

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063652.D
 Acq On : 19 Aug 2019 12:47
 Operator : JC/SY
 Sample : VD0819SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 20 08:12:46 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	7.04	168	1099038	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1579293	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1270264	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	717090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	596321	50.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	6.93	113	645448	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.41	98	1493520	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	13.55	95	641013	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	278644	20.956	ug/l	95
3) Chloromethane	1.74	50	227321	21.882	ug/l	93
4) Vinyl Chloride	1.85	62	220705	21.401	ug/l	98
5) Bromomethane	2.14	94	94707	19.462	ug/l	96
6) Chloroethane	2.25	64	103387	21.922	ug/l	92
7) Trichlorofluoromethane	2.53	101	407175	20.128	ug/l	99
8) Diethyl Ether	2.87	74	56618	19.824	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	241766	20.241	ug/l	99
10) Methyl Iodide	3.31	142	286620	16.959	ug/l	91
11) Tert butyl alcohol	4.08	59	56240	109.971	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	186622	21.014	ug/l	82
13) Acrolein	3.03	56	37154	73.808	ug/l	94
14) Allyl chloride	3.62	41	277458	20.783	ug/l	95
15) Acrylonitrile	4.20	53	151348	111.729	ug/l	85
16) Acetone	3.23	43	247931	103.819	ug/l	97
17) Carbon Disulfide	3.36	76	584095	20.840	ug/l	99
18) Methyl Acetate	3.64	43	91808	20.296	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	387234	21.803	ug/l	95
20) Methylene Chloride	3.81	84	201796	19.542	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	202640	21.684	ug/l	92
22) Diisopropyl ether	5.13	45	578624	21.004	ug/l	94
23) Vinyl Acetate	5.06	43	1672764	104.447	ug/l	97
24) 1,1-Dichloroethane	4.98	63	379899	22.234	ug/l	99
25) 2-Butanone	6.07	43	242868	102.972	ug/l	96
26) 2,2-Dichloropropane	6.01	77	367714	21.606	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	208468	20.389	ug/l	86
28) Bromochloromethane	6.44	49	136776	19.751	ug/l	100
29) Tetrahydrofuran	6.47	42	114852	104.502	ug/l	93
30) Chloroform	6.66	83	447015	21.048	ug/l	96
31) Cyclohexane	6.95	56	221253	20.858	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	439216	21.619	ug/l	96
36) 1,1-Dichloropropene	7.14	75	289029	20.702	ug/l	95
37) Ethyl Acetate	6.18	43	120376	20.576	ug/l #	94
38) Carbon Tetrachloride	7.11	117	453547	21.555	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	233129	19.637	ug/l	97
40) Benzene	7.45	78	625333	20.353	ug/l	99
41) Methacrylonitrile	6.45	41	154703	21.002	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	329668	21.339	ug/l	97
43) Isopropyl Acetate	9.24	43	164828	21.037	ug/l #	100
44) Trichloroethene	8.54	130	244365	20.809	ug/l	92
45) 1,2-Dichloropropane	8.94	63	156201	21.831	ug/l	92
46) Dibromomethane	9.06	93	120521	19.725	ug/l	92
47) Bromodichloromethane	9.37	83	323796	20.659	ug/l	99
48) Methyl methacrylate	9.12	41	102266	19.246	ug/l	93
49) 1,4-Dioxane	9.08	88	18970	414.632	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	571100	106.519	ug/l	95
52) Toluene	10.51	92	428170	21.637	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	281174	21.983	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	299408	20.760	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	141536	21.173	ug/l	95
56) Ethyl methacrylate	11.04	69	152758	21.054	ug/l	97
57) 1,3-Dichloropropane	11.41	76	218188	21.593	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	383182	100.036	ug/l	100
59) 2-Hexanone	11.53	43	415787	106.580	ug/l	98
60) Dibromochloromethane	11.68	129	265762	21.849	ug/l	97
61) 1,2-Dibromoethane	11.80	107	167539	20.703	ug/l	99
64) Tetrachloroethene	11.26	164	212564	21.677	ug/l	96
65) Chlorobenzene	12.40	112	526207	22.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	220696	21.063	ug/l	91
67) Ethyl Benzene	12.52	91	863090	20.850	ug/l	99
68) m/p-Xylenes	12.67	106	628722	43.230	ug/l	99
69) o-Xylene	13.04	106	306571	21.901	ug/l	99
70) Styrene	13.07	104	530034	21.287	ug/l	97
71) Bromoform	13.23	173	151951	21.150	ug/l #	97
73) Isopropylbenzene	13.41	105	986781	21.635	ug/l	100
74) N-amyl acetate	13.27	43	210932	18.422	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	156059	20.614	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	177403	21.556	ug/l	99
77) Bromobenzene	13.67	156	255339	20.484	ug/l	88
78) n-propylbenzene	13.77	91	1039232	19.474	ug/l	97
79) 2-Chlorotoluene	13.84	91	620762	20.174	ug/l	87
80) 1,3,5-Trimethylbenzene	13.93	105	778070	19.524	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	43660	19.738	ug/l	94
82) 4-Chlorotoluene	13.95	91	726662	19.639	ug/l	93
83) tert-Butylbenzene	14.18	119	914483	21.791	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	783522	21.249	ug/l	94
85) sec-Butylbenzene	14.37	105	883952	19.834	ug/l	98
86) p-Isopropyltoluene	14.49	119	872222	20.469	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	437202	19.390	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	461442	21.330	ug/l	96
89) n-Butylbenzene	14.79	91	791833	20.360	ug/l	94
90) Hexachloroethane	15.00	117	217212	20.280	ug/l	79
91) 1,2-Dichlorobenzene	14.80	146	407224	21.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	29163	20.458	ug/l	69

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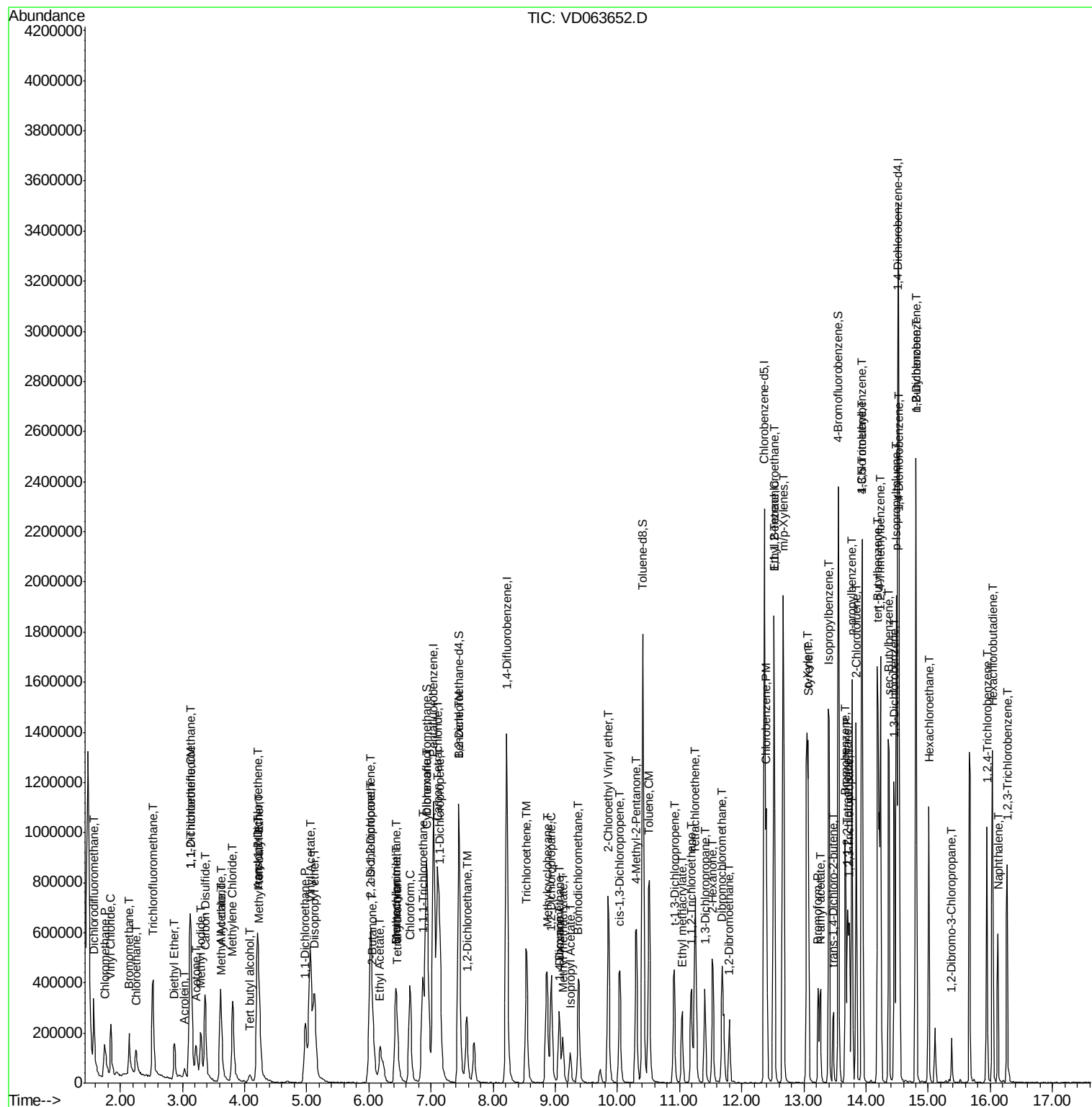
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	302697	21.504	ug/l	94
94) Hexachlorobutadiene	16.03	225	206754	19.272	ug/l	95
95) Naphthalene	16.12	128	361278	16.935	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	220591	19.402	ug/l	98

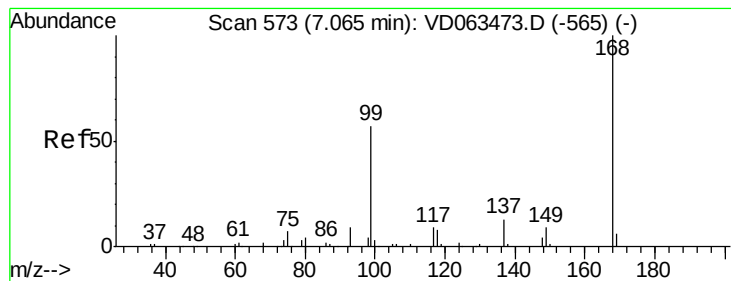
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

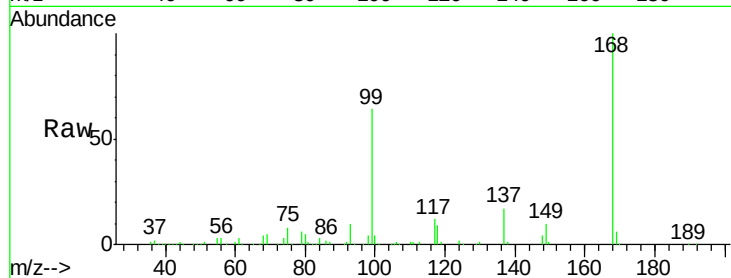
VD0819SBS01

Tot Ion:168 Resp: 1099038

Ion Ratio Lower Upper

168 100

99 63.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

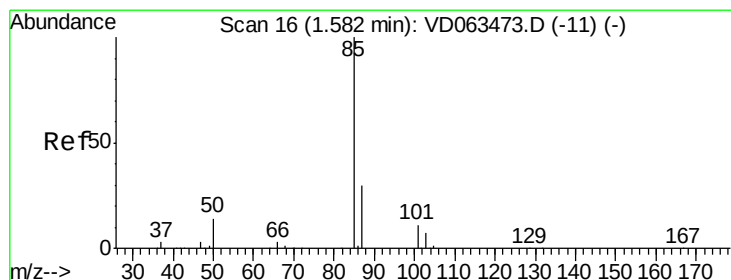
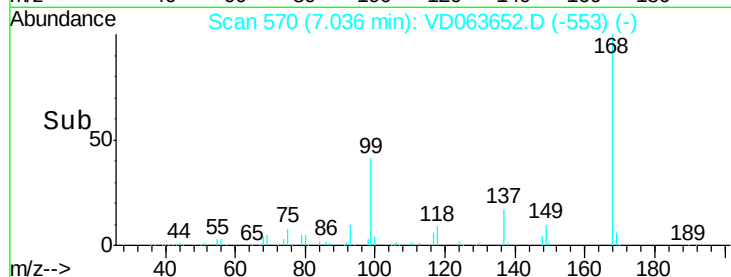
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.956 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063652.D

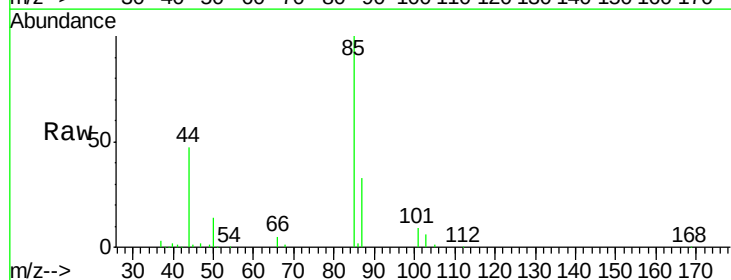
Acq: 19 Aug 2019 12:47

Tgt Ion: 85 Resp: 278644

Ion Ratio Lower Upper

85 100

87 32.8 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

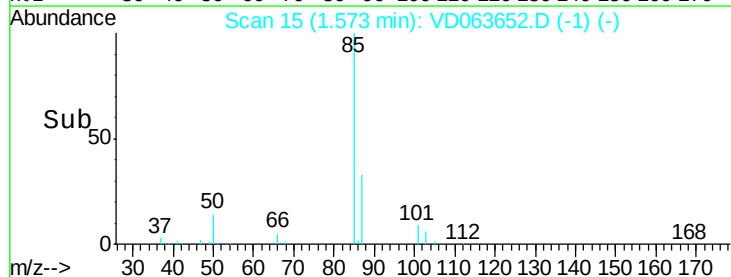
100000

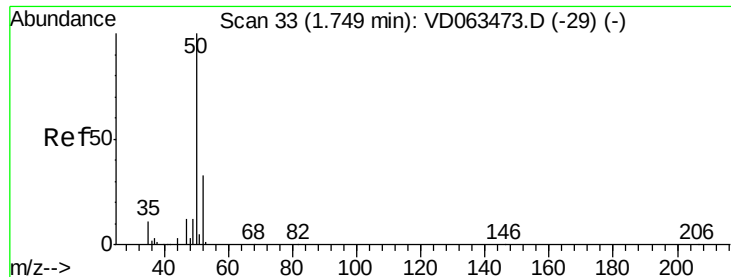
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.882 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

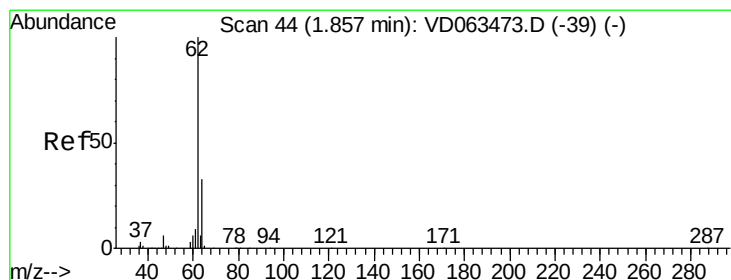
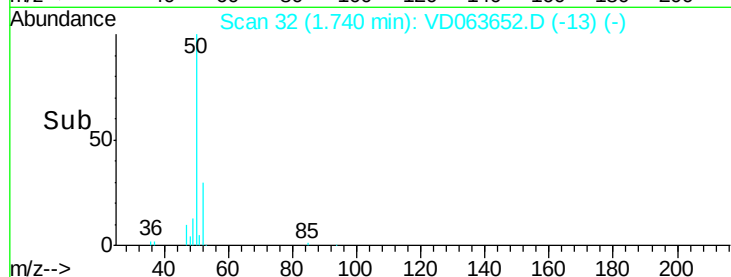
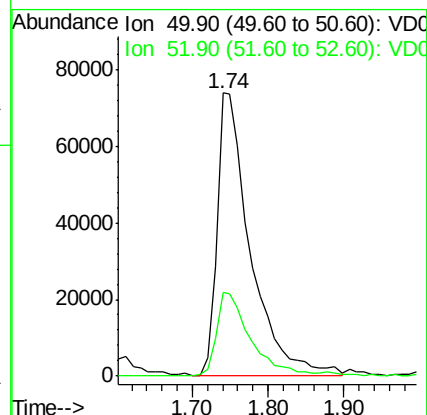
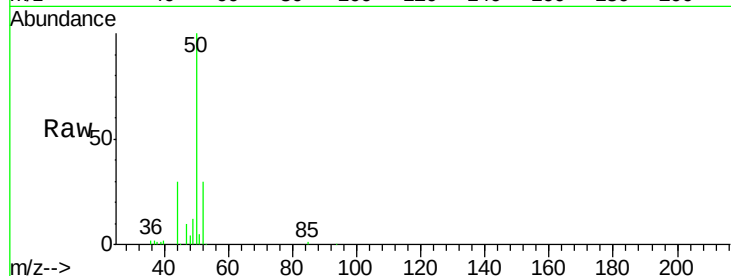
VD0819SBS01

Tot Ion: 50 Resp: 227321

Ion Ratio Lower Upper

50 100

52 29.6 26.6 40.0



#4

Vinyl Chloride

Concen: 21.401 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063652.D

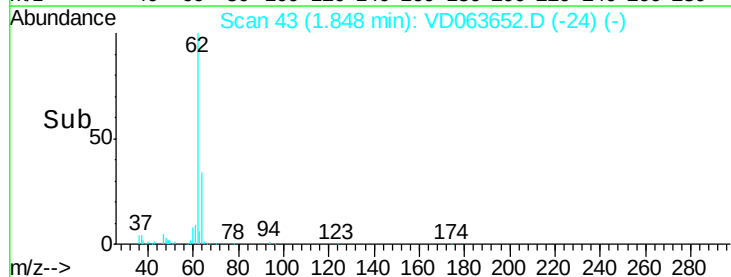
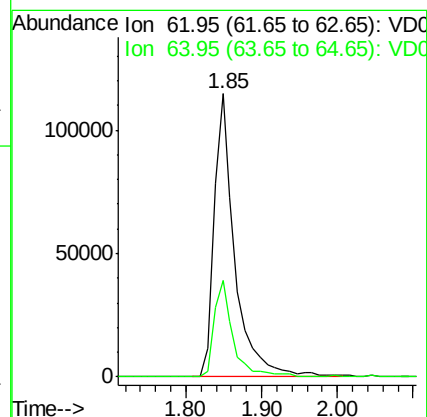
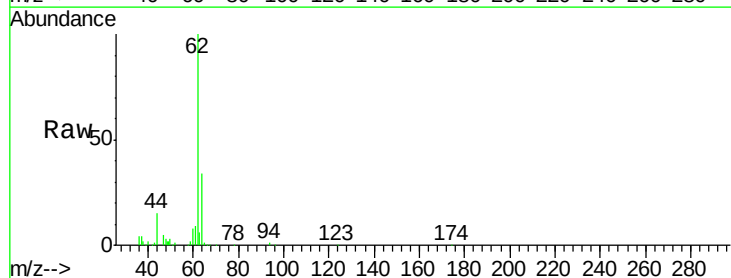
Acq: 19 Aug 2019 12:47

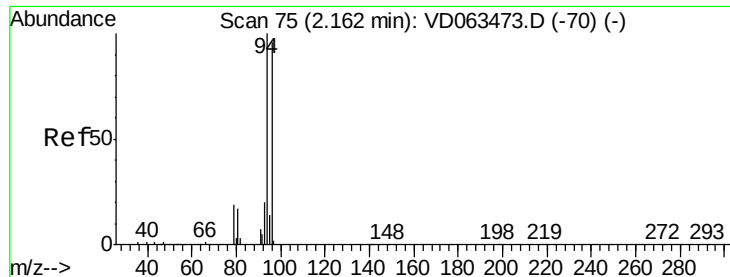
Tgt Ion: 62 Resp: 220705

Ion Ratio Lower Upper

62 100

64 33.9 26.4 39.6





#5

Bromomethane

Concen: 19.462 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

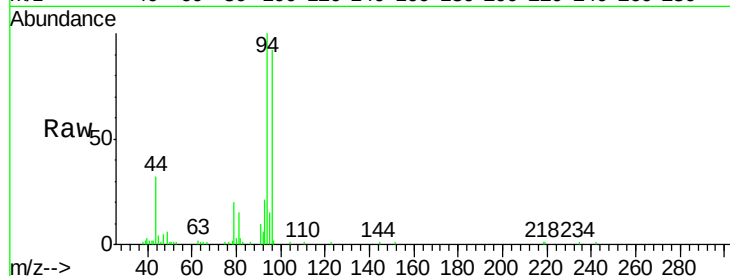
Tot Ion: 94 Resp: 94707

Ion Ratio Lower Upper

94 100

96 91.7 76.5 114.7

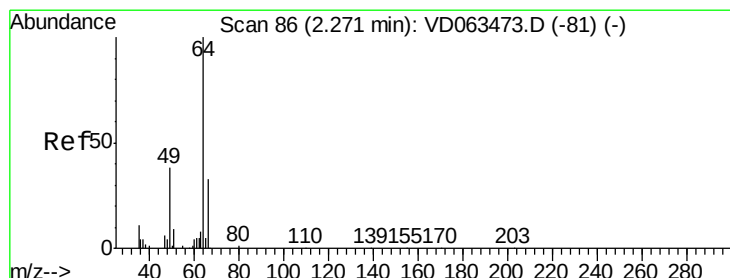
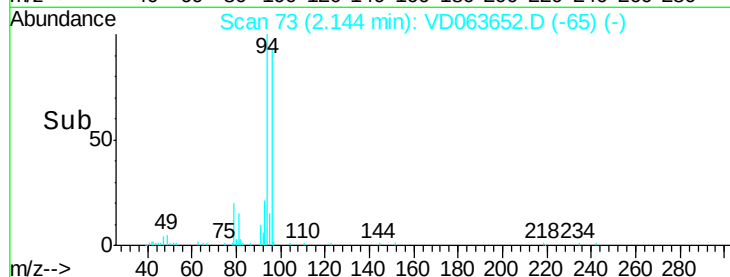
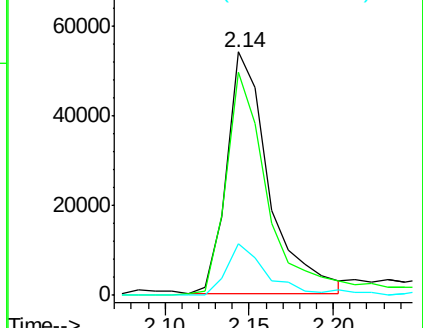
93 21.0 15.8 23.8



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: 21.922 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063652.D

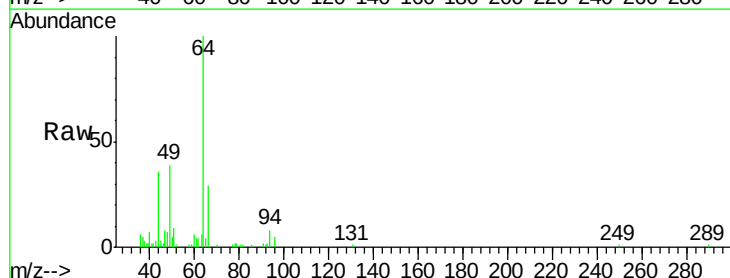
Acq: 19 Aug 2019 12:47

Tgt Ion: 64 Resp: 103387

Ion Ratio Lower Upper

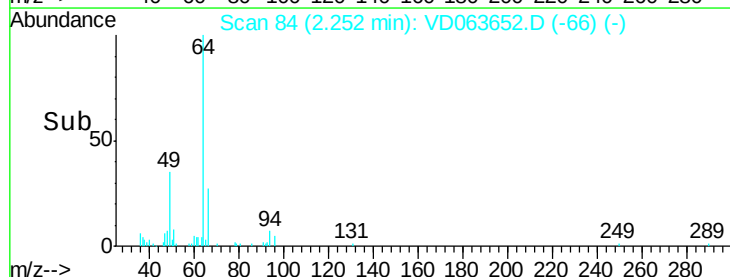
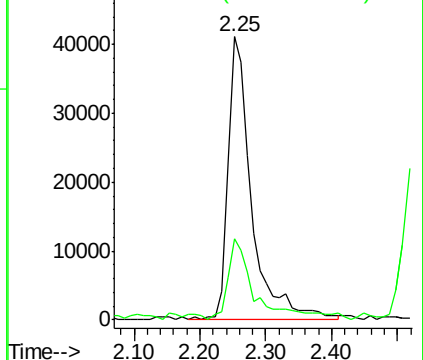
64 100

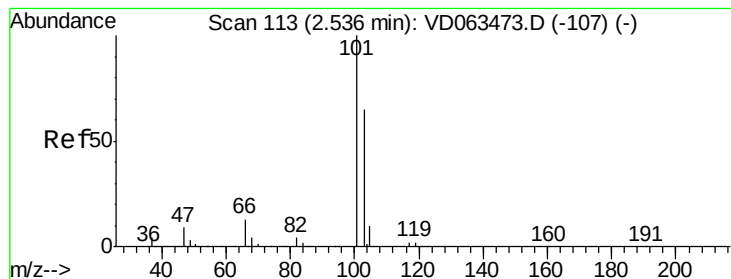
66 28.5 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



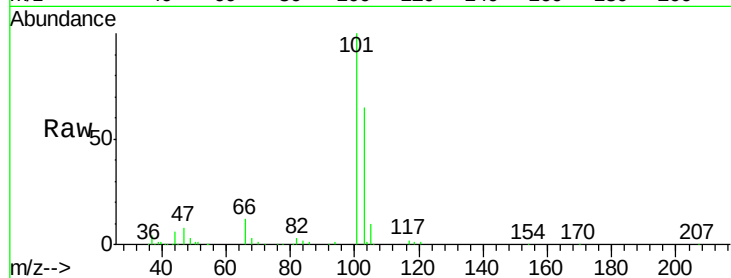


#7

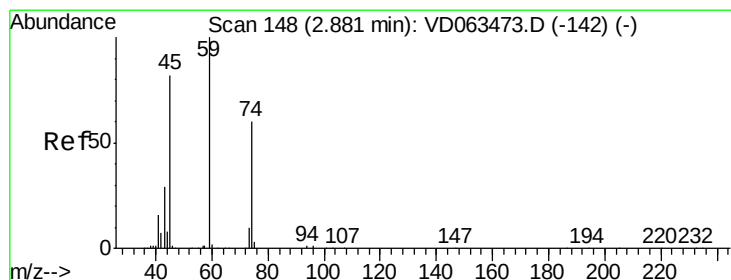
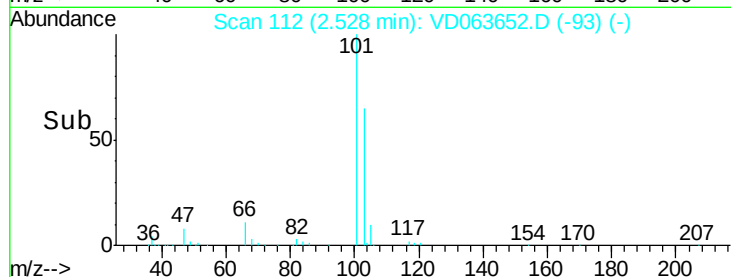
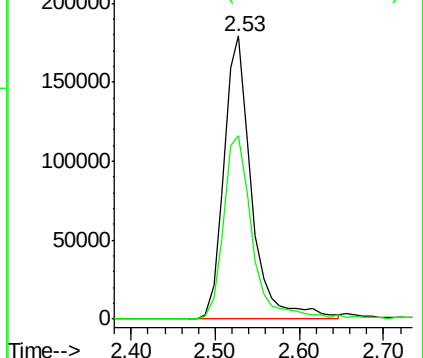
Trichlorofluoromethane
 Concen: 20.128 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
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Tot Ion:101 Resp: 407175
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.4



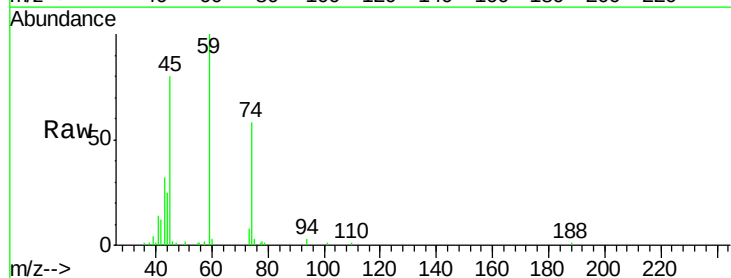
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



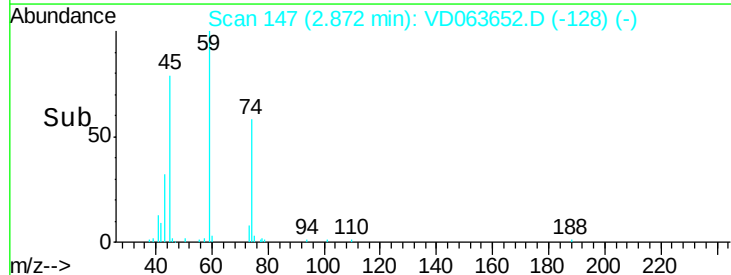
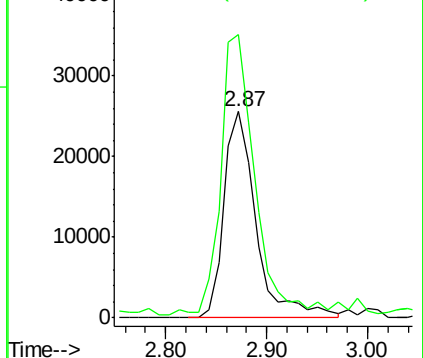
#8

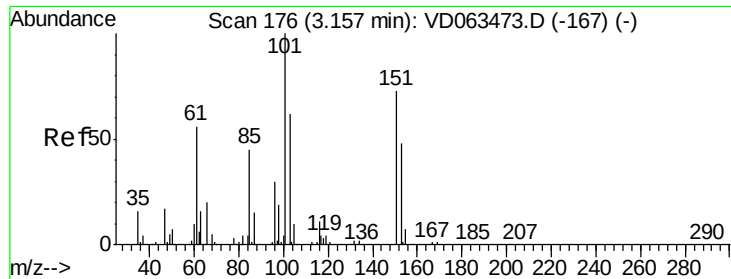
Diethyl Ether
 Concen: 19.824 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063652.D
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Tgt Ion: 74 Resp: 56618
 Ion Ratio Lower Upper
 74 100
 45 137.4 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.241 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

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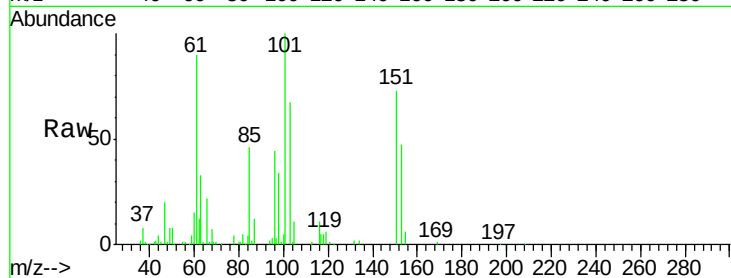
Tot Ion:101 Resp: 241766

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.6

151 72.9 58.6 88.0

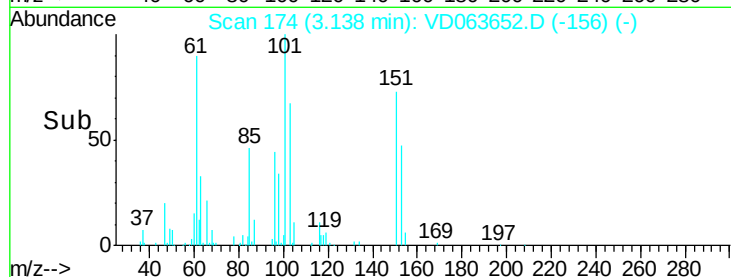


Abundance Ion 100.85 (100.55 to 101.55): V

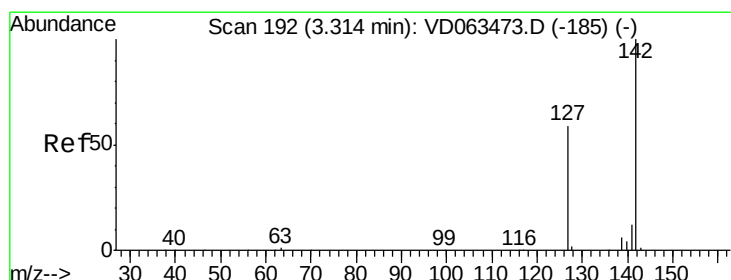
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 16.959 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

