

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063171.D
 Acq On : 22 Jul 2019 12:35
 Operator : VA/AP
 Sample : VD0722SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Quant Time: Jul 23 07:47:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	688501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	995687	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	804649	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	478617	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	381311	44.46	ug/l	0.01
Spiked Amount 50.000			Recovery =	88.92%		
35) Dibromofluoromethane	6.93	113	430436	43.40	ug/l	0.01
Spiked Amount 50.000			Recovery =	86.80%		
50) Toluene-d8	10.41	98	875909	41.12	ug/l	0.01
Spiked Amount 50.000			Recovery =	82.24%		
62) 4-Bromofluorobenzene	13.56	95	437196	44.36	ug/l	0.01
Spiked Amount 50.000			Recovery =	88.72%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	203297	26.636	ug/l	90
3) Chloromethane	1.75	50	149647	22.120	ug/l #	90
4) Vinyl Chloride	1.84	62	149843	20.392	ug/l	92
5) Bromomethane	2.14	94	66149	21.761	ug/l	98
6) Chloroethane	2.25	64	74692	21.882	ug/l #	82
7) Trichlorofluoromethane	2.52	101	304584	20.476	ug/l	96
8) Diethyl Ether	2.86	74	42455	20.289	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	172464	20.107	ug/l	87
10) Methyl Iodide	3.29	142	210720	20.011	ug/l #	89
11) Tert butyl alcohol	4.08	59	48155	97.290	ug/l	97
12) 1,1-Dichloroethene	3.12	96	117989	19.371	ug/l	94
13) Acrolein	3.03	56	15774	105.590	ug/l	88
14) Allyl chloride	3.62	41	210514	21.991	ug/l	88
15) Acrylonitrile	4.20	53	115534	105.595	ug/l	88
16) Acetone	3.22	43	204122	98.538	ug/l	97
17) Carbon Disulfide	3.36	76	344080	19.736	ug/l	98
18) Methyl Acetate	3.64	43	91074	30.918	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	312601	20.331	ug/l	96
20) Methylene Chloride	3.81	84	152790	19.523	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	147948	21.881	ug/l	85
22) Diisopropyl ether	5.12	45	434610	20.882	ug/l	97
23) Vinyl Acetate	5.06	43	1199382	98.774	ug/l	99
24) 1,1-Dichloroethane	4.98	63	276181	21.542	ug/l	96
25) 2-Butanone	6.08	43	183973	93.004	ug/l	95
26) 2,2-Dichloropropane	6.02	77	296171	20.873	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	159722	20.766	ug/l	88
28) Bromochloromethane	6.44	49	106702	22.941	ug/l #	90
29) Tetrahydrofuran	6.47	42	83554	93.180	ug/l	96
30) Chloroform	6.67	83	352600	22.332	ug/l	90
31) Cyclohexane	6.96	56	164947	20.202	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	329520	21.164	ug/l	98
36) 1,1-Dichloropropene	7.15	75	216342	19.319	ug/l	90
37) Ethyl Acetate	6.19	43	94230	19.662	ug/l #	93
38) Carbon Tetrachloride	7.11	117	328107	19.282	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	186937	19.309	ug/l	93
40) Benzene	7.46	78	465211	19.835	ug/l	100
41) Methacrylonitrile	6.46	41	116457	17.923	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	234904	18.799	ug/l	97
43) Isopropyl Acetate	9.25	43	113359	16.502	ug/l #	99
44) Trichloroethene	8.55	130	177618	19.596	ug/l	92
45) 1,2-Dichloropropane	8.94	63	109860	18.787	ug/l #	87
46) Dibromomethane	9.07	93	100901	20.080	ug/l	95
47) Bromodichloromethane	9.39	83	261115	19.913	ug/l	94
48) Methyl methacrylate	9.13	41	85202	18.887	ug/l	94
49) 1,4-Dioxane	9.08	88	17178	441.535	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	455830	100.046	ug/l	98
52) Toluene	10.52	92	294889	18.829	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	211779	18.851	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	220320	18.967	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	109349	20.203	ug/l	98
56) Ethyl methacrylate	11.05	69	119589	19.775	ug/l	95
57) 1,3-Dichloropropane	11.42	76	154389	18.746	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.86	63	302370	89.799	ug/l	94
59) 2-Hexanone	11.54	43	328753	93.561	ug/l	97
60) Dibromochloromethane	11.69	129	207287	19.979	ug/l	96
61) 1,2-Dibromoethane	11.81	107	128229	19.793	ug/l	99
64) Tetrachloroethene	11.27	164	157203	20.134	ug/l	91
65) Chlorobenzene	12.40	112	407033	21.519	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	177939	20.291	ug/l	95
67) Ethyl Benzene	12.53	91	665597	20.252	ug/l	98
68) m/p-Xylenes	12.68	106	469361	39.873	ug/l	95
69) o-Xylene	13.06	106	218899	19.612	ug/l	90
70) Styrene	13.08	104	403526	20.654	ug/l	97
71) Bromoform	13.24	173	124552	20.287	ug/l	90
73) Isopropylbenzene	13.40	105	654760	17.714	ug/l	97
74) N-amyl acetate	13.27	43	189077	18.342	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	118534	17.626	ug/l	88
76) 1,2,3-Trichloropropane	13.74	75	132622	18.013	ug/l	95
77) Bromobenzene	13.67	156	201656	19.239	ug/l	80
78) n-propylbenzene	13.78	91	843516	19.831	ug/l	99
79) 2-Chlorotoluene	13.85	91	440427	17.125	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	603273	18.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	31772	16.387	ug/l	91
82) 4-Chlorotoluene	13.96	91	576956	19.212	ug/l	97
83) tert-Butylbenzene	14.19	119	626190	17.191	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	612352	19.067	ug/l	99
85) sec-Butylbenzene	14.37	105	696675	18.002	ug/l	94
86) p-Isopropyltoluene	14.50	119	631013	17.478	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	351487	18.777	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	341617	19.036	ug/l	99
89) n-Butylbenzene	14.80	91	609387	18.313	ug/l	98
90) Hexachloroethane	15.01	117	171135	17.732	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	308106	18.484	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20676	16.040	ug/l	78

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Quant Title : SW846 8260
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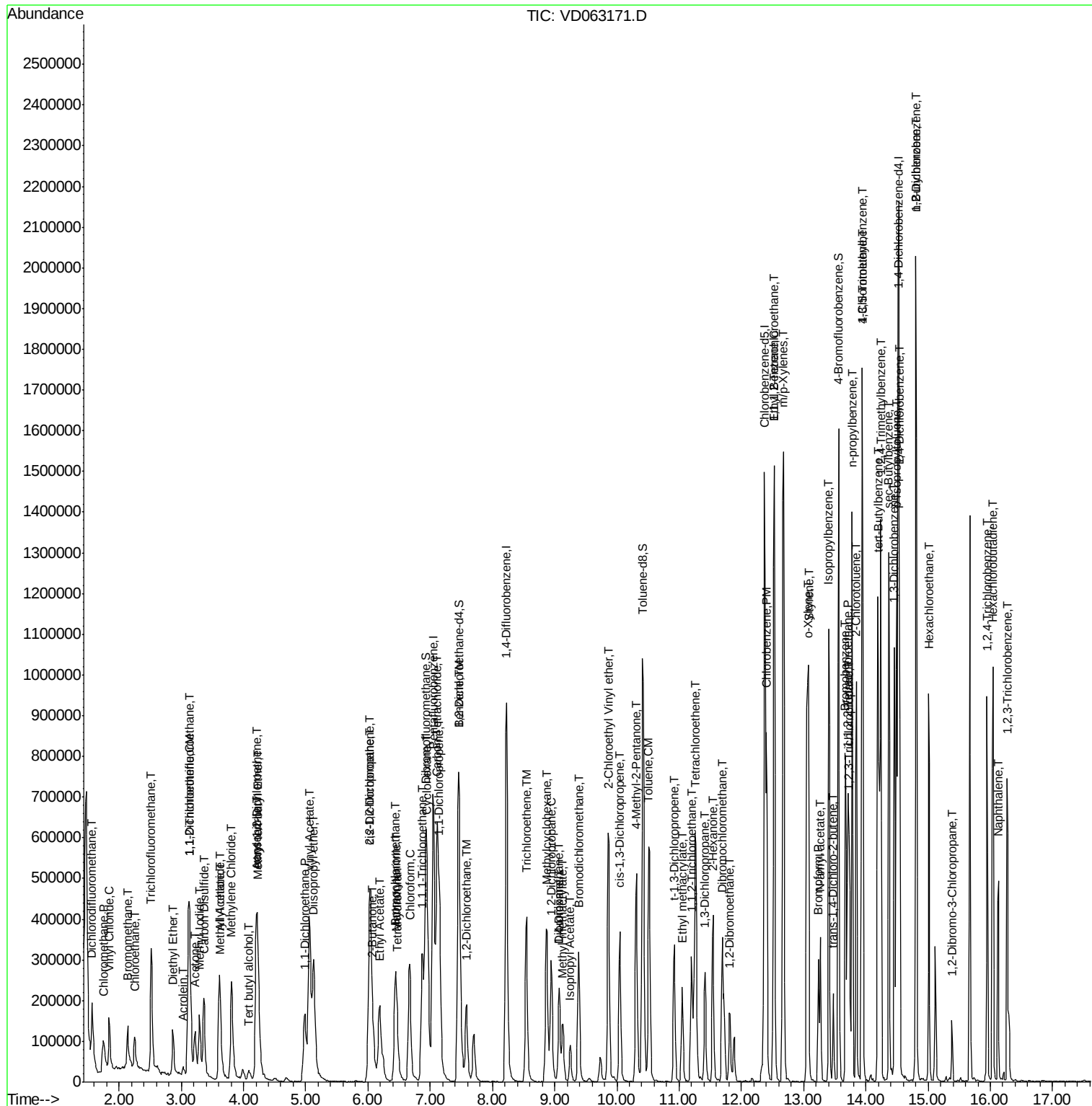
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	239270	19.107	ug/l	88
94) Hexachlorobutadiene	16.04	225	177111	19.188	ug/l	97
95) Naphthalene	16.13	128	328193	17.916	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	195468	19.403	ug/l	95

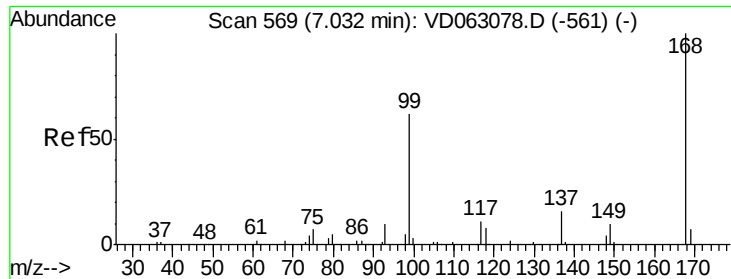
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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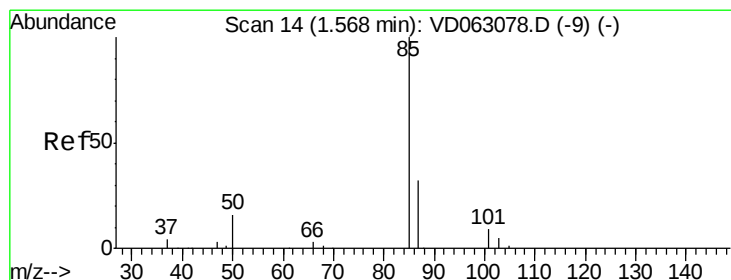
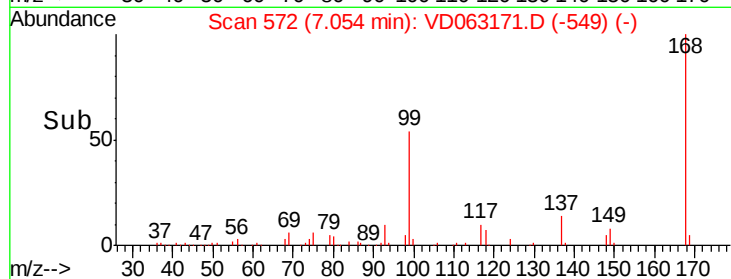
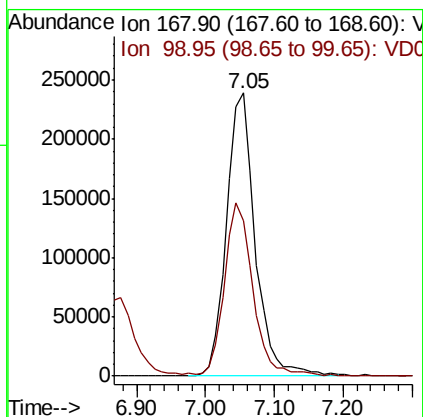
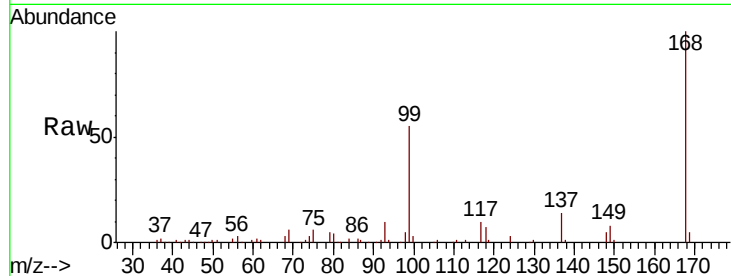




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.02 min
Lab File: VD063171.D
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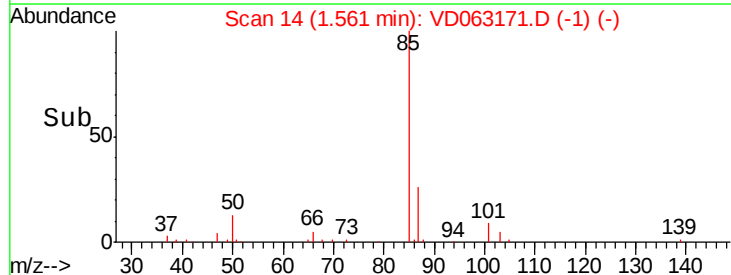
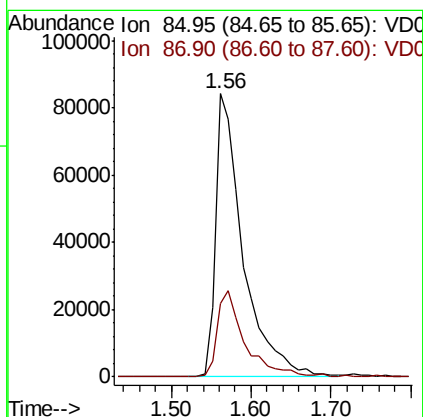
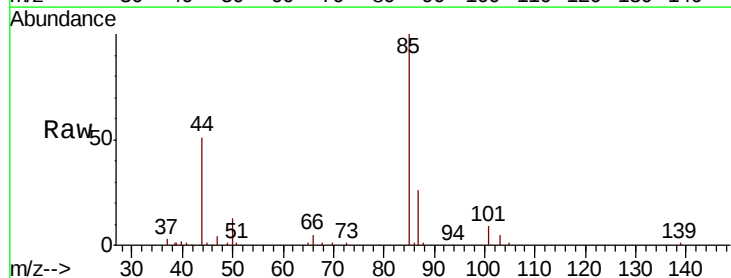
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

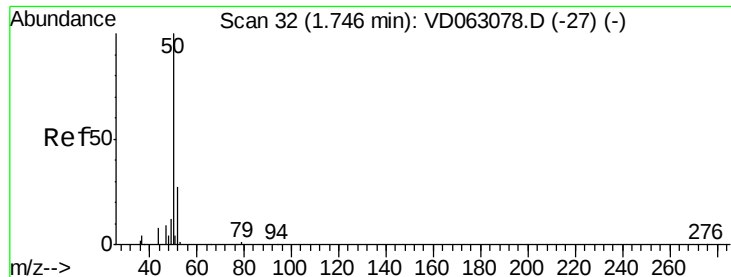
Tot Ion:168 Resp: 688501
Ion Ratio Lower Upper
168 100
99 55.1 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 26.636 ug/l
RT: 1.56 min Scan# 14
Delta R.T. -0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 85 Resp: 203297
Ion Ratio Lower Upper
85 100
87 26.0 15.9 47.7





#3

Chloromethane

Concen: 22.120 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

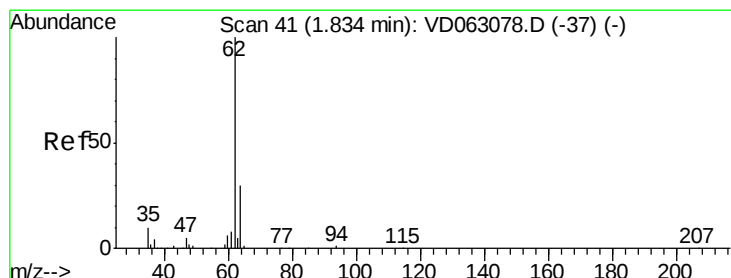
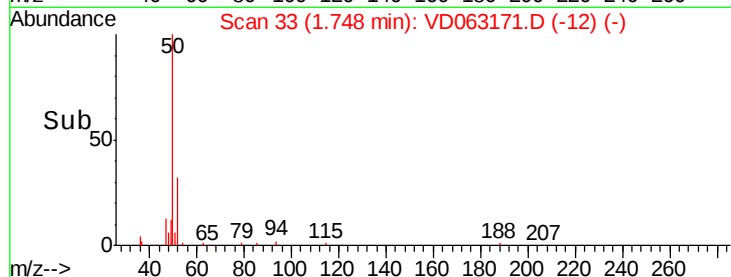
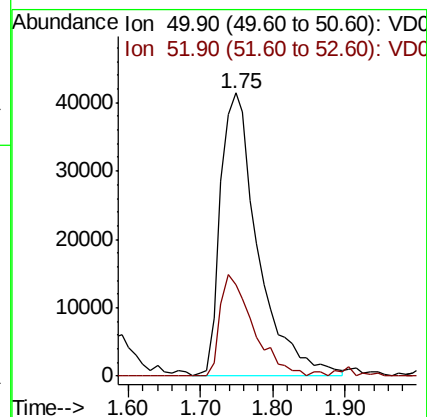
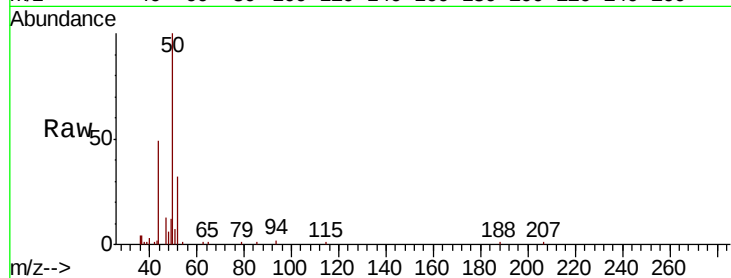
VD0722SBS01

Tot Ion: 50 Resp: 149647

Ion Ratio Lower Upper

50 100

52 32.2 21.4 32.2#



#4

Vinyl Chloride

Concen: 20.392 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063171.D

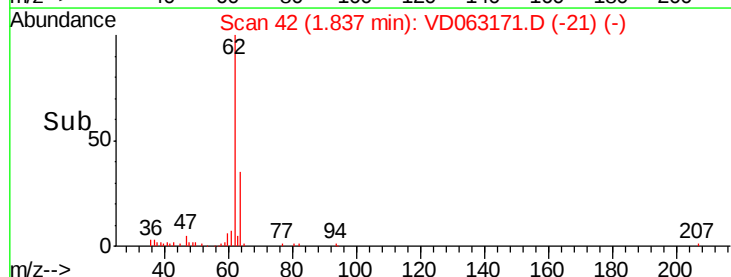
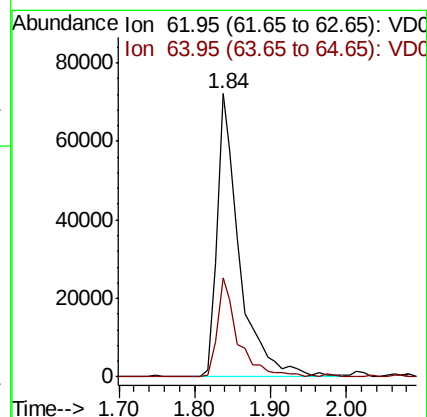
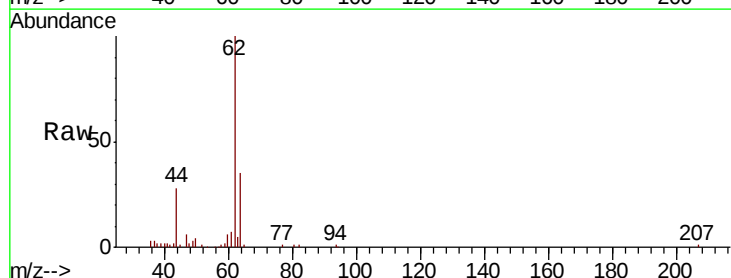
Acq: 22 Jul 2019 12:35

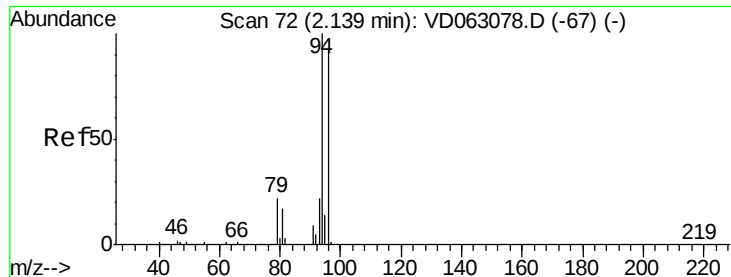
Tgt Ion: 62 Resp: 149843

Ion Ratio Lower Upper

62 100

64 35.1 24.4 36.6





#5

Bromomethane

Concen: 21.761 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

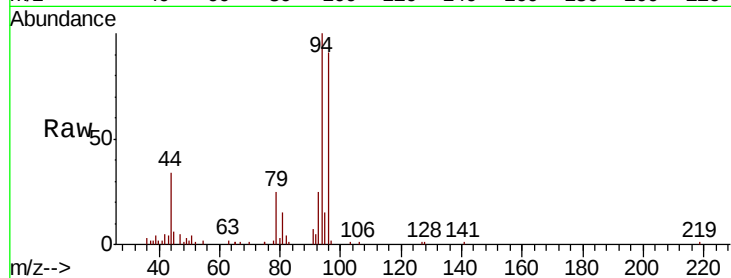
Tot Ion: 94 Resp: 66149

Ion Ratio Lower Upper

94 100

96 91.4 74.2 111.2

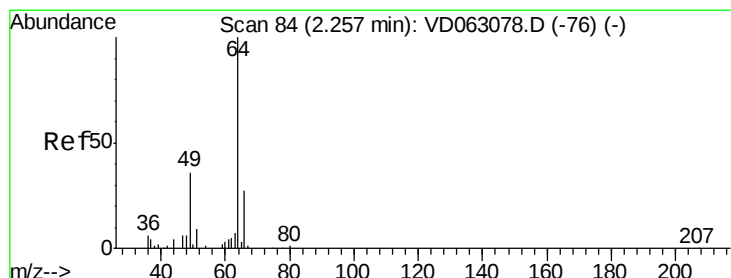
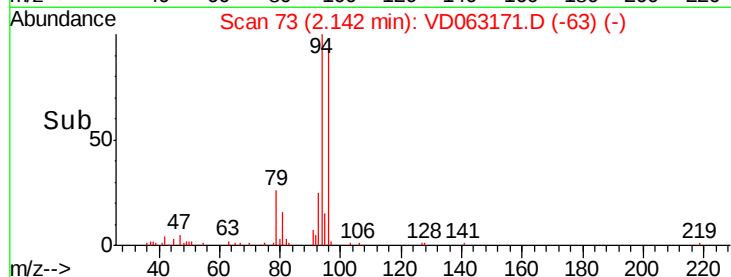
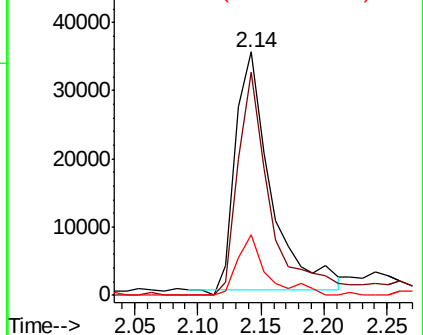
93 24.8 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.882 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063171.D

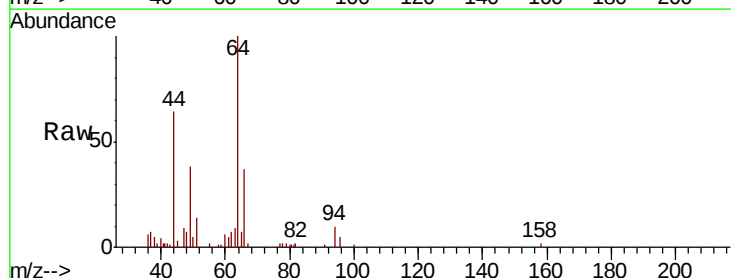
Acq: 22 Jul 2019 12:35

Tgt Ion: 64 Resp: 74692

Ion Ratio Lower Upper

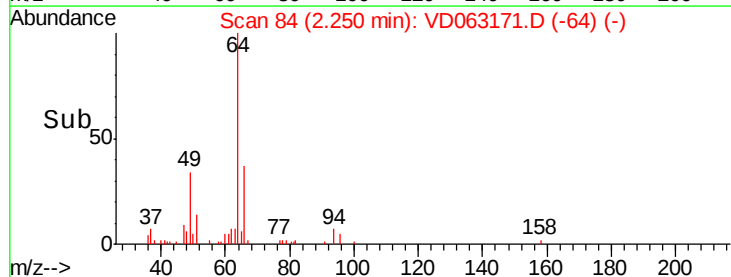
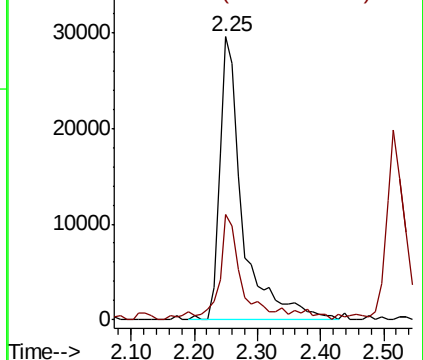
64 100

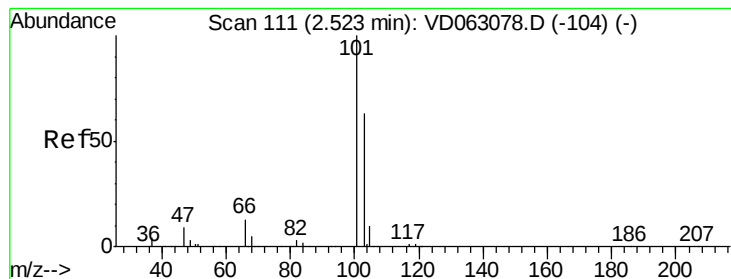
66 37.4 22.5 33.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



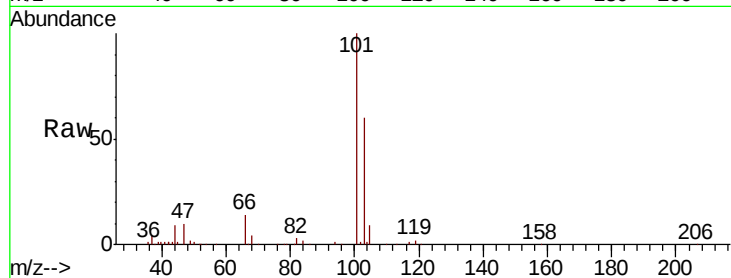


#7

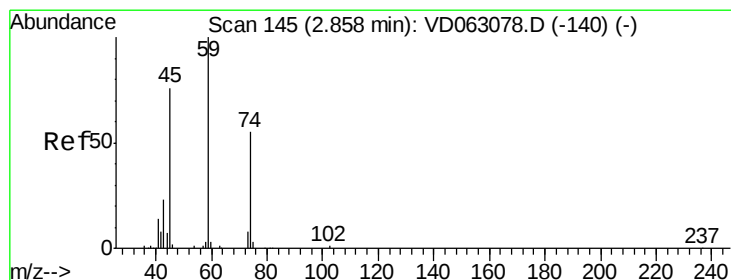
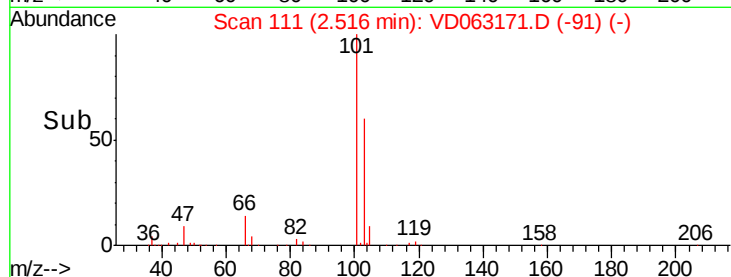
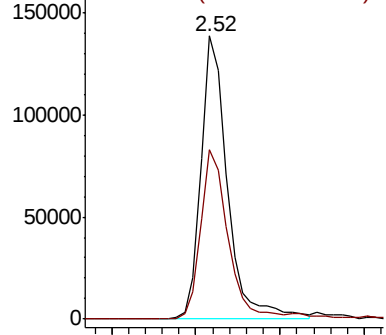
Trichlorofluoromethane
 Concen: 20.476 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
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Tot Ion:101 Resp: 304584
 Ion Ratio Lower Upper
 101 100
 103 60.0 50.6 76.0



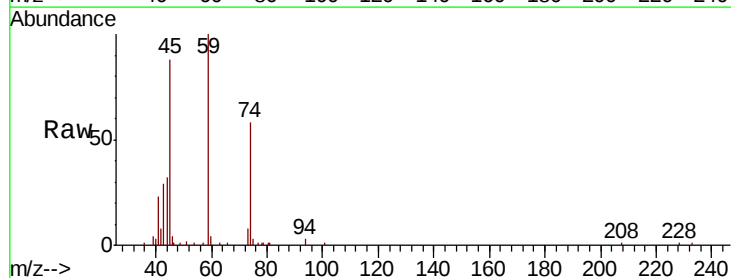
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



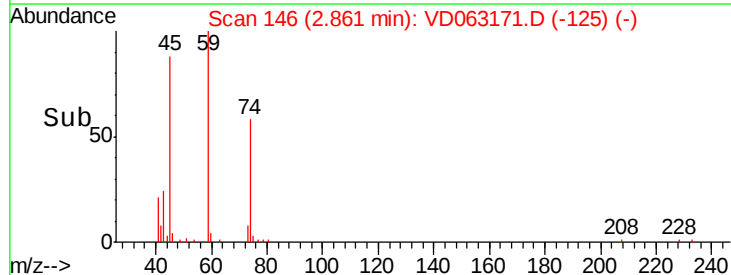
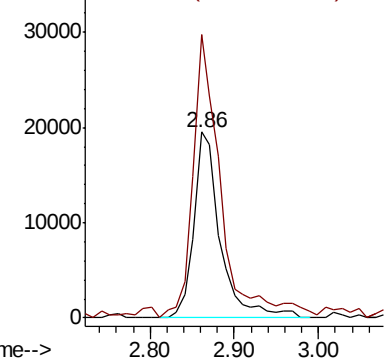
#8

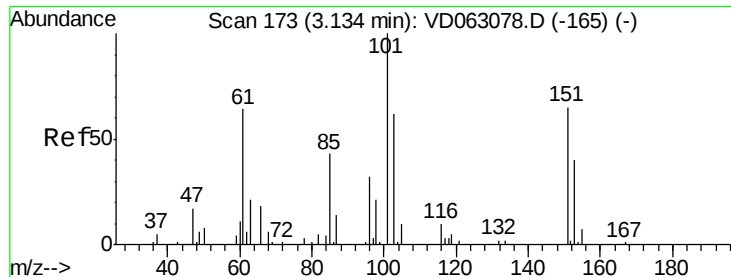
Diethyl Ether
 Concen: 20.289 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 74 Resp: 42455
 Ion Ratio Lower Upper
 74 100
 45 158.9 69.5 208.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.107 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

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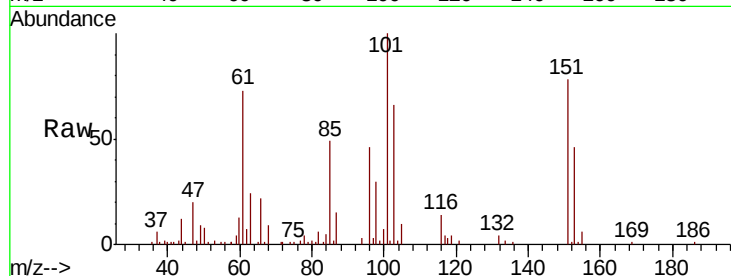
Tot Ion:101 Resp: 172464

