

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 : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

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

33) 1,2-Dichloroethane-d4	7.46	65	648567	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	6.94	113	710214	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.42	98	1547704	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	13.56	95	659550	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						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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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0813SBS01

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)
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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Sample : VD0813SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

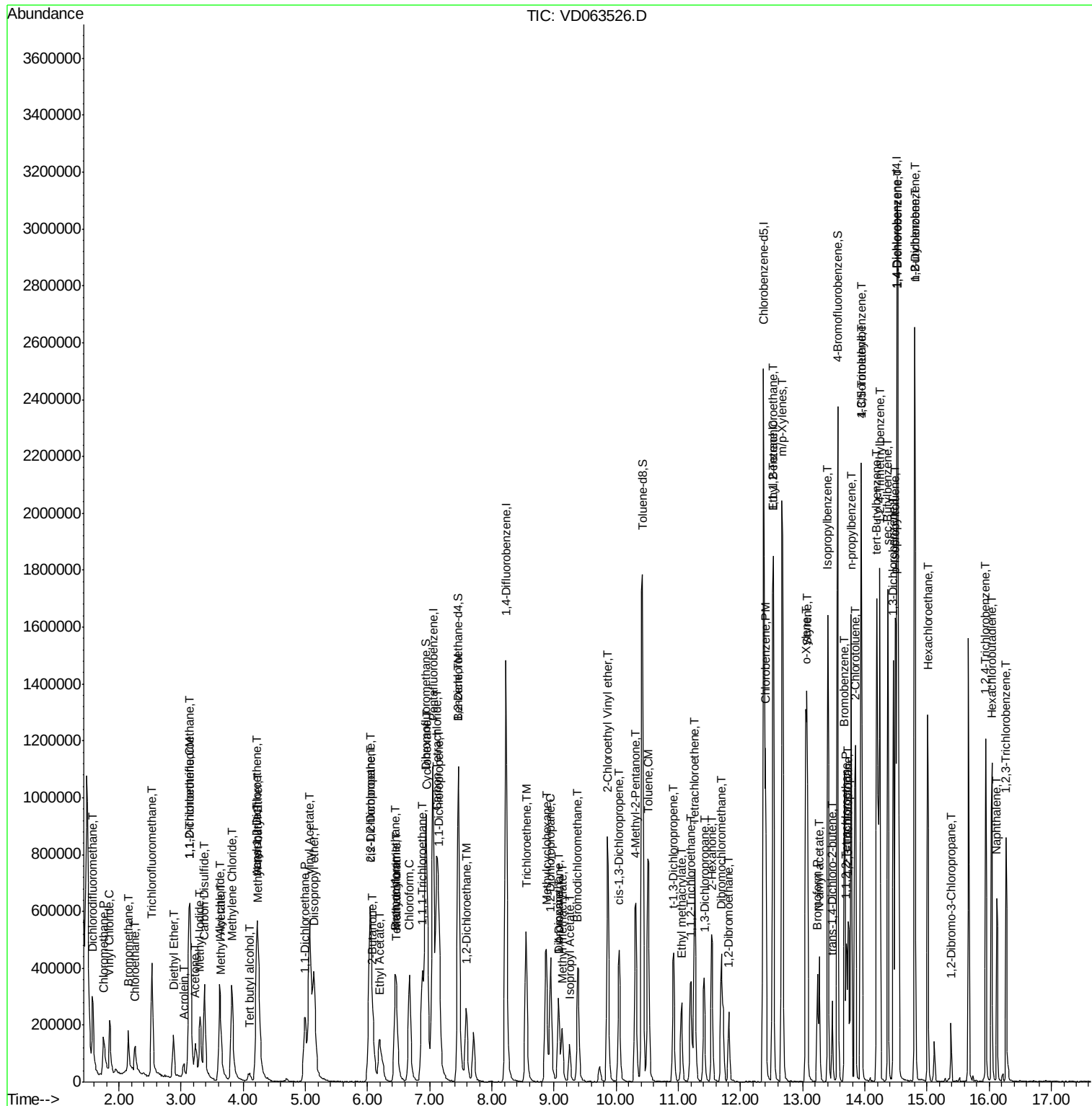
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

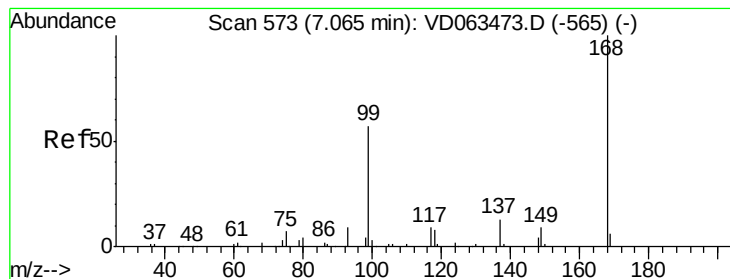
Quant Time: Aug 14 08:27:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

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

Quant Time: Aug 14 08:27:39 2019
Quant Method : Z:\VQASRV\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 :

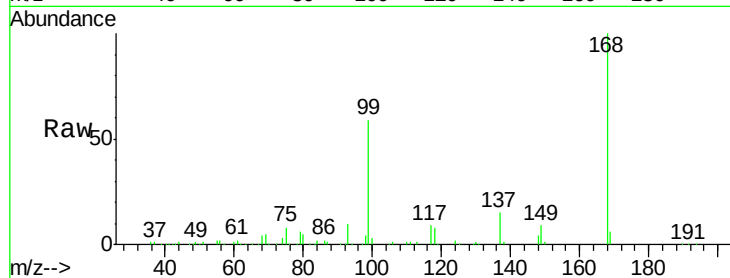
VD0813SBSD01

Tot Ion:168 Resp: 1138114

Ion Ratio Lower Upper

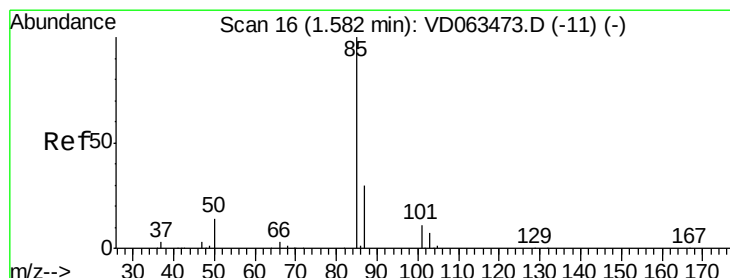
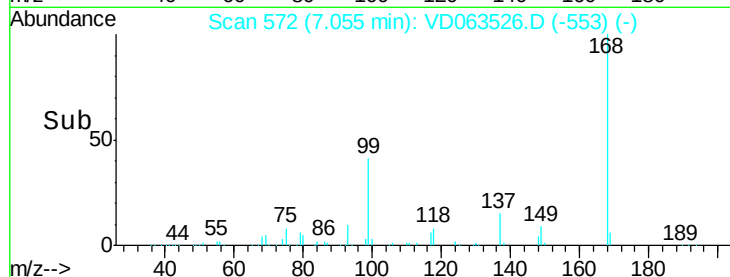
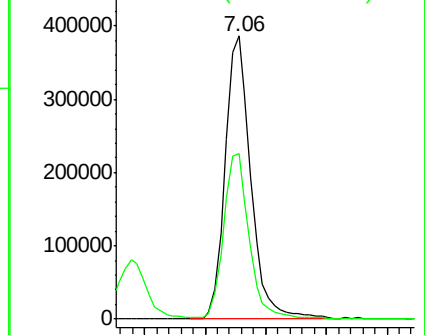
168 100

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

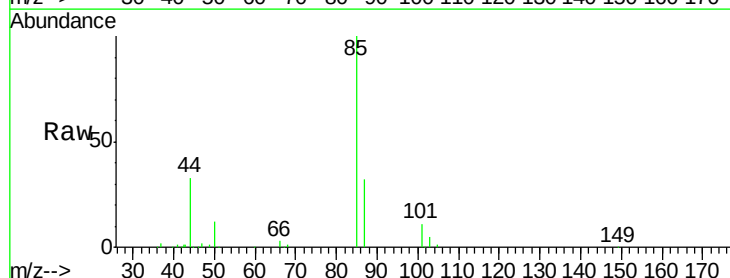
Acq: 13 Aug 2019 14:47

Tgt Ion: 85 Resp: 280313

Ion Ratio Lower Upper

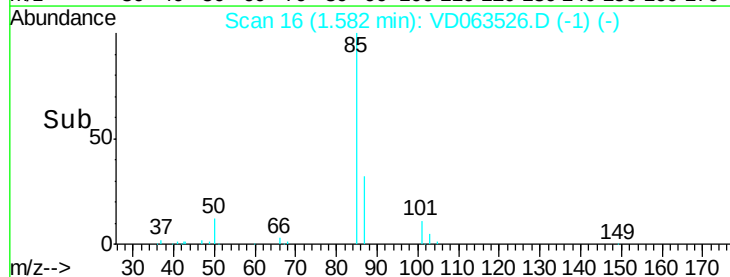
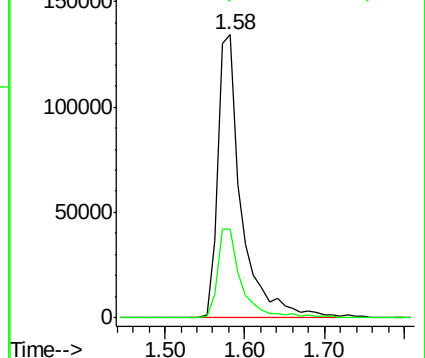
85 100

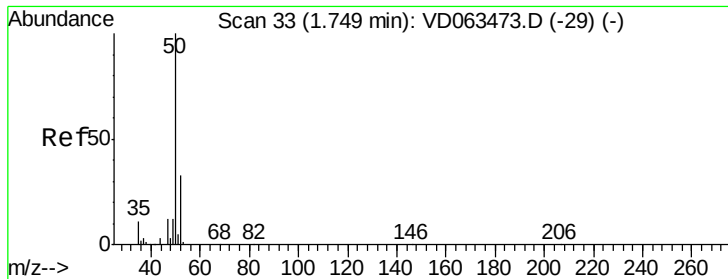
87 31.6 15.0 45.0



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

ClientSampleId :

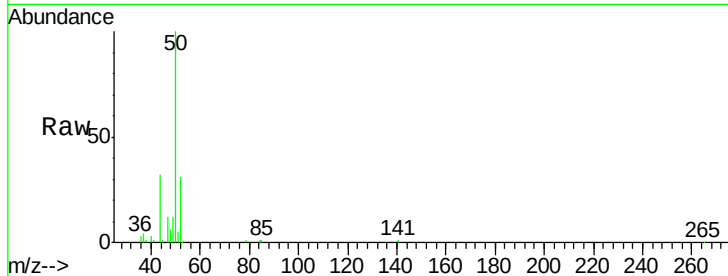
VD0813SBSD01

Tot Ion: 50 Resp: 224992

Ion Ratio Lower Upper

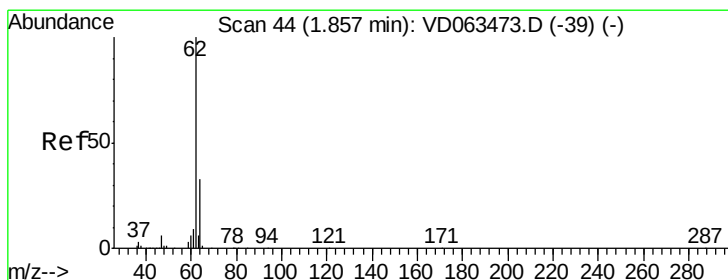
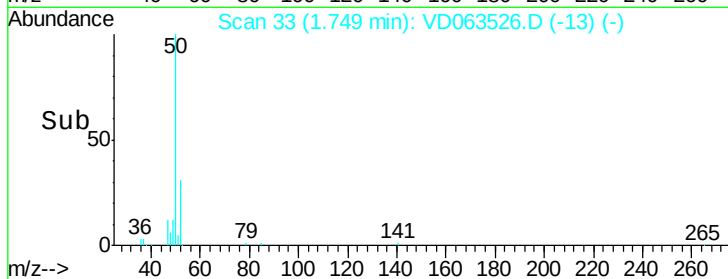
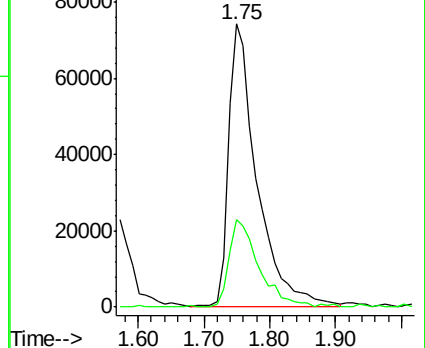
50 100

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

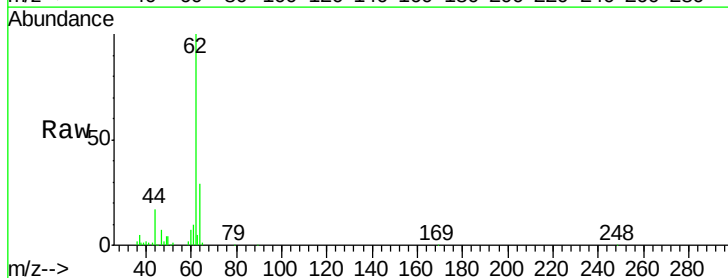
Acq: 13 Aug 2019 14:47

Tgt Ion: 62 Resp: 211201

Ion Ratio Lower Upper

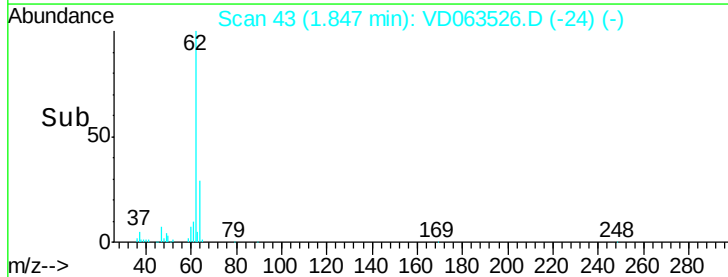
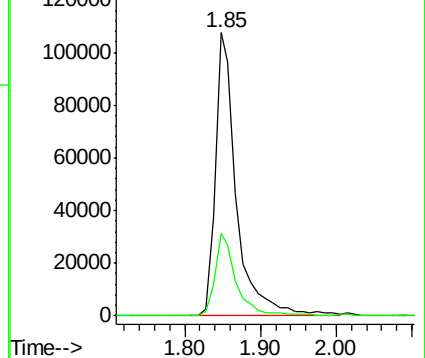
62 100

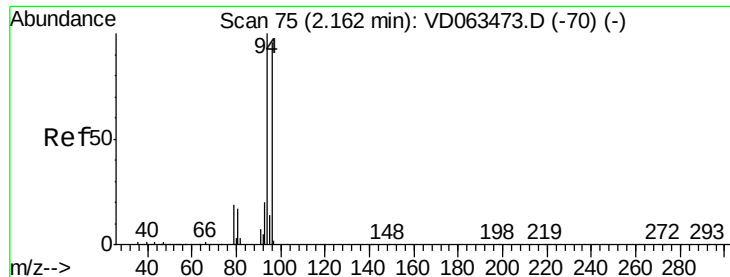
64 29.0 26.4 39.6



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 :

VD0813SBSD01

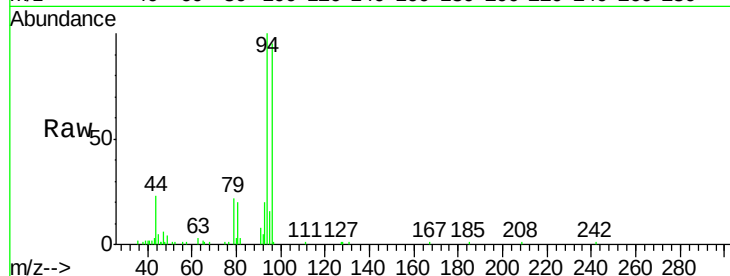
Tot Ion: 94 Resp: 90448

Ion Ratio Lower Upper

94 100

96 94.9 76.5 114.7

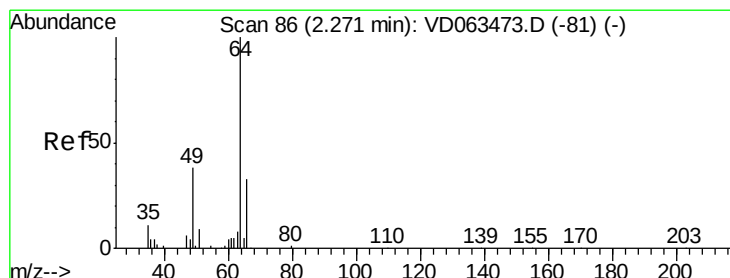
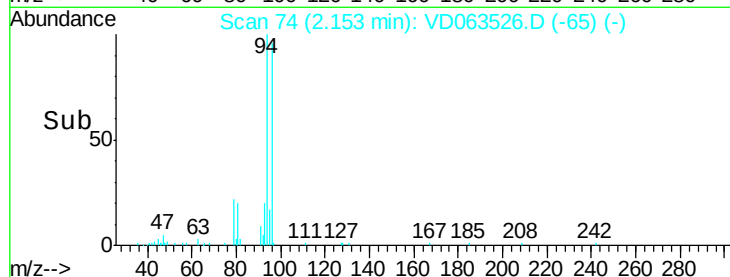
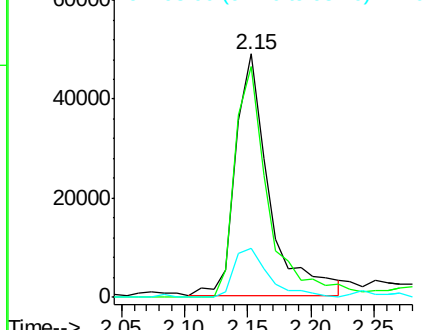
93 20.1 15.8 23.8



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

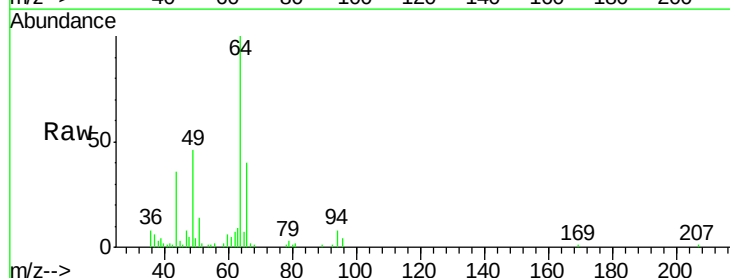
Acq: 13 Aug 2019 14:47

Tgt Ion: 64 Resp: 90686

Ion Ratio Lower Upper

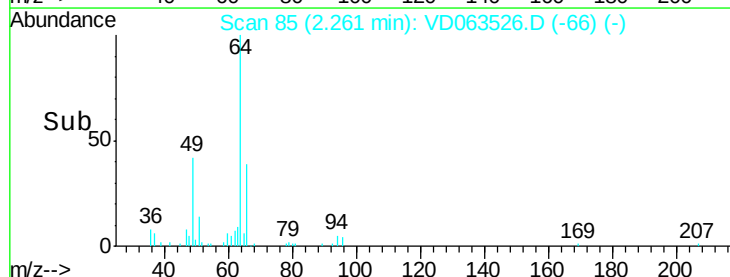
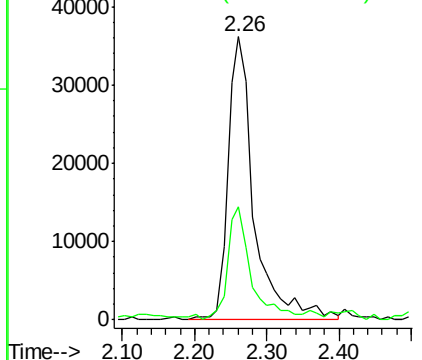
64 100

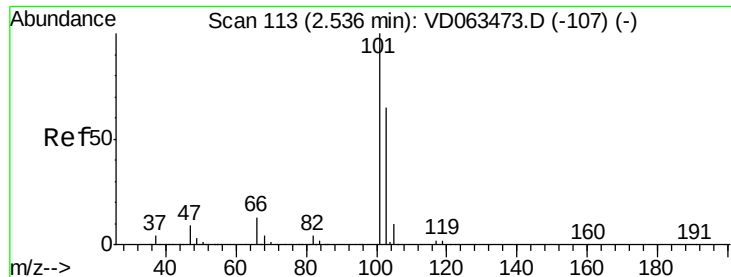
66 40.2 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



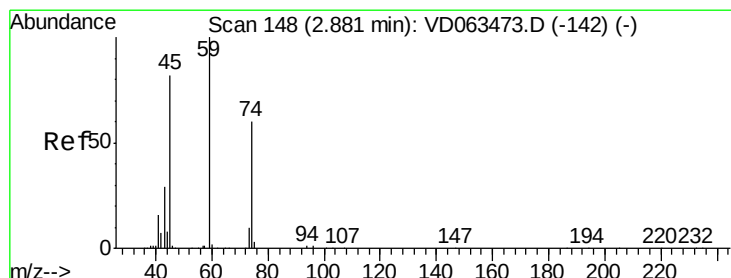
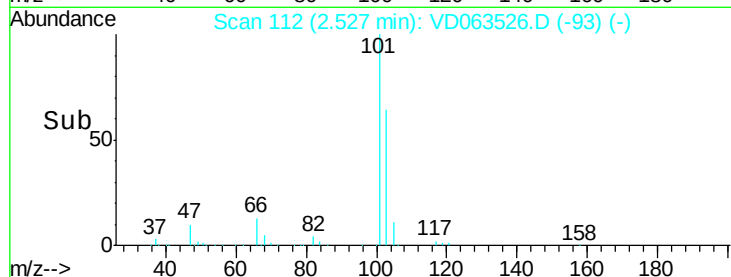
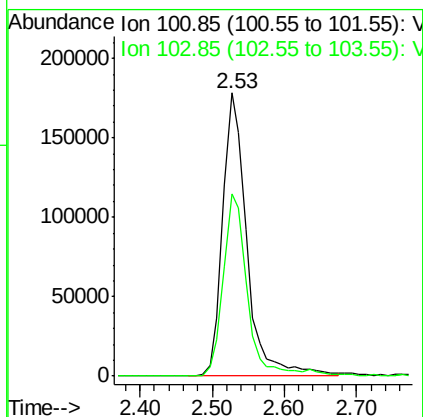
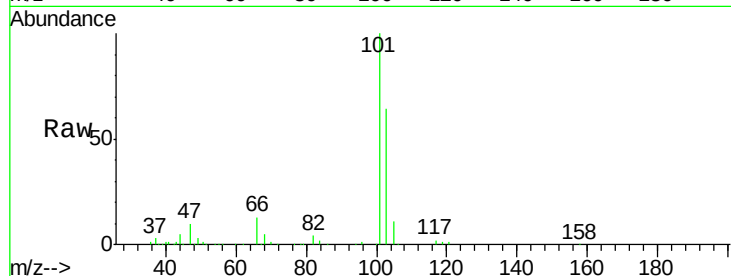


#7

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 :
VD0813SBSD01

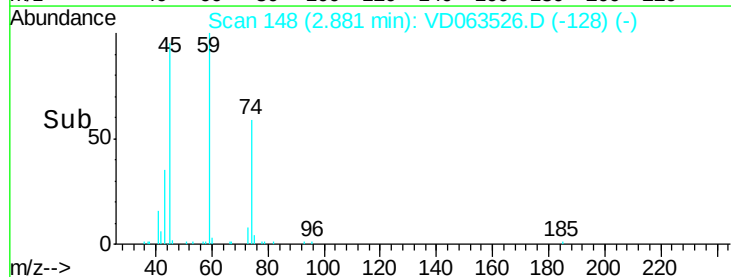
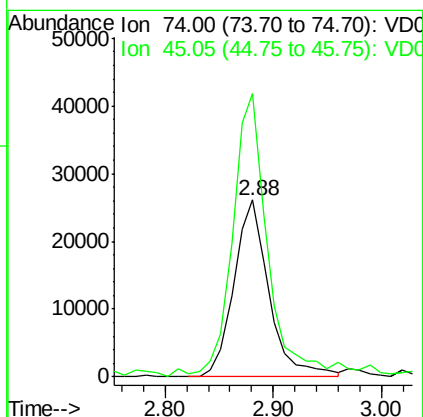
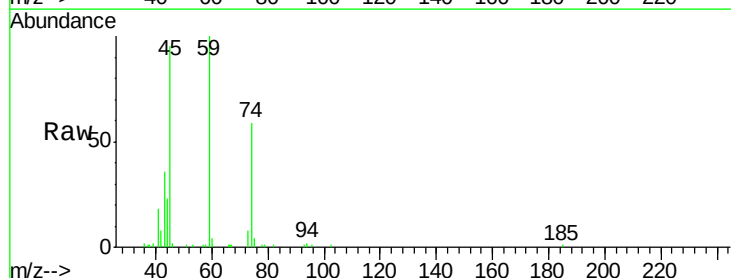
Tot Ion:101 Resp: 414721
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

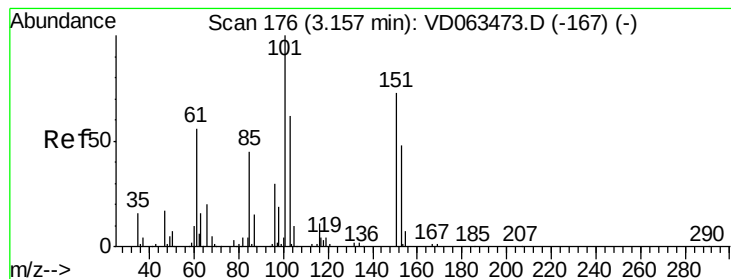


#8

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 :

VD0813SBSD01

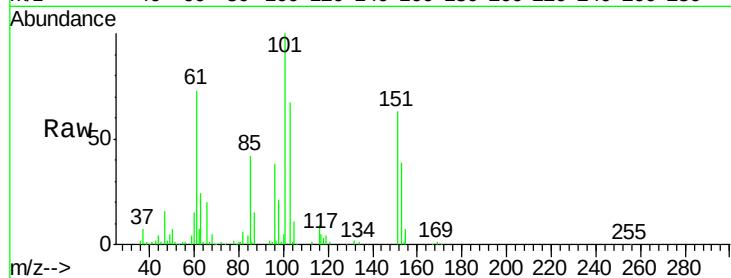
Tot Ion:101 Resp: 247571

Ion Ratio Lower Upper

101 100

85 41.8 35.8 53.6

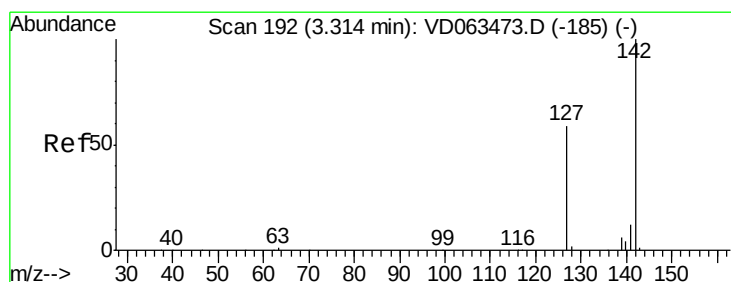
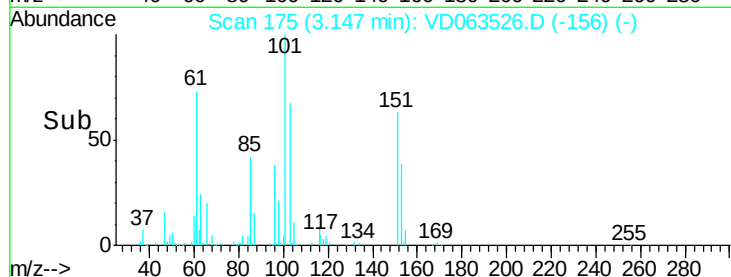
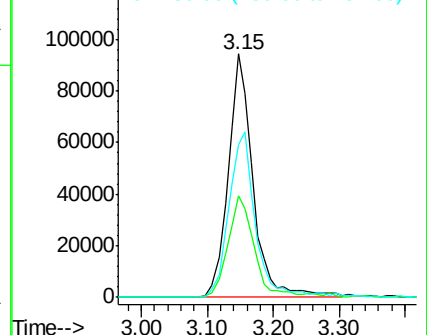
151 62.8 58.6 88.0



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

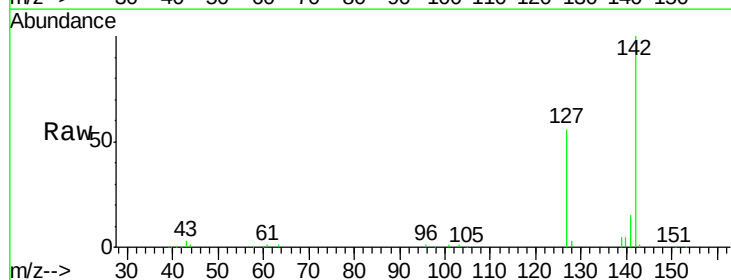
Tgt Ion:142 Resp: 318733

Ion Ratio Lower Upper

142 100

127 56.2 47.2 70.8

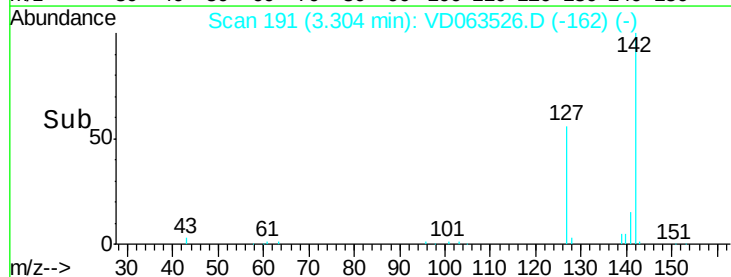
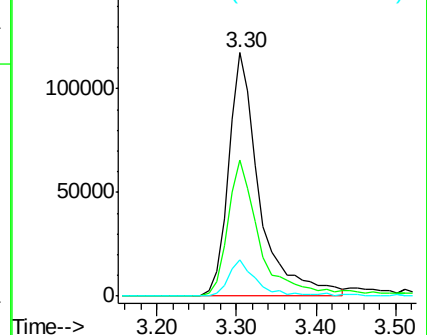
141 14.8 9.8 14.8#

