

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062873.D
 Acq On : 25 Jun 2019 12:31
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Quant Time: Jun 26 05:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	842791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1182518	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	948807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	544087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	556391	60.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.46%	
35) Dibromofluoromethane	6.93	113	557619	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
50) Toluene-d8	10.42	98	1289835	59.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.88%	
62) 4-Bromofluorobenzene	13.56	95	551548	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	266720	24.456	ug/l	97
3) Chloromethane	1.74	50	189475	23.101	ug/l	90
4) Vinyl Chloride	1.84	62	187970	23.114	ug/l	98
5) Bromomethane	2.15	94	61408	16.124	ug/l	96
6) Chloroethane	2.26	64	80171	21.775	ug/l	89
7) Trichlorofluoromethane	2.52	101	381069	23.154	ug/l	99
8) Diethyl Ether	2.87	74	48419	23.155	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	192757	21.619	ug/l #	84
10) Methyl Iodide	3.30	142	234322	19.920	ug/l	95
11) Tert butyl alcohol	4.10	59	48817	117.001	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	138065	20.642	ug/l	89
13) Acrolein	3.03	56	41727	97.963	ug/l	93
14) Allyl chloride	3.62	41	231303	23.404	ug/l	88
15) Acrylonitrile	4.20	53	124250	126.735	ug/l	86
16) Acetone	3.22	43	226821	118.411	ug/l	97
17) Carbon Disulfide	3.37	76	489546	22.901	ug/l	96
18) Methyl Acetate	3.64	43	84247	30.464	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	358087	24.730	ug/l	100
20) Methylene Chloride	3.81	84	160455	22.966	ug/l #	84
21) trans-1,2-Dichloroethene	4.22	96	168566	23.669	ug/l	95
22) Diisopropyl ether	5.12	45	464580	23.114	ug/l	98
23) Vinyl Acetate	5.06	43	1468362	116.751	ug/l	98
24) 1,1-Dichloroethane	4.98	63	297828	22.759	ug/l	99
25) 2-Butanone	6.09	43	218064	127.271	ug/l #	87
26) 2,2-Dichloropropane	6.03	77	317501	22.890	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	175473	23.299	ug/l	98
28) Bromochloromethane	6.44	49	119907	26.016	ug/l	96
29) Tetrahydrofuran	6.46	42	99873	123.198	ug/l	98
30) Chloroform	6.67	83	359867	22.612	ug/l	91
31) Cyclohexane	6.95	56	194363	22.593	ug/l	87
32) 1,1,1-Trichloroethane	6.87	97	357165	21.547	ug/l	94
36) 1,1-Dichloropropene	7.15	75	242548	21.667	ug/l	97
37) Ethyl Acetate	6.18	43	111840	23.193	ug/l #	98
38) Carbon Tetrachloride	7.12	117	334256	19.854	ug/l	98

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 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Quant Time: Jun 26 05:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	214181	21.736	ug/l	92
40) Benzene	7.45	78	502333	22.356	ug/l	96
41) Methacrylonitrile	6.45	41	139067	23.557	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	278113	22.688	ug/l	100
43) Isopropyl Acetate	9.25	43	153663	26.183	ug/l #	96
44) Trichloroethene	8.55	130	202583	22.997	ug/l	100
45) 1,2-Dichloropropane	8.94	63	114837	20.553	ug/l	98
46) Dibromomethane	9.07	93	107753	22.450	ug/l	92
47) Bromodichloromethane	9.38	83	265047	21.263	ug/l	94
48) Methyl methacrylate	9.13	41	102039	24.467	ug/l	97
49) 1,4-Dioxane	9.10	88	19214	553.762	ug/l #	77
51) 4-Methyl-2-Pentanone	10.31	43	491440	118.109	ug/l	93
52) Toluene	10.52	92	332330	22.002	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	232900	22.828	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	252291	22.751	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	112479	21.675	ug/l	95
56) Ethyl methacrylate	11.05	69	131748	23.756	ug/l	95
57) 1,3-Dichloropropane	11.41	76	173991	21.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	336379	118.147	ug/l	91
59) 2-Hexanone	11.54	43	390092	131.639	ug/l	96
60) Dibromochloromethane	11.69	129	217453	22.497	ug/l	93
61) 1,2-Dibromoethane	11.81	107	151108	24.655	ug/l	86
64) Tetrachloroethene	11.26	164	184046	23.569	ug/l	94
65) Chlorobenzene	12.41	112	407298	23.130	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	192415	23.366	ug/l	92
67) Ethyl Benzene	12.52	91	750031	23.724	ug/l	100
68) m/p-Xylenes	12.67	106	536652	48.737	ug/l	99
69) o-Xylene	13.06	106	241634	24.005	ug/l	98
70) Styrene	13.08	104	416697	23.569	ug/l	96
71) Bromoform	13.24	173	134039	23.757	ug/l	96
73) Isopropylbenzene	13.41	105	749037	21.471	ug/l	99
74) N-amyl acetate	13.27	43	193191	22.804	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	135360	23.814	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	143961	22.920	ug/l	91
77) Bromobenzene	13.68	156	203530	21.691	ug/l	92
78) n-propylbenzene	13.77	91	898107	22.119	ug/l	93
79) 2-Chlorotoluene	13.84	91	485751	20.934	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	659781	22.516	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	35628	21.643	ug/l #	84
82) 4-Chlorotoluene	13.95	91	633641	22.682	ug/l	100
83) tert-Butylbenzene	14.19	119	734148	22.477	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	670639	22.329	ug/l	96
85) sec-Butylbenzene	14.37	105	737537	20.776	ug/l	93
86) p-Isopropyltoluene	14.49	119	703111	21.650	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	394478	23.453	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	364414	21.570	ug/l	97
89) n-Butylbenzene	14.80	91	692066	22.768	ug/l	99
90) Hexachloroethane	15.01	117	187178	21.436	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	336295	23.368	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28048	25.282	ug/l	93

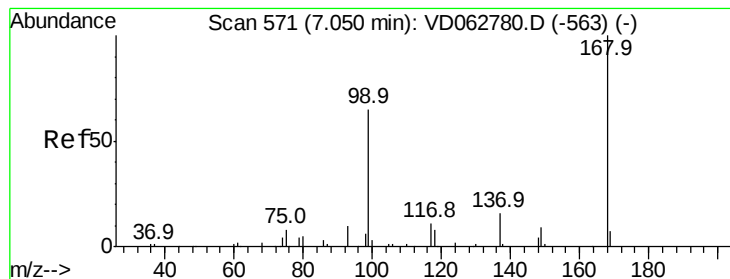
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062873.D
Acq On : 25 Jun 2019 12:31
Operator : VA/AP
Sample : VD0625SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Quant Time: Jun 26 05:33:08 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.95	180	258430	22.988	ug/l	97
94) Hexachlorobutadiene	16.04	225	179826	20.939	ug/l	94
95) Naphthalene	16.13	128	374580	23.773	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	198163	22.942	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

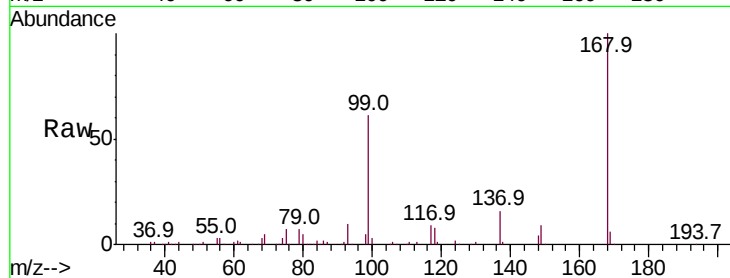
VD0625SBSD01

Tot Ion:168 Resp: 842791

Ion Ratio Lower Upper

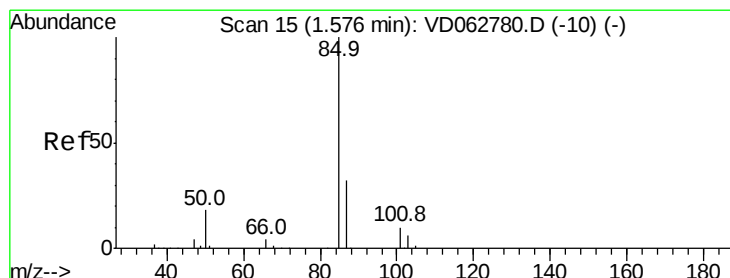
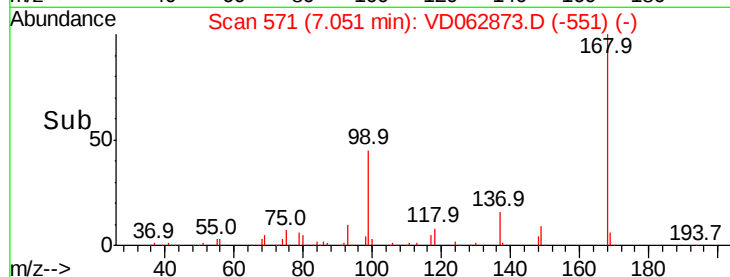
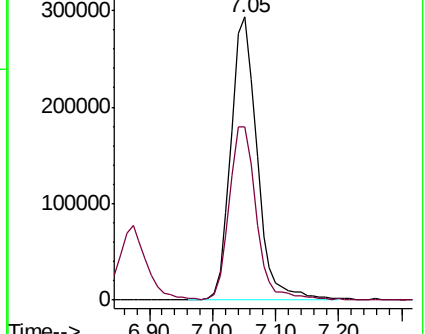
168 100

99 61.2 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: 24.456 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062873.D

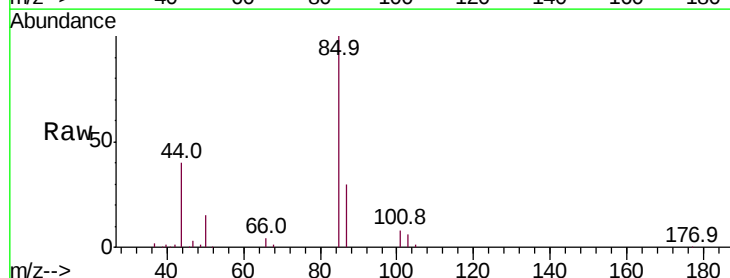
Acq: 25 Jun 2019 12:31

Tgt Ion: 85 Resp: 266720

Ion Ratio Lower Upper

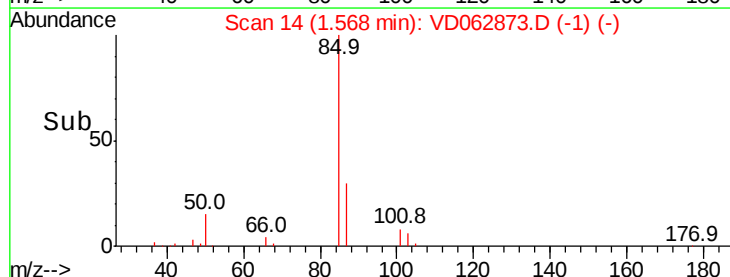
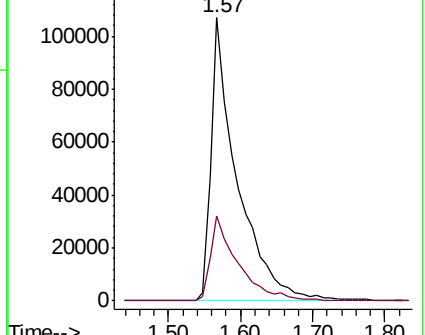
85 100

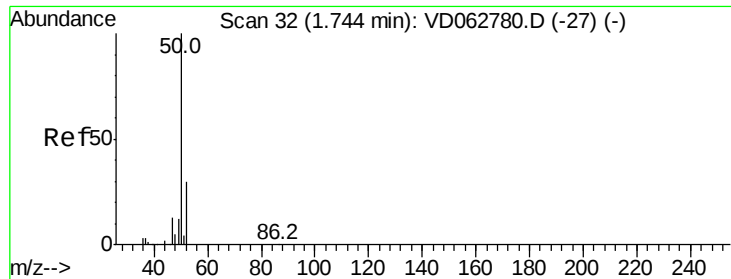
87 29.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.101 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

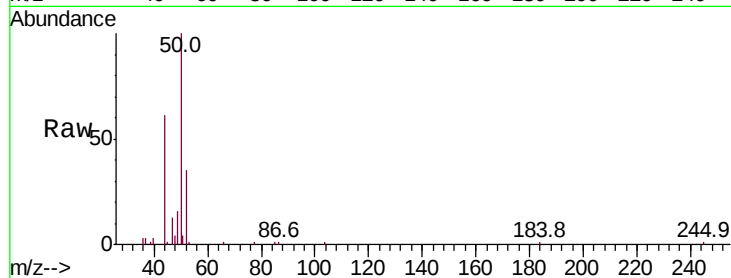
VD0625SBSD01

Tot Ion: 50 Resp: 189475

Ion Ratio Lower Upper

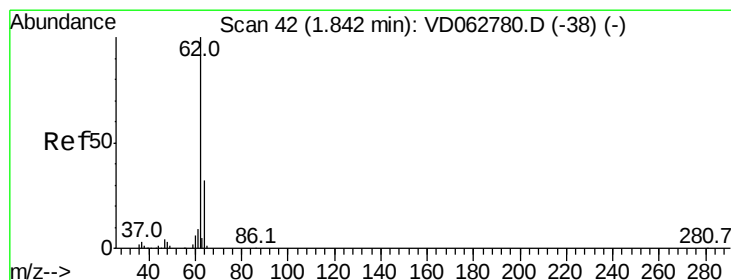
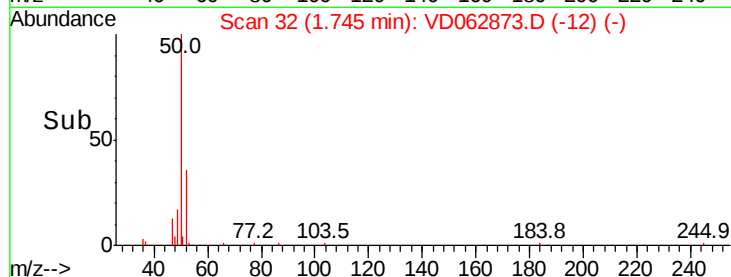
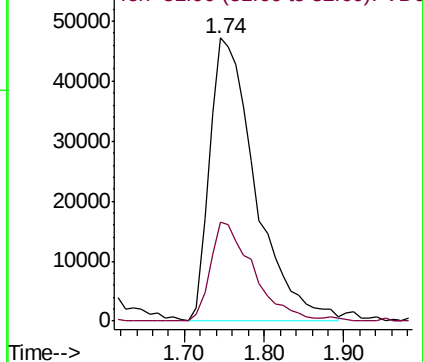
50 100

52 35.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.114 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062873.D

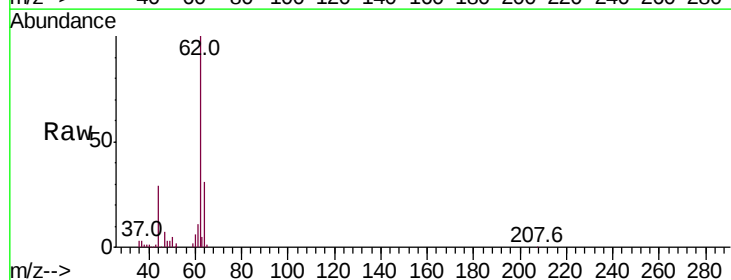
Acq: 25 Jun 2019 12:31

Tgt Ion: 62 Resp: 187970

Ion Ratio Lower Upper

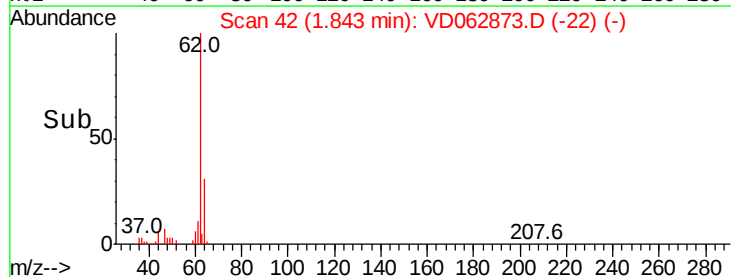
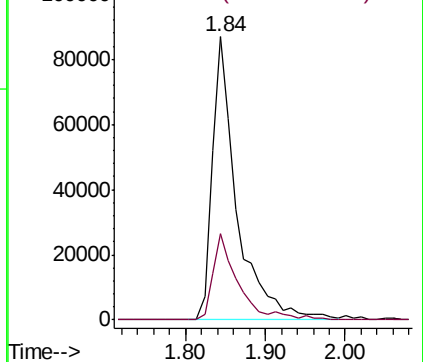
62 100

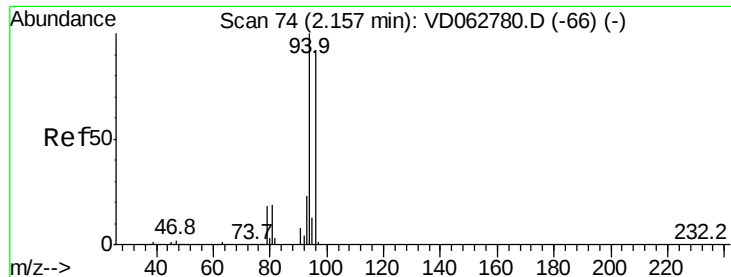
64 30.6 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.124 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

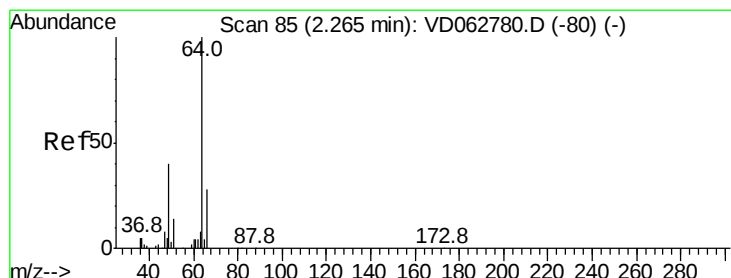
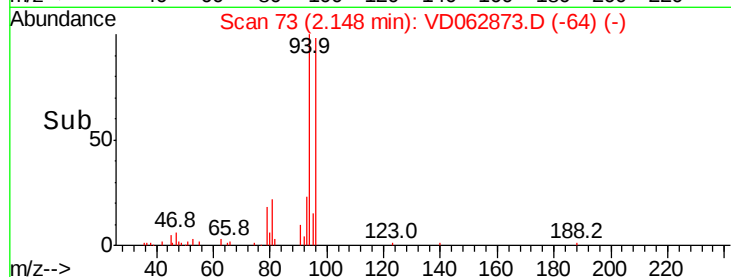
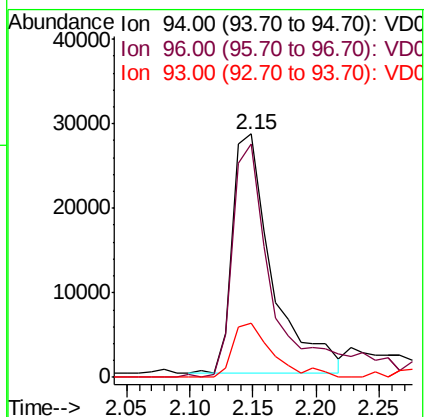
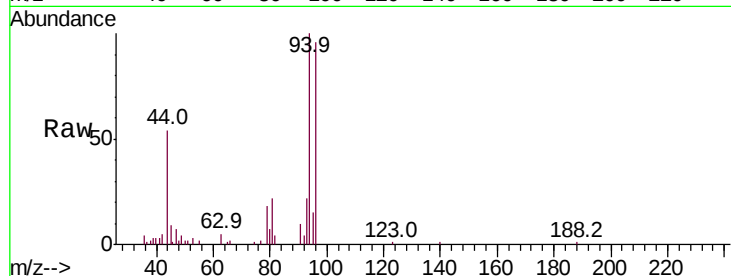
Tot Ion: 94 Resp: 61408

Ion	Ratio	Lower	Upper
94	100		
96	95.9	73.4	110.2
93	22.2	18.2	27.4

94 100

96 95.9 73.4 110.2

93 22.2 18.2 27.4



#6

Chloroethane

Concen: 21.775 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062873.D

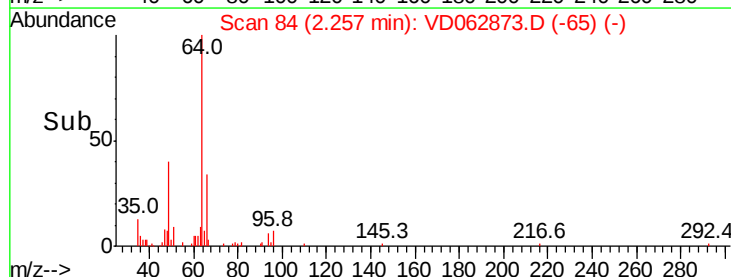
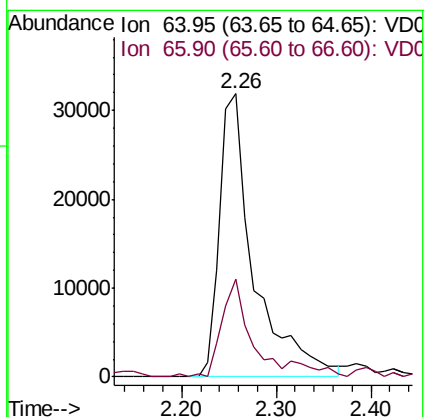
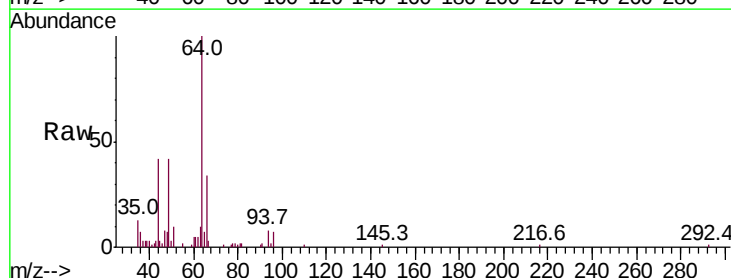
Acq: 25 Jun 2019 12:31

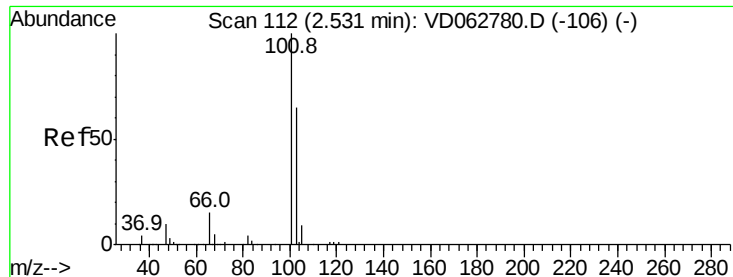
Tgt Ion: 64 Resp: 80171

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.0	34.4

64 100

66 34.4 23.0 34.4



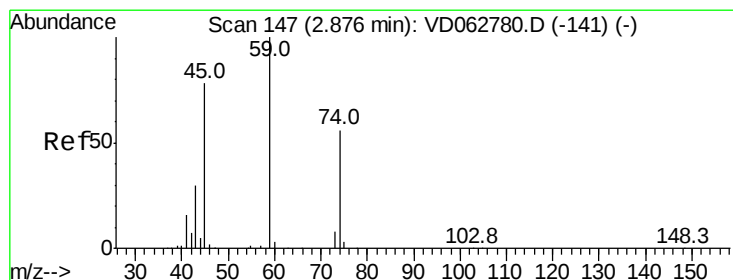
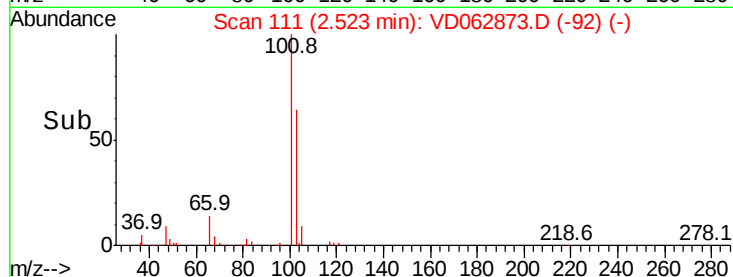
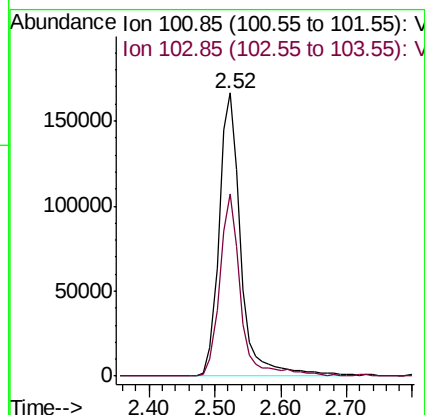
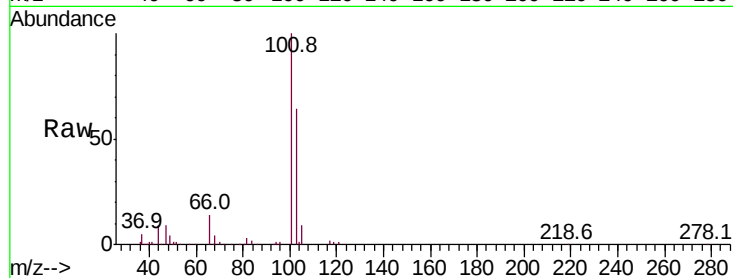


#7

Trichlorofluoromethane
 Concen: 23.154 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

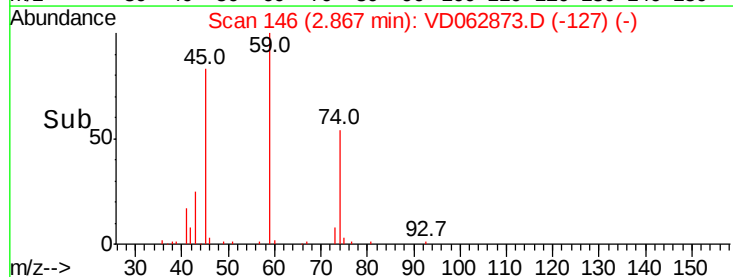
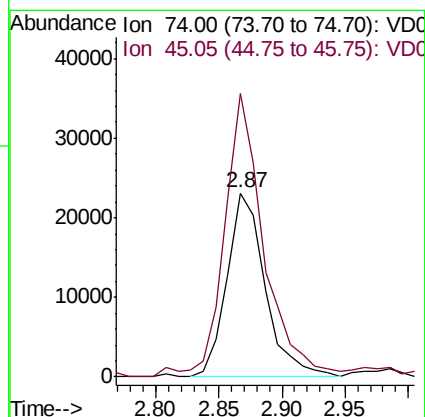
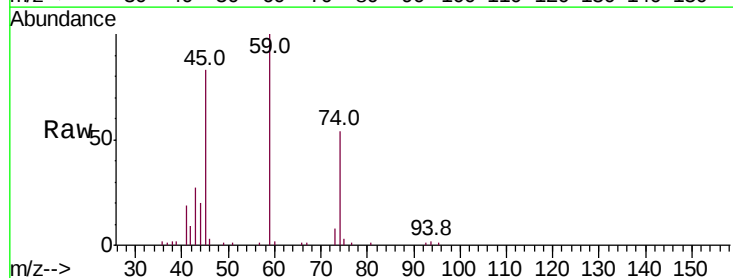
Tot Ion:101 Resp: 381069
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.8

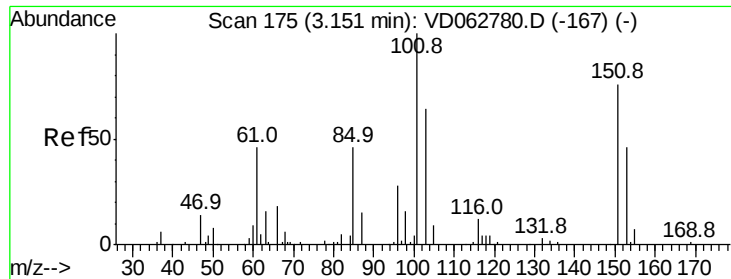


#8

Diethyl Ether
 Concen: 23.155 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion: 74 Resp: 48419
 Ion Ratio Lower Upper
 74 100
 45 153.9 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.619 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

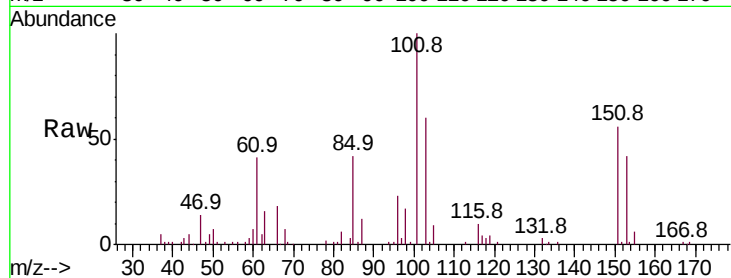
Tot Ion:101 Resp: 192757

Ion Ratio Lower Upper

101 100

85 42.3 37.0 55.4

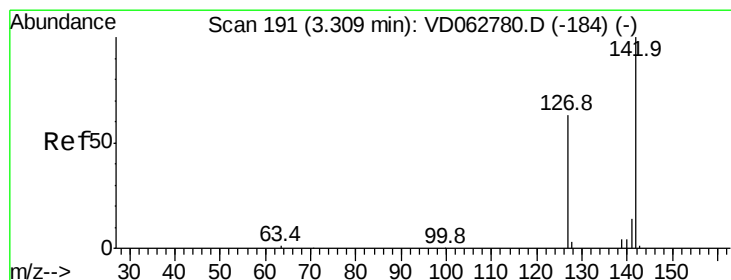
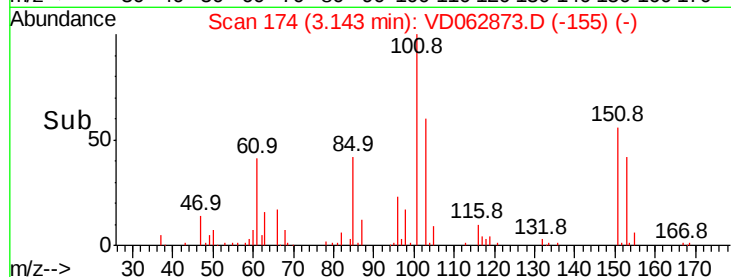
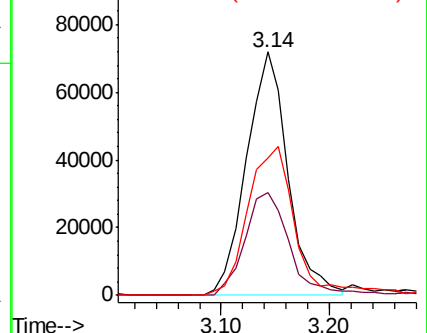
151 56.3 60.5 90.7#



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: 19.920 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

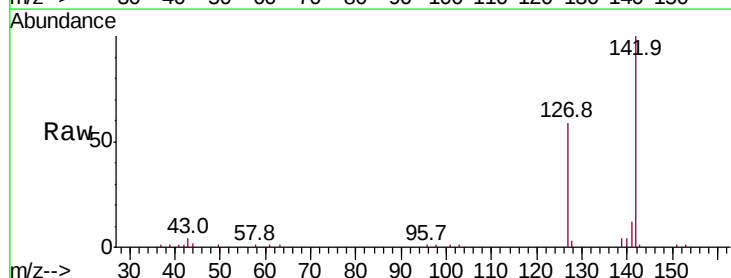
Tgt Ion:142 Resp: 234322

Ion Ratio Lower Upper

142 100

127 59.0 50.1 75.1

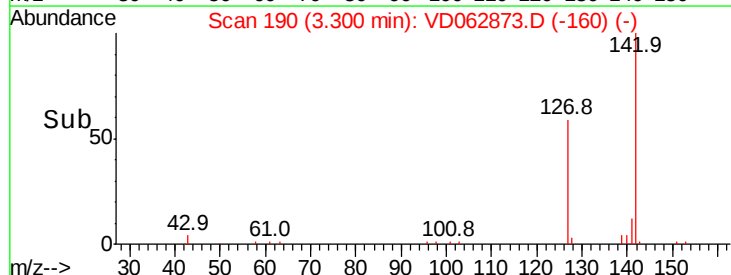
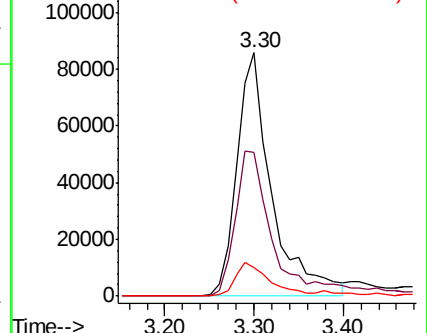
141 11.9 11.0 16.4