Ion Ratio Lower Upper

101 100

85 48.6 34.6 51.8

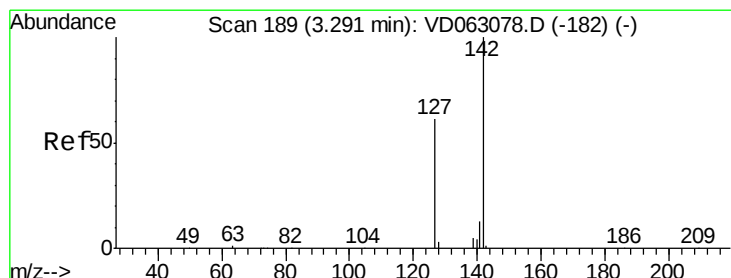
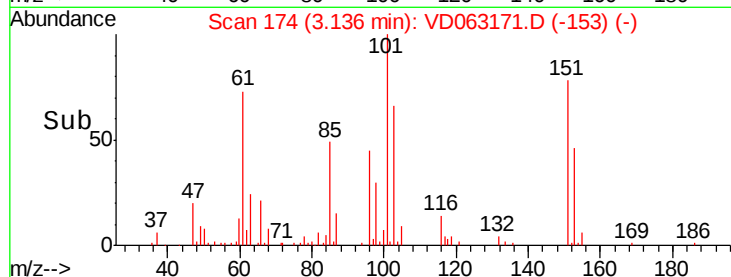
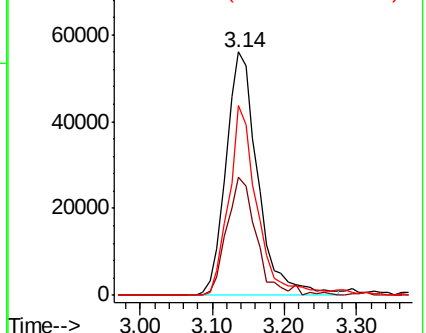
151 77.8 52.4 78.6



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: 20.011 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

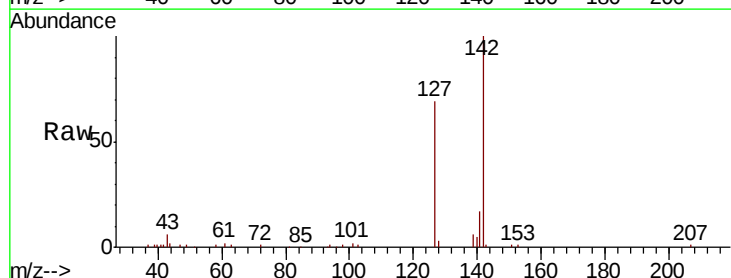
Tgt Ion:142 Resp: 210720

Ion Ratio Lower Upper

142 100

127 69.4 48.6 73.0

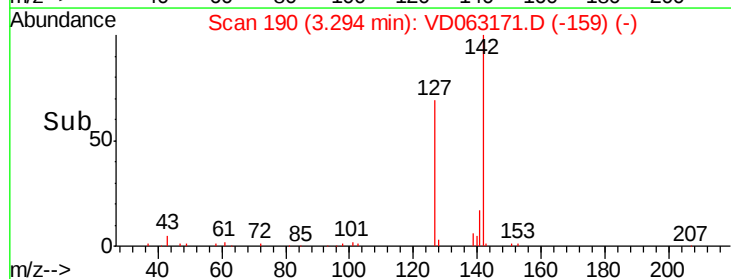
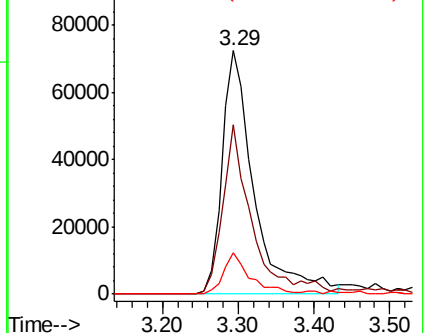
141 17.0 10.6 16.0#

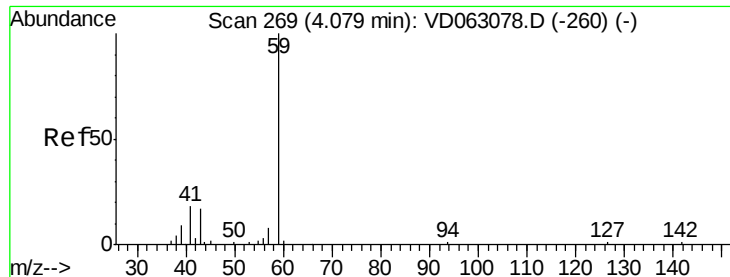


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

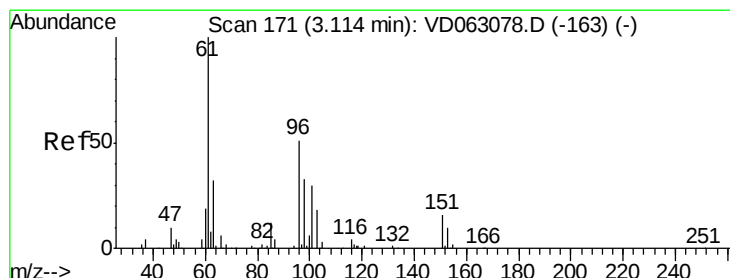
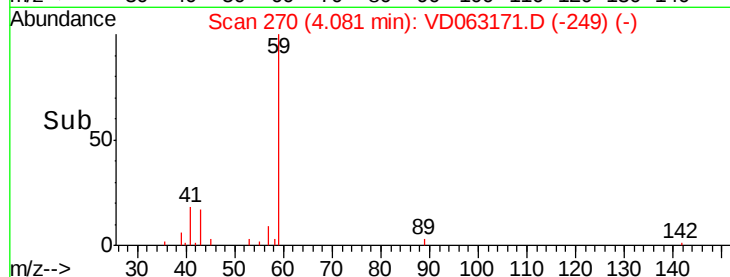
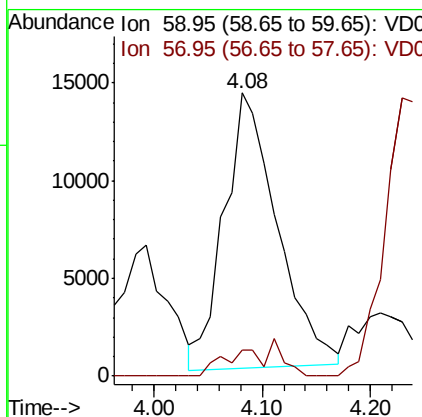
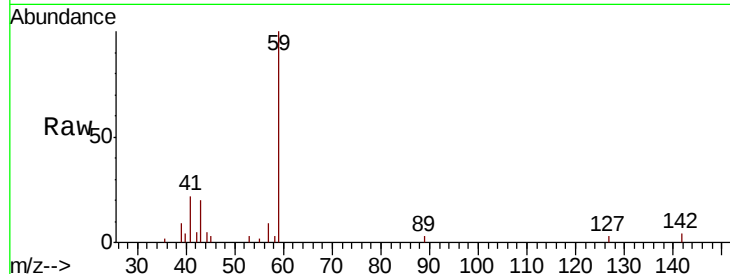




#11
Tert butyl alcohol
Concen: 97.290 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

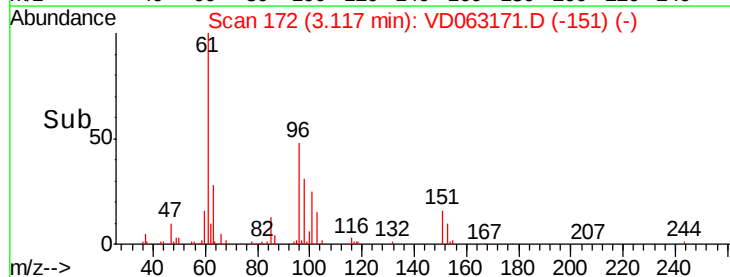
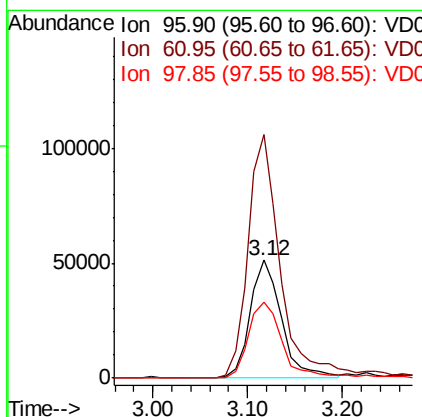
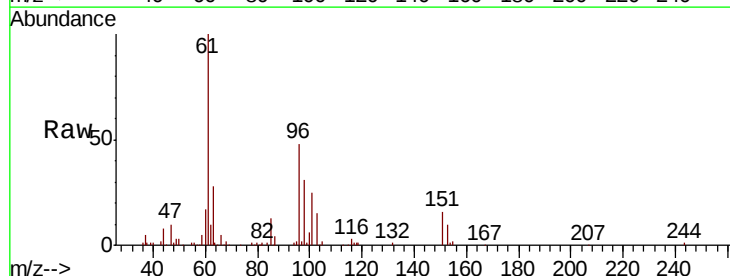
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

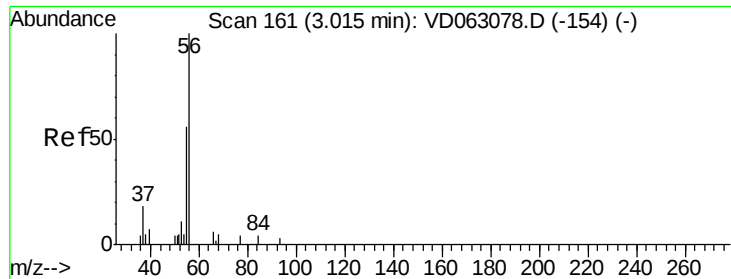
Tot Ion: 59 Resp: 48155
Ion Ratio Lower Upper
59 100
57 9.2 6.4 9.6



#12
1,1-Dichloroethene
Concen: 19.371 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 96 Resp: 117989
Ion Ratio Lower Upper
96 100
61 206.9 155.5 233.3
98 64.2 51.5 77.3





#13

Acrolein

Concen: 105.590 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

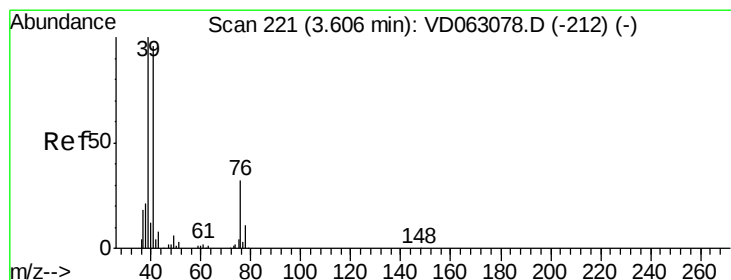
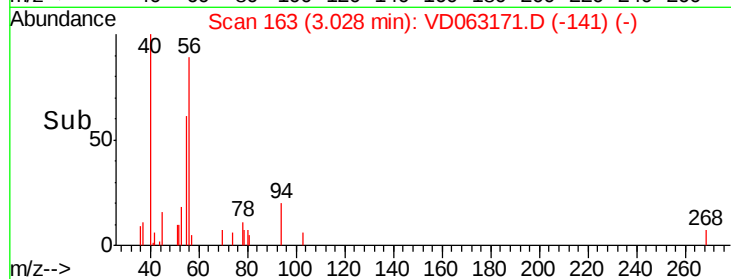
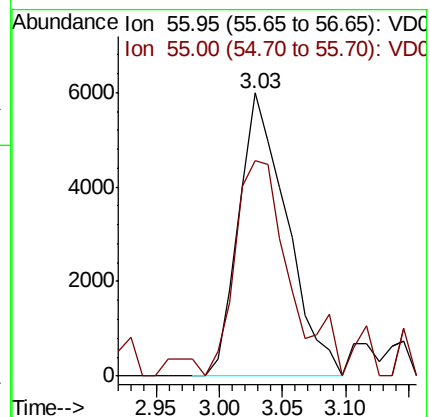
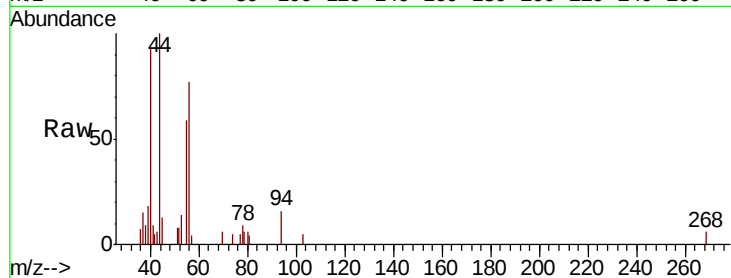
VD0722SBS01

Tot Ion: 56 Resp: 15774

Ion Ratio Lower Upper

56 100

55 76.0 53.0 79.4



#14

Allyl chloride

Concen: 21.991 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

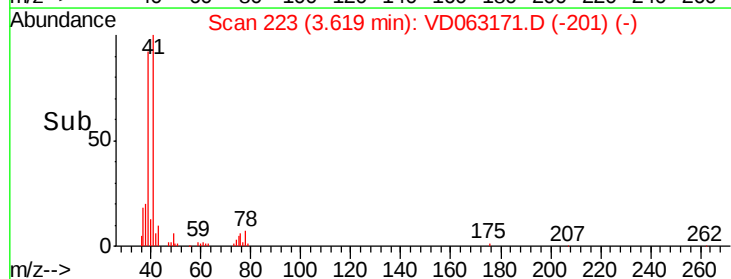
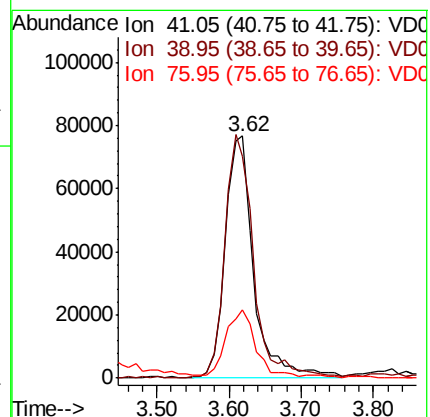
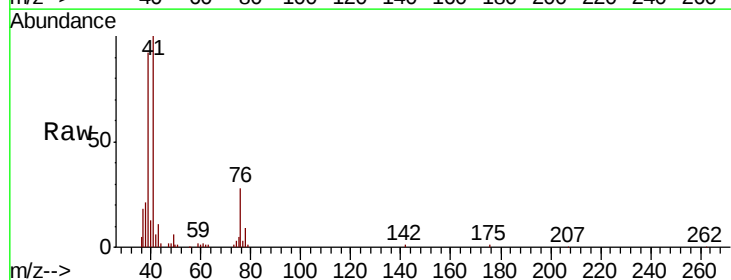
Tgt Ion: 41 Resp: 210514

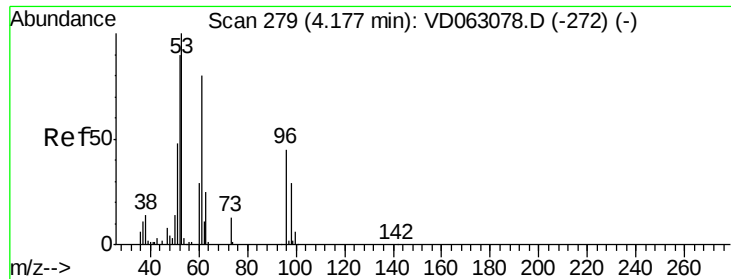
Ion Ratio Lower Upper

41 100

39 91.6 83.5 125.3

76 28.4 27.8 41.8





#15

Acrylonitrile

Concen: 105.595 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

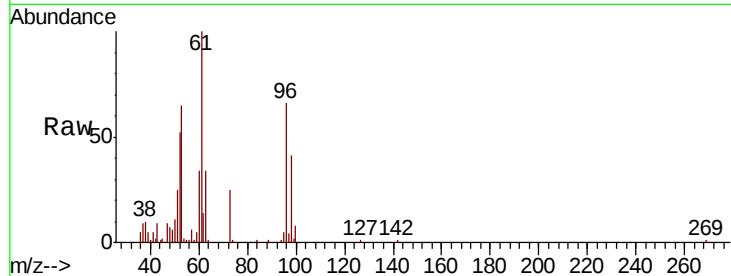
Tot Ion: 53 Resp: 115534

Ion Ratio Lower Upper

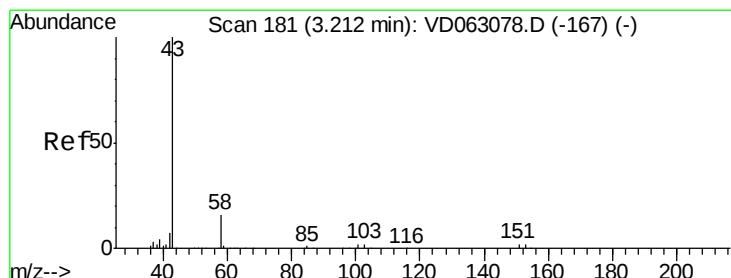
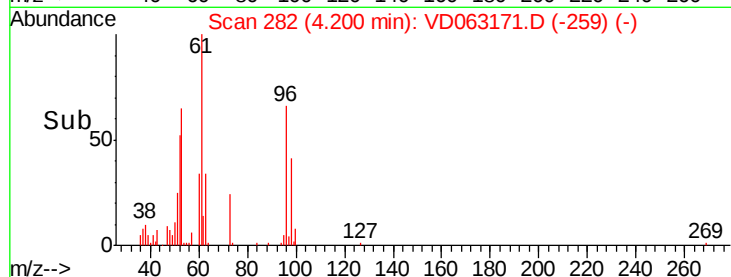
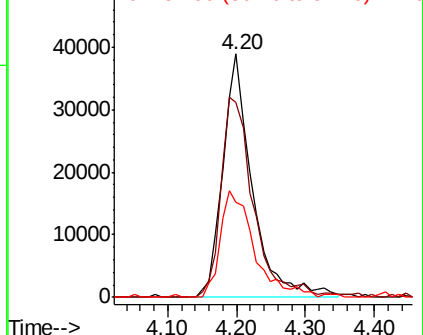
53 100

52 79.9 72.3 108.5

51 39.3 38.0 57.0



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: 98.538 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063171.D

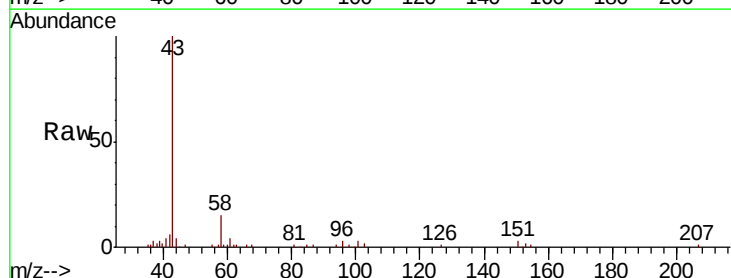
Acq: 22 Jul 2019 12:35

Tgt Ion: 43 Resp: 204122

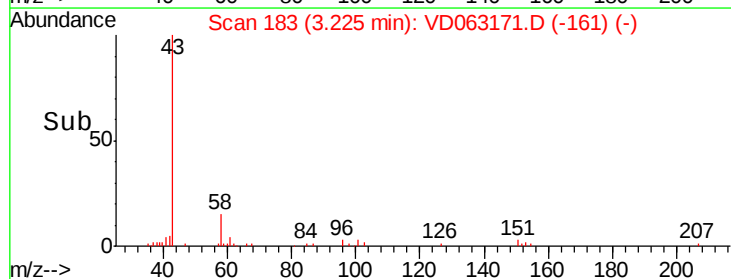
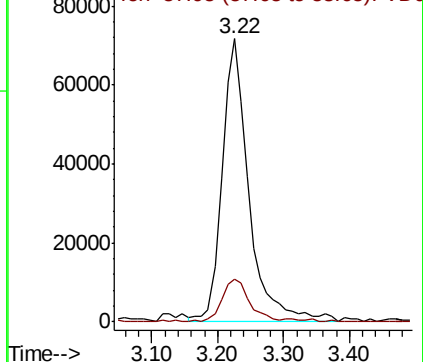
Ion Ratio Lower Upper

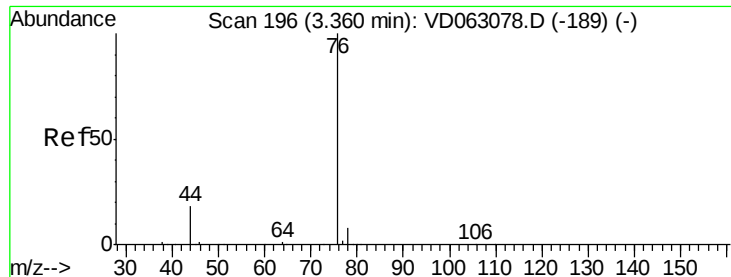
43 100

58 15.0 13.0 19.4



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

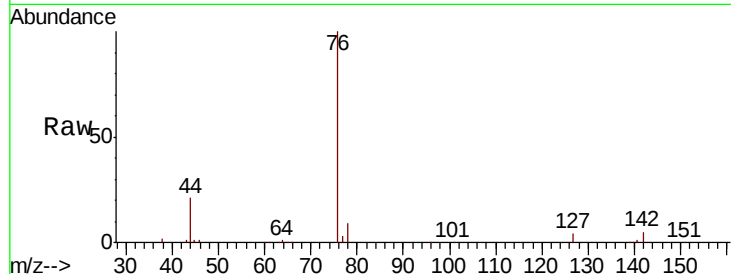




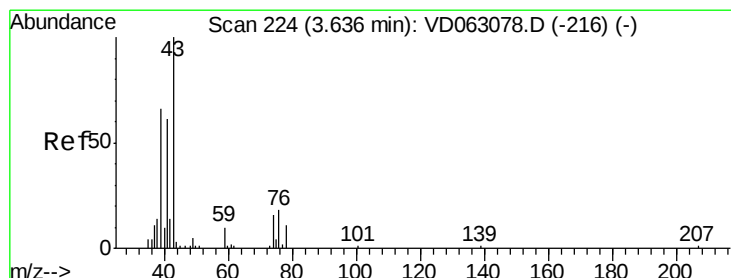
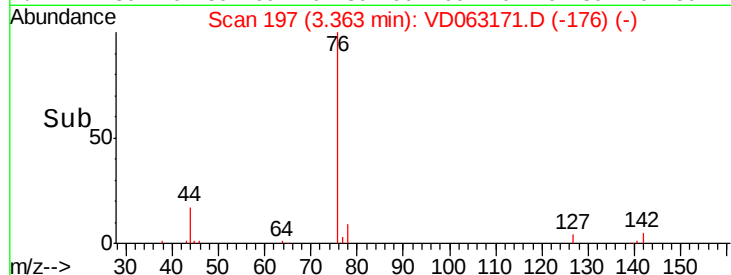
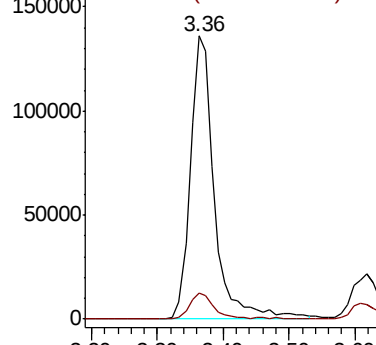
#17
Carbon Disulfide
Concen: 19.736 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion: 76 Resp: 344080
Ion Ratio Lower Upper
76 100
78 9.1 6.7 10.1

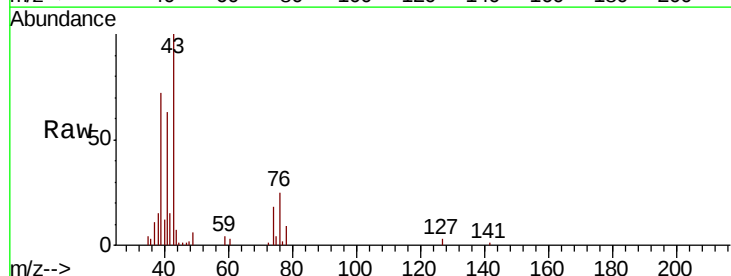


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

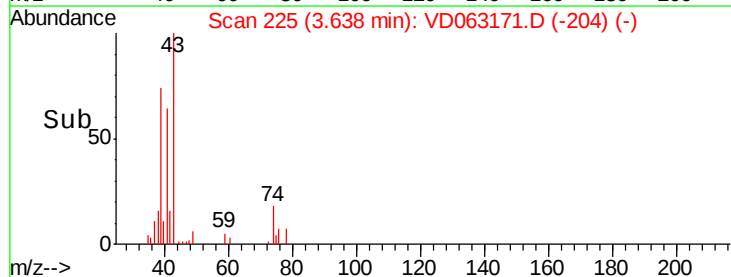
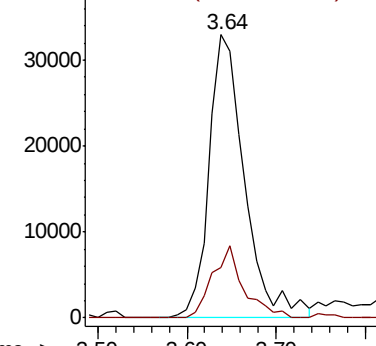


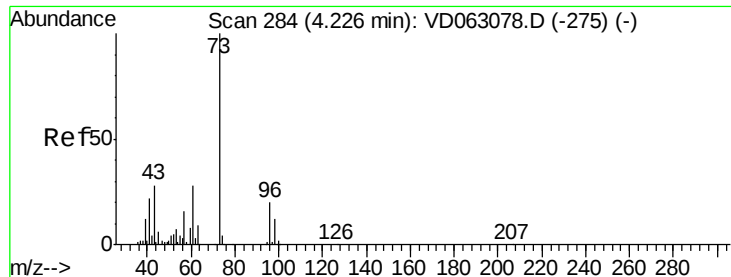
#18
Methyl Acetate
Concen: 30.918 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 43 Resp: 91074
Ion Ratio Lower Upper
43 100
74 17.7 12.5 18.7



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



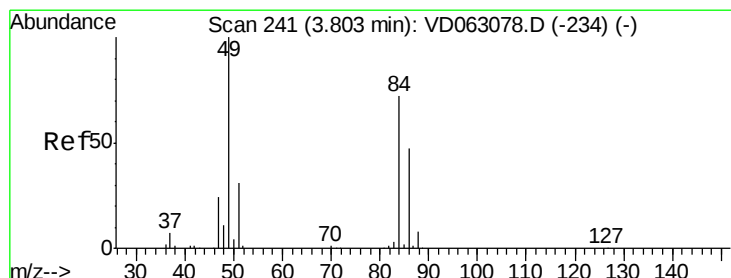
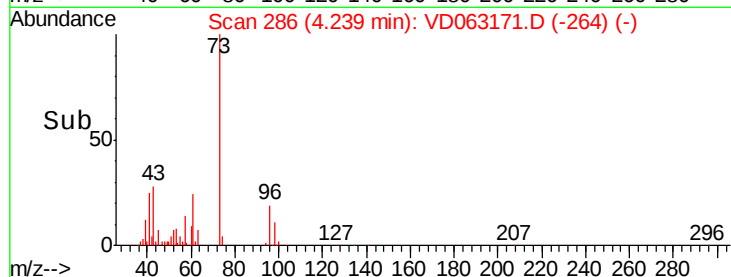
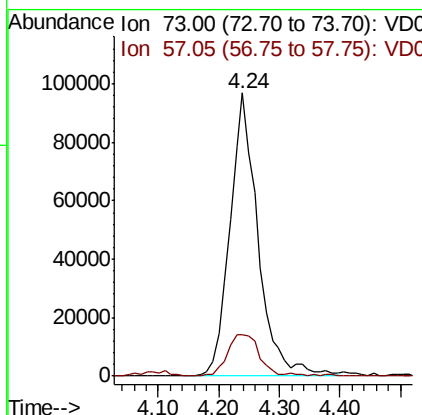
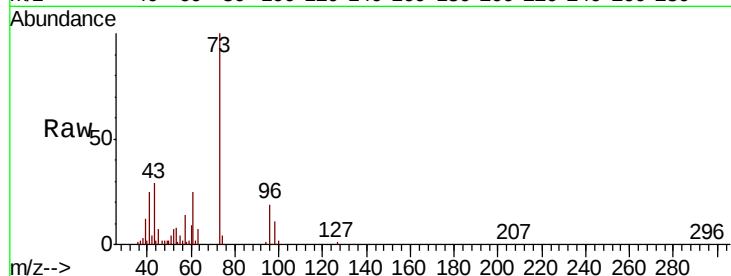


#19

Methyl tert-butyl Ether
 Concen: 20.331 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

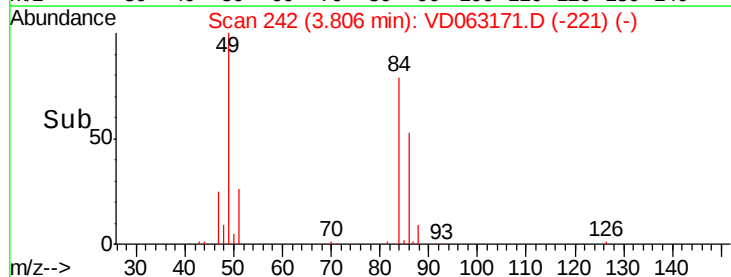
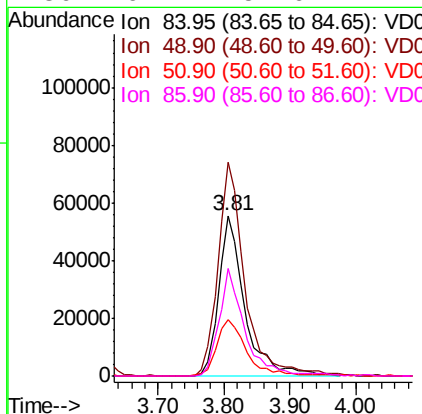
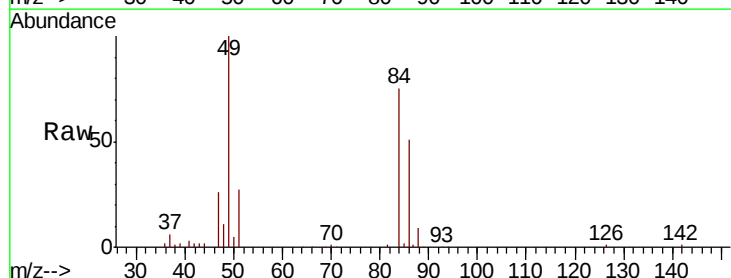
Tot Ion: 73 Resp: 312601
 Ion Ratio Lower Upper
 73 100
 57 14.5 13.1 19.7

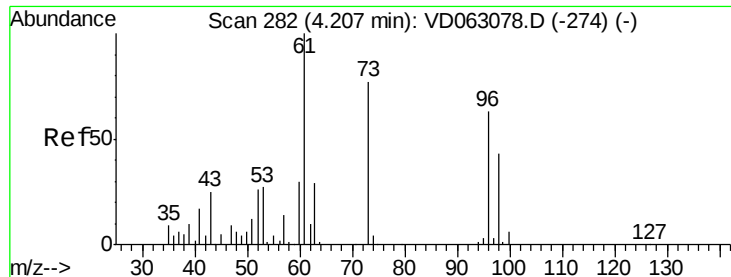


#20

Methylene Chloride
 Concen: 19.523 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 84 Resp: 152790
 Ion Ratio Lower Upper
 84 100
 49 133.2 110.5 165.7
 51 35.3 34.6 51.8
 86 67.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 21.881 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

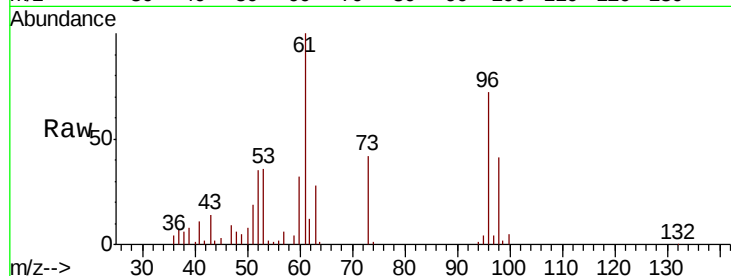
Tot Ion: 96 Resp: 147948

Ion Ratio Lower Upper

96 100

61 139.8 128.0 192.0

98 56.8 55.2 82.8

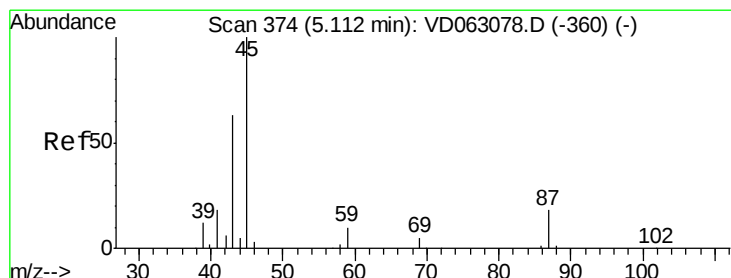
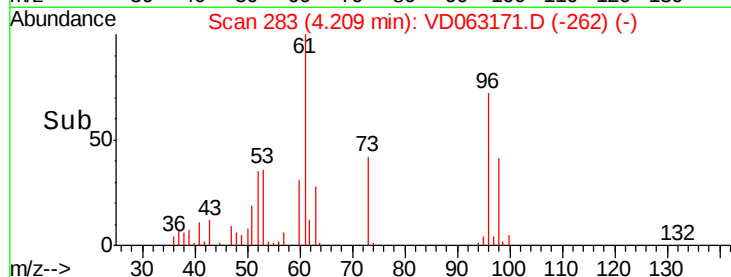
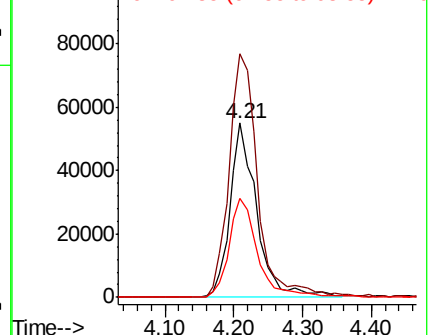


