

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063504.D
 Acq On : 13 Aug 2019 00:36
 Operator : JC/SY
 Sample : VD0812SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Quant Time: Aug 13 09:11:06 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	7.05	168	980292	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1446240	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1207423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	613119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	623811	59.53	ug/l	0.00
Spiked Amount			Recovery	=	119.06%	
35) Dibromofluoromethane	6.93	113	641413	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.41	98	1381041	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	13.55	95	623666	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	242807	20.473	ug/l	95
3) Chloromethane	1.75	50	201071	21.700	ug/l	99
4) Vinyl Chloride	1.85	62	180031	19.571	ug/l	94
5) Bromomethane	2.14	94	94494	21.771	ug/l #	97
6) Chloroethane	2.25	64	85609	20.352	ug/l	92
7) Trichlorofluoromethane	2.53	101	408905	22.663	ug/l	94
8) Diethyl Ether	2.87	74	61535	24.155	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	227071	21.313	ug/l	96
10) Methyl Iodide	3.30	142	313939	20.826	ug/l	93
11) Tert butyl alcohol	4.09	59	58034	127.225	ug/l	94
12) 1,1-Dichloroethene	3.13	96	157453	19.878	ug/l	92
13) Acrolein	3.04	56	48357	107.700	ug/l	90
14) Allyl chloride	3.62	41	263019	22.088	ug/l	92
15) Acrylonitrile	4.19	53	150920	124.909	ug/l	90
16) Acetone	3.23	43	213900	100.418	ug/l	94
17) Carbon Disulfide	3.37	76	498990	19.960	ug/l	98
18) Methyl Acetate	3.65	43	112860	27.973	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	390526	24.652	ug/l	97
20) Methylene Chloride	3.82	84	203502	22.094	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	180798	21.690	ug/l	95
22) Diisopropyl ether	5.13	45	540846	22.011	ug/l	98
23) Vinyl Acetate	5.06	43	1604436	112.315	ug/l	98
24) 1,1-Dichloroethane	4.98	63	341412	22.402	ug/l	99
25) 2-Butanone	6.08	43	238112	113.185	ug/l	92
26) 2,2-Dichloropropane	6.02	77	308351	20.313	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	194217	21.296	ug/l	84
28) Bromochloromethane	6.43	49	130605	21.145	ug/l	86
29) Tetrahydrofuran	6.46	42	116004	118.336	ug/l	98
30) Chloroform	6.67	83	423182	22.339	ug/l	97
31) Cyclohexane	6.96	56	195687	20.683	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	382855	21.128	ug/l	94
36) 1,1-Dichloropropene	7.14	75	265784	20.789	ug/l	97
37) Ethyl Acetate	6.19	43	116187	21.687	ug/l	97
38) Carbon Tetrachloride	7.11	117	379184	19.679	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	198925	18.298	ug/l	95
40) Benzene	7.46	78	568329	20.200	ug/l	93
41) Methacrylonitrile	6.46	41	154900	22.964	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	306547	21.668	ug/l	96
43) Isopropyl Acetate	9.24	43	164539	22.932	ug/l #	94
44) Trichloroethene	8.54	130	218605	20.328	ug/l	99
45) 1,2-Dichloropropane	8.94	63	139877	21.349	ug/l	97
46) Dibromomethane	9.06	93	129526	23.149	ug/l	92
47) Bromodichloromethane	9.38	83	313346	21.832	ug/l	99
48) Methyl methacrylate	9.12	41	107247	22.040	ug/l	90
49) 1,4-Dioxane	9.08	88	21048	497.140	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	560745	114.210	ug/l	100
52) Toluene	10.51	92	382968	21.133	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	261493	22.325	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	286619	21.701	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	133827	21.862	ug/l	93
56) Ethyl methacrylate	11.04	69	155393	23.388	ug/l	97
57) 1,3-Dichloropropane	11.41	76	201800	21.809	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	347785	99.148	ug/l	97
59) 2-Hexanone	11.53	43	409578	114.648	ug/l	96
60) Dibromochloromethane	11.69	129	247489	22.218	ug/l	93
61) 1,2-Dibromoethane	11.81	107	168400	22.724	ug/l	96
64) Tetrachloroethene	11.26	164	186012	19.956	ug/l	94
65) Chlorobenzene	12.40	112	510847	22.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	213792	21.466	ug/l	95
67) Ethyl Benzene	12.52	91	847086	21.528	ug/l	95
68) m/p-Xylenes	12.67	106	581292	42.049	ug/l	92
69) o-Xylene	13.05	106	278330	20.919	ug/l	95
70) Styrene	13.07	104	493728	20.861	ug/l	98
71) Bromoform	13.24	173	152914	22.392	ug/l	99
73) Isopropylbenzene	13.40	105	845884	21.691	ug/l	97
74) N-amyl acetate	13.27	43	201493	20.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	153021	23.640	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	161308	22.924	ug/l	96
77) Bromobenzene	13.67	156	244037	22.897	ug/l	95
78) n-propylbenzene	13.78	91	976773	21.407	ug/l	100
79) 2-Chlorotoluene	13.84	91	590520	22.446	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	713949	20.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	39550	20.912	ug/l #	89
82) 4-Chlorotoluene	13.95	91	688134	21.752	ug/l	100
83) tert-Butylbenzene	14.19	119	820108	22.856	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	701358	22.246	ug/l	97
85) sec-Butylbenzene	14.37	105	788884	20.703	ug/l	95
86) p-Isopropyltoluene	14.49	119	788868	21.652	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	431535	22.384	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	416447	22.515	ug/l	96
89) n-Butylbenzene	14.80	91	684074	20.572	ug/l	99
90) Hexachloroethane	15.01	117	202510	22.114	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	367679	22.479	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26699	21.906	ug/l	83

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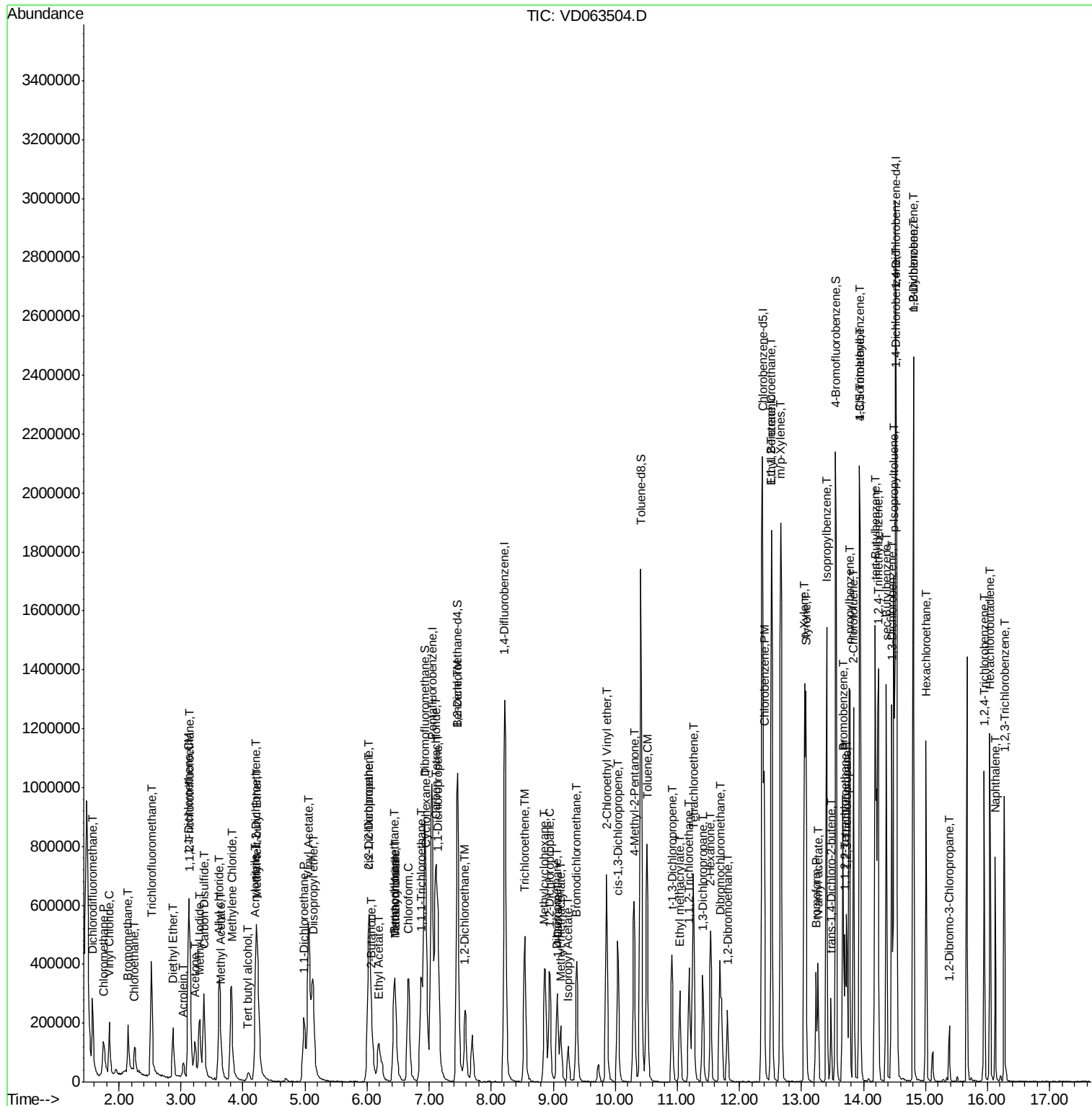
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	258176	21.451	ug/l	99
94) Hexachlorobutadiene	16.03	225	186733	20.357	ug/l	96
95) Naphthalene	16.12	128	426890	23.404	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	226732	23.324	ug/l	99

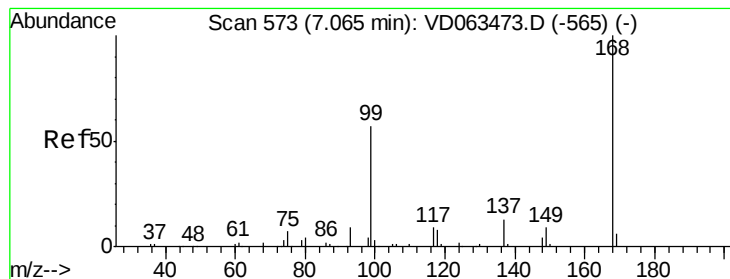
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

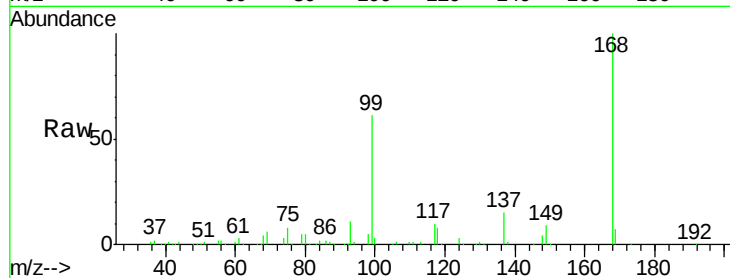
VD0812SBS02

Tot Ion:168 Resp: 980292

Ion Ratio Lower Upper

168 100

99 61.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

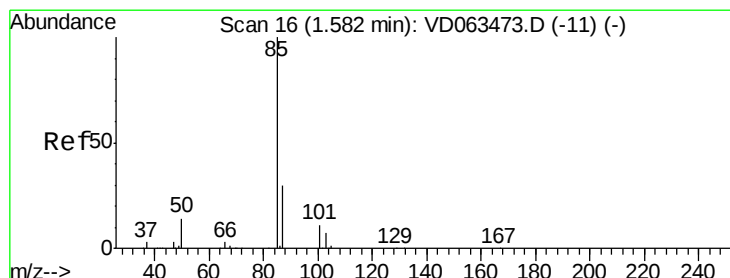
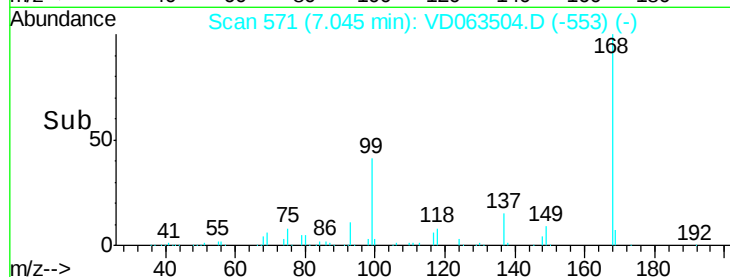
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.473 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063504.D

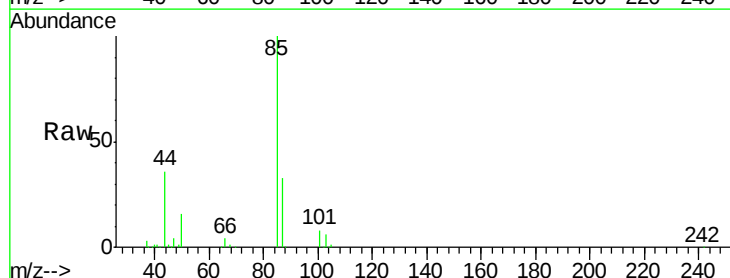
Acq: 13 Aug 2019 00:36

Tgt Ion: 85 Resp: 242807

Ion Ratio Lower Upper

85 100

87 32.7 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

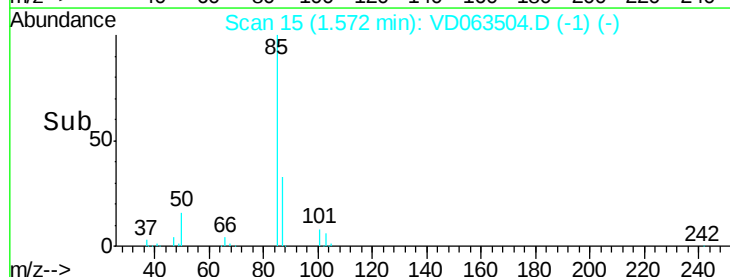
150000

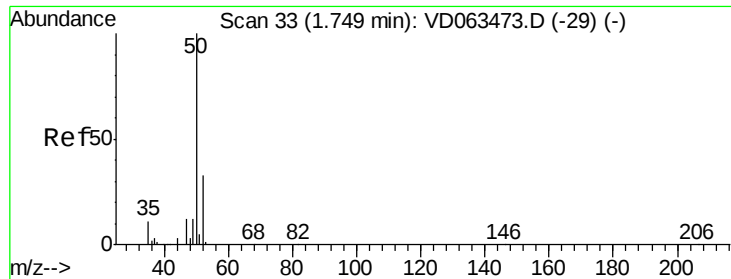
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.700 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

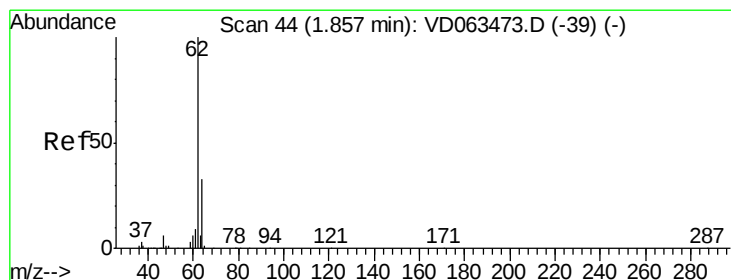
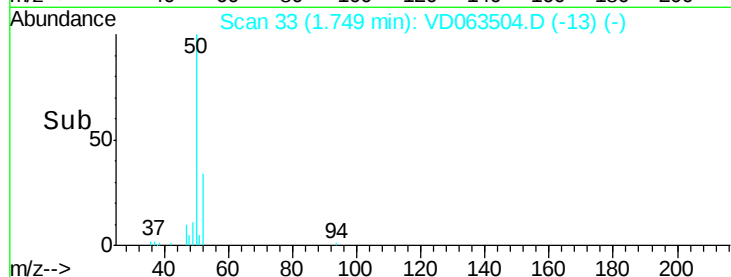
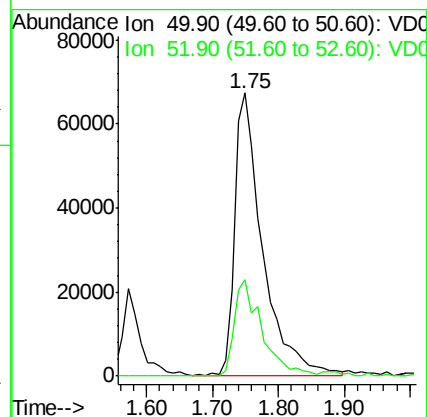
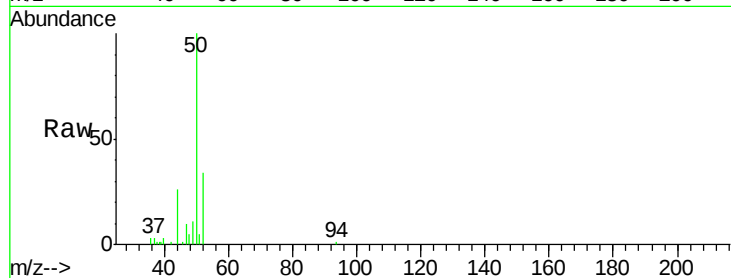
VD0812SBS02

Tot Ion: 50 Resp: 201071

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 19.571 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063504.D

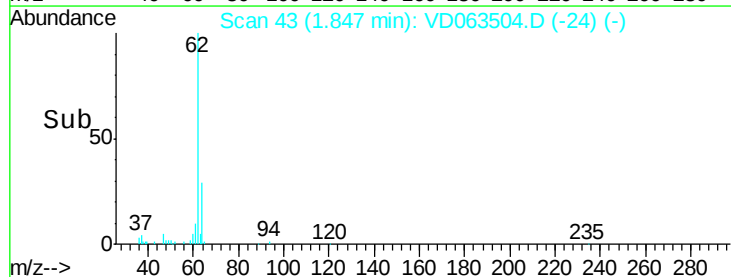
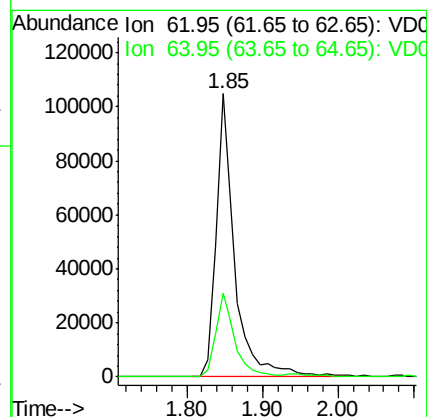
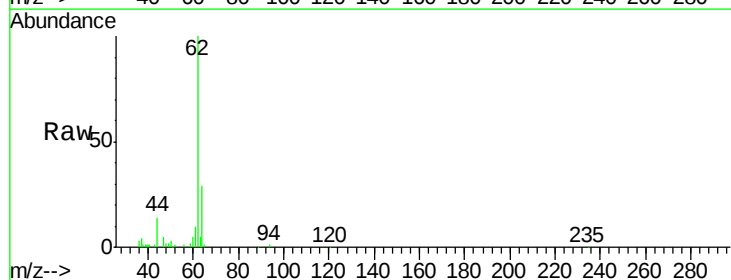
Acq: 13 Aug 2019 00:36

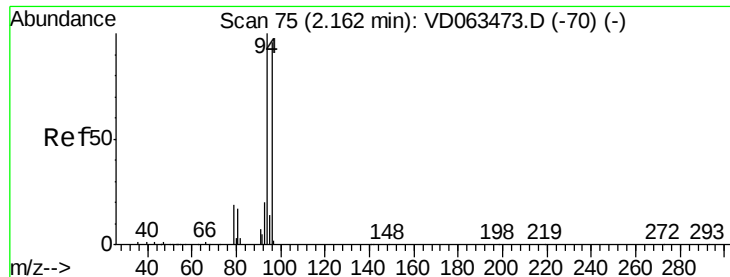
Tgt Ion: 62 Resp: 180031

Ion Ratio Lower Upper

62 100

64 29.5 26.4 39.6





#5

Bromomethane

Concen: 21.771 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

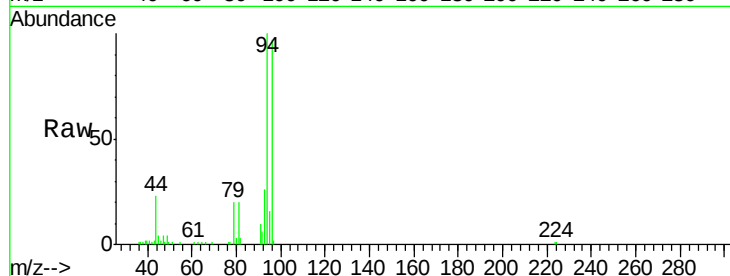
Tot Ion: 94 Resp: 94494

Ion Ratio Lower Upper

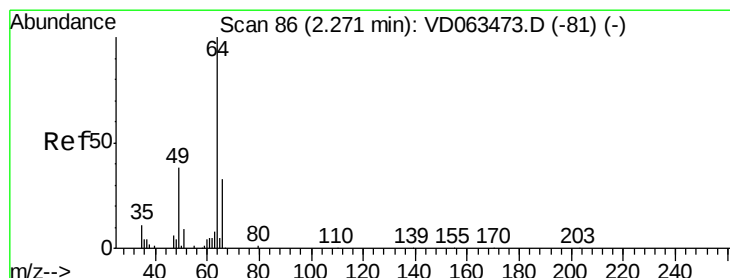
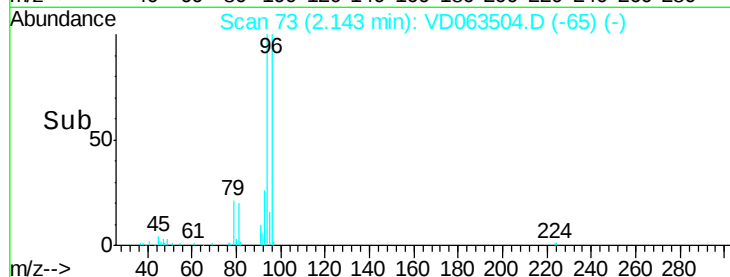
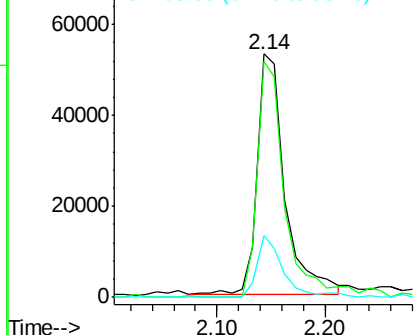
94 100

96 97.1 76.5 114.7

93 25.6 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: 20.352 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063504.D

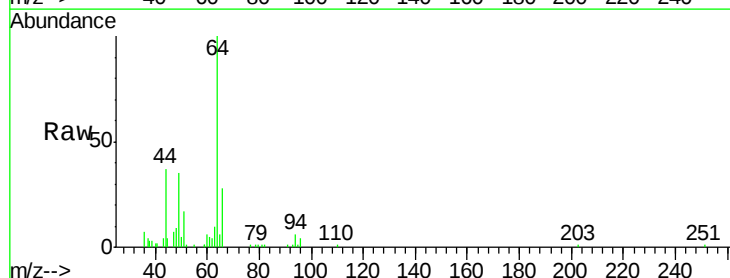
Acq: 13 Aug 2019 00:36

Tgt Ion: 64 Resp: 85609

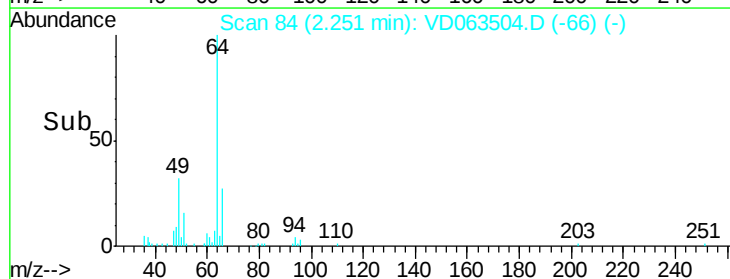
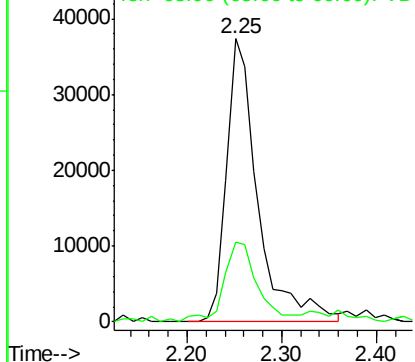
Ion Ratio Lower Upper

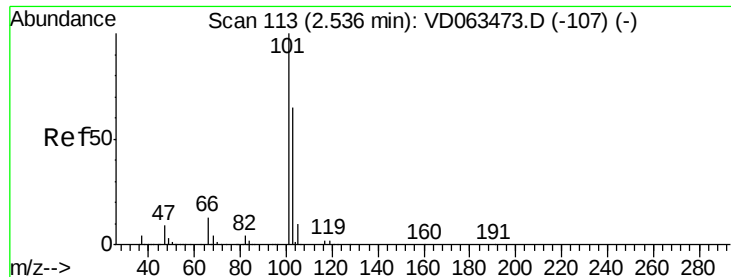
64 100

66 28.3 26.3 39.5



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



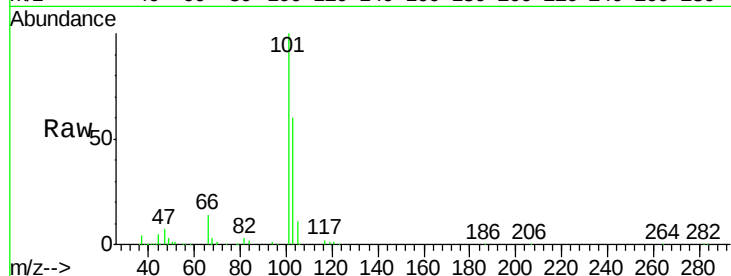


#7

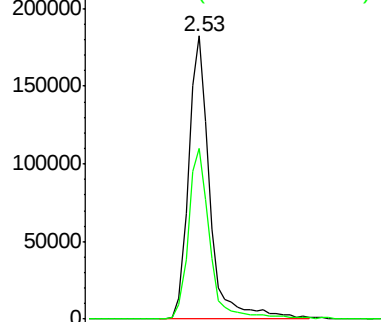
Trichlorofluoromethane
 Concen: 22.663 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
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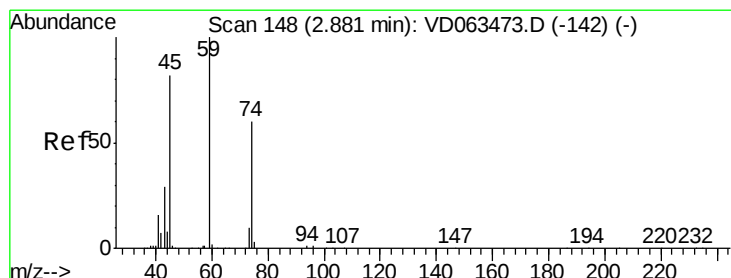
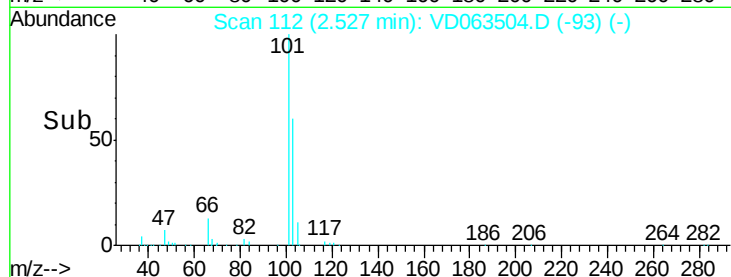
Tot Ion:101 Resp: 408905
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.2 78.4



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



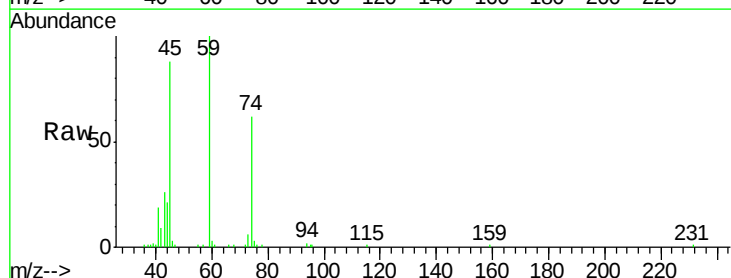
Time-->



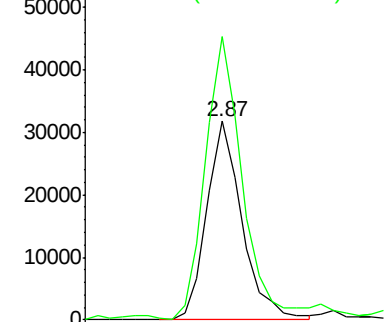
#8

Diethyl Ether
 Concen: 24.155 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

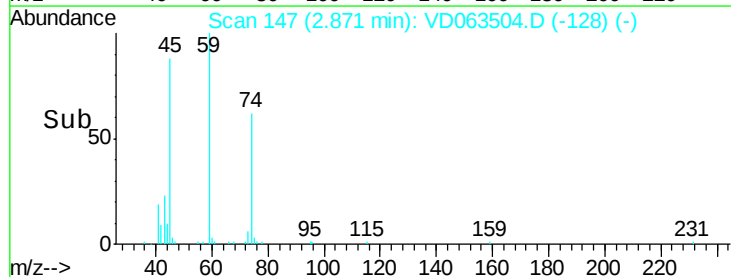
Tgt Ion: 74 Resp: 61535
 Ion Ratio Lower Upper
 74 100
 45 142.4 68.5 205.5



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



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.313 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

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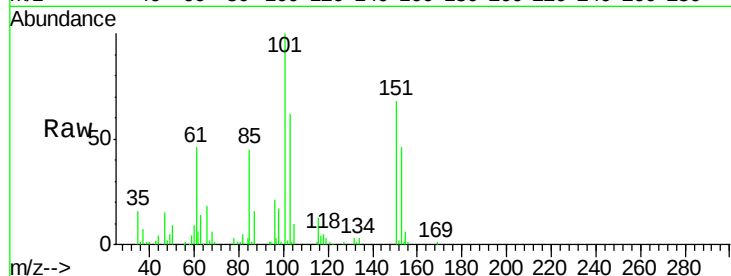
Tot Ion:101 Resp: 227071

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.6

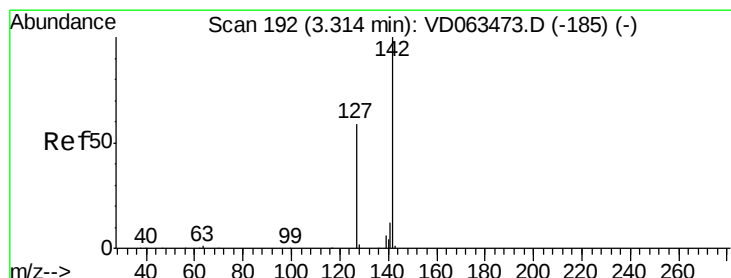
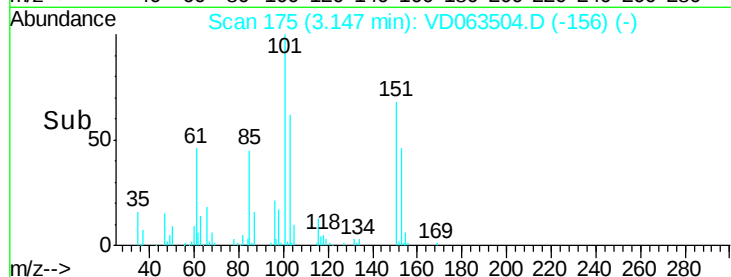
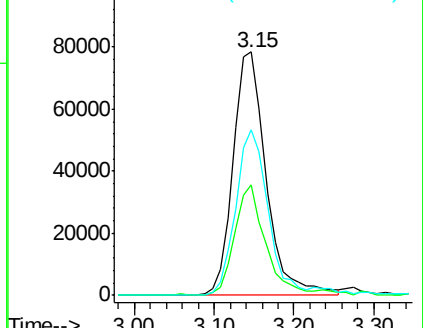
151 68.1 58.6 88.0



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: 20.826 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