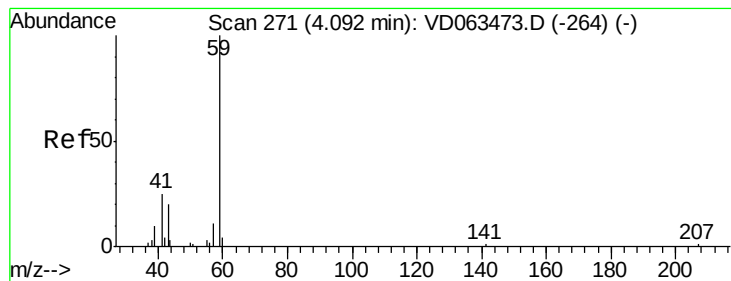


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



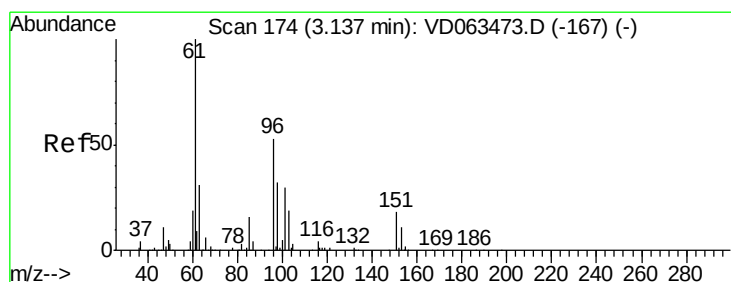
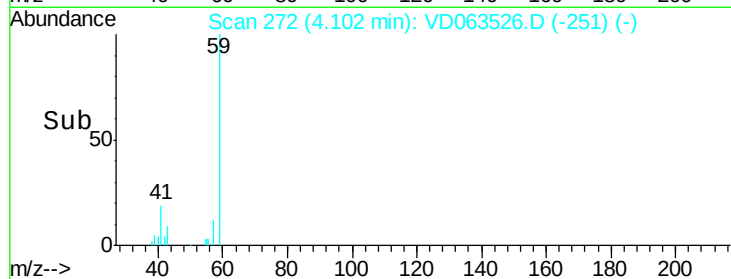
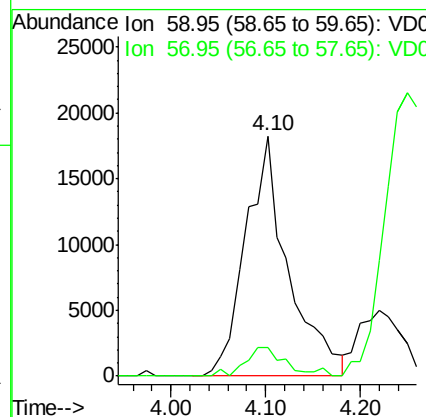
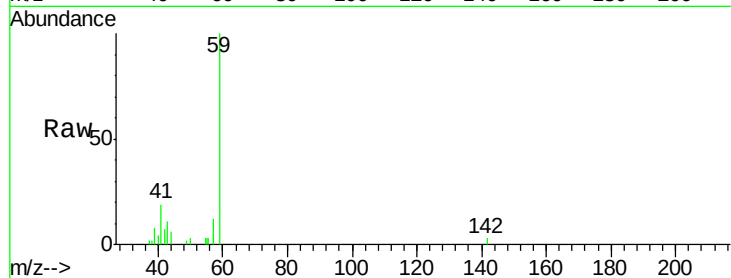


#11

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 :
VD0813SBSD01

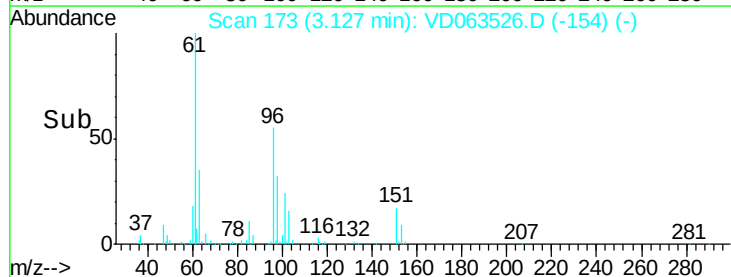
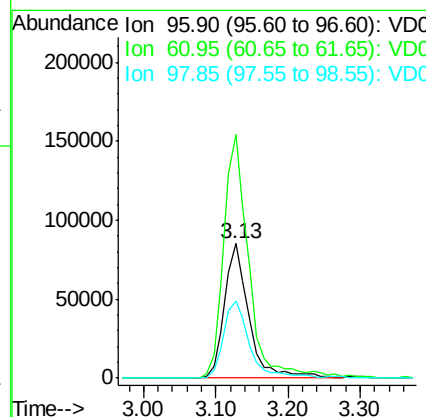
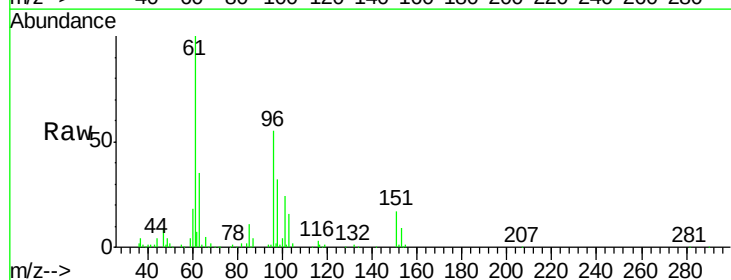
Tot Ion: 59 Resp: 56893
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1

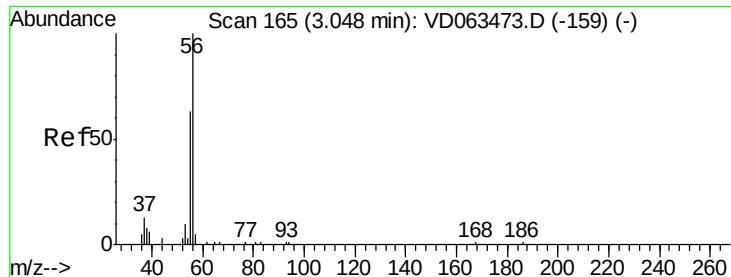


#12

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 :

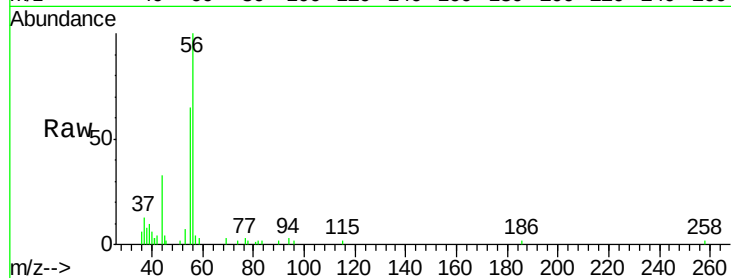
VD0813SBSD01

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

25000

20000

15000

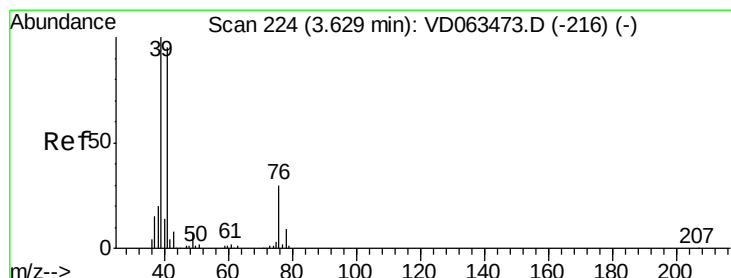
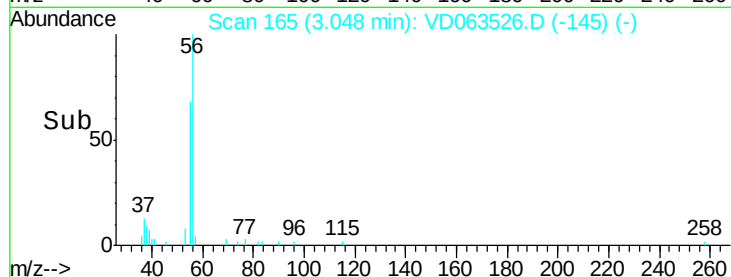
10000

5000

0

Time--> 2.90 3.00 3.10 3.20

3.05



#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

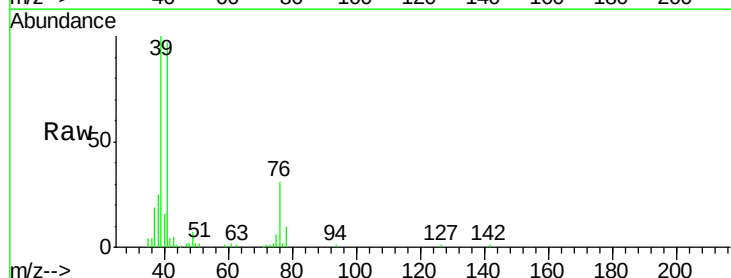
Tgt Ion: 41 Resp: 259519

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

120000

100000

80000

60000

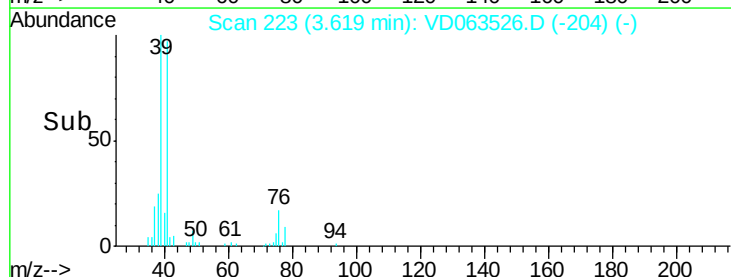
40000

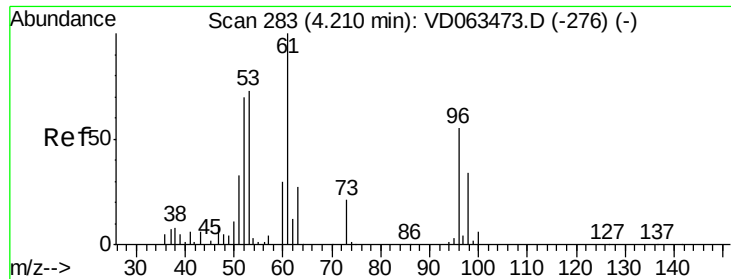
20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#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 :

VD0813SBSD01

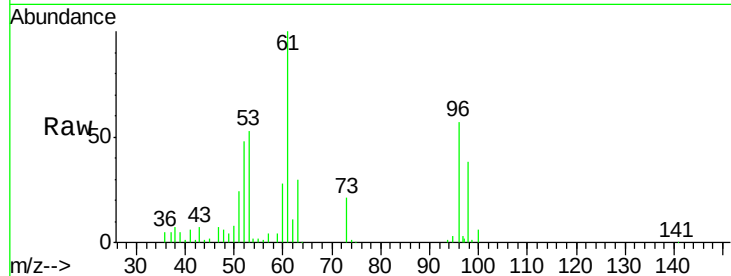
Tot Ion: 53 Resp: 146185

Ion Ratio Lower Upper

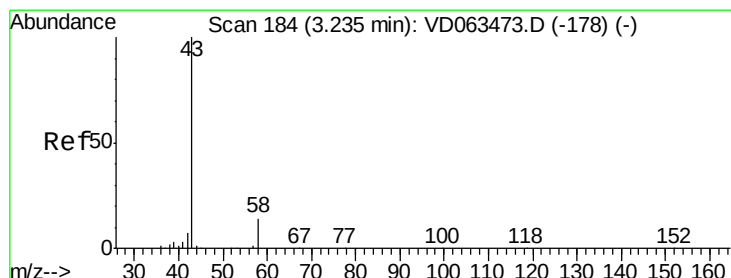
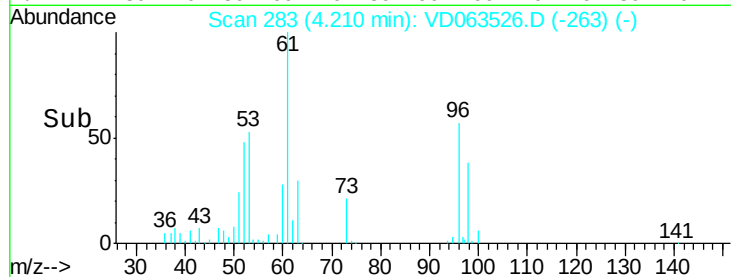
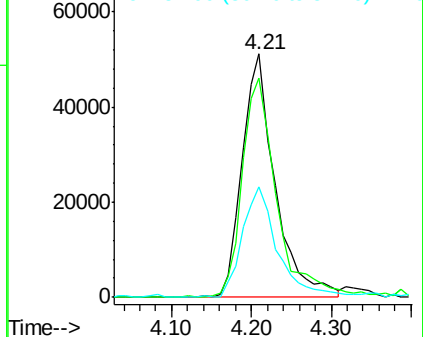
53 100

52 89.8 77.4 116.0

51 45.5 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 89.110 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063526.D

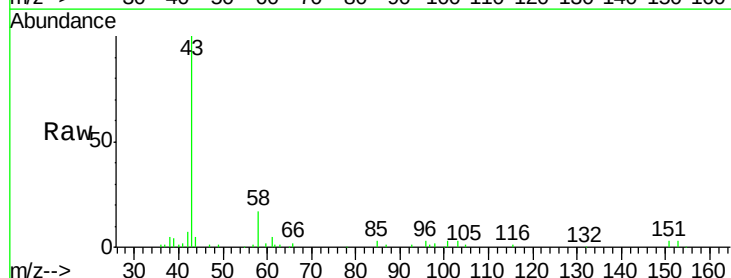
Acq: 13 Aug 2019 14:47

Tgt Ion: 43 Resp: 220371

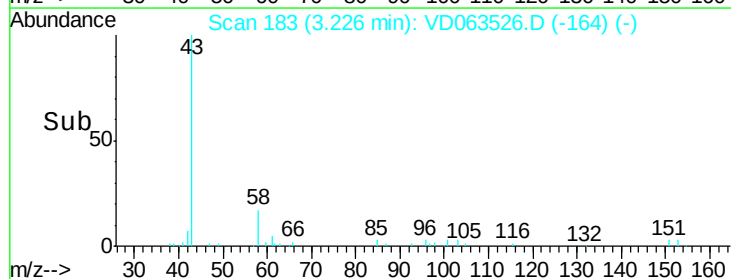
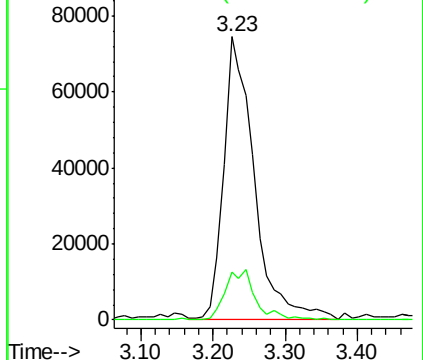
Ion Ratio Lower Upper

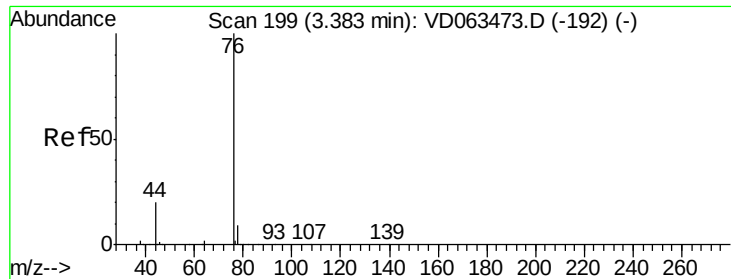
43 100

58 17.0 11.4 17.2



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





#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 :

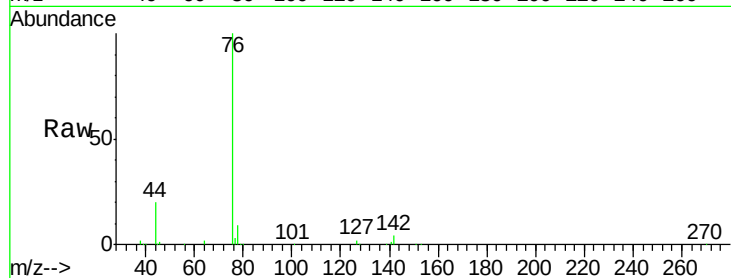
VD0813SBSD01

Tot Ion: 76 Resp: 568613

Ion Ratio Lower Upper

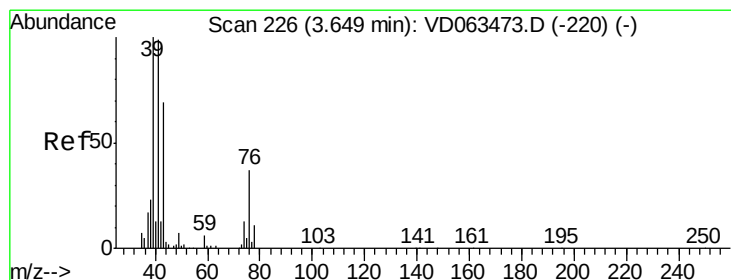
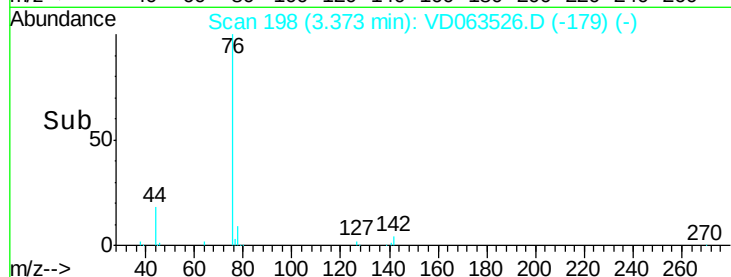
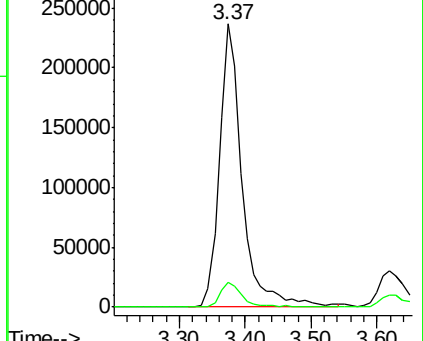
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.211 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD063526.D

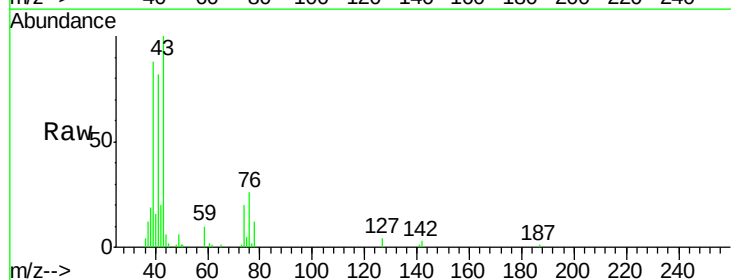
Acq: 13 Aug 2019 14:47

Tgt Ion: 43 Resp: 108726

Ion Ratio Lower Upper

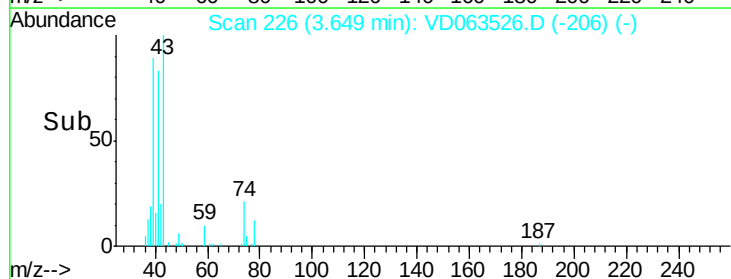
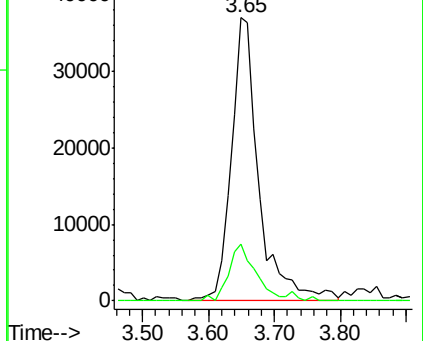
43 100

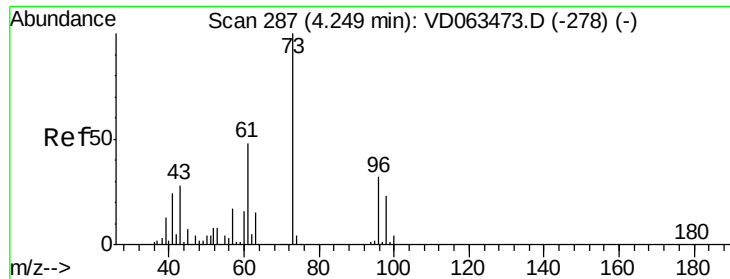
74 20.2 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

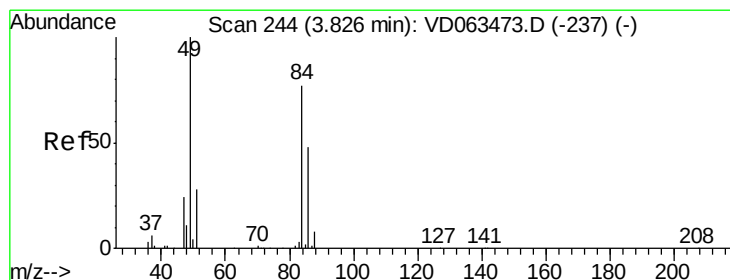
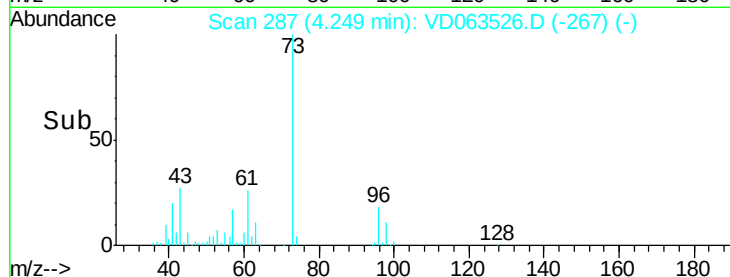
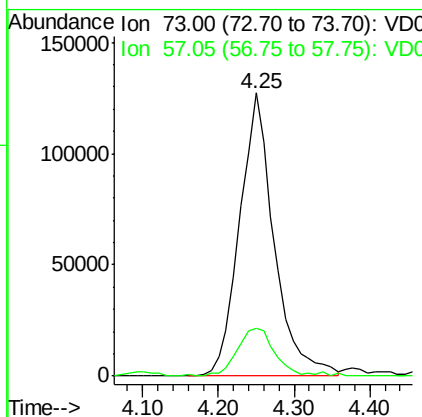
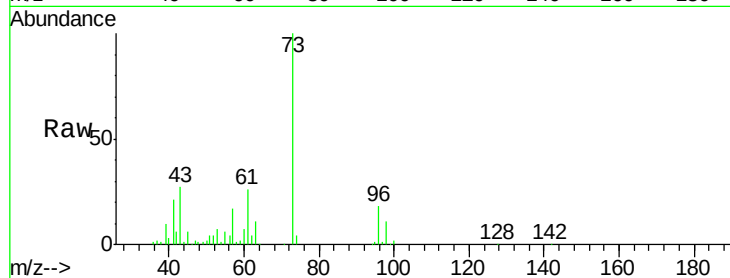




#19
Methvl tert-butvl Ether
Concen: 21.915 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

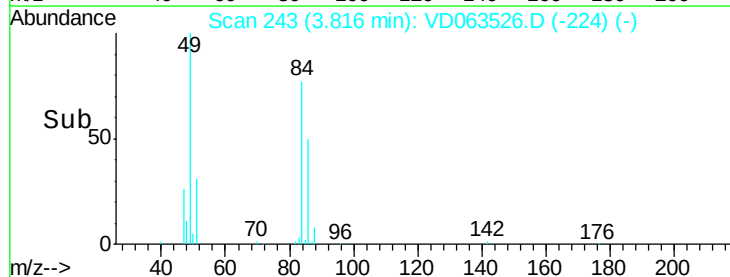
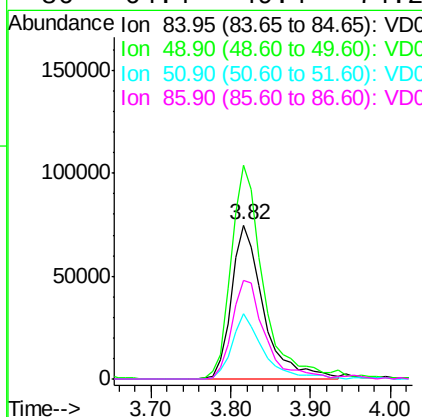
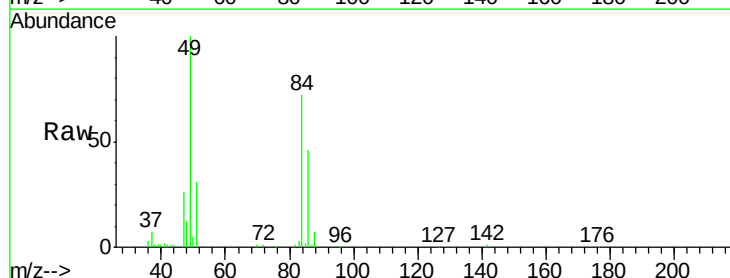
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

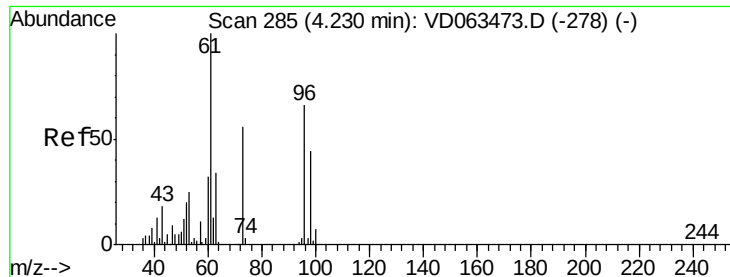
Tot Ion: 73 Resp: 403050
Ion Ratio Lower Upper
73 100
57 16.9 14.0 21.0



#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 :

VD0813SBSD01

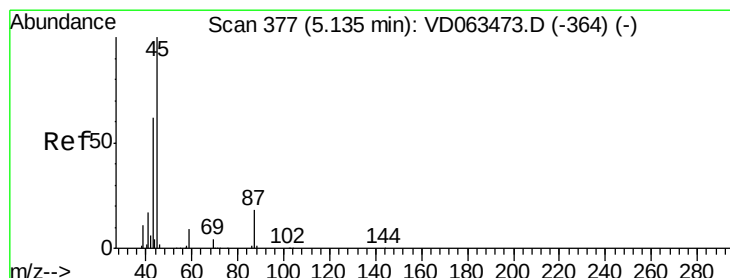
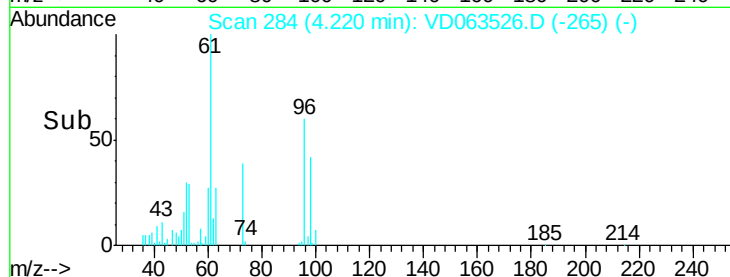
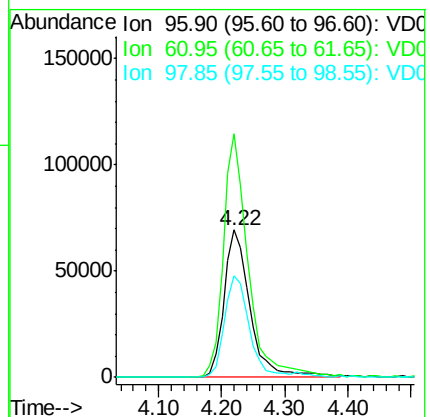
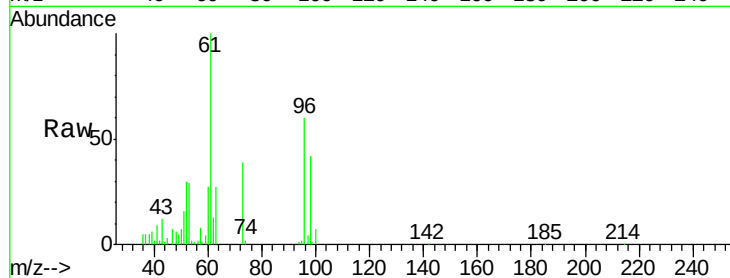
Tot Ion: 96 Resp: 199526

Ion Ratio Lower Upper

96 100

61 165.3 121.7 182.5

98 68.7 54.2 81.2



#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

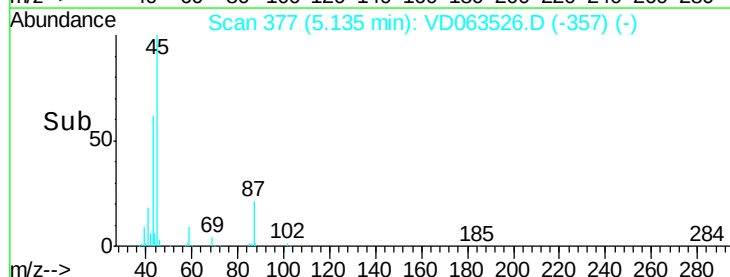
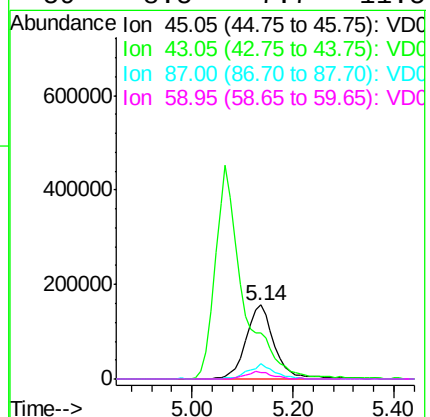
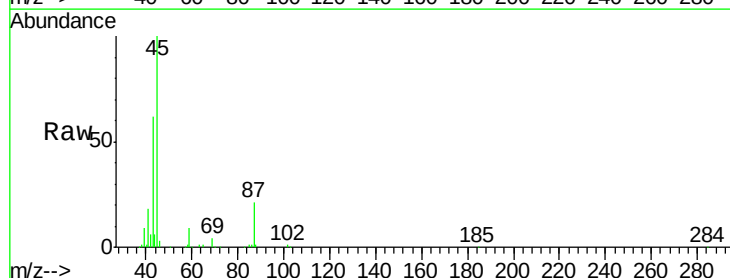
Ion Ratio Lower Upper

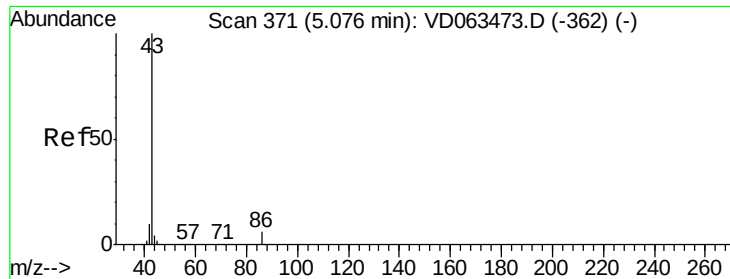
45 100

43 61.7 50.3 75.5

87 21.1 14.3 21.5

59 8.5 7.7 11.5





#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

ClientSampleId :

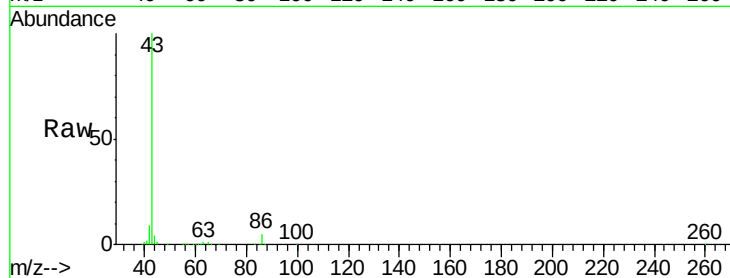
VD0813SBSD01

Tot Ion: 43 Resp: 1729303

Ion Ratio Lower Upper

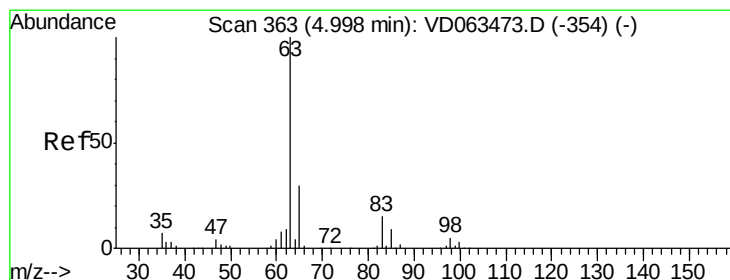
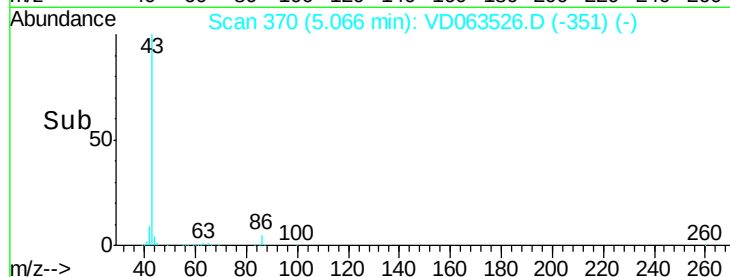
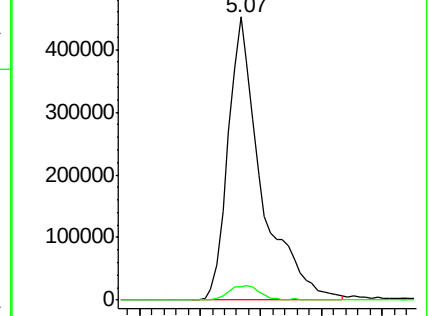
43 100