Abundance

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: 20.882 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Tgt Ion: 45 Resp: 434610

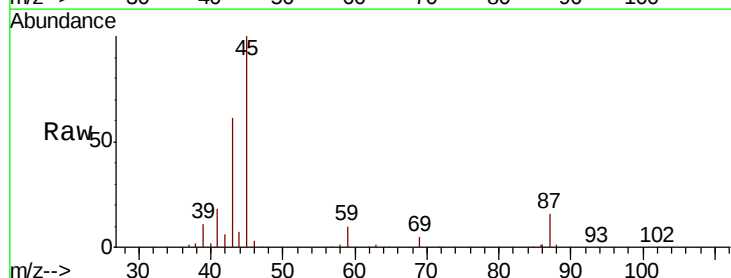
Ion Ratio Lower Upper

45 100

43 61.4 50.5 75.7

87 16.5 15.1 22.7

59 9.9 7.6 11.4



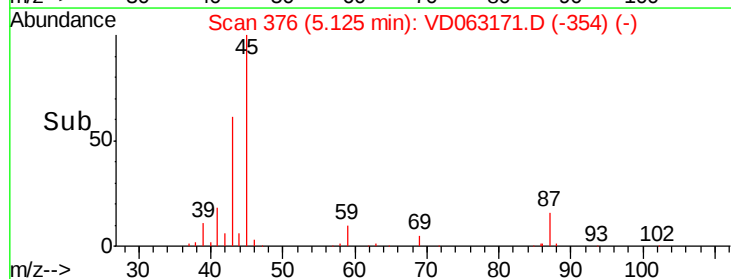
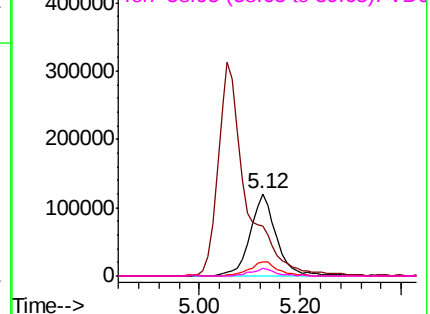
Abundance

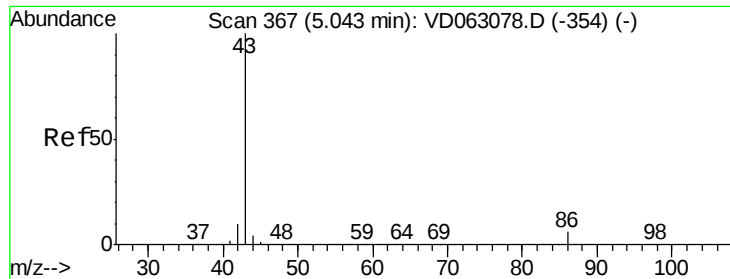
Ion 45.05 (44.75 to 45.75): VDC

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: 98.774 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

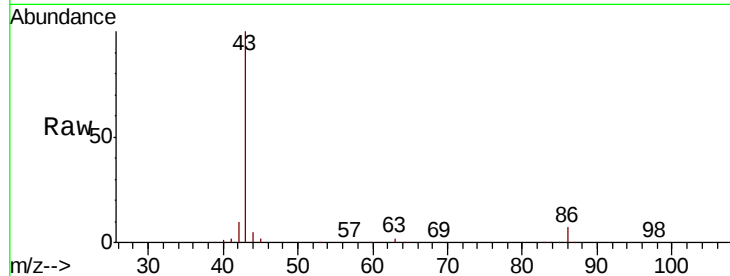
VD0722SBS01

Tot Ion: 43 Resp: 1199382

Ion Ratio Lower Upper

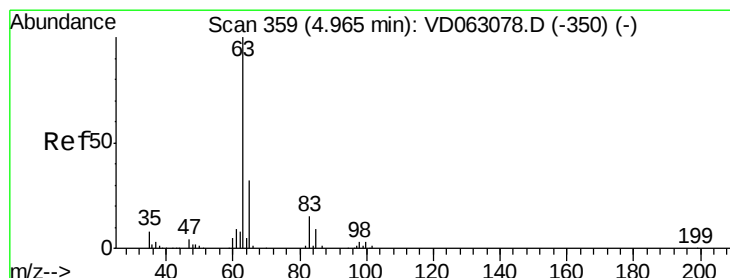
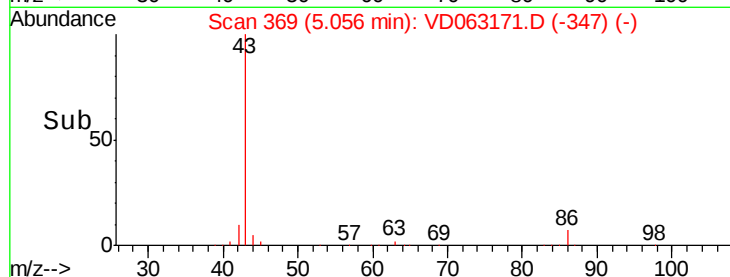
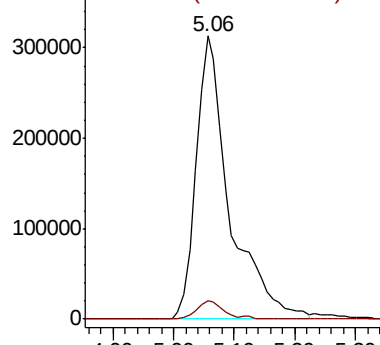
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.542 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

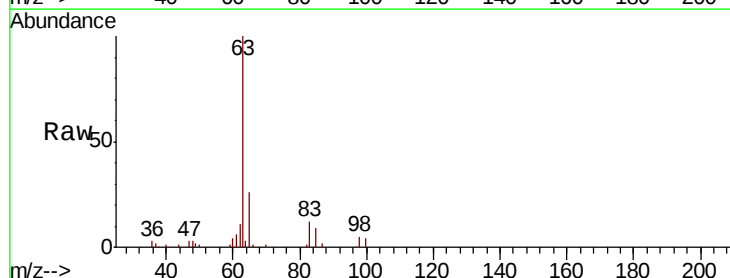
Tgt Ion: 63 Resp: 276181

Ion Ratio Lower Upper

63 100

98 4.9 1.7 5.1

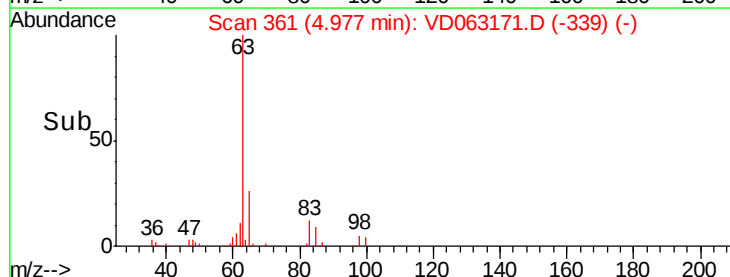
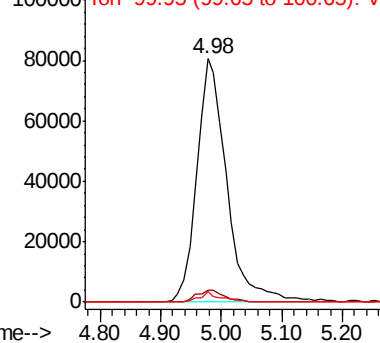
100 4.2 1.5 4.5

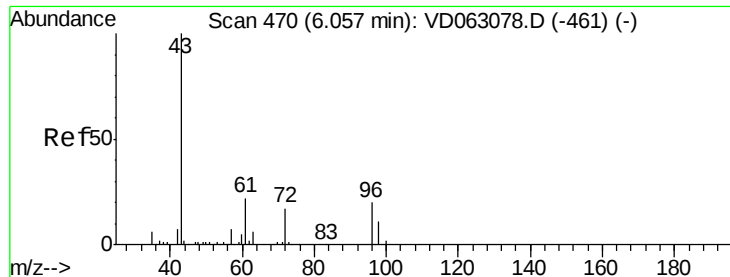


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 93.004 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

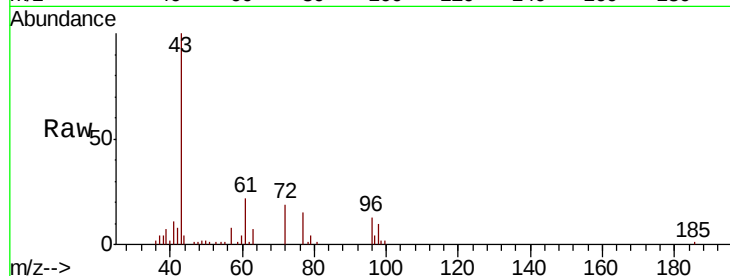
VD0722SBSD01

Tot Ion: 43 Resp: 183973

Ion Ratio Lower Upper

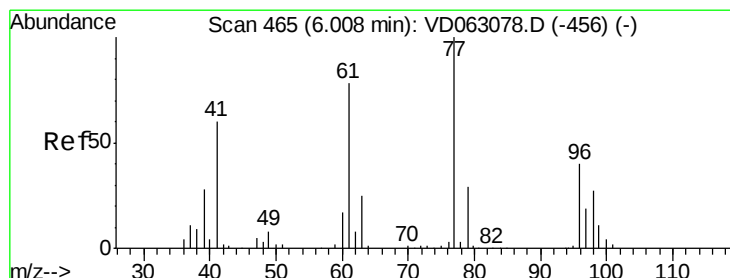
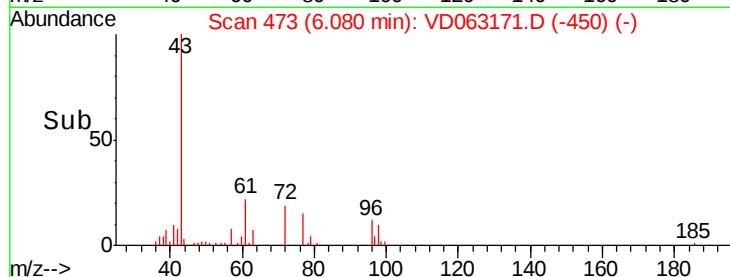
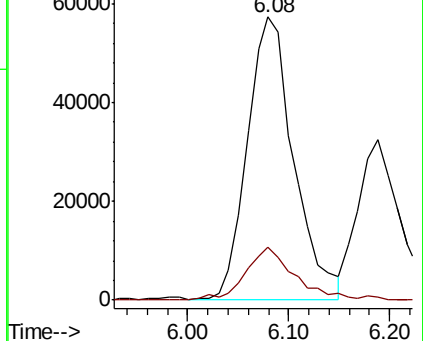
43 100

72 18.8 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.873 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063171.D

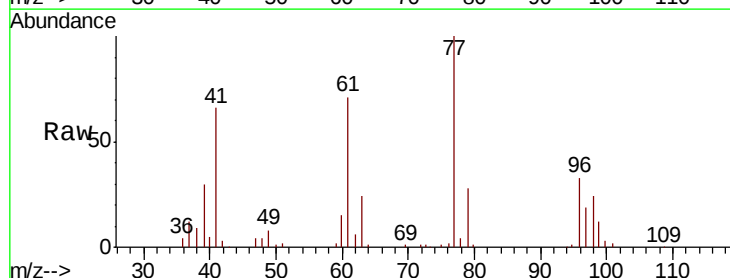
Acq: 22 Jul 2019 12:35

Tgt Ion: 77 Resp: 296171

Ion Ratio Lower Upper

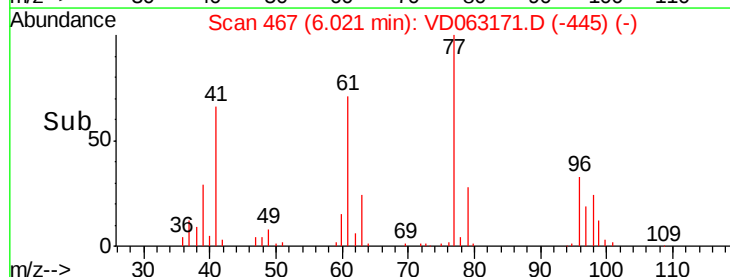
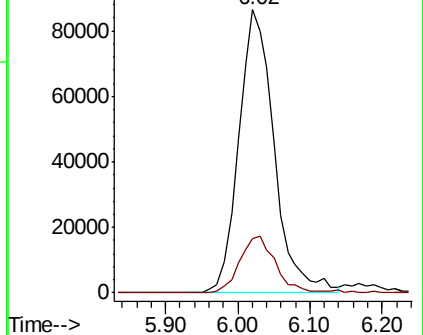
77 100

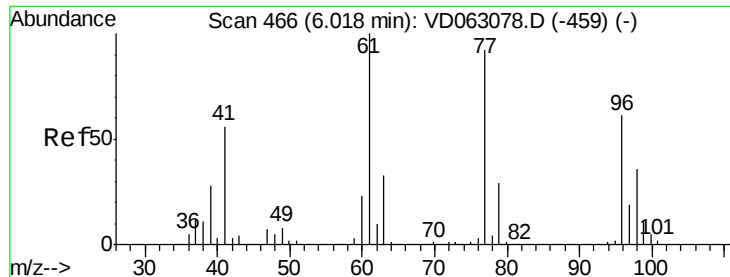
97 19.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

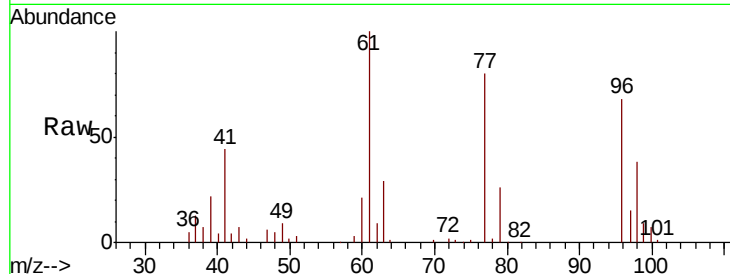




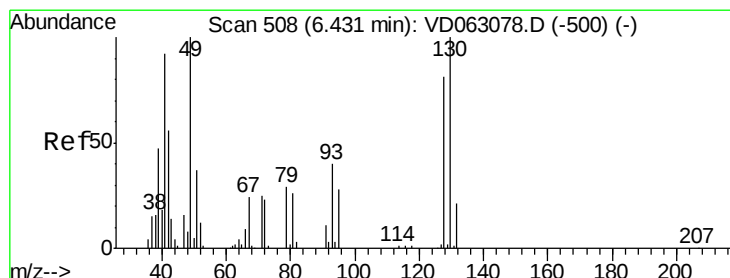
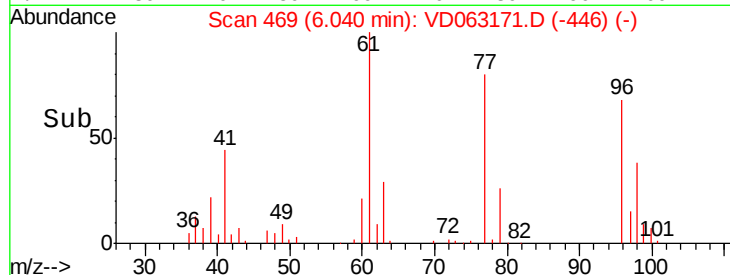
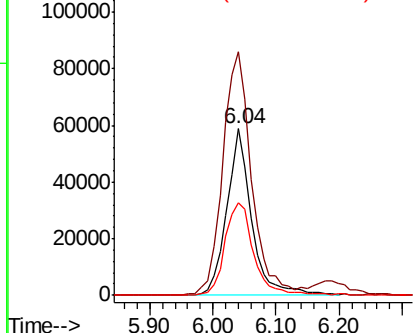
#27
 cis-1,2-Dichloroethene
 Concen: 20.766 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

Tot Ion: 96 Resp: 159722
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 329.6
 98 55.4 0.0 118.4

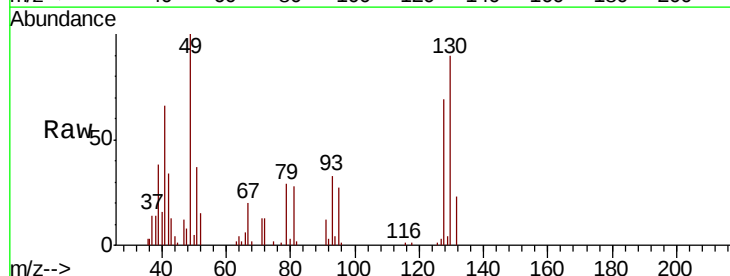


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

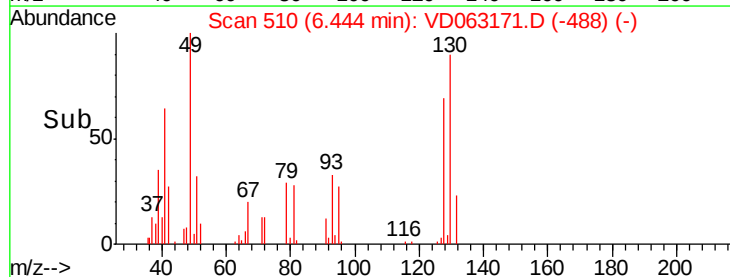
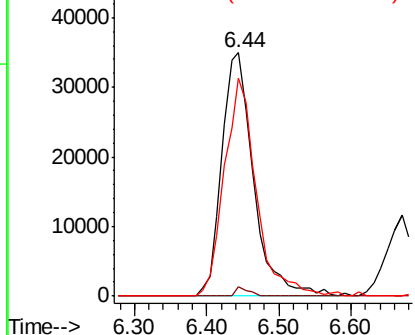


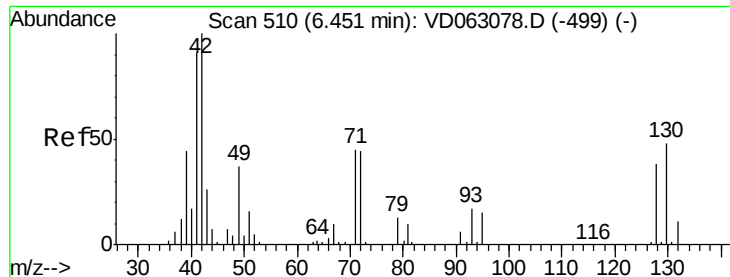
#28
 Bromochloromethane
 Concen: 22.941 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 49 Resp: 106702
 Ion Ratio Lower Upper
 49 100
 129 4.0 0.0 3.6#
 130 89.8 80.3 120.5



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

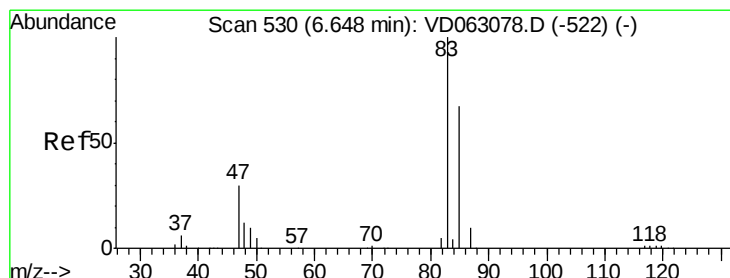
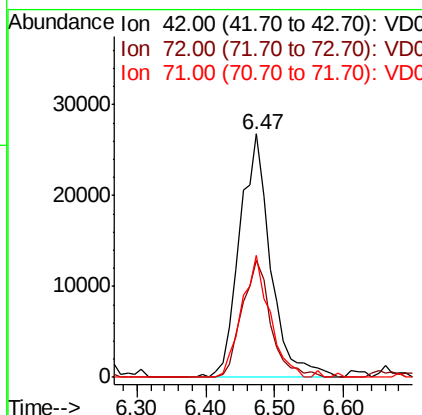
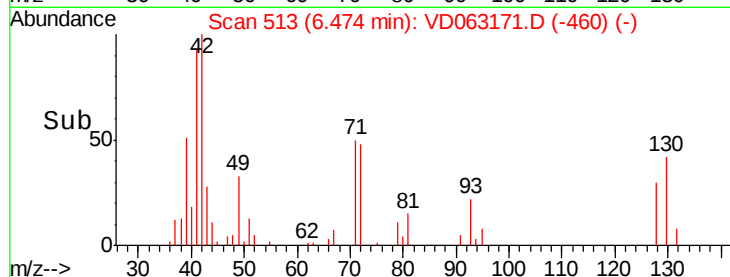
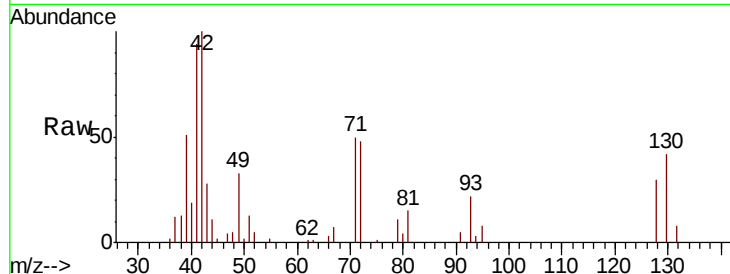




#29
Tetrahydrofuran
Concen: 93.180 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

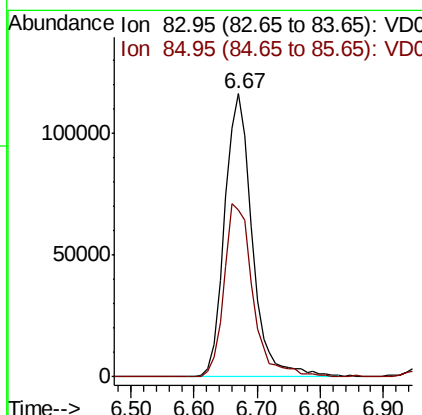
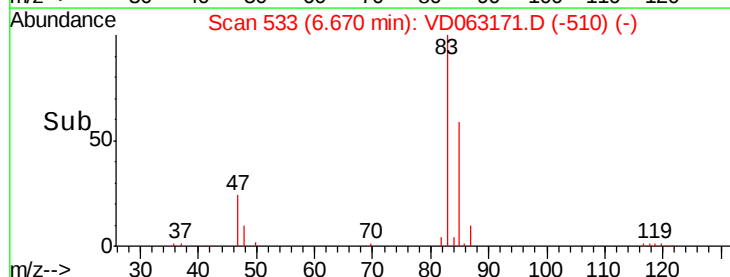
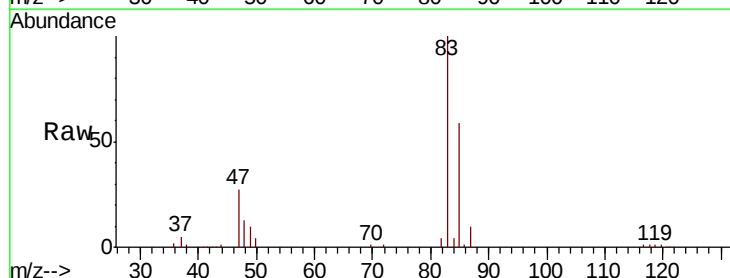
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

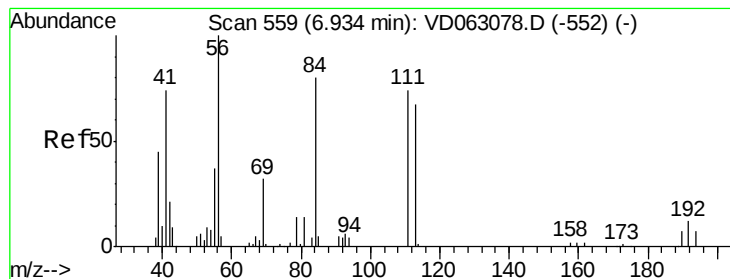
Tot Ion: 42 Resp: 83554
Ion Ratio Lower Upper
42 100
72 44.7 33.7 50.5
71 45.1 34.2 51.2



#30
Chloroform
Concen: 22.332 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 83 Resp: 352600
Ion Ratio Lower Upper
83 100
85 58.9 53.8 80.8





#31

Cyclohexane

Concen: 20.202 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

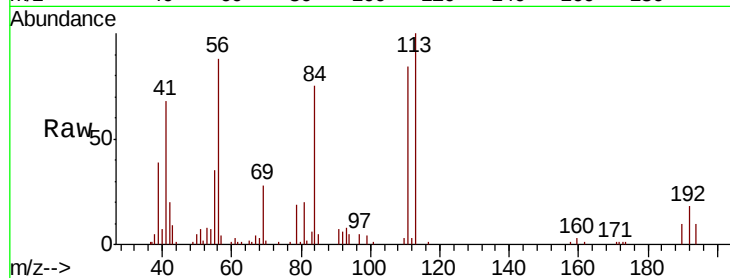
Tot Ion: 56 Resp: 164947

Ion Ratio Lower Upper

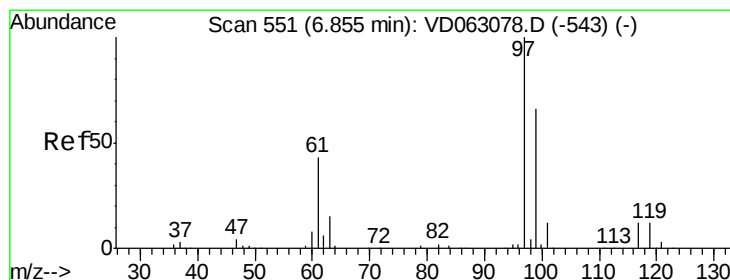
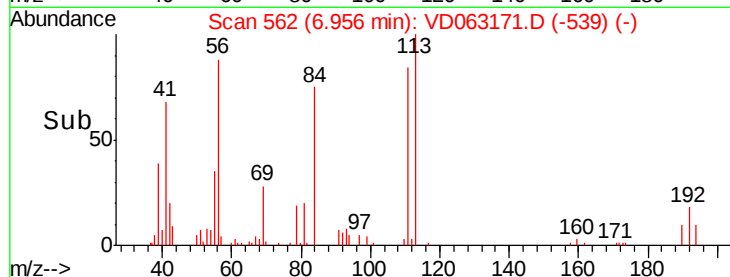
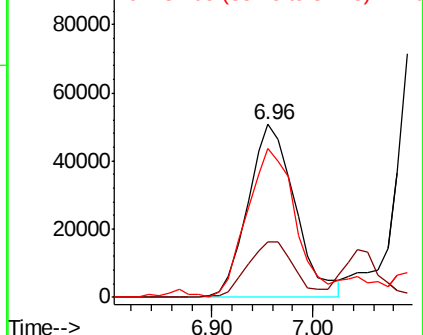
56 100

69 32.1 25.3 37.9

84 86.0 64.2 96.4



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: 21.164 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

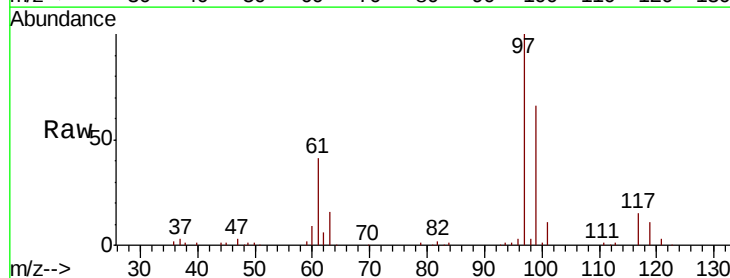
Tgt Ion: 97 Resp: 329520

Ion Ratio Lower Upper

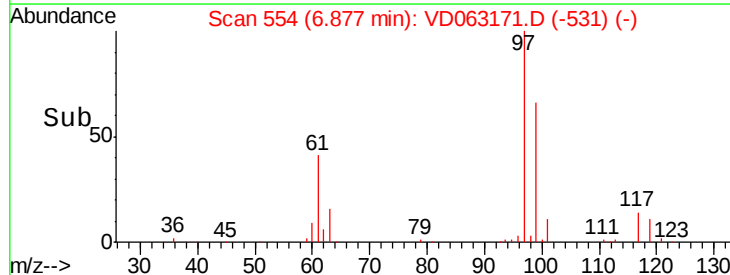
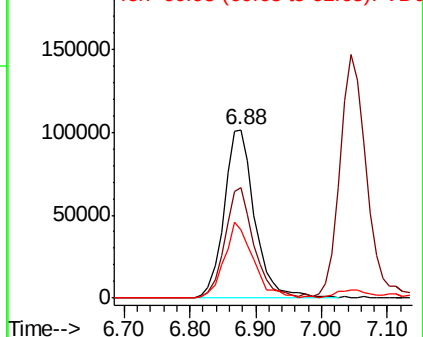
97 100

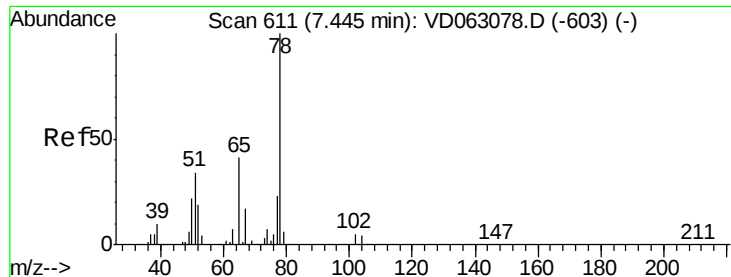
99 65.5 52.9 79.3

61 40.6 34.4 51.6



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

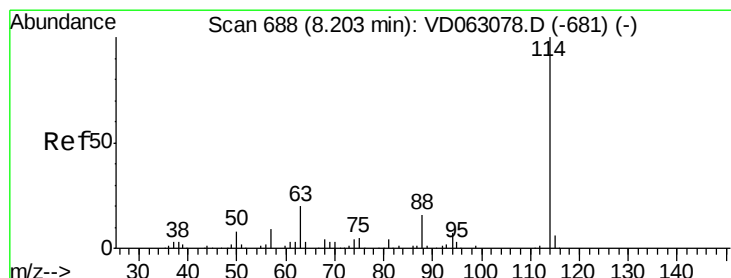
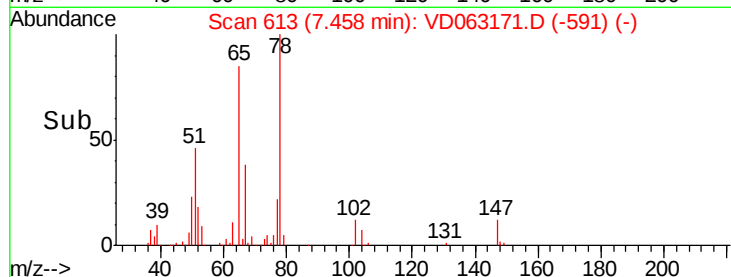
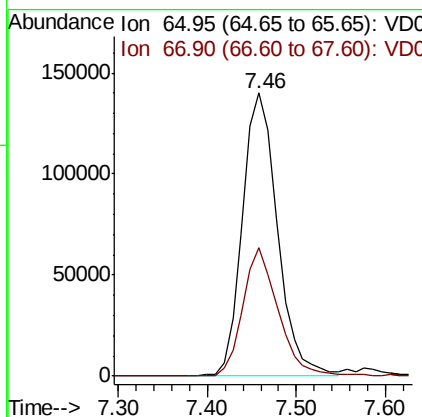
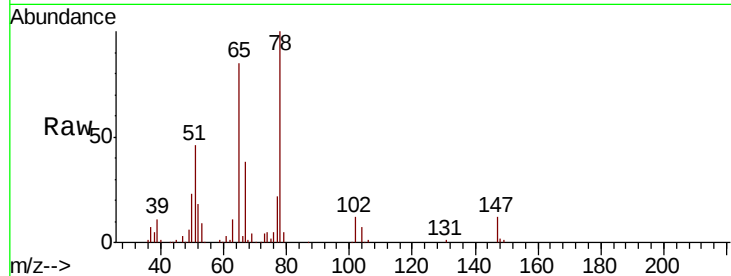




#33
 1,2-Dichloroethane-d4
 Concen: 44.459 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

