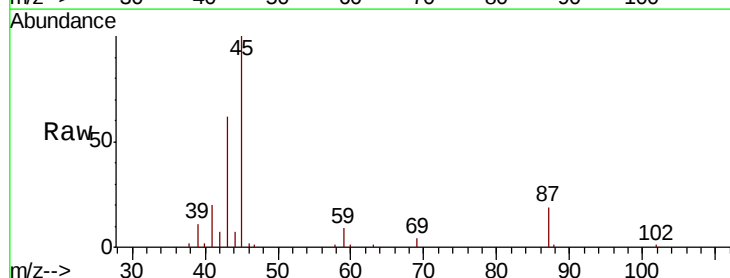
Ion Ratio Lower Upper

45 100

43 61.7 53.4 80.0

87 19.0 14.6 22.0

59 9.1 7.8 11.8

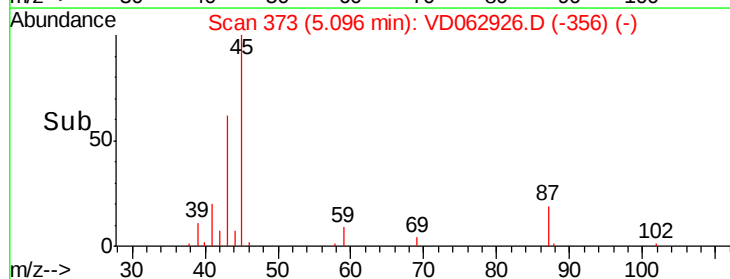
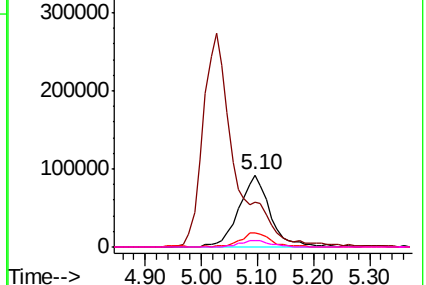


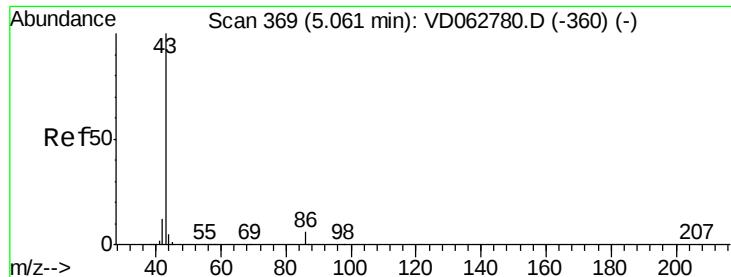
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

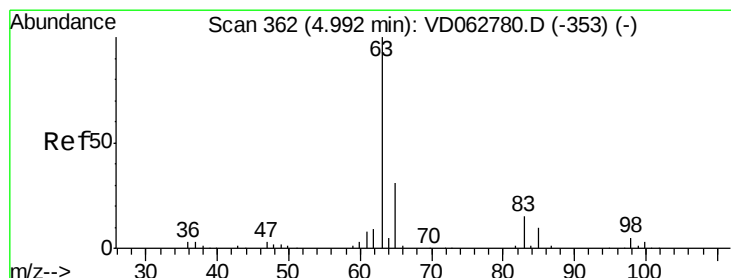
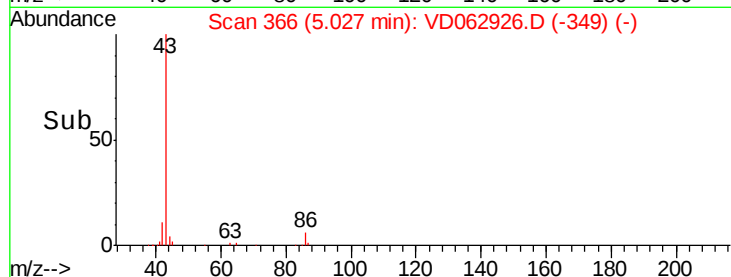
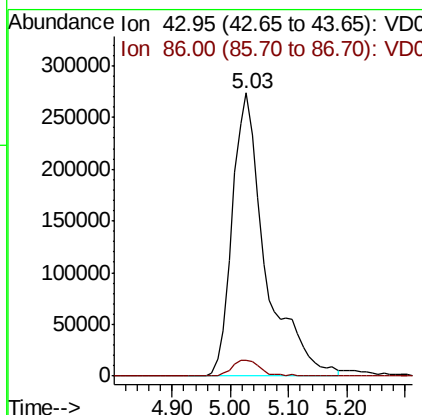
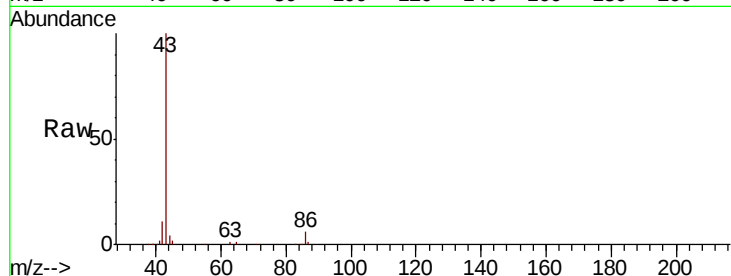




#23
 Vinyl Acetate
 Concen: 82.768 ug/l
 RT: 5.03 min Scan# 366
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

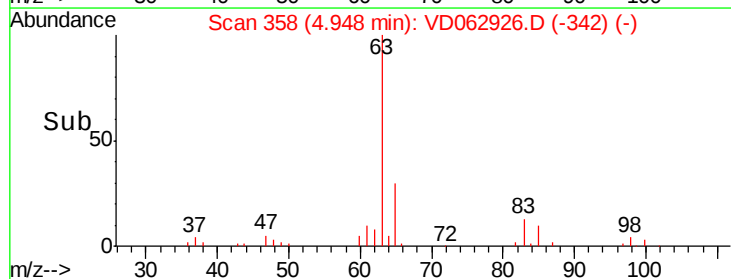
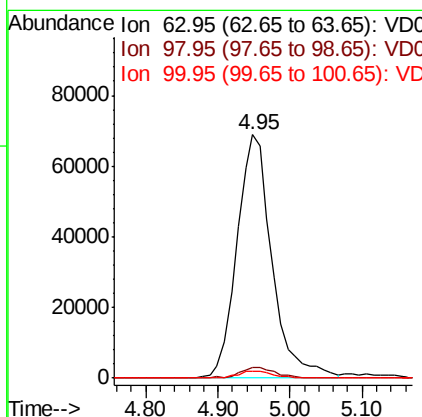
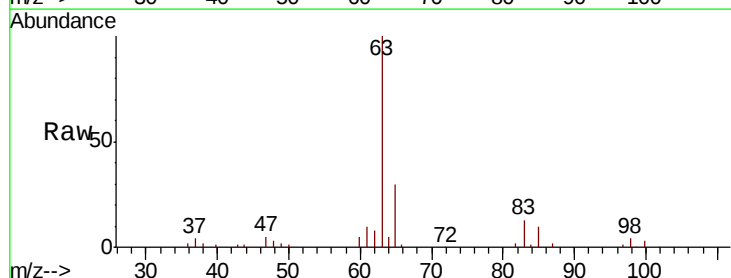
Instrument :
 MSVOA_D
 ClientSampleId :

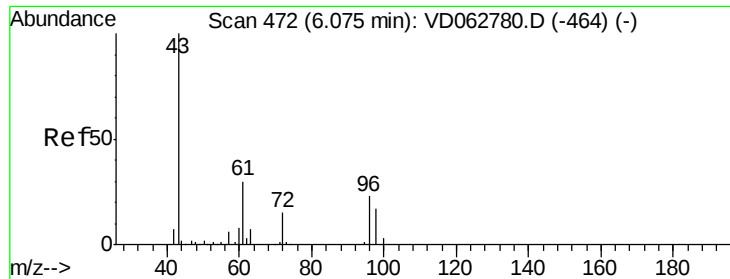
Tot Ion: 43 Resp: 1084037
 Ion Ratio Lower Upper
 43 100
 86 5.5 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 17.118 ug/l
 RT: 4.95 min Scan# 358
 Delta R.T. -0.04 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 63 Resp: 233277
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.3 6.9
 100 3.0 1.7 5.1





#25

2-Butanone

Concen: 91.507 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

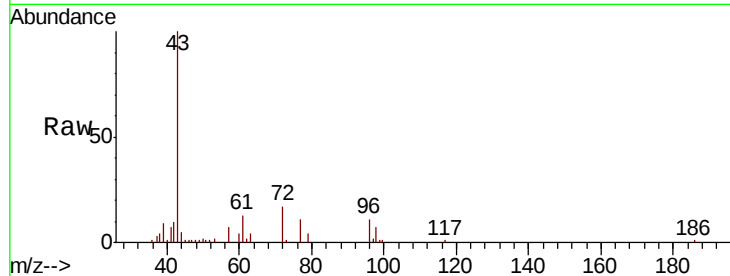
ClientSampleId :

Tot Ion: 43 Resp: 163275

Ion Ratio Lower Upper

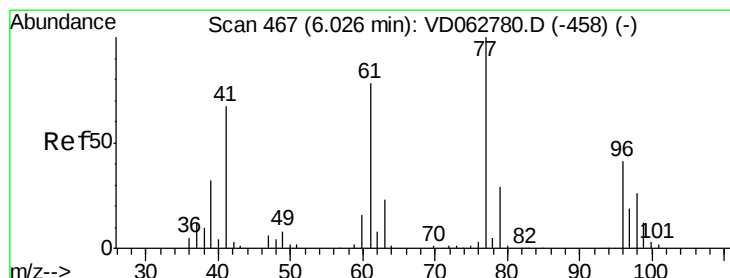
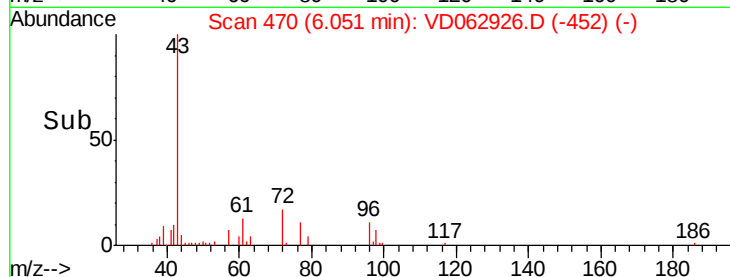
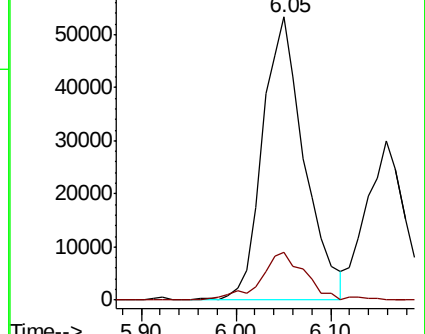
43 100

72 16.9 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: 16.527 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062926.D

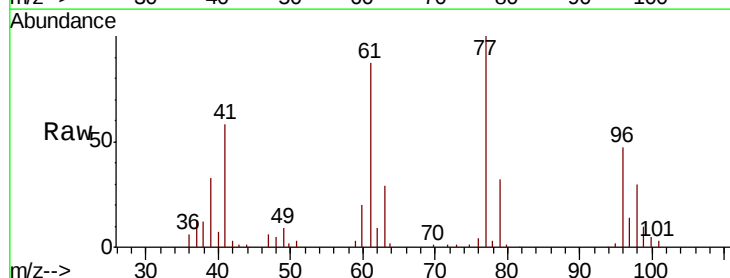
Acq: 27 Jun 2019 12:47

Tgt Ion: 77 Resp: 238722

Ion Ratio Lower Upper

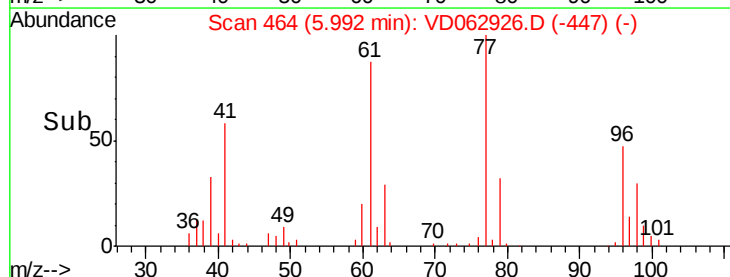
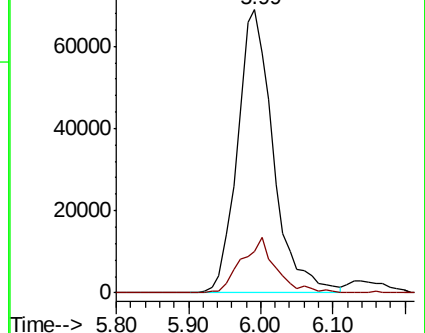
77 100

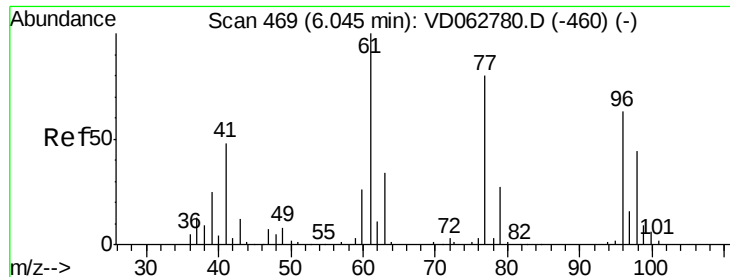
97 14.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

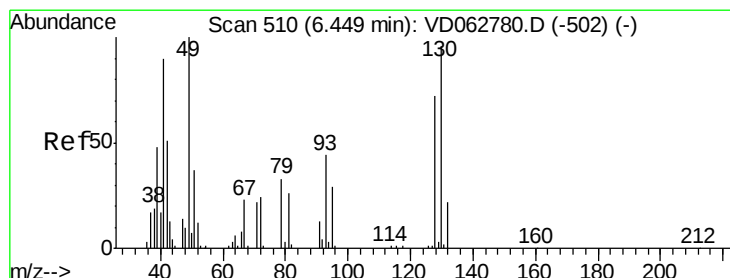
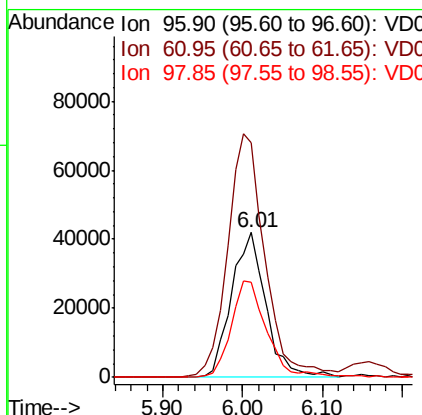
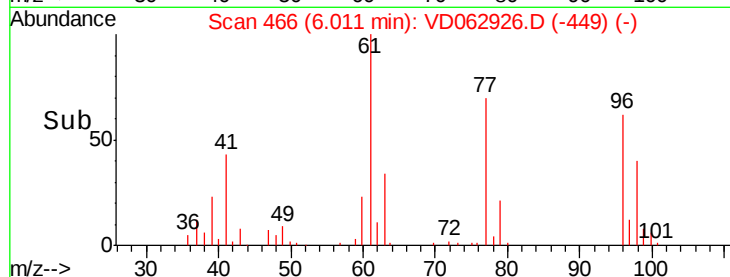
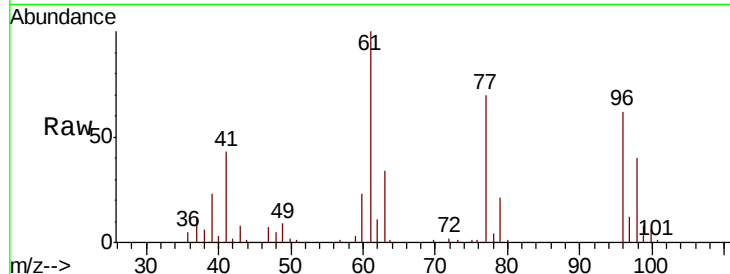




#27
 cis-1,2-Dichloroethene
 Concen: 16.090 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

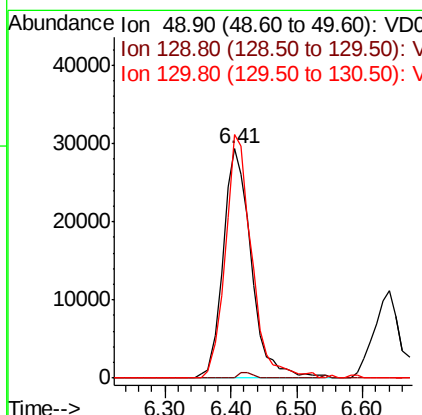
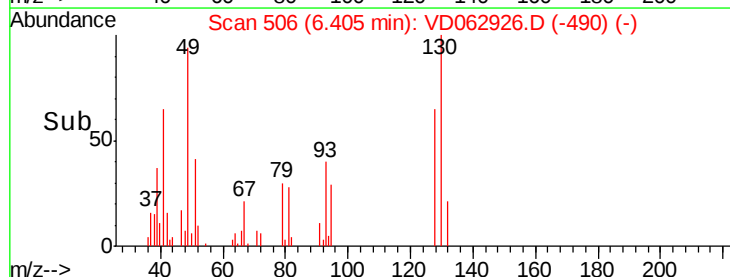
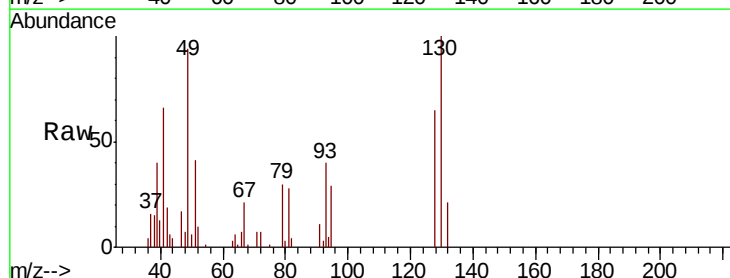
Instrument :
 MSVOA_D
 ClientSampled :

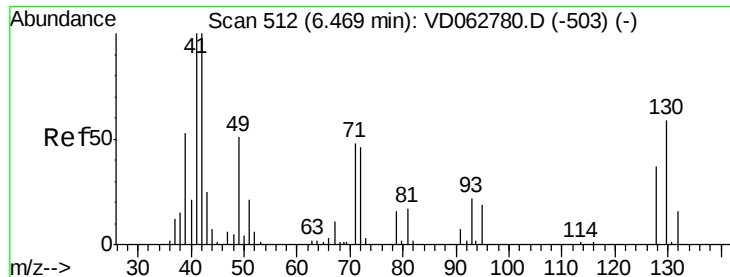
Tot Ion: 96 Resp: 126194
 Ion Ratio Lower Upper
 96 100
 61 162.0 0.0 316.0
 98 65.5 0.0 138.4



#28
 Bromochloromethane
 Concen: 18.221 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 49 Resp: 87456
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 106.4 76.6 114.8





#29

Tetrahydrofuran

Concen: 83.473 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

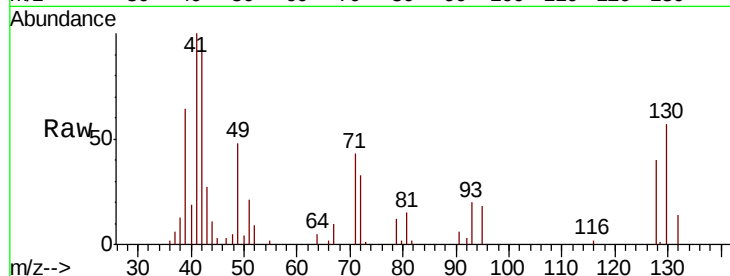
Tot Ion: 42 Resp: 70469

Ion Ratio Lower Upper

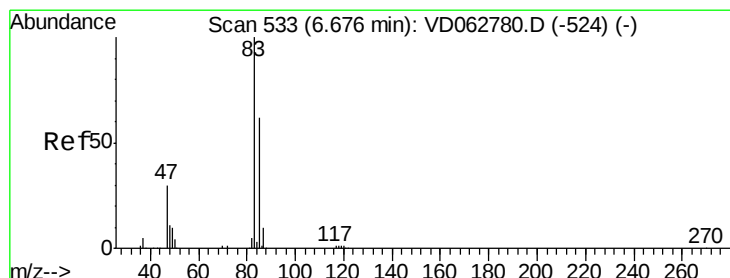
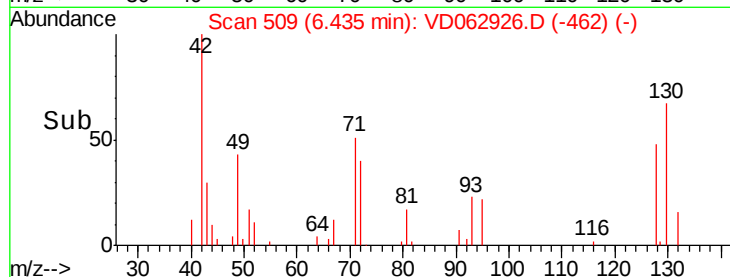
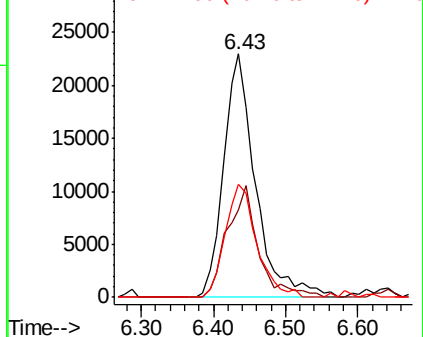
42 100

72 44.6 35.0 52.6

71 45.7 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: 16.775 ug/l

RT: 6.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062926.D

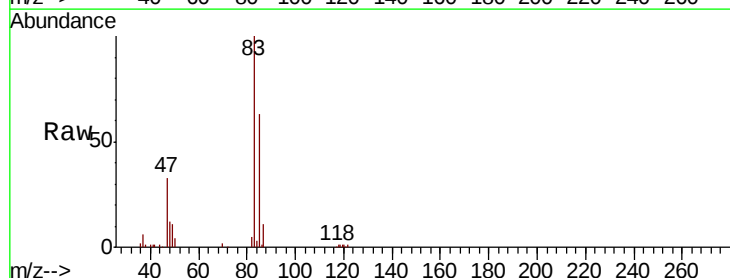
Acq: 27 Jun 2019 12:47

Tgt Ion: 83 Resp: 278019

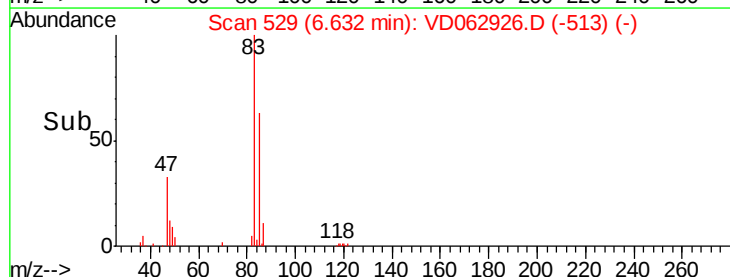
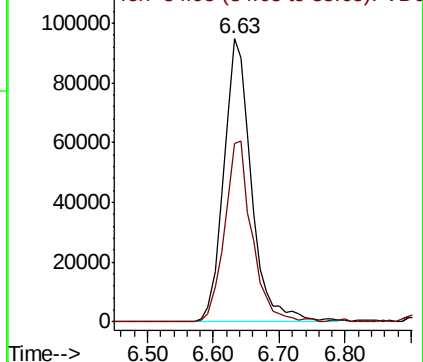
Ion Ratio Lower Upper

