

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063526.D
 Acq On : 13 Aug 2019 14:47
 Operator : JC/SY
 Sample : VD0813SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:27:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1138114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1627842	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1343379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	706046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	648567	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	6.94	113	710214	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.42	98	1547704	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	13.56	95	659550	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	280313	20.358	ug/l	97
3) Chloromethane	1.75	50	224992	20.914	ug/l	96
4) Vinyl Chloride	1.85	62	211201	19.776	ug/l	93
5) Bromomethane	2.15	94	90448	17.949	ug/l	99
6) Chloroethane	2.26	64	90686	18.569	ug/l #	87
7) Trichlorofluoromethane	2.53	101	414721	19.798	ug/l	99
8) Diethyl Ether	2.88	74	58691	19.844	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.15	101	247571	20.015	ug/l	91
10) Methyl Iodide	3.30	142	318733	18.212	ug/l #	96
11) Tert butyl alcohol	4.10	59	56893	107.428	ug/l	98
12) 1,1-Dichloroethene	3.13	96	199831	21.729	ug/l	95
13) Acrolein	3.05	56	52387	100.496	ug/l	99
14) Allyl chloride	3.62	41	259519	18.772	ug/l	98
15) Acrylonitrile	4.21	53	146185	104.212	ug/l	95
16) Acetone	3.23	43	220371	89.110	ug/l	93
17) Carbon Disulfide	3.37	76	568613	19.591	ug/l	98
18) Methyl Acetate	3.65	43	108726	23.211	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	403050	21.915	ug/l	99
20) Methylene Chloride	3.82	84	210002	19.638	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	199526	20.617	ug/l	92
22) Diisopropyl ether	5.14	45	611510	21.435	ug/l	97
23) Vinyl Acetate	5.07	43	1729303	104.270	ug/l	97
24) 1,1-Dichloroethane	5.00	63	374237	21.151	ug/l	100
25) 2-Butanone	6.09	43	269655	110.404	ug/l	94
26) 2,2-Dichloropropane	6.03	77	343755	19.505	ug/l	92
27) cis-1,2-Dichloroethene	6.05	96	231618	21.875	ug/l	91
28) Bromochloromethane	6.44	49	136204	18.993	ug/l	89
29) Tetrahydrofuran	6.47	42	122462	107.601	ug/l	94
30) Chloroform	6.67	83	438651	19.945	ug/l	98
31) Cyclohexane	6.96	56	228361	20.789	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	412370	19.601	ug/l	95
36) 1,1-Dichloropropene	7.15	75	281971	19.594	ug/l	98
37) Ethyl Acetate	6.20	43	129262	21.436	ug/l	97
38) Carbon Tetrachloride	7.11	117	401915	18.532	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	239885	19.604	ug/l	99
40) Benzene	7.46	78	645307	20.377	ug/l	99
41) Methacrylonitrile	6.46	41	159269	20.977	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	325630	20.449	ug/l	100
43) Isopropyl Acetate	9.25	43	175937	21.785	ug/l #	98
44) Trichloroethene	8.55	130	242705	20.051	ug/l	100
45) 1,2-Dichloropropane	8.95	63	159126	21.577	ug/l	96
46) Dibromomethane	9.07	93	127747	20.284	ug/l	92
47) Bromodichloromethane	9.38	83	326336	20.201	ug/l	97
48) Methyl methacrylate	9.13	41	110059	20.094	ug/l #	90
49) 1,4-Dioxane	9.08	88	20548	434.469	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	595000	107.667	ug/l	95
52) Toluene	10.52	92	395145	19.372	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	281311	21.337	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	313885	21.114	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	132176	19.183	ug/l	95
56) Ethyl methacrylate	11.05	69	148713	19.885	ug/l	99
57) 1,3-Dichloropropane	11.42	76	213334	20.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	429651	108.823	ug/l	99
59) 2-Hexanone	11.53	43	426884	106.161	ug/l	97
60) Dibromochloromethane	11.69	129	266264	21.237	ug/l	92
61) 1,2-Dibromoethane	11.81	107	168345	20.183	ug/l	99
64) Tetrachloroethene	11.27	164	216773	20.903	ug/l	96
65) Chlorobenzene	12.40	112	550055	21.847	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	228851	20.653	ug/l	94
67) Ethyl Benzene	12.53	91	897922	20.510	ug/l	98
68) m/p-Xylenes	12.68	106	657502	42.748	ug/l	98
69) o-Xylene	13.05	106	297262	20.081	ug/l	96
70) Styrene	13.07	104	511412	19.422	ug/l	97
71) Bromoform	13.24	173	153862	20.250	ug/l	96
73) Isopropylbenzene	13.40	105	958459	21.342	ug/l	96
74) N-amyl acetate	13.27	43	229697	20.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	157920	21.186	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	168920	20.846	ug/l	98
77) Bromobenzene	13.67	156	262817	21.413	ug/l	94
78) n-propylbenzene	13.78	91	1068758	20.340	ug/l	97
79) 2-Chlorotoluene	13.85	91	583423	19.257	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	781141	19.908	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	44269	20.327	ug/l	92
82) 4-Chlorotoluene	13.95	91	731337	20.075	ug/l	95
83) tert-Butylbenzene	14.19	119	854044	20.669	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	801523	22.077	ug/l	95
85) sec-Butylbenzene	14.37	105	911571	20.774	ug/l	98
86) p-Isopropyltoluene	14.50	119	862548	20.558	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	479093	21.580	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	440199	20.667	ug/l	97
89) n-Butylbenzene	14.80	91	776640	20.282	ug/l	96
90) Hexachloroethane	15.01	117	231908	21.991	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	411714	21.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26668	19.001	ug/l	95

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

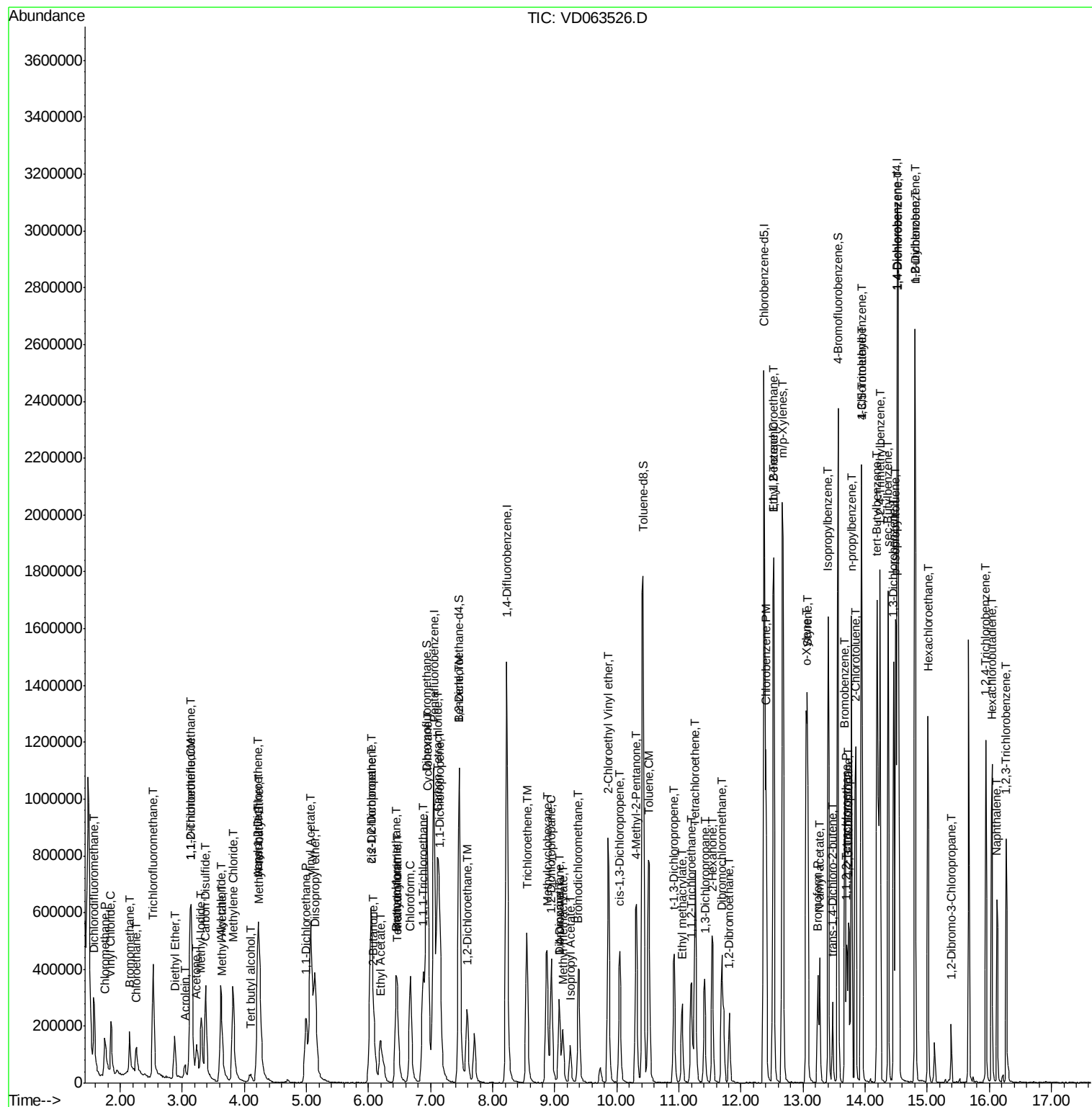
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	288229	20.796	ug/l	99
94) Hexachlorobutadiene	16.04	225	209581	19.841	ug/l	96
95) Naphthalene	16.12	128	423316	20.154	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	217522	19.431	ug/l	96

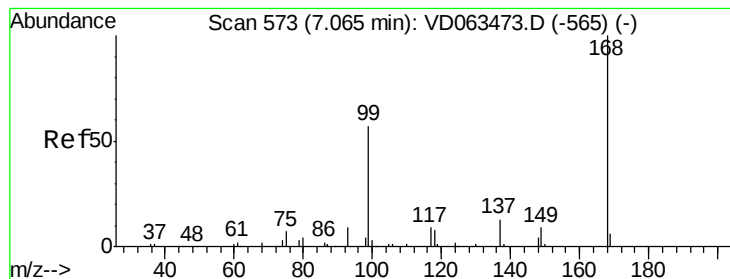
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

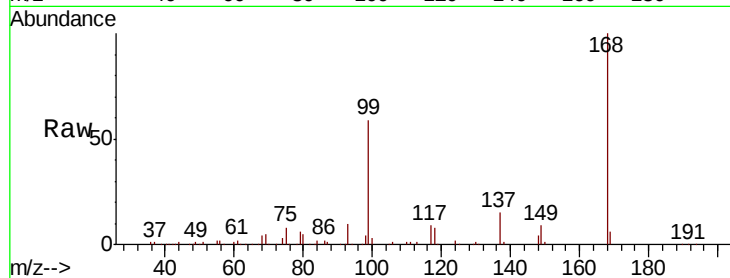
ClientSampleId :

Tot Ion:168 Resp: 1138114

Ion Ratio Lower Upper

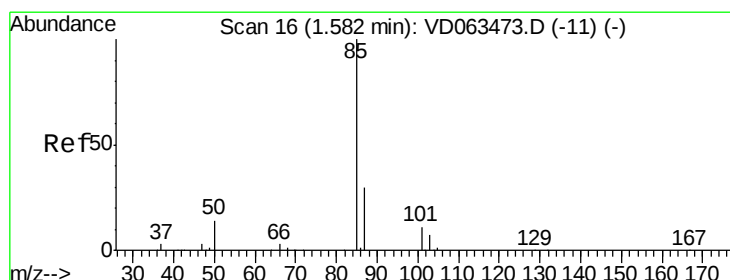
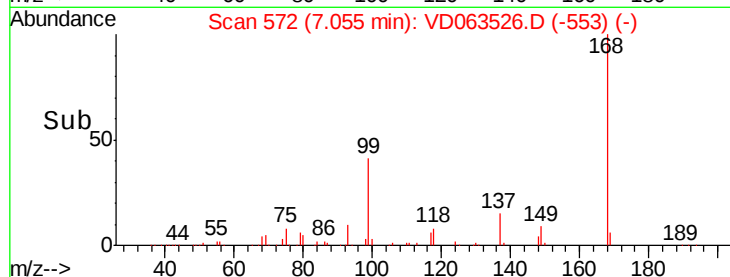
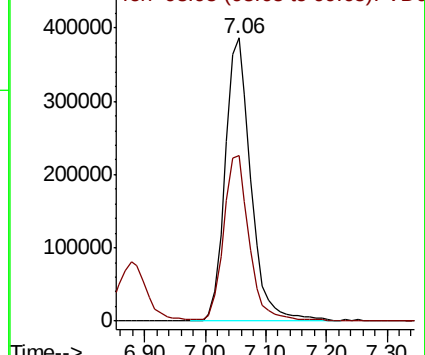
168 100

99 58.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.358 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD063526.D

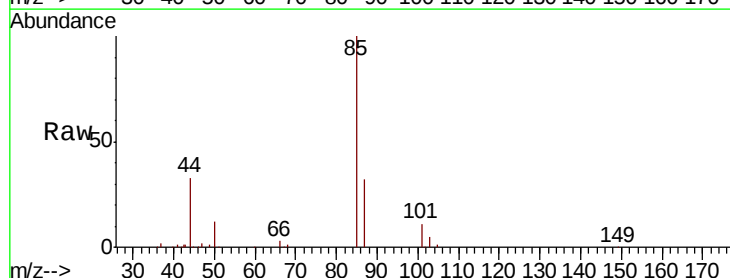
Acq: 13 Aug 2019 14:47

Tgt Ion: 85 Resp: 280313

Ion Ratio Lower Upper

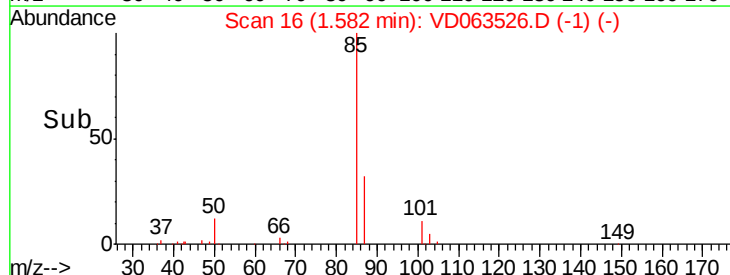
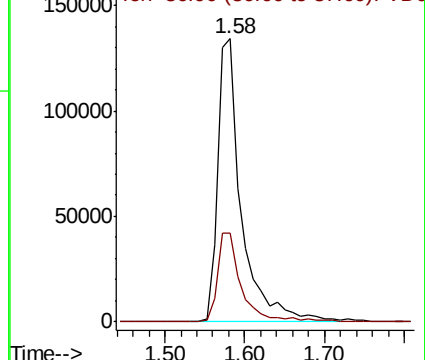
85 100

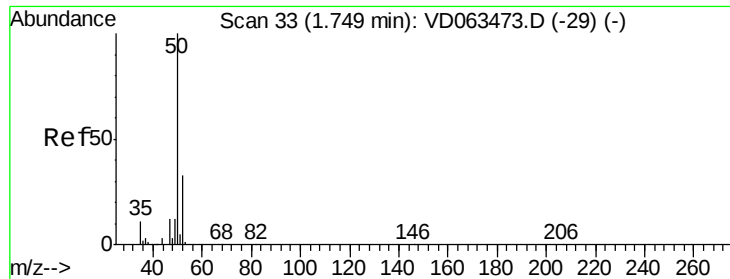
87 31.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.914 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

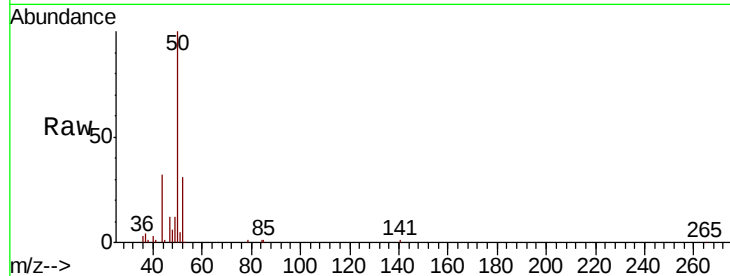
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 224992

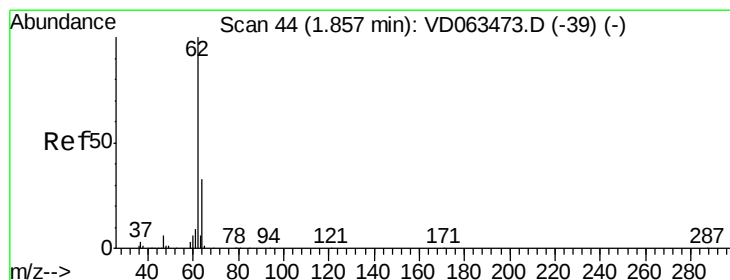
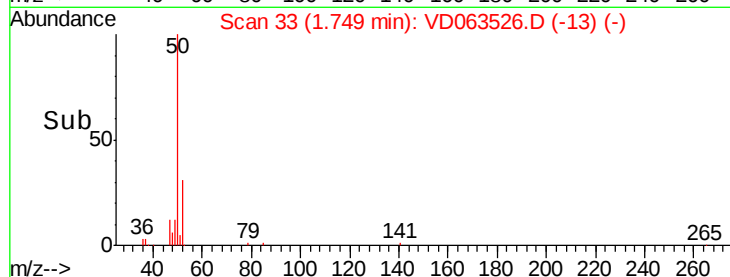
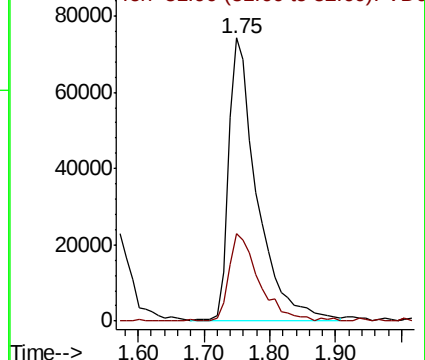
Ion Ratio Lower Upper

50 100

52 31.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.776 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063526.D

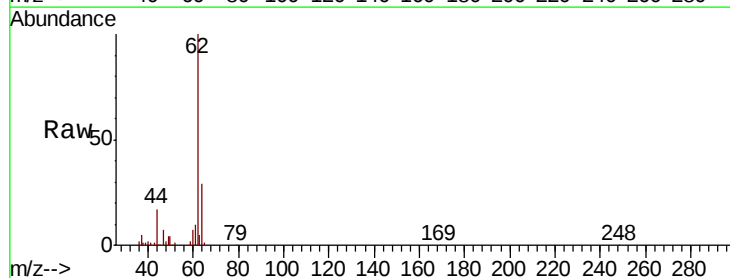
Acq: 13 Aug 2019 14:47

Tgt Ion: 62 Resp: 211201

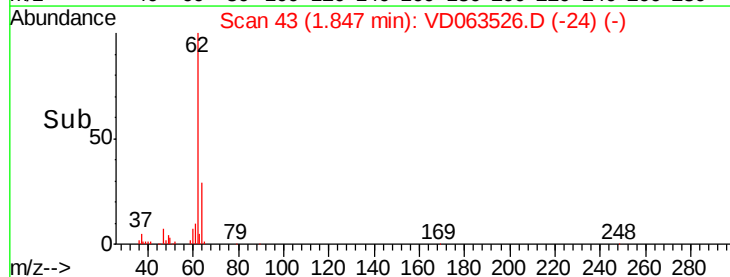
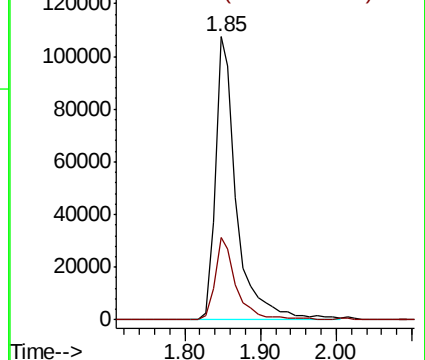
Ion Ratio Lower Upper

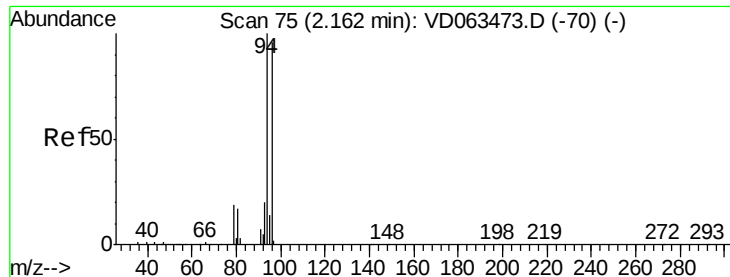
62 100

64 29.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.949 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :

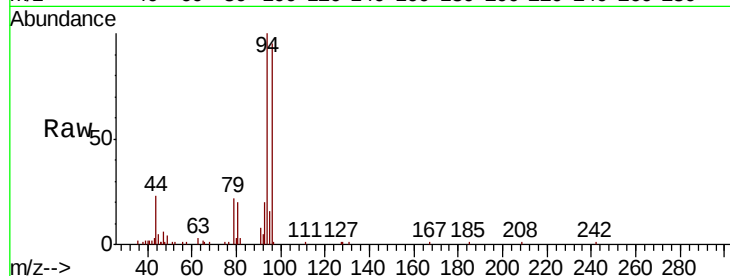
Tot Ion: 94 Resp: 90448

Ion Ratio Lower Upper

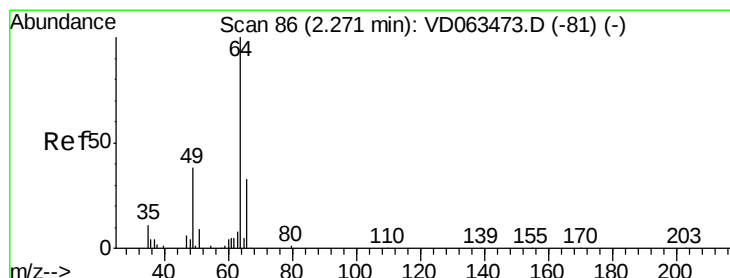
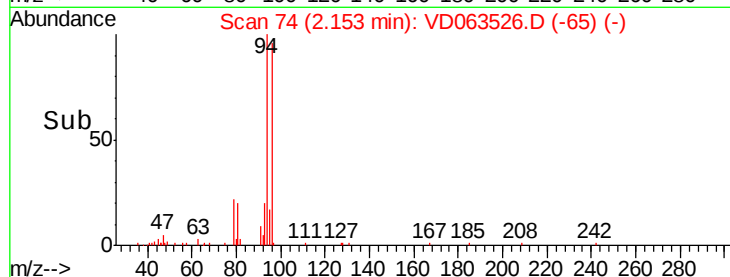
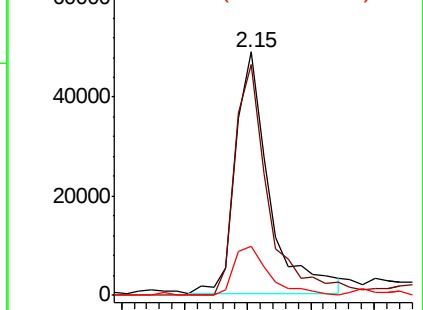
94 100

96 94.9 76.5 114.7

93 20.1 15.8 23.8



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: 18.569 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063526.D

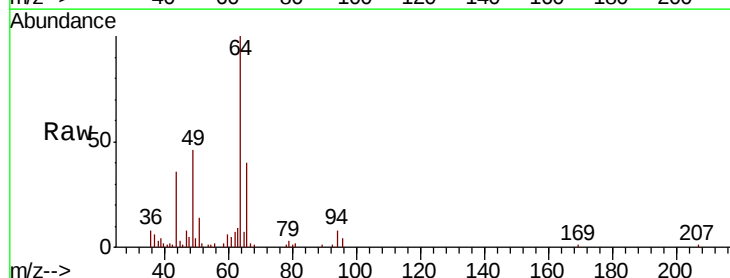
Acq: 13 Aug 2019 14:47

Tgt Ion: 64 Resp: 90686

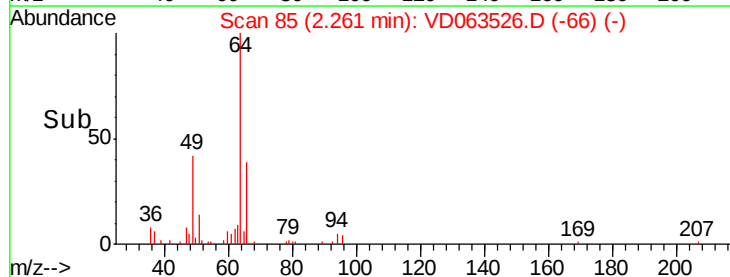
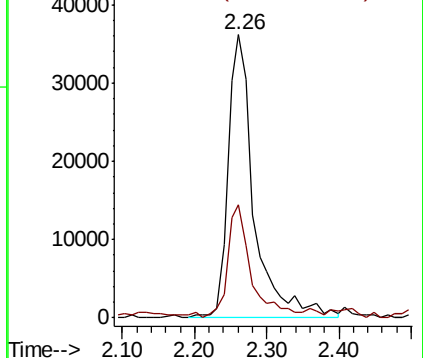
Ion Ratio Lower Upper

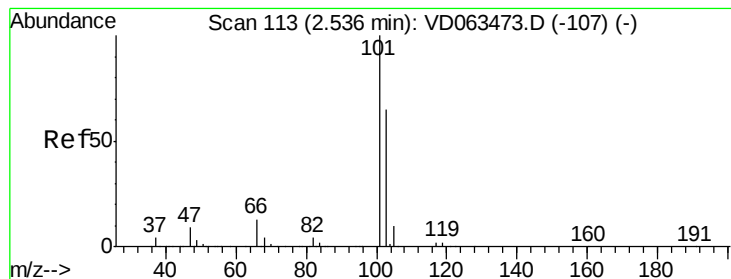
64 100

66 40.2 26.3 39.5#



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



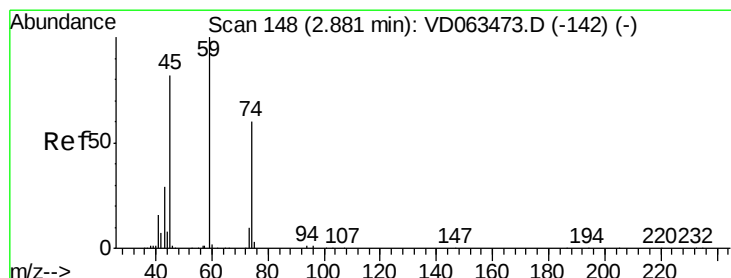
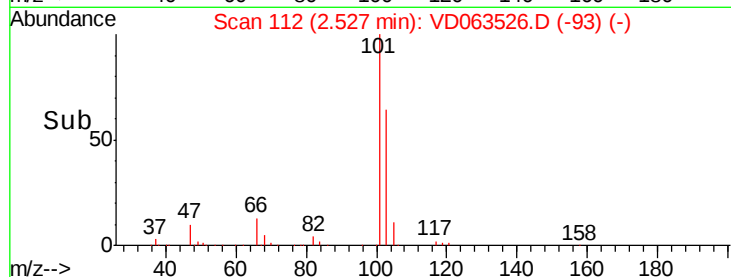
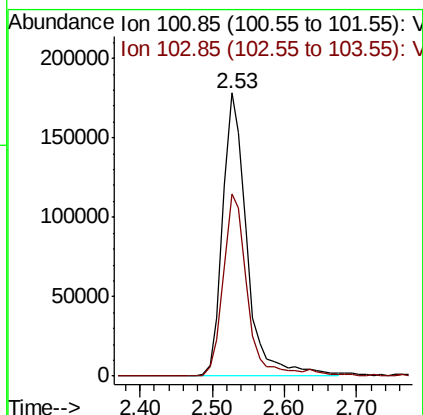
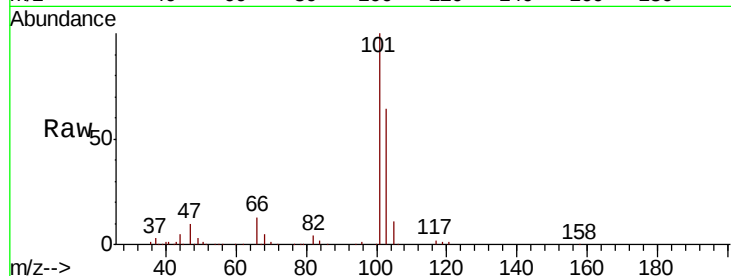


#7

Trichlorofluoromethane
 Concen: 19.798 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :

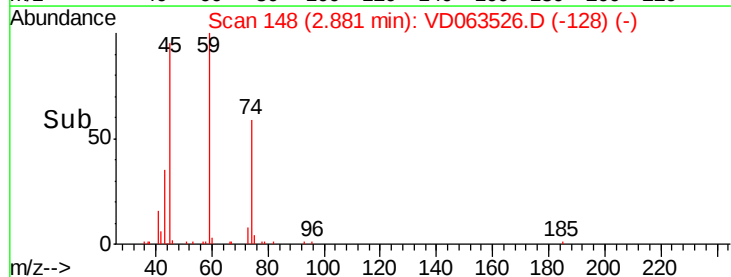
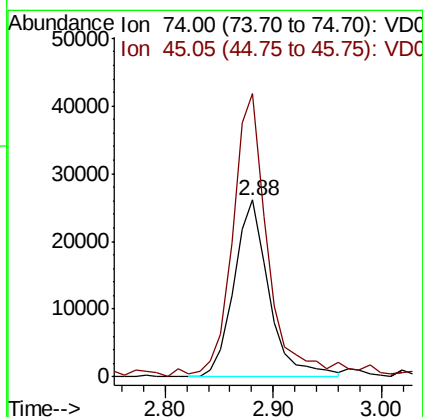
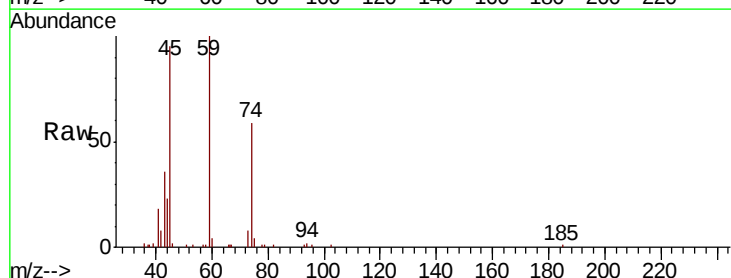
Tot Ion:101 Resp: 414721
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.4

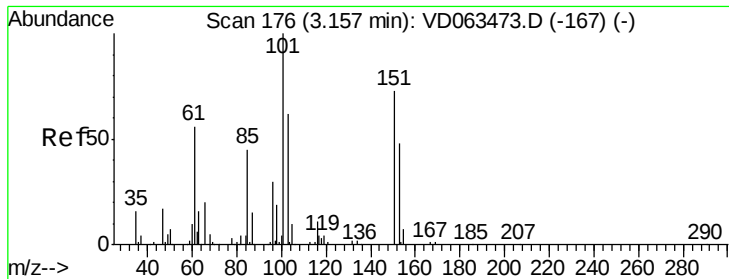


#8

Diethyl Ether
 Concen: 19.844 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 74 Resp: 58691
 Ion Ratio Lower Upper
 74 100
 45 160.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.015 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