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



#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

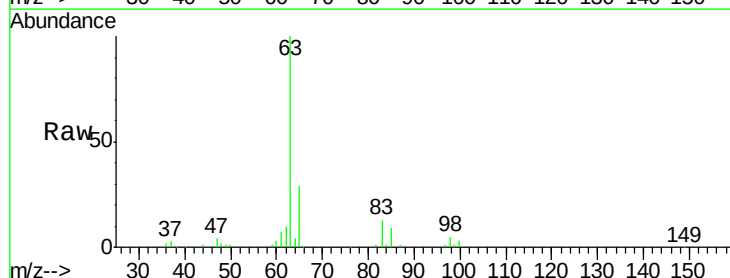
Tgt Ion: 63 Resp: 374237

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

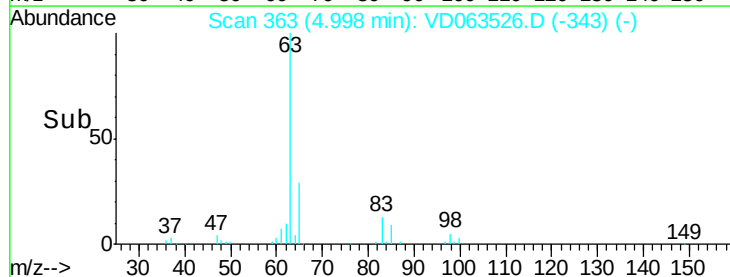
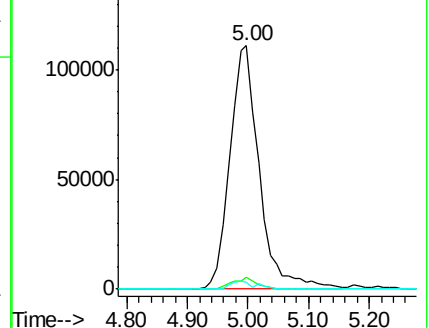
100 2.6 1.3 3.8

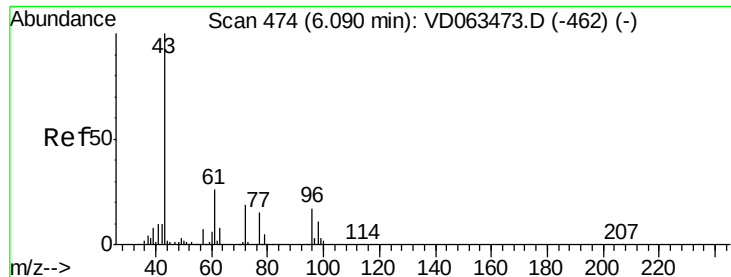


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#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 :

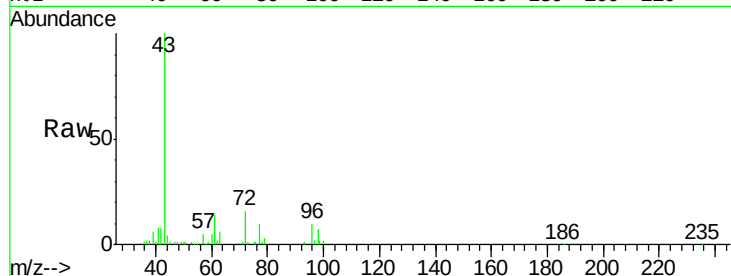
VD0813SBSD01

Tot Ion: 43 Resp: 269655

Ion Ratio Lower Upper

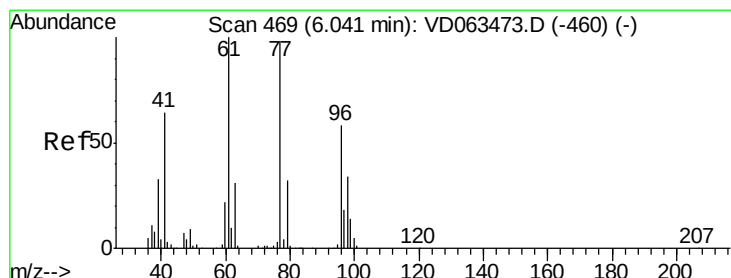
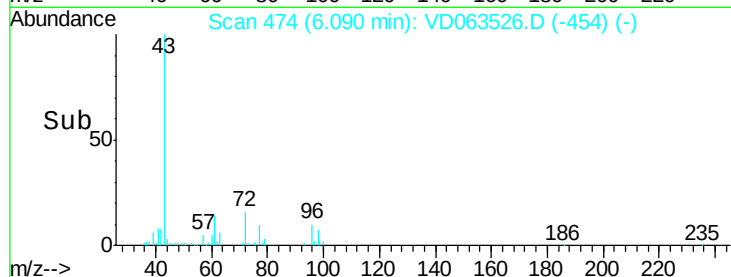
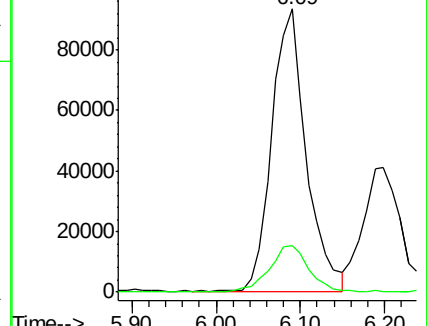
43 100

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

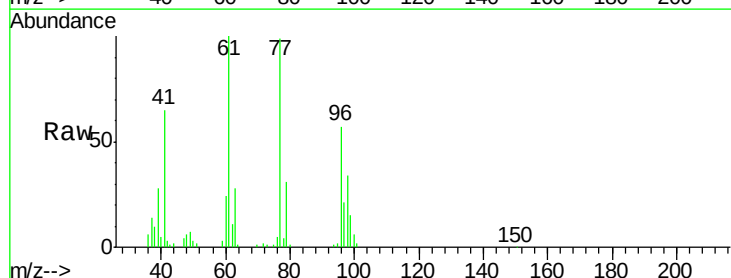
Acq: 13 Aug 2019 14:47

Tgt Ion: 77 Resp: 343755

Ion Ratio Lower Upper

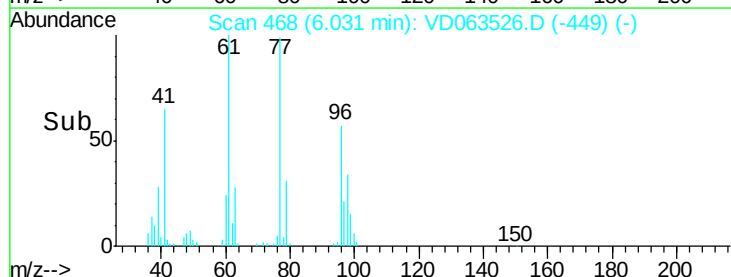
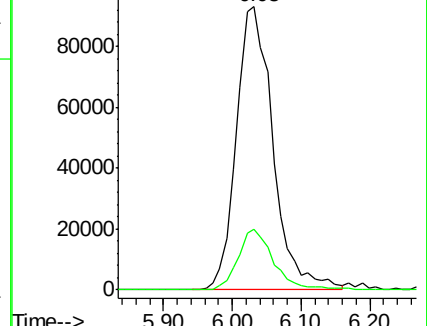
77 100

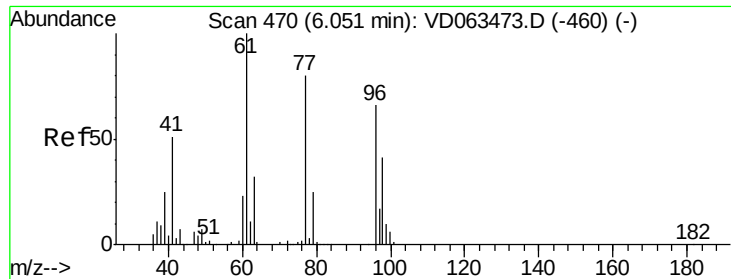
97 21.6 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



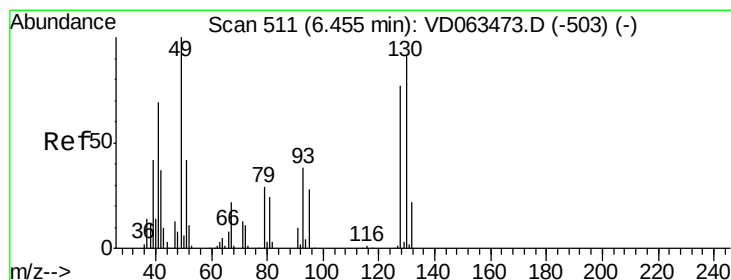
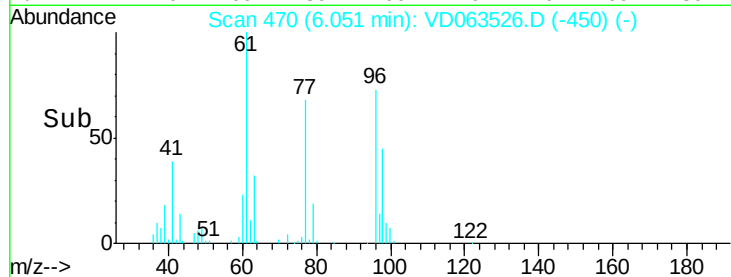
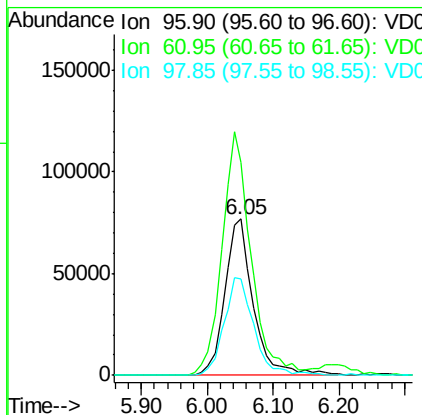
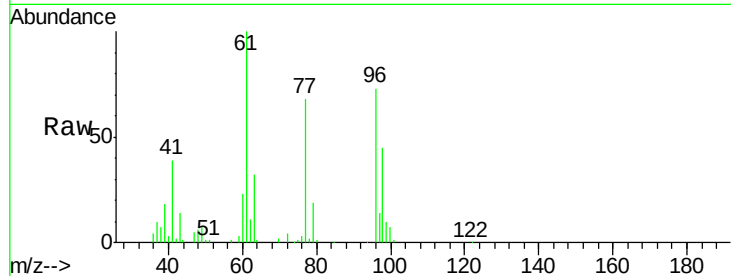


#27

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 :
 VD0813SBSD01

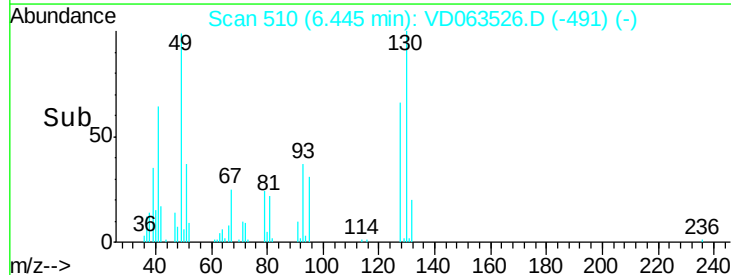
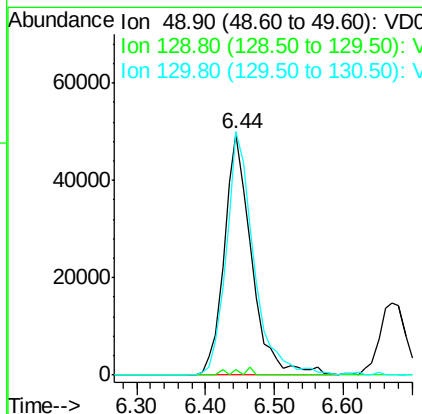
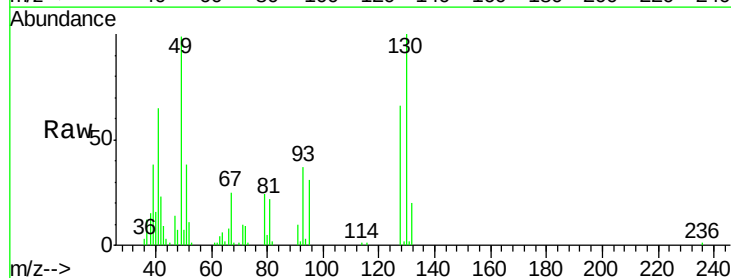
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	304.0
98	61.9	0.0	124.8

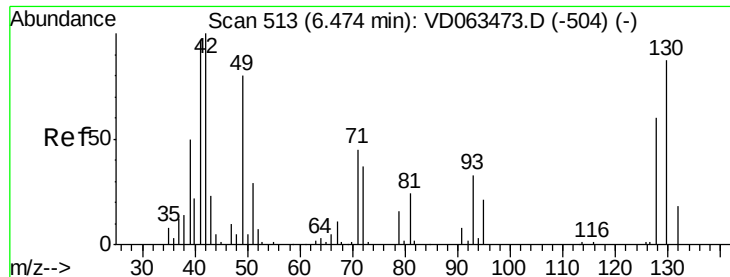


#28

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 :

VD0813SBS01

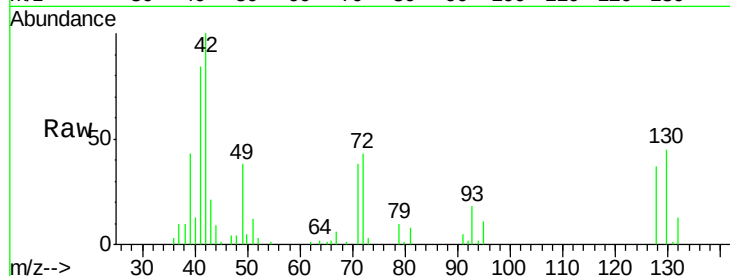
Tot Ion: 42 Resp: 122462

Ion Ratio Lower Upper

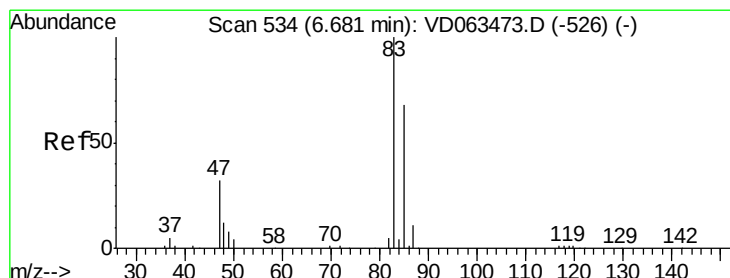
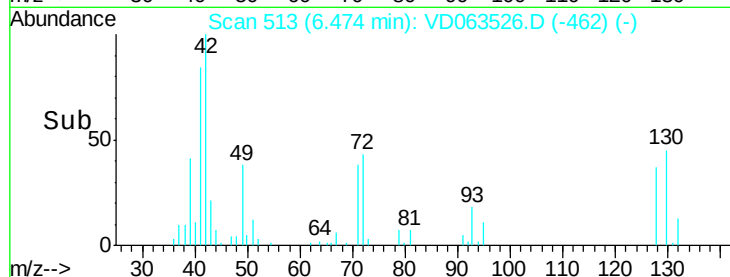
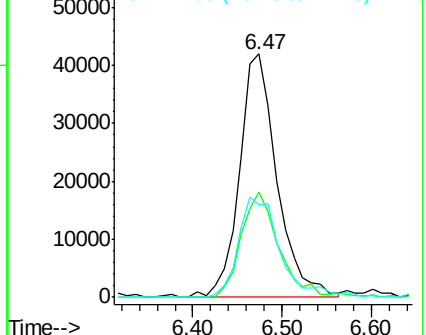
42 100

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

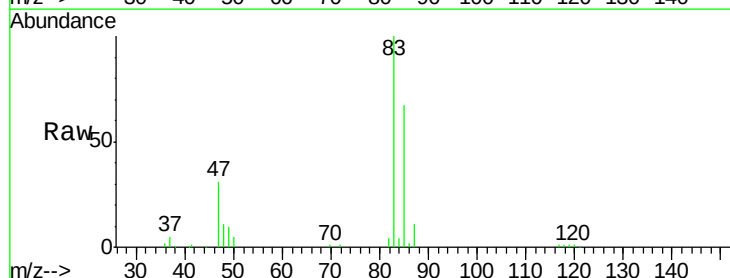
Acq: 13 Aug 2019 14:47

Tgt Ion: 83 Resp: 438651

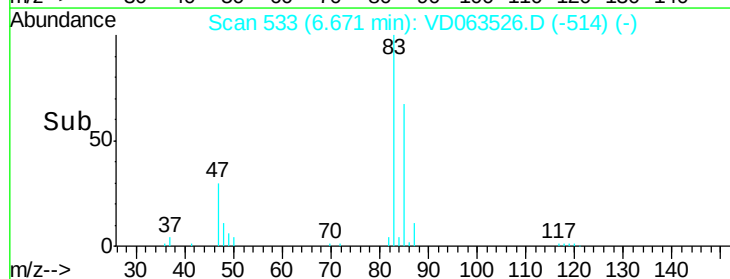
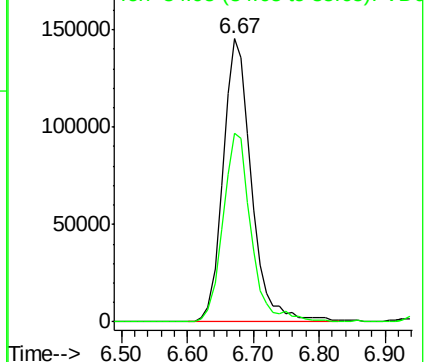
Ion Ratio Lower Upper

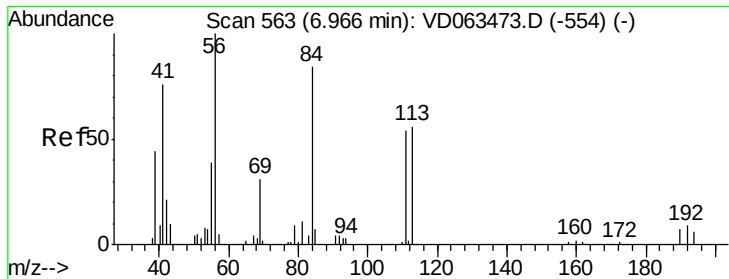
83 100

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

ClientSampleId :

VD0813SBSD01

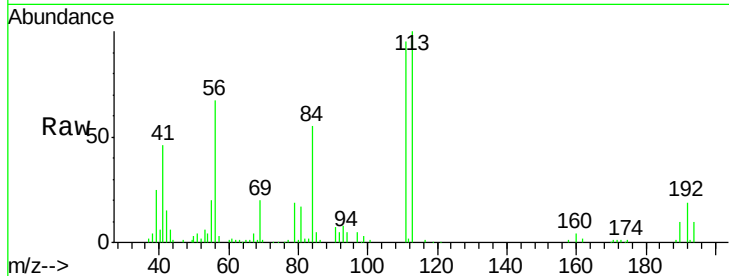
Tot Ion: 56 Resp: 228361

Ion Ratio Lower Upper

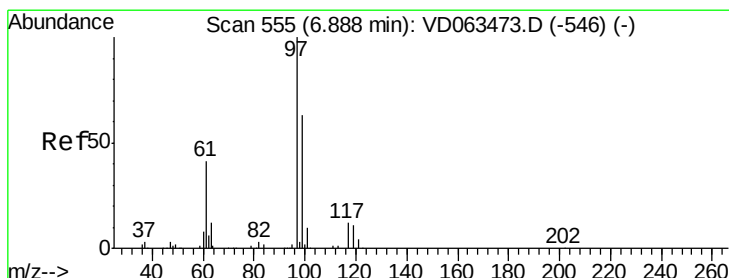
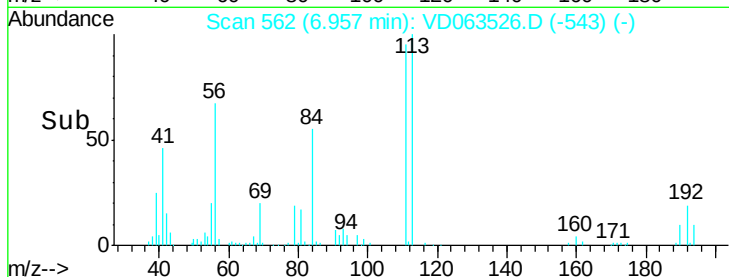
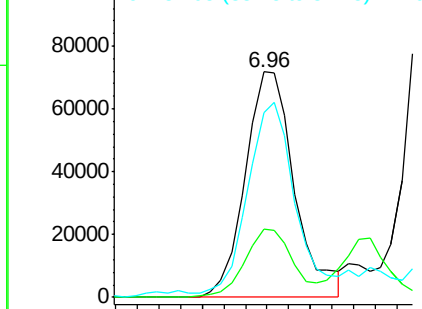
56 100

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

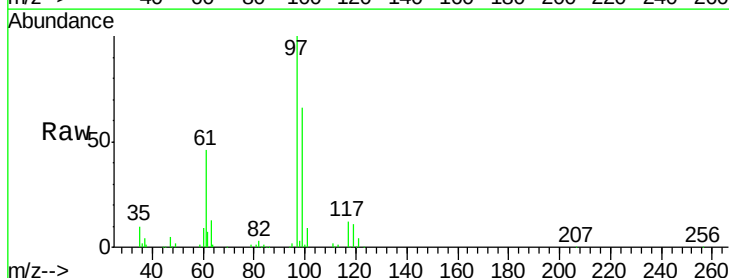
Tgt Ion: 97 Resp: 412370

Ion Ratio Lower Upper

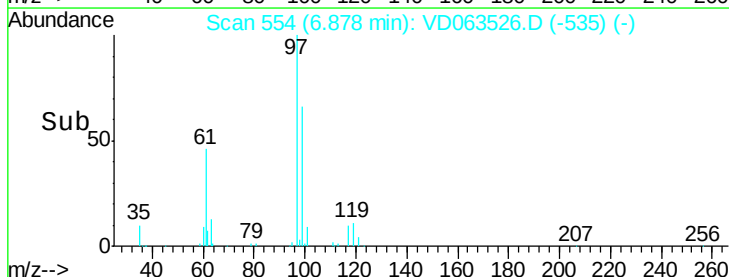
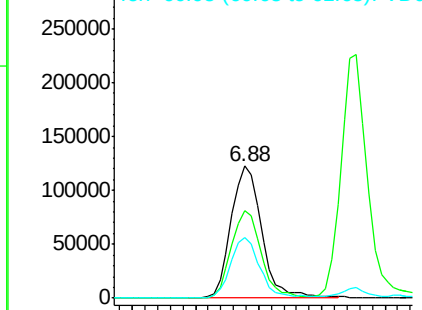
97 100

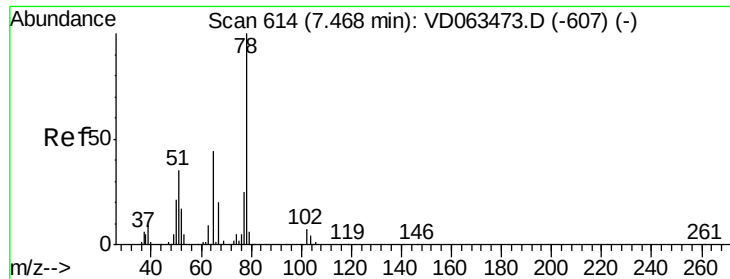
99 66.1 50.2 75.4

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

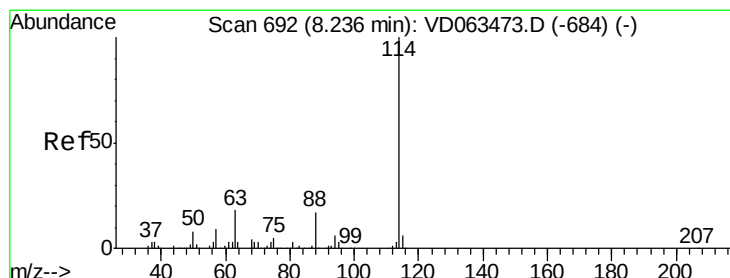
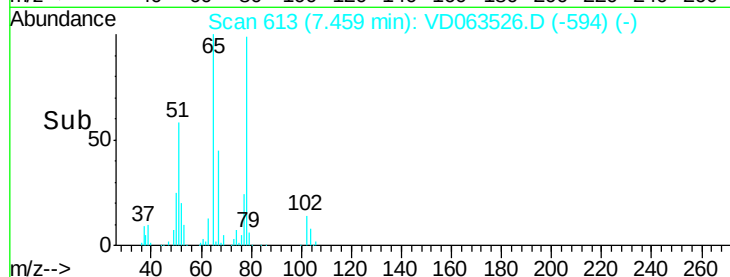
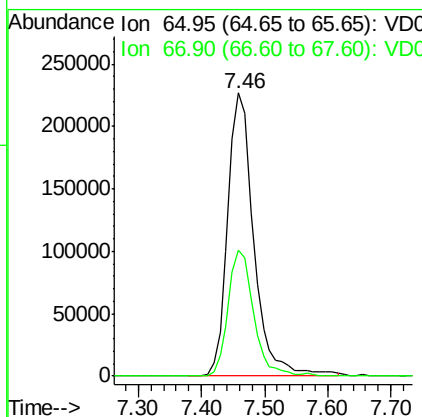
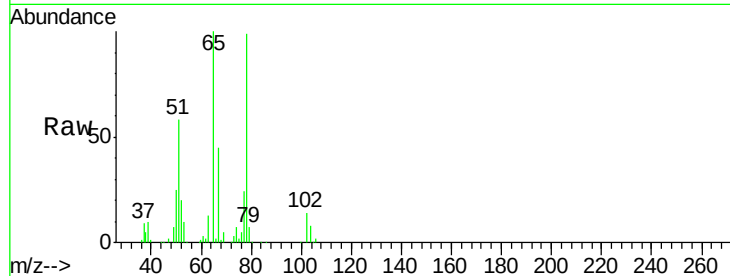




#33
 1,2-Dichloroethane-d4
 Concen: 53.312 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

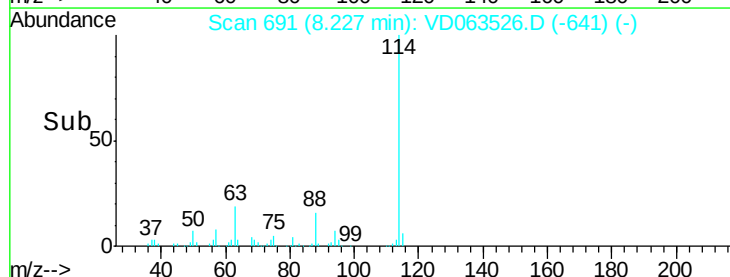
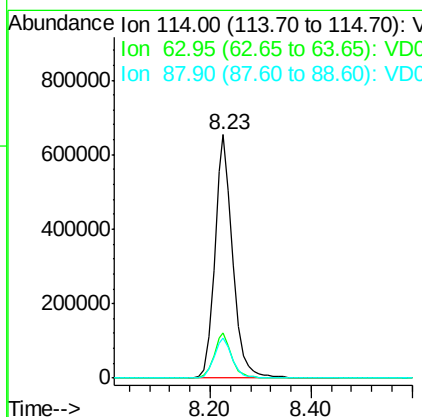
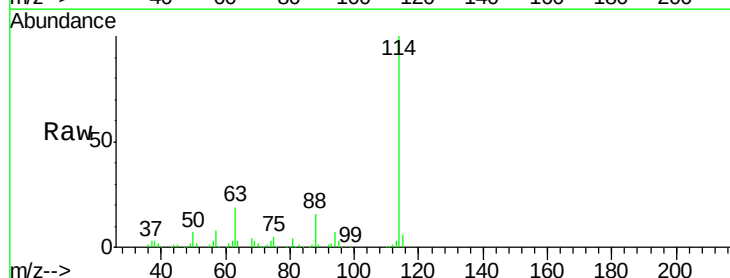
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

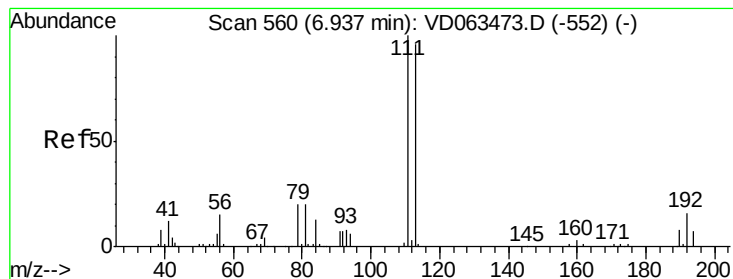
Tot Ion: 65 Resp: 648567
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 89.2



#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





#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 :

VD0813SBSD01

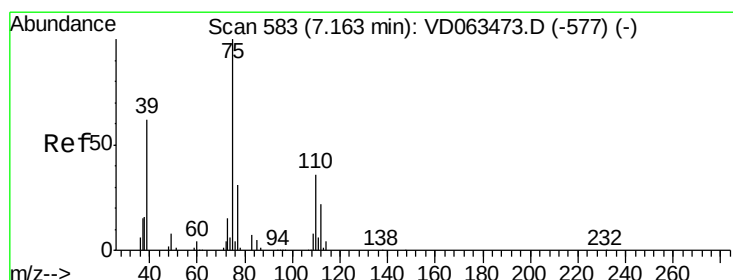
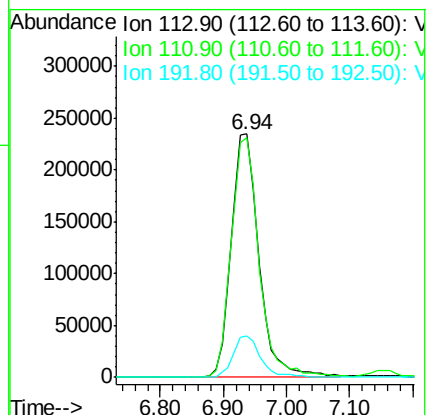
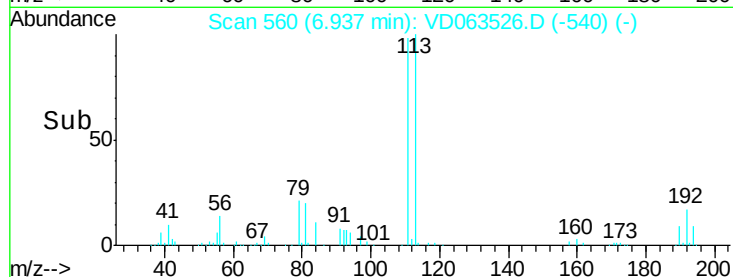
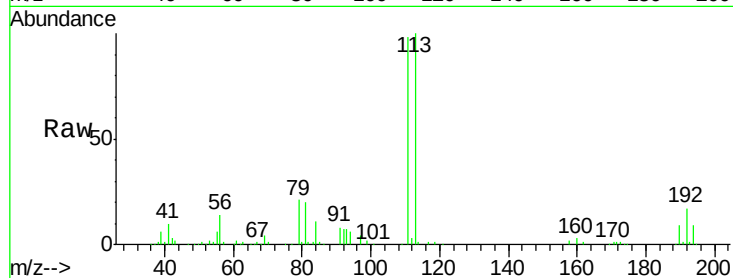
Tot Ion:113 Resp: 710214