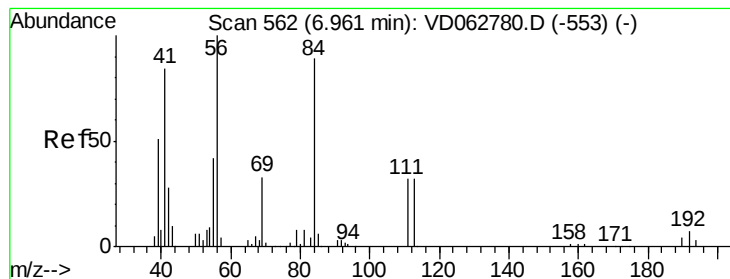
83 100

85 62.8 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: 15.788 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

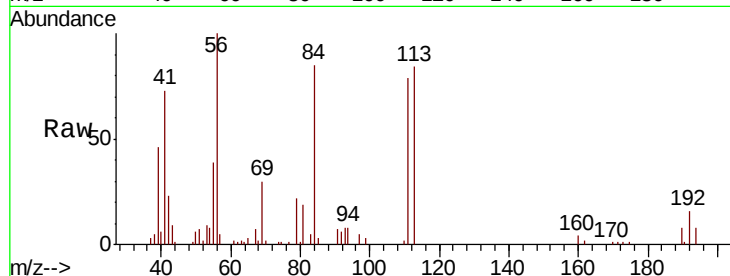
Tot Ion: 56 Resp: 141438

Ion Ratio Lower Upper

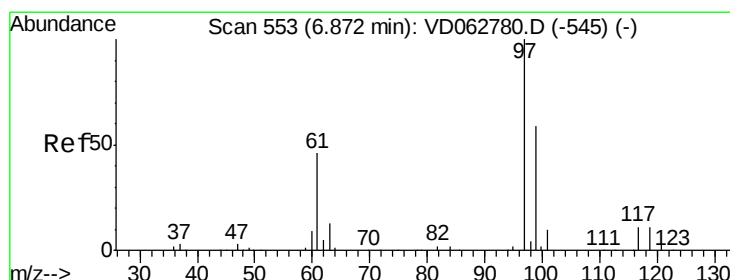
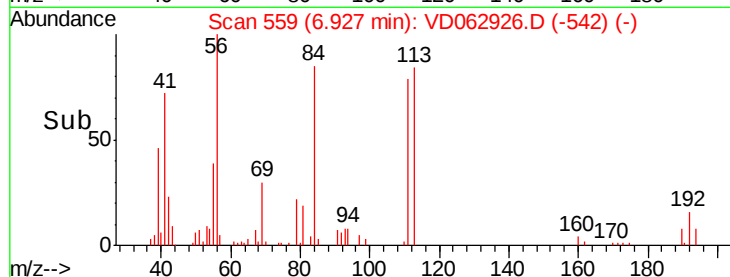
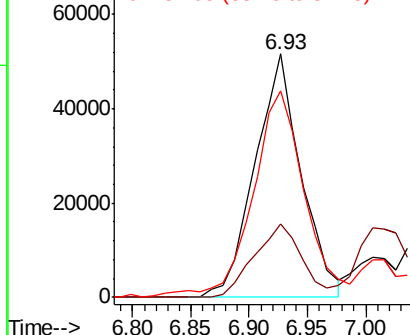
56 100

69 30.4 26.6 39.8

84 84.8 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: 16.738 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

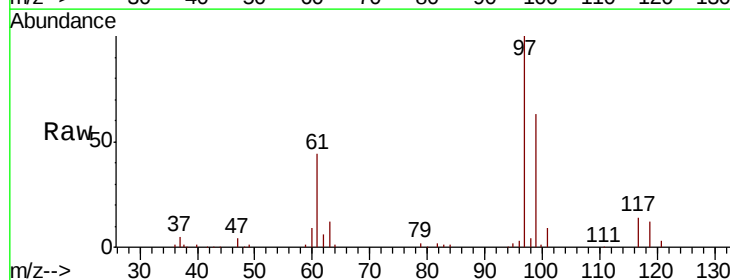
Tgt Ion: 97 Resp: 288938

Ion Ratio Lower Upper

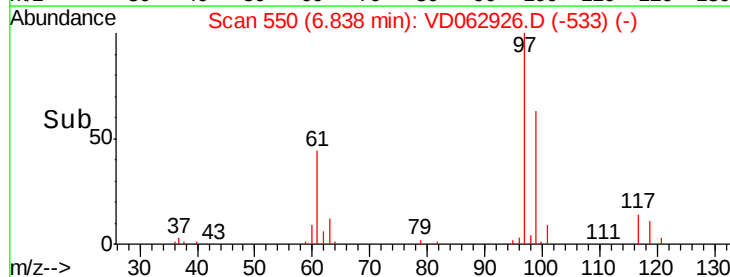
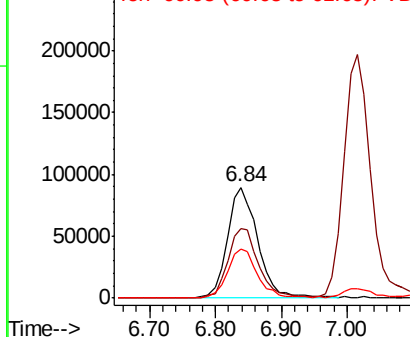
97 100

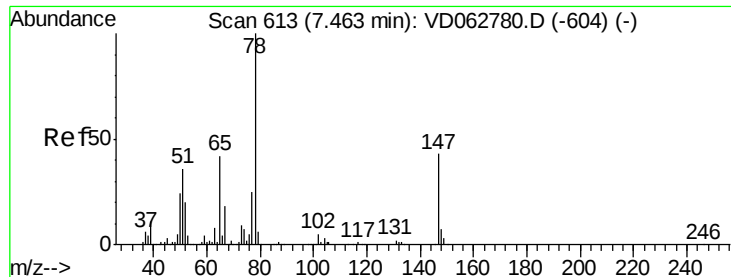
99 63.0 47.4 71.2

61 44.4 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: 47.336 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

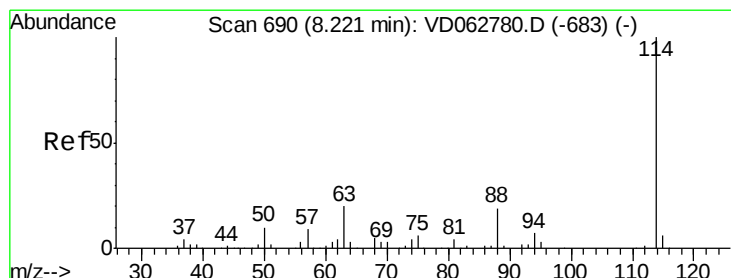
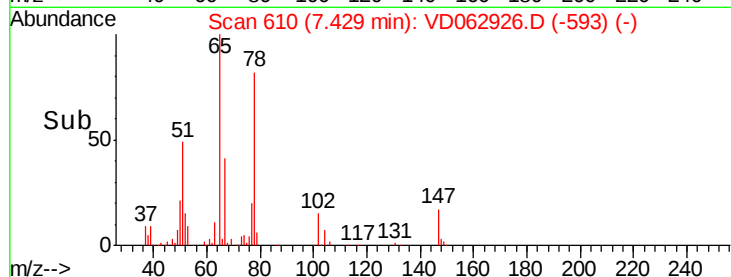
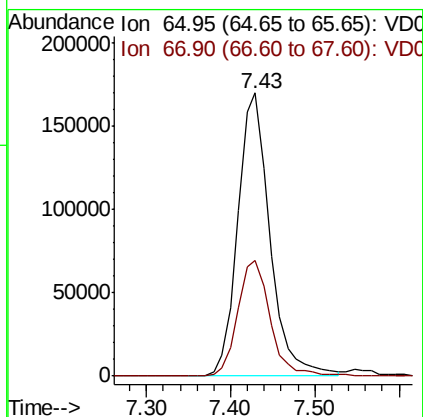
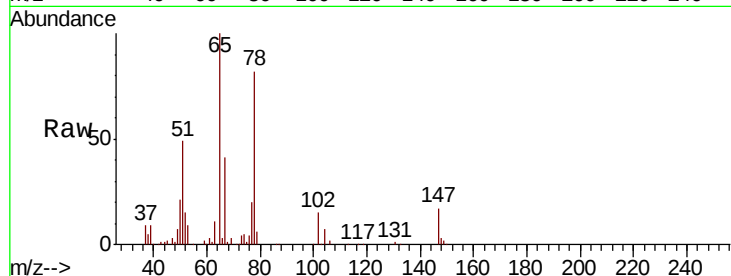
ClientSampleId :

Tot Ion: 65 Resp: 451587

Ion Ratio Lower Upper

65 100

67 40.7 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

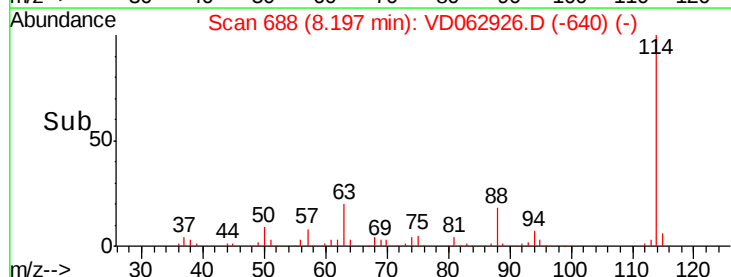
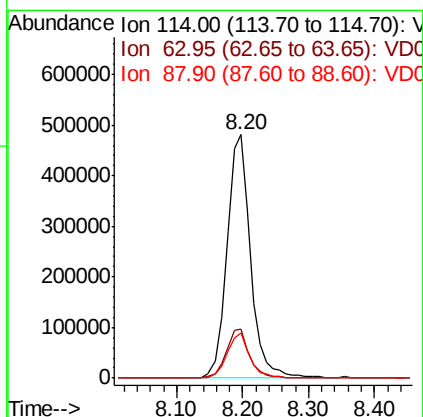
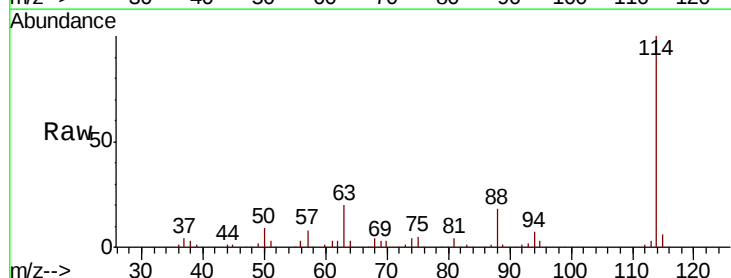
Tgt Ion: 114 Resp: 1198721

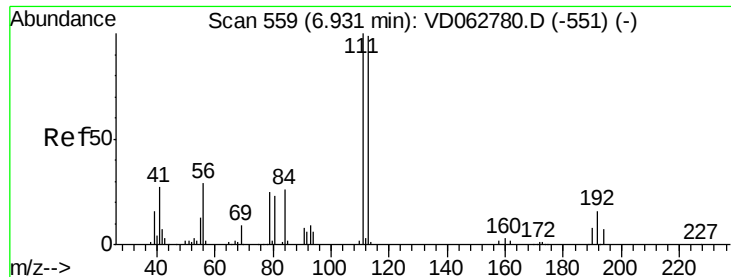
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 18.5 0.0 38.8

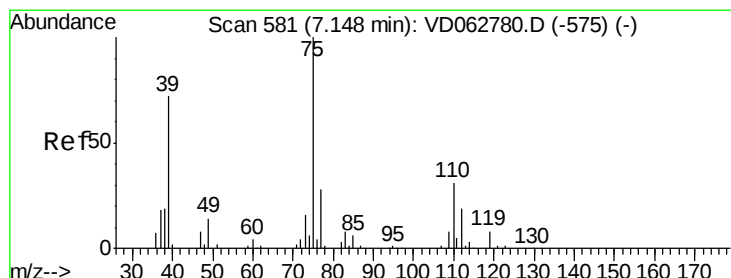
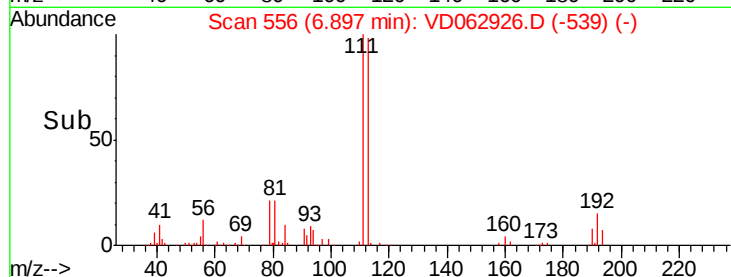
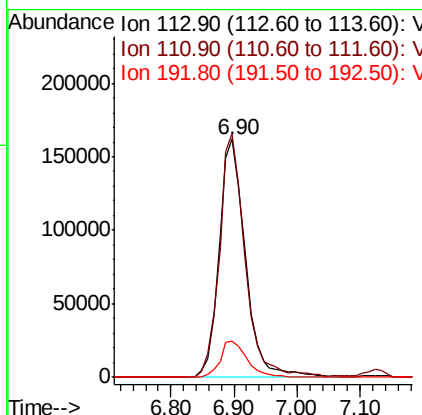
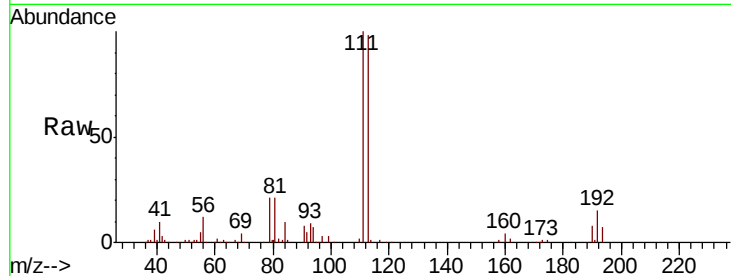




#35
 Dibromofluoromethane
 Concen: 46.436 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

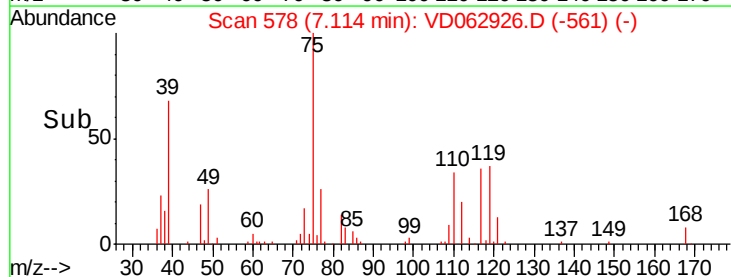
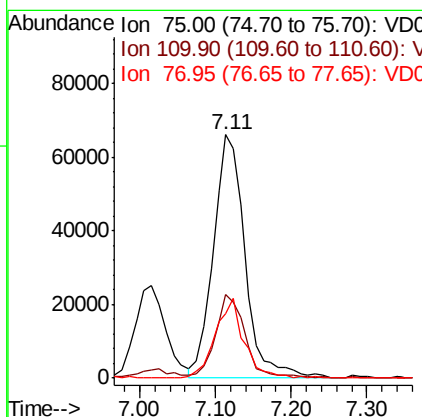
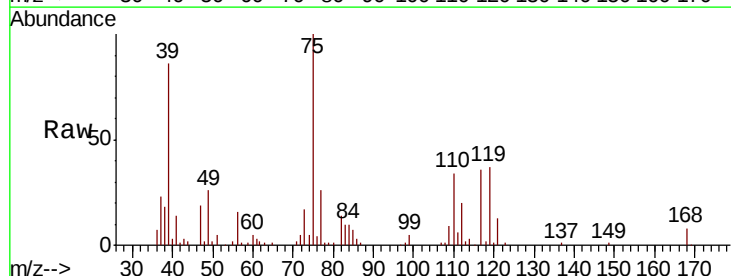
Instrument :
 MSVOA_D
 ClientSampleId :

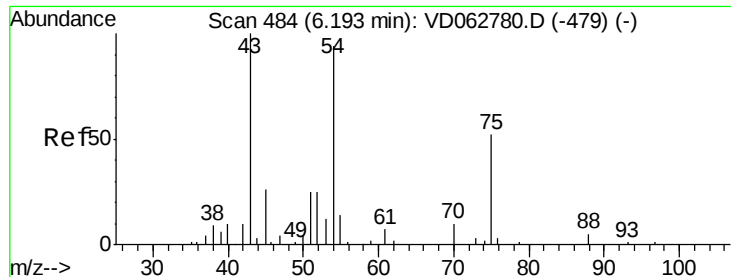
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.2	121.8
192	15.0	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 16.994 ug/l
 RT: 7.11 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	15.0	45.1
77	26.2	22.2	33.2

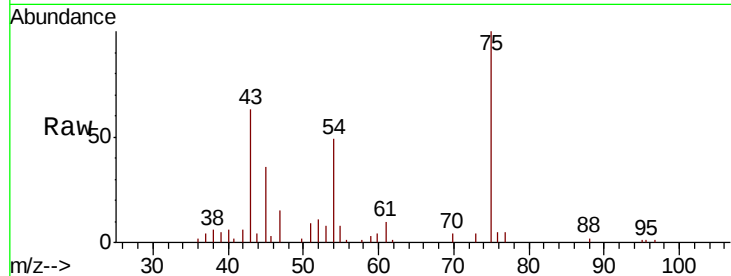




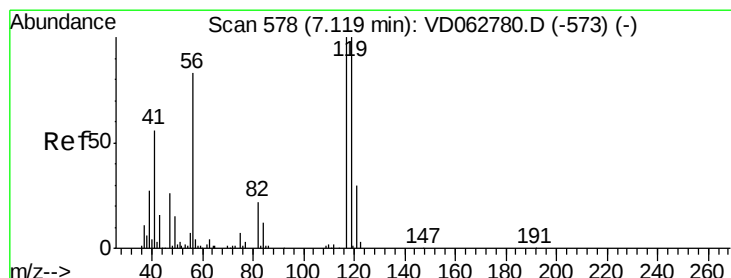
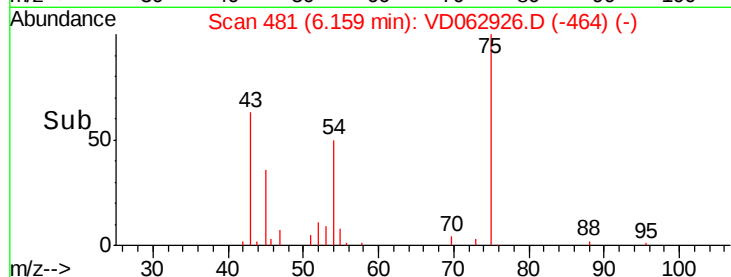
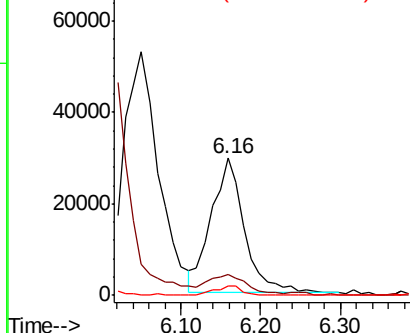
#37
Ethyl Acetate
Concen: 17.225 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 85551
Ion Ratio Lower Upper
43 100
61 15.6 11.6 17.4
70 7.1 6.4 9.6

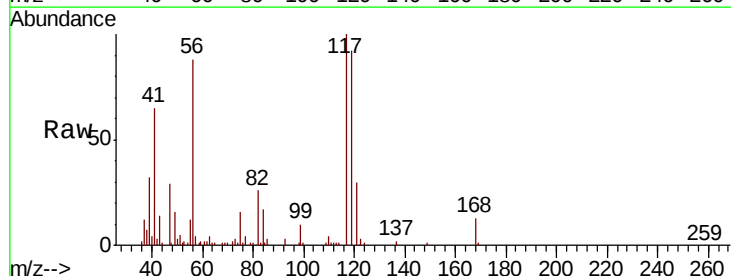


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

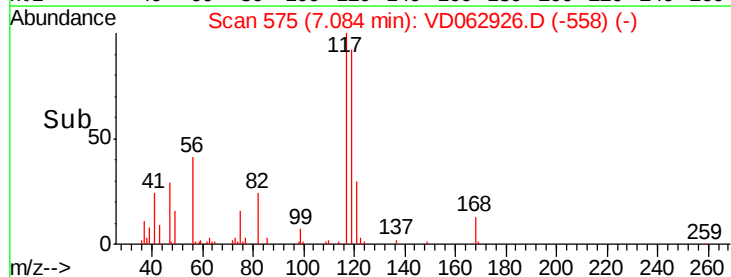
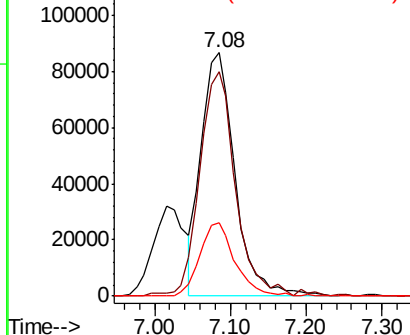


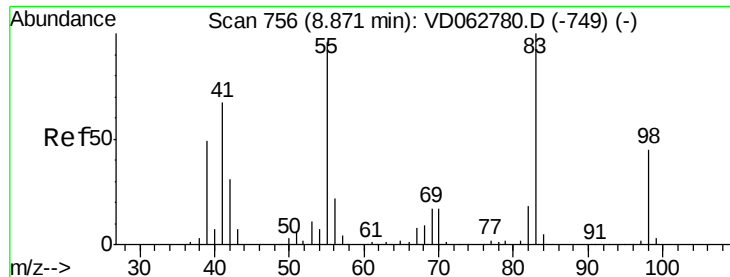
#38
Carbon Tetrachloride
Concen: 15.784 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 117 Resp: 269377
Ion Ratio Lower Upper
117 100
119 92.2 75.4 113.2
121 30.2 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

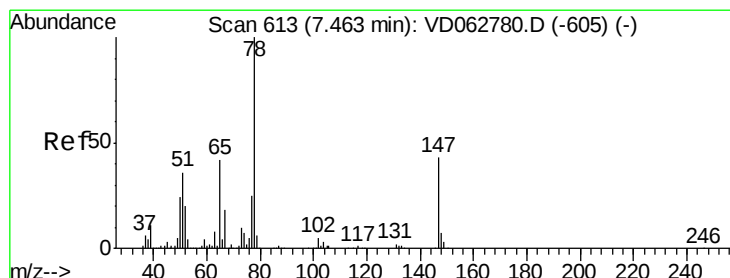
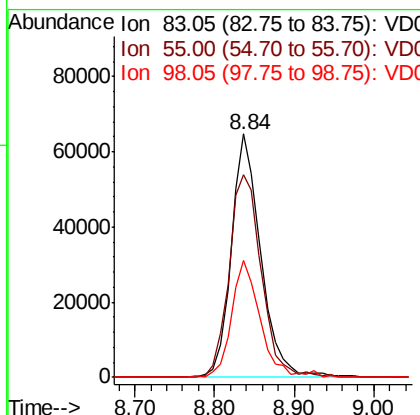
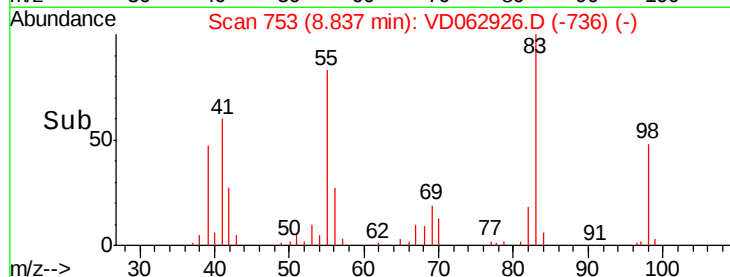
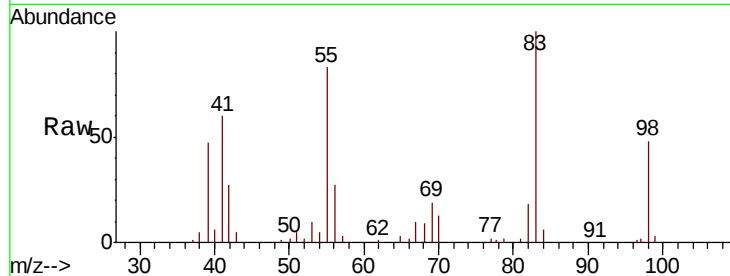