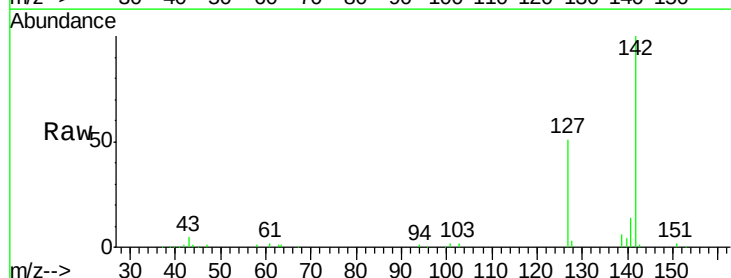
Tgt Ion:142 Resp: 286620

Ion Ratio Lower Upper

142 100

127 51.4 47.2 70.8

141 14.1 9.8 14.8

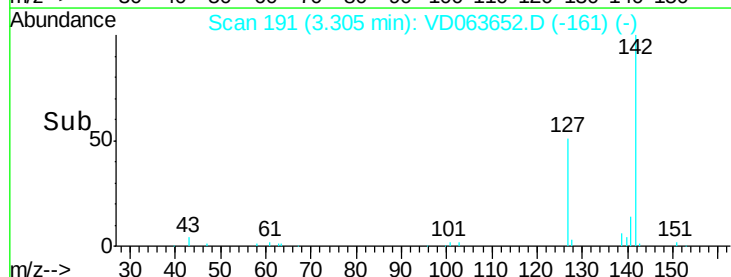


Abundance Ion 141.85 (141.55 to 142.55): V

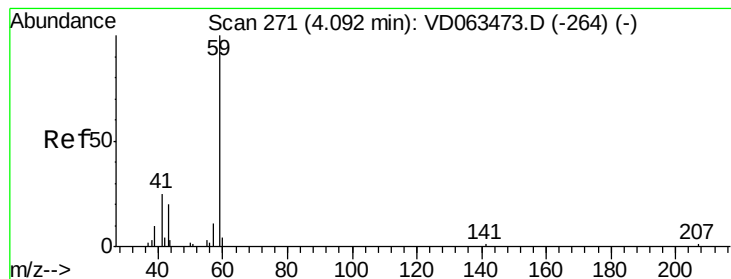
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 109.971 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

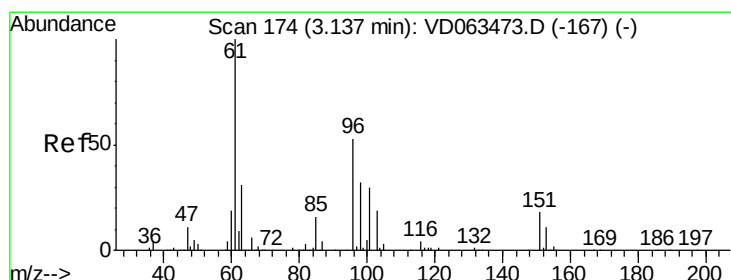
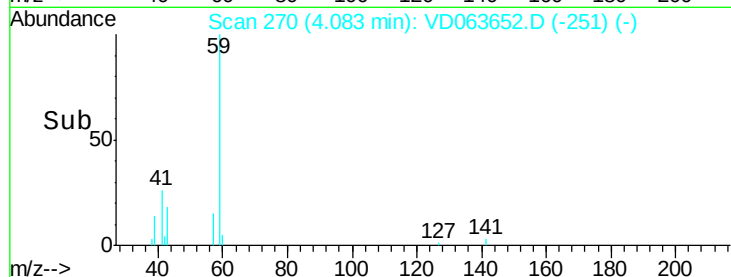
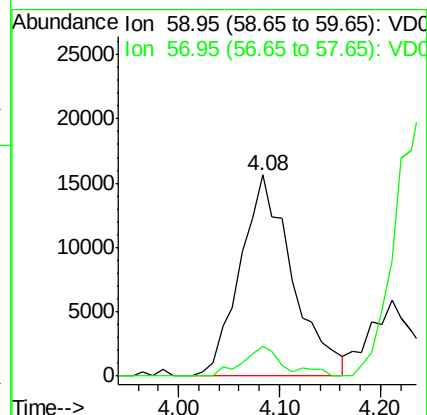
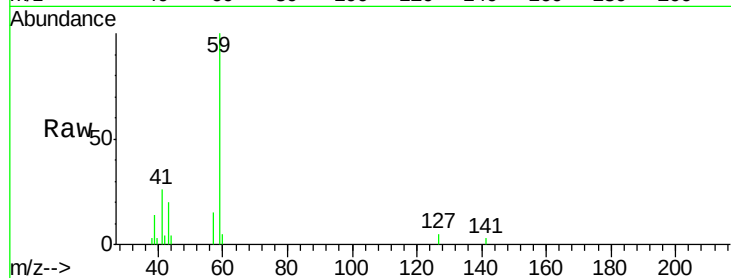
VD0819SBS01

Tot Ion: 59 Resp: 56240

Ion Ratio Lower Upper

59 100

57 15.0 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 21.014 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

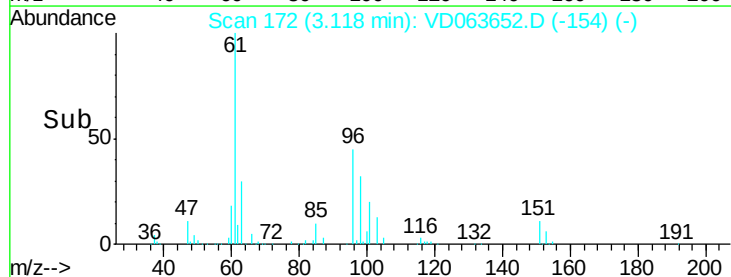
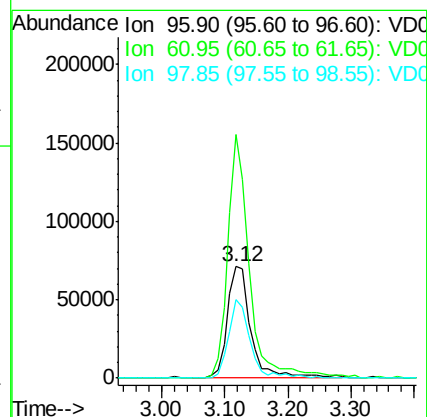
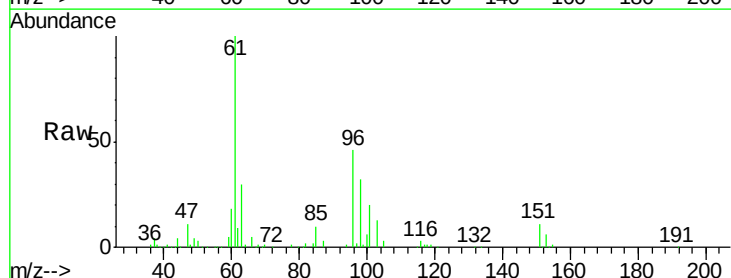
Tgt Ion: 96 Resp: 186622

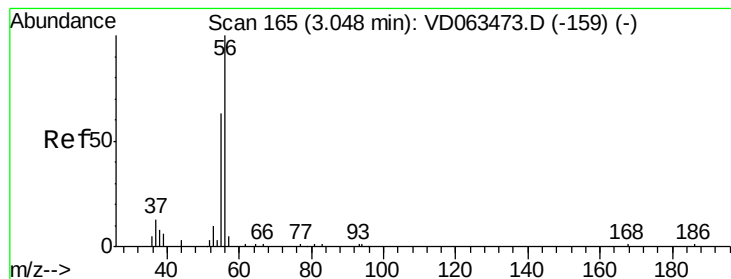
Ion Ratio Lower Upper

96 100

61 218.9 151.7 227.5

98 70.1 48.4 72.6





#13

Acrolein

Concen: 73.808 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

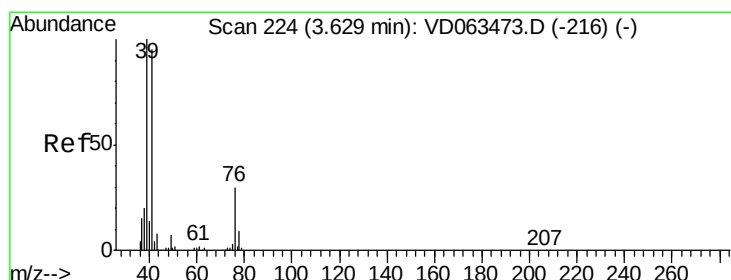
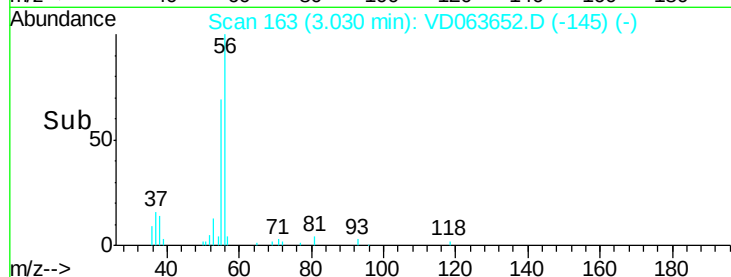
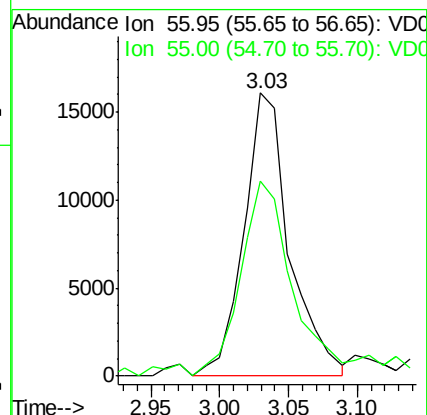
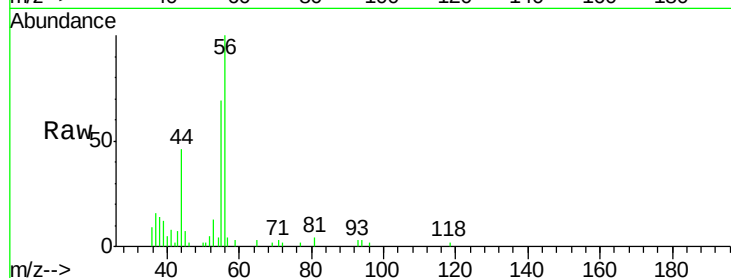
VD0819SBS01

Tot Ion: 56 Resp: 37154

Ion Ratio Lower Upper

56 100

55 68.7 51.3 76.9



#14

Allyl chloride

Concen: 20.783 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

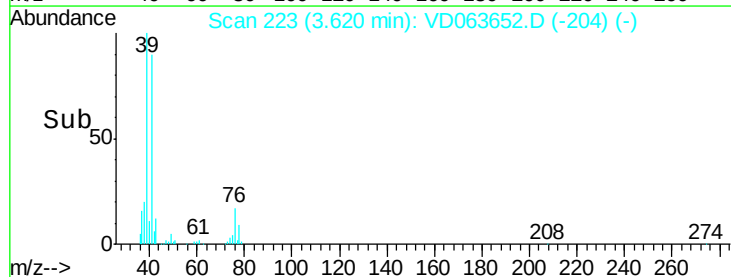
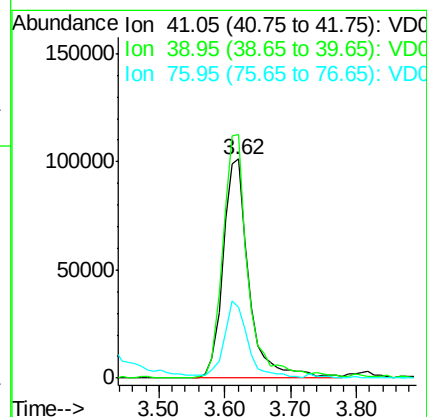
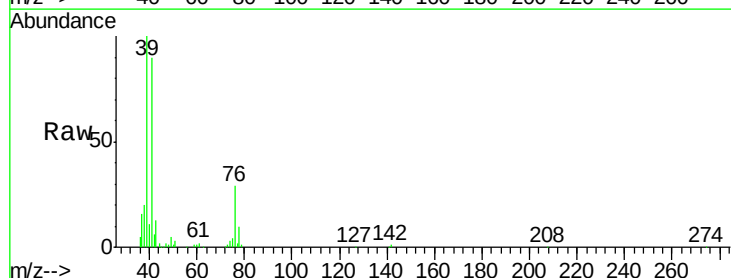
Tgt Ion: 41 Resp: 277458

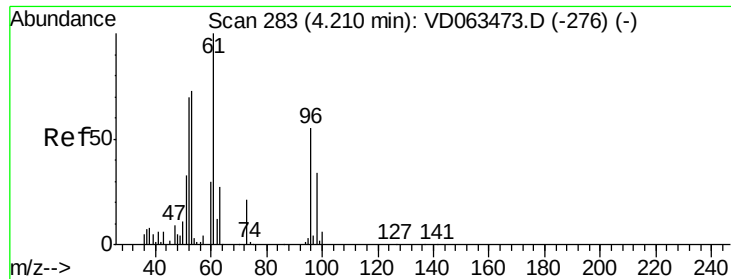
Ion Ratio Lower Upper

41 100

39 111.3 84.2 126.4

76 32.1 26.0 39.0





#15

Acrylonitrile

Concen: 111.729 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

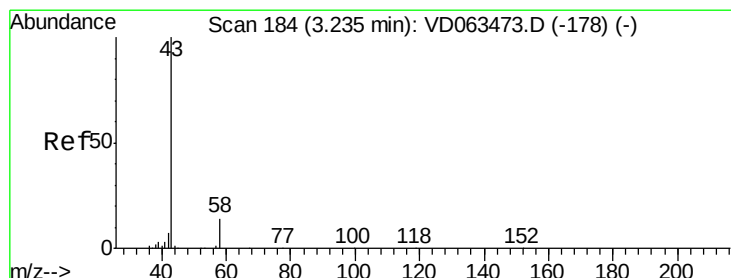
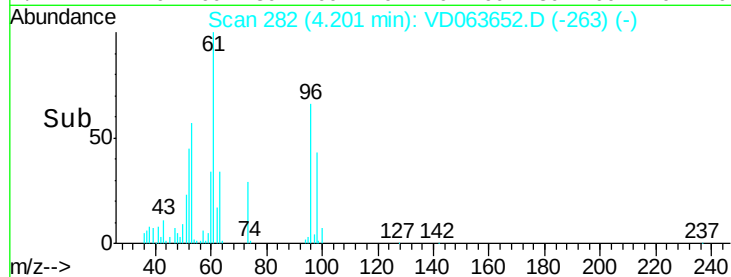
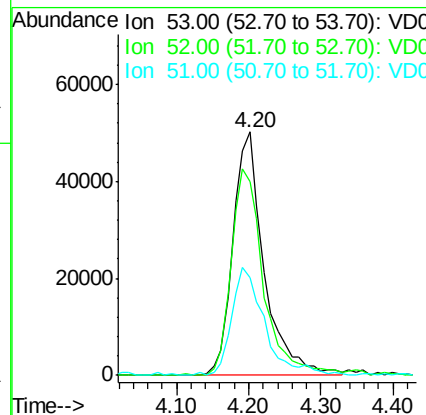
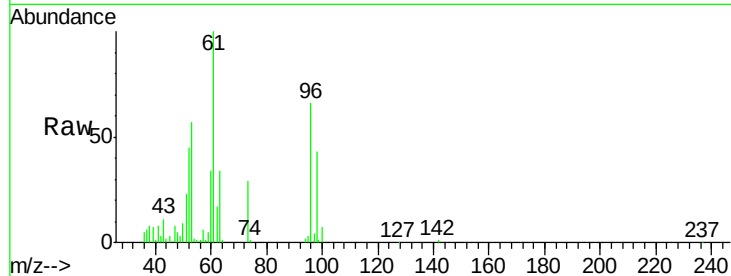
Tot Ion: 53 Resp: 151348

Ion Ratio Lower Upper

53 100

52 79.6 77.4 116.0

51 40.0 36.7 55.1



#16

Acetone

Concen: 103.819 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063652.D

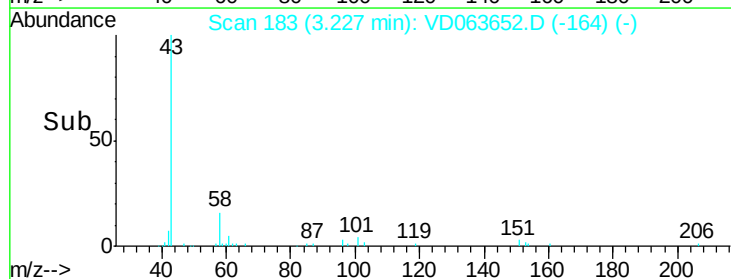
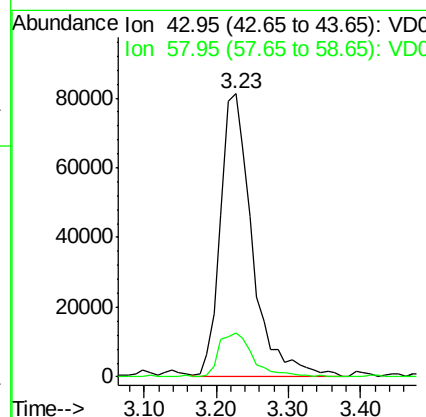
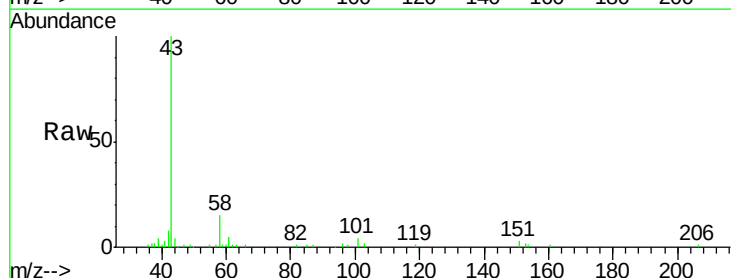
Acq: 19 Aug 2019 12:47

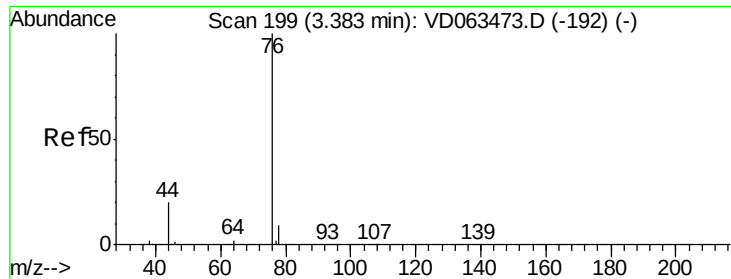
Tgt Ion: 43 Resp: 247931

Ion Ratio Lower Upper

43 100

58 15.4 11.4 17.2

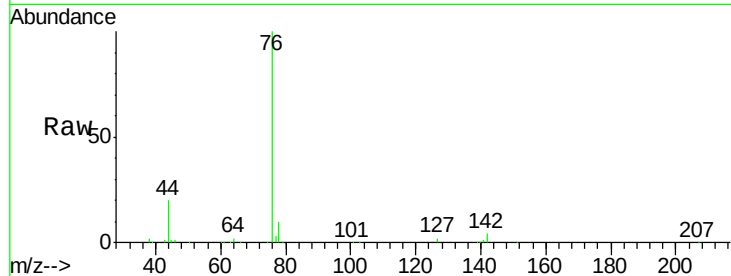




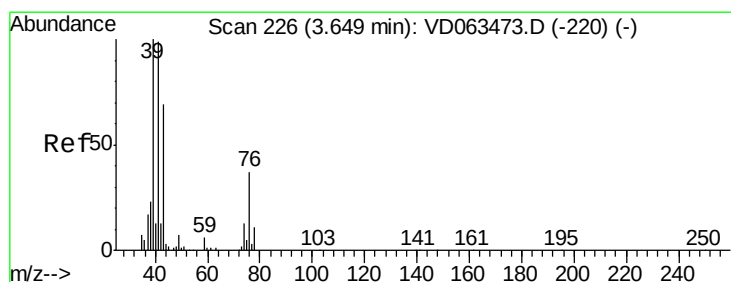
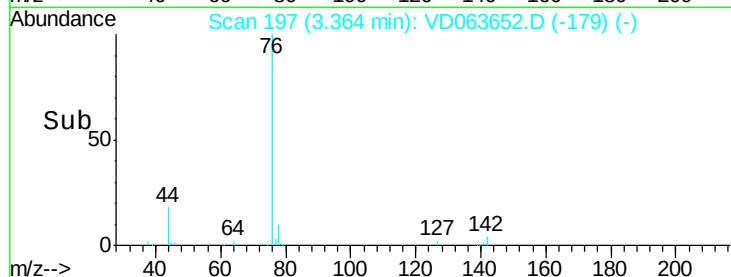
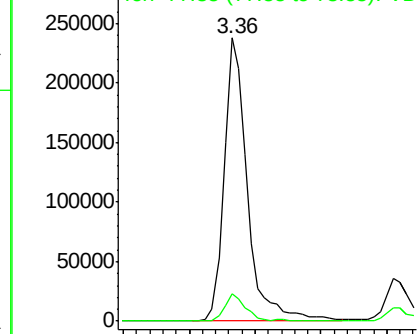
#17
Carbon Disulfide
Concen: 20.840 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 76 Resp: 584095
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

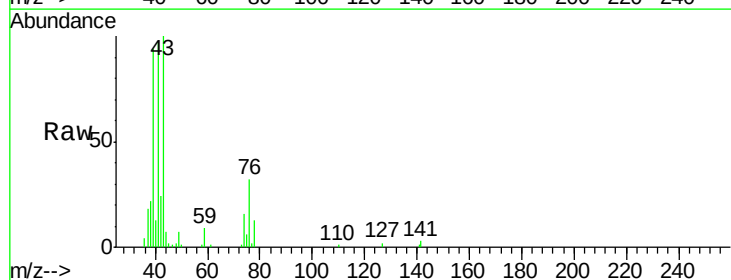


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

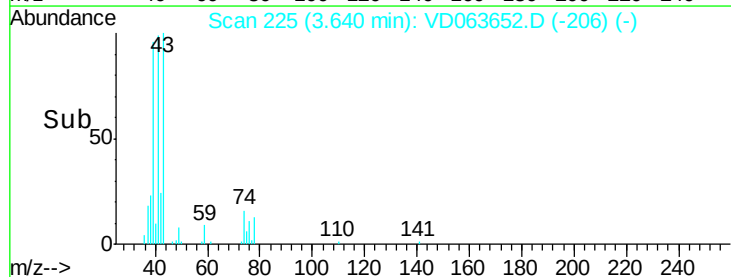
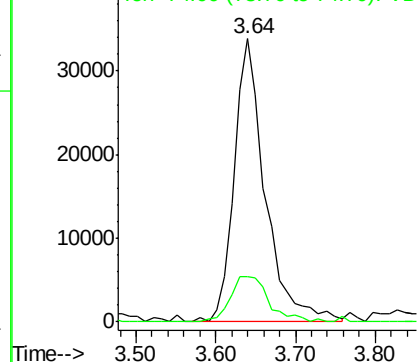


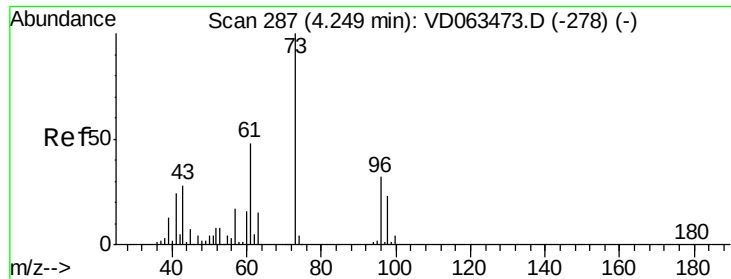
#18
Methyl Acetate
Concen: 20.296 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 43 Resp: 91808
Ion Ratio Lower Upper
43 100
74 16.1 15.4 23.2



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

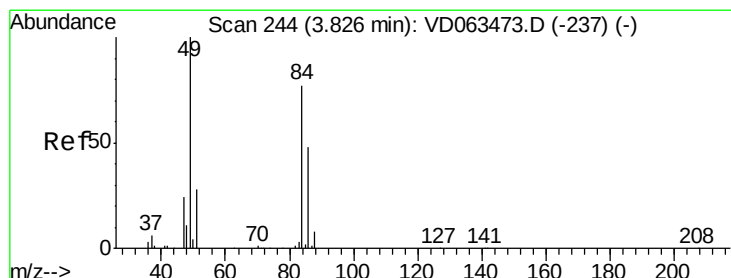
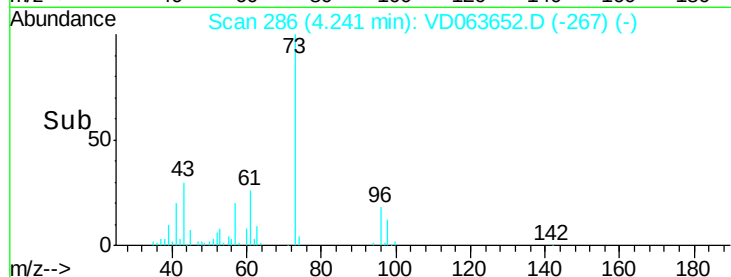
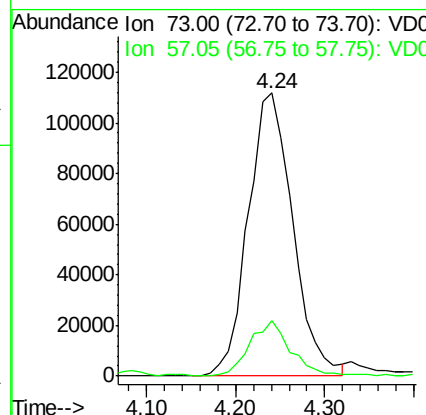
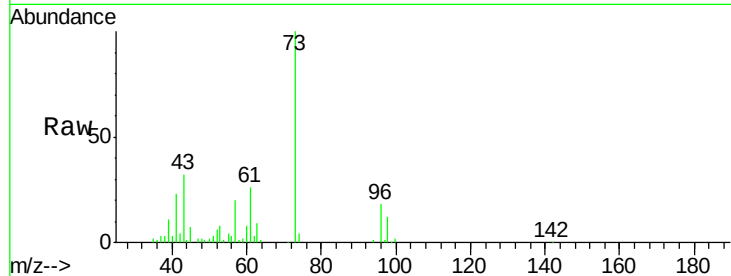




#19
Methyl tert-butyl Ether
Concen: 21.803 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

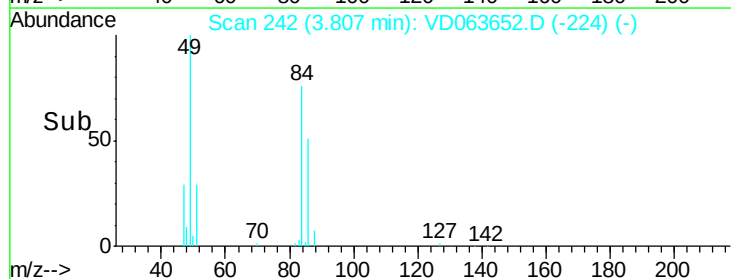
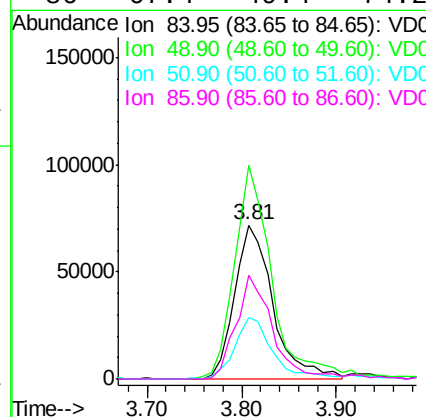
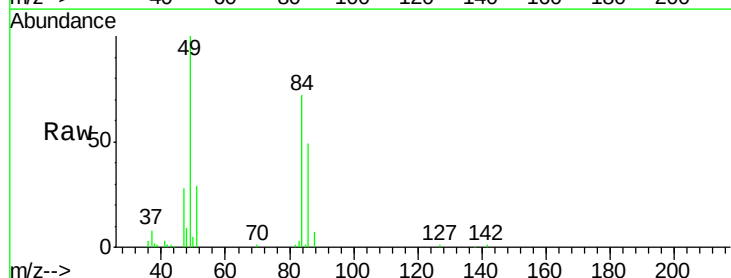
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

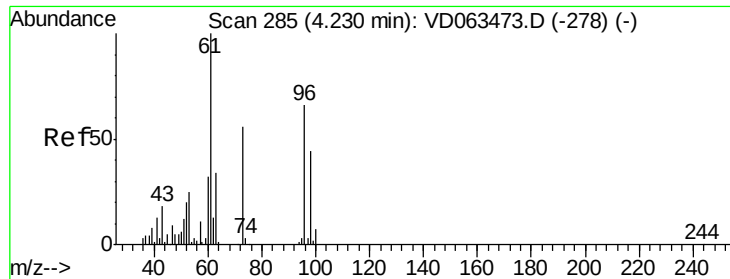
Tot Ion: 73 Resp: 387234
Ion Ratio Lower Upper
73 100
57 19.7 14.0 21.0



#20
Methylene Chloride
Concen: 19.542 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 84 Resp: 201796
Ion Ratio Lower Upper
84 100
49 138.5 103.4 155.2
51 40.1 28.5 42.7
86 67.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.684 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

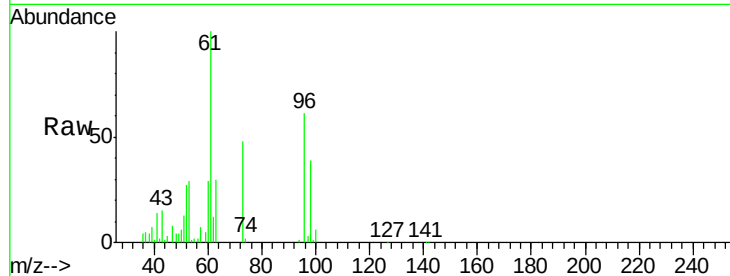
Tot Ion: 96 Resp: 202640

Ion Ratio Lower Upper

96 100

61 164.0 121.7 182.5

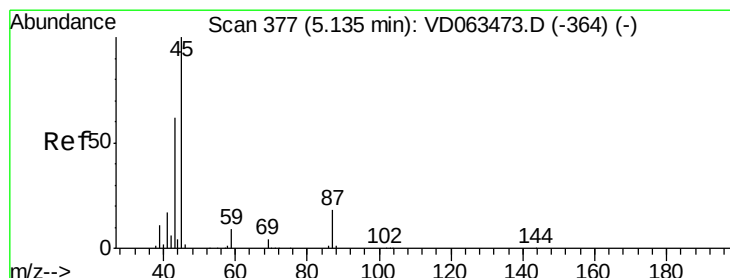
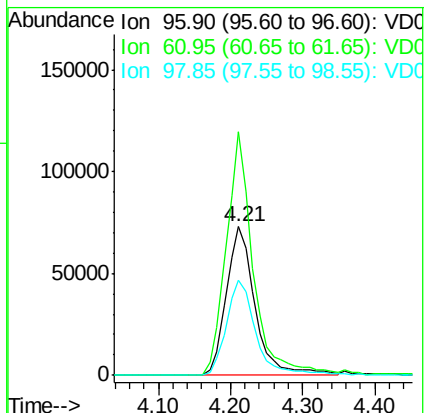
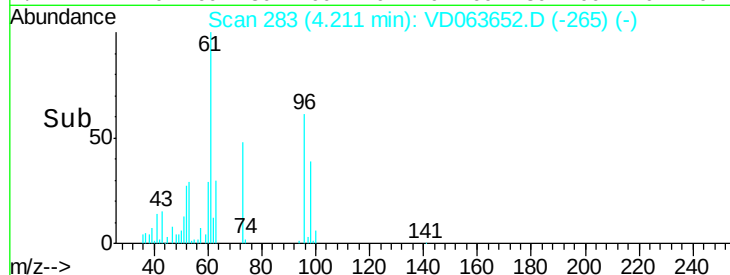
98 63.8 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.004 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Tgt Ion: 45 Resp: 578624