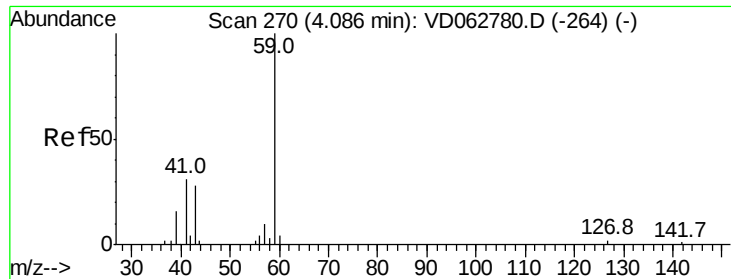


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



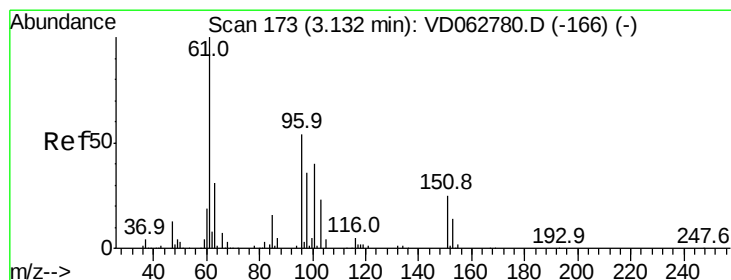
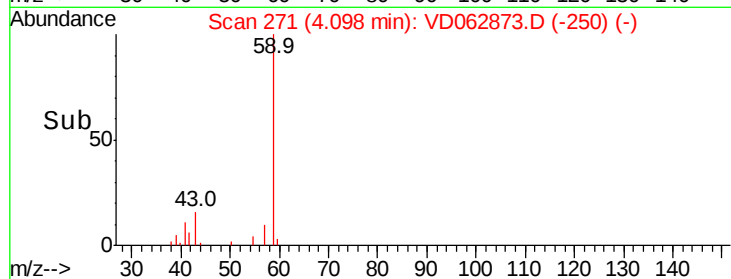
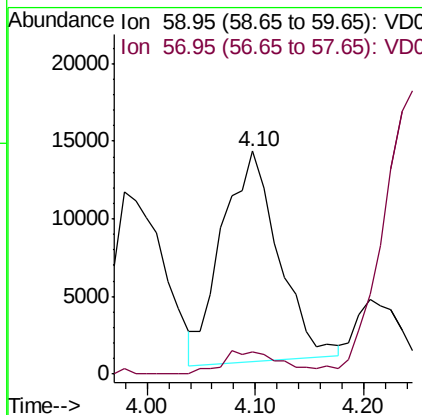
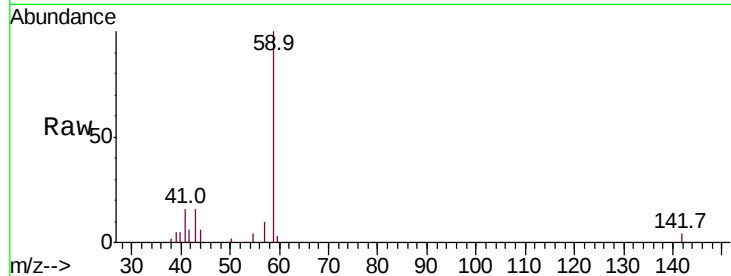


#11

Tert butyl alcohol
Concen: 117.001 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

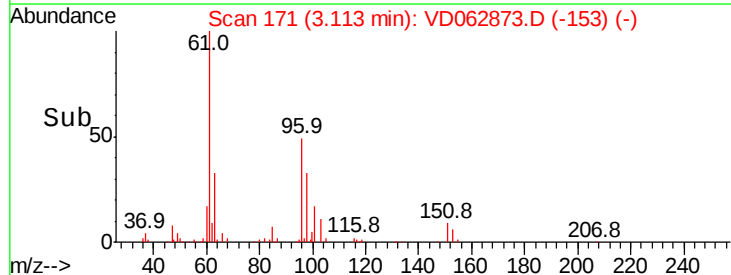
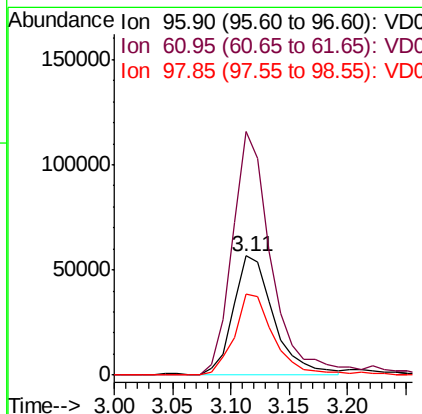
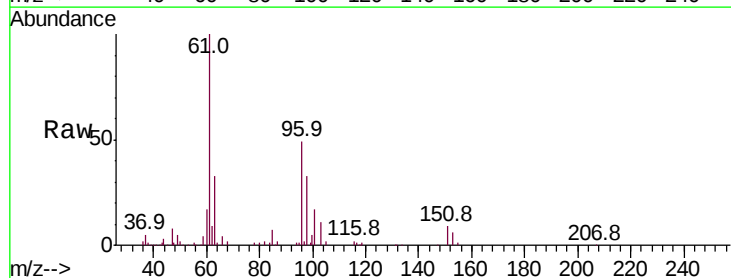
Tot Ion: 59 Resp: 48817
Ion Ratio Lower Upper
59 100
57 10.1 6.6 10.0#

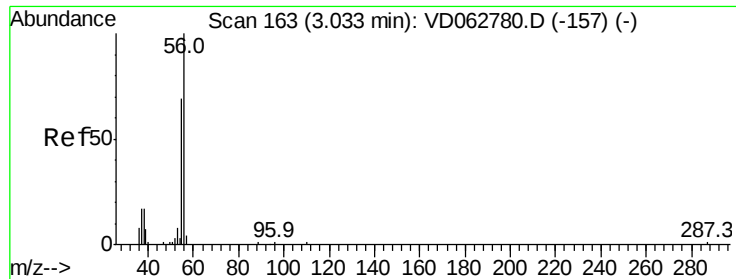


#12

1,1-Dichloroethene
Concen: 20.642 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 96 Resp: 138065
Ion Ratio Lower Upper
96 100
61 204.1 147.1 220.7
98 68.0 52.6 79.0





#13

Acrolein

Concen: 97.963 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

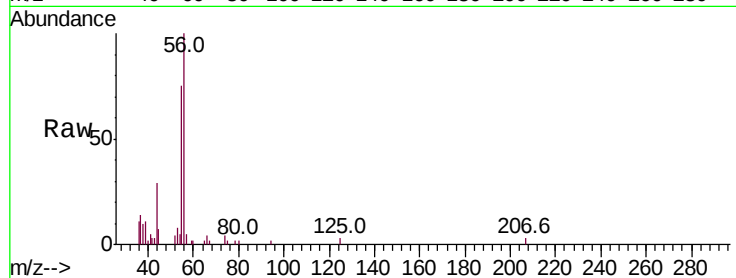
VD0625SBS01

Tot Ion: 56 Resp: 41727

Ion Ratio Lower Upper

56 100

55 75.0 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

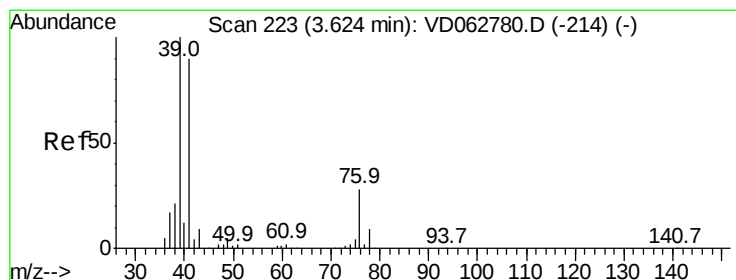
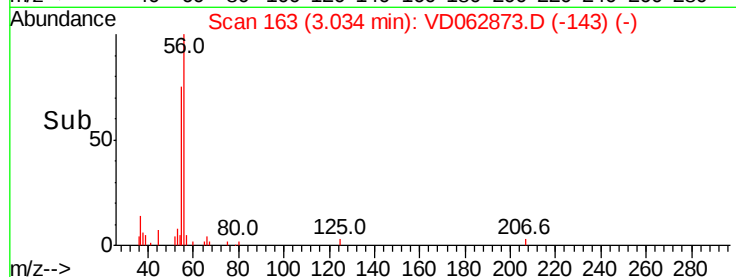
15000

10000

5000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 23.404 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

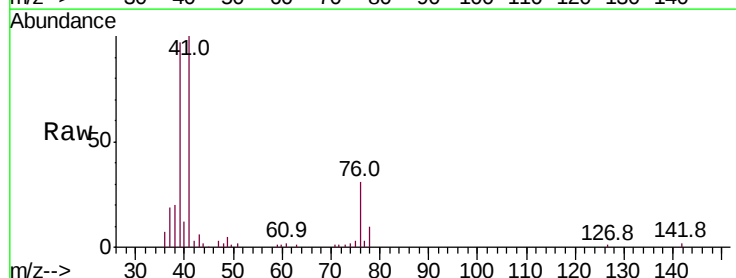
Tgt Ion: 41 Resp: 231303

Ion Ratio Lower Upper

41 100

39 96.6 88.8 133.2

76 30.5 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

120000

100000

80000

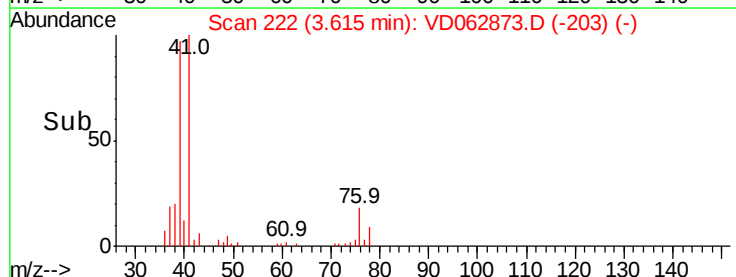
60000

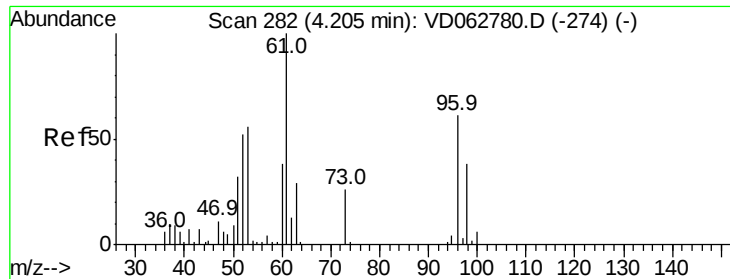
40000

20000

0

Time--> 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 126.735 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

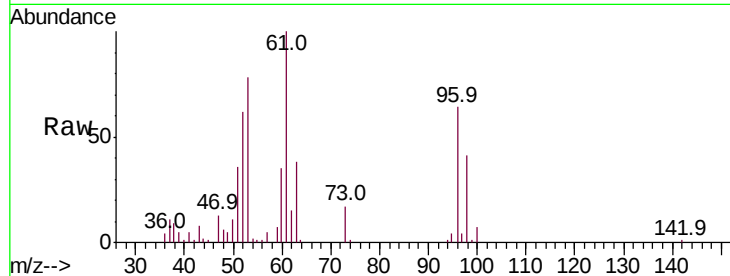
Tot Ion: 53 Resp: 124250

Ion Ratio Lower Upper

53 100

52 78.8 73.3 109.9

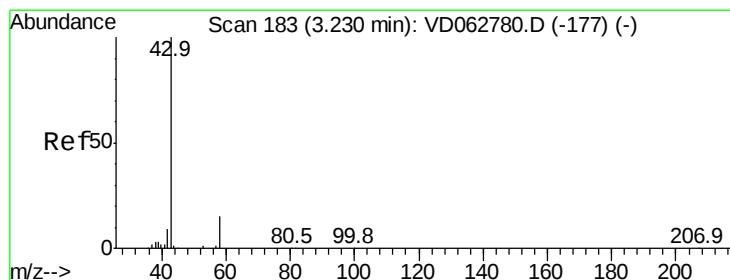
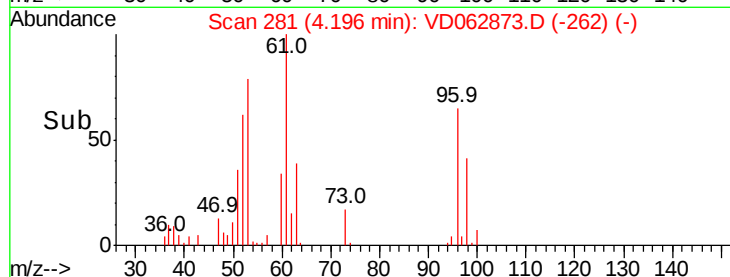
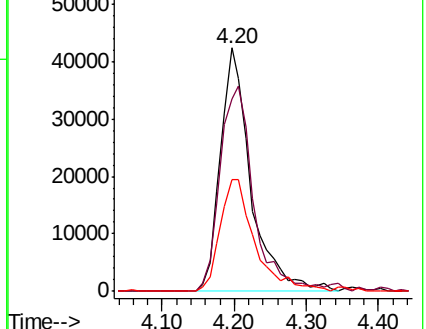
51 45.8 44.8 67.2



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: 118.411 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062873.D

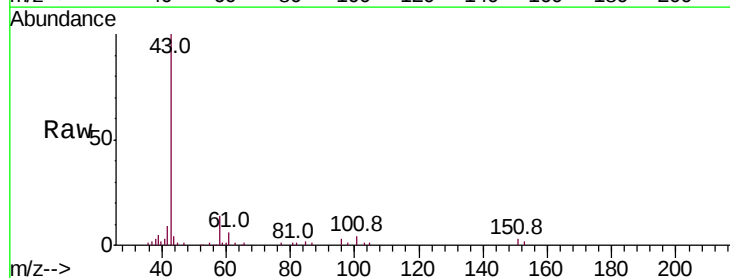
Acq: 25 Jun 2019 12:31

Tgt Ion: 43 Resp: 226821

Ion Ratio Lower Upper

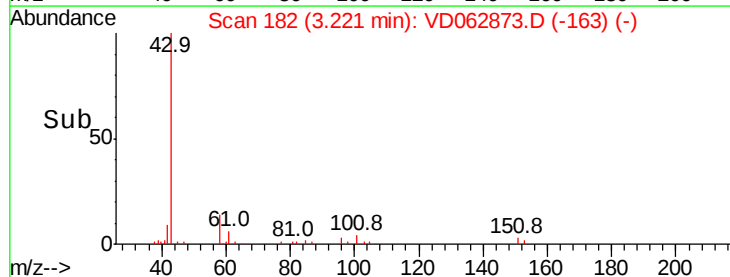
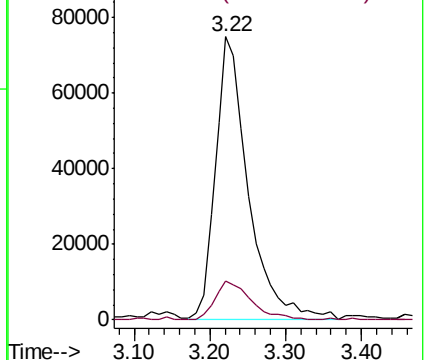
43 100

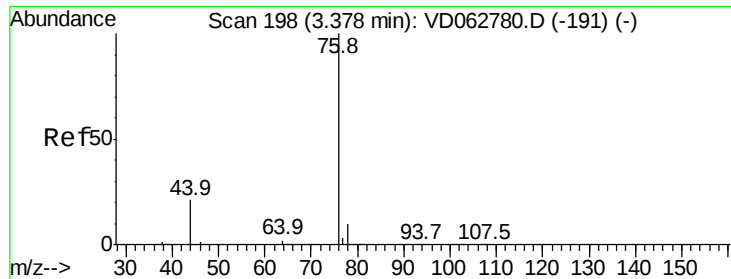
58 13.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

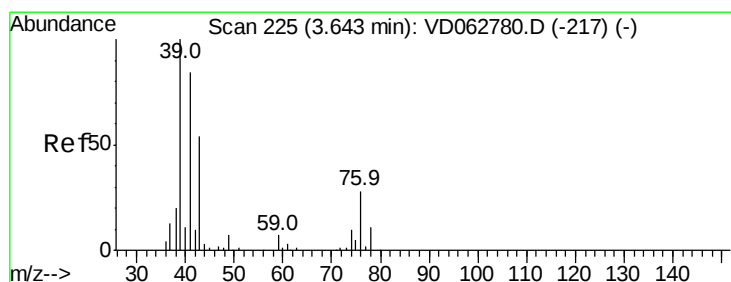
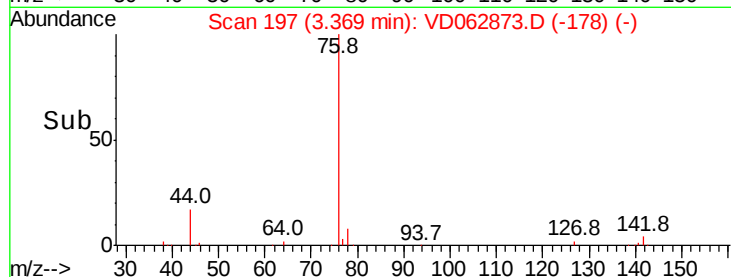
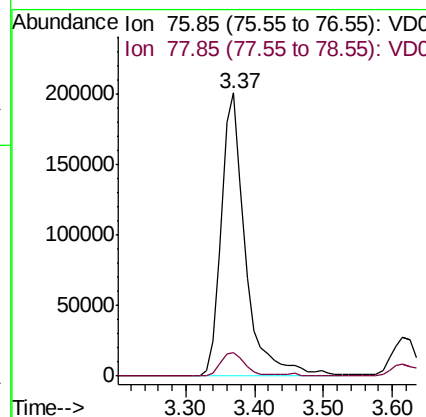
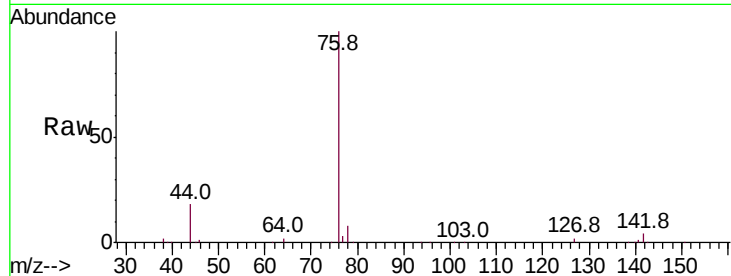




#17
Carbon Disulfide
Concen: 22.901 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

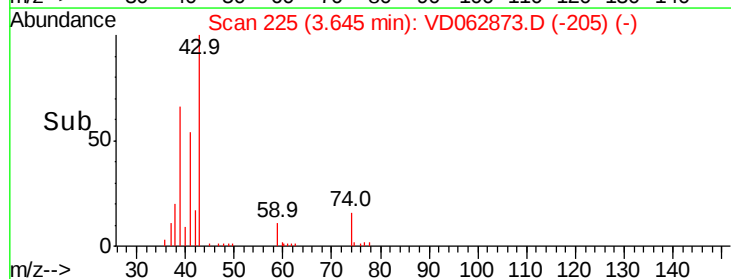
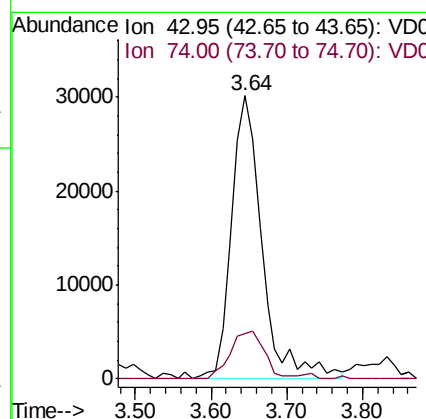
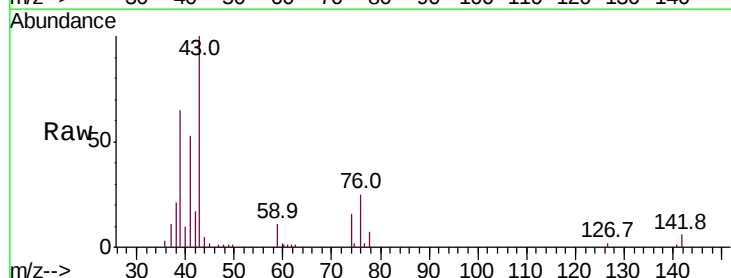
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

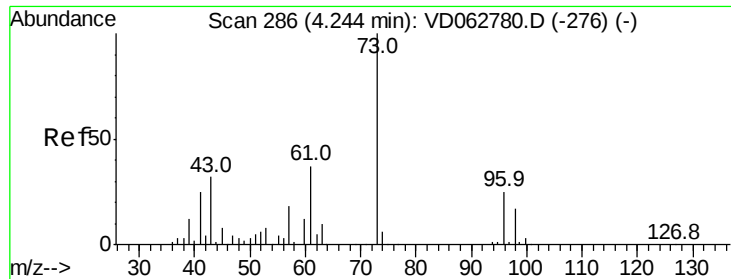
Tot Ion: 76 Resp: 489546
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0



#18
Methyl Acetate
Concen: 30.464 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 43 Resp: 84247
Ion Ratio Lower Upper
43 100
74 17.6 15.2 22.8

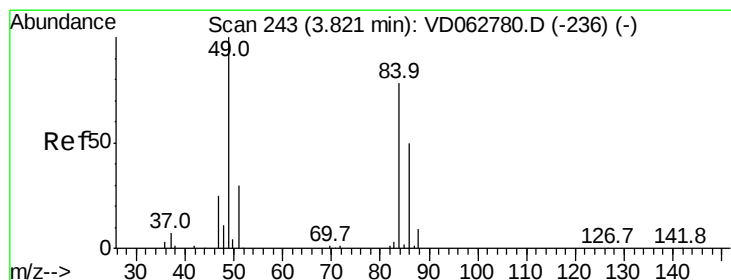
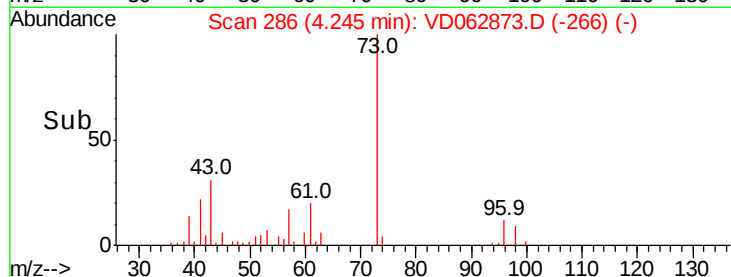
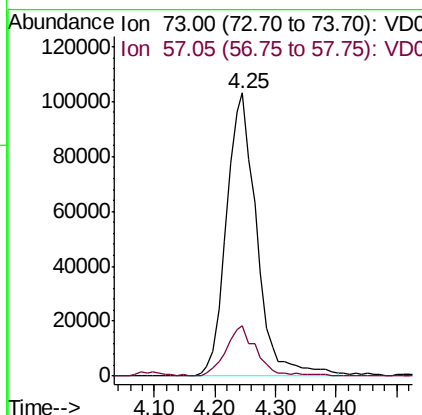
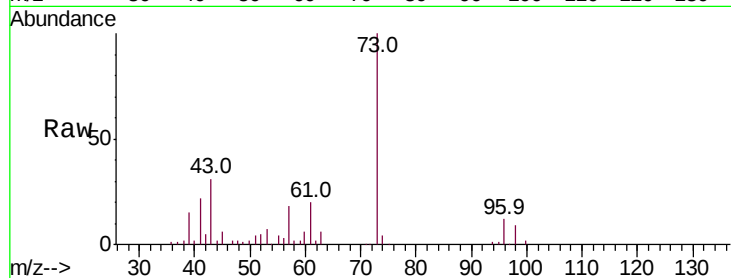




#19
Methyl tert-butyl Ether
Concen: 24.730 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

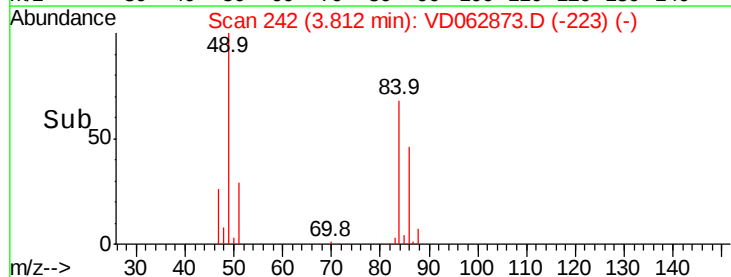
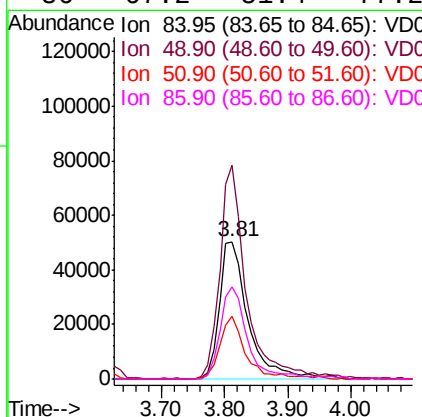
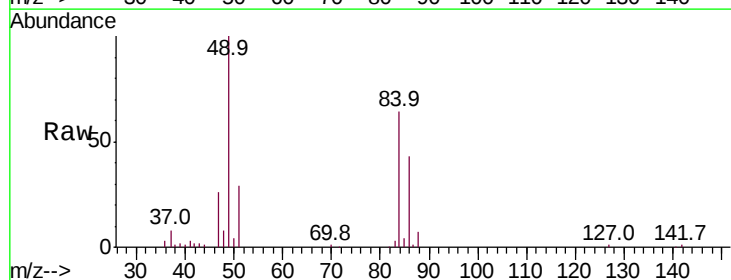
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

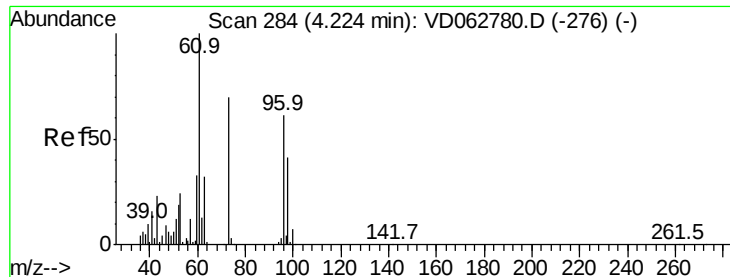
Tot Ion: 73 Resp: 358087
Ion Ratio Lower Upper
73 100
57 17.7 14.3 21.5



#20
Methylene Chloride
Concen: 22.966 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 84 Resp: 160455
Ion Ratio Lower Upper
84 100
49 155.8 102.9 154.3#
51 45.8 31.2 46.8
86 67.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 23.669 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

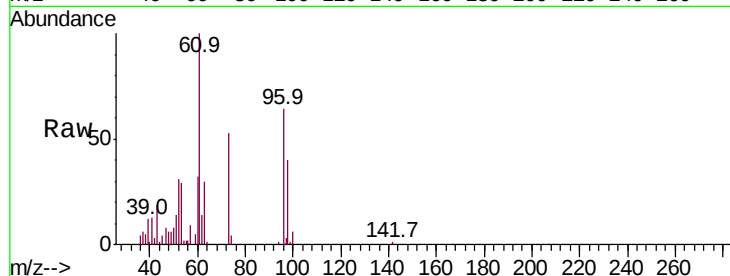
Tot Ion: 96 Resp: 168566

Ion Ratio Lower Upper

96 100

61 156.6 131.0 196.4

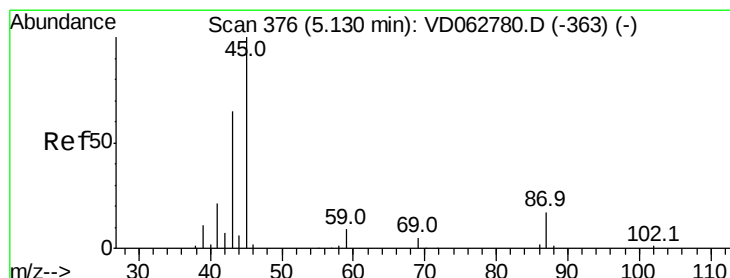
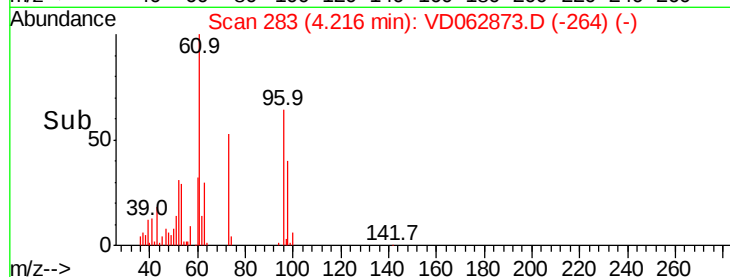
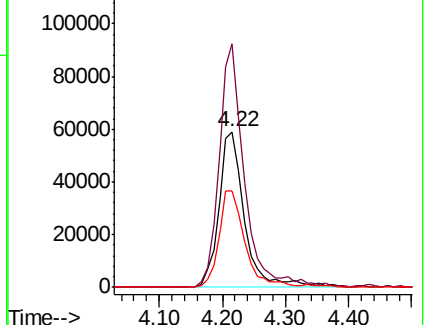
98 62.0 53.2 79.8



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: 23.114 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Tgt Ion: 45 Resp: 464580

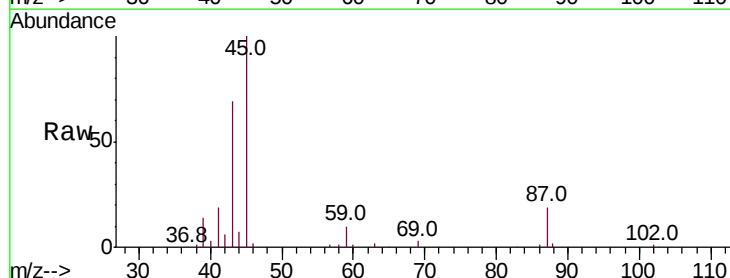
Ion Ratio Lower Upper

45 100

43 68.9 53.4 80.0

87 19.3 14.6 22.0

59 9.8 7.8 11.8

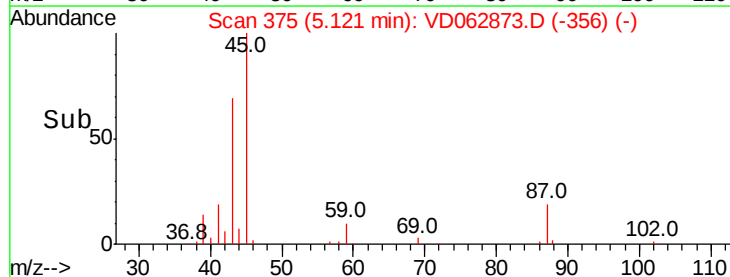
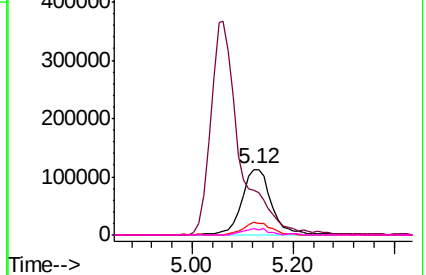