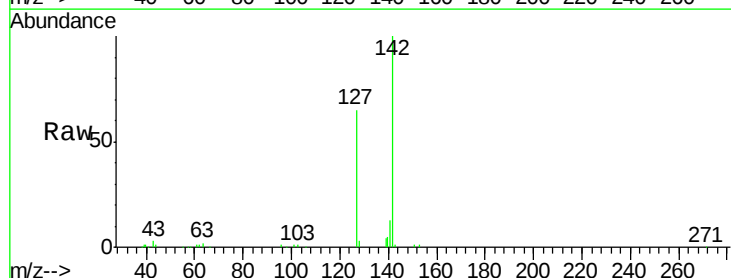
Tgt Ion:142 Resp: 313939

Ion Ratio Lower Upper

142 100

127 64.8 47.2 70.8

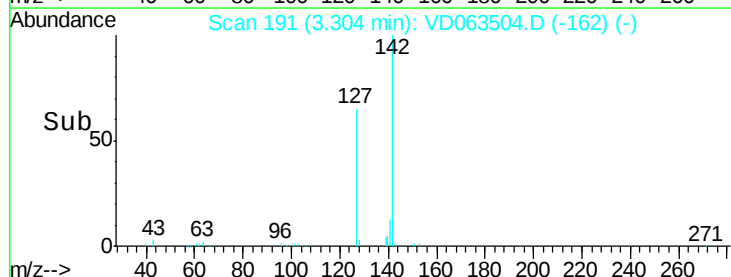
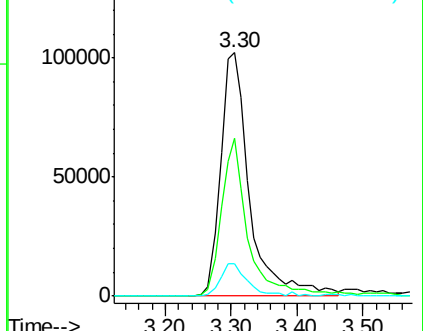
141 13.2 9.8 14.8

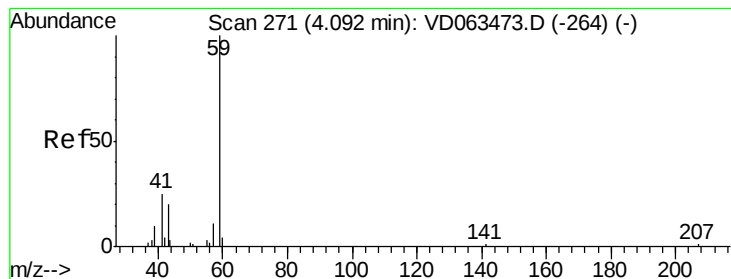


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 127.225 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

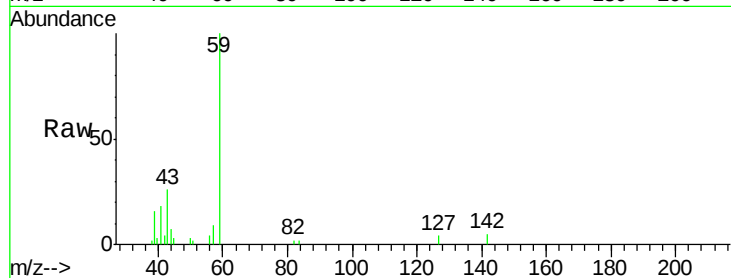
VD0812SBS02

Tot Ion: 59 Resp: 58034

Ion Ratio Lower Upper

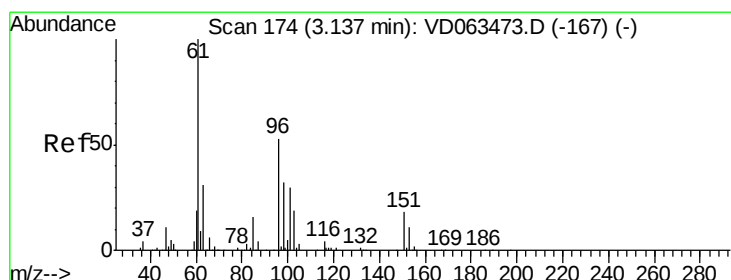
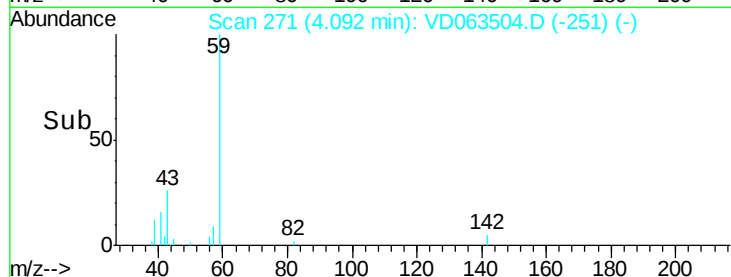
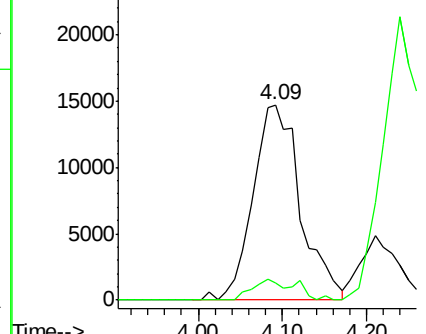
59 100

57 8.8 8.7 13.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 19.878 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

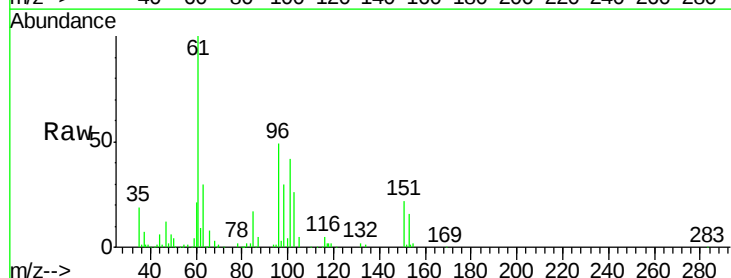
Tgt Ion: 96 Resp: 157453

Ion Ratio Lower Upper

96 100

61 204.5 151.7 227.5

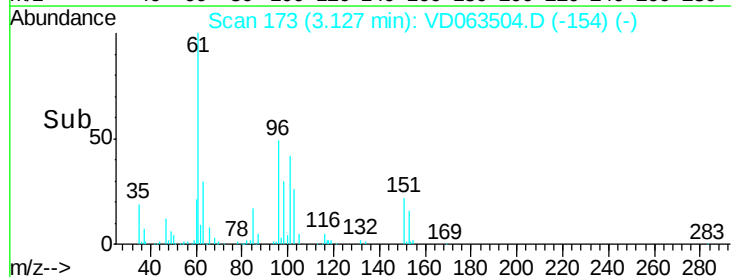
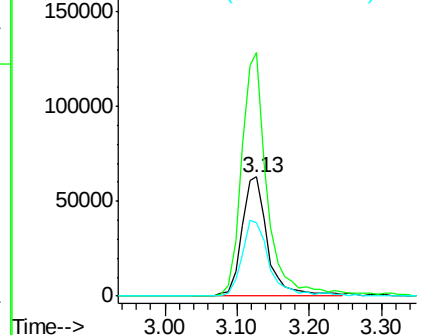
98 61.2 48.4 72.6

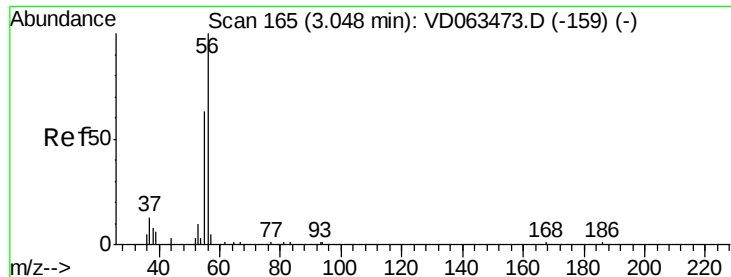


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 107.700 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

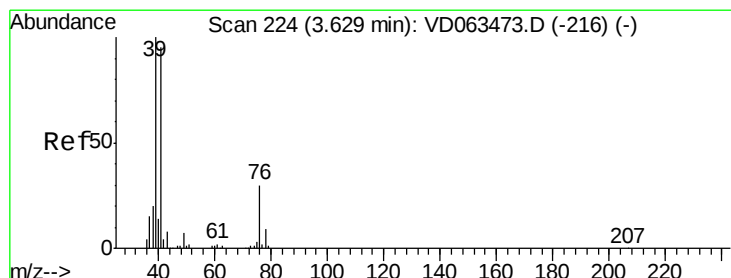
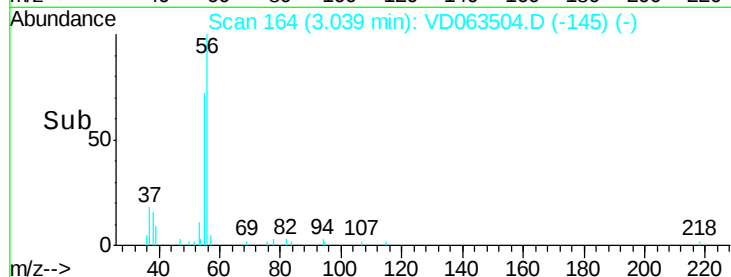
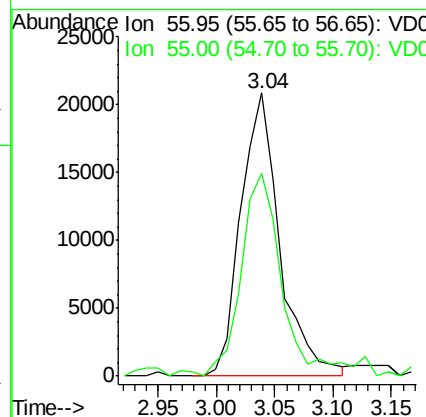
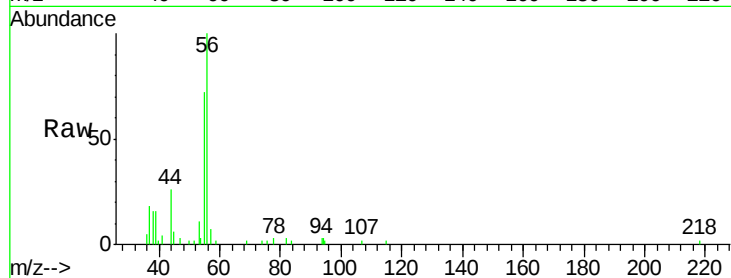
VD0812SBS02

Tot Ion: 56 Resp: 48357

Ion Ratio Lower Upper

56 100

55 71.8 51.3 76.9



#14

Allyl chloride

Concen: 22.088 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

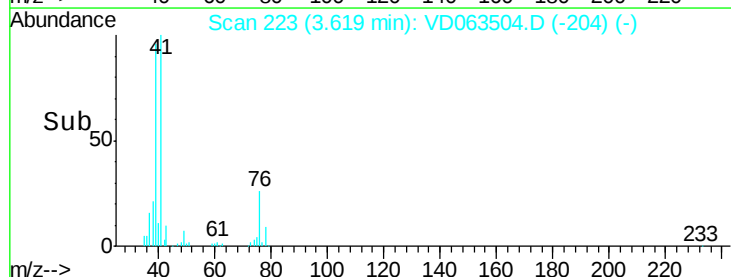
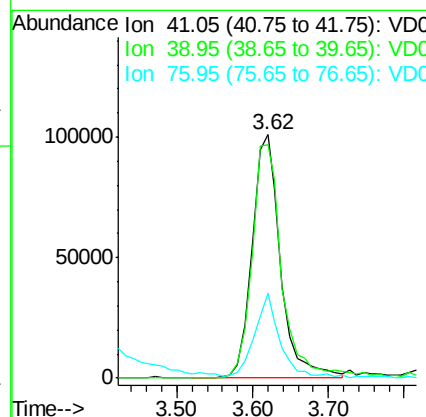
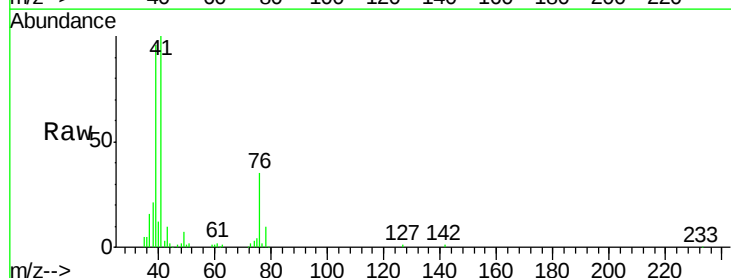
Tgt Ion: 41 Resp: 263019

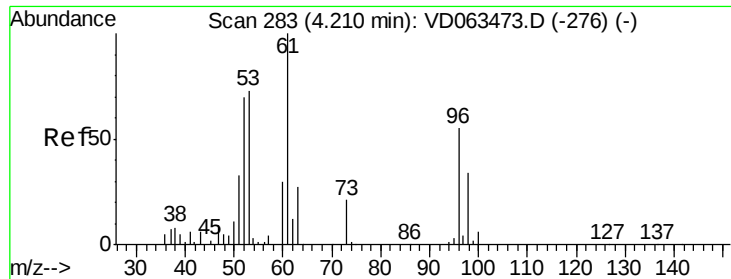
Ion Ratio Lower Upper

41 100

39 95.9 84.2 126.4

76 34.6 26.0 39.0





#15

Acrylonitrile

Concen: 124.909 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

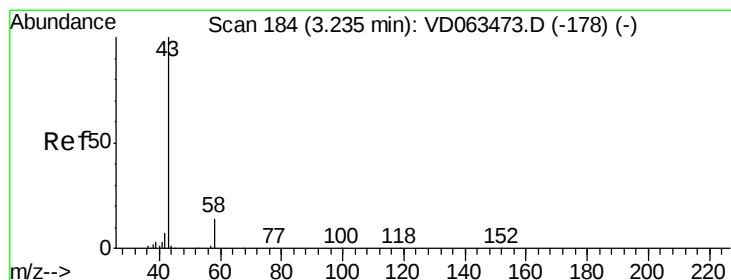
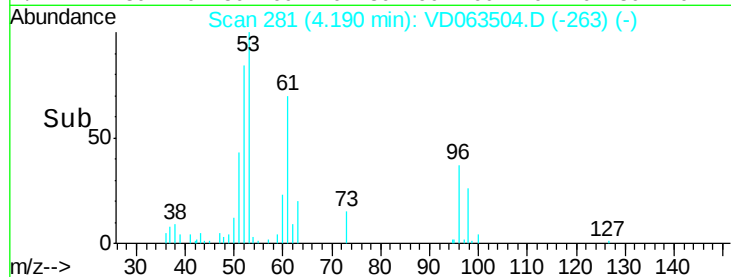
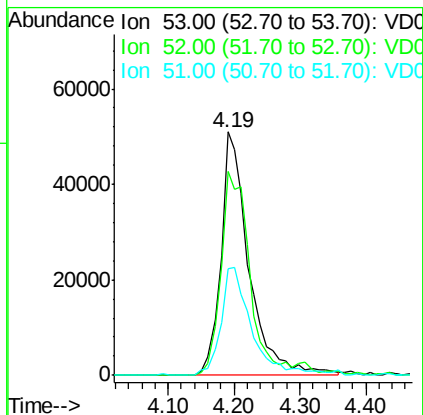
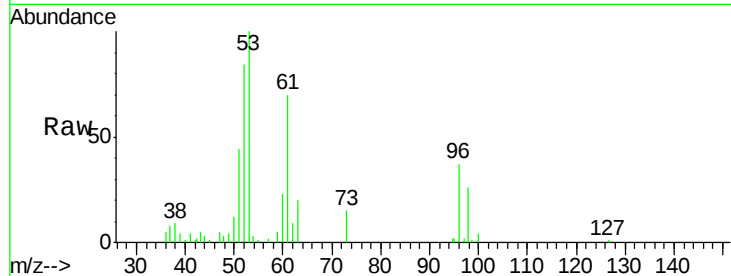
Tot Ion: 53 Resp: 150920

Ion Ratio Lower Upper

53 100

52 83.9 77.4 116.0

51 43.8 36.7 55.1



#16

Acetone

Concen: 100.418 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063504.D

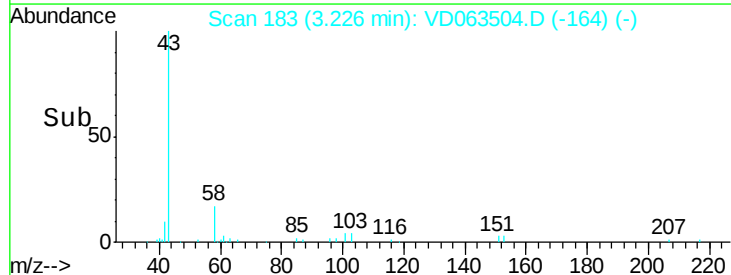
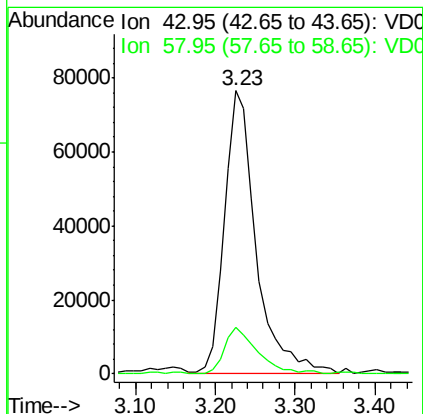
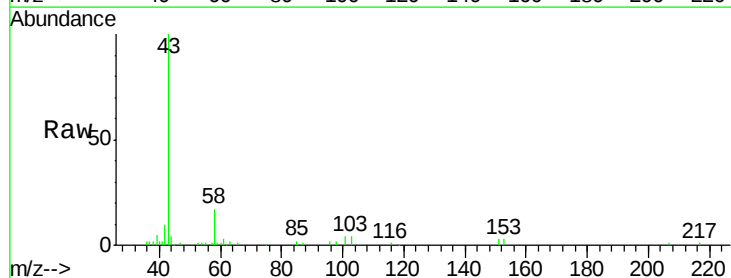
Acq: 13 Aug 2019 00:36

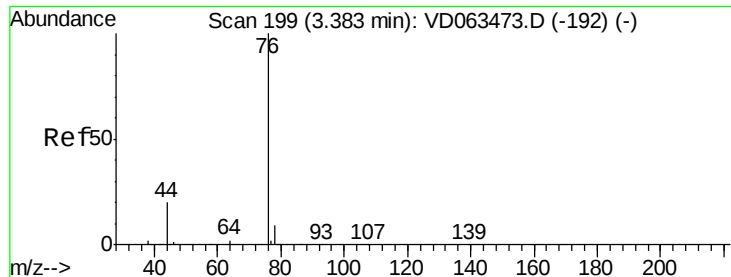
Tgt Ion: 43 Resp: 213900

Ion Ratio Lower Upper

43 100

58 16.6 11.4 17.2

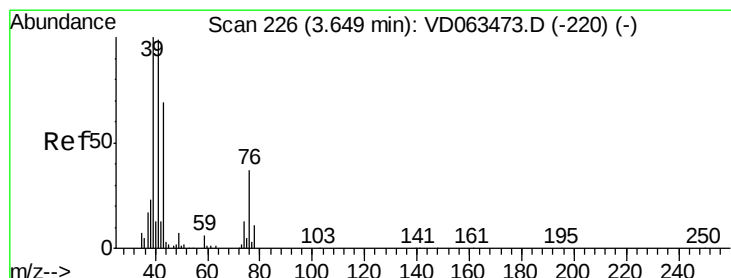
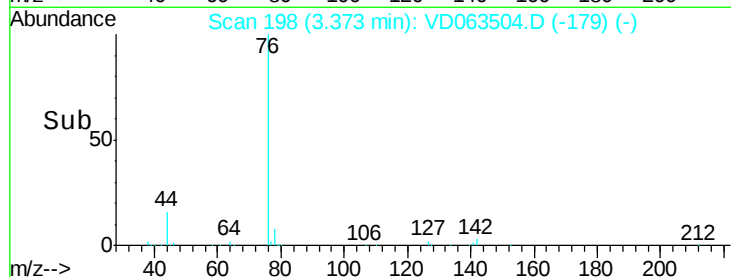
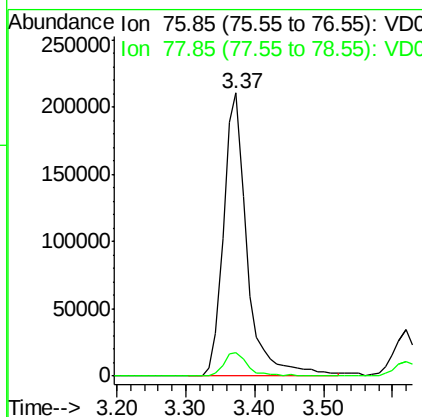
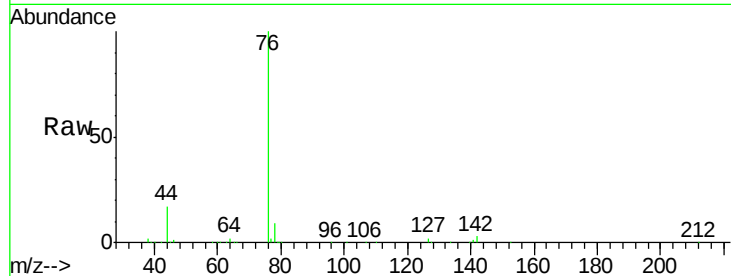




#17
Carbon Disulfide
Concen: 19.960 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

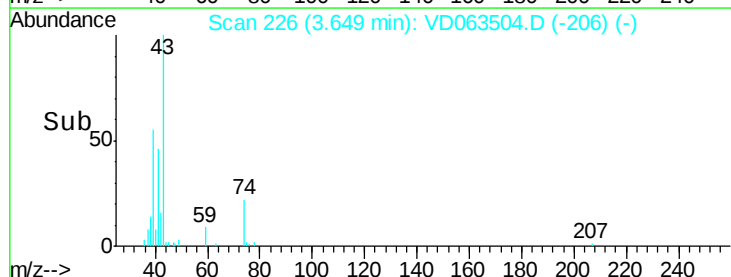
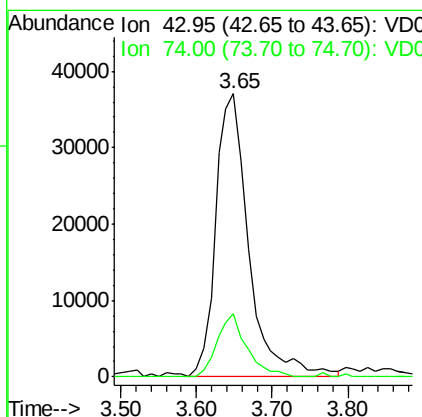
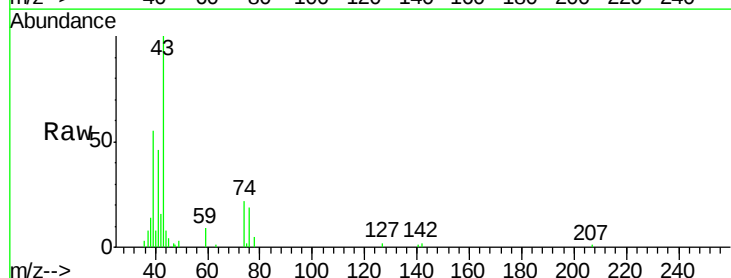
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

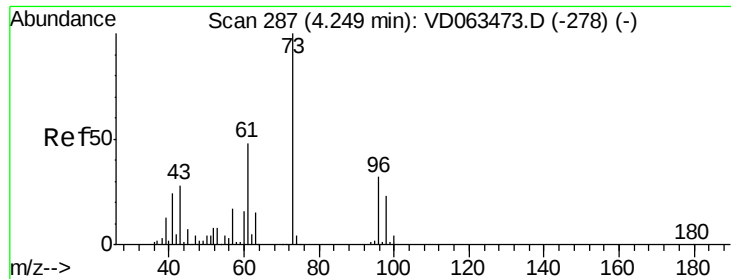
Tot Ion: 76 Resp: 498990
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 27.973 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 43 Resp: 112860
Ion Ratio Lower Upper
43 100
74 22.1 15.4 23.2

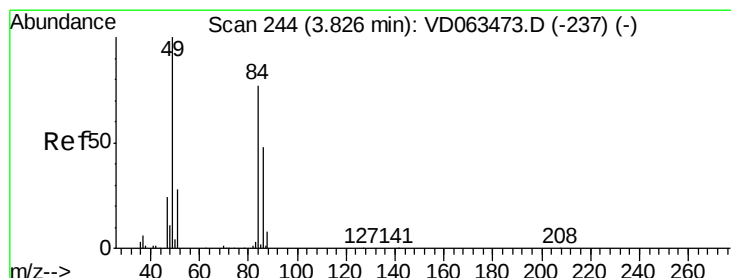
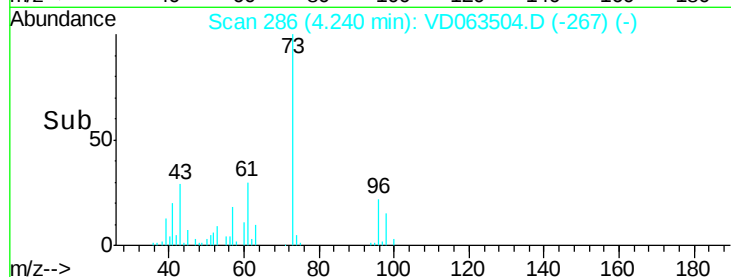
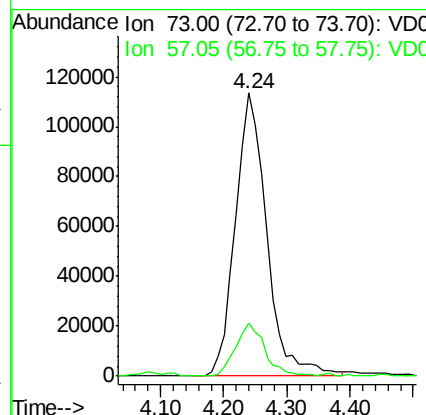
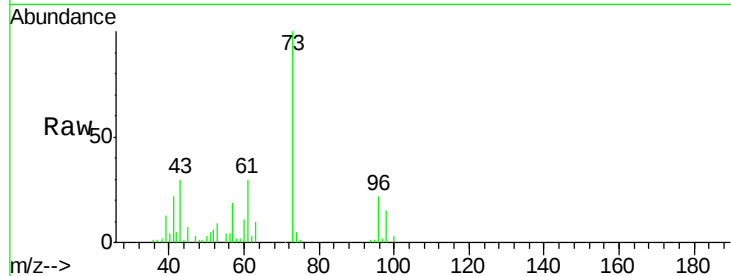




#19
Methyl tert-butyl Ether
Concen: 24.652 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

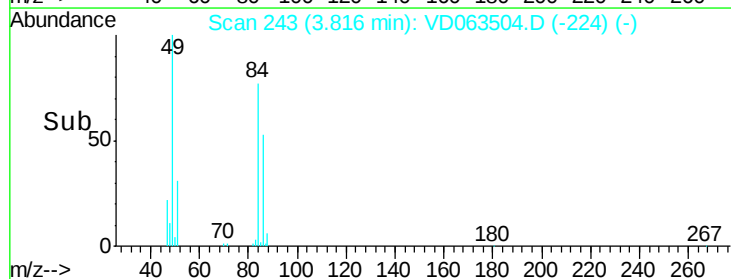
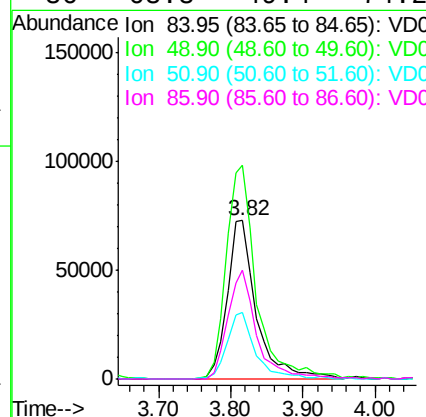
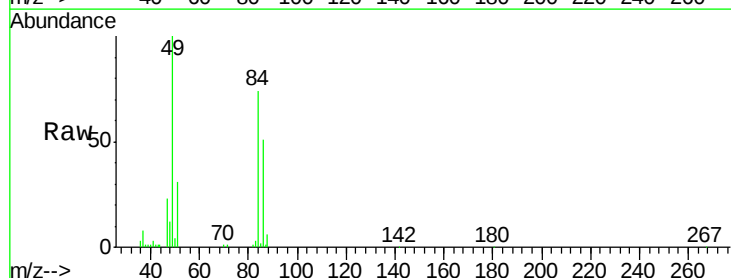
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

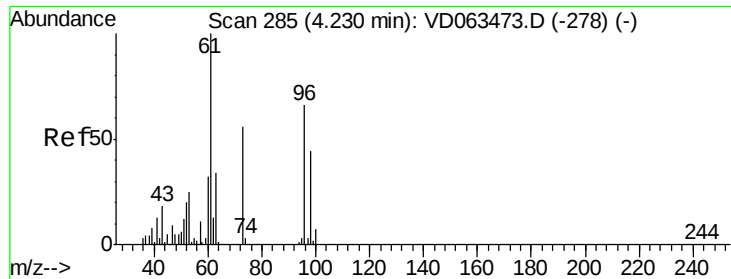
Tot Ion: 73 Resp: 390526
Ion Ratio Lower Upper
73 100
57 18.8 14.0 21.0



#20
Methylene Chloride
Concen: 22.094 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 84 Resp: 203502
Ion Ratio Lower Upper
84 100
49 134.6 103.4 155.2
51 42.3 28.5 42.7
86 68.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.690 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

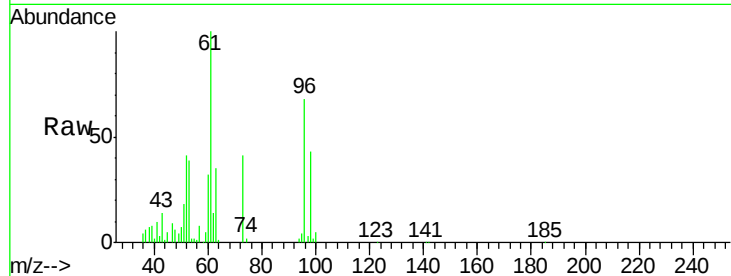
Tot Ion: 96 Resp: 180798

Ion Ratio Lower Upper

96 100

61 146.1 121.7 182.5

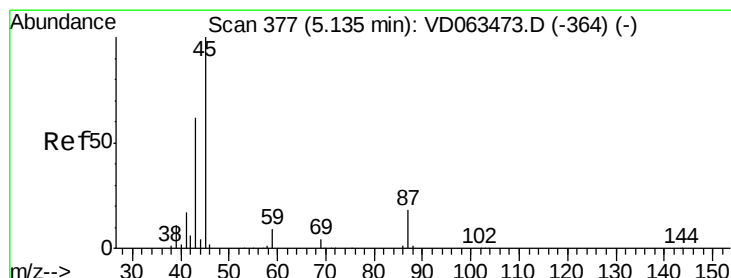
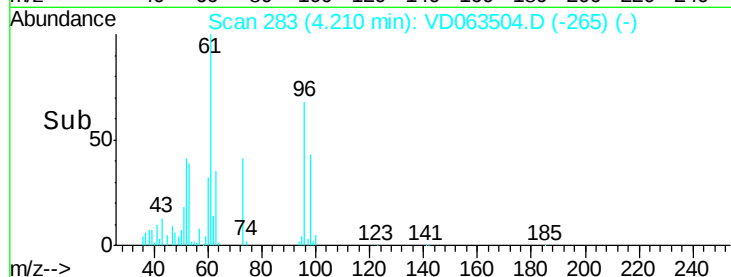
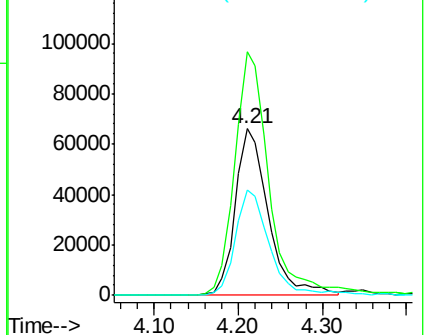
98 63.5 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.011 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Tgt Ion: 45 Resp: 540846