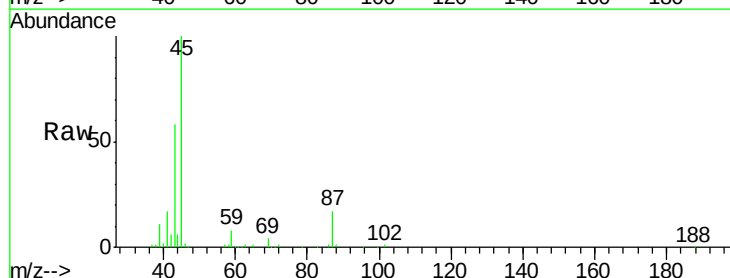
Ion Ratio Lower Upper

45 100

43 57.7 50.3 75.5

87 17.1 14.3 21.5

59 7.7 7.7 11.5

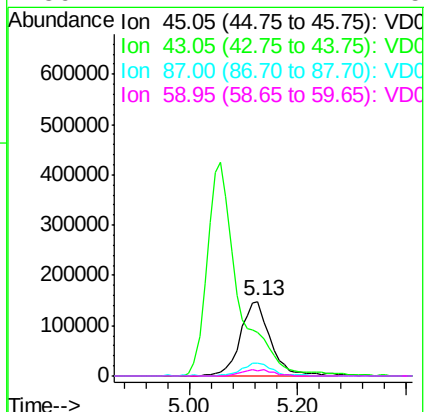
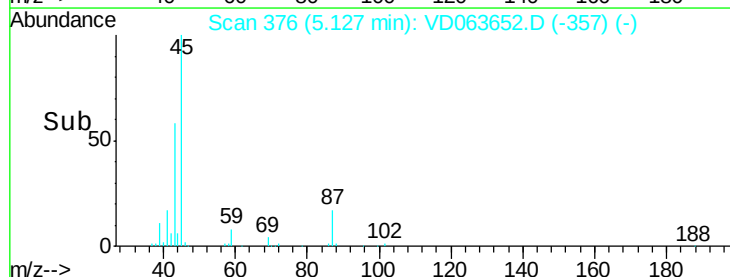


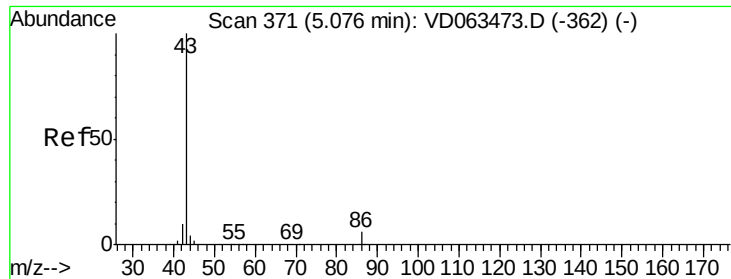
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

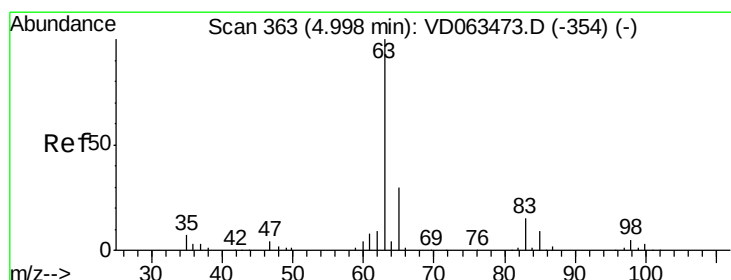
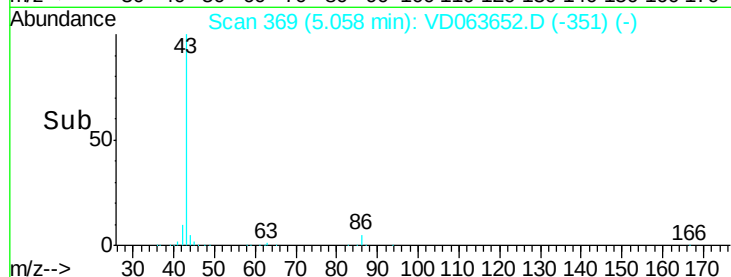
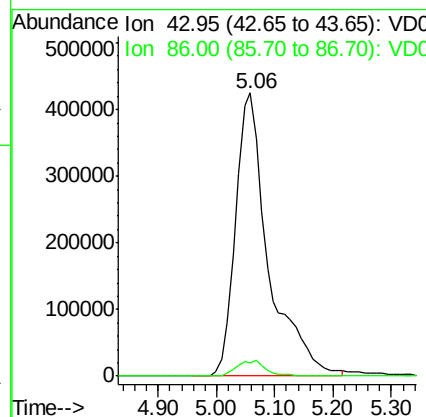
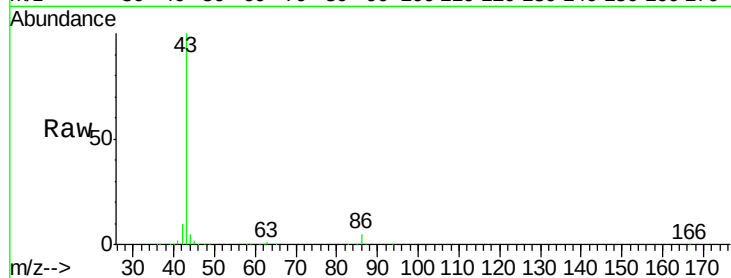




#23
 Vinyl Acetate
 Concen: 104.447 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

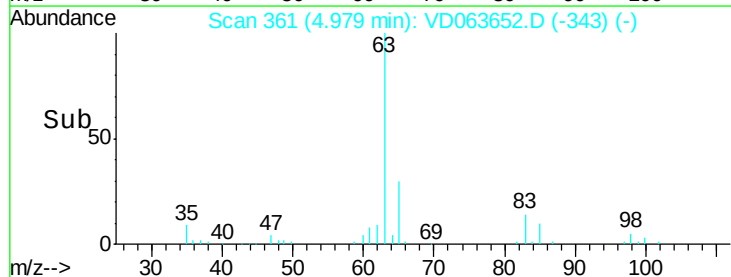
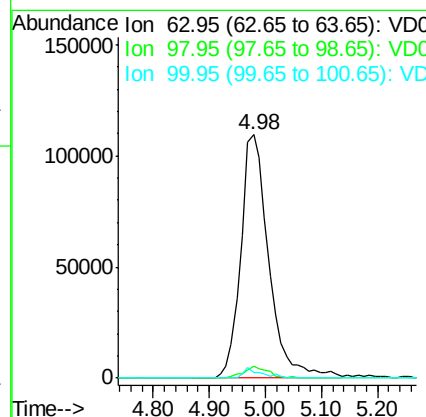
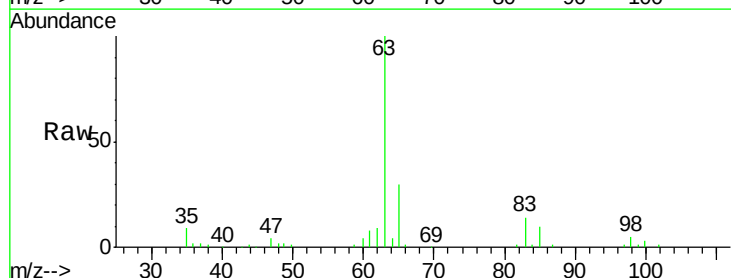
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

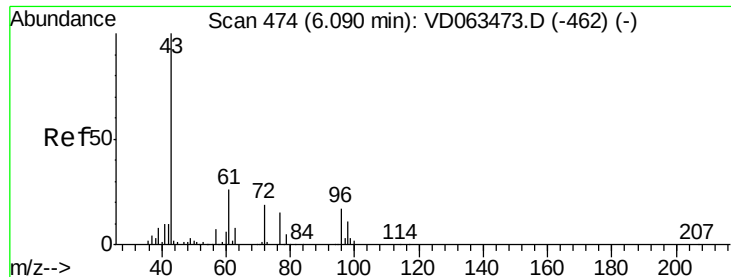
Tot Ion: 43 Resp: 1672764
 Ion Ratio Lower Upper
 43 100
 86 4.8 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 22.234 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion: 63 Resp: 379899
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.4 7.2
 100 2.5 1.3 3.8





#25

2-Butanone

Concen: 102.972 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

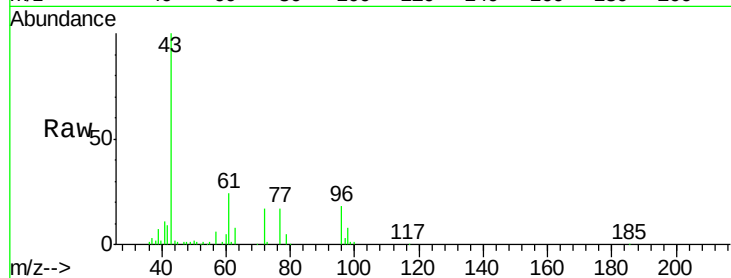
VD0819SBS01

Tot Ion: 43 Resp: 242868

Ion Ratio Lower Upper

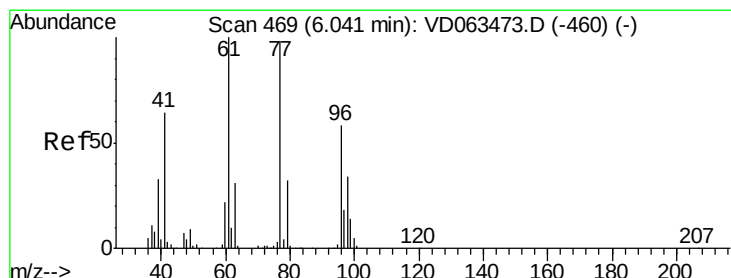
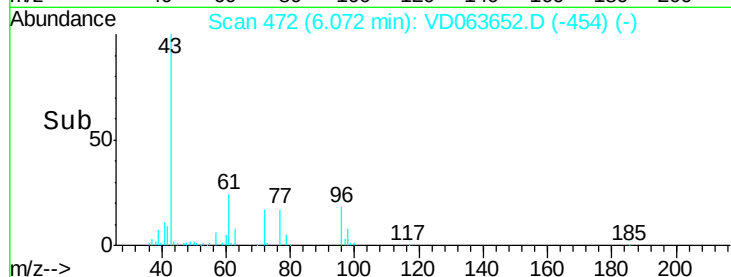
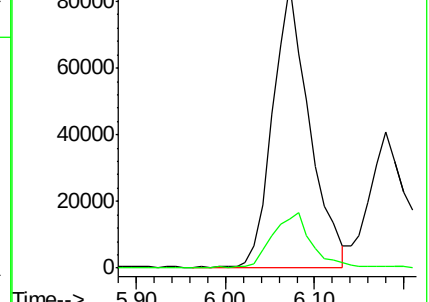
43 100

72 17.2 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: 21.606 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063652.D

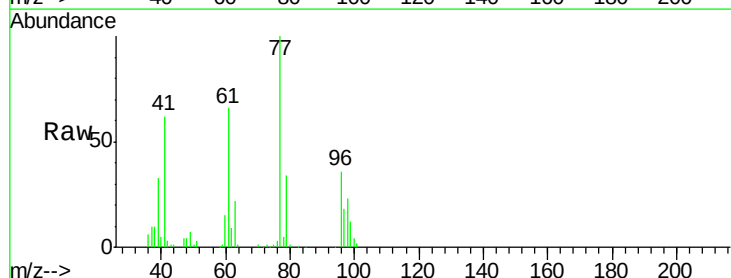
Acq: 19 Aug 2019 12:47

Tgt Ion: 77 Resp: 367714

Ion Ratio Lower Upper

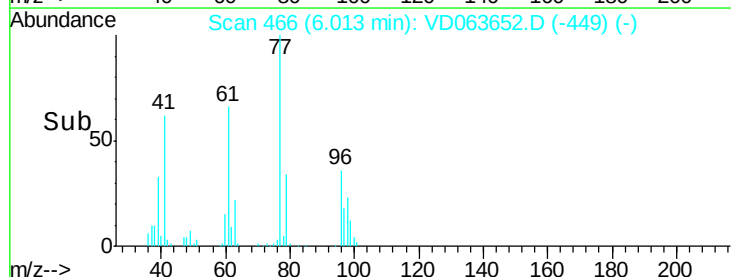
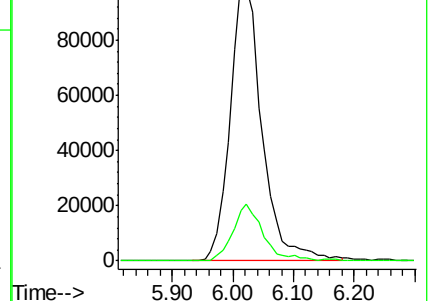
77 100

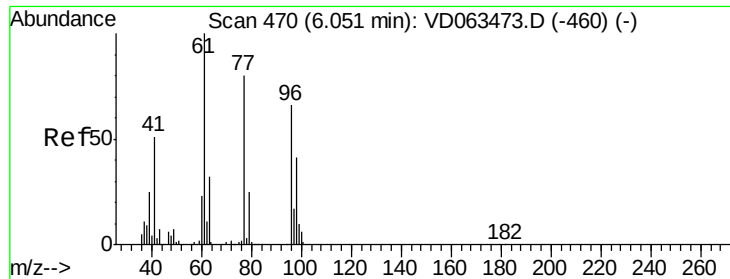
97 17.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



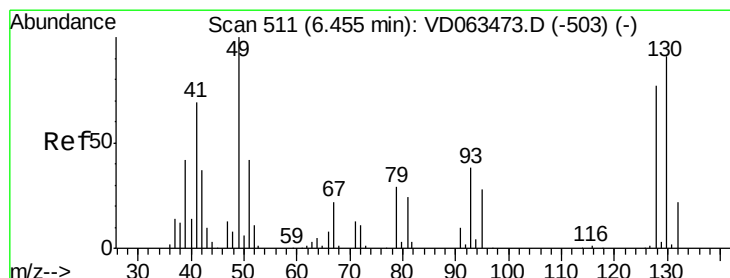
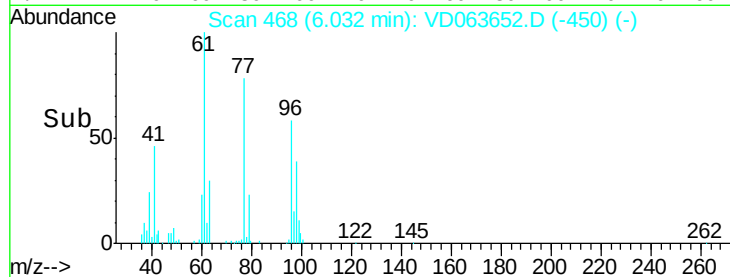
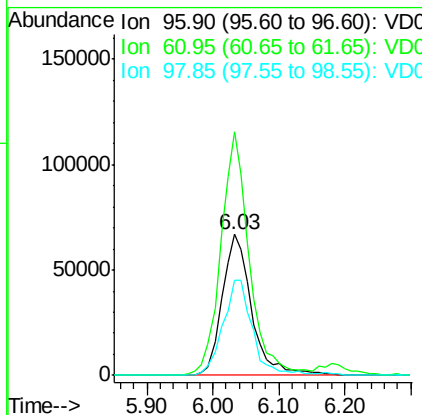
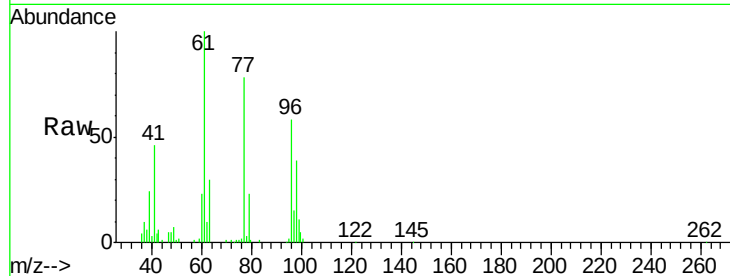


#27

cis-1,2-Dichloroethene
Concen: 20.389 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

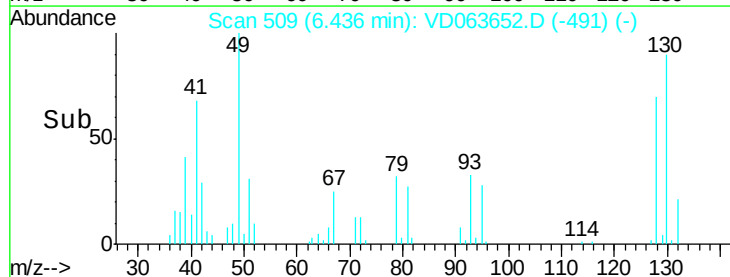
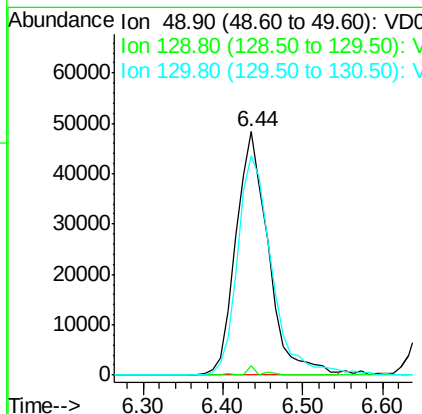
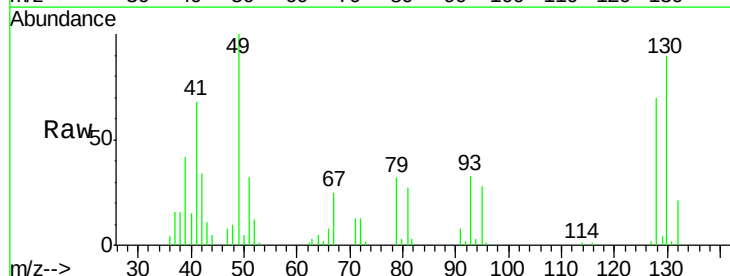
Tot Ion	96	Resp	208468
Ion	Ratio	Lower	Upper
96	100		
61	173.1	0.0	304.0
98	68.0	0.0	124.8

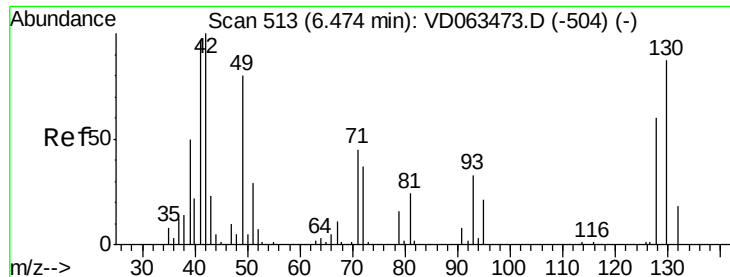


#28

Bromochloromethane
Concen: 19.751 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion	49	Resp	136776
Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	6.4
130	90.1	72.4	108.6





#29

Tetrahydrofuran

Concen: 104.502 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

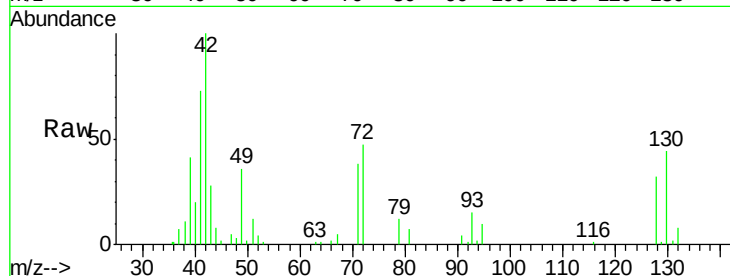
Tot Ion: 42 Resp: 114852

Ion Ratio Lower Upper

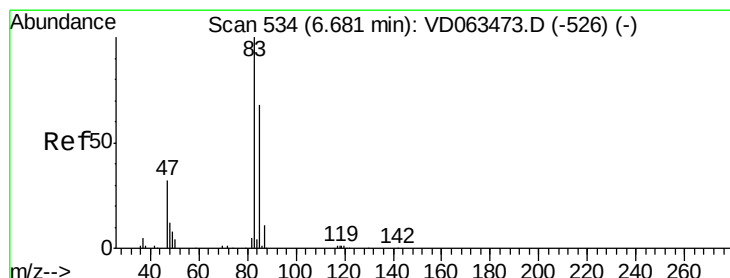
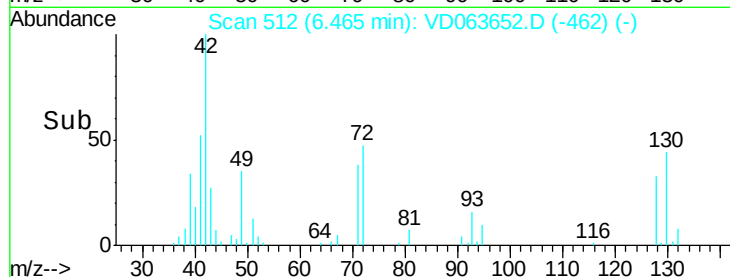
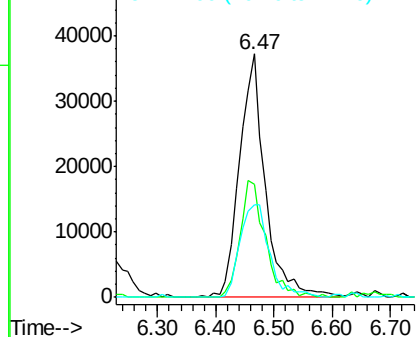
42 100

72 47.2 31.5 47.3

71 43.6 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: 21.048 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD063652.D

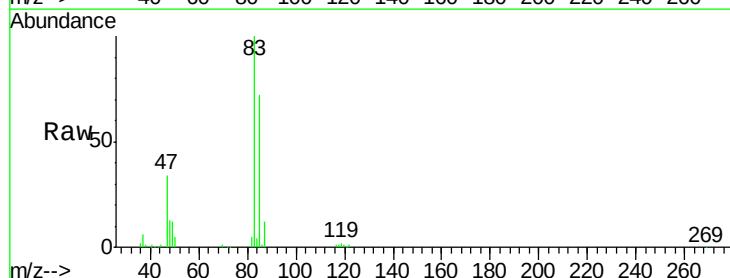
Acq: 19 Aug 2019 12:47

Tgt Ion: 83 Resp: 447015

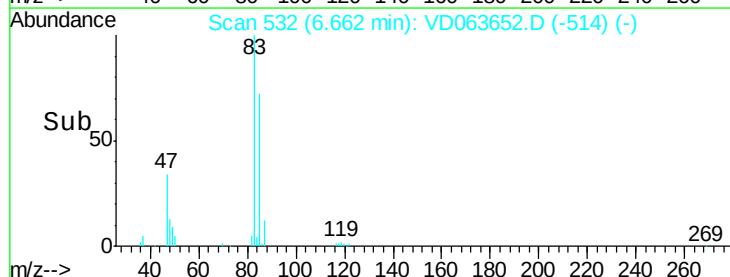
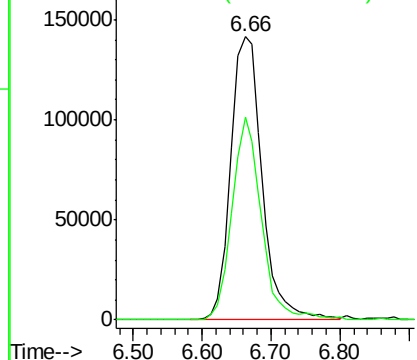
Ion Ratio Lower Upper

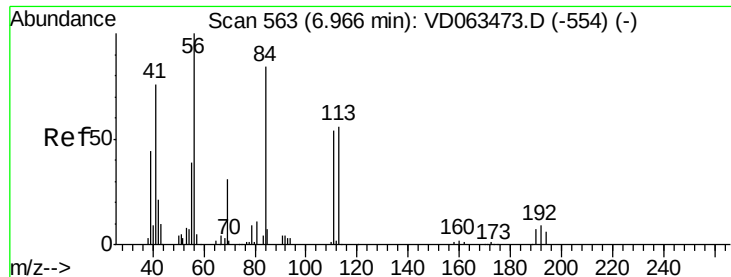
83 100

85 71.8 54.8 82.2



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

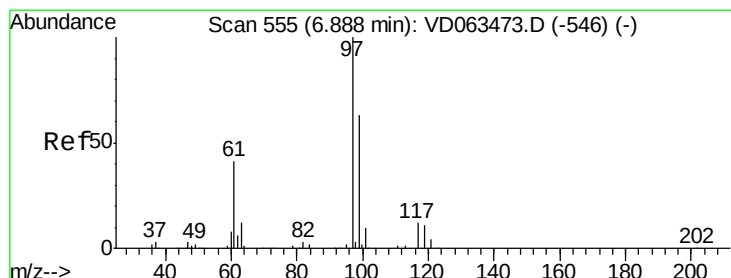
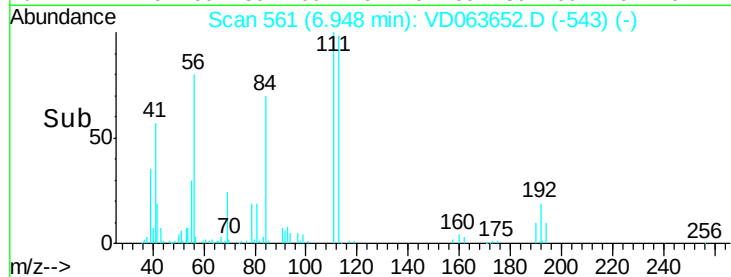
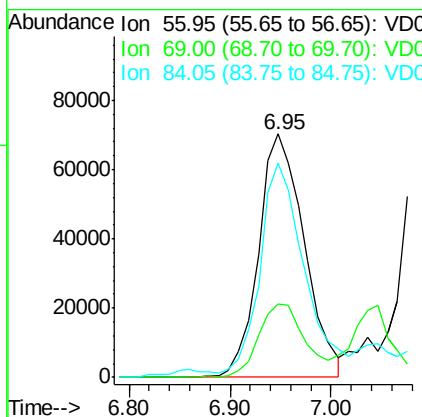
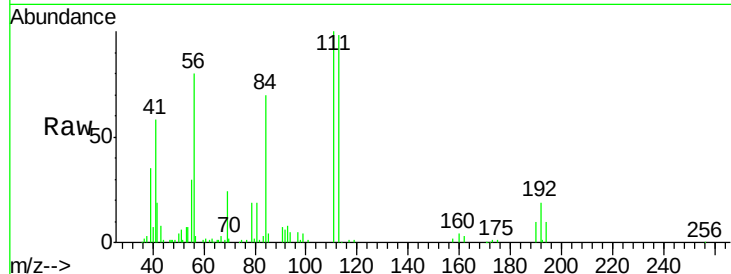




#31
Cyclohexane
Concen: 20.858 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

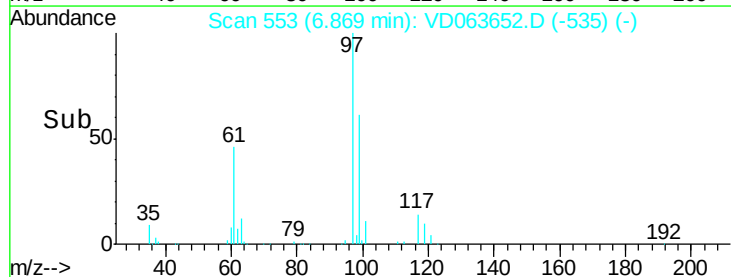
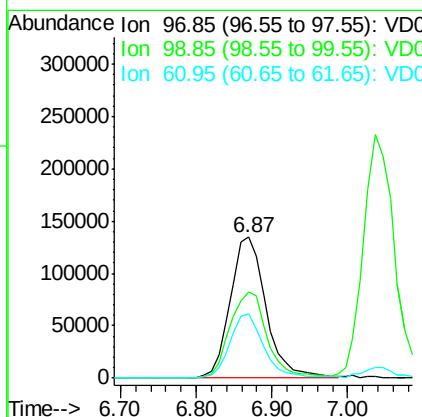
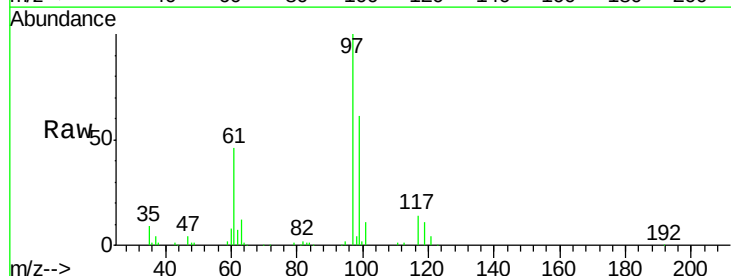
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

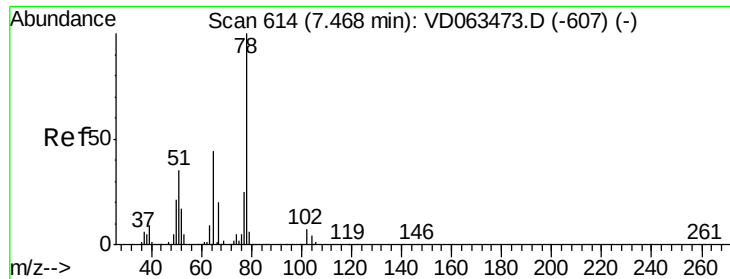
Tot Ion: 56 Resp: 221253
Ion Ratio Lower Upper
56 100
69 30.0 25.0 37.6
84 87.8 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.619 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 97 Resp: 439216
Ion Ratio Lower Upper
97 100
99 61.0 50.2 75.4
61 45.8 33.1 49.7

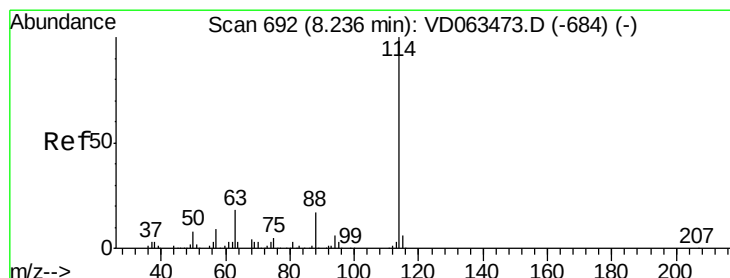
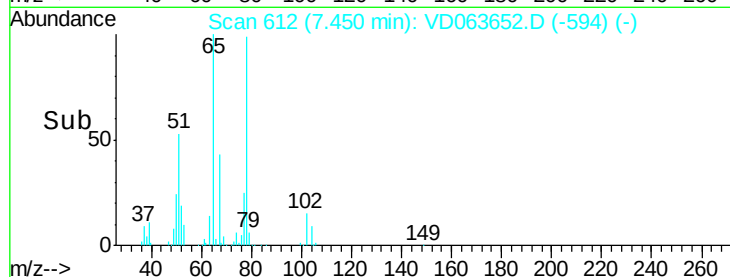
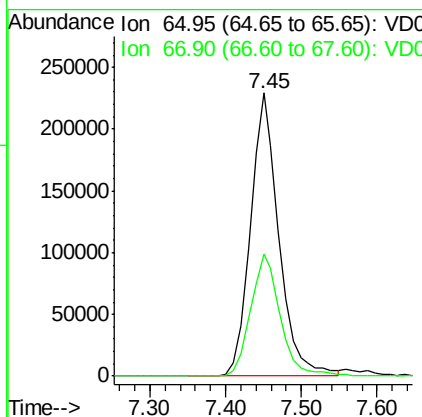
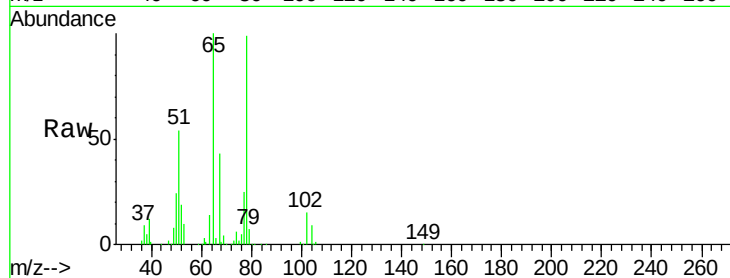




#33
 1,2-Dichloroethane-d4
 Concen: 50.760 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