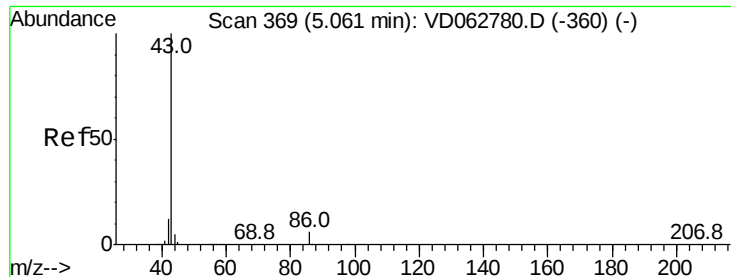
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 116.751 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

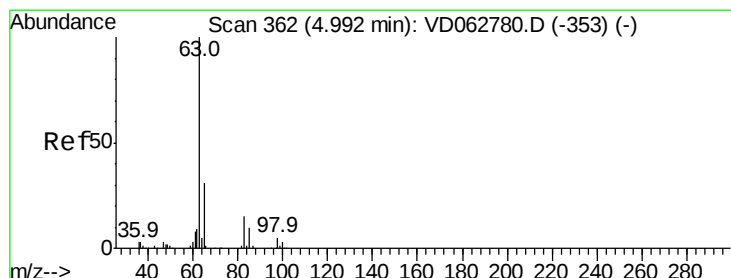
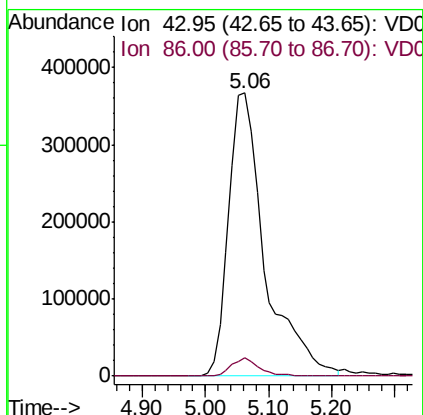
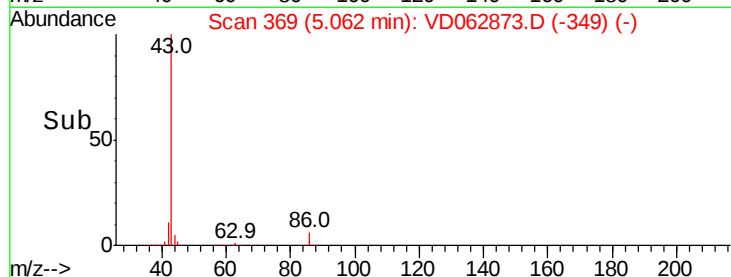
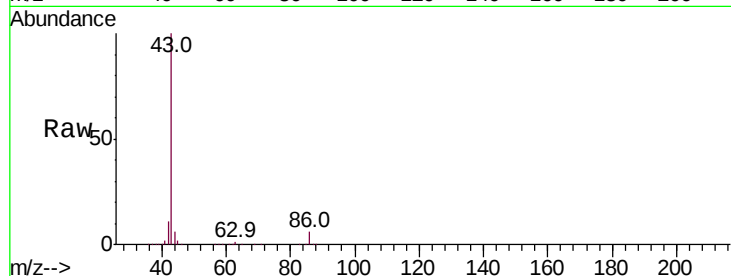
VD0625SBSD01

Tot Ion: 43 Resp: 1468362

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



#24

1,1-Dichloroethane

Concen: 22.759 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

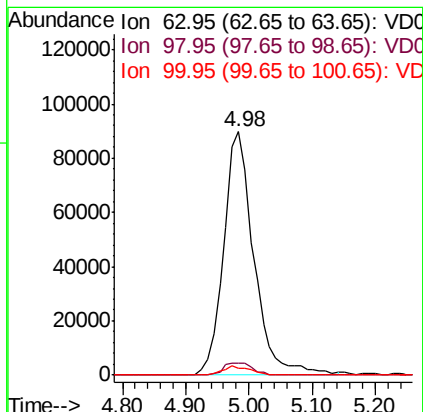
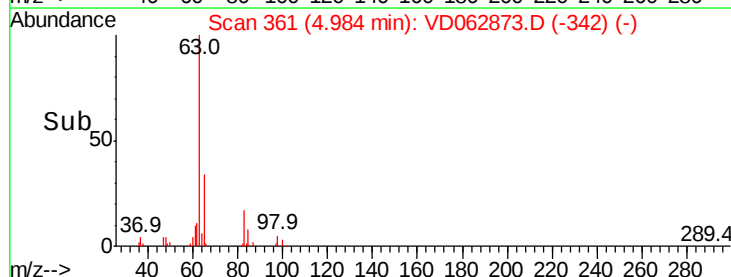
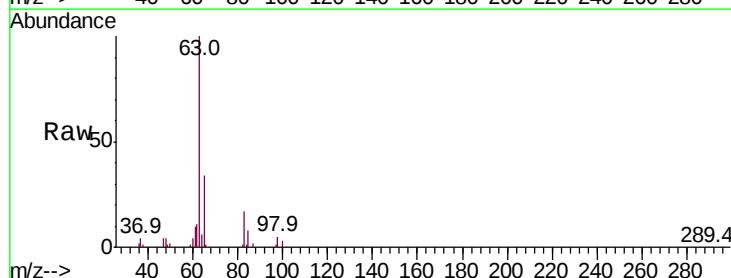
Tgt Ion: 63 Resp: 297828

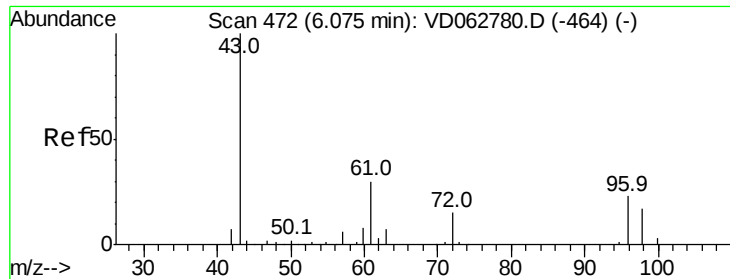
Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

100 3.0 1.7 5.1





#25

2-Butanone

Concen: 127.271 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

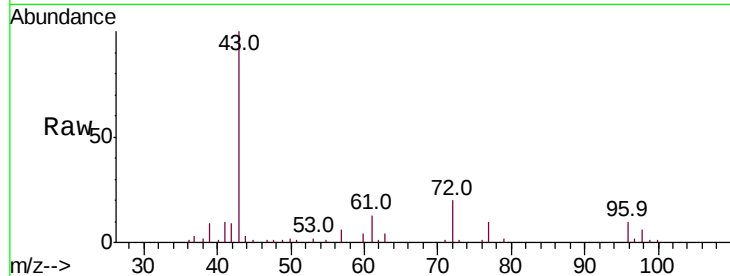
VD0625SBSD01

Tot Ion: 43 Resp: 218064

Ion Ratio Lower Upper

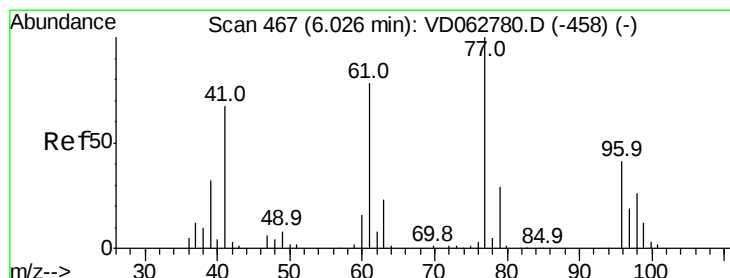
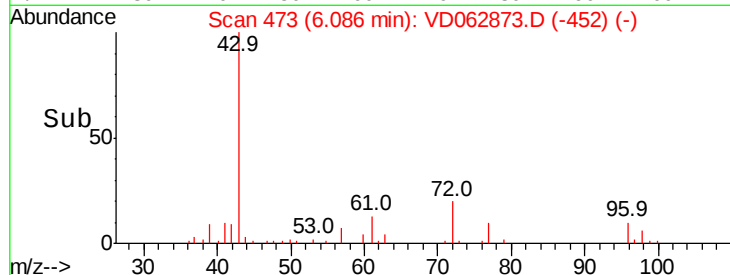
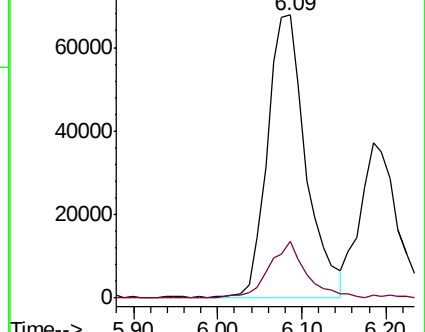
43 100

72 20.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.890 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062873.D

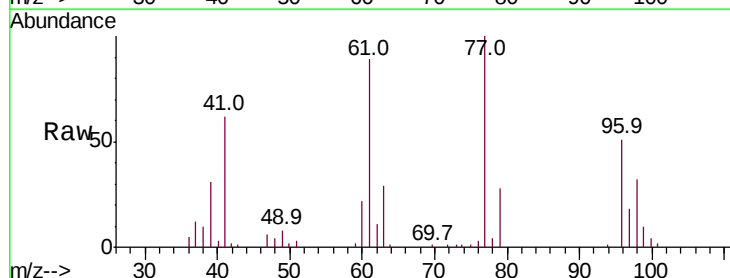
Acq: 25 Jun 2019 12:31

Tgt Ion: 77 Resp: 317501

Ion Ratio Lower Upper

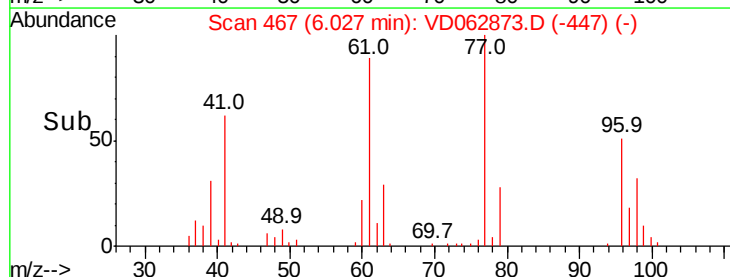
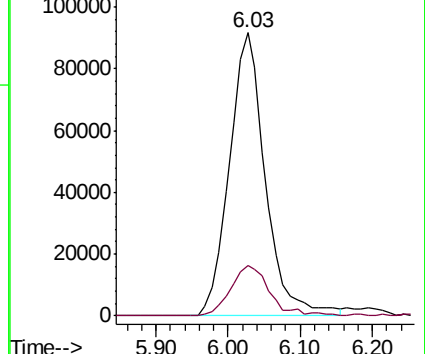
77 100

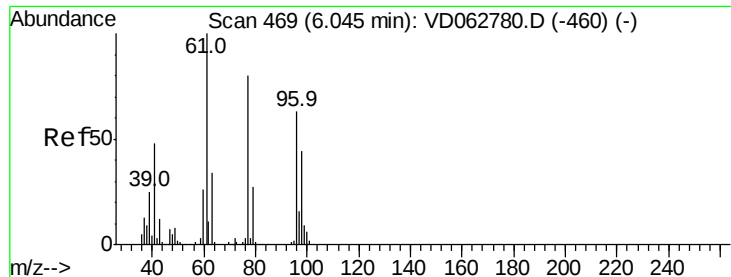
97 17.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



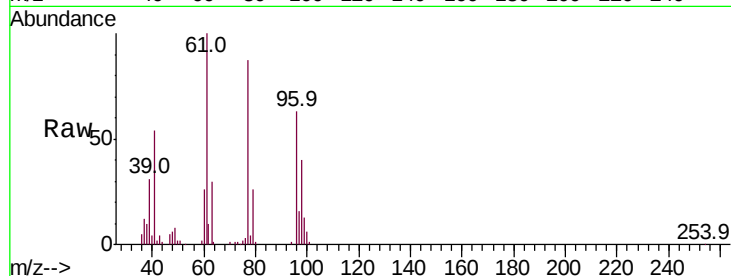


#27

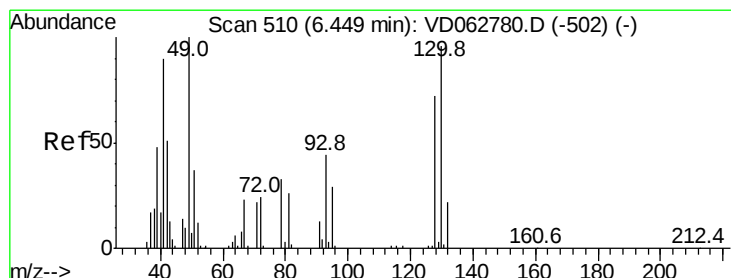
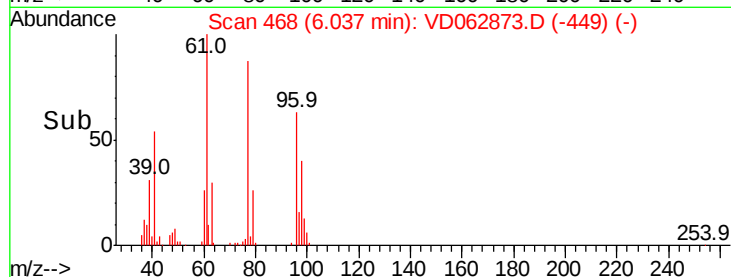
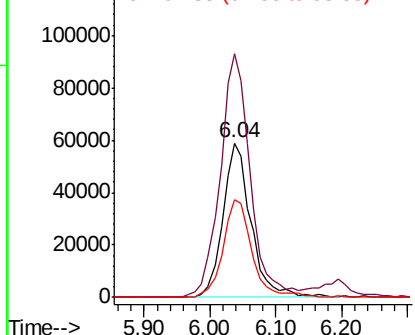
cis-1,2-Dichloroethene
Concen: 23.299 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion: 96 Resp: 175473
Ion Ratio Lower Upper
96 100
61 157.8 0.0 316.0
98 63.1 0.0 138.4



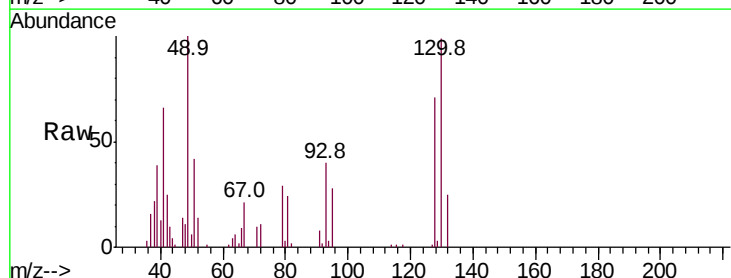
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



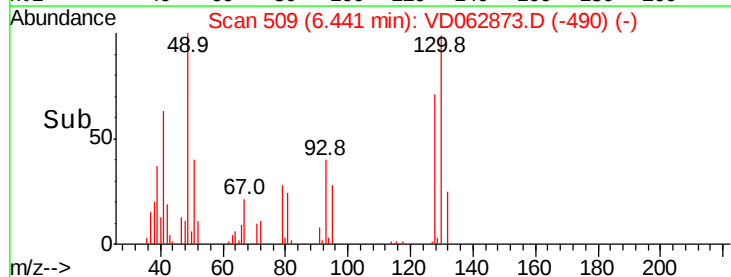
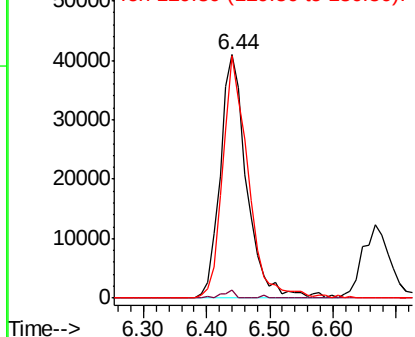
#28

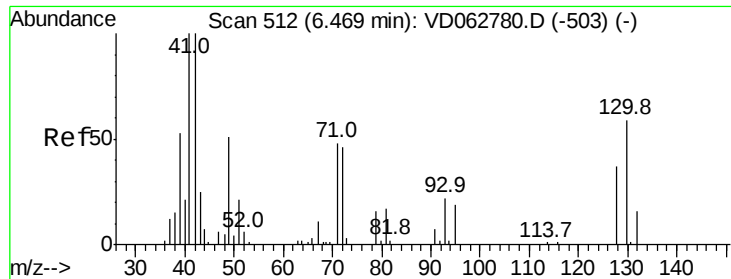
Bromochloromethane
Concen: 26.016 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 49 Resp: 119907
Ion Ratio Lower Upper
49 100
129 3.2 0.0 5.6
130 99.3 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 123.198 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

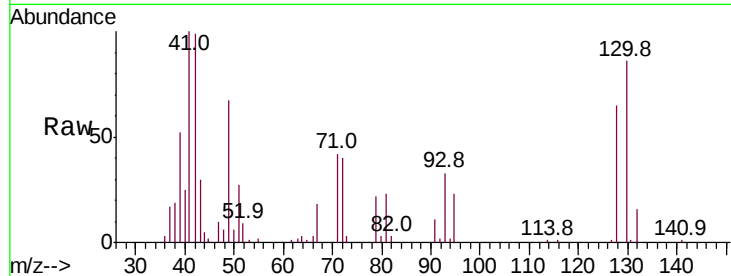
Tot Ion: 42 Resp: 99873

Ion Ratio Lower Upper

42 100

72 44.6 35.0 52.6

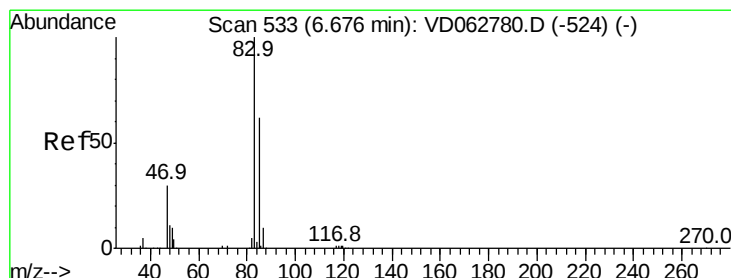
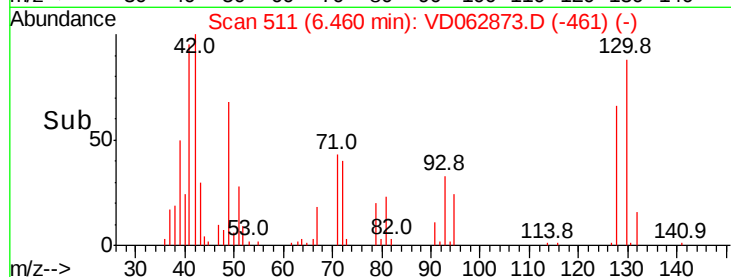
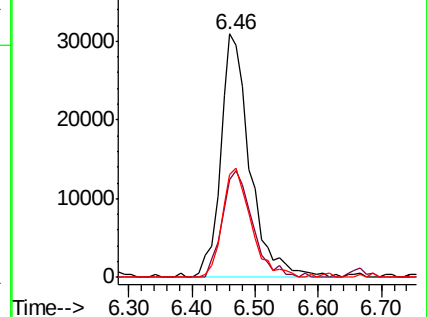
71 44.0 33.3 49.9



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: 22.612 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062873.D

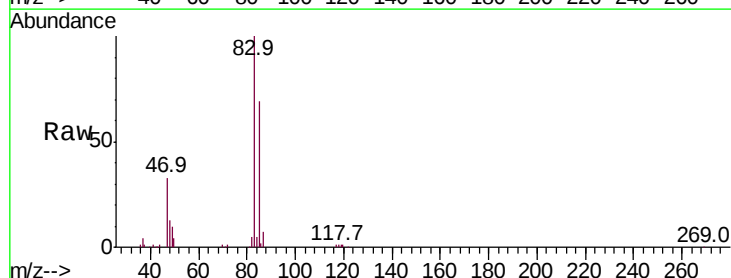
Acq: 25 Jun 2019 12:31

Tgt Ion: 83 Resp: 359867

Ion Ratio Lower Upper

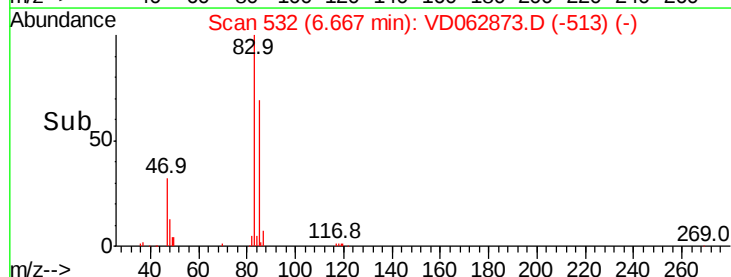
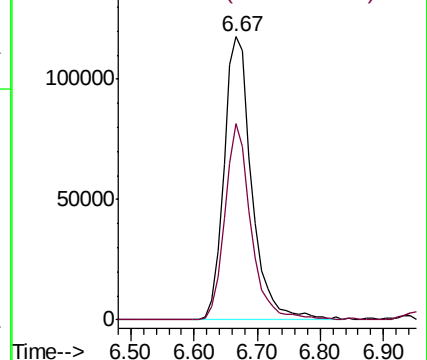
83 100

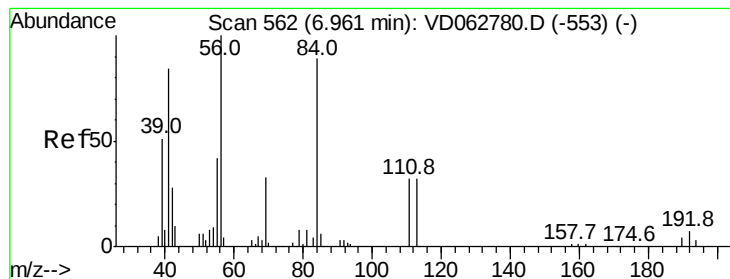
85 69.3 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 22.593 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

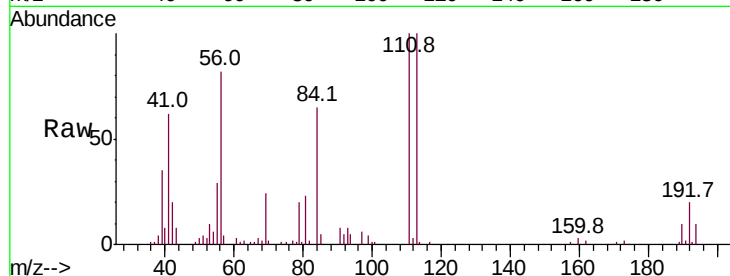
Tot Ion: 56 Resp: 194363

Ion Ratio Lower Upper

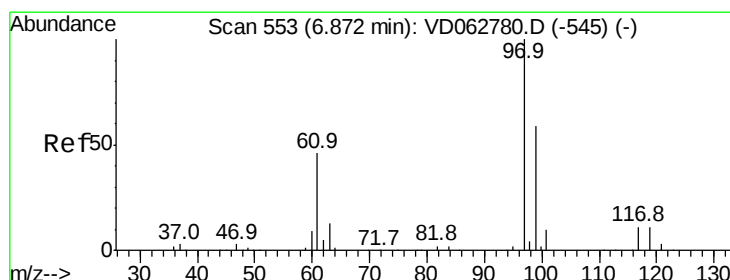
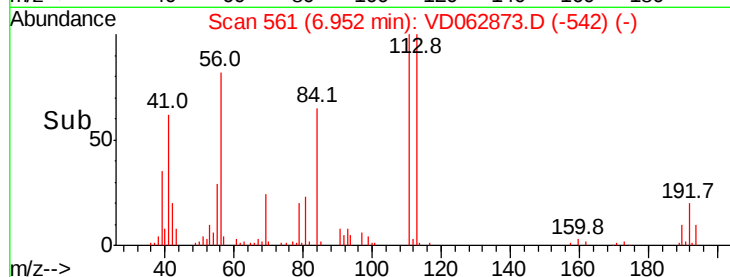
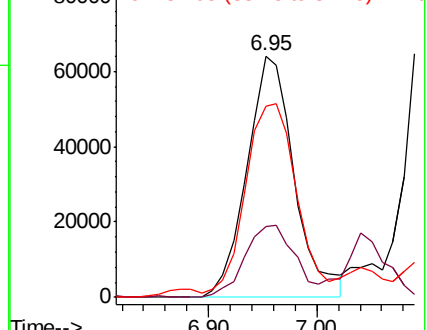
56 100

69 29.2 26.6 39.8

84 79.5 75.5 113.3



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



#32

1,1,1-Trichloroethane

Concen: 21.547 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

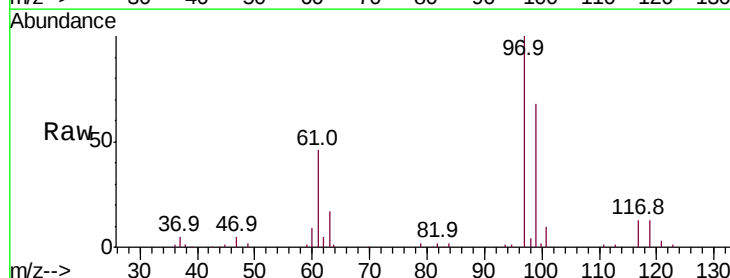
Tgt Ion: 97 Resp: 357165

Ion Ratio Lower Upper

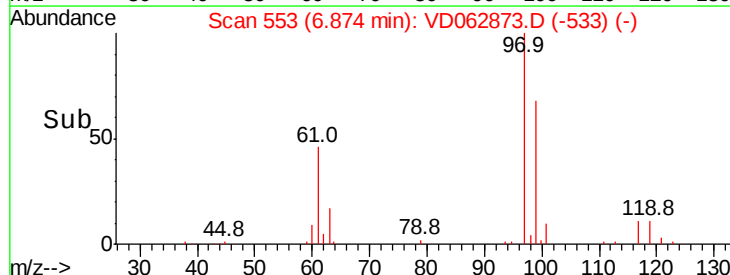
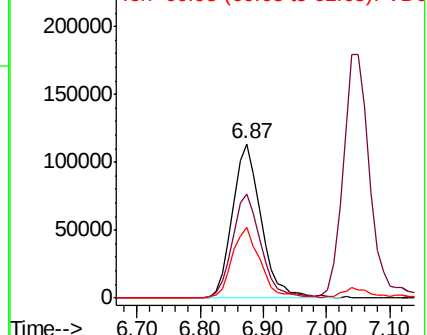
97 100

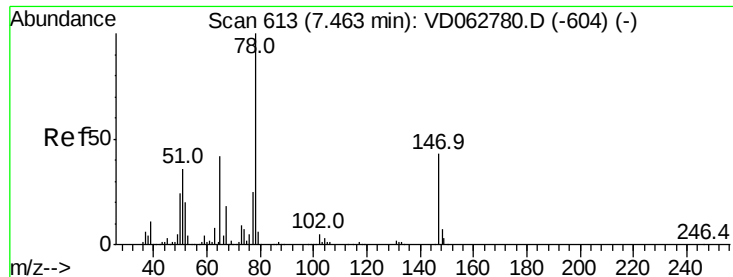
99 67.5 47.4 71.2

61 46.2 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

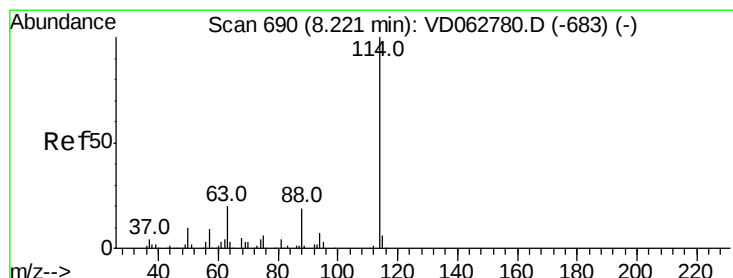
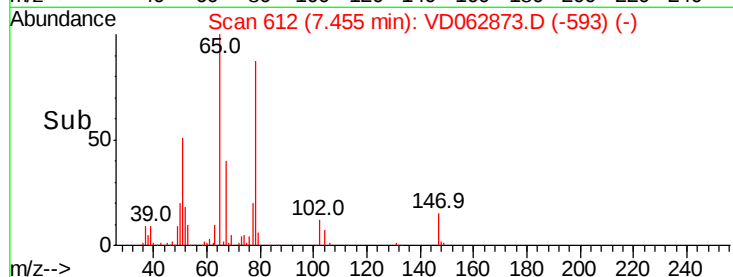
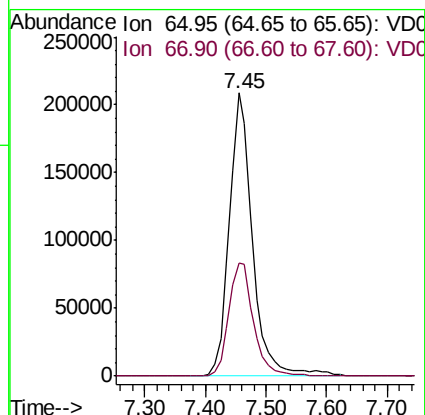
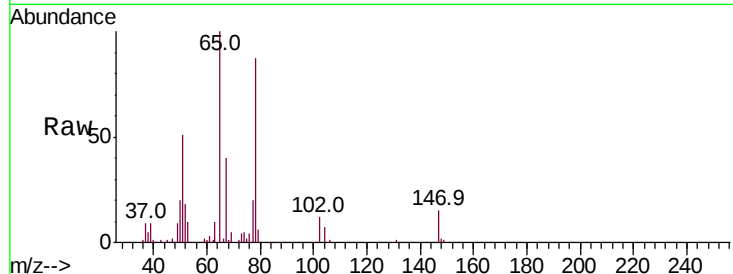




#33
 1,2-Dichloroethane-d4
 Concen: 60.735 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

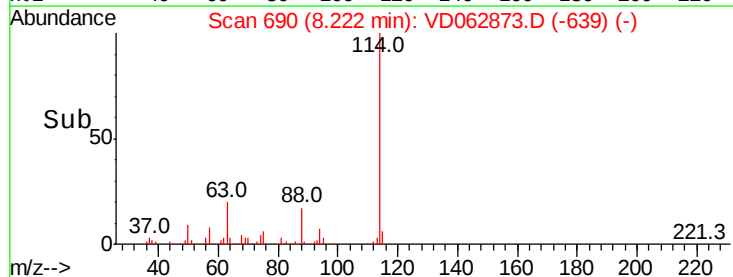
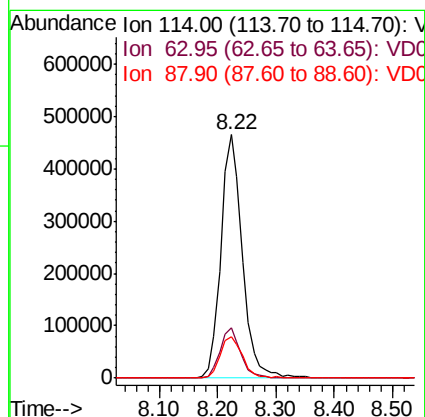
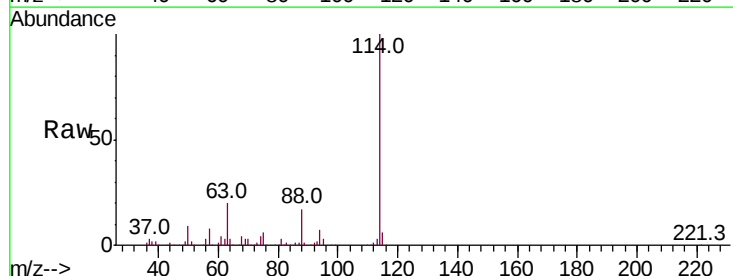
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