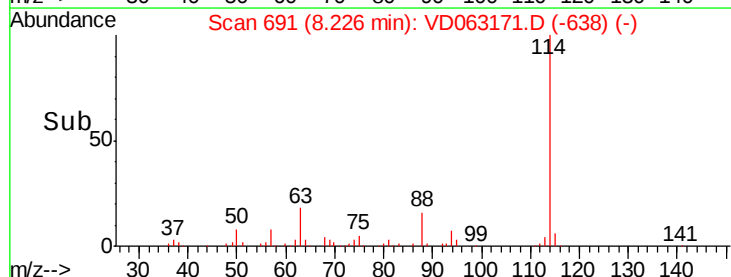
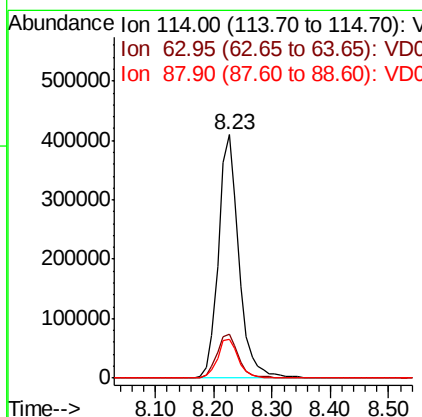
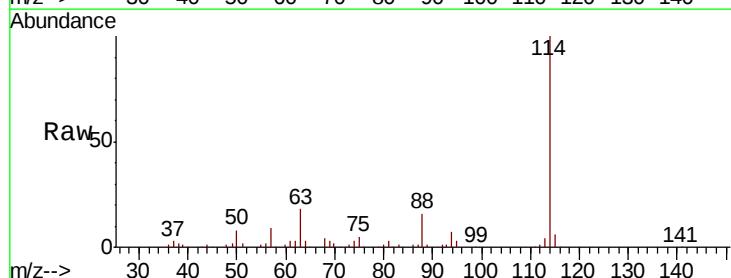
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

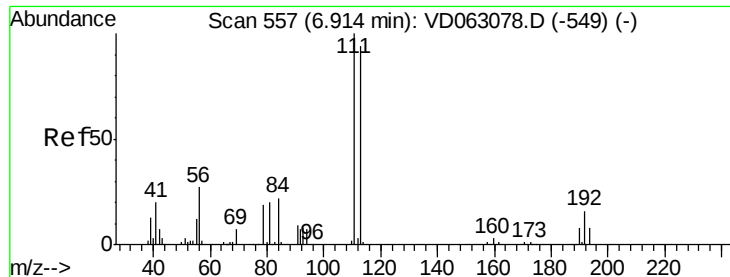
Tot Ion: 65 Resp: 381311
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 114 Resp: 995687
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.6
 88 16.0 0.0 32.6

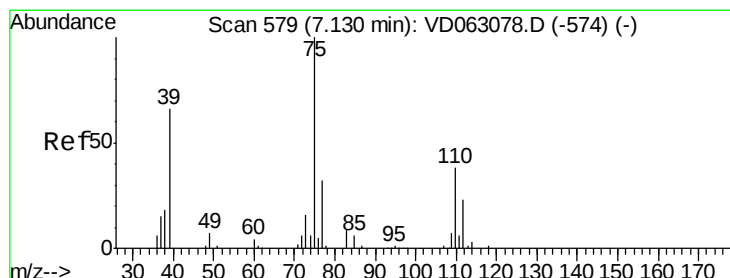
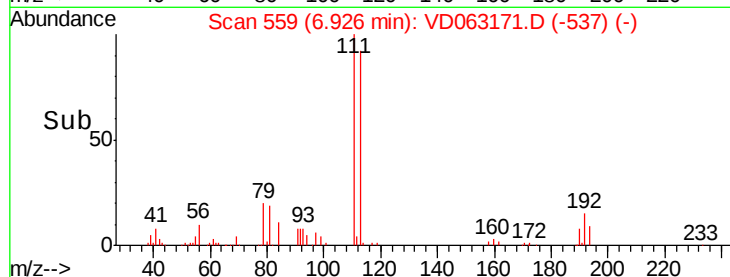
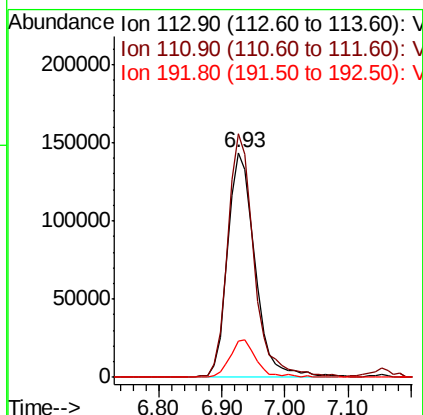
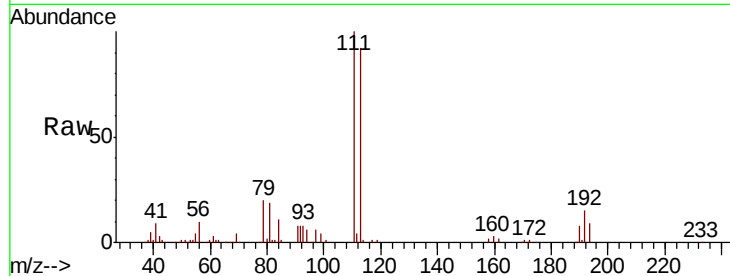




#35
 Dibromofluoromethane
 Concen: 43.403 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

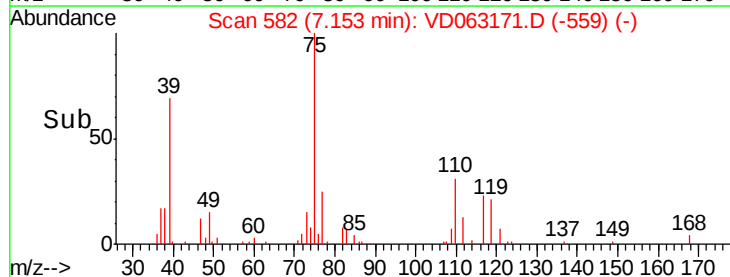
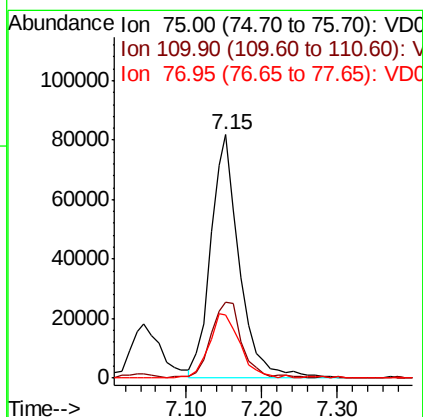
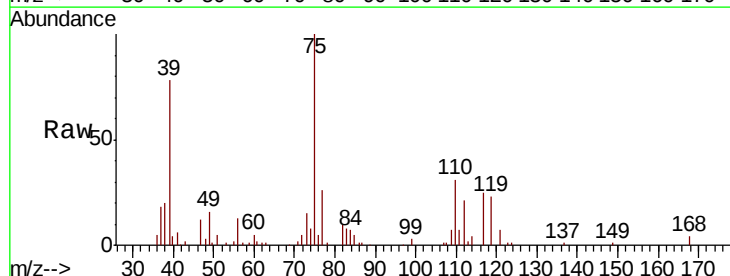
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

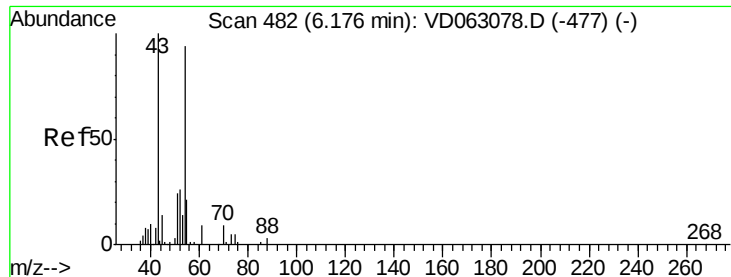
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.5	84.8	127.2
192	16.3	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 19.319 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	18.9	56.5
77	25.8	25.2	37.8

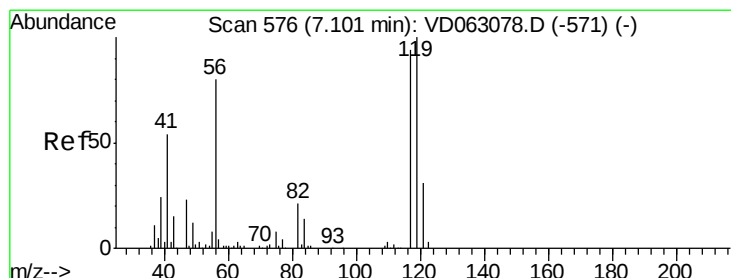
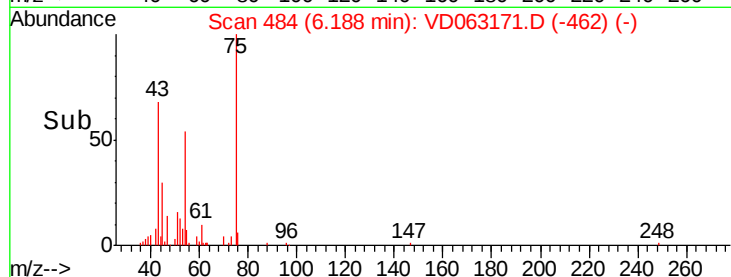
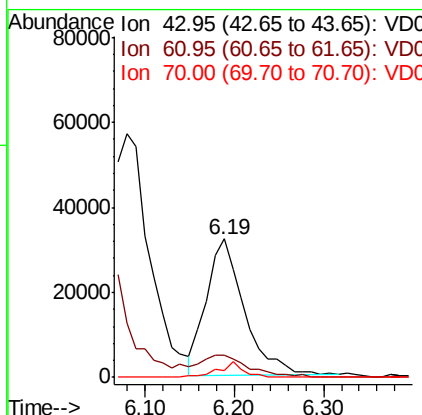
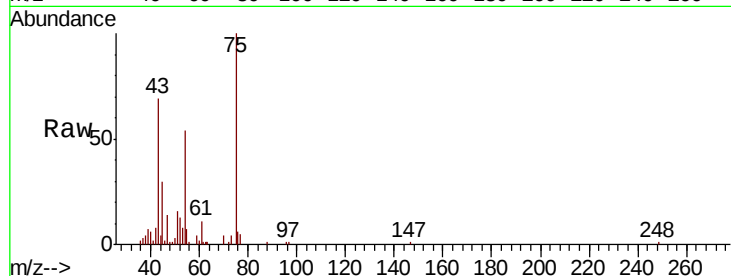




#37
Ethyl Acetate
Concen: 19.662 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

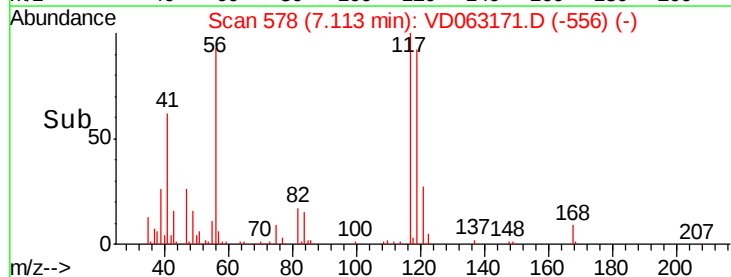
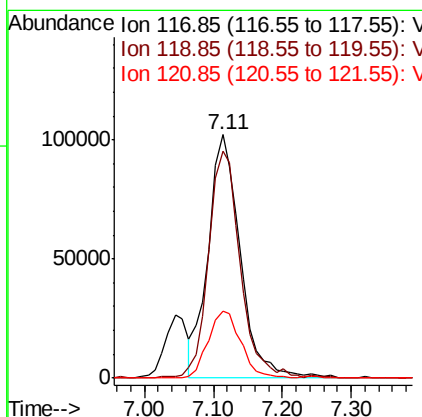
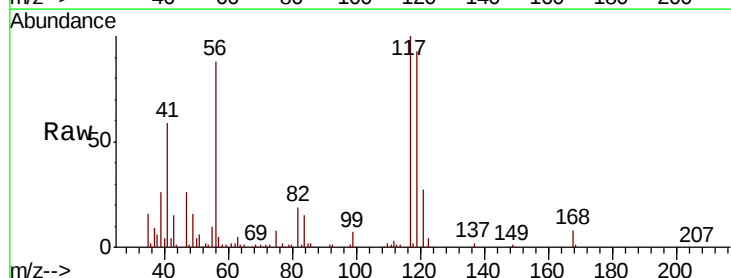
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

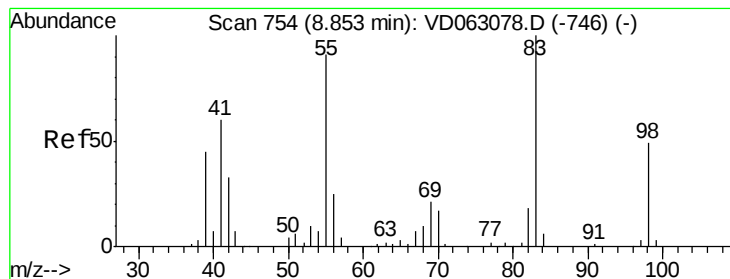
Tot Ion: 43 Resp: 94230
Ion Ratio Lower Upper
43 100
61 15.8 10.6 16.0
70 5.3 6.6 9.8#



#38
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 117 Resp: 328107
Ion Ratio Lower Upper
117 100
119 93.3 80.0 120.0
121 27.5 25.0 37.4





#39

Methvlcvclohexane

Concen: 19.309 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

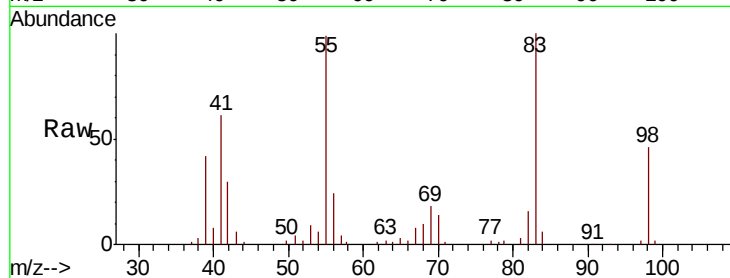
Tot Ion: 83 Resp: 186937

Ion Ratio Lower Upper

83 100

55 99.0 73.0 109.4

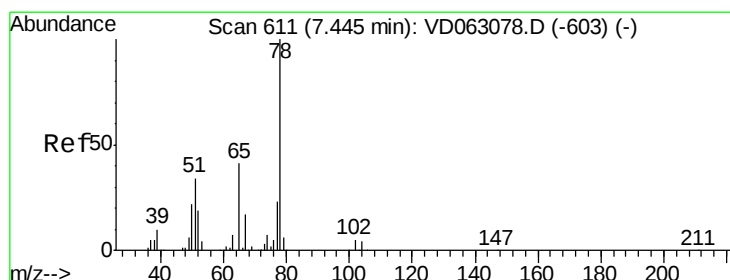
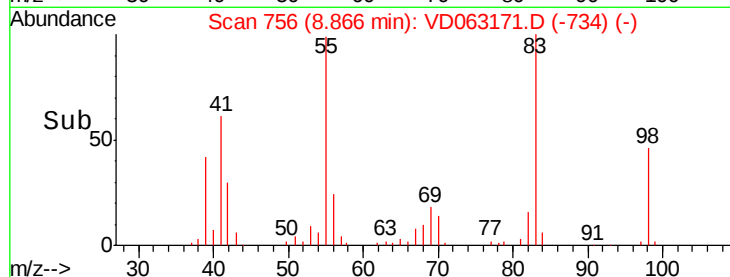
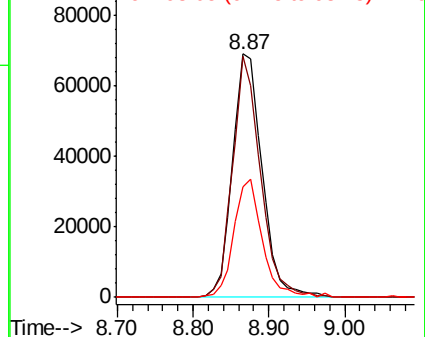
98 45.5 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.835 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063171.D

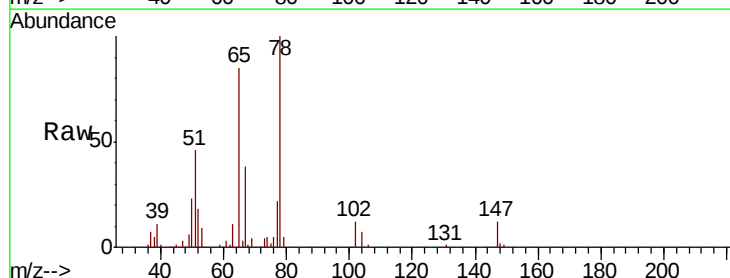
Acq: 22 Jul 2019 12:35

Tgt Ion: 78 Resp: 465211

Ion Ratio Lower Upper

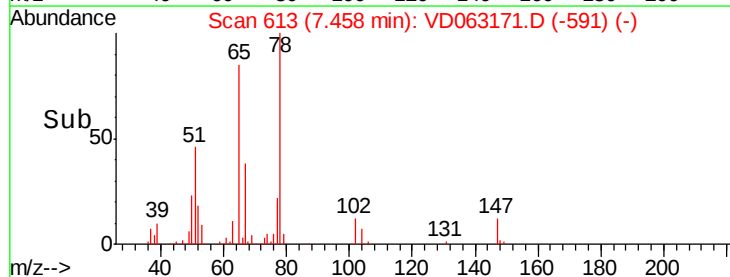
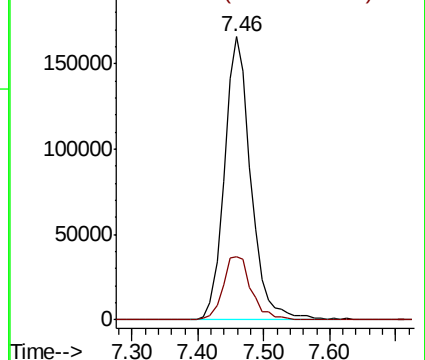
78 100

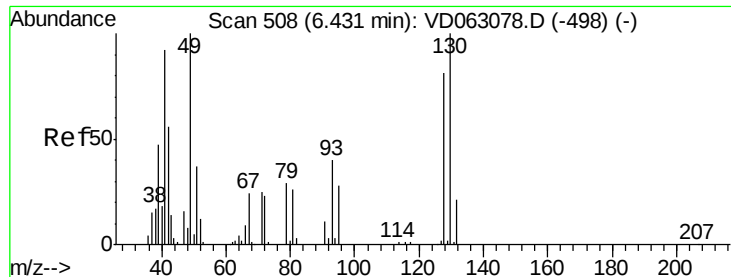
77 22.5 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 17.923 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 41 Resp: 116457

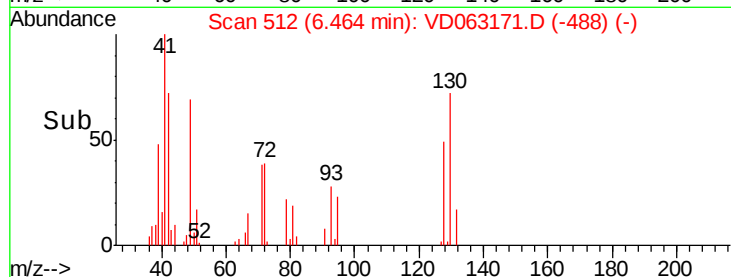
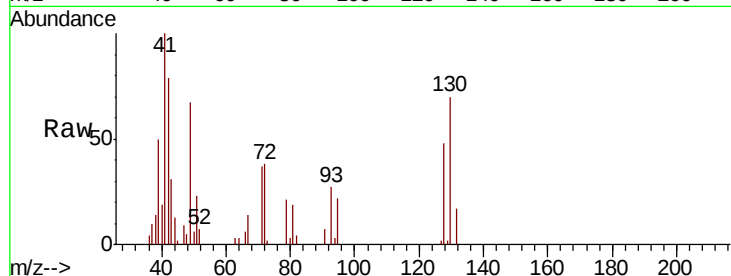
Ion Ratio Lower Upper

41 100

39 49.7 41.0 61.6

67 14.2 21.3 31.9#

52 7.3 10.5 15.7#

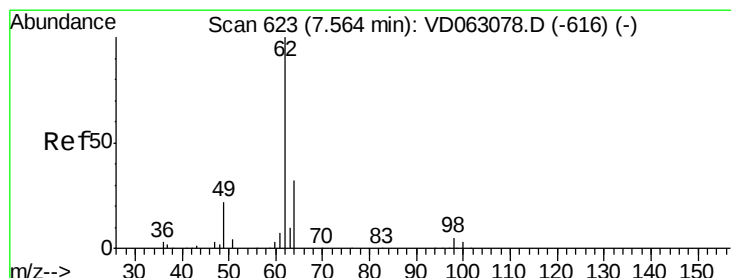
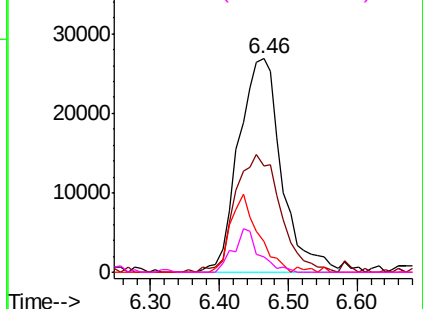


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.799 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD063171.D

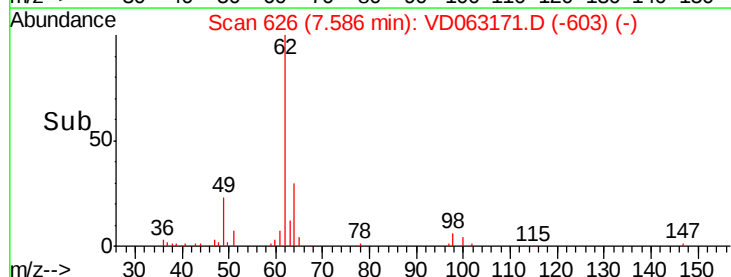
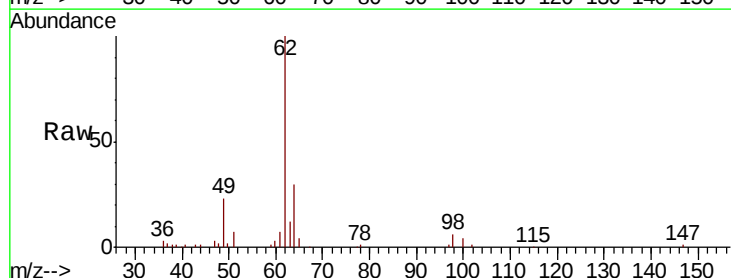
Acq: 22 Jul 2019 12:35

Tgt Ion: 62 Resp: 234904

Ion Ratio Lower Upper

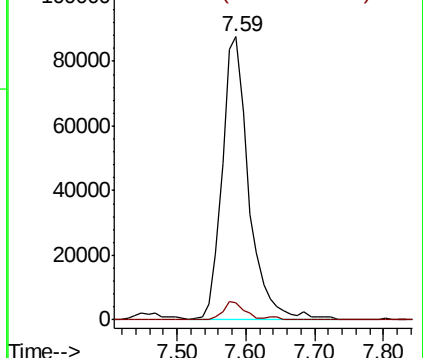
62 100

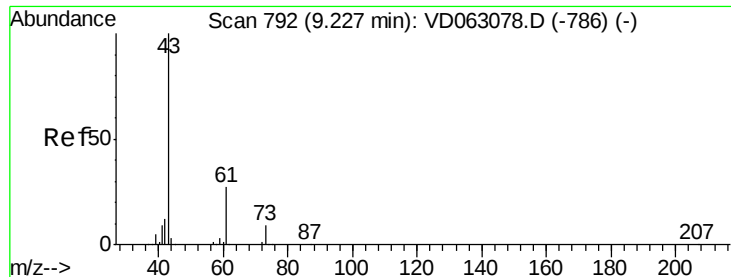
98 5.9 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



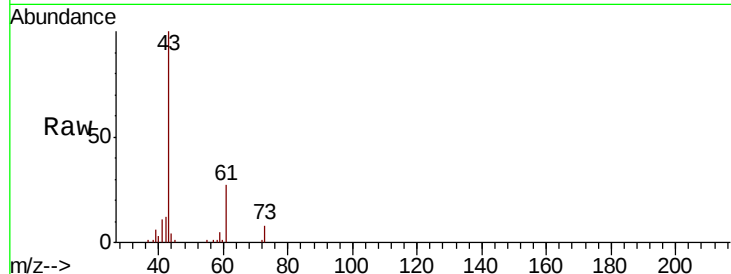


#43

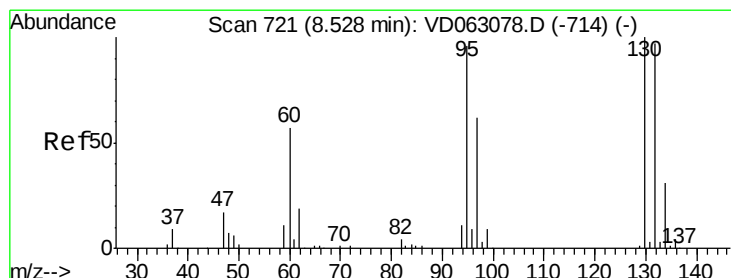
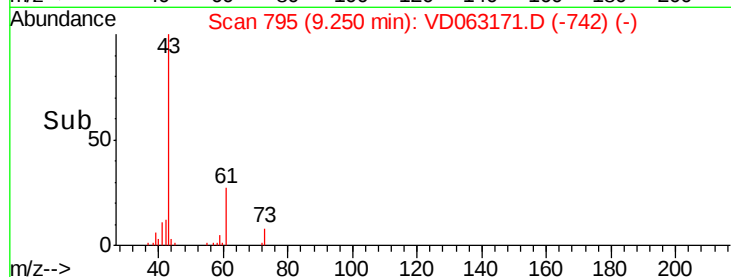
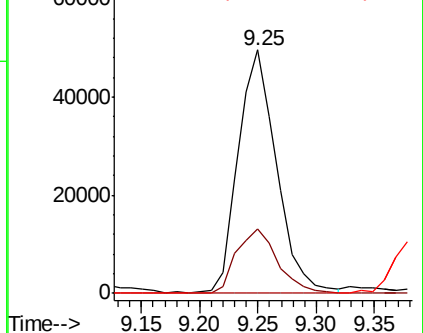
Isopropyl Acetate
 Concen: 16.502 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion: 43 Resp: 113359
 Ion Ratio Lower Upper
 43 100
 61 26.6 21.7 32.5
 87 0.0 0.2 0.4#



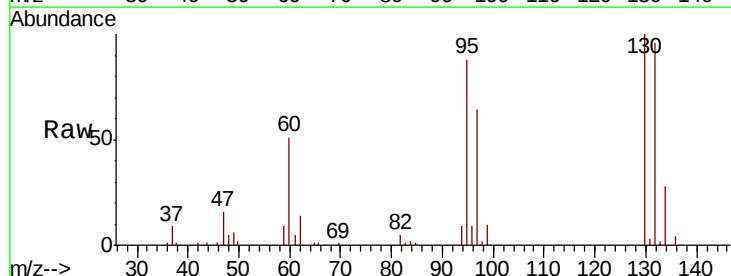
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



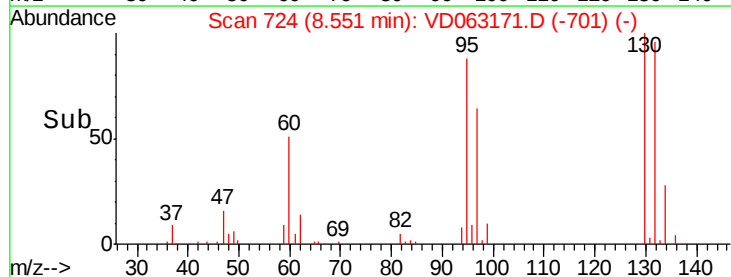
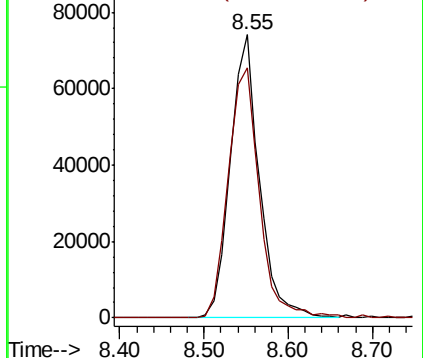
#44

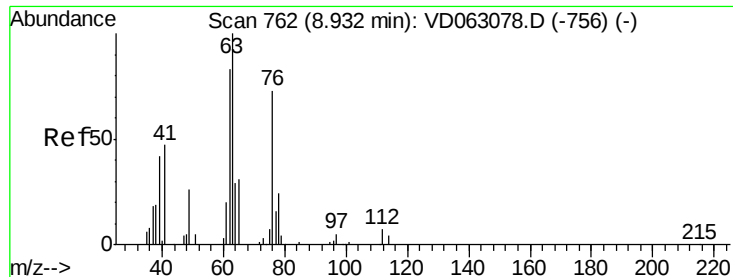
Trichloroethene
 Concen: 19.596 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 130 Resp: 177618
 Ion Ratio Lower Upper
 130 100
 95 88.3 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 18.787 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

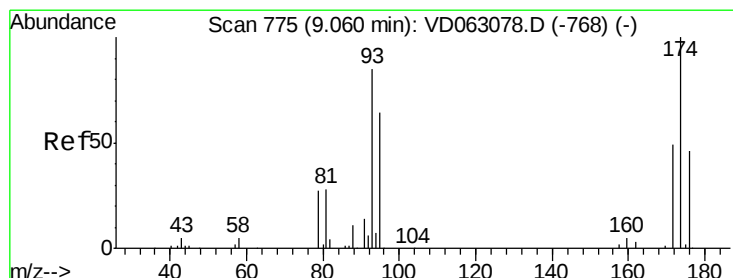
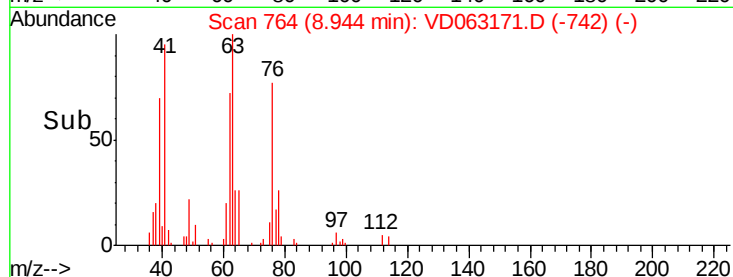
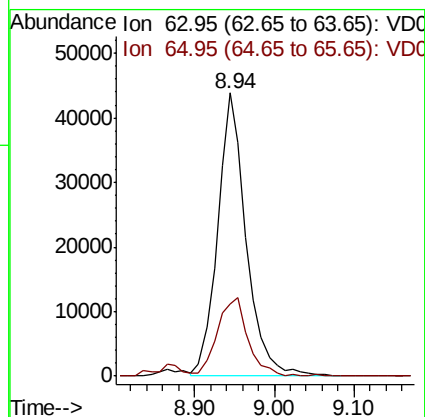
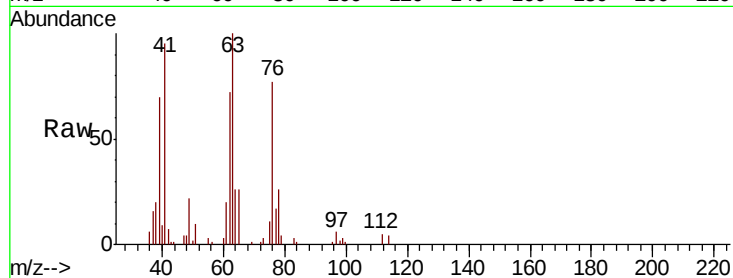
VD0722SBS01

Tot Ion: 63 Resp: 109860

Ion Ratio Lower Upper

63 100

65 25.6 26.3 39.5#



#46

Dibromomethane

Concen: 20.080 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

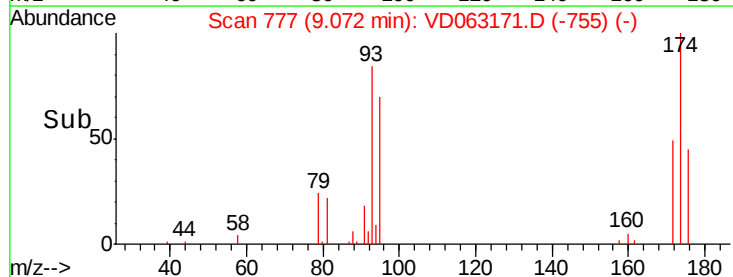
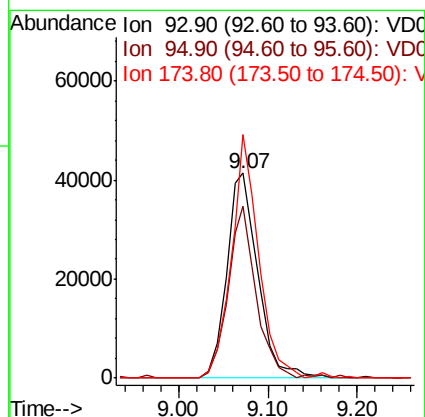
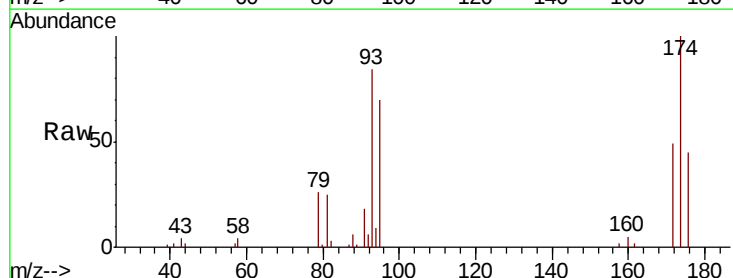
Tgt Ion: 93 Resp: 100901