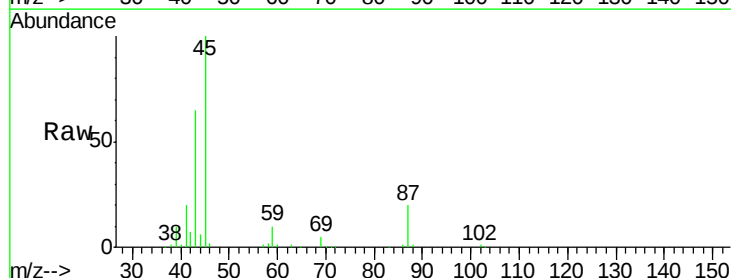
Ion Ratio Lower Upper

45 100

43 64.7 50.3 75.5

87 19.7 14.3 21.5

59 9.9 7.7 11.5

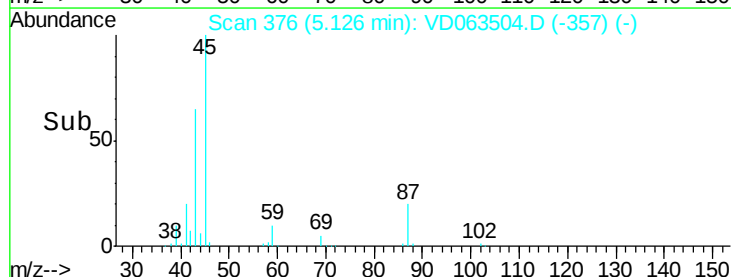
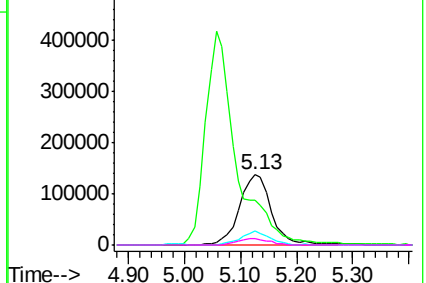


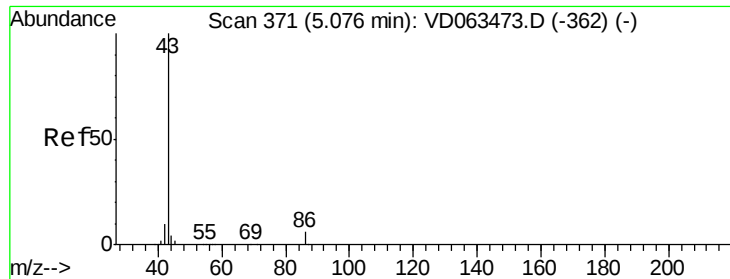
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 112.315 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

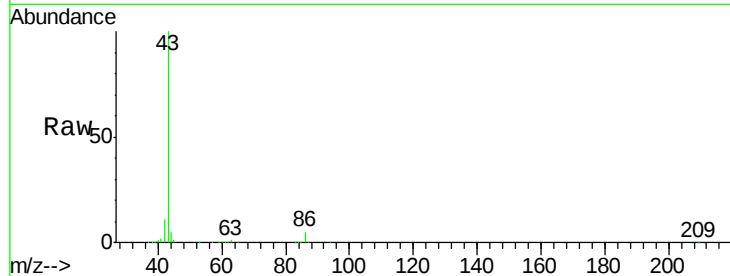
VD0812SBS02

Tot Ion: 43 Resp: 1604436

Ion Ratio Lower Upper

43 100

86 5.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

300000

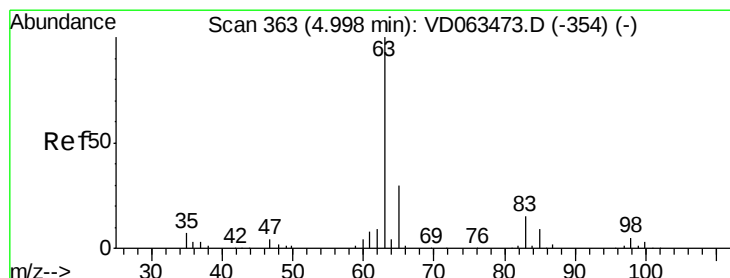
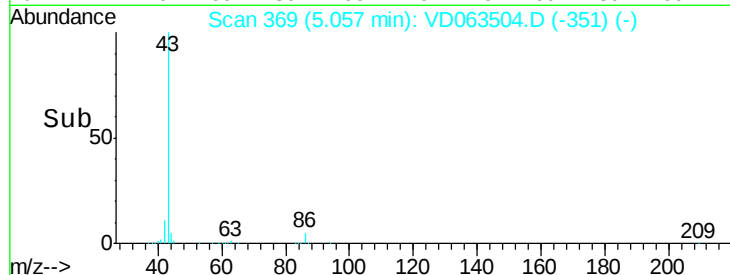
200000

100000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 22.402 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

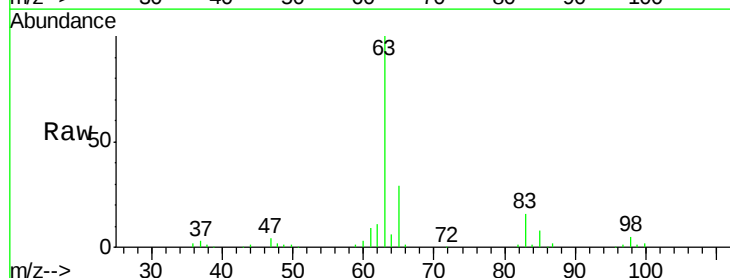
Tgt Ion: 63 Resp: 341412

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.2

100 2.1 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

4.98

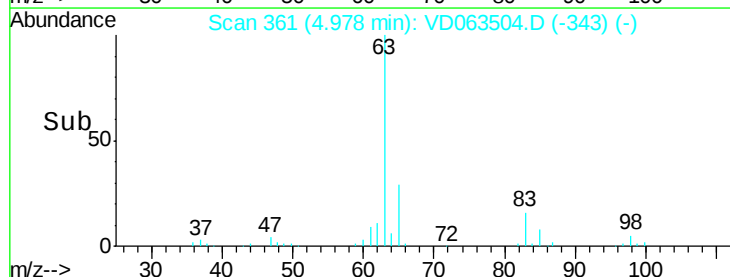
100000

50000

0

4.80 4.90 5.00 5.10 5.20

Time-->

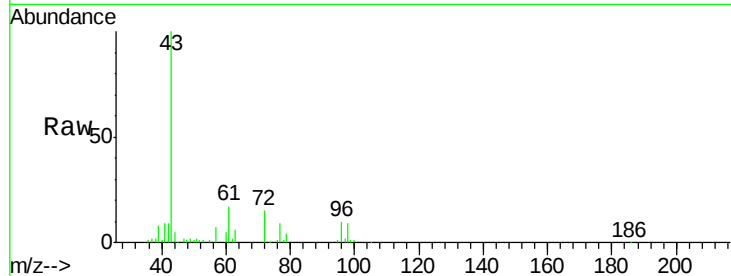




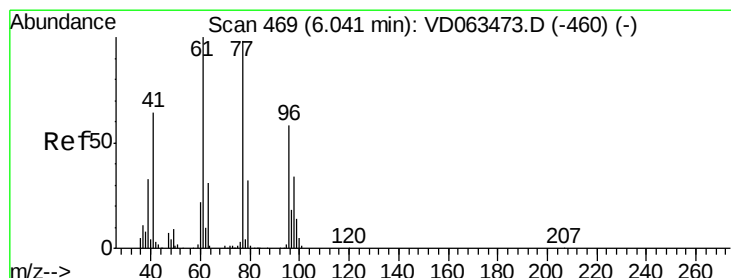
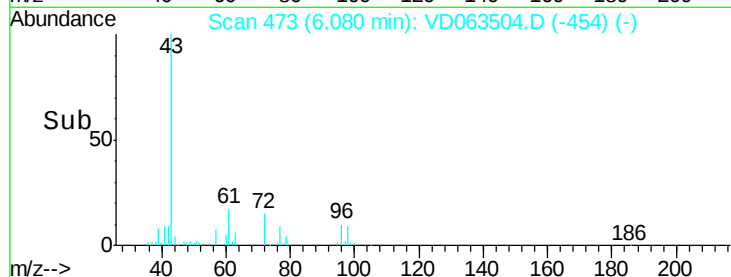
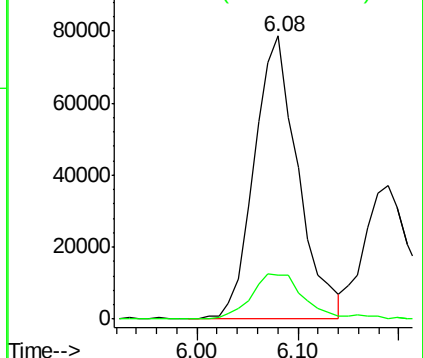
#25
2-Butanone
Concen: 113.185 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

Tot Ion: 43 Resp: 238112
Ion Ratio Lower Upper
43 100
72 15.5 15.1 22.7

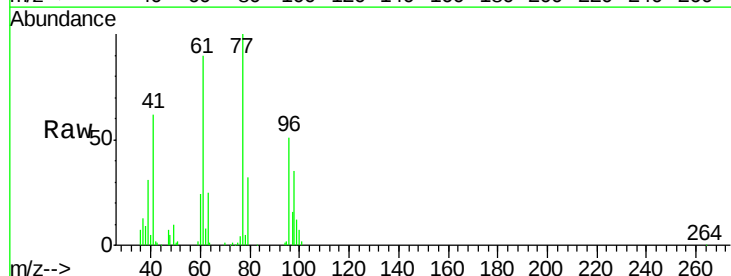


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

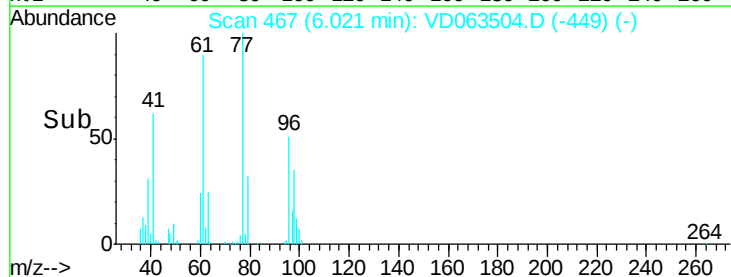
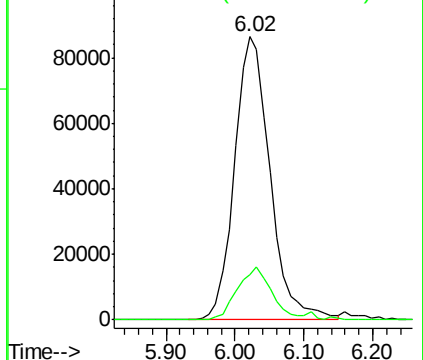


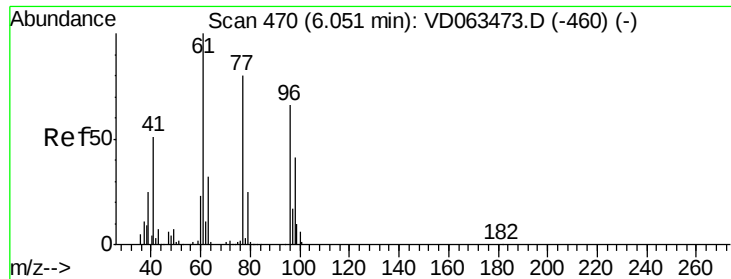
#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 77 Resp: 308351
Ion Ratio Lower Upper
77 100
97 15.9 9.0 27.1



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



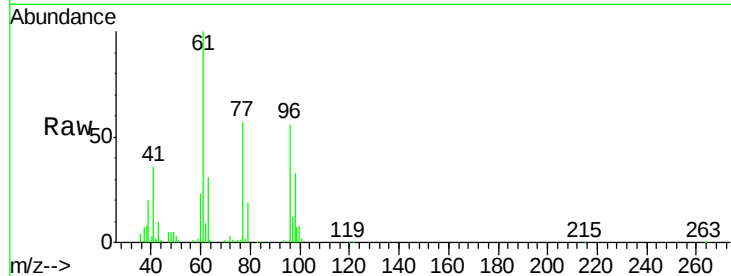


#27

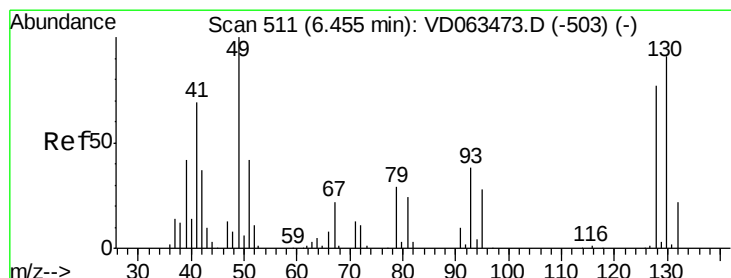
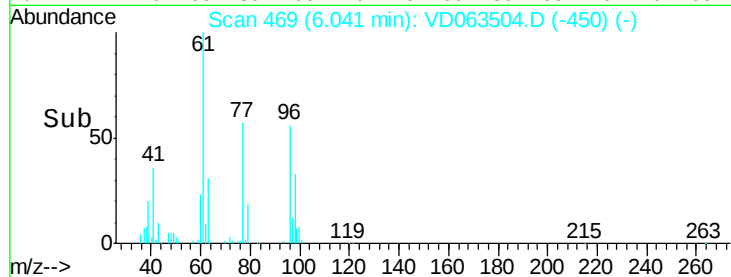
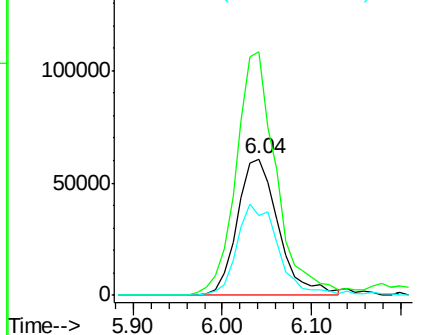
cis-1,2-Dichloroethene
Concen: 21.296 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

Tot Ion	96	Resp	194217
Ion	Ratio	Lower	Upper
96	100		
61	178.1	0.0	304.0
98	58.0	0.0	124.8



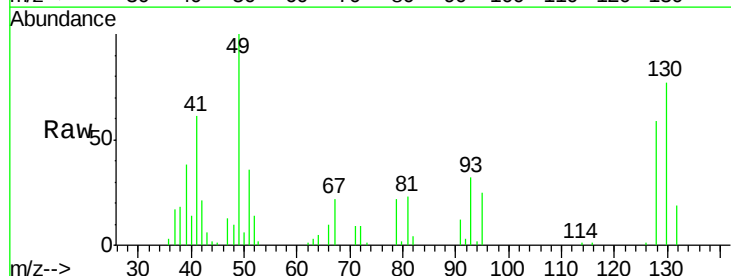
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



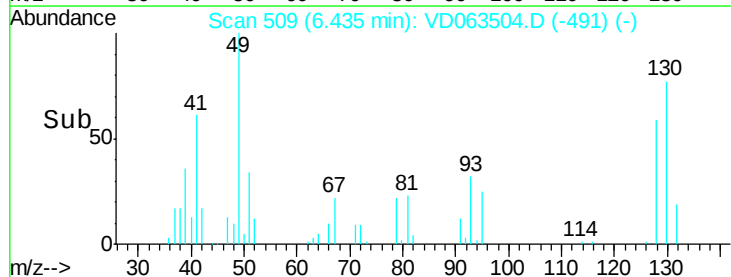
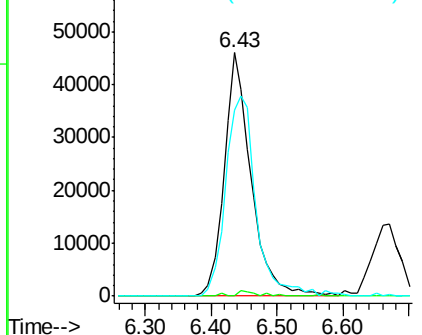
#28

Bromochloromethane
Concen: 21.145 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion	49	Resp	130605
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	76.7	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 118.336 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

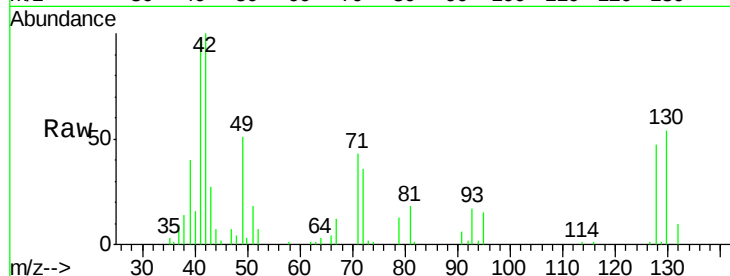
Tot Ion: 42 Resp: 116004

Ion Ratio Lower Upper

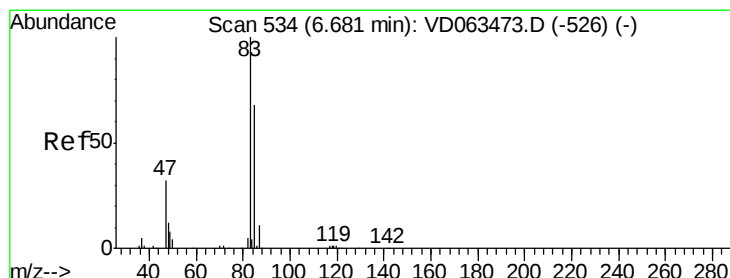
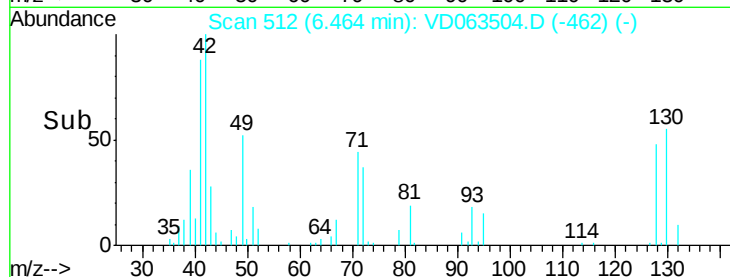
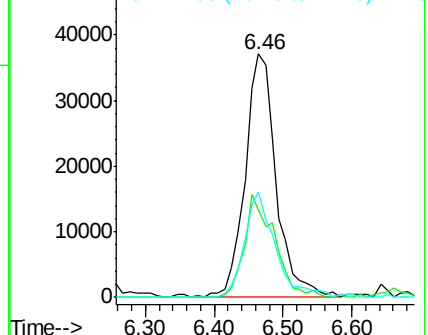
42 100

72 41.5 31.5 47.3

71 42.9 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: 22.339 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063504.D

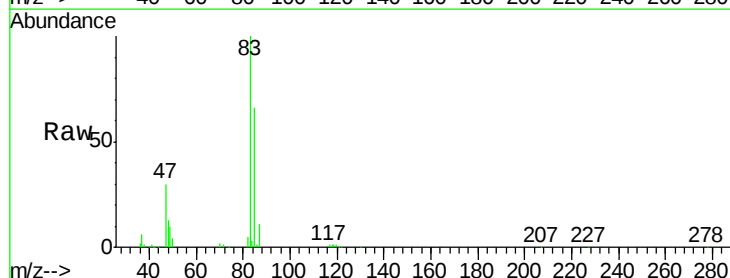
Acq: 13 Aug 2019 00:36

Tgt Ion: 83 Resp: 423182

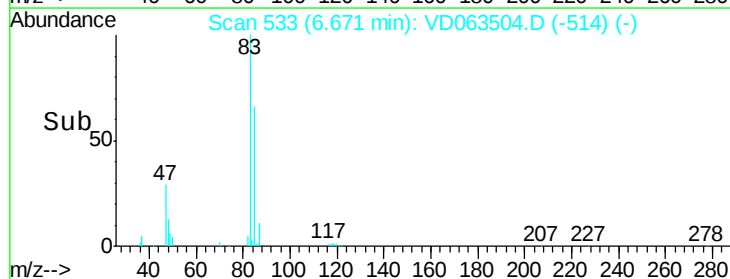
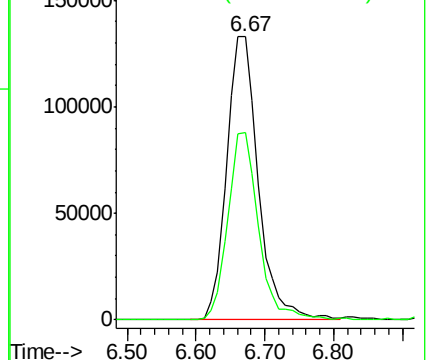
Ion Ratio Lower Upper

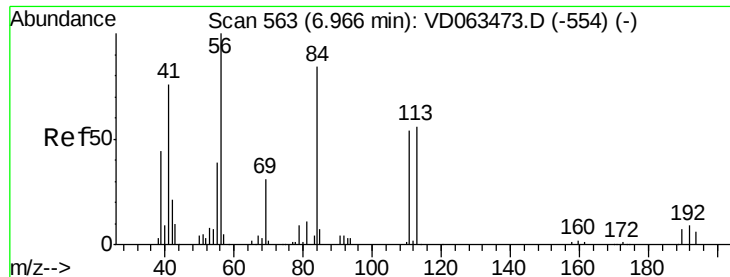
83 100

85 66.3 54.8 82.2



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

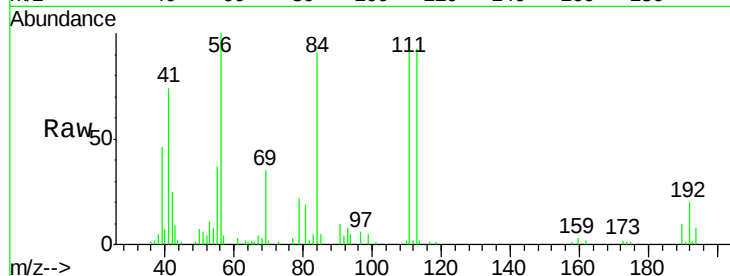




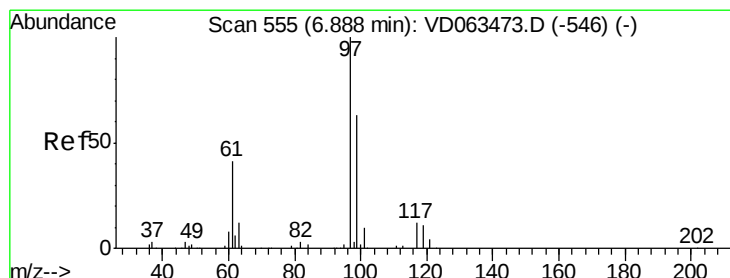
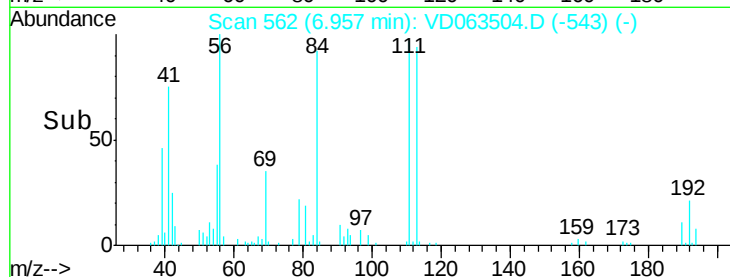
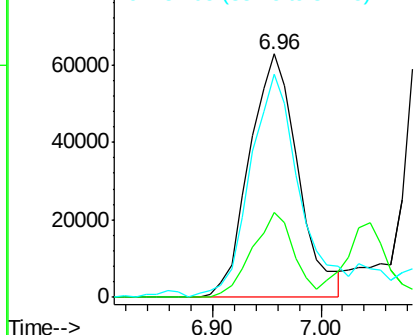
#31
Cyclohexane
Concen: 20.683 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

Tot Ion: 56 Resp: 195687
Ion Ratio Lower Upper
56 100
69 35.0 25.0 37.6
84 91.4 69.7 104.5

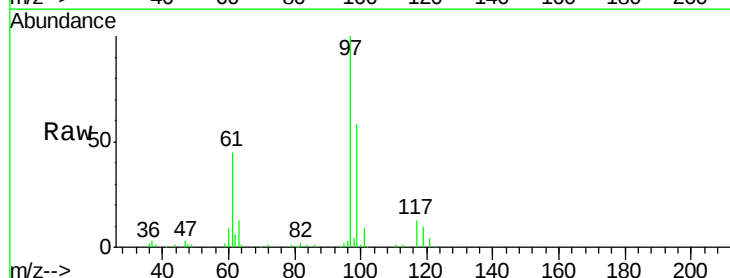


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

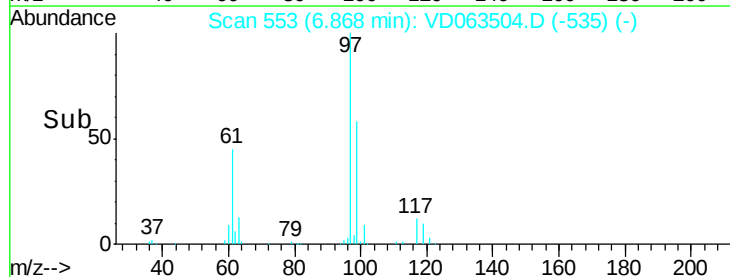
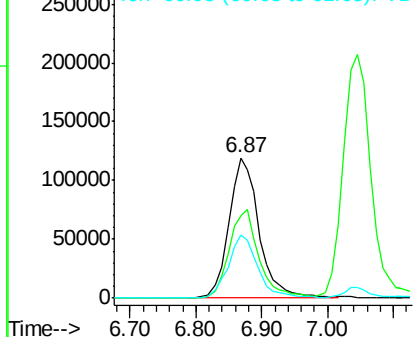


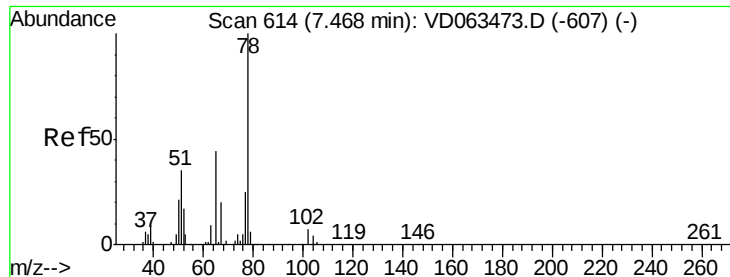
#32
1,1,1-Trichloroethane
Concen: 21.128 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 97 Resp: 382855
Ion Ratio Lower Upper
97 100
99 58.3 50.2 75.4
61 44.9 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: 59.532 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

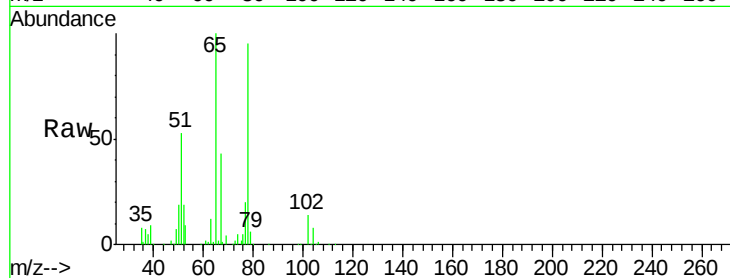
VD0812SBS02

Tot Ion: 65 Resp: 623811

Ion Ratio Lower Upper

65 100

67 43.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

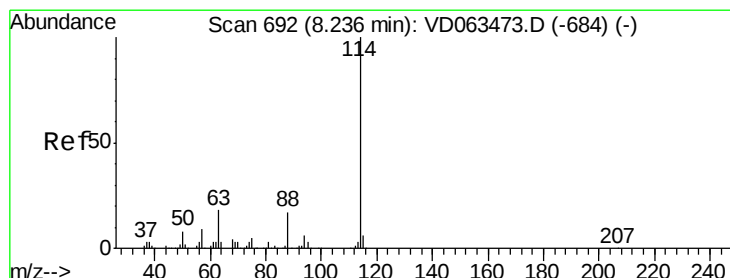
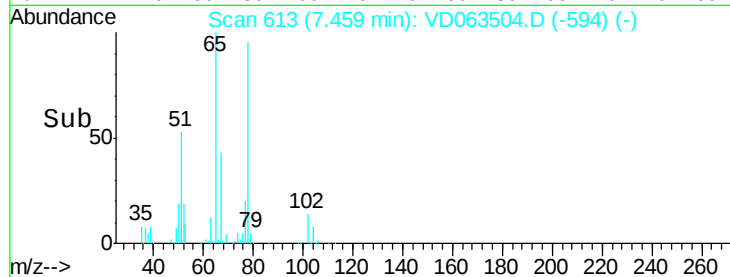
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

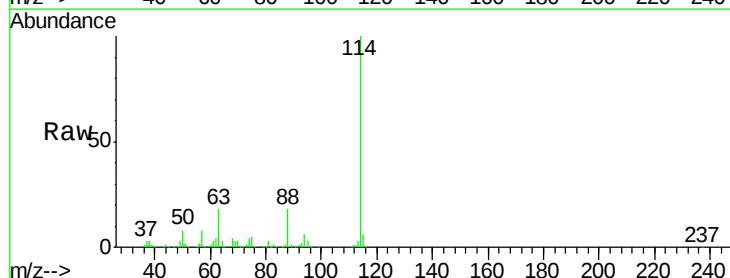
Tgt Ion: 114 Resp: 1446240

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

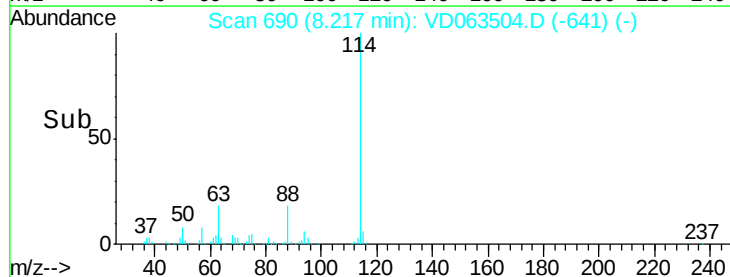
600000

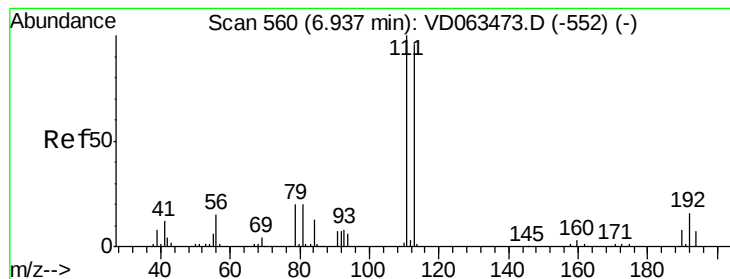
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 52.660 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

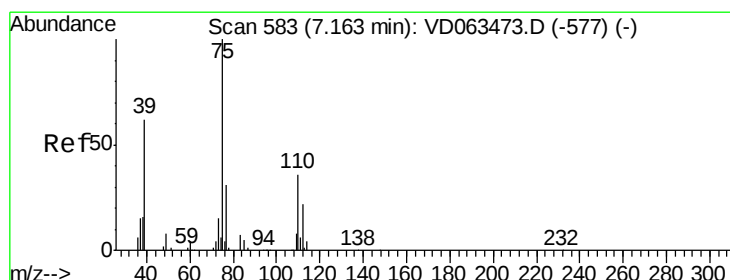
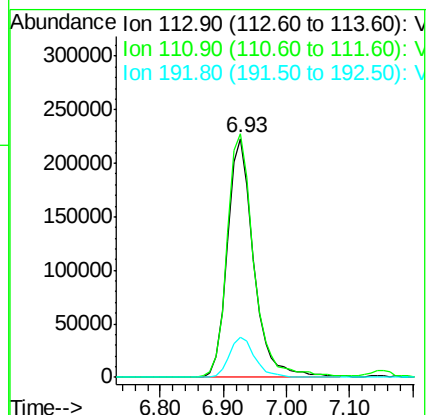
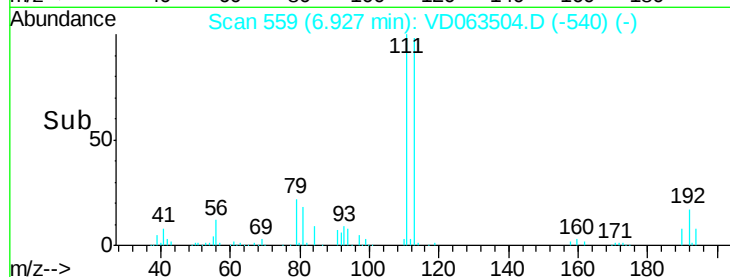
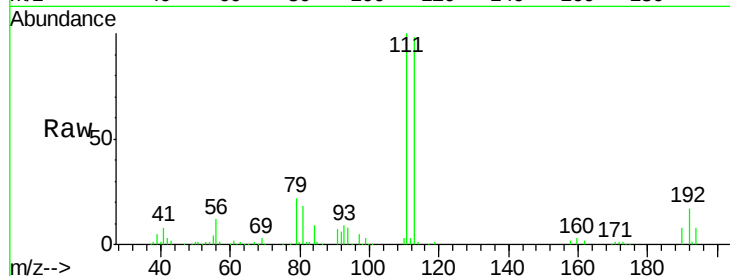
Tot Ion:113 Resp: 641413

Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

192 17.0 13.1 19.7



#36

1,1-Dichloropropene

Concen: 20.789 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

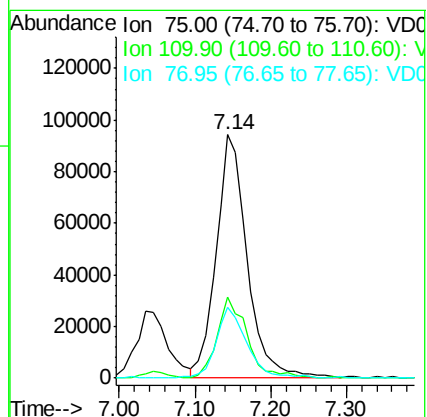
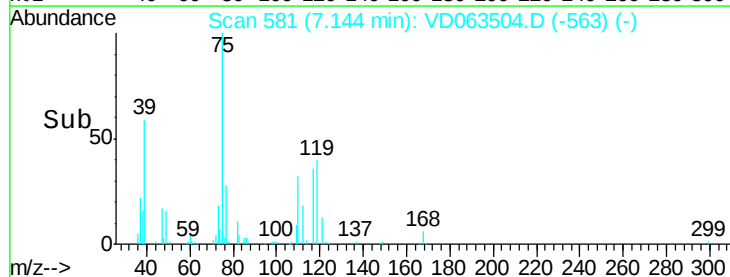
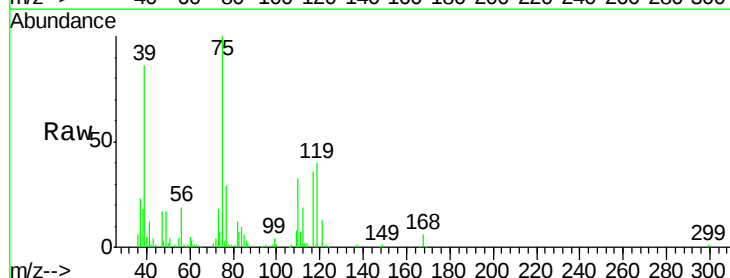
Tgt Ion: 75 Resp: 265784

Ion Ratio Lower Upper

75 100

110 33.5 17.6 52.8

77 29.1 24.3 36.5

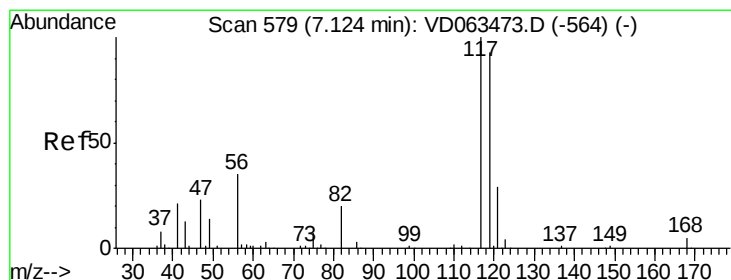
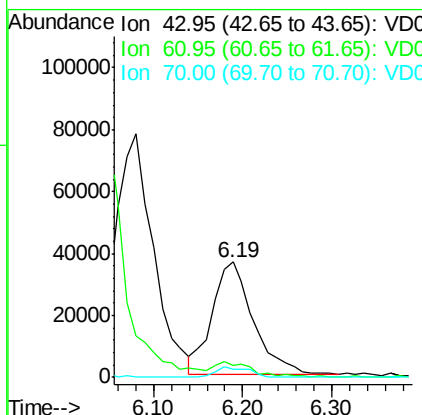
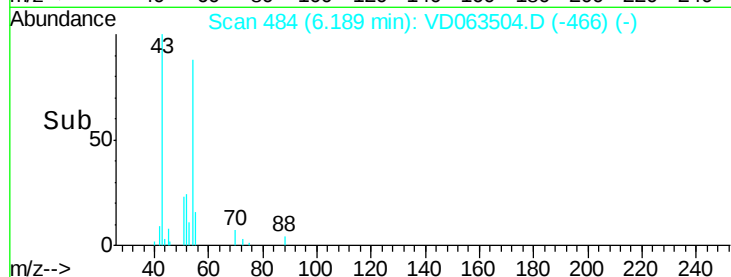
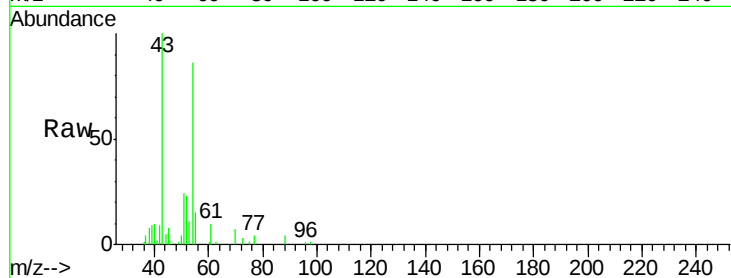




#37
Ethyl Acetate
Concen: 21.687 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

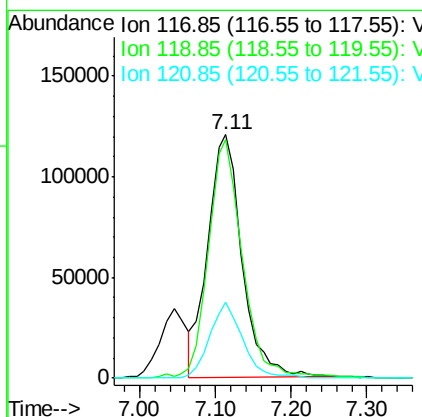
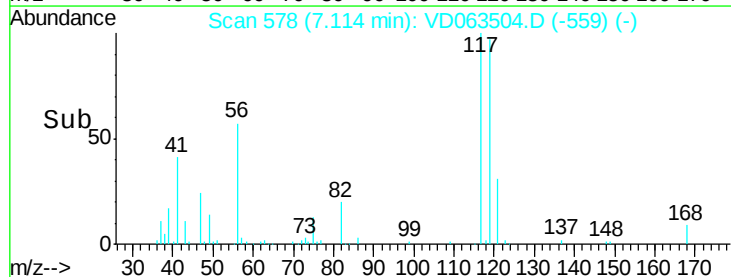
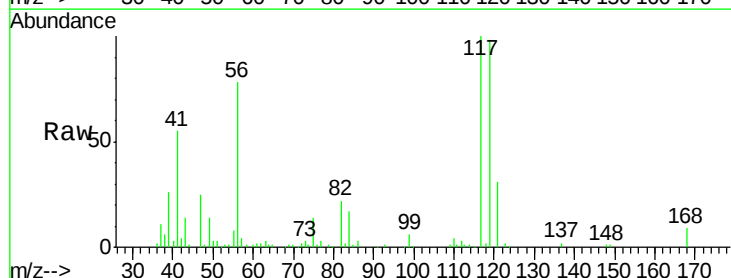
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

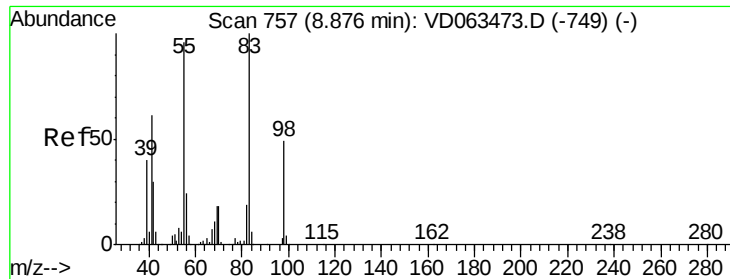
Tot Ion: 43 Resp: 116187
Ion Ratio Lower Upper
43 100
61 10.3 9.0 13.6
70 7.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.679 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 117 Resp: 379184
Ion Ratio Lower Upper
117 100
119 97.7 74.2 111.2
121 31.1 23.1 34.7





#39

Methvlcvclohexane

Concen: 18.298 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

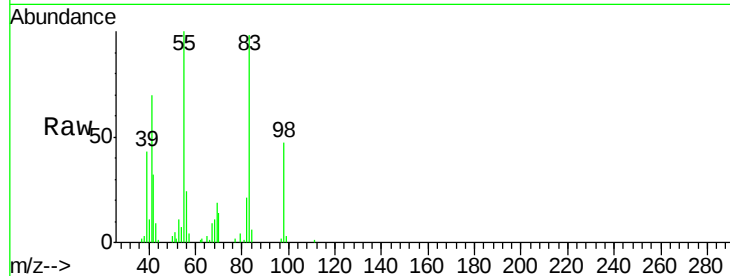
Tot Ion: 83 Resp: 198925

Ion Ratio Lower Upper

83 100

55 101.7 76.6 114.8

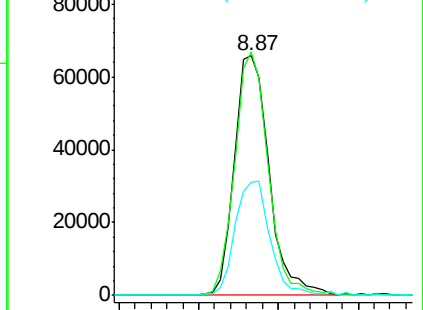
98 47.4 39.4 59.0



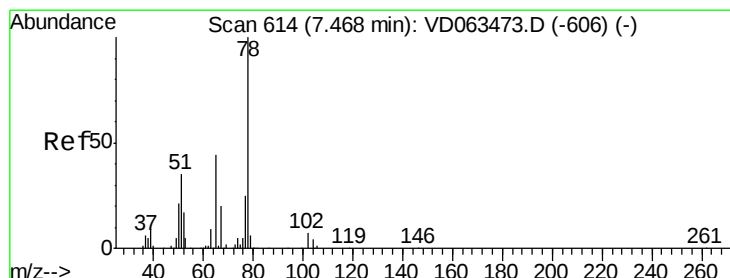
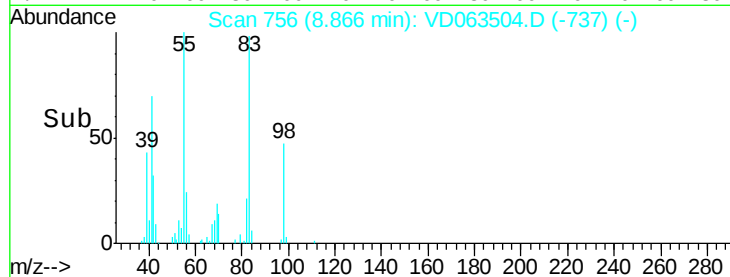
Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



Time--> 8.70 8.80 8.90 9.00



#40

Benzene

Concen: 20.200 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063504.D

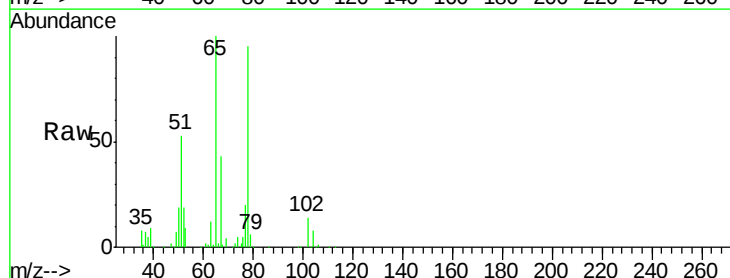
Acq: 13 Aug 2019 00:36

Tgt Ion: 78 Resp: 568329

Ion Ratio Lower Upper

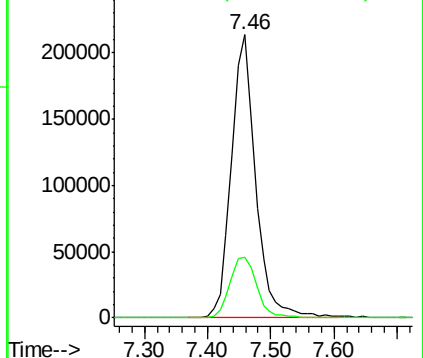
78 100

77 21.3 20.1 30.1

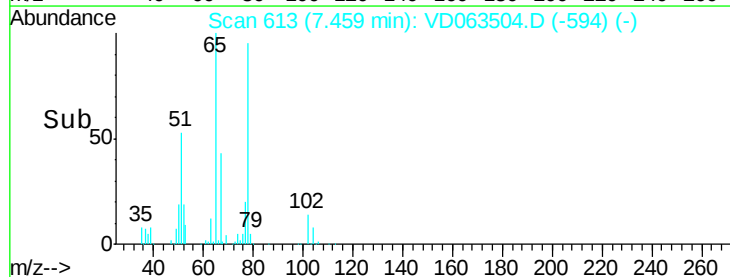


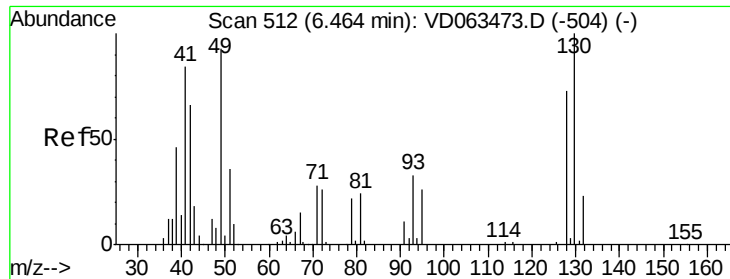
Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time--> 7.30 7.40 7.50 7.60

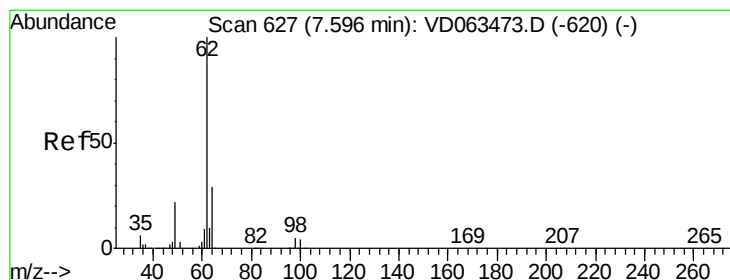
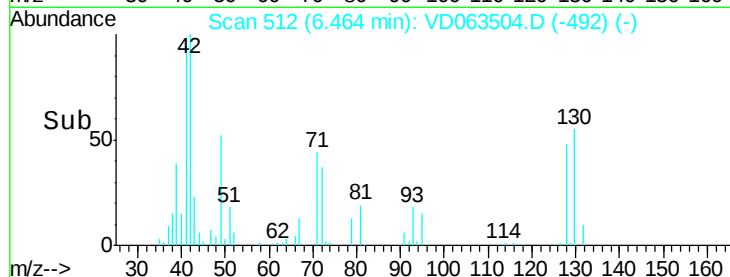
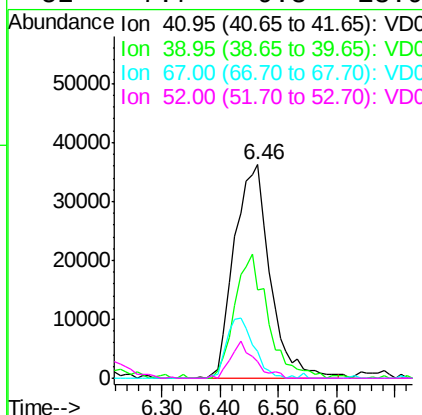
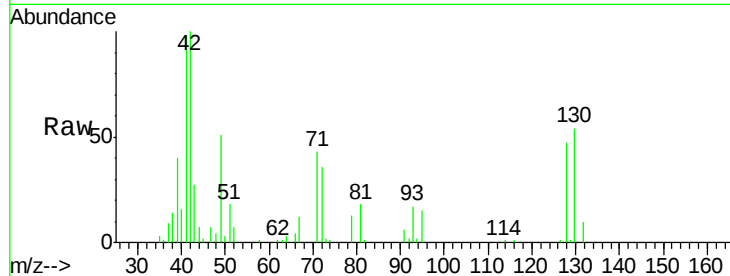




#41
Methacrylonitrile
Concen: 22.964 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

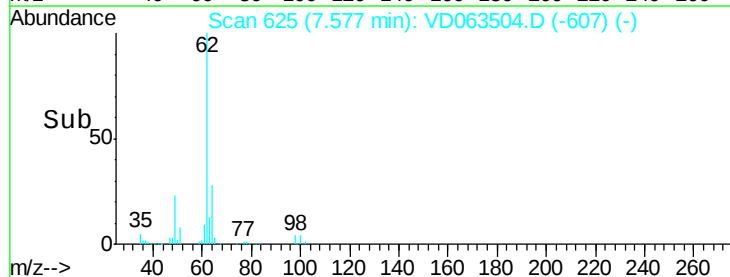
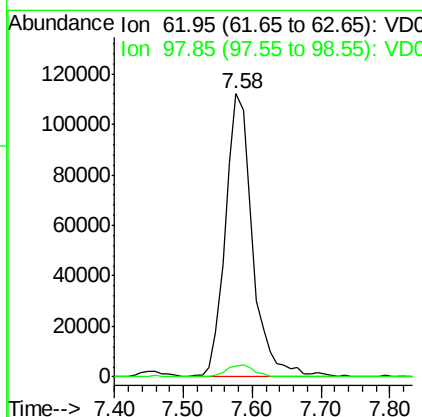
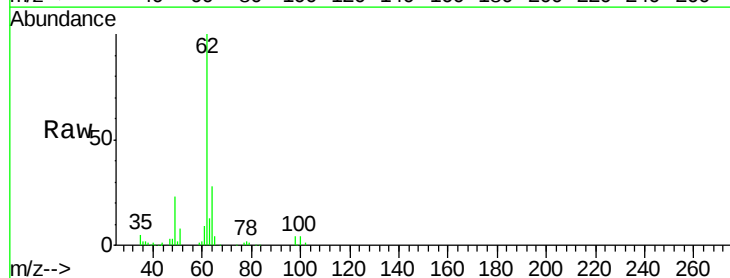
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

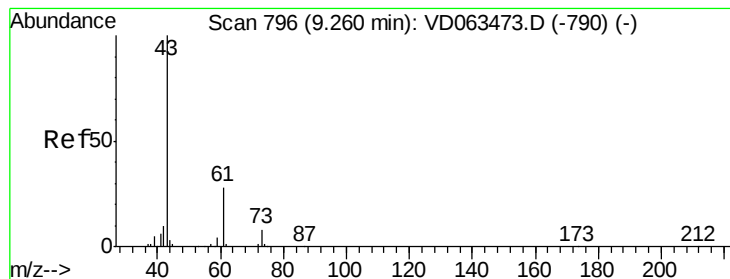
Tot Ion: 41 Resp: 154900
Ion Ratio Lower Upper
41 100
39 41.2 44.6 66.8#
67 12.6 14.4 21.6#
52 7.7 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 21.668 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 62 Resp: 306547
Ion Ratio Lower Upper
62 100
98 3.9 0.0 10.4



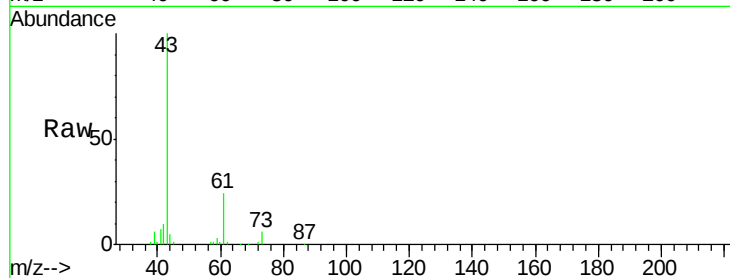


#43

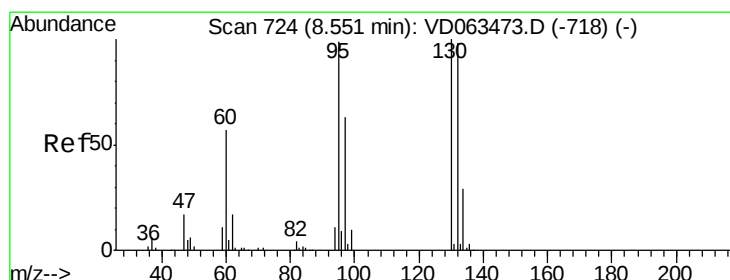
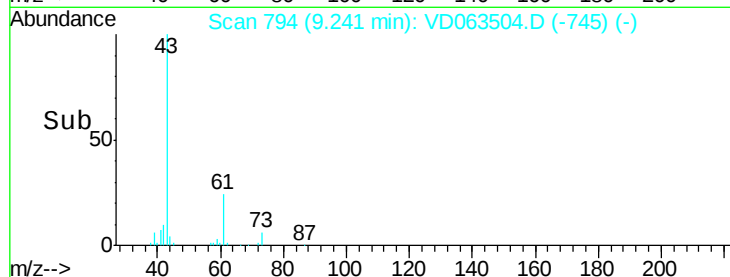
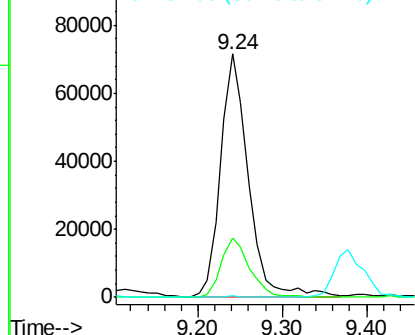
Isopropyl Acetate
 Concen: 22.932 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion: 43 Resp: 164539
 Ion Ratio Lower Upper
 43 100
 61 24.4 22.2 33.2
 87 0.5 0.2 0.4#



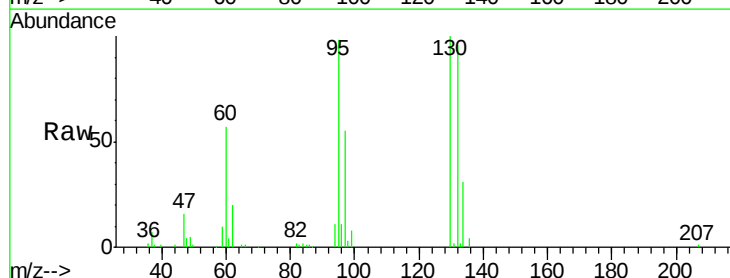
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



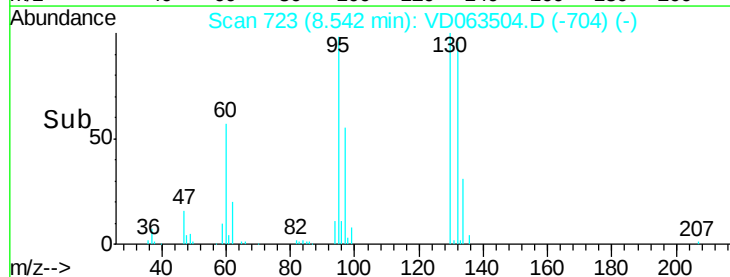
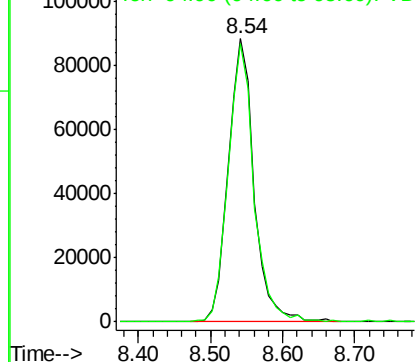
#44

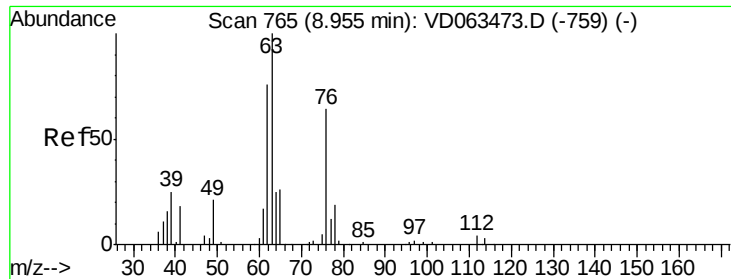
Trichloroethene
 Concen: 20.328 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion: 130 Resp: 218605
 Ion Ratio Lower Upper
 130 100
 95 98.2 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: 21.349 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

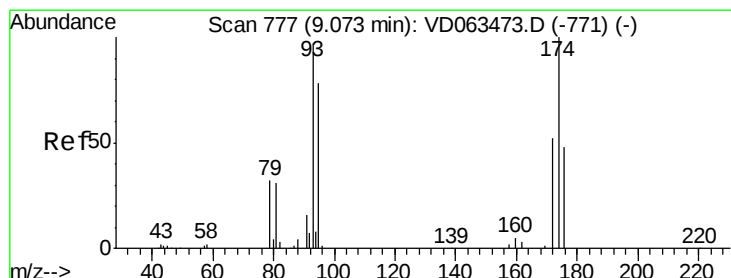
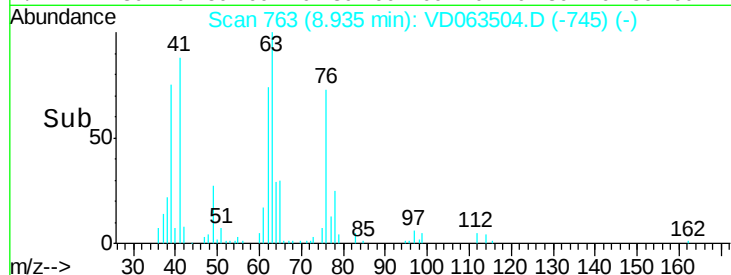
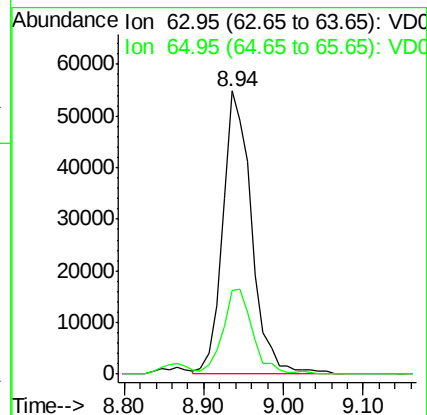
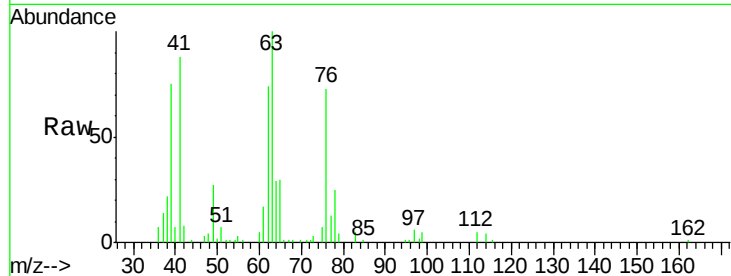
VD0812SBS02

Tot Ion: 63 Resp: 139877

Ion Ratio Lower Upper

63 100

65 29.6 22.5 33.7



#46

Dibromomethane

Concen: 23.149 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

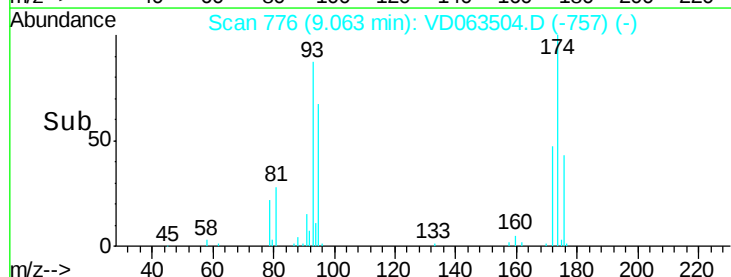
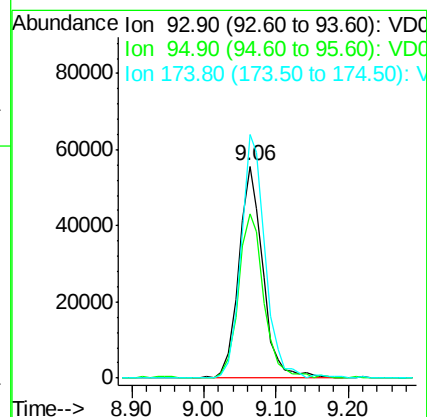
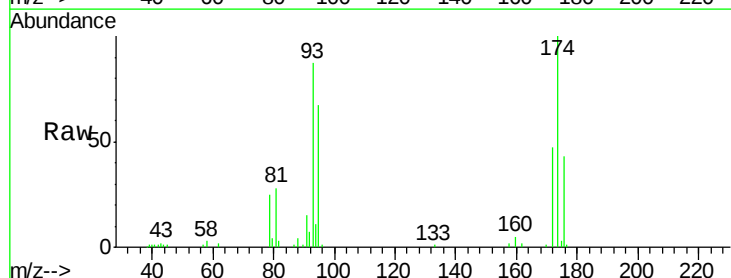
Tgt Ion: 93 Resp: 129526

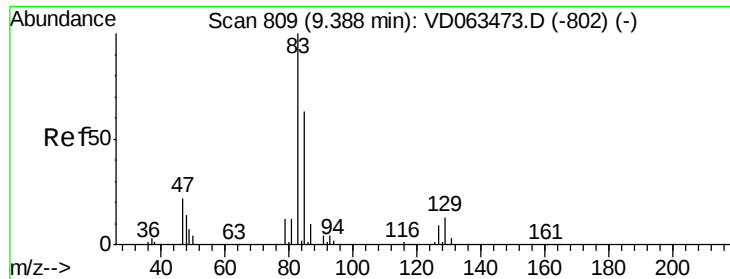
Ion Ratio Lower Upper

93 100

95 77.4 64.2 96.2

174 115.1 82.1 123.1





#47

Bromodichloromethane

Concen: 21.832 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

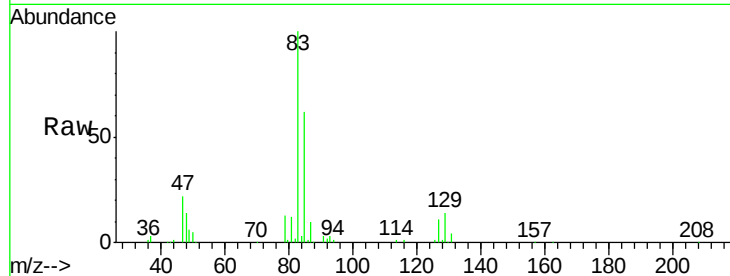
Tot Ion: 83 Resp: 313346

Ion Ratio Lower Upper

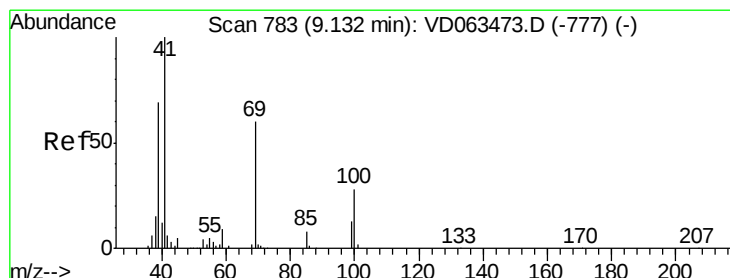
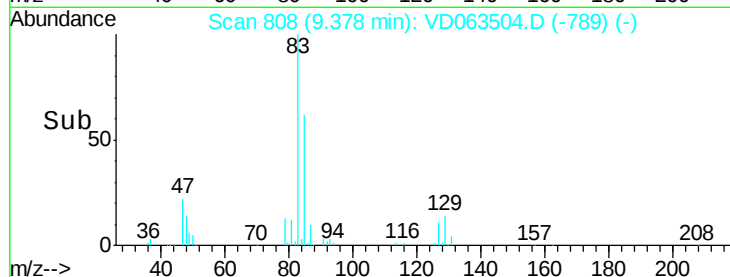
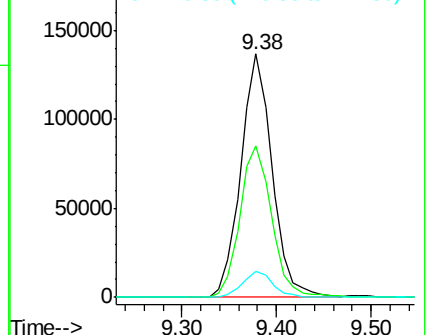
83 100