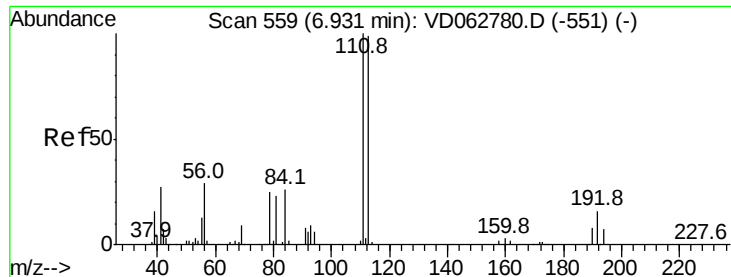
Tot Ion: 65 Resp: 556391
 Ion Ratio Lower Upper
 65 100
 67 40.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion: 114 Resp: 1182518
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 17.1 0.0 38.8





#35

Dibromofluoromethane

Concen: 55.924 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

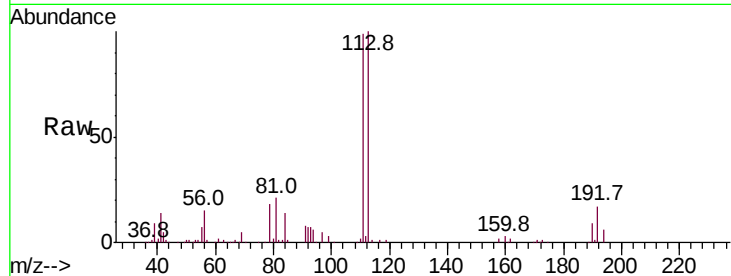
Tot Ion:113 Resp: 557619

Ion Ratio Lower Upper

113 100

111 98.9 81.2 121.8

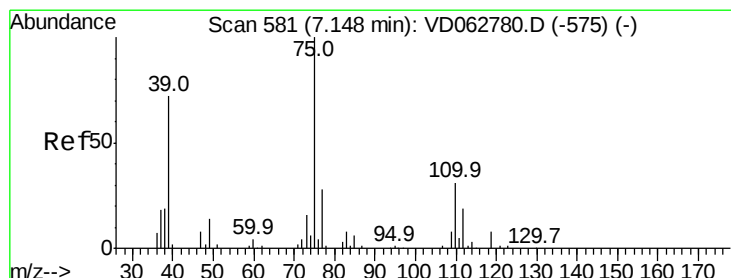
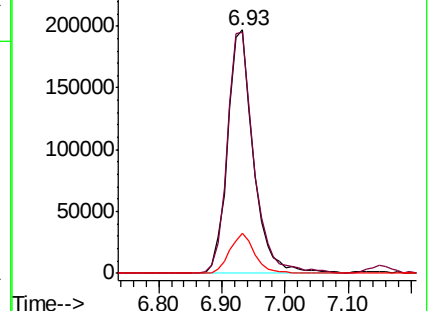
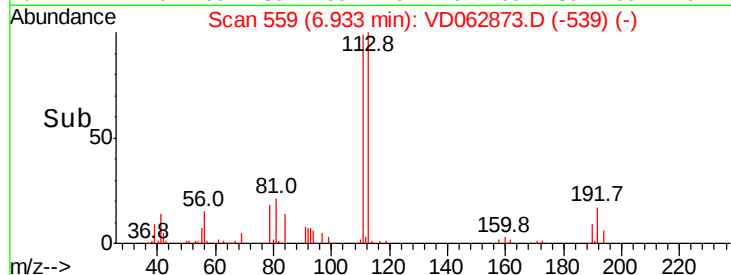
192 16.7 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.667 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

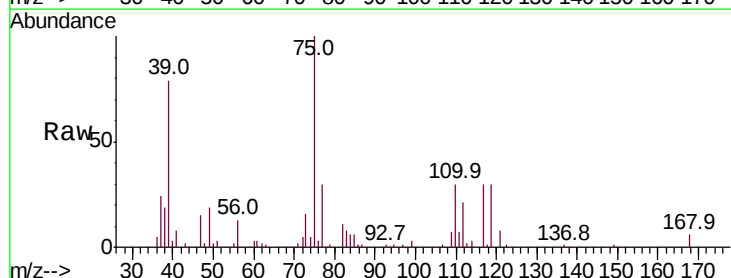
Tgt Ion: 75 Resp: 242548

Ion Ratio Lower Upper

75 100

110 30.0 15.0 45.1

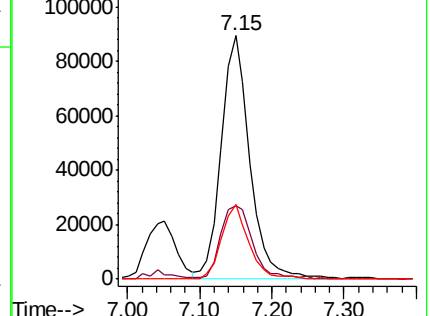
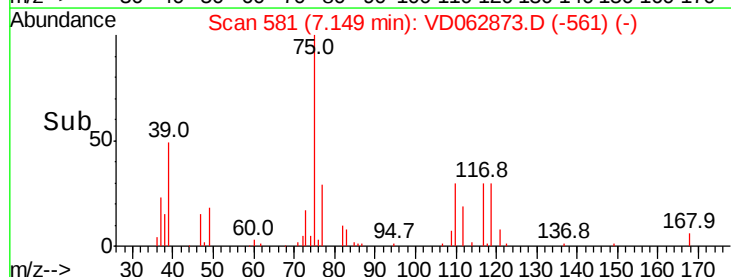
77 30.4 22.2 33.2

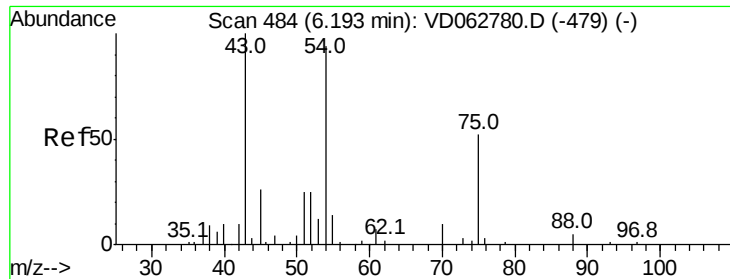


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

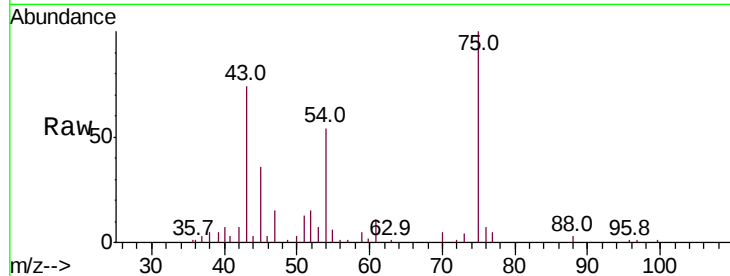




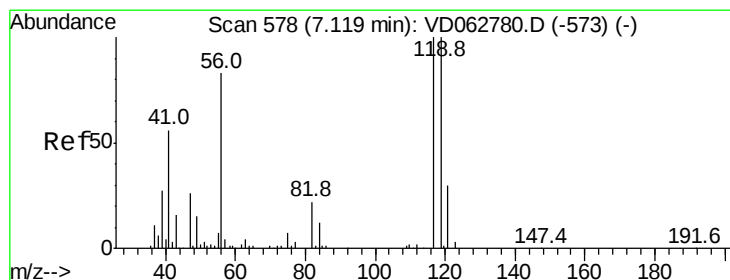
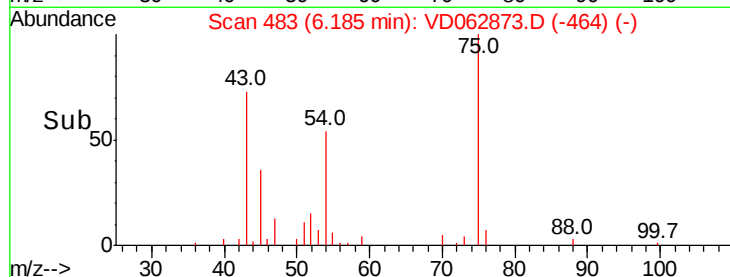
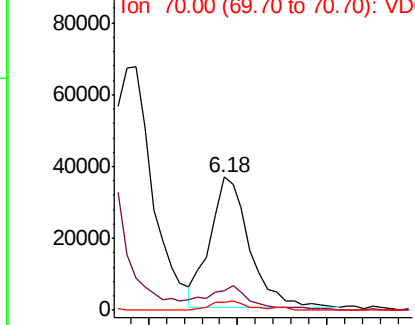
#37
Ethyl Acetate
Concen: 23.193 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion: 43 Resp: 111840
Ion Ratio Lower Upper
43 100
61 14.3 11.6 17.4
70 6.2 6.4 9.6#

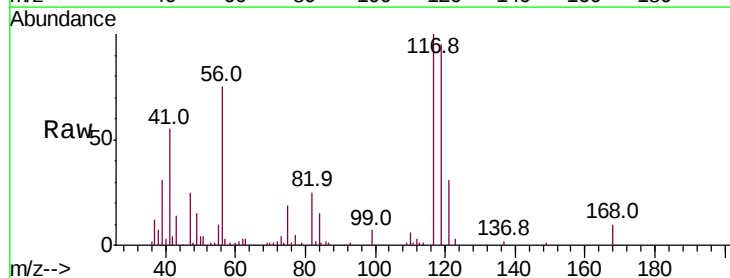


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

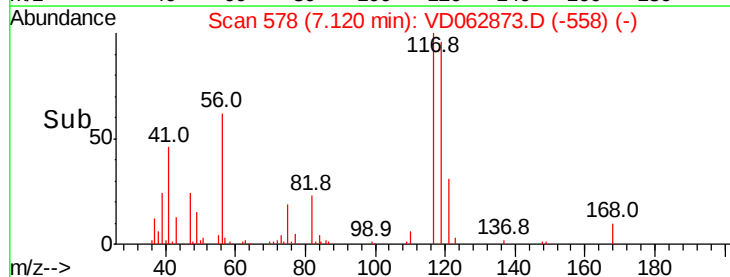
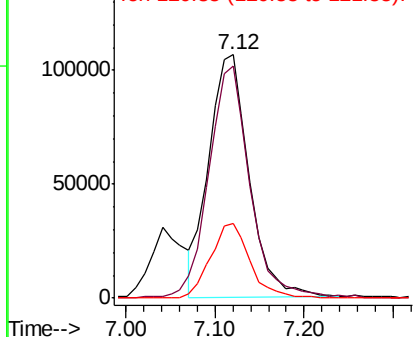


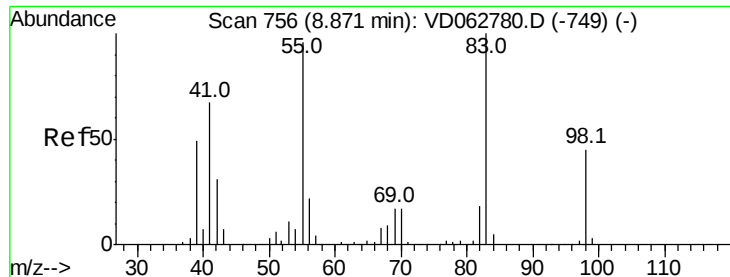
#38
Carbon Tetrachloride
Concen: 19.854 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 117 Resp: 334256
Ion Ratio Lower Upper
117 100
119 95.2 75.4 113.2
121 30.7 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

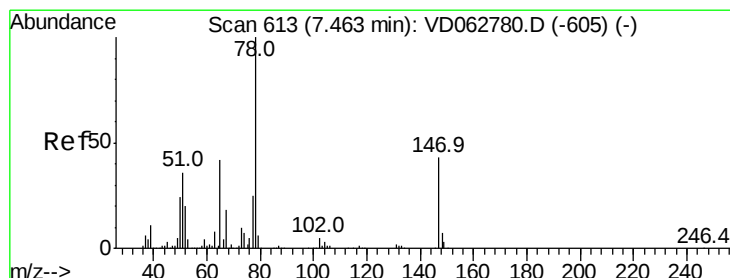
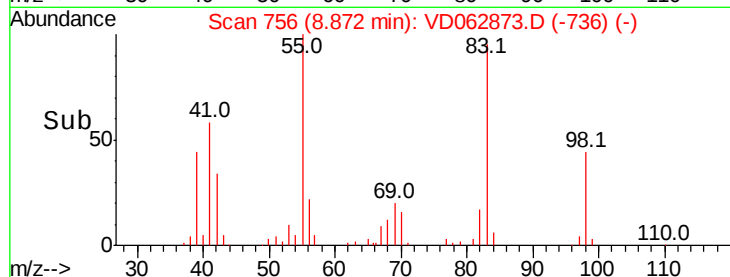
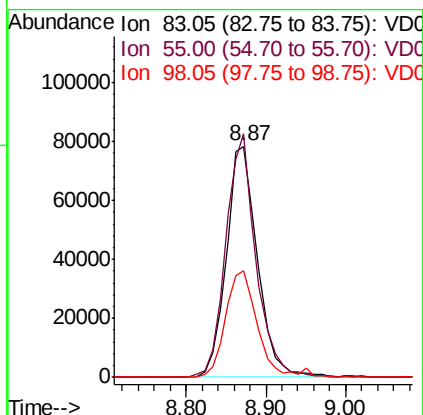
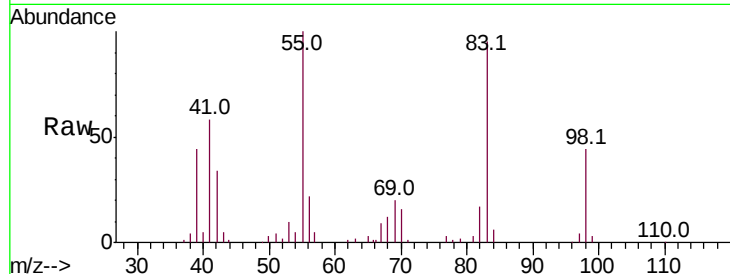




#39
Methvlcvclohexane
Concen: 21.736 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

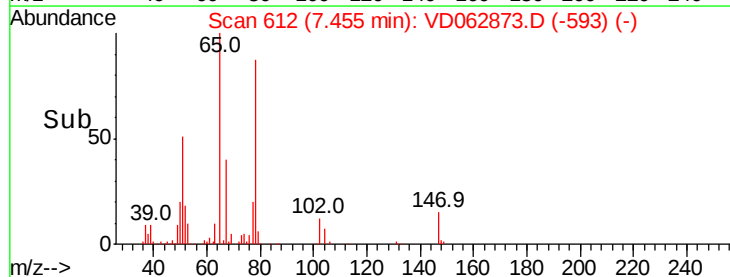
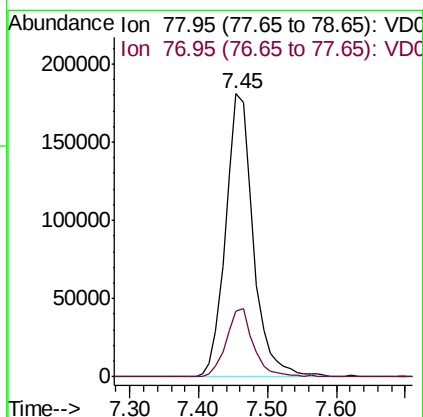
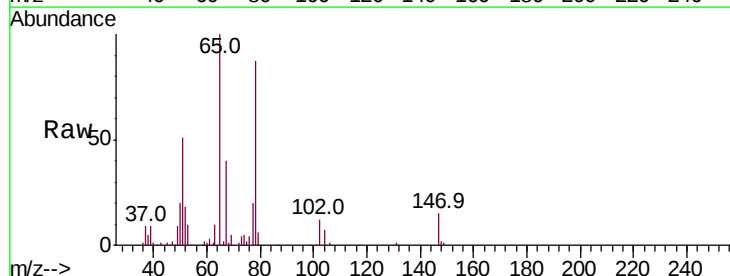
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

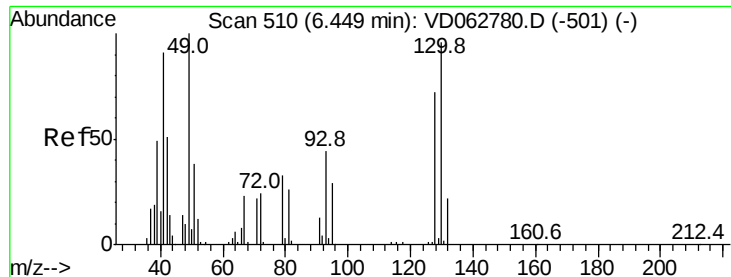
Tot Ion: 83 Resp: 214181
Ion Ratio Lower Upper
83 100
55 105.4 76.6 115.0
98 46.4 35.7 53.5



#40
Benzene
Concen: 22.356 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 78 Resp: 502333
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2

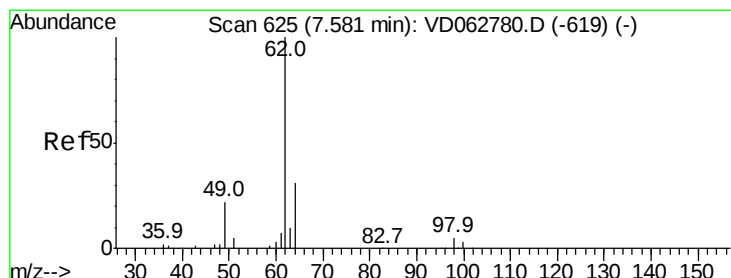
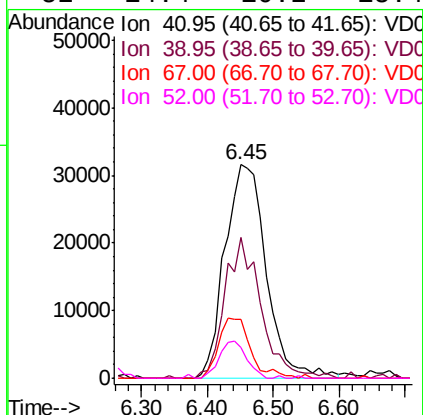
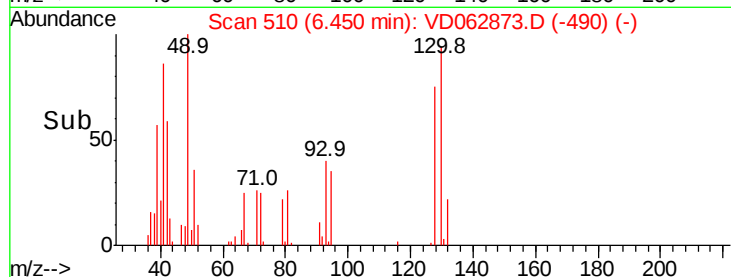
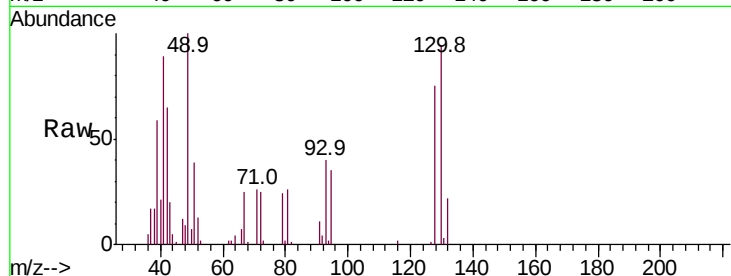




#41
Methacrylonitrile
Concen: 23.557 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

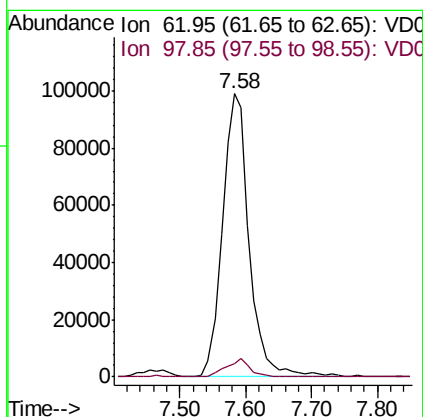
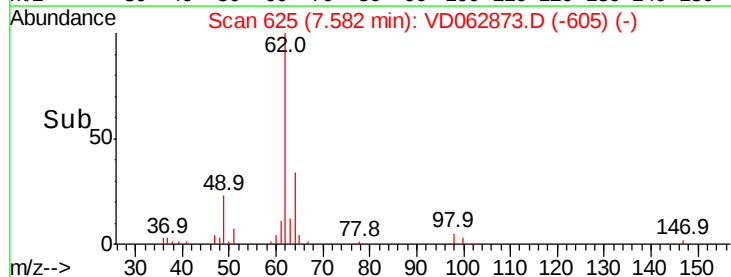
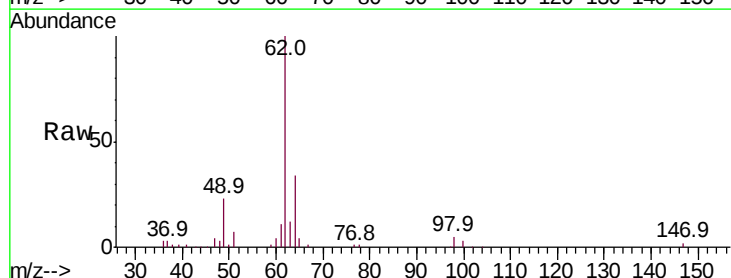
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

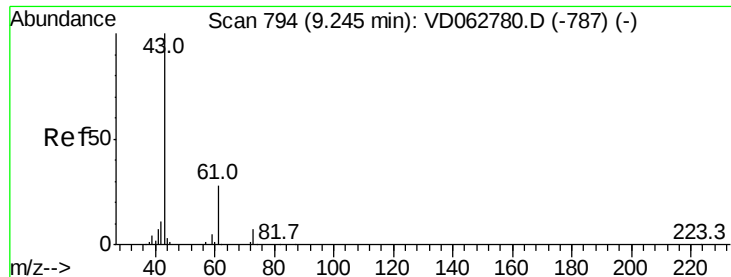
Tot Ion: 41 Resp: 139067
Ion Ratio Lower Upper
41 100
39 66.1 43.2 64.8#
67 27.7 19.9 29.9
52 14.4 10.2 15.4



#42
1,2-Dichloroethane
Concen: 22.688 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 62 Resp: 278113
Ion Ratio Lower Upper
62 100
98 4.9 0.0 10.0



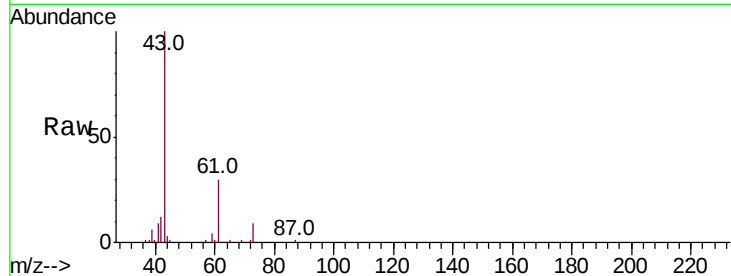


#43

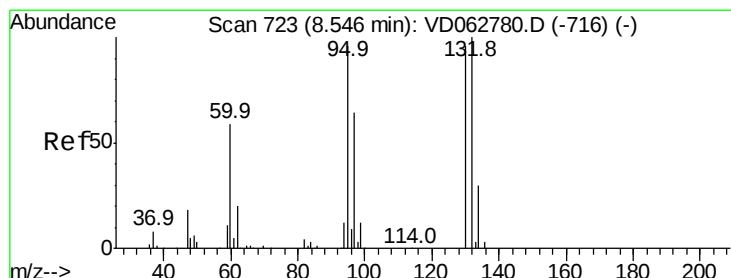
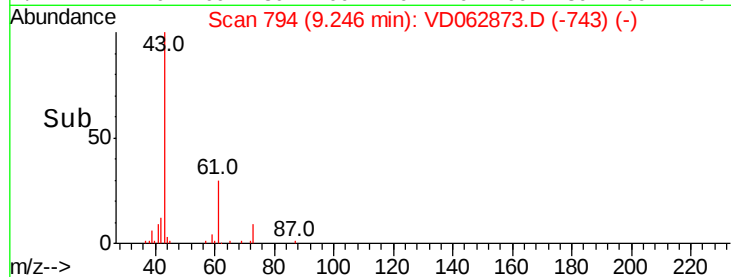
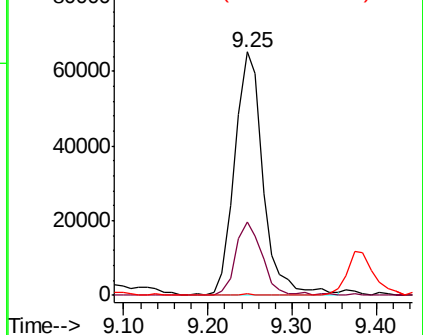
Isopropyl Acetate
 Concen: 26.183 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion: 43 Resp: 153663
 Ion Ratio Lower Upper
 43 100
 61 30.1 22.4 33.6
 87 0.5 0.3 0.5#



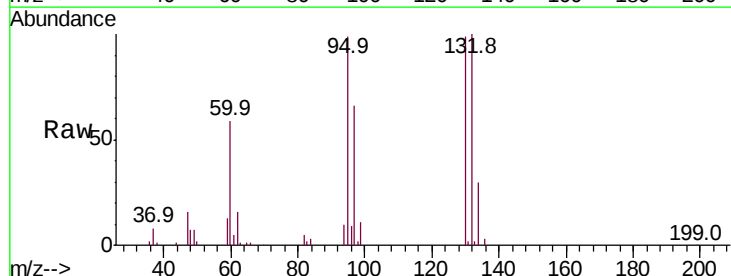
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



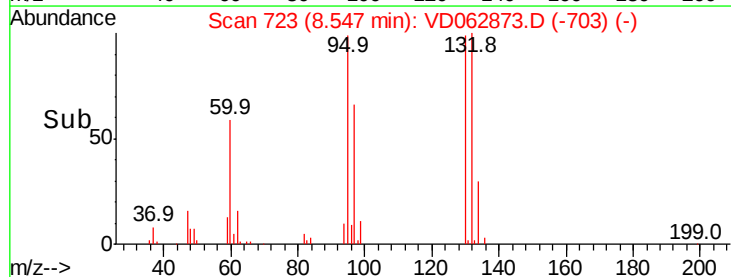
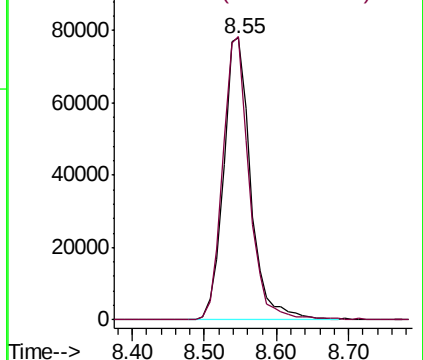
#44

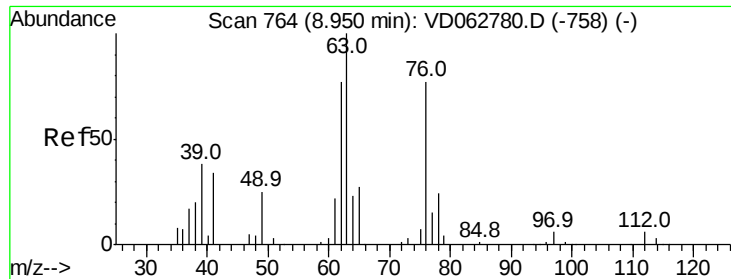
Trichloroethene
 Concen: 22.997 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion:130 Resp: 202583
 Ion Ratio Lower Upper
 130 100
 95 100.5 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: 20.553 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

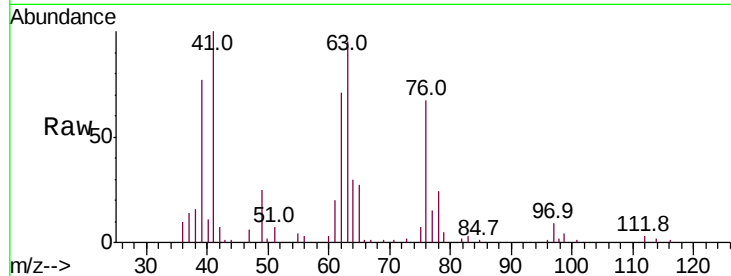
VD0625SBSD01

Tot Ion: 63 Resp: 114837

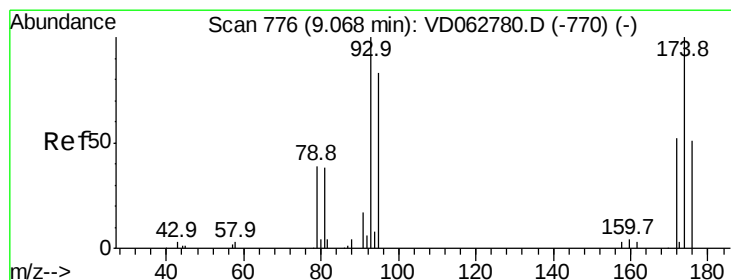
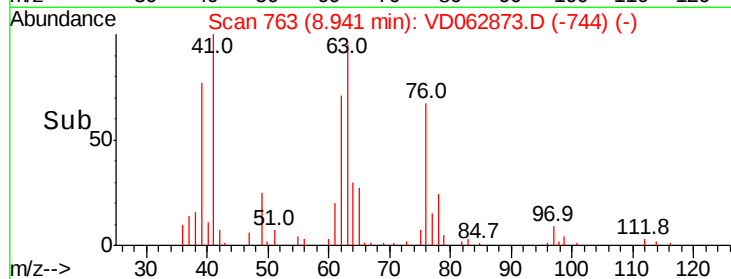
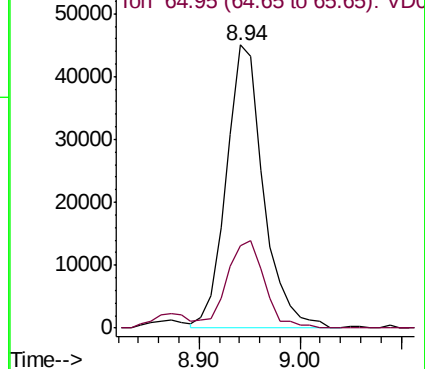
Ion Ratio Lower Upper

63 100

65 28.9 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC



#46

Dibromomethane

Concen: 22.450 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

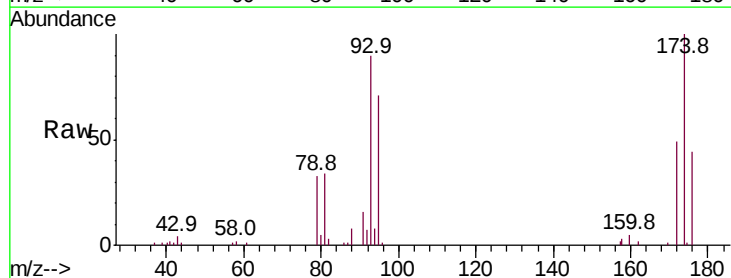
Tgt Ion: 93 Resp: 107753

Ion Ratio Lower Upper

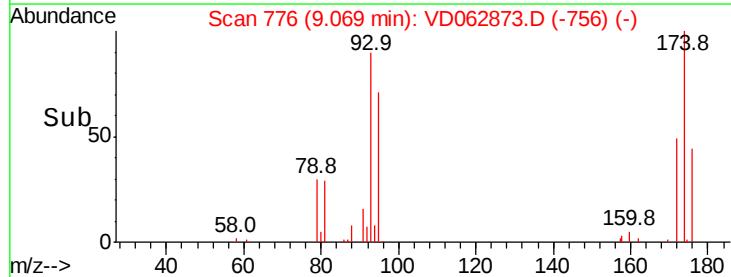
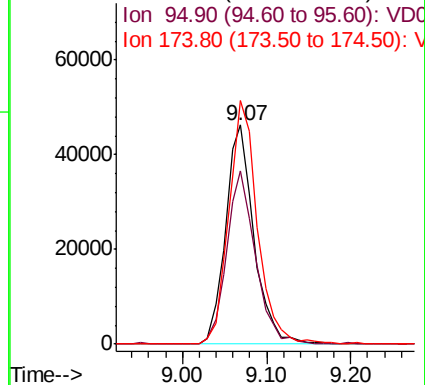
93 100