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

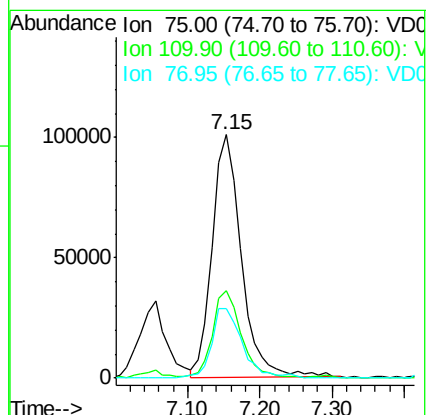
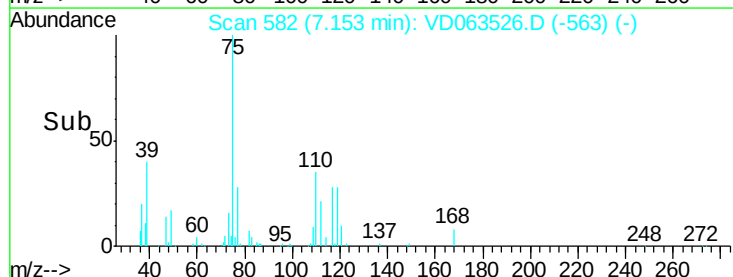
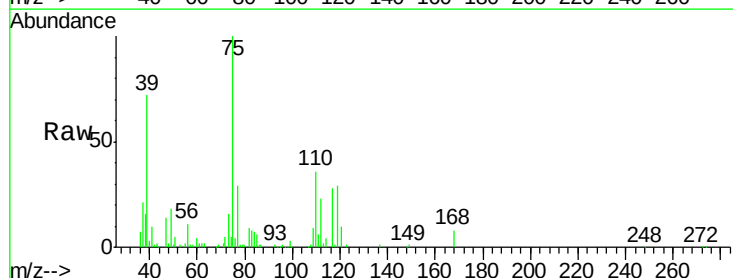
Tgt Ion: 75 Resp: 281971

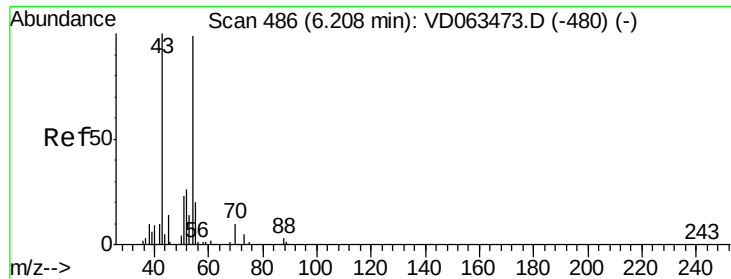
Ion Ratio Lower Upper

75 100

110 36.0 17.6 52.8

77 28.7 24.3 36.5

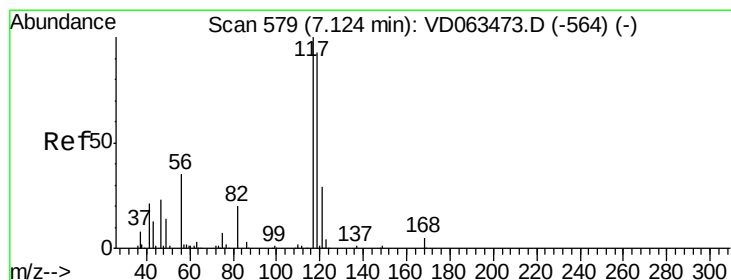
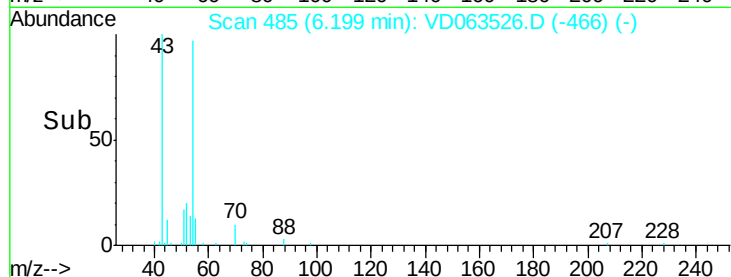
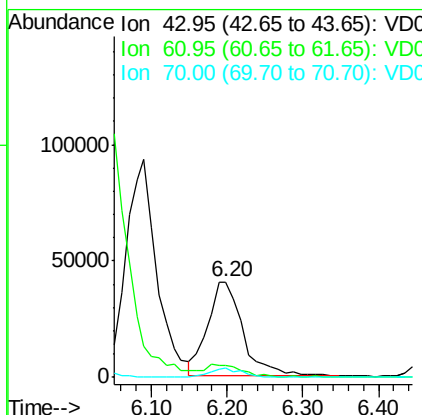
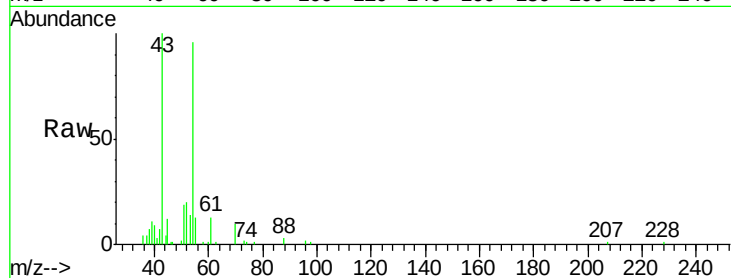




#37
Ethyl Acetate
Concen: 21.436 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

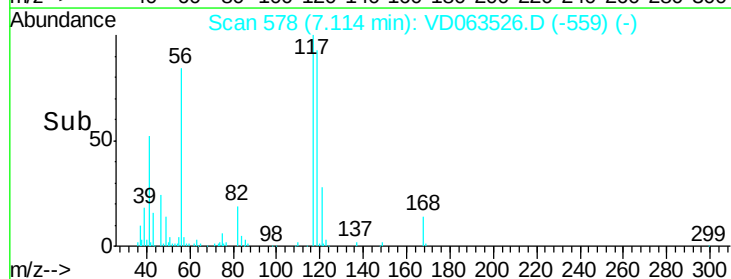
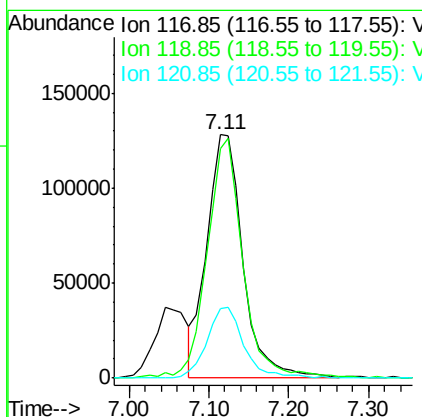
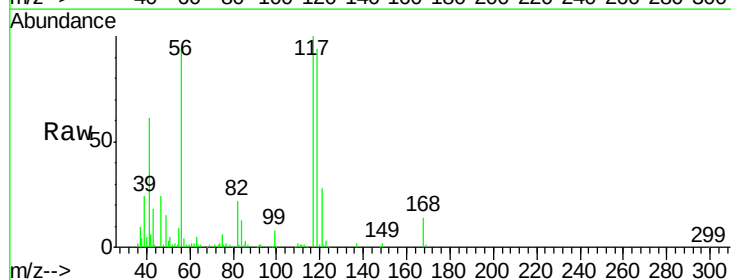
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

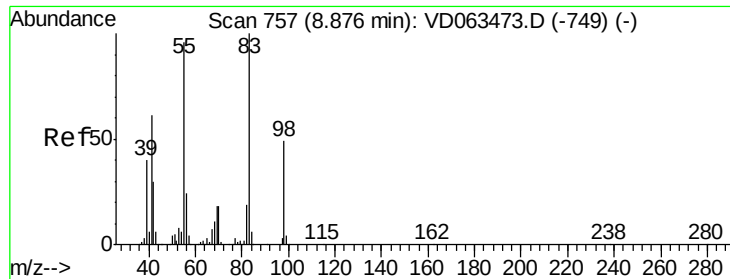
Tot Ion: 43 Resp: 129262
Ion Ratio Lower Upper
43 100
61 12.7 9.0 13.6
70 9.6 6.9 10.3



#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

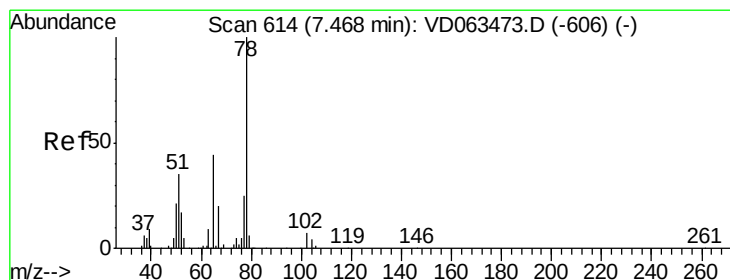
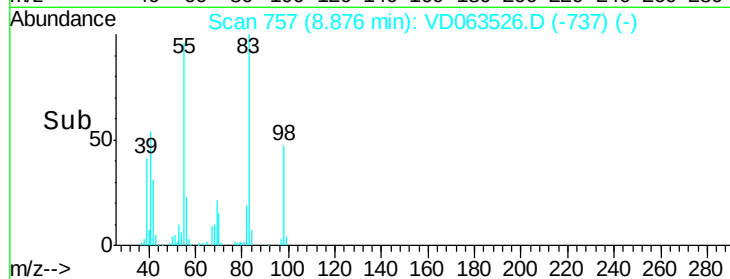
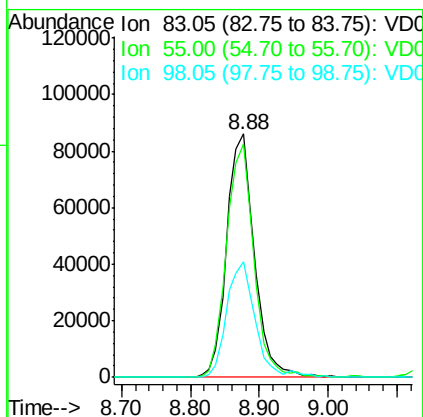
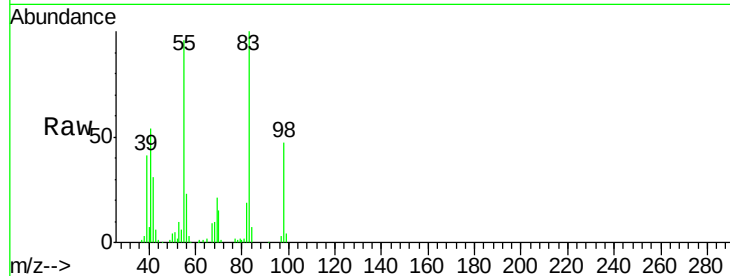




#39
Methylvlcyclohexane
Concen: 19.604 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

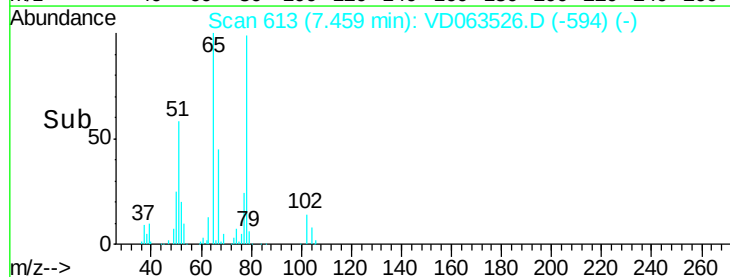
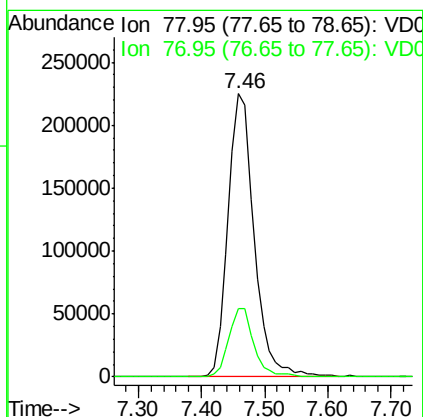
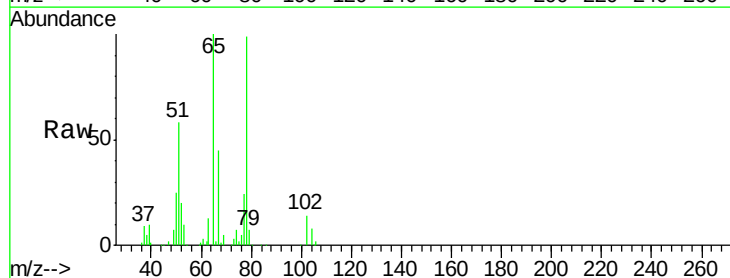
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

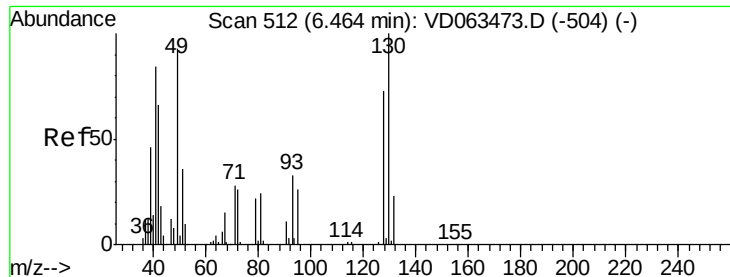
Tot Ion: 83 Resp: 239885
Ion Ratio Lower Upper
83 100
55 95.7 76.6 114.8
98 47.4 39.4 59.0



#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





#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 :

VD0813SBS01

Tot Ion: 41 Resp: 159269

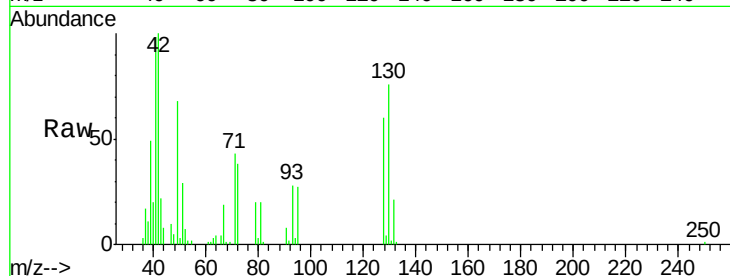
Ion Ratio Lower Upper

41 100

39 49.9 44.6 66.8

67 19.7 14.4 21.6

52 7.5 9.3 13.9#

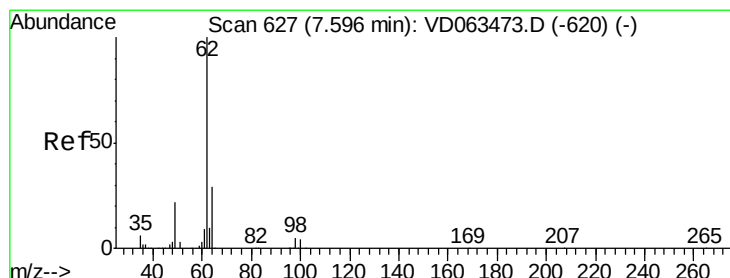
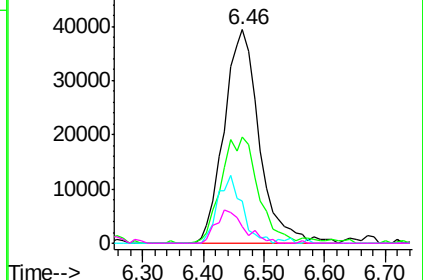
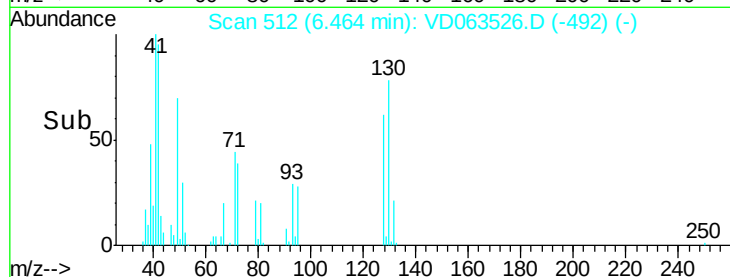


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.449 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063526.D

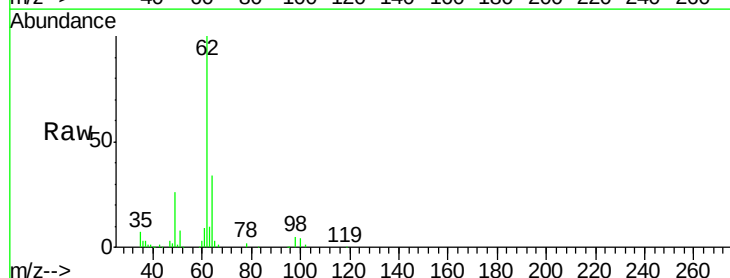
Acq: 13 Aug 2019 14:47

Tgt Ion: 62 Resp: 325630

Ion Ratio Lower Upper

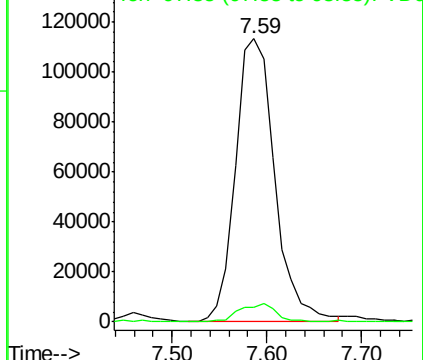
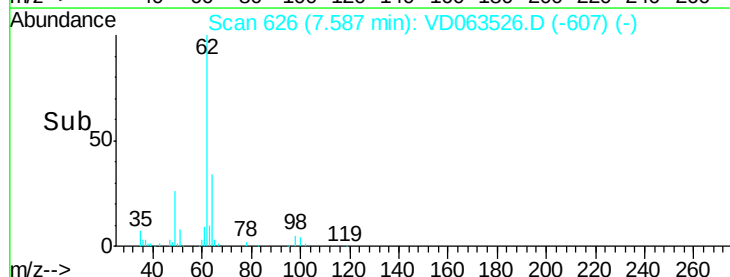
62 100

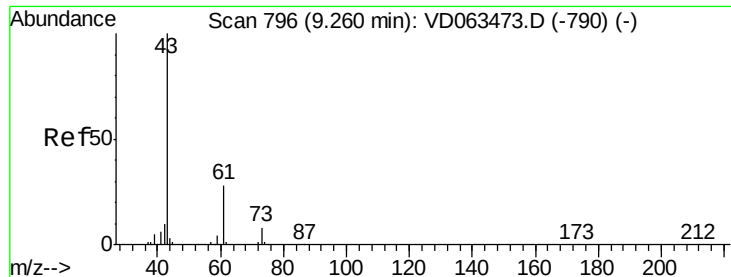
98 5.3 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#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 :

VD0813SBSD01

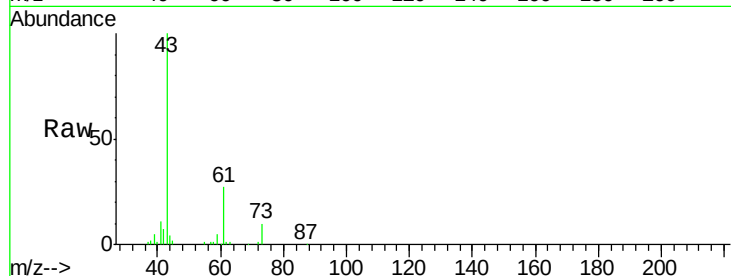
Tot Ion: 43 Resp: 175937

Ion Ratio Lower Upper

43 100

61 26.6 22.2 33.2

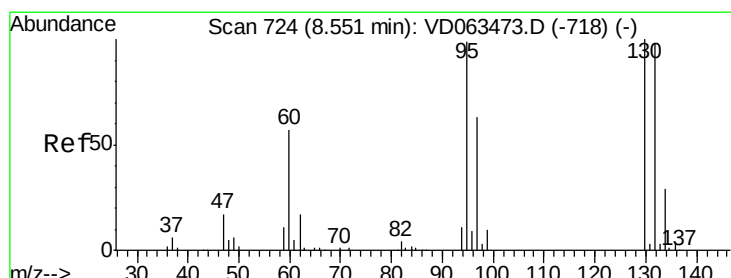
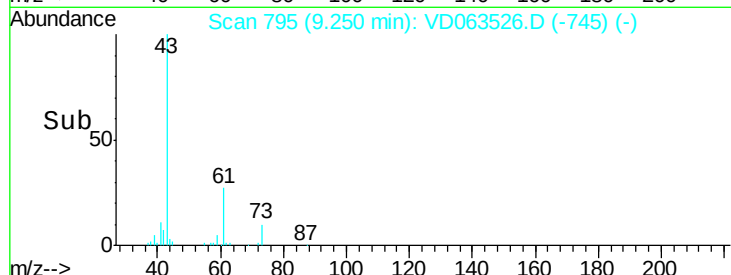
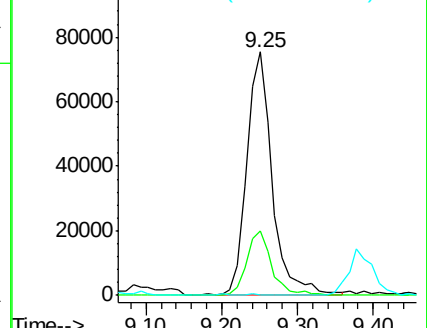
87 0.4 0.2 0.4#



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

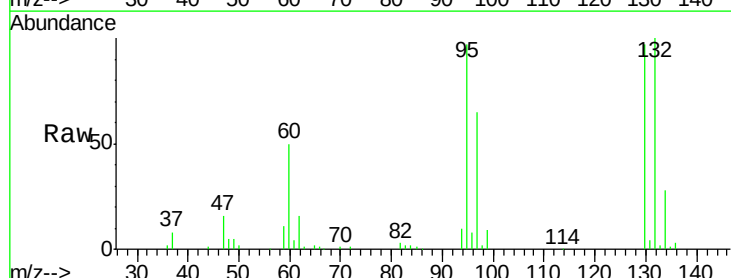
Acq: 13 Aug 2019 14:47

Tgt Ion:130 Resp: 242705

Ion Ratio Lower Upper

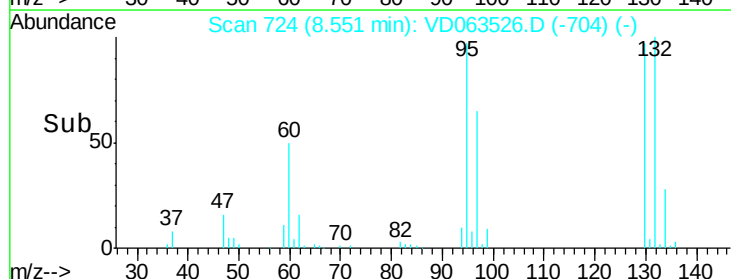
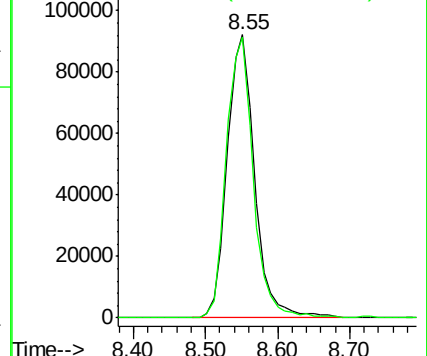
130 100

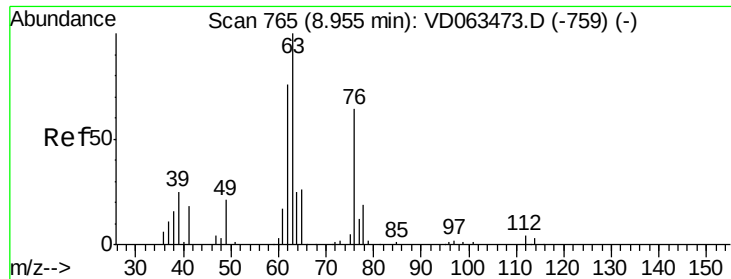
95 99.4 0.0 198.0



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

ClientSampleId :

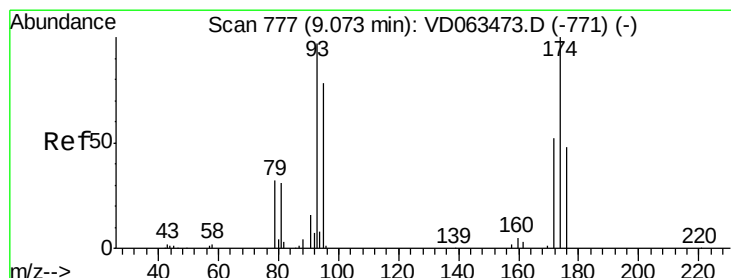
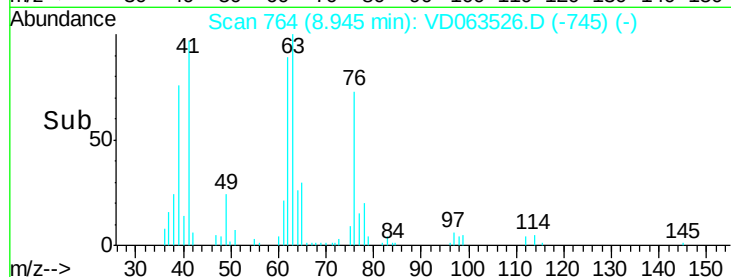
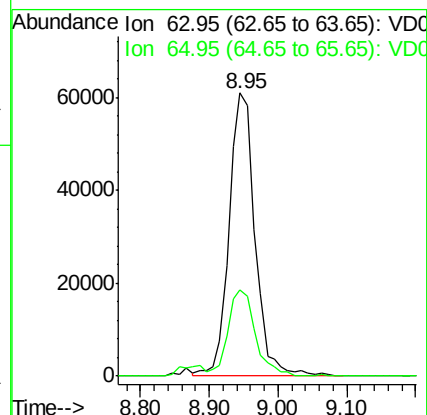
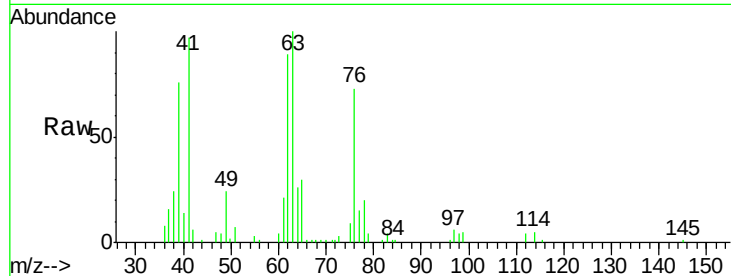
VD0813SBS01

Tot Ion: 63 Resp: 159126

Ion Ratio Lower Upper

63 100

65 30.4 22.5 33.7



#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

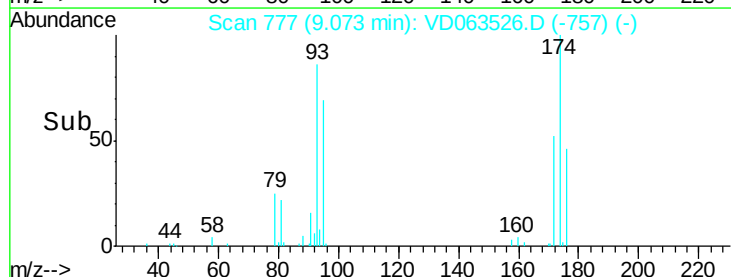
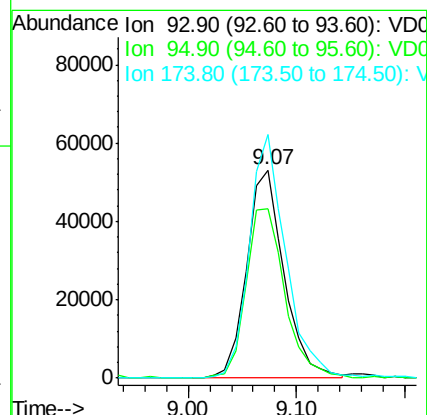
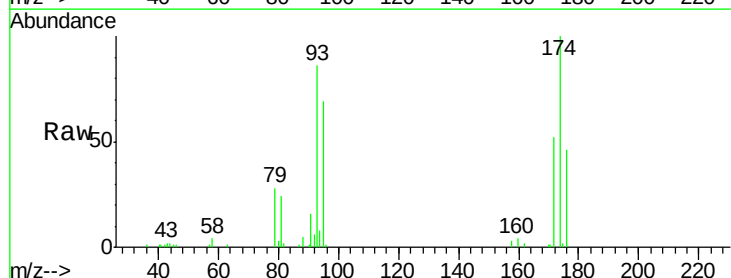
Tgt Ion: 93 Resp: 127747

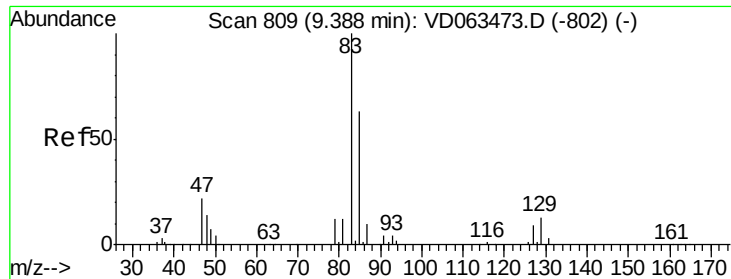
Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.2

174 116.9 82.1 123.1





#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 :

VD0813SBSD01

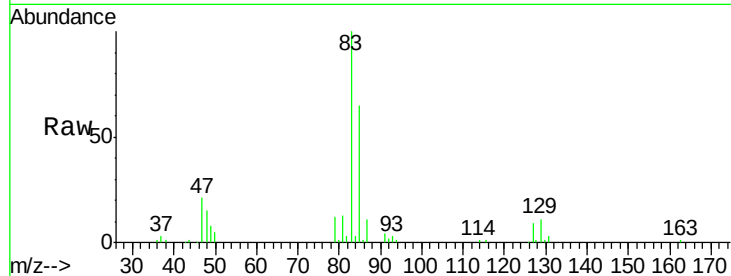
Tot Ion: 83 Resp: 326336

Ion Ratio Lower Upper

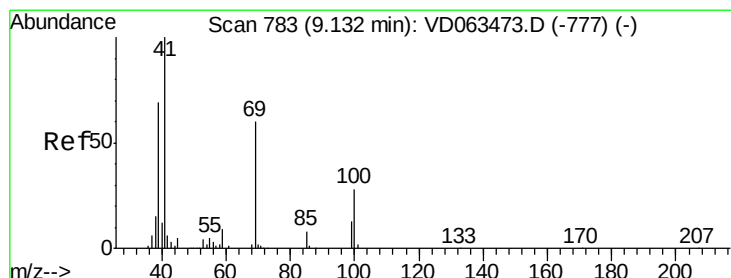
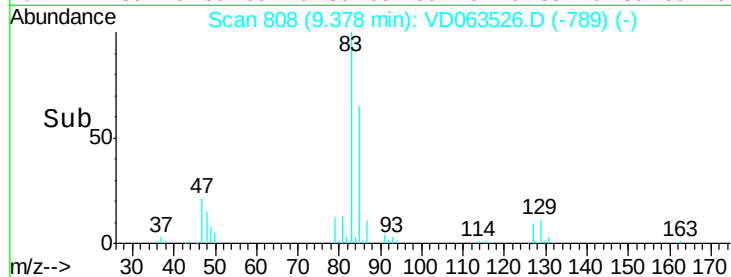
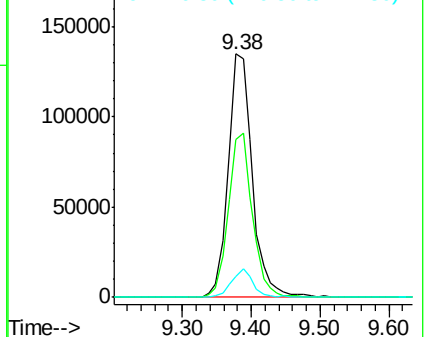
83 100