#39
Methvlcvclohexane
Concen: 16.612 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

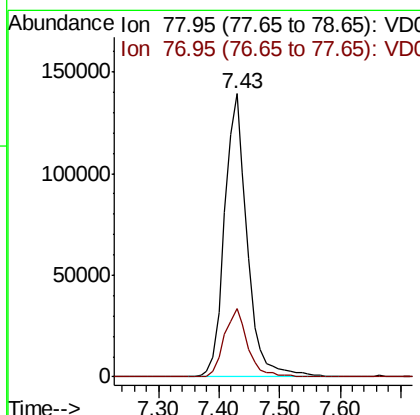
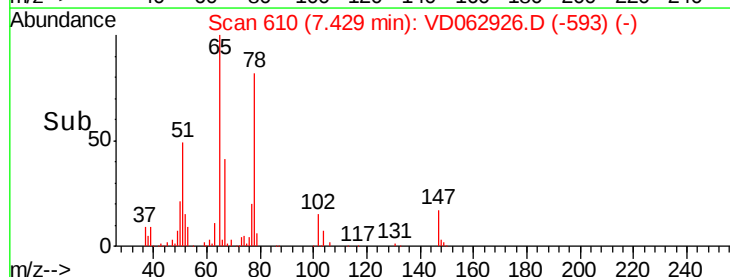
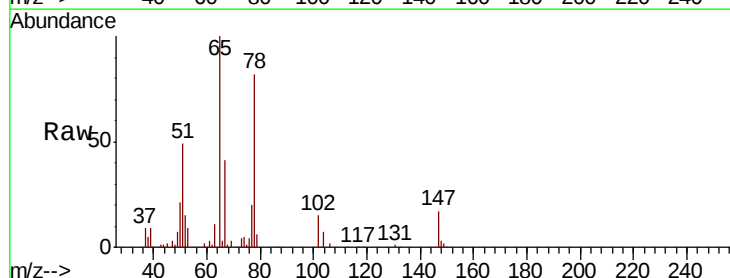
Instrument :
MSVOA_D
ClientSampled :

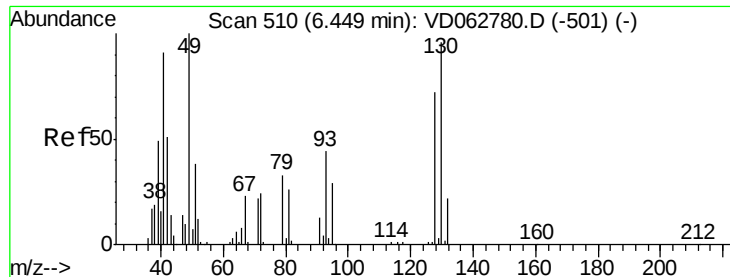
Tot Ion: 83 Resp: 165926
Ion Ratio Lower Upper
83 100
55 83.0 76.6 115.0
98 48.0 35.7 53.5



#40
Benzene
Concen: 15.845 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 78 Resp: 360924
Ion Ratio Lower Upper
78 100
77 24.3 20.2 30.2

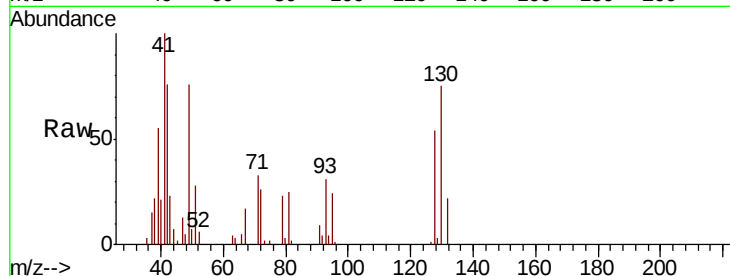




#41
Methacrylonitrile
Concen: 17.851 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.2	64.8
67	16.5	19.9	29.9
52	5.5	10.2	15.4



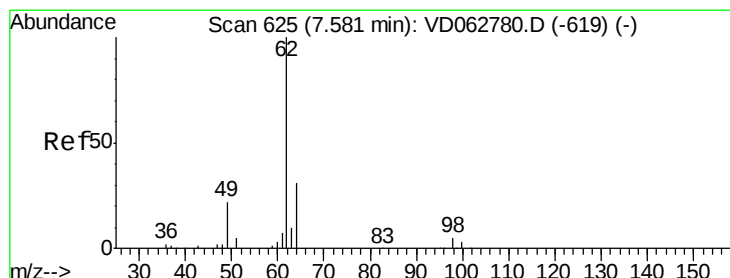
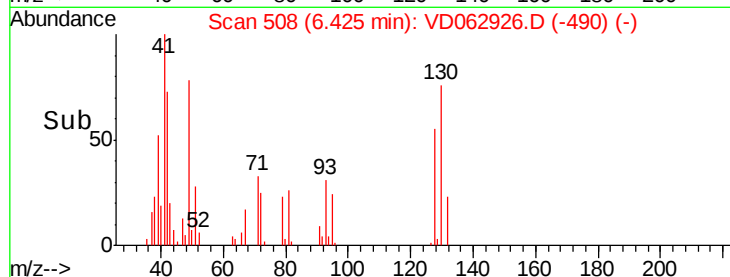
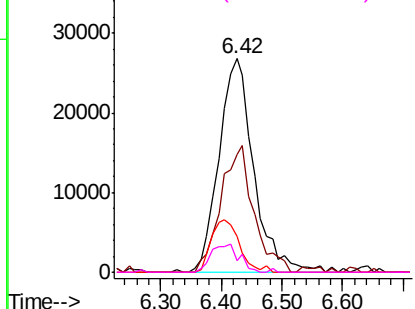
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

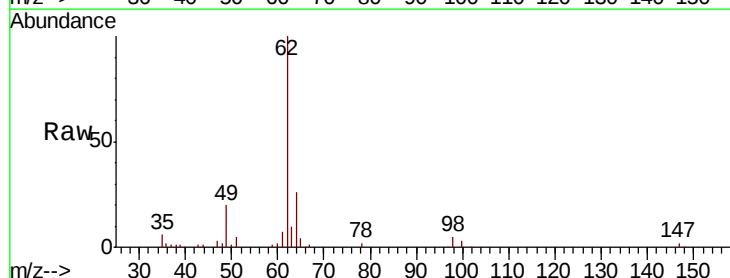
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 17.614 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

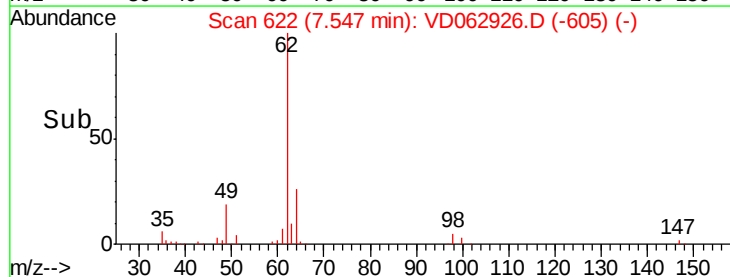
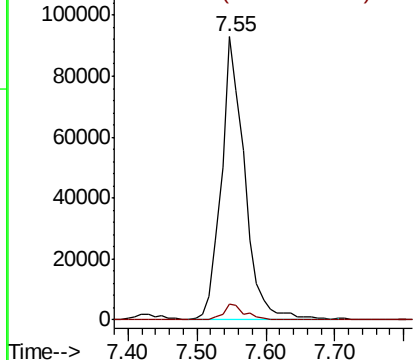
Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	10.0



Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



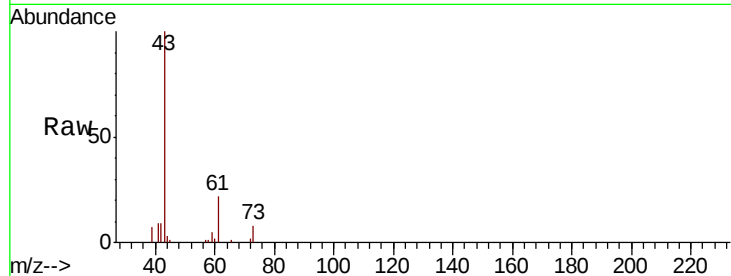


#43

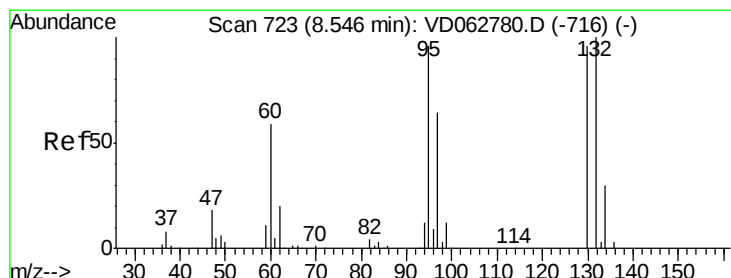
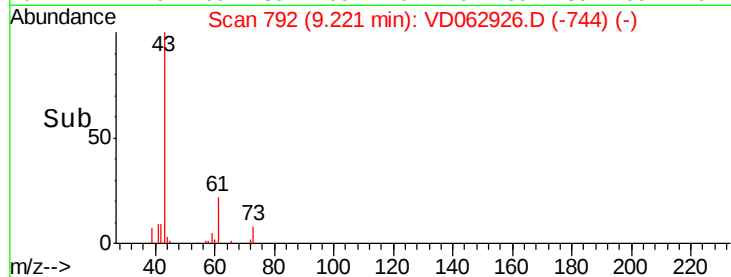
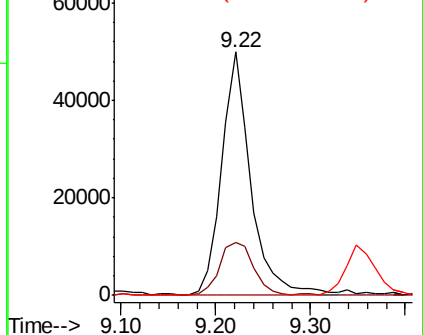
Isopropyl Acetate
 Concen: 17.969 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	106901
Ion Ratio	Lower	Upper	
43	100		
61	21.8	22.4	33.6#
87	0.0	0.3	0.5#



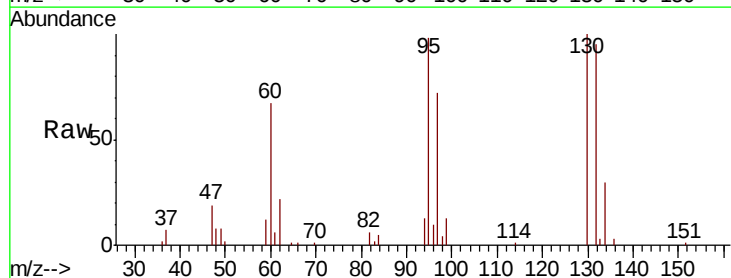
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



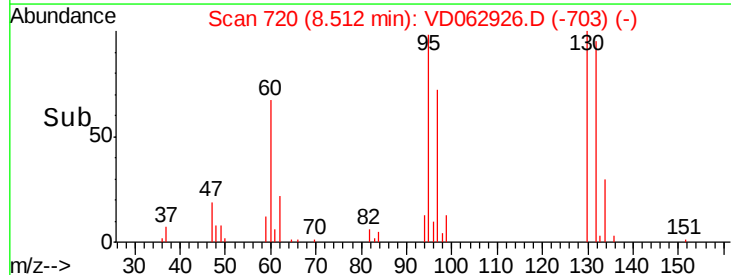
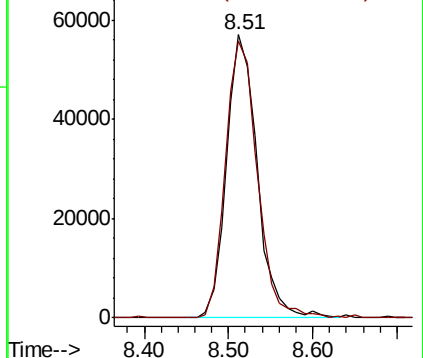
#44

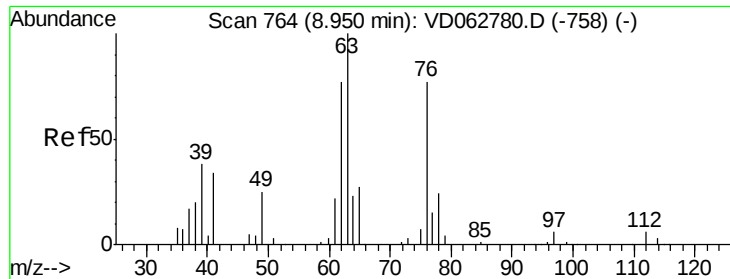
Trichloroethene
 Concen: 16.232 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion	130	Resp	144951
Ion Ratio	Lower	Upper	
130	100		
95	97.9	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: 16.354 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

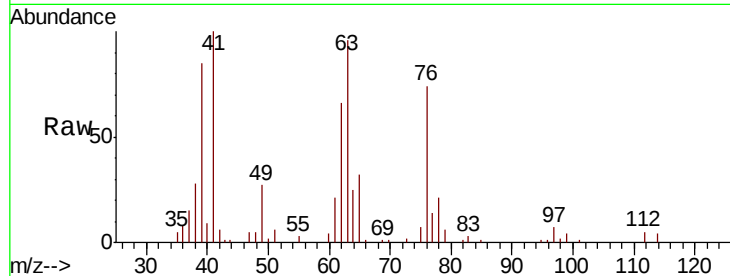
ClientSampleId :

Tot Ion: 63 Resp: 92627

Ion Ratio Lower Upper

63 100

65 33.7 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

40000

30000

20000

10000

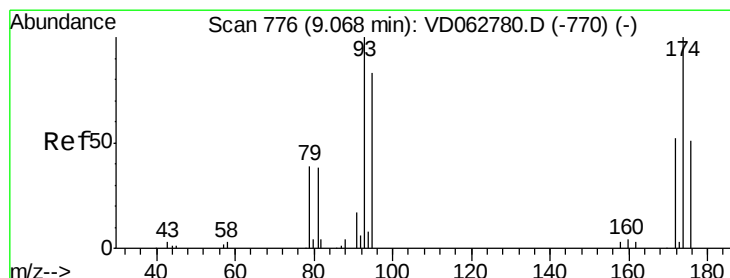
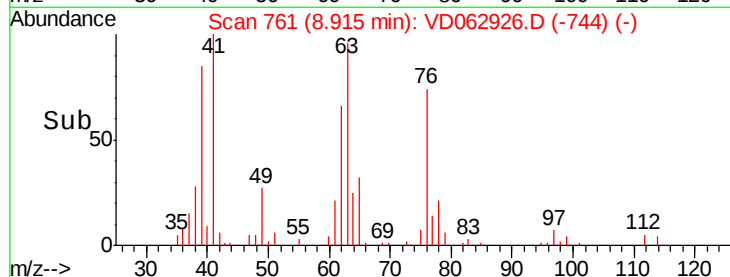
0

Time-->

8.80

8.90

9.00



#46

Dibromomethane

Concen: 17.103 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

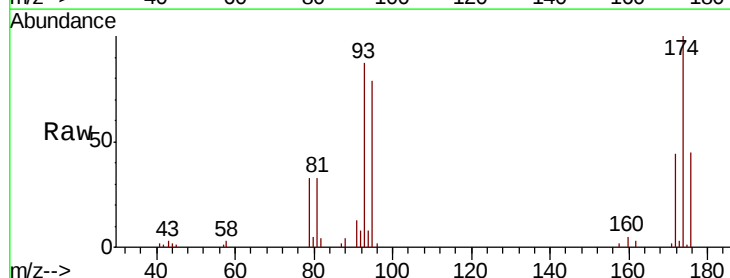
Tgt Ion: 93 Resp: 83213

Ion Ratio Lower Upper

93 100

95 91.5 66.6 100.0

174 115.1 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

50000

40000

30000

20000

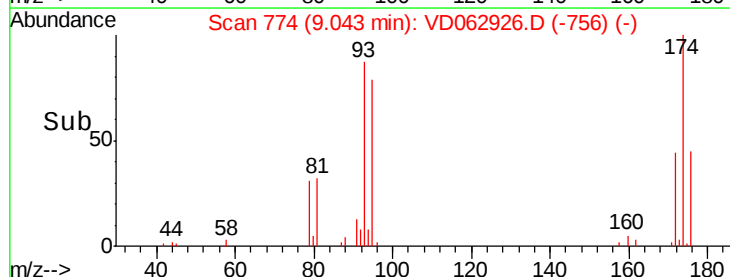
10000

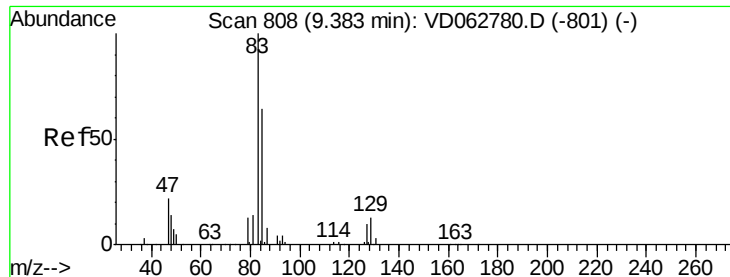
0

Time-->

9.00

9.10





#47

Bromodichloromethane

Concen: 16.863 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

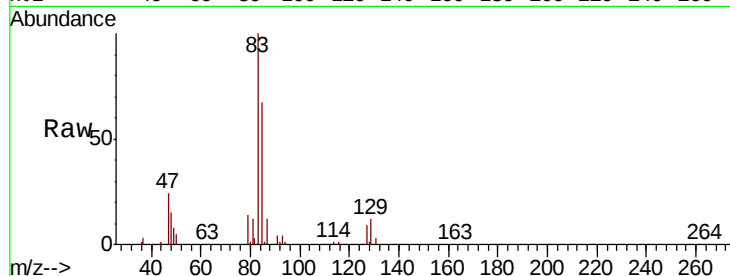
Tot Ion: 83 Resp: 213079

Ion Ratio Lower Upper

83 100

85 67.4 51.6 77.4

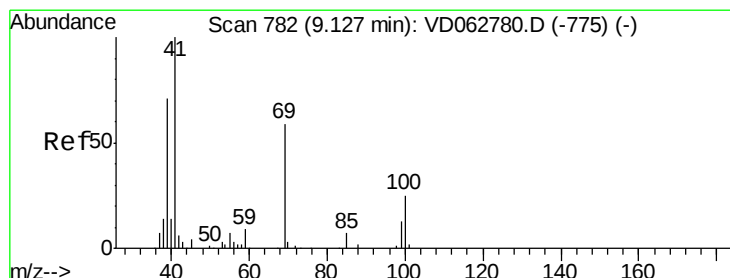
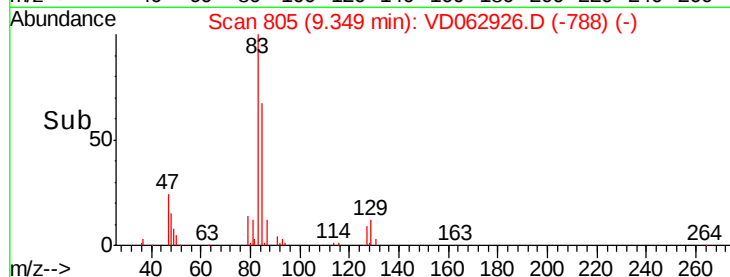
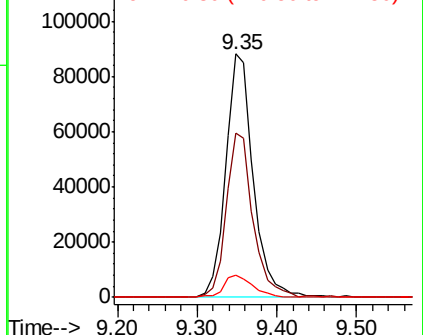
127 9.0 7.8 11.6



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: 16.132 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

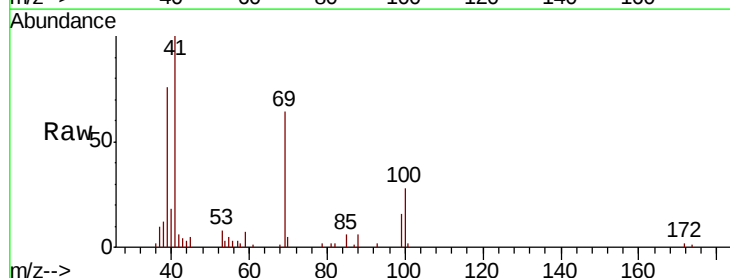
Tgt Ion: 41 Resp: 68200

Ion Ratio Lower Upper

41 100

69 64.5 47.2 70.8

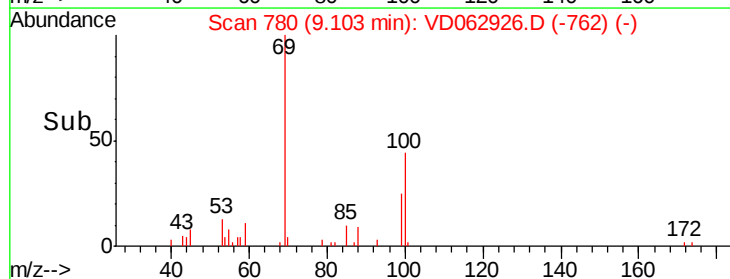
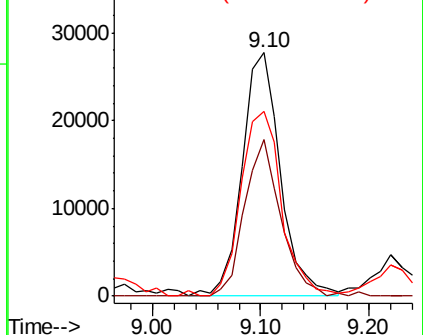
39 75.8 57.4 86.2