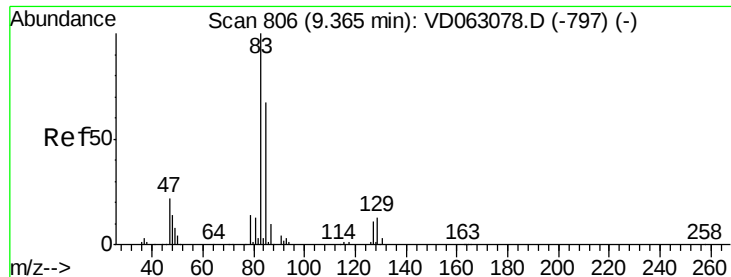
Ion Ratio Lower Upper

93 100

95 83.6 59.7 89.5

174 118.7 93.9 140.9





#47

Bromodichloromethane

Concen: 19.913 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

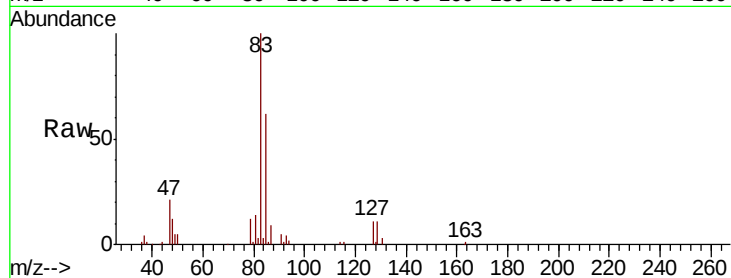
Tot Ion: 83 Resp: 261115

Ion Ratio Lower Upper

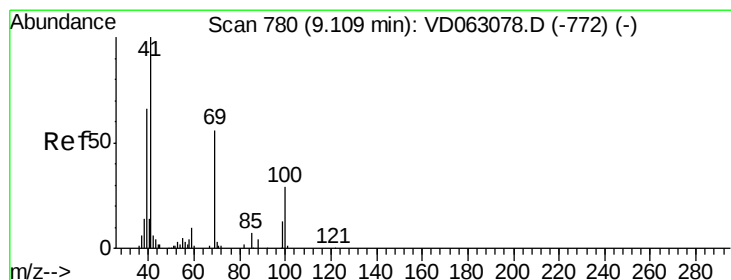
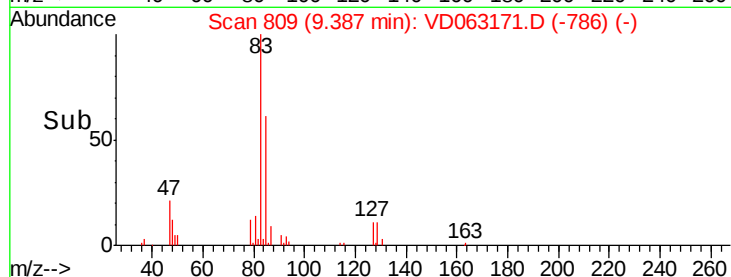
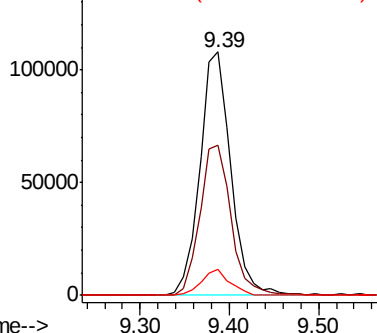
83 100

85 61.5 53.7 80.5

127 10.5 9.0 13.6



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: 18.887 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

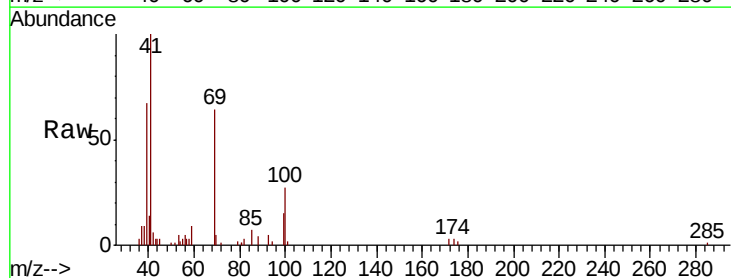
Tgt Ion: 41 Resp: 85202

Ion Ratio Lower Upper

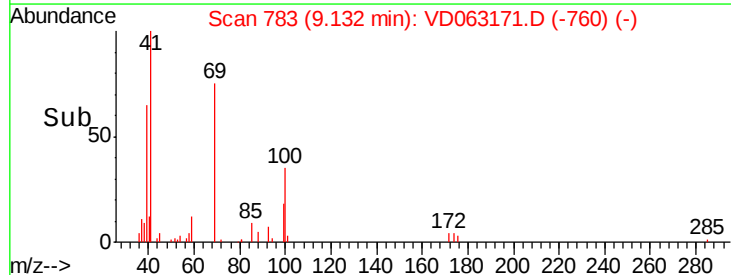
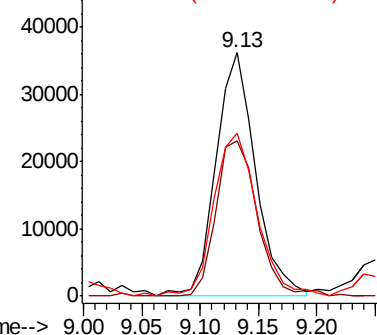
41 100

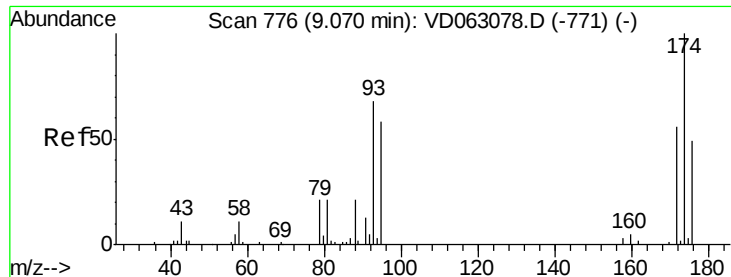
69 63.7 44.3 66.5

39 67.1 52.6 78.8



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

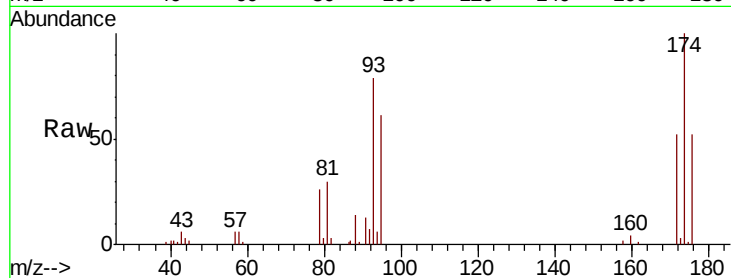




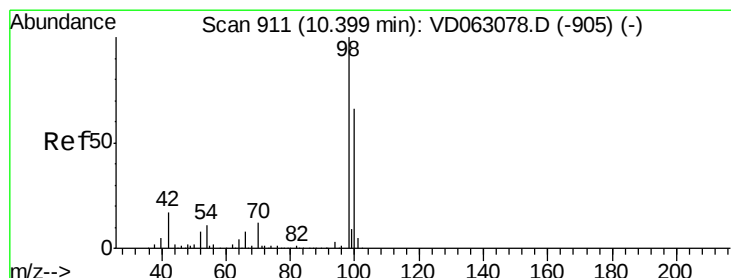
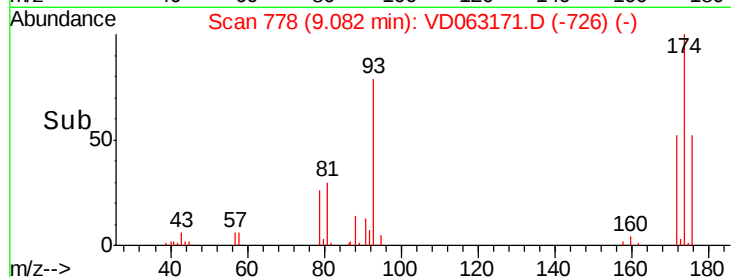
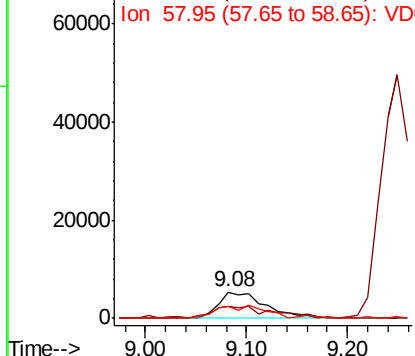
#49
1,4-Dioxane
Concen: 441.535 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion: 88 Resp: 17178
Ion Ratio Lower Upper
88 100
43 44.1 40.2 60.4
58 43.2 41.6 62.4

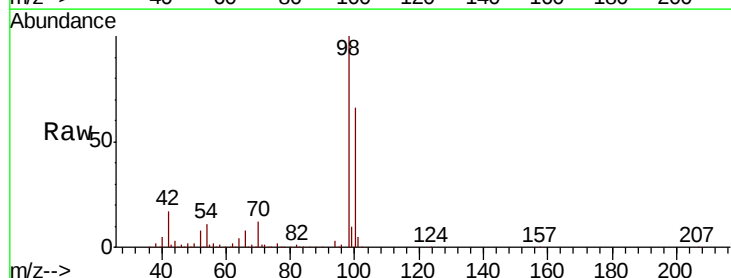


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

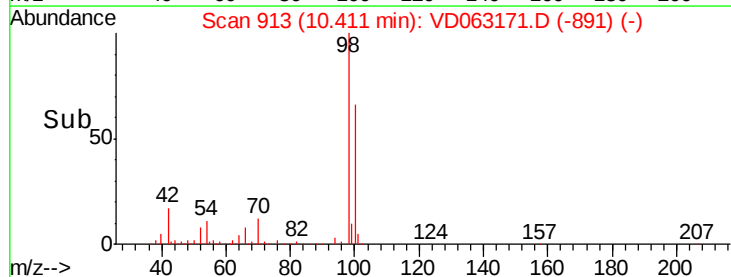
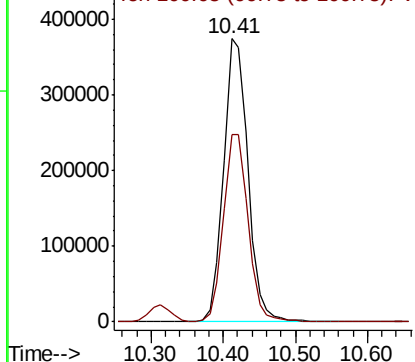


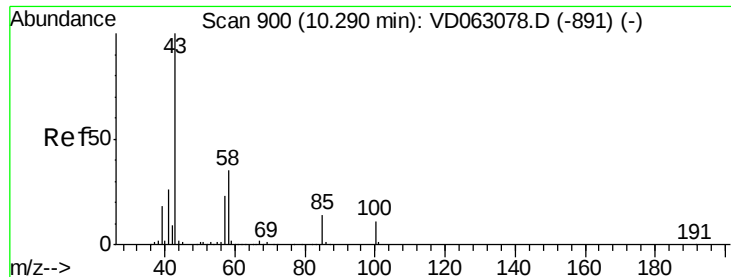
#50
Toluene-d8
Concen: 41.118 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 98 Resp: 875909
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



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

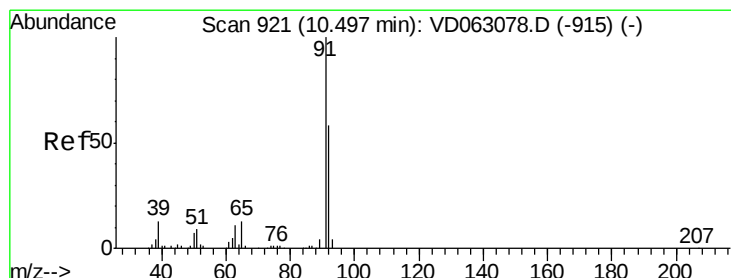
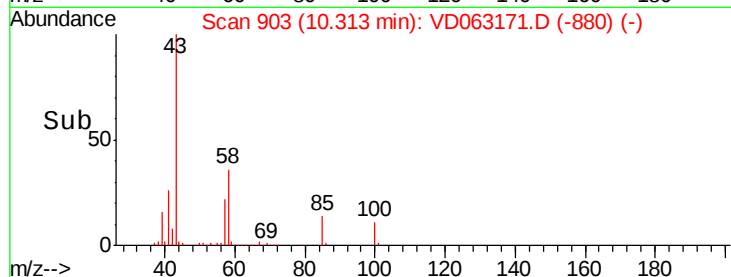
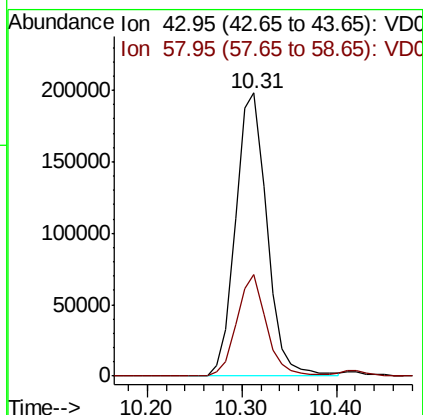
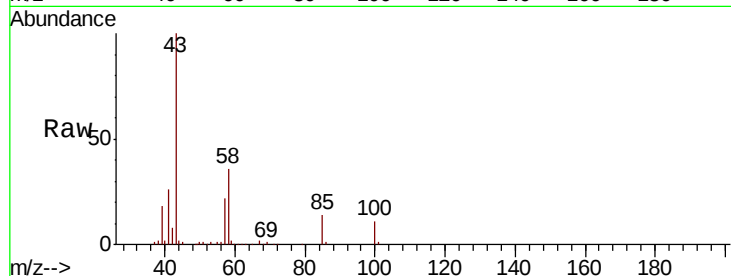




#51
 4-Methyl-2-Pentanone
 Concen: 100.046 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

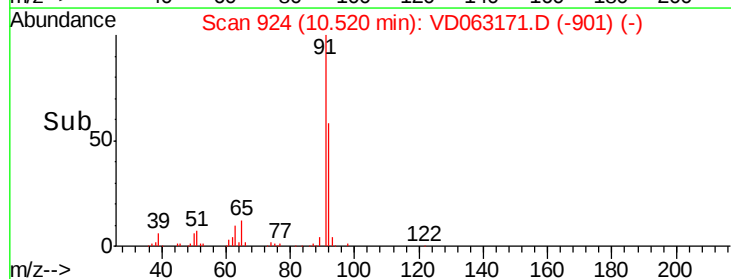
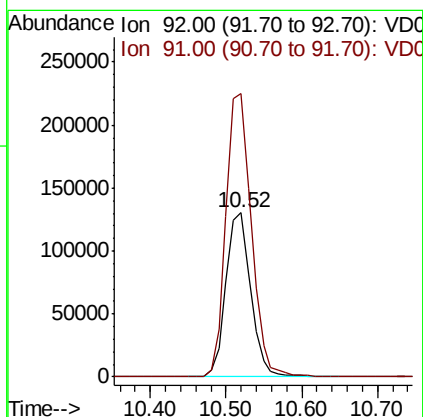
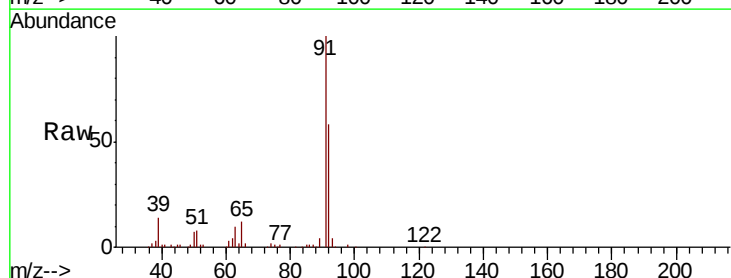
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

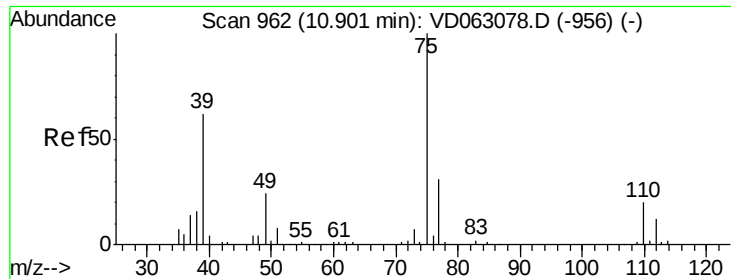
Tot Ion: 43 Resp: 455830
 Ion Ratio Lower Upper
 43 100
 58 35.7 27.8 41.6



#52
 Toluene
 Concen: 18.829 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 92 Resp: 294889
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.9 206.9

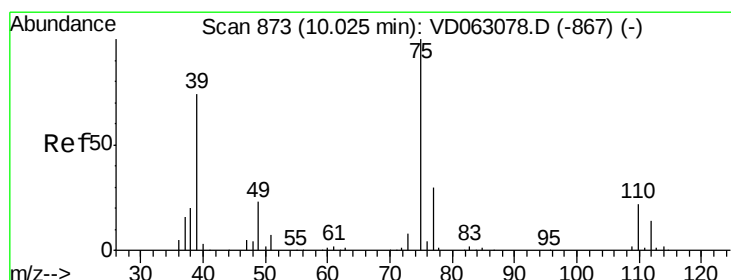
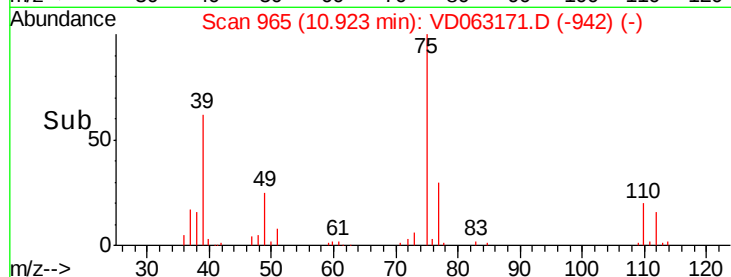
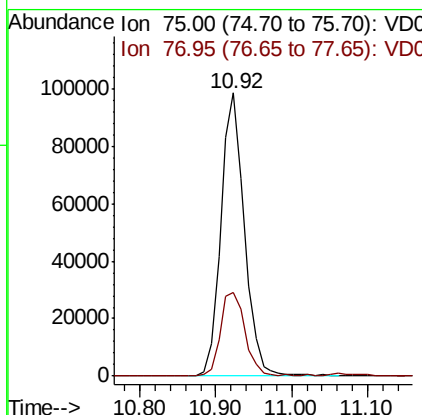
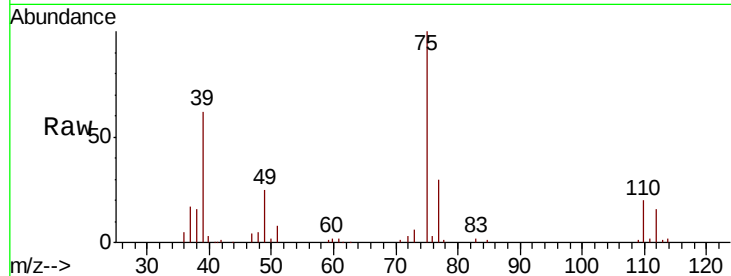




#53
t-1,3-Dichloropropene
Concen: 18.851 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

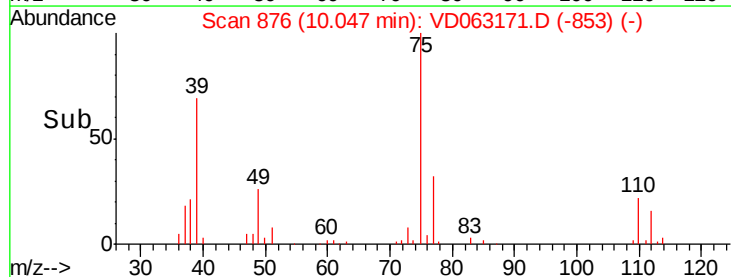
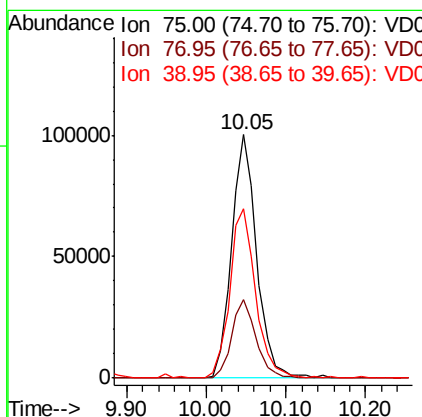
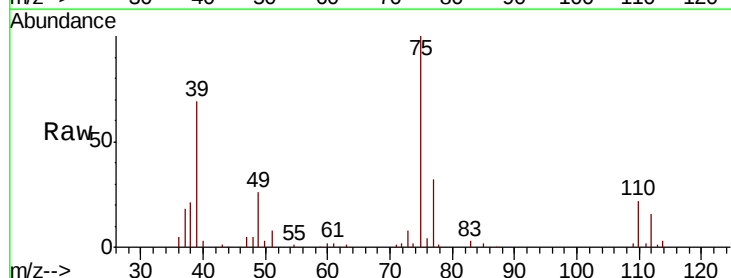
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

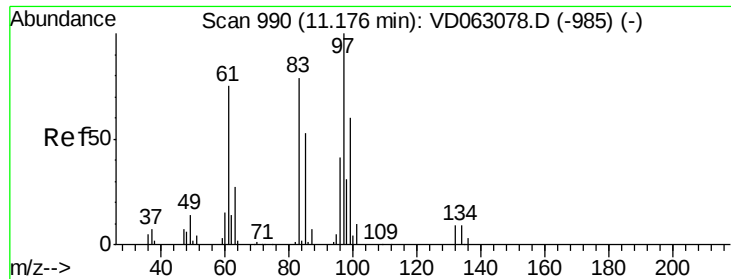
Tot Ion: 75 Resp: 211779
Ion Ratio Lower Upper
75 100
77 29.7 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 18.967 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 75 Resp: 220320
Ion Ratio Lower Upper
75 100
77 32.4 23.9 35.9
39 69.4 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 20.203 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

Tot Ion: 97 Resp: 109349

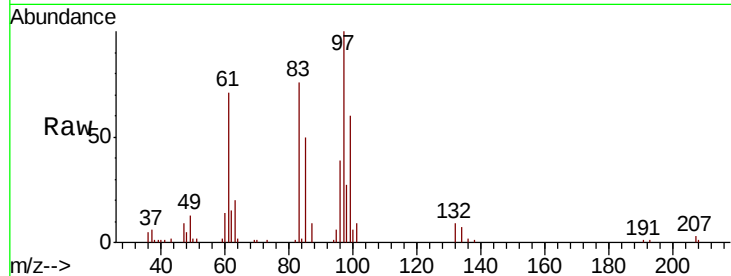
Ion Ratio Lower Upper

97 100

83 76.2 63.2 94.8

85 49.8 42.0 63.0

99 60.1 48.3 72.5

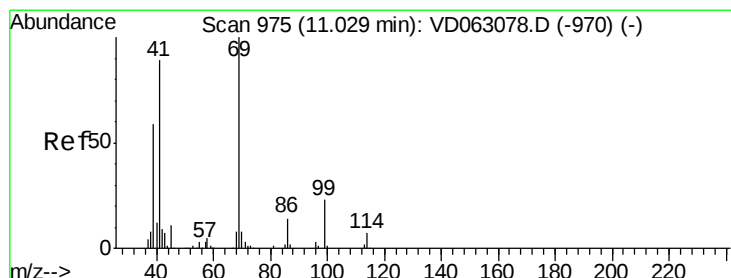
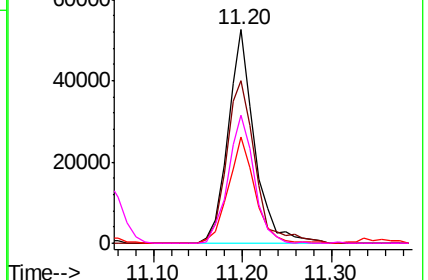
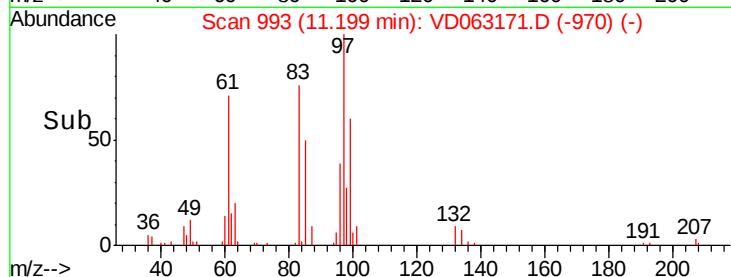


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.775 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

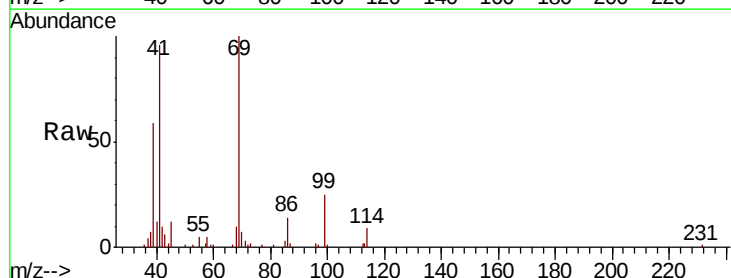
Tgt Ion: 69 Resp: 119589

Ion Ratio Lower Upper

69 100

41 96.1 71.0 106.4

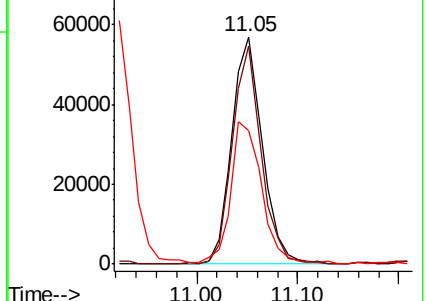
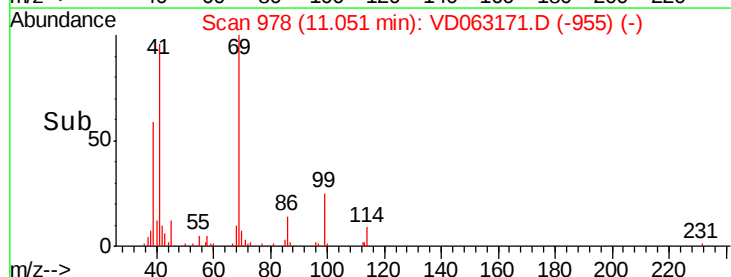
39 58.9 47.7 71.5

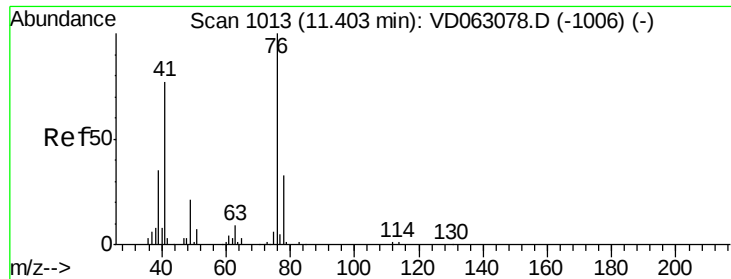


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.746 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

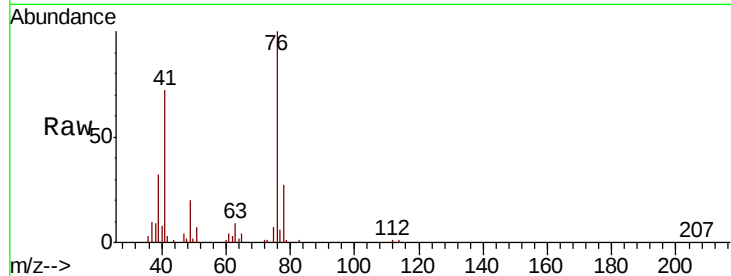
VD0722SBS01

Tot Ion: 76 Resp: 154389

Ion Ratio Lower Upper

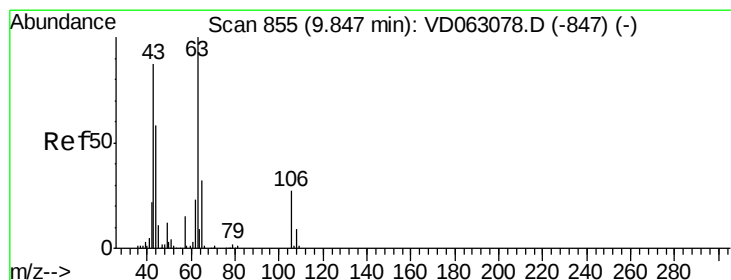
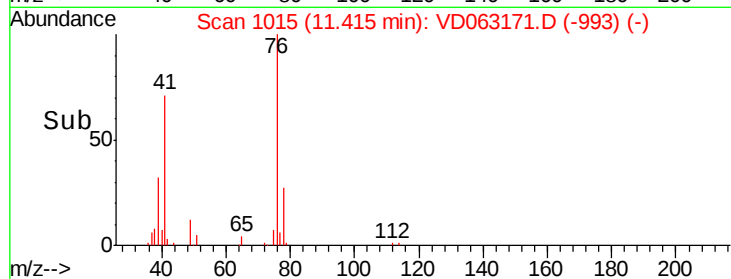
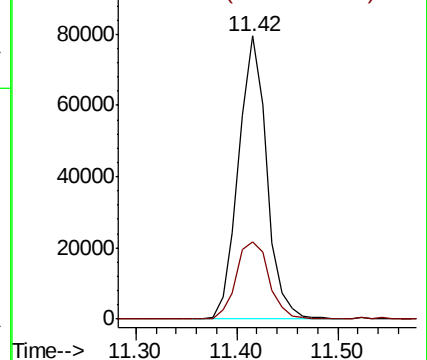
76 100

78 27.2 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 89.799 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063171.D

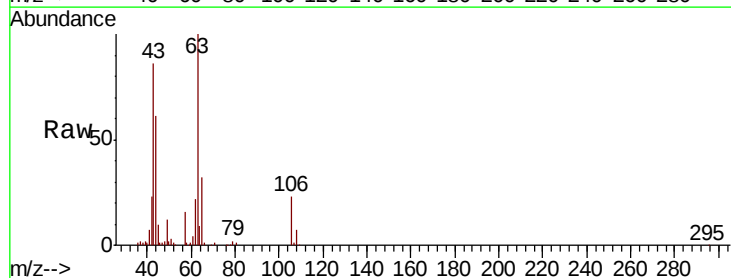
Acq: 22 Jul 2019 12:35

Tgt Ion: 63 Resp: 302370

Ion Ratio Lower Upper

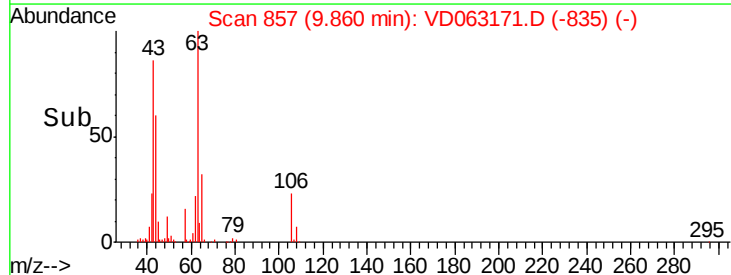
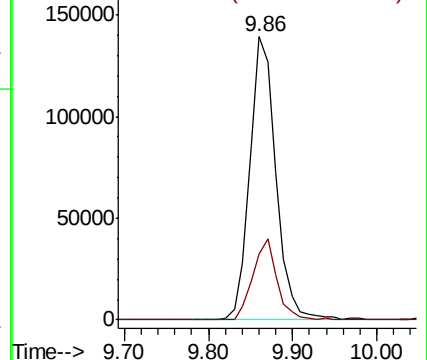
63 100

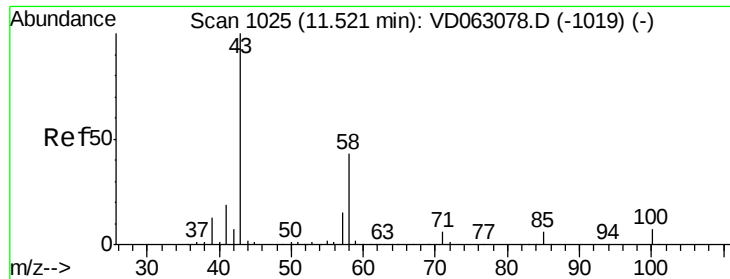
106 23.3 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