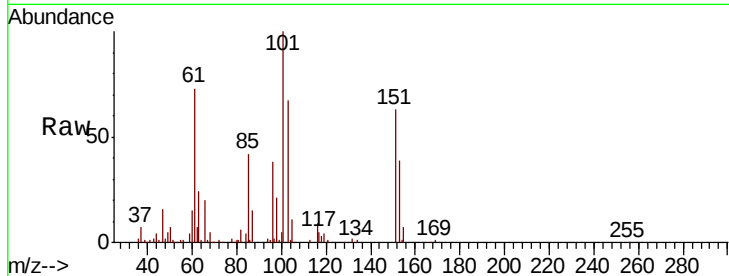
Tot Ion:101 Resp: 247571

Ion Ratio Lower Upper

101 100

85 41.8 35.8 53.6

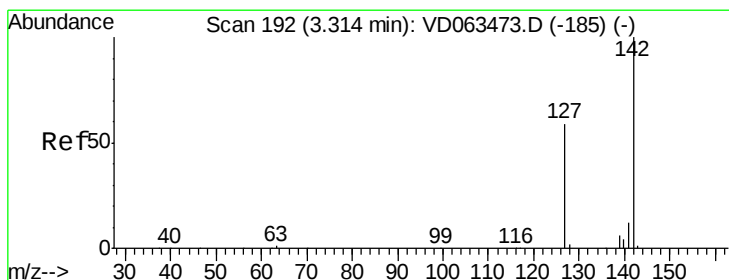
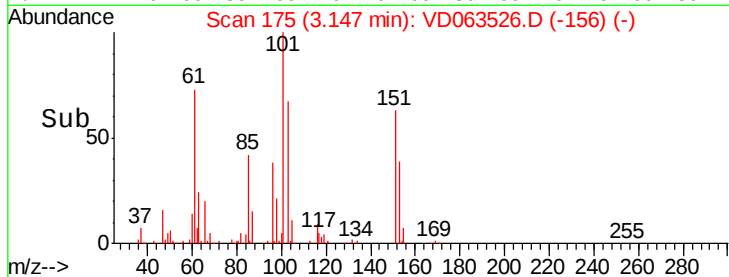
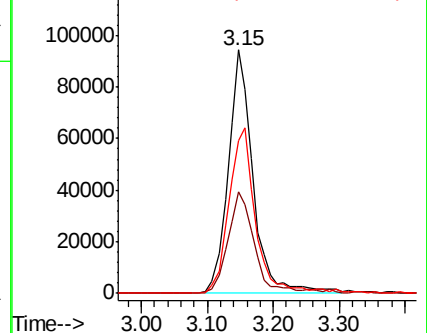
151 62.8 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.212 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

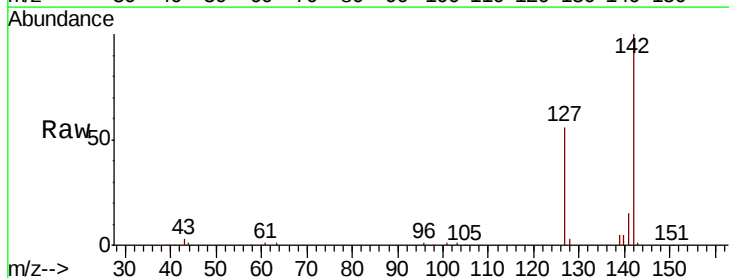
Tgt Ion:142 Resp: 318733

Ion Ratio Lower Upper

142 100

127 56.2 47.2 70.8

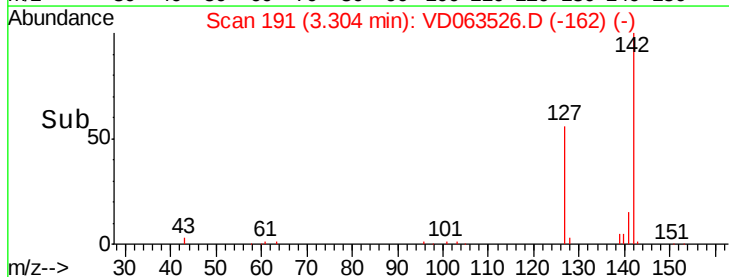
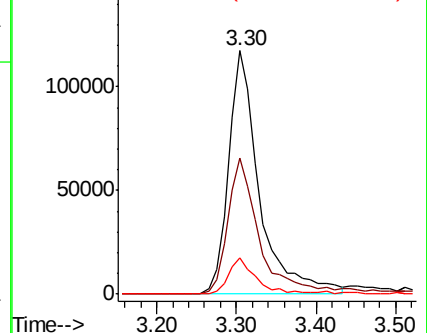
141 14.8 9.8 14.8#

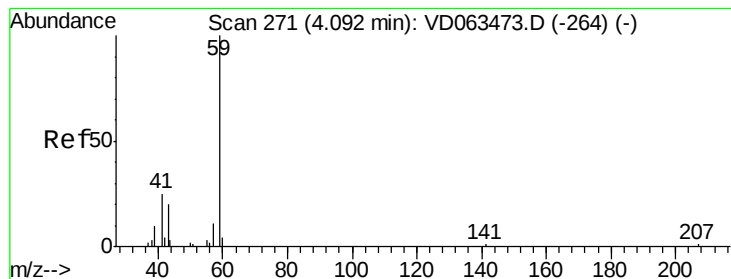


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



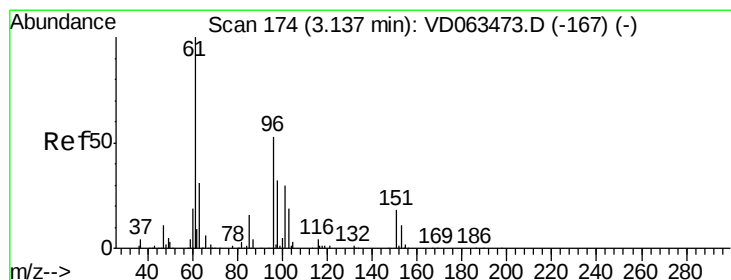
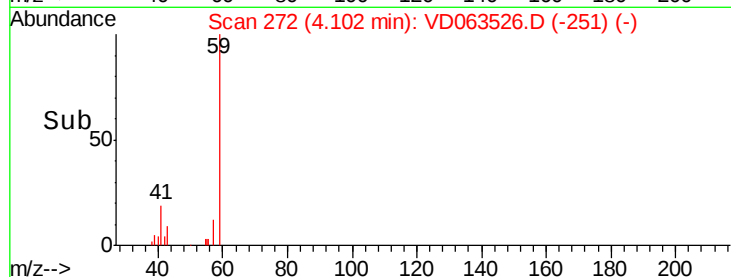
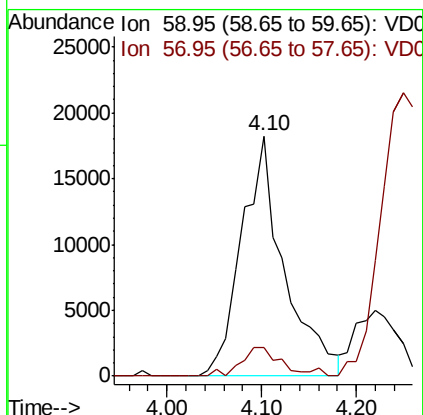
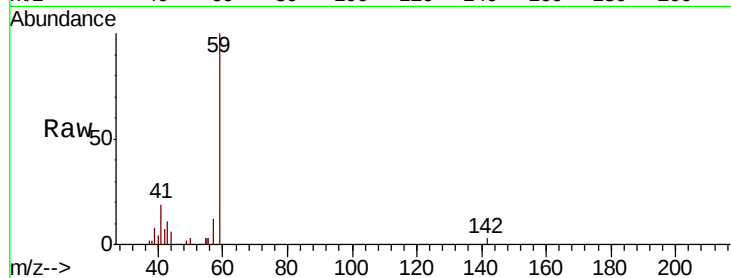


#11

Tert butyl alcohol
Concen: 107.428 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :

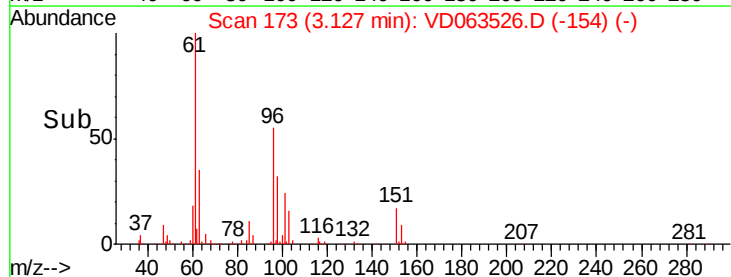
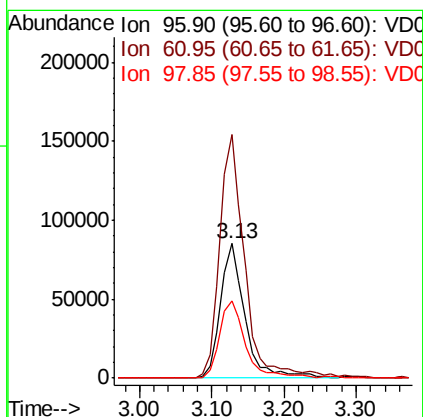
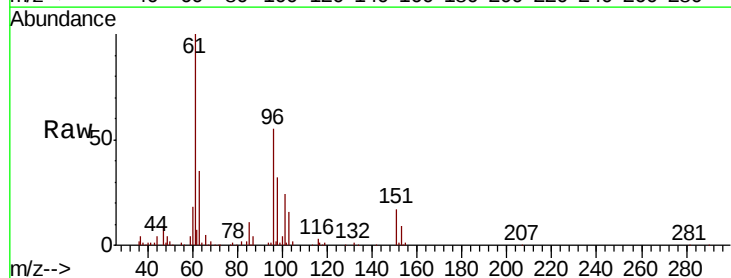
Tot Ion: 59 Resp: 56893
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1

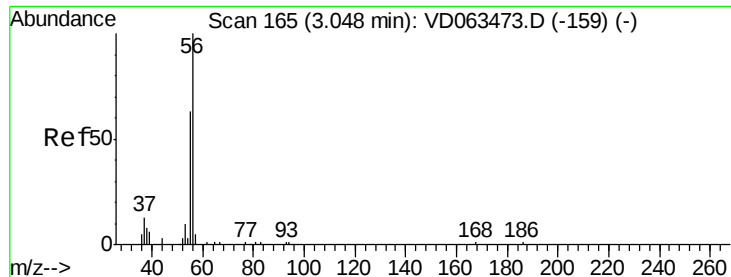


#12

1,1-Dichloroethene
Concen: 21.729 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 96 Resp: 199831
Ion Ratio Lower Upper
96 100
61 180.9 151.7 227.5
98 57.5 48.4 72.6





#13

Acrolein

Concen: 100.496 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

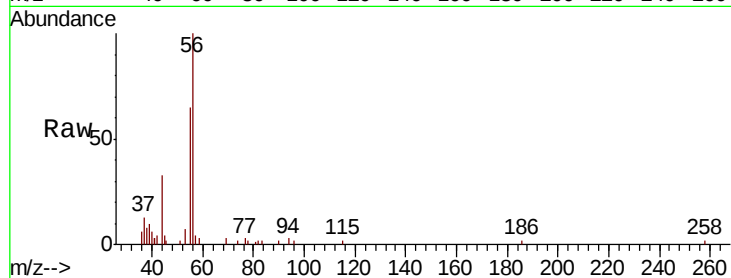
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 52387

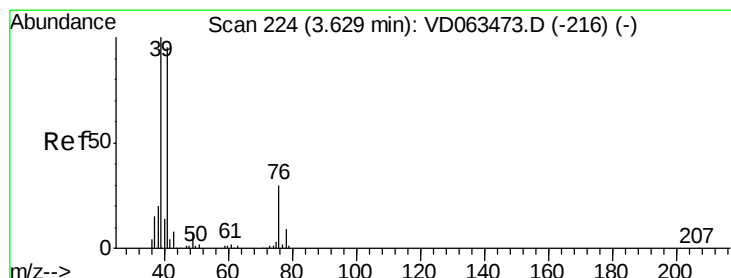
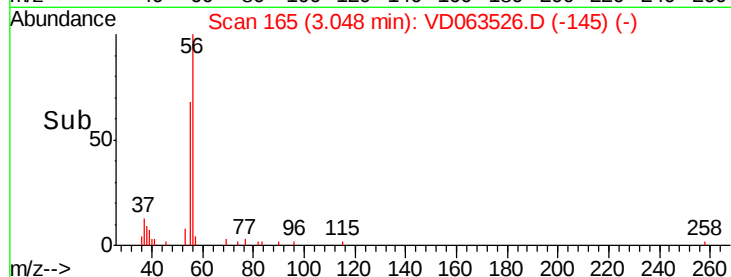
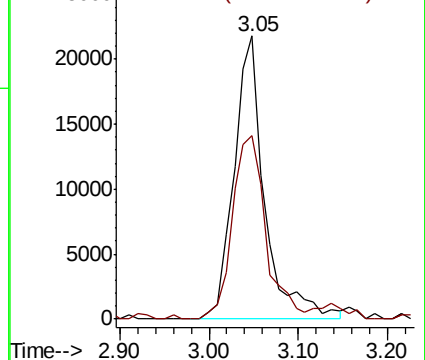
Ion Ratio Lower Upper

56 100

55 65.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.772 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

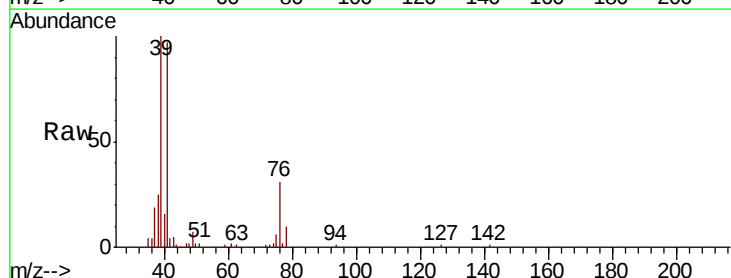
Tgt Ion: 41 Resp: 259519

Ion Ratio Lower Upper

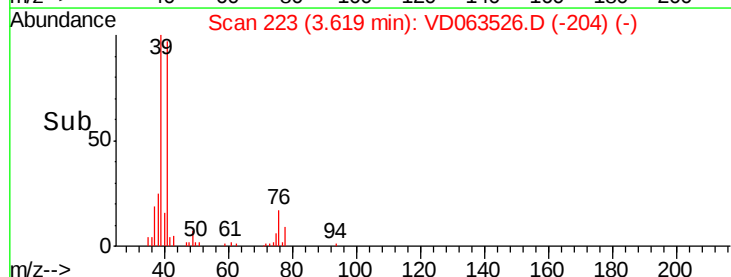
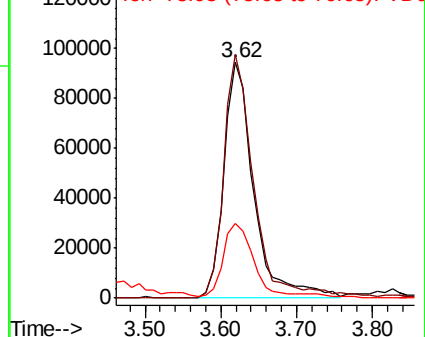
41 100

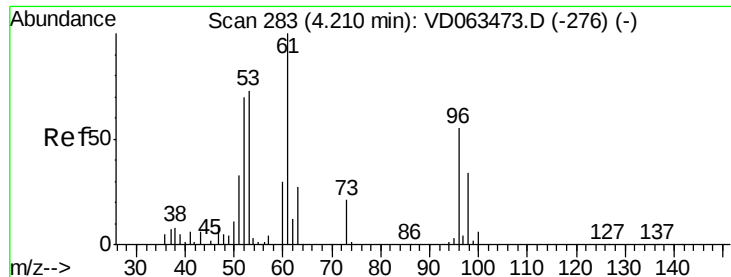
39 103.4 84.2 126.4

76 31.8 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

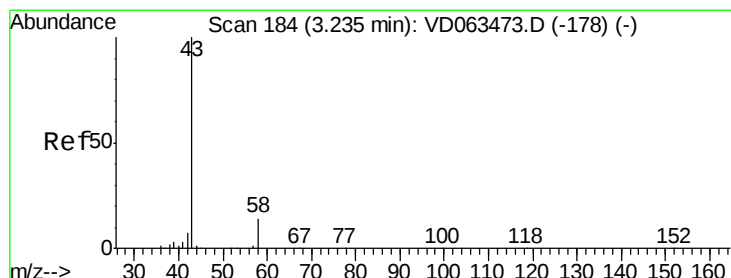
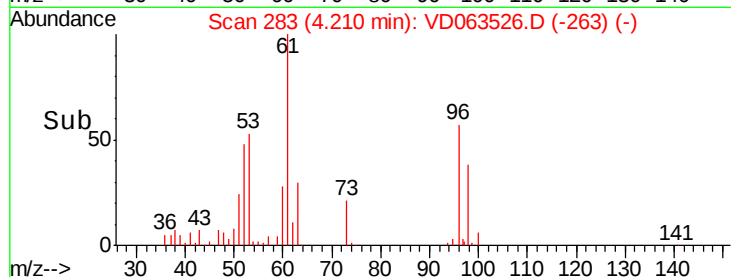
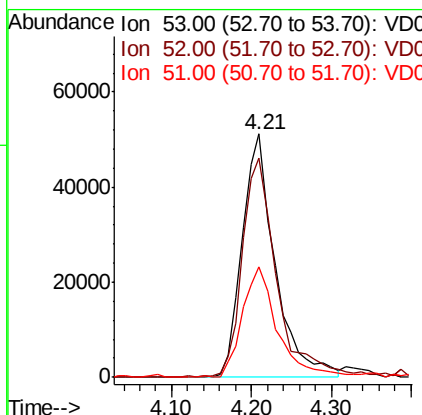
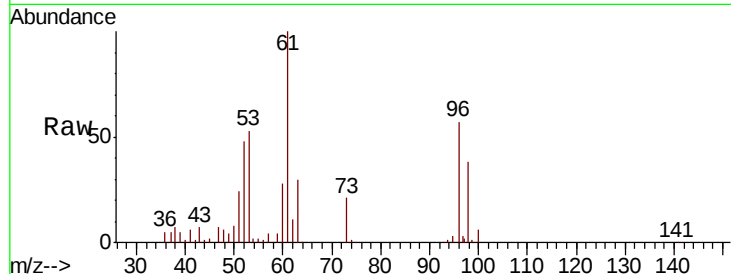




#15
 Acrylonitrile
 Concen: 104.212 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

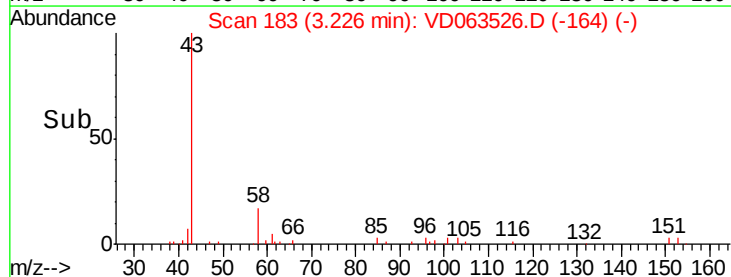
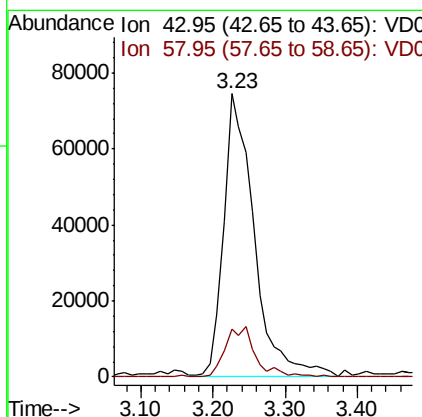
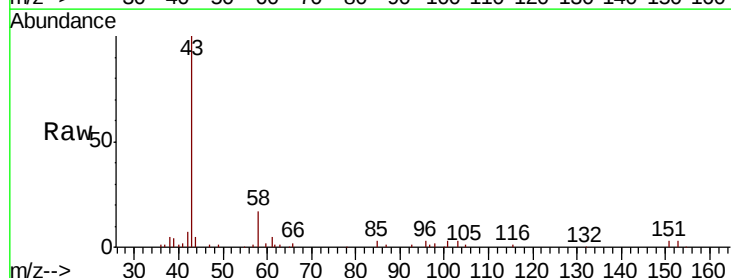
Instrument :
 MSVOA_D
 ClientSampleId :

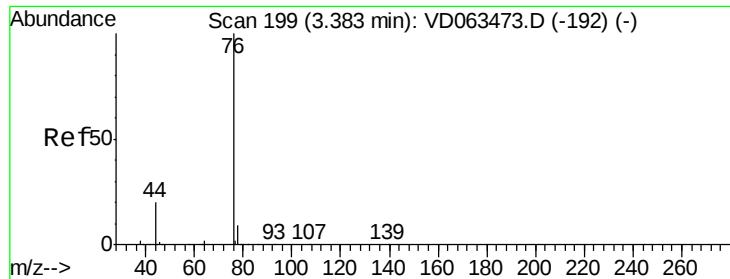
Tot Ion: 53 Resp: 146185
 Ion Ratio Lower Upper
 53 100
 52 89.8 77.4 116.0
 51 45.5 36.7 55.1



#16
 Acetone
 Concen: 89.110 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 43 Resp: 220371
 Ion Ratio Lower Upper
 43 100
 58 17.0 11.4 17.2

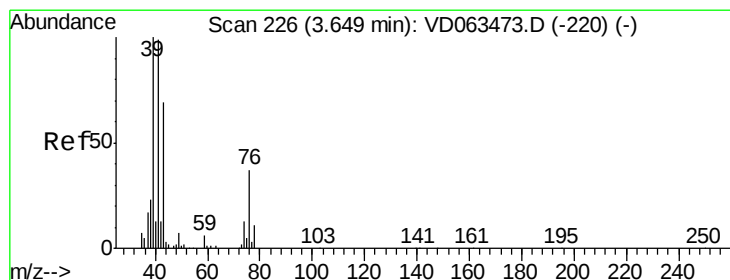
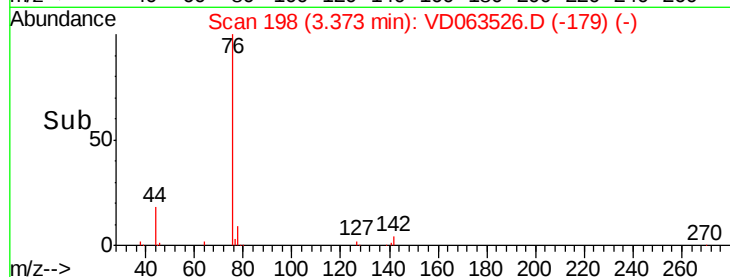
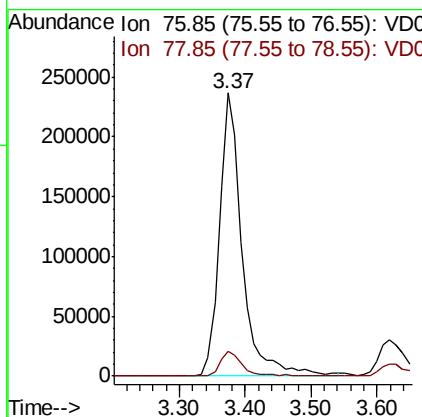
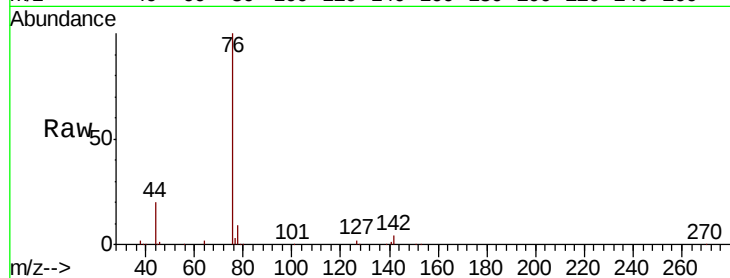




#17
Carbon Disulfide
Concen: 19.591 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

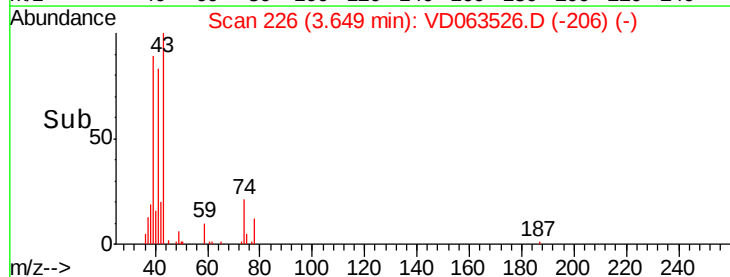
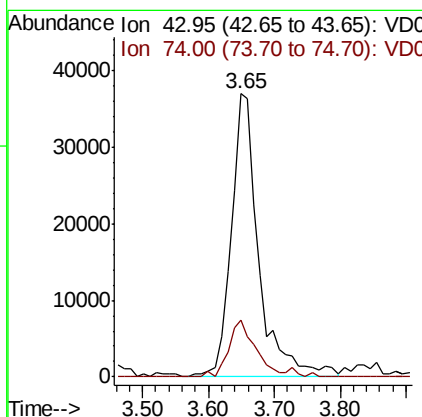
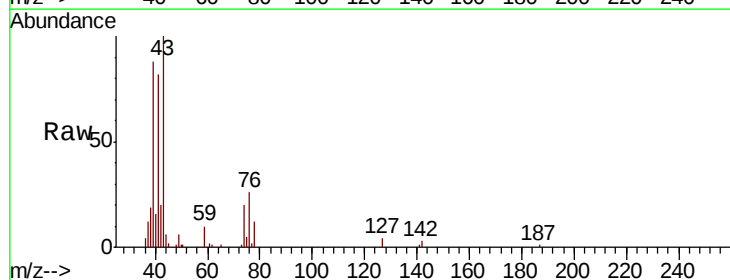
Instrument :
MSVOA_D
ClientSampleId :

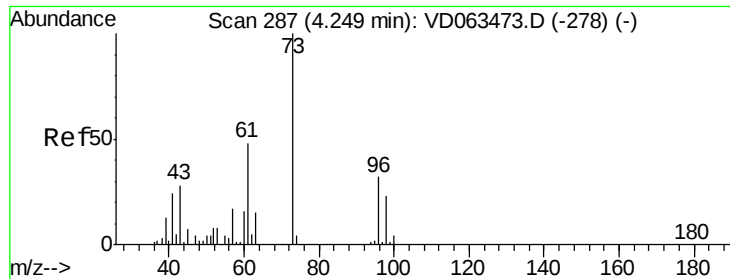
Tot Ion: 76 Resp: 568613
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 23.211 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 43 Resp: 108726
Ion Ratio Lower Upper
43 100
74 20.2 15.4 23.2

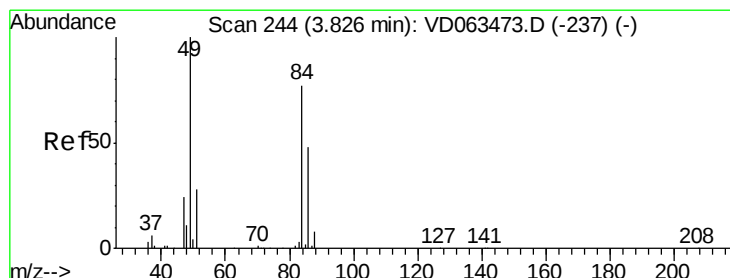
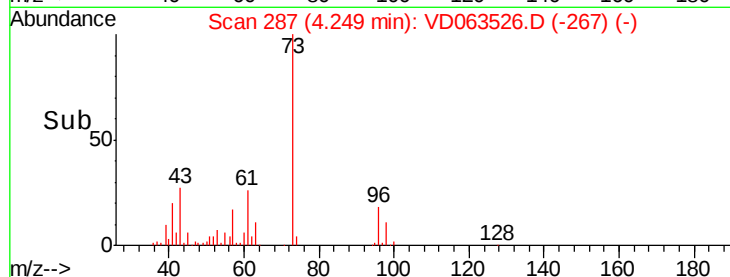
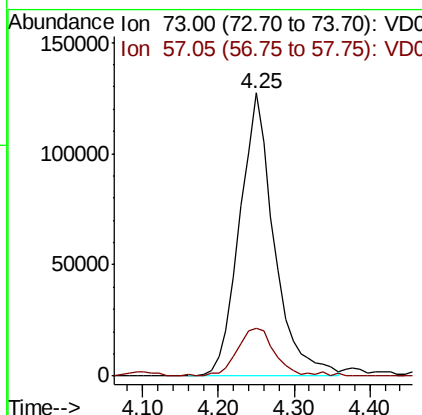
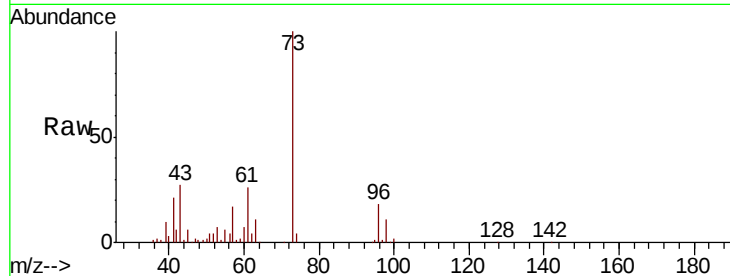




#19
Methvl tert-butvl Ether
Concen: 21.915 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

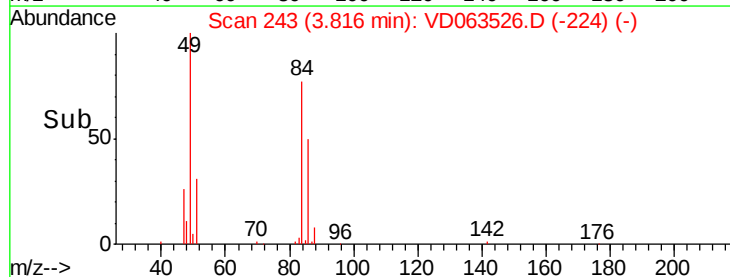
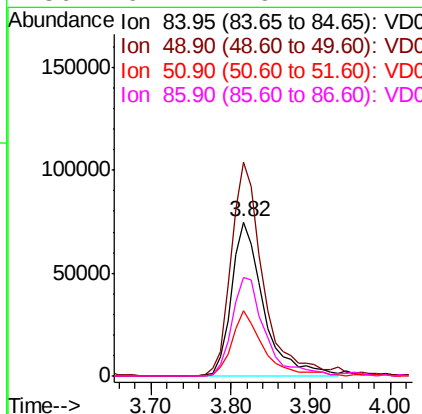
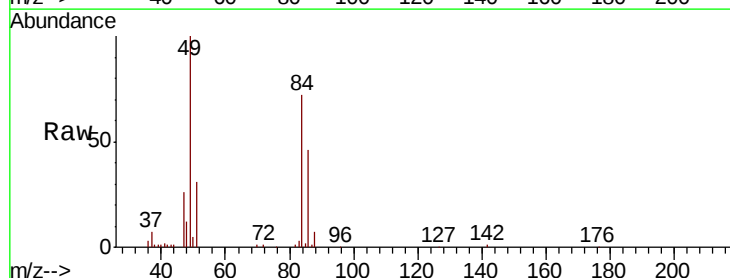
Instrument :
MSVOA_D
ClientSampled :

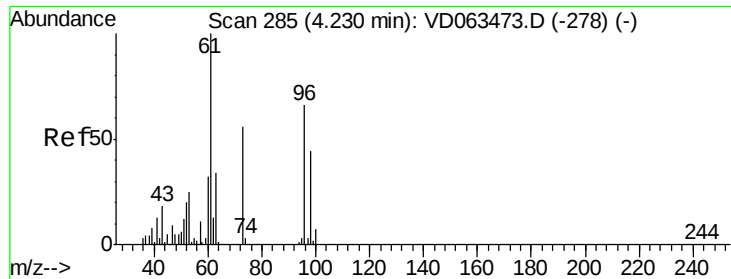
Tot Ion: 73 Resp: 403050
Ion Ratio Lower Upper
73 100
57 16.9 14.0 21.0



#20
Methylene Chloride
Concen: 19.638 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 84 Resp: 210002
Ion Ratio Lower Upper
84 100
49 138.7 103.4 155.2
51 42.6 28.5 42.7
86 64.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.617 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