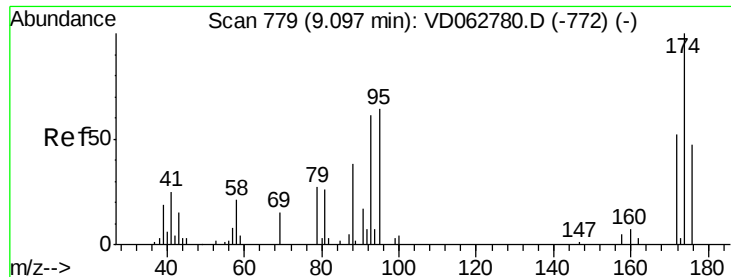


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

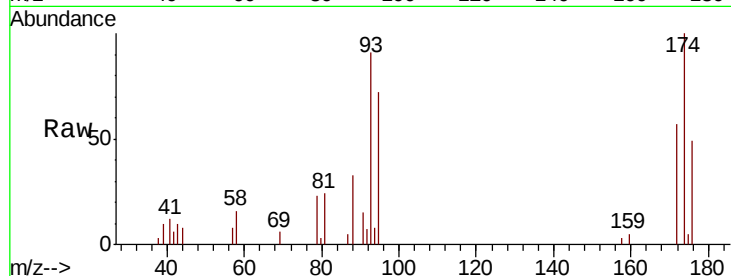




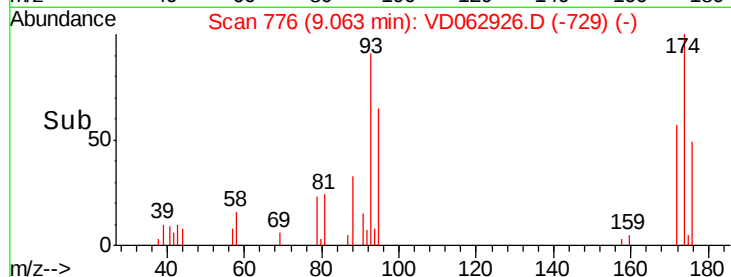
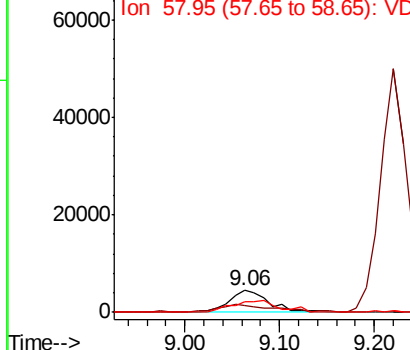
#49
1,4-Dioxane
Concen: 374.524 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 13173
Ion Ratio Lower Upper
88 100
43 31.7 32.1 48.1#
58 48.1 44.1 66.1

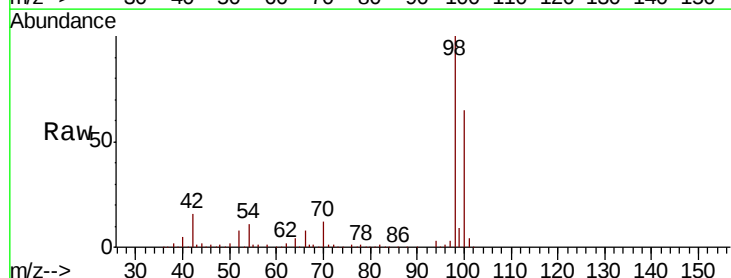


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

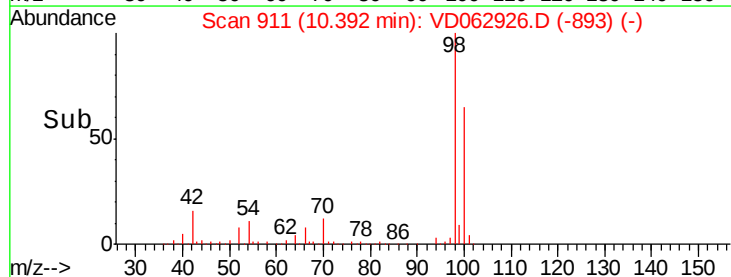
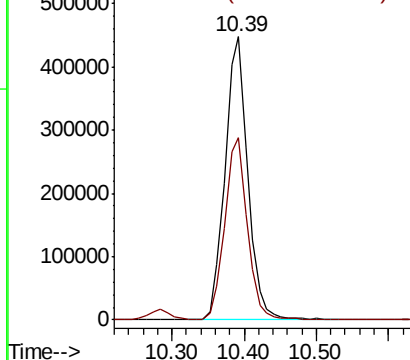


#50
Toluene-d8
Concen: 44.576 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 98 Resp: 980619
Ion Ratio Lower Upper
98 100
100 64.6 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: 84.793 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

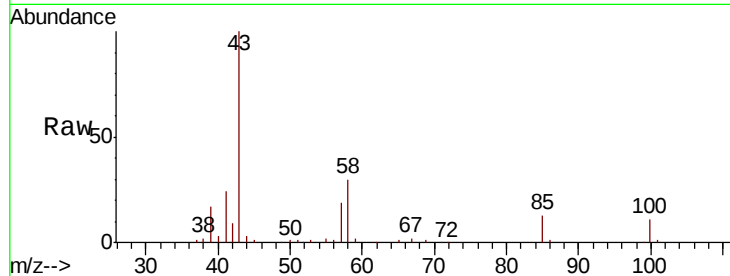
ClientSampleId :

Tot Ion: 43 Resp: 357649

Ion Ratio Lower Upper

43 100

58 29.5 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

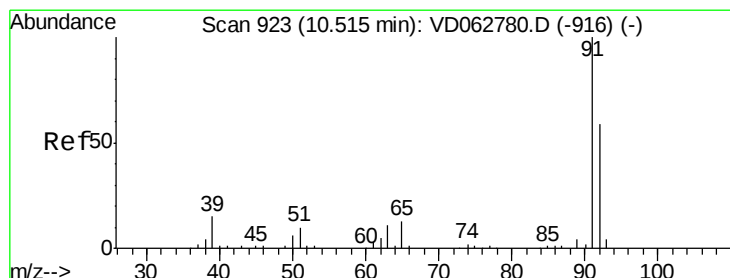
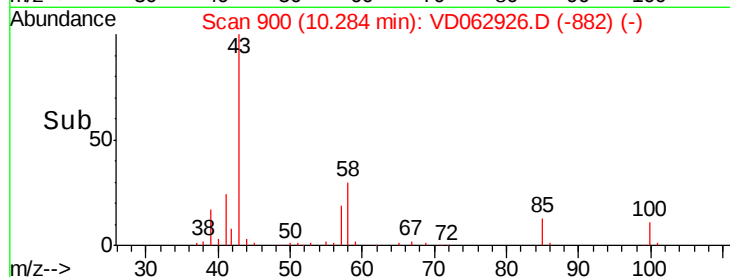
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 16.468 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062926.D

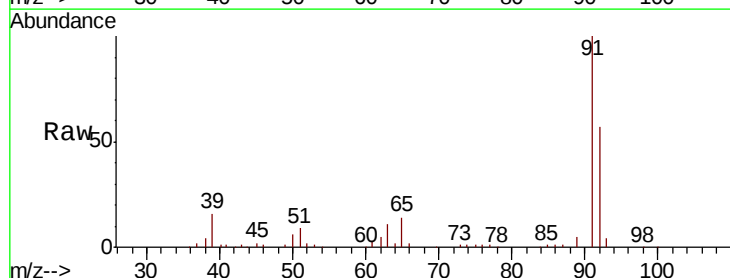
Acq: 27 Jun 2019 12:47

Tgt Ion: 92 Resp: 252146

Ion Ratio Lower Upper

92 100

91 176.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

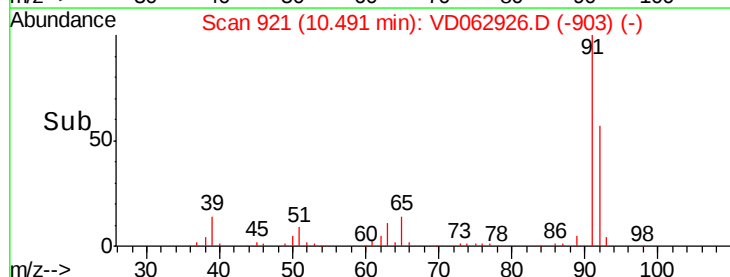
150000

100000

50000

0

Time-->

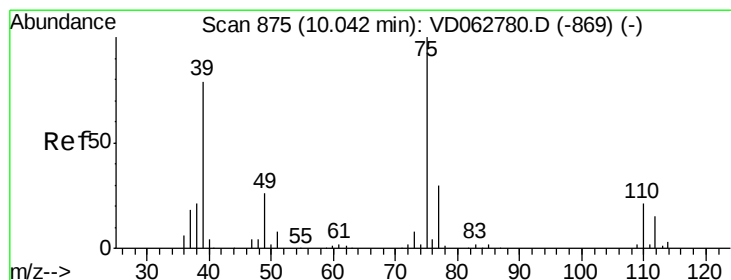
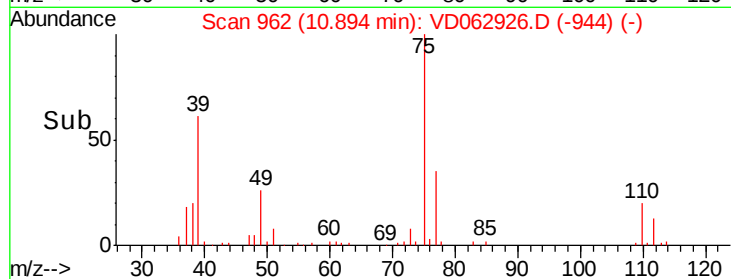
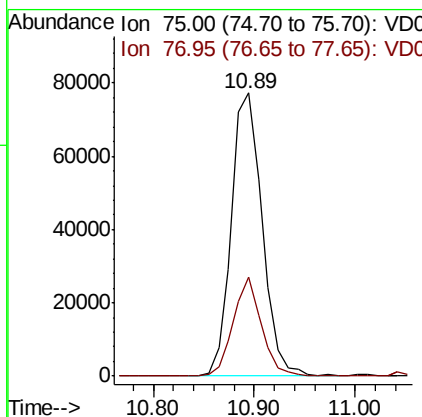
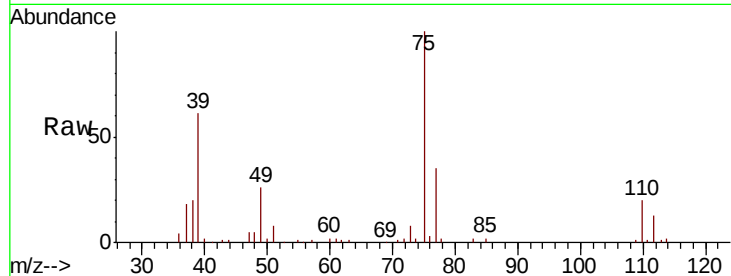




#53
 t-1,3-Dichloropropene
 Concen: 15.816 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

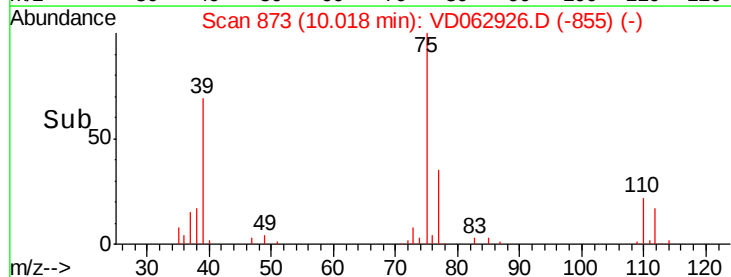
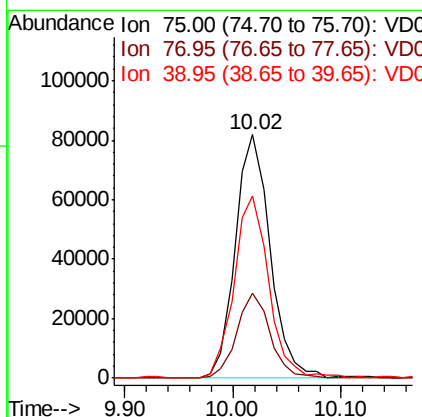
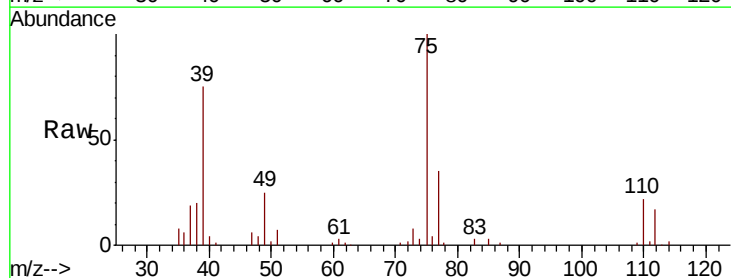
Instrument :
 MSVOA_D
 ClientSampleId :

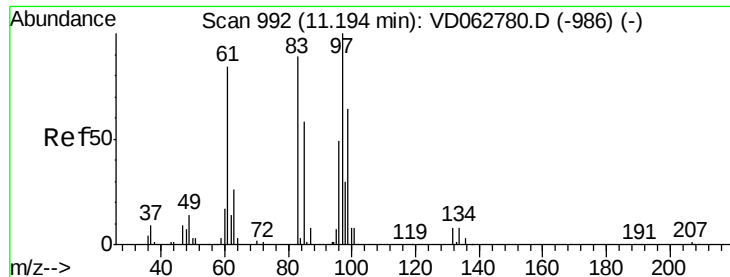
Tot Ion: 75 Resp: 163576
 Ion Ratio Lower Upper
 75 100
 77 34.8 23.2 34.8#



#54
 cis-1,3-Dichloropropene
 Concen: 16.383 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 75 Resp: 184162
 Ion Ratio Lower Upper
 75 100
 77 35.0 24.2 36.2
 39 75.0 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 17.157 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 90256

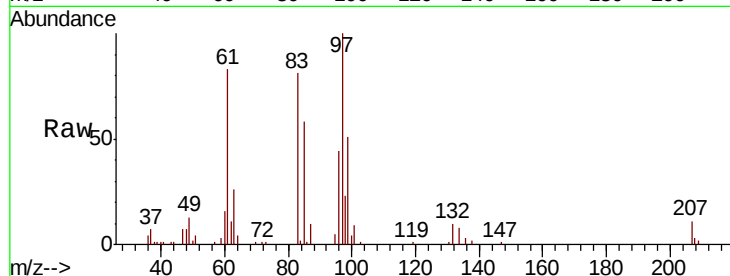
Ion Ratio Lower Upper

97 100

83 81.1 71.0 106.4

85 58.2 46.6 69.8

99 51.2 51.4 77.0#

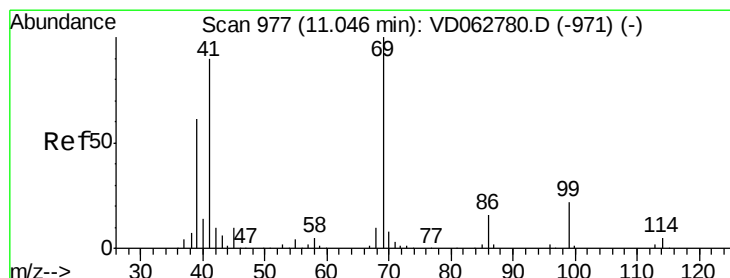
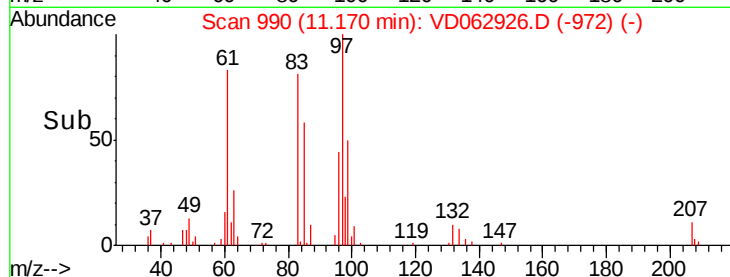
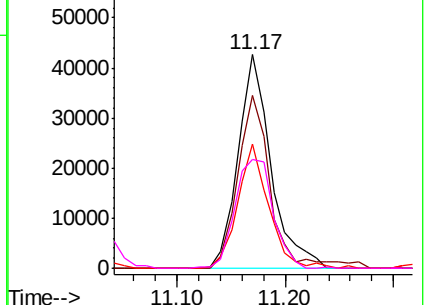


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 16.195 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.02 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

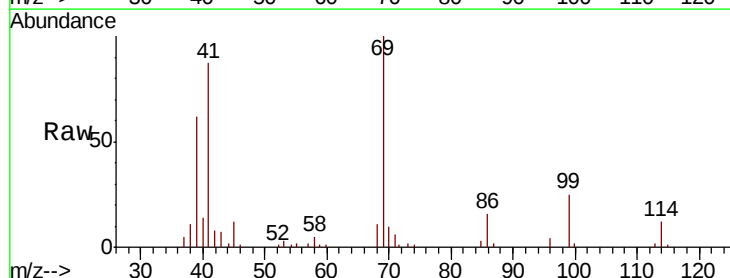
Tgt Ion: 69 Resp: 91042

Ion Ratio Lower Upper

69 100

41 87.4 72.0 108.0

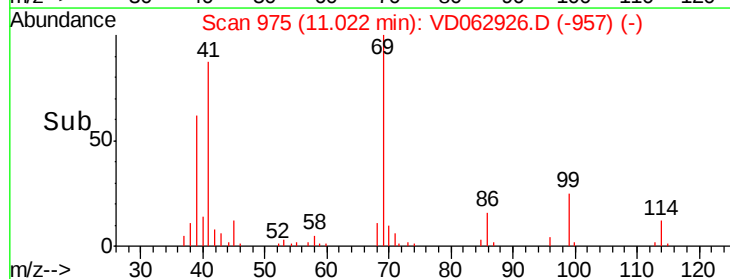
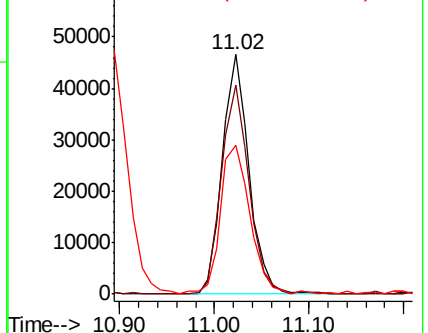
39 62.1 49.5 74.3

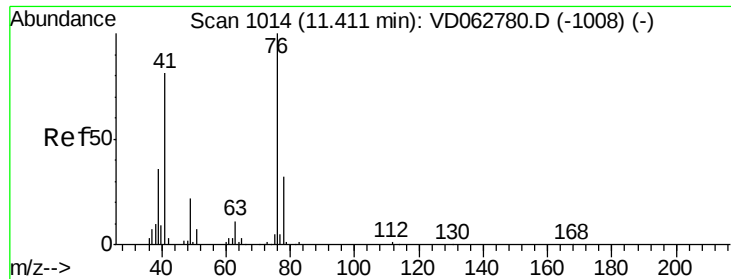


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

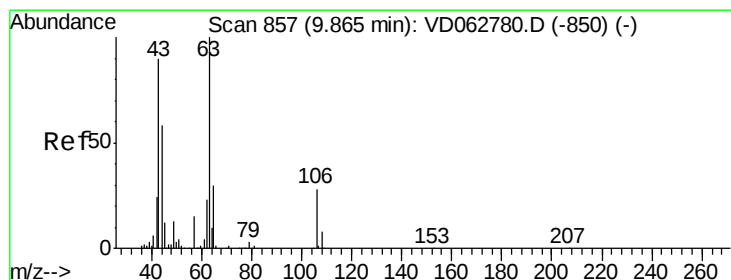
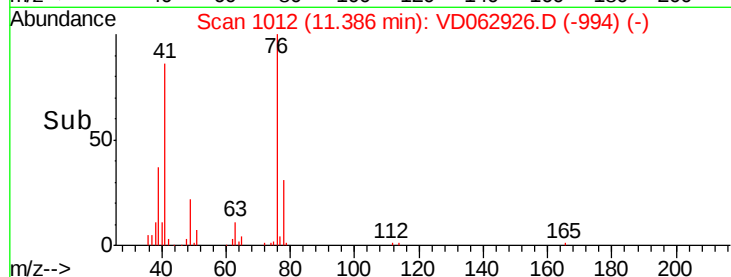
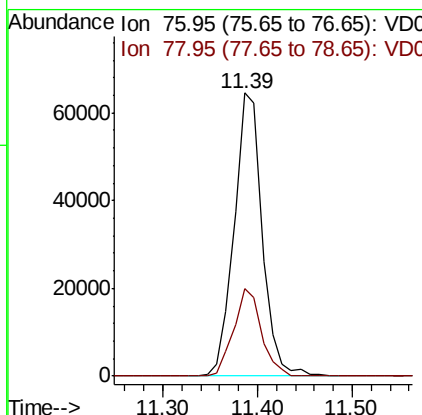
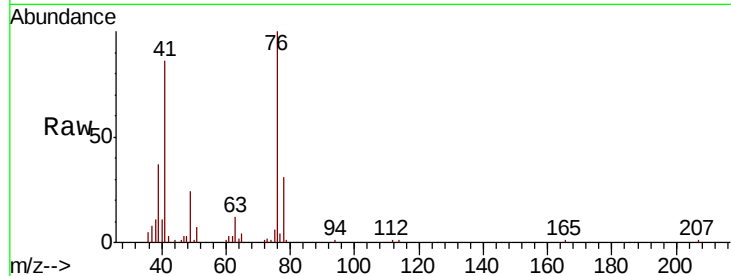




#57
 1,3-Dichloropropane
 Concen: 16.403 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

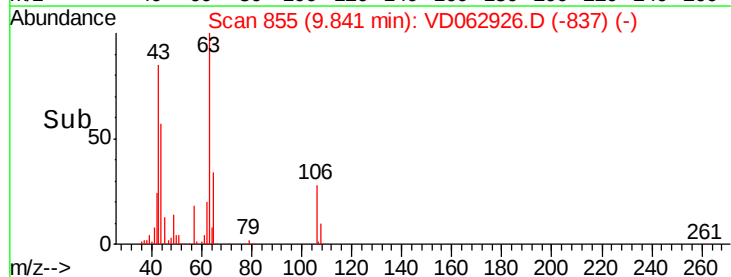
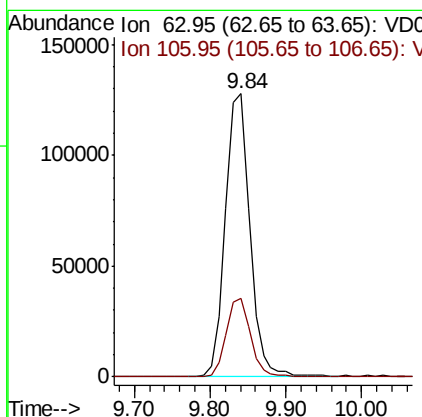
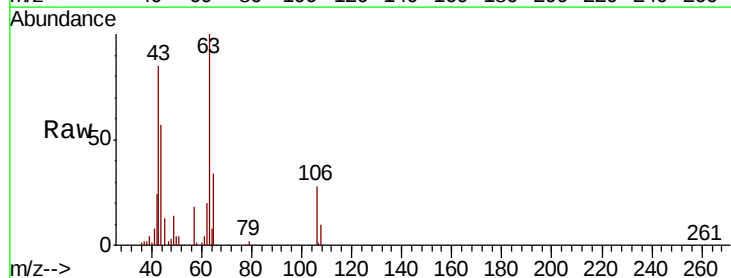
Instrument :
 MSVOA_D
 ClientSampleId :

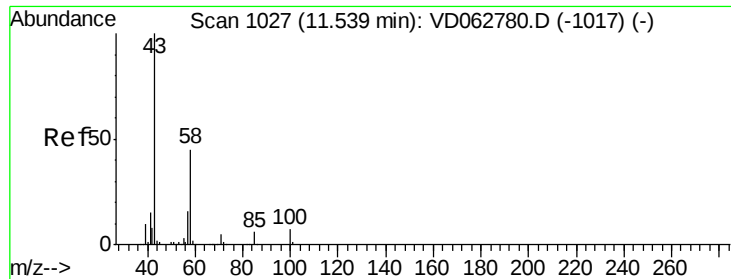
Tot Ion: 76 Resp: 132120
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.747 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 63 Resp: 287882
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.1 33.1