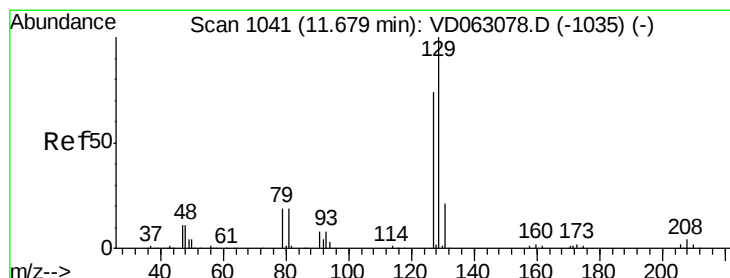
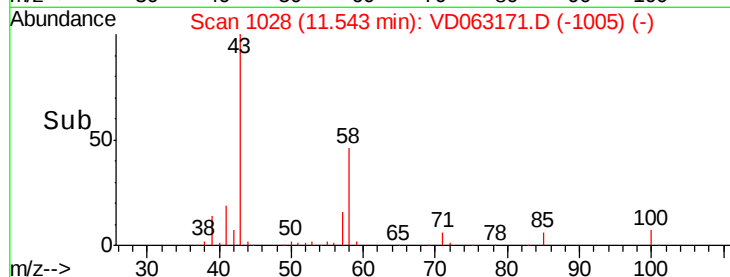
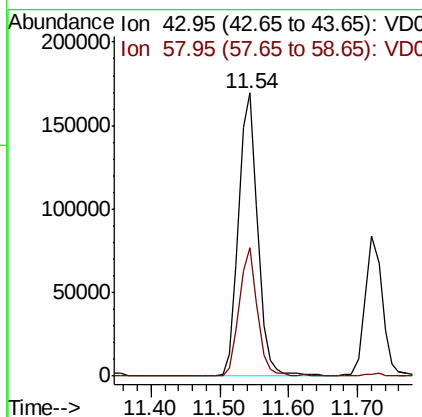
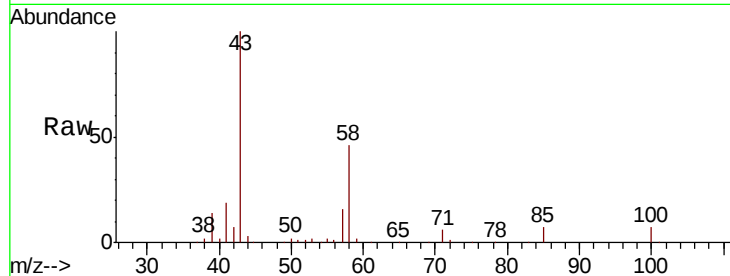




#59
2-Hexanone
Concen: 93.561 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

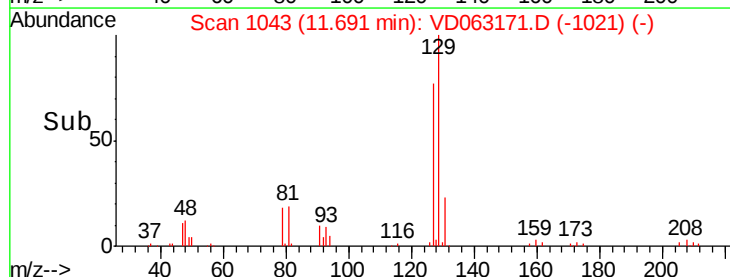
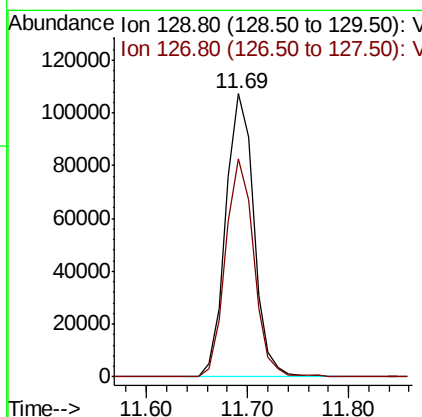
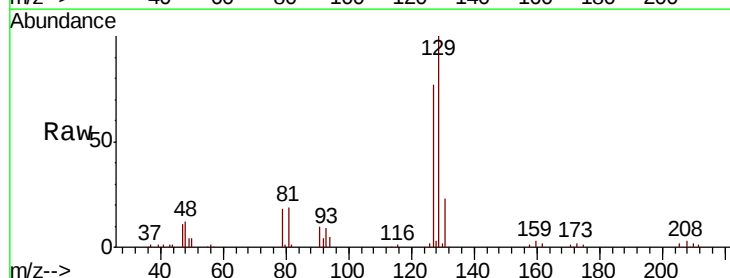
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

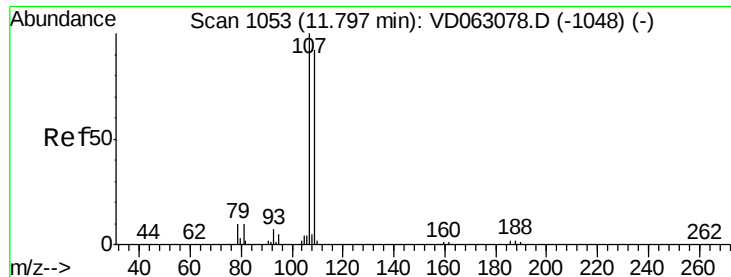
Tot Ion: 43 Resp: 328753
Ion Ratio Lower Upper
43 100
58 45.5 21.7 65.1



#60
Dibromochloromethane
Concen: 19.979 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 129 Resp: 207287
Ion Ratio Lower Upper
129 100
127 77.2 37.0 110.9





#61

1,2-Dibromoethane

Concen: 19.793 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

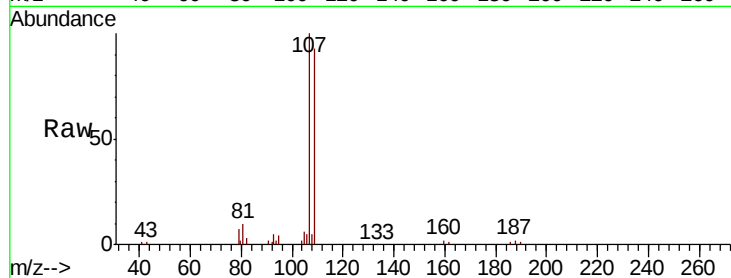
VD0722SBSD01

Tot Ion:107 Resp: 128229

Ion Ratio Lower Upper

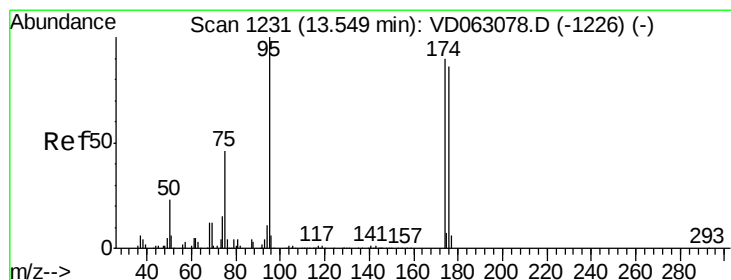
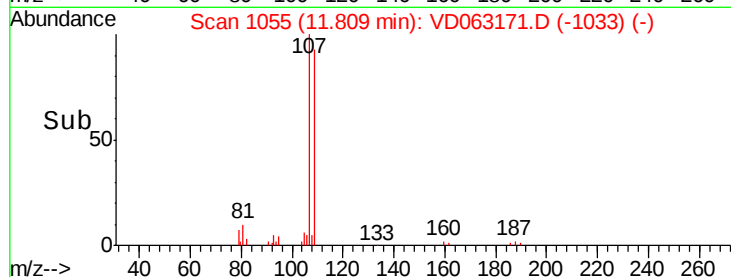
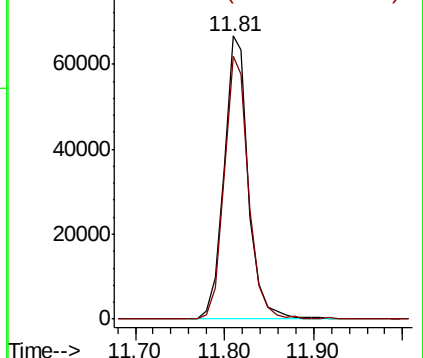
107 100

109 92.9 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 44.362 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

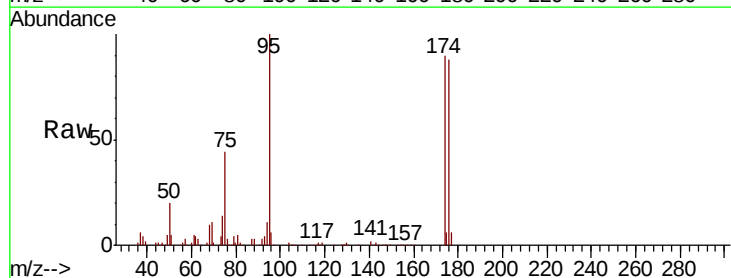
Tgt Ion: 95 Resp: 437196

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.6

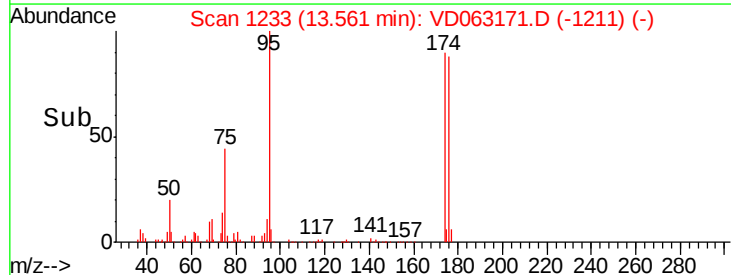
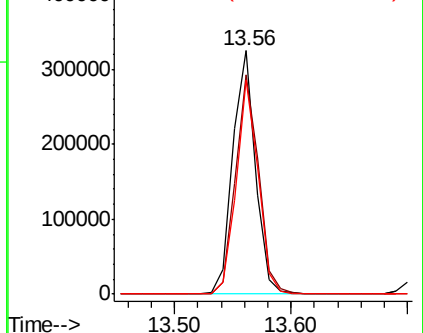
176 87.8 0.0 172.2

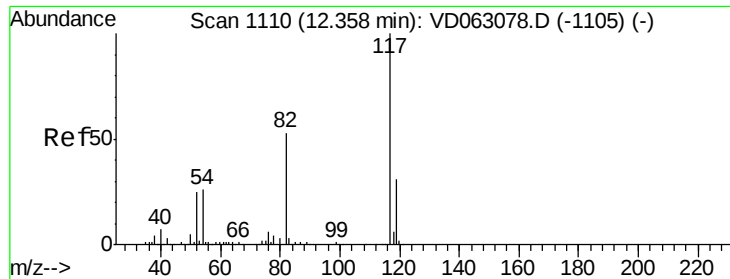


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

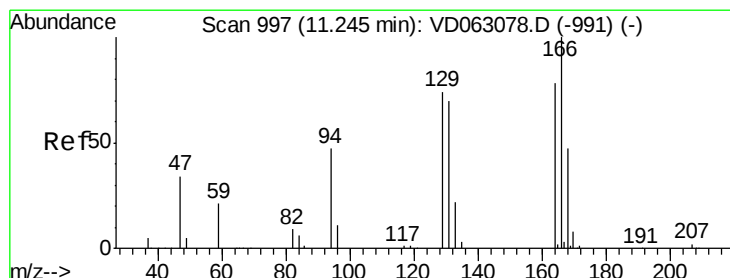
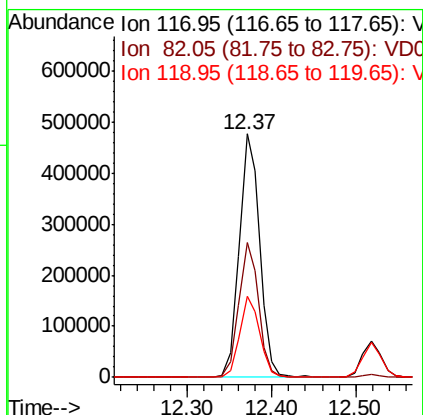
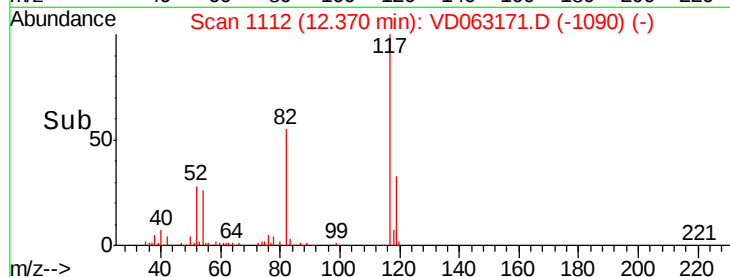
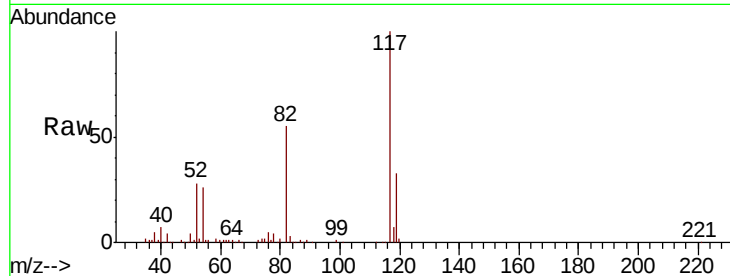




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

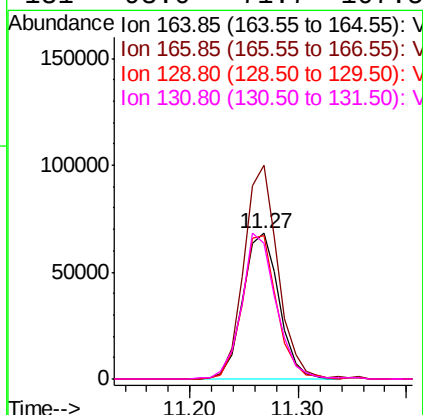
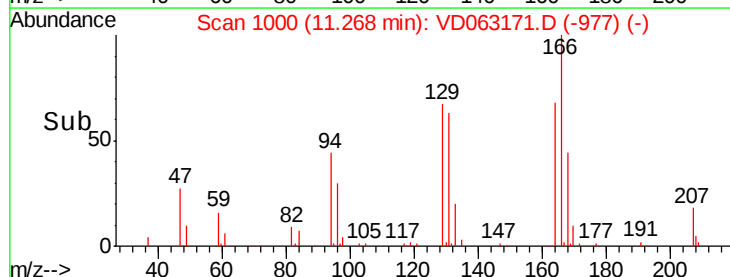
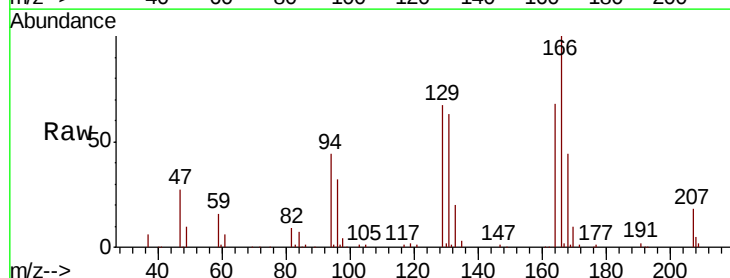
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

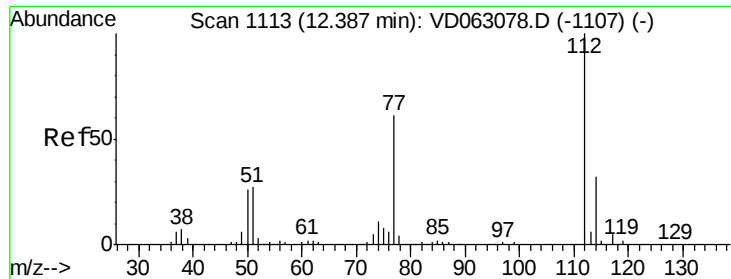
Tot Ion:117 Resp: 804649
Ion Ratio Lower Upper
117 100
82 55.2 42.3 63.5
119 33.2 25.2 37.8



#64
Tetrachloroethene
Concen: 20.134 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:164 Resp: 157203
Ion Ratio Lower Upper
164 100
166 146.8 102.8 154.2
129 98.9 76.4 114.6
131 93.0 71.7 107.5

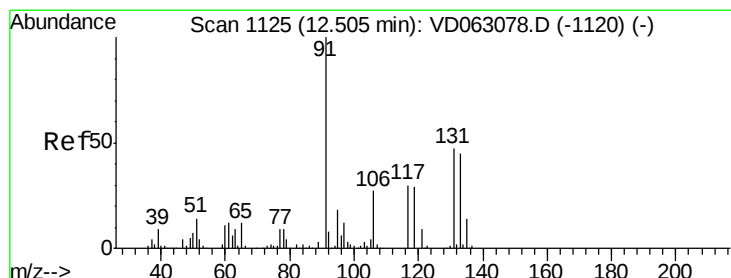
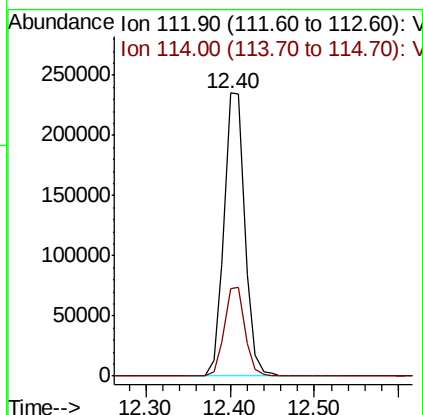
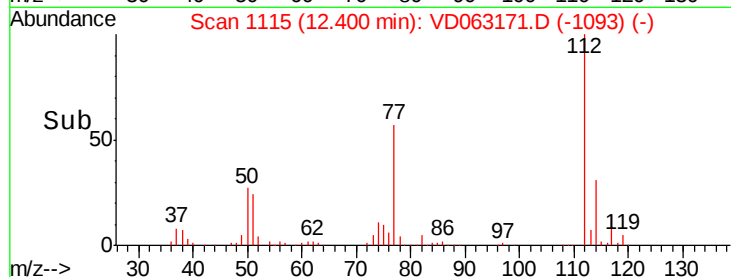
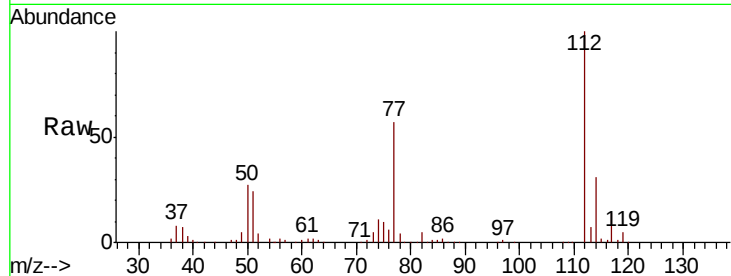




#65
Chlorobenzene
Concen: 21.519 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

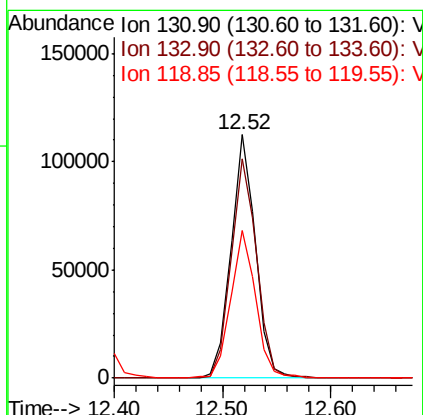
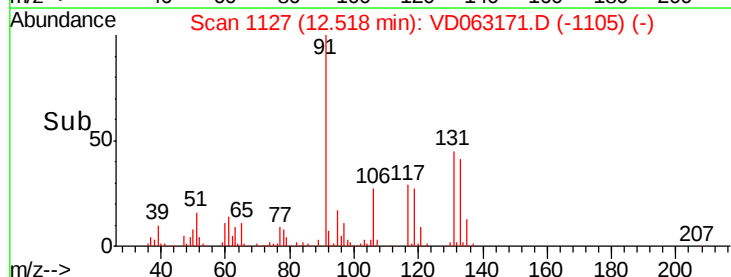
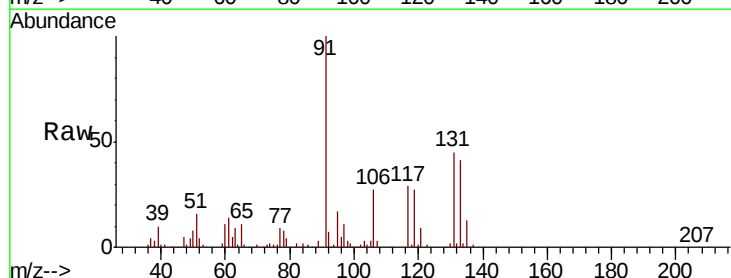
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

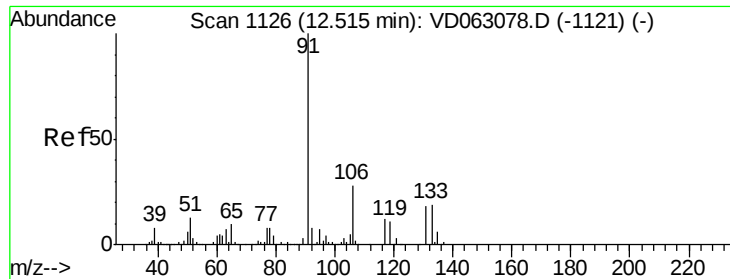
Tot Ion:112 Resp: 407033
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:131 Resp: 177939
Ion Ratio Lower Upper
131 100
133 90.2 48.5 145.6
119 60.5 30.8 92.3





#67

Ethyl Benzene

Concen: 20.252 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

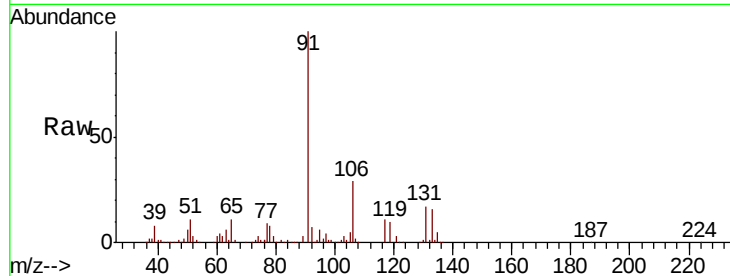
VD0722SBS01

Tot Ion: 91 Resp: 665597

Ion Ratio Lower Upper

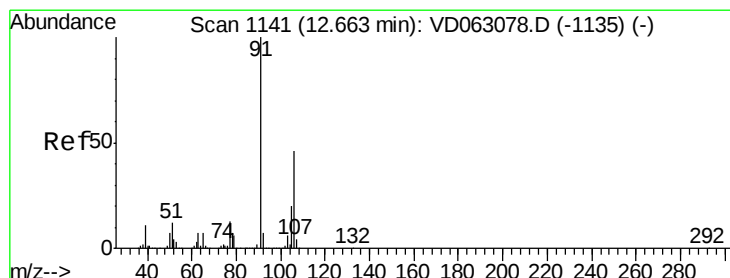
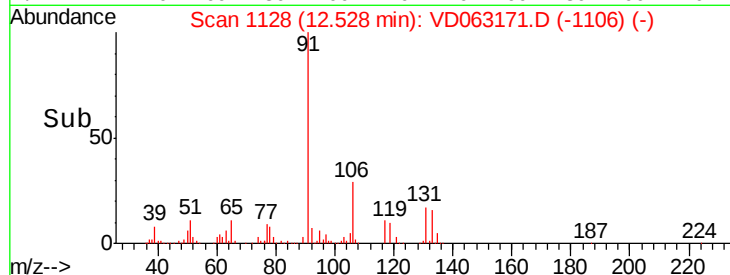
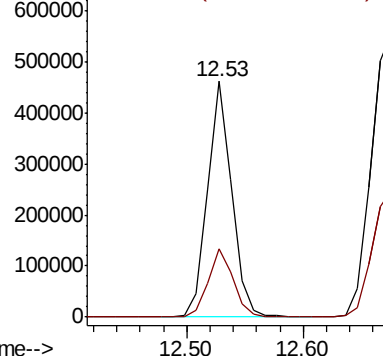
91 100

106 29.0 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 39.873 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD063171.D

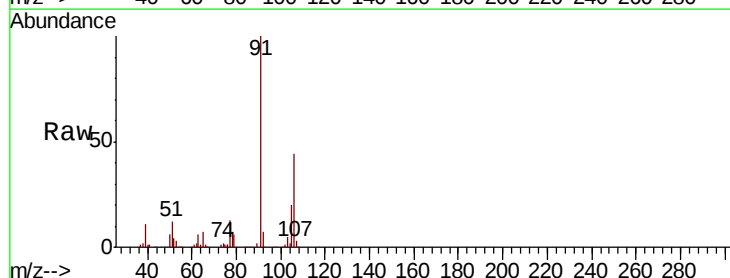
Acq: 22 Jul 2019 12:35

Tgt Ion: 106 Resp: 469361

Ion Ratio Lower Upper

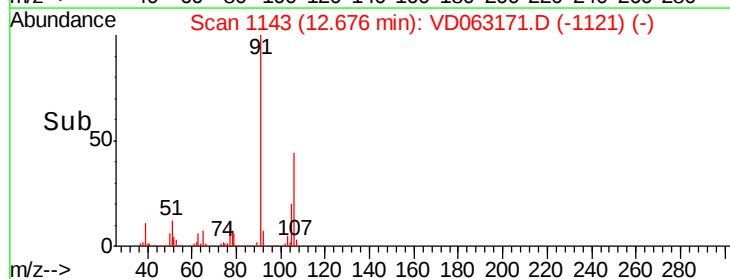
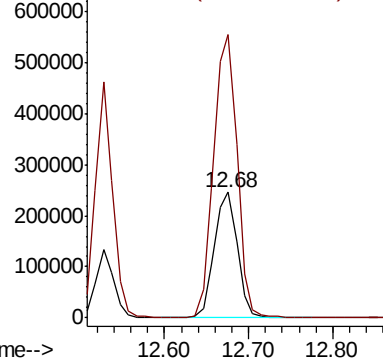
106 100

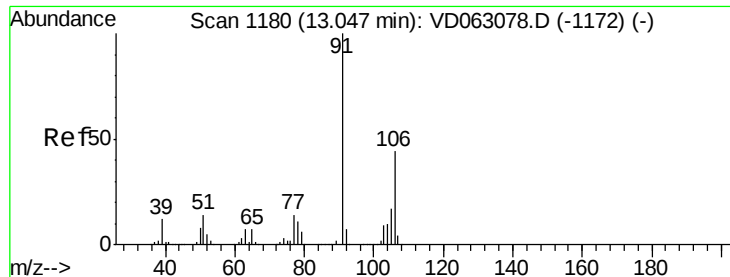
91 224.8 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VD0

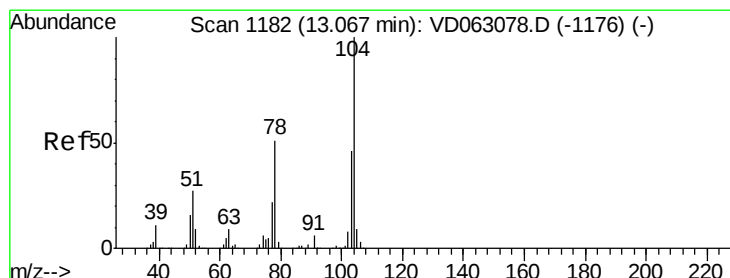
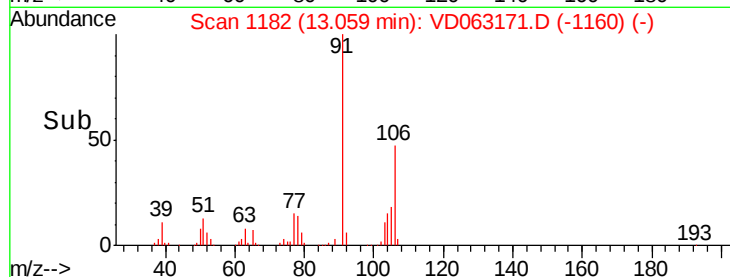
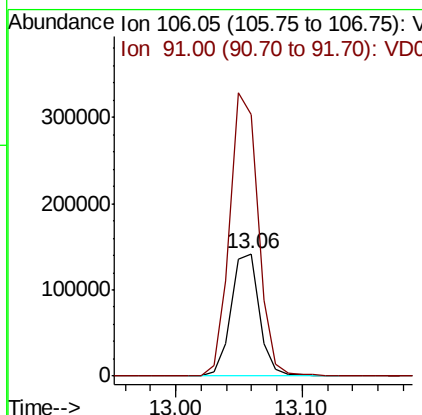
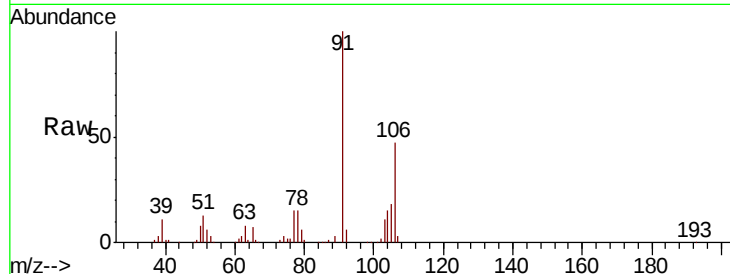




#69
o-Xylene
Concen: 19.612 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

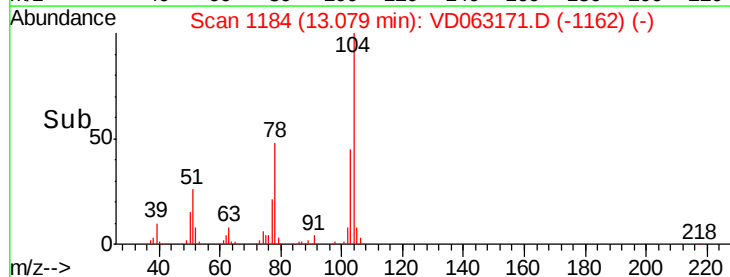
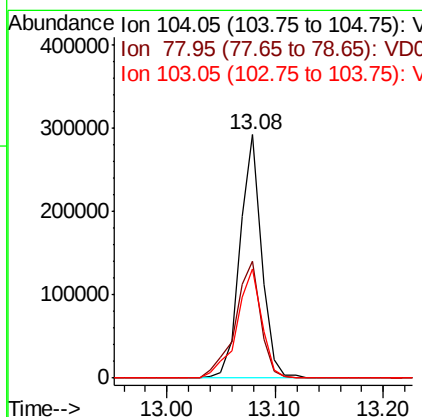
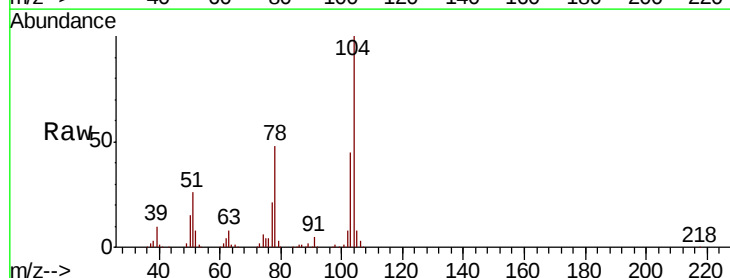
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

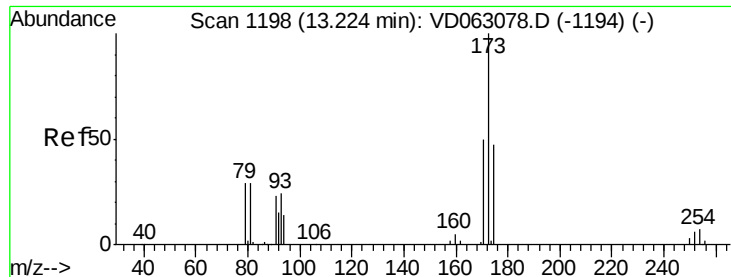
Tot Ion:106 Resp: 218899
Ion Ratio Lower Upper
106 100
91 214.0 114.9 344.7



#70
Styrene
Concen: 20.654 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:104 Resp: 403526
Ion Ratio Lower Upper
104 100
78 47.9 41.1 61.7
103 45.1 37.0 55.6