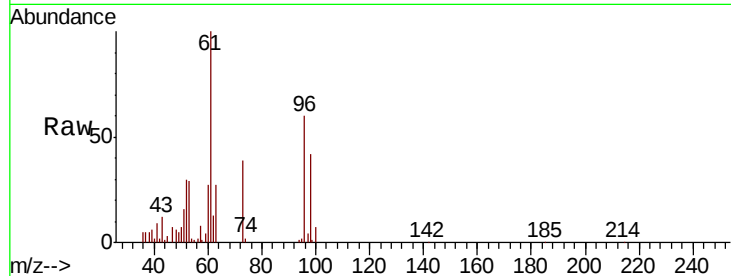
Tot Ion: 96 Resp: 199526

Ion Ratio Lower Upper

96 100

61 165.3 121.7 182.5

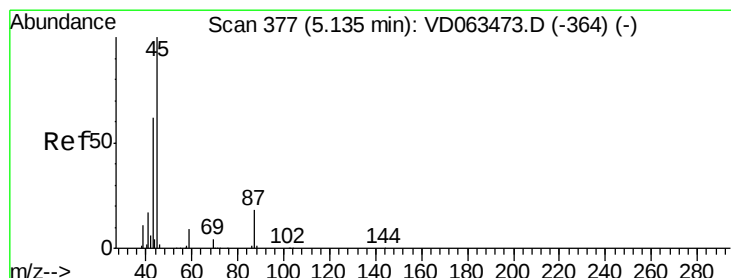
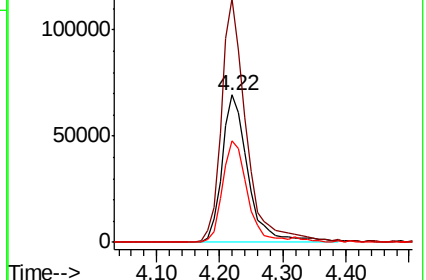
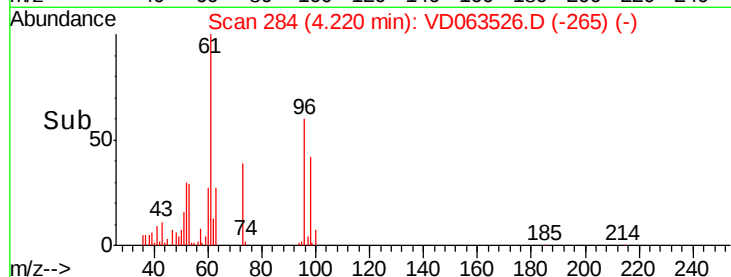
98 68.7 54.2 81.2



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: 21.435 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Tgt Ion: 45 Resp: 611510

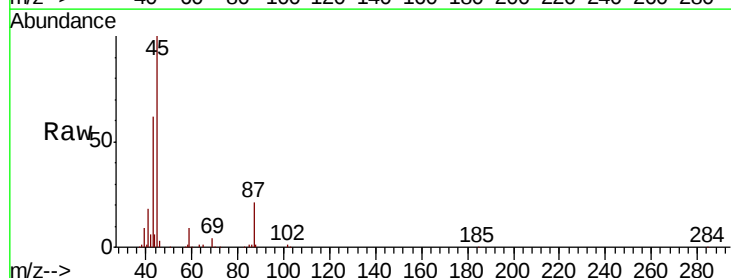
Ion Ratio Lower Upper

45 100

43 61.7 50.3 75.5

87 21.1 14.3 21.5

59 8.5 7.7 11.5

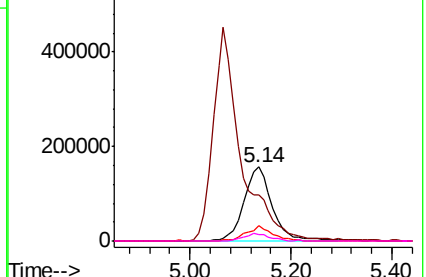
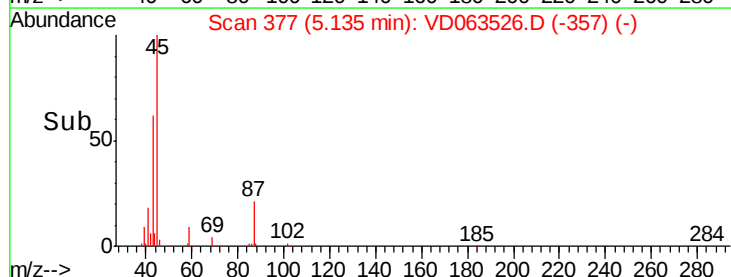


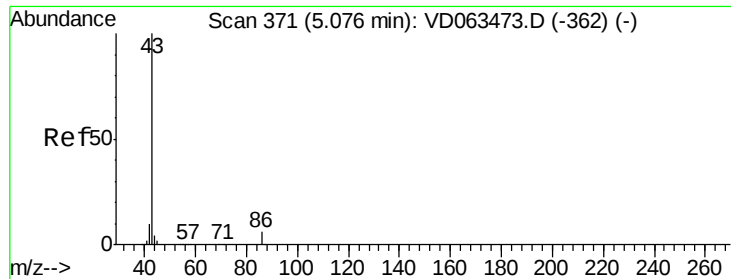
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.270 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

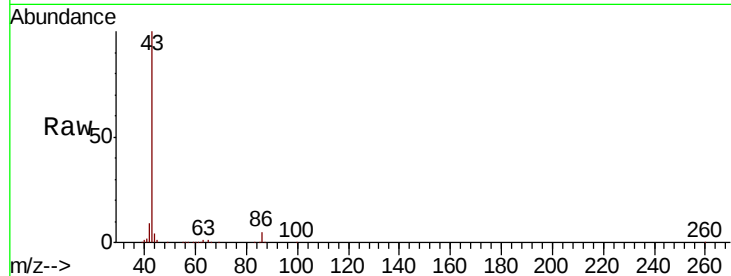
ClientSampled :

Tot Ion: 43 Resp: 1729303

Ion Ratio Lower Upper

43 100

86 4.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

400000

300000

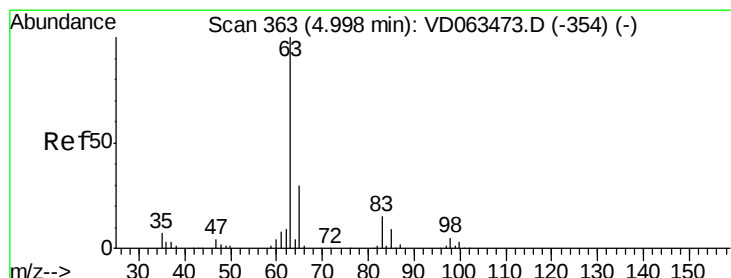
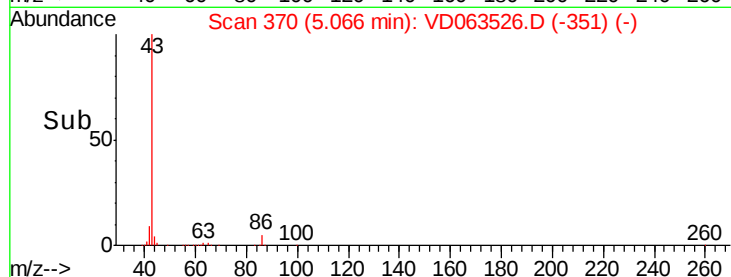
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 21.151 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

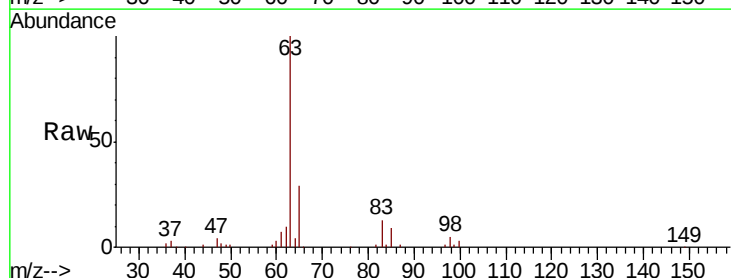
Tgt Ion: 63 Resp: 374237

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

100 2.6 1.3 3.8



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

150000

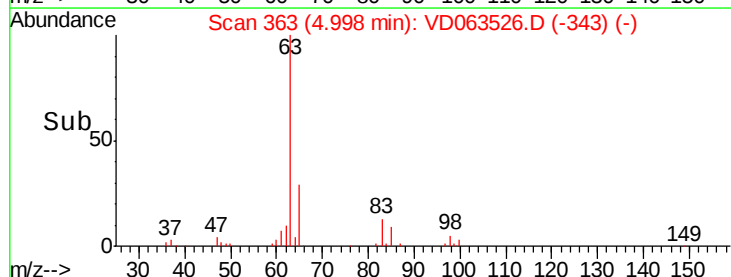
100000

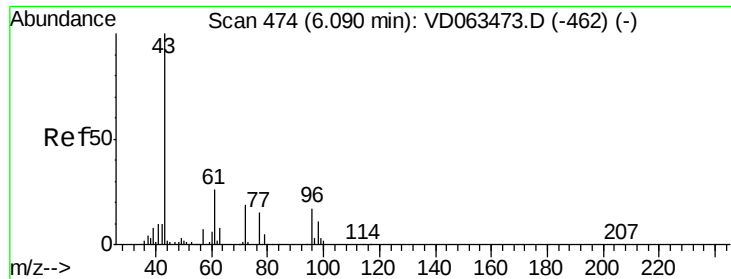
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 110.404 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

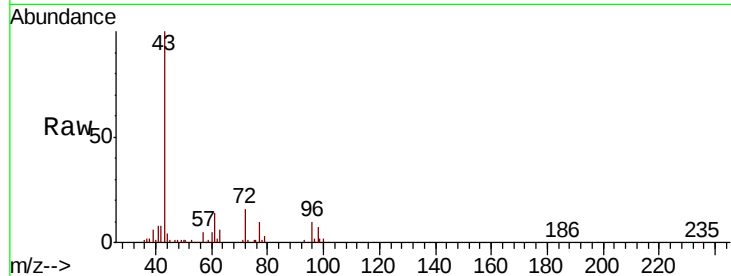
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 269655

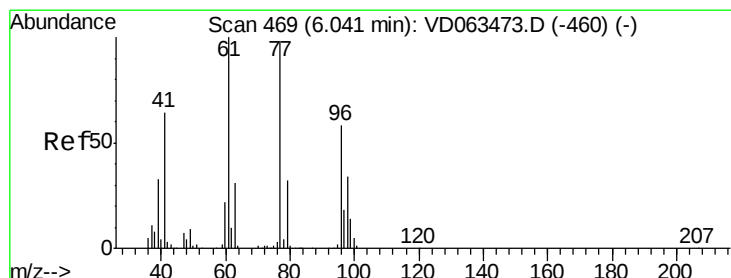
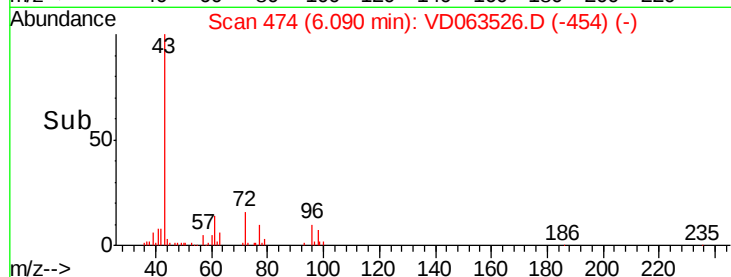
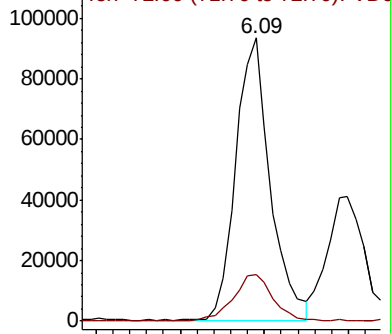
Ion Ratio Lower Upper

43 100

72 16.3 15.1 22.7



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



#26

2,2-Dichloropropane

Concen: 19.505 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063526.D

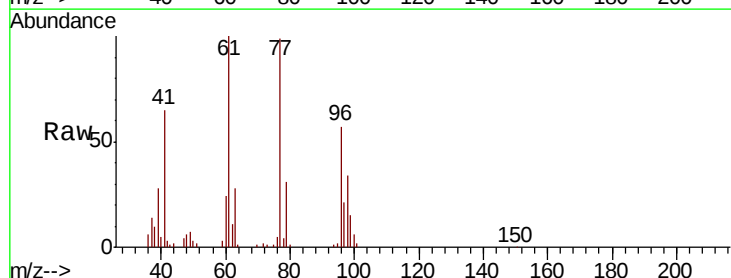
Acq: 13 Aug 2019 14:47

Tgt Ion: 77 Resp: 343755

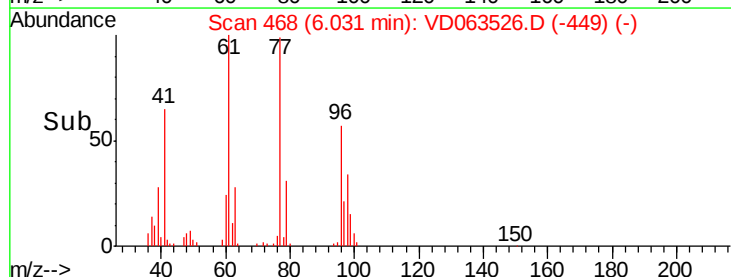
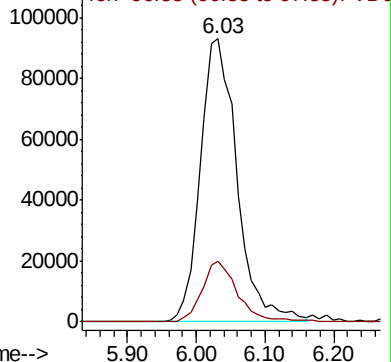
Ion Ratio Lower Upper

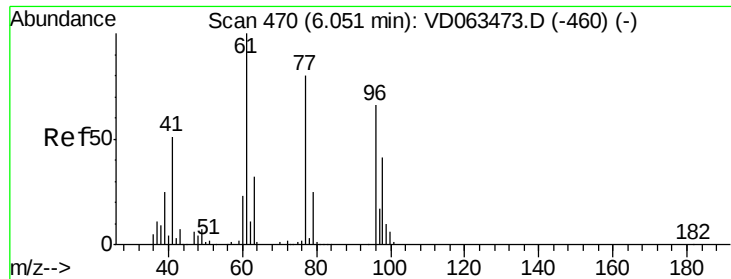
77 100

97 21.6 9.0 27.1



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



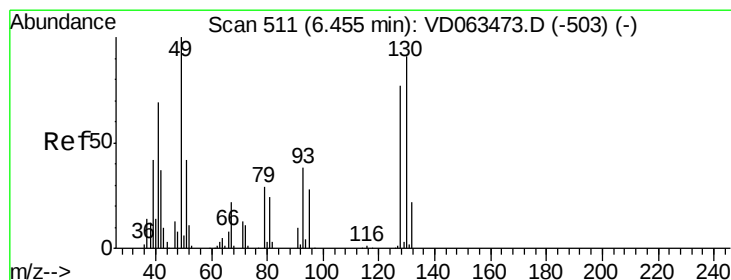
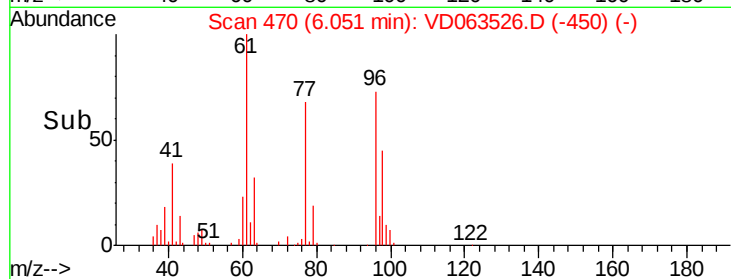
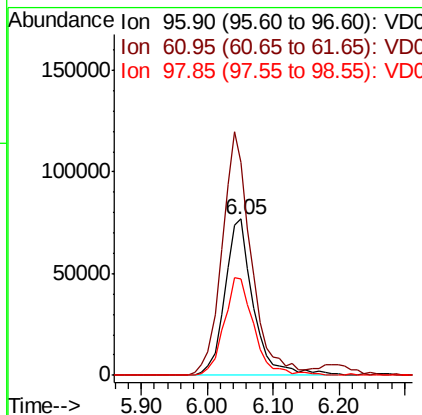
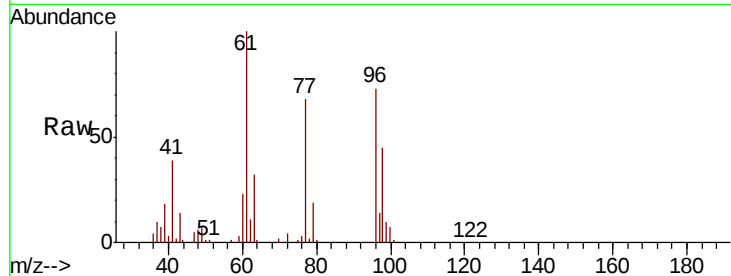


#27

cis-1,2-Dichloroethene
 Concen: 21.875 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :

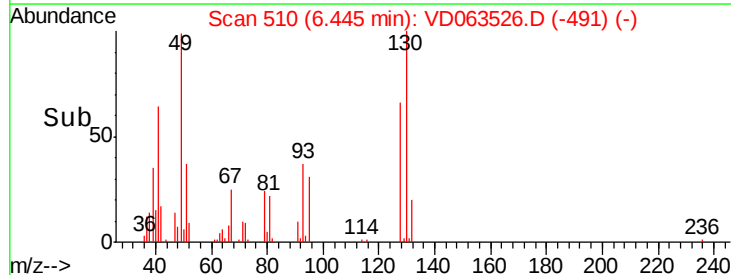
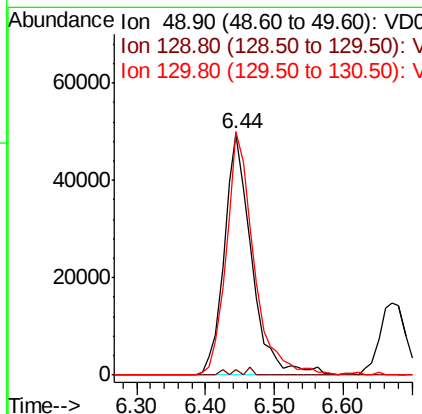
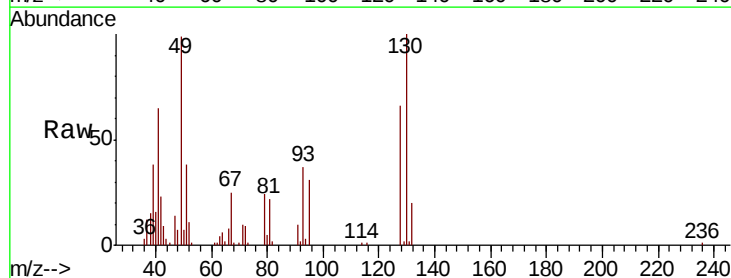
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	304.0
98	61.9	0.0	124.8



#28

Bromochloromethane
 Concen: 18.993 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.4
130	100.9	72.4	108.6





#29

Tetrahydrofuran

Concen: 107.601 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

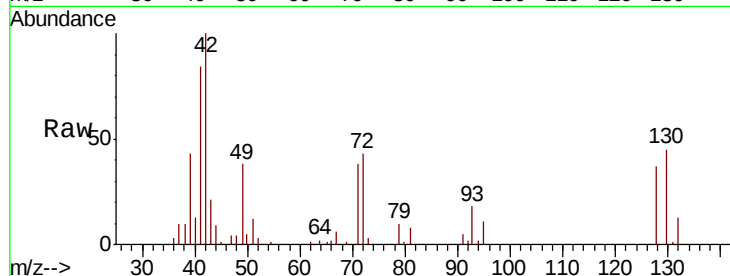
Tot Ion: 42 Resp: 122462

Ion Ratio Lower Upper

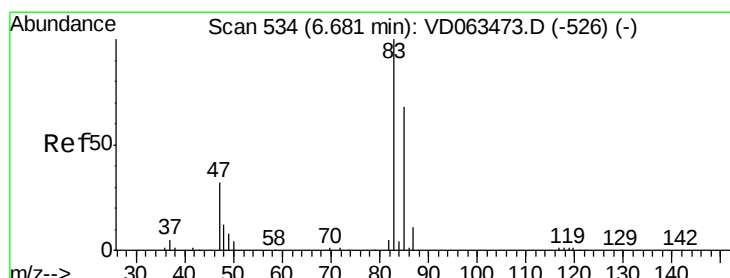
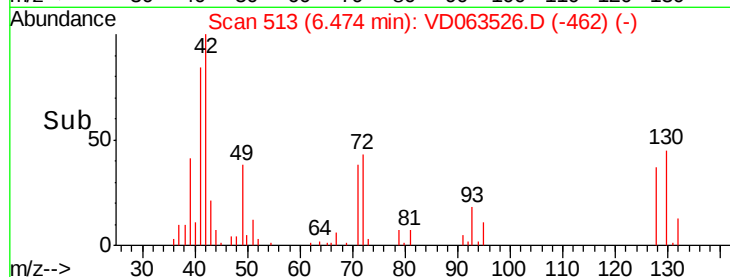
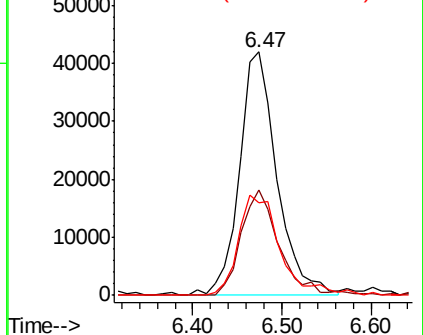
42 100

72 43.0 31.5 47.3

71 46.0 33.8 50.8



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



#30

Chloroform

Concen: 19.945 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063526.D

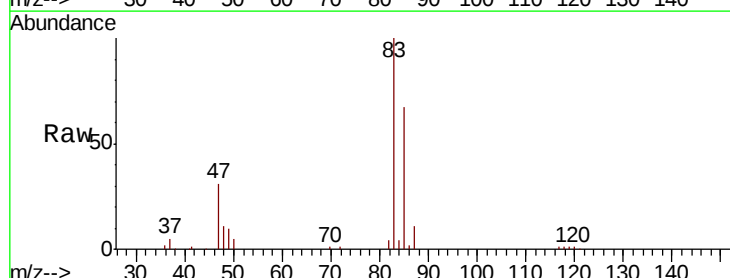
Acq: 13 Aug 2019 14:47

Tgt Ion: 83 Resp: 438651

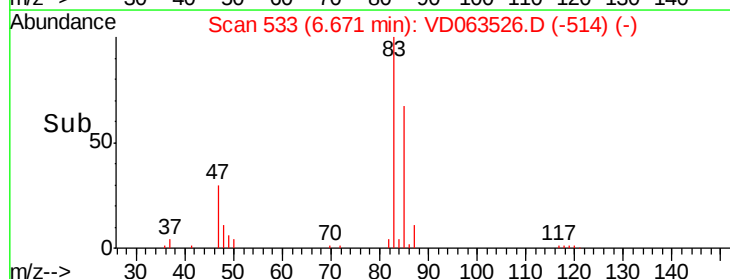
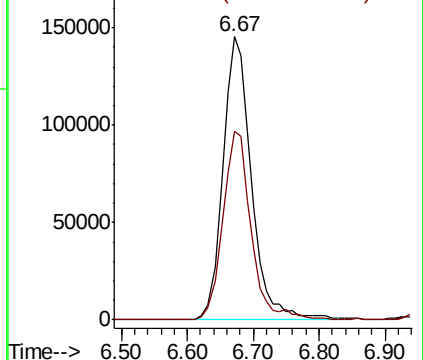
Ion Ratio Lower Upper

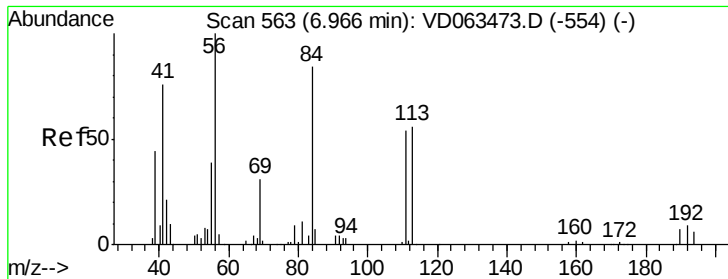
83 100

85 66.6 54.8 82.2



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

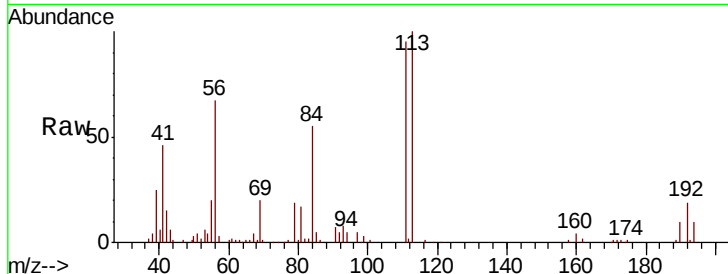




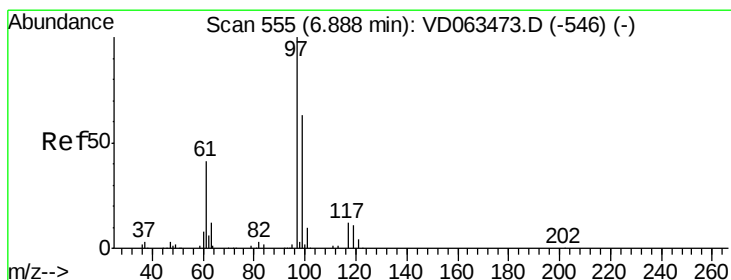
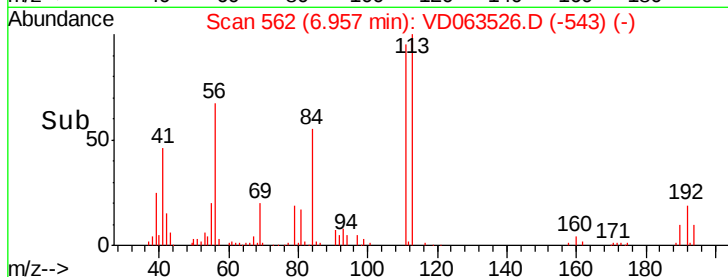
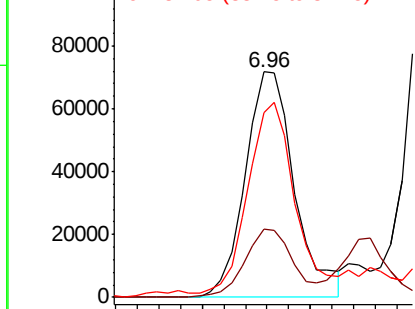
#31
Cyclohexane
Concen: 20.789 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 228361
Ion Ratio Lower Upper
56 100
69 30.1 25.0 37.6
84 82.2 69.7 104.5

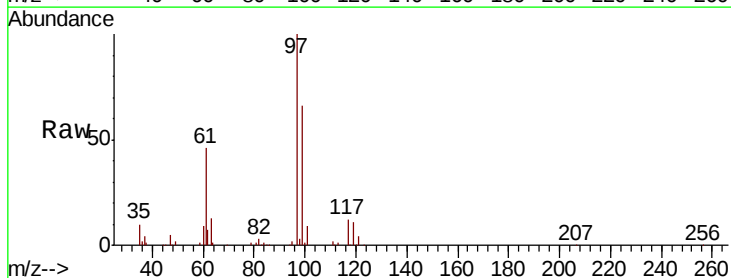


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

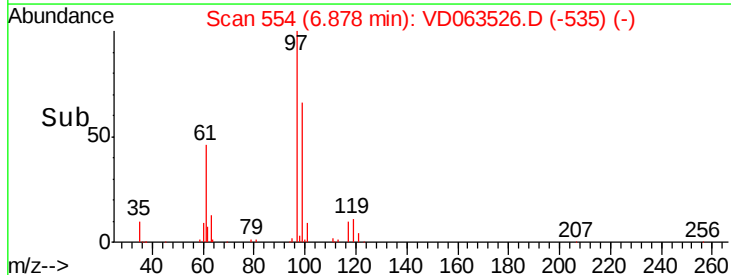
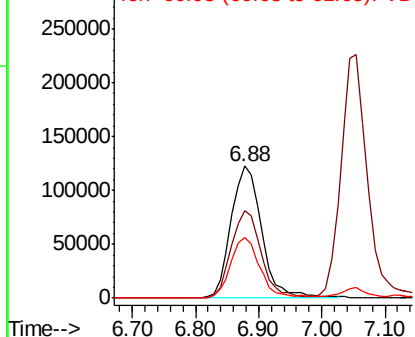


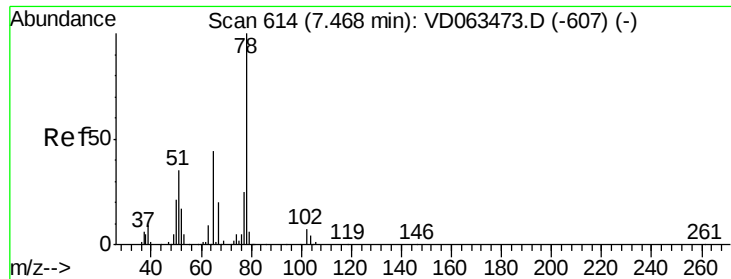
#32
1,1,1-Trichloroethane
Concen: 19.601 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 97 Resp: 412370
Ion Ratio Lower Upper
97 100
99 66.1 50.2 75.4
61 45.7 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 53.312 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

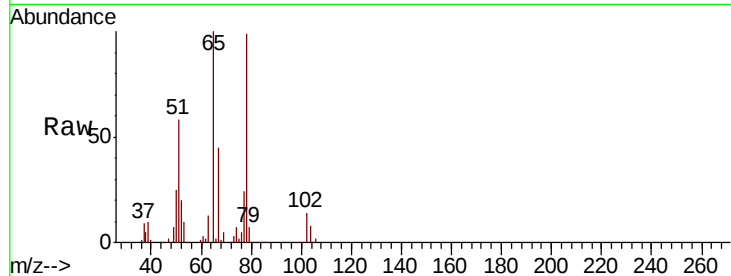
ClientSampled :

Tot Ion: 65 Resp: 648567

Ion Ratio Lower Upper

65 100

67 44.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

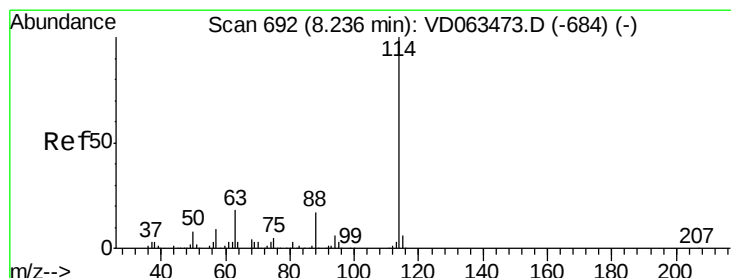
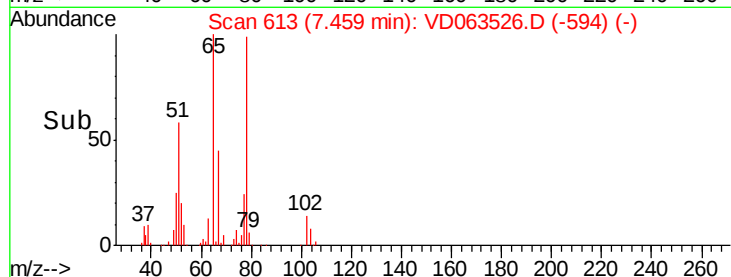
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