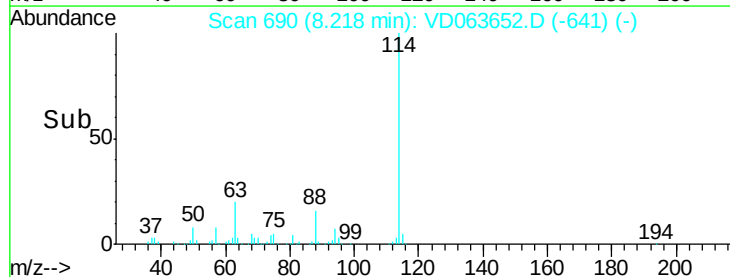
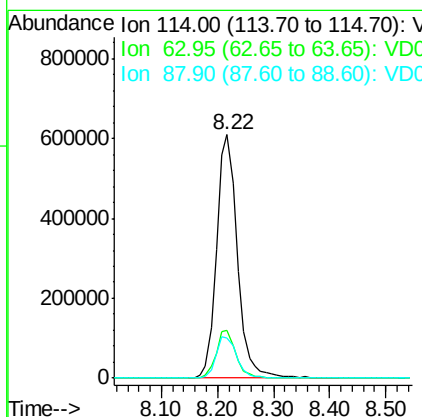
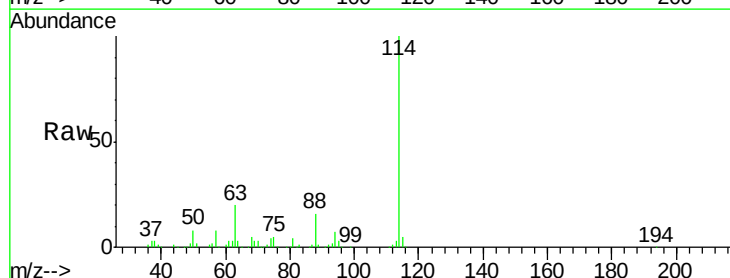
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

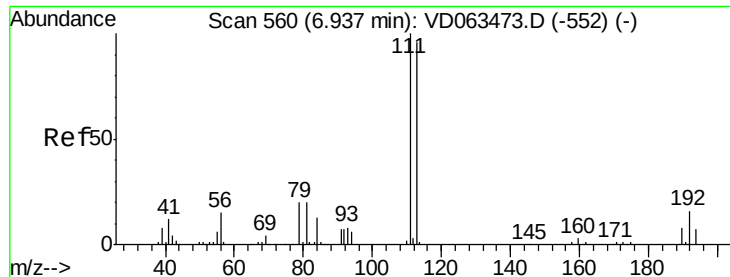
Tot Ion: 65 Resp: 596321
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion: 114 Resp: 1579293
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 16.3 0.0 35.0





#35

Dibromofluoromethane

Concen: 48.527 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

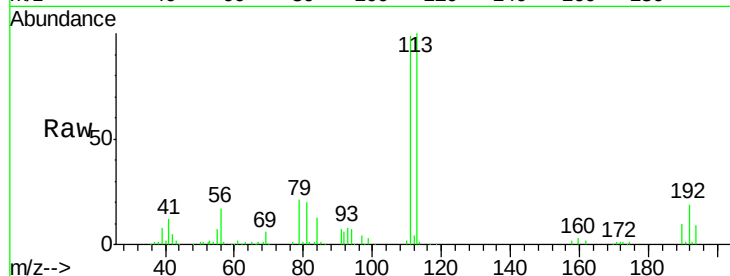
Tot Ion:113 Resp: 645448

Ion Ratio Lower Upper

113 100

111 98.8 83.1 124.7

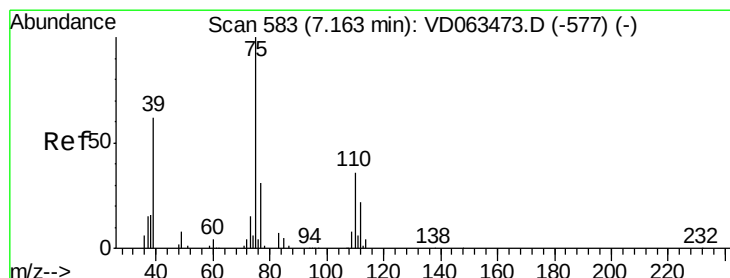
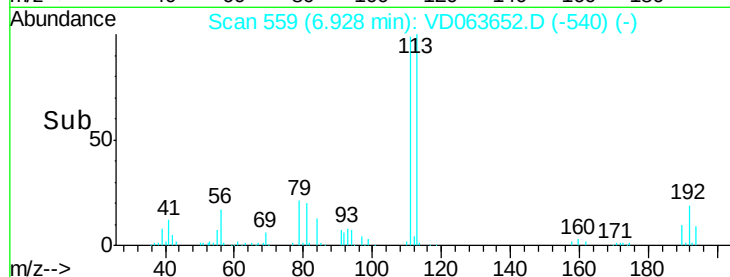
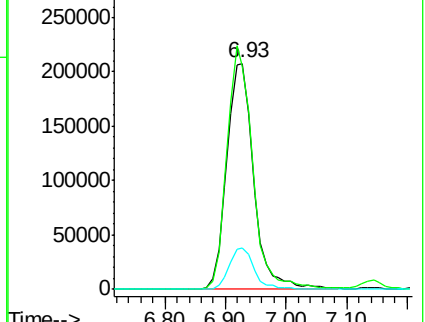
192 18.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.702 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

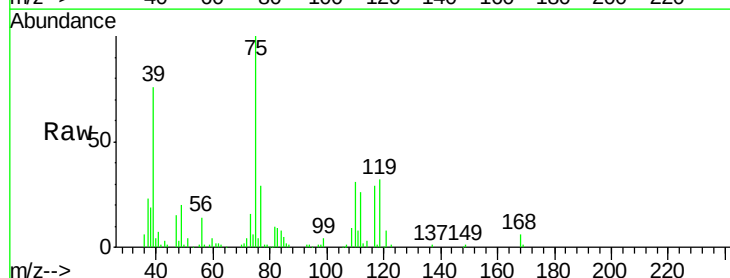
Tgt Ion: 75 Resp: 289029

Ion Ratio Lower Upper

75 100

110 31.4 17.6 52.8

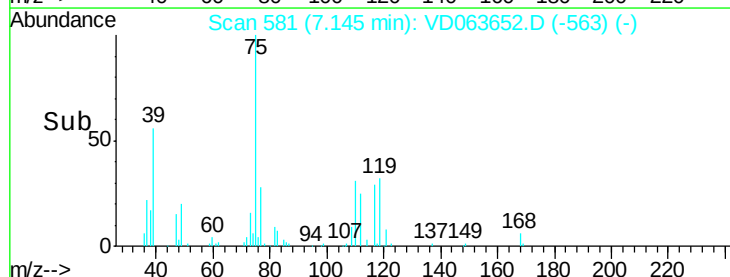
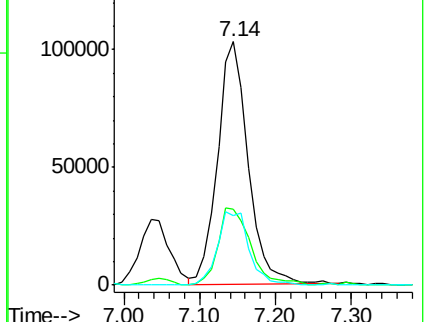
77 28.6 24.3 36.5

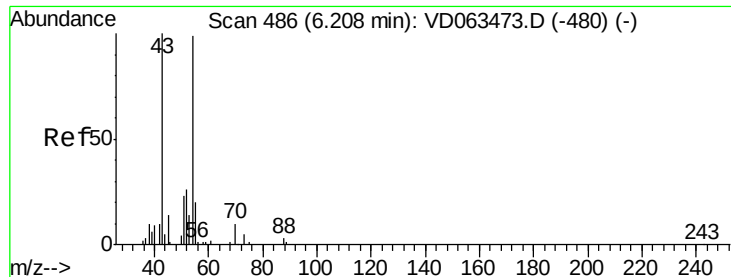


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

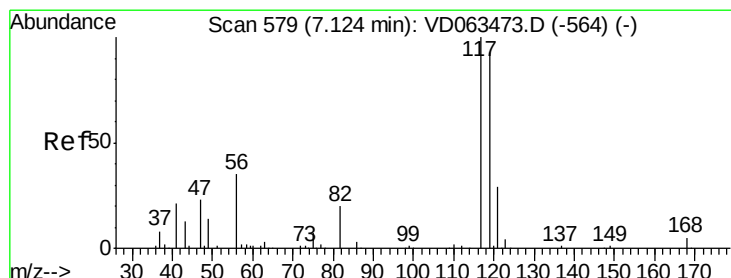
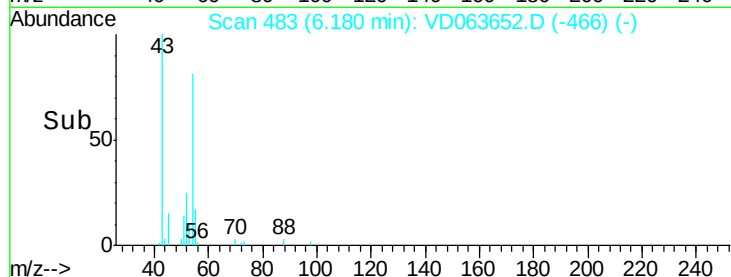
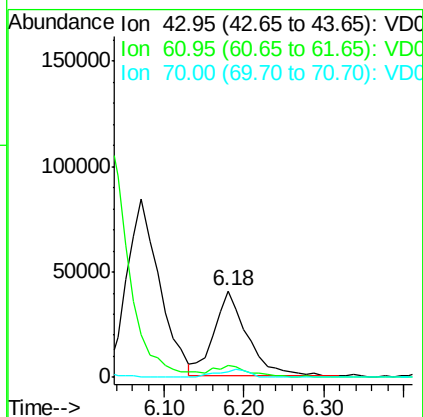
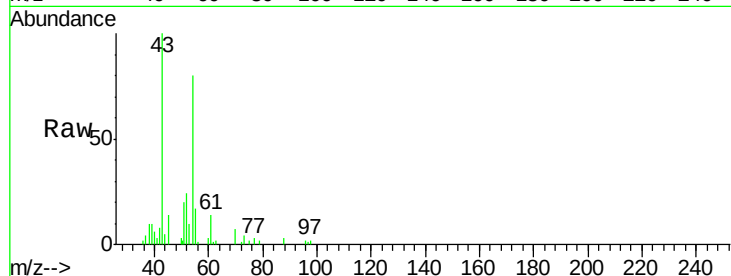




#37
Ethyl Acetate
Concen: 20.576 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

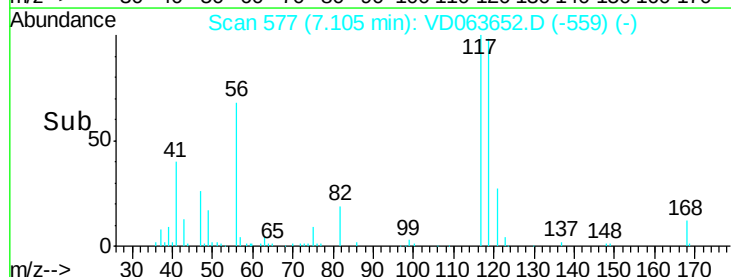
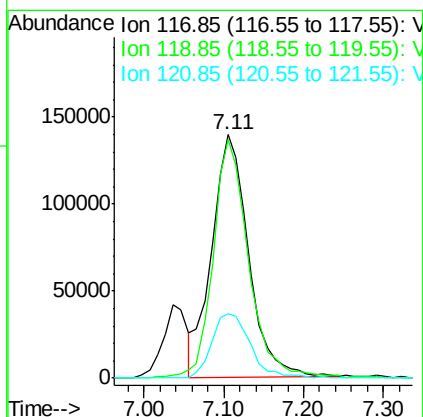
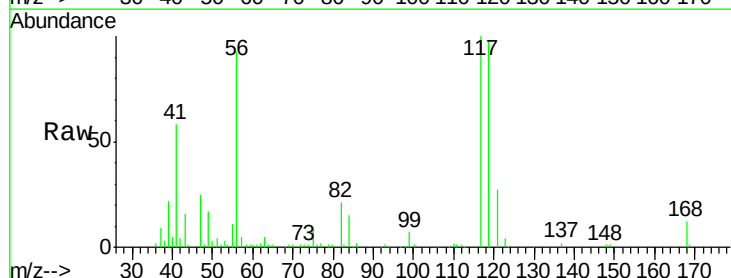
Instrument :
MSVOA_D
ClientSampleID :
VD0819SBS01

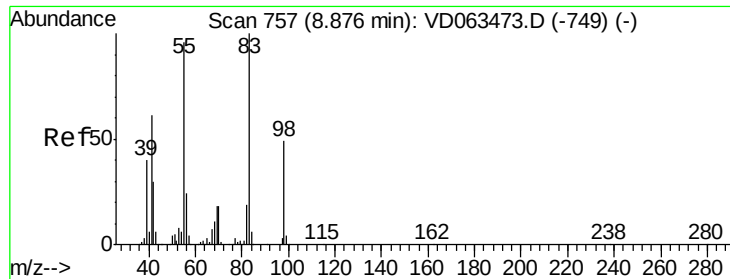
Tot Ion: 43 Resp: 120376
Ion Ratio Lower Upper
43 100
61 13.6 9.0 13.6#
70 6.5 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 21.555 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 117 Resp: 453547
Ion Ratio Lower Upper
117 100
119 97.9 74.2 111.2
121 26.7 23.1 34.7

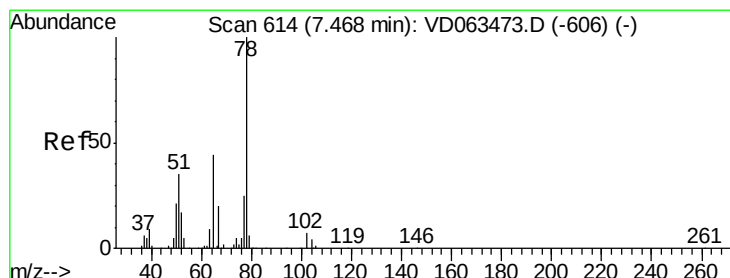
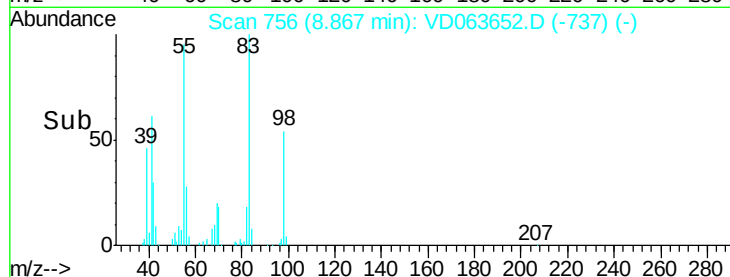
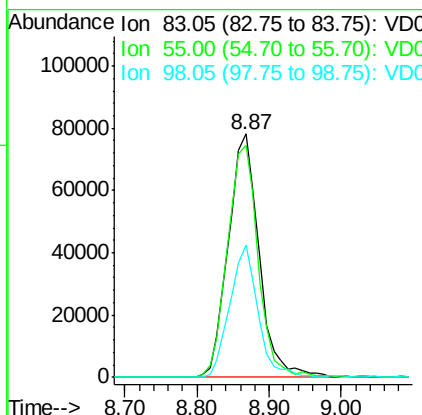
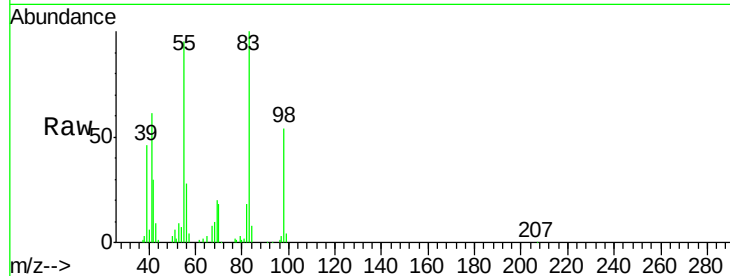




#39
Methylvlcyclohexane
Concen: 19.637 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

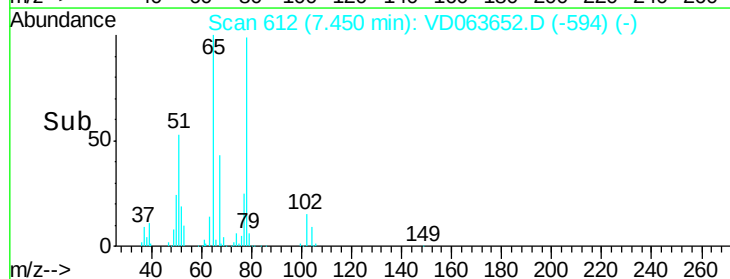
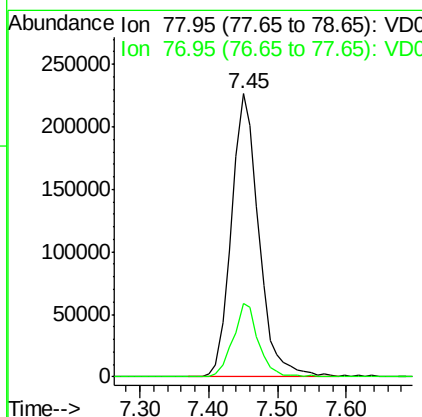
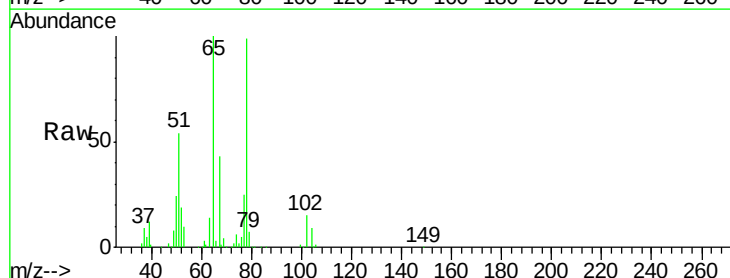
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

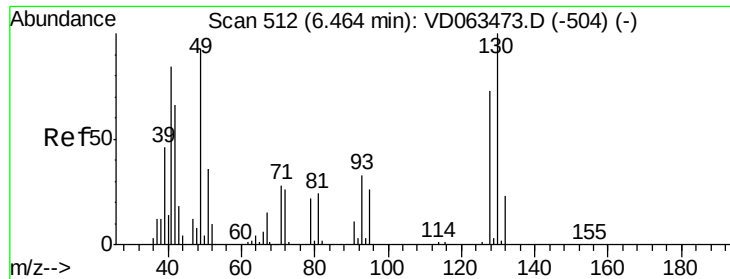
Tot Ion: 83 Resp: 233129
Ion Ratio Lower Upper
83 100
55 95.5 76.6 114.8
98 54.2 39.4 59.0



#40
Benzene
Concen: 20.353 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 78 Resp: 625333
Ion Ratio Lower Upper
78 100
77 25.7 20.1 30.1





#41

Methacrylonitrile

Concen: 21.002 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 41 Resp: 154703

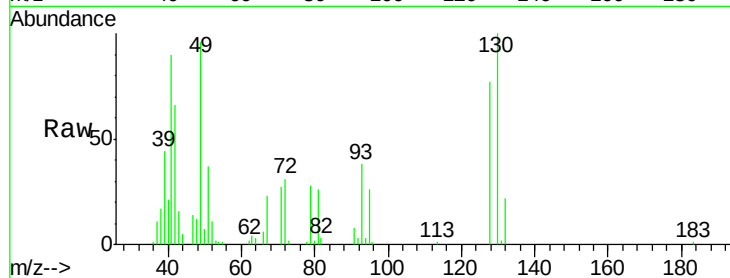
Ion Ratio Lower Upper

41 100

39 48.9 44.6 66.8

67 25.2 14.4 21.6#

52 12.1 9.3 13.9

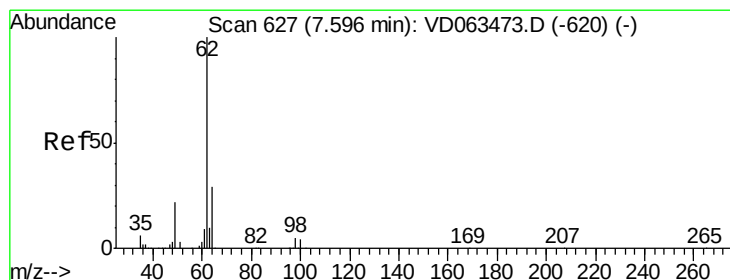
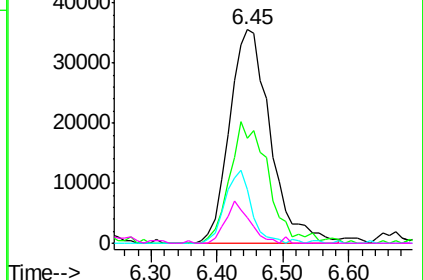
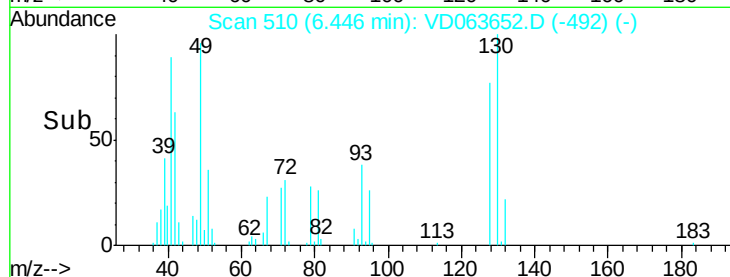


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.339 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD063652.D

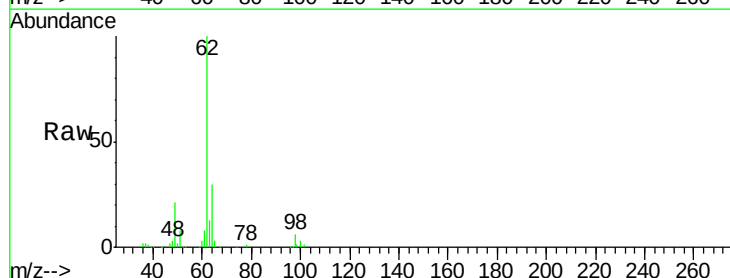
Acq: 19 Aug 2019 12:47

Tgt Ion: 62 Resp: 329668

Ion Ratio Lower Upper

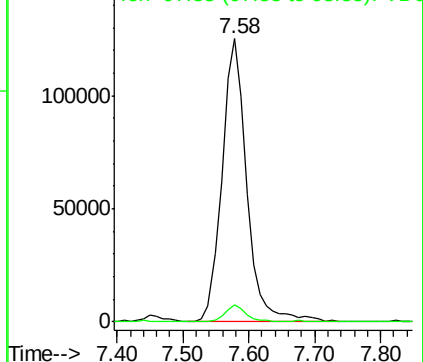
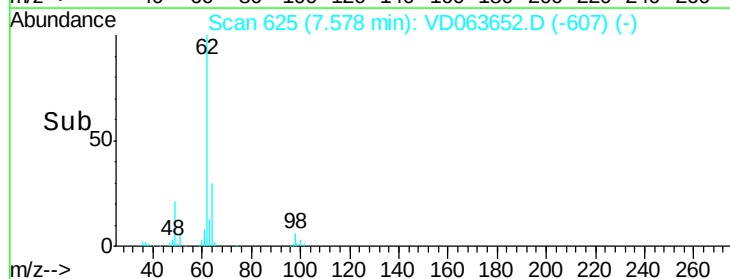
62 100

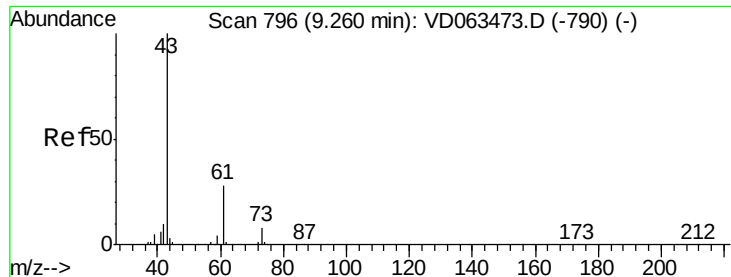
98 6.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.037 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

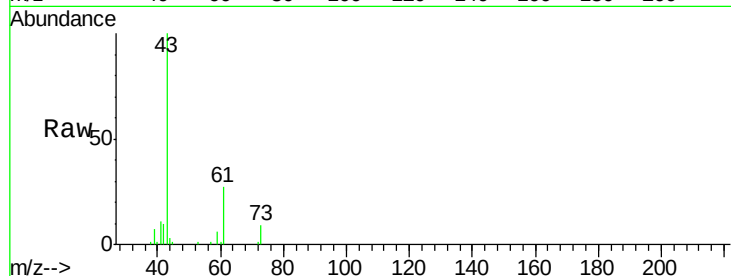
Tot Ion: 43 Resp: 164828

Ion Ratio Lower Upper

43 100

61 27.5 22.2 33.2

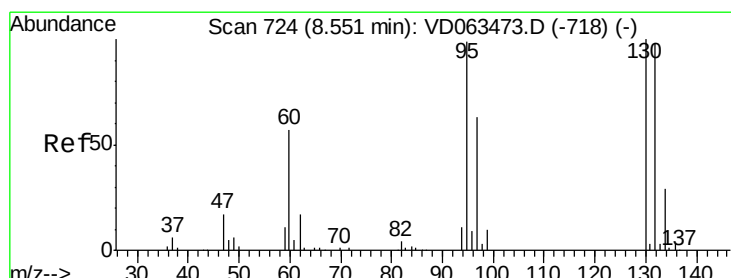
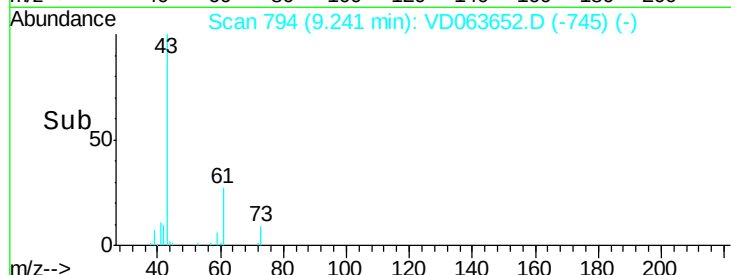
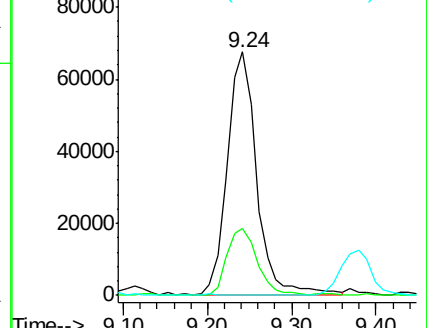
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.809 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063652.D

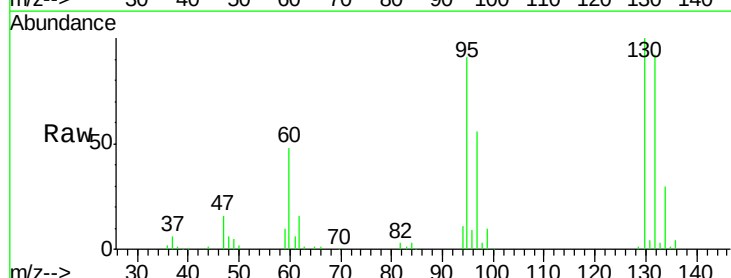
Acq: 19 Aug 2019 12:47

Tgt Ion: 130 Resp: 244365

Ion Ratio Lower Upper

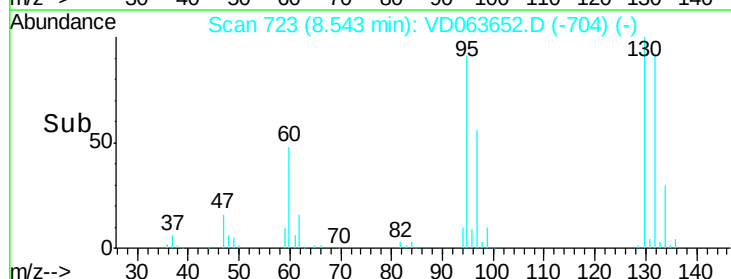
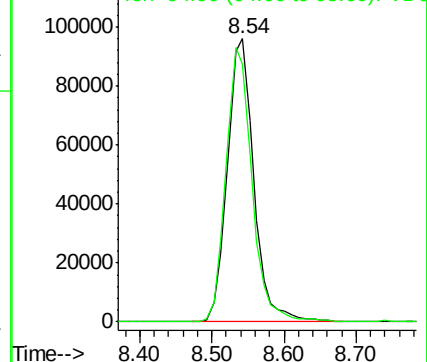
130 100

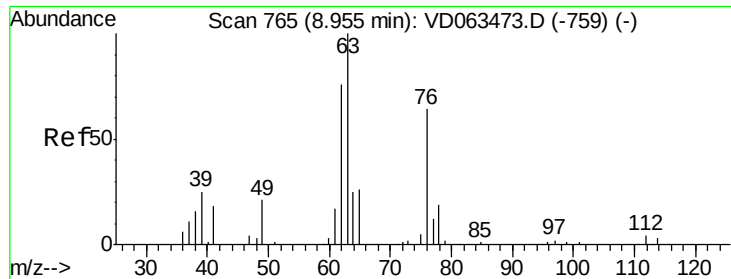
95 91.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.831 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

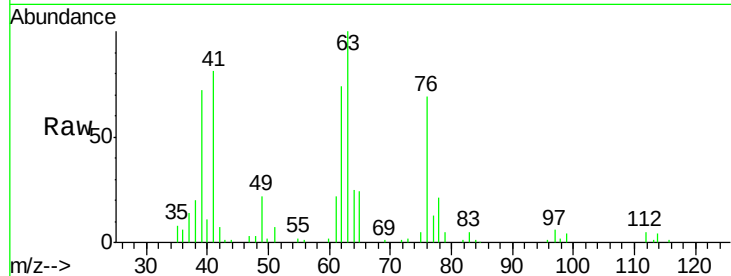
VD0819SBS01

Tot Ion: 63 Resp: 156201

Ion Ratio Lower Upper

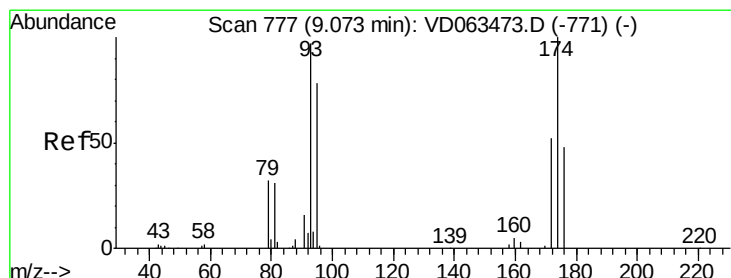
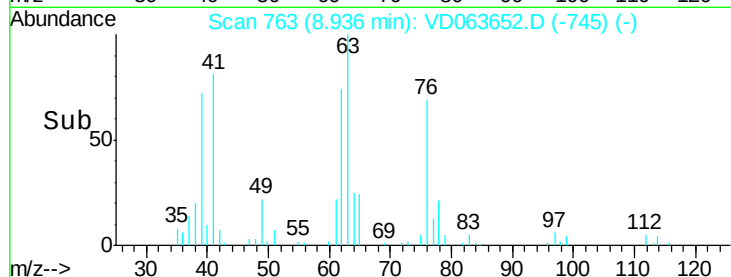
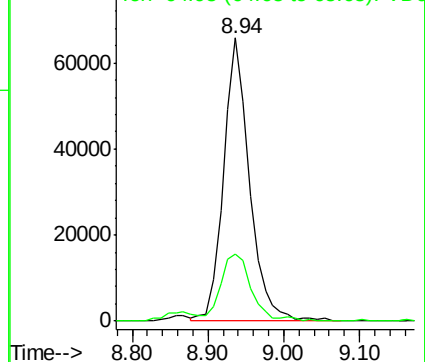
63 100

65 23.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.725 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