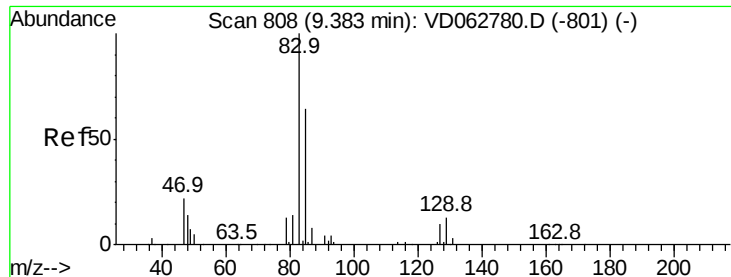
95 79.2 66.6 100.0

174 111.2 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC





#47

Bromodichloromethane

Concen: 21.263 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

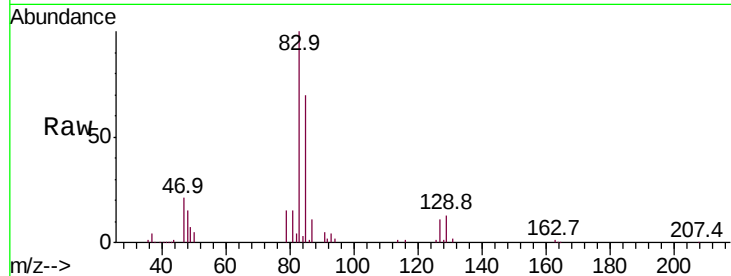
Tot Ion: 83 Resp: 265047

Ion Ratio Lower Upper

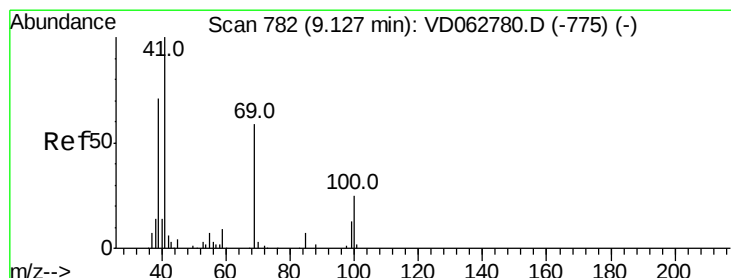
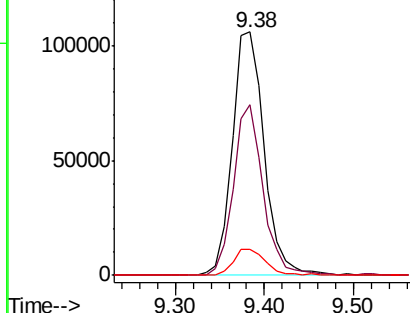
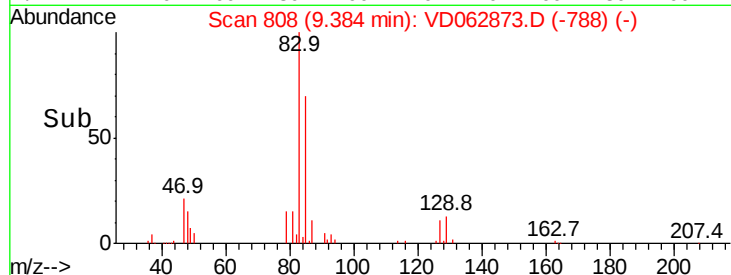
83 100

85 69.8 51.6 77.4

127 10.7 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: 24.467 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

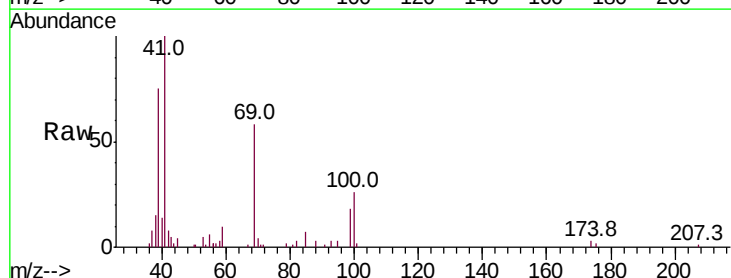
Tgt Ion: 41 Resp: 102039

Ion Ratio Lower Upper

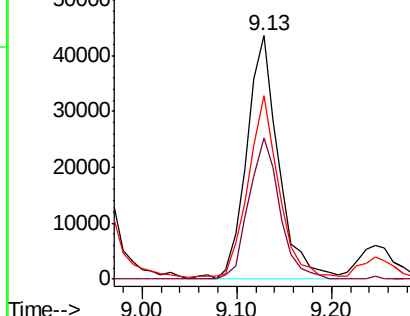
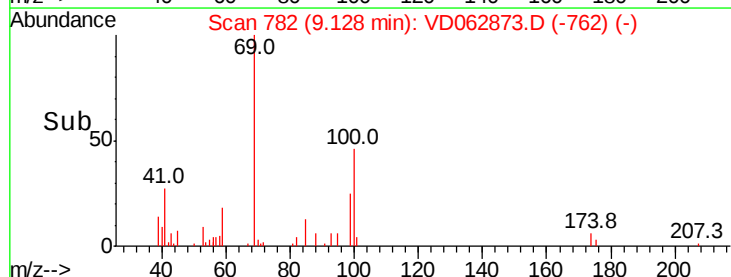
41 100

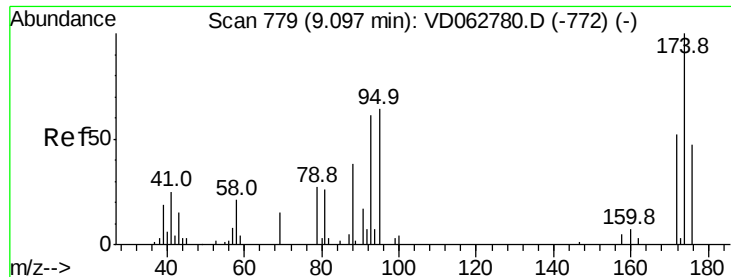
69 58.0 47.2 70.8

39 75.3 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

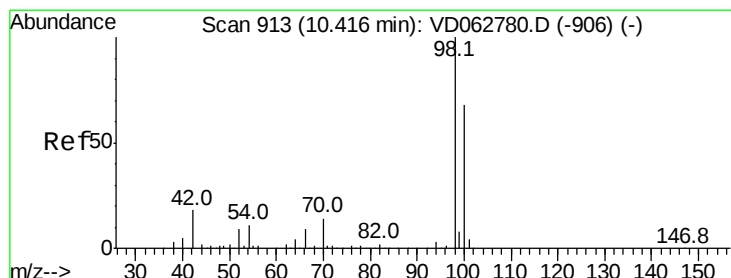
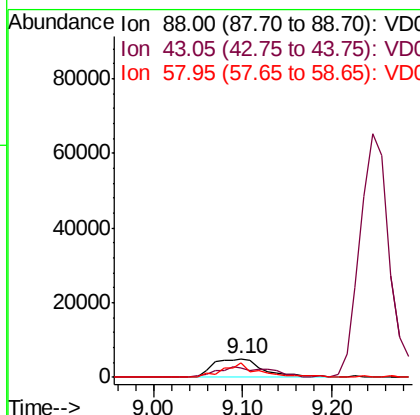
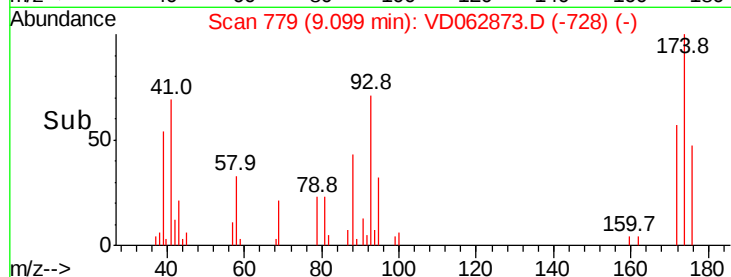
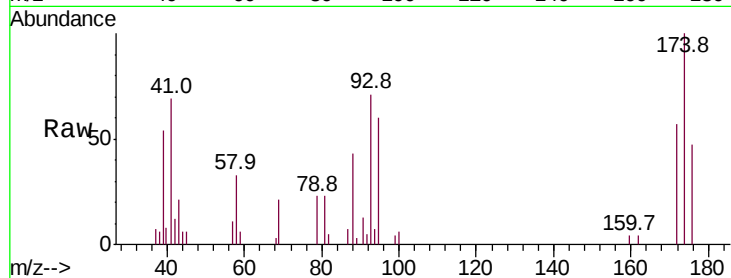




#49
 1,4-Dioxane
 Concen: 553.762 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

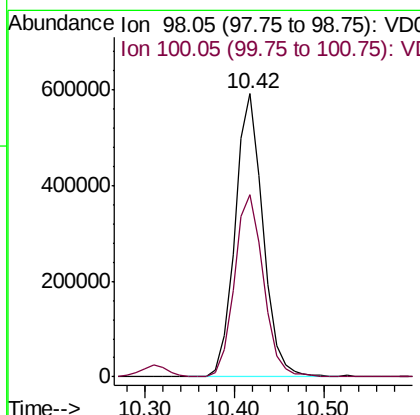
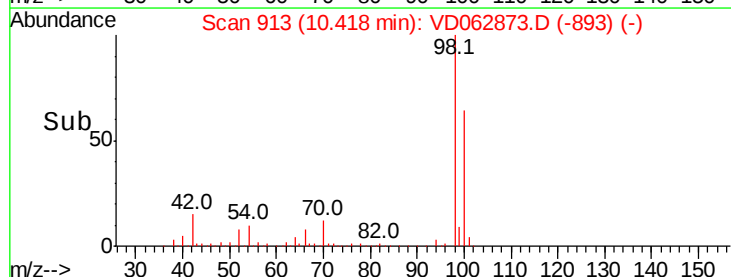
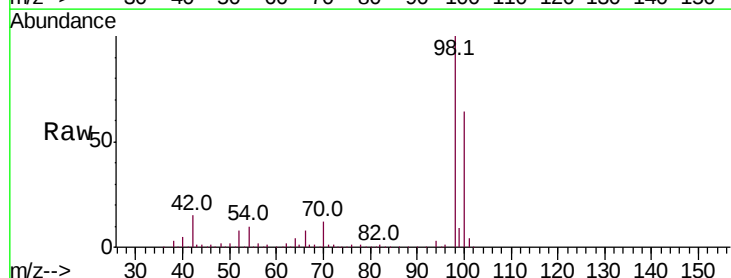
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

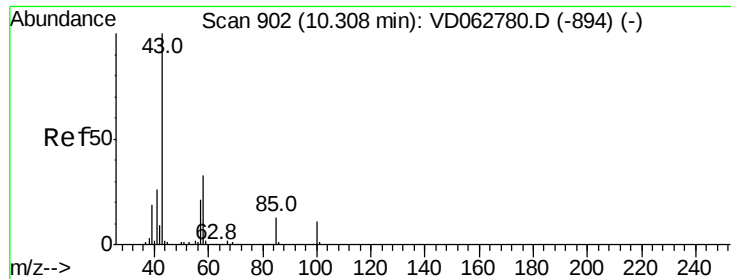
Tot Ion: 88 Resp: 19214
 Ion Ratio Lower Upper
 88 100
 43 48.4 32.1 48.1#
 58 76.5 44.1 66.1#



#50
 Toluene-d8
 Concen: 59.436 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion: 98 Resp: 1289835
 Ion Ratio Lower Upper
 98 100
 100 64.4 54.7 82.1

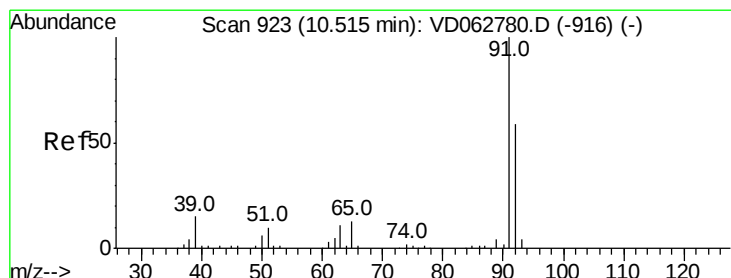
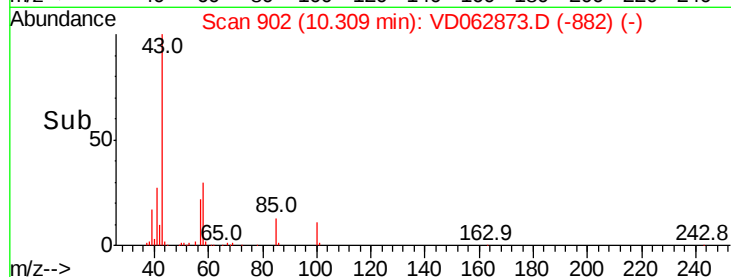
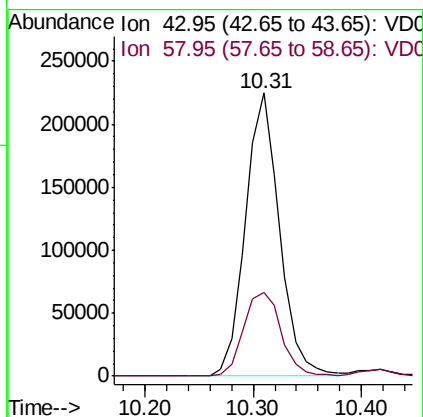
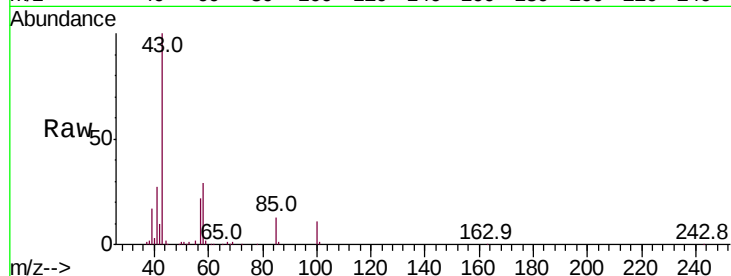




#51
4-Methyl-2-Pentanone
Concen: 118.109 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

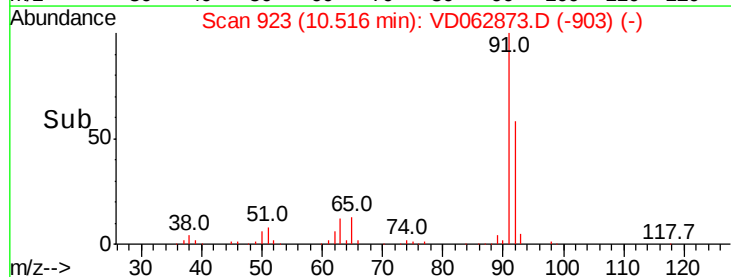
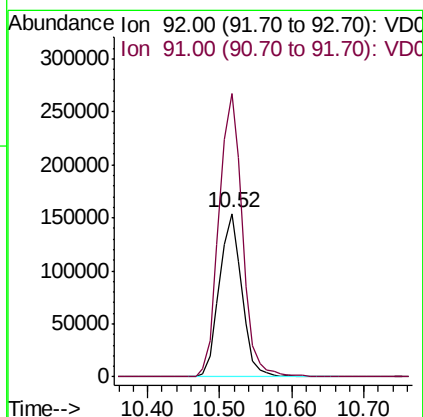
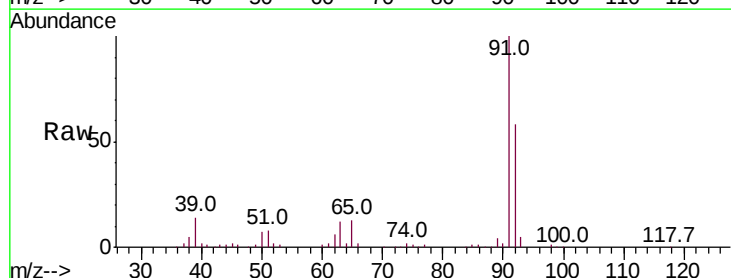
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

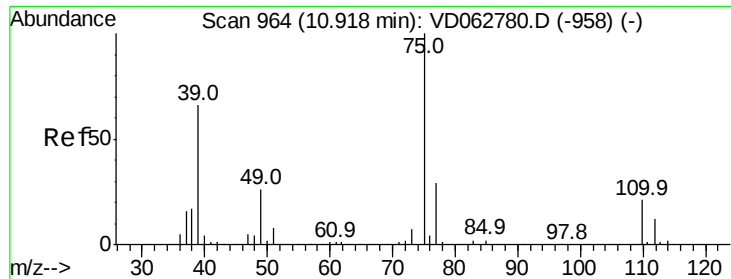
Tot Ion: 43 Resp: 491440
Ion Ratio Lower Upper
43 100
58 29.5 26.6 40.0



#52
Toluene
Concen: 22.002 ug/l
RT: 10.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 92 Resp: 332330
Ion Ratio Lower Upper
92 100
91 172.9 136.3 204.5

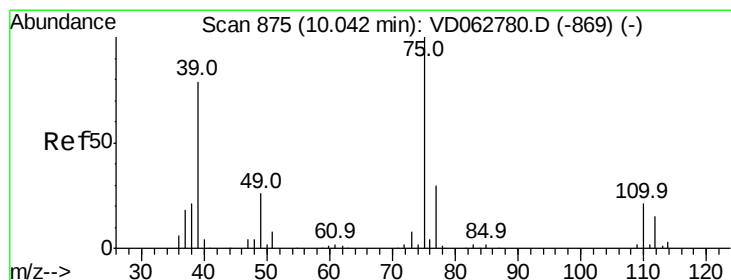
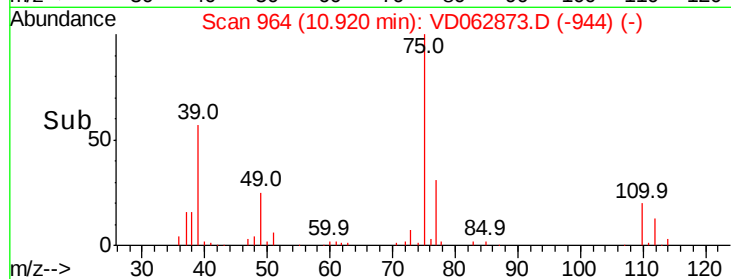
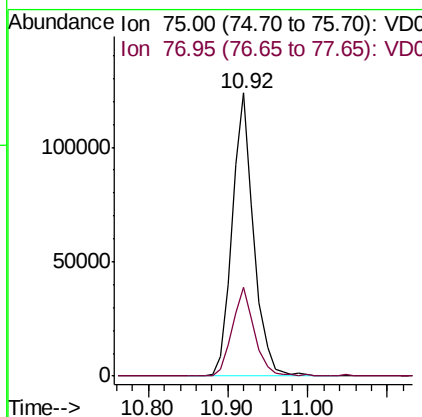
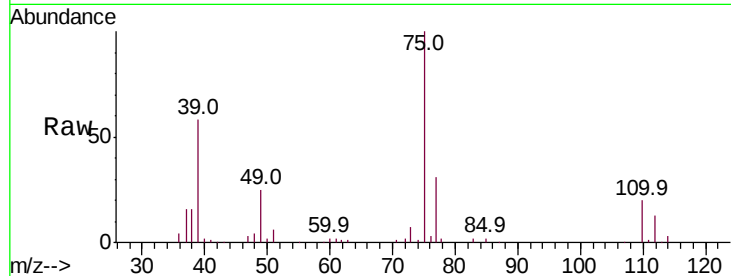




#53
t-1,3-Dichloropropene
Concen: 22.828 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

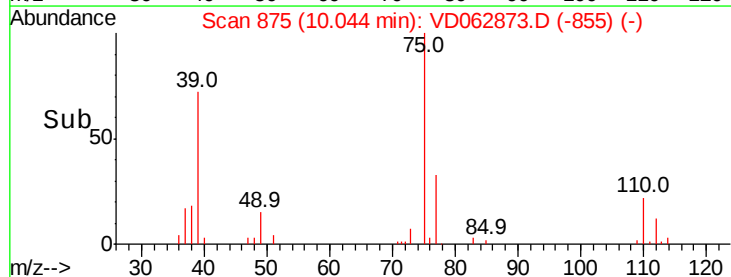
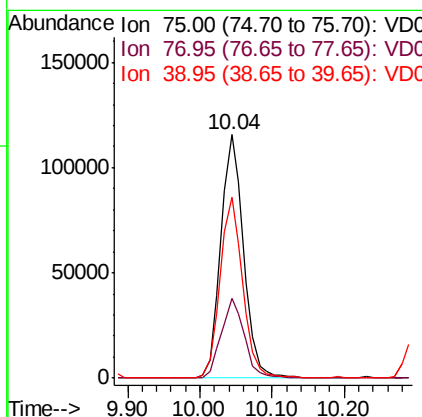
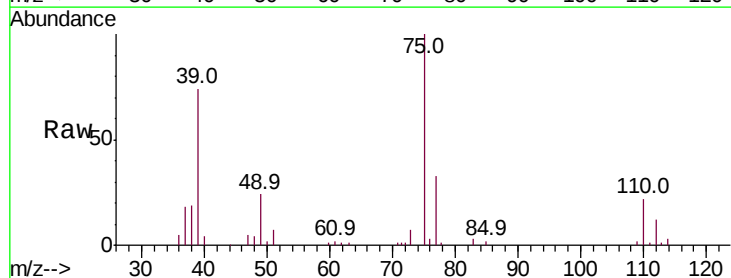
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

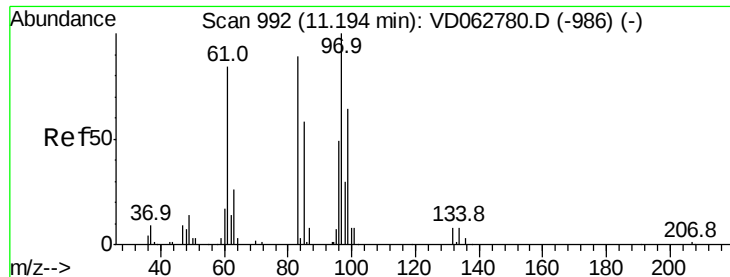
Tot Ion: 75 Resp: 232900
Ion Ratio Lower Upper
75 100
77 31.3 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 22.751 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 75 Resp: 252291
Ion Ratio Lower Upper
75 100
77 33.0 24.2 36.2
39 74.4 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 21.675 ug/l

RT: 11.20 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

Tot Ion: 97 Resp: 112479

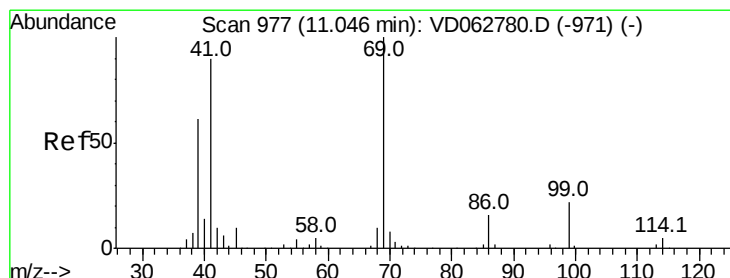
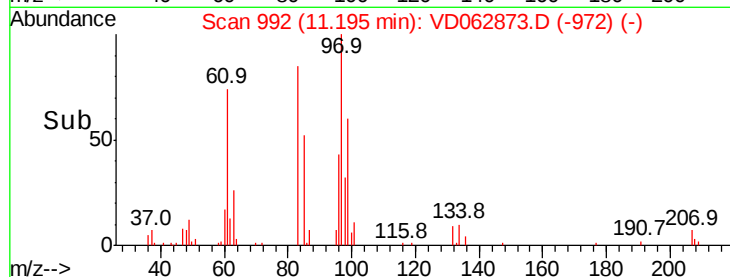
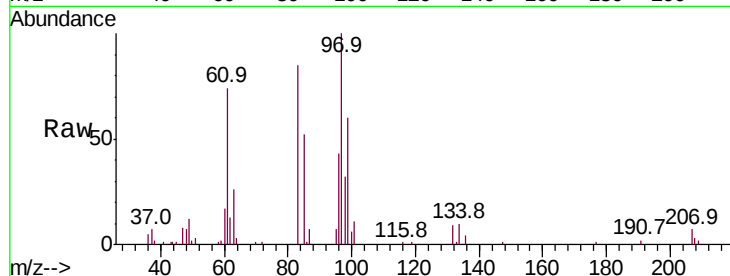
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.0	106.4
85	52.1	46.6	69.8
99	60.5	51.4	77.0

97 100

83 85.5 71.0 106.4

85 52.1 46.6 69.8

99 60.5 51.4 77.0



#56

Ethyl methacrylate

Concen: 23.756 ug/l

RT: 11.05 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

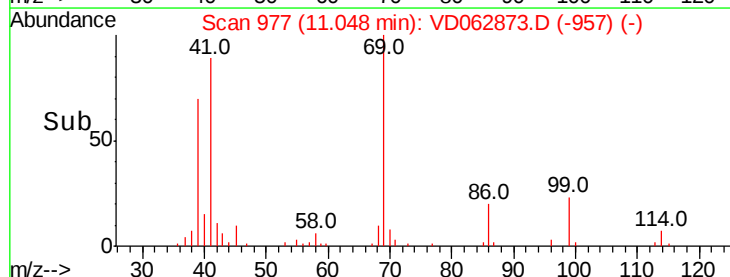
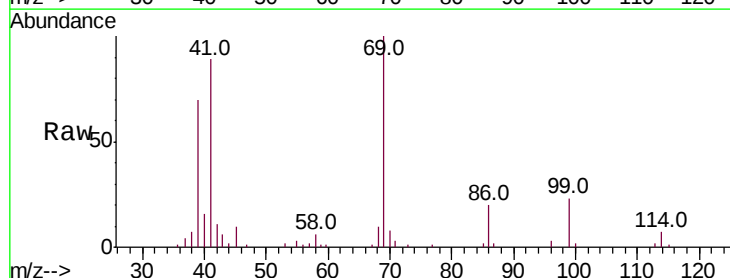
Tgt Ion: 69 Resp: 131748

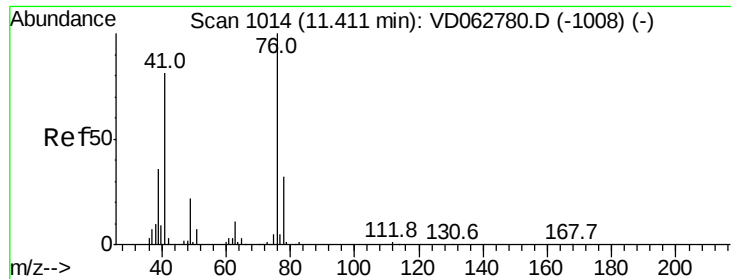
Ion	Ratio	Lower	Upper
69	100		
41	89.1	72.0	108.0
39	69.8	49.5	74.3

69 100

41 89.1 72.0 108.0

39 69.8 49.5 74.3

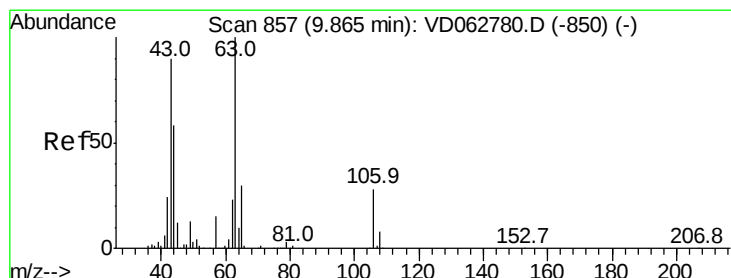
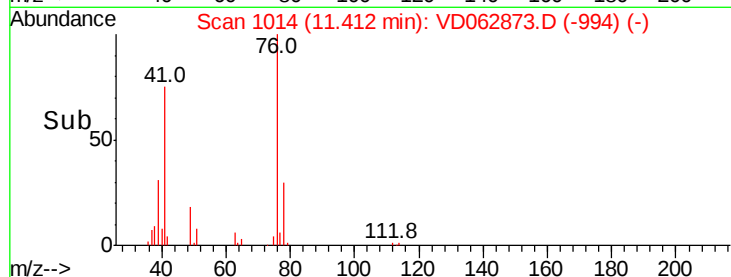
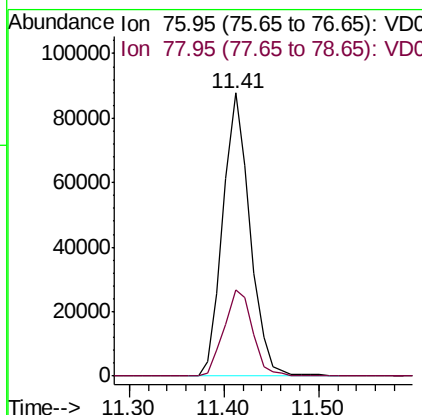
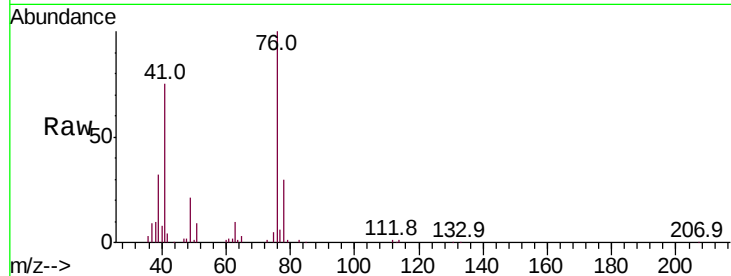




#57
 1,3-Dichloropropane
 Concen: 21.897 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

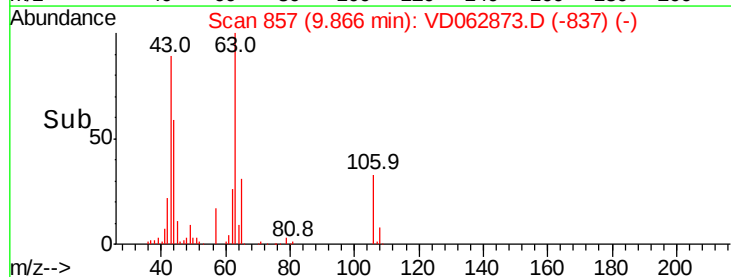
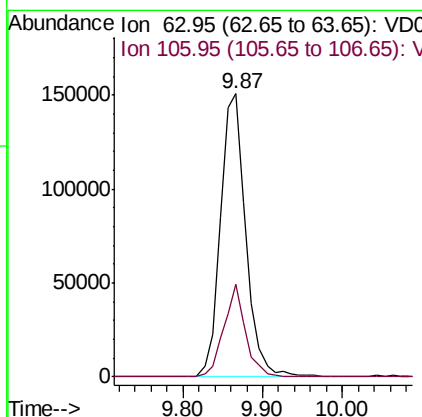
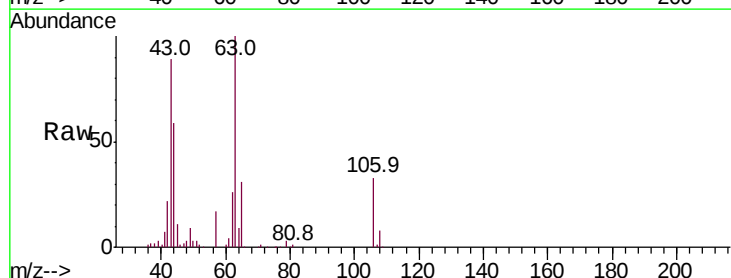
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

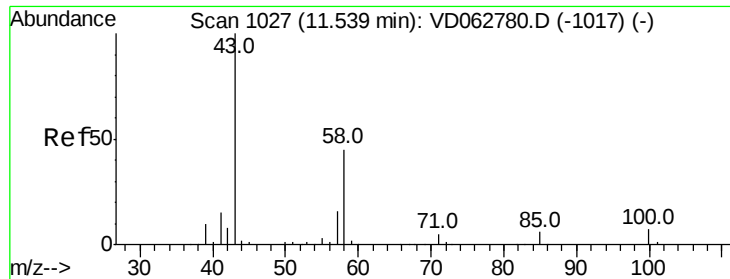
Tot Ion: 76 Resp: 173991
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.147 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion: 63 Resp: 336379
 Ion Ratio Lower Upper
 63 100
 106 32.5 22.1 33.1