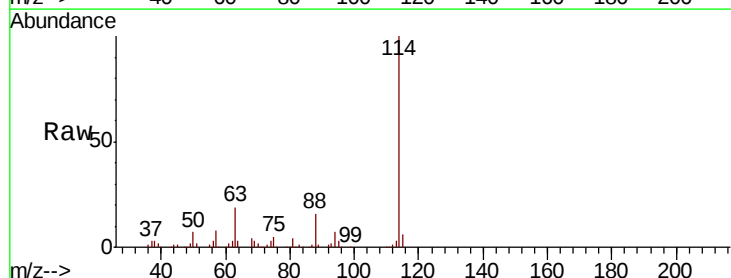
Tgt Ion: 114 Resp: 1627842

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

88 16.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

800000

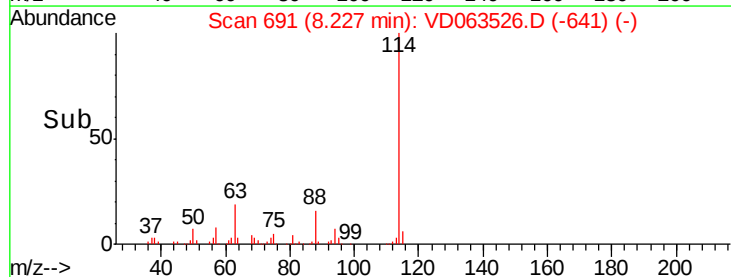
600000

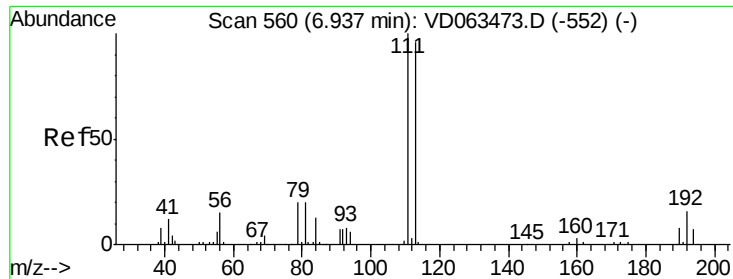
400000

200000

0

Time-->

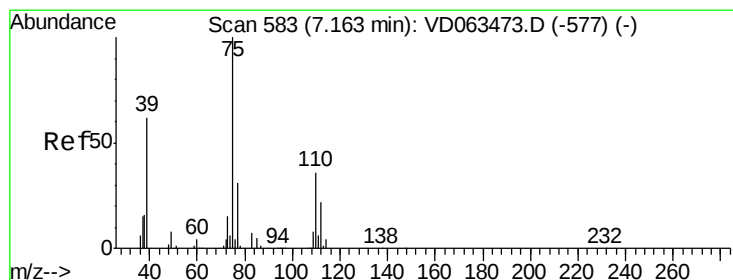
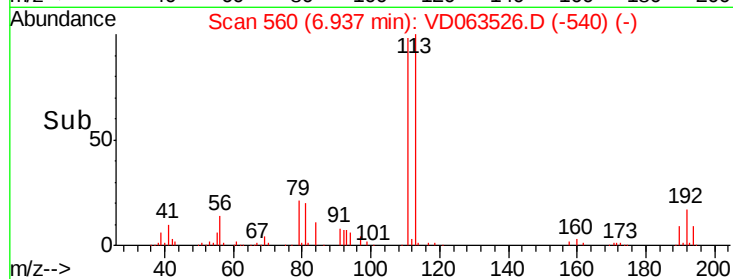
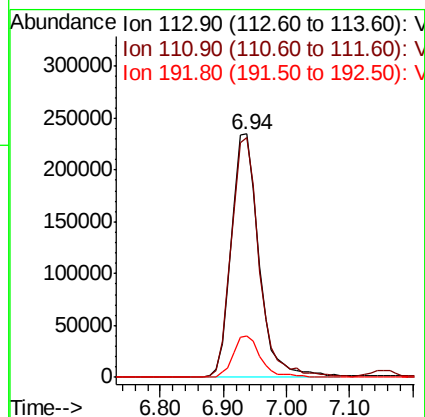
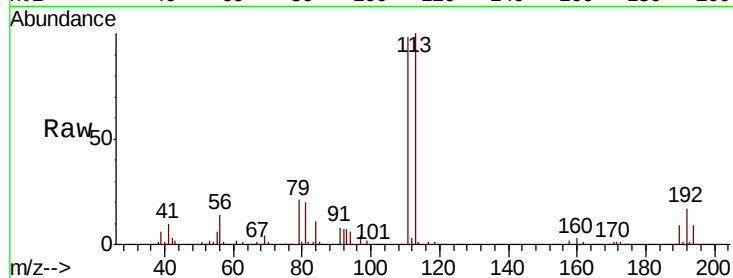




#35
 Dibromofluoromethane
 Concen: 51.803 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

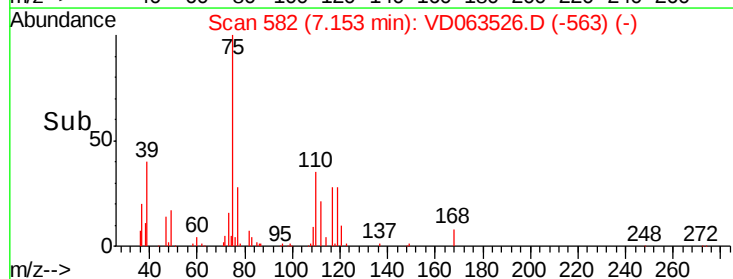
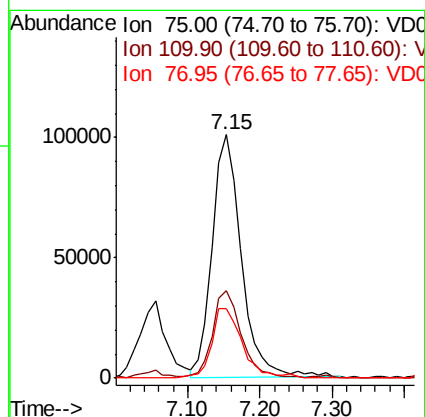
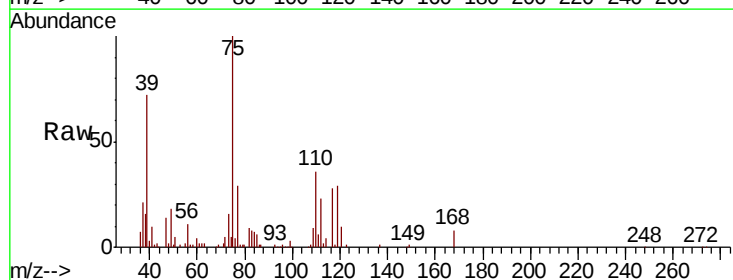
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 710214
 Ion Ratio Lower Upper
 113 100
 111 98.5 83.1 124.7
 192 16.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 19.594 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 75 Resp: 281971
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.6 52.8
 77 28.7 24.3 36.5

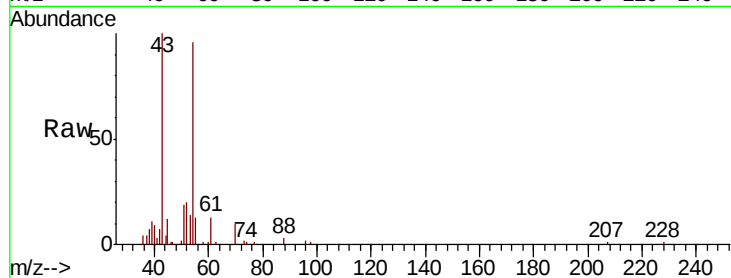




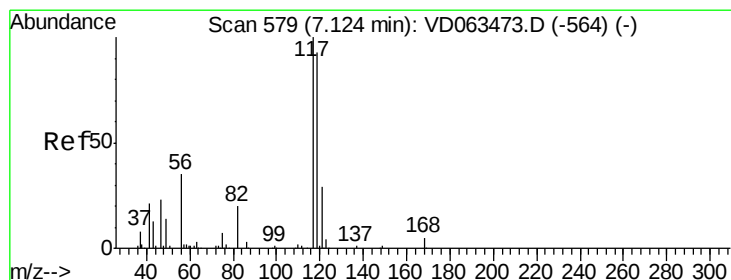
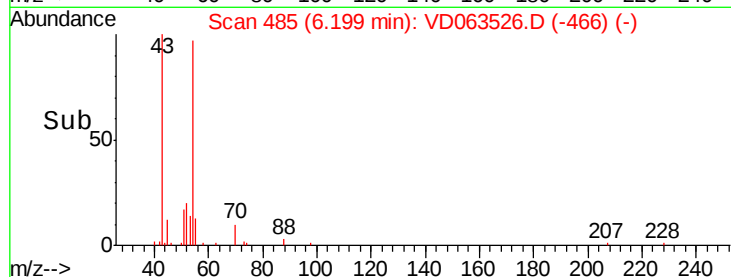
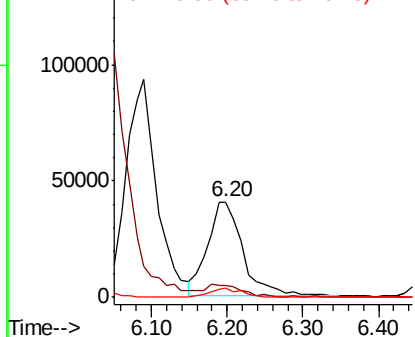
#37
Ethyl Acetate
Concen: 21.436 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 129262
Ion Ratio Lower Upper
43 100
61 12.7 9.0 13.6
70 9.6 6.9 10.3

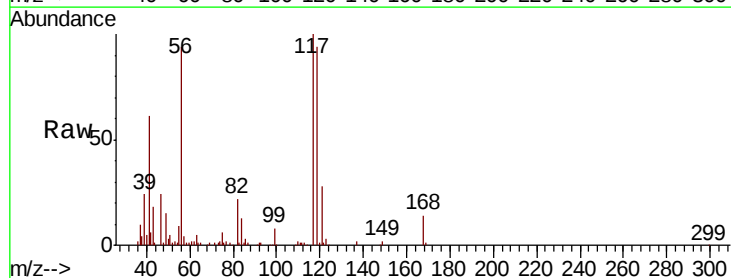


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

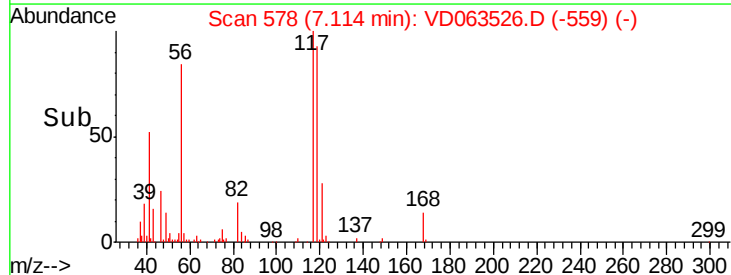
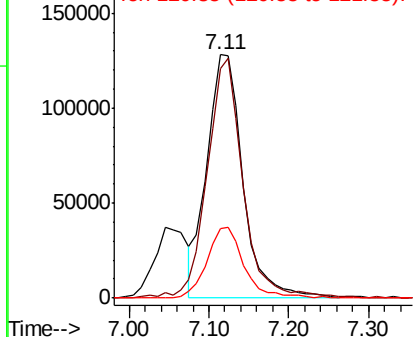


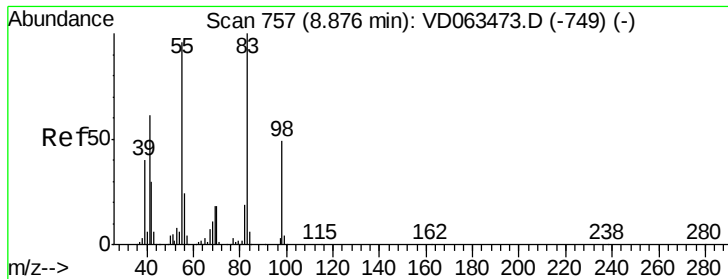
#38
Carbon Tetrachloride
Concen: 18.532 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 117 Resp: 401915
Ion Ratio Lower Upper
117 100
119 94.0 74.2 111.2
121 28.3 23.1 34.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 19.604 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

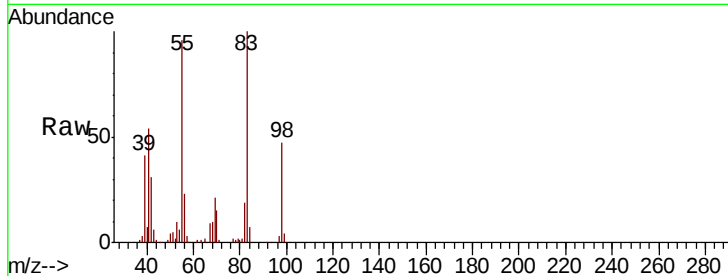
Tot Ion: 83 Resp: 239885

Ion Ratio Lower Upper

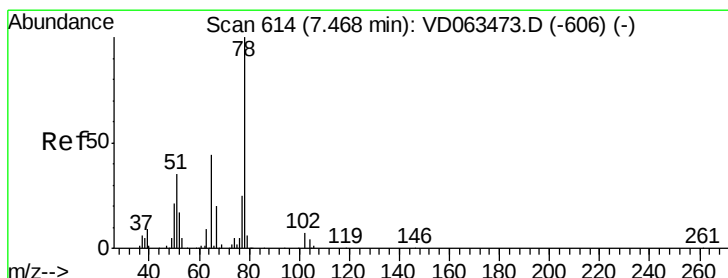
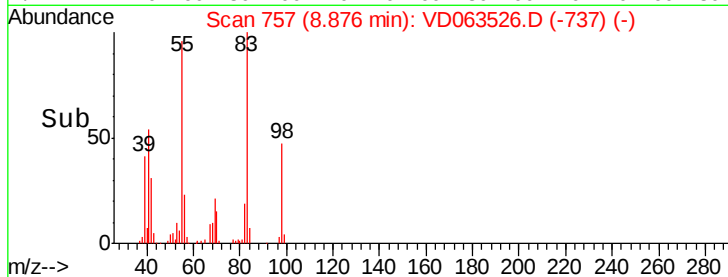
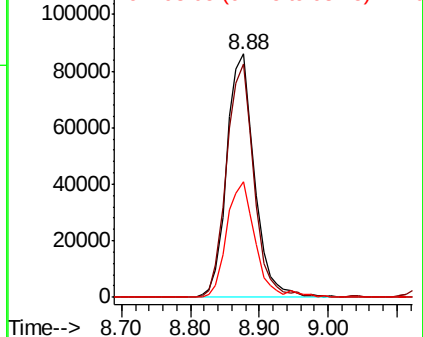
83 100

55 95.7 76.6 114.8

98 47.4 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: 20.377 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063526.D

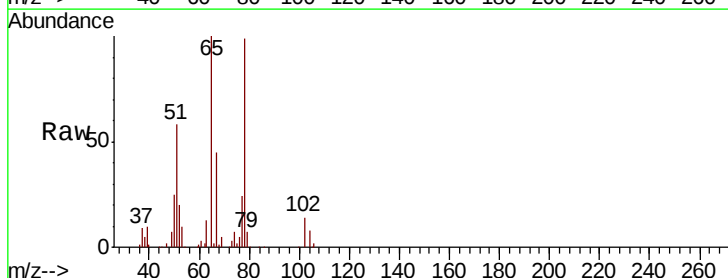
Acq: 13 Aug 2019 14:47

Tgt Ion: 78 Resp: 645307

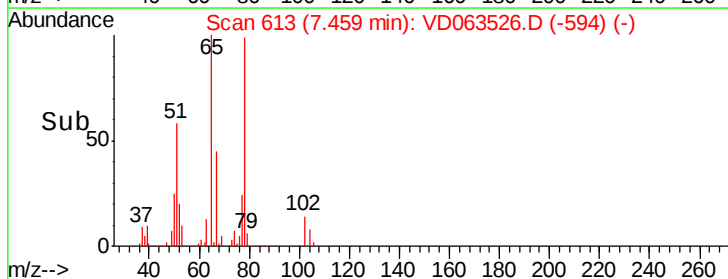
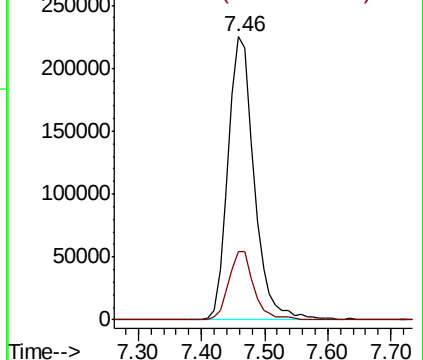
Ion Ratio Lower Upper

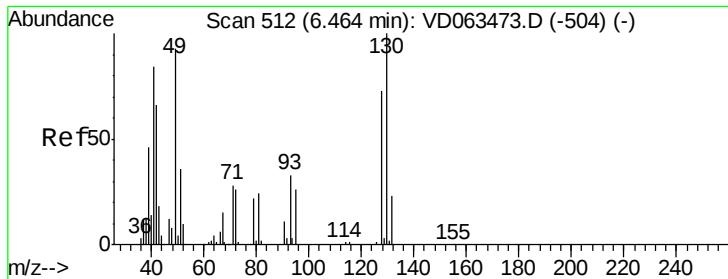
78 100

77 24.4 20.1 30.1



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





#41

Methacrylonitrile

Concen: 20.977 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 159269

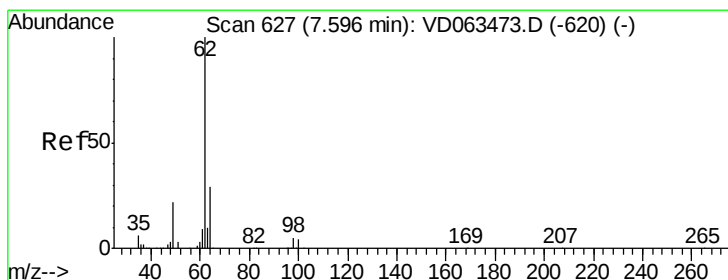
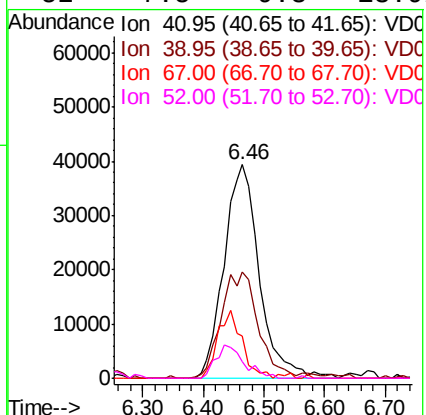
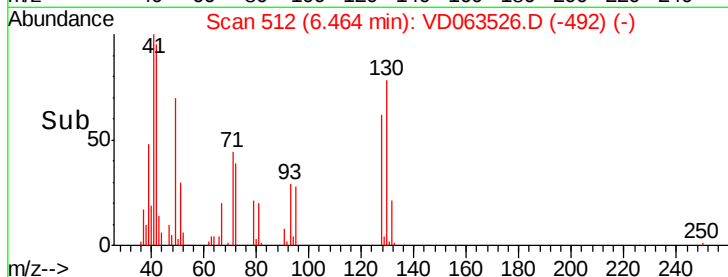
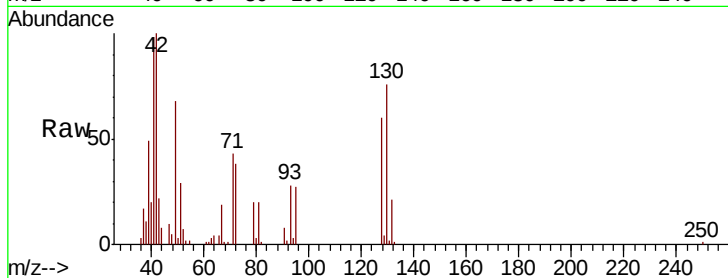
Ion	Ratio	Lower	Upper
41	100		
39	49.9	44.6	66.8
67	19.7	14.4	21.6
52	7.5	9.3	13.9

41 100

39 49.9 44.6 66.8

67 19.7 14.4 21.6

52 7.5 9.3 13.9



#42

1,2-Dichloroethane

Concen: 20.449 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063526.D

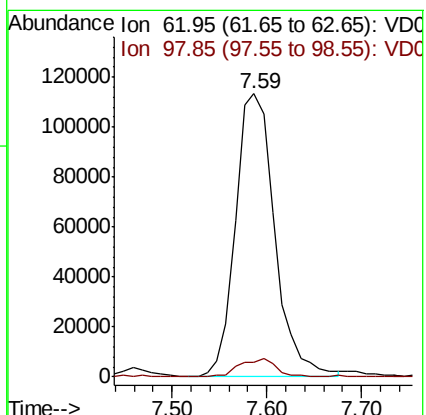
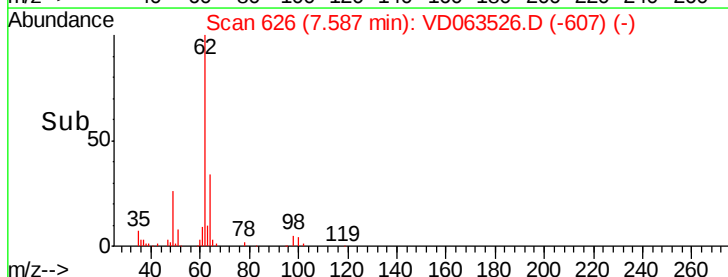
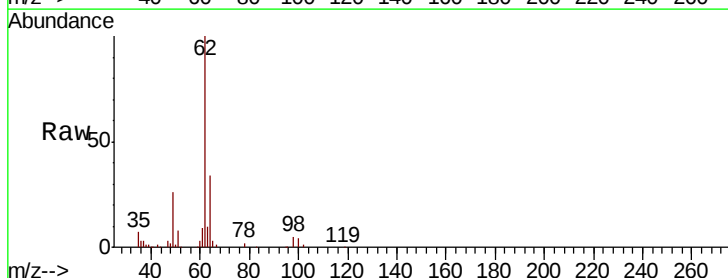
Acq: 13 Aug 2019 14:47

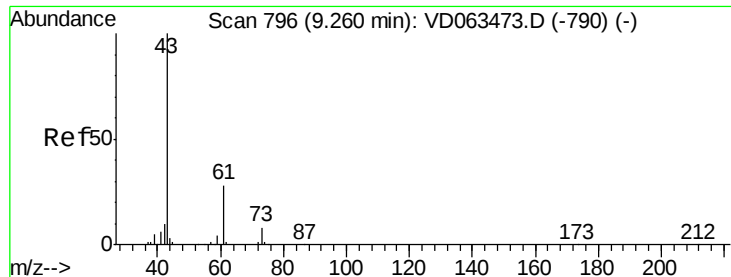
Tgt Ion: 62 Resp: 325630

Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	10.4

62 100

98 5.3 0.0 10.4





#43

Isopropyl Acetate

Concen: 21.785 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

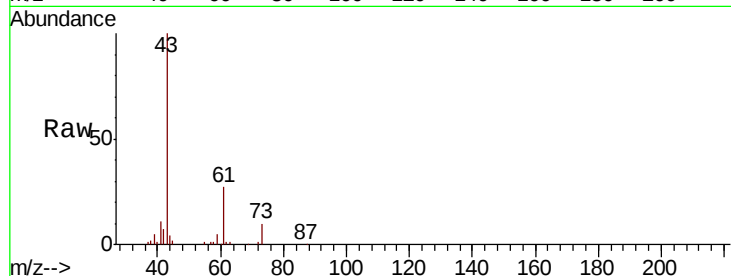
Tot Ion: 43 Resp: 175937

Ion Ratio Lower Upper

43 100

61 26.6 22.2 33.2

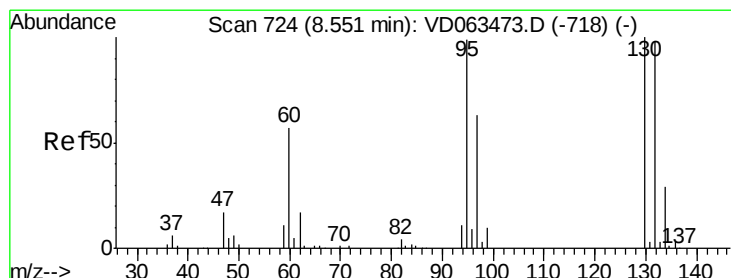
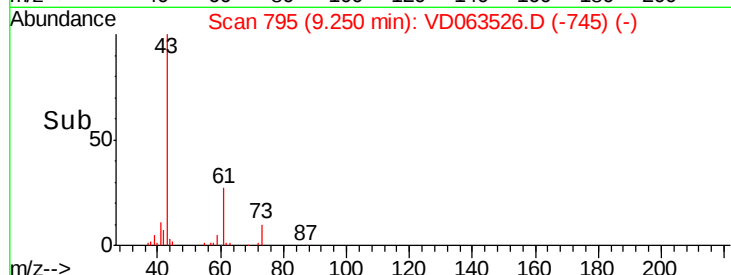
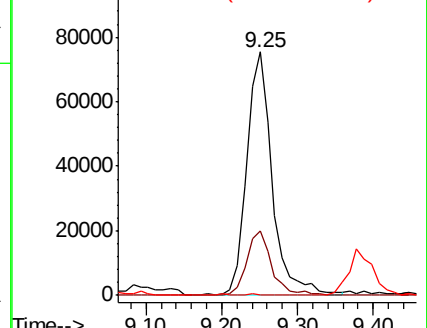
87 0.4 0.2 0.4#



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: 20.051 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD063526.D

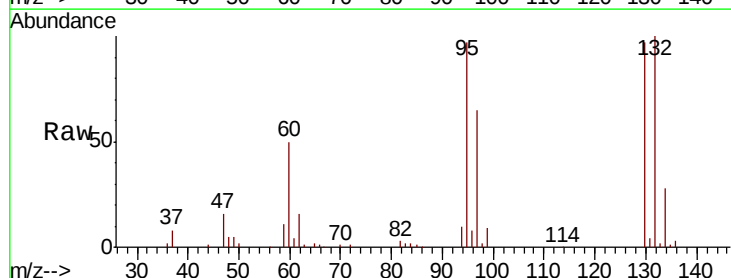
Acq: 13 Aug 2019 14:47

Tgt Ion:130 Resp: 242705

Ion Ratio Lower Upper

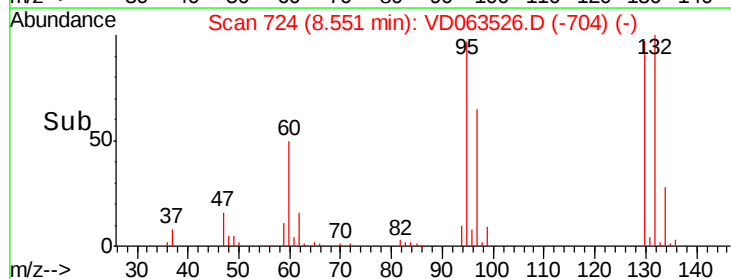
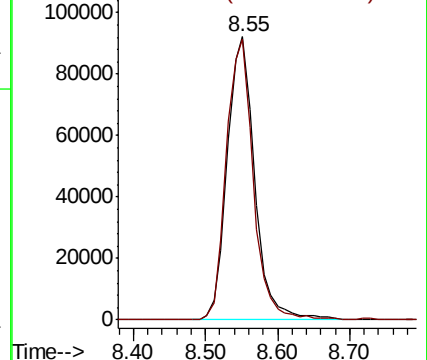
130 100

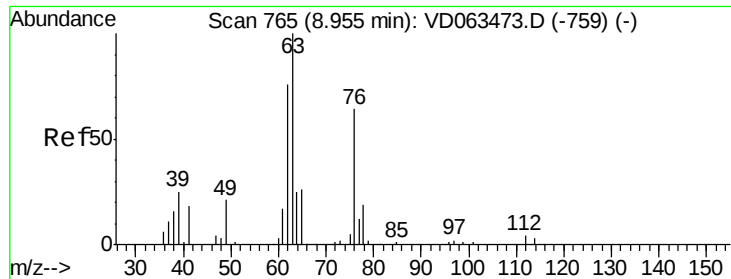
95 99.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.577 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

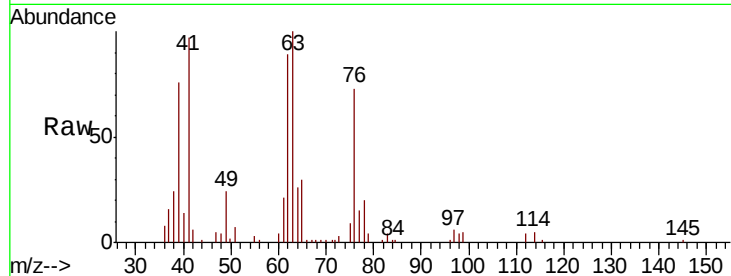
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 159126

Ion Ratio Lower Upper

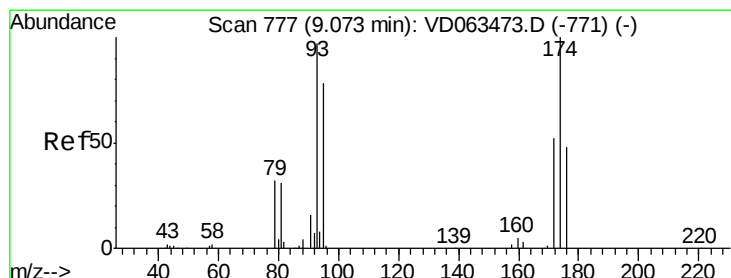
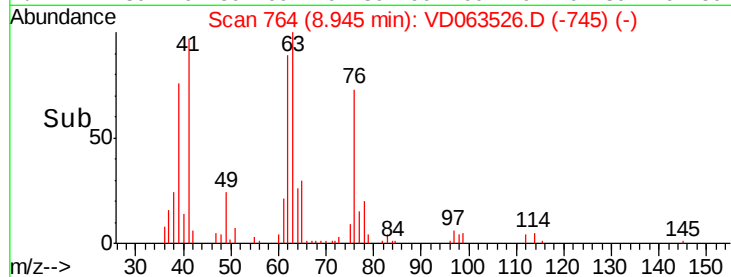
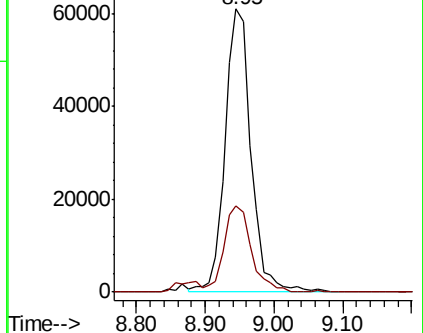
63 100

65 30.4 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.284 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

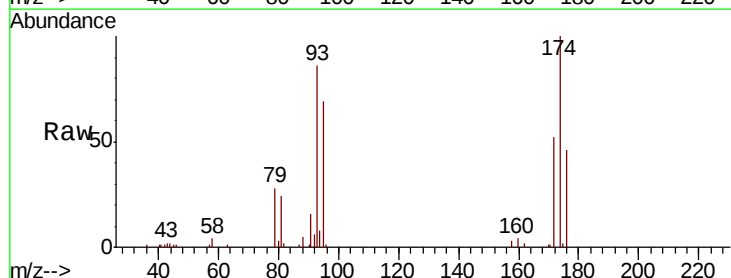
Tgt Ion: 93 Resp: 127747

Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.2

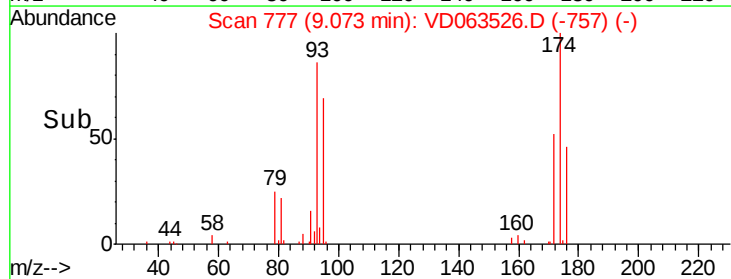
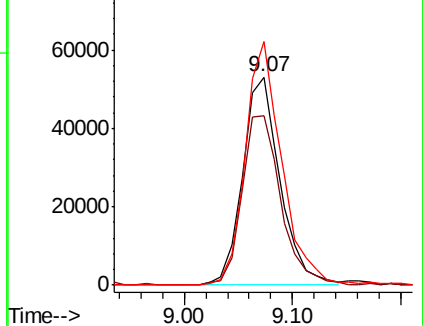
174 116.9 82.1 123.1