85 62.4 50.1 75.1

127 10.8 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: 22.040 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

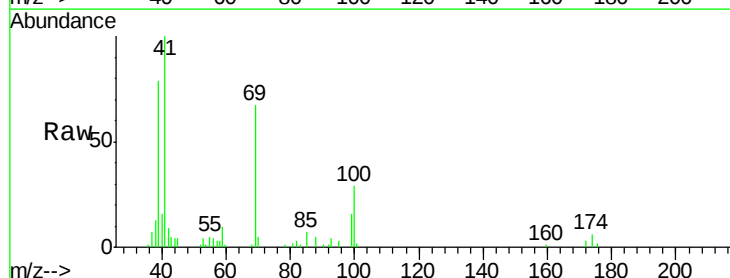
Tgt Ion: 41 Resp: 107247

Ion Ratio Lower Upper

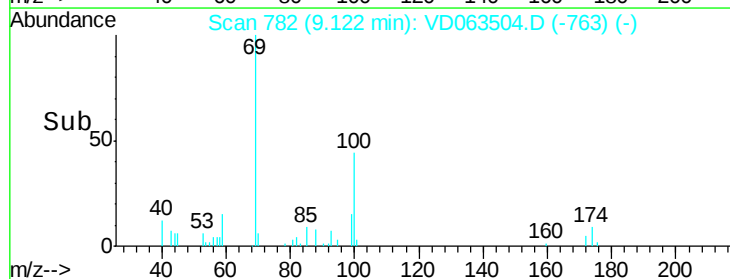
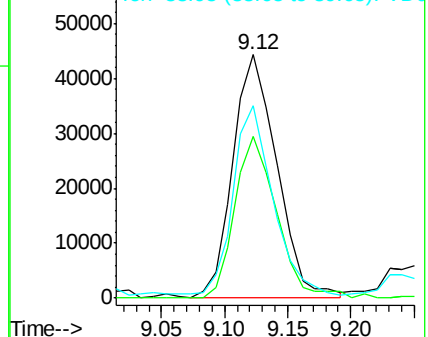
41 100

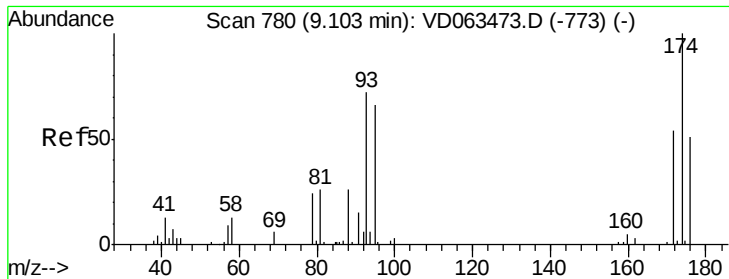
69 66.5 47.6 71.4

39 78.8 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

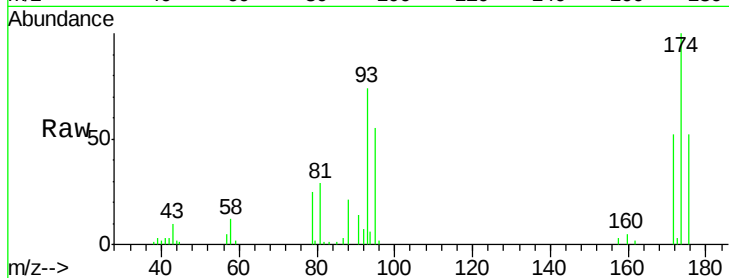




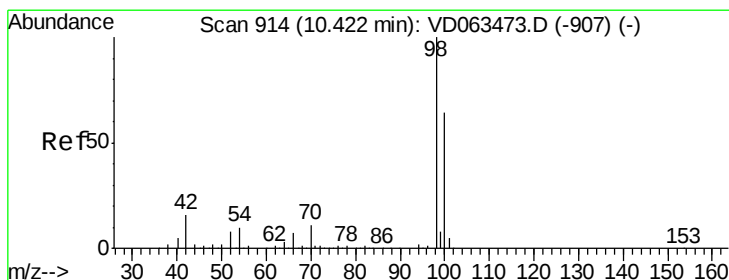
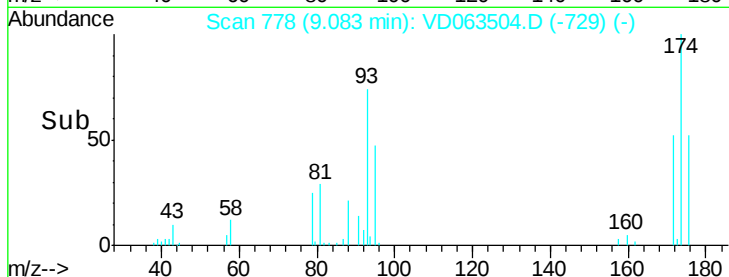
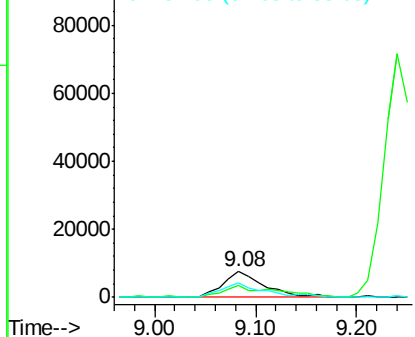
#49
 1,4-Dioxane
 Concen: 497.140 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion: 88 Resp: 21048
 Ion Ratio Lower Upper
 88 100
 43 47.8 22.9 34.3#
 58 57.8 40.1 60.1

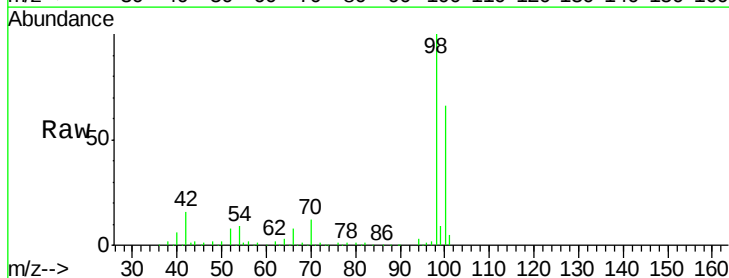


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

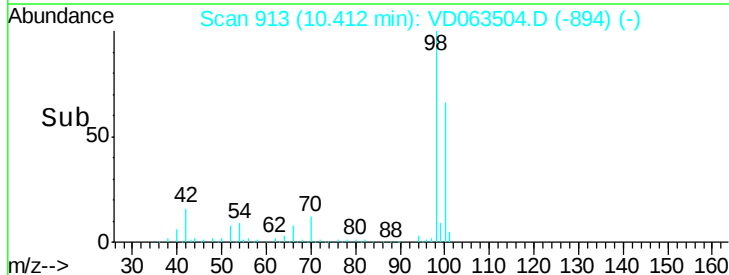
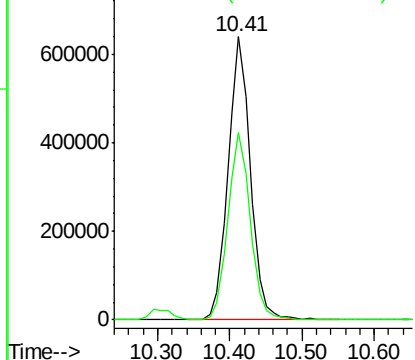


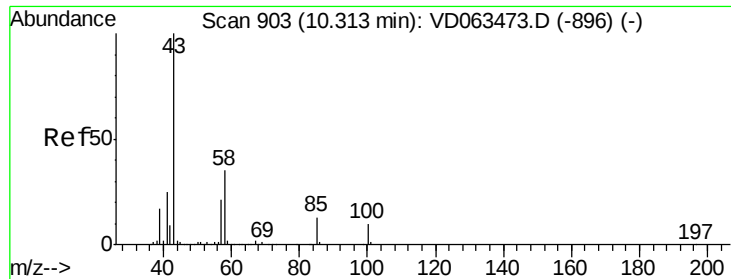
#50
 Toluene-d8
 Concen: 51.572 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion: 98 Resp: 1381041
 Ion Ratio Lower Upper
 98 100
 100 66.1 51.7 77.5



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

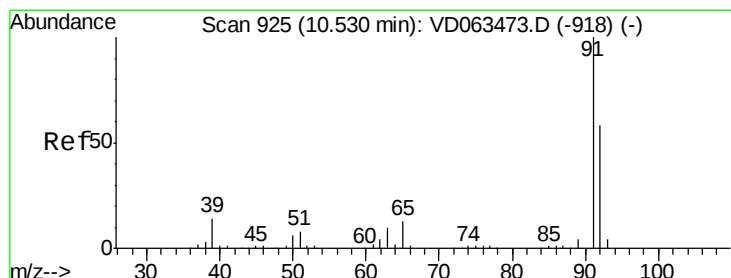
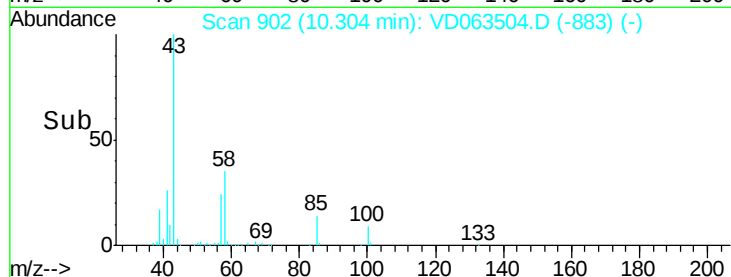
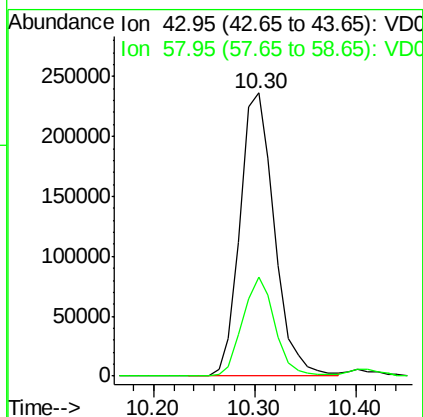
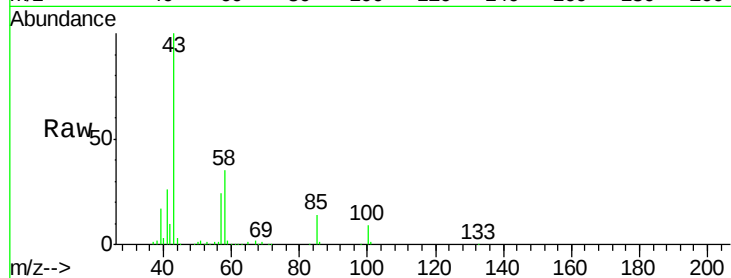




#51
4-Methyl-2-Pentanone
Concen: 114.210 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

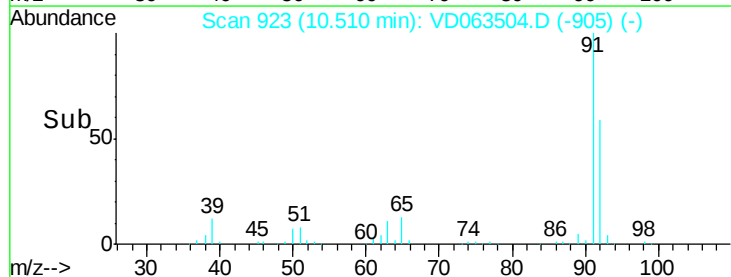
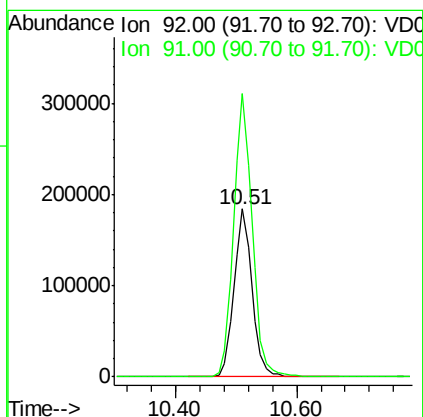
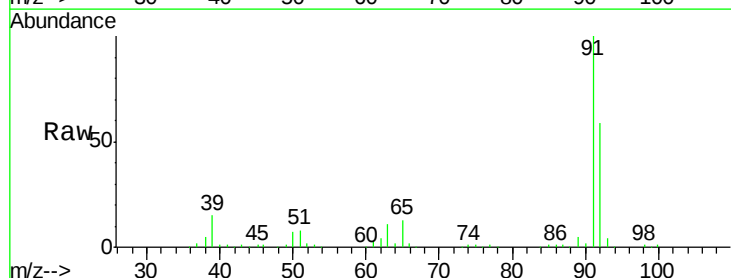
Instrument :
MSVOA_D
ClientSampleID :
VD0812SBS02

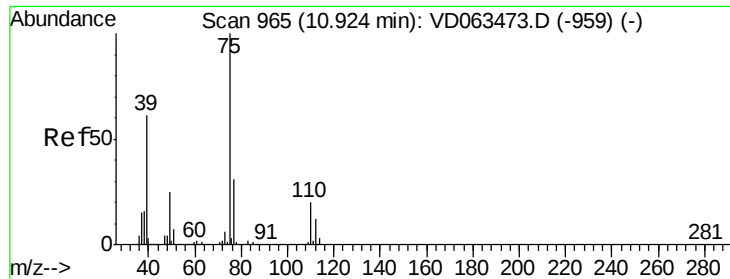
Tot Ion: 43 Resp: 560745
Ion Ratio Lower Upper
43 100
58 35.0 28.0 42.0



#52
Toluene
Concen: 21.133 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 92 Resp: 382968
Ion Ratio Lower Upper
92 100
91 168.4 137.9 206.9

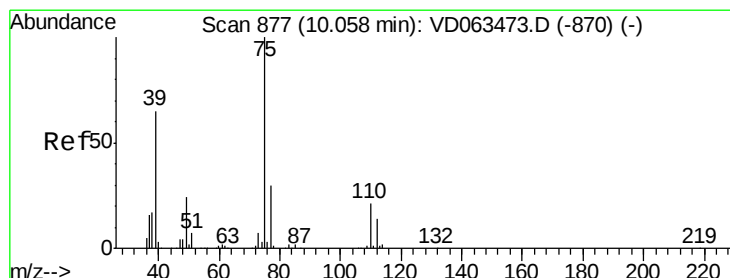
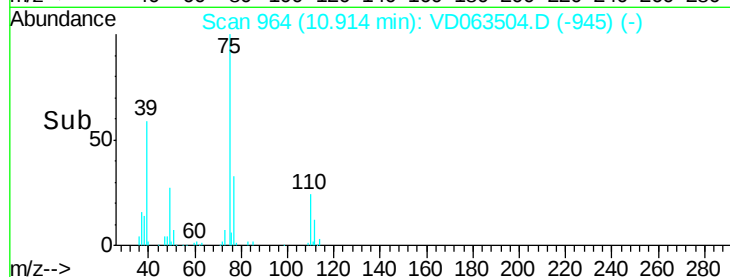
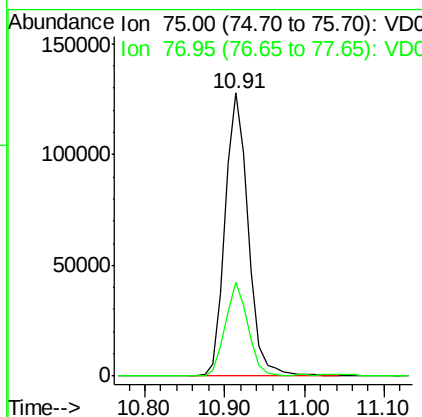
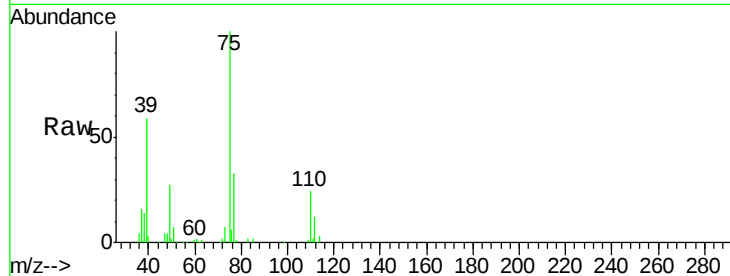




#53
t-1,3-Dichloropropene
Concen: 22.325 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

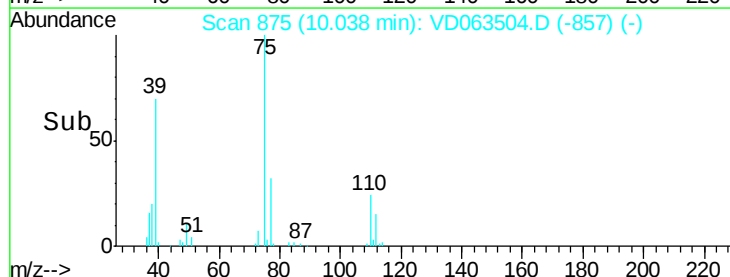
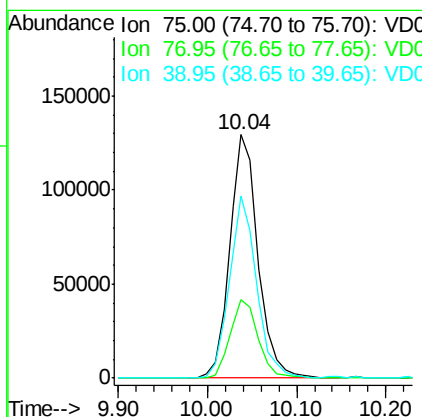
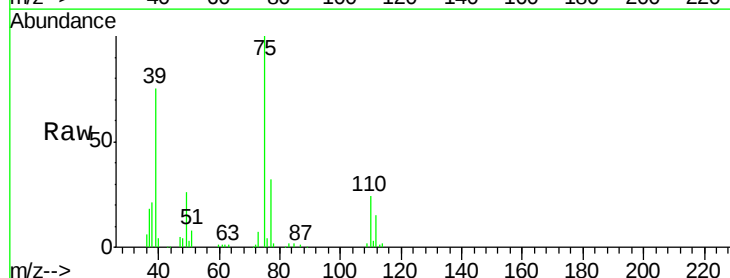
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

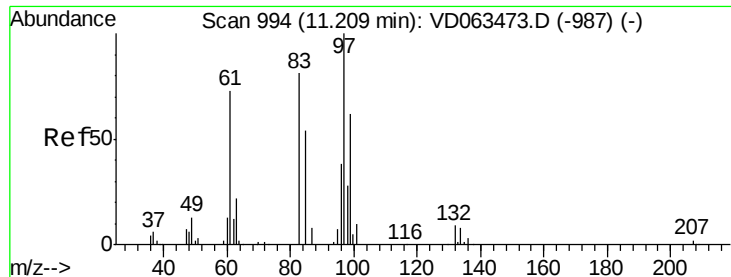
Tot Ion: 75 Resp: 261493
Ion Ratio Lower Upper
75 100
77 33.0 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 21.701 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 75 Resp: 286619
Ion Ratio Lower Upper
75 100
77 32.5 23.7 35.5
39 74.7 52.2 78.4

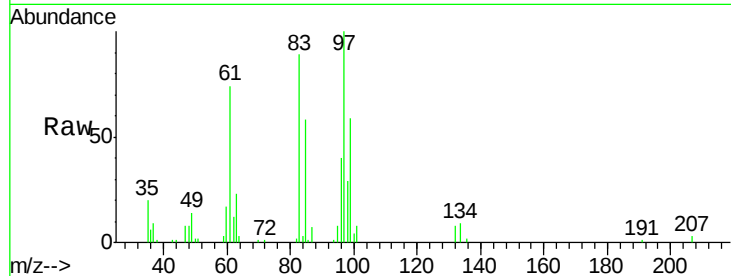




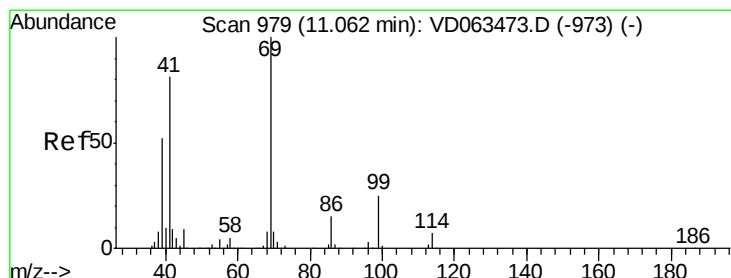
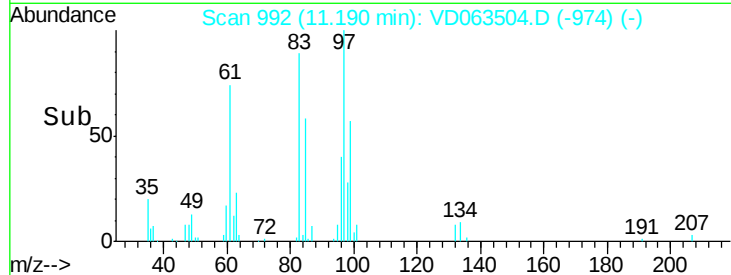
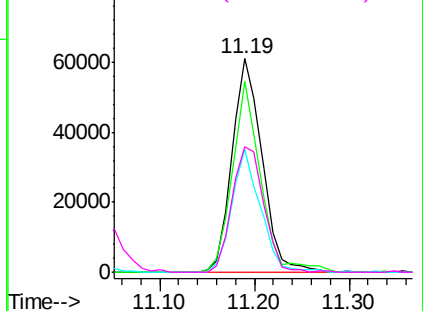
#55
 1,1,2-Trichloroethane
 Concen: 21.862 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion:	97	Resp:	133827
Ion	Ratio	Lower	Upper
97	100		
83	89.2	64.7	97.1
85	57.6	42.9	64.3
99	58.8	49.7	74.5

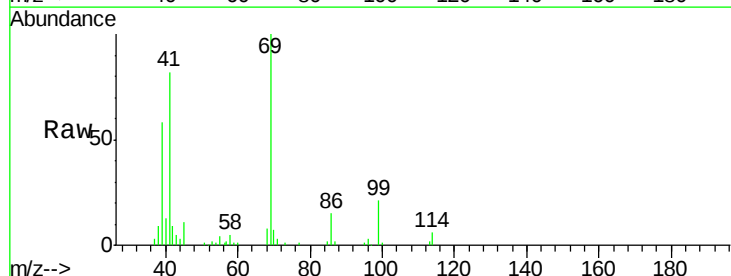


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

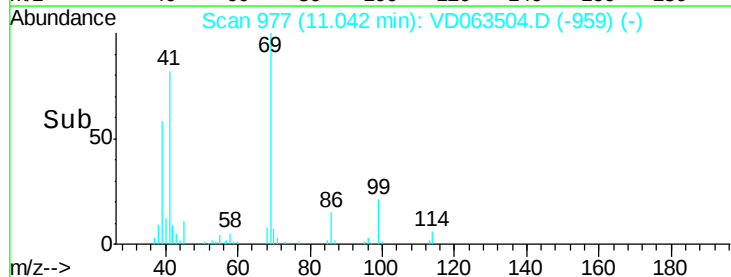
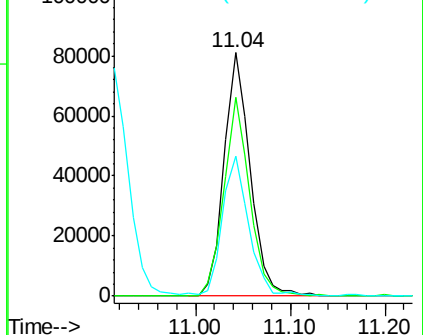


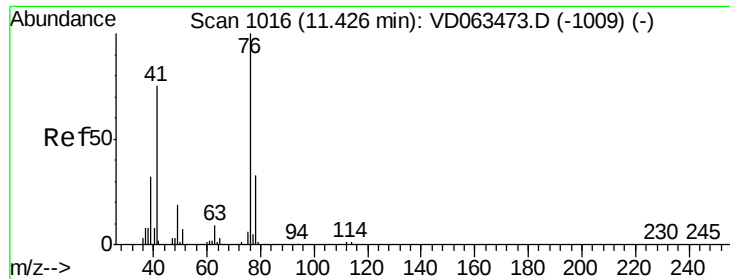
#56
 Ethyl methacrylate
 Concen: 23.388 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion:	69	Resp:	155393
Ion	Ratio	Lower	Upper
69	100		
41	81.9	64.8	97.2
39	57.5	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: 21.809 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

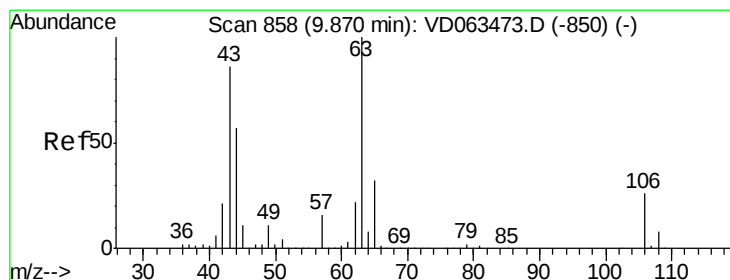
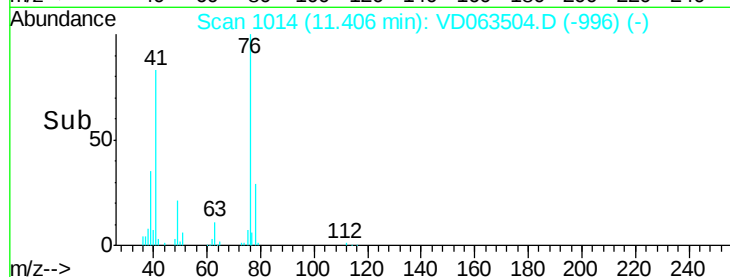
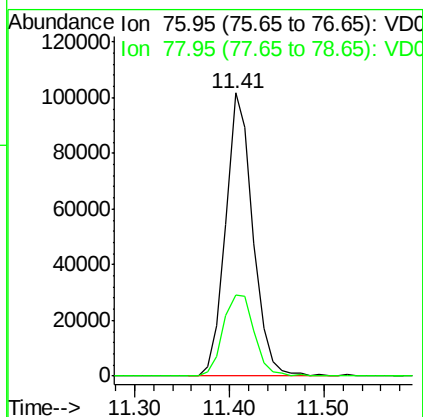
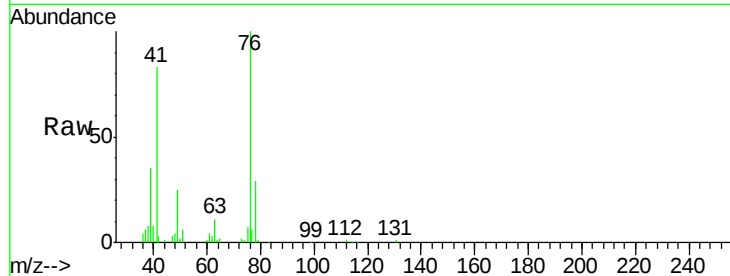
VD0812SBS02

Tot Ion: 76 Resp: 201800

Ion Ratio Lower Upper

76 100

78 28.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.148 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD063504.D

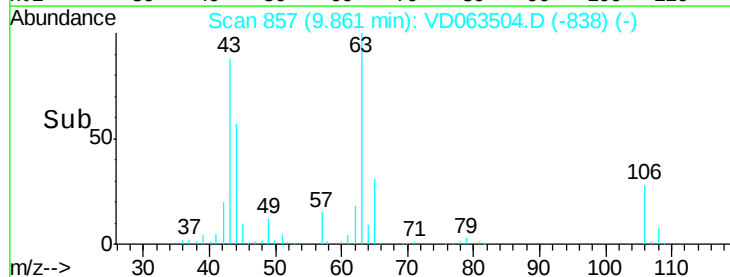
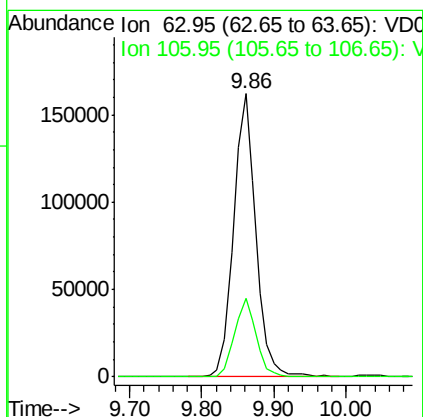
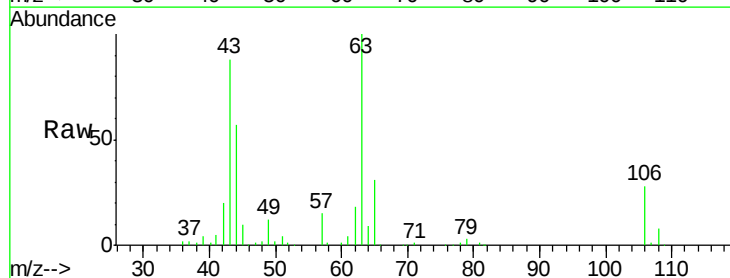
Acq: 13 Aug 2019 00:36

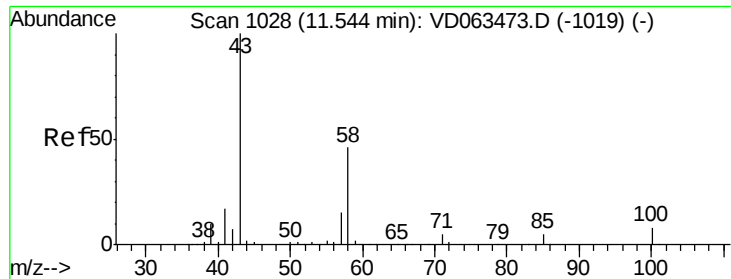
Tgt Ion: 63 Resp: 347785

Ion Ratio Lower Upper

63 100

106 27.6 20.8 31.2

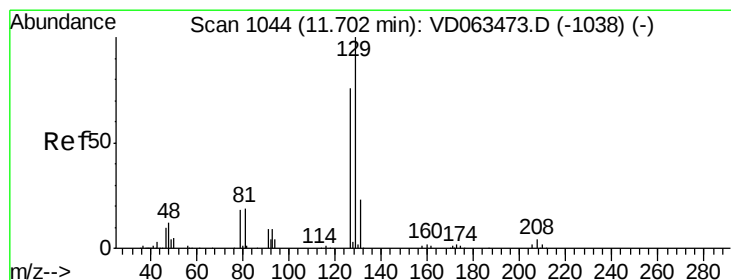
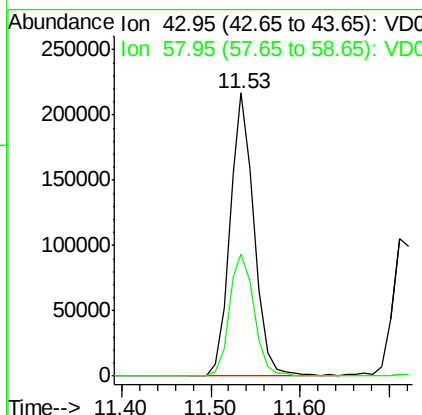
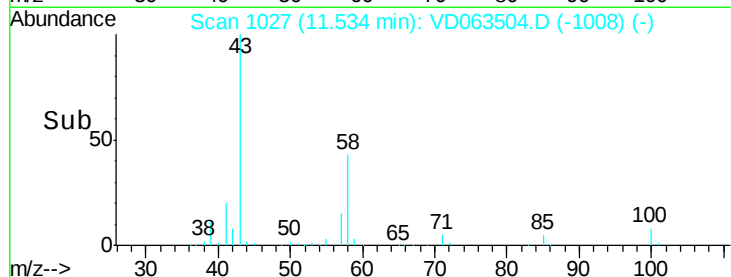
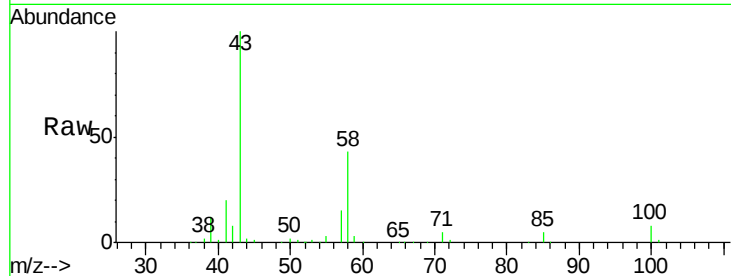