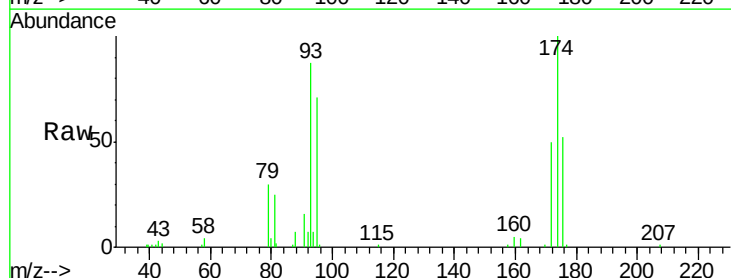
Tgt Ion: 93 Resp: 120521

Ion Ratio Lower Upper

93 100

95 81.9 64.2 96.2

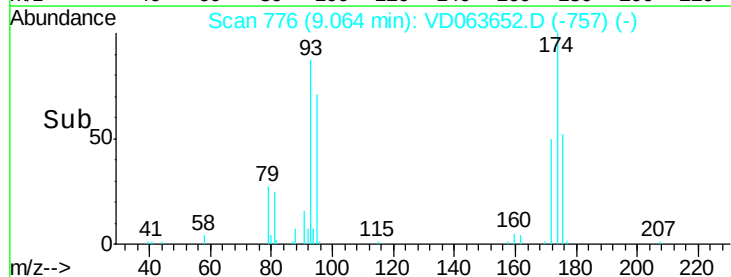
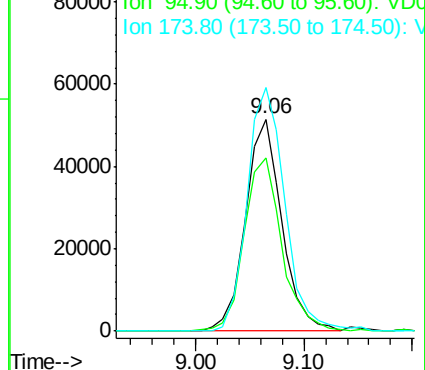
174 114.9 82.1 123.1

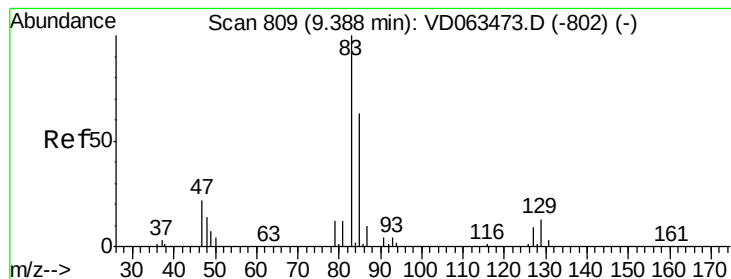


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.659 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

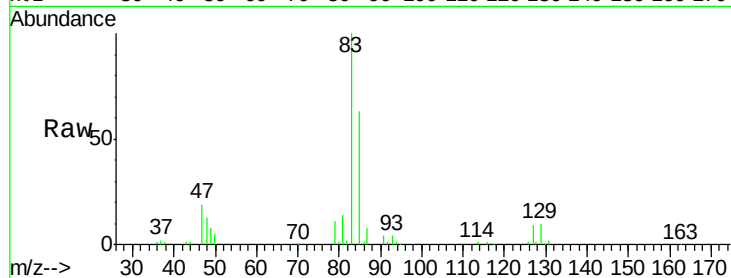
Tot Ion: 83 Resp: 323796

Ion Ratio Lower Upper

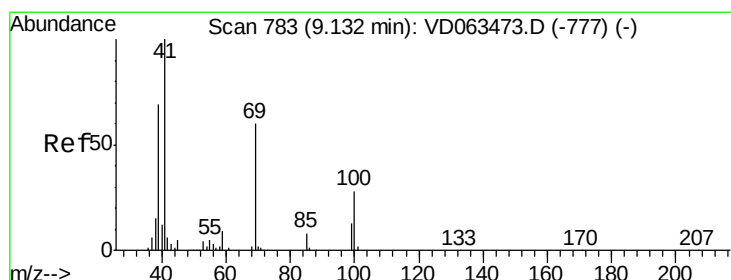
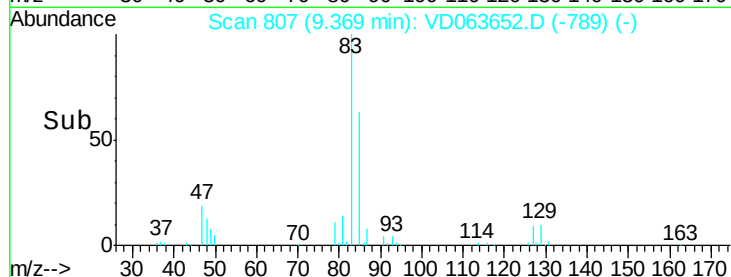
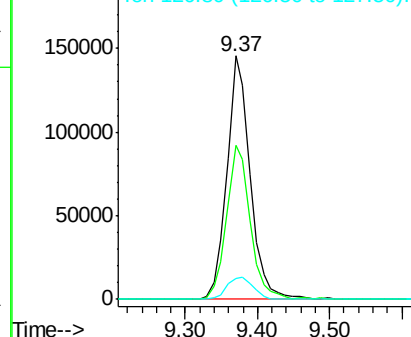
83 100

85 63.0 50.1 75.1

127 8.7 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: 19.246 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

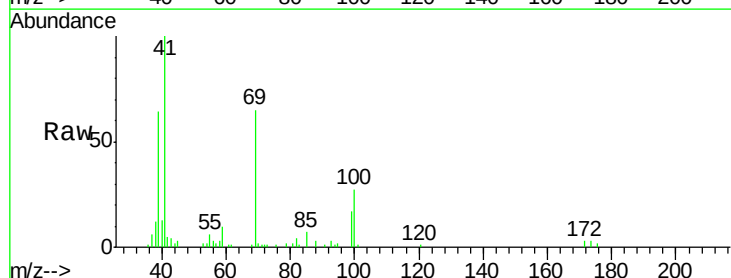
Tgt Ion: 41 Resp: 102266

Ion Ratio Lower Upper

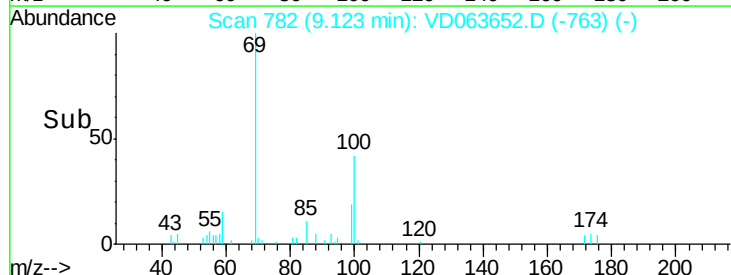
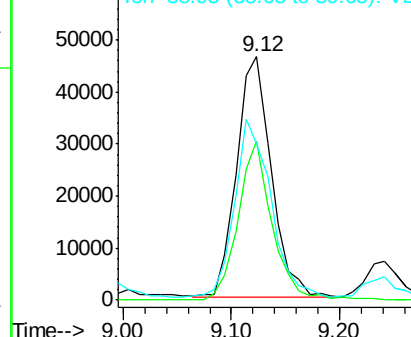
41 100

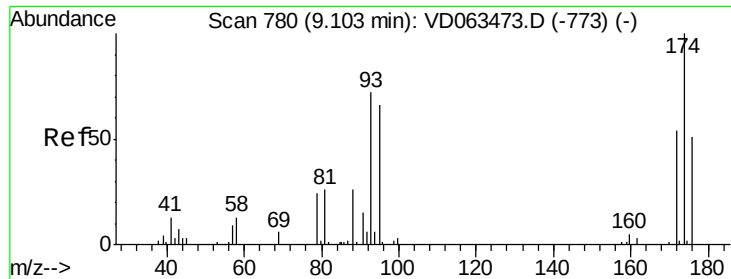
69 65.2 47.6 71.4

39 64.2 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

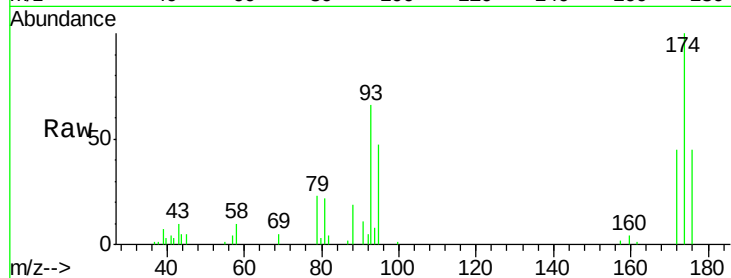




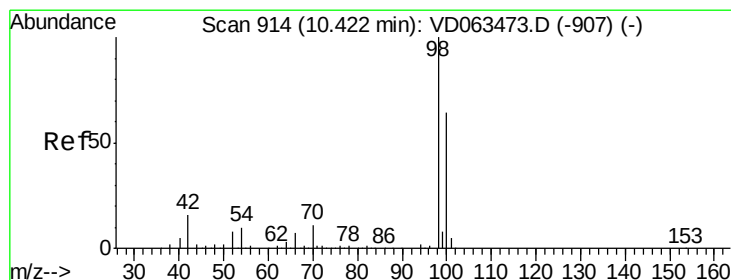
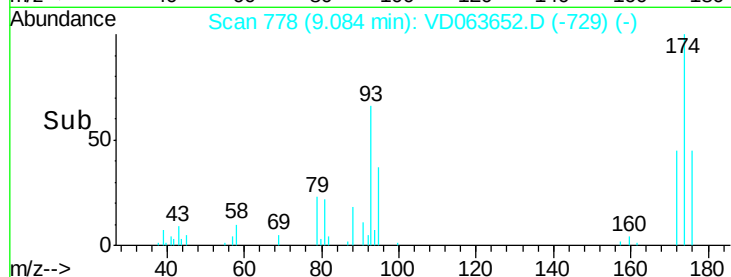
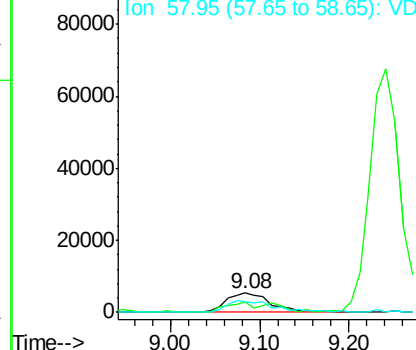
#49
 1,4-Dioxane
 Concen: 414.632 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 88 Resp: 18970
 Ion Ratio Lower Upper
 88 100
 43 53.7 22.9 34.3#
 58 54.1 40.1 60.1

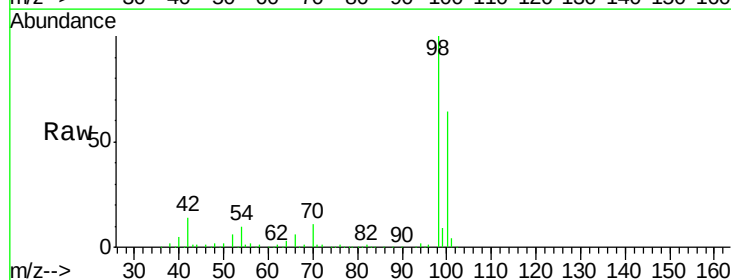


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

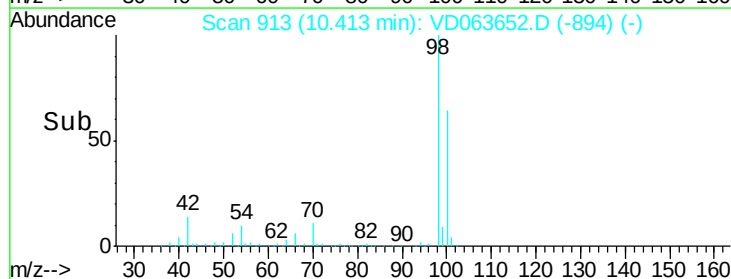
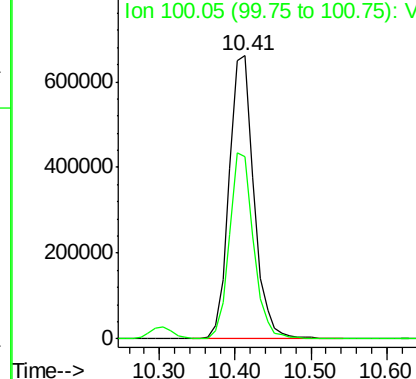


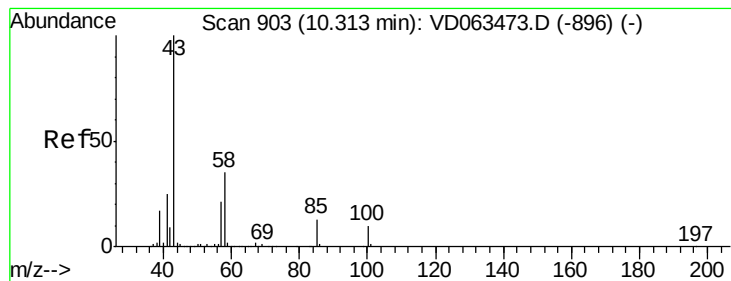
#50
 Toluene-d8
 Concen: 51.073 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion: 98 Resp: 1493520
 Ion Ratio Lower Upper
 98 100
 100 64.2 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: 106.519 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

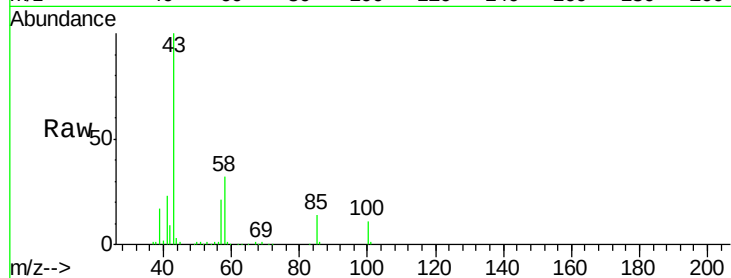
VD0819SBS01

Tot Ion: 43 Resp: 571100

Ion Ratio Lower Upper

43 100

58 32.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

250000

200000

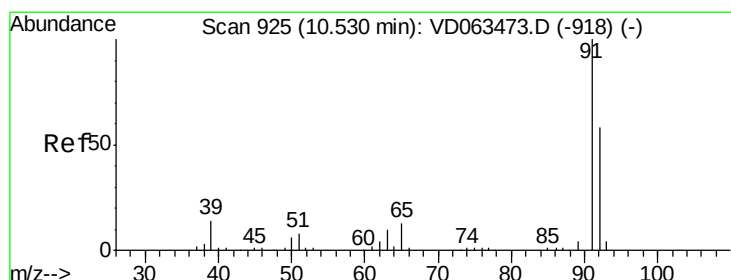
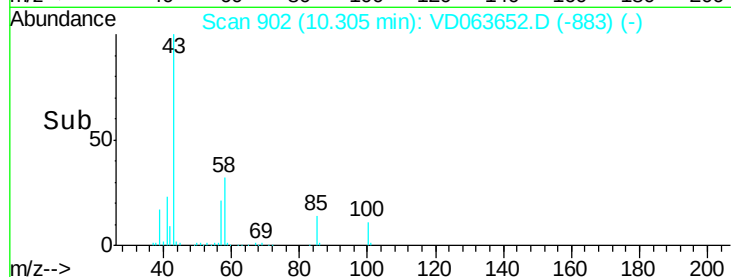
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.637 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063652.D

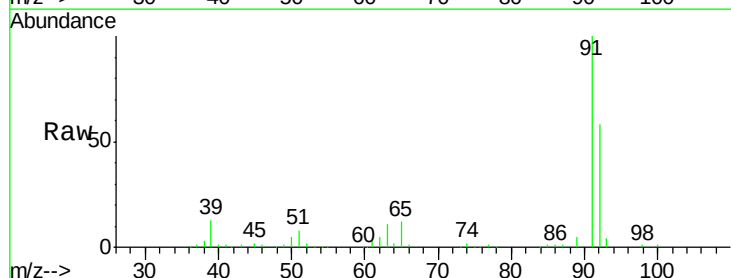
Acq: 19 Aug 2019 12:47

Tgt Ion: 92 Resp: 428170

Ion Ratio Lower Upper

92 100

91 172.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

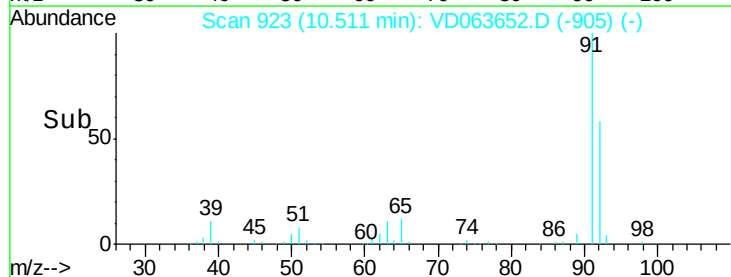
300000

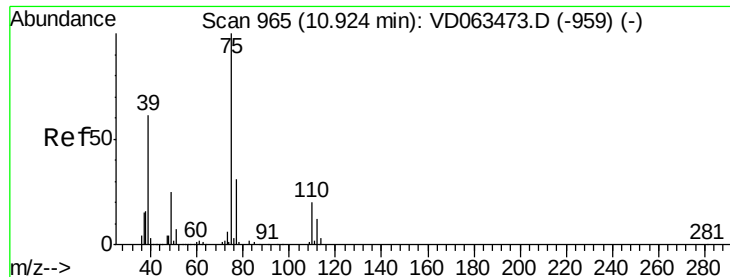
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.983 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

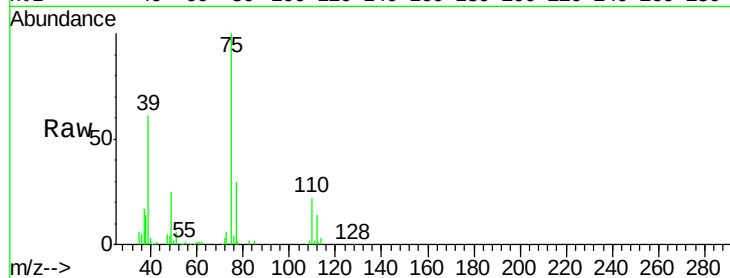
VD0819SBS01

Tot Ion: 75 Resp: 281174

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

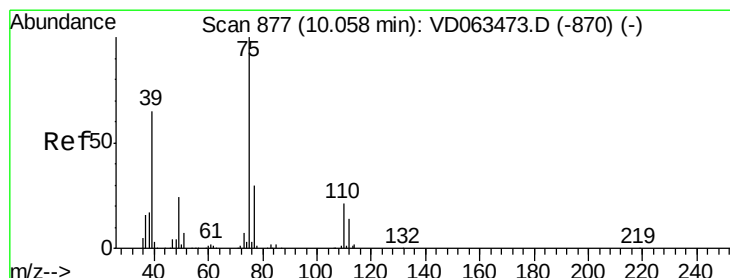
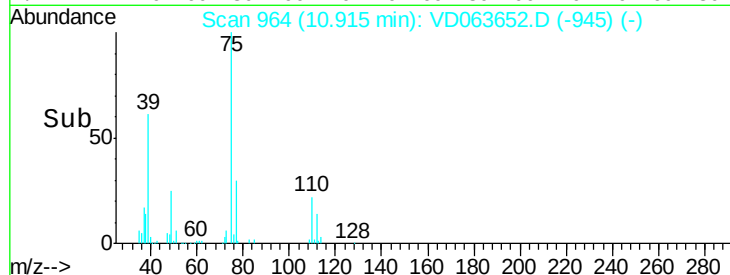
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

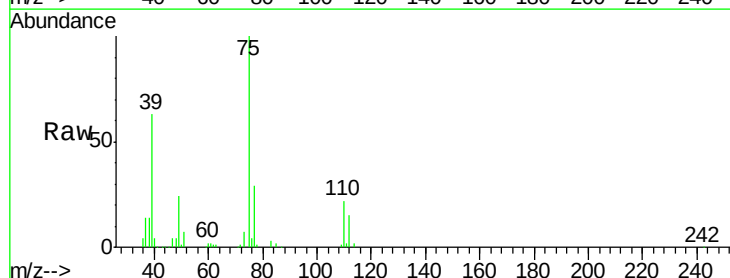
Tgt Ion: 75 Resp: 299408

Ion Ratio Lower Upper

75 100

77 28.5 23.7 35.5

39 62.8 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

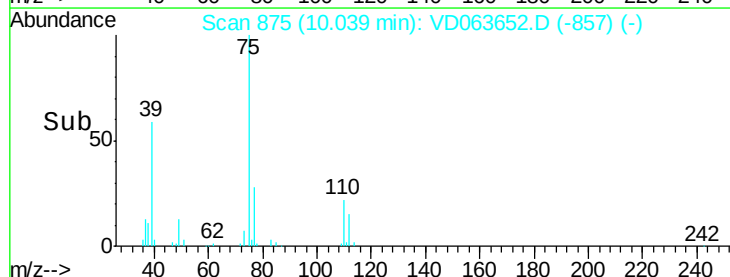
150000

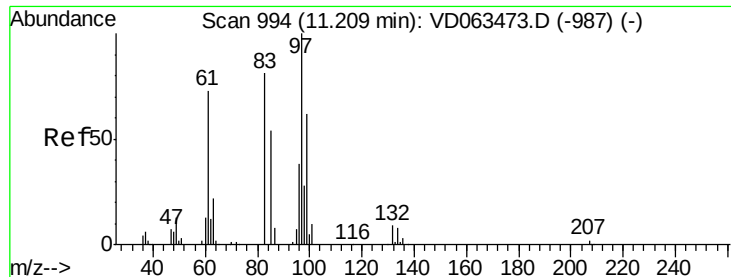
100000

50000

0

Time-->

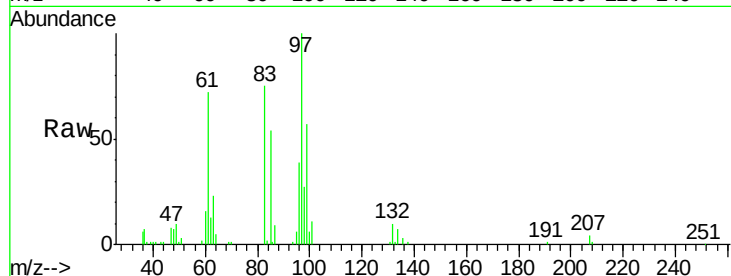




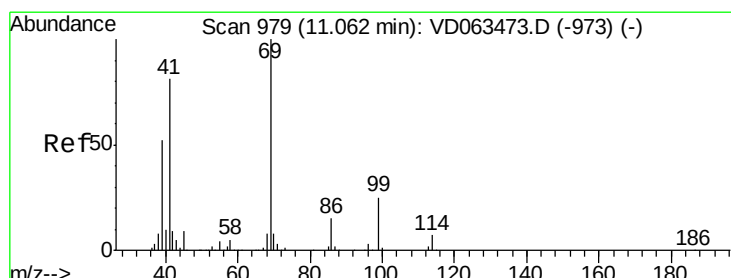
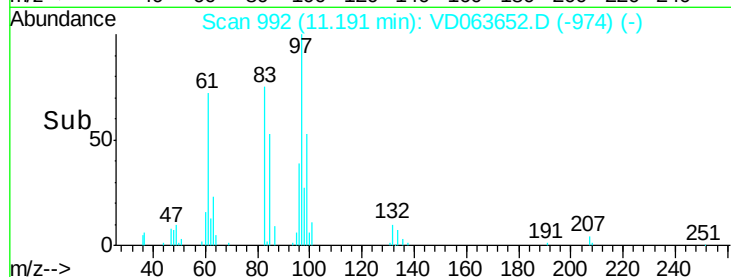
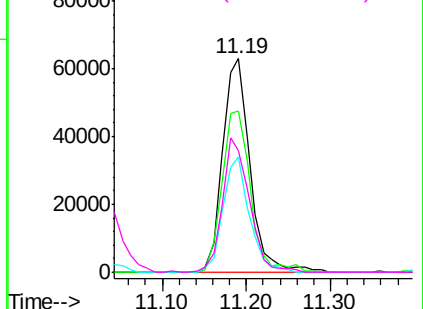
#55
 1,1,2-Trichloroethane
 Concen: 21.173 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion:	97	Resp:	141536
Ion	Ratio	Lower	Upper
97	100		
83	75.3	64.7	97.1
85	53.7	42.9	64.3
99	57.1	49.7	74.5

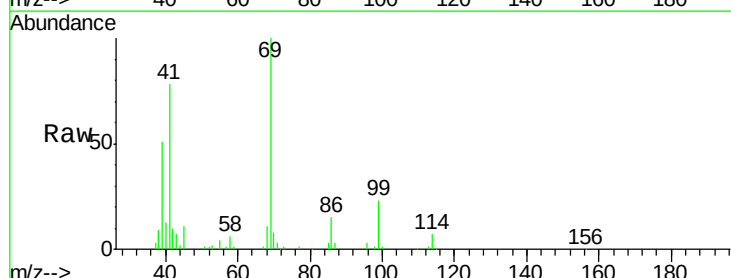


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

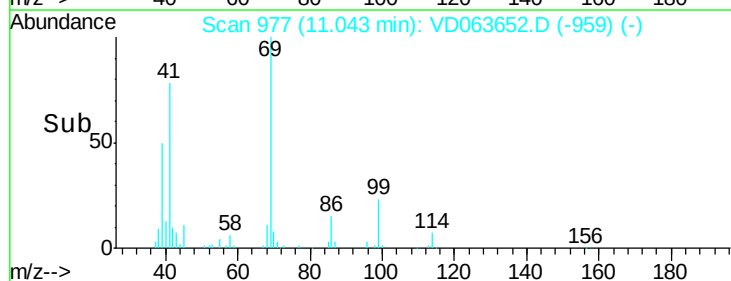
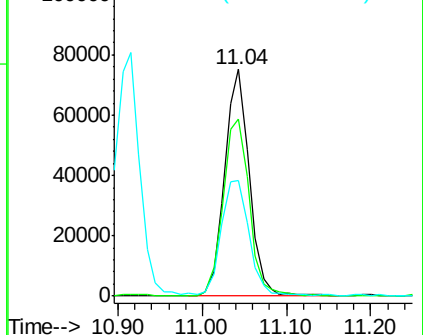


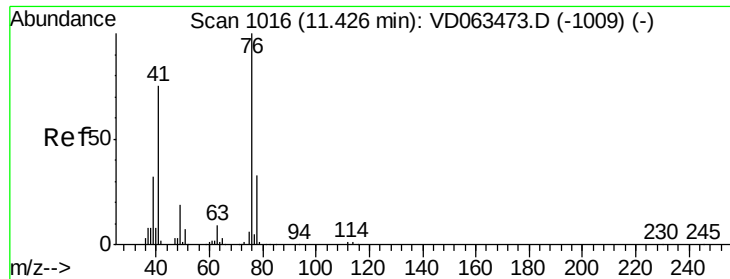
#56
 Ethyl methacrylate
 Concen: 21.054 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion:	69	Resp:	152758
Ion	Ratio	Lower	Upper
69	100		
41	78.3	64.8	97.2
39	51.0	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: 21.593 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

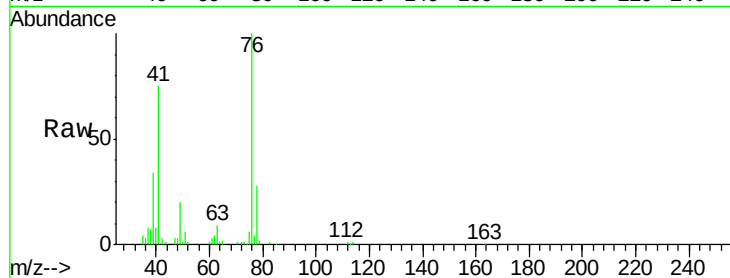
VD0819SBS01

Tot Ion: 76 Resp: 218188

Ion Ratio Lower Upper

76 100

78 27.9 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

120000

100000

80000

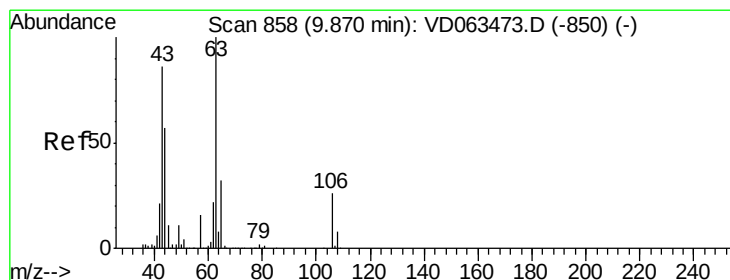
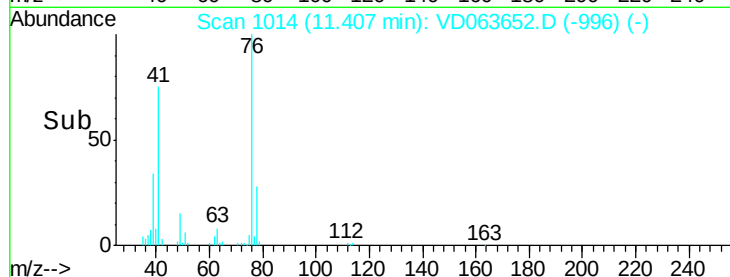
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.036 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063652.D

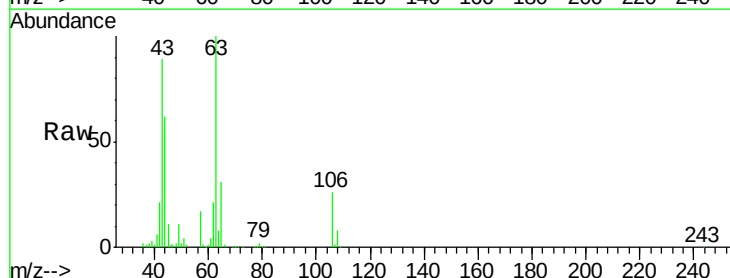
Acq: 19 Aug 2019 12:47

Tgt Ion: 63 Resp: 383182

Ion Ratio Lower Upper

63 100

106 26.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

200000

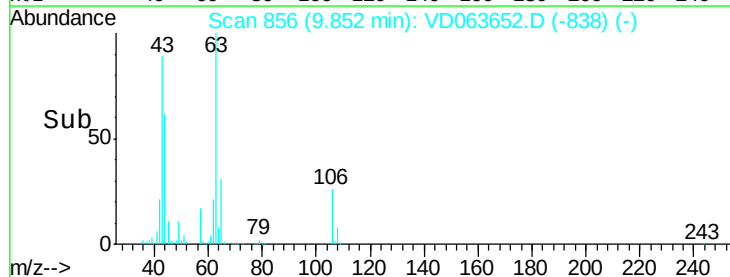
150000

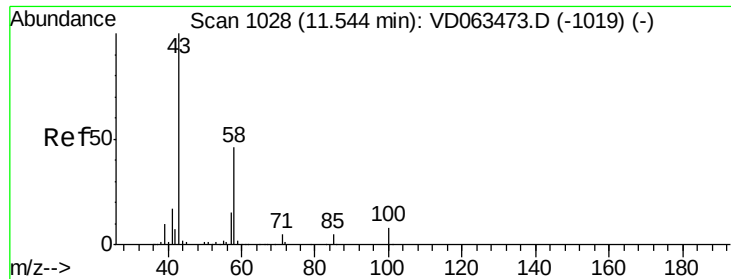
100000

50000

0

Time-->

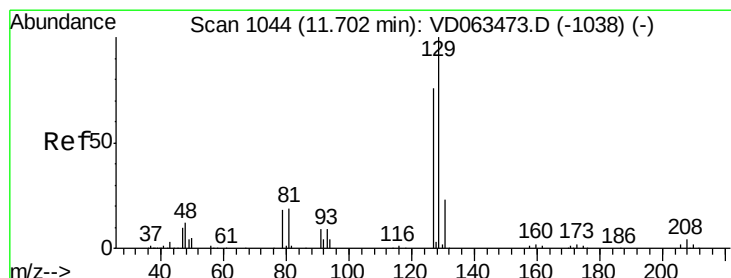
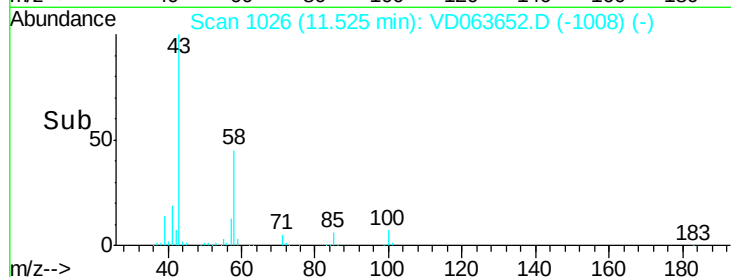
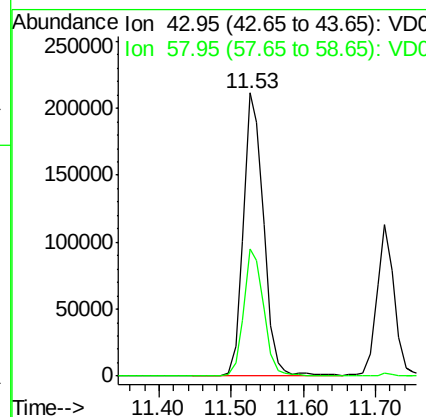
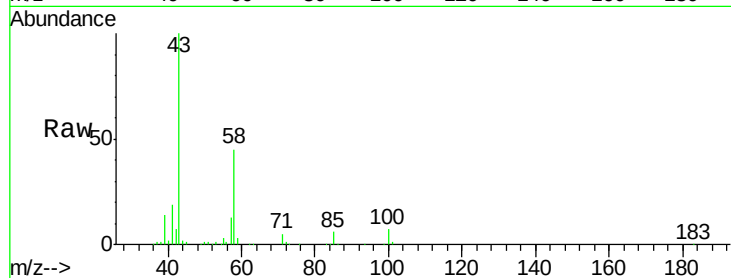