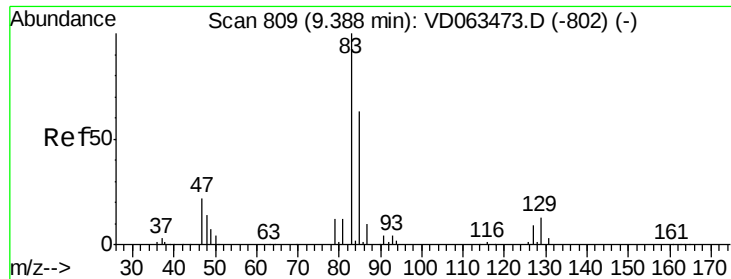


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.201 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

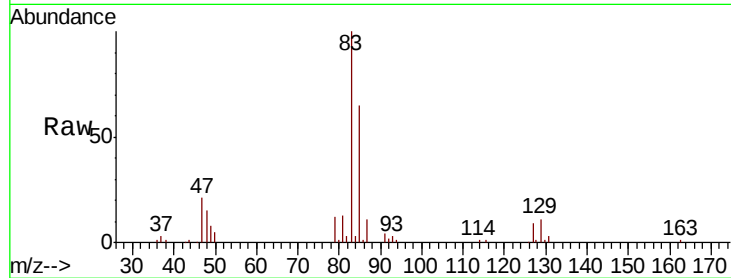
Tot Ion: 83 Resp: 326336

Ion Ratio Lower Upper

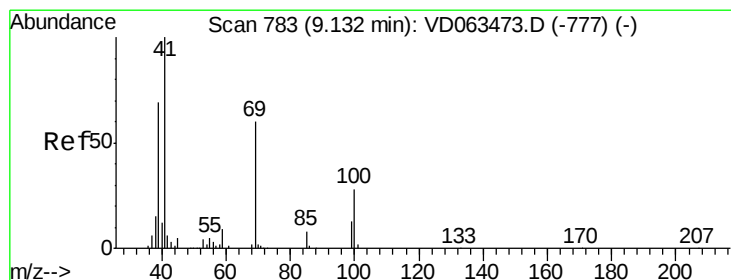
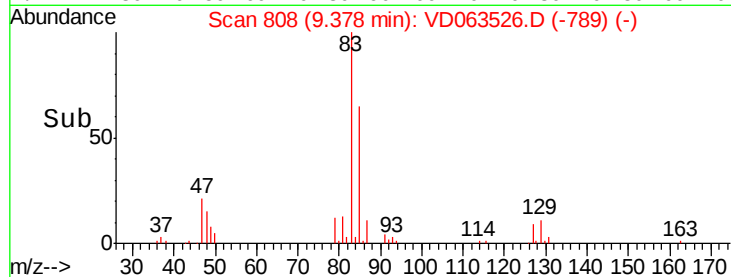
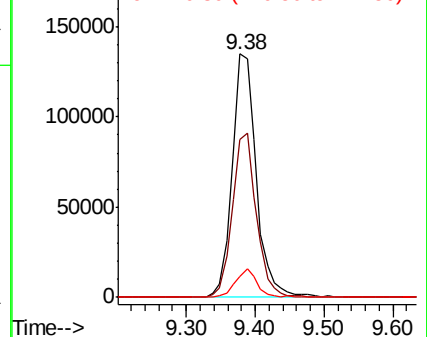
83 100

85 64.6 50.1 75.1

127 8.5 7.6 11.4



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: 20.094 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

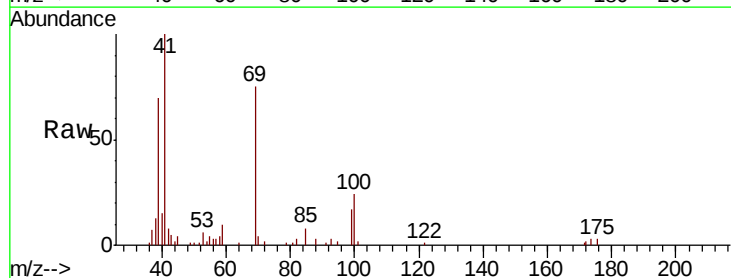
Tgt Ion: 41 Resp: 110059

Ion Ratio Lower Upper

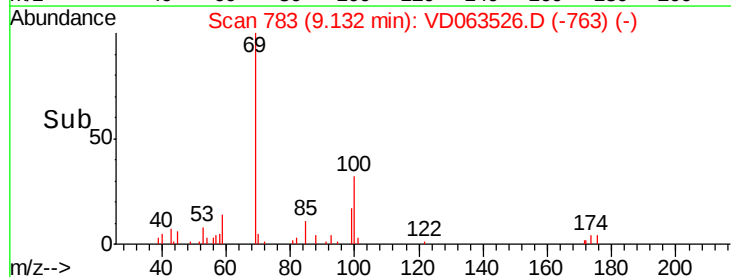
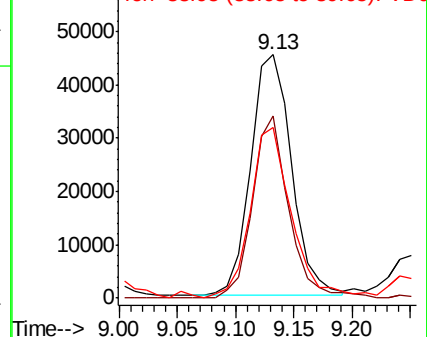
41 100

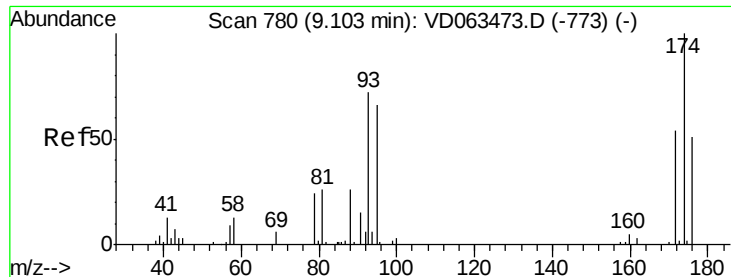
69 74.6 47.6 71.4#

39 70.3 55.7 83.5



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

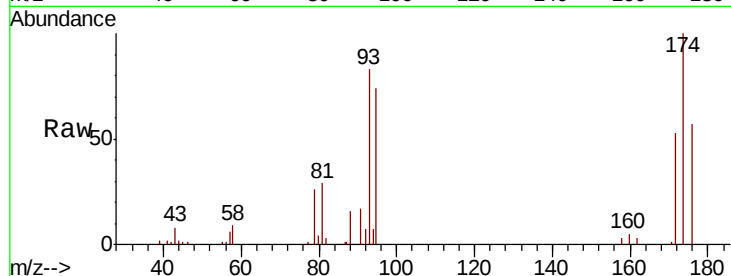




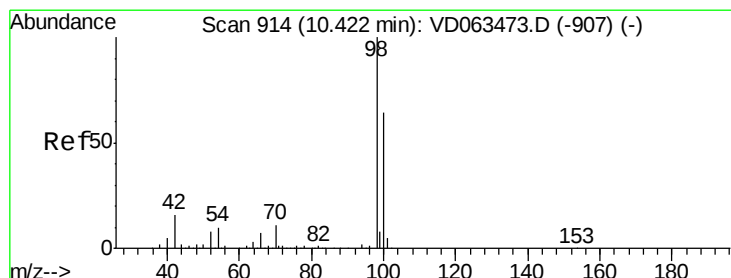
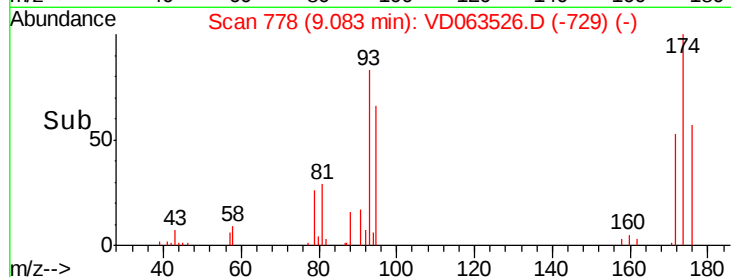
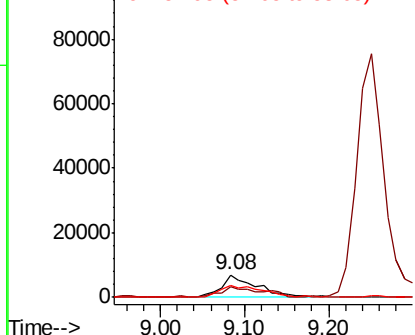
#49
 1,4-Dioxane
 Concen: 434.469 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 20548
 Ion Ratio Lower Upper
 88 100
 43 49.5 22.9 34.3#
 58 52.6 40.1 60.1

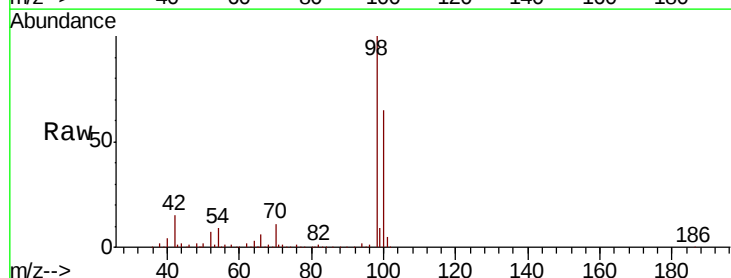


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

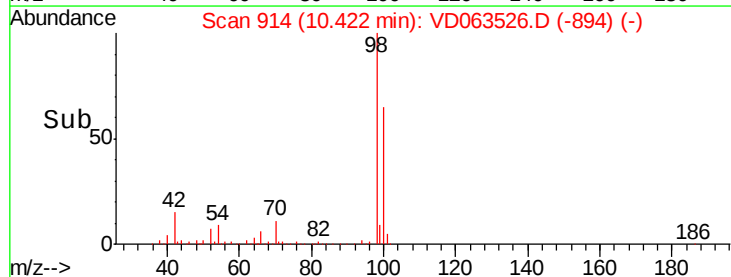
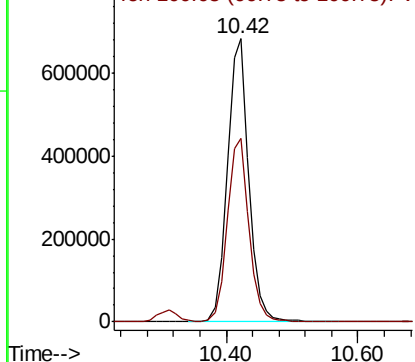


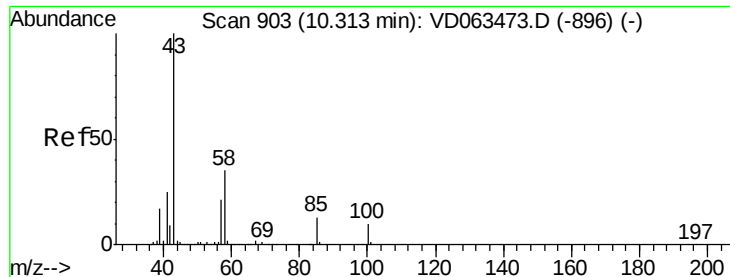
#50
 Toluene-d8
 Concen: 51.348 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 98 Resp: 1547704
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.7 77.5



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

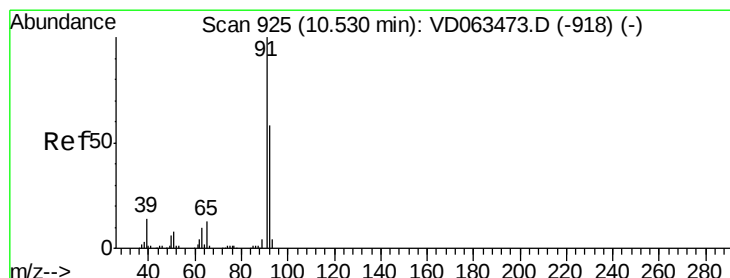
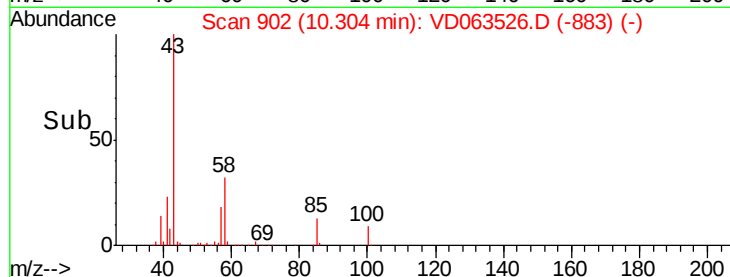
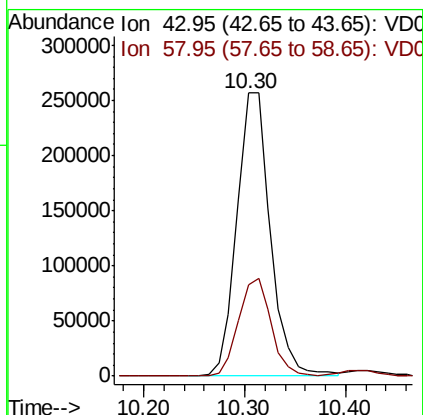
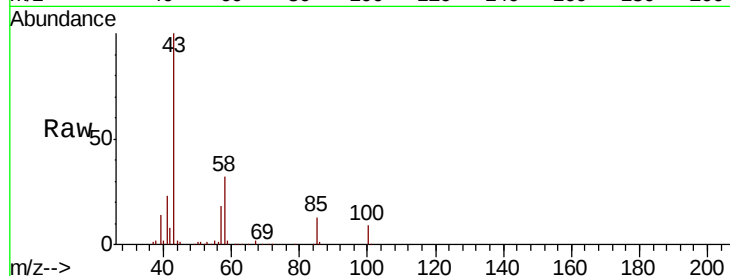




#51
 4-Methyl-2-Pentanone
 Concen: 107.667 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

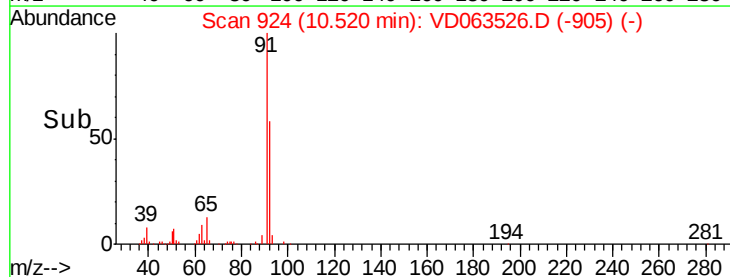
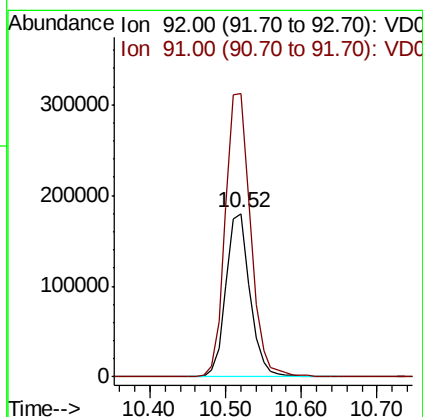
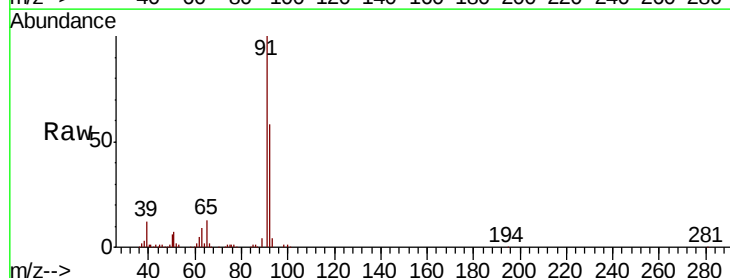
Instrument :
 MSVOA_D
 ClientSampled :

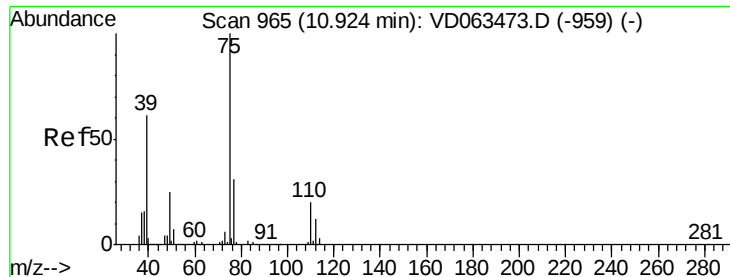
Tot Ion: 43 Resp: 595000
 Ion Ratio Lower Upper
 43 100
 58 32.2 28.0 42.0



#52
 Toluene
 Concen: 19.372 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 92 Resp: 395145
 Ion Ratio Lower Upper
 92 100
 91 173.5 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.337 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

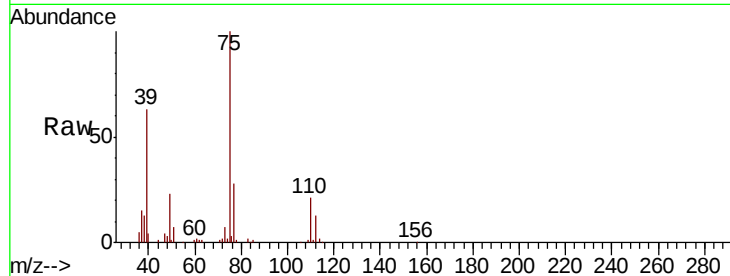
ClientSampled :

Tot Ion: 75 Resp: 281311

Ion Ratio Lower Upper

75 100

77 27.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

150000

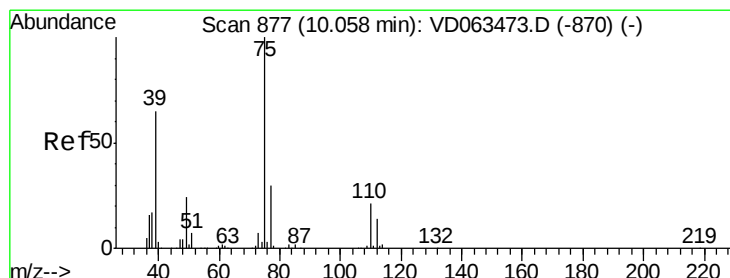
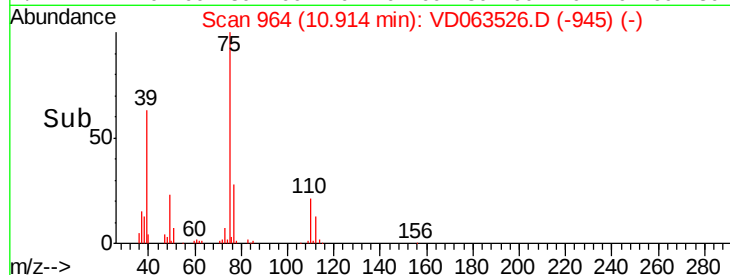
100000

50000

0

Time-->

10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 21.114 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

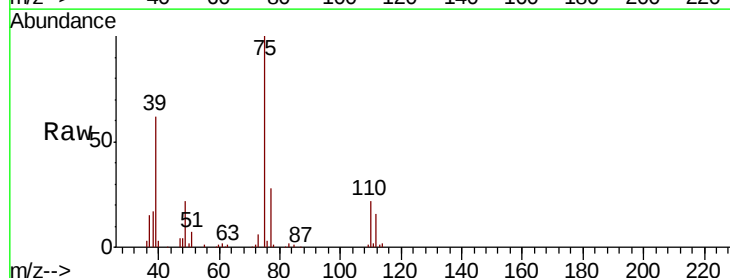
Tgt Ion: 75 Resp: 313885

Ion Ratio Lower Upper

75 100

77 28.2 23.7 35.5

39 61.8 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

150000

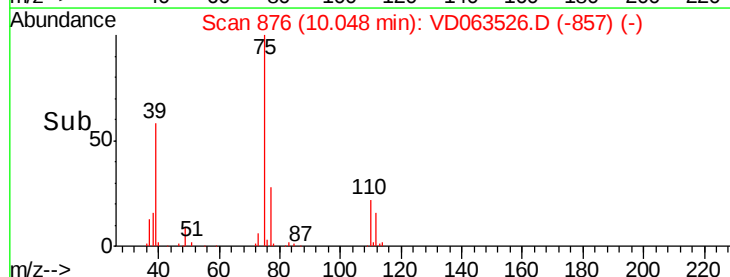
100000

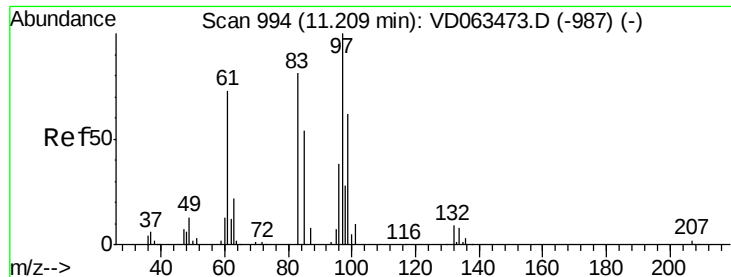
50000

0

Time-->

9.90 10.00 10.10 10.20

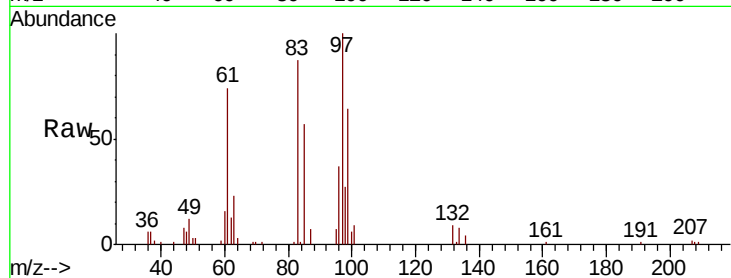




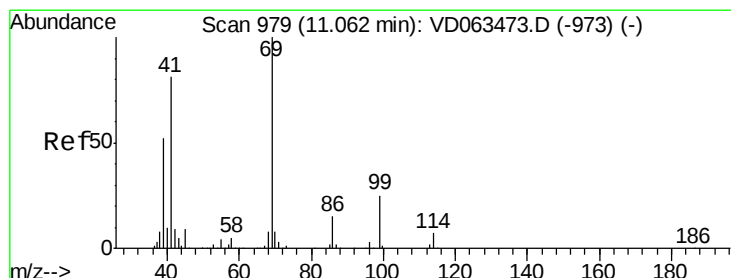
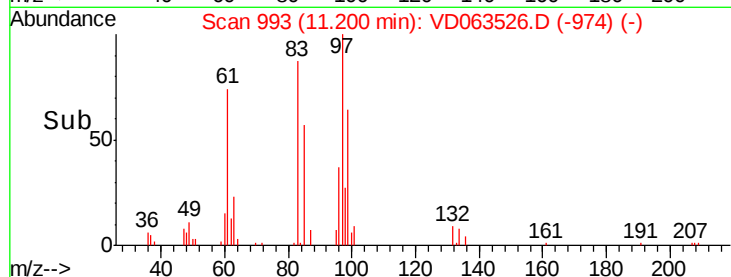
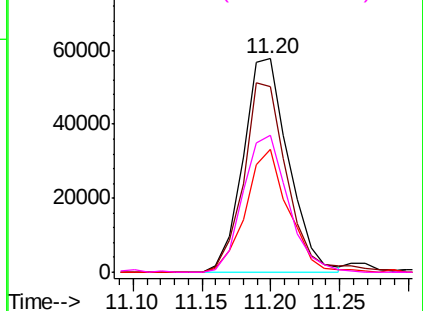
#55
 1,1,2-Trichloroethane
 Concen: 19.183 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	132176
Ion	Ratio	Lower	Upper
97	100		
83	87.1	64.7	97.1
85	57.3	42.9	64.3
99	63.8	49.7	74.5

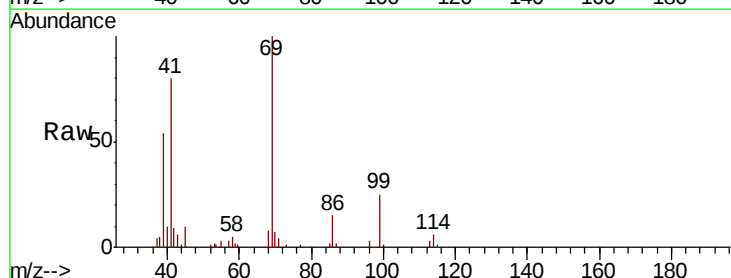


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

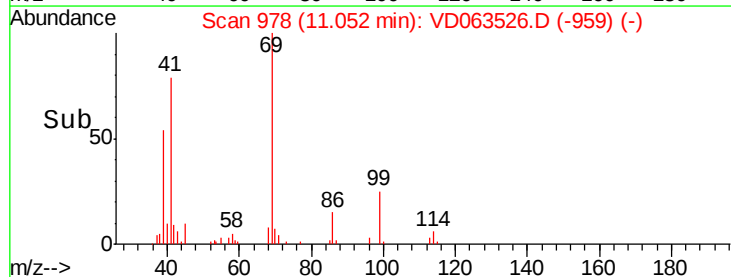
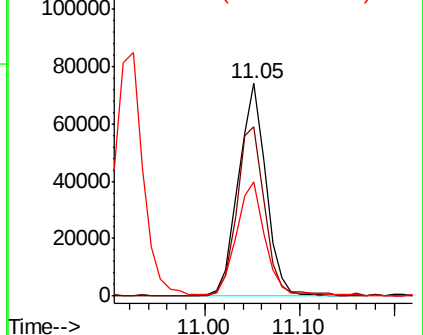


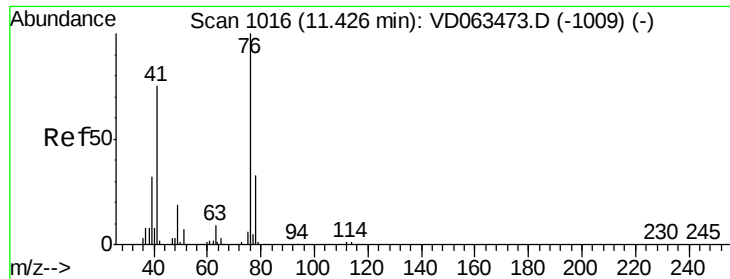
#56
 Ethyl methacrylate
 Concen: 19.885 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion:	69	Resp:	148713
Ion	Ratio	Lower	Upper
69	100		
41	80.0	64.8	97.2
39	53.9	42.4	63.6



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: 20.483 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

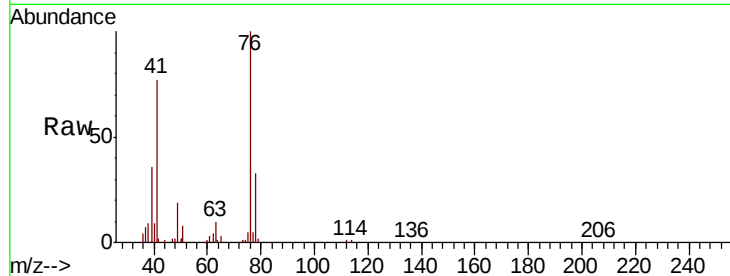
ClientSampled :

Tot Ion: 76 Resp: 213334

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

100000

80000

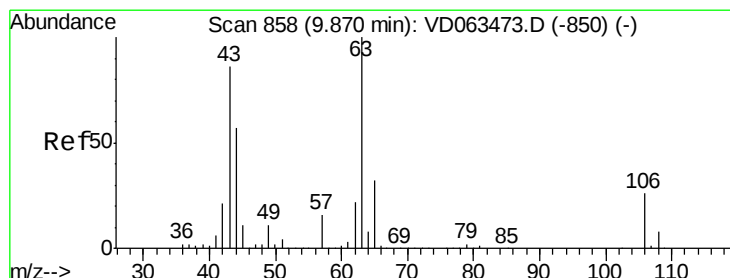
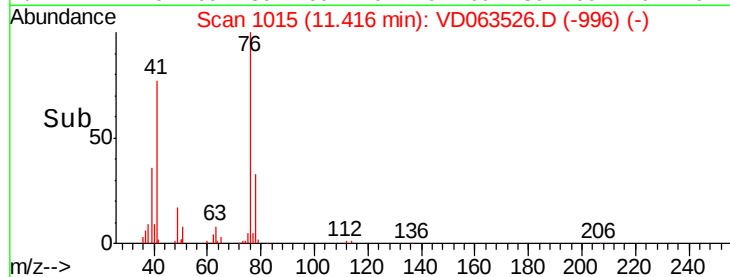
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 108.823 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD063526.D

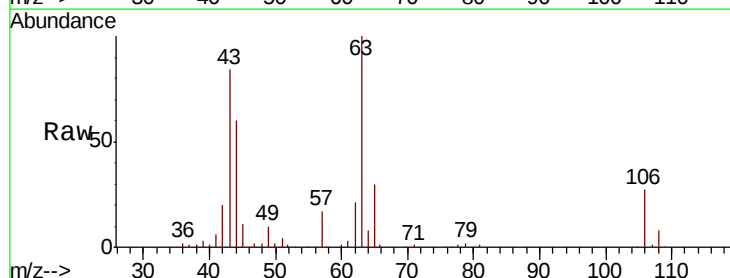
Acq: 13 Aug 2019 14:47

Tgt Ion: 63 Resp: 429651

Ion Ratio Lower Upper

63 100

106 26.7 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

200000

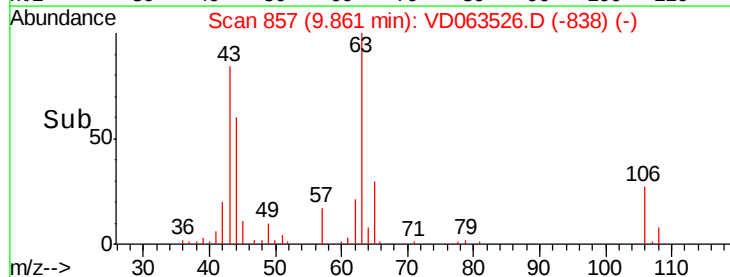
150000

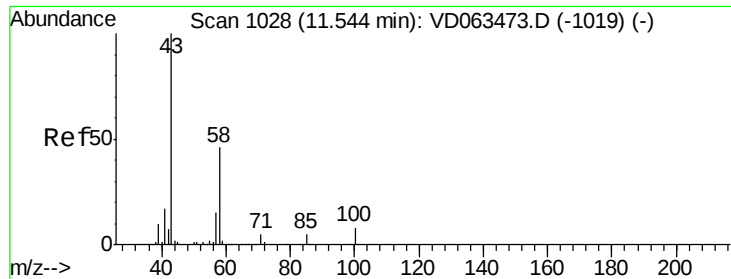
100000

50000

0

Time--> 9.70 9.80 9.90 10.00

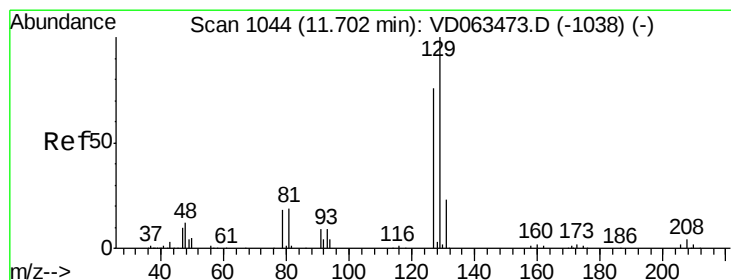
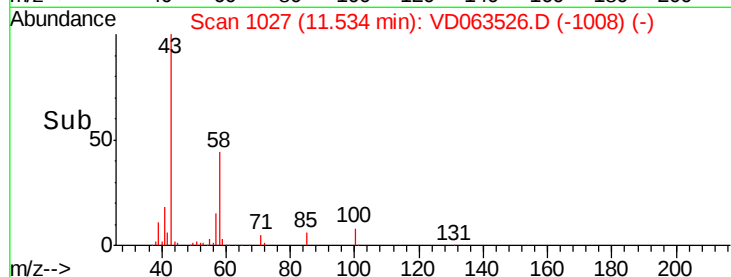
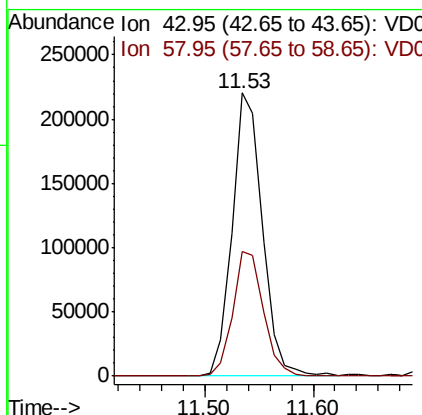
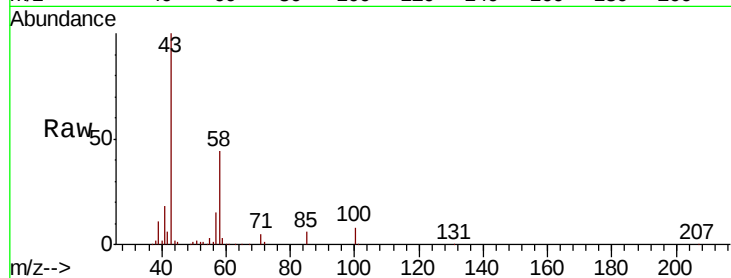