#59

2-Hexanone

Concen: 131.639 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

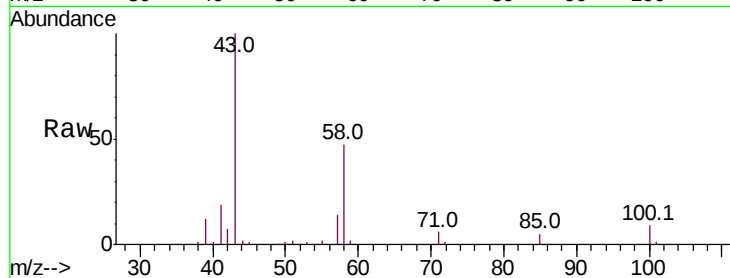
VD0625SBSD01

Tot Ion: 43 Resp: 390092

Ion Ratio Lower Upper

43 100

58 47.4 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-1017) (-)

Ion 57.95 (57.65 to 58.65): VD062780.D (-1017) (-)

11.54

200000

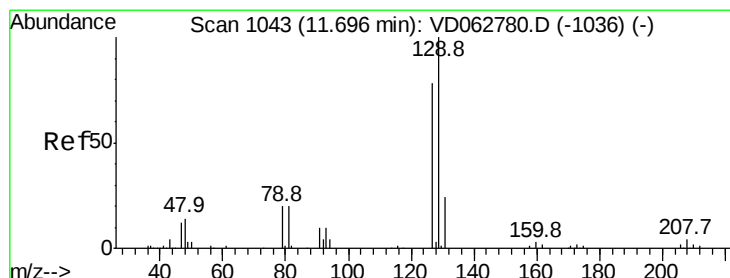
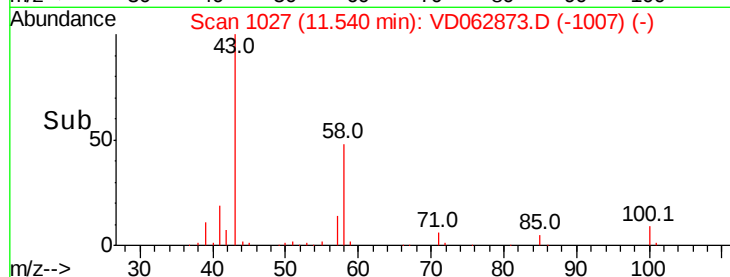
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 22.497 ug/l

RT: 11.69 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD062873.D

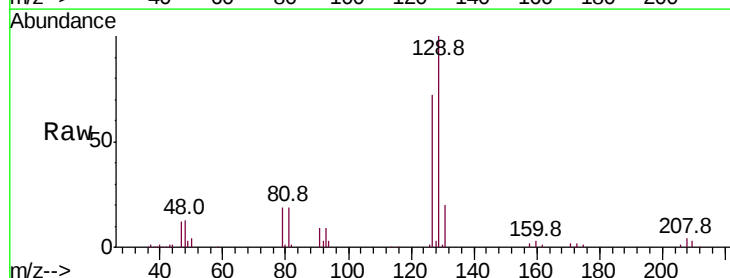
Acq: 25 Jun 2019 12:31

Tgt Ion: 129 Resp: 217453

Ion Ratio Lower Upper

129 100

127 71.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): VD062780.D (-1036) (-)

Ion 126.80 (126.50 to 127.50): VD062780.D (-1036) (-)

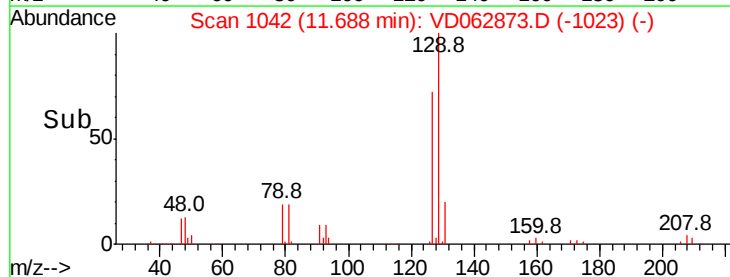
11.69

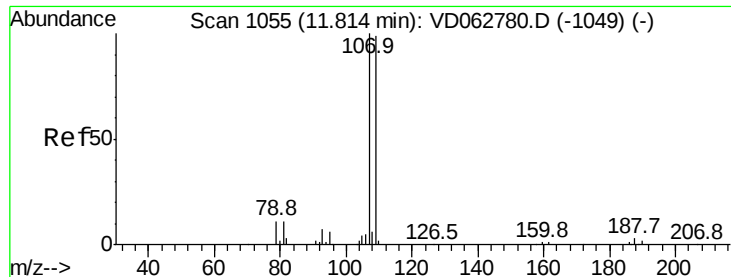
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 24.655 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

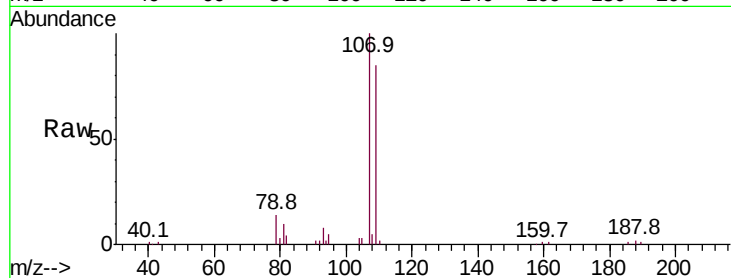
VD0625SBSD01

Tot Ion:107 Resp: 151108

Ion Ratio Lower Upper

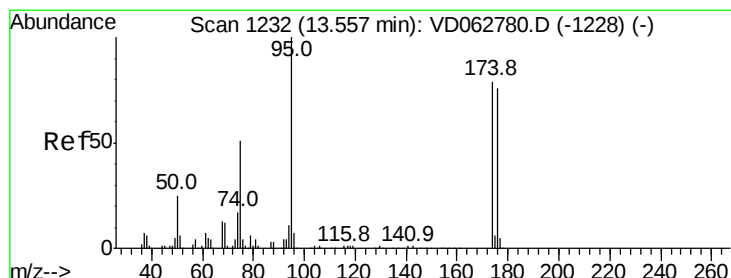
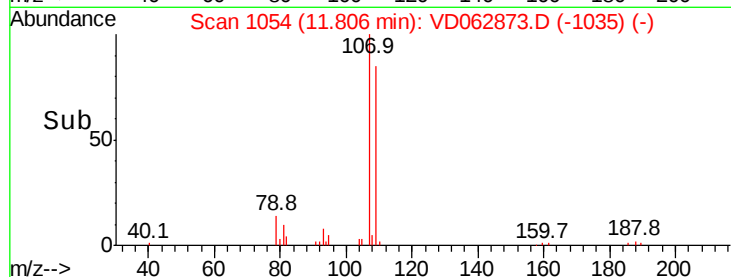
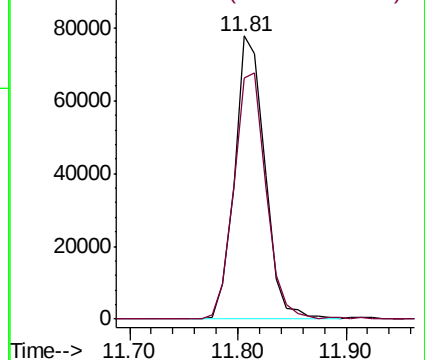
107 100

109 85.3 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.894 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

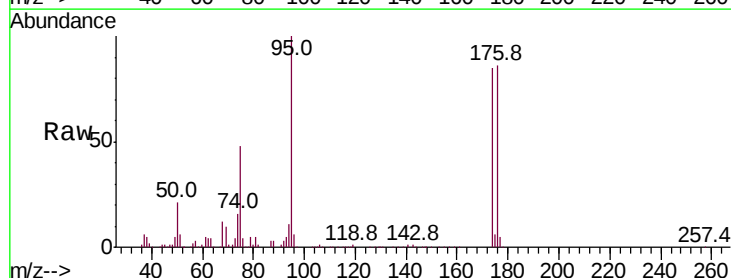
Tgt Ion: 95 Resp: 551548

Ion Ratio Lower Upper

95 100

174 84.7 0.0 158.0

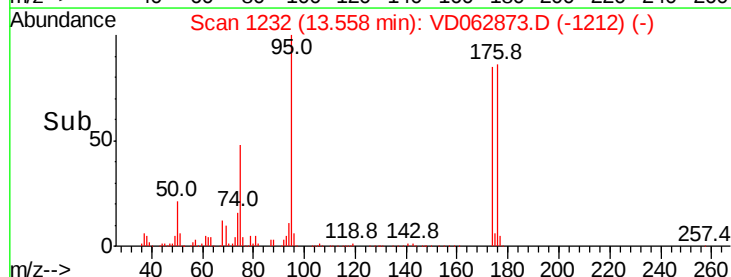
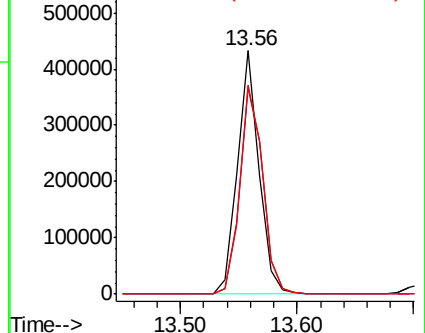
176 85.9 0.0 151.6

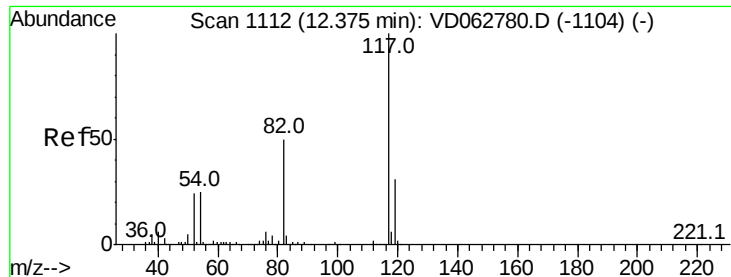


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

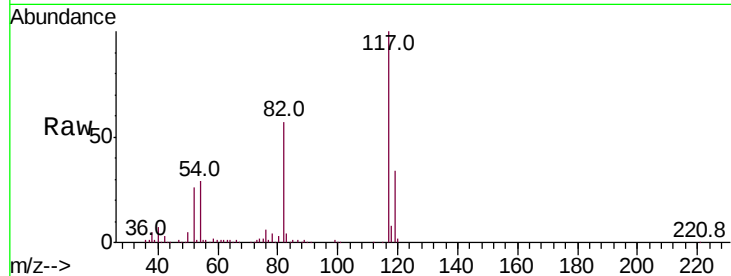




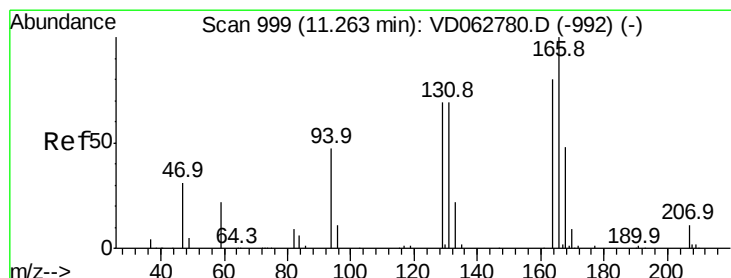
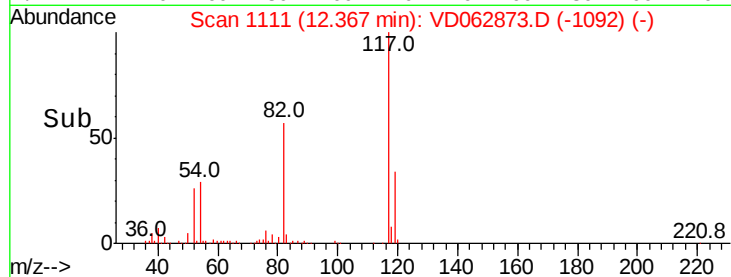
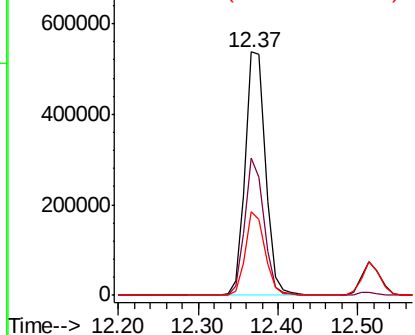
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion:117 Resp: 948807
Ion Ratio Lower Upper
117 100
82 56.6 40.4 60.6
119 34.2 25.2 37.8

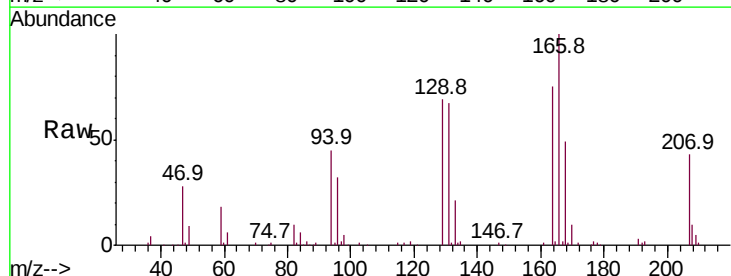


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

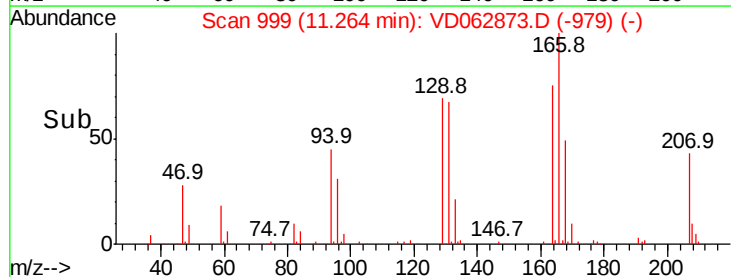
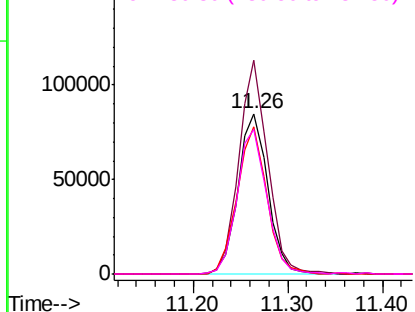


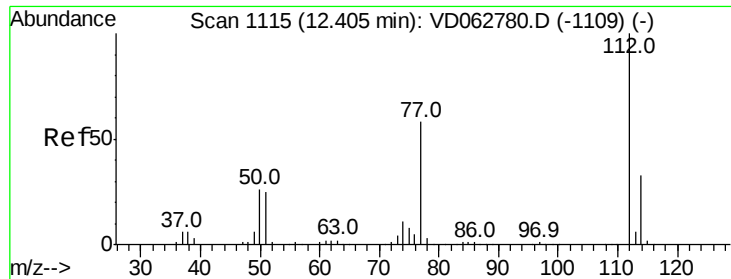
#64
Tetrachloroethene
Concen: 23.569 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion:164 Resp: 184046
Ion Ratio Lower Upper
164 100
166 133.4 100.6 150.8
129 92.2 69.4 104.0
131 90.0 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

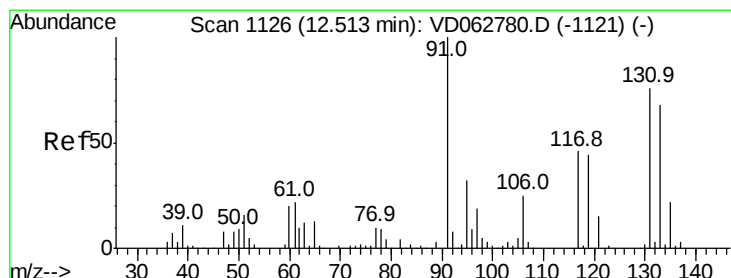
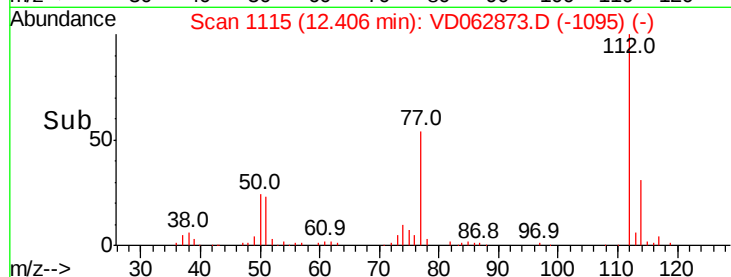
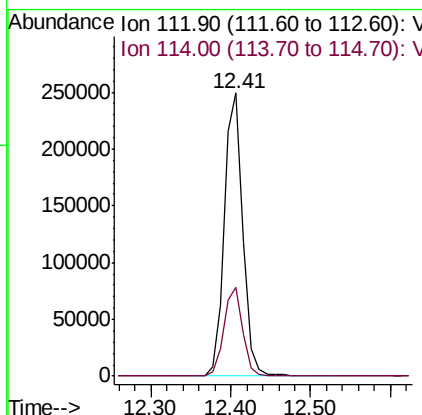
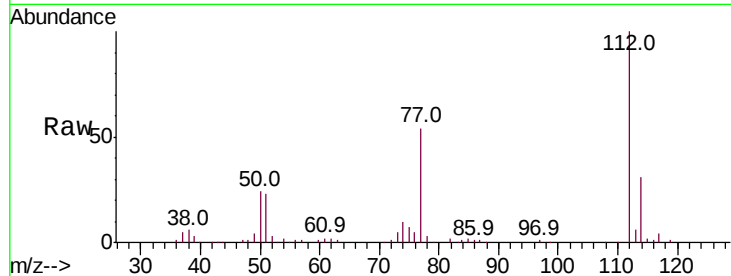




#65
Chlorobenzene
Concen: 23.130 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

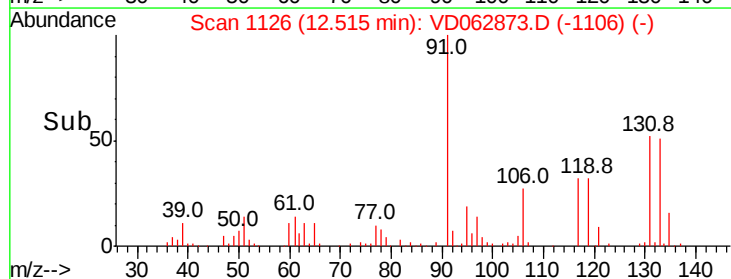
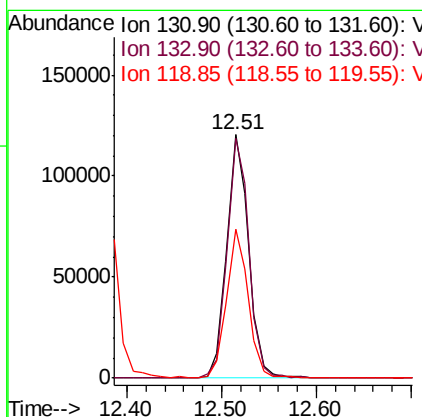
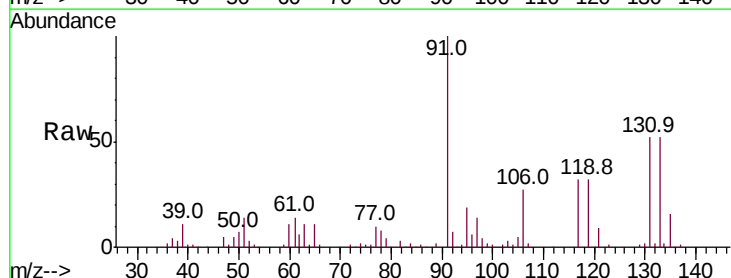
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

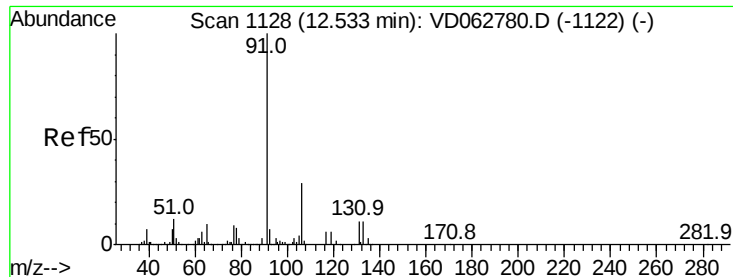
Tot Ion:112 Resp: 407298
Ion Ratio Lower Upper
112 100
114 31.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 23.366 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion:131 Resp: 192415
Ion Ratio Lower Upper
131 100
133 98.6 44.5 133.3
119 61.1 28.6 85.9

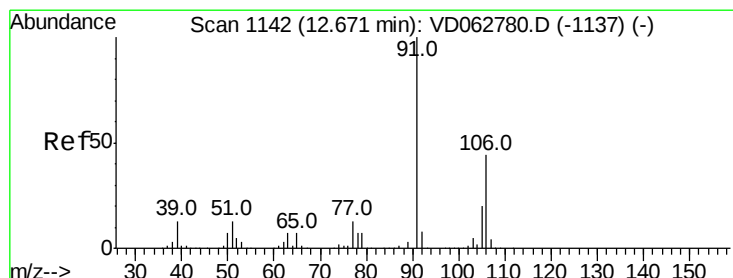
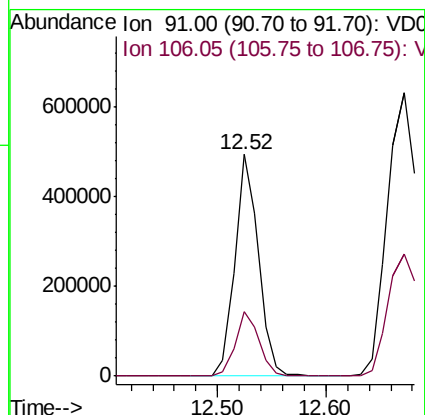
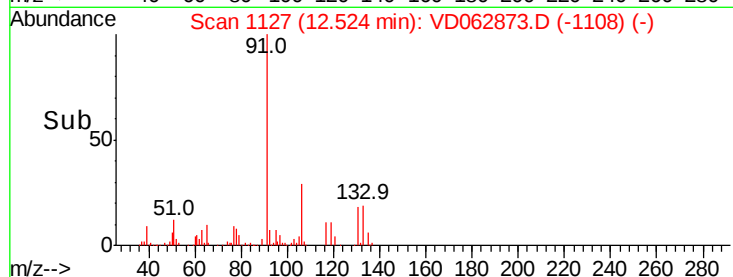
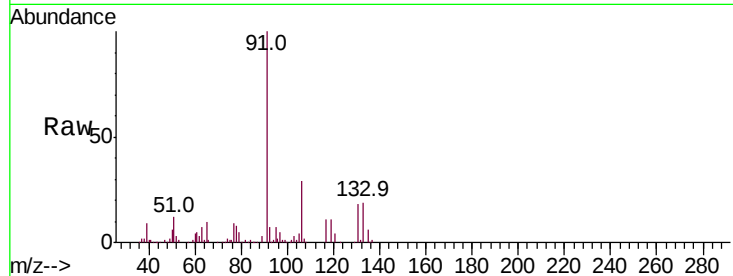




#67
Ethyl Benzene
Concen: 23.724 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

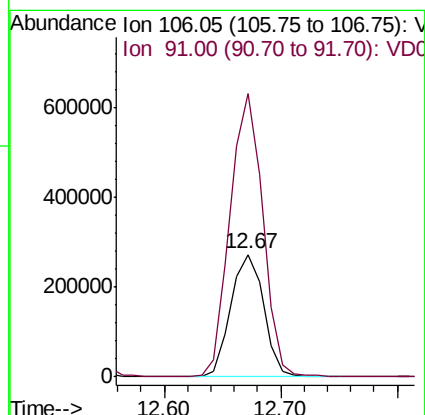
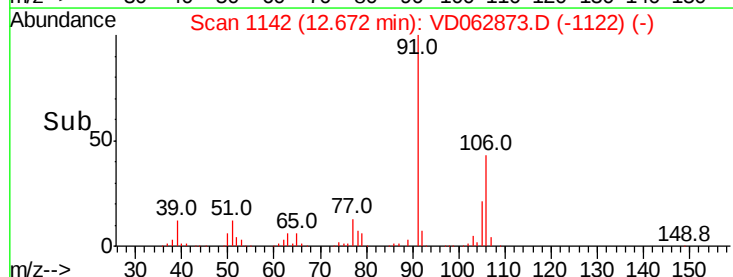
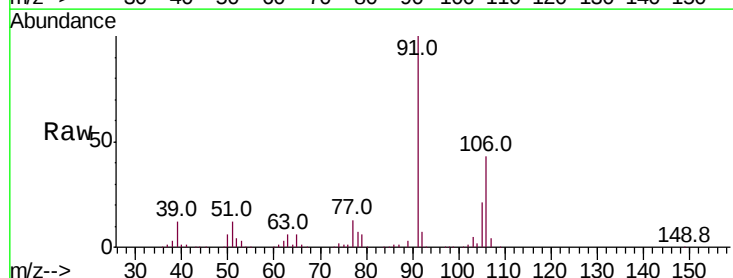
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

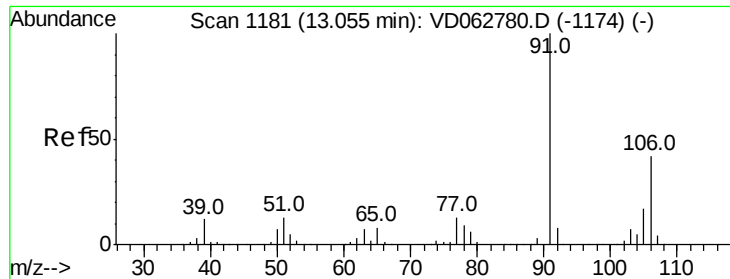
Tot Ion: 91 Resp: 750031
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 48.737 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 106 Resp: 536652
Ion Ratio Lower Upper
106 100
91 230.6 183.0 274.6

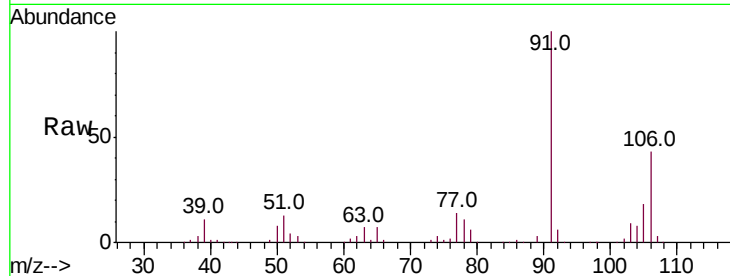




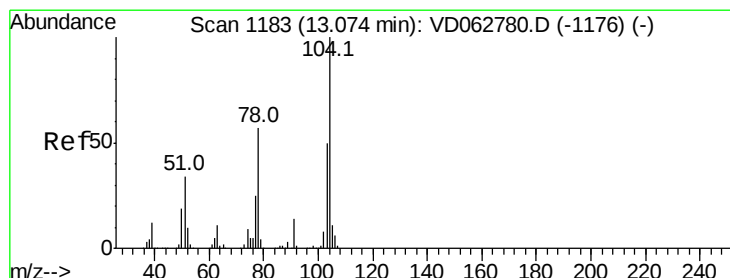
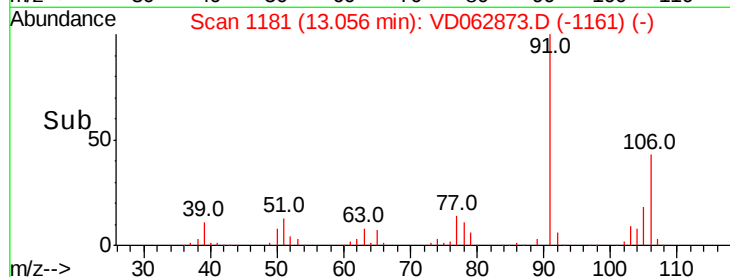
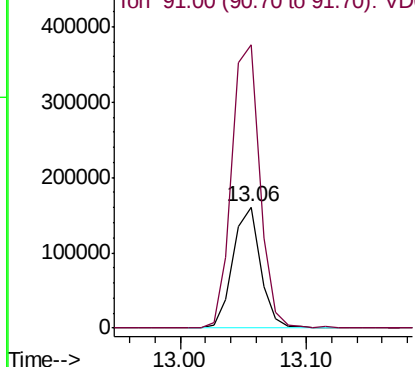
#69
o-Xylene
Concen: 24.005 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion:106 Resp: 241634
Ion Ratio Lower Upper
106 100
91 233.1 117.9 353.6

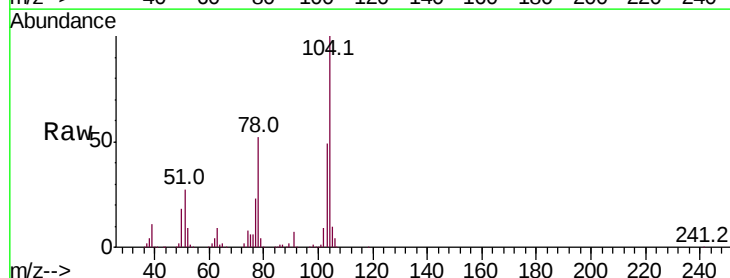


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

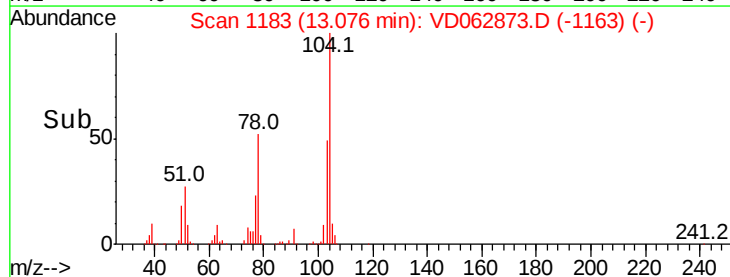
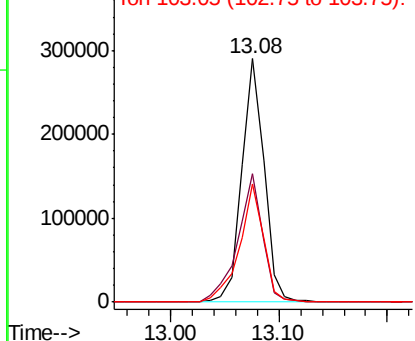


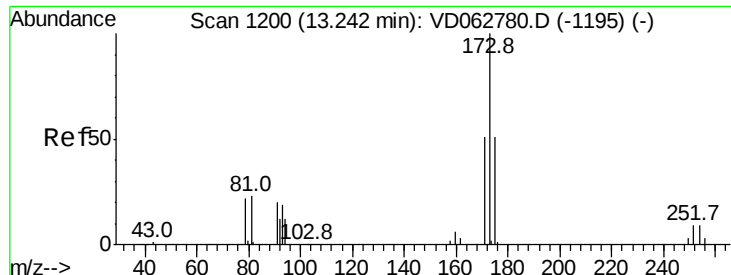
#70
Styrene
Concen: 23.569 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion:104 Resp: 416697
Ion Ratio Lower Upper
104 100
78 52.5 45.4 68.2
103 48.8 39.7 59.5