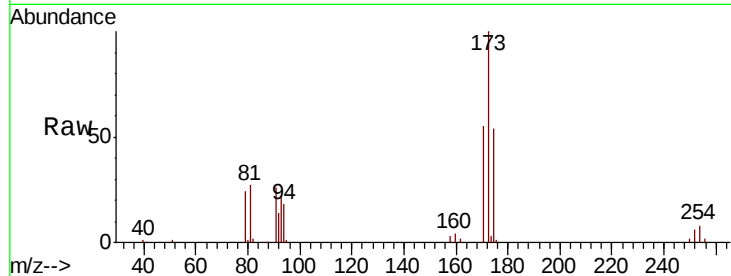




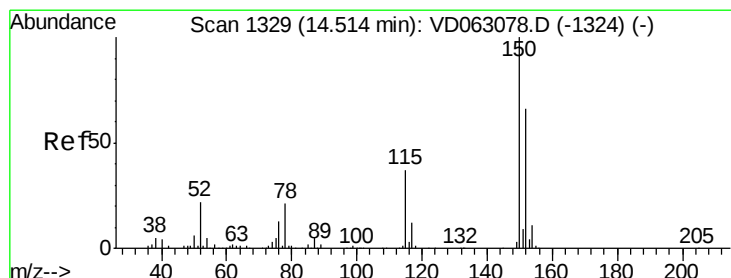
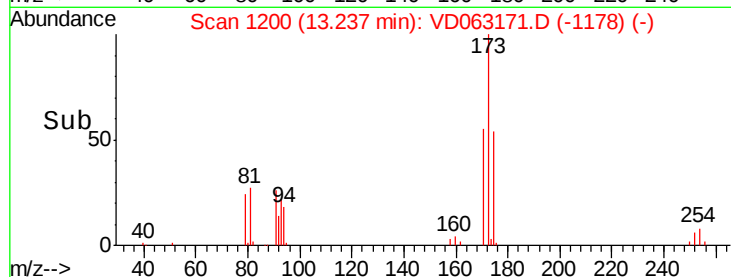
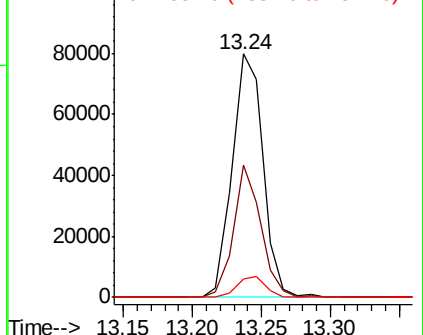
#71
Bromoform
Concen: 20.287 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tot Ion:173 Resp: 124552
Ion Ratio Lower Upper
173 100
175 54.3 23.4 70.2
254 7.6 5.4 8.0

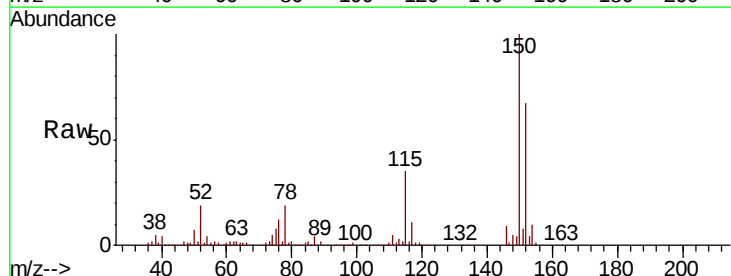


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

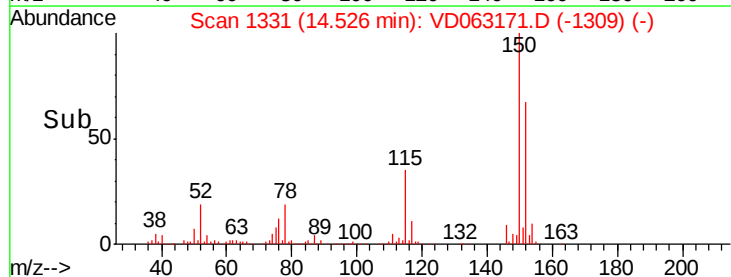
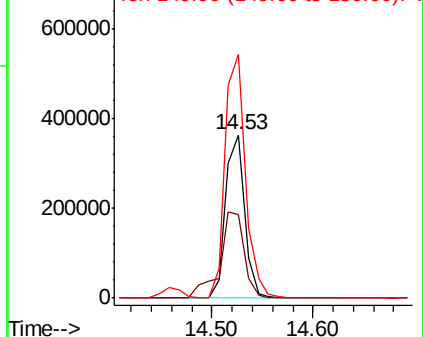


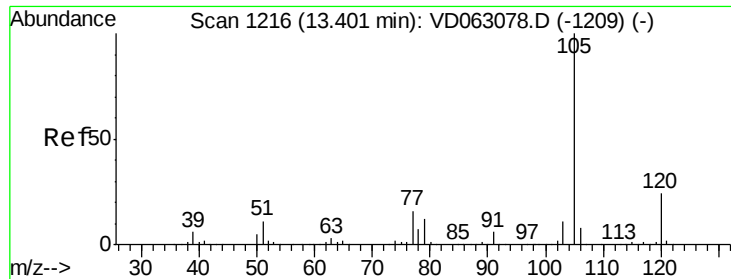
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:152 Resp: 478617
Ion Ratio Lower Upper
152 100
115 51.5 28.9 86.8
150 148.9 0.0 313.8



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





#73

Isopropylbenzene

Concen: 17.714 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

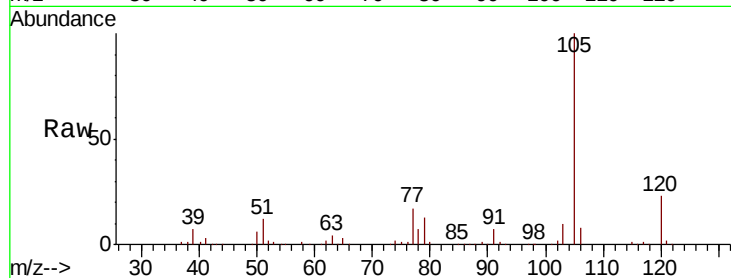
VD0722SBS01

Tot Ion:105 Resp: 654760

Ion Ratio Lower Upper

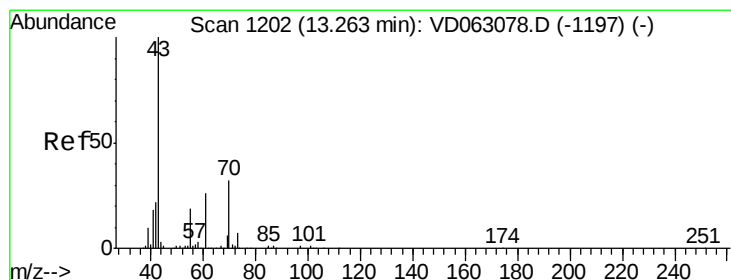
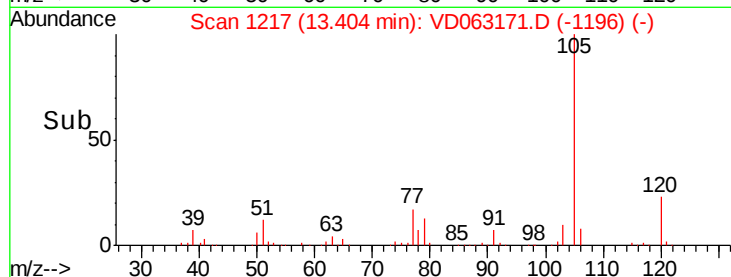
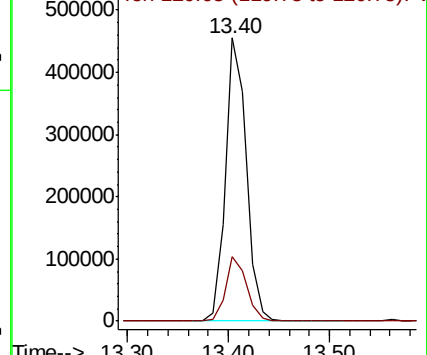
105 100

120 22.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.342 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Tgt Ion: 43 Resp: 189077

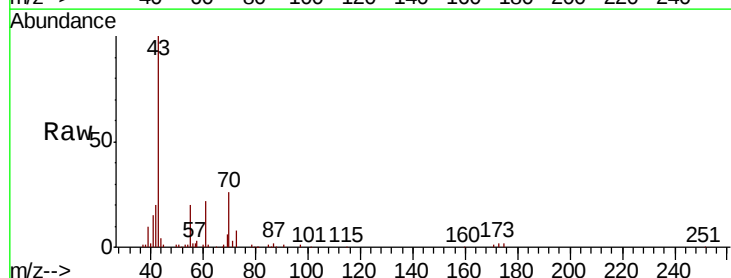
Ion Ratio Lower Upper

43 100

70 25.8 25.5 38.3

55 20.2 15.4 23.0

61 22.4 20.6 31.0

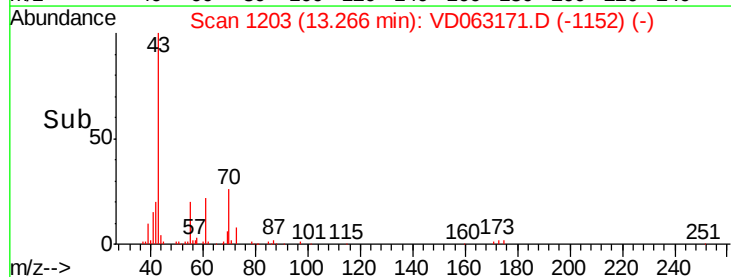
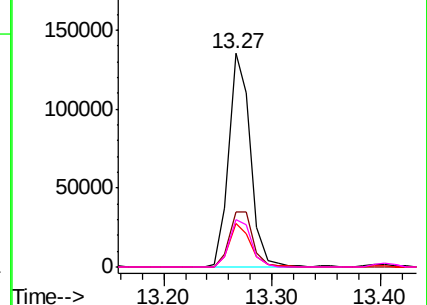


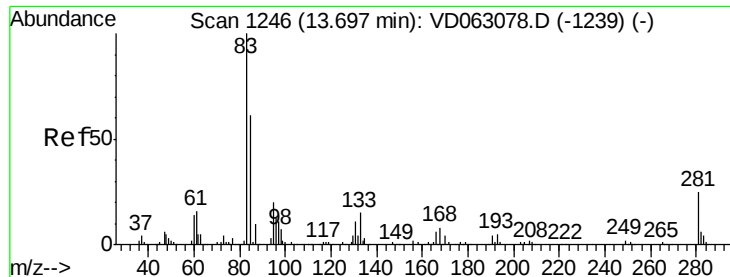
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.626 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

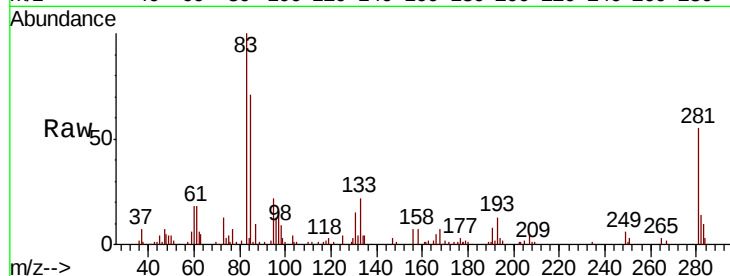
Tot Ion: 83 Resp: 118534

Ion Ratio Lower Upper

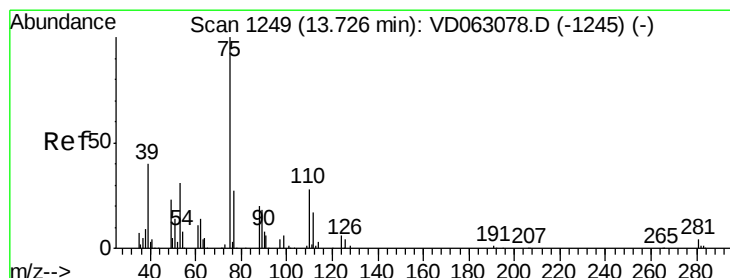
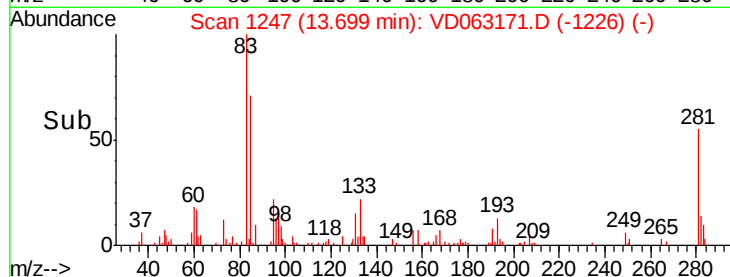
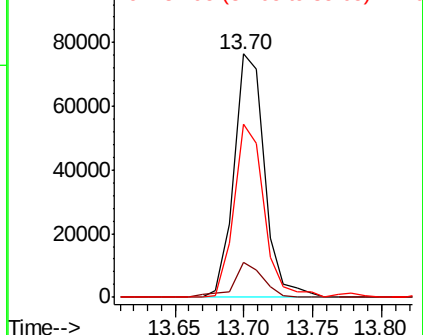
83 100

131 14.6 5.5 16.7

85 71.4 30.7 92.1



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: 18.013 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063171.D

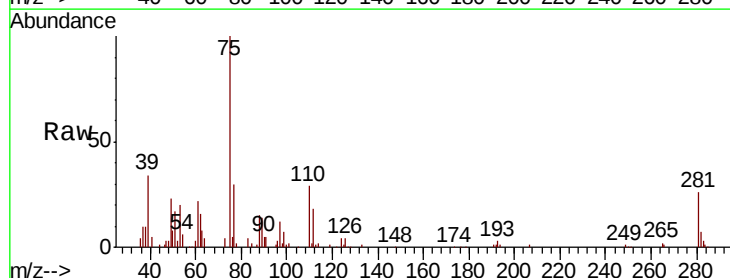
Acq: 22 Jul 2019 12:35

Tgt Ion: 75 Resp: 132622

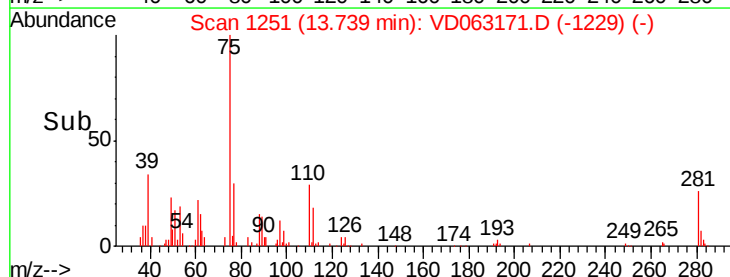
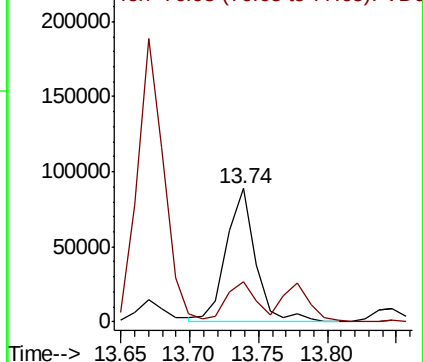
Ion Ratio Lower Upper

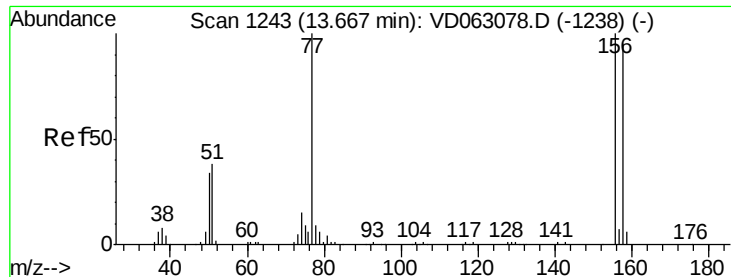
75 100

77 29.9 16.3 48.8



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





#77

Bromobenzene

Concen: 19.239 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

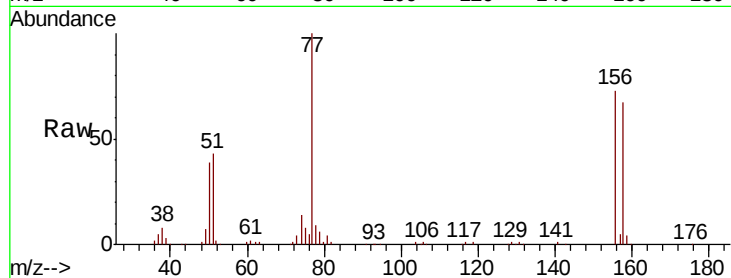
Tot Ion:156 Resp: 201656

Ion Ratio Lower Upper

156 100

77 136.8 50.2 150.7

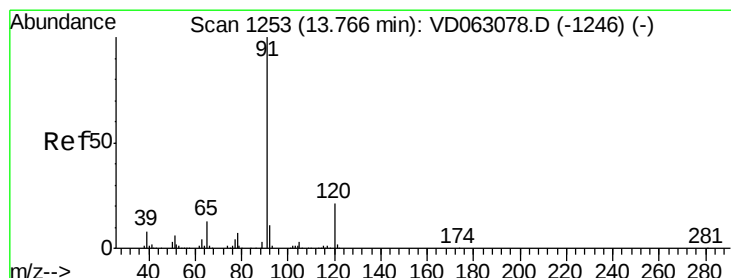
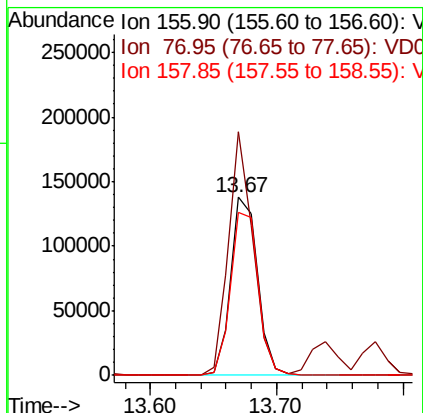
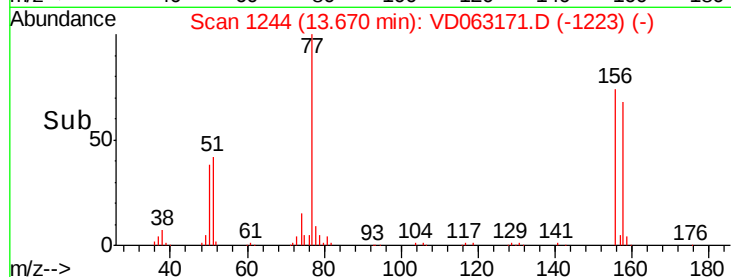
158 91.6 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.831 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063171.D

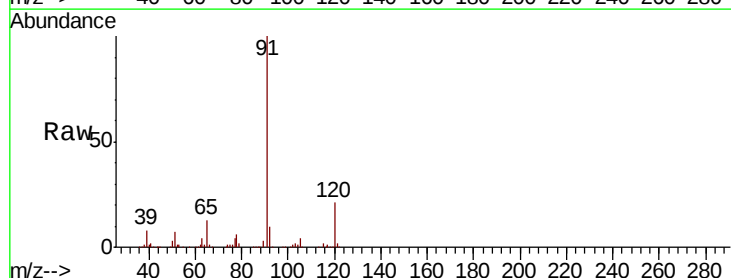
Acq: 22 Jul 2019 12:35

Tgt Ion: 91 Resp: 843516

Ion Ratio Lower Upper

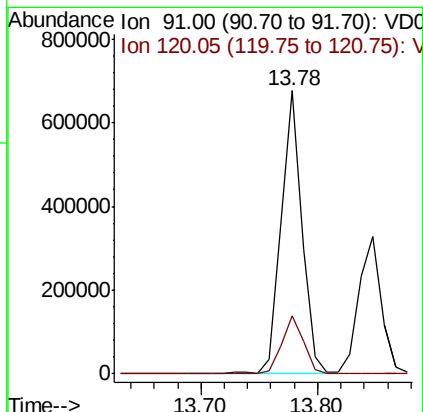
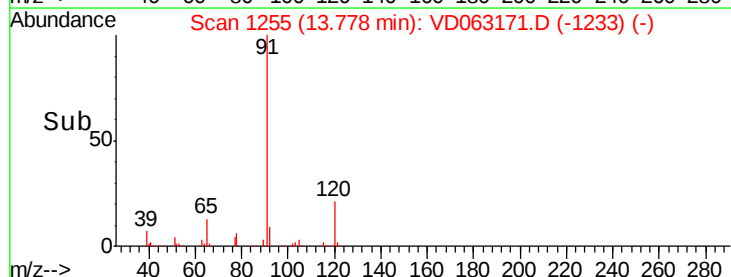
91 100

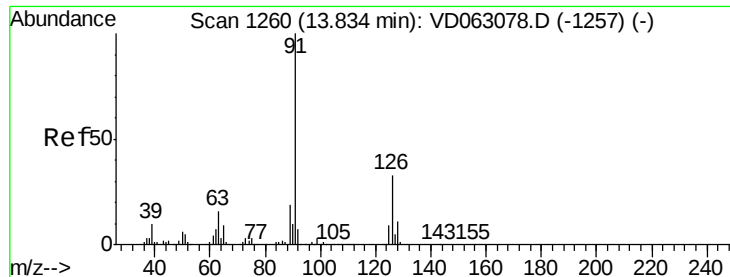
120 20.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.125 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

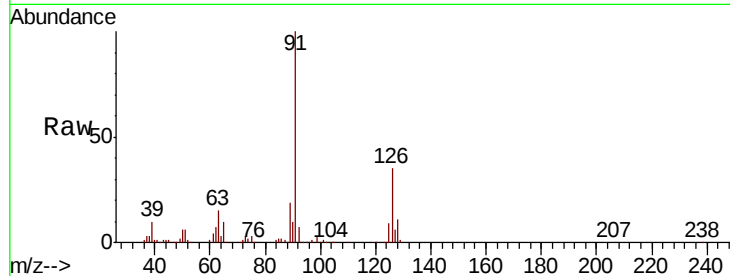
VD0722SBS01

Tot Ion: 91 Resp: 440427

Ion Ratio Lower Upper

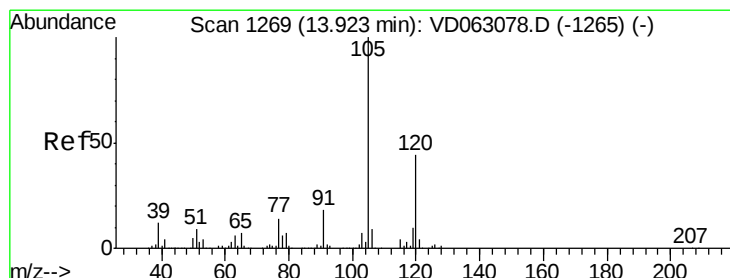
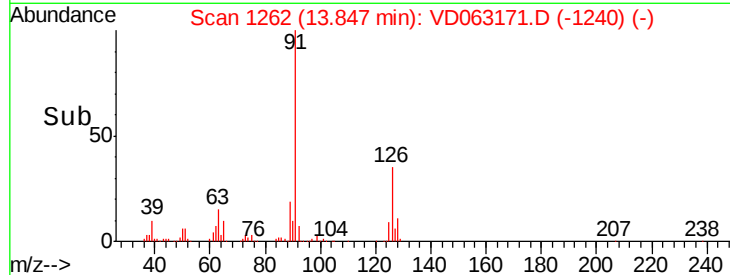
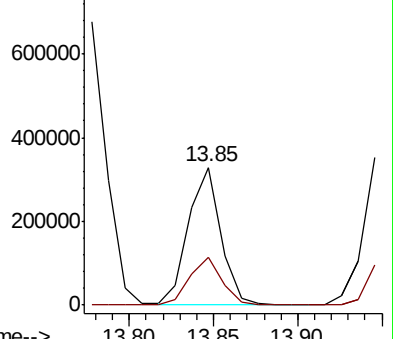
91 100

126 34.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VD063171.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD063171.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.727 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063171.D

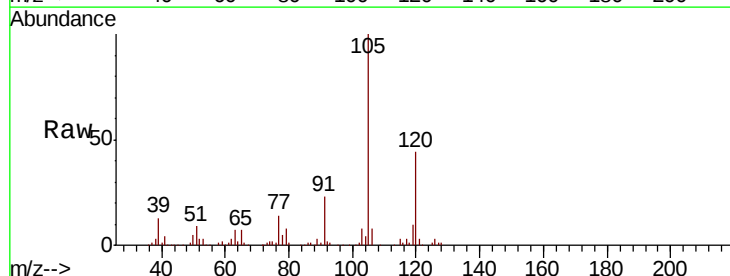
Acq: 22 Jul 2019 12:35

Tgt Ion: 105 Resp: 603273

Ion Ratio Lower Upper

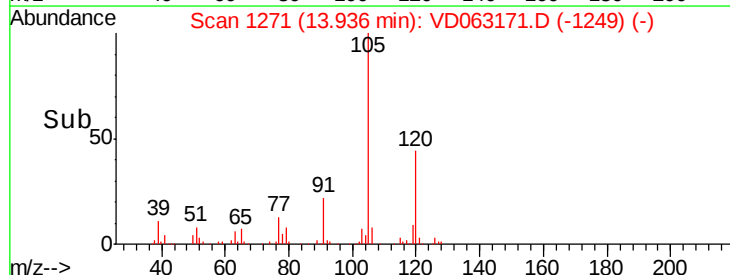
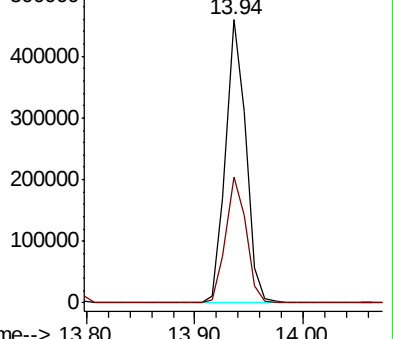
105 100

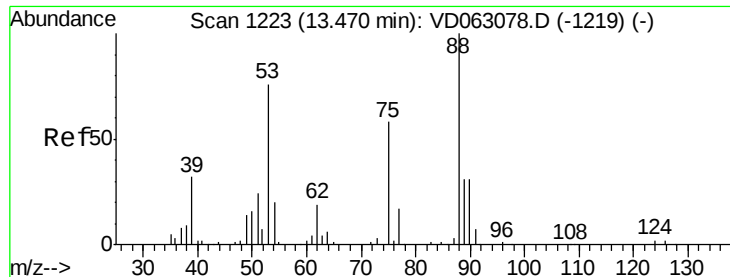
120 44.4 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063171.D (-1249) (-)

Ion 120.05 (119.75 to 120.75): VD063171.D (-1249) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.387 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD063171.D

Acq: 22 Jul 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

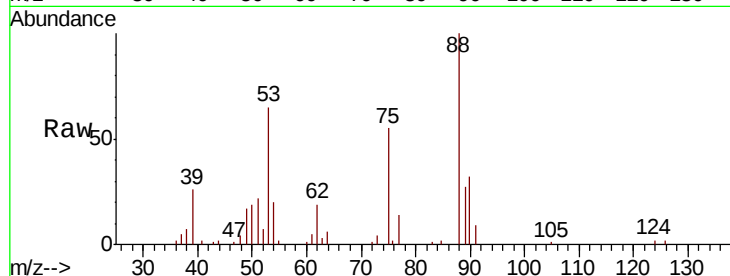
Tot Ion: 75 Resp: 31772

Ion Ratio Lower Upper

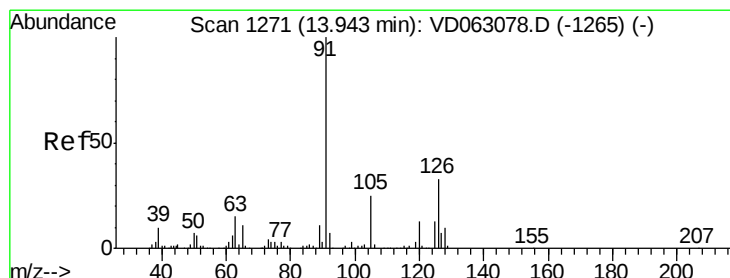
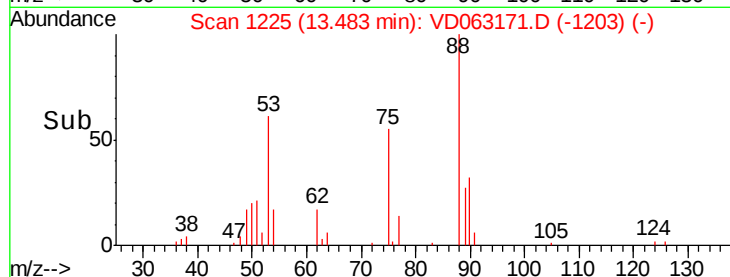
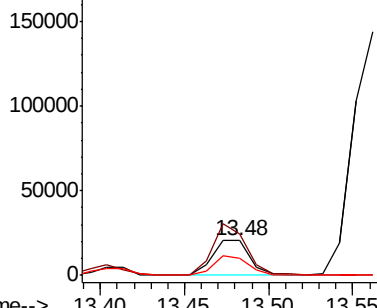
75 100

53 118.2 104.4 156.6

89 49.2 43.1 64.7



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



#82

4-Chlorotoluene

Concen: 19.212 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063171.D

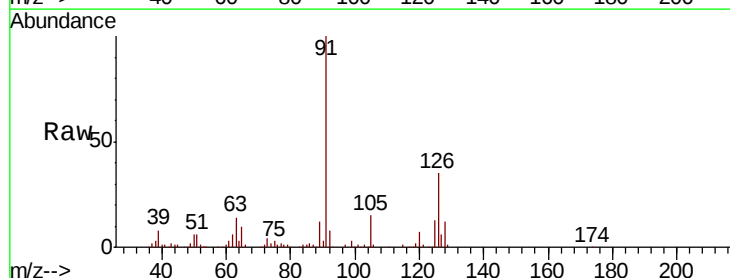
Acq: 22 Jul 2019 12:35

Tgt Ion: 91 Resp: 576956

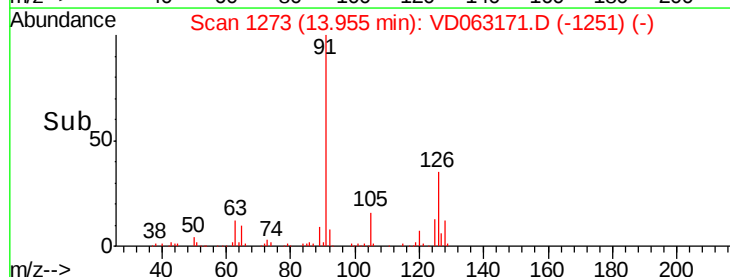
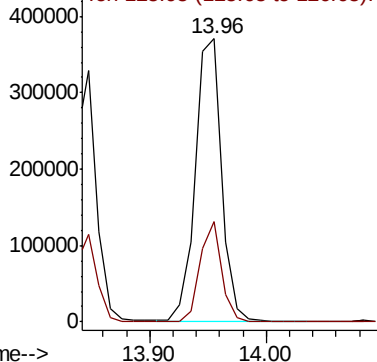
Ion Ratio Lower Upper

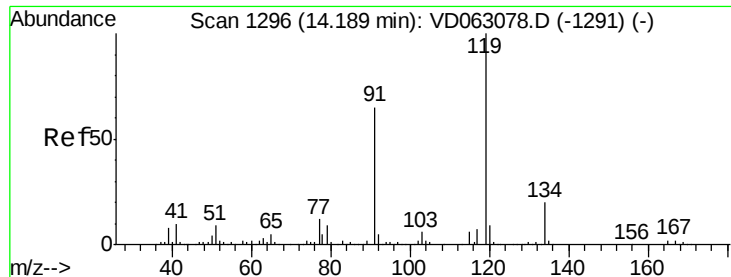
91 100

126 35.3 16.7 50.1



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

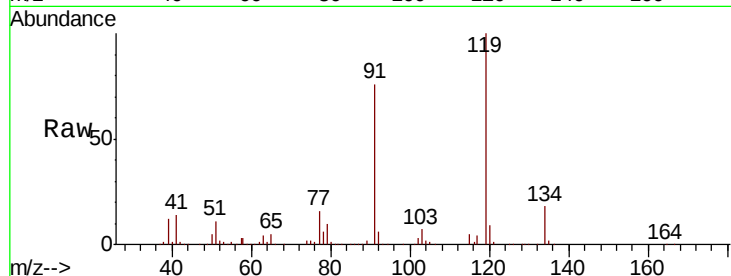




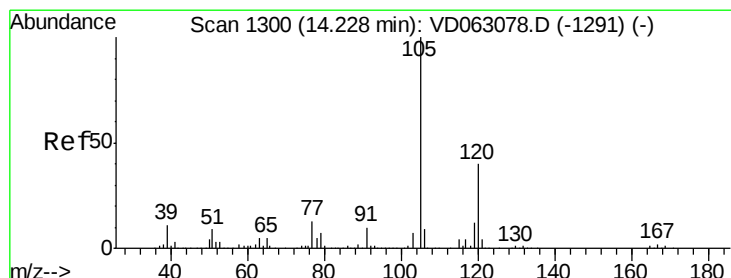
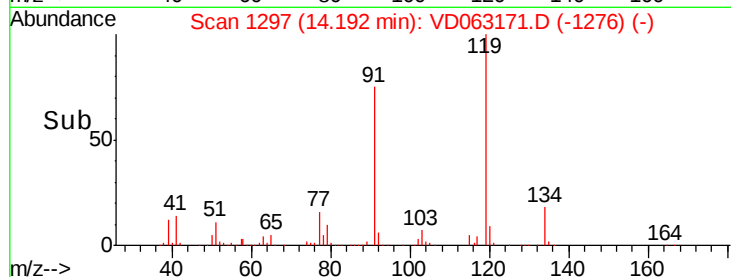
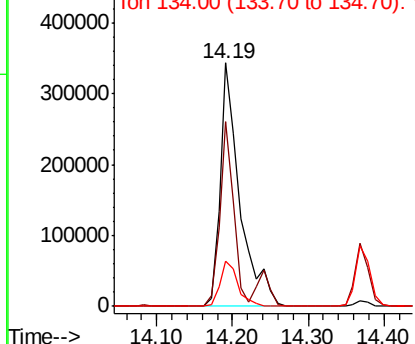
#83
tert-Butylbenzene
Concen: 17.191 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion:119 Resp: 626190
Ion Ratio Lower Upper
119 100
91 75.8 32.4 97.2
134 18.4 10.2 30.6