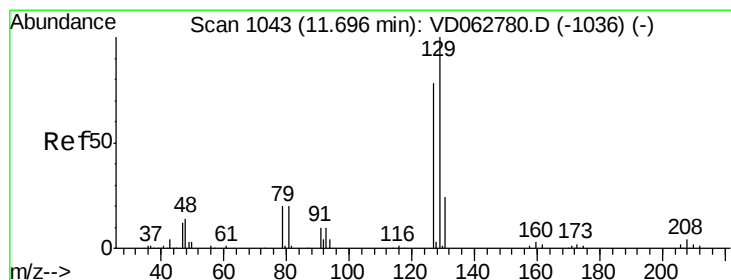
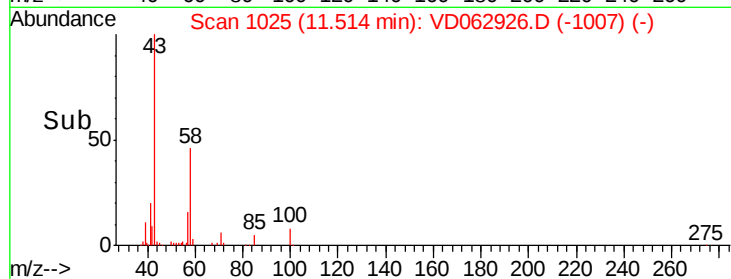
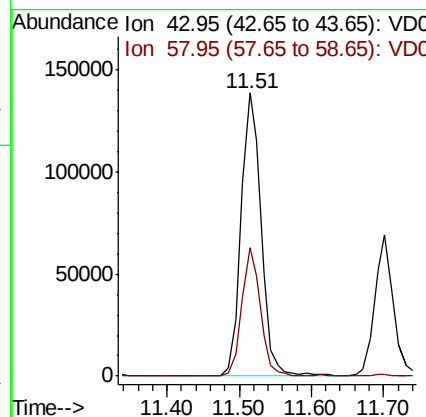
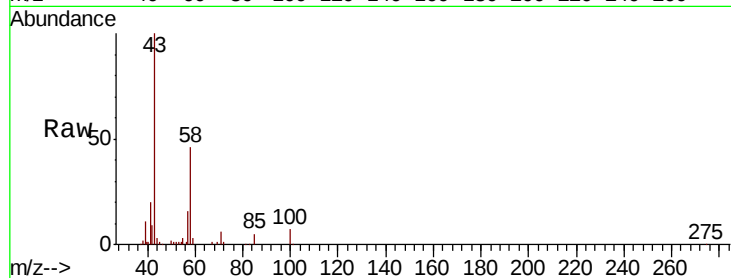




#59
2-Hexanone
Concen: 90.314 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

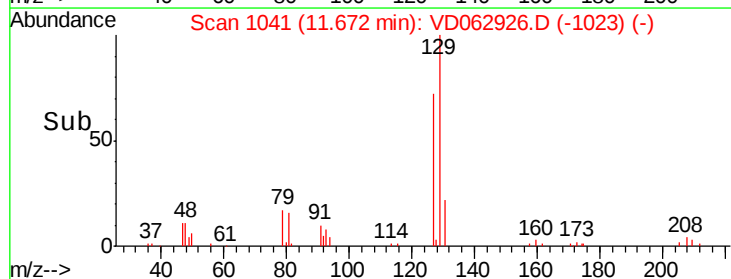
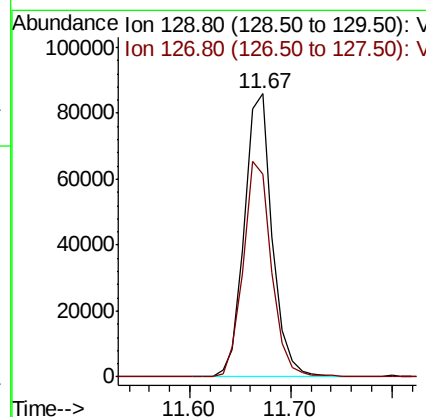
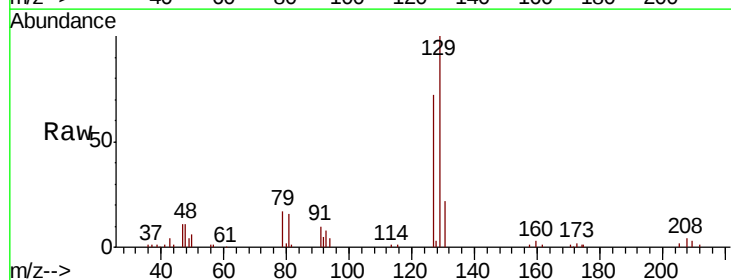
Instrument :
MSVOA_D
ClientSampleId :

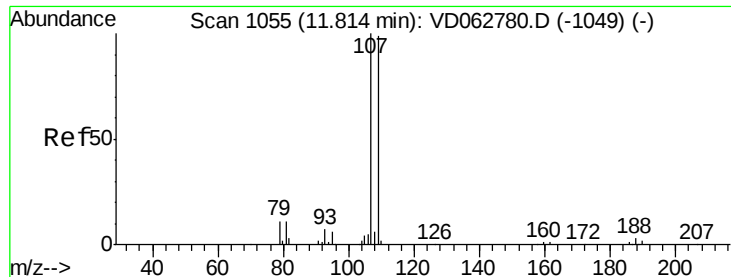
Tot Ion: 43 Resp: 271300
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2



#60
Dibromochloromethane
Concen: 16.931 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 129 Resp: 165895
Ion Ratio Lower Upper
129 100
127 71.7 38.9 116.6

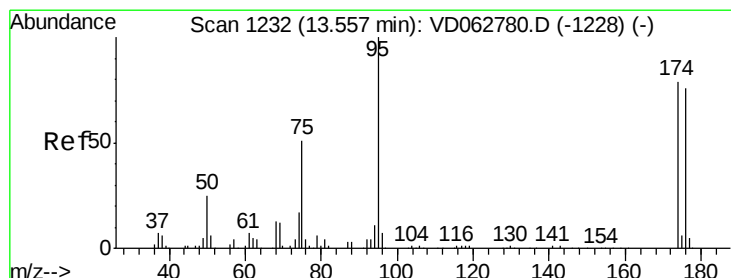
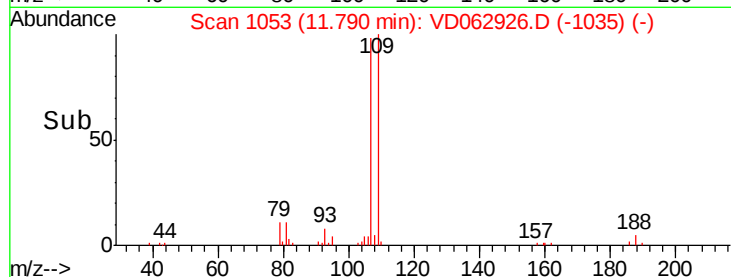
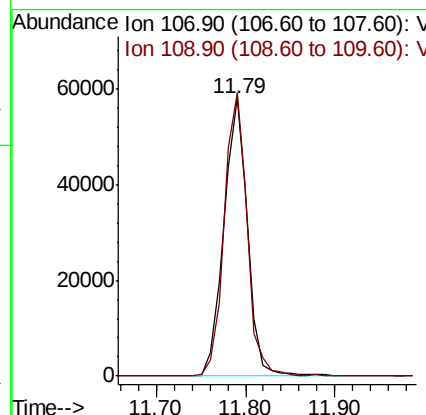
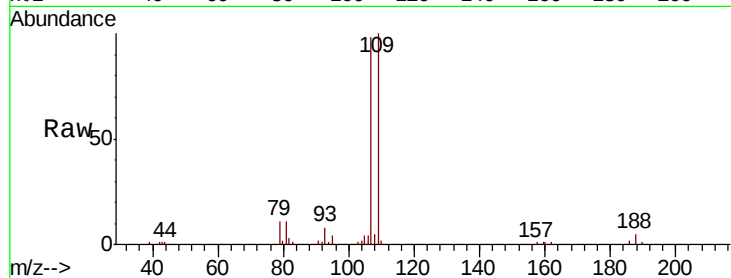




#61
 1,2-Dibromoethane
 Concen: 17.497 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

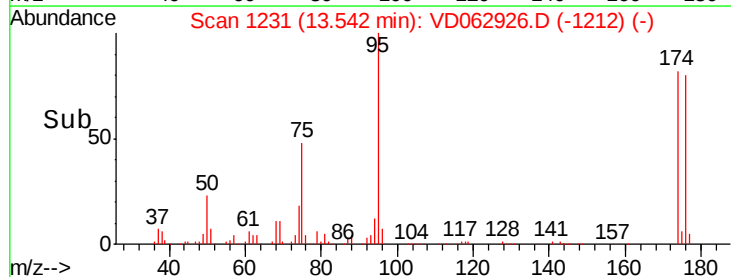
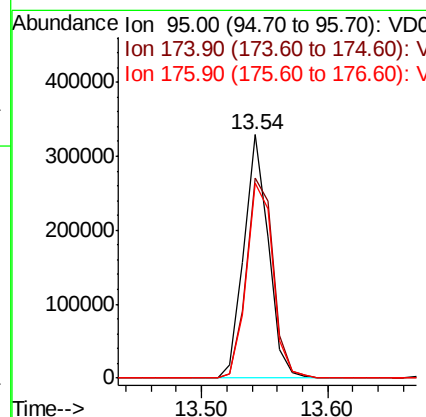
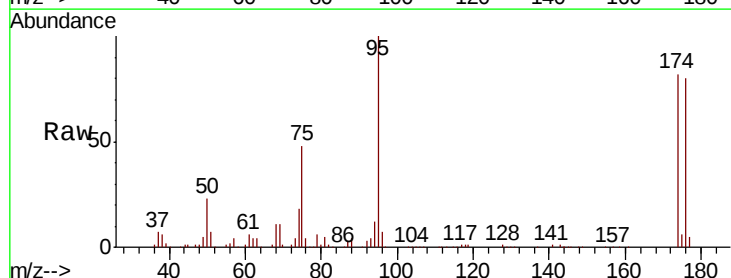
Instrument :
 MSVOA_D
 ClientSampleId :

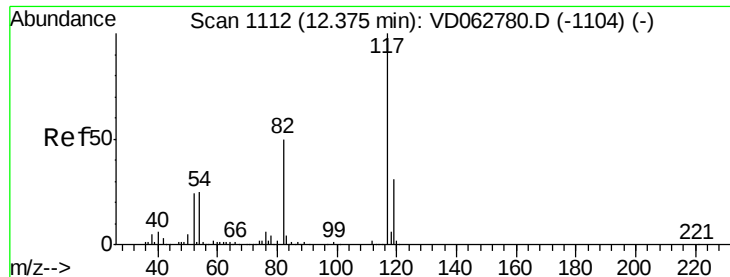
Tot Ion:107 Resp: 108705
 Ion Ratio Lower Upper
 107 100
 109 101.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 43.911 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 95 Resp: 439245
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 158.0
 176 80.0 0.0 151.6

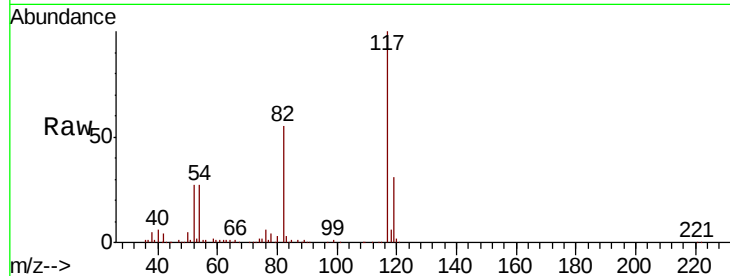




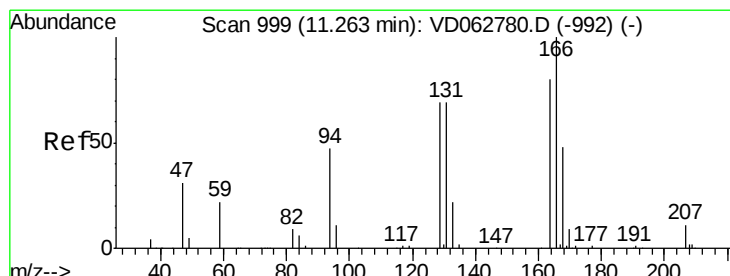
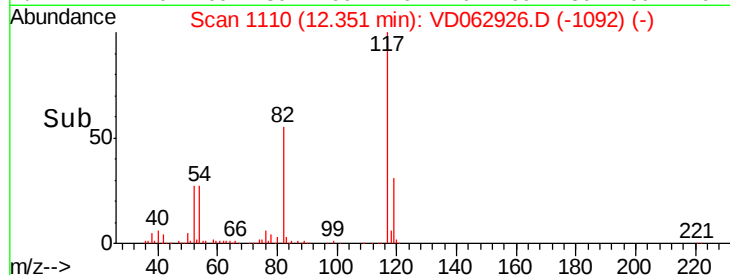
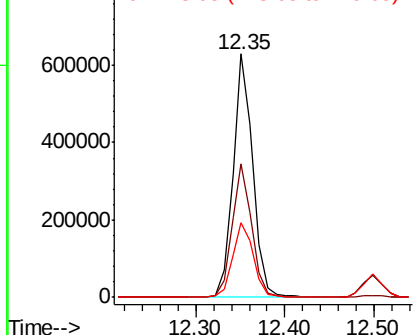
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 979492
Ion Ratio Lower Upper
117 100
82 55.0 40.4 60.6
119 30.8 25.2 37.8

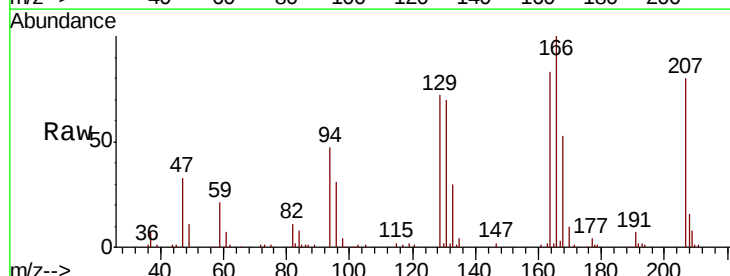


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

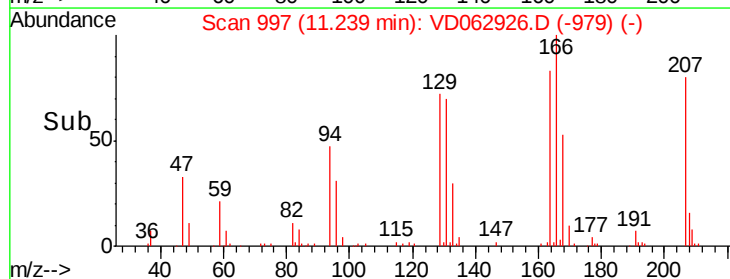
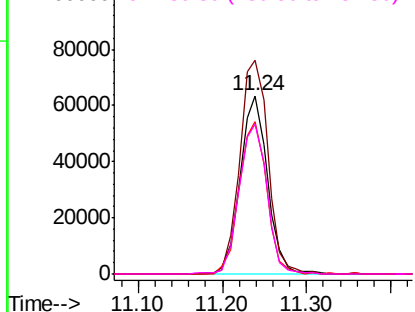


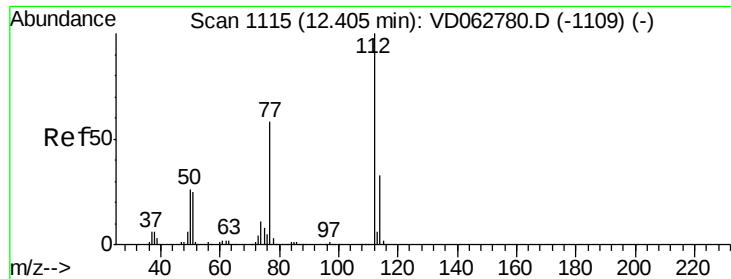
#64
Tetrachloroethene
Concen: 17.859 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:164 Resp: 143966
Ion Ratio Lower Upper
164 100
166 119.9 100.6 150.8
129 85.9 69.4 104.0
131 84.0 69.3 103.9



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

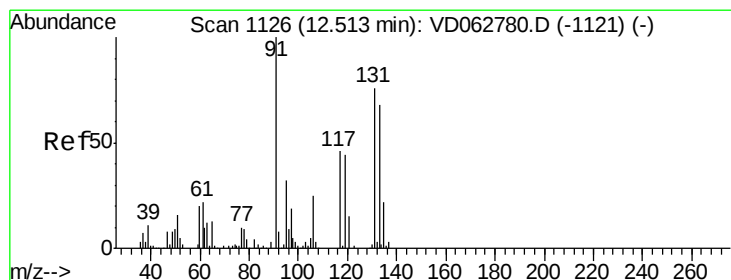
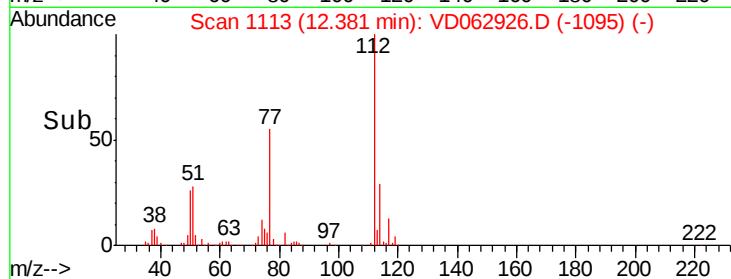
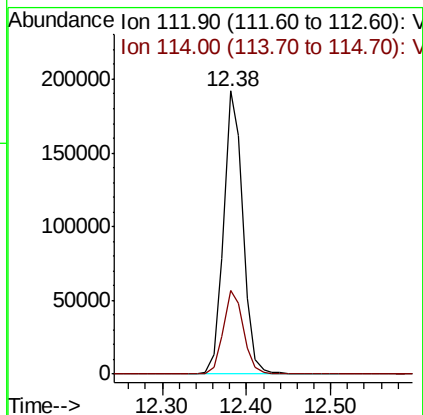
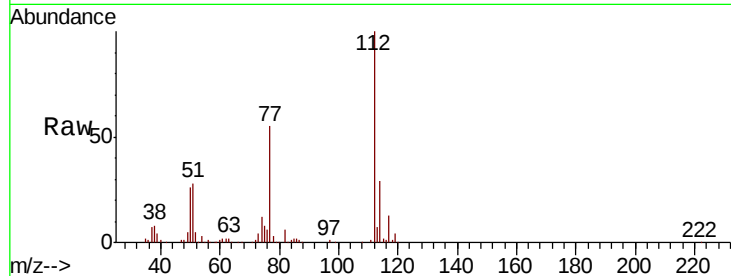




#65
Chlorobenzene
Concen: 16.777 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

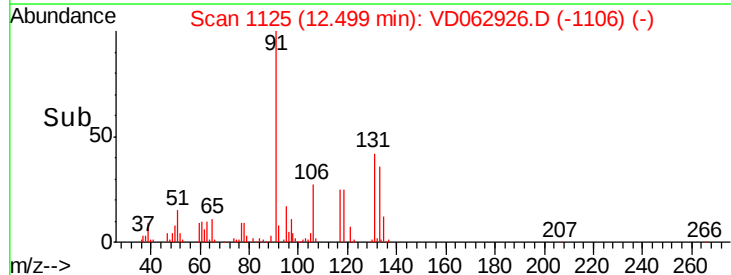
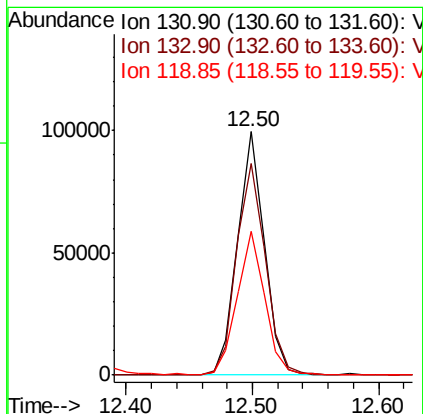
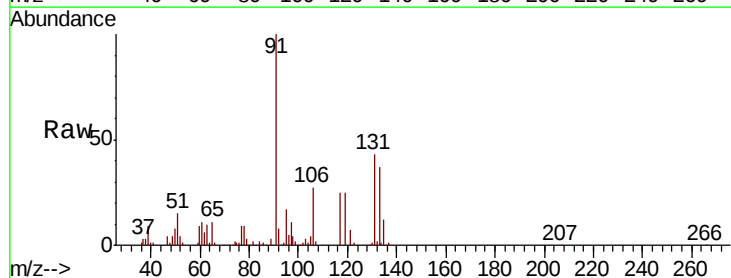
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 304969
Ion Ratio Lower Upper
112 100
114 29.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 17.243 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:131 Resp: 146584
Ion Ratio Lower Upper
131 100
133 86.8 44.5 133.3
119 59.3 28.6 85.9

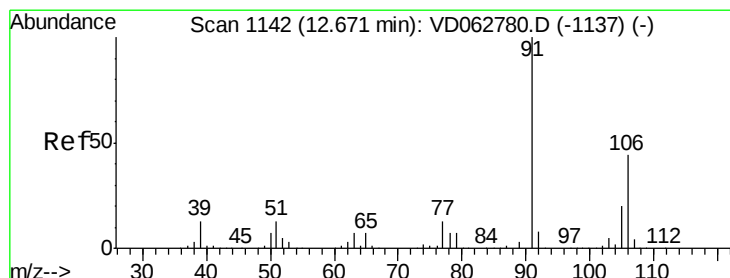
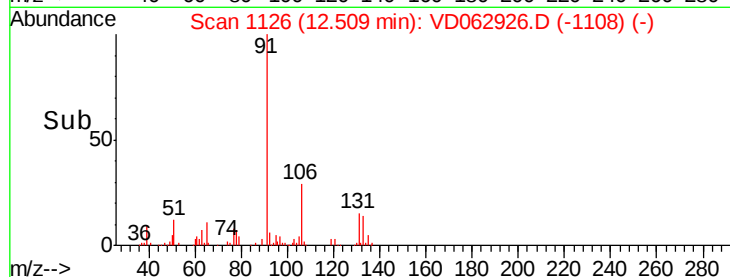
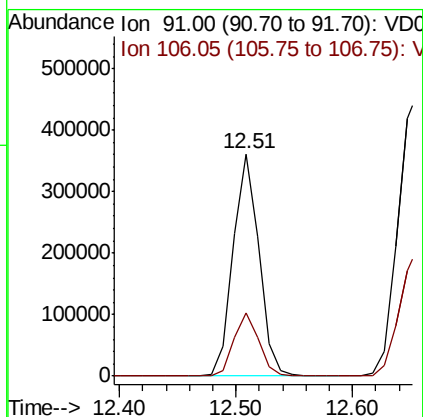
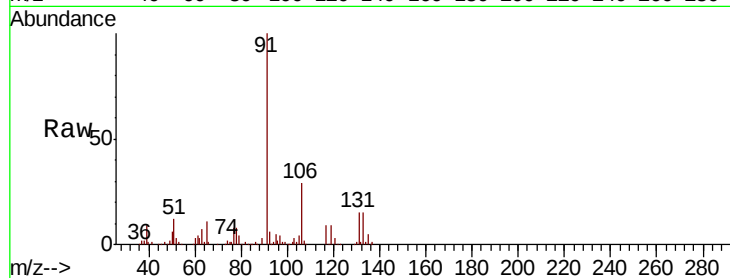




#67
Ethyl Benzene
Concen: 17.053 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

