

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063708.D
 Acq On : 21 Aug 2019 13:02
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 01:24:46 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	7.05	168	1018288	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1409350	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1153657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	612737	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	570347	52.40	ug/l	-0.02
Spiked Amount			Recovery	=	104.80%	
35) Dibromofluoromethane	6.92	113	609225	51.33	ug/l	-0.02
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.41	98	1424591	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
62) 4-Bromofluorobenzene	13.55	95	578158	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	271345	22.026	ug/l	95
3) Chloromethane	1.74	50	201298	20.913	ug/l	94
4) Vinyl Chloride	1.84	62	214796	22.479	ug/l	98
5) Bromomethane	2.14	94	87310	19.365	ug/l	98
6) Chloroethane	2.24	64	90861	20.794	ug/l	94
7) Trichlorofluoromethane	2.52	101	394225	21.034	ug/l	96
8) Diethyl Ether	2.87	74	52833	19.965	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	221251	19.992	ug/l	95
10) Methyl Iodide	3.30	142	295378	18.863	ug/l	95
11) Tert butyl alcohol	4.09	59	55522	117.176	ug/l	98
12) 1,1-Dichloroethene	3.11	96	165090	20.064	ug/l	95
13) Acrolein	3.03	56	30306	64.978	ug/l	97
14) Allyl chloride	3.61	41	277050	22.398	ug/l	99
15) Acrylonitrile	4.19	53	137311	109.405	ug/l	87
16) Acetone	3.22	43	236592	106.927	ug/l	95
17) Carbon Disulfide	3.36	76	553797	21.326	ug/l	100
18) Methyl Acetate	3.64	43	90656	21.631	ug/l #	90
19) Methyl tert-butyl Ether	4.24	73	385961	23.455	ug/l	98
20) Methylene Chloride	3.81	84	196391	20.526	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	182252	21.049	ug/l	94
22) Diisopropyl ether	5.12	45	577749	22.635	ug/l	99
23) Vinyl Acetate	5.05	43	1739237	117.209	ug/l	99
24) 1,1-Dichloroethane	4.98	63	351110	22.179	ug/l	96
25) 2-Butanone	6.07	43	264661	121.110	ug/l	97
26) 2,2-Dichloropropane	6.02	77	381079	24.167	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	232535	24.546	ug/l	94
28) Bromochloromethane	6.44	49	127853	19.927	ug/l	96
29) Tetrahydrofuran	6.46	42	118752	116.619	ug/l	98
30) Chloroform	6.65	83	437637	22.240	ug/l	92
31) Cyclohexane	6.94	56	210412	21.409	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	420211	22.324	ug/l	98
36) 1,1-Dichloropropene	7.14	75	268461	21.548	ug/l	96
37) Ethyl Acetate	6.18	43	114622	21.955	ug/l	97
38) Carbon Tetrachloride	7.11	117	413602	22.027	ug/l	97