#59
2-Hexanone
Concen: 106.161 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

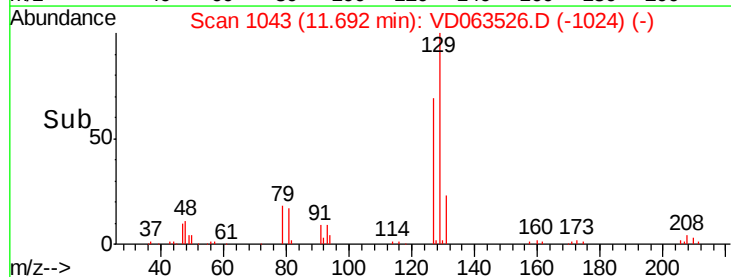
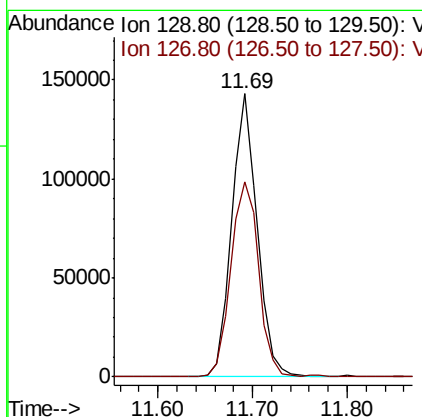
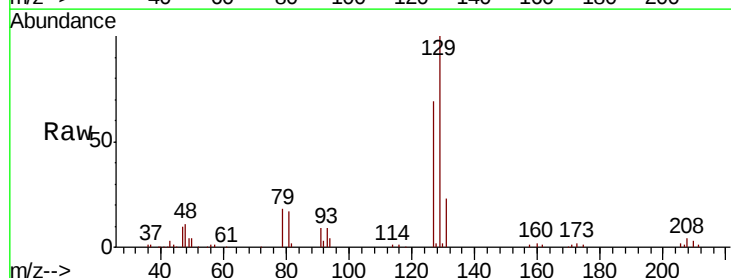
Instrument :
MSVOA_D
ClientSampleId :

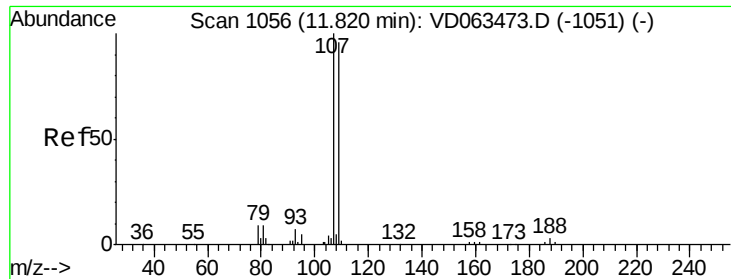
Tot Ion: 43 Resp: 426884
Ion Ratio Lower Upper
43 100
58 44.1 23.1 69.2



#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 129 Resp: 266264
Ion Ratio Lower Upper
129 100
127 69.1 37.8 113.4

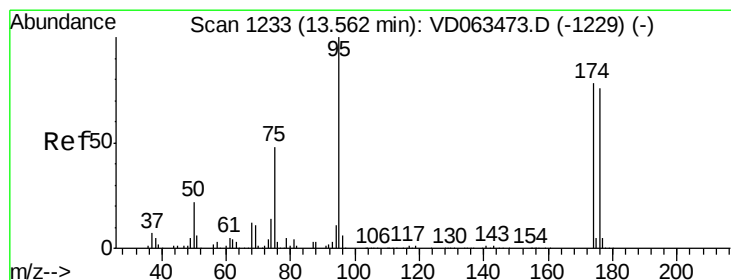
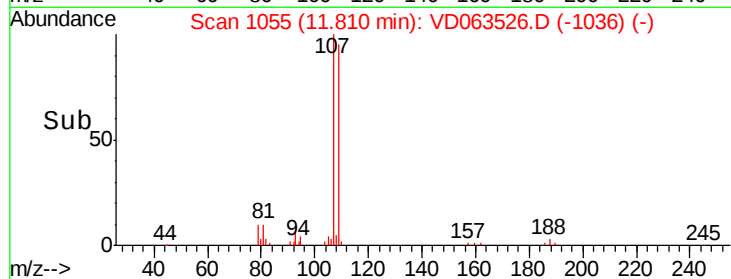
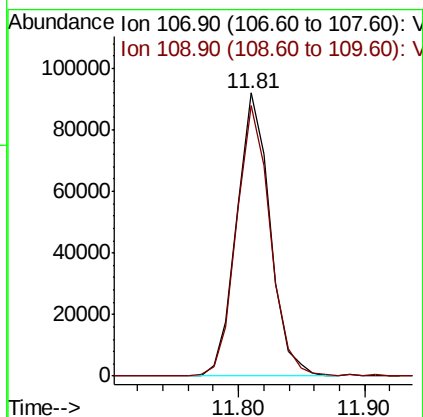
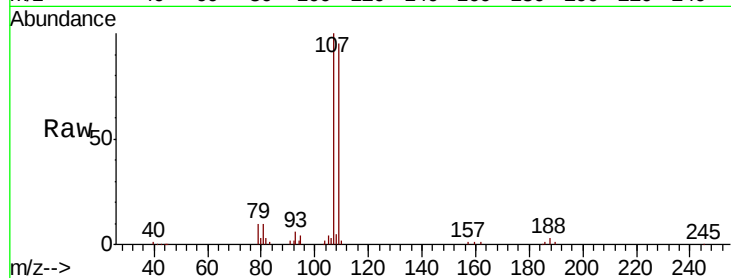




#61
 1,2-Dibromoethane
 Concen: 20.183 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

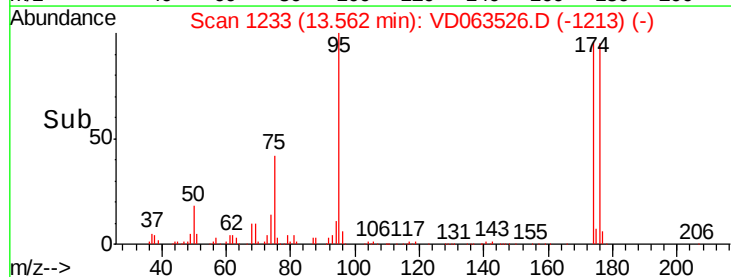
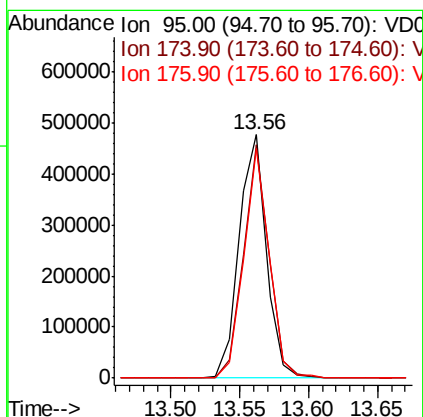
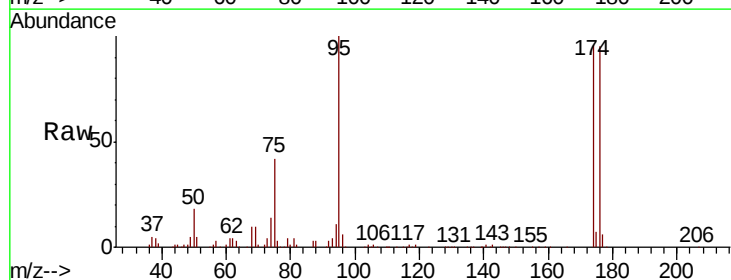
Instrument :
 MSVOA_D
 ClientSampled :

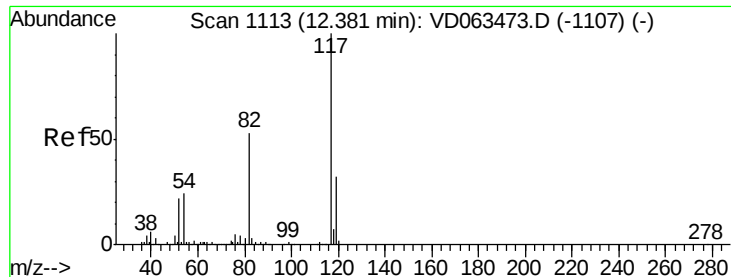
Tot Ion:107 Resp: 168345
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.278 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 95 Resp: 659550
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 155.4
 176 94.5 0.0 152.4

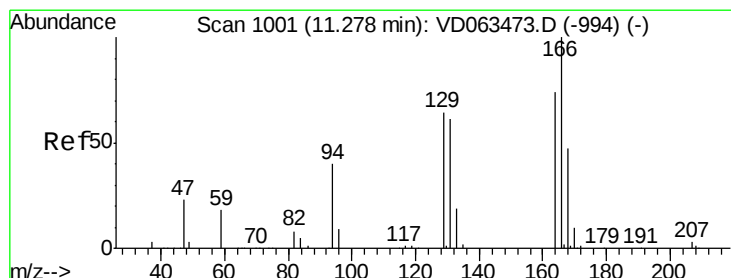
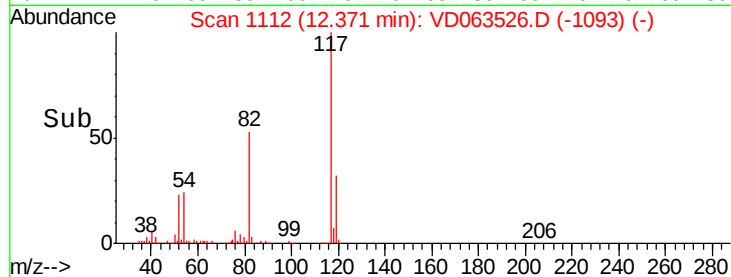
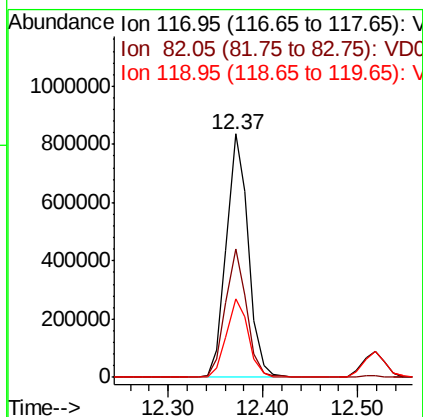
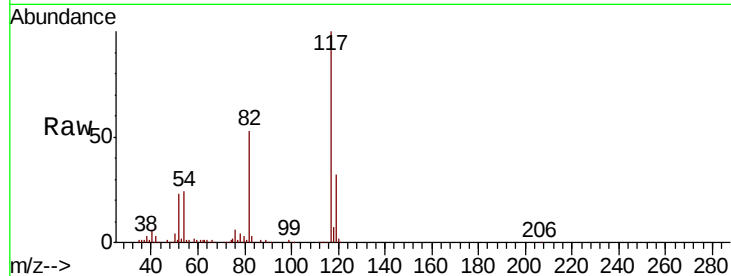




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

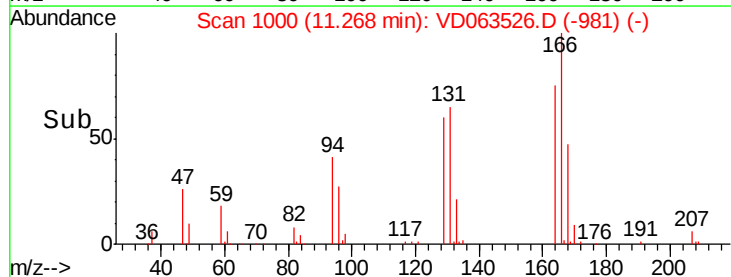
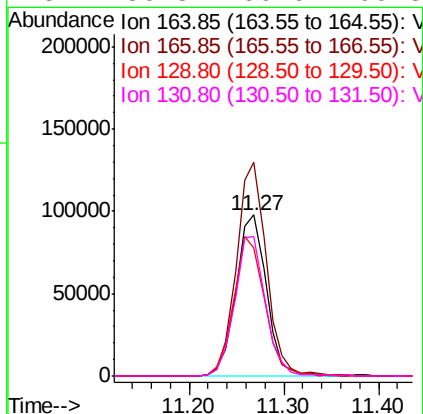
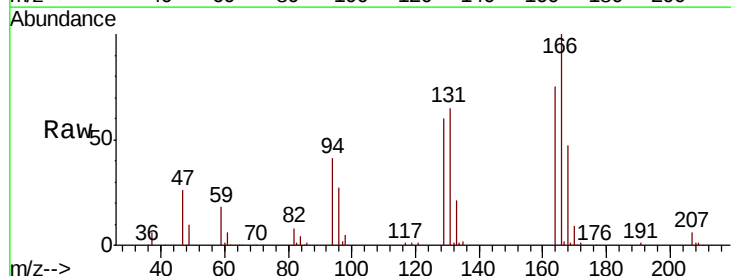
Instrument :
MSVOA_D
ClientSampled :

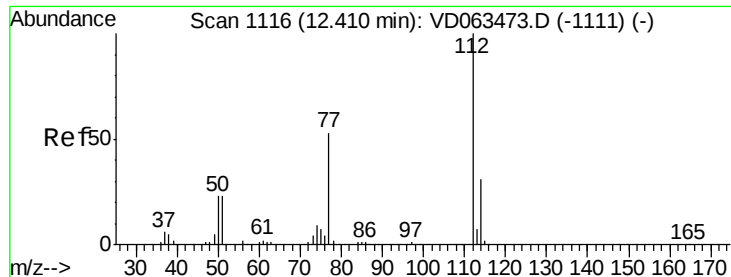
Tot Ion:117 Resp: 1343379
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 20.903 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion:164 Resp: 216773
Ion Ratio Lower Upper
164 100
166 132.6 108.6 163.0
129 79.6 69.0 103.6
131 86.8 66.6 99.8

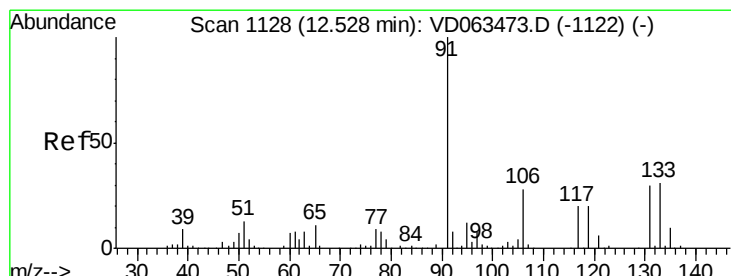
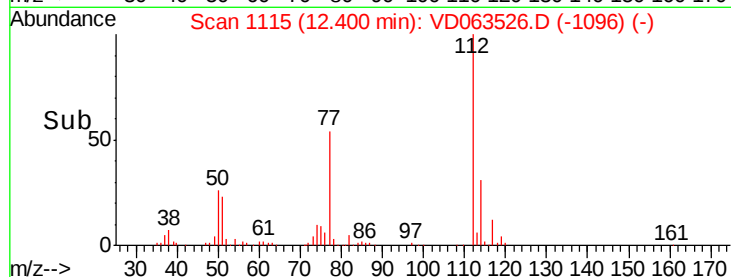
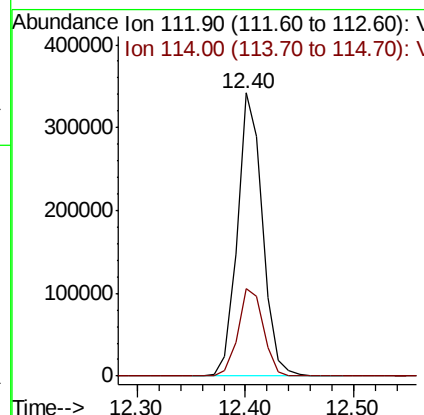
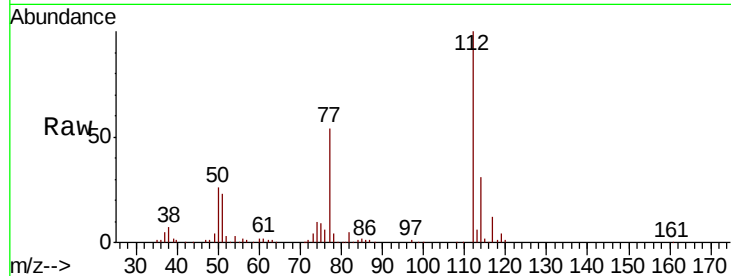




#65
Chlorobenzene
Concen: 21.847 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

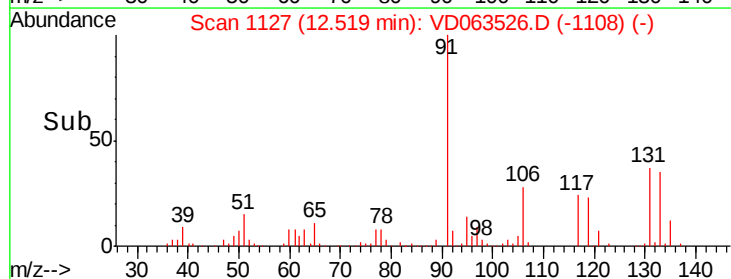
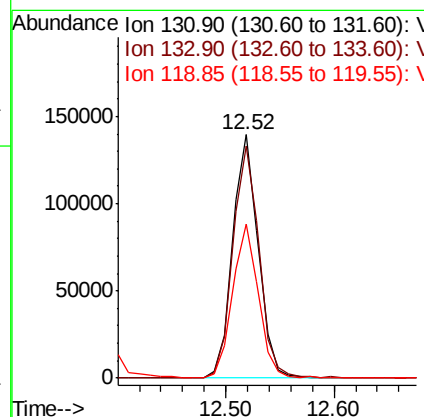
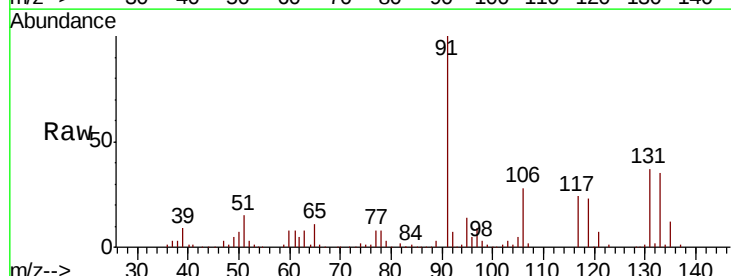
Instrument :
MSVOA_D
ClientSampleId :

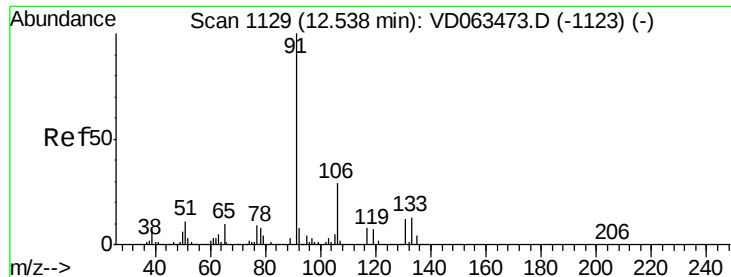
Tot Ion:112 Resp: 550055
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.653 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion:131 Resp: 228851
Ion Ratio Lower Upper
131 100
133 95.5 51.1 153.3
119 63.2 33.1 99.3





#67

Ethyl Benzene

Concen: 20.510 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

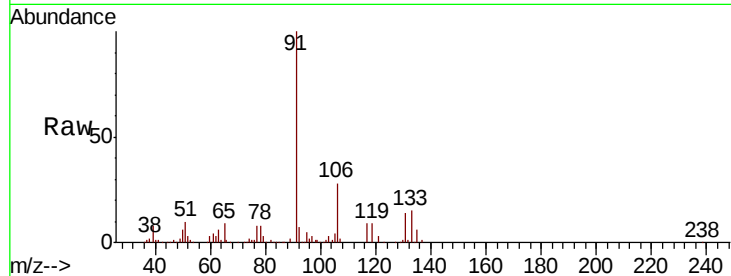
ClientSampled :

Tot Ion: 91 Resp: 897922

Ion Ratio Lower Upper

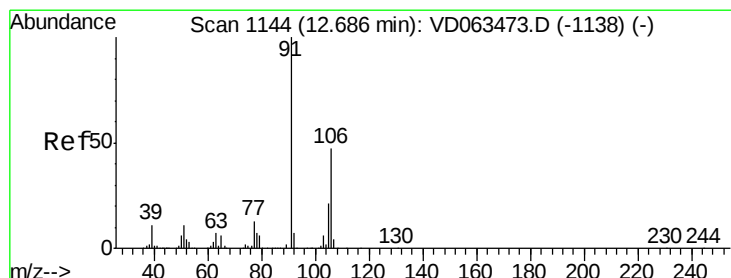
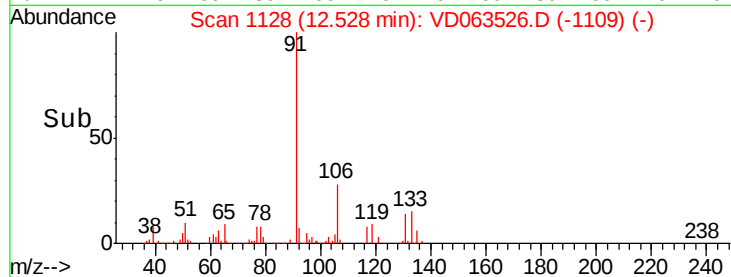
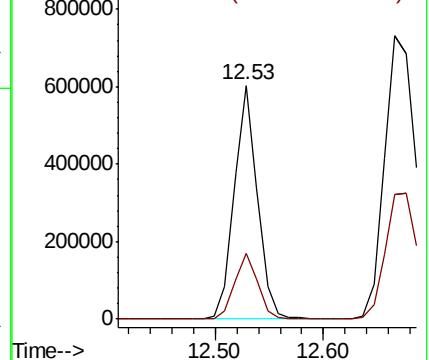
91 100

106 28.1 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 42.748 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VD063526.D

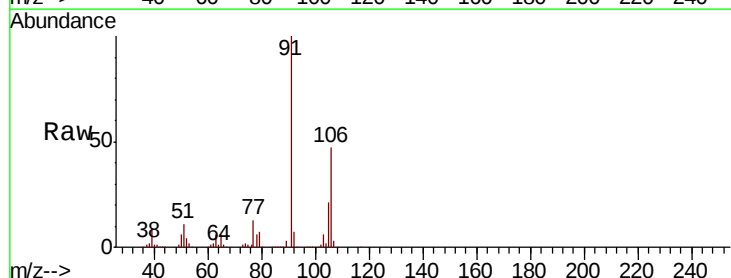
Acq: 13 Aug 2019 14:47

Tgt Ion: 106 Resp: 657502

Ion Ratio Lower Upper

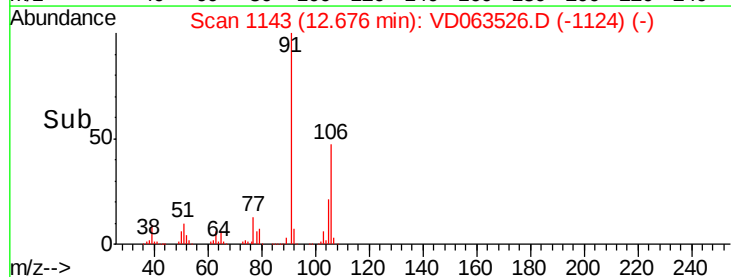
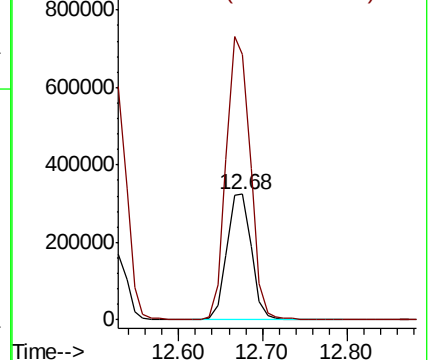
106 100

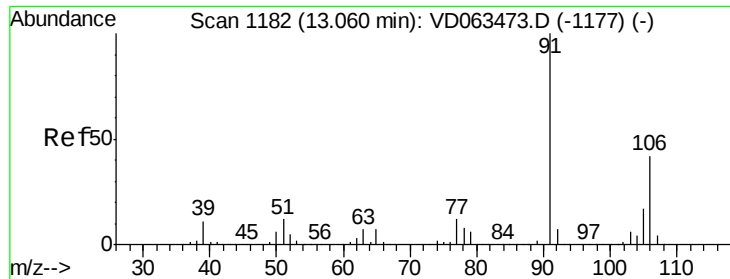
91 212.0 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

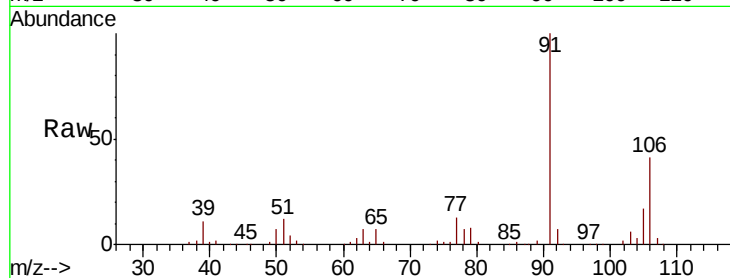




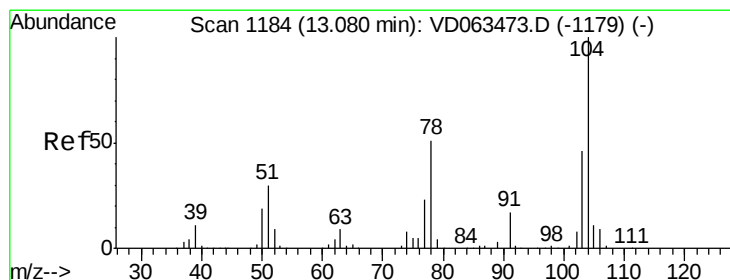
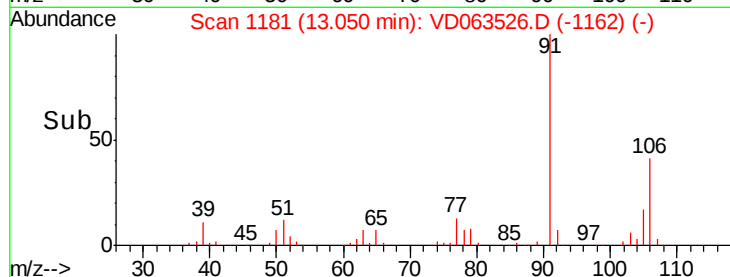
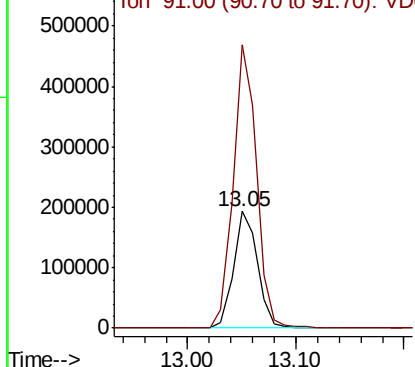
#69
o-Xylene
Concen: 20.081 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 297262
Ion Ratio Lower Upper
106 100
91 243.2 118.1 354.2

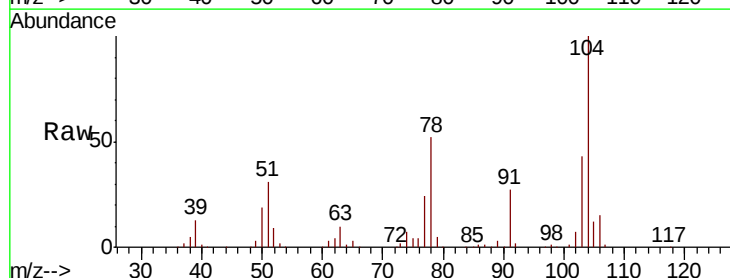


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

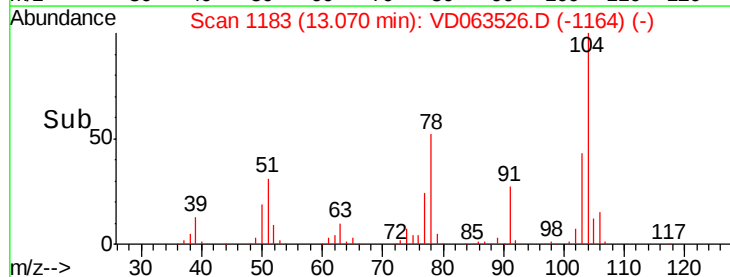
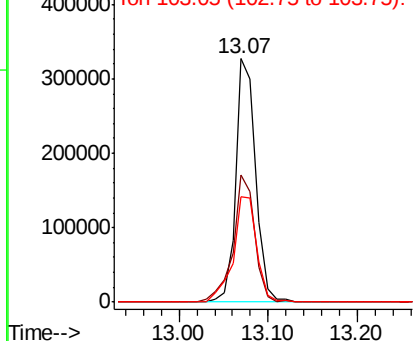


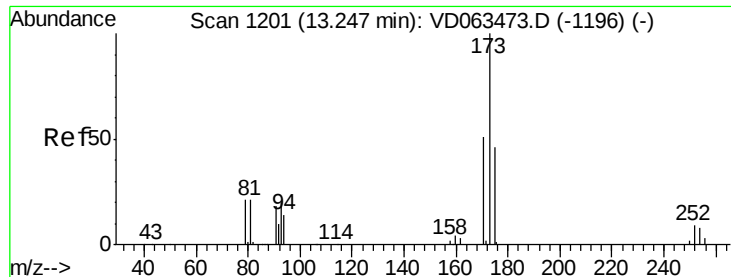
#70
Styrene
Concen: 19.422 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion:104 Resp: 511412
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 43.1 36.4 54.6



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





#71

Bromoform

Concen: 20.250 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampled :