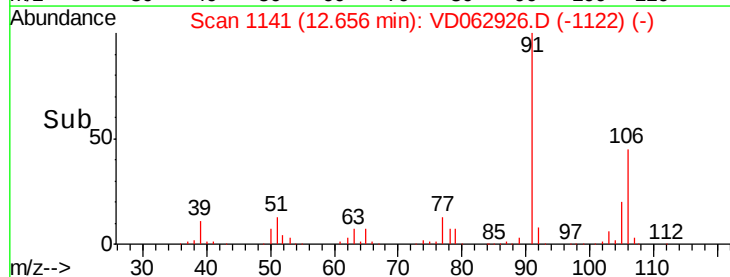
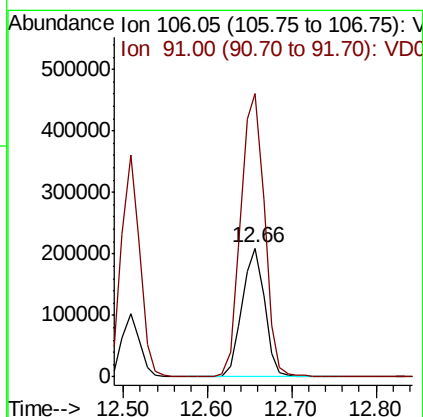
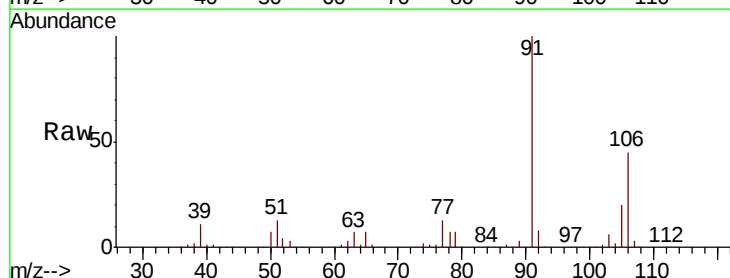
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 556553
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 34.600 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 106 Resp: 393301
Ion Ratio Lower Upper
106 100
91 219.9 183.0 274.6

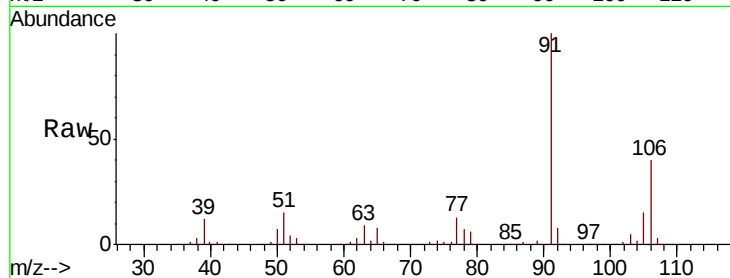




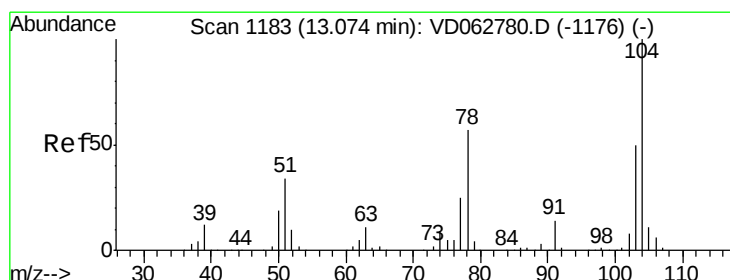
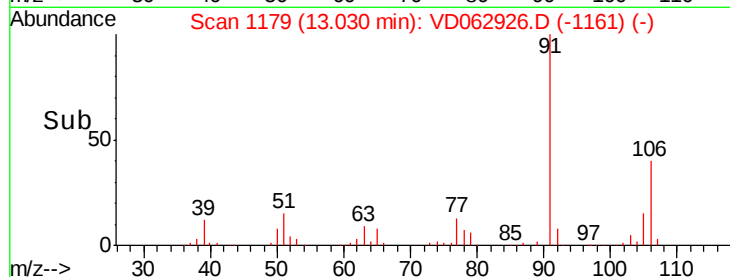
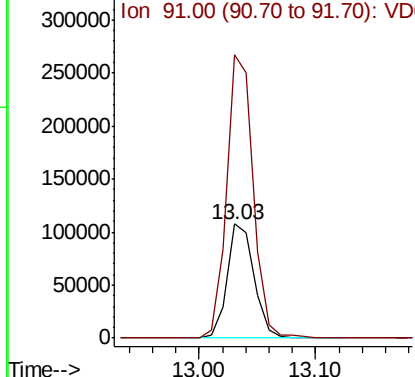
#69
o-Xylene
Concen: 16.570 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 172182
Ion Ratio Lower Upper
106 100
91 247.6 117.9 353.6

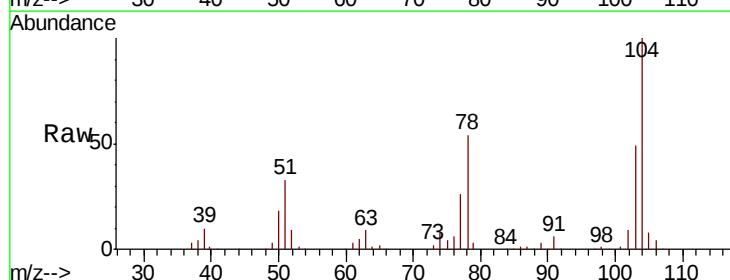


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

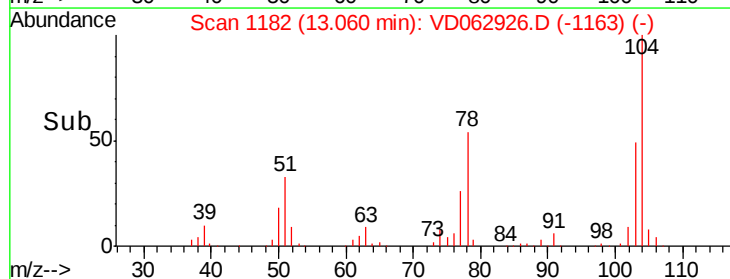
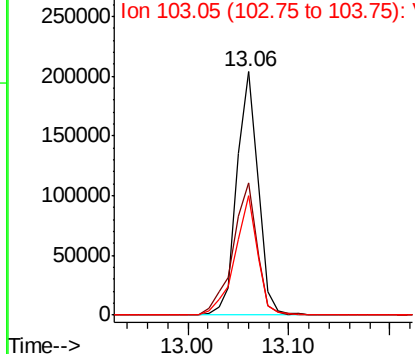


#70
Styrene
Concen: 16.244 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:104 Resp: 296489
Ion Ratio Lower Upper
104 100
78 54.3 45.4 68.2
103 49.3 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

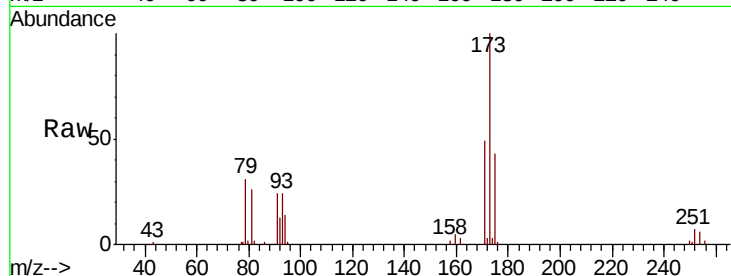




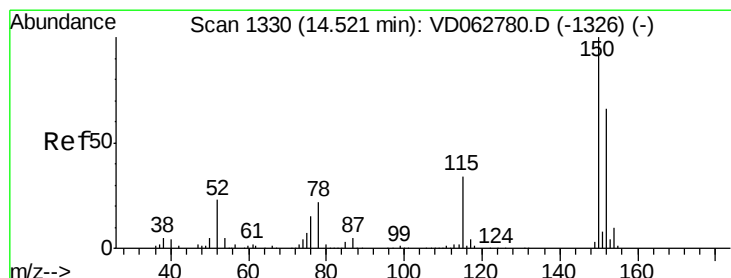
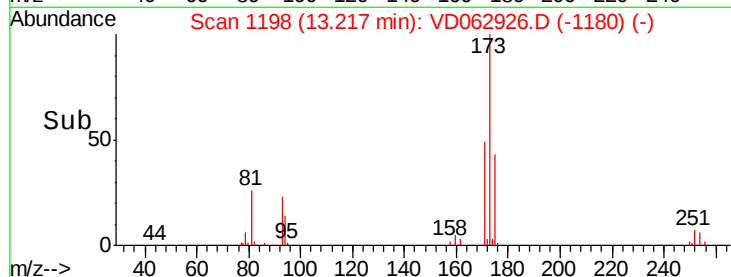
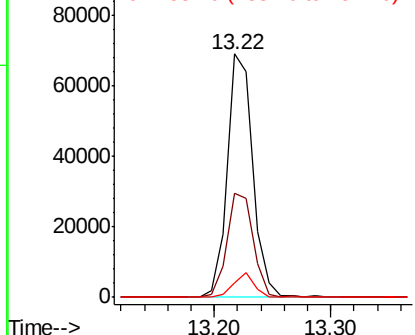
#71
Bromoform
Concen: 17.986 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 104758
Ion Ratio Lower Upper
173 100
175 42.6 25.3 75.9
254 5.8 7.1 10.7#

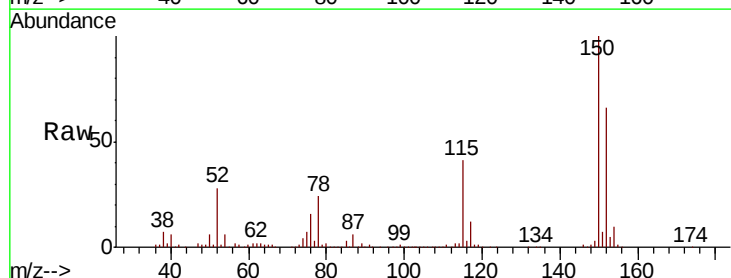


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

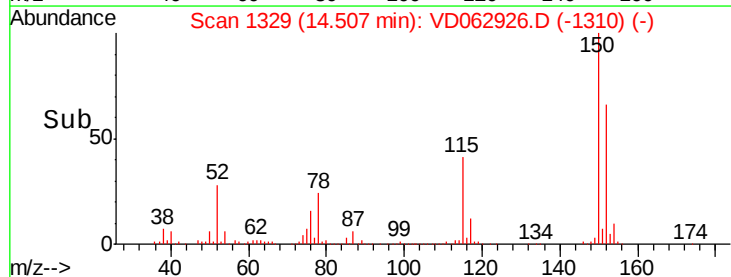
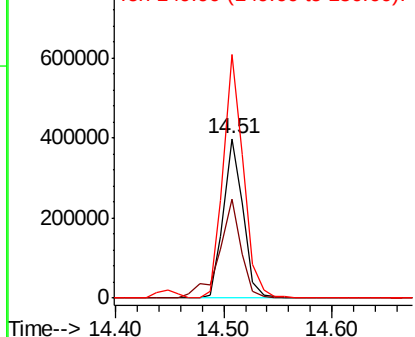


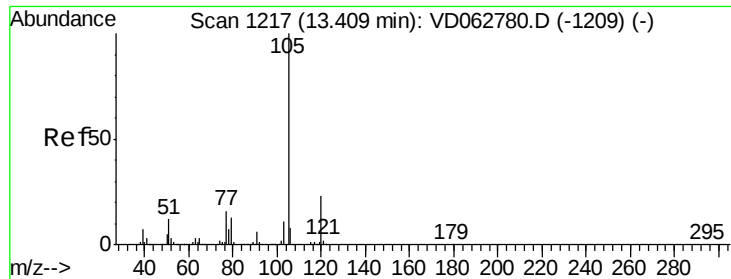
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:152 Resp: 501711
Ion Ratio Lower Upper
152 100
115 62.4 29.2 87.6
150 152.6 0.0 305.8



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





#73

Isopropylbenzene

Concen: 17.605 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

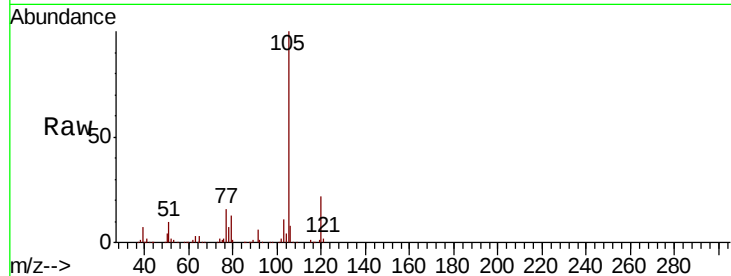
ClientSampleId :

Tot Ion:105 Resp: 566315

Ion Ratio Lower Upper

105 100

120 21.7 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

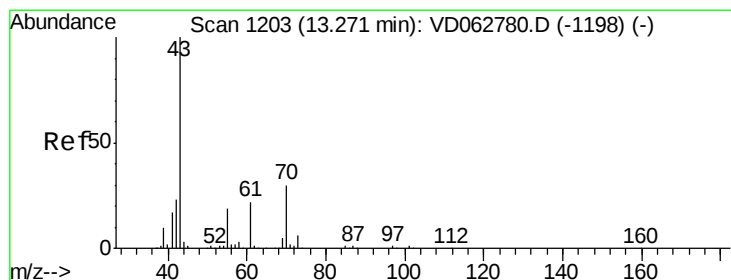
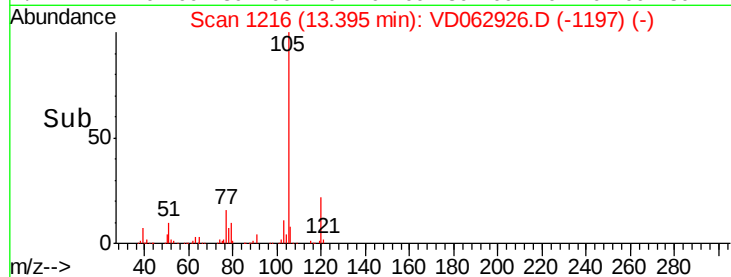
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.700 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Tgt Ion: 43 Resp: 146088

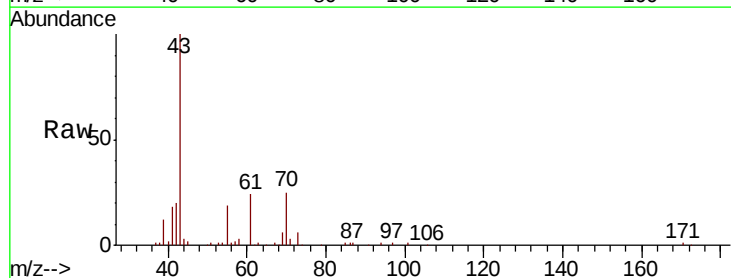
Ion Ratio Lower Upper

43 100

70 24.5 24.4 36.6

55 18.8 15.2 22.8

61 23.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.26

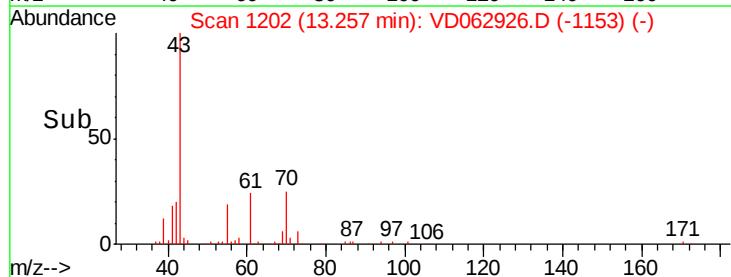
150000

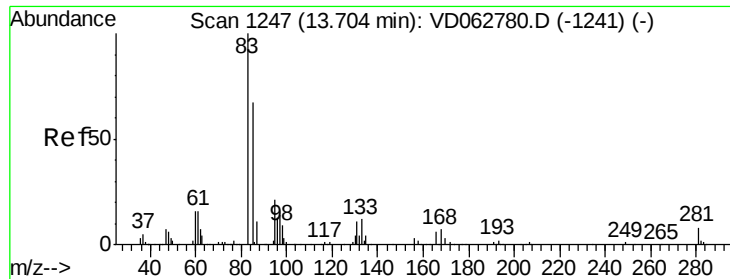
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.619 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

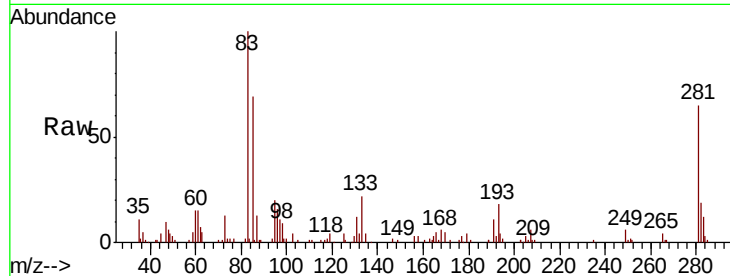
Tot Ion: 83 Resp: 102830

Ion Ratio Lower Upper

83 100

131 12.5 5.3 16.1

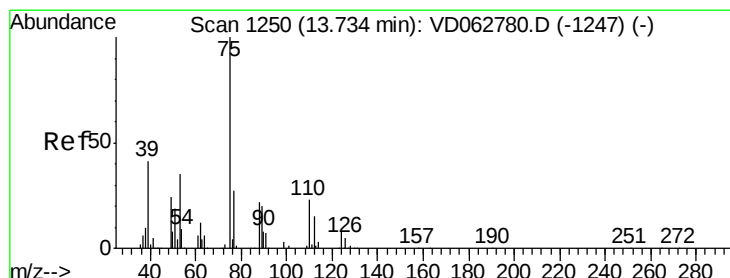
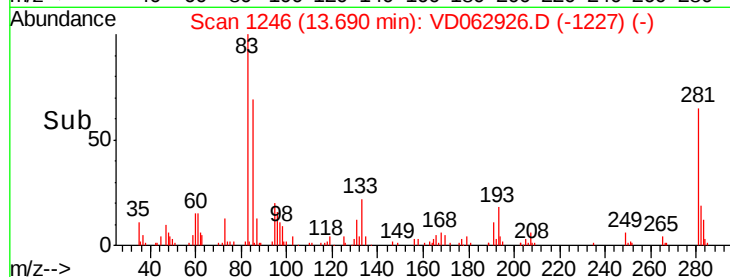
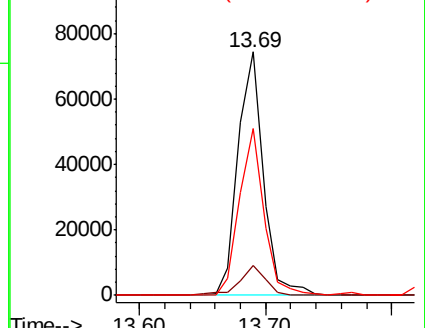
85 68.7 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.973 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062926.D

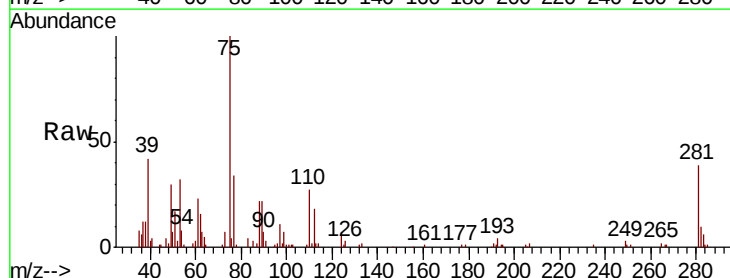
Acq: 27 Jun 2019 12:47

Tgt Ion: 75 Resp: 104100

Ion Ratio Lower Upper

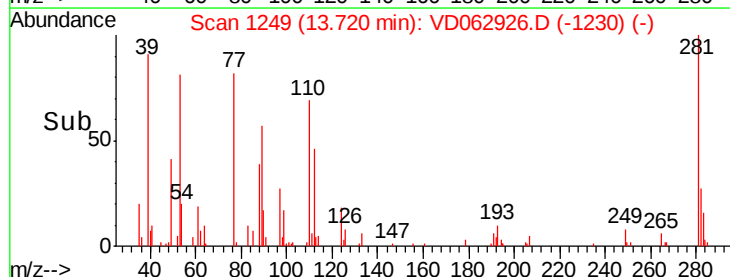
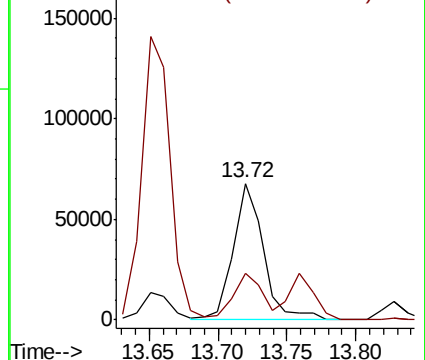
75 100

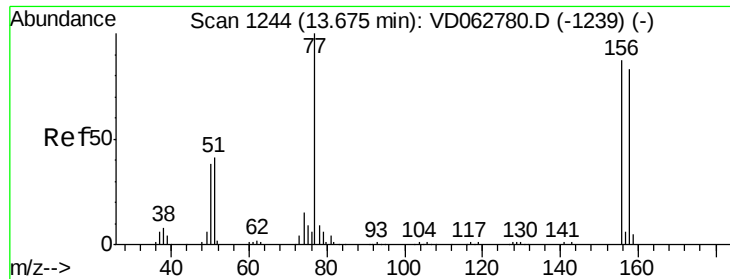
77 33.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

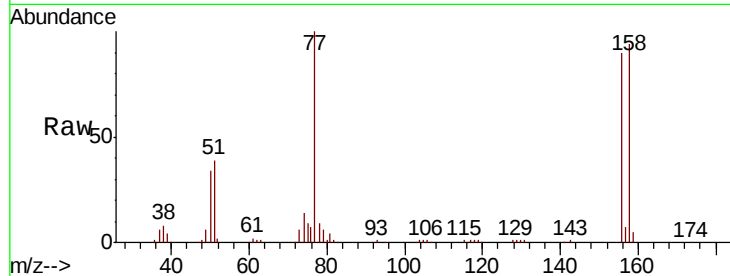




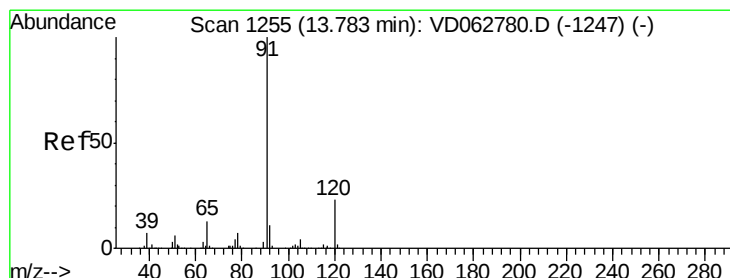
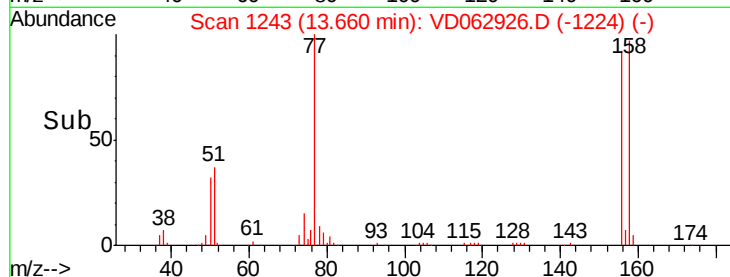
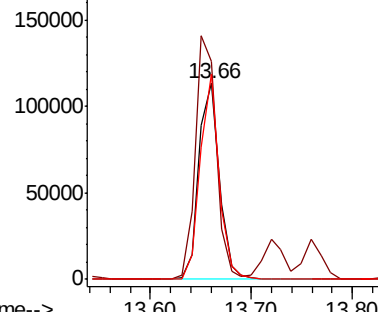
#77
Bromobenzene
Concen: 18.603 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 160966
Ion Ratio Lower Upper
156 100
77 111.1 57.7 173.1
158 104.9 47.7 143.1