#59
2-Hexanone
Concen: 106.580 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

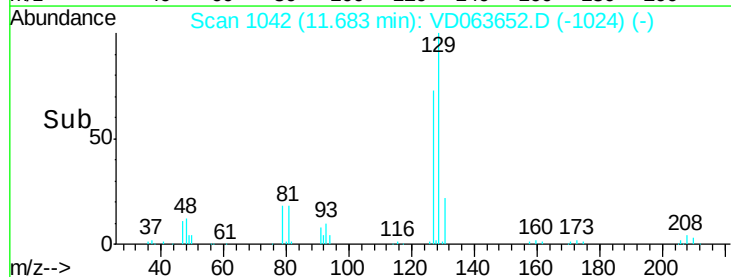
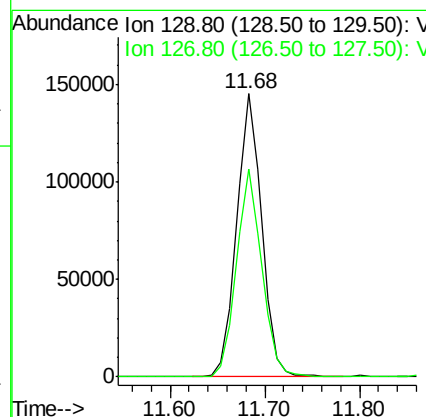
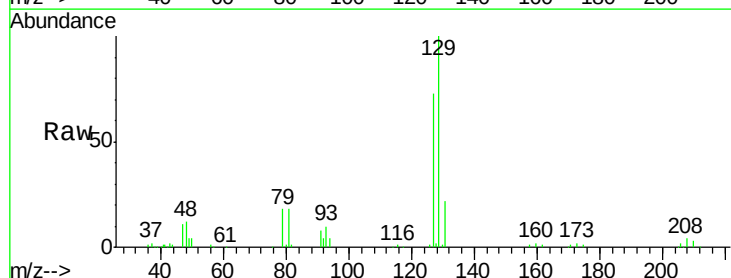
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

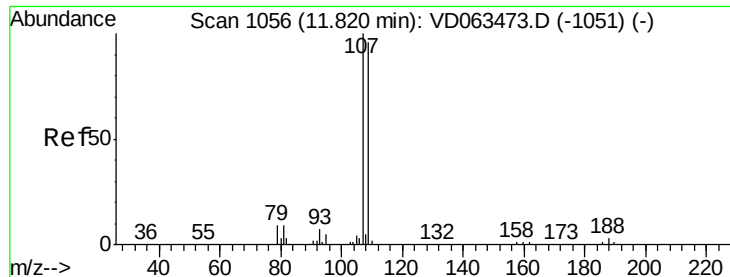
Tot Ion: 43 Resp: 415787
Ion Ratio Lower Upper
43 100
58 44.9 23.1 69.2



#60
Dibromochloromethane
Concen: 21.849 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 129 Resp: 265762
Ion Ratio Lower Upper
129 100
127 73.3 37.8 113.4

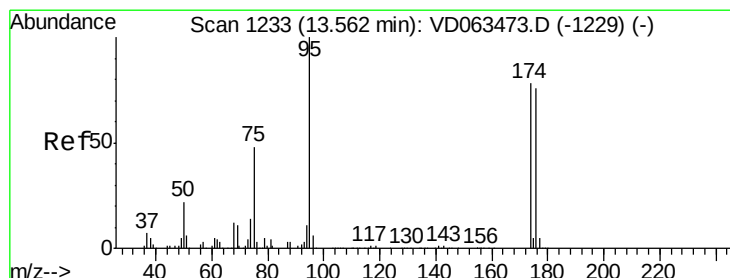
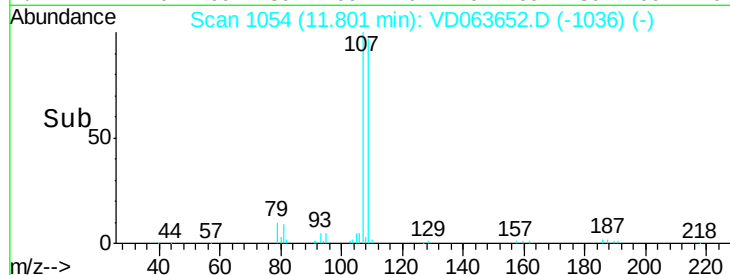
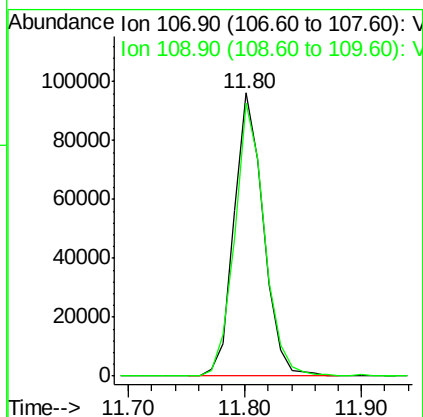
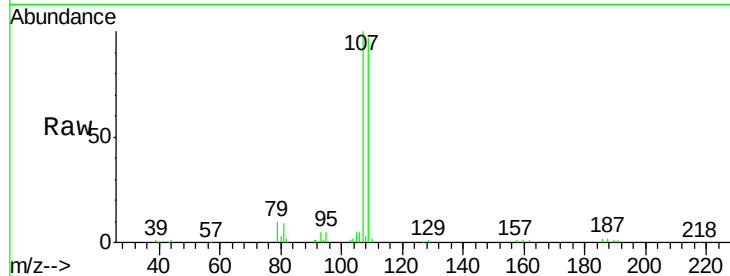




#61
 1,2-Dibromoethane
 Concen: 20.703 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

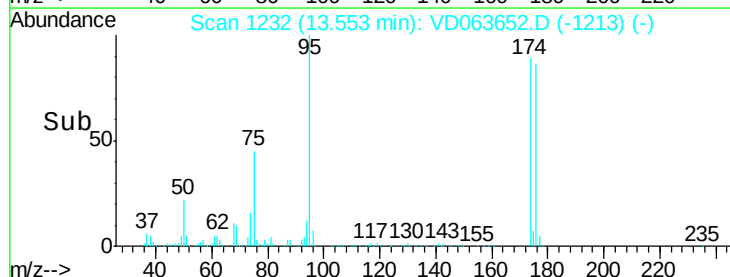
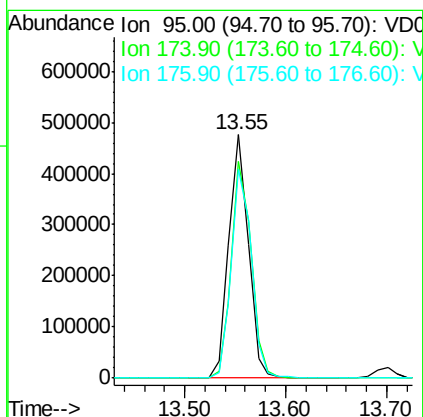
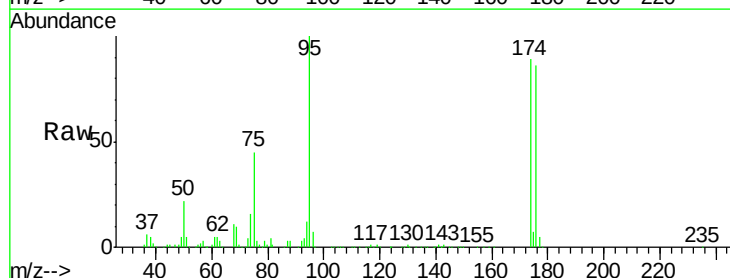
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

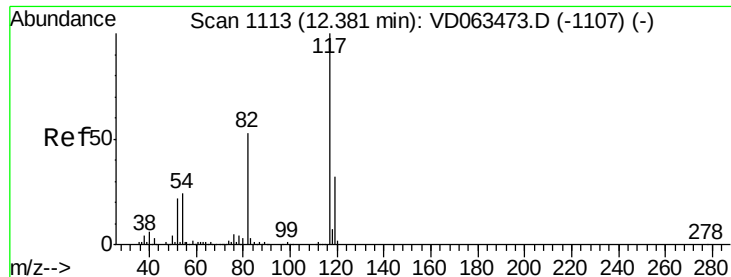
Tot Ion:107 Resp: 167539
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.364 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion: 95 Resp: 641013
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 155.4
 176 85.8 0.0 152.4

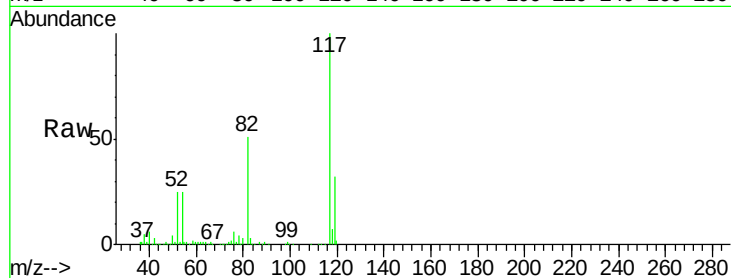




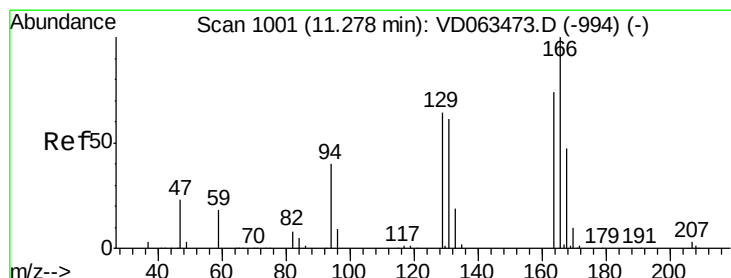
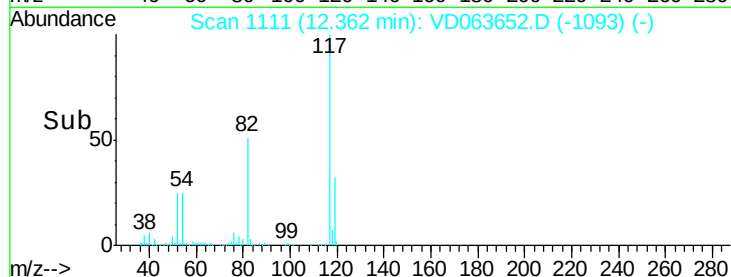
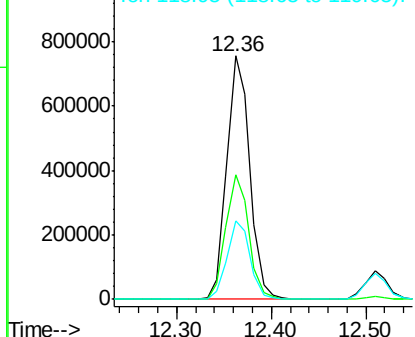
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:117 Resp: 1270264
Ion Ratio Lower Upper
117 100
82 51.2 42.0 63.0
119 32.4 25.4 38.0

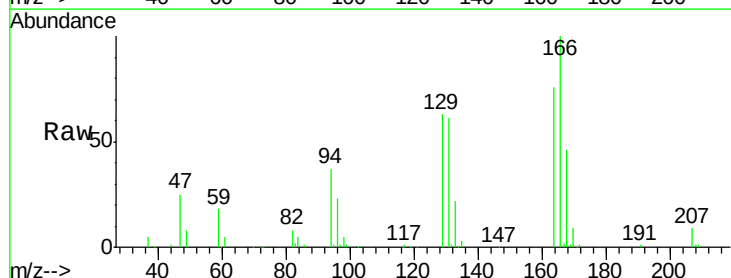


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

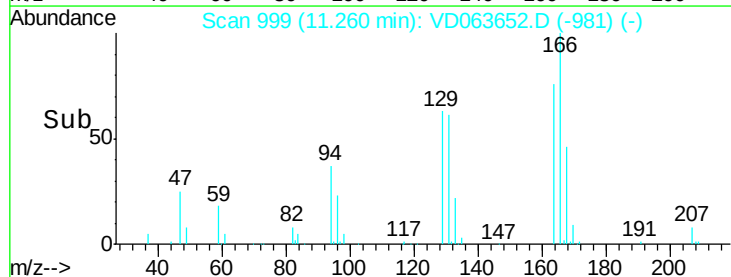
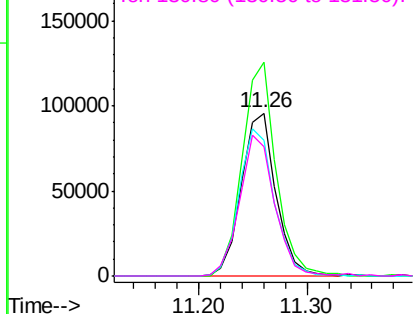


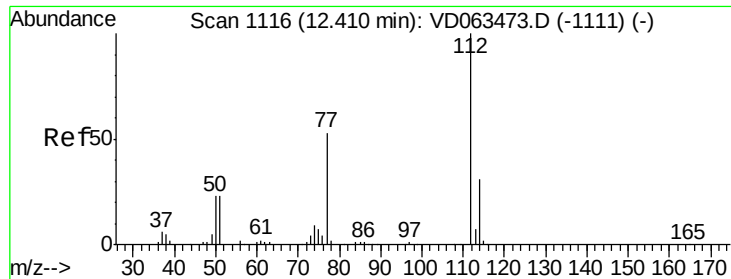
#64
Tetrachloroethene
Concen: 21.677 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion:164 Resp: 212564
Ion Ratio Lower Upper
164 100
166 131.3 108.6 163.0
129 83.3 69.0 103.6
131 79.6 66.6 99.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

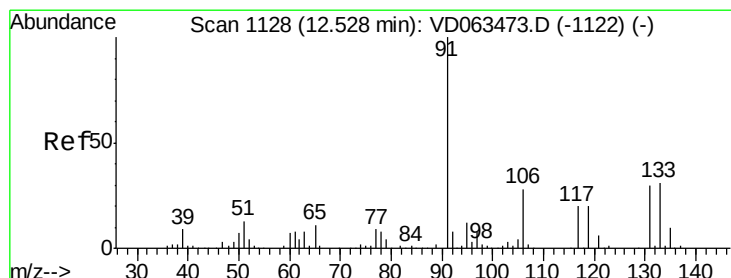
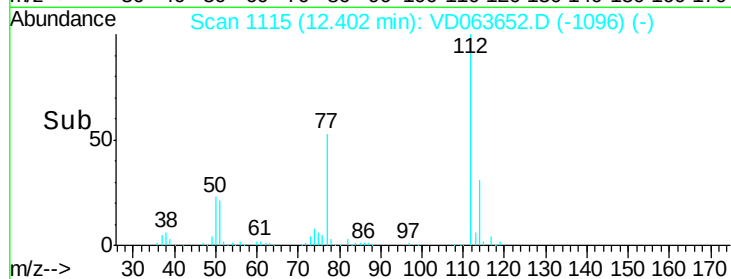
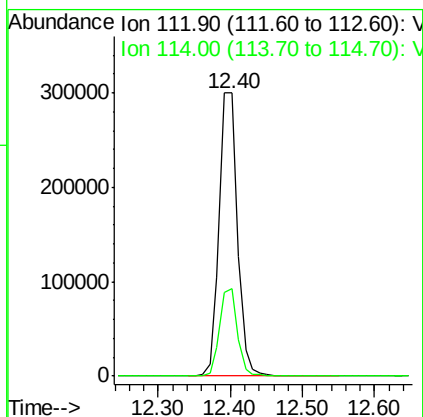
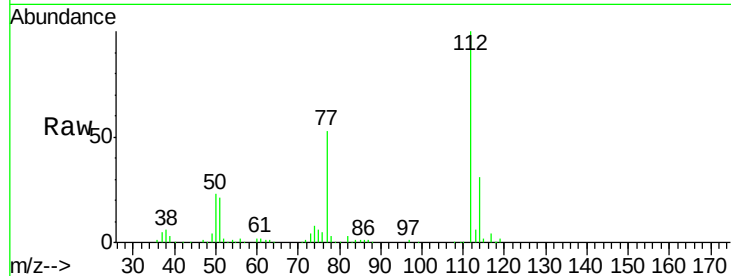




#65
Chlorobenzene
Concen: 22.102 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

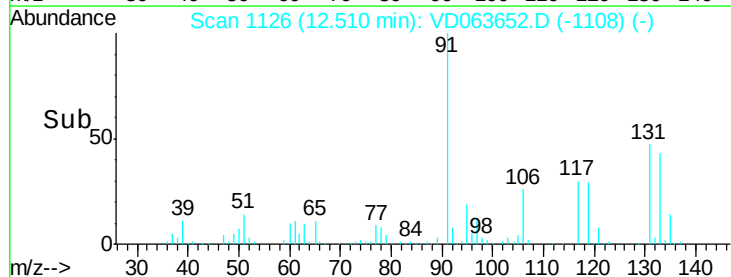
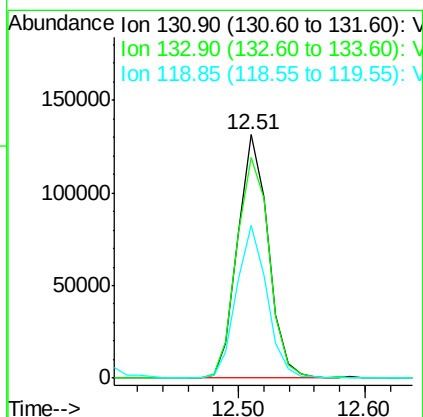
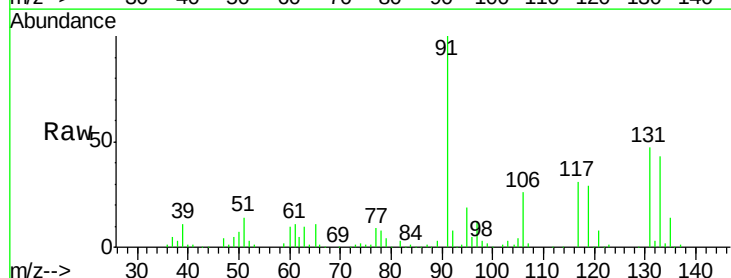
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

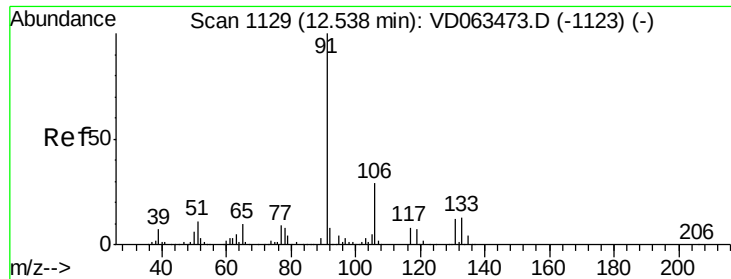
Tot Ion:112 Resp: 526207
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.063 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion:131 Resp: 220696
Ion Ratio Lower Upper
131 100
133 90.5 51.1 153.3
119 62.7 33.1 99.3

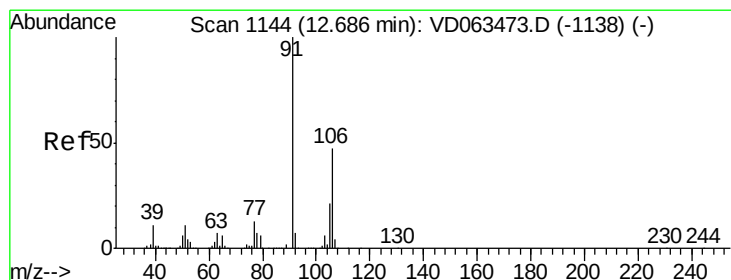
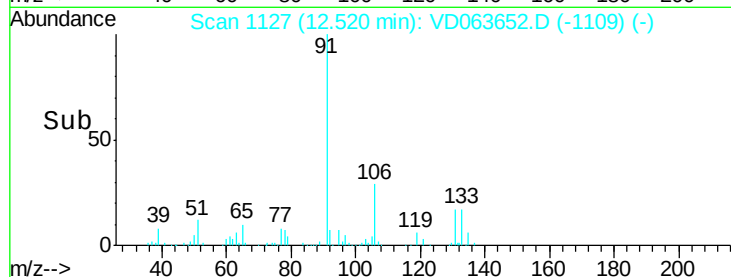
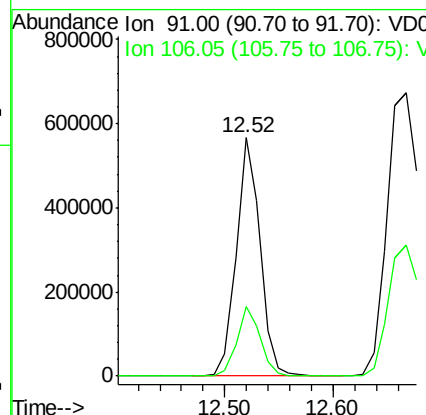
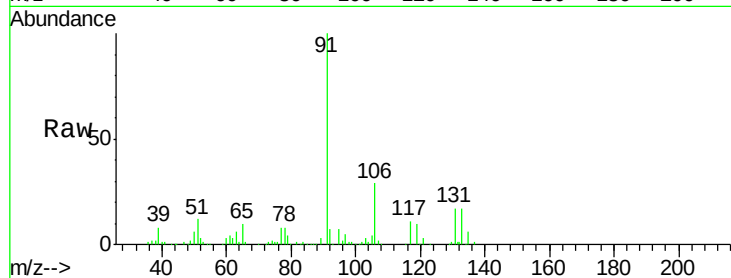




#67
Ethyl Benzene
Concen: 20.850 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

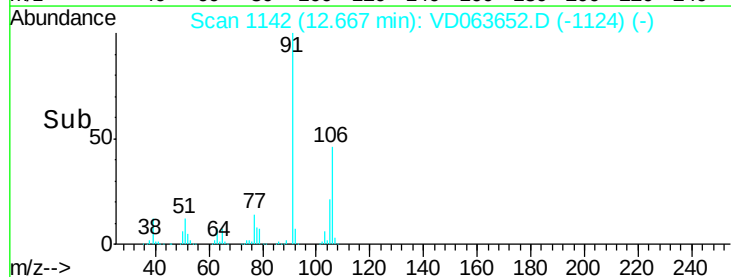
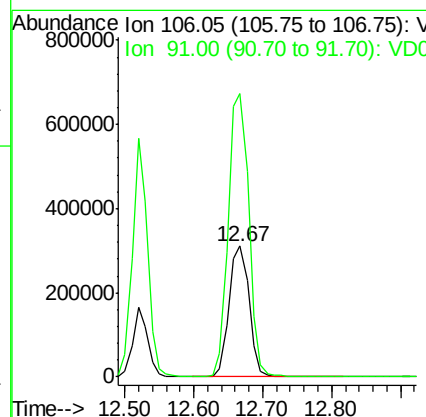
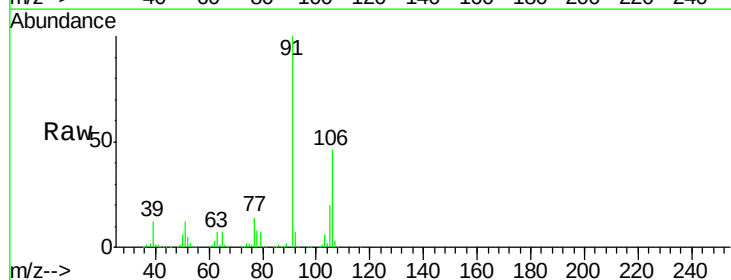
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

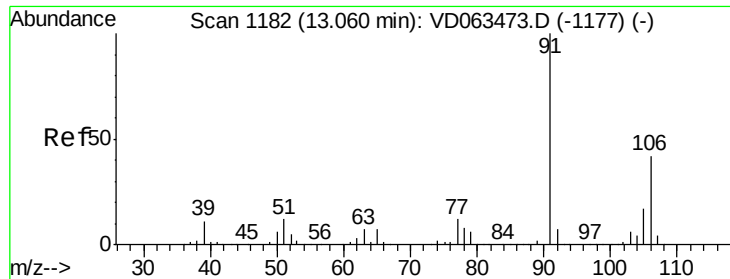
Tot Ion: 91 Resp: 863090
Ion Ratio Lower Upper
91 100
106 29.4 23.1 34.7



#68
m/p-Xylenes
Concen: 43.230 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 106 Resp: 628722
Ion Ratio Lower Upper
106 100
91 216.8 171.8 257.8

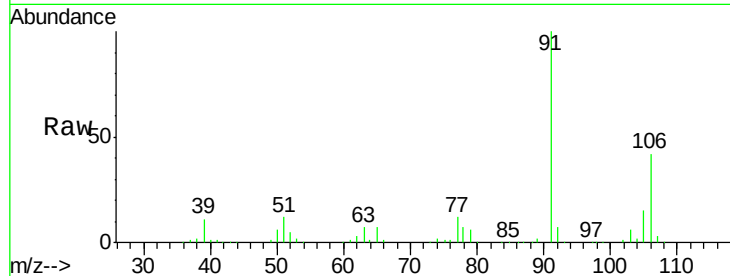




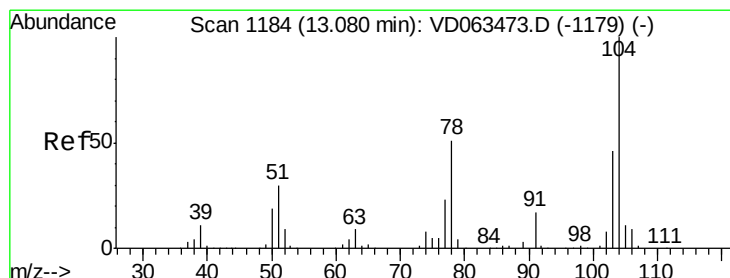
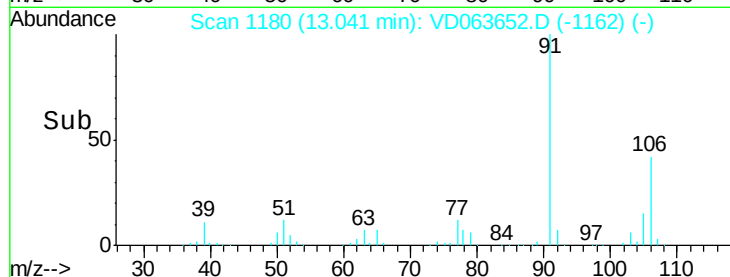
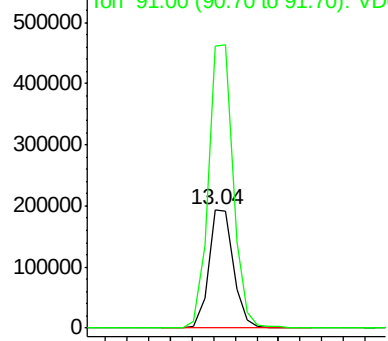
#69
o-Xylene
Concen: 21.901 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:106 Resp: 306571
Ion Ratio Lower Upper
106 100
91 238.6 118.1 354.2

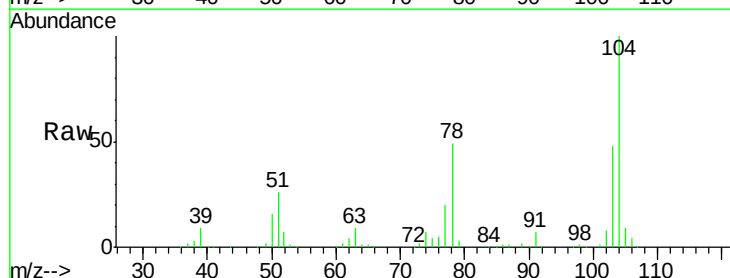


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

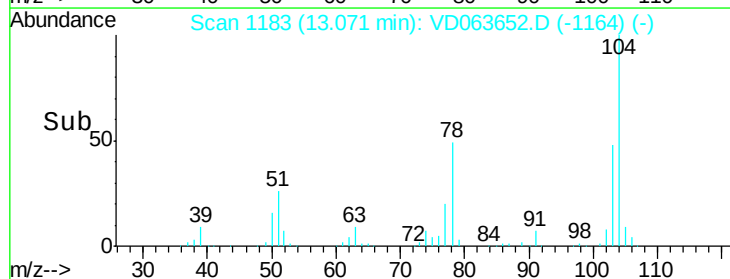
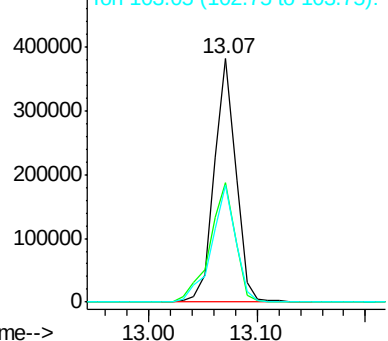


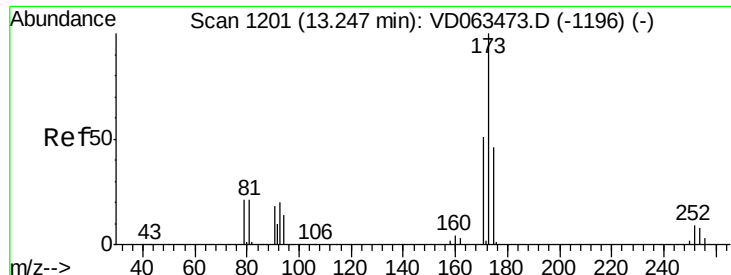
#70
Styrene
Concen: 21.287 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion:104 Resp: 530034
Ion Ratio Lower Upper
104 100
78 49.3 40.8 61.2
103 48.0 36.4 54.6



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

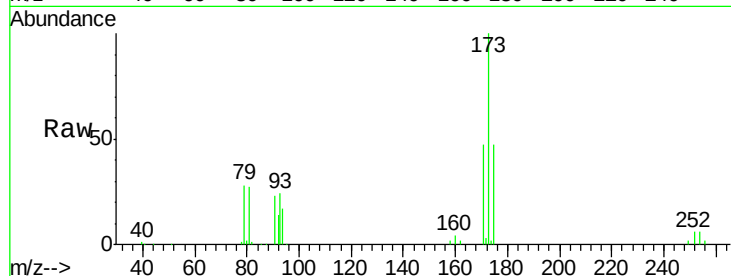




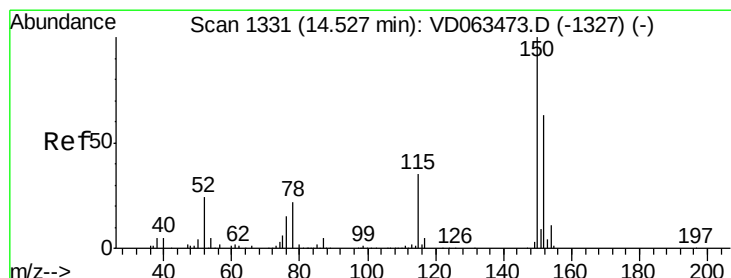
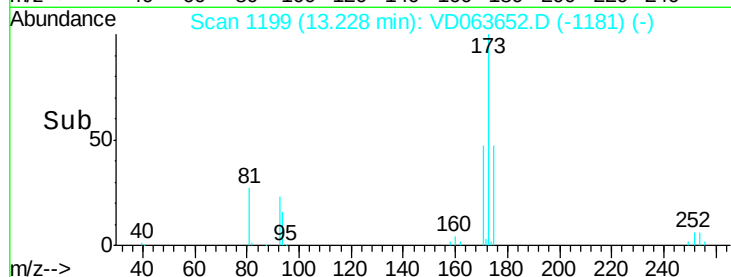
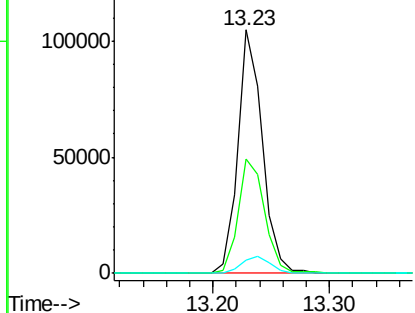
#71
Bromoform
Concen: 21.150 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:173 Resp: 151951
Ion Ratio Lower Upper
173 100
175 46.8 22.8 68.3
254 5.6 6.6 9.8#