#59
2-Hexanone
Concen: 114.648 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

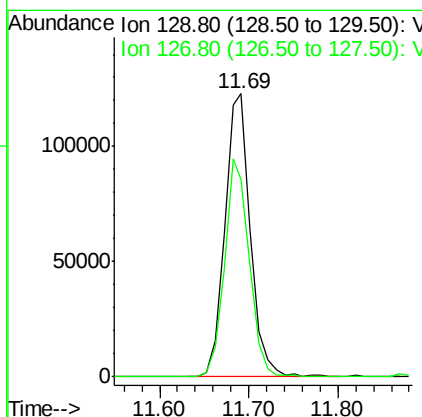
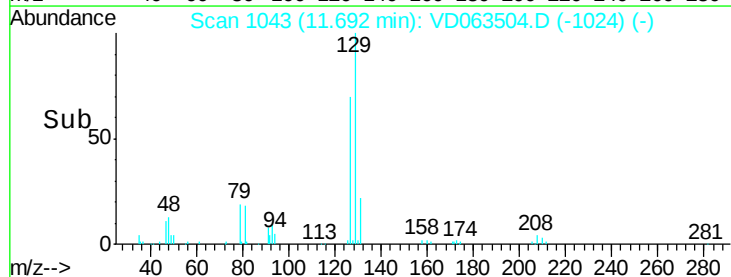
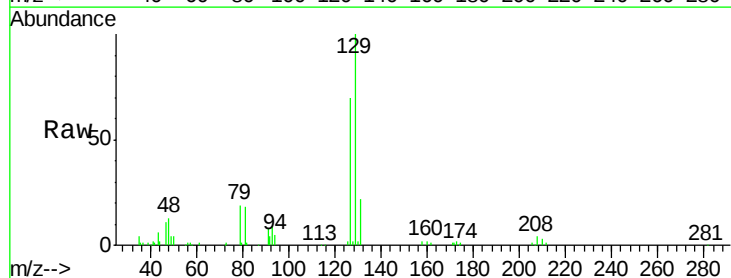
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

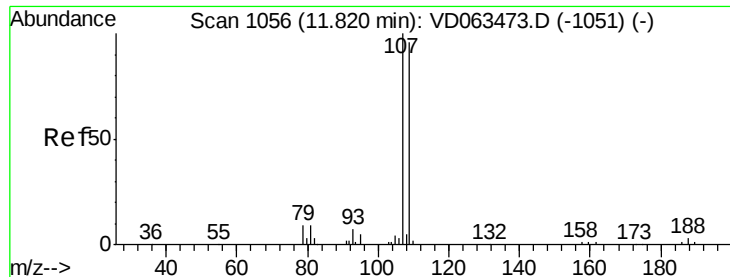
Tot Ion: 43 Resp: 409578
Ion Ratio Lower Upper
43 100
58 43.2 23.1 69.2



#60
Dibromochloromethane
Concen: 22.218 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 129 Resp: 247489
Ion Ratio Lower Upper
129 100
127 70.0 37.8 113.4

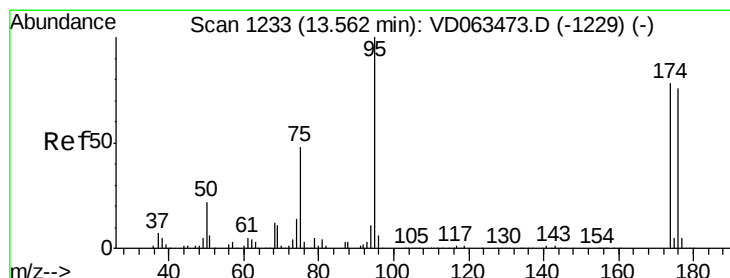
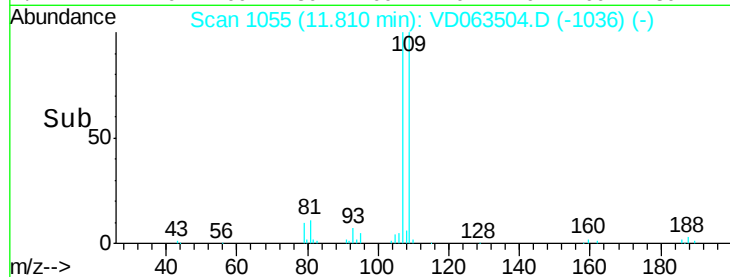
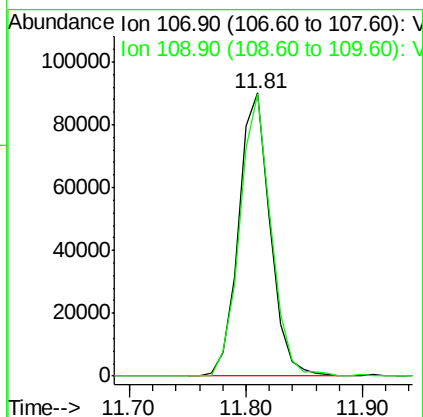
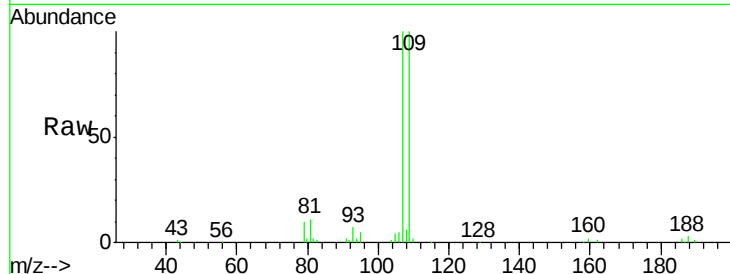




#61
 1,2-Dibromoethane
 Concen: 22.724 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

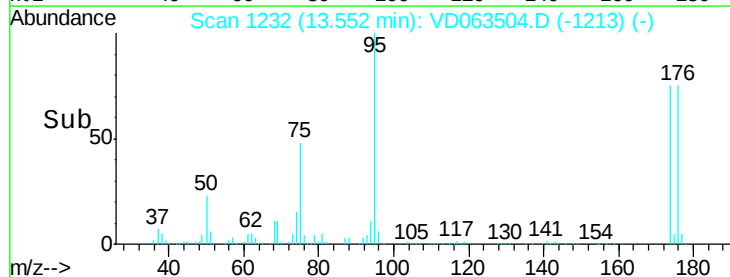
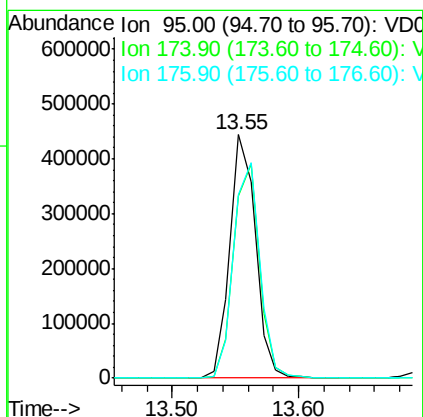
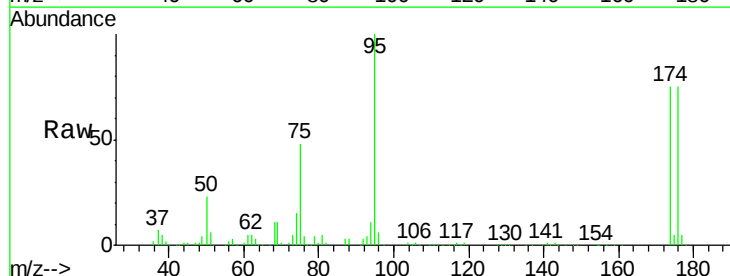
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

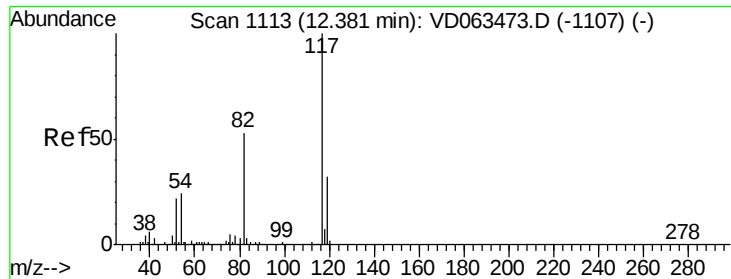
Tot Ion: 107 Resp: 168400
 Ion Ratio Lower Upper
 107 100
 109 99.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.384 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion: 95 Resp: 623666
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 155.4
 176 75.4 0.0 152.4

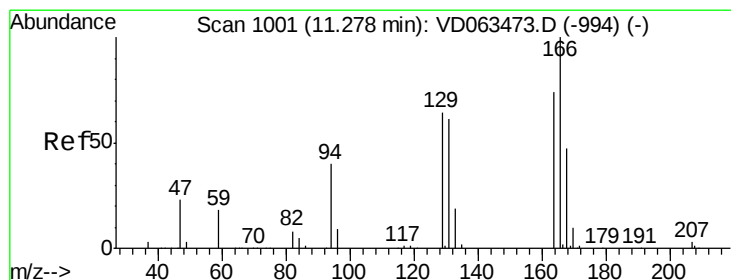
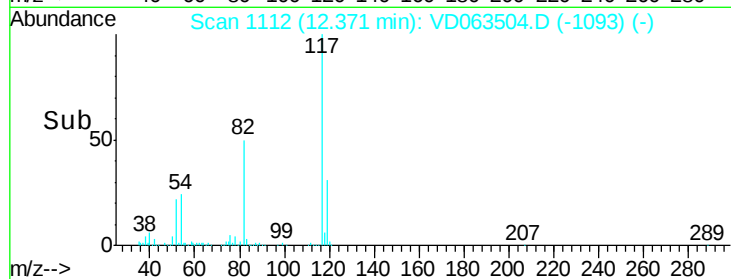
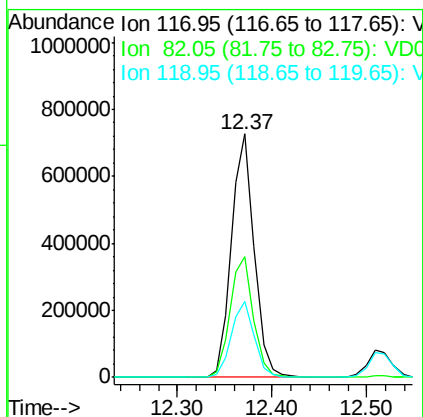
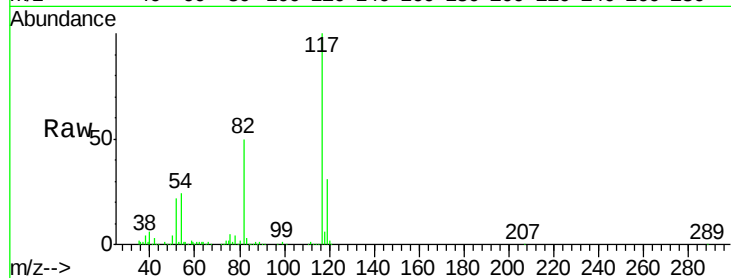




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

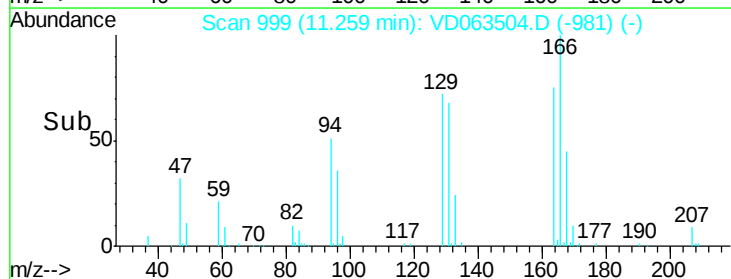
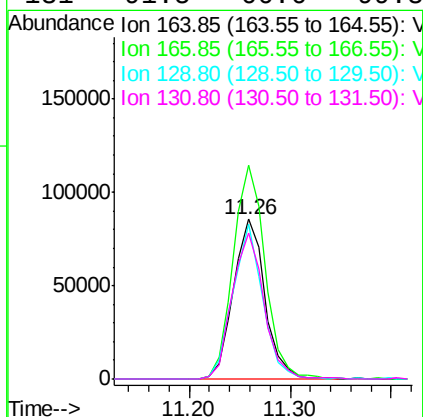
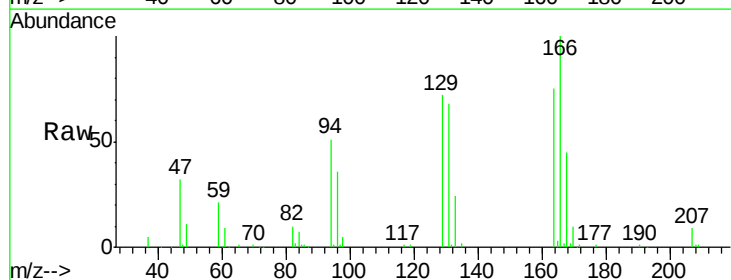
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

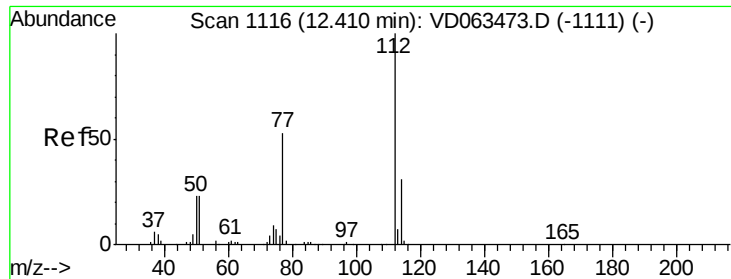
Tot Ion:117 Resp: 1207423
Ion Ratio Lower Upper
117 100
82 49.5 42.0 63.0
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 19.956 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion:164 Resp: 186012
Ion Ratio Lower Upper
164 100
166 133.8 108.6 163.0
129 96.7 69.0 103.6
131 91.5 66.6 99.8





#65

Chlorobenzene

Concen: 22.574 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

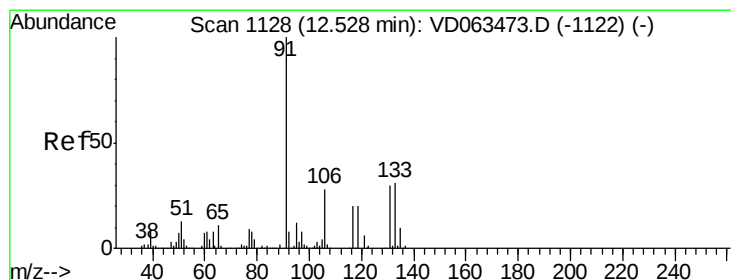
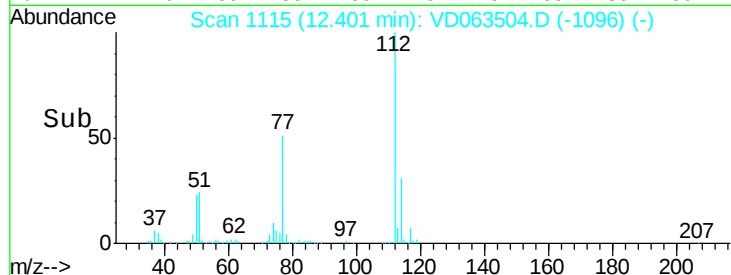
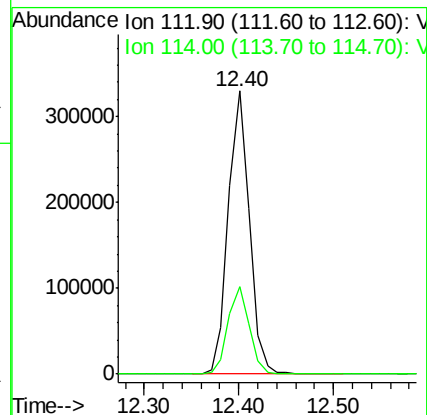
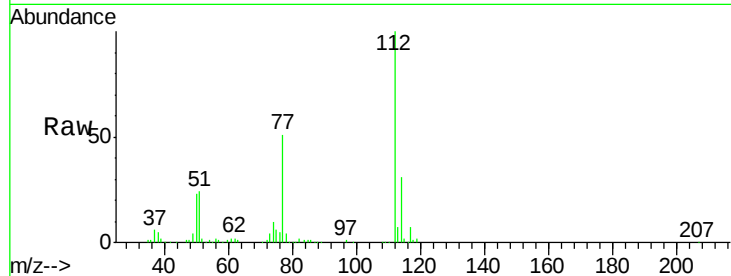
VD0812SBS02

Tot Ion:112 Resp: 510847

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 21.466 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

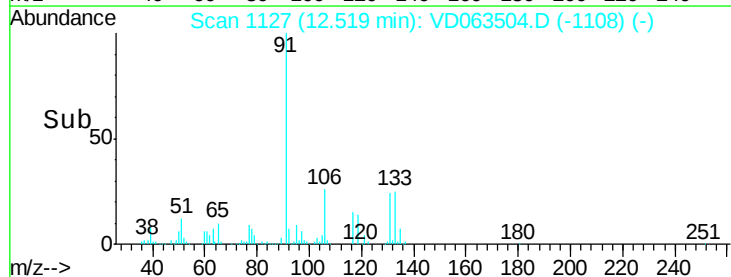
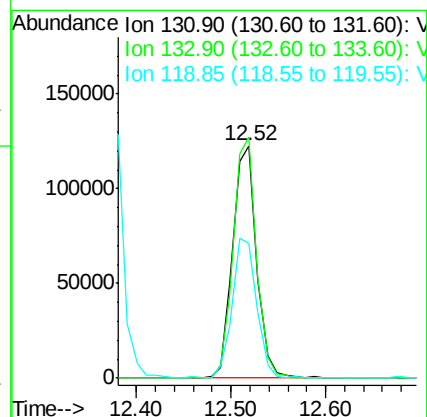
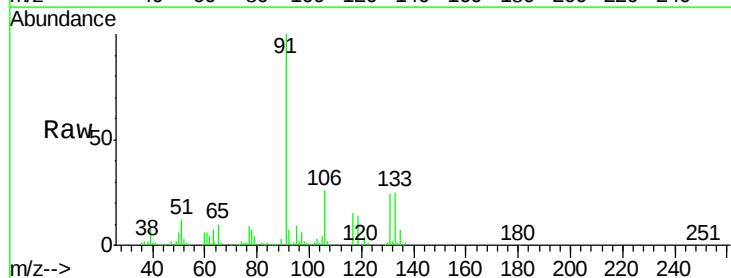
Tgt Ion:131 Resp: 213792

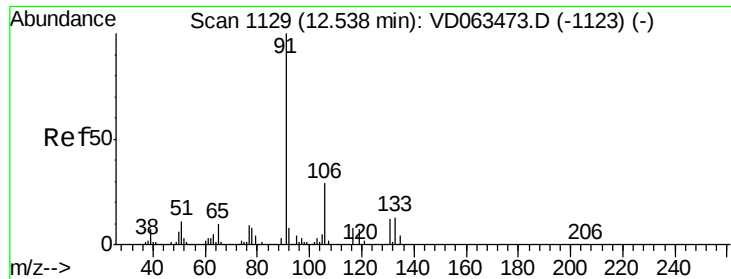
Ion Ratio Lower Upper

131 100

133 103.8 51.1 153.3

119 58.0 33.1 99.3

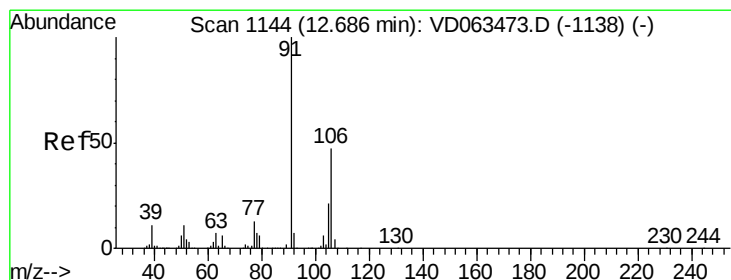
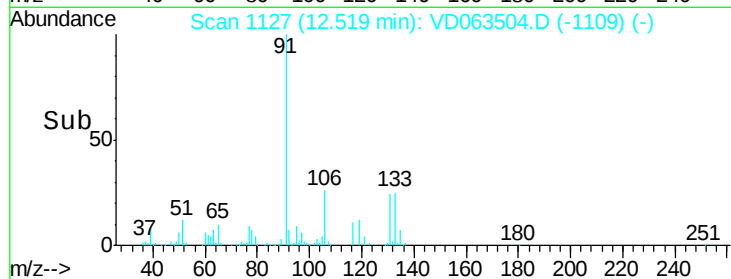
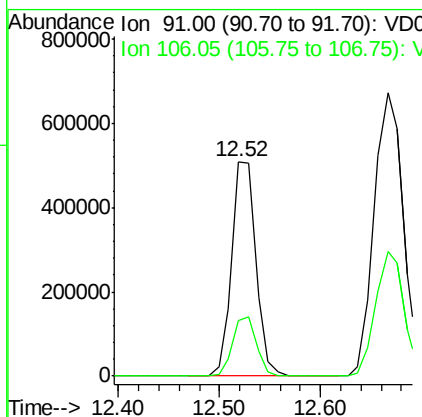
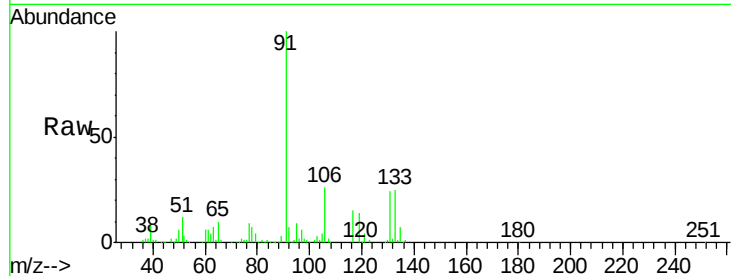




#67
Ethyl Benzene
Concen: 21.528 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

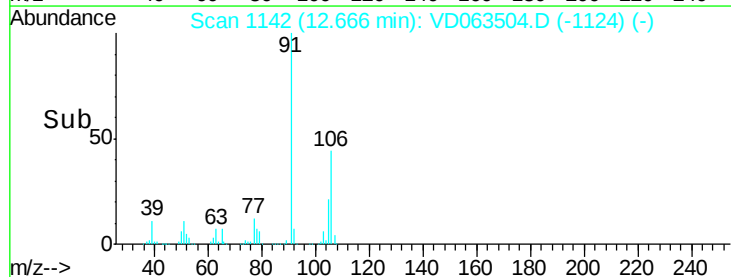
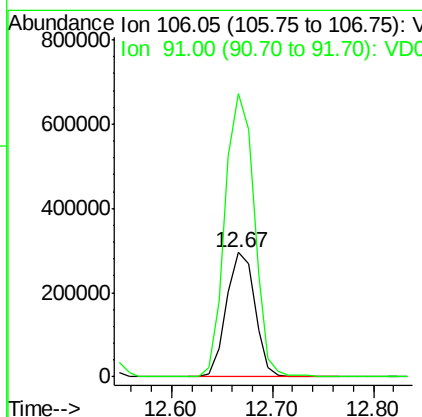
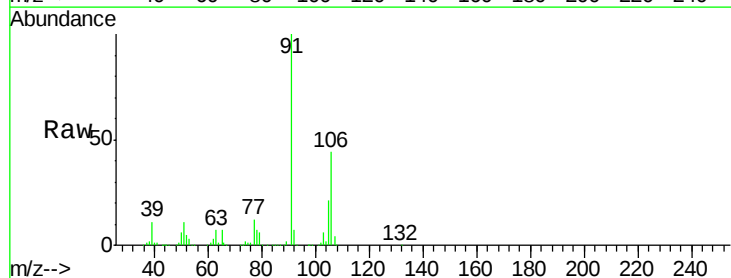
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

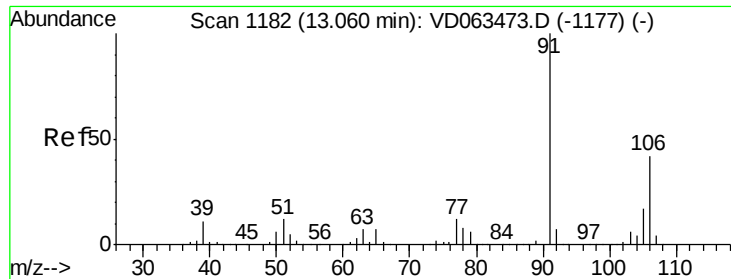
Tot Ion: 91 Resp: 847086
Ion Ratio Lower Upper
91 100
106 26.1 23.1 34.7



#68
m/p-Xylenes
Concen: 42.049 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 106 Resp: 581292
Ion Ratio Lower Upper
106 100
91 227.1 171.8 257.8

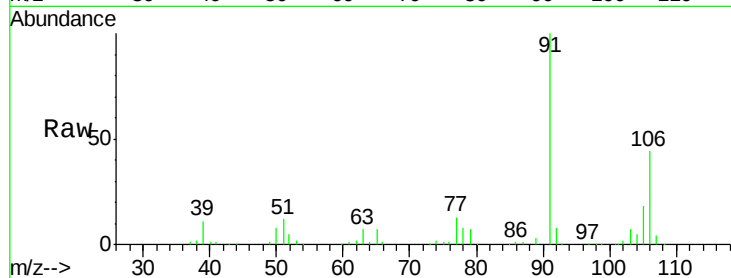




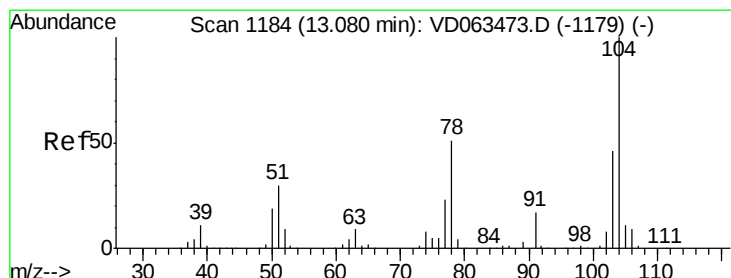
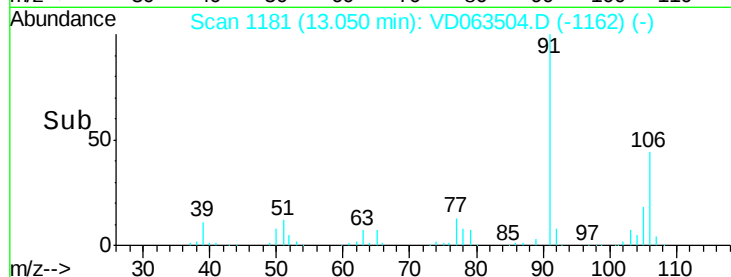
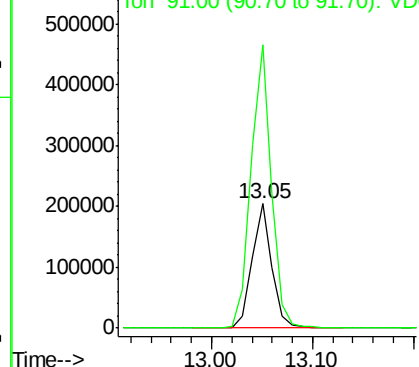
#69
o-Xylene
Concen: 20.919 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

Tot Ion:106 Resp: 278330
Ion Ratio Lower Upper
106 100
91 227.9 118.1 354.2

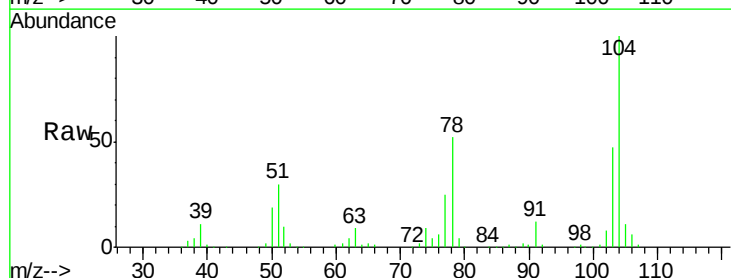


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

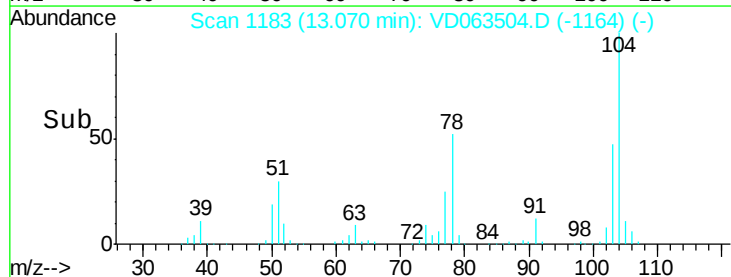
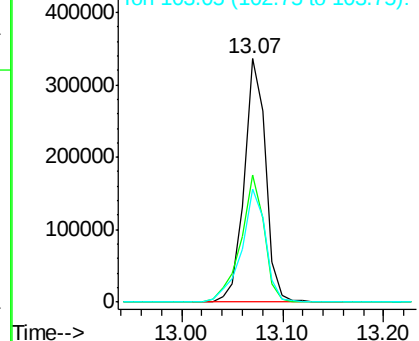


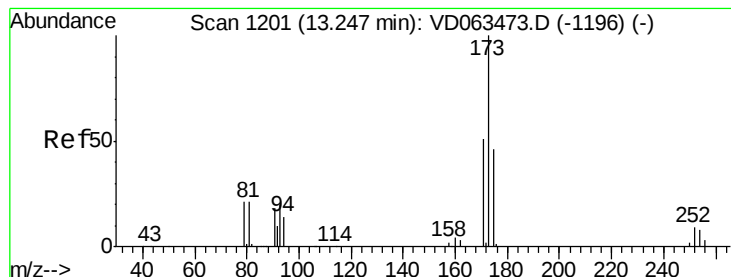
#70
Styrene
Concen: 20.861 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion:104 Resp: 493728
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 46.7 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: 22.392 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

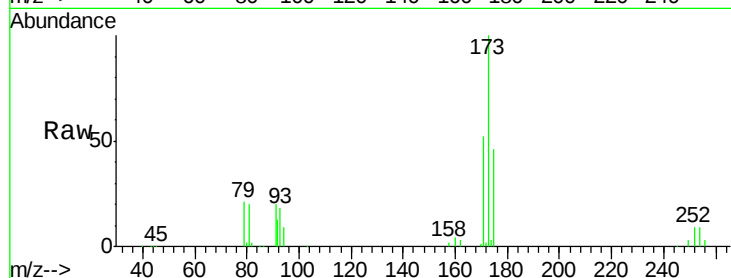
Tot Ion:173 Resp: 152914

Ion Ratio Lower Upper

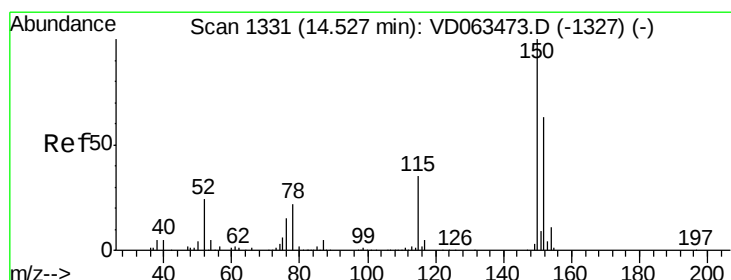
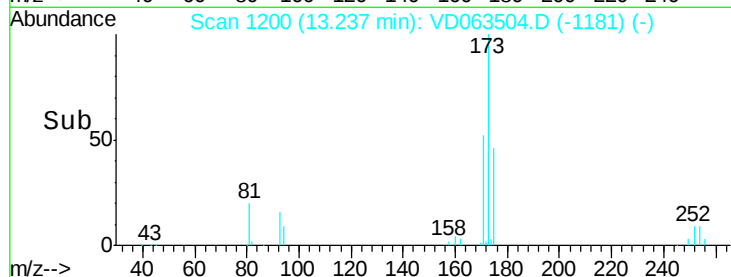
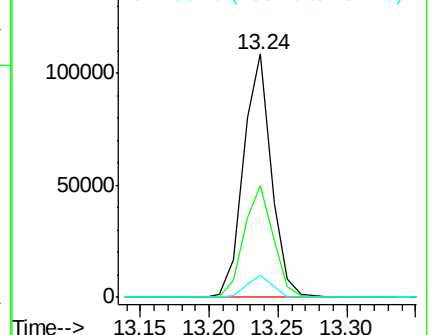
173 100