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

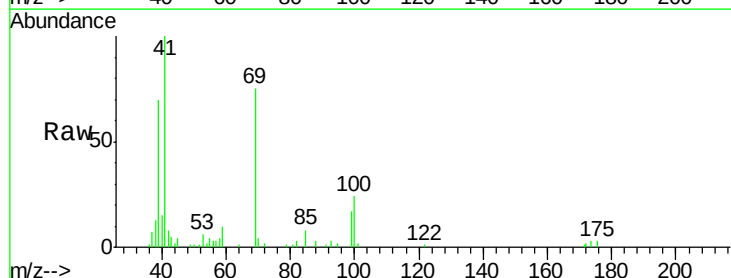
Tgt Ion: 41 Resp: 110059

Ion Ratio Lower Upper

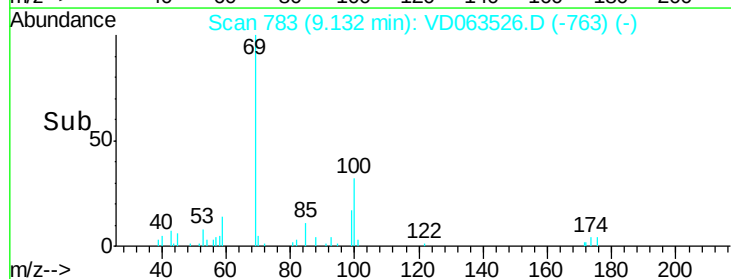
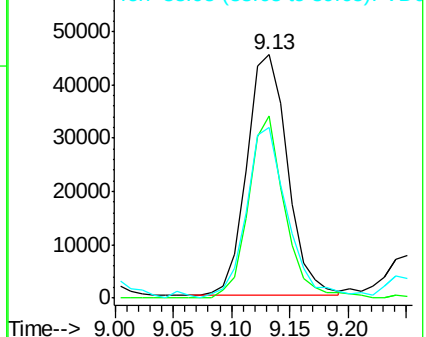
41 100

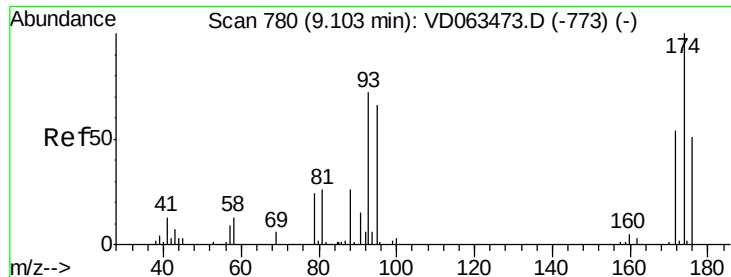
69 74.6 47.6 71.4#

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

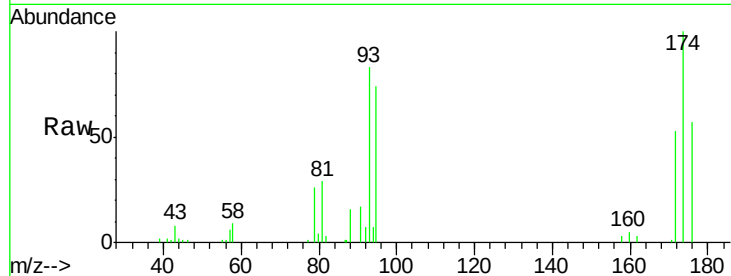




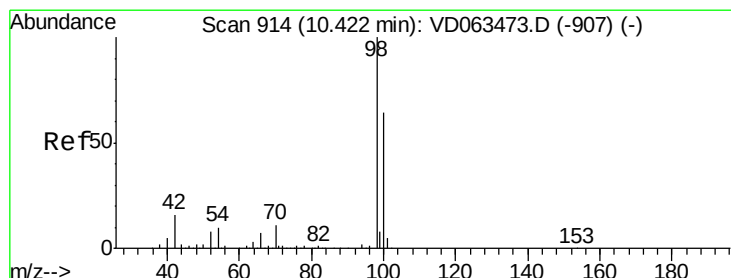
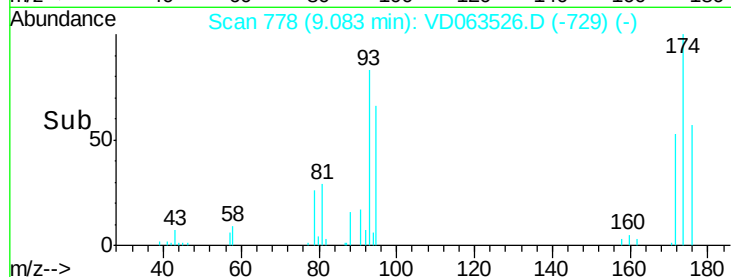
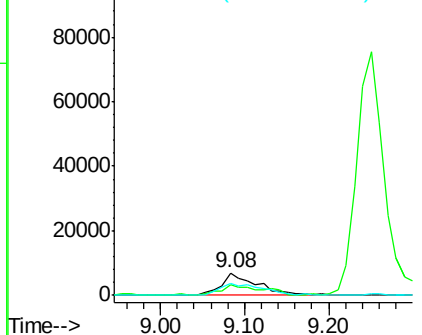
#49
1,4-Dioxane
Concen: 434.469 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

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

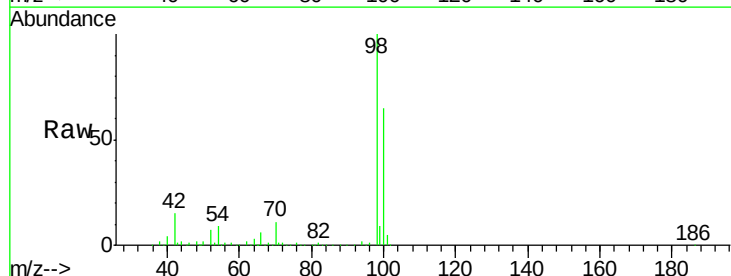


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

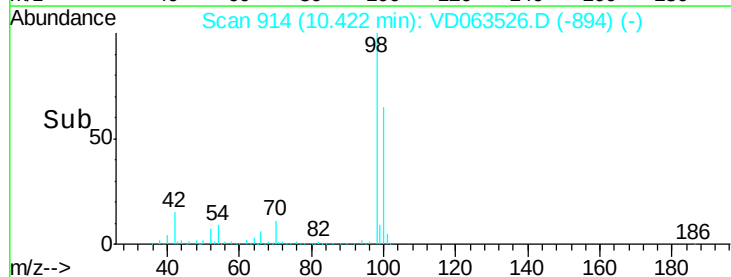
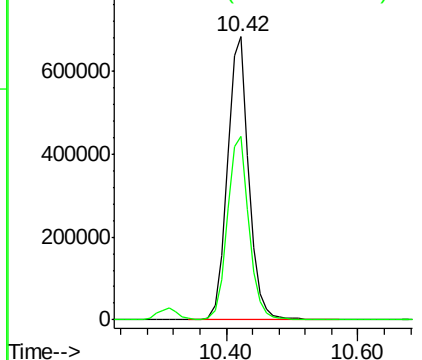


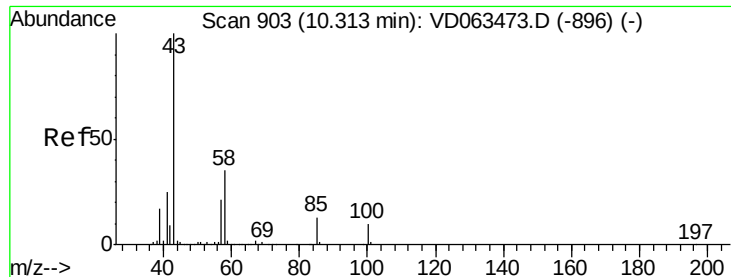
#50
Toluene-d8
Concen: 51.348 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

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

ClientSampleId :

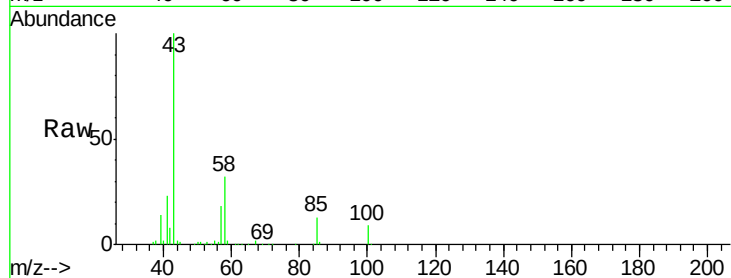
VD0813SBS01

Tot Ion: 43 Resp: 595000

Ion Ratio Lower Upper

43 100

58 32.2 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

250000

200000

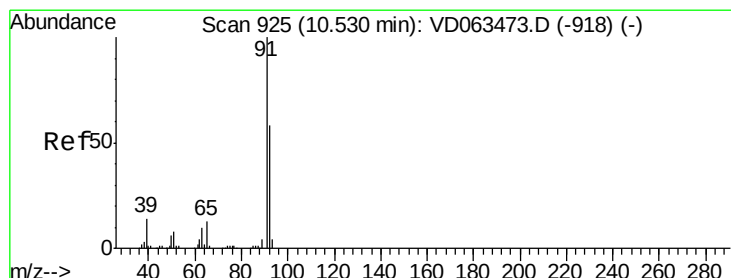
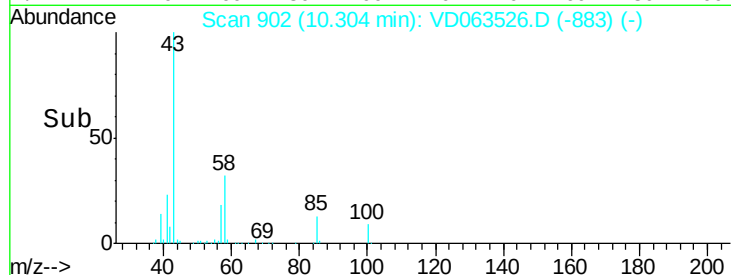
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.372 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD063526.D

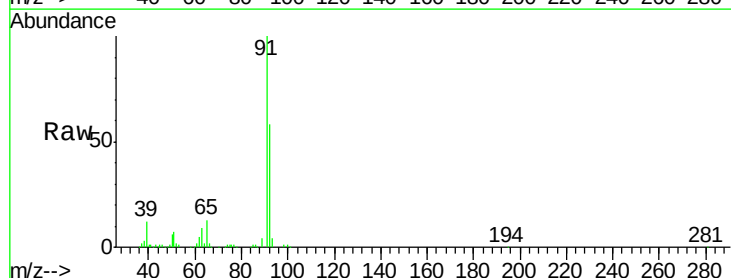
Acq: 13 Aug 2019 14:47

Tgt Ion: 92 Resp: 395145

Ion Ratio Lower Upper

92 100

91 173.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

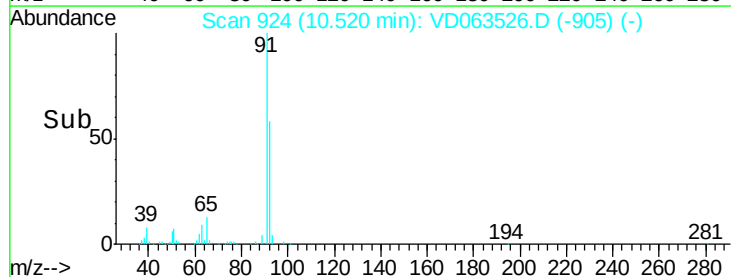
300000

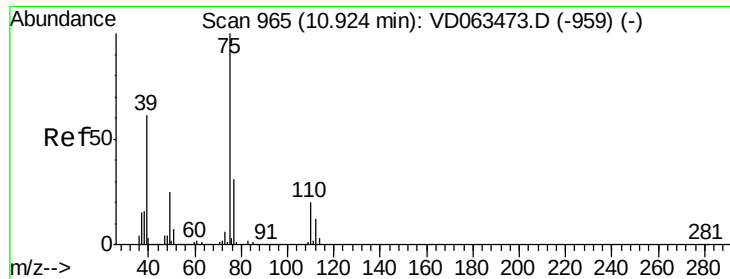
200000

100000

0

Time-->

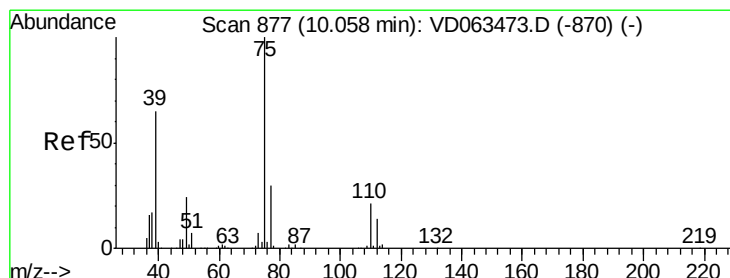
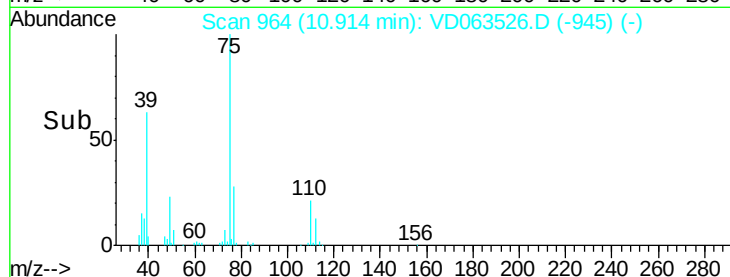
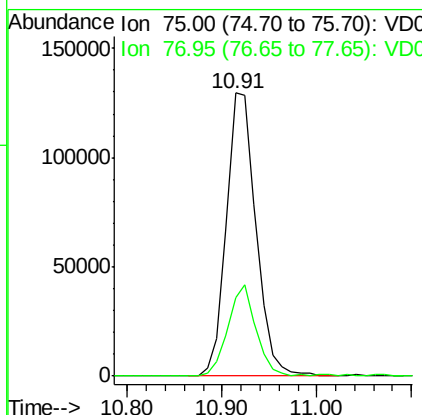
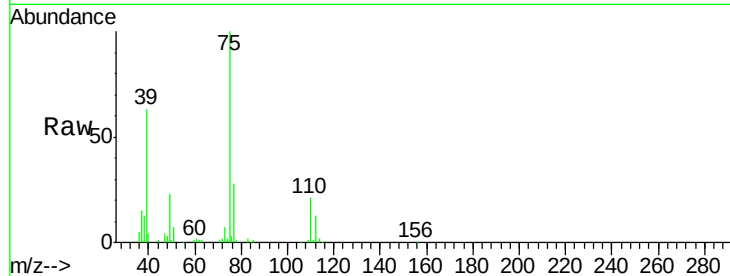




#53
 t-1,3-Dichloropropene
 Concen: 21.337 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

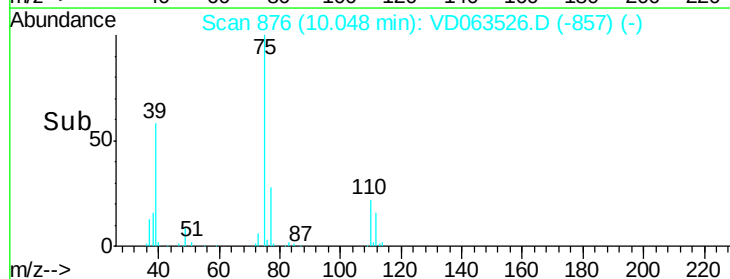
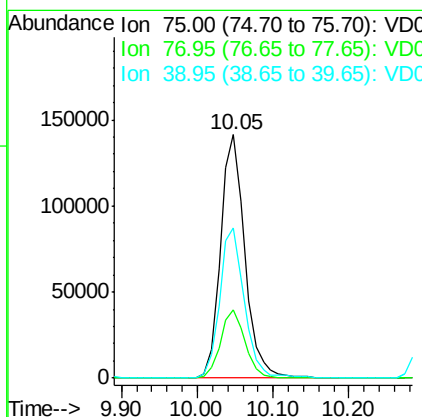
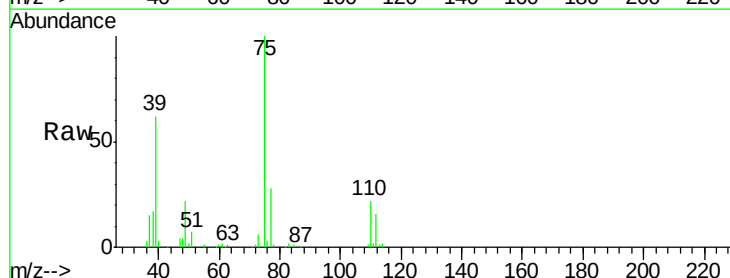
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

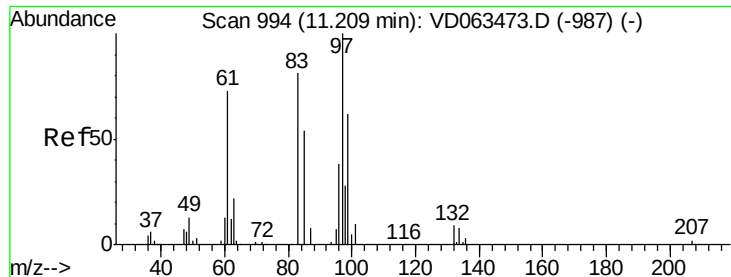
Tot Ion: 75 Resp: 281311
 Ion Ratio Lower Upper
 75 100
 77 27.7 24.5 36.7



#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





#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 :

VD0813SBSD01

Tot Ion: 97 Resp: 132176

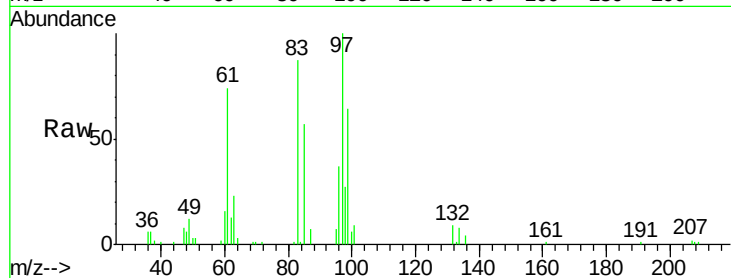
Ion Ratio Lower Upper

97 100

83 87.1 64.7 97.1

85 57.3 42.9 64.3

99 63.8 49.7 74.5

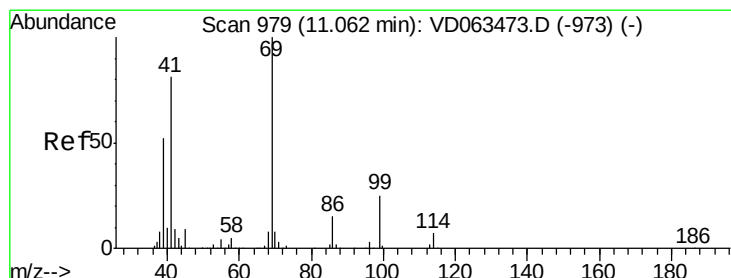
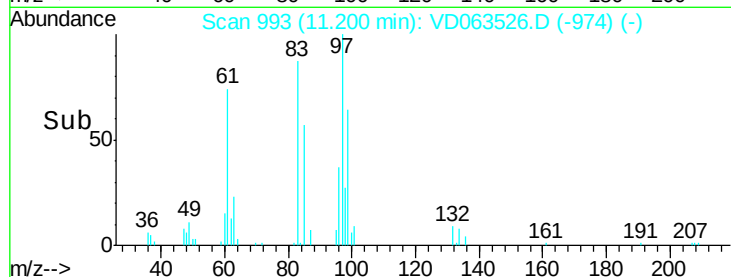
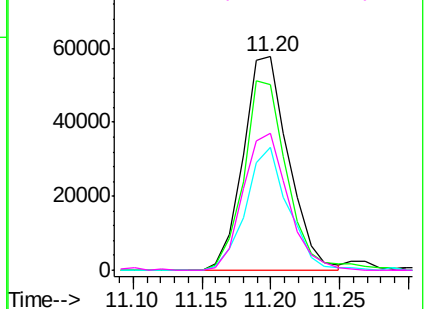


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

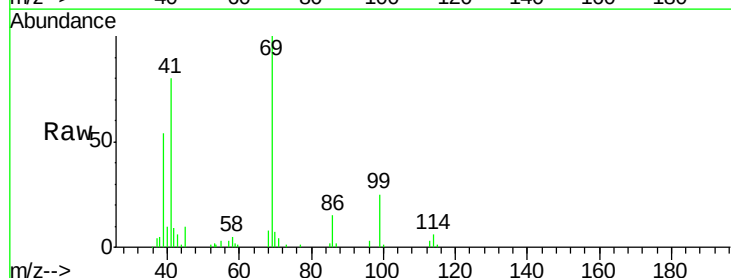
Tgt Ion: 69 Resp: 148713

Ion Ratio Lower Upper

69 100

41 80.0 64.8 97.2

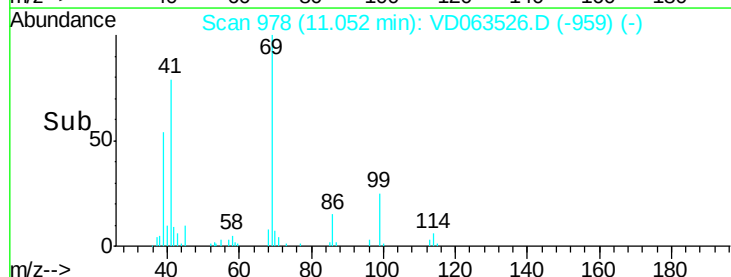
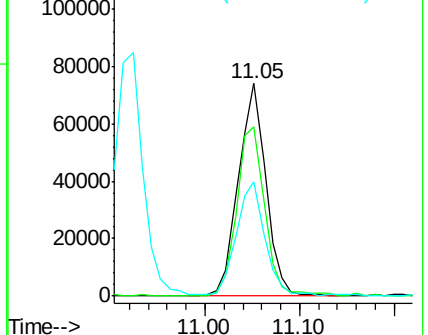
39 53.9 42.4 63.6

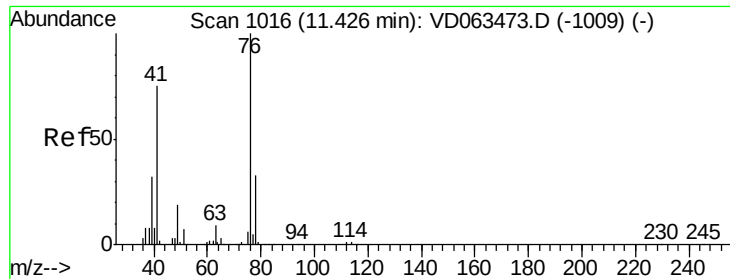


Abundance Ion 69.00 (68.70 to 69.70): VDC

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

ClientSampleId :

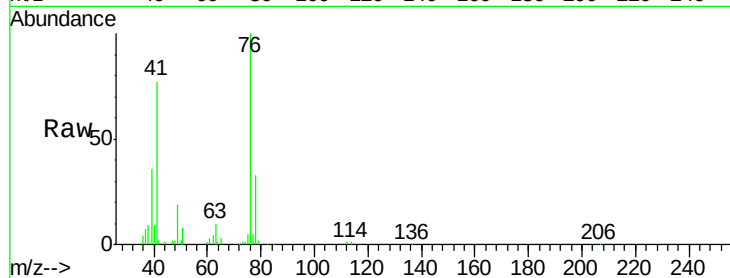
VD0813SBSD01

Tot Ion: 76 Resp: 213334

Ion Ratio Lower Upper

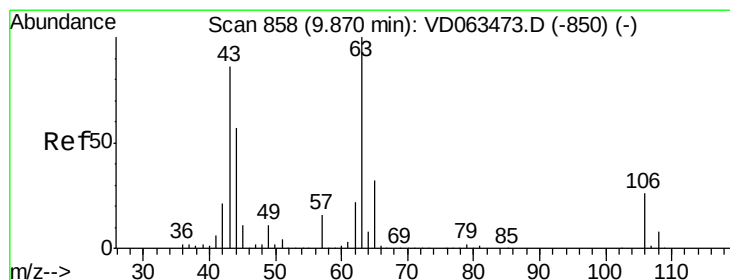
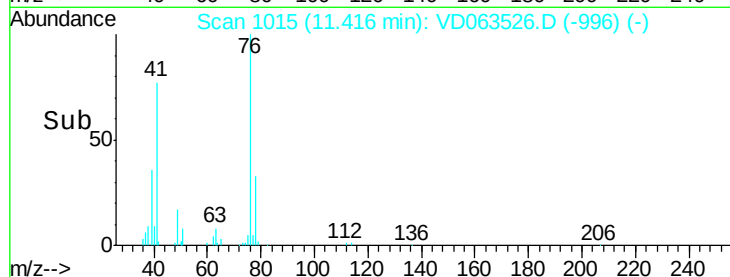
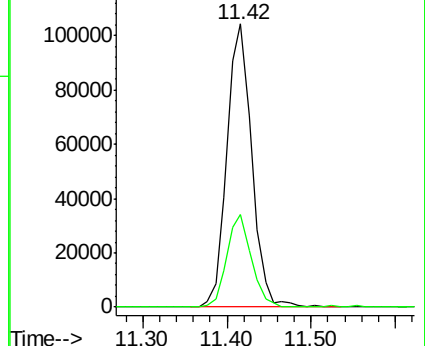
76 100

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



#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

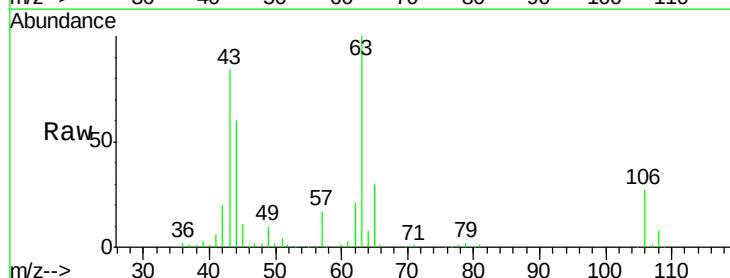
Acq: 13 Aug 2019 14:47

Tgt Ion: 63 Resp: 429651

Ion Ratio Lower Upper

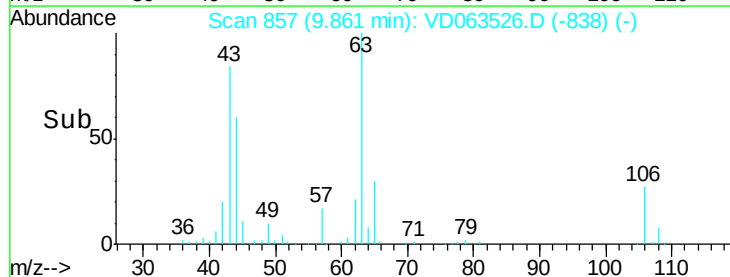
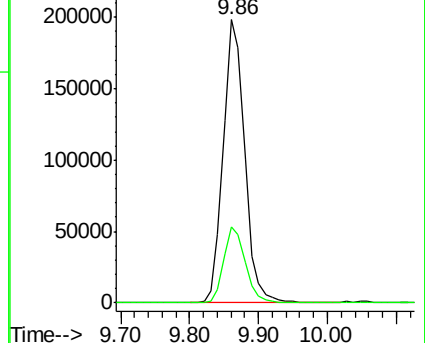
63 100

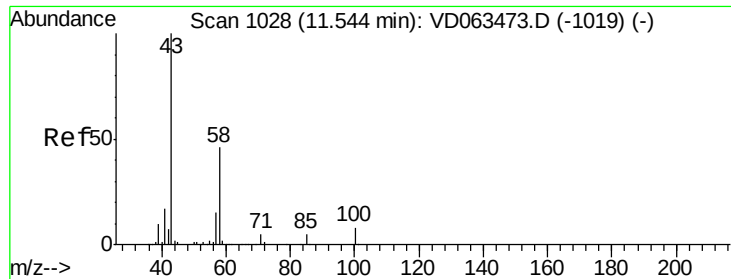
106 26.7 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

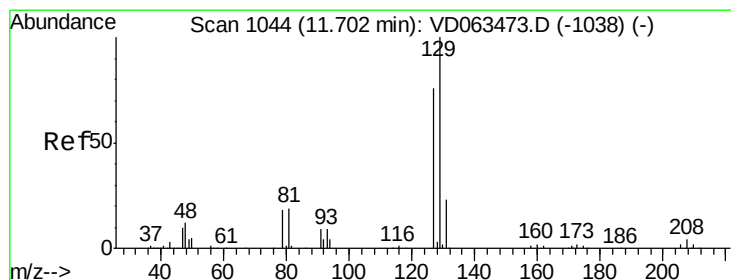
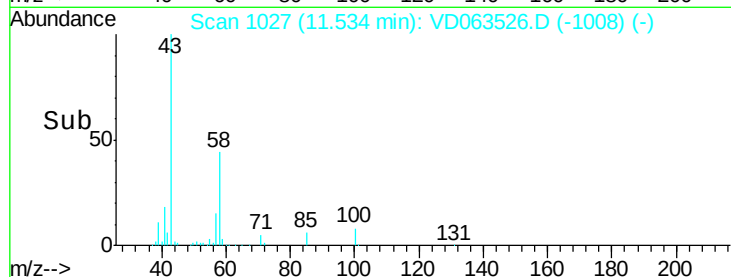
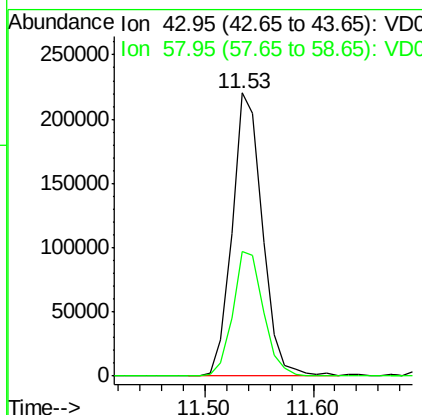
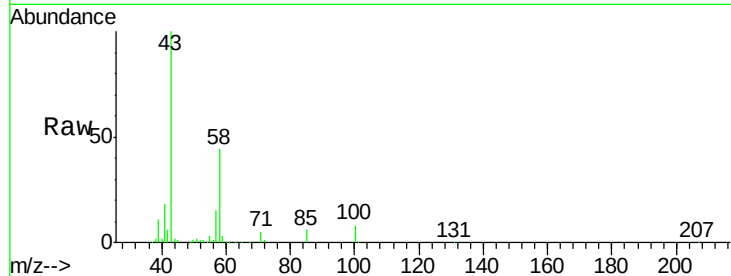