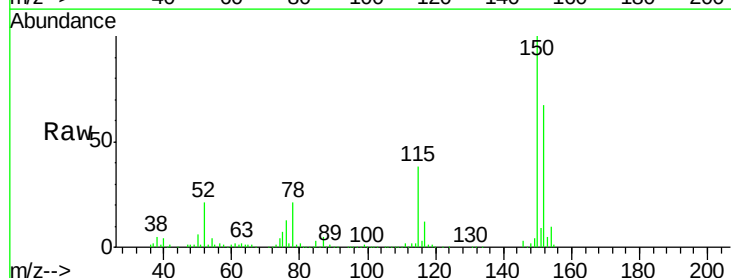


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

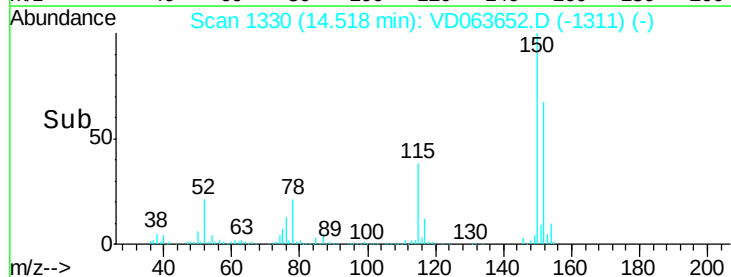
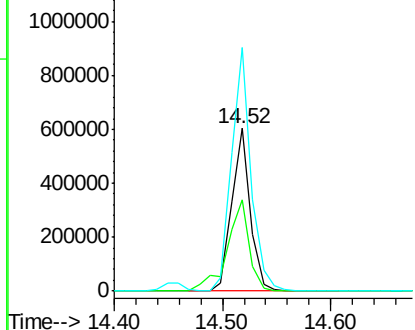


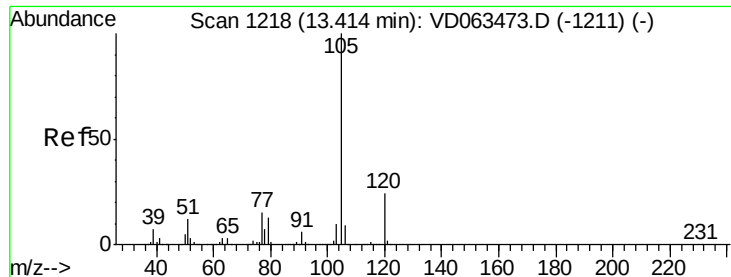
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion:152 Resp: 717090
Ion Ratio Lower Upper
152 100
115 56.5 30.9 92.7
150 149.8 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: 21.635 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

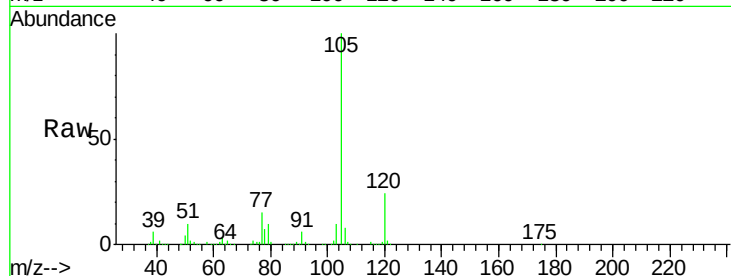
VD0819SBS01

Tot Ion:105 Resp: 986781

Ion Ratio Lower Upper

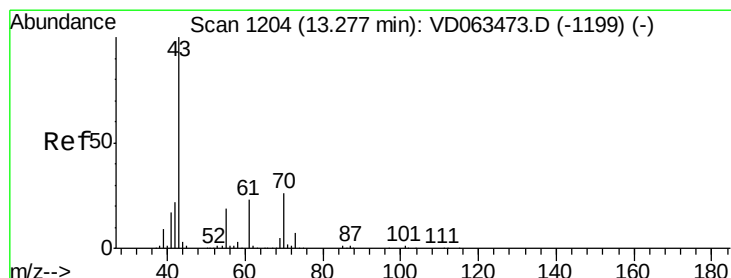
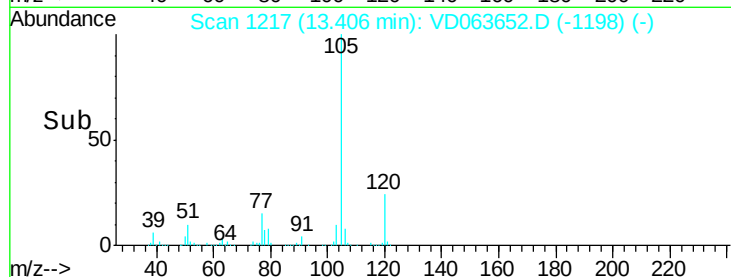
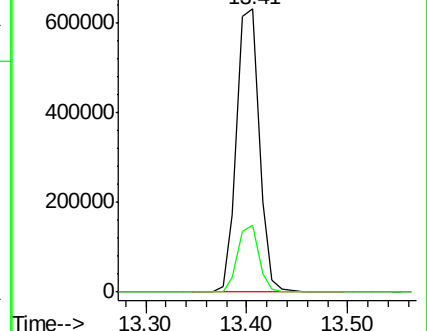
105 100

120 23.7 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: 18.422 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Tgt Ion: 43 Resp: 210932

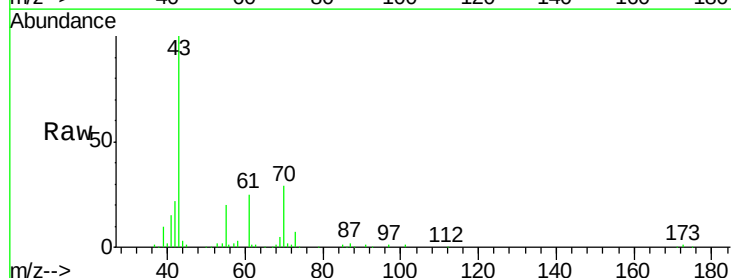
Ion Ratio Lower Upper

43 100

70 29.1 21.1 31.7

55 20.5 15.4 23.0

61 24.5 18.2 27.2

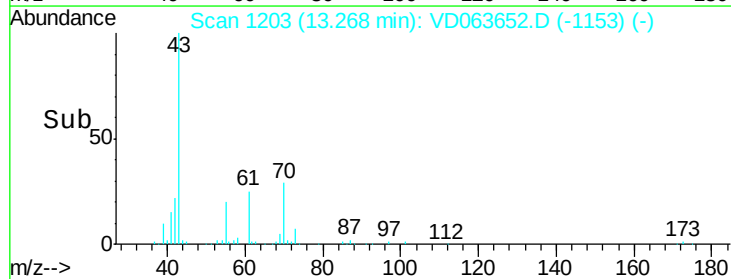
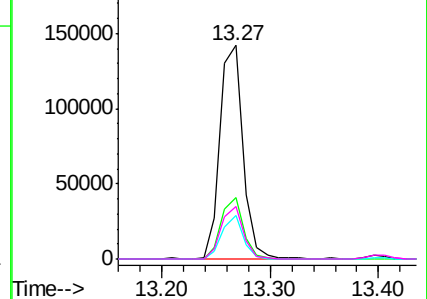


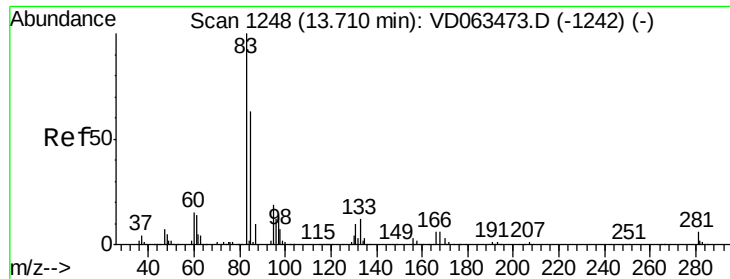
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.614 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

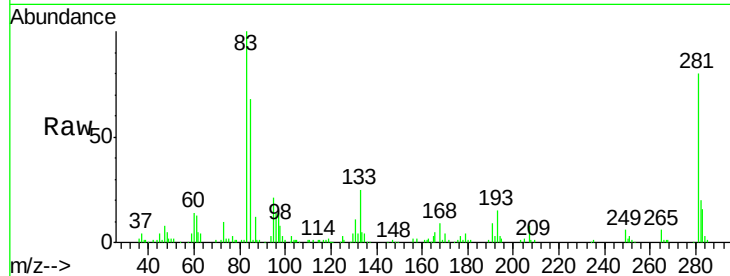
Tot Ion: 83 Resp: 156059

Ion Ratio Lower Upper

83 100

131 11.4 5.3 15.8

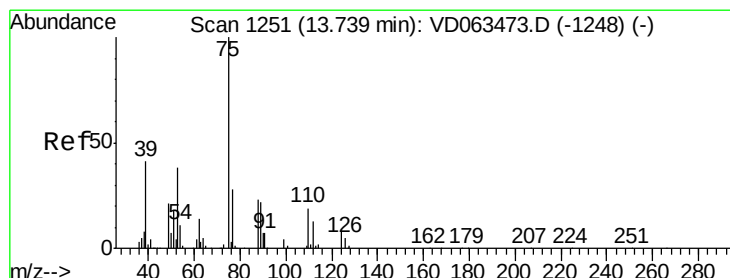
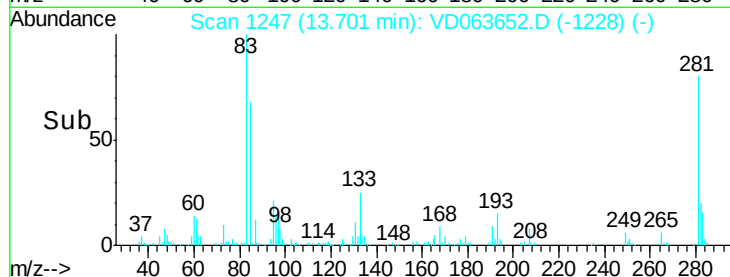
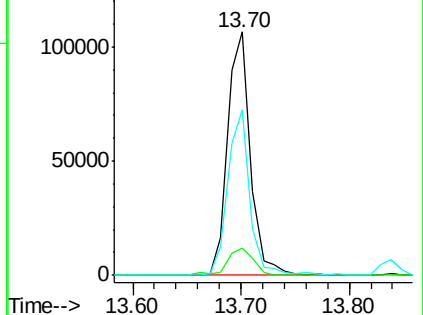
85 68.1 31.4 94.3



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: 21.556 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063652.D

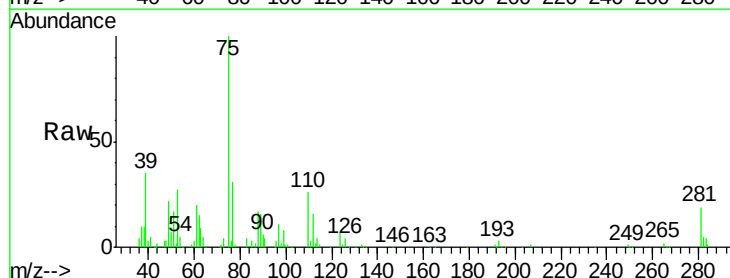
Acq: 19 Aug 2019 12:47

Tgt Ion: 75 Resp: 177403

Ion Ratio Lower Upper

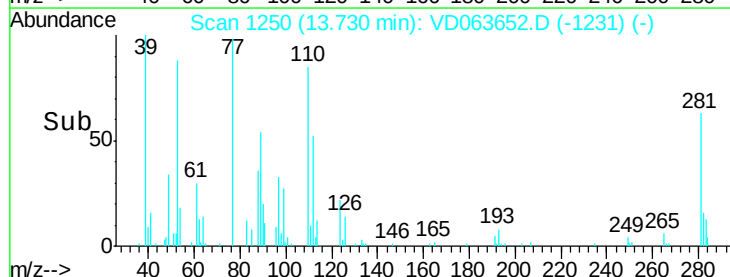
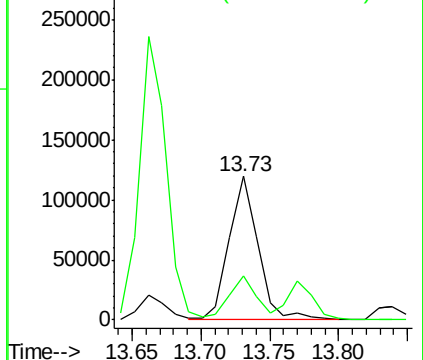
75 100

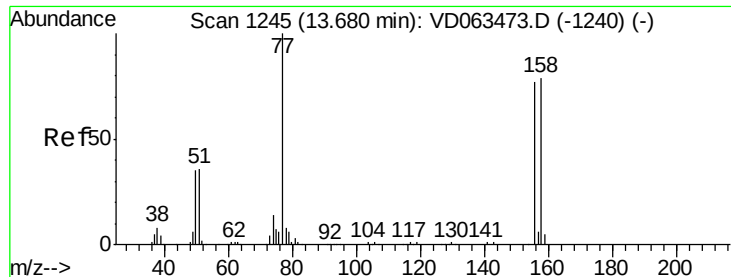
77 30.8 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.484 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

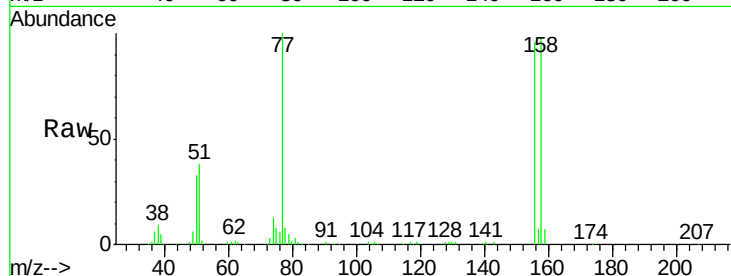
Tot Ion:156 Resp: 255339

Ion Ratio Lower Upper

156 100

77 103.8 64.6 193.8

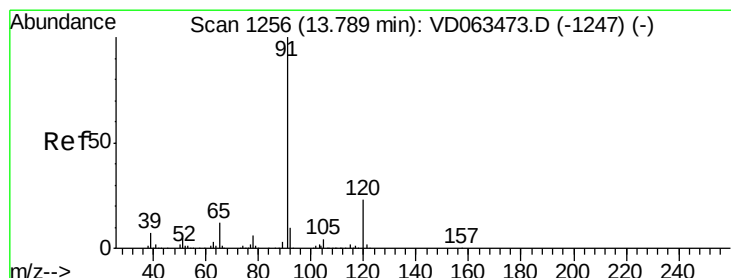
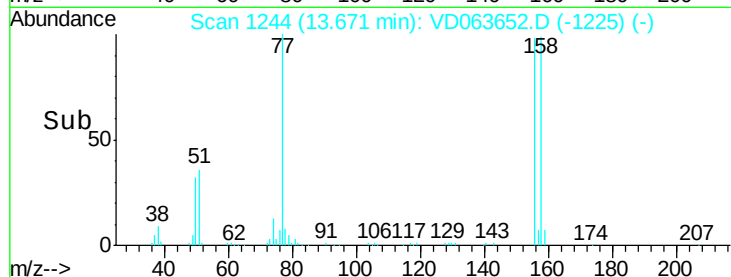
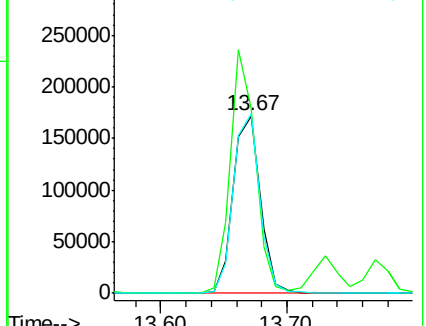
158 101.4 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.474 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063652.D

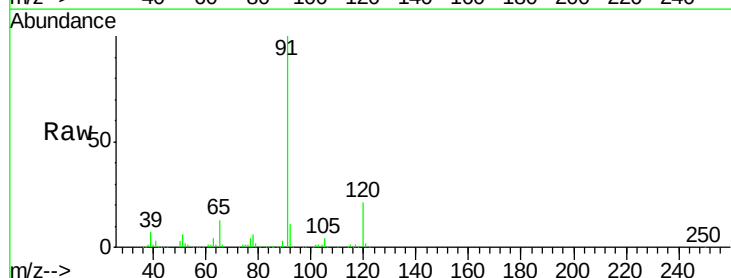
Acq: 19 Aug 2019 12:47

Tgt Ion: 91 Resp: 1039232

Ion Ratio Lower Upper

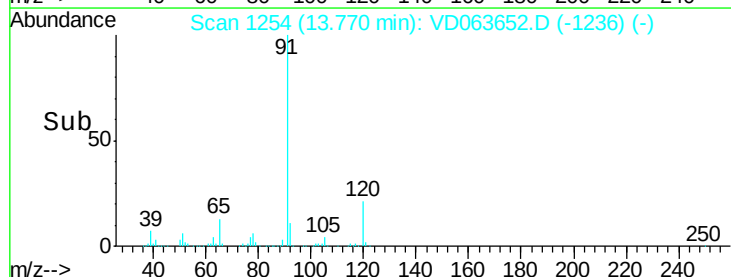
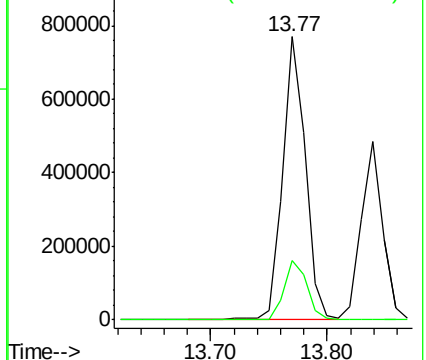
91 100

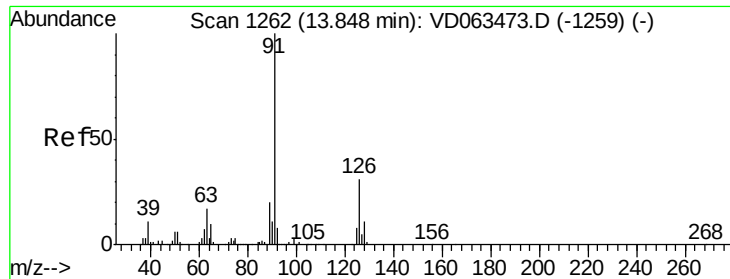
120 21.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.174 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

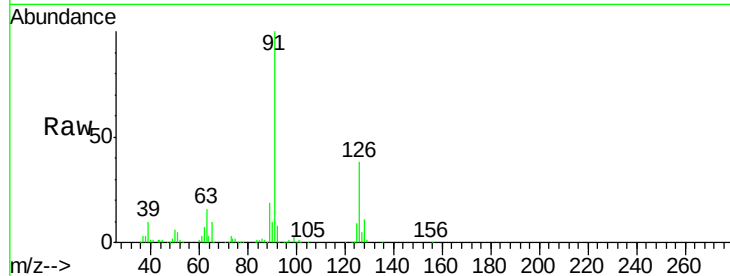
VD0819SBS01

Tot Ion: 91 Resp: 620762

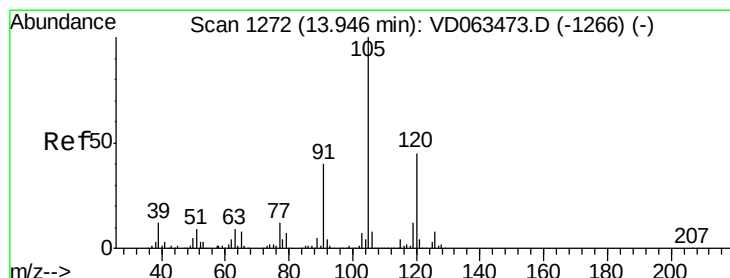
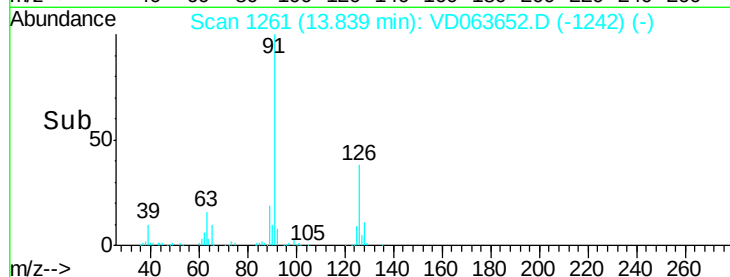
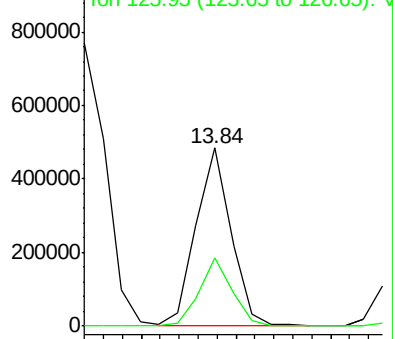
Ion Ratio Lower Upper

91 100

126 38.2 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.524 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063652.D

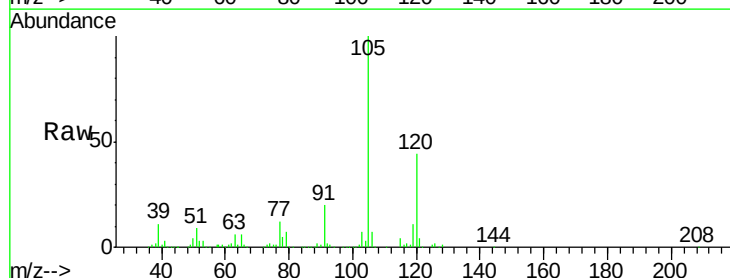
Acq: 19 Aug 2019 12:47

Tgt Ion:105 Resp: 778070

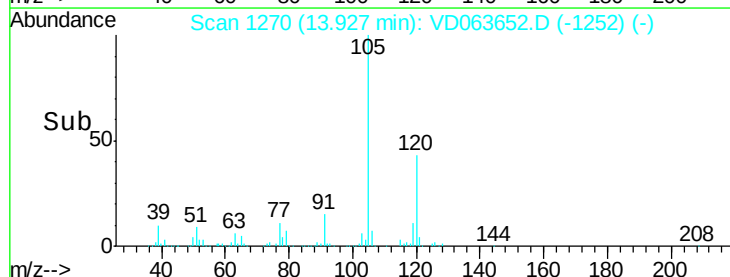
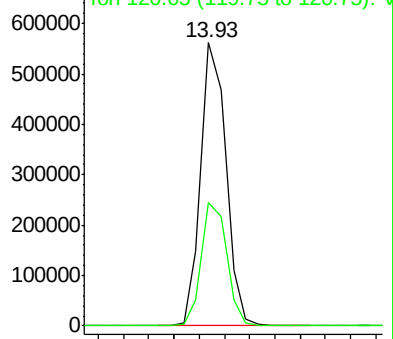
Ion Ratio Lower Upper

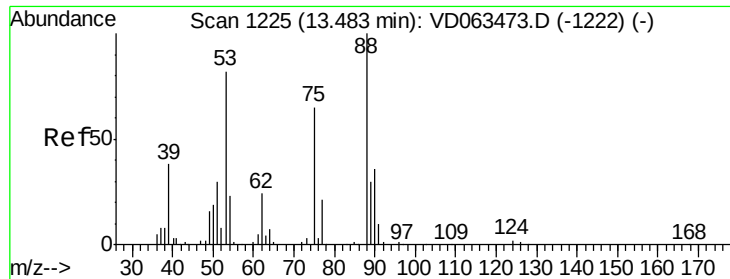
105 100

120 43.7 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

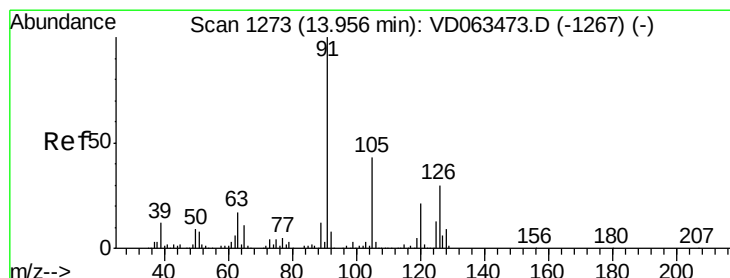
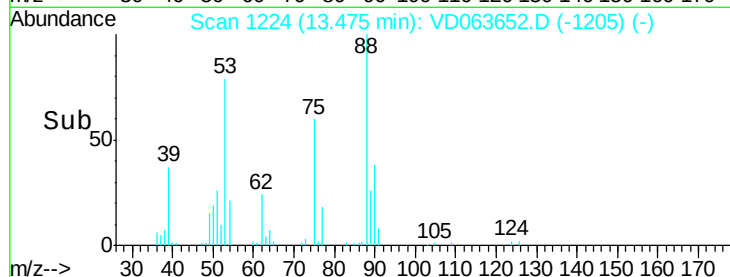
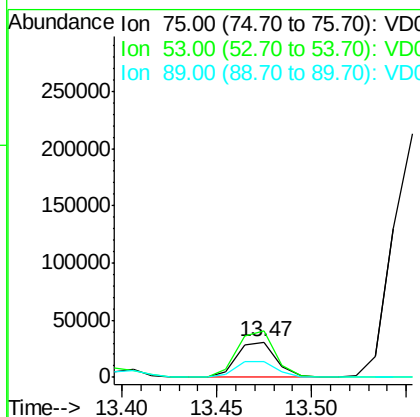
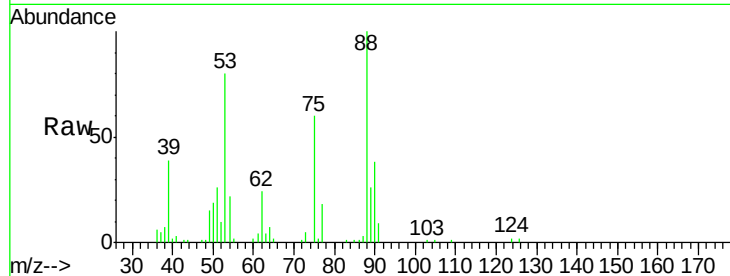




#81
trans-1,4-Dichloro-2-butene
Concen: 19.738 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

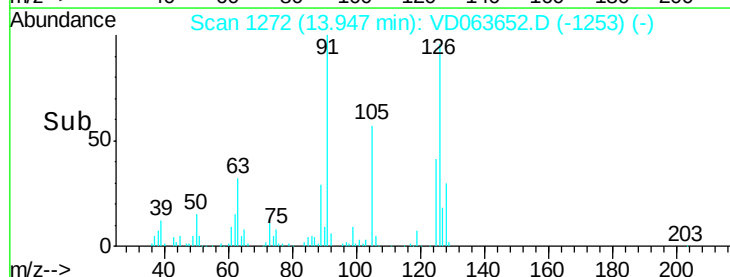
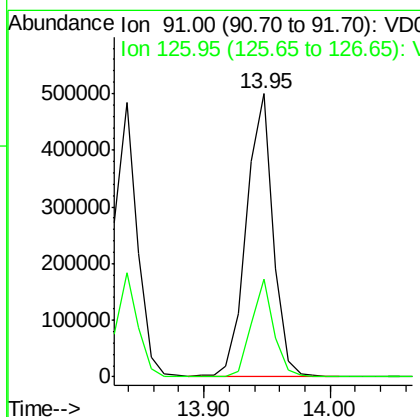
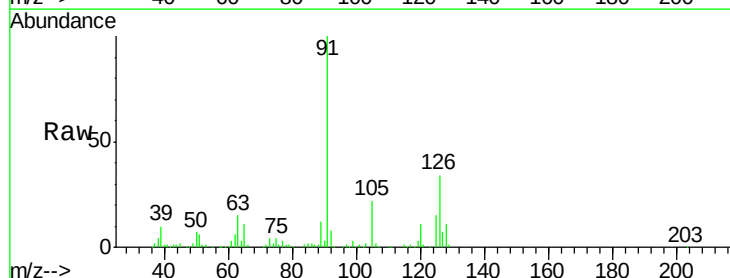
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

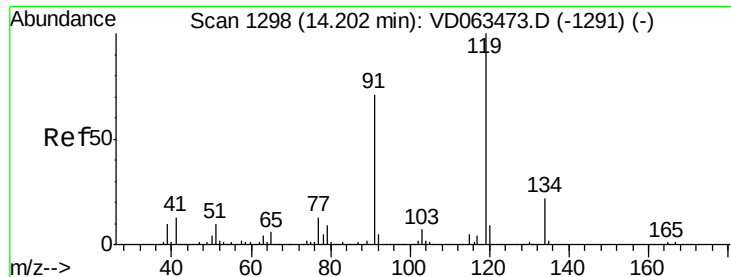
Tot Ion: 75 Resp: 43660
Ion Ratio Lower Upper
75 100
53 134.1 101.0 151.4
89 43.3 37.0 55.6



#82
4-Chlorotoluene
Concen: 19.639 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion: 91 Resp: 726662
Ion Ratio Lower Upper
91 100
126 34.4 15.2 45.6

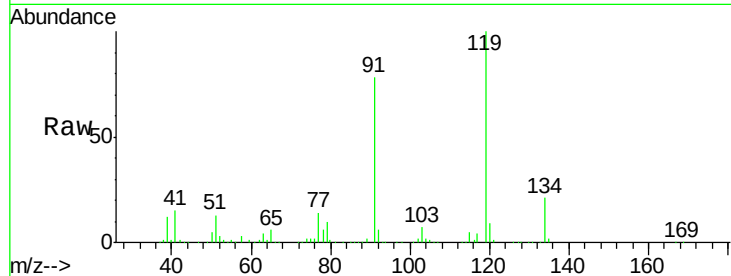




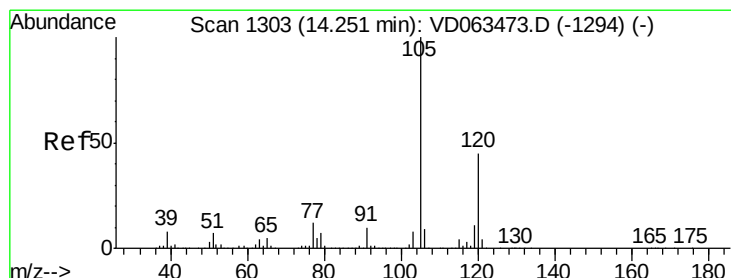
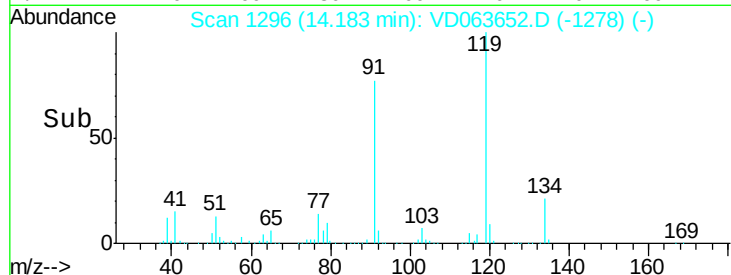
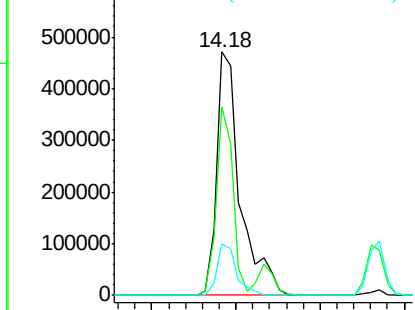
#83
 tert-Butylbenzene
 Concen: 21.791 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion:119 Resp: 914483
 Ion Ratio Lower Upper
 119 100
 91 77.7 35.5 106.7
 134 21.1 11.1 33.1