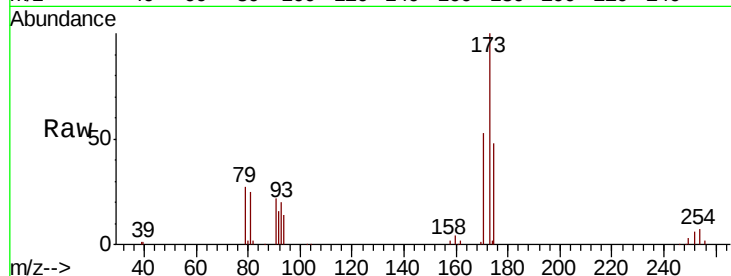
Tot Ion:173 Resp: 153862

Ion Ratio Lower Upper

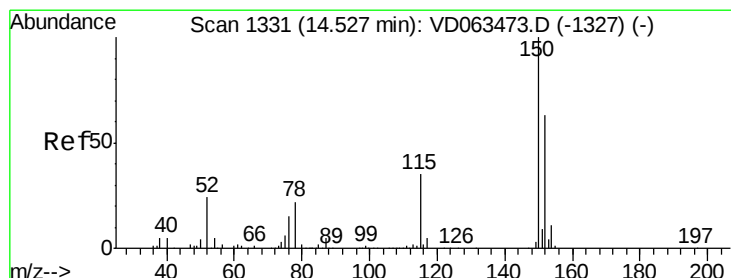
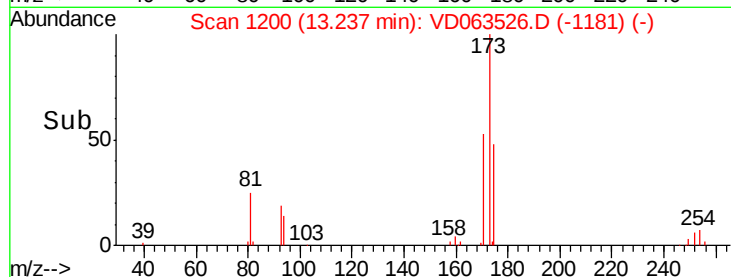
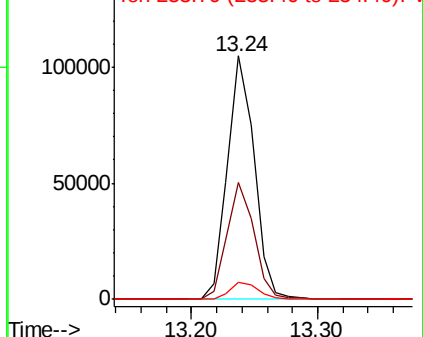
173 100

175 48.2 22.8 68.3

254 7.1 6.6 9.8



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. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

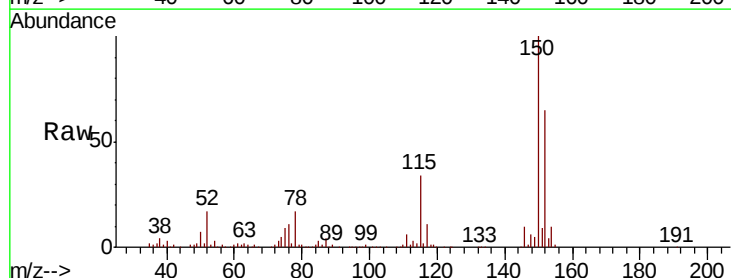
Tgt Ion:152 Resp: 706046

Ion Ratio Lower Upper

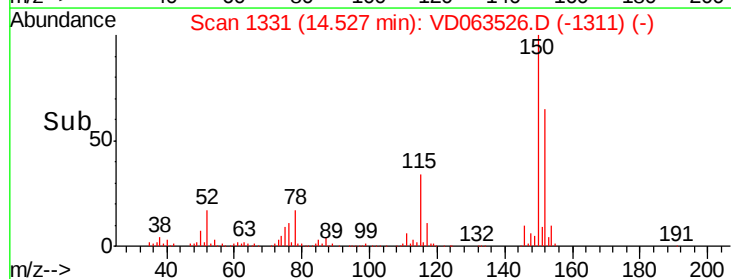
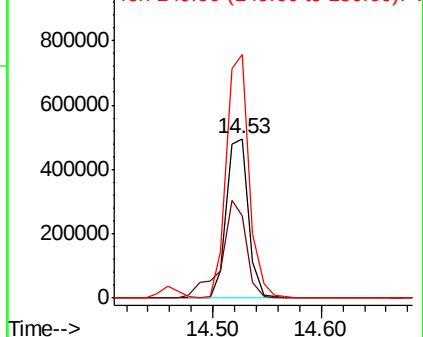
152 100

115 52.0 30.9 92.7

150 152.7 0.0 318.6



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





#73

Isopropylbenzene

Concen: 21.342 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

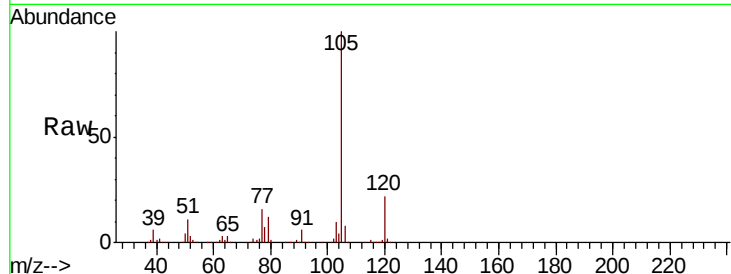
ClientSampleId :

Tot Ion:105 Resp: 958459

Ion Ratio Lower Upper

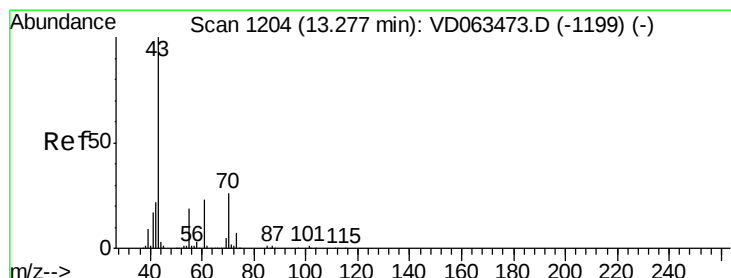
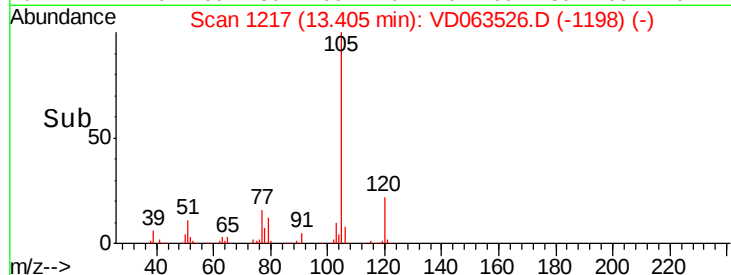
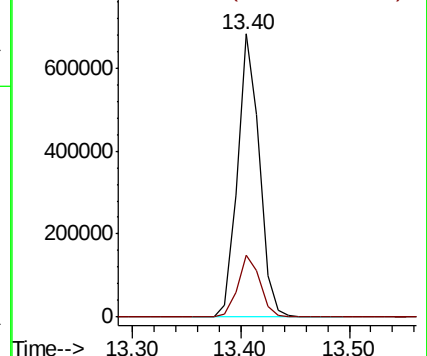
105 100

120 22.0 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.375 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Tgt Ion: 43 Resp: 229697

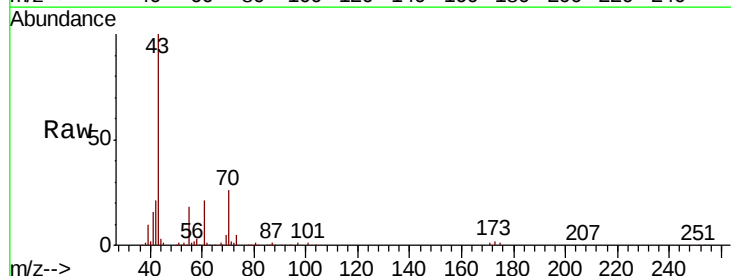
Ion Ratio Lower Upper

43 100

70 26.2 21.1 31.7

55 18.0 15.4 23.0

61 21.4 18.2 27.2

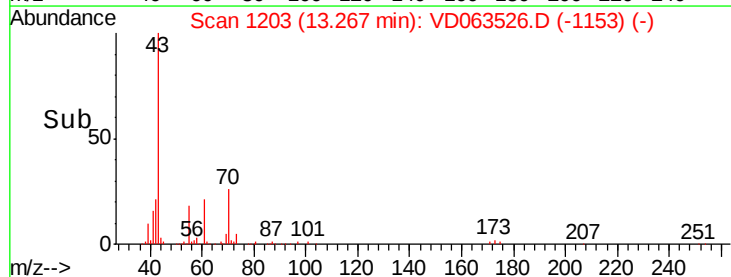
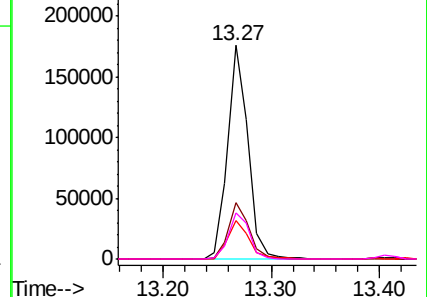


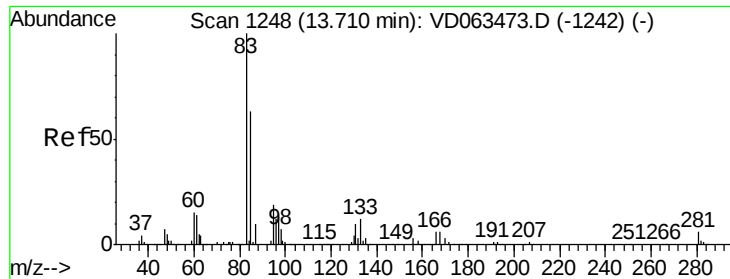
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.186 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

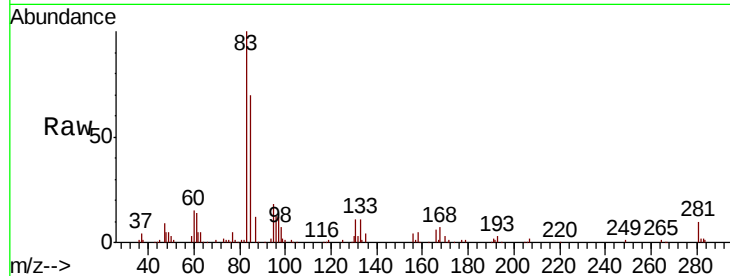
Tot Ion: 83 Resp: 157920

Ion Ratio Lower Upper

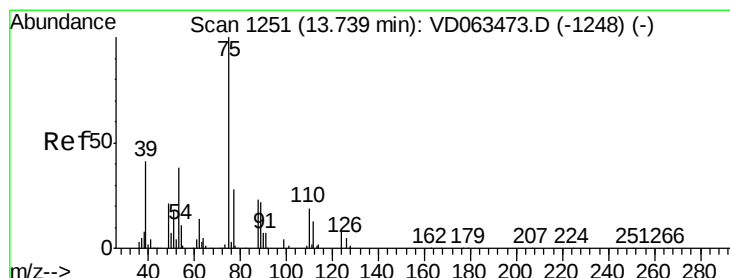
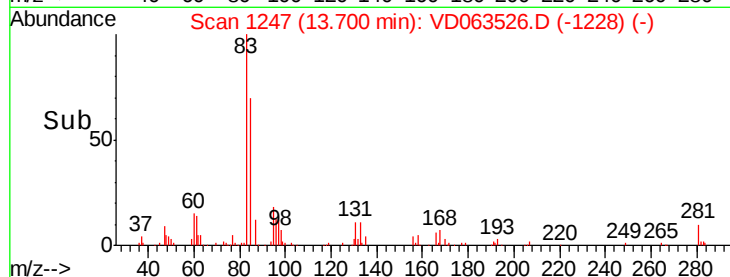
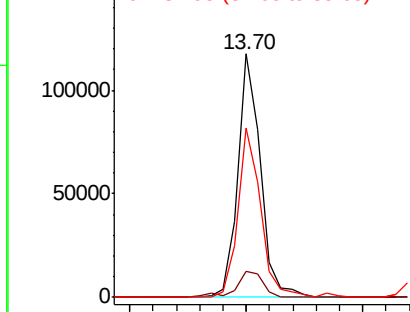
83 100

131 10.9 5.3 15.8

85 69.6 31.4 94.3



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: 20.846 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063526.D

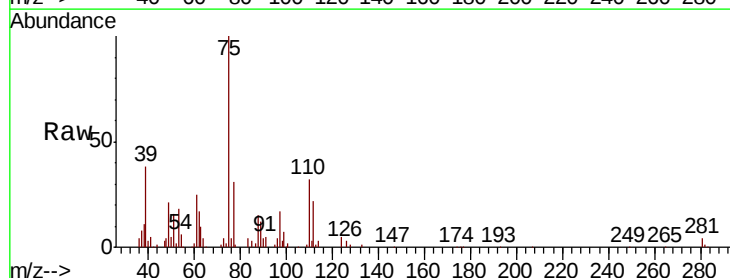
Acq: 13 Aug 2019 14:47

Tgt Ion: 75 Resp: 168920

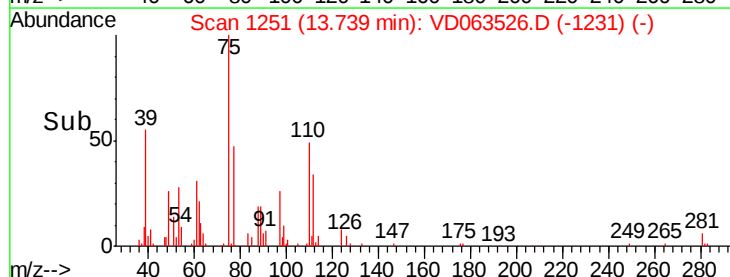
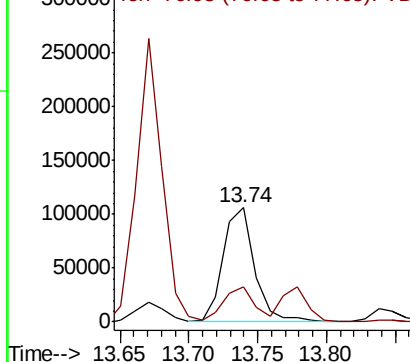
Ion Ratio Lower Upper

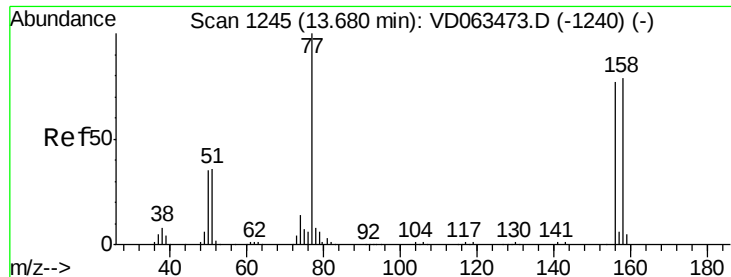
75 100

77 31.1 15.1 45.3



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





#77

Bromobenzene

Concen: 21.413 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

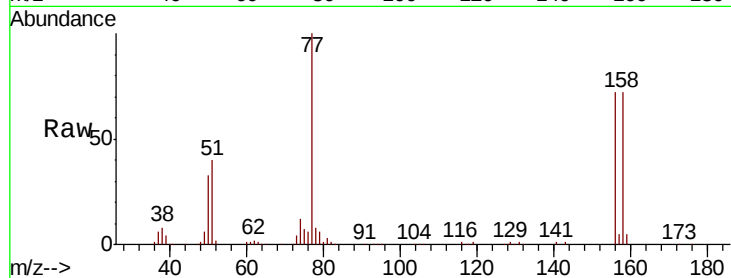
Tot Ion:156 Resp: 262817

Ion Ratio Lower Upper

156 100

77 139.7 64.6 193.8

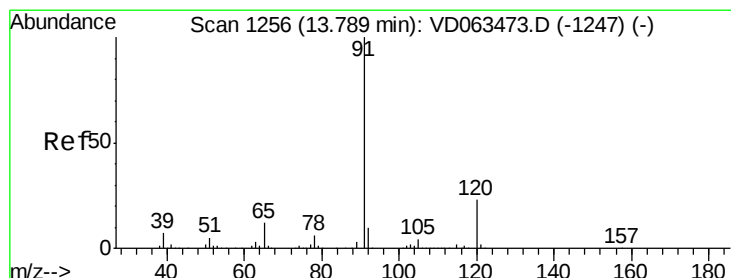
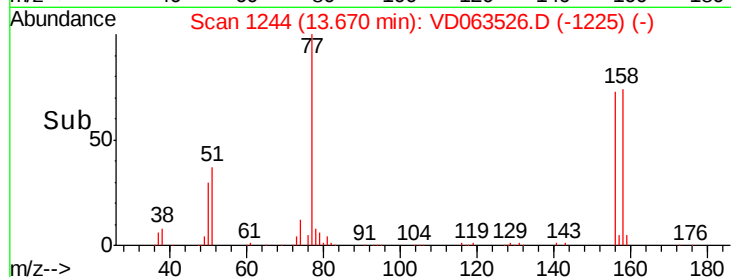
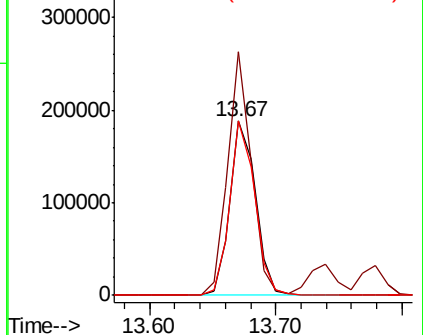
158 100.4 50.9 152.7



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: 20.340 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063526.D

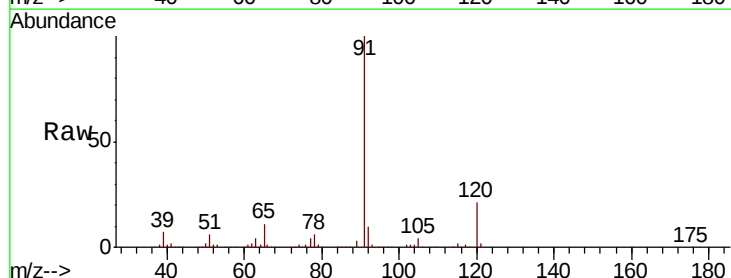
Acq: 13 Aug 2019 14:47

Tgt Ion: 91 Resp: 1068758

Ion Ratio Lower Upper

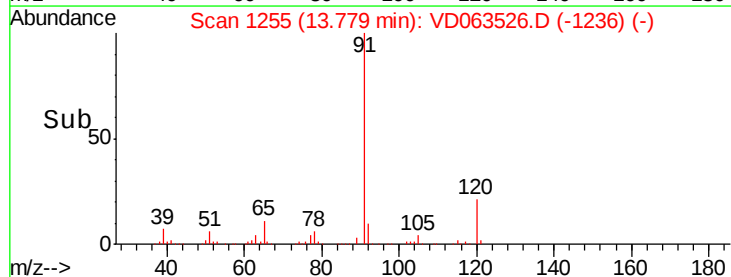
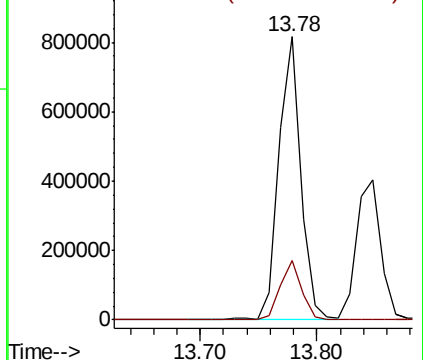
91 100

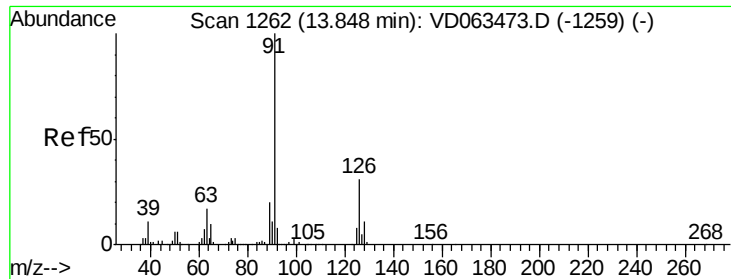
120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.257 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

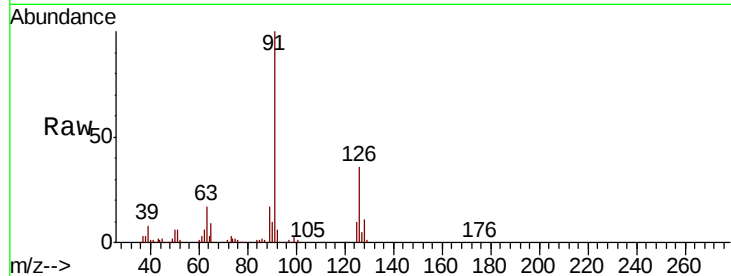
ClientSampleId :

Tot Ion: 91 Resp: 583423

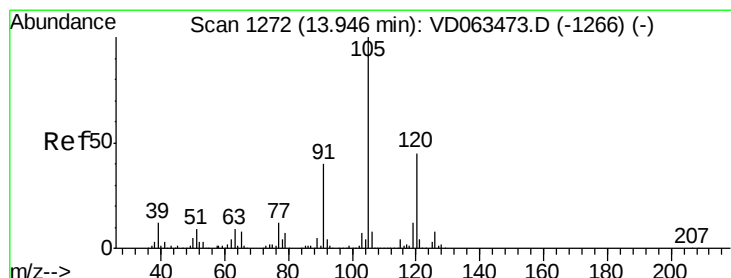
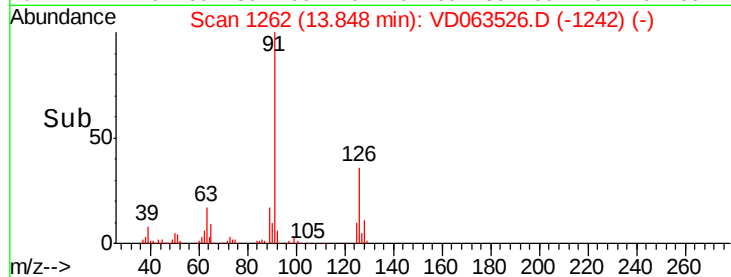
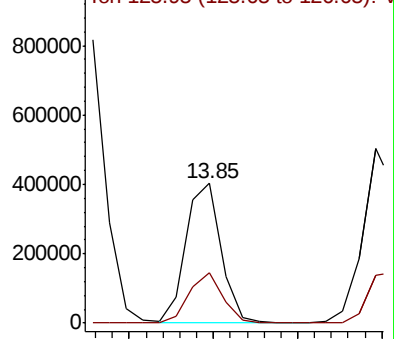
Ion Ratio Lower Upper

91 100

126 36.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.908 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063526.D

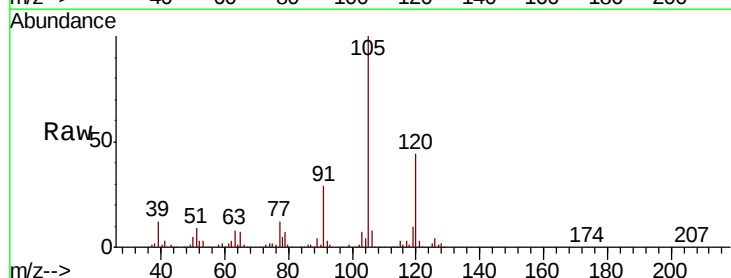
Acq: 13 Aug 2019 14:47

Tgt Ion:105 Resp: 781141

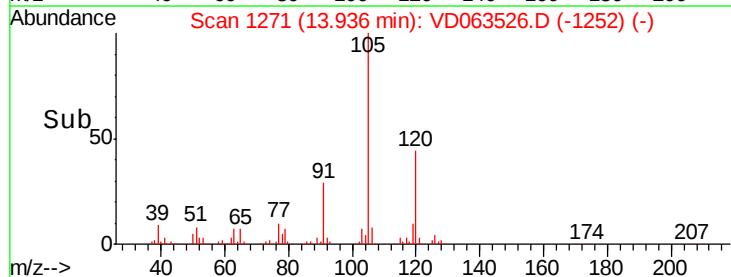
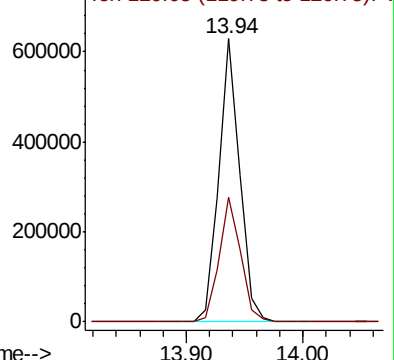
Ion Ratio Lower Upper

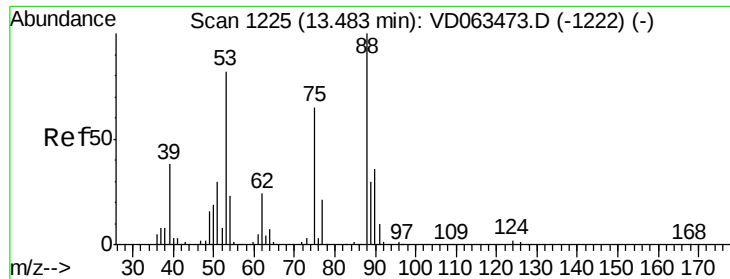
105 100

120 44.3 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

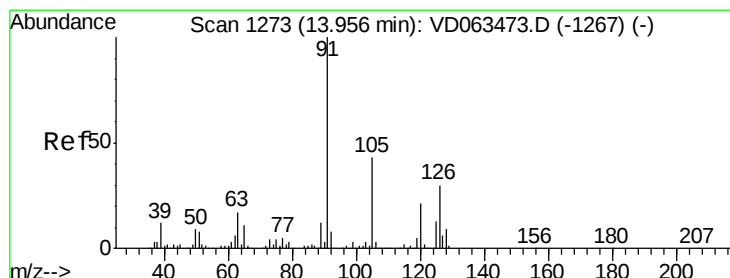
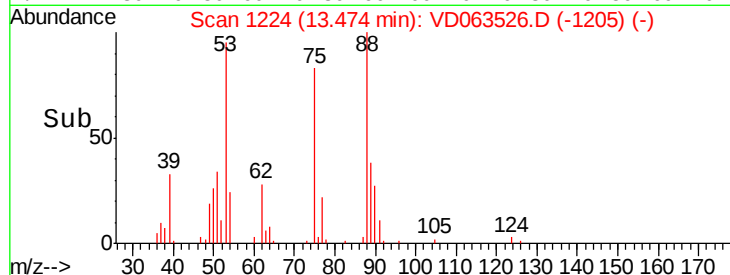
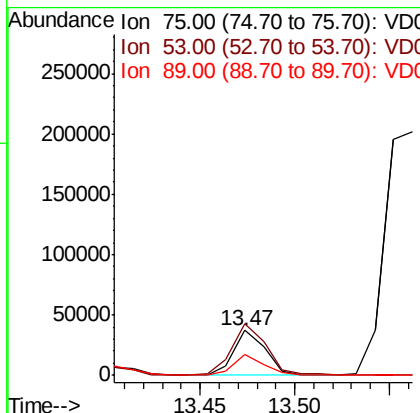
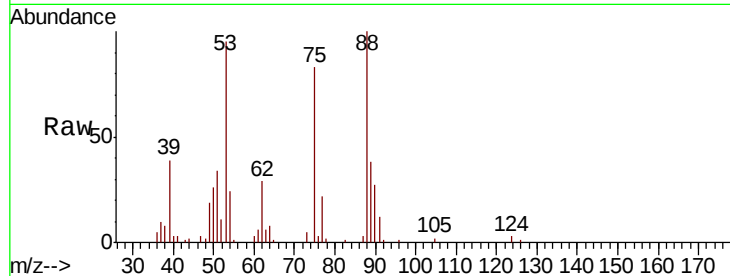




#81
trans-1,4-Dichloro-2-butene
Concen: 20.327 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

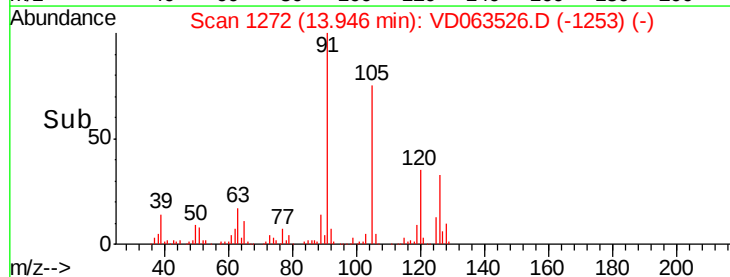
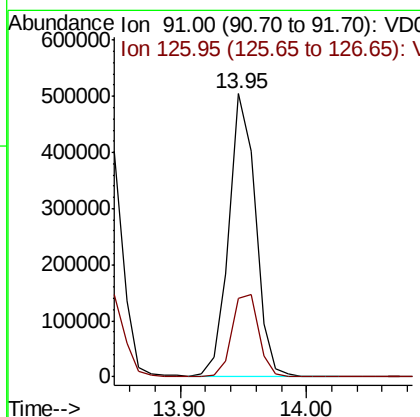
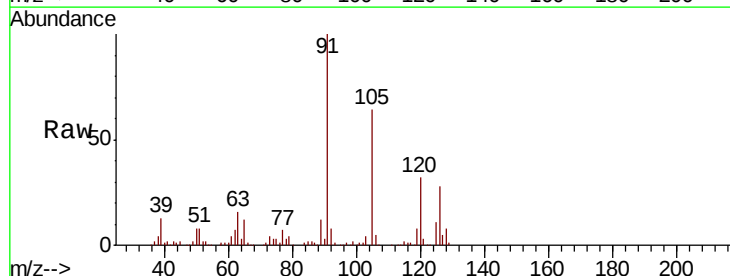
Instrument :
MSVOA_D
ClientSampled :

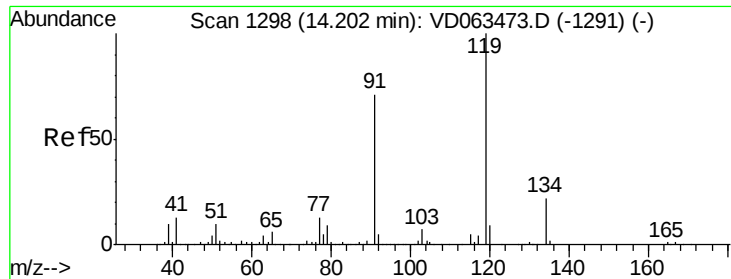
Tot Ion: 75 Resp: 44269
Ion Ratio Lower Upper
75 100
53 114.5 101.0 151.4
89 45.9 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.075 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion: 91 Resp: 731337
Ion Ratio Lower Upper
91 100
126 27.7 15.2 45.6





#83

tert-Butylbenzene

Concen: 20.669 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

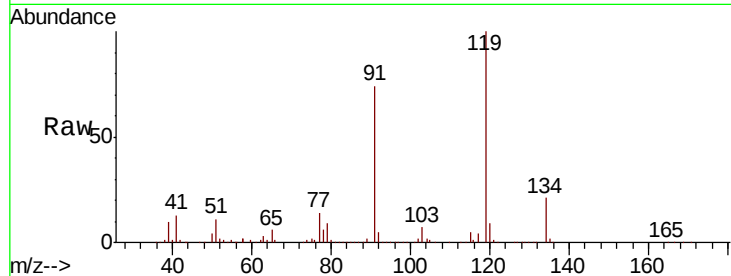
Tot Ion:119 Resp: 854044

Ion Ratio Lower Upper

119 100

91 74.0 35.5 106.7

134 20.8 11.1 33.1



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

600000

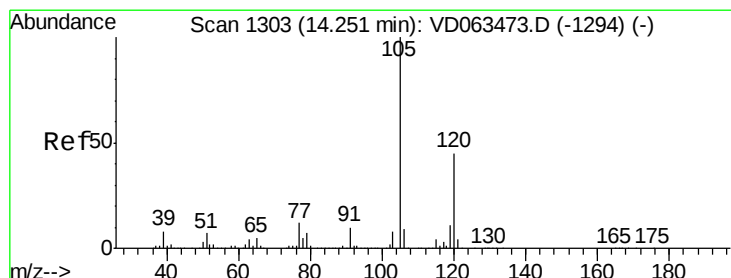
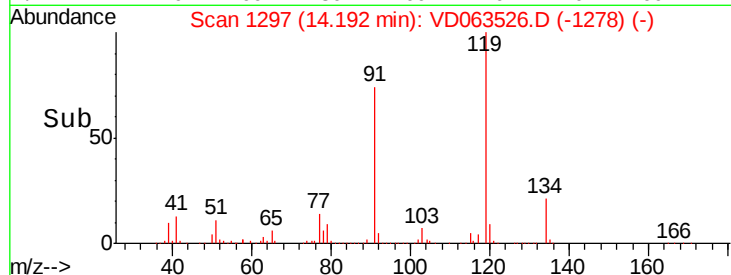
400000

200000

0

14.10 14.20 14.30

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 22.077 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD063526.D