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





#71

Bromoform

Concen: 23.757 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

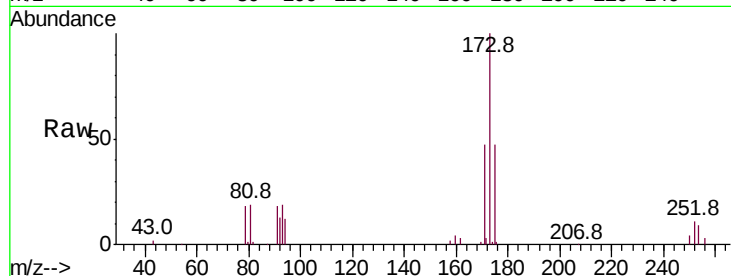
Tot Ion:173 Resp: 134039

Ion Ratio Lower Upper

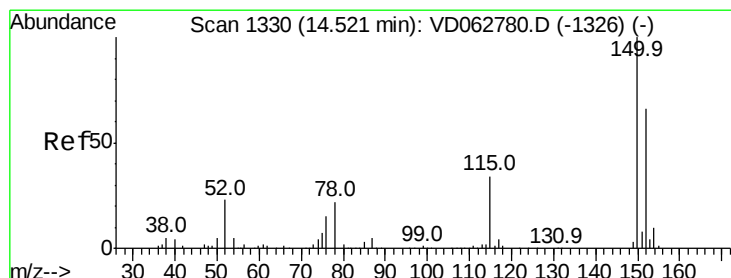
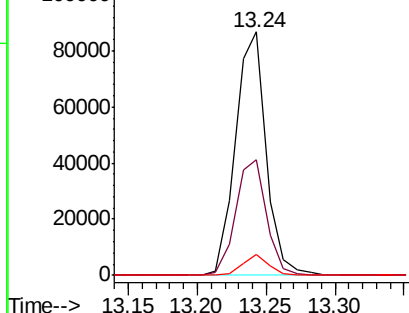
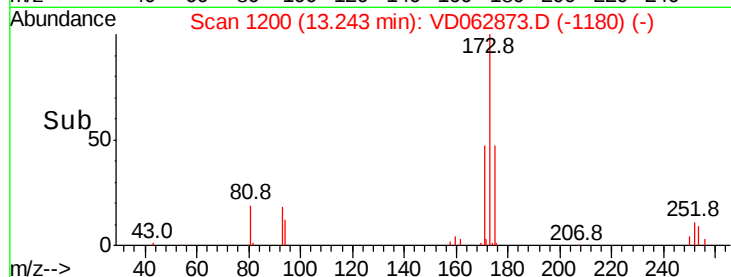
173 100

175 47.2 25.3 75.9

254 8.6 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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

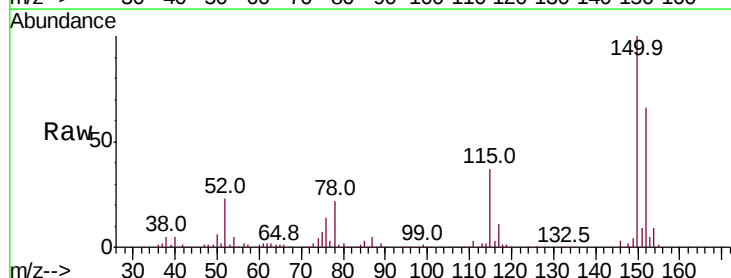
Tgt Ion:152 Resp: 544087

Ion Ratio Lower Upper

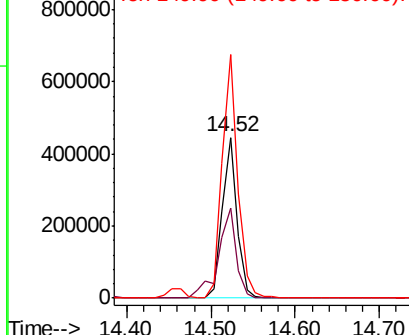
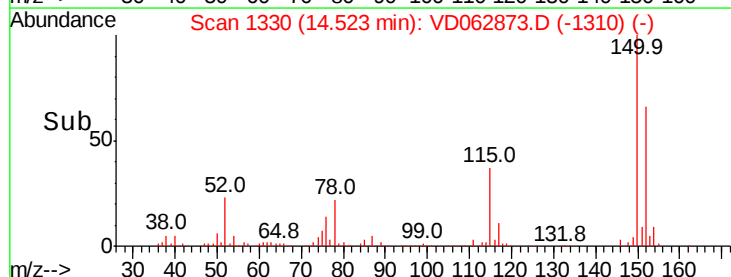
152 100

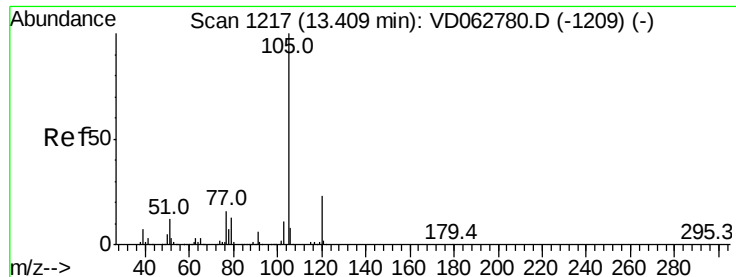
115 55.7 29.2 87.6

150 151.3 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: 21.471 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

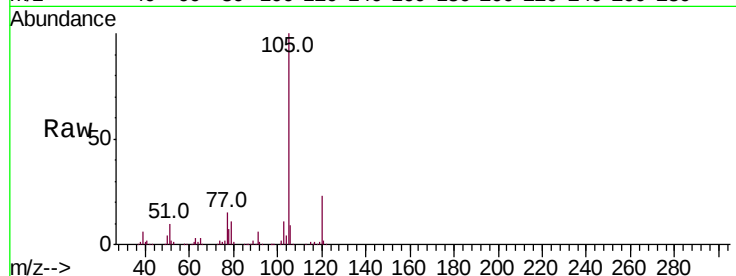
VD0625SBSD01

Tot Ion:105 Resp: 749037

Ion Ratio Lower Upper

105 100

120 22.8 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

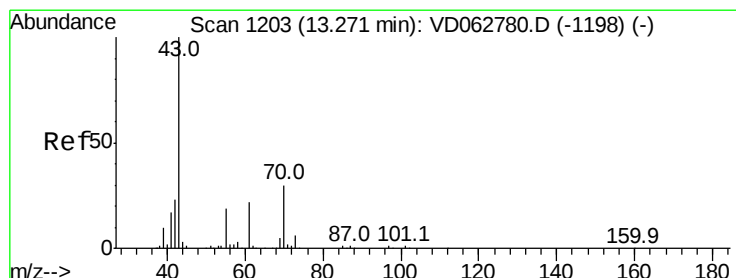
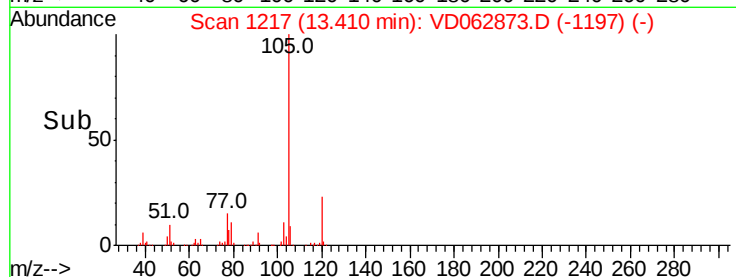
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.804 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Tgt Ion: 43 Resp: 193191

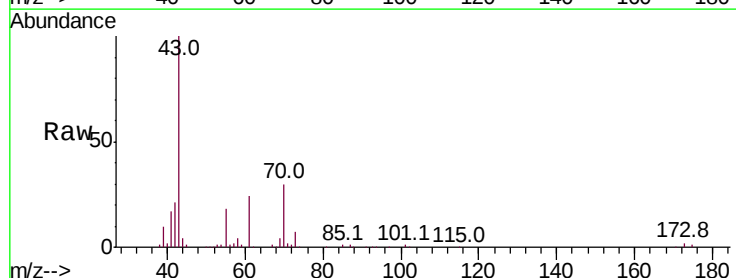
Ion Ratio Lower Upper

43 100

70 30.4 24.4 36.6

55 17.6 15.2 22.8

61 23.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.27

200000

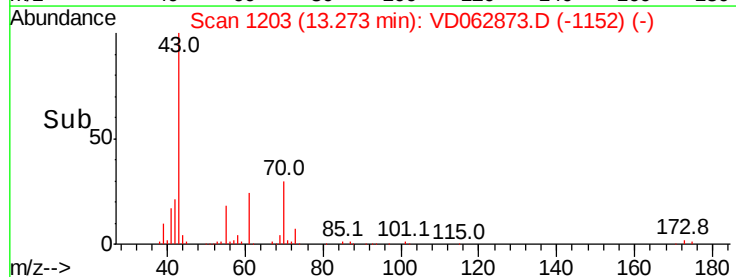
150000

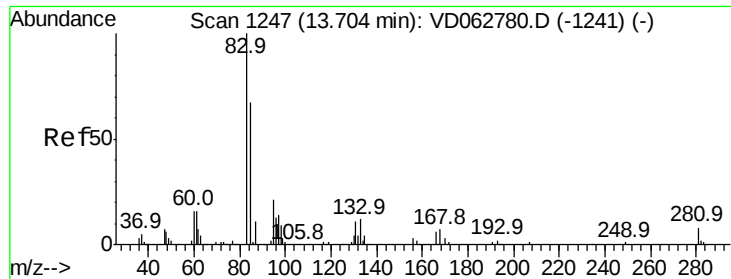
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 23.814 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

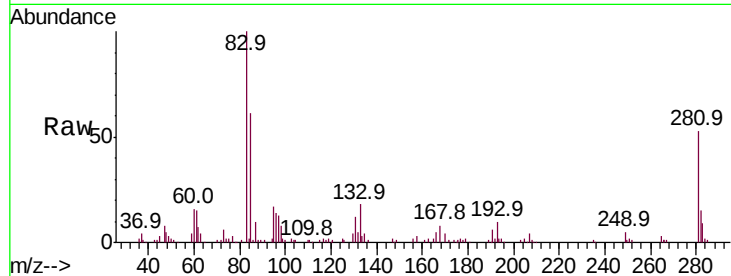
MSVOA_D

ClientSampleId :

VD0625SBSD01

Tot Ion: 83 Resp: 135360

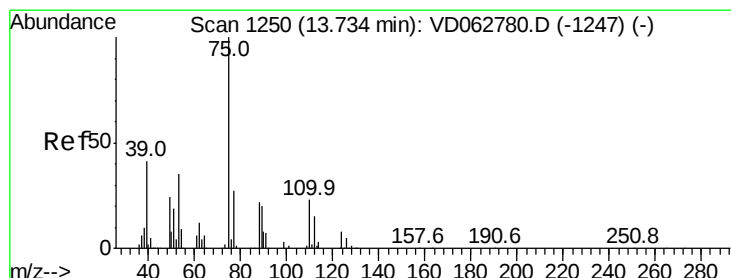
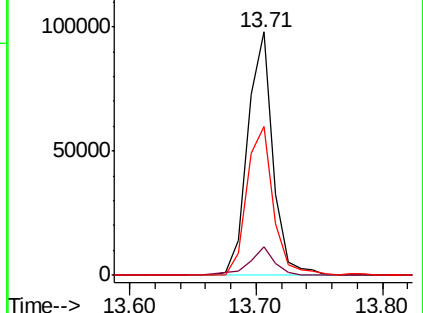
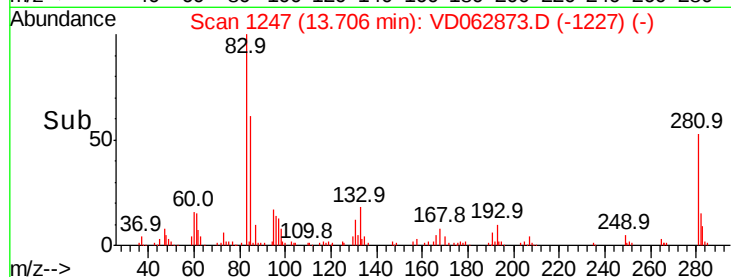
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.3	16.1
85	60.9	33.7	101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.920 ug/l

RT: 13.74 min Scan# 1250

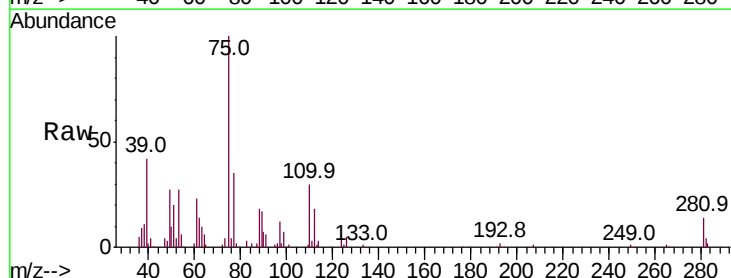
Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

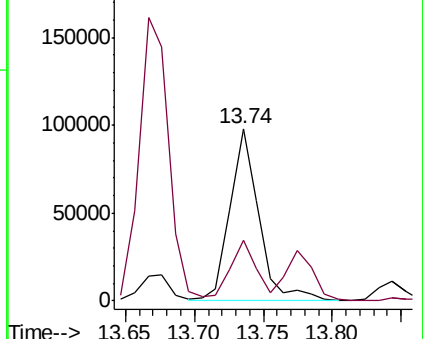
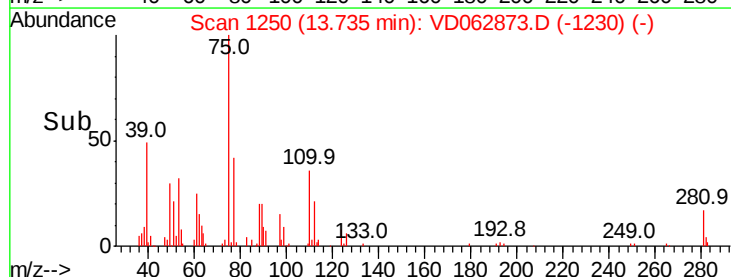
Tgt Ion: 75 Resp: 143961

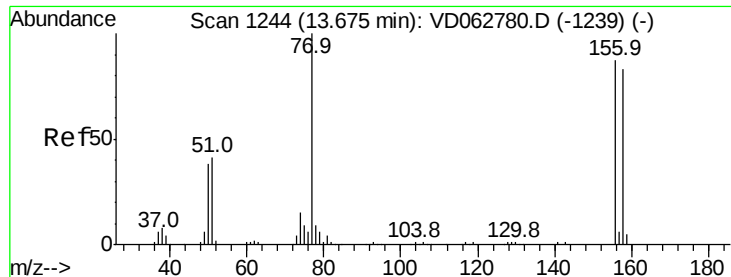
Ion	Ratio	Lower	Upper
75	100		
77	35.2	15.0	45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.691 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

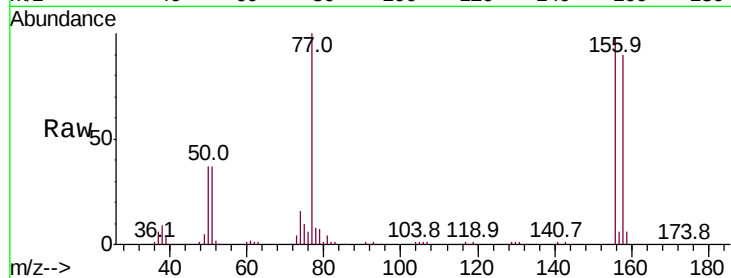
Tot Ion:156 Resp: 203530

Ion Ratio Lower Upper

156 100

77 102.4 57.7 173.1

158 91.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

200000

150000

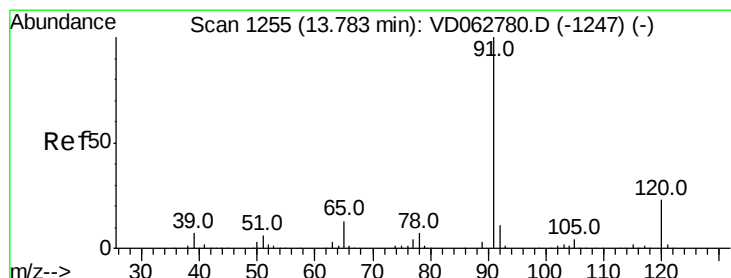
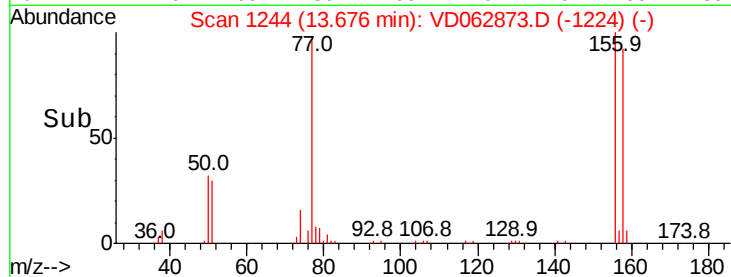
100000

50000

0

13.60 13.65 13.70 13.75

Time-->



#78

n-propylbenzene

Concen: 22.119 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062873.D

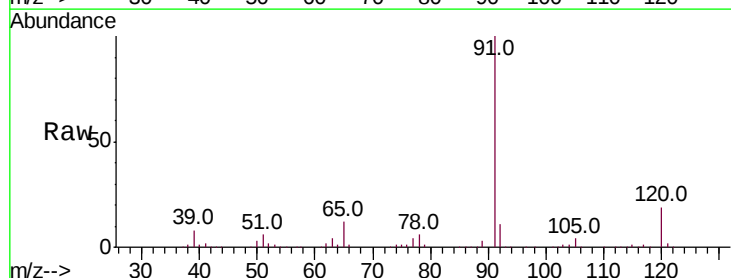
Acq: 25 Jun 2019 12:31

Tgt Ion: 91 Resp: 898107

Ion Ratio Lower Upper

91 100

120 19.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

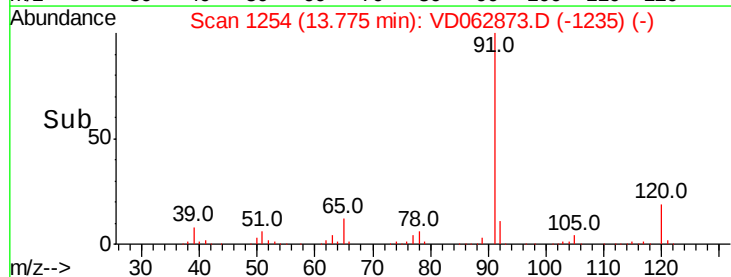
400000

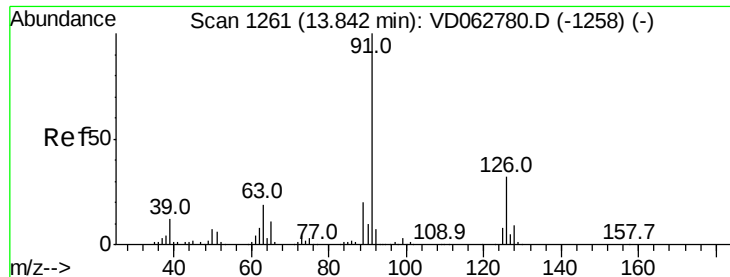
200000

0

13.70 13.80

Time-->

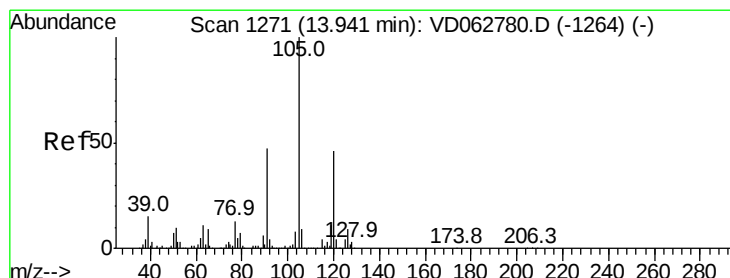
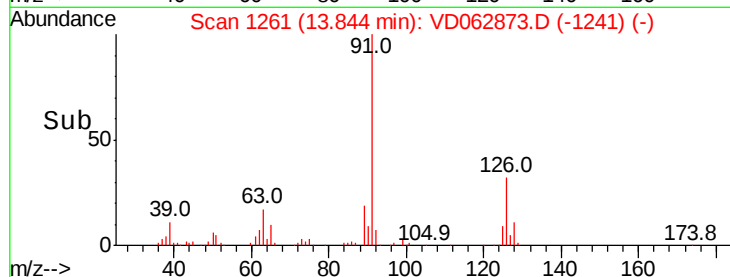
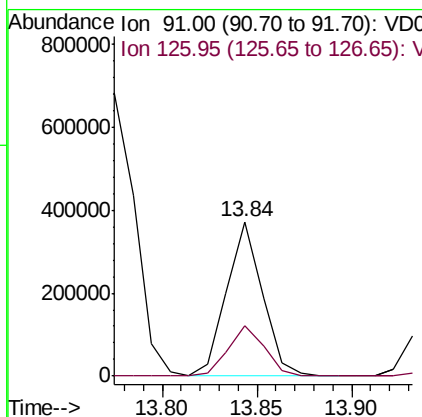
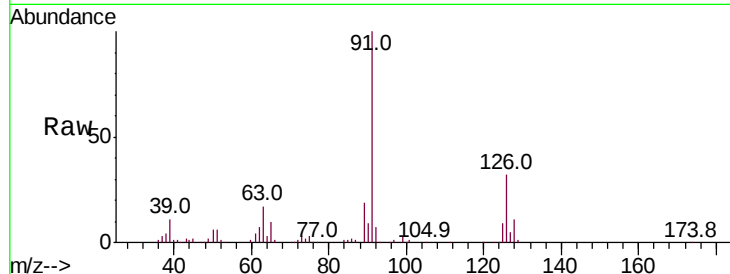




#79
 2-Chlorotoluene
 Concen: 20.934 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

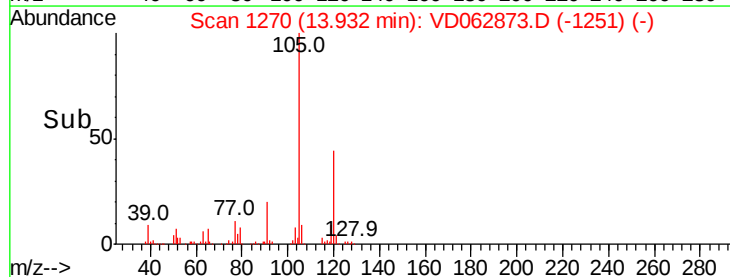
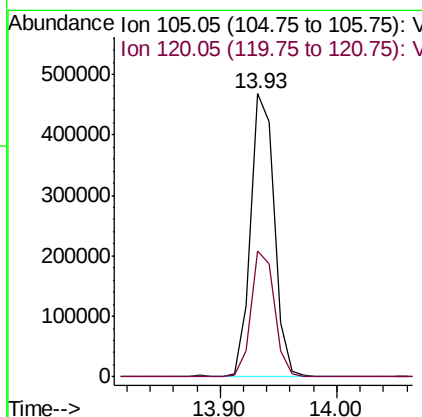
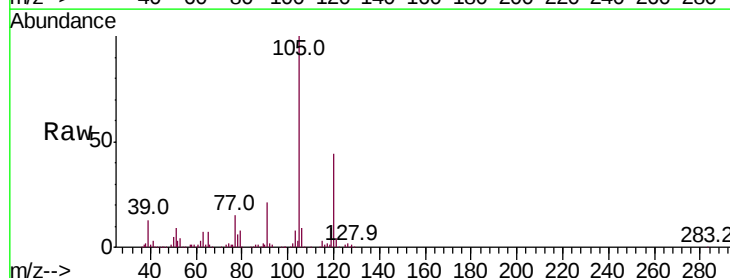
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

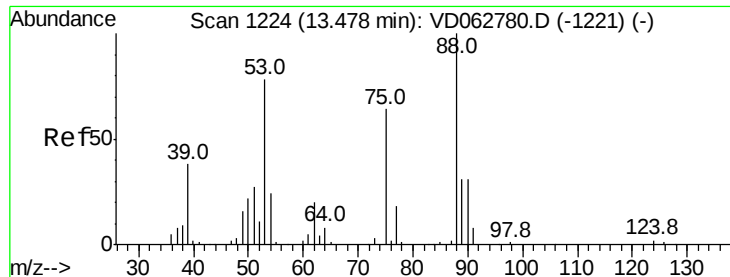
Tot Ion: 91 Resp: 485751
 Ion Ratio Lower Upper
 91 100
 126 32.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.516 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion:105 Resp: 659781
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.643 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062873.D

Acq: 25 Jun 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

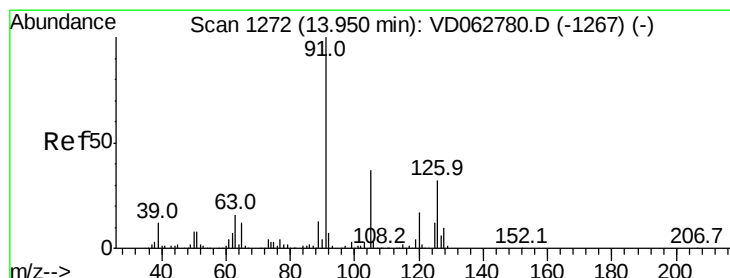
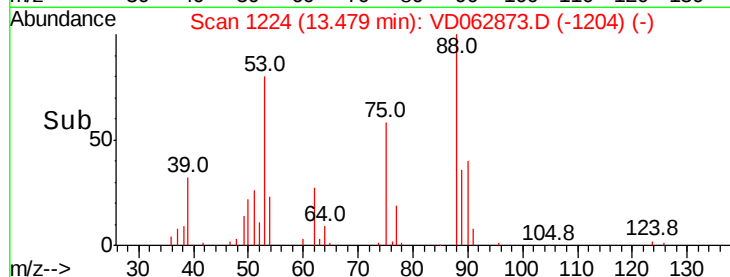
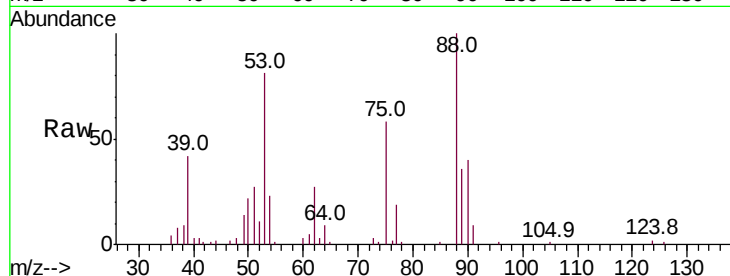
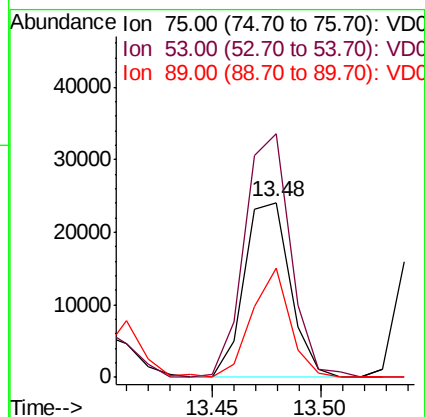
Tot Ion: 75 Resp: 35628

Ion Ratio Lower Upper

75 100

53 139.4 97.8 146.8

89 62.6 39.4 59.2#



#82

4-Chlorotoluene

Concen: 22.682 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062873.D

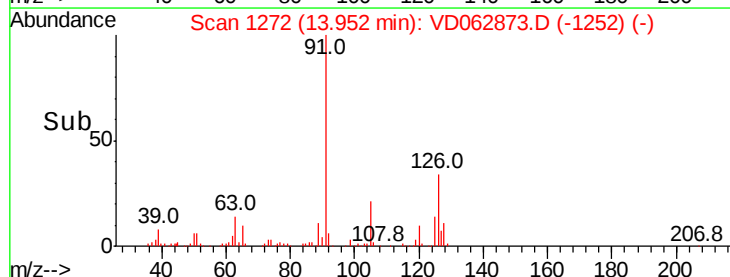
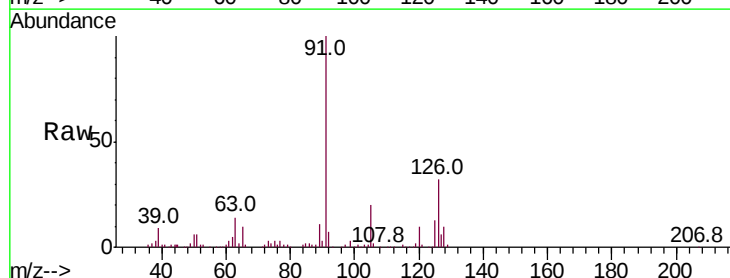
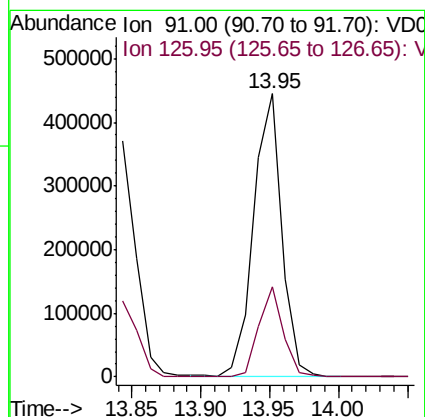
Acq: 25 Jun 2019 12:31

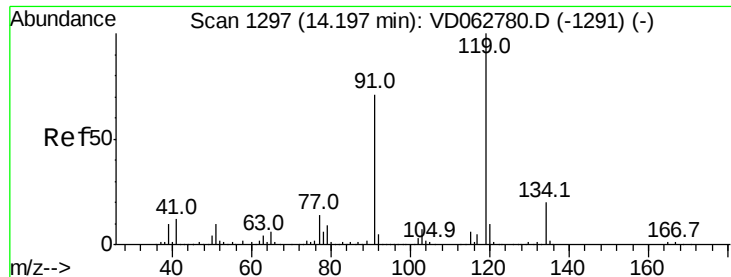
Tgt Ion: 91 Resp: 633641

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9

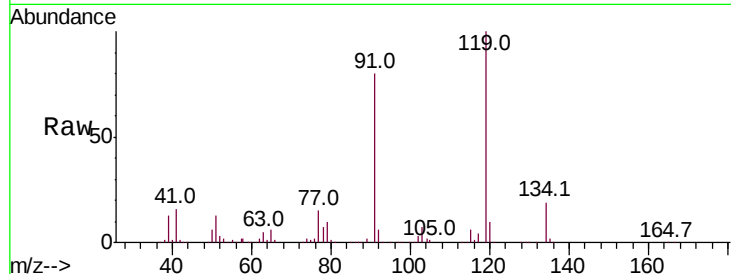




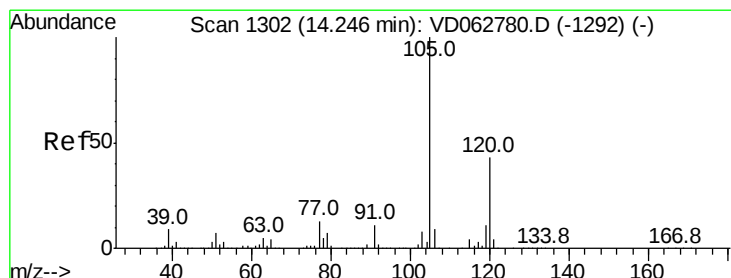
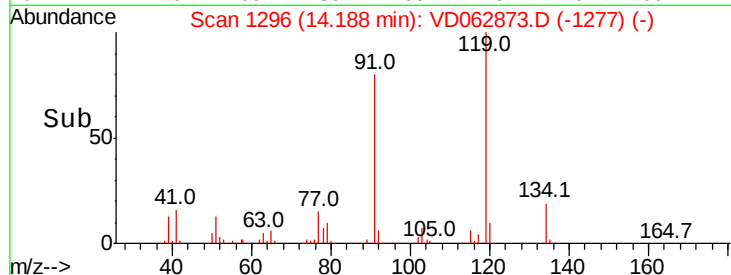
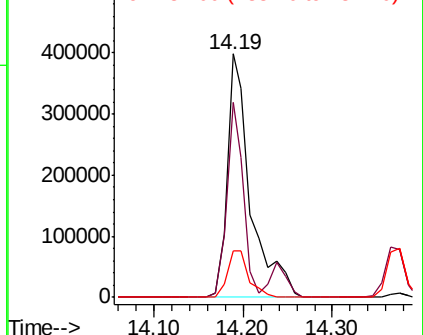
#83
tert-Butylbenzene
Concen: 22.477 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion:119 Resp: 734148
Ion Ratio Lower Upper
119 100
91 80.3 35.5 106.5
134 19.2 10.2 30.6