#59
2-Hexanone
Concen: 106.161 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

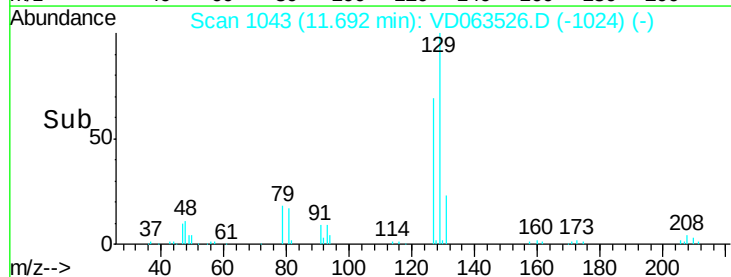
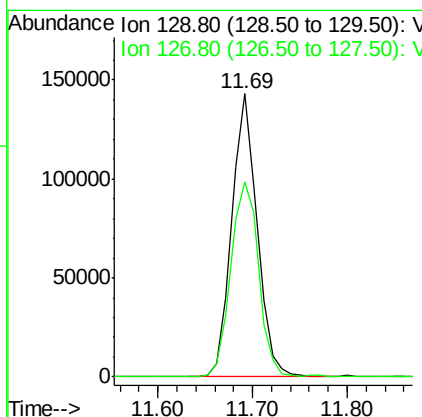
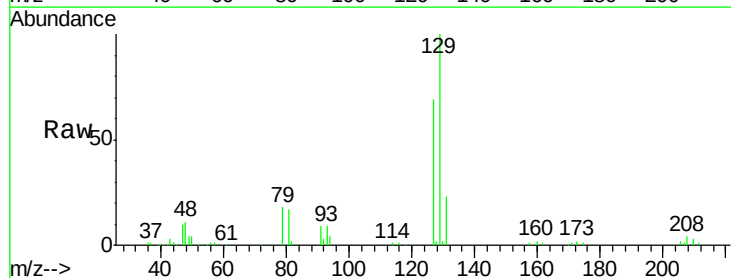
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

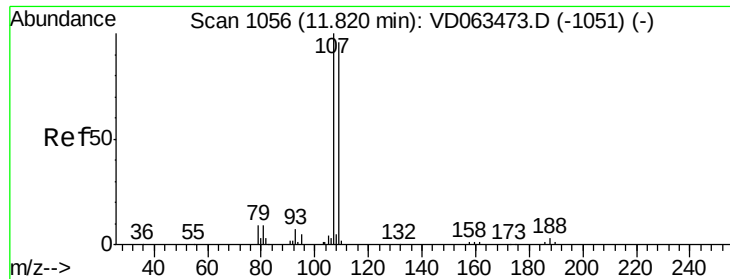
Tot Ion: 43 Resp: 426884
Ion Ratio Lower Upper
43 100
58 44.1 23.1 69.2



#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

ClientSampleId :

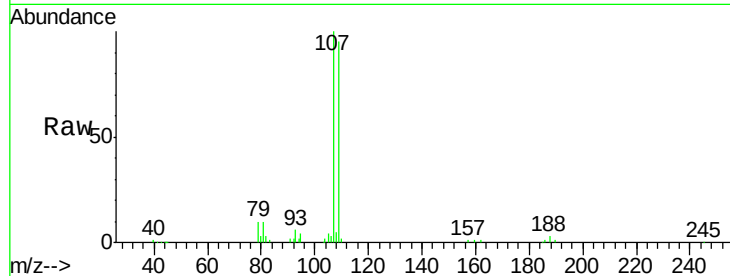
VD0813SBSD01

Tot Ion:107 Resp: 168345

Ion Ratio Lower Upper

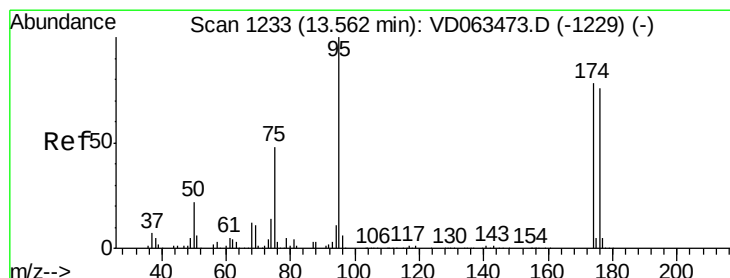
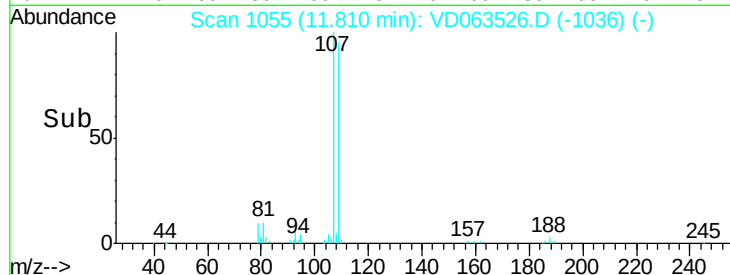
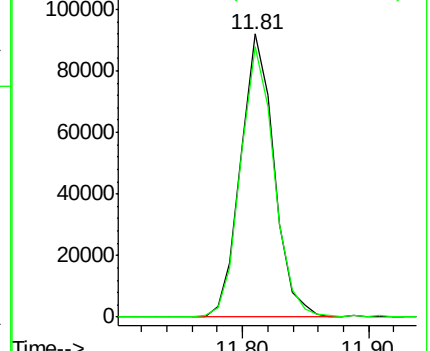
107 100

109 95.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#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

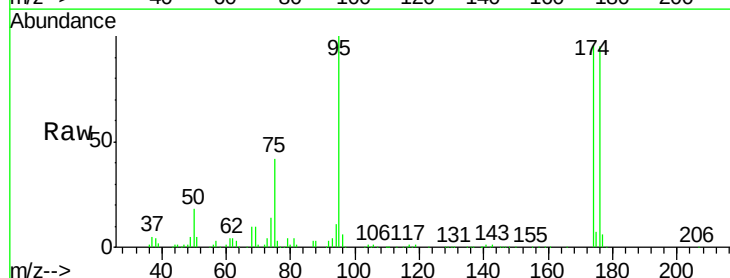
Tgt Ion: 95 Resp: 659550

Ion Ratio Lower Upper

95 100

174 95.9 0.0 155.4

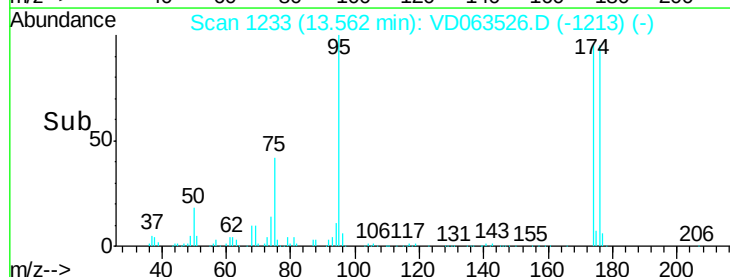
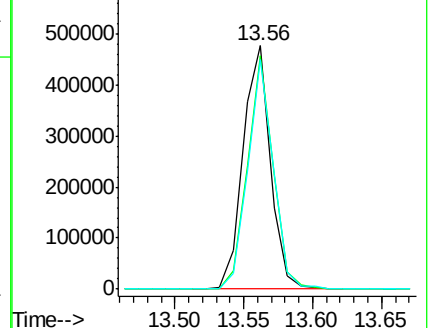
176 94.5 0.0 152.4

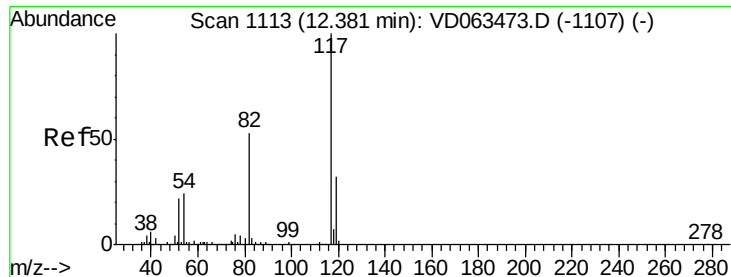


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

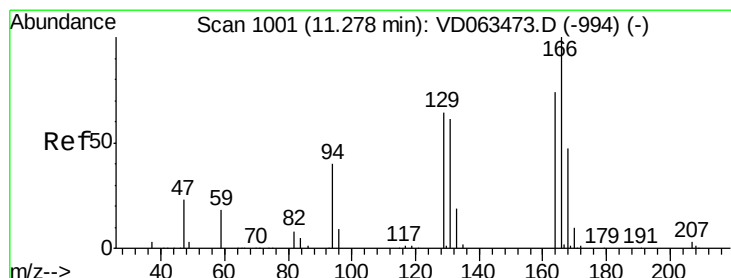
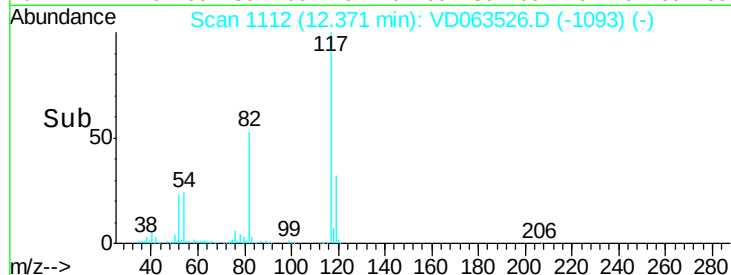
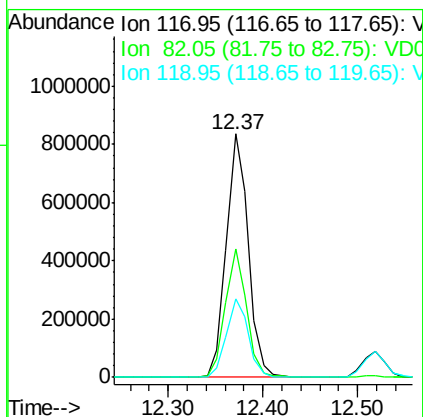
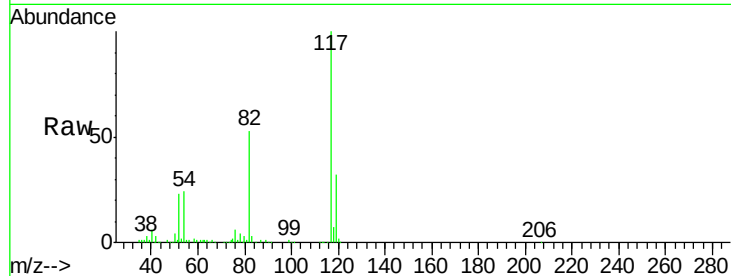




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

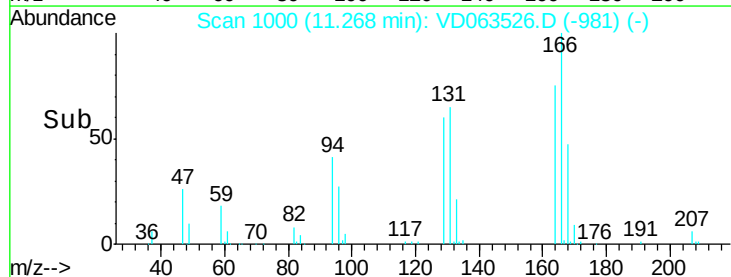
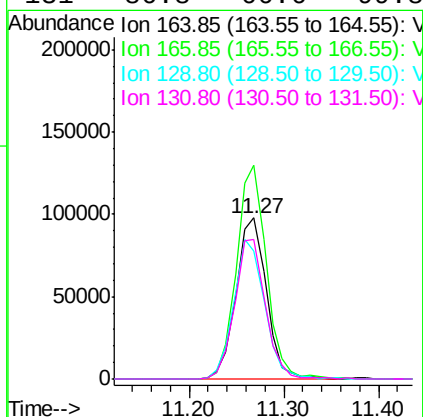
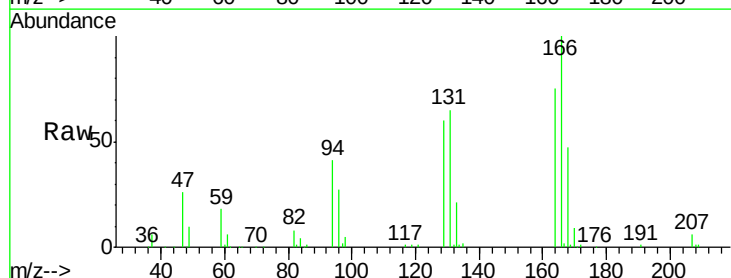
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

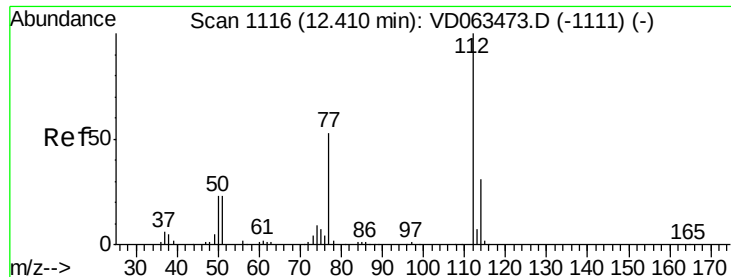
Tot Ion:117 Resp: 1343379
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.2 25.4 38.0



#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

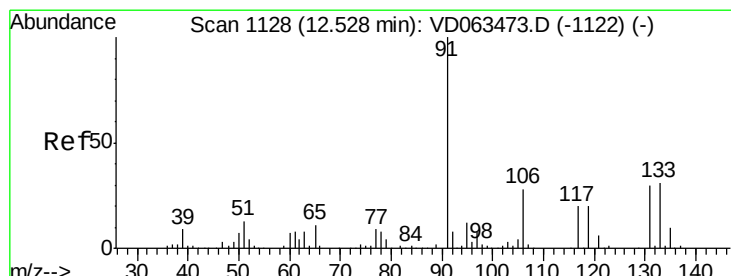
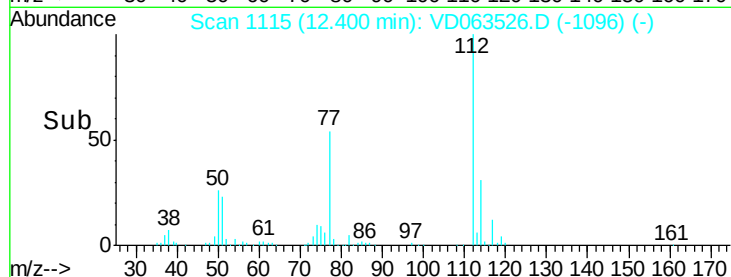
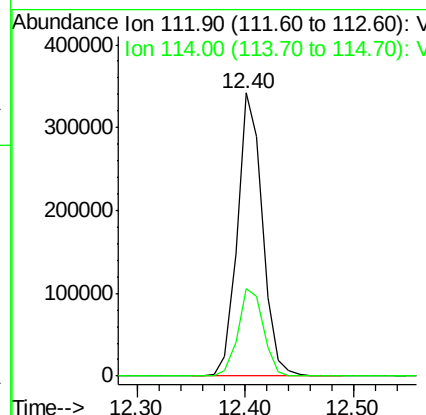
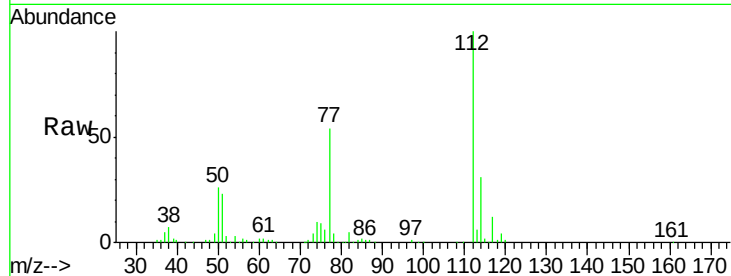




#65
Chlorobenzene
Concen: 21.847 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

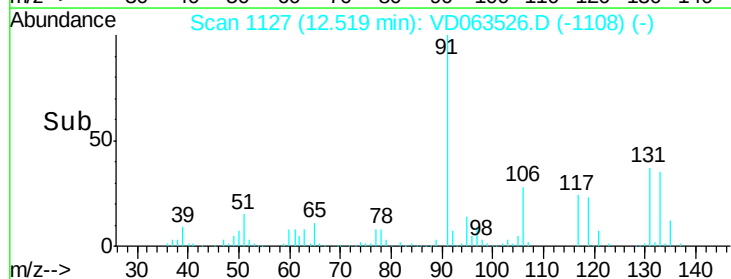
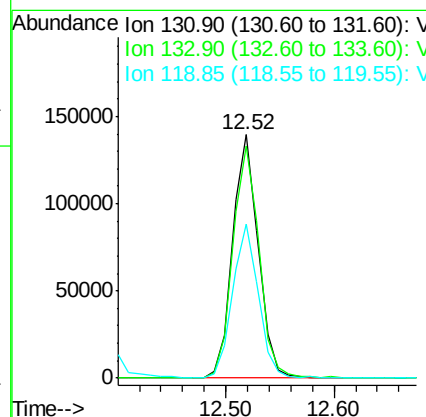
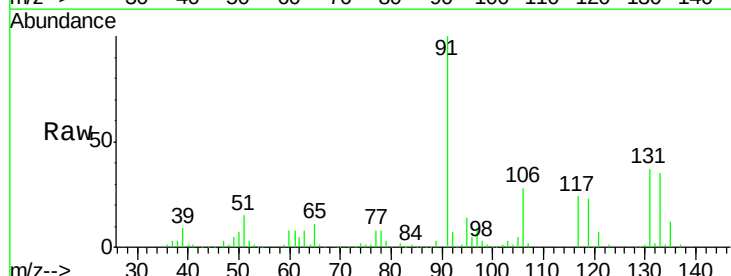
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

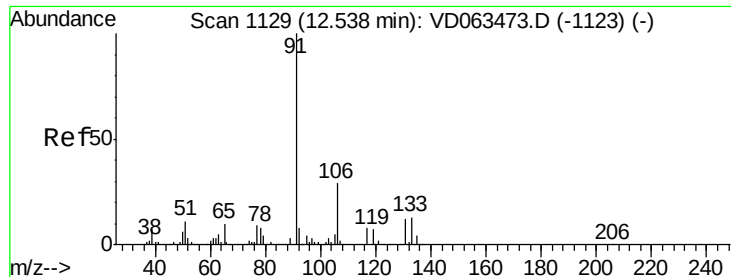
Tot Ion:112 Resp: 550055
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#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

ClientSampleId :

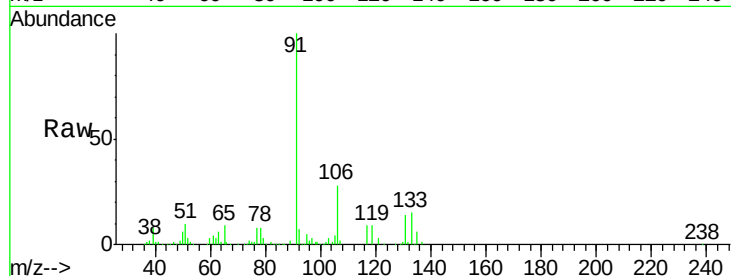
VD0813SBS01

Tot Ion: 91 Resp: 897922

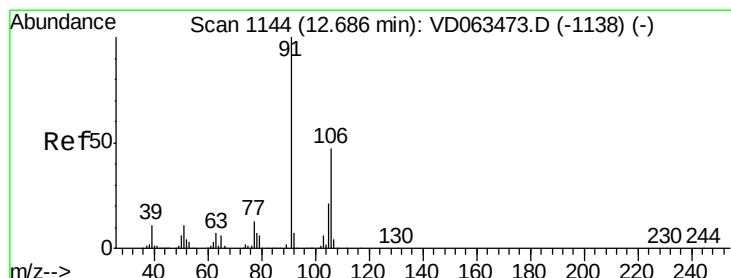
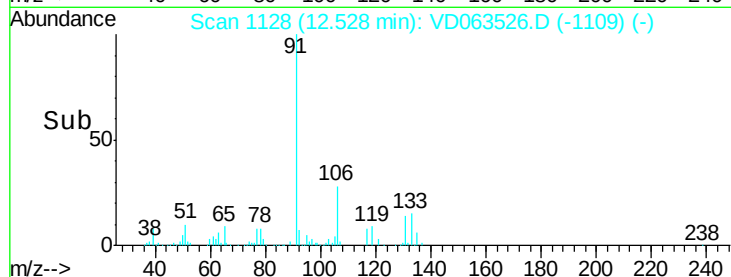
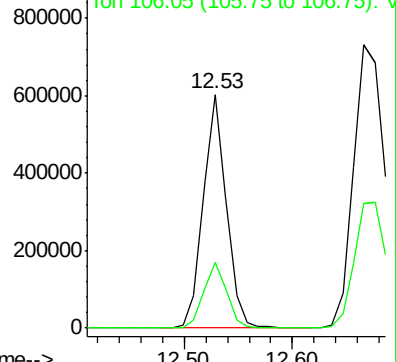
Ion Ratio Lower Upper

91 100

106 28.1 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1123) (-)



#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

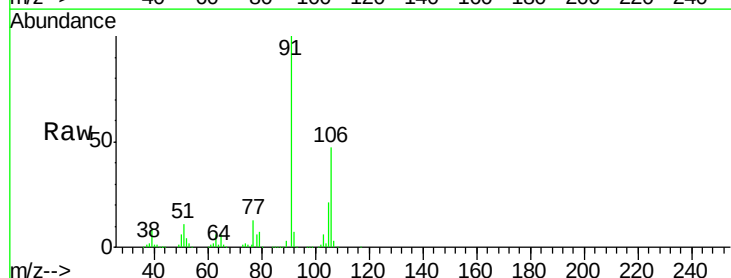
Acq: 13 Aug 2019 14:47

Tgt Ion: 106 Resp: 657502

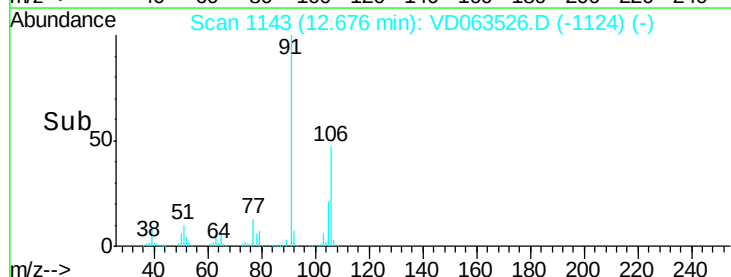
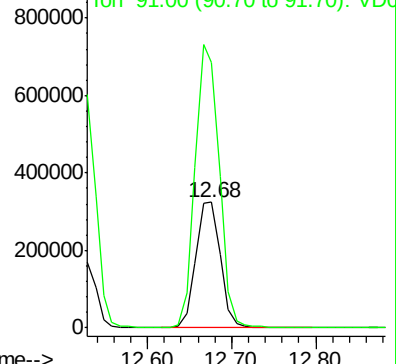
Ion Ratio Lower Upper

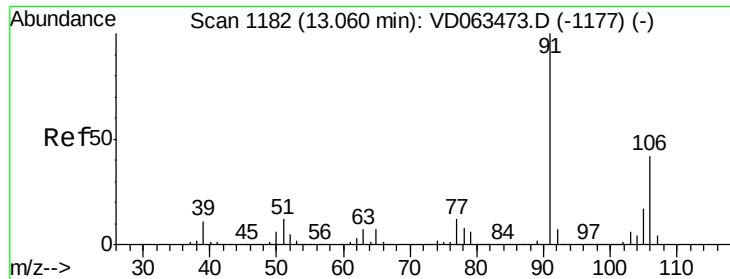
106 100

91 212.0 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): VD063473.D (-1138) (-)

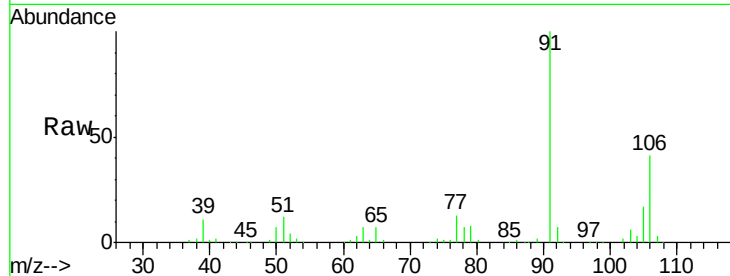




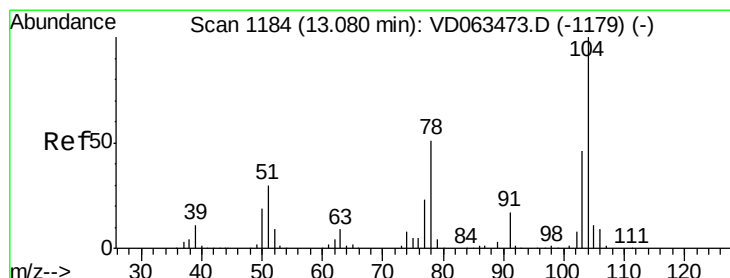
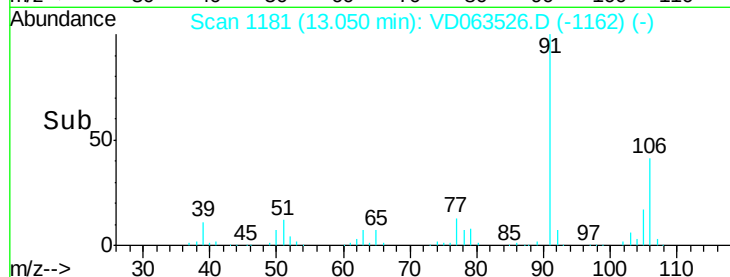
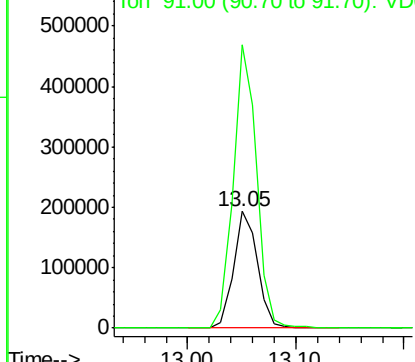
#69
o-Xylene
Concen: 20.081 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

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

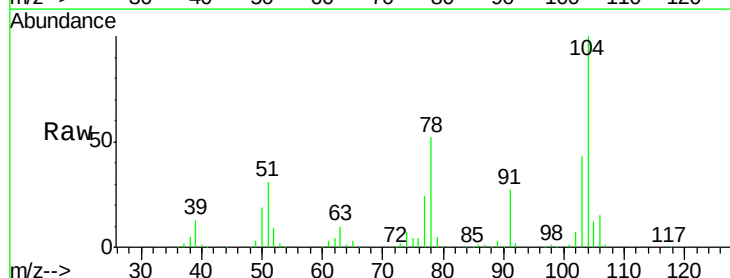


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

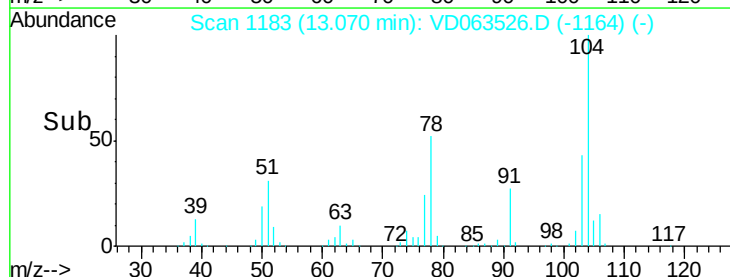
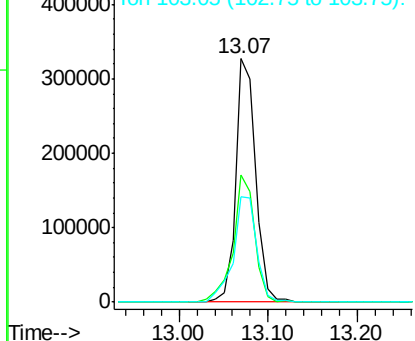


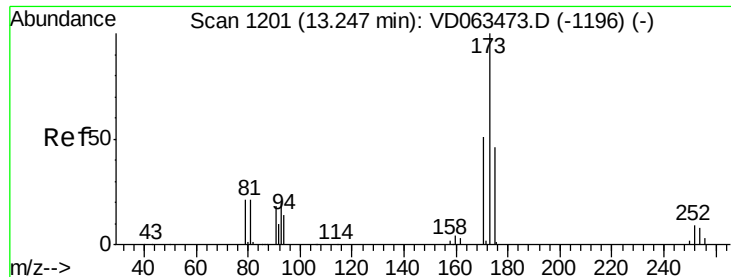
#70
Styrene
Concen: 19.422 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

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

ClientSampleId :

VD0813SBS01

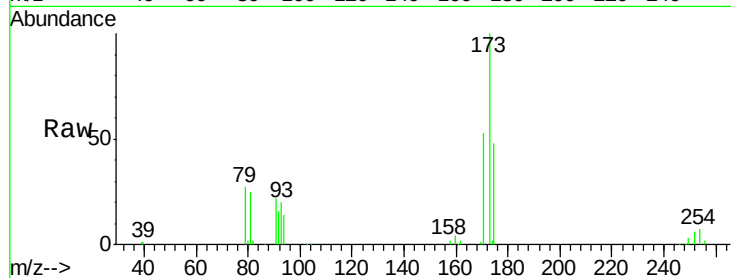
Tot Ion:173 Resp: 153862

Ion Ratio Lower Upper

173 100

175 48.2 22.8 68.3

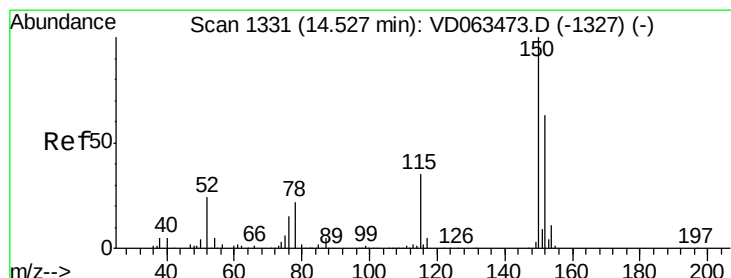
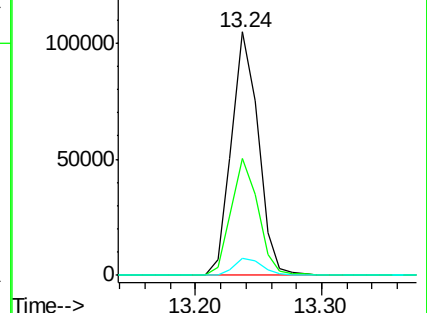
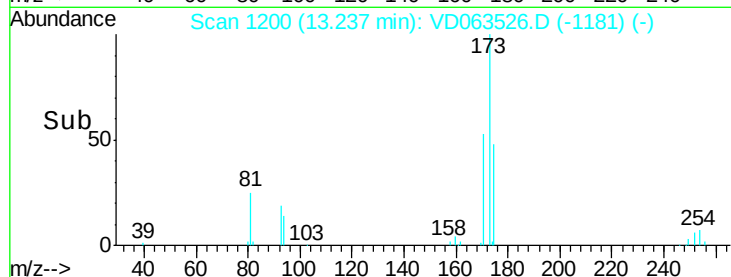
254 7.1 6.6 9.8