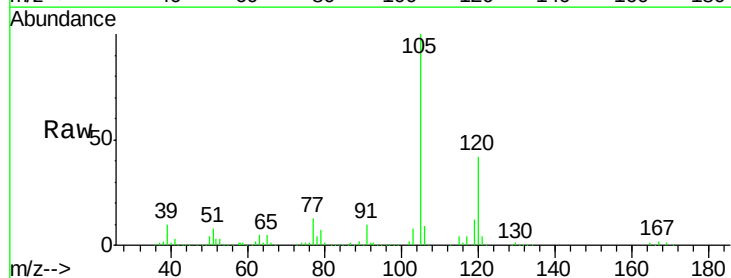


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

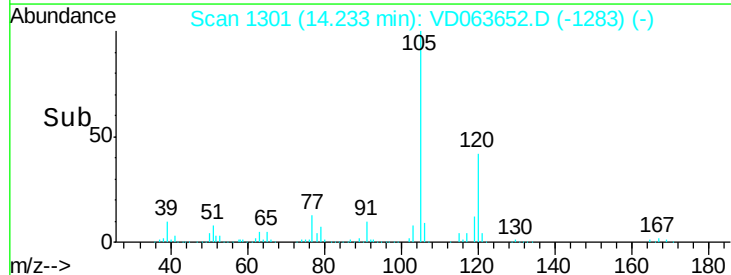
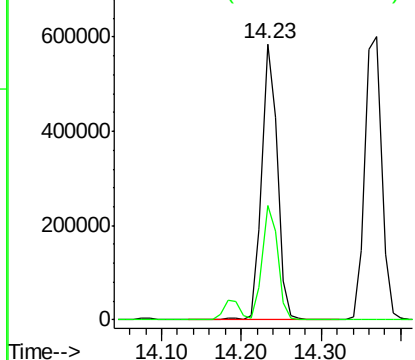


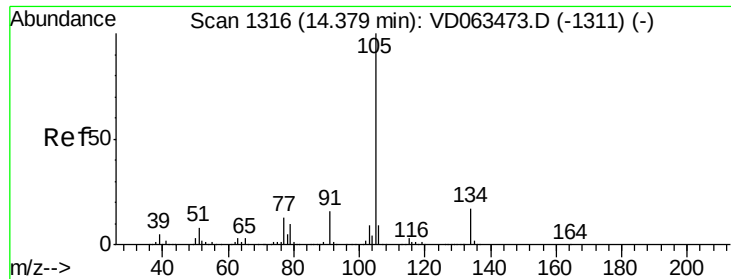
#84
 1,2,4-Trimethylbenzene
 Concen: 21.249 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion:105 Resp: 783522
 Ion Ratio Lower Upper
 105 100
 120 41.6 22.7 68.1



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





#85

sec-Butylbenzene

Concen: 19.834 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

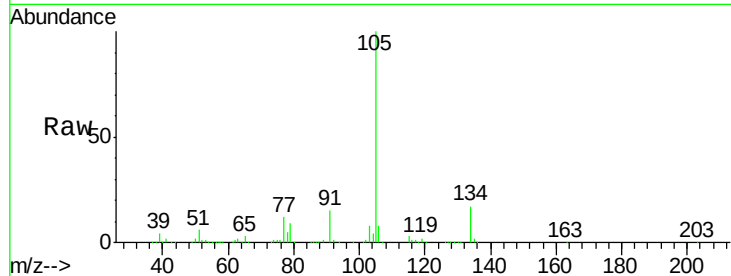
VD0819SBS01

Tot Ion:105 Resp: 883952

Ion Ratio Lower Upper

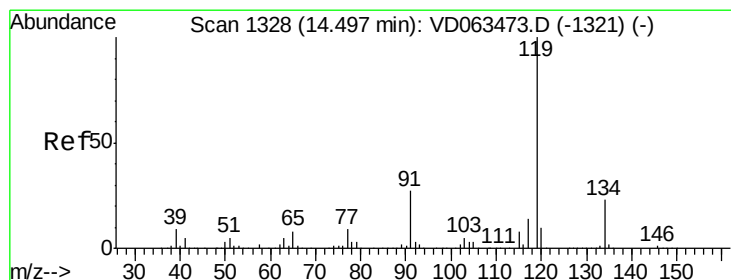
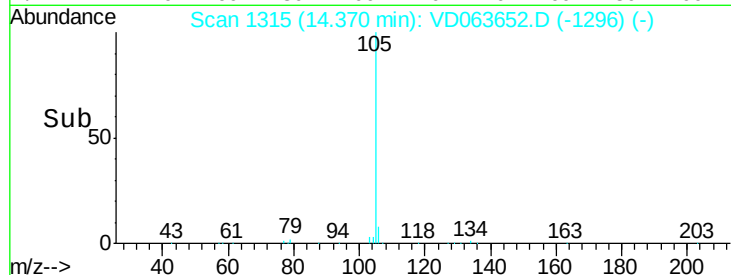
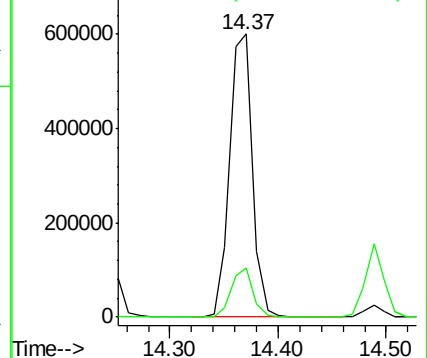
105 100

134 17.4 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.469 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

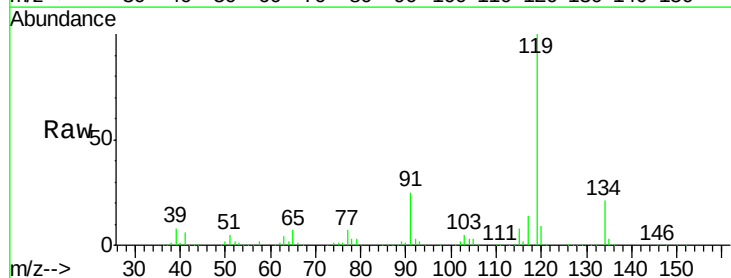
Tgt Ion:119 Resp: 872222

Ion Ratio Lower Upper

119 100

134 21.3 11.3 33.8

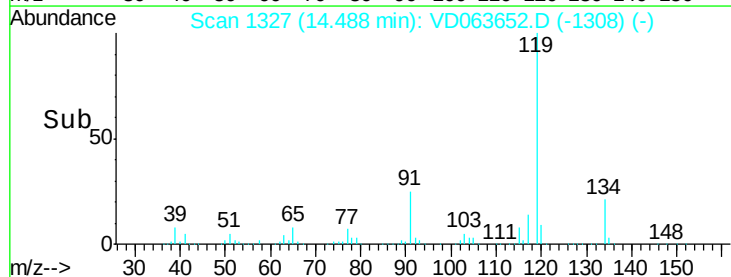
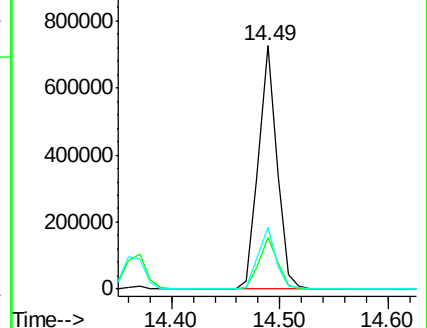
91 25.4 13.5 40.4

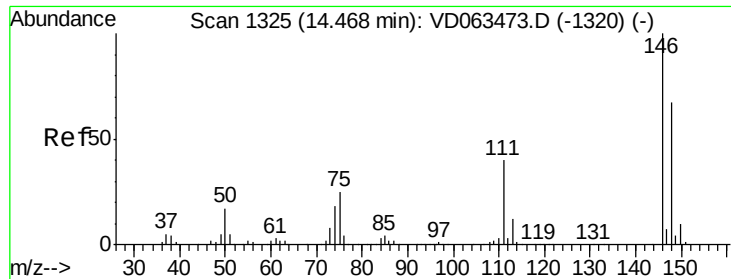


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

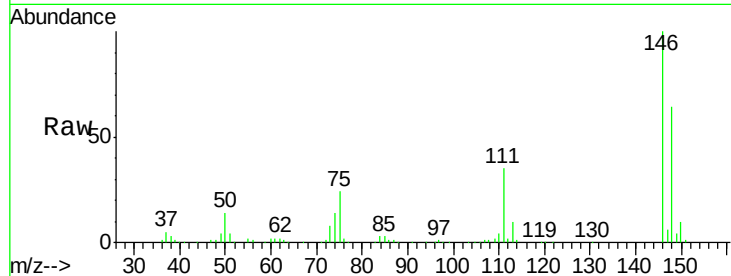




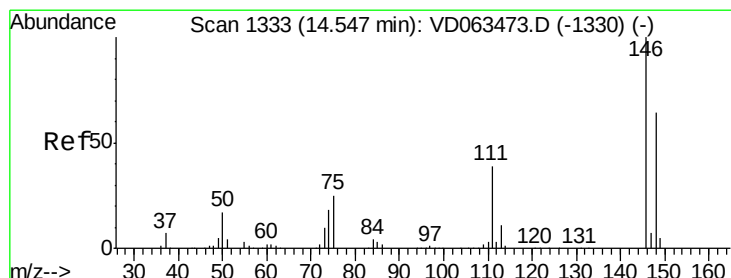
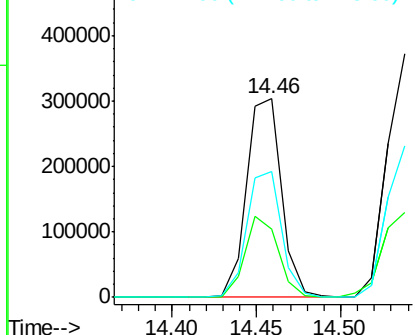
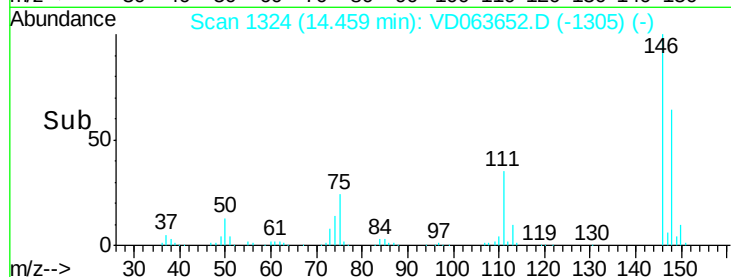
#87
 1,3-Dichlorobenzene
 Concen: 19.390 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion:146 Resp: 437202
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.0 60.0
 148 63.6 33.6 100.6

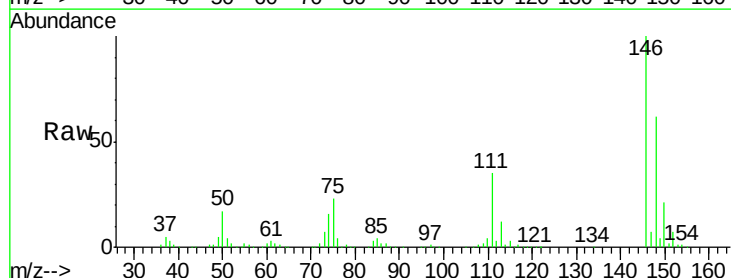


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

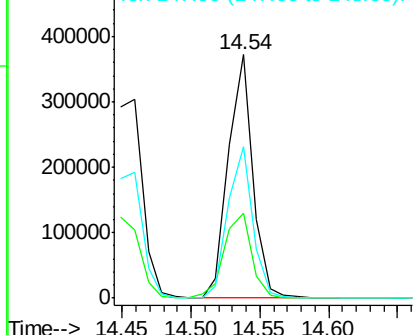
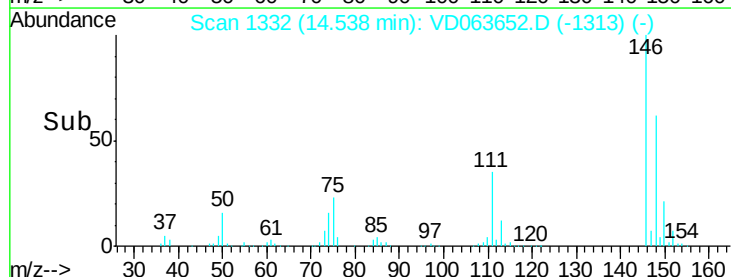


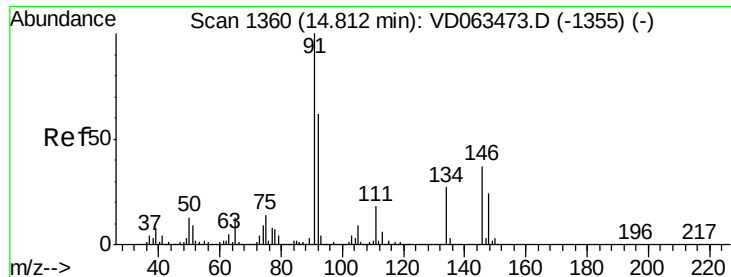
#88
 1,4-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion:146 Resp: 461442
 Ion Ratio Lower Upper
 146 100
 111 34.7 19.7 59.0
 148 62.3 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: 20.360 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063652.D

Acq: 19 Aug 2019 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

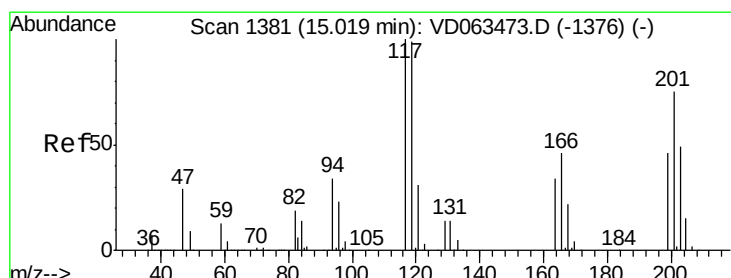
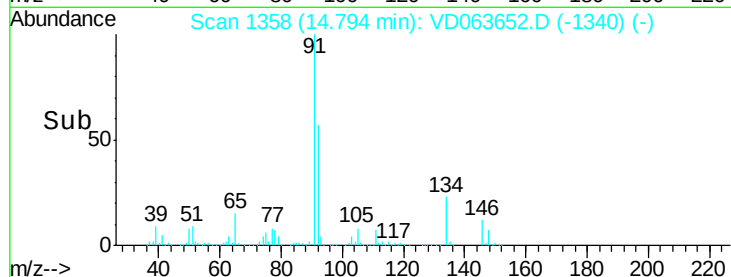
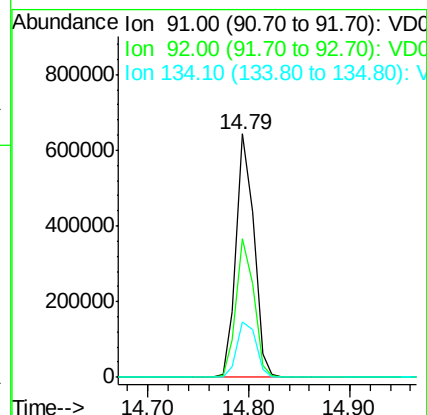
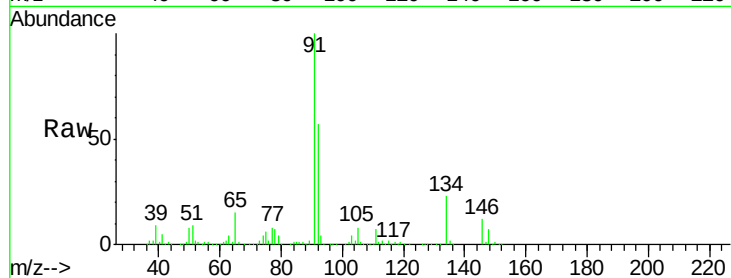
Tot Ion: 91 Resp: 791833

Ion Ratio Lower Upper

91 100

92 57.1 30.8 92.3

134 22.8 13.4 40.2



#90

Hexachloroethane

Concen: 20.280 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063652.D

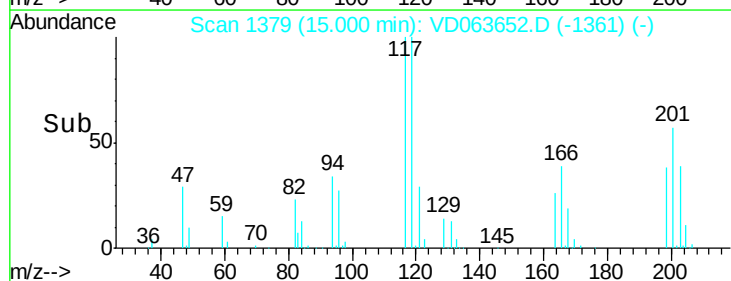
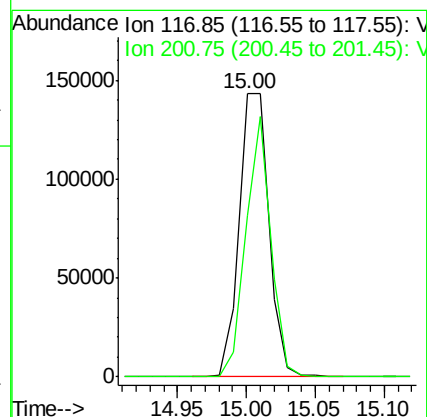
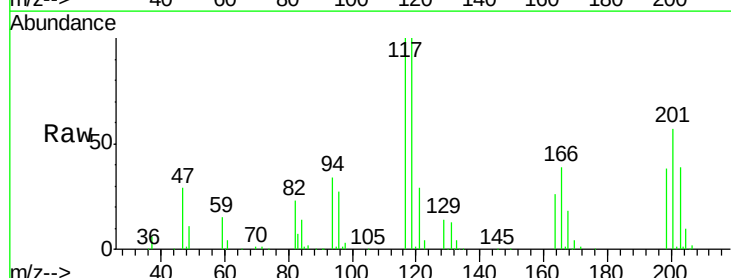
Acq: 19 Aug 2019 12:47

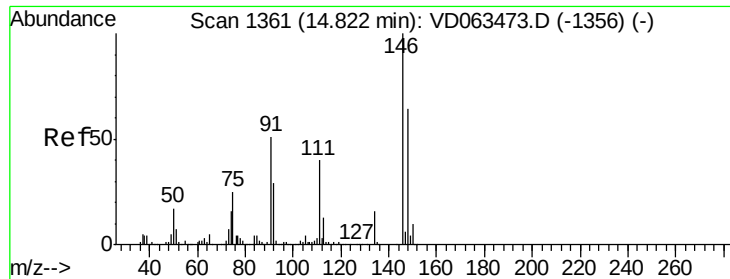
Tgt Ion: 117 Resp: 217212

Ion Ratio Lower Upper

117 100

201 57.1 37.5 112.5

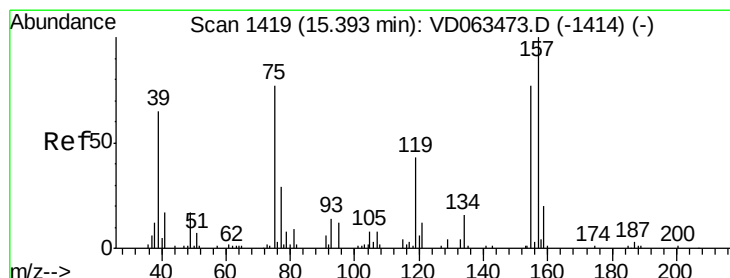
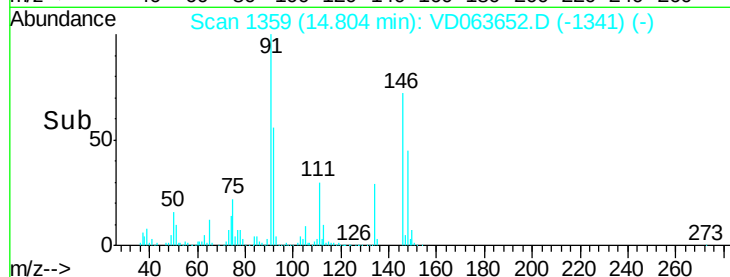
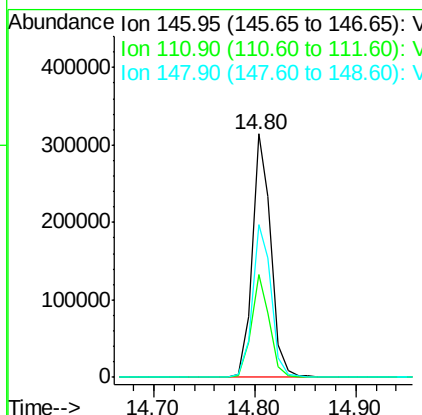
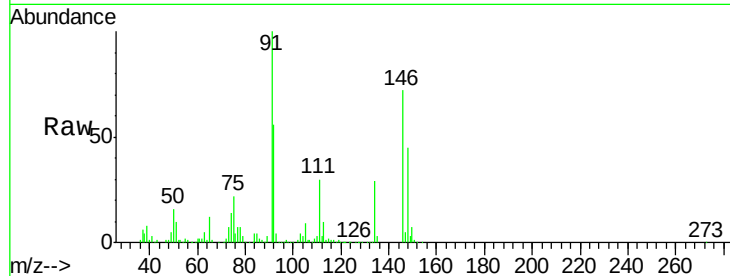




#91
 1,2-Dichlorobenzene
 Concen: 21.287 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

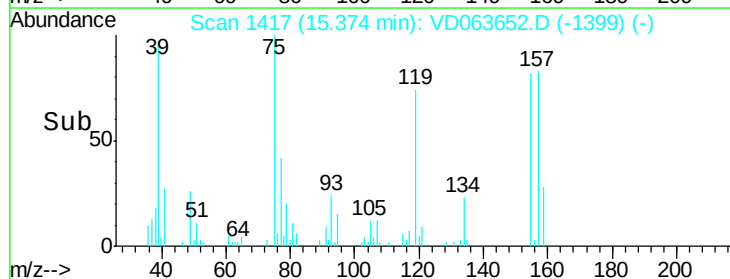
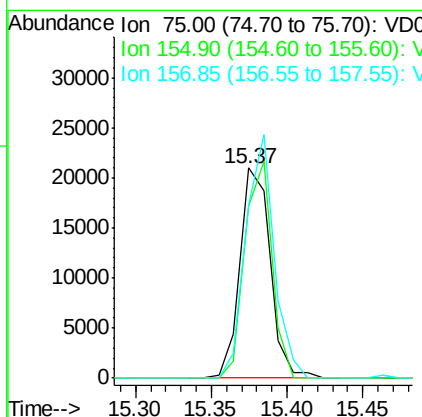
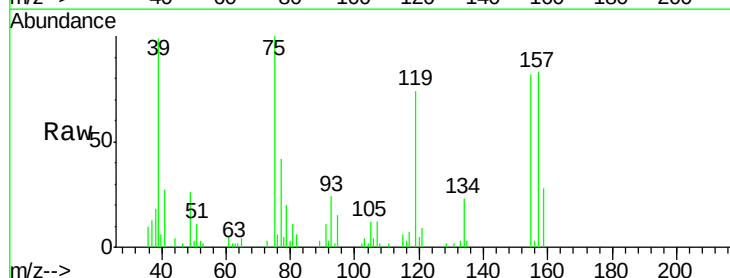
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

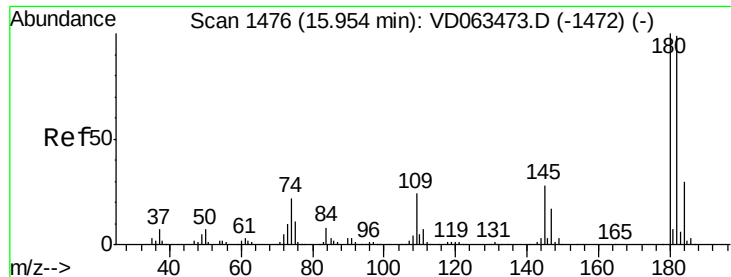
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.2	60.6
148	62.9	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.458 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	50.1	150.3
157	82.6	65.0	195.1

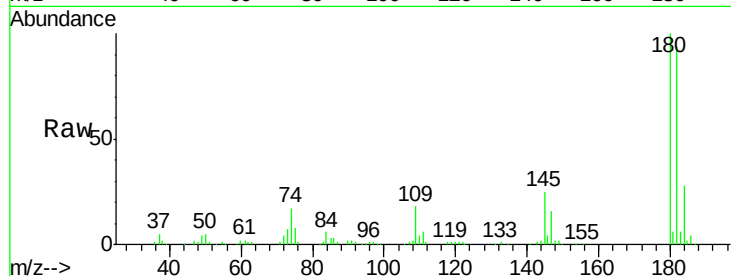




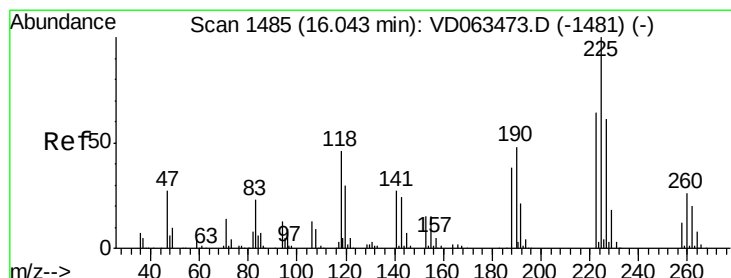
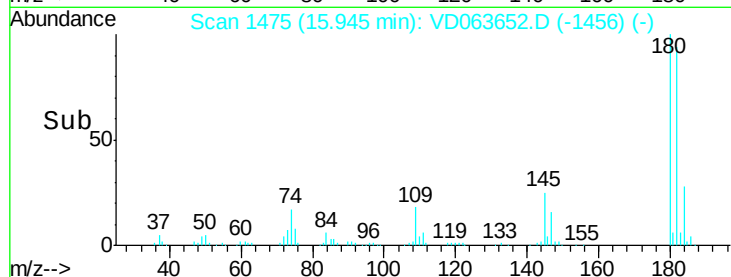
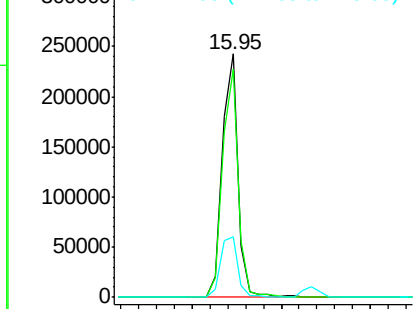
#93
 1,2,4-Trichlorobenzene
 Concen: 21.504 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	49.7	149.1
145	24.9	14.1	42.2

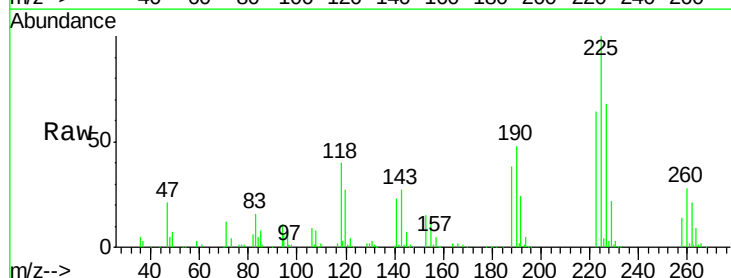


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

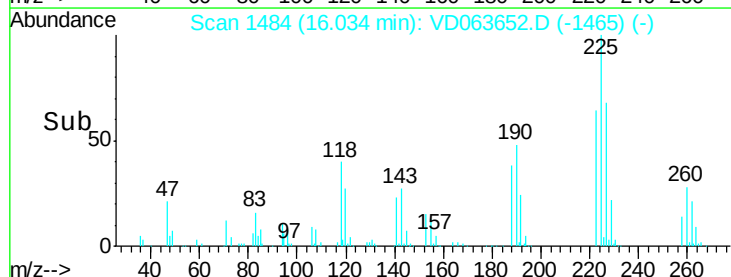
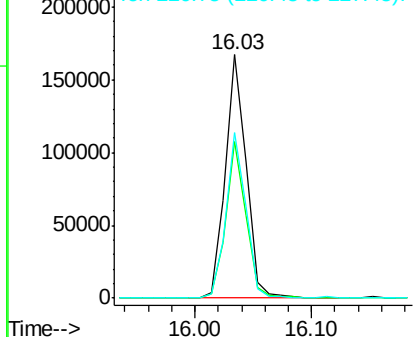


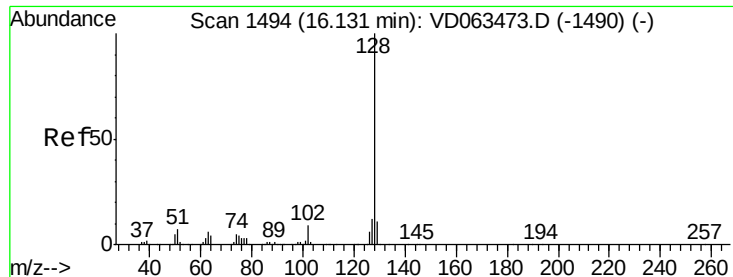
#94
 Hexachlorobutadiene
 Concen: 19.272 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063652.D
 Acq: 19 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.5
227	68.0	30.7	92.1



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

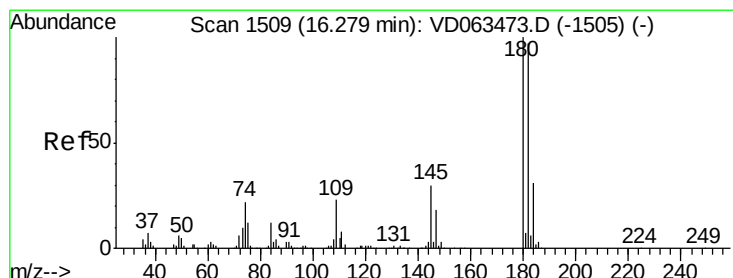
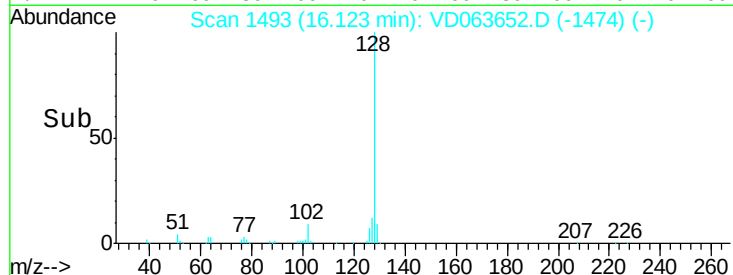
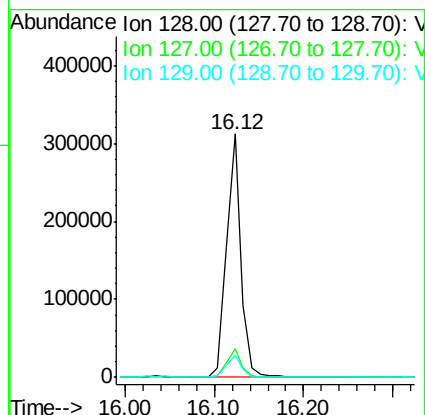
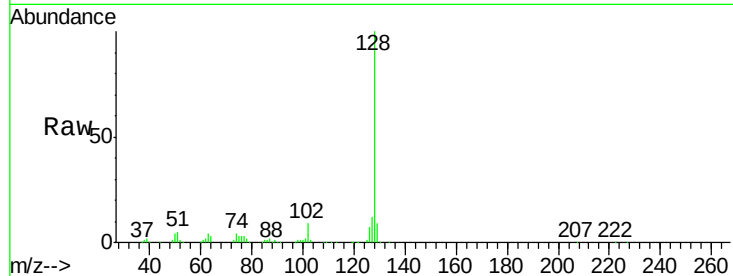




#95
Naphthalene
Concen: 16.935 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:128 Resp: 361278
Ion Ratio Lower Upper
128 100
127 11.7 9.4 14.0
129 9.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.402 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063652.D
Acq: 19 Aug 2019 12:47

Tgt Ion:180 Resp: 220591
Ion Ratio Lower Upper
180 100
182 98.6 48.4 145.2
145 30.1 14.9 44.9