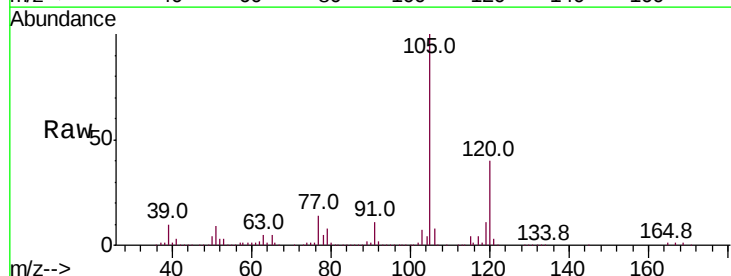


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

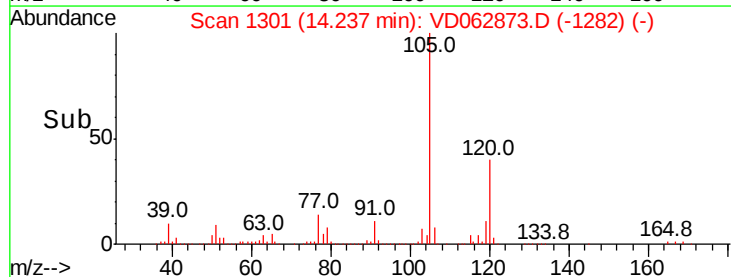
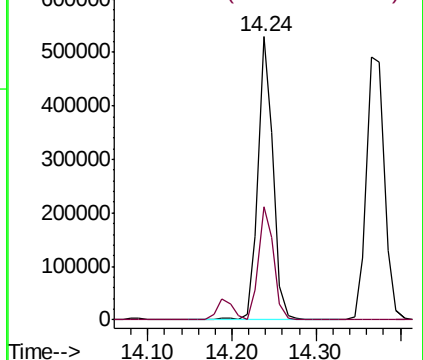


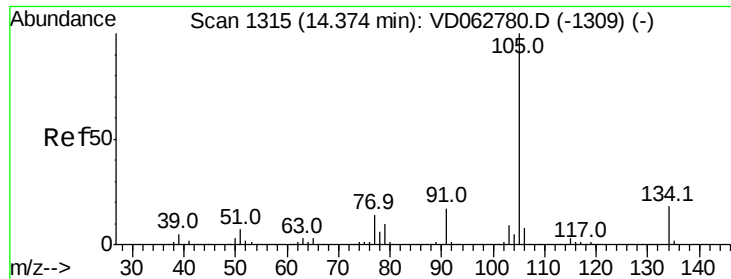
#84
1,2,4-Trimethylbenzene
Concen: 22.329 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion:105 Resp: 670639
Ion Ratio Lower Upper
105 100
120 39.9 21.3 63.9



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

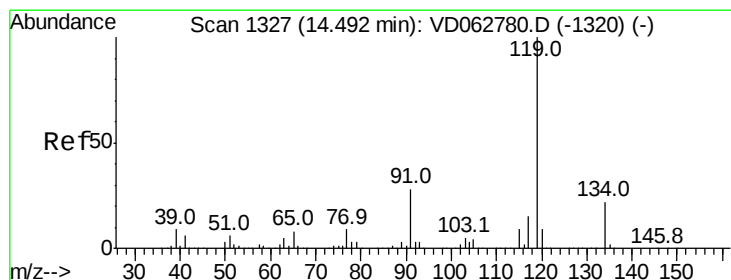
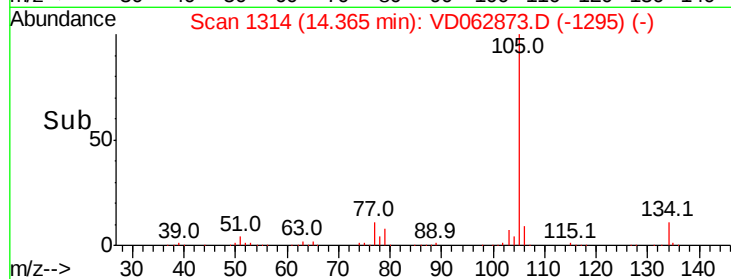
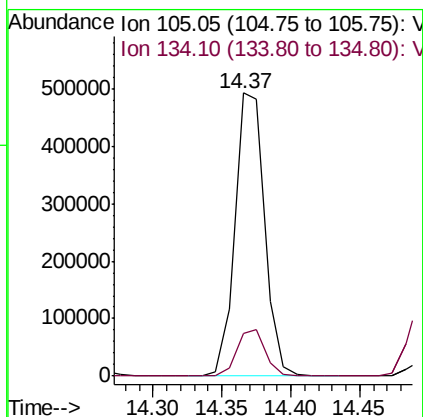
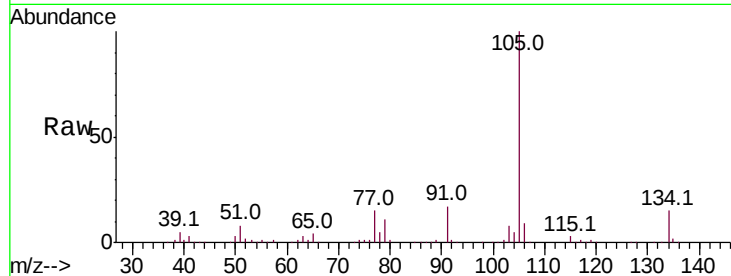




#85
 sec-Butylbenzene
 Concen: 20.776 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

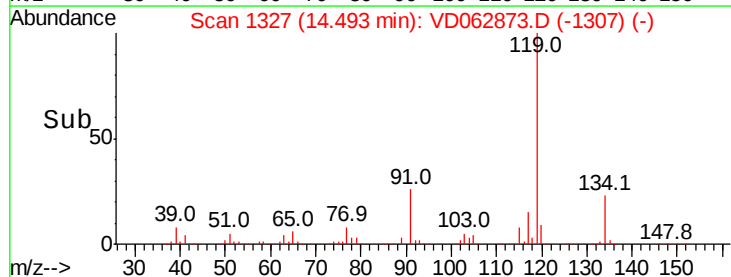
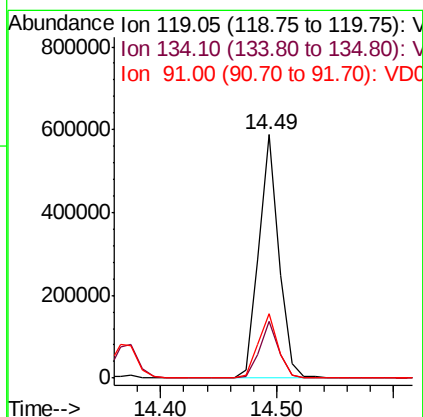
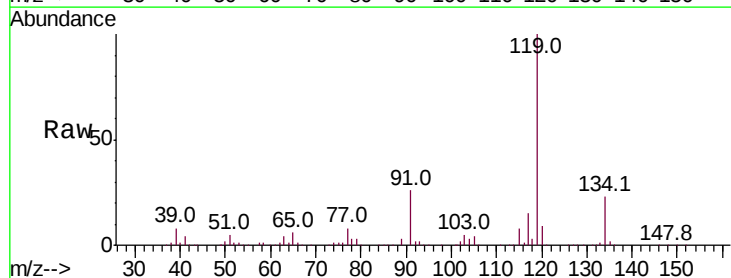
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

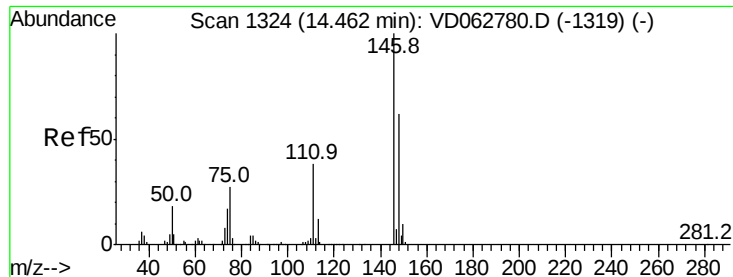
Tot Ion:105 Resp: 737537
 Ion Ratio Lower Upper
 105 100
 134 15.0 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 21.650 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion:119 Resp: 703111
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.1 33.1
 91 26.2 14.0 41.9

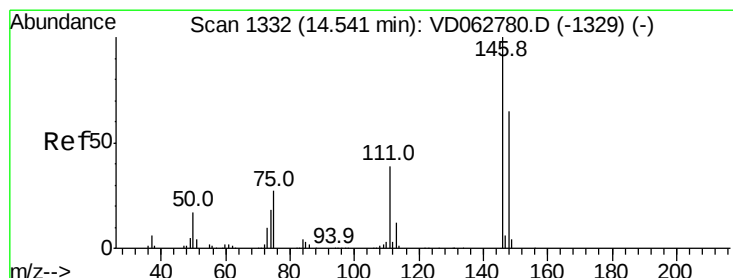
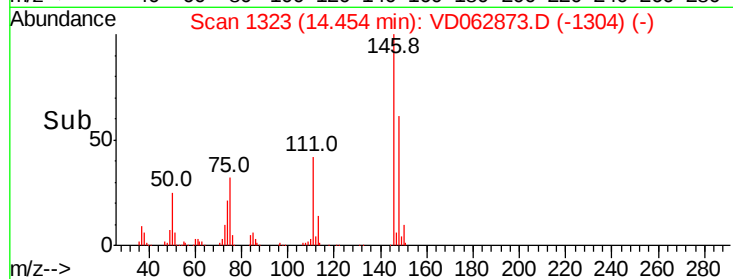
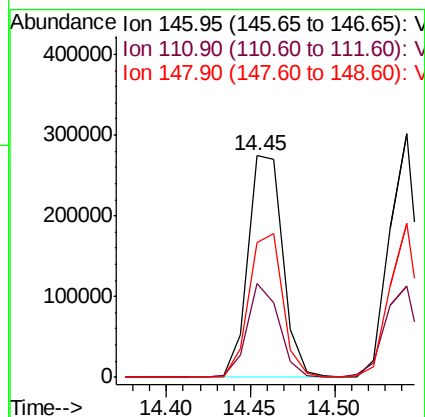
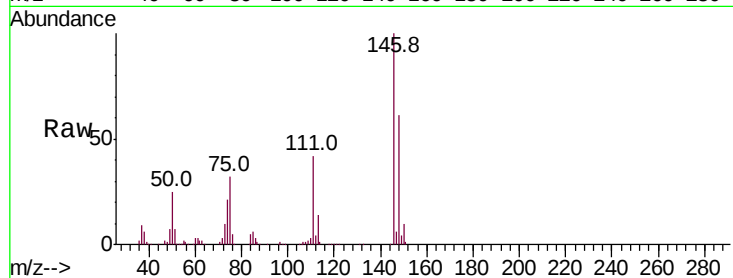




#87
 1,3-Dichlorobenzene
 Concen: 23.453 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

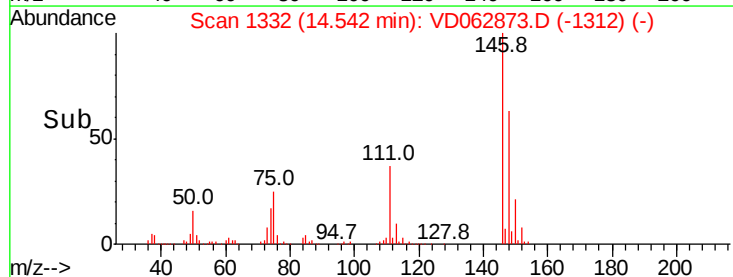
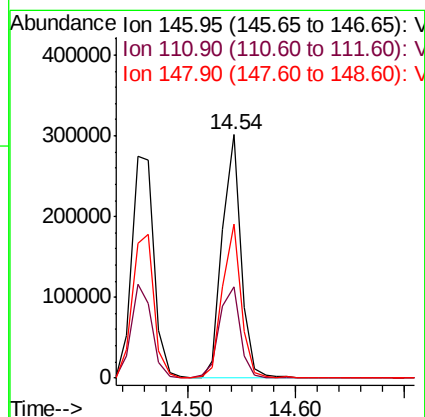
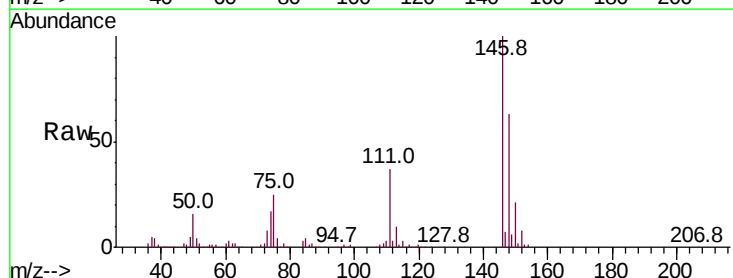
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

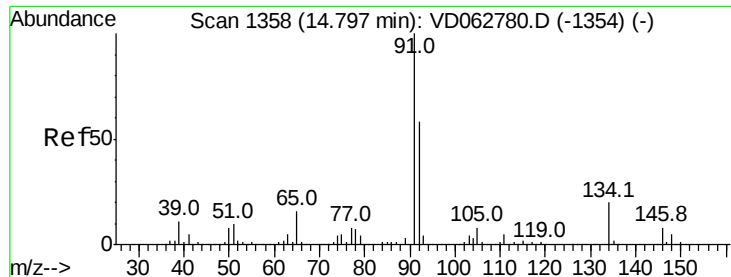
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.0	57.0
148	60.6	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 21.570 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.1
148	63.0	32.8	98.3

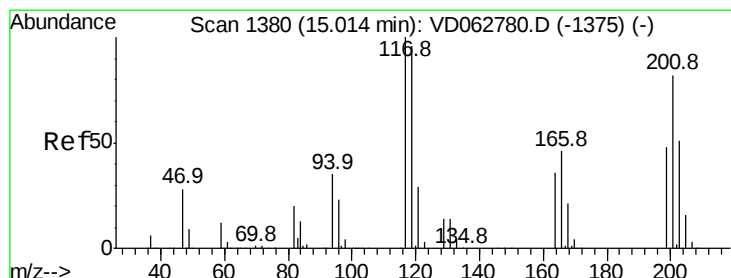
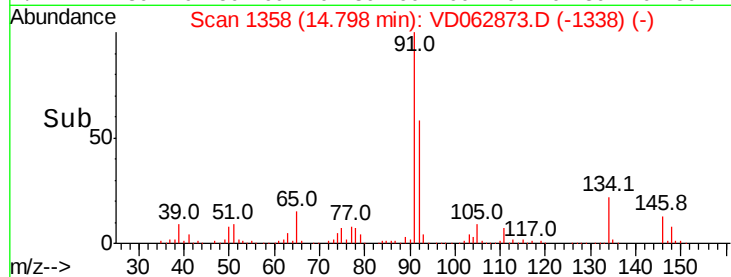
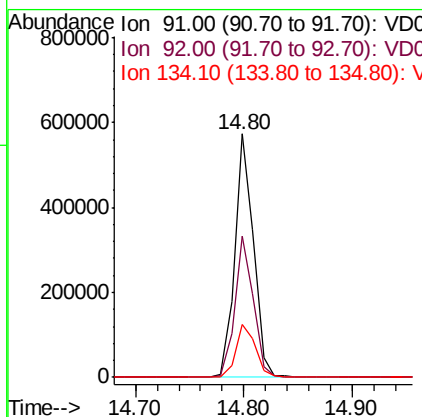
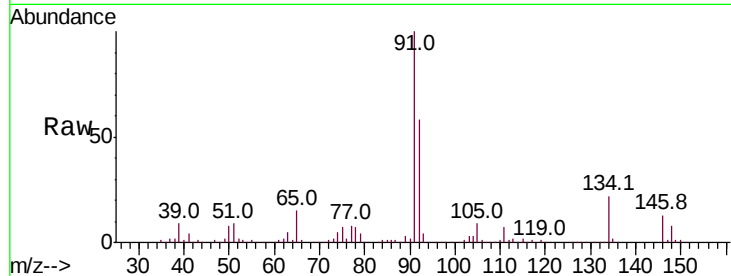




#89
n-Butylbenzene
Concen: 22.768 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

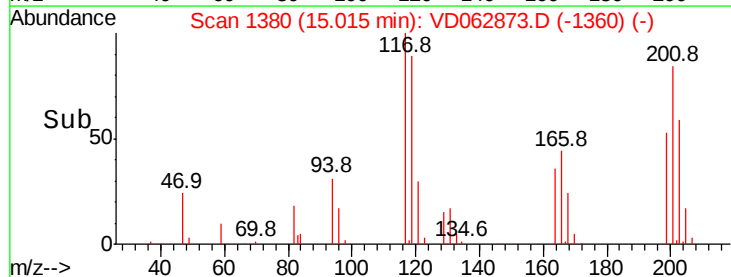
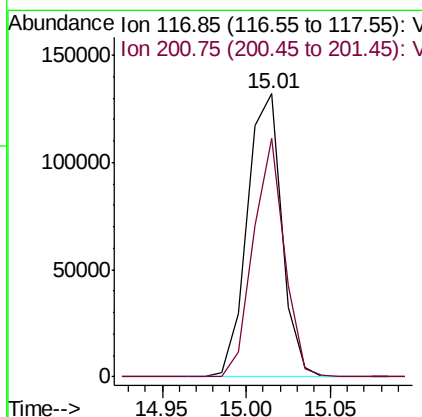
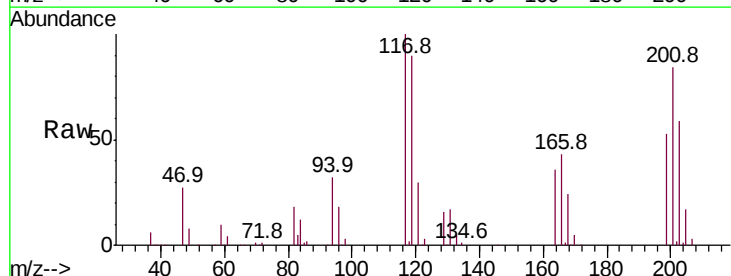
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

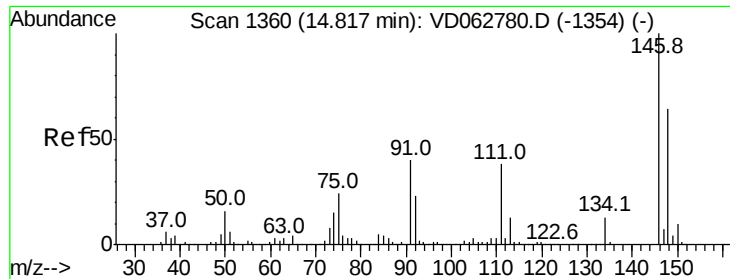
Tot Ion: 91 Resp: 692066
Ion Ratio Lower Upper
91 100
92 57.9 28.9 86.7
134 21.7 10.1 30.3



#90
Hexachloroethane
Concen: 21.436 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion: 117 Resp: 187178
Ion Ratio Lower Upper
117 100
201 84.1 40.8 122.2

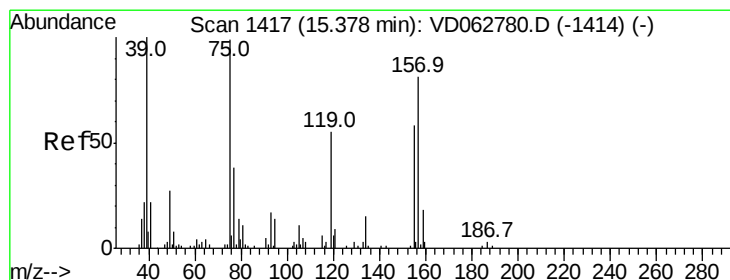
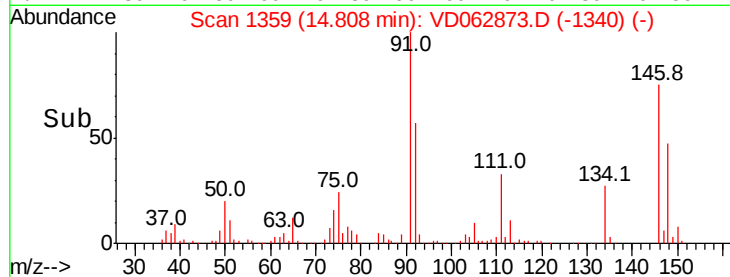
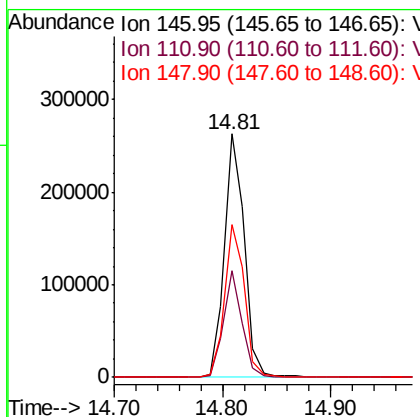
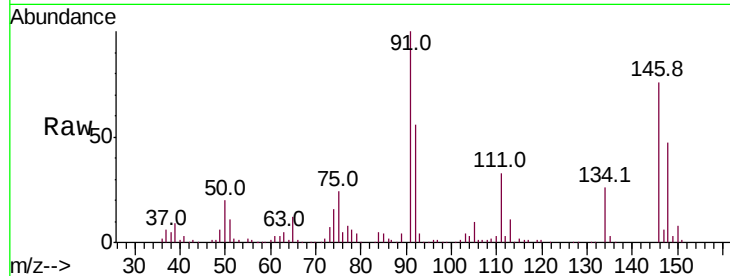




#91
 1,2-Dichlorobenzene
 Concen: 23.368 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

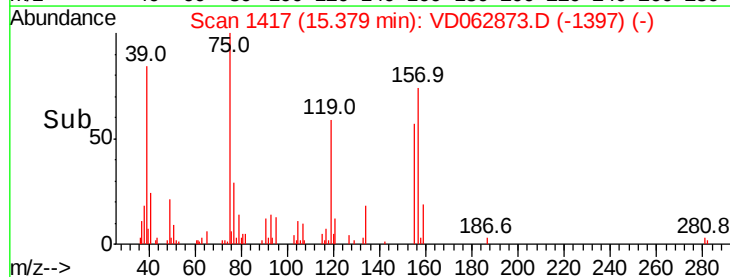
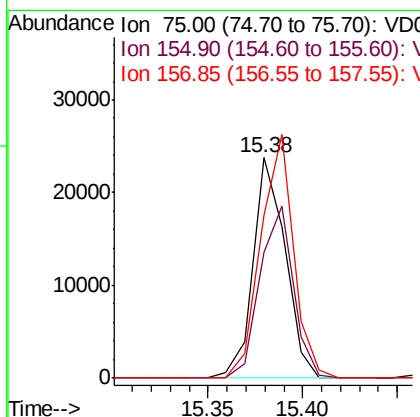
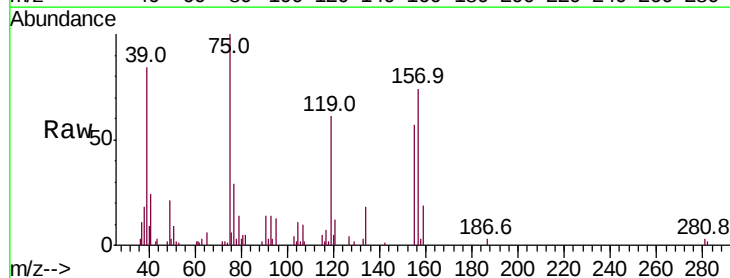
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

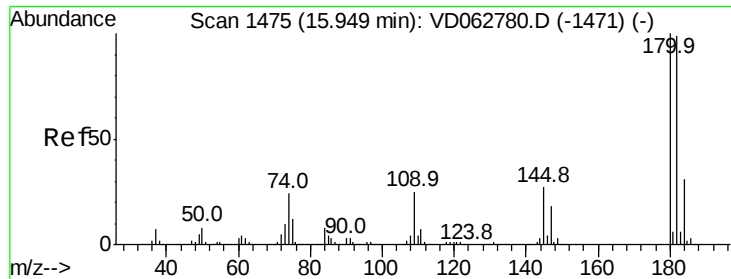
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	19.1	57.1
148	62.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.282 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.0	29.3	87.8
157	73.7	41.3	123.7

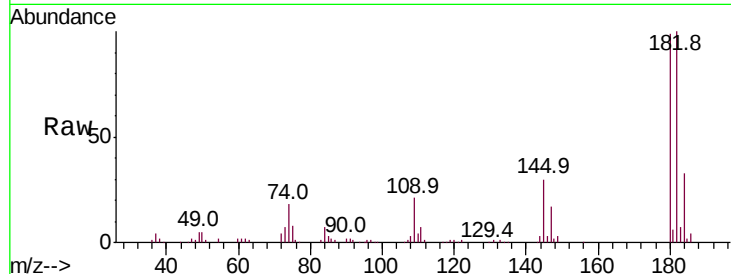




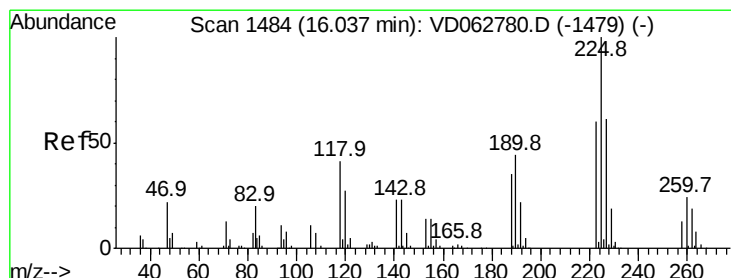
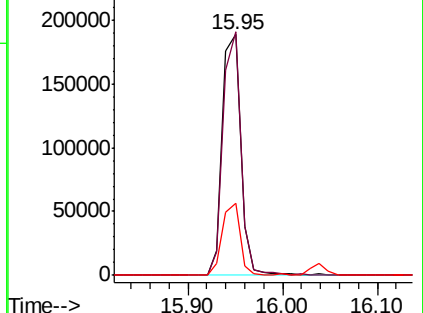
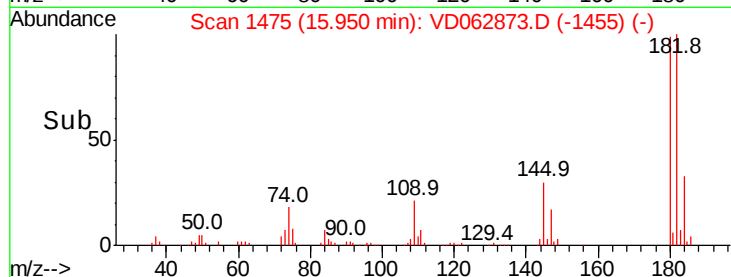
#93
 1,2,4-Trichlorobenzene
 Concen: 22.988 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion:180 Resp: 258430
 Ion Ratio Lower Upper
 180 100
 182 101.1 49.5 148.5
 145 29.9 13.7 41.0

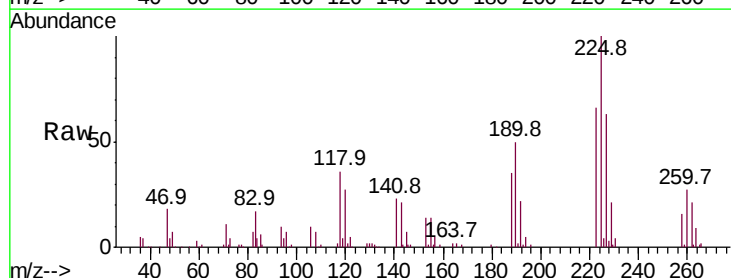


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

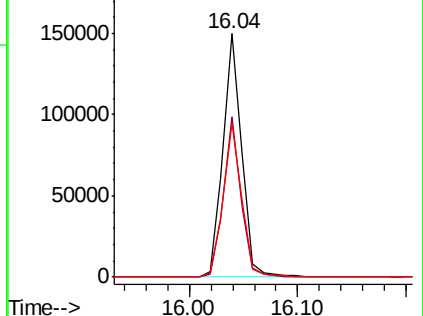
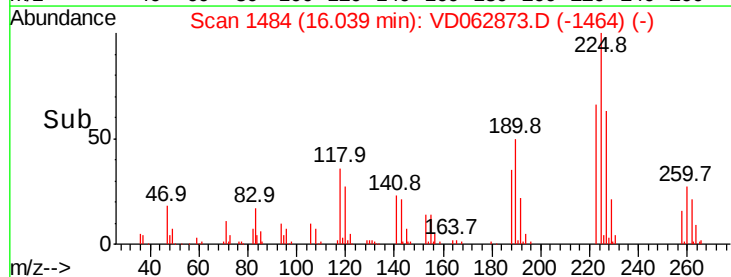


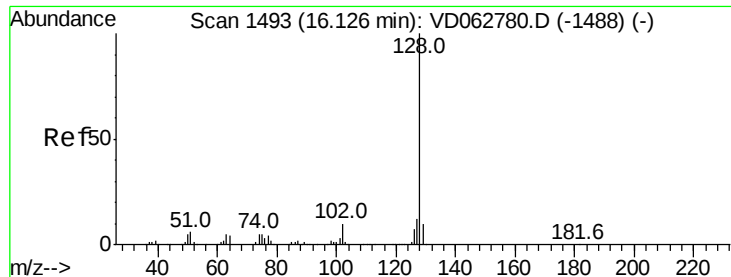
#94
 Hexachlorobutadiene
 Concen: 20.939 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062873.D
 Acq: 25 Jun 2019 12:31

Tgt Ion:225 Resp: 179826
 Ion Ratio Lower Upper
 225 100
 223 65.9 29.8 89.5
 227 63.4 30.6 91.6



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

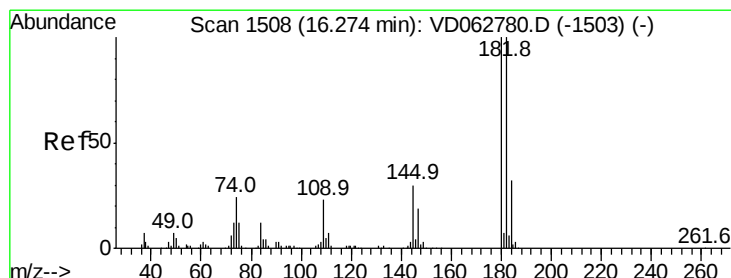
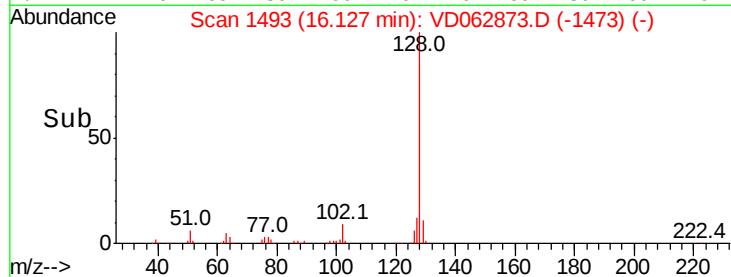
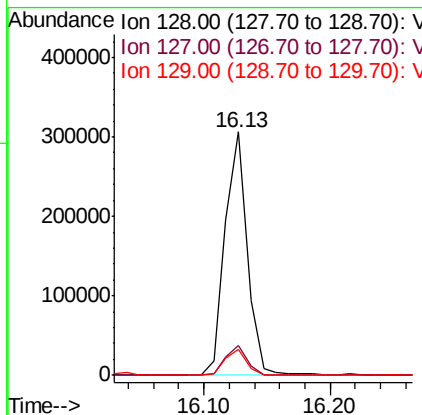
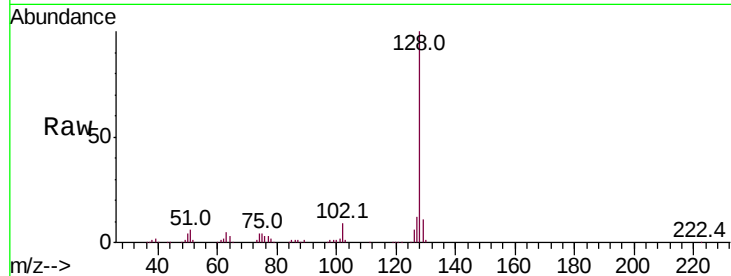




#95
Naphthalene
Concen: 23.773 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion:128 Resp: 374580
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.942 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062873.D
Acq: 25 Jun 2019 12:31

Tgt Ion:180 Resp: 198163
Ion Ratio Lower Upper
180 100
182 101.4 49.9 149.6
145 26.6 15.2 45.5