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

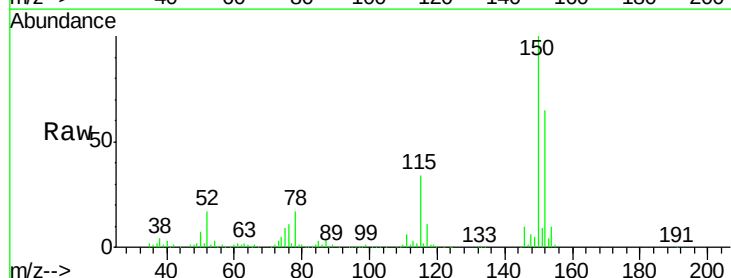
Tgt Ion:152 Resp: 706046

Ion Ratio Lower Upper

152 100

115 52.0 30.9 92.7

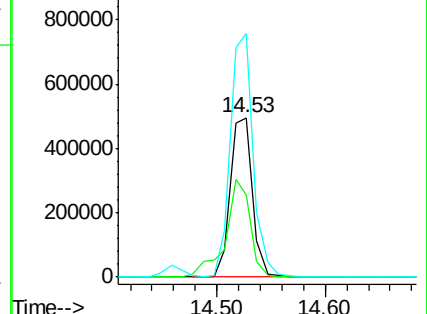
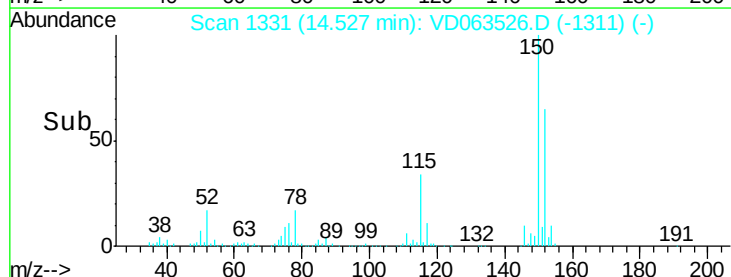
150 152.7 0.0 318.6

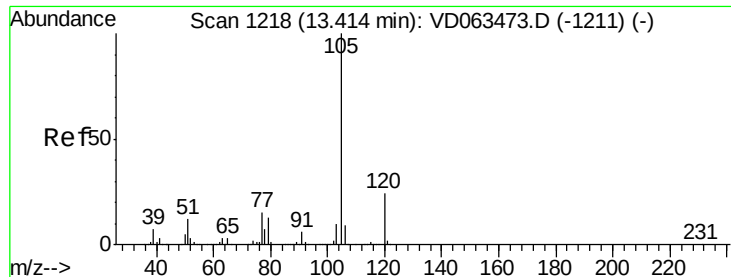


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

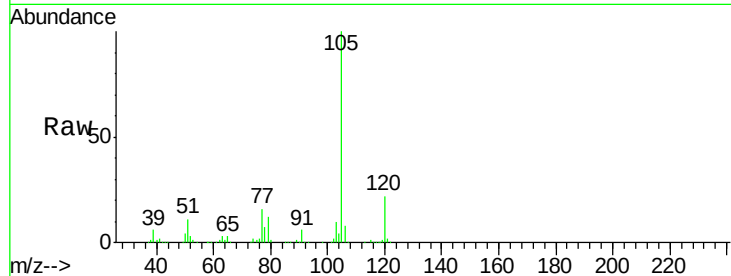
VD0813SBSD01

Tot Ion: 105 Resp: 958459

Ion Ratio Lower Upper

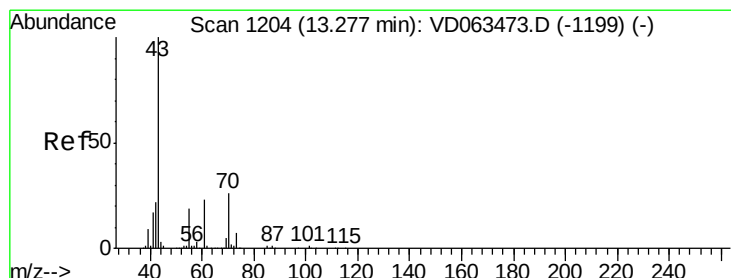
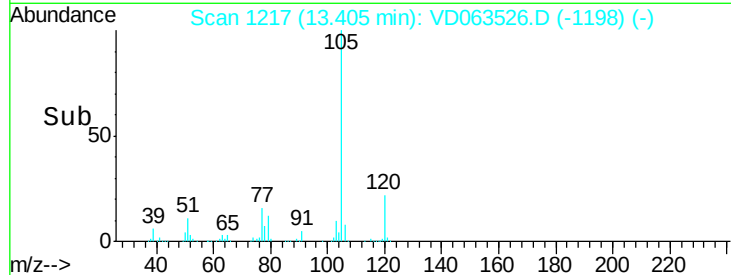
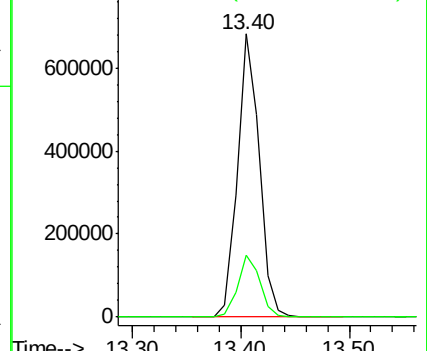
105 100

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

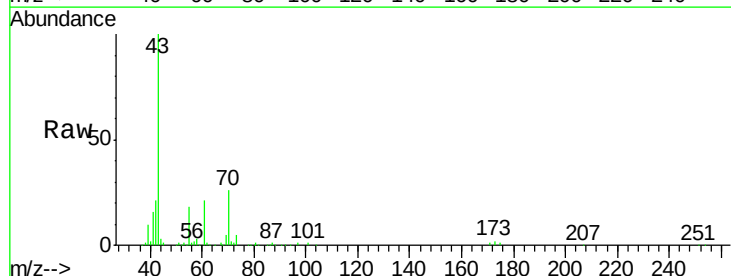
Ion Ratio Lower Upper

43 100

70 26.2 21.1 31.7

55 18.0 15.4 23.0

61 21.4 18.2 27.2

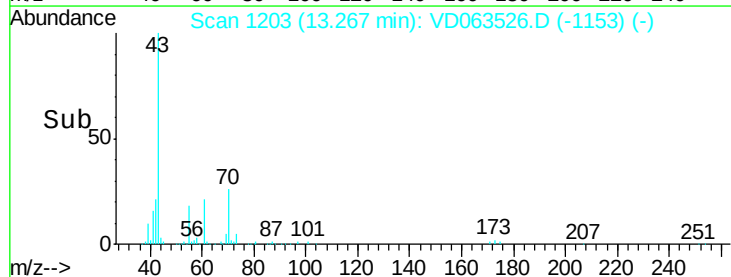
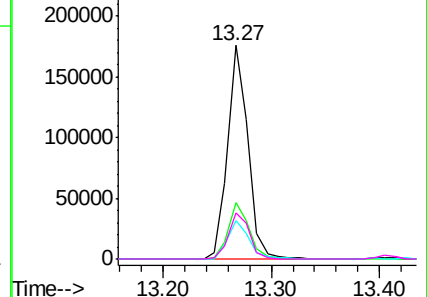


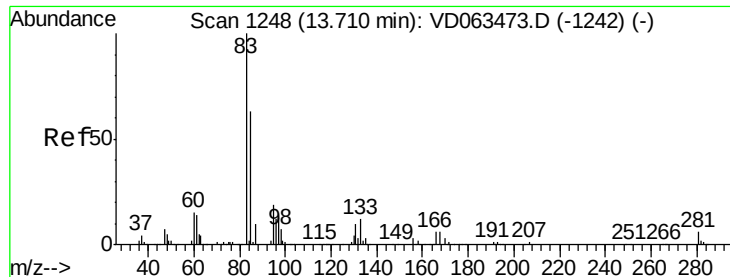
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#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 :

VD0813SBSD01

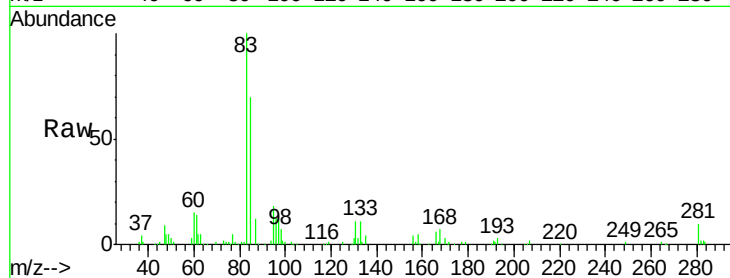
Tot Ion: 83 Resp: 157920

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.8

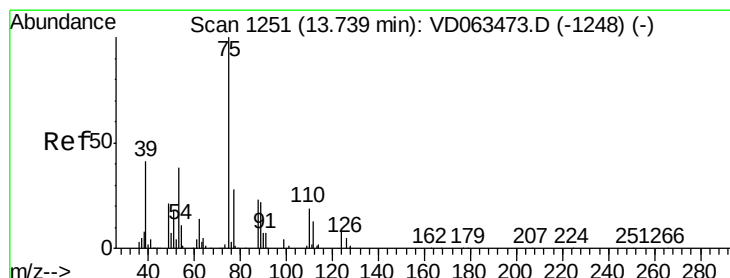
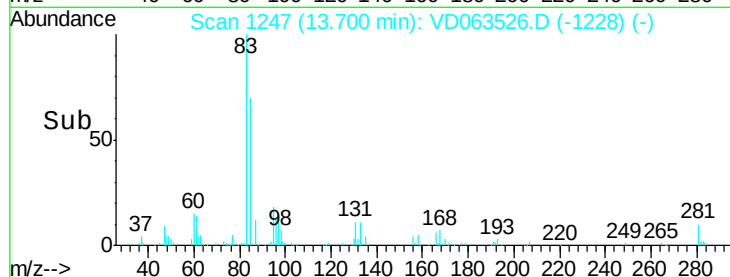
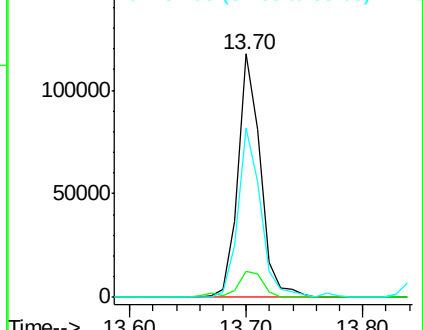
85 69.6 31.4 94.3



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

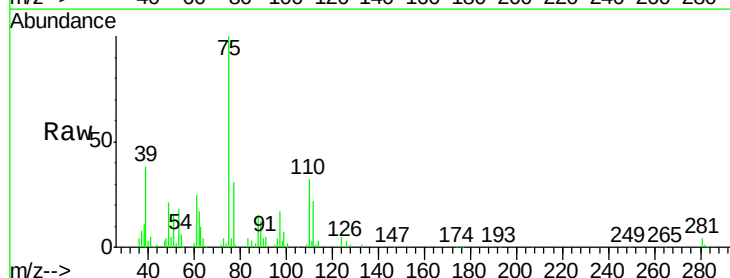
Acq: 13 Aug 2019 14:47

Tgt Ion: 75 Resp: 168920

Ion Ratio Lower Upper

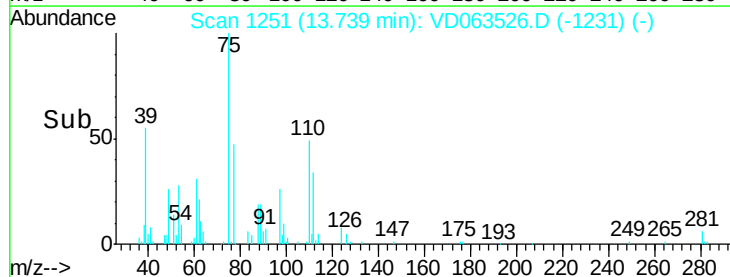
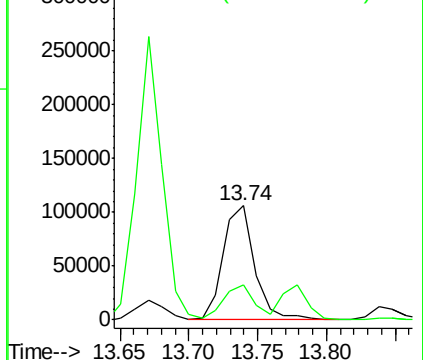
75 100

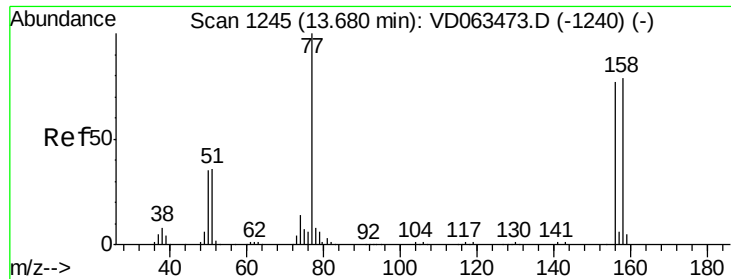
77 31.1 15.1 45.3



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 :

VD0813SBSD01

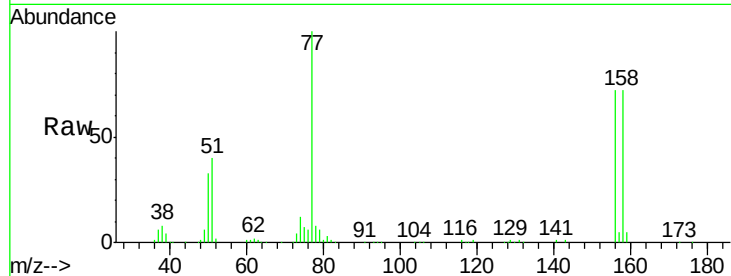
Tot Ion:156 Resp: 262817

Ion Ratio Lower Upper

156 100

77 139.7 64.6 193.8

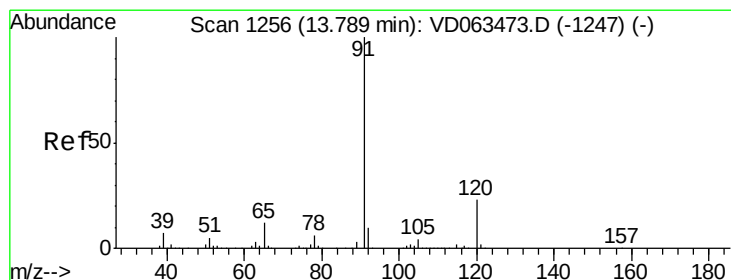
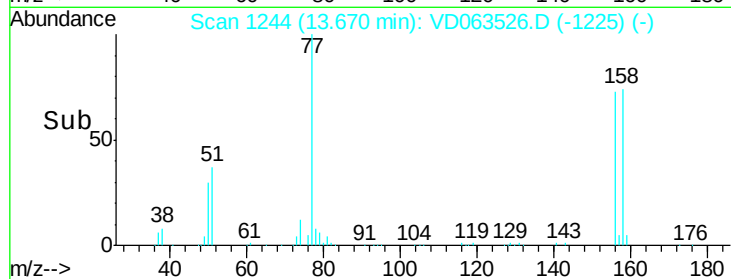
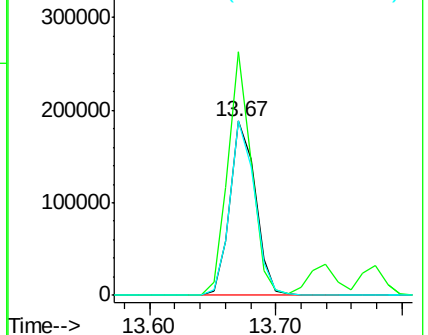
158 100.4 50.9 152.7



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

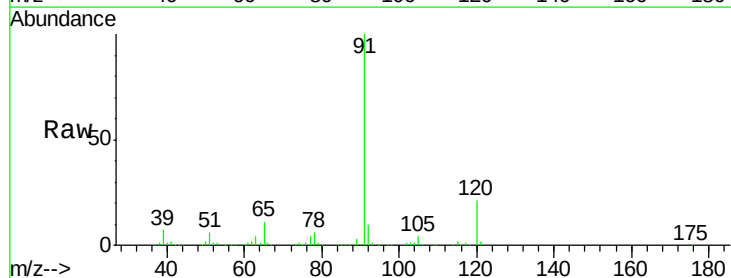
Acq: 13 Aug 2019 14:47

Tgt Ion: 91 Resp: 1068758

Ion Ratio Lower Upper

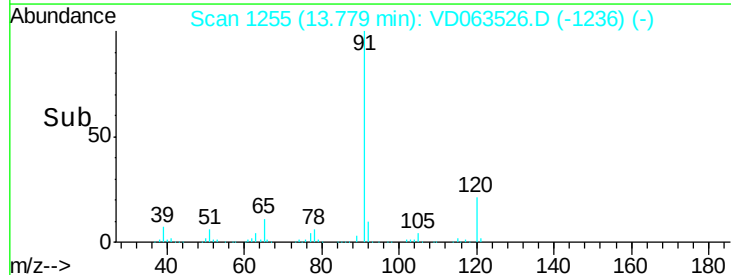
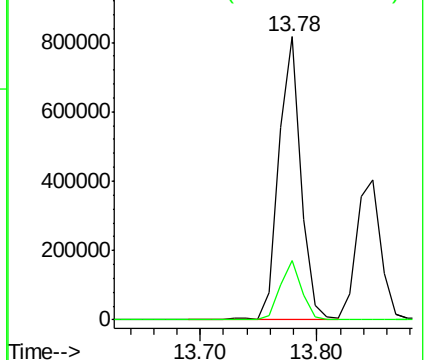
91 100

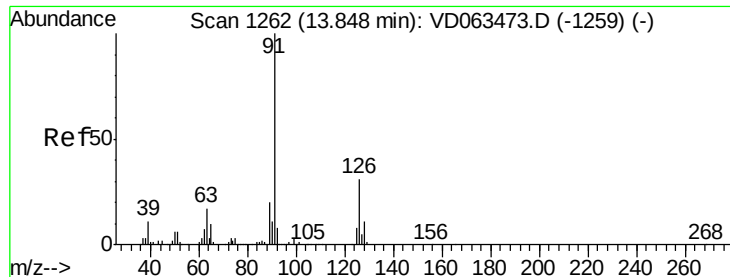
120 21.0 11.3 33.9



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 :

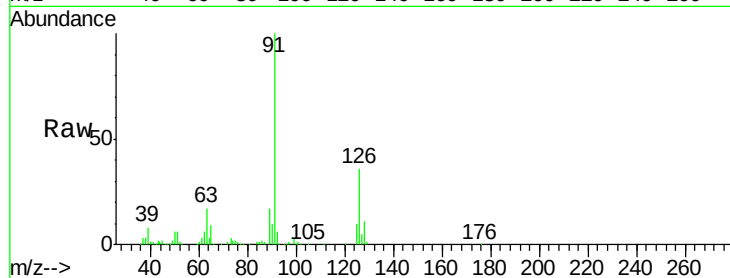
VD0813SBSD01

Tot Ion: 91 Resp: 583423

Ion Ratio Lower Upper

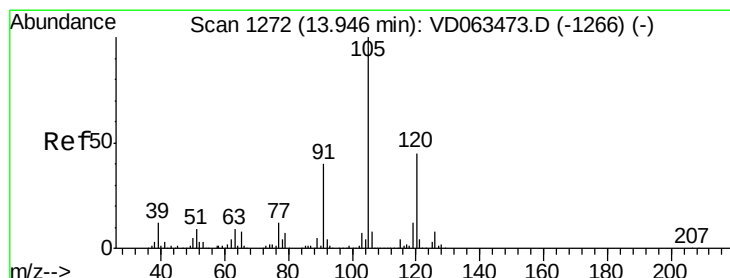
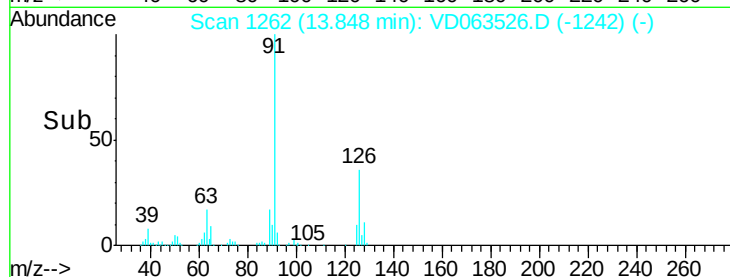
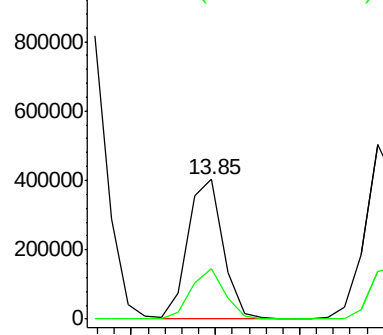
91 100

126 36.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): 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

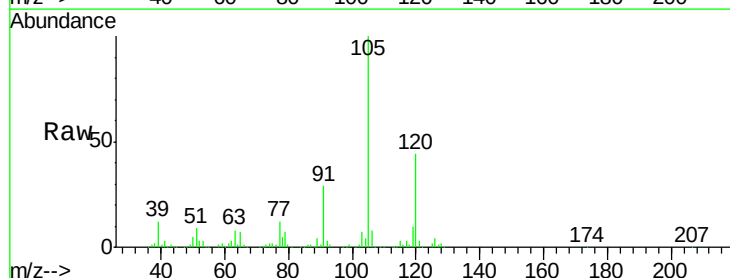
Acq: 13 Aug 2019 14:47

Tgt Ion: 105 Resp: 781141

Ion Ratio Lower Upper

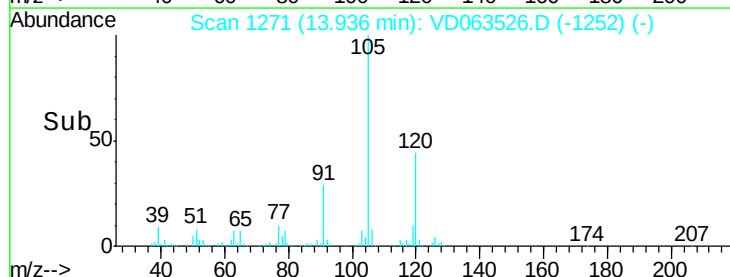
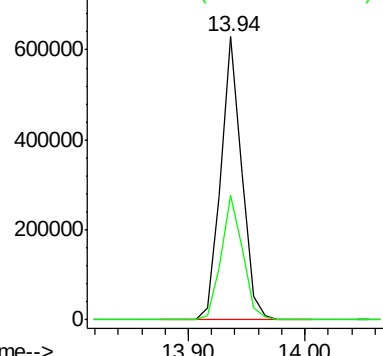
105 100

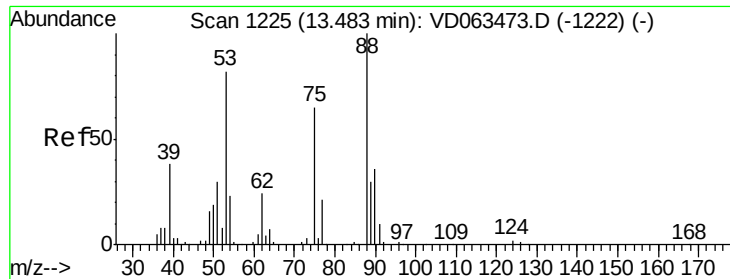
120 44.3 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

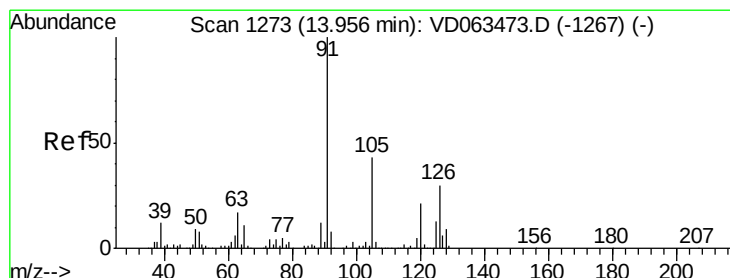
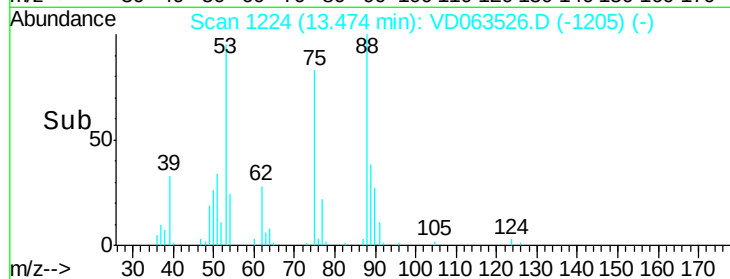
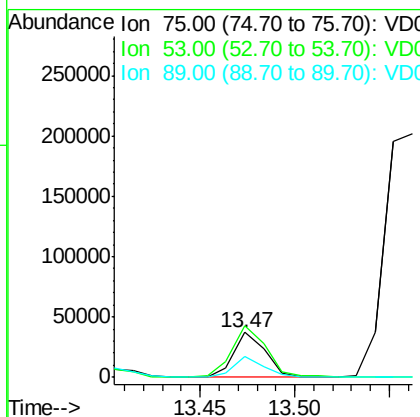
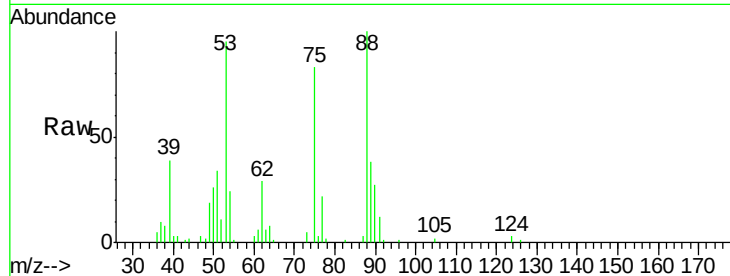




#81
trans-1,4-Dichloro-2-butene
Concen: 20.327 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063526.D
Acq: 13 Aug 2019 14:47

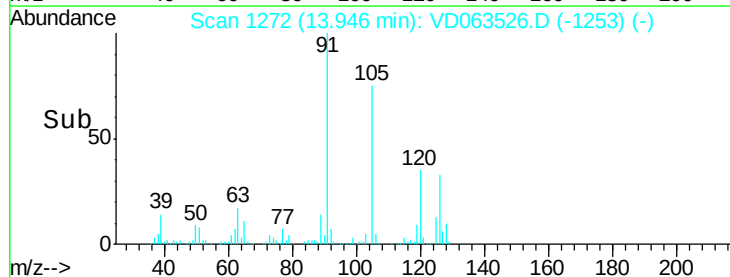
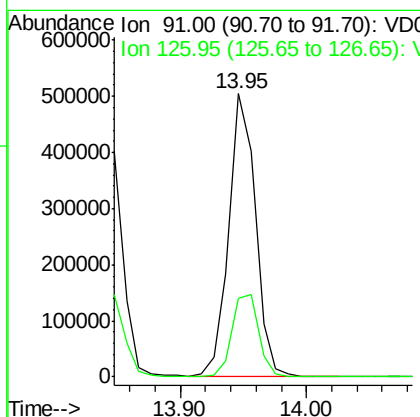
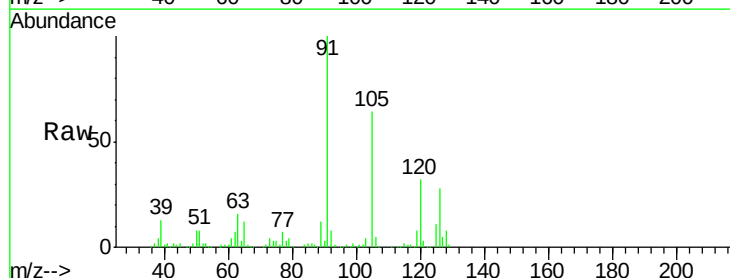
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

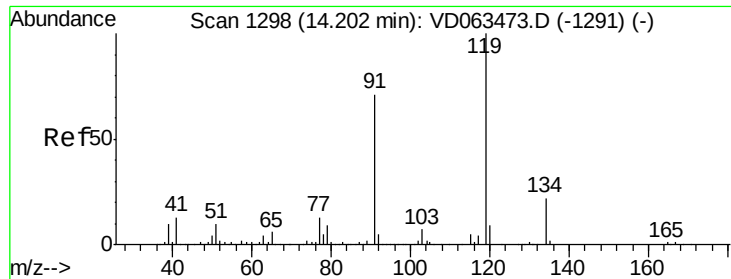
Tot Ion: 75 Resp: 44269
Ion Ratio Lower Upper
75 100
53 114.5 101.0 151.4
89 45.9 37.0 55.6



#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

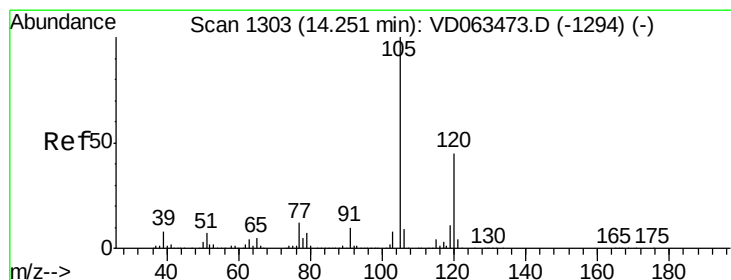
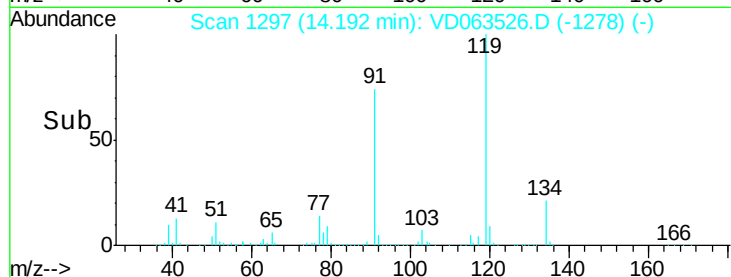
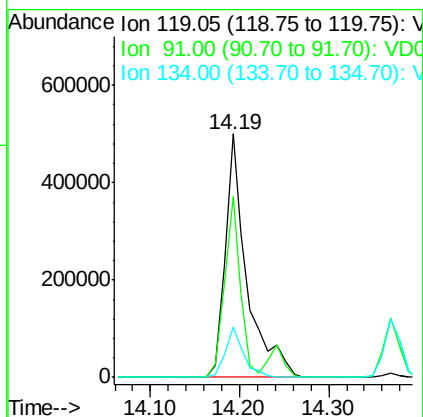
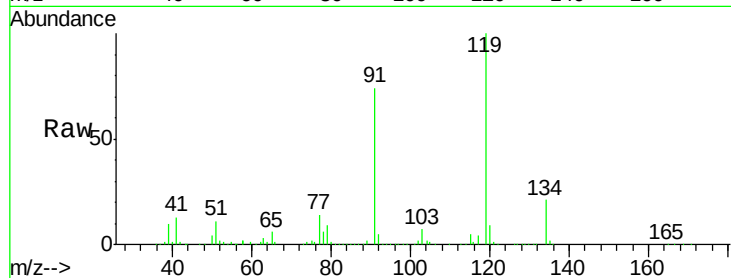




#83
 tert-Butylbenzene
 Concen: 20.669 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