175 46.0 22.8 68.3

254 9.0 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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

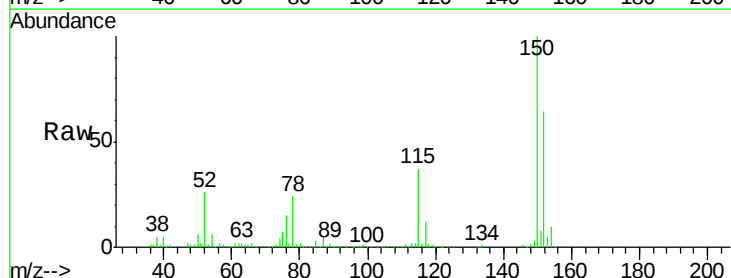
Tgt Ion:152 Resp: 613119

Ion Ratio Lower Upper

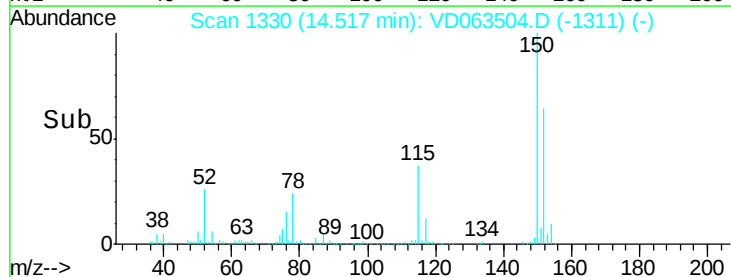
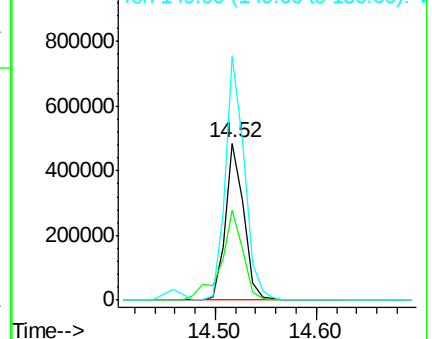
152 100

115 57.3 30.9 92.7

150 155.3 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: 21.691 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

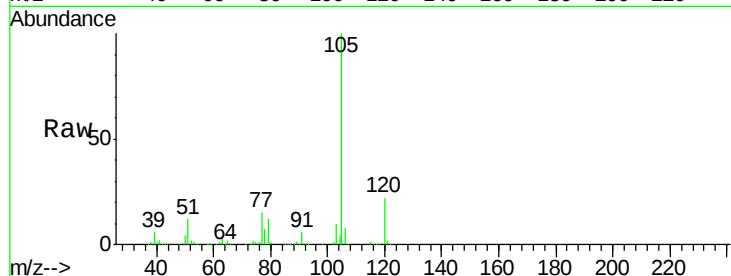
VD0812SBS02

Tot Ion:105 Resp: 845884

Ion Ratio Lower Upper

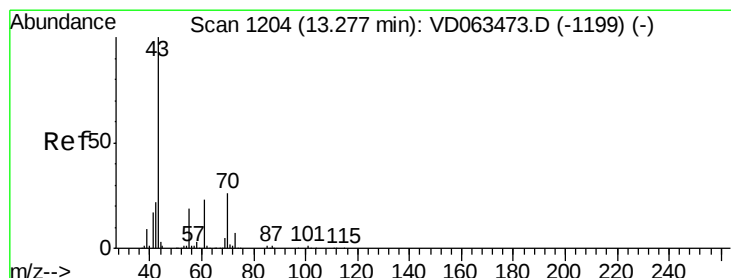
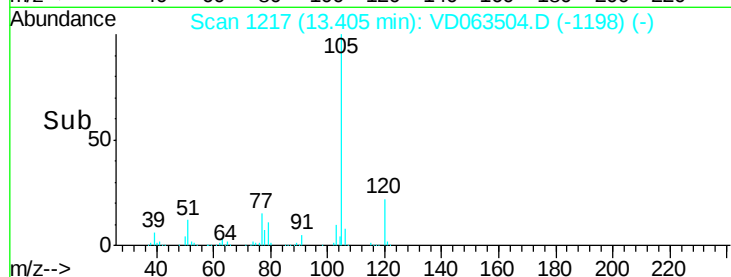
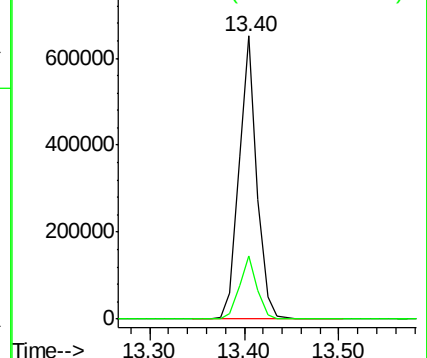
105 100

120 22.4 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: 20.582 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Tgt Ion: 43 Resp: 201493

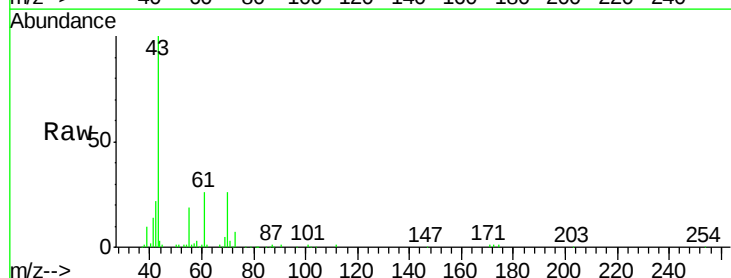
Ion Ratio Lower Upper

43 100

70 26.4 21.1 31.7

55 19.1 15.4 23.0

61 25.9 18.2 27.2

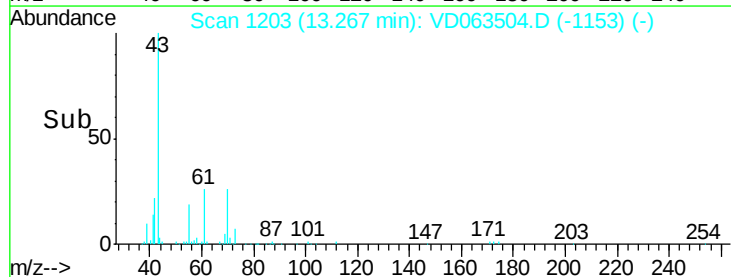
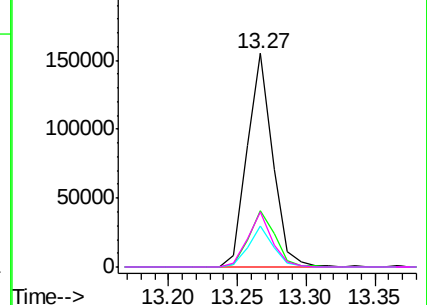


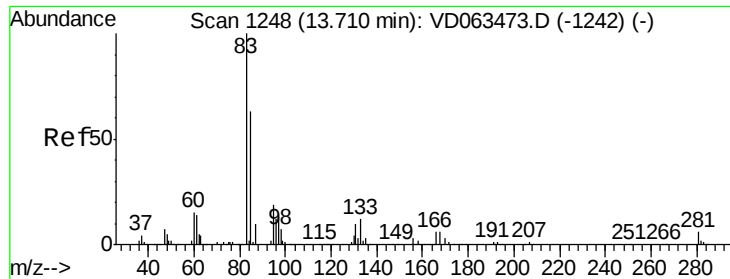
Abundance Ion 42.95 (42.65 to 43.65): V

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: 23.640 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

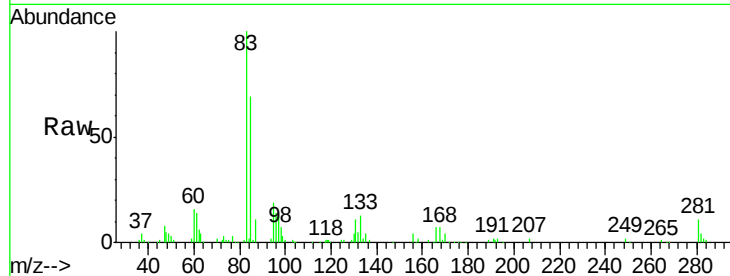
Tot Ion: 83 Resp: 153021

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.8

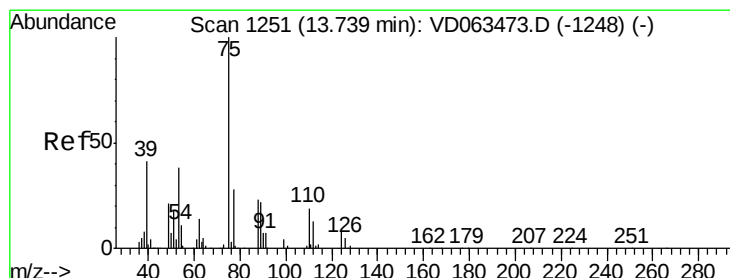
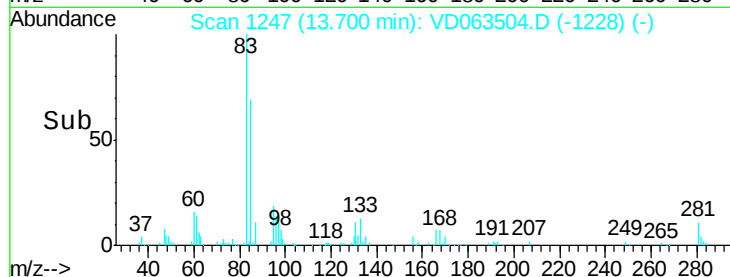
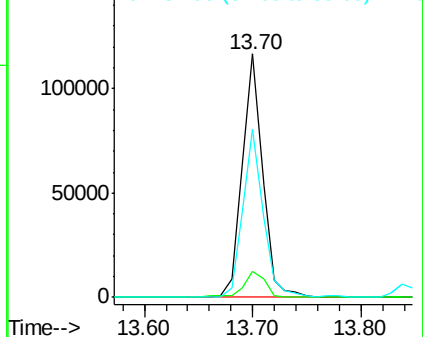
85 68.9 31.4 94.3



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: 22.924 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063504.D

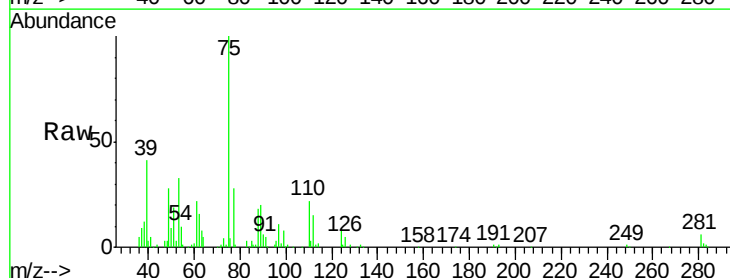
Acq: 13 Aug 2019 00:36

Tgt Ion: 75 Resp: 161308

Ion Ratio Lower Upper

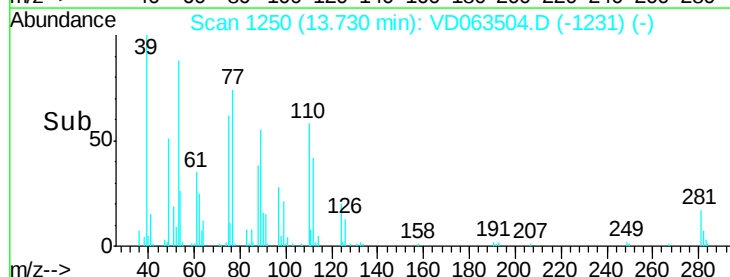
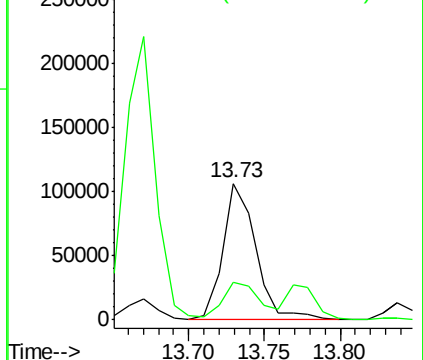
75 100

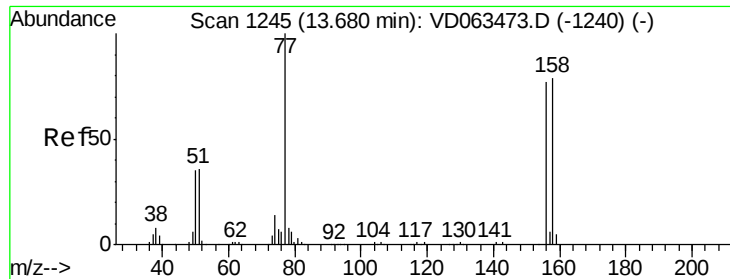
77 28.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.897 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

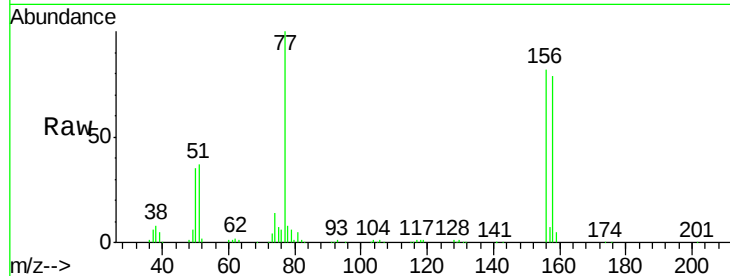
Tot Ion:156 Resp: 244037

Ion Ratio Lower Upper

156 100

77 122.7 64.6 193.8

158 96.4 50.9 152.7

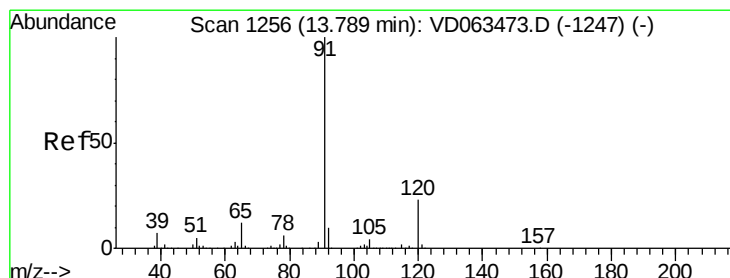
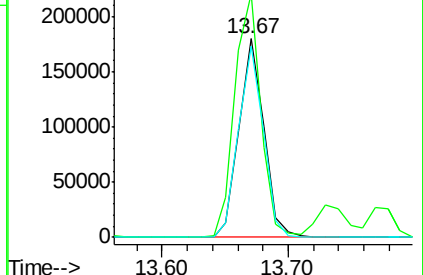
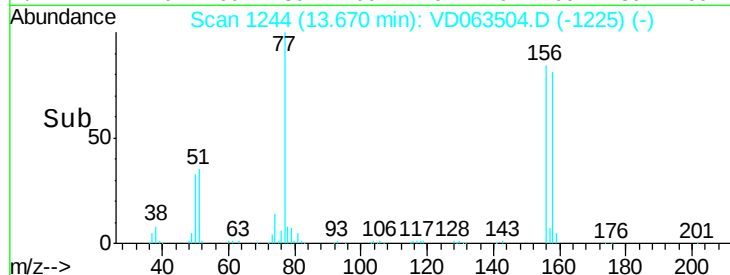


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



#78

n-propylbenzene

Concen: 21.407 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063504.D

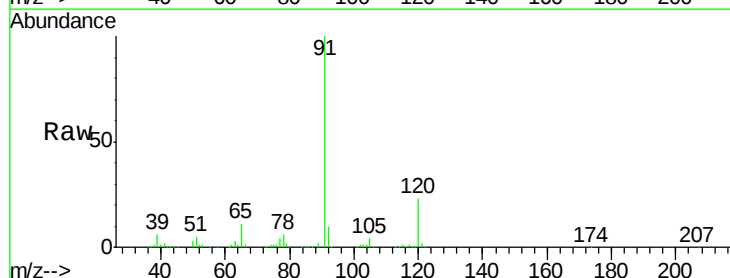
Acq: 13 Aug 2019 00:36

Tgt Ion: 91 Resp: 976773

Ion Ratio Lower Upper

91 100

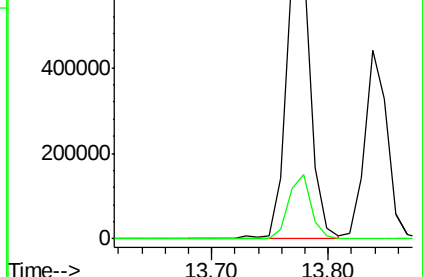
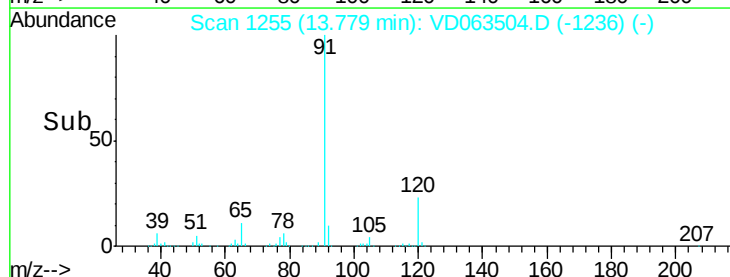
120 22.6 11.3 33.9

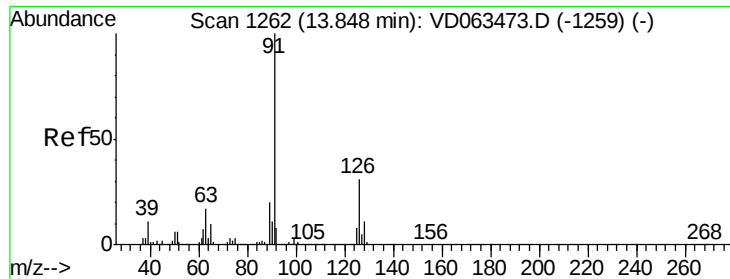


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->

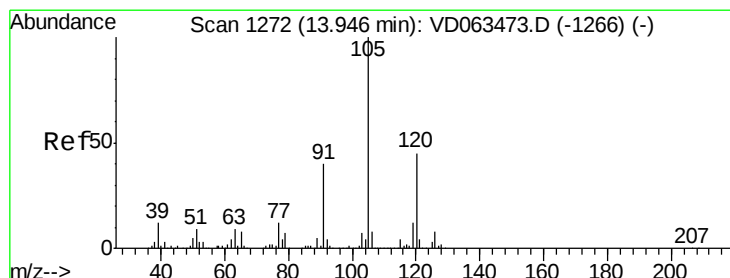
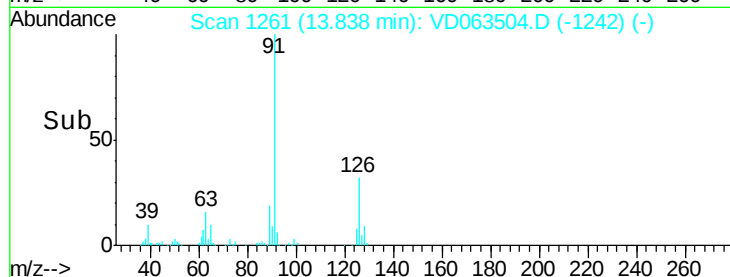
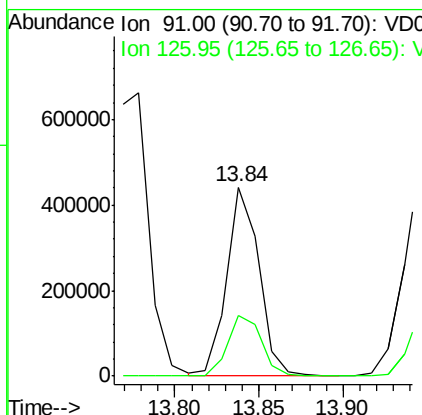
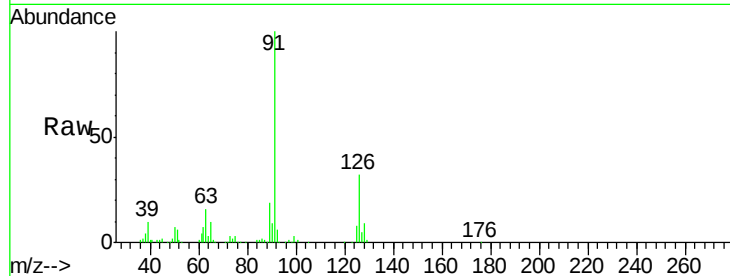




#79
 2-Chlorotoluene
 Concen: 22.446 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

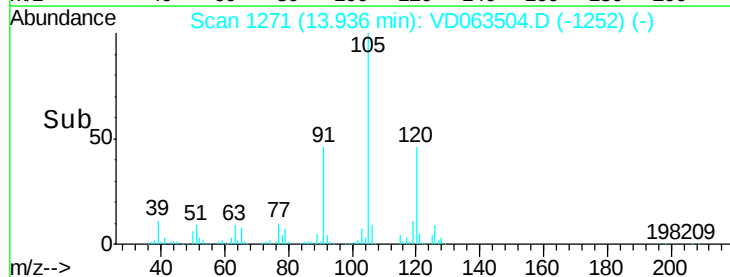
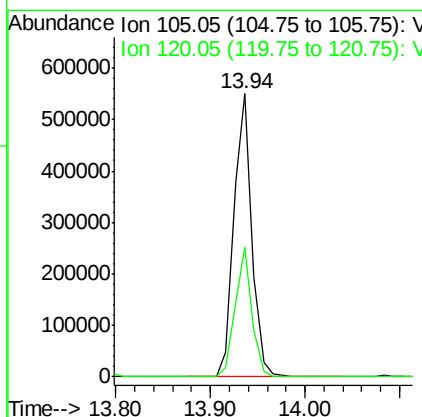
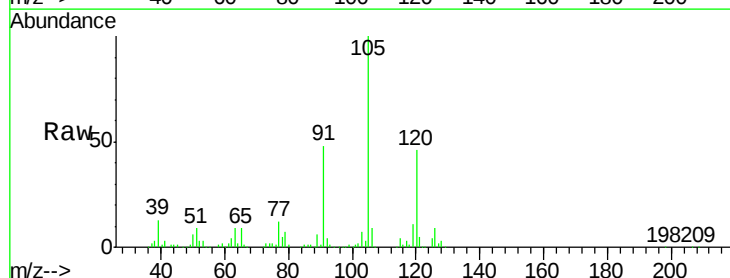
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

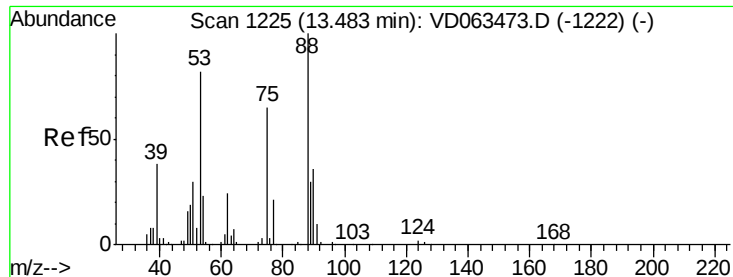
Tot Ion: 91 Resp: 590520
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.953 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion: 105 Resp: 713949
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.8 68.3

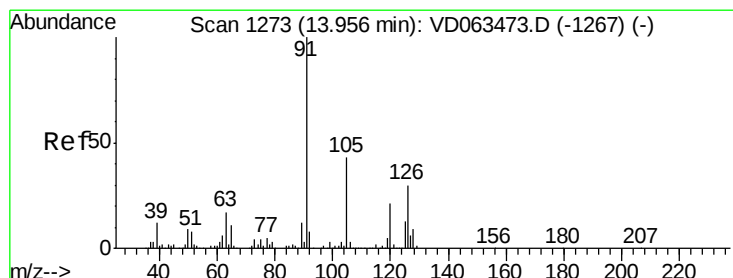
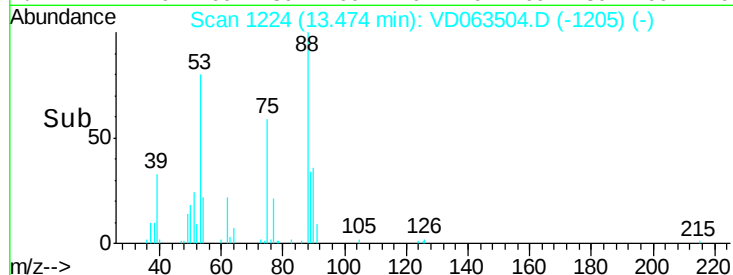
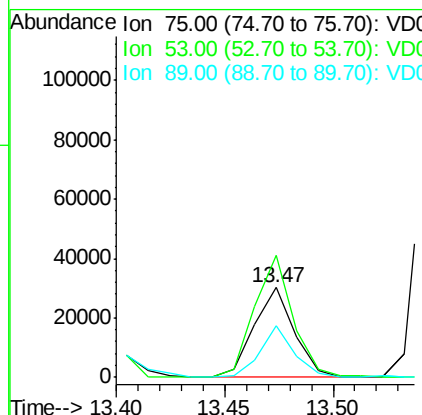
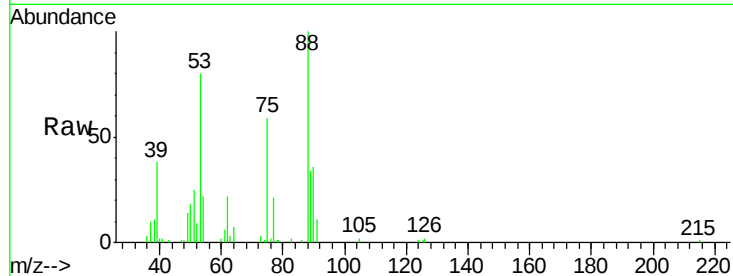




#81
trans-1,4-Dichloro-2-butene
Concen: 20.912 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

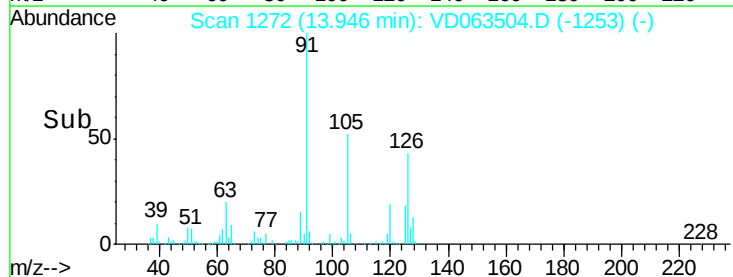
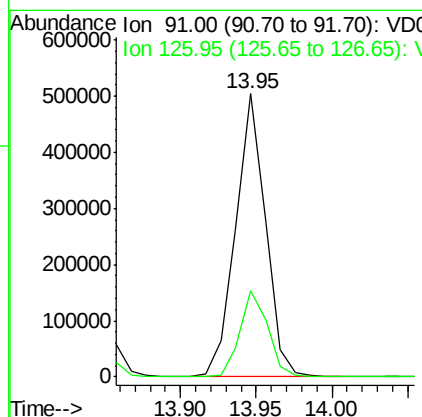
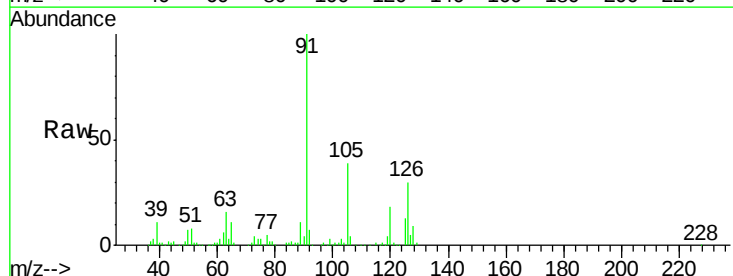
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

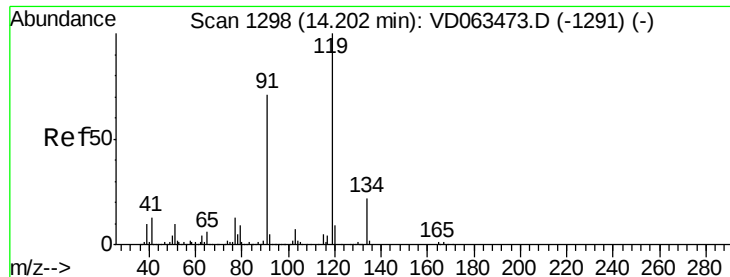
Tot Ion: 75 Resp: 39550
Ion Ratio Lower Upper
75 100
53 136.1 101.0 151.4
89 57.2 37.0 55.6#



#82
4-Chlorotoluene
Concen: 21.752 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion: 91 Resp: 688134
Ion Ratio Lower Upper
91 100
126 30.4 15.2 45.6

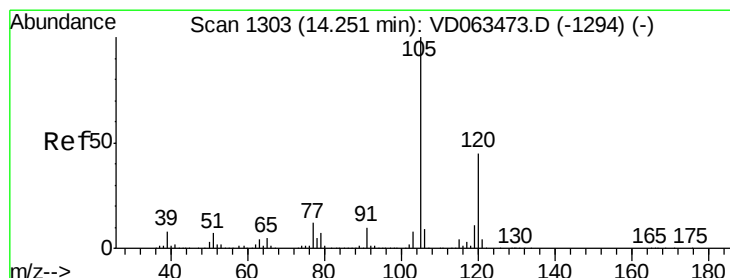
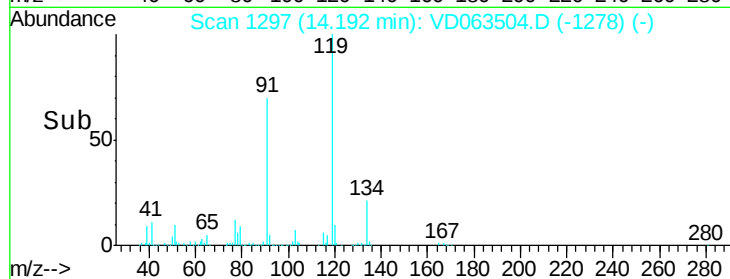
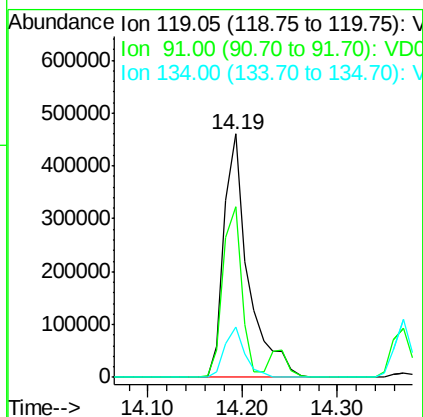
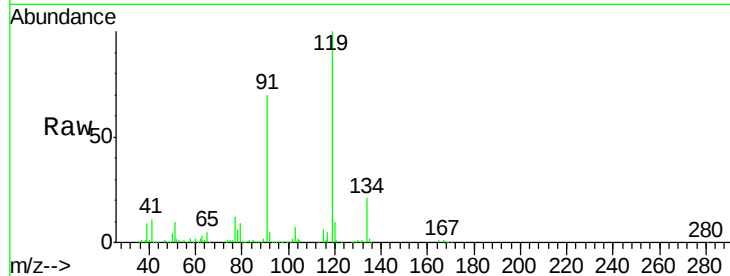