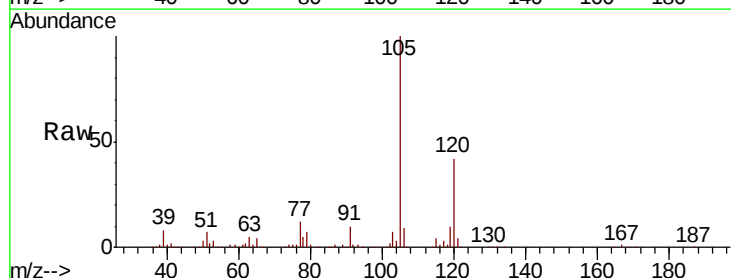
Acq: 13 Aug 2019 14:47

Tgt Ion:105 Resp: 801523

Ion Ratio Lower Upper

105 100

120 42.4 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

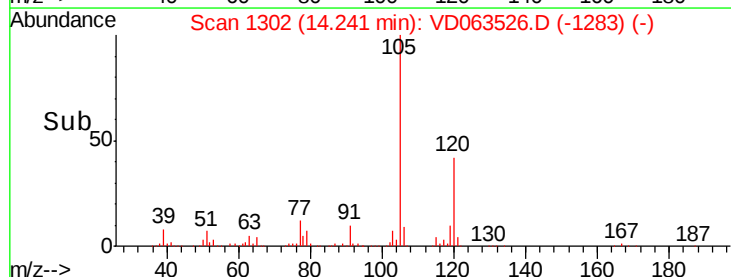
400000

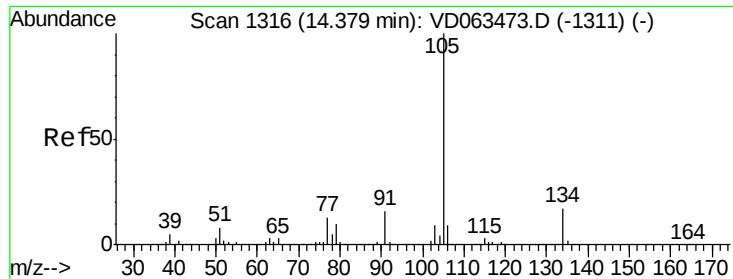
200000

0

14.10 14.20 14.30

Time-->

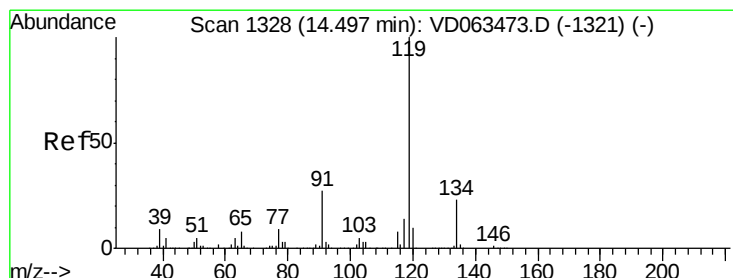
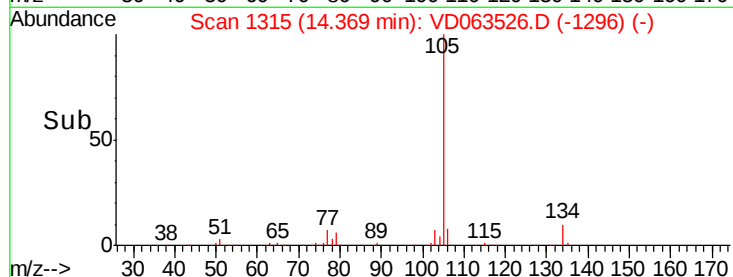
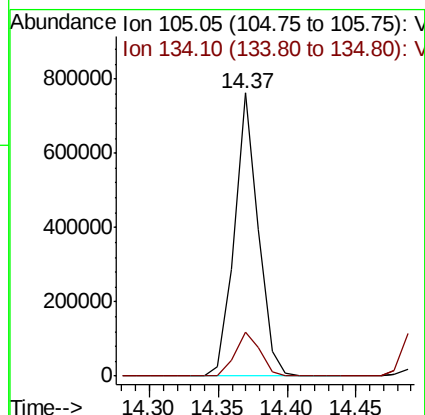
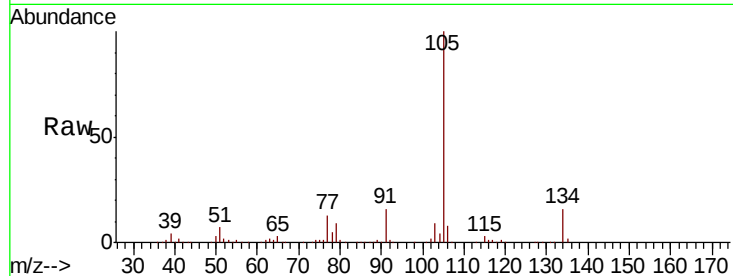




#85
 sec-Butylbenzene
 Concen: 20.774 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

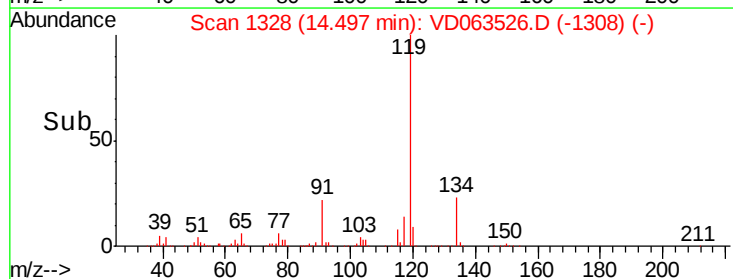
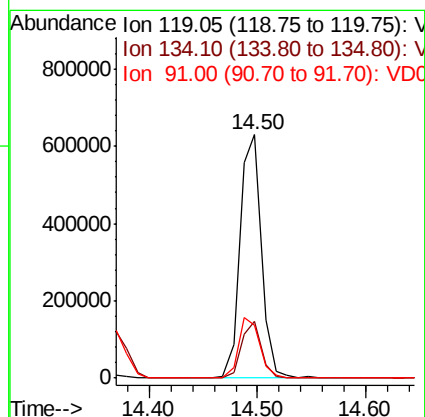
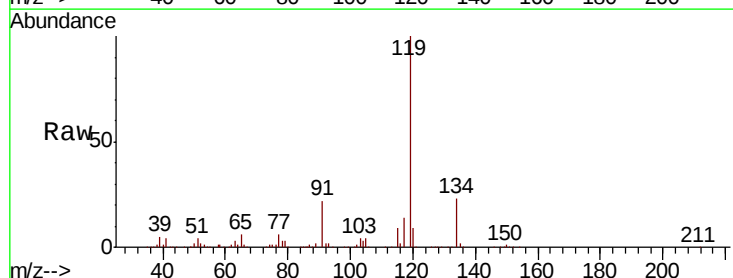
Instrument :
 MSVOA_D
 ClientSampleId :

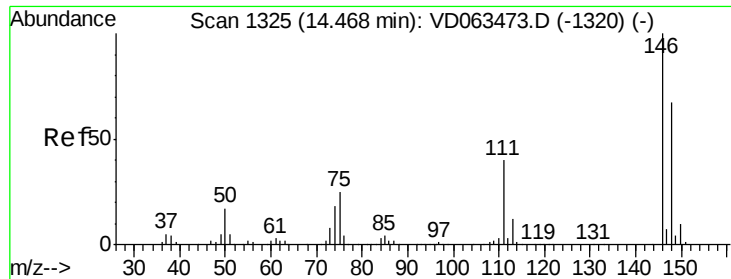
Tot Ion:105 Resp: 911571
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.558 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion:119 Resp: 862548
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.3 33.8
 91 21.8 13.5 40.4

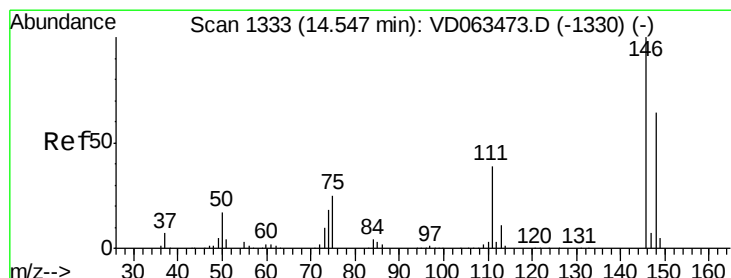
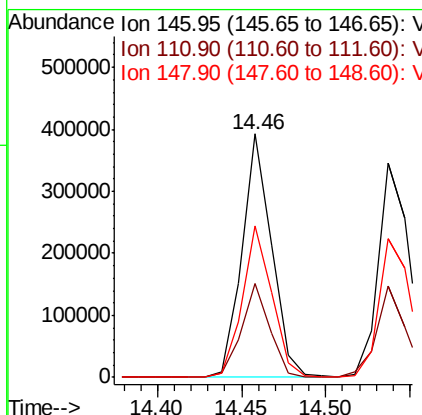
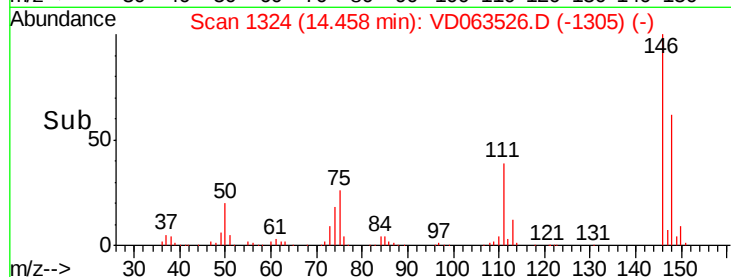
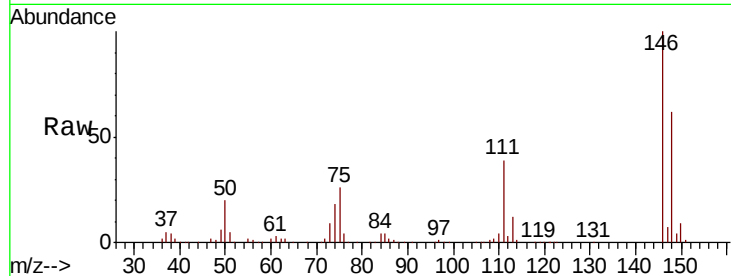




#87
 1,3-Dichlorobenzene
 Concen: 21.580 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

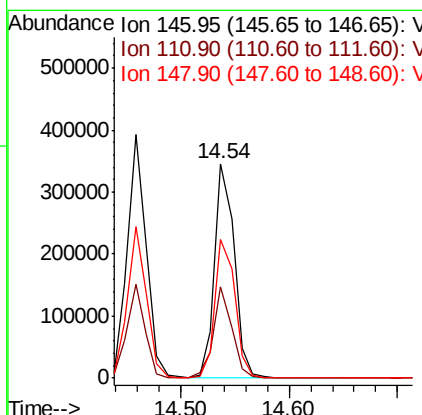
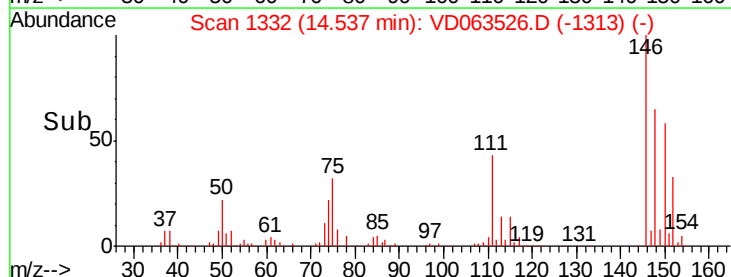
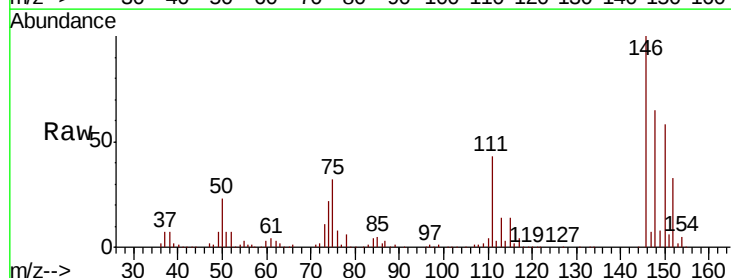
Instrument :
 MSVOA_D
 ClientSampled :

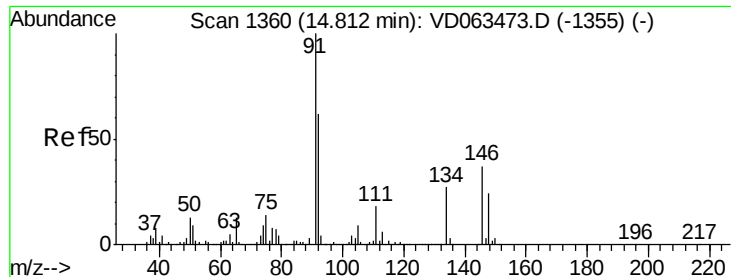
Tot Ion:146 Resp: 479093
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.0 60.0
 148 62.2 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 20.667 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion:146 Resp: 440199
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.7 59.0
 148 64.8 32.1 96.3





#89

n-Butylbenzene

Concen: 20.282 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

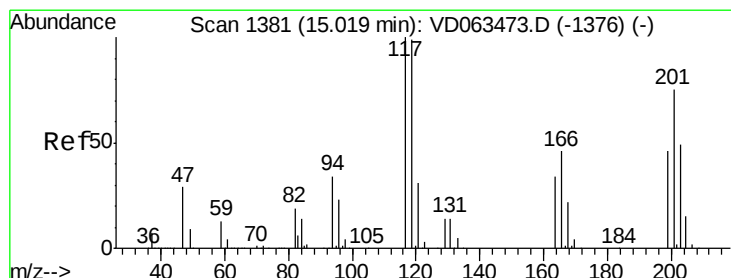
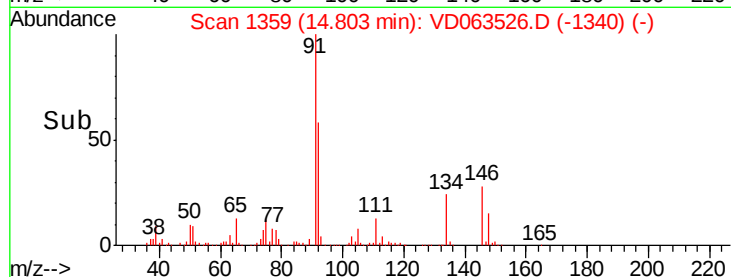
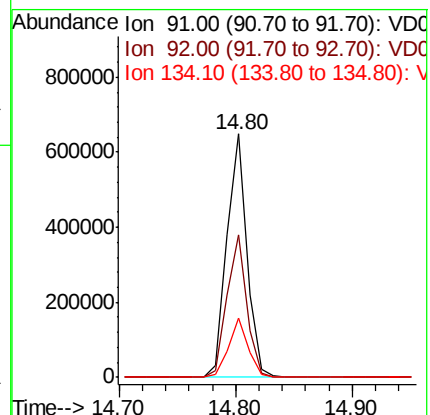
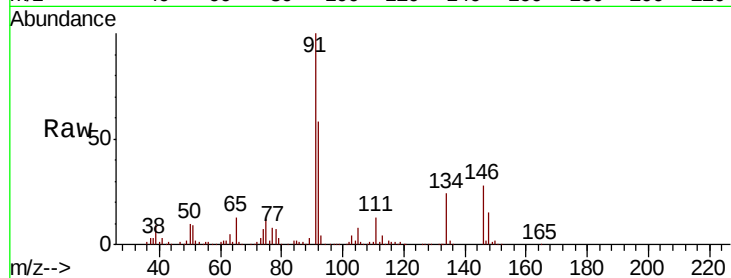
Tot Ion: 91 Resp: 776640

Ion Ratio Lower Upper

91 100

92 58.3 30.8 92.3

134 24.5 13.4 40.2



#90

Hexachloroethane

Concen: 21.991 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063526.D

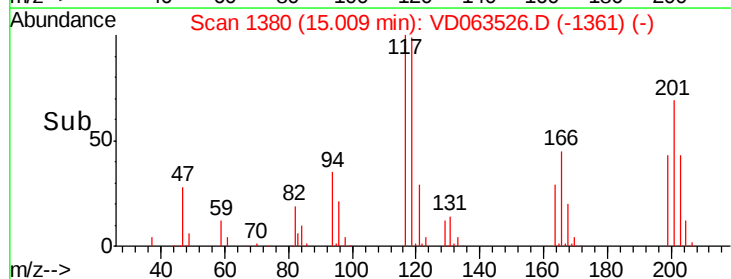
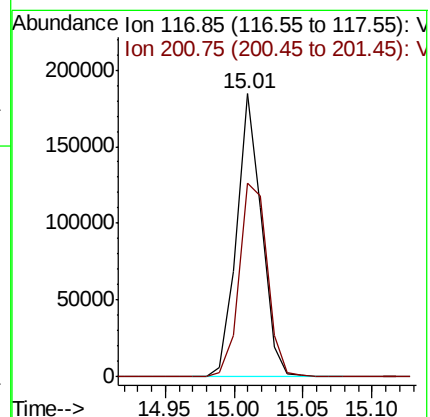
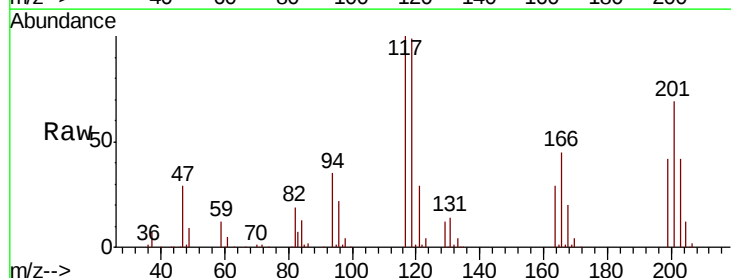
Acq: 13 Aug 2019 14:47

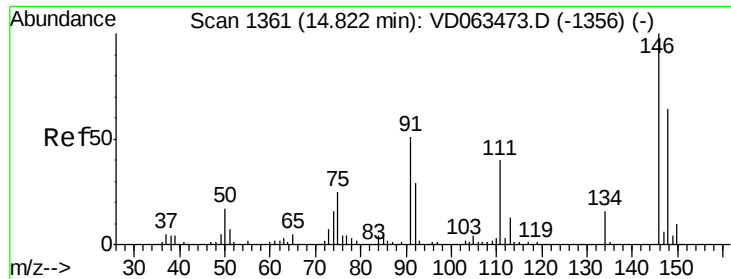
Tgt Ion: 117 Resp: 231908

Ion Ratio Lower Upper

117 100

201 68.6 37.5 112.5

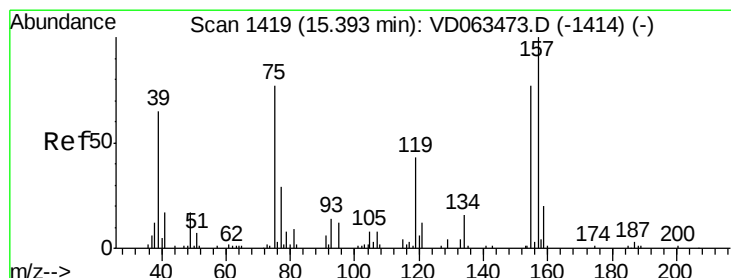
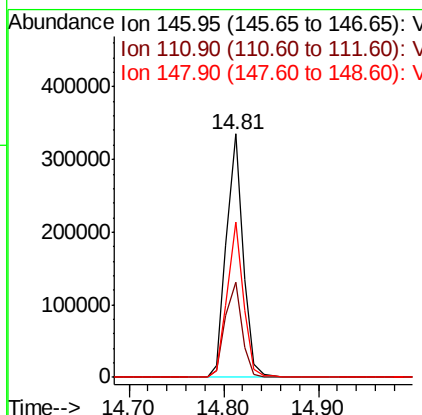
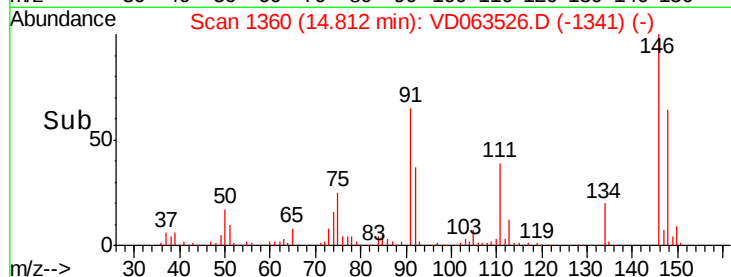
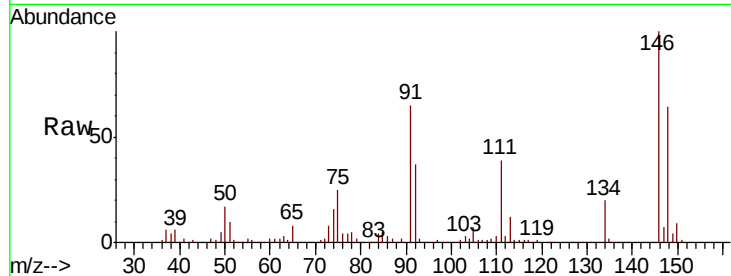




#91
 1,2-Dichlorobenzene
 Concen: 21.858 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

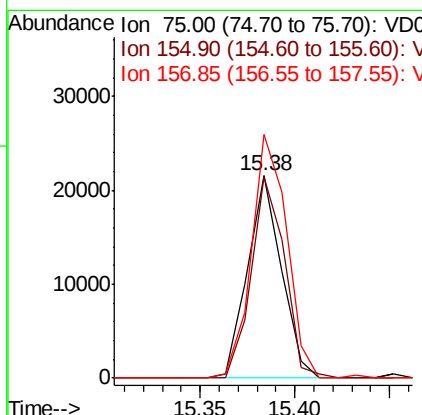
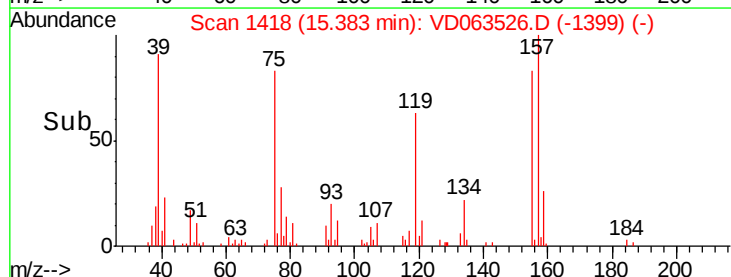
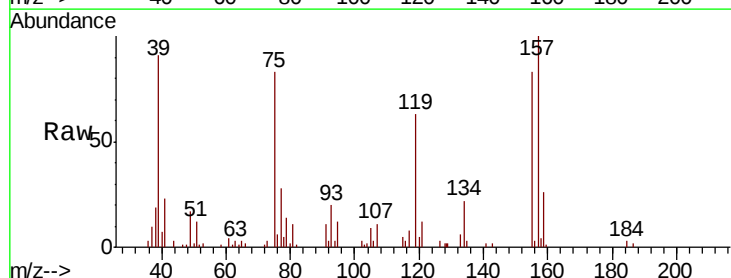
Instrument :
 MSVOA_D
 ClientSampled :

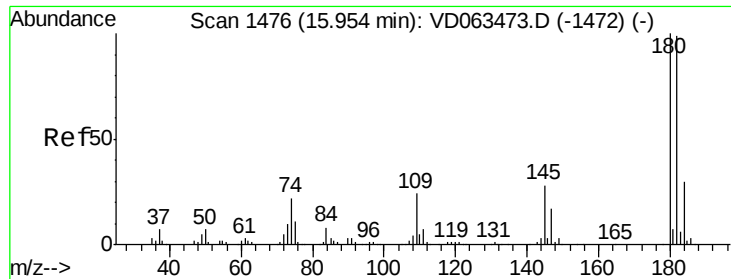
Tot Ion:146 Resp: 411714
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.2 60.6
 148 64.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.001 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion: 75 Resp: 26668
 Ion Ratio Lower Upper
 75 100
 155 99.2 50.1 150.3
 157 120.2 65.0 195.1

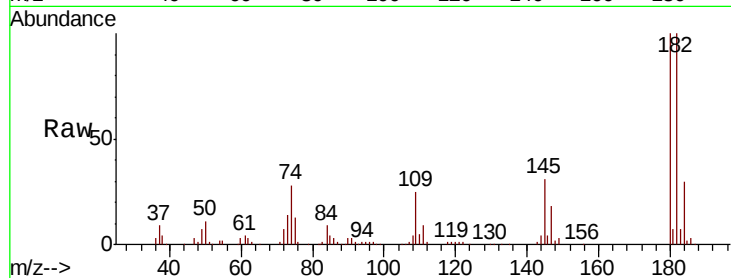




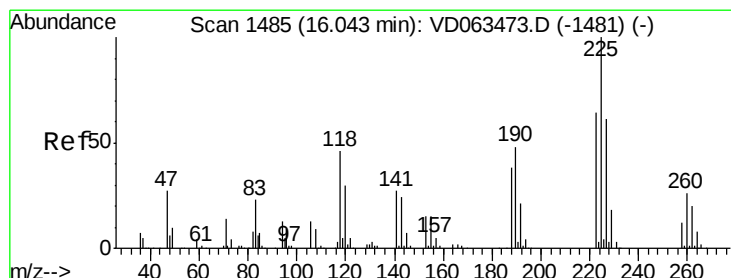
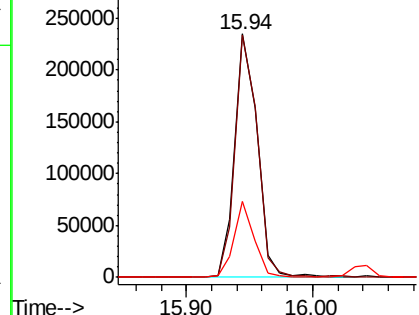
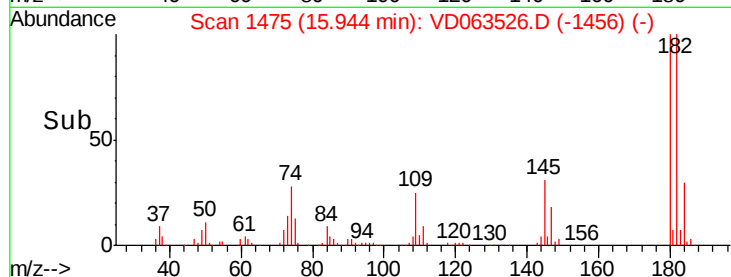
#93
 1,2,4-Trichlorobenzene
 Concen: 20.796 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	49.7	149.1
145	31.0	14.1	42.2

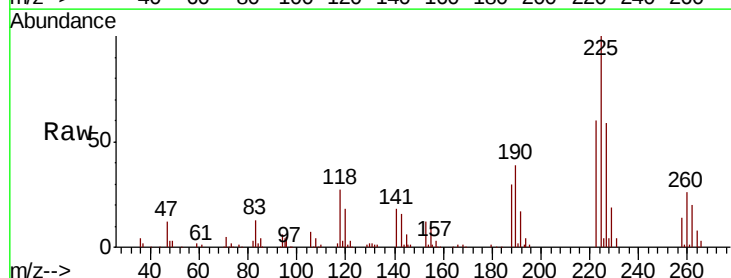


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

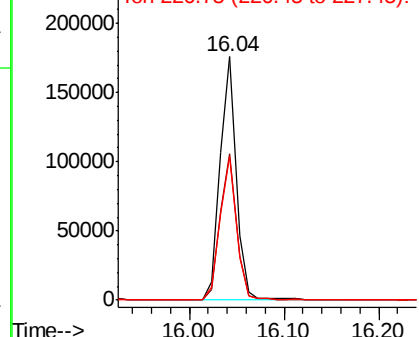
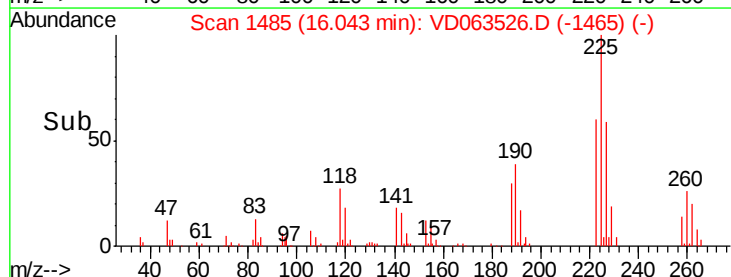


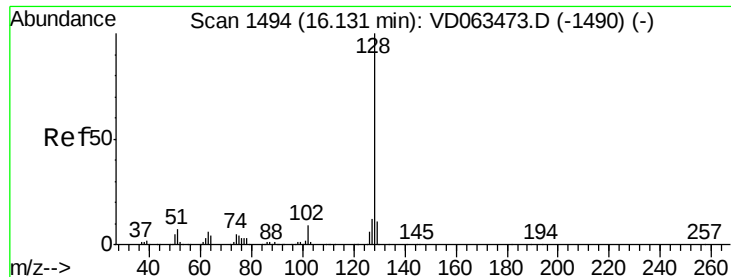
#94
 Hexachlorobutadiene
 Concen: 19.841 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.5
227	59.0	30.7	92.1



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

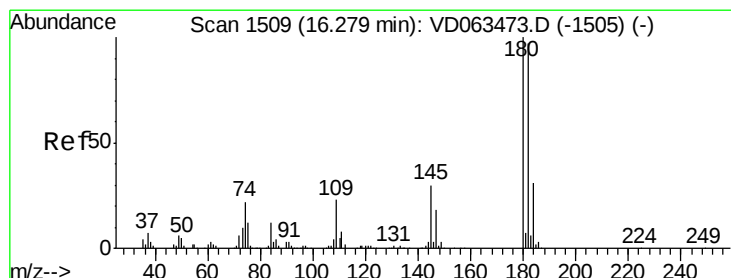
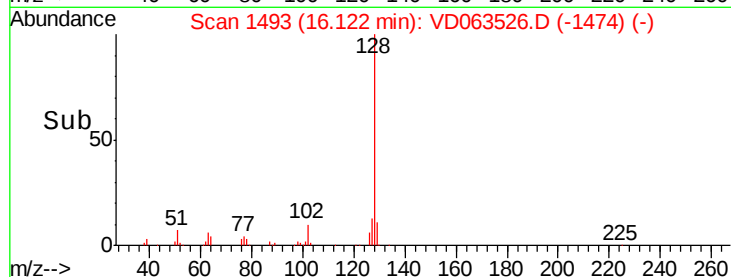
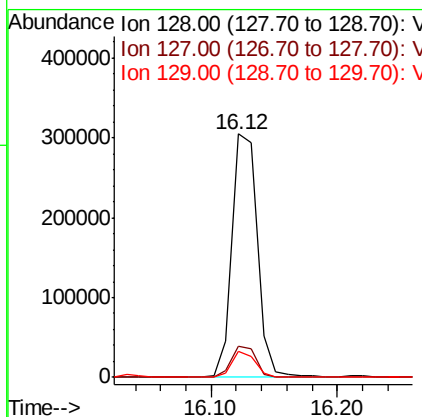
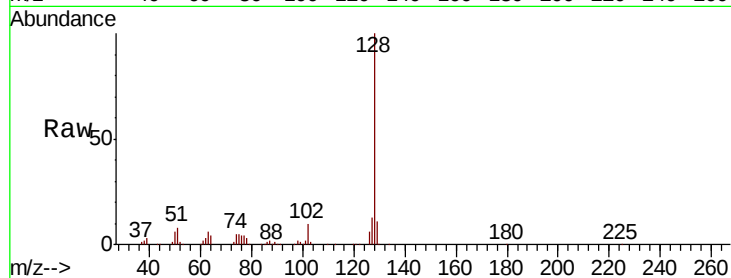




#95
Naphthalene
Concen: 20.154 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 423316
Ion Ratio Lower Upper
128 100
127 12.7 9.4 14.0
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.431 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Tgt Ion:180 Resp: 217522
Ion Ratio Lower Upper
180 100
182 93.0 48.4 145.2
145 31.3 14.9 44.9