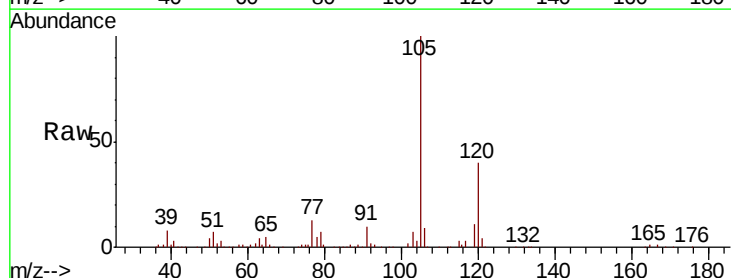


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

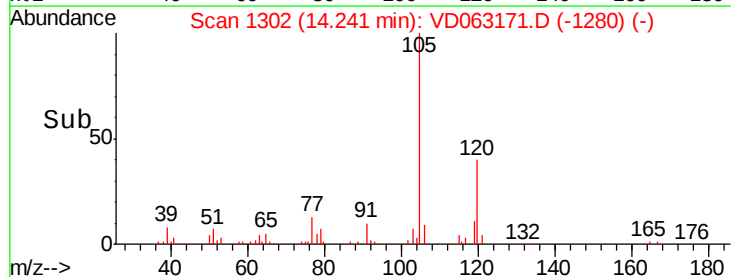
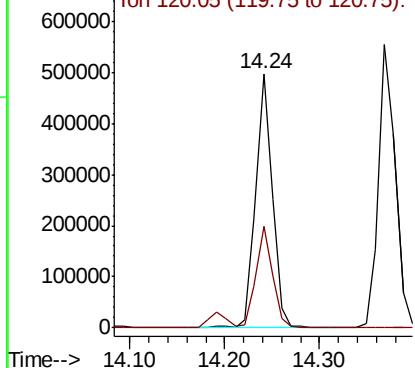


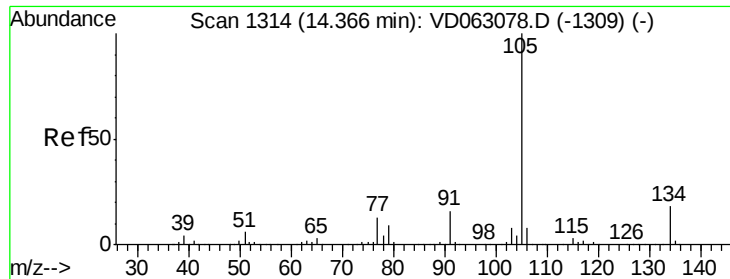
#84
1,2,4-Trimethylbenzene
Concen: 19.067 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:105 Resp: 612352
Ion Ratio Lower Upper
105 100
120 39.7 20.2 60.6



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

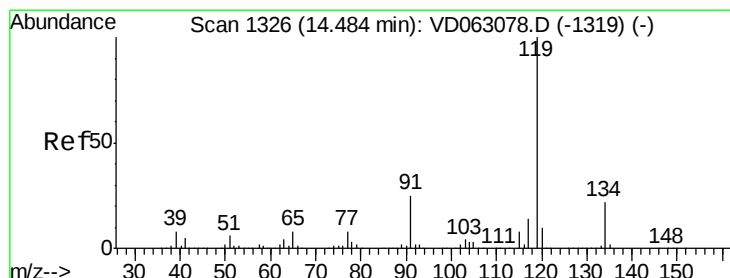
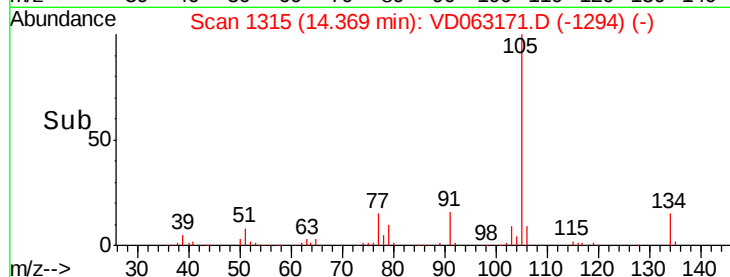
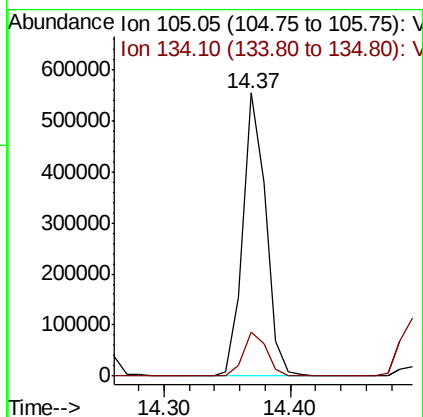
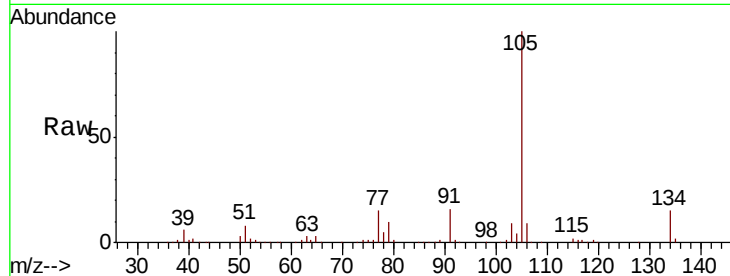




#85
 sec-Butylbenzene
 Concen: 18.002 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

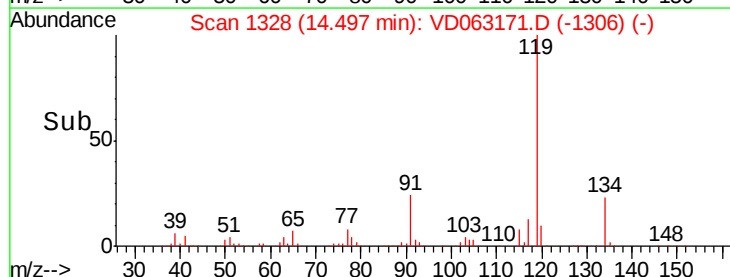
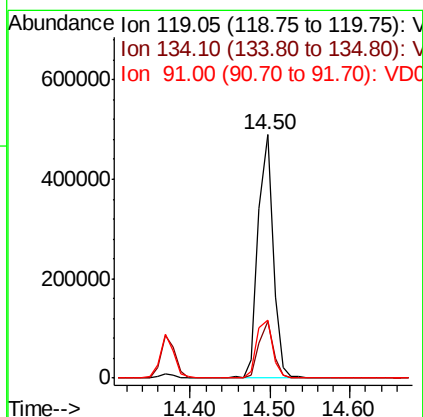
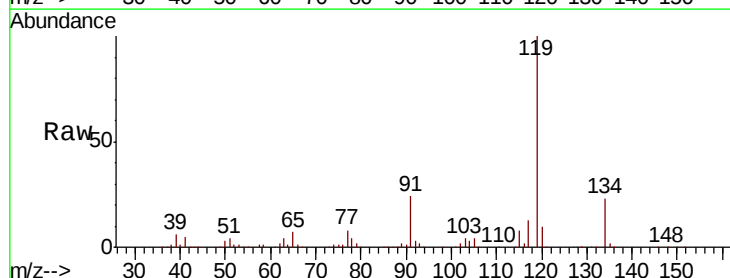
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

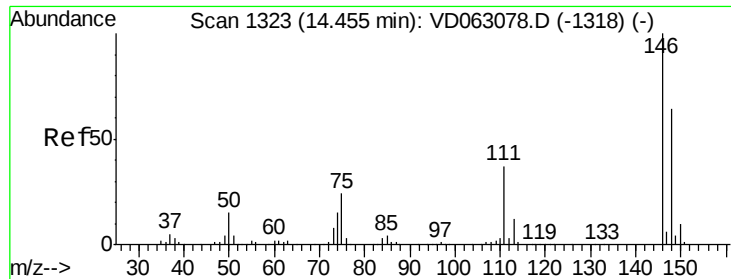
Tot Ion:105 Resp: 696675
 Ion Ratio Lower Upper
 105 100
 134 15.5 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 17.478 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion:119 Resp: 631013
 Ion Ratio Lower Upper
 119 100
 134 23.1 10.8 32.4
 91 24.0 12.5 37.5

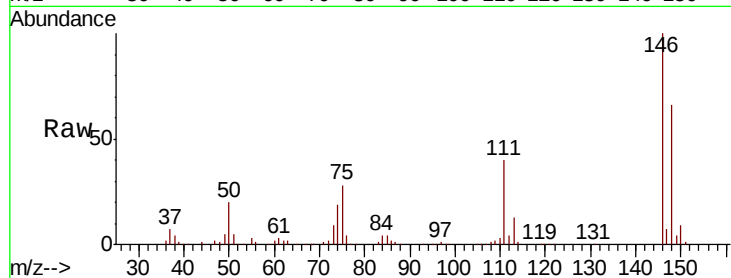




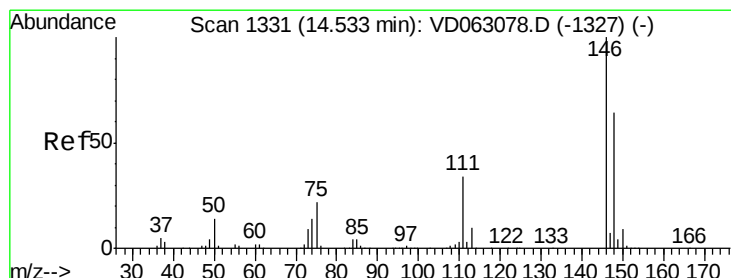
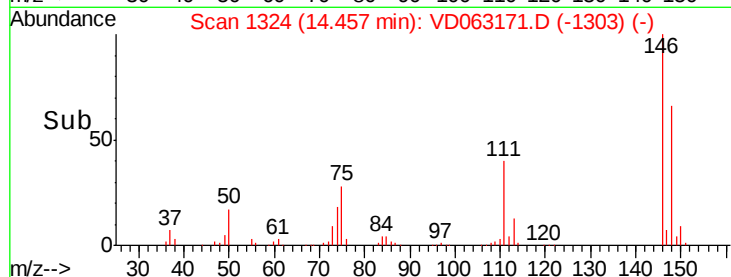
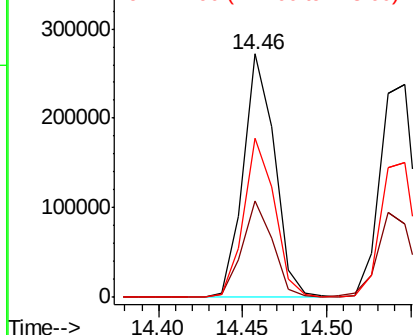
#87
 1,3-Dichlorobenzene
 Concen: 18.777 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

Tot Ion:146 Resp: 351487
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.6 55.6
 148 65.6 32.0 96.0

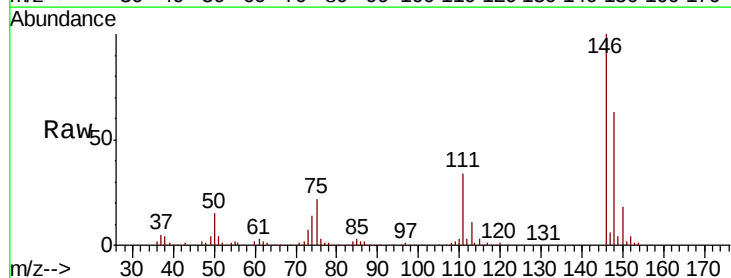


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

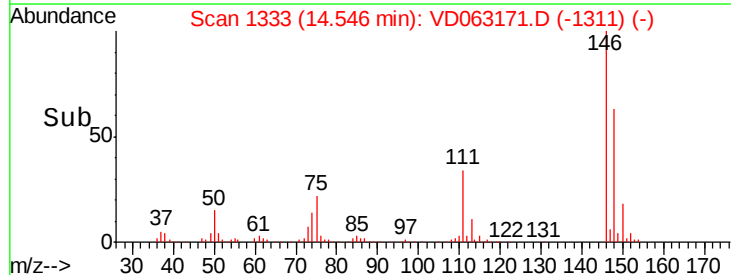
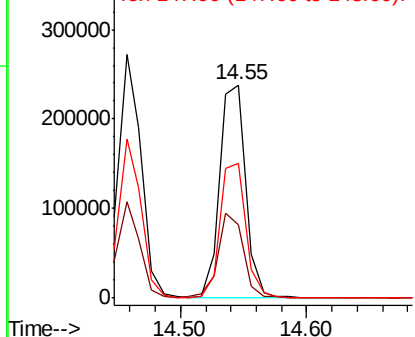


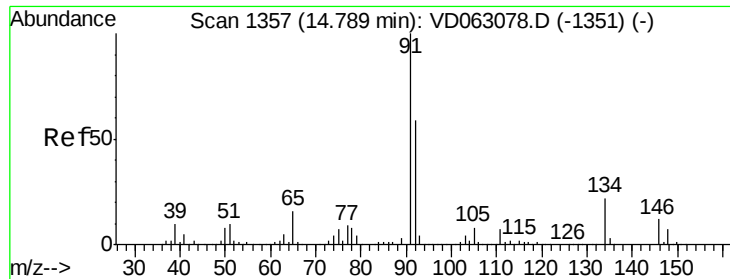
#88
 1,4-Dichlorobenzene
 Concen: 19.036 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion:146 Resp: 341617
 Ion Ratio Lower Upper
 146 100
 111 34.3 17.0 51.0
 148 63.3 32.0 96.2



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

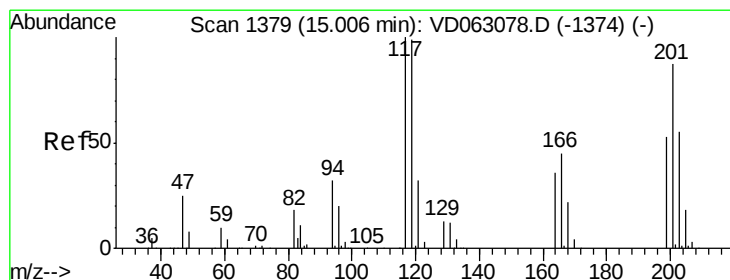
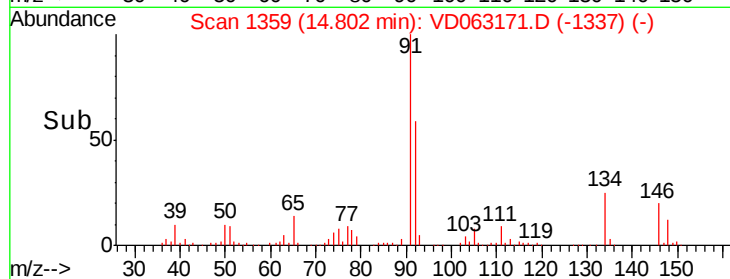
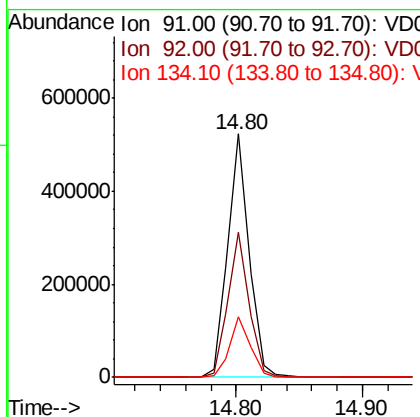
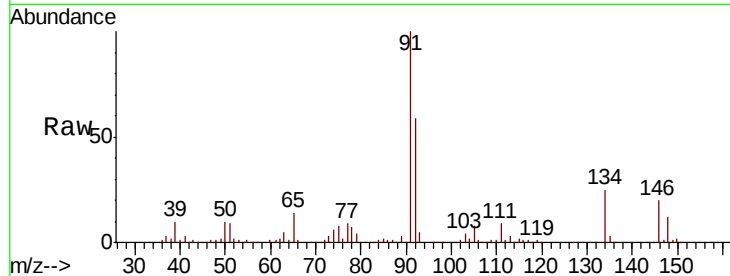




#89
n-Butylbenzene
Concen: 18.313 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

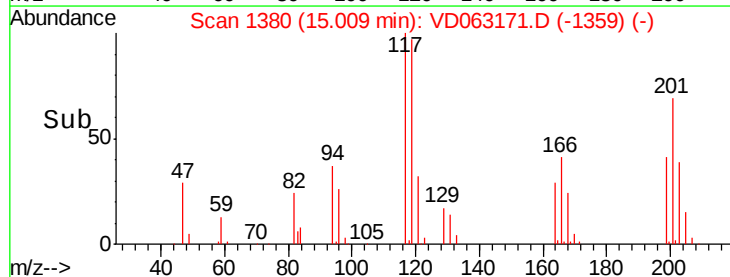
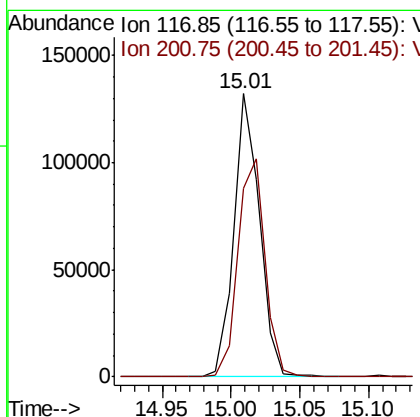
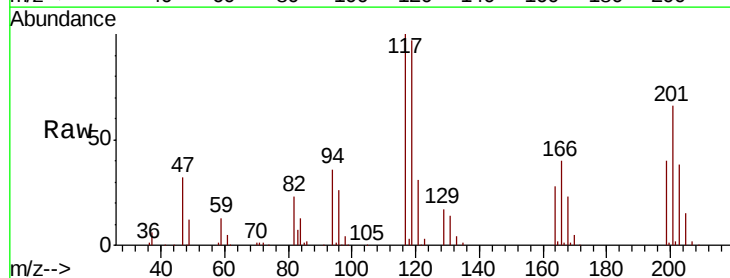
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

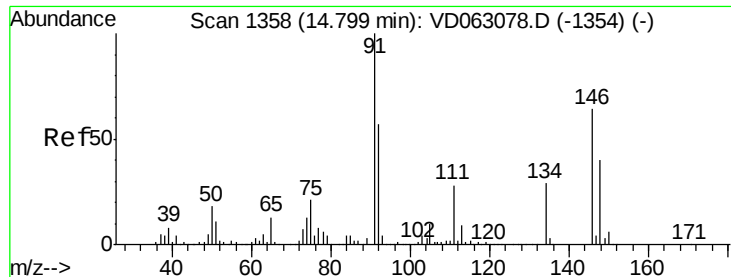
Tot Ion: 91 Resp: 609387
Ion Ratio Lower Upper
91 100
92 59.3 29.4 88.3
134 25.0 11.3 33.8



#90
Hexachloroethane
Concen: 17.732 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion: 117 Resp: 171135
Ion Ratio Lower Upper
117 100
201 66.5 43.4 130.1

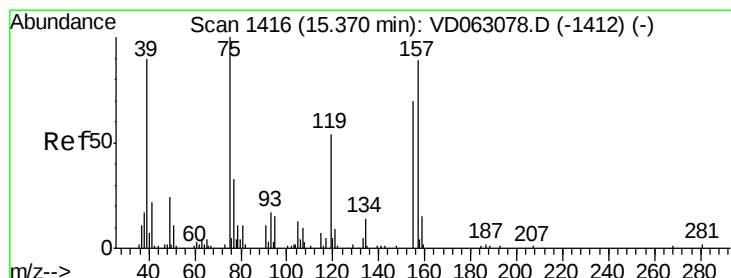
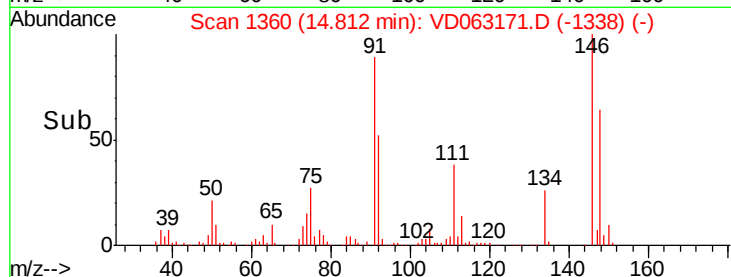
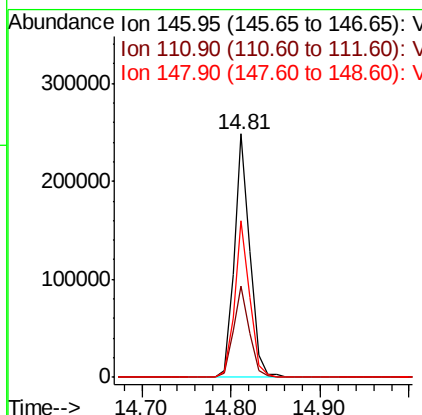
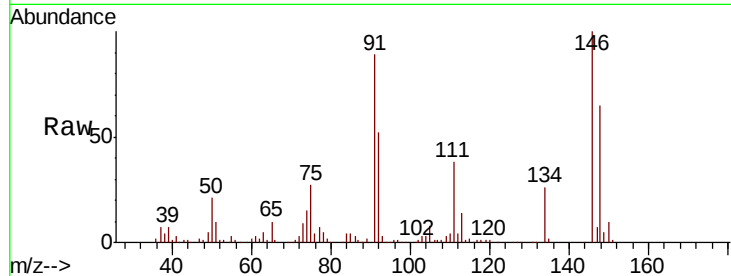




#91
 1,2-Dichlorobenzene
 Concen: 18.484 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

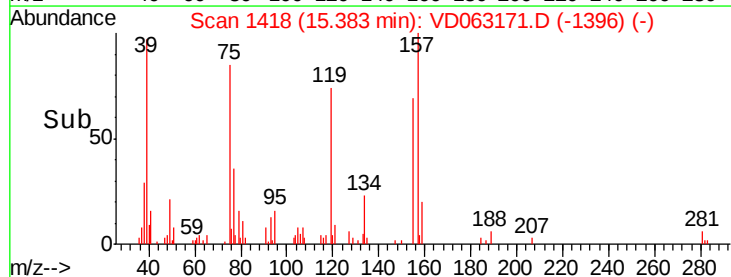
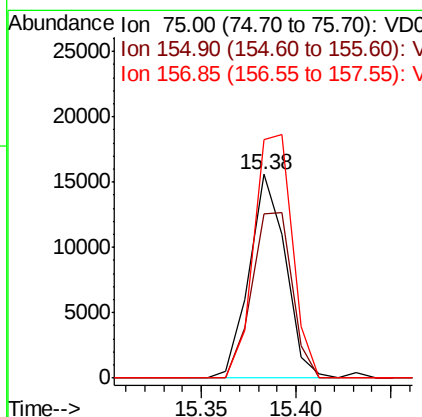
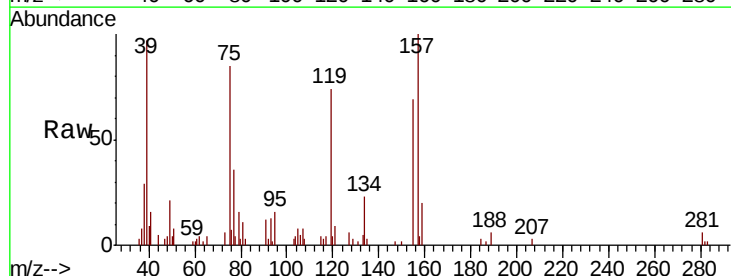
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

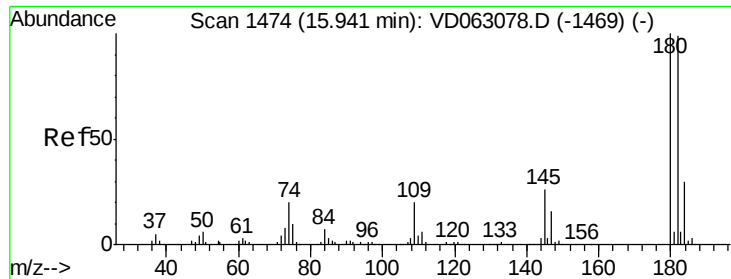
Tot Ion:146 Resp: 308106
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.9 65.5
 148 64.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.040 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion: 75 Resp: 20676
 Ion Ratio Lower Upper
 75 100
 155 80.6 34.8 104.3
 157 117.1 44.7 134.1

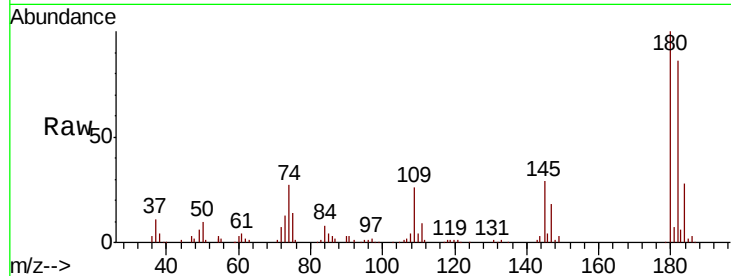




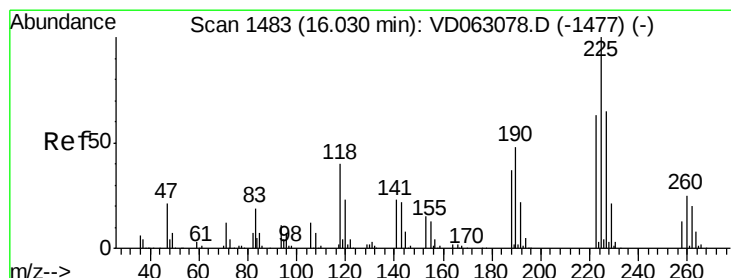
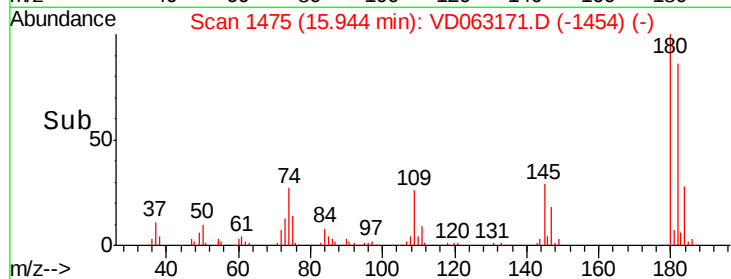
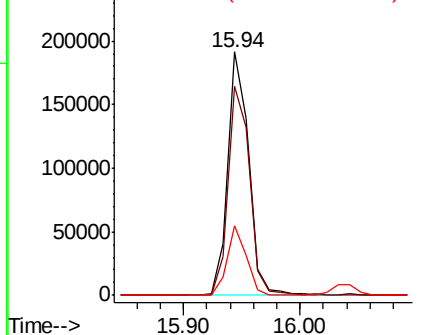
#93
 1,2,4-Trichlorobenzene
 Concen: 19.107 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.0	49.5	148.3
145	28.7	12.8	38.4

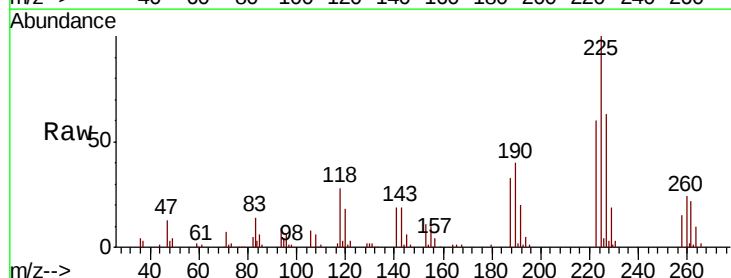


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

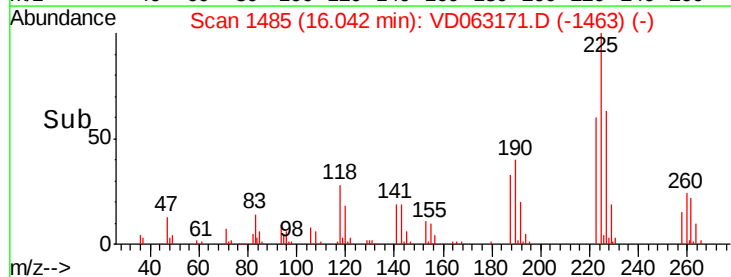
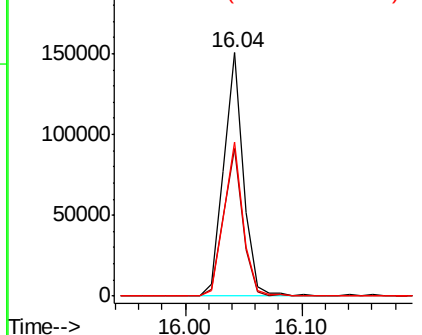


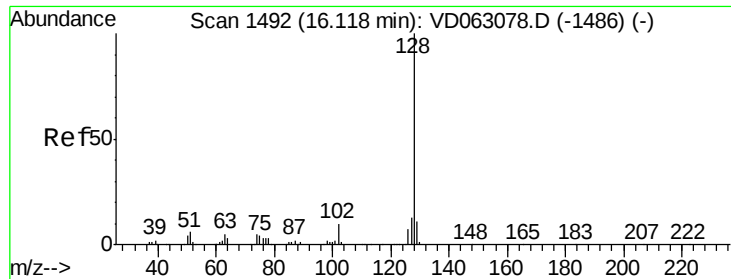
#94
 Hexachlorobutadiene
 Concen: 19.188 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063171.D
 Acq: 22 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.4	94.2
227	63.2	32.6	97.8



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

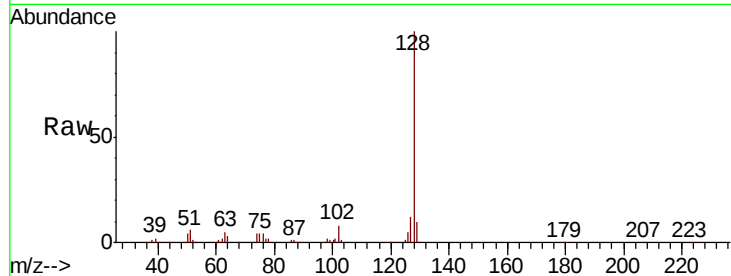




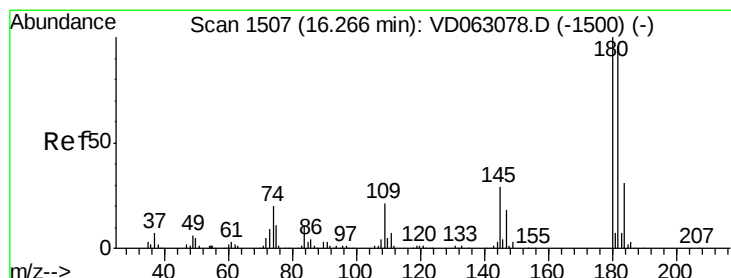
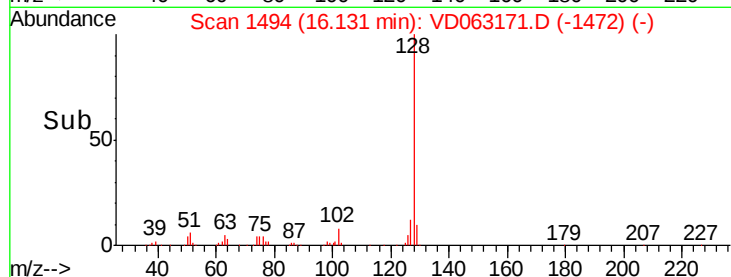
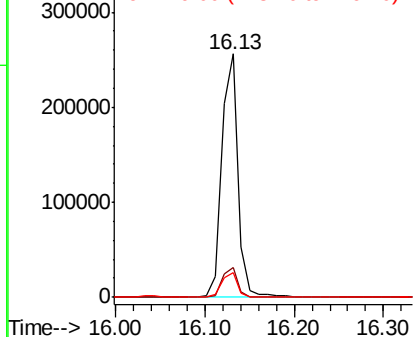
#95
Naphthalene
Concen: 17.916 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tot Ion:128 Resp: 328193
Ion Ratio Lower Upper
128 100
127 12.1 10.7 16.1
129 9.9 8.7 13.1

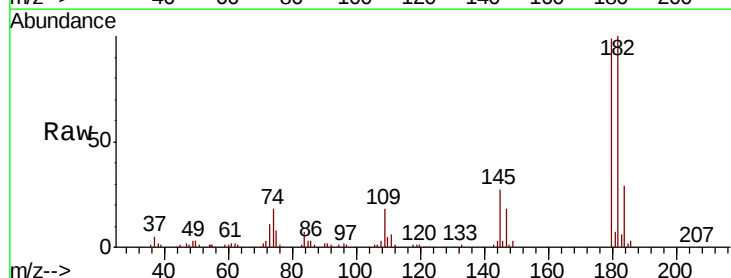


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.403 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063171.D
Acq: 22 Jul 2019 12:35

Tgt Ion:180 Resp: 195468
Ion Ratio Lower Upper
180 100
182 101.4 47.9 143.6
145 27.1 14.4 43.4



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