#83
 tert-Butylbenzene
 Concen: 22.856 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

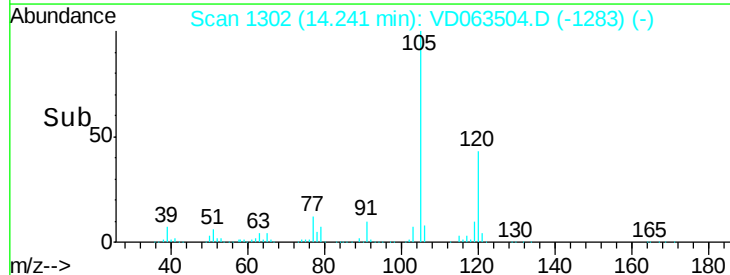
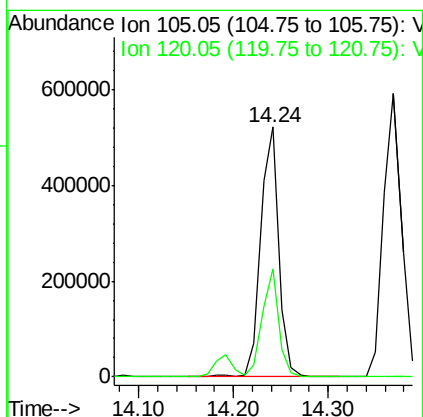
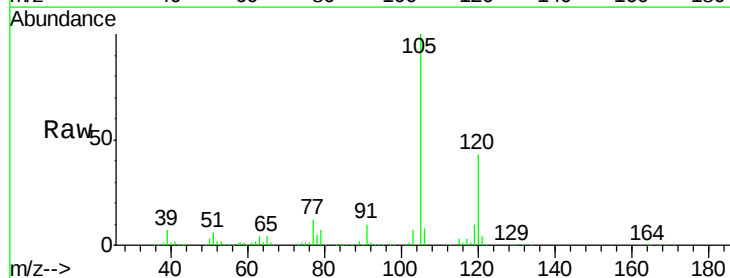
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

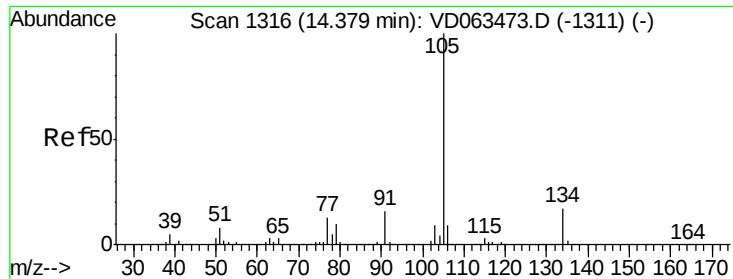
Tot Ion:119 Resp: 820108
 Ion Ratio Lower Upper
 119 100
 91 69.9 35.5 106.7
 134 20.8 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.246 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion:105 Resp: 701358
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.7 68.1

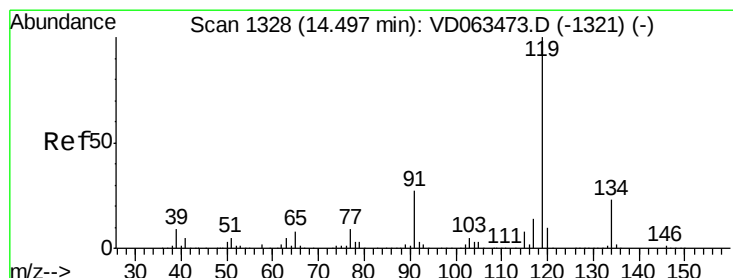
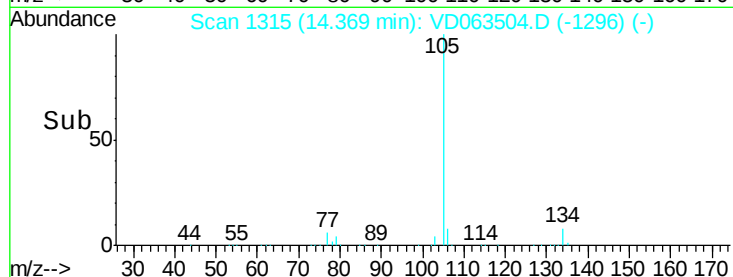
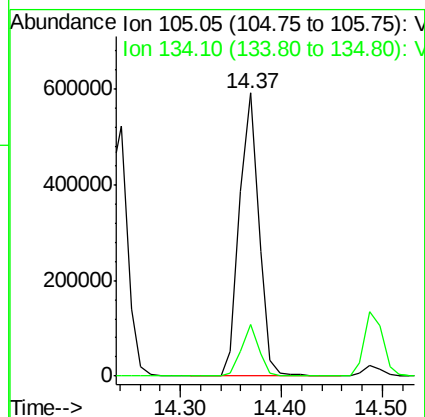
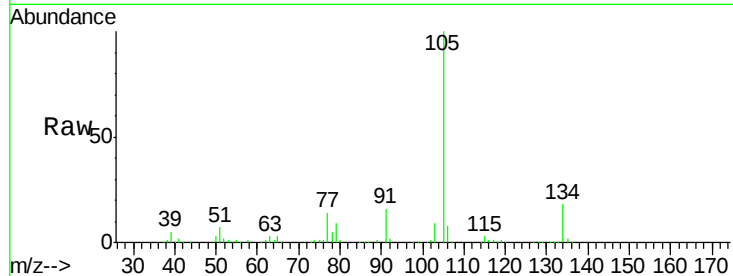




#85
 sec-Butylbenzene
 Concen: 20.703 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

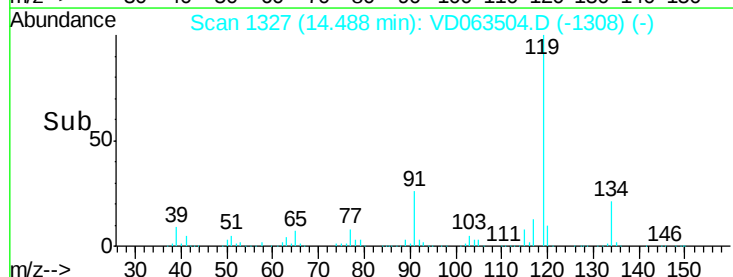
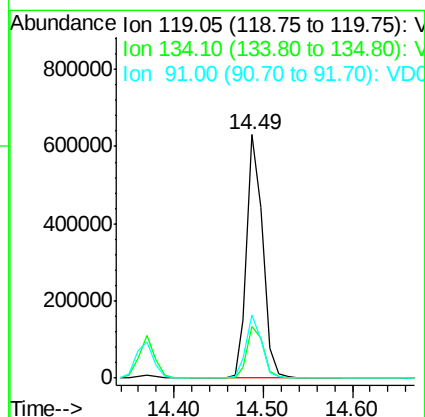
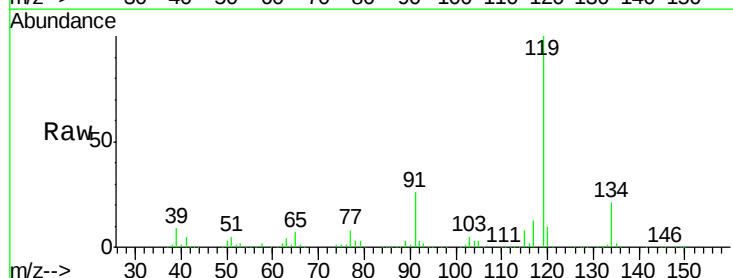
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

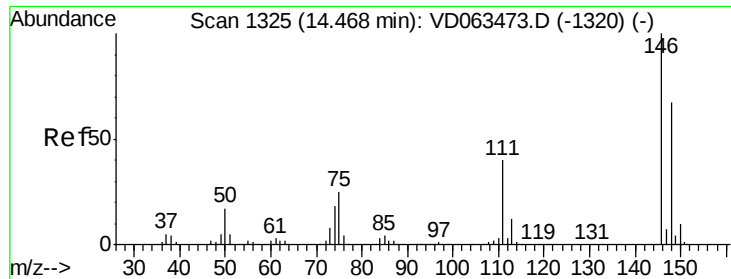
Tot Ion:105 Resp: 788884
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.652 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion:119 Resp: 788868
 Ion Ratio Lower Upper
 119 100
 134 21.3 11.3 33.8
 91 26.1 13.5 40.4

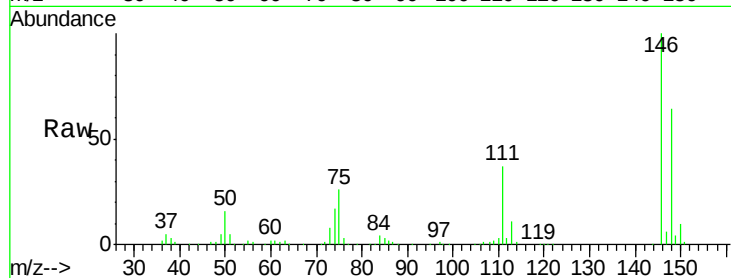




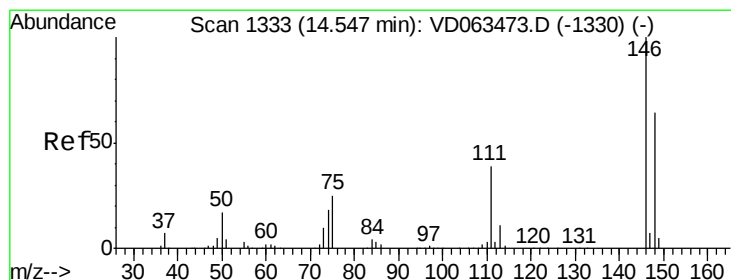
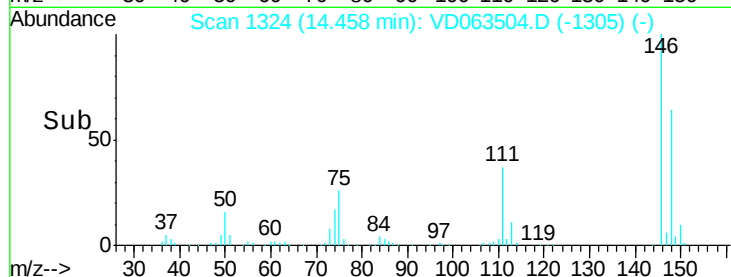
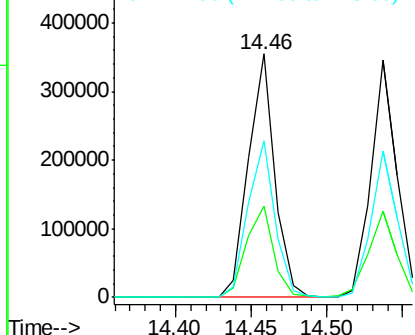
#87
 1,3-Dichlorobenzene
 Concen: 22.384 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion:146 Resp: 431535
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.0 60.0
 148 64.1 33.6 100.6

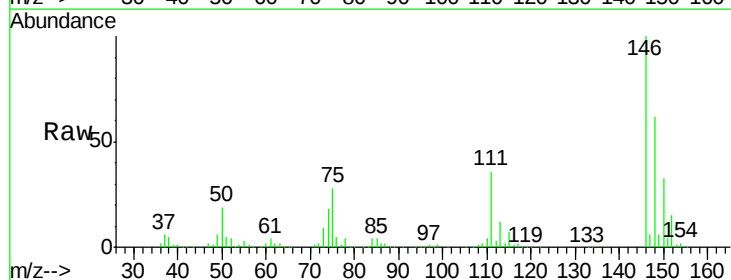


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

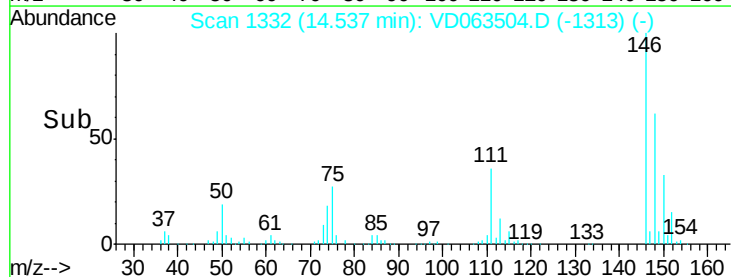
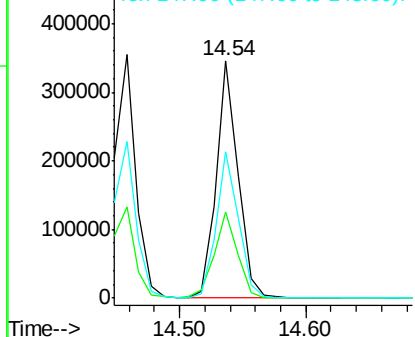


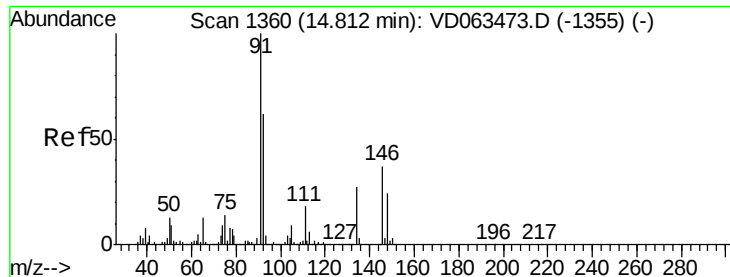
#88
 1,4-Dichlorobenzene
 Concen: 22.515 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion:146 Resp: 416447
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.7 59.0
 148 61.7 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: 20.572 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063504.D

Acq: 13 Aug 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBS02

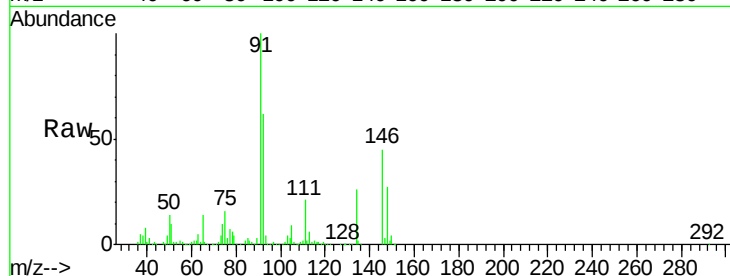
Tot Ion: 91 Resp: 684074

Ion Ratio Lower Upper

91 100

92 61.6 30.8 92.3

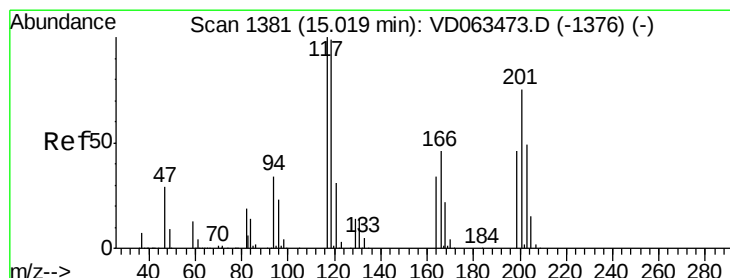
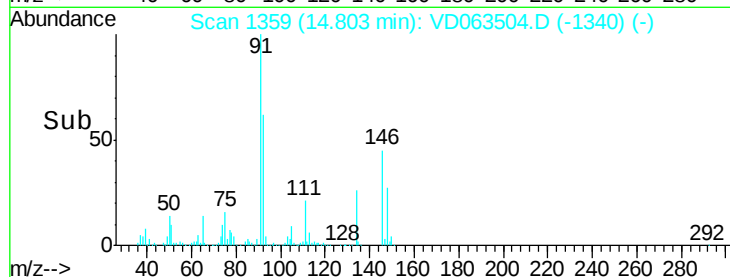
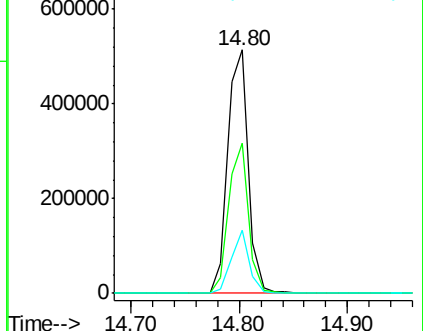
134 25.9 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.114 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063504.D

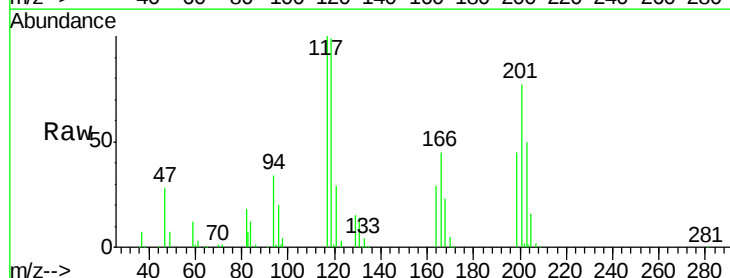
Acq: 13 Aug 2019 00:36

Tgt Ion: 117 Resp: 202510

Ion Ratio Lower Upper

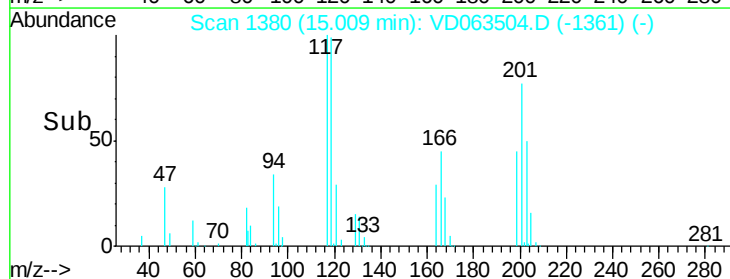
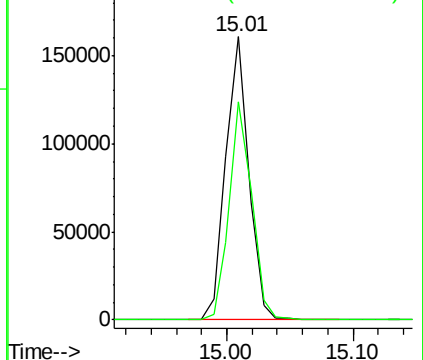
117 100

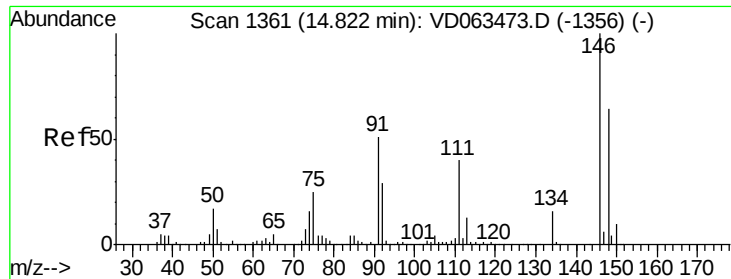
201 76.9 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

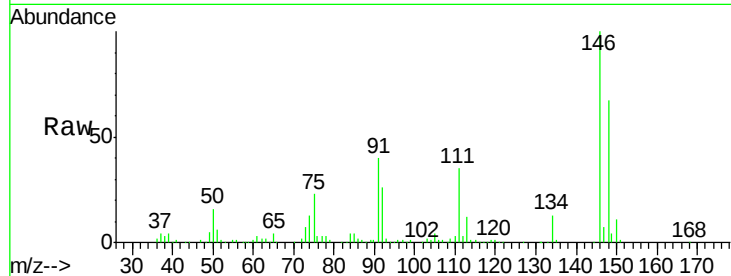




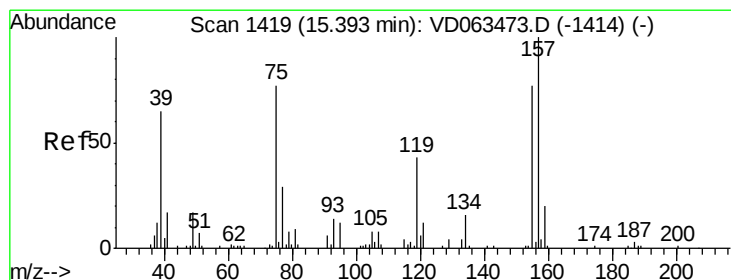
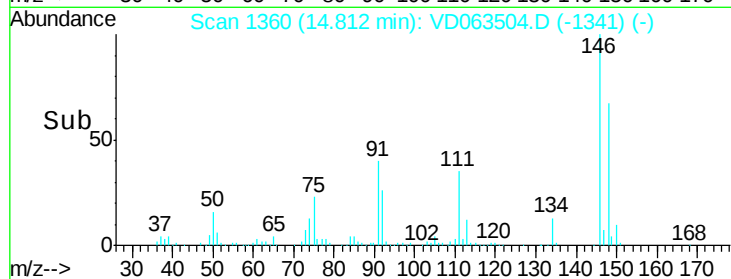
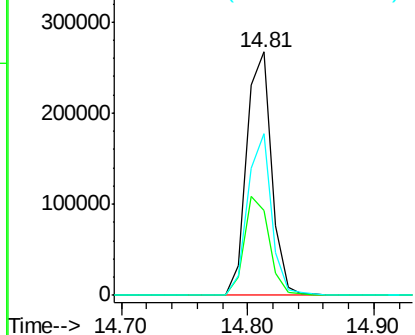
#91
 1,2-Dichlorobenzene
 Concen: 22.479 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion:146 Resp: 367679
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.2 60.6
 148 66.5 32.1 96.5

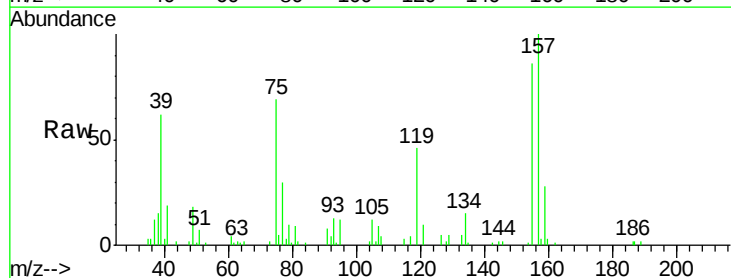


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

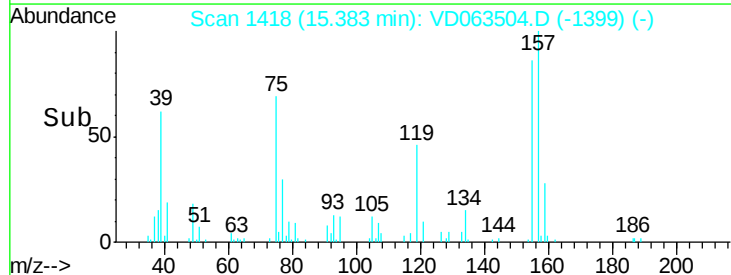
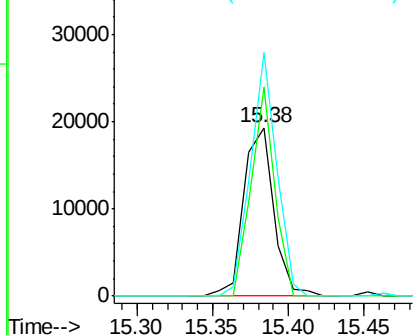


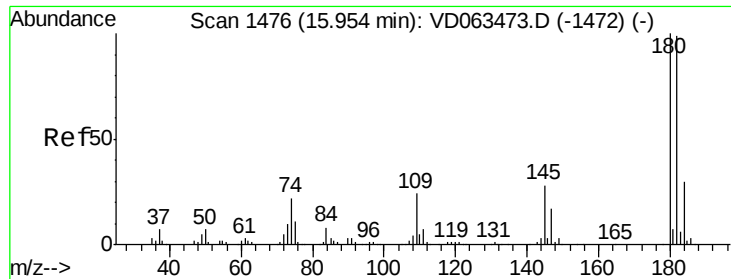
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.906 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion: 75 Resp: 26699
 Ion Ratio Lower Upper
 75 100
 155 123.9 50.1 150.3
 157 144.4 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

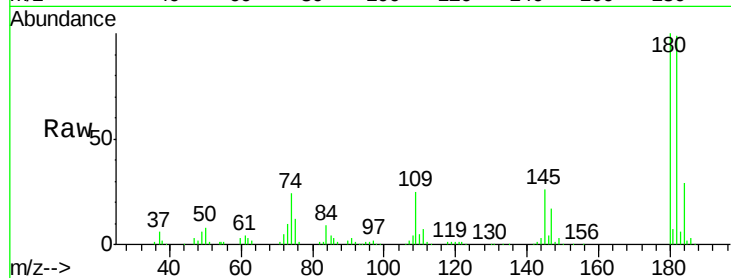




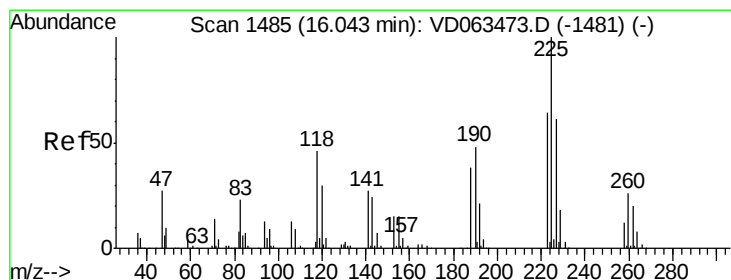
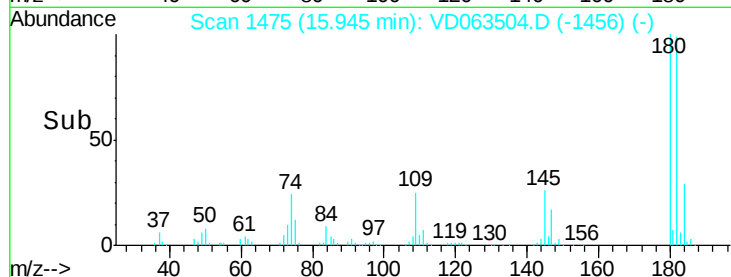
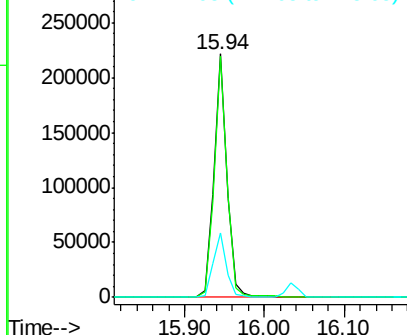
#93
 1,2,4-Trichlorobenzene
 Concen: 21.451 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	49.7	149.1
145	26.2	14.1	42.2

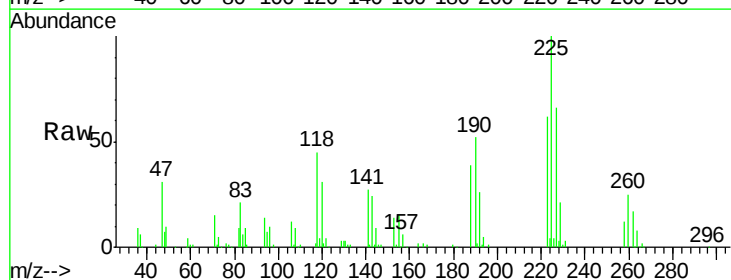


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

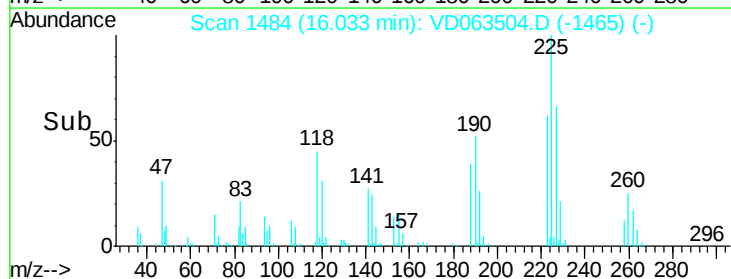
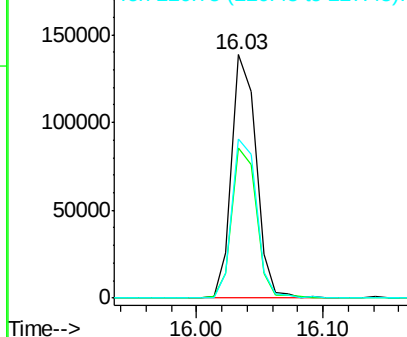


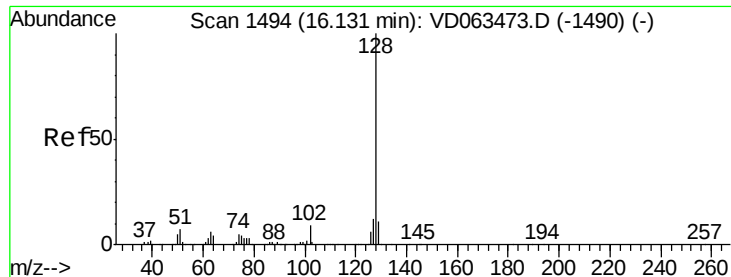
#94
 Hexachlorobutadiene
 Concen: 20.357 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063504.D
 Acq: 13 Aug 2019 00:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.5
227	65.5	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

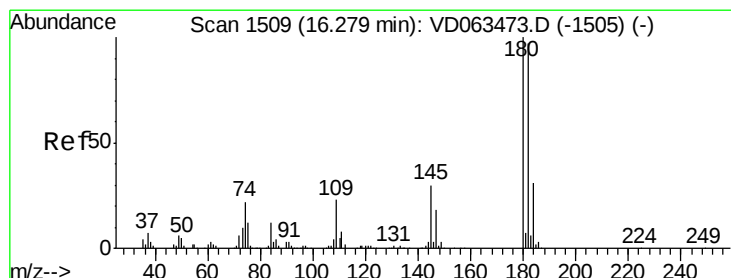
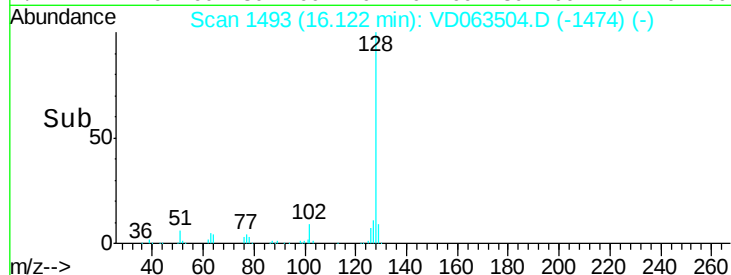
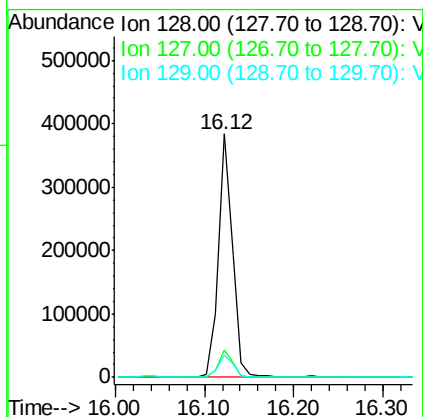
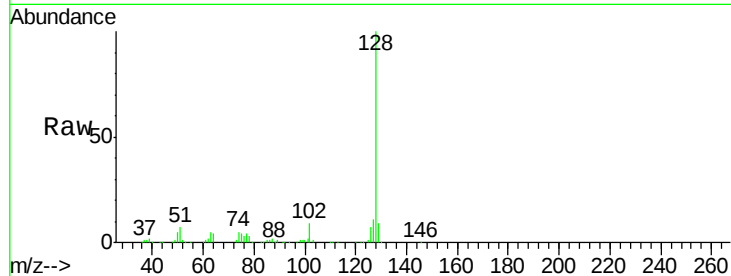




#95
Naphthalene
Concen: 23.404 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Instrument :
MSVOA_D
ClientSampleId :
VD0812SBS02

Tot Ion:128 Resp: 426890
Ion Ratio Lower Upper
128 100
127 11.4 9.4 14.0
129 9.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 23.324 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063504.D
Acq: 13 Aug 2019 00:36

Tgt Ion:180 Resp: 226732
Ion Ratio Lower Upper
180 100
182 95.1 48.4 145.2
145 30.0 14.9 44.9