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	224398	21.181	ug/l	98
40) Benzene	7.45	78	612674	22.346	ug/l	99
41) Methacrylonitrile	6.45	41	160023	24.344	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	317627	23.039	ug/l	97
43) Isopropyl Acetate	9.24	43	169439	24.233	ug/l #	98
44) Trichloroethene	8.53	130	231404	22.081	ug/l	92
45) 1,2-Dichloropropane	8.94	63	148898	23.320	ug/l	94
46) Dibromomethane	9.05	93	125240	22.969	ug/l	92
47) Bromodichloromethane	9.37	83	315032	22.524	ug/l	94
48) Methyl methacrylate	9.12	41	112305	23.683	ug/l	98
49) 1,4-Dioxane	9.07	88	18491	450.614	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	551658	115.300	ug/l	96
52) Toluene	10.51	92	417884	23.663	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	263289	23.066	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	294194	22.858	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	134974	22.626	ug/l	96
56) Ethyl methacrylate	11.04	69	146034	22.554	ug/l	92
57) 1,3-Dichloropropane	11.41	76	204598	22.690	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	376667	110.193	ug/l	99
59) 2-Hexanone	11.54	43	421885	121.184	ug/l	94
60) Dibromochloromethane	11.68	129	237175	21.850	ug/l	94
61) 1,2-Dibromoethane	11.80	107	160868	22.276	ug/l	99
64) Tetrachloroethene	11.26	164	198228	22.258	ug/l	95
65) Chlorobenzene	12.40	112	500262	23.136	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	225425	23.689	ug/l	92
67) Ethyl Benzene	12.52	91	867519	23.075	ug/l	98
68) m/p-Xylenes	12.67	106	616389	46.666	ug/l	97
69) o-Xylene	13.05	106	277666	21.841	ug/l	98
70) Styrene	13.07	104	464764	20.553	ug/l	97
71) Bromoform	13.24	173	142335	21.814	ug/l	96
73) Isopropylbenzene	13.41	105	853140	21.890	ug/l	98
74) N-amyl acetate	13.27	43	222532	22.746	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	142860	22.084	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	176757	25.135	ug/l	97
77) Bromobenzene	13.67	156	230569	21.646	ug/l	85
78) n-propylbenzene	13.77	91	1032592	22.644	ug/l	91
79) 2-Chlorotoluene	13.84	91	614722	23.380	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	727974	21.378	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	42538	22.506	ug/l	84
82) 4-Chlorotoluene	13.95	91	687342	21.740	ug/l	99
83) tert-Butylbenzene	14.19	119	816179	22.761	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	770649	24.459	ug/l	92
85) sec-Butylbenzene	14.37	105	856546	22.493	ug/l	96
86) p-Isopropyltoluene	14.49	119	776632	21.330	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	437482	22.707	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	412779	22.331	ug/l	99
89) n-Butylbenzene	14.79	91	742327	22.338	ug/l	93
90) Hexachloroethane	15.01	117	210660	23.018	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	368404	22.537	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	27304	22.416	ug/l	65

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

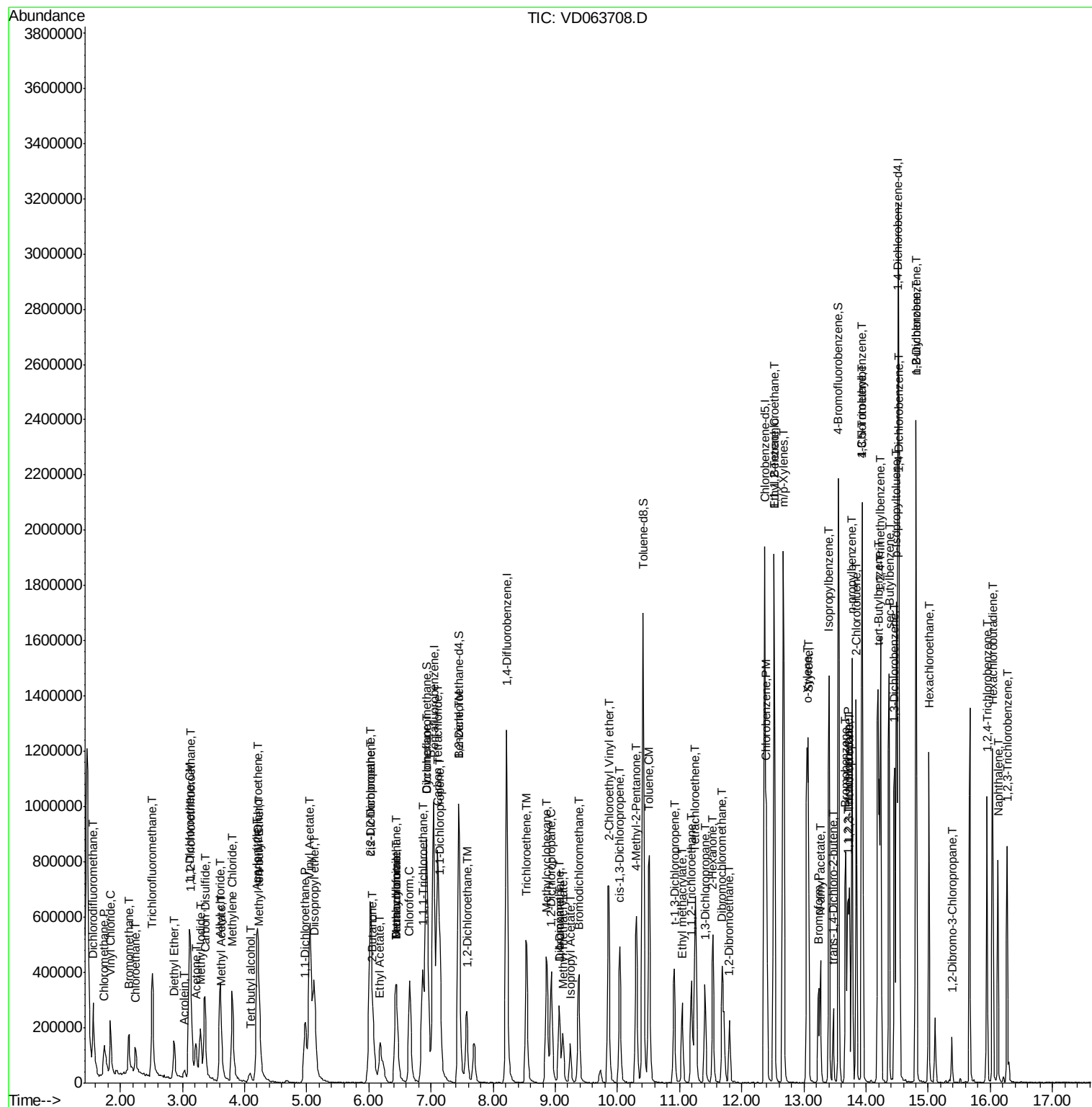
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	269829	22.433	ug/l	99
94) Hexachlorobutadiene	16.03	225	196953	21.485	ug/l	95
95) Naphthalene	16.12	128	453369	24.871	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	215604	22.193	ug/l	97