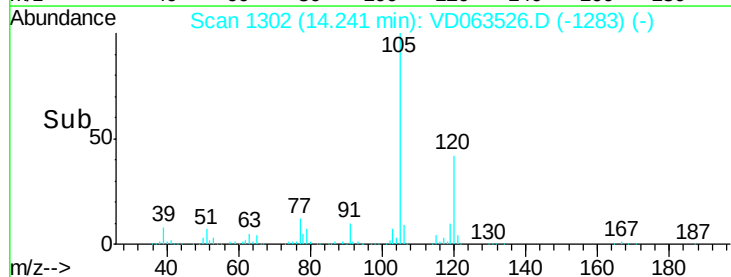
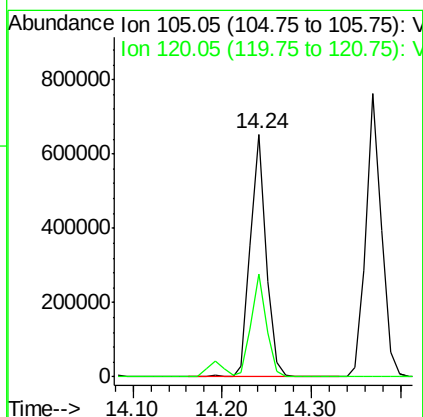
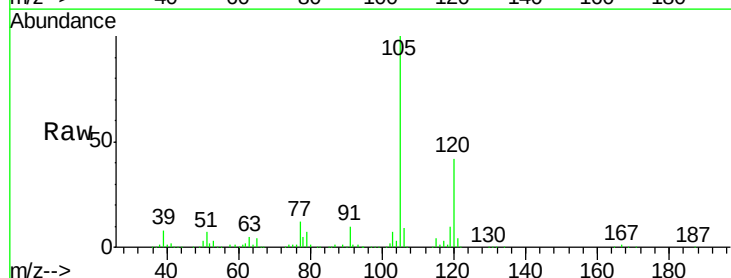
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

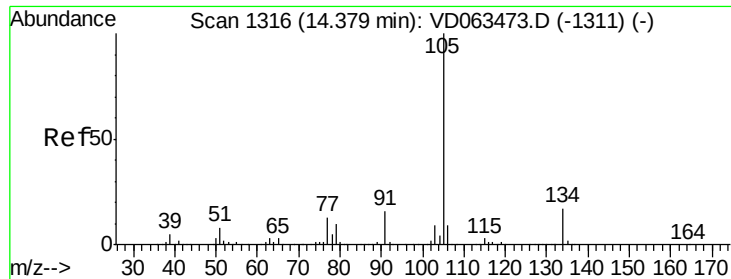
Tot Ion:119 Resp: 854044
 Ion Ratio Lower Upper
 119 100
 91 74.0 35.5 106.7
 134 20.8 11.1 33.1



#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





#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 :

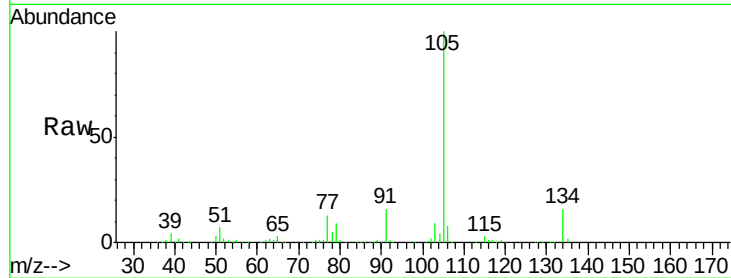
VD0813SBSD01

Tot Ion:105 Resp: 911571

Ion Ratio Lower Upper

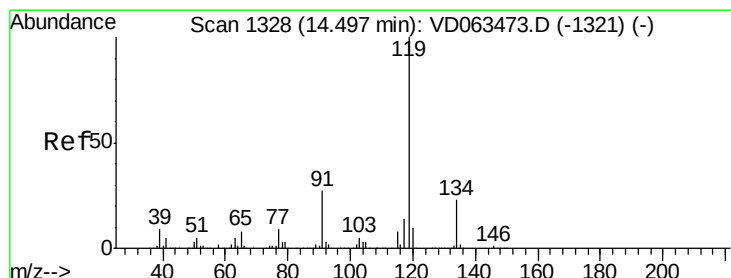
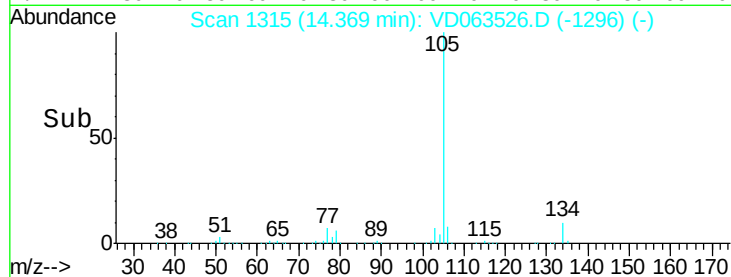
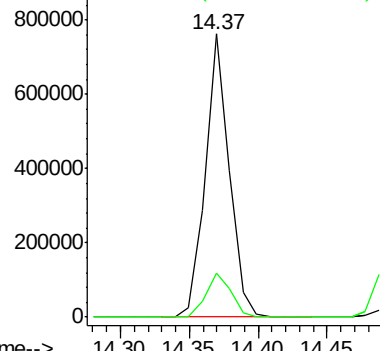
105 100

134 15.7 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#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

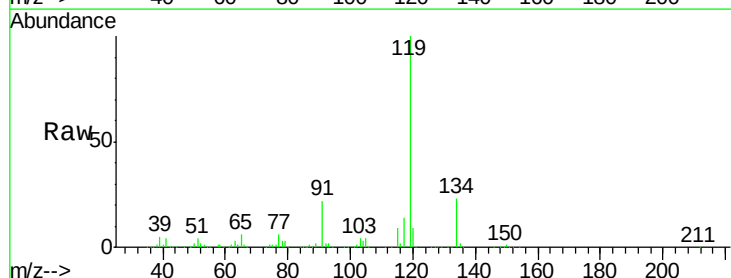
Tgt Ion:119 Resp: 862548

Ion Ratio Lower Upper

119 100

134 23.1 11.3 33.8

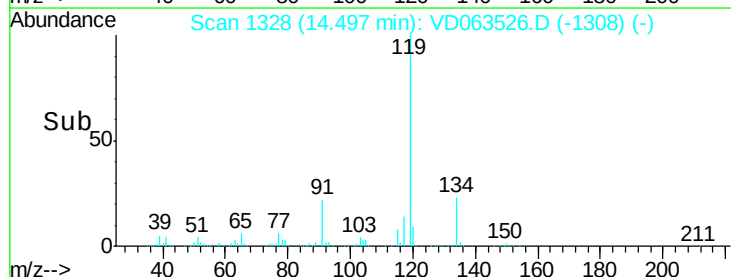
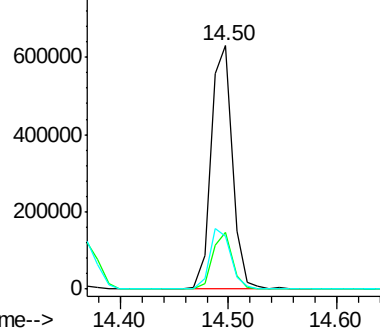
91 21.8 13.5 40.4

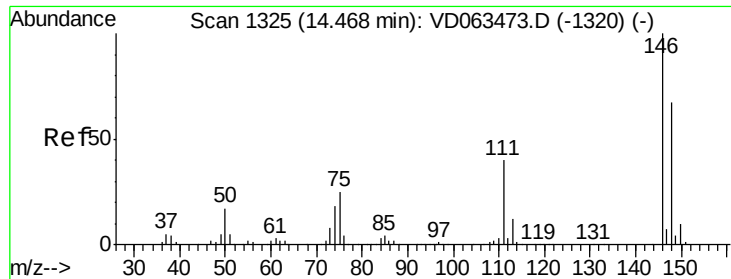


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

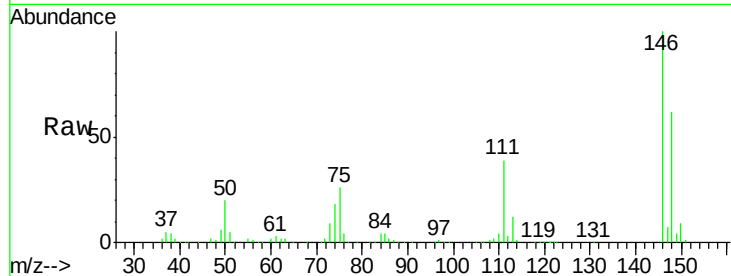




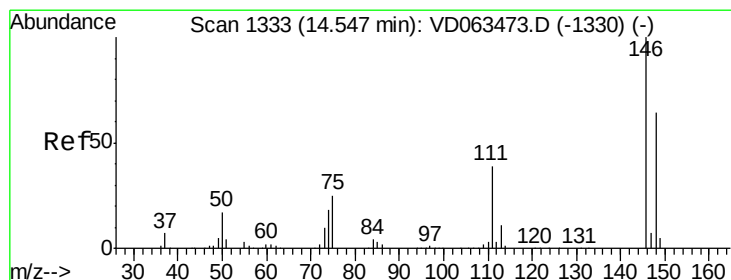
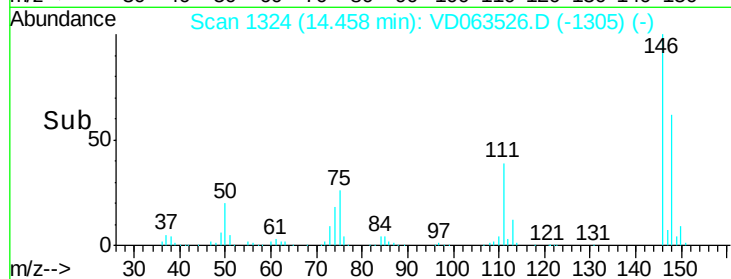
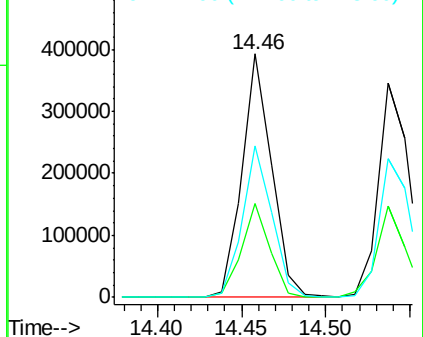
#87
 1,3-Dichlorobenzene
 Concen: 21.580 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

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

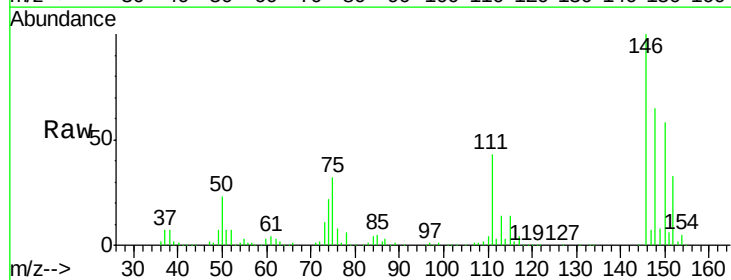


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

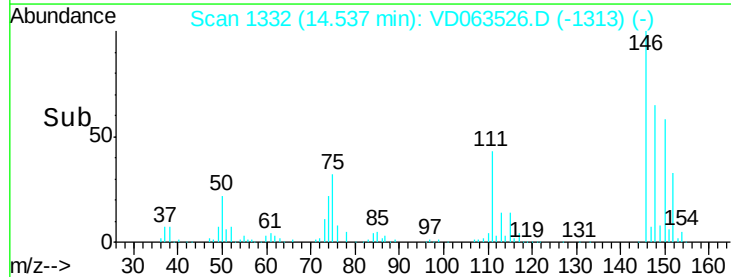
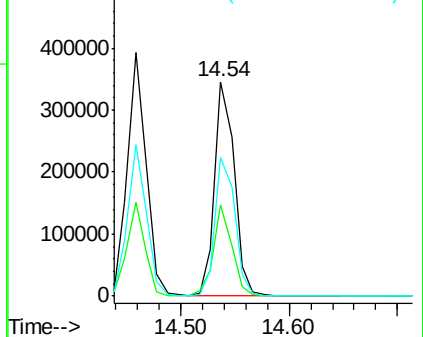


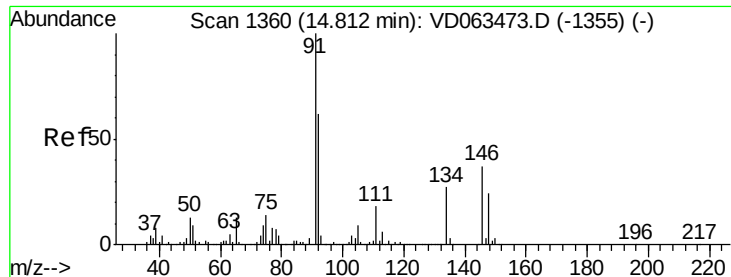
#88
 1,4-Dichlorobenzene
 Concen: 20.667 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

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



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





#89

n-Butylbenzene

Concen: 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 :

VD0813SBSD01

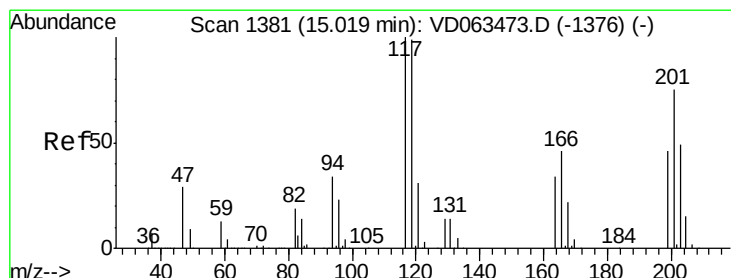
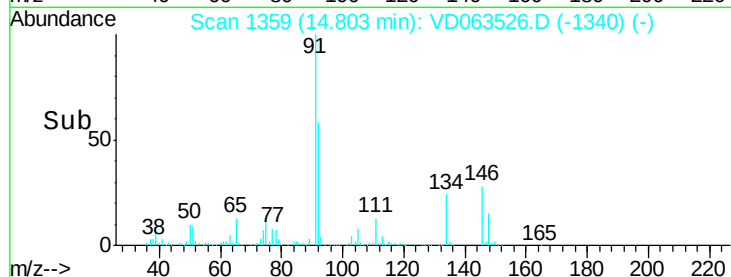
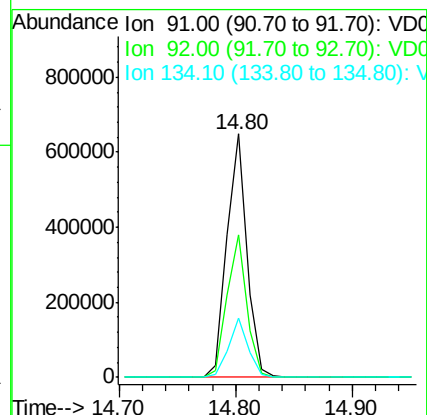
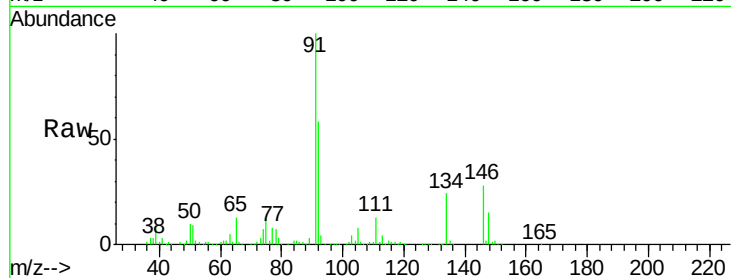
Tot Ion: 91 Resp: 776640

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

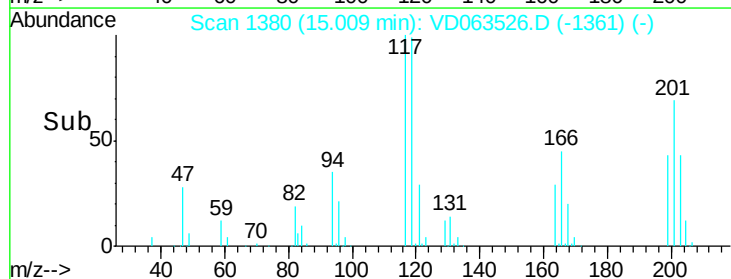
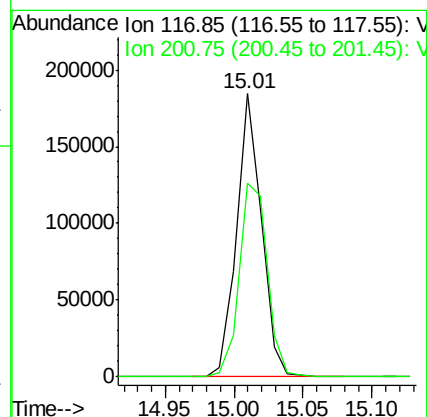
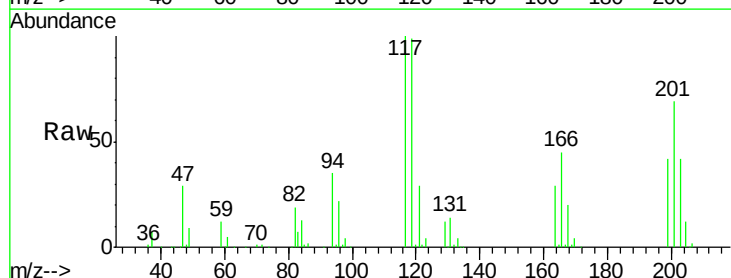
Acq: 13 Aug 2019 14:47

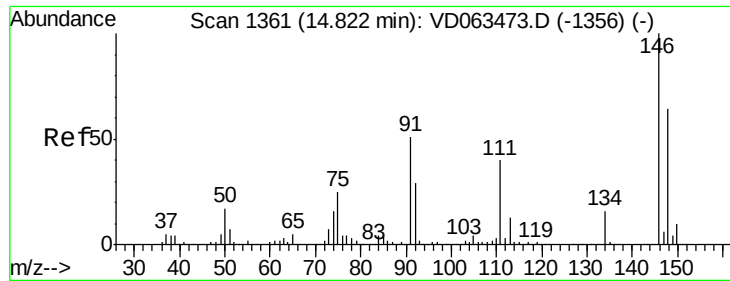
Tgt Ion: 117 Resp: 231908

Ion Ratio Lower Upper

117 100

201 68.6 37.5 112.5

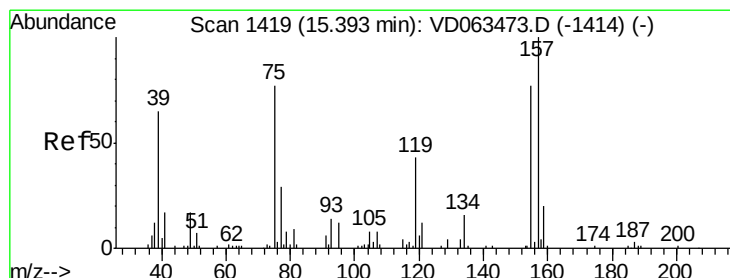
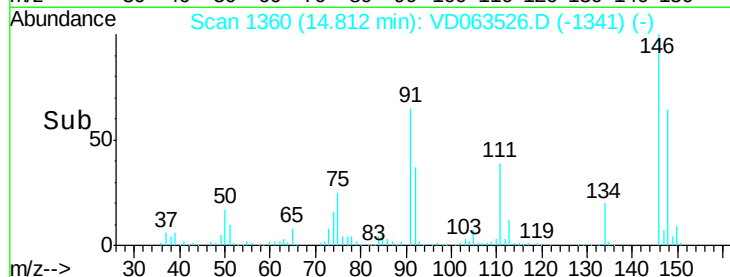
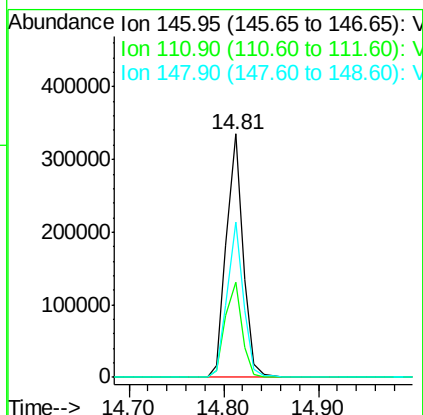
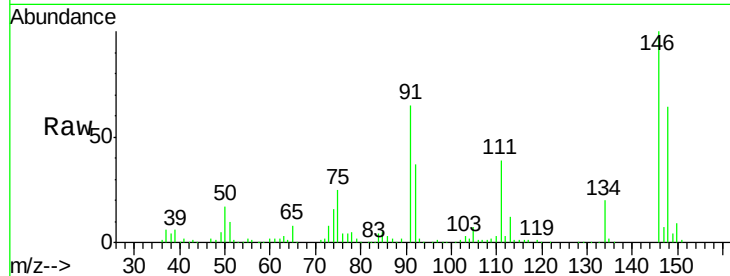




#91
 1,2-Dichlorobenzene
 Concen: 21.858 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

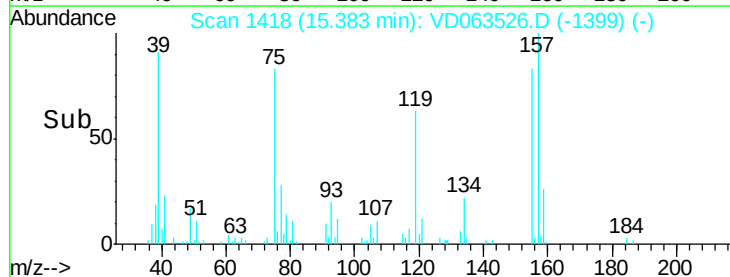
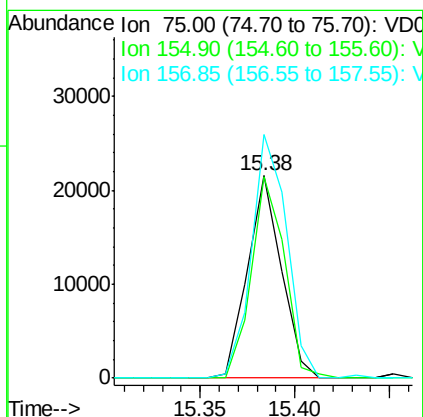
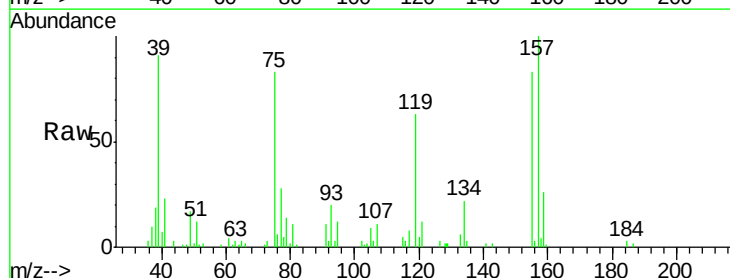
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

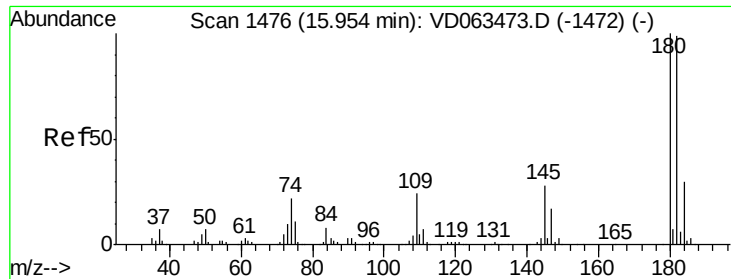
Tot Ion:146 Resp: 411714
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.2 60.6
 148 64.0 32.1 96.5



#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

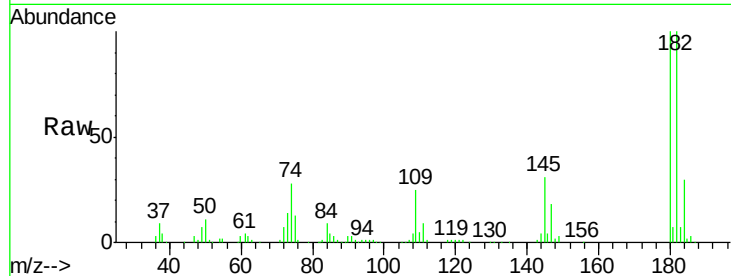




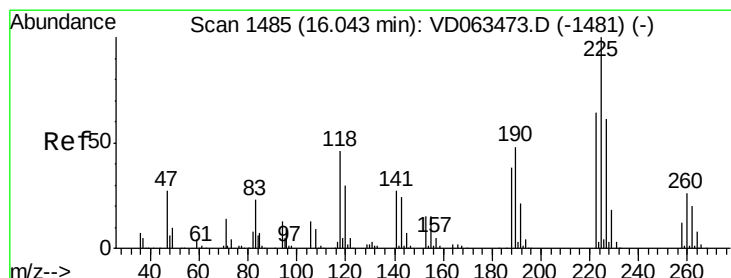
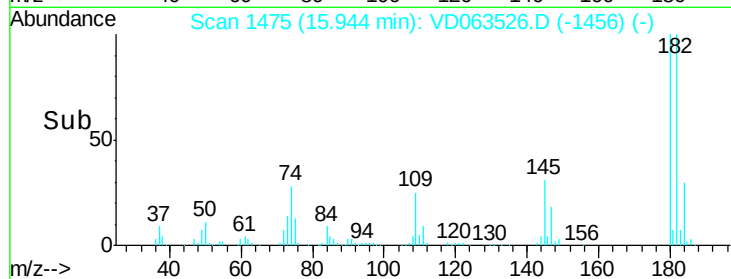
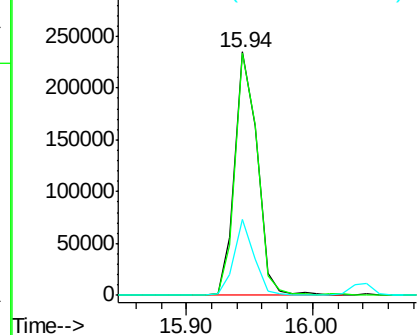
#93
 1,2,4-Trichlorobenzene
 Concen: 20.796 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

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

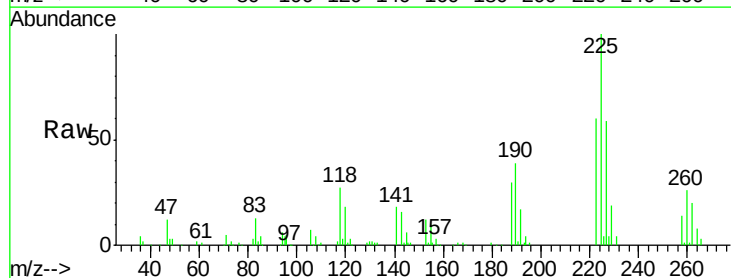


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

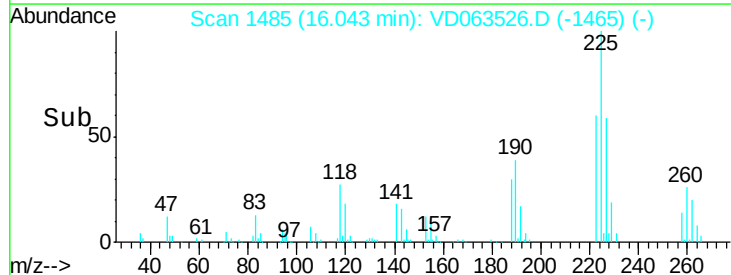
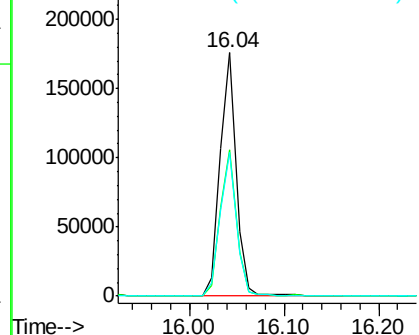


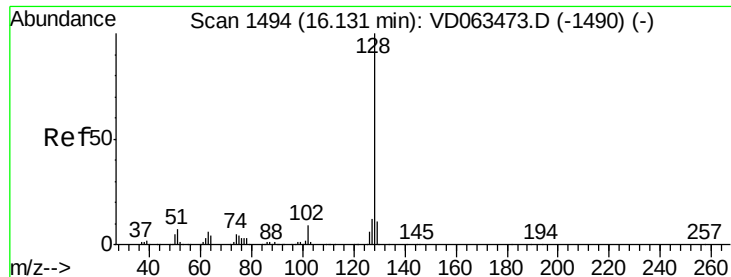
#94
 Hexachlorobutadiene
 Concen: 19.841 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063526.D
 Acq: 13 Aug 2019 14:47

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 :

VD0813SBSD01

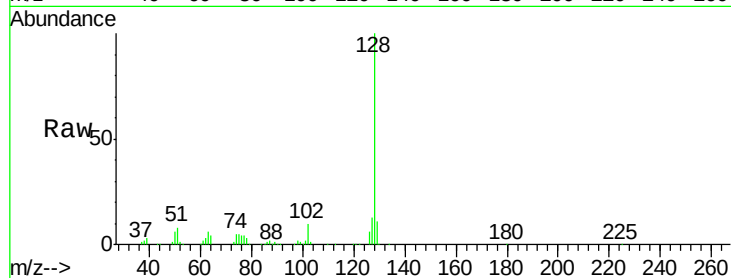
Tot Ion:128 Resp: 423316

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.0

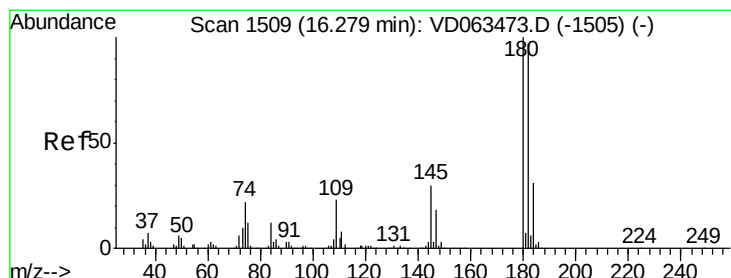
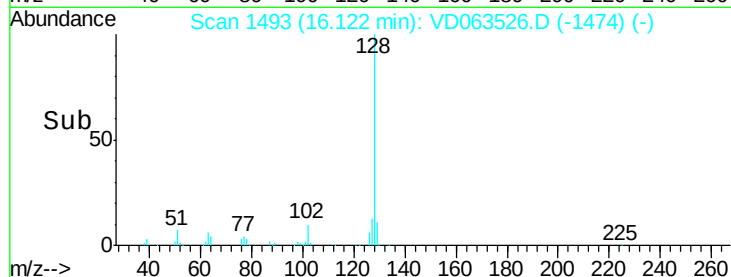
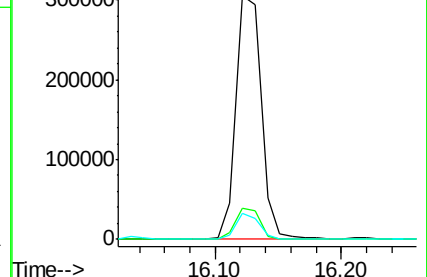
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.431 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063526.D

Acq: 13 Aug 2019 14:47

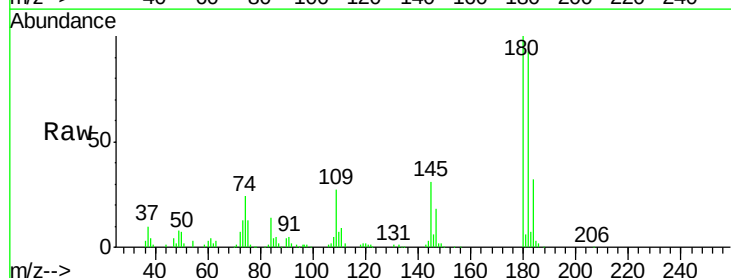
Tgt Ion:180 Resp: 217522

Ion Ratio Lower Upper

180 100

182 93.0 48.4 145.2

145 31.3 14.9 44.9



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