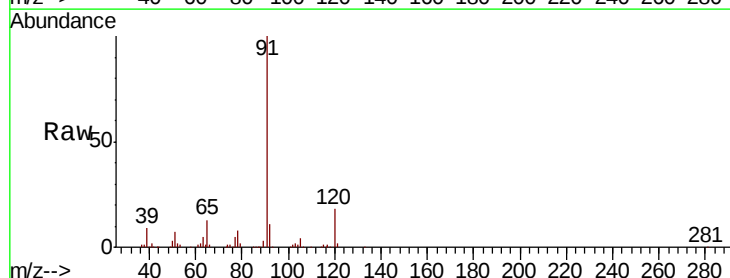


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

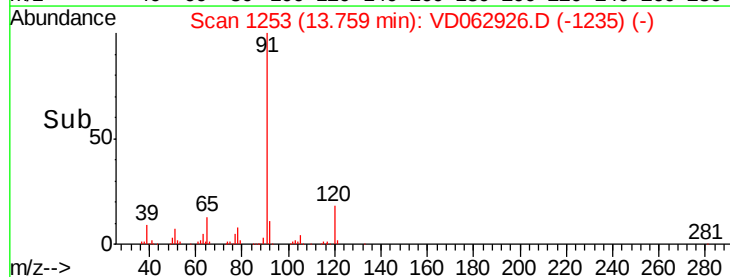
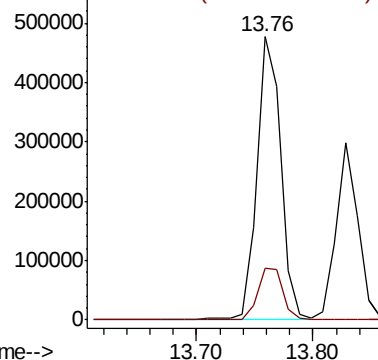


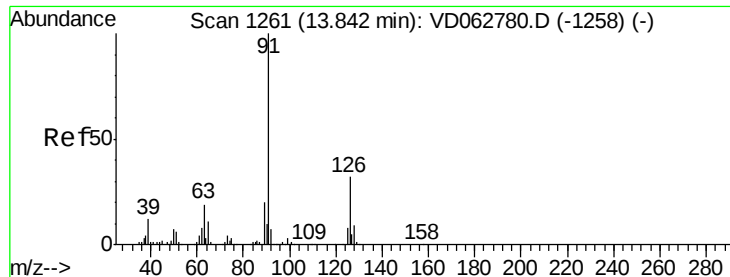
#78
n-propylbenzene
Concen: 17.927 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion: 91 Resp: 671211
Ion Ratio Lower Upper
91 100
120 18.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.125 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

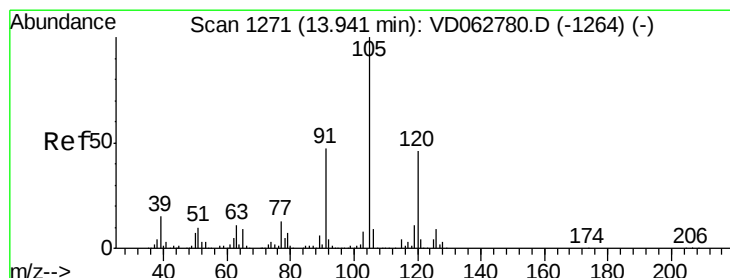
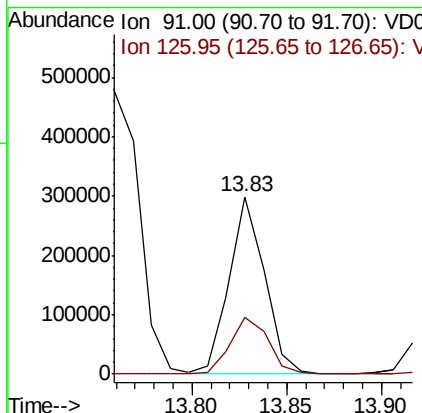
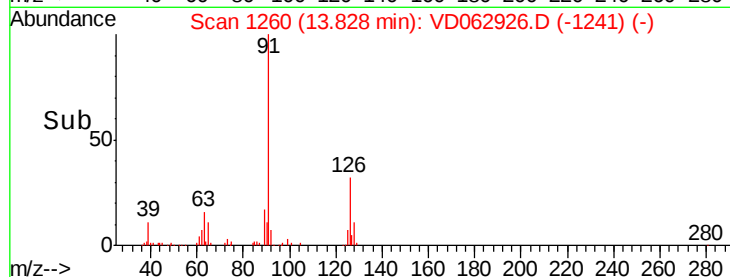
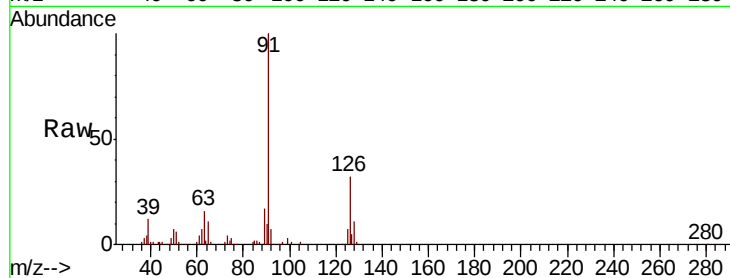
ClientSampled :

Tot Ion: 91 Resp: 387824

Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 17.636 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062926.D

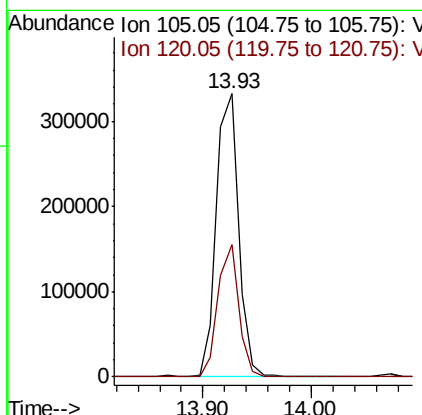
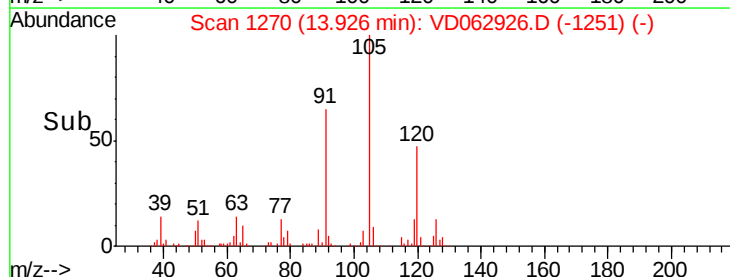
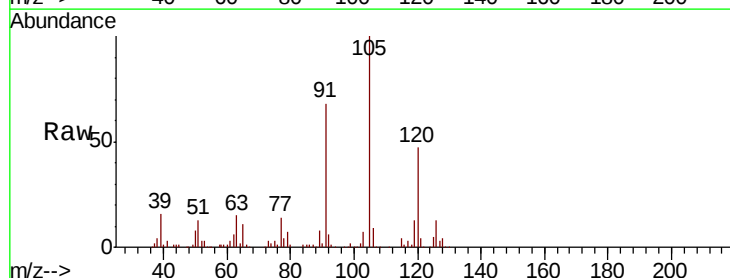
Acq: 27 Jun 2019 12:47

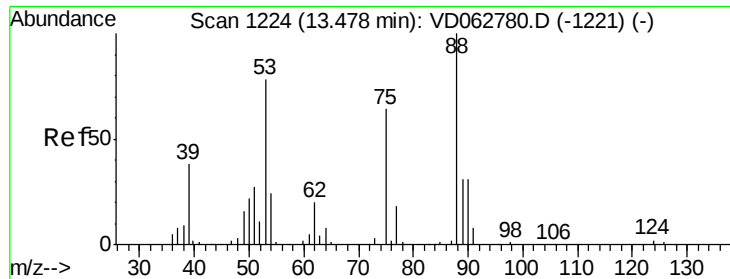
Tgt Ion: 105 Resp: 476539

Ion Ratio Lower Upper

105 100

120 46.9 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.825 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

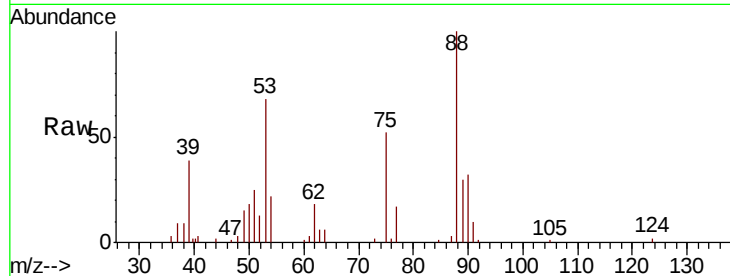
Tot Ion: 75 Resp: 27057

Ion Ratio Lower Upper

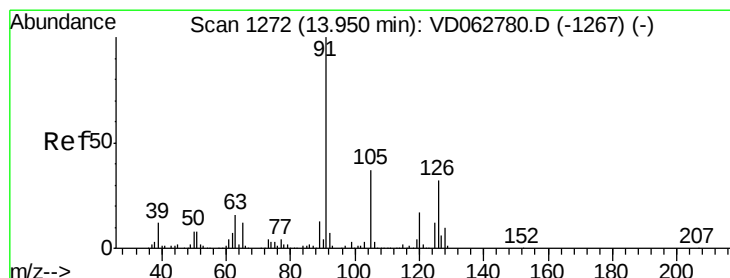
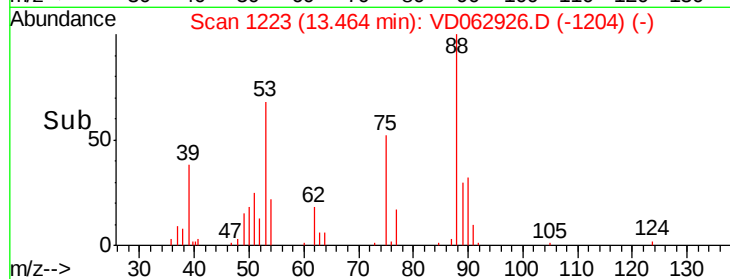
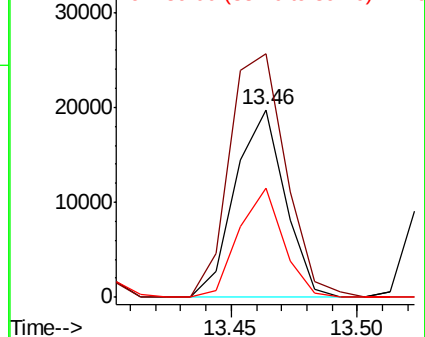
75 100

53 130.0 97.8 146.8

89 58.1 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: 18.418 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062926.D

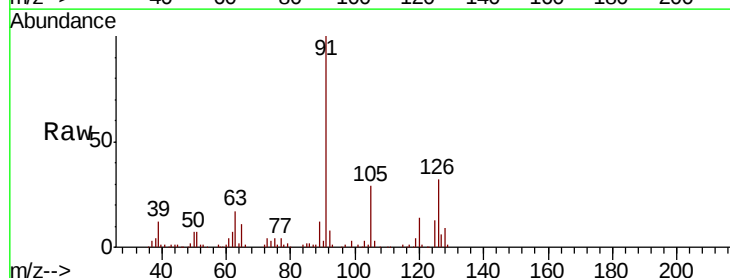
Acq: 27 Jun 2019 12:47

Tgt Ion: 91 Resp: 474440

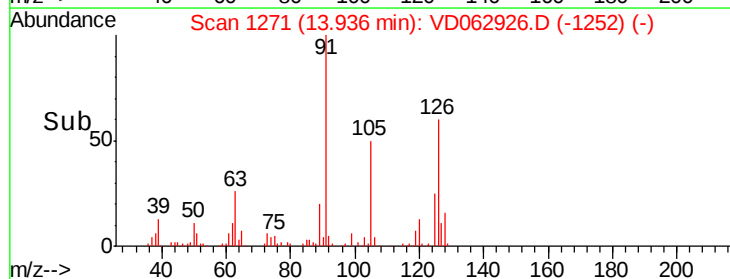
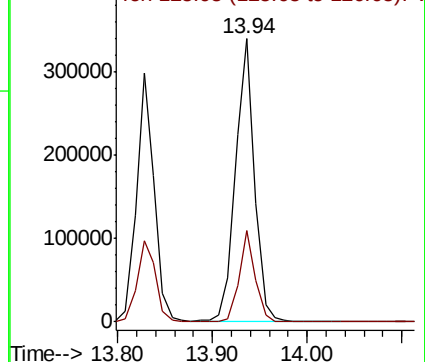
Ion Ratio Lower Upper

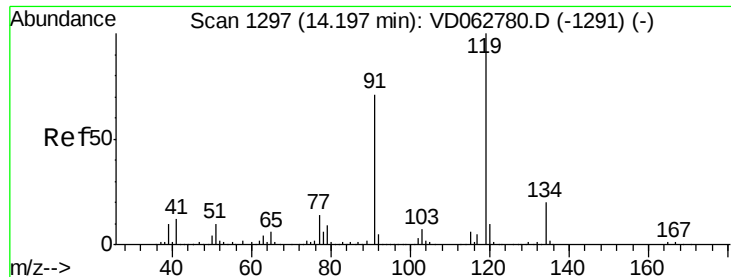
91 100

126 32.3 16.0 47.9



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

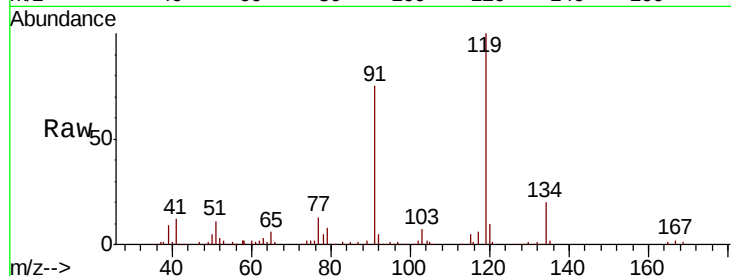




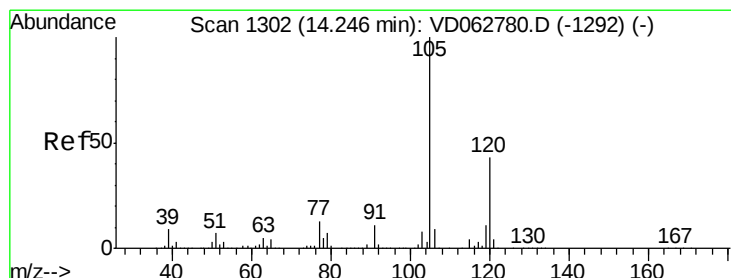
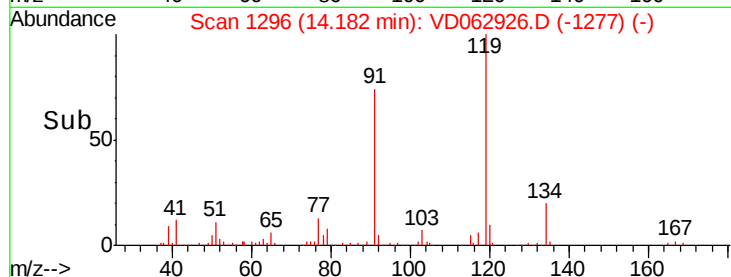
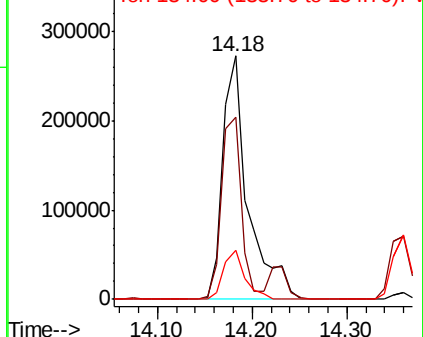
#83
tert-Butylbenzene
Concen: 16.759 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 504750
Ion Ratio Lower Upper
119 100
91 74.6 35.5 106.5
134 20.1 10.2 30.6

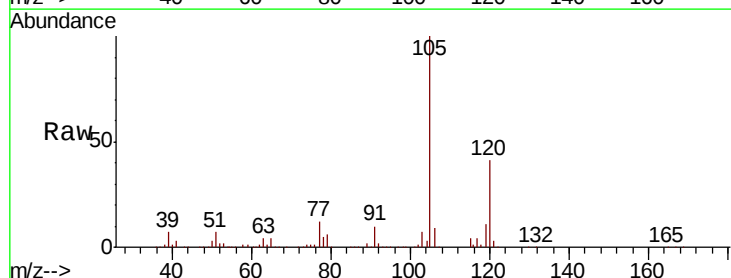


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

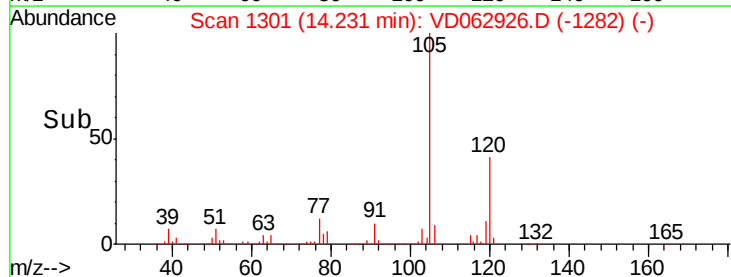
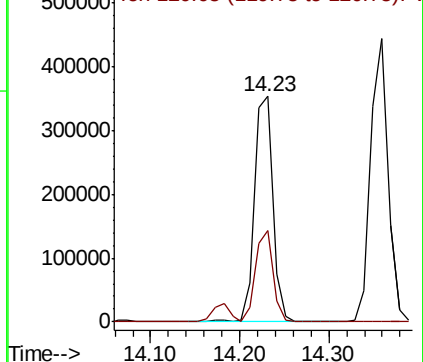


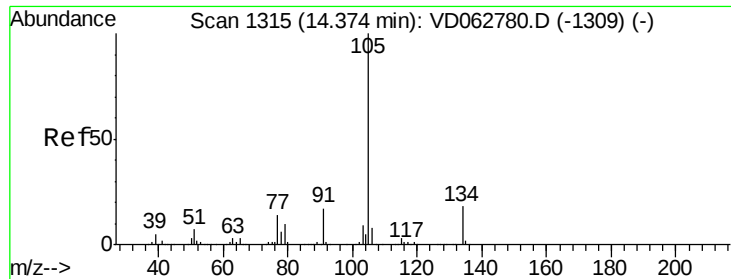
#84
1,2,4-Trimethylbenzene
Concen: 18.095 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:105 Resp: 501136
Ion Ratio Lower Upper
105 100
120 40.8 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: 18.241 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

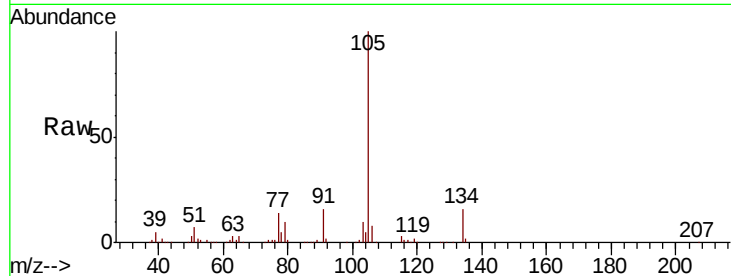
ClientSampleId :

Tot Ion:105 Resp: 597104

Ion Ratio Lower Upper

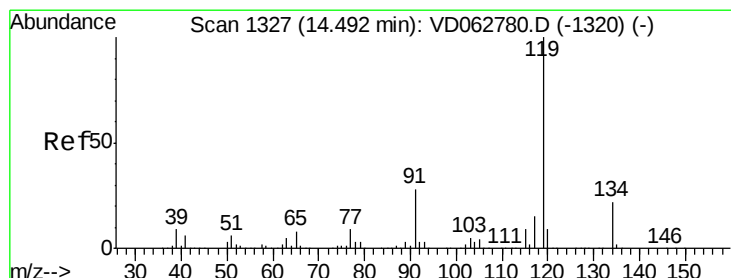
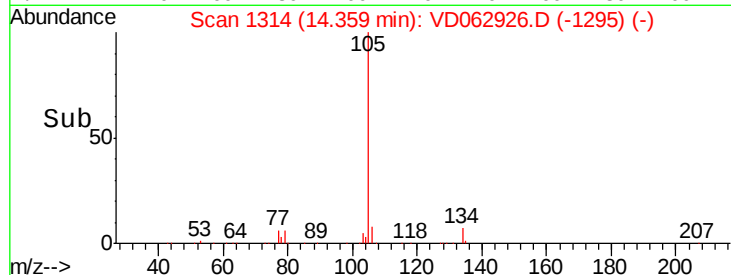
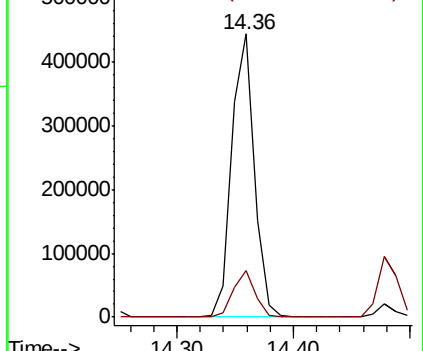
105 100

134 16.4 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 17.605 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

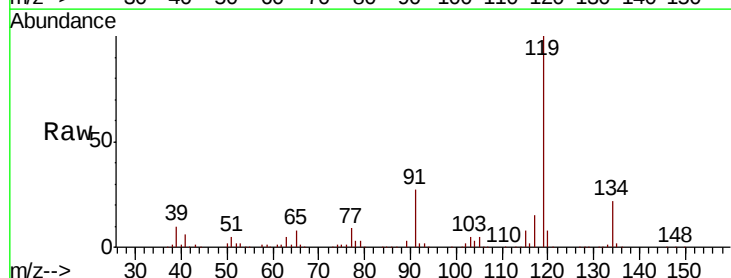
Tgt Ion:119 Resp: 527216

Ion Ratio Lower Upper

119 100

134 21.6 11.1 33.1

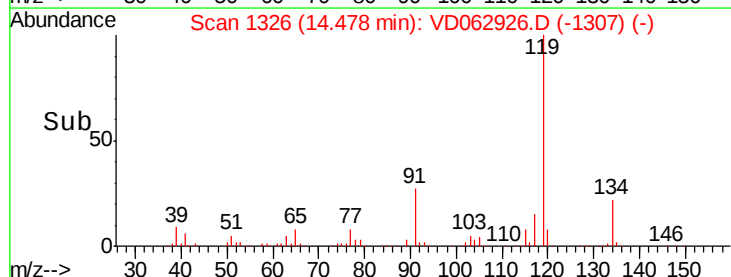
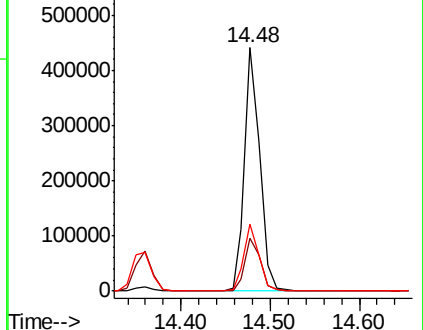
91 27.3 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

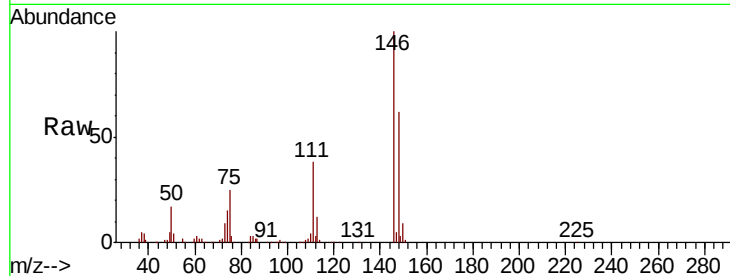




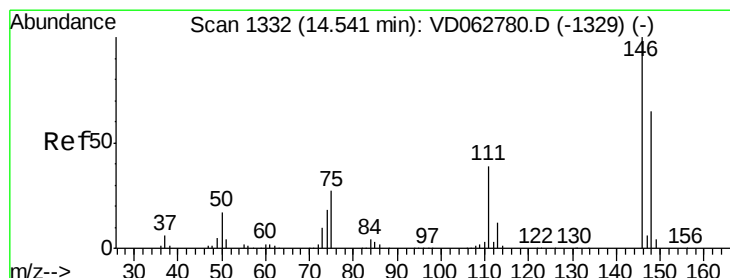
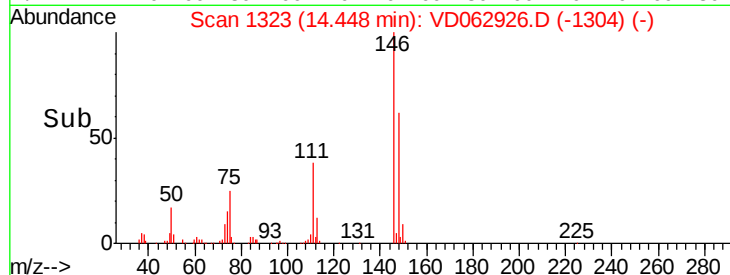
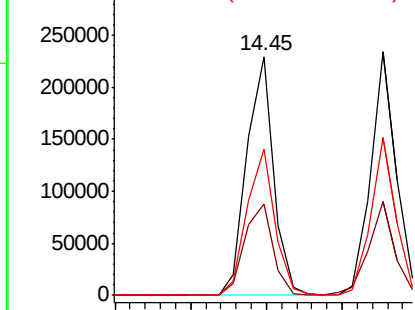
#87
 1,3-Dichlorobenzene
 Concen: 18.369 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 284914
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 61.5 30.8 92.3

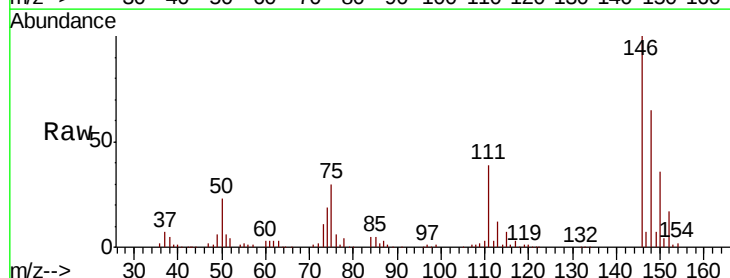


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

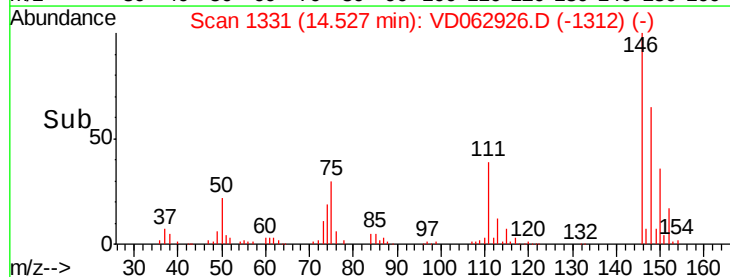
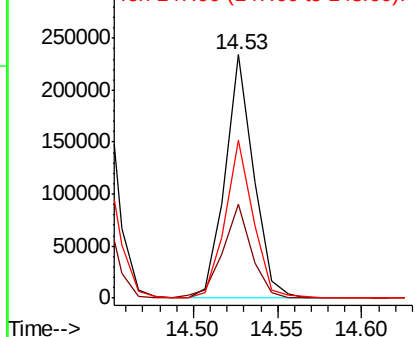


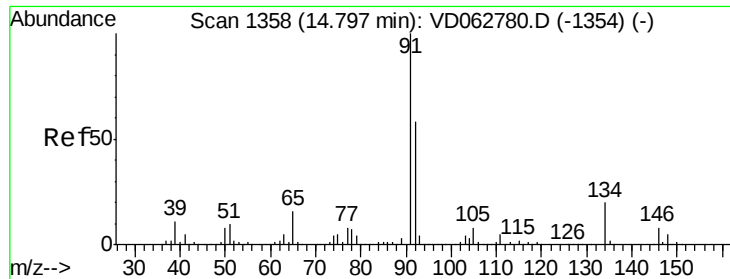
#88
 1,4-Dichlorobenzene
 Concen: 17.679 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion:146 Resp: 275411
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.1
 148 64.9 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: 18.458 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062926.D

Acq: 27 Jun 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

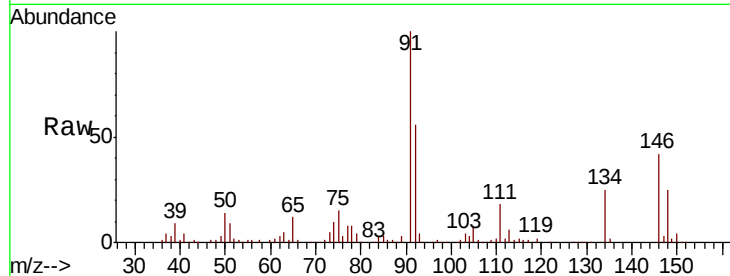
Tot Ion: 91 Resp: 517368

Ion Ratio Lower Upper

91 100

92 56.3 28.9 86.7

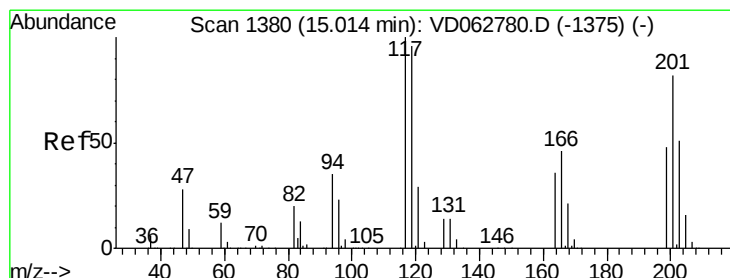
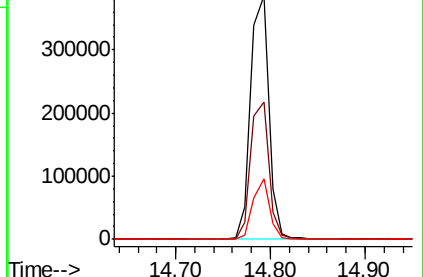
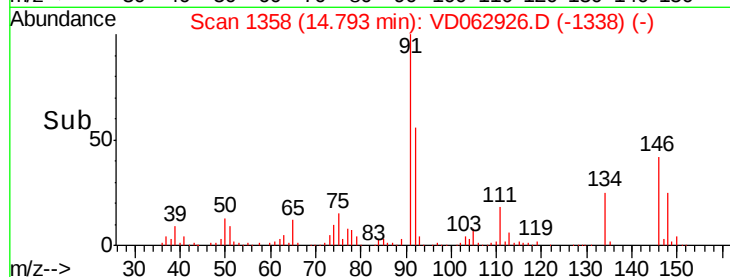
134 24.8 10.1 30.3



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



#90

Hexachloroethane

Concen: 16.919 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062926.D

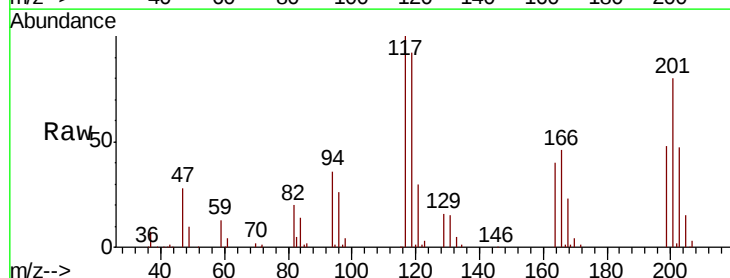
Acq: 27 Jun 2019 12:47

Tgt Ion: 117 Resp: 136230

Ion Ratio Lower Upper

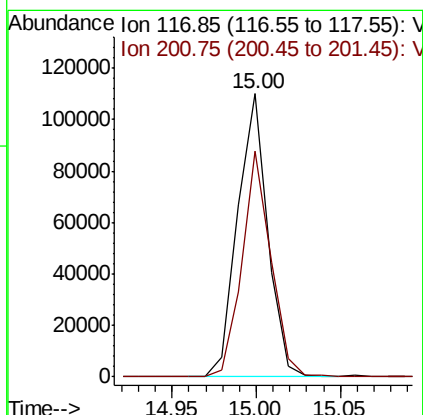
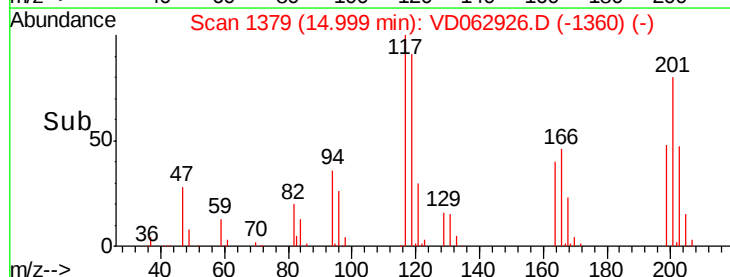
117 100

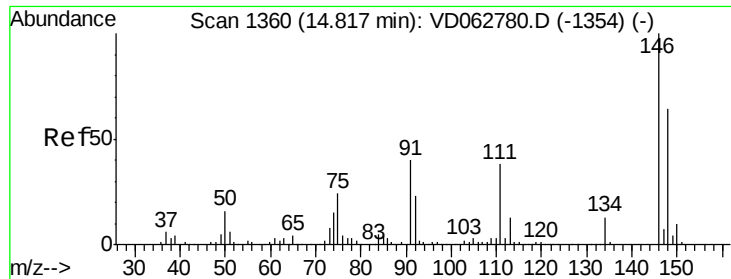
201 79.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

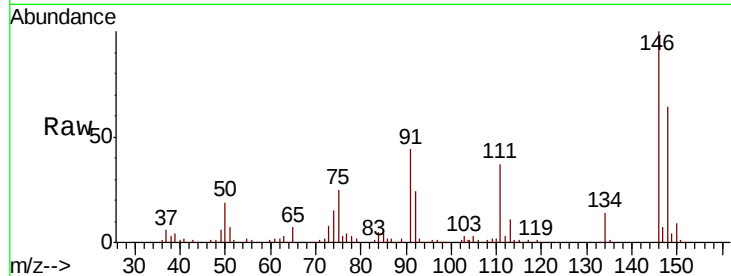




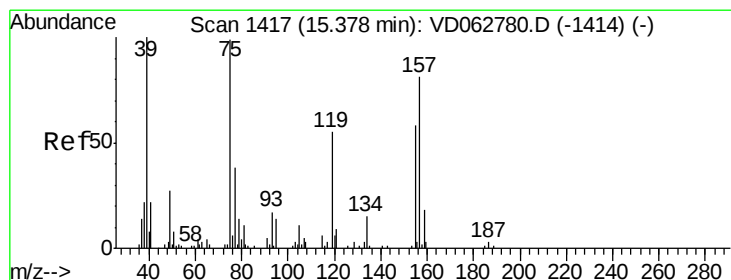
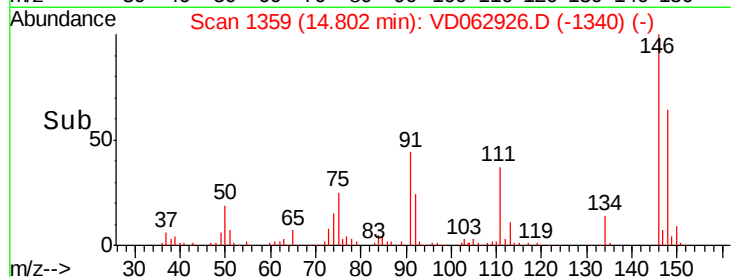
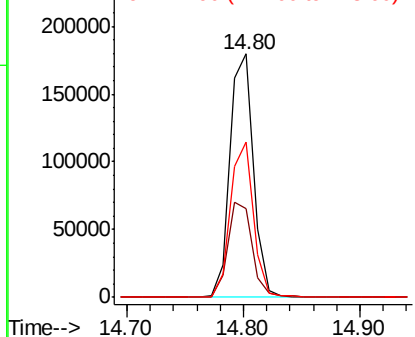
#91
 1,2-Dichlorobenzene
 Concen: 18.891 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 250693
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.1 57.1
 148 63.7 32.3 96.8

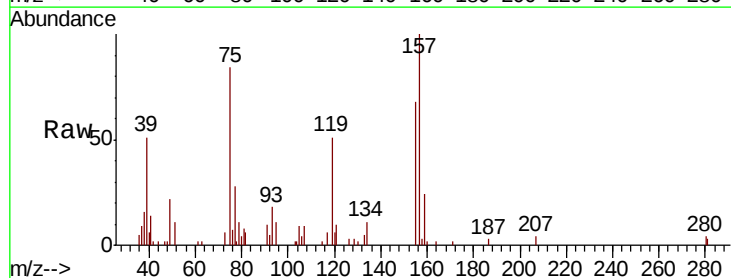


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

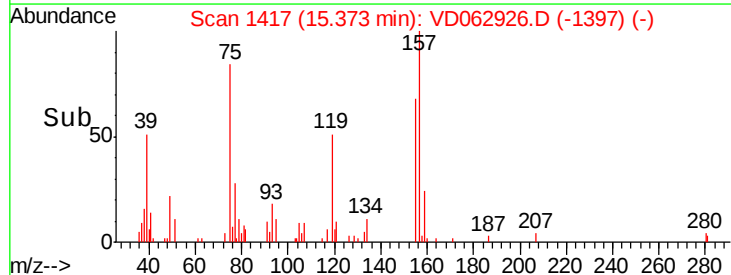
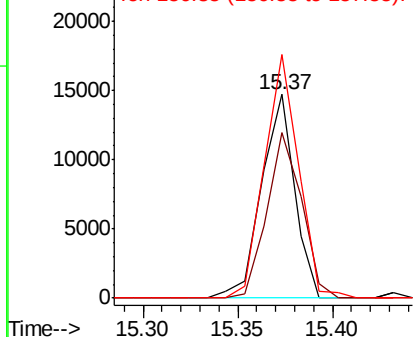


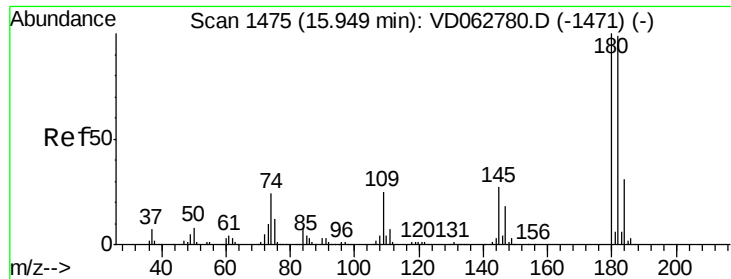
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.434 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion: 75 Resp: 17835
 Ion Ratio Lower Upper
 75 100
 155 81.7 29.3 87.8
 157 119.7 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

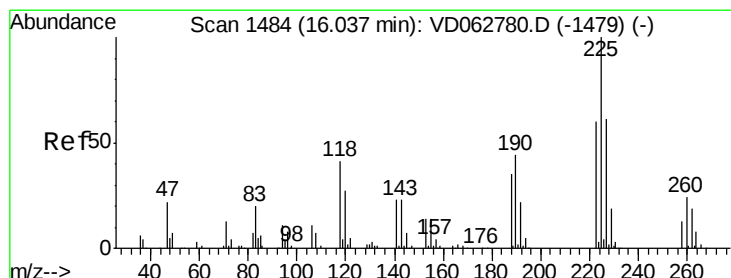
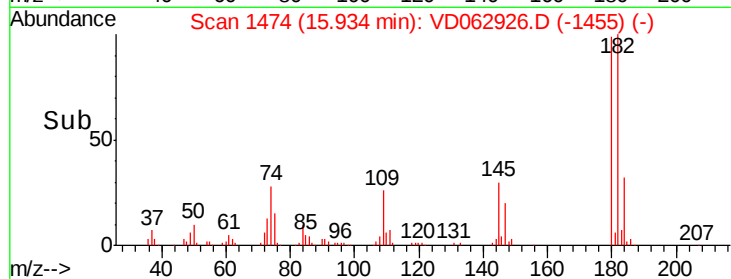
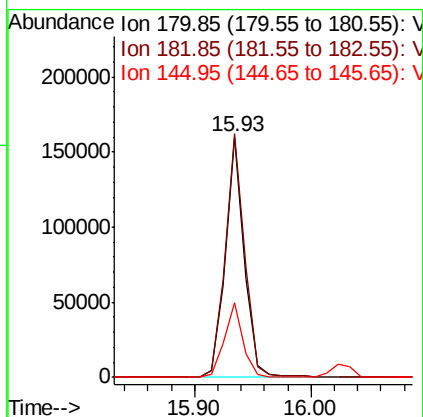
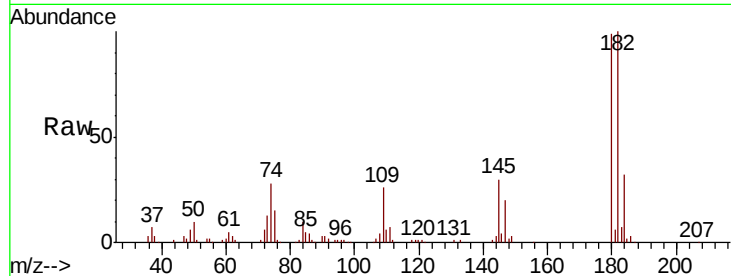




#93
 1,2,4-Trichlorobenzene
 Concen: 17.373 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

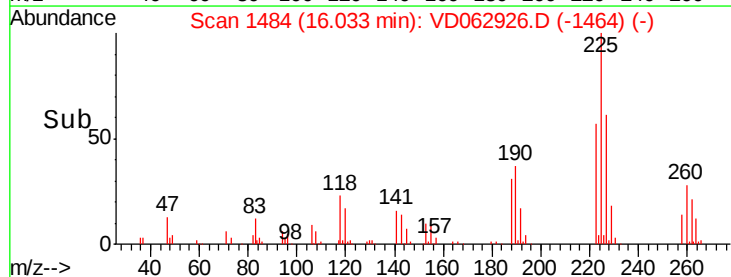
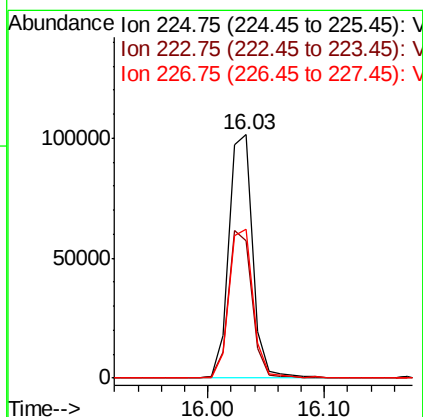
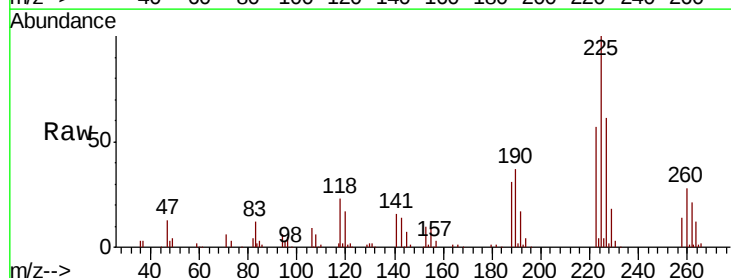
Instrument :
 MSVOA_D
 ClientSampleId :

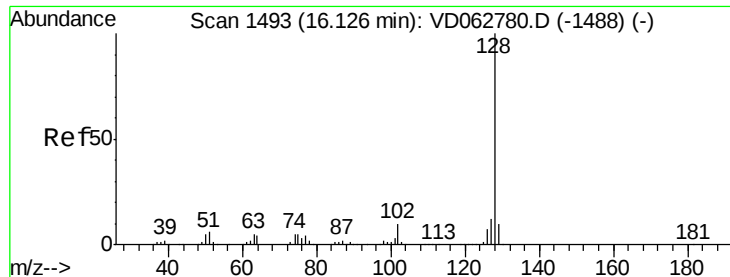
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	49.5	148.5
145	30.9	13.7	41.0



#94
 Hexachlorobutadiene
 Concen: 18.178 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062926.D
 Acq: 27 Jun 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.5	29.8	89.5
227	60.9	30.6	91.6

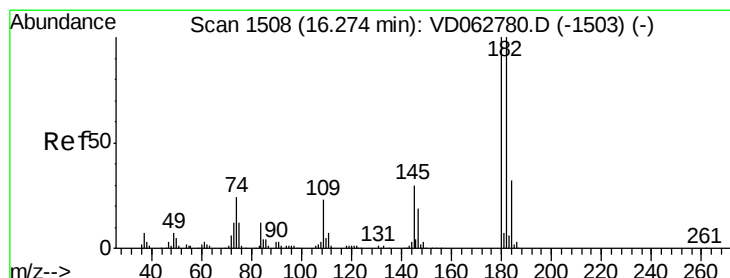
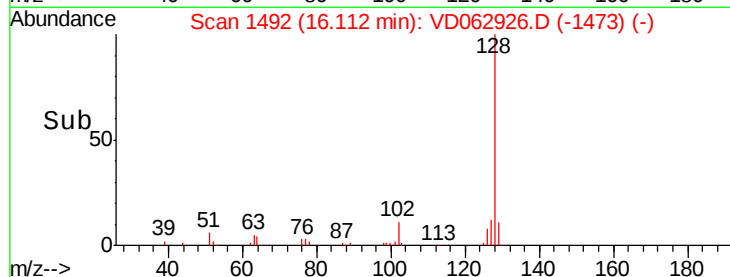
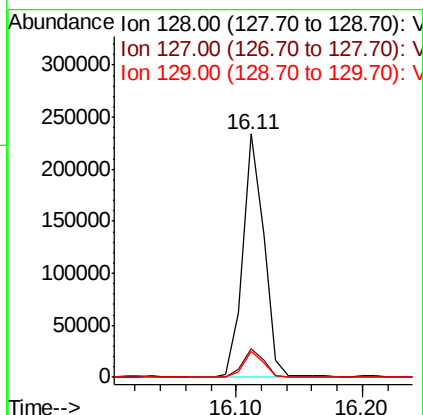
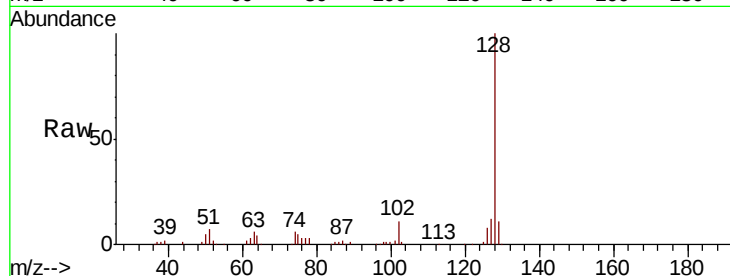




#95
Naphthalene
Concen: 18.661 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 271133
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 10.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.754 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062926.D
Acq: 27 Jun 2019 12:47

Tgt Ion:180 Resp: 157338
Ion Ratio Lower Upper
180 100
182 97.7 49.9 149.6
145 29.1 15.2 45.5