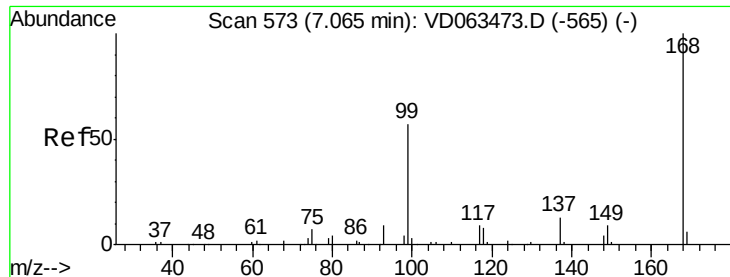
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082119\
Data File : VD063708.D
Acq On : 21 Aug 2019 13:02
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Sample : VD0821SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

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Client Sample Id :
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Quant Time: Aug 22 01:24:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

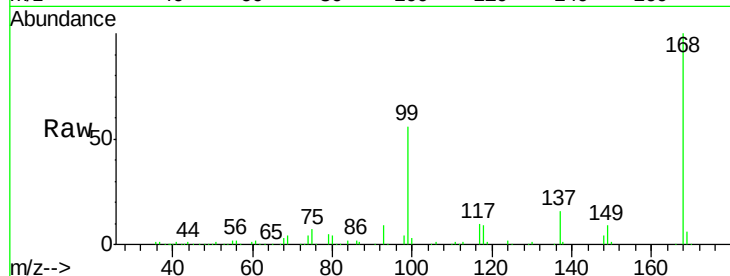
VD0821SBS01

Tot Ion:168 Resp: 1018288

Ion Ratio Lower Upper

168 100

99 56.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

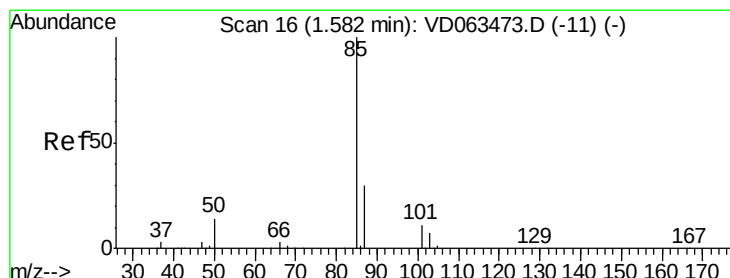
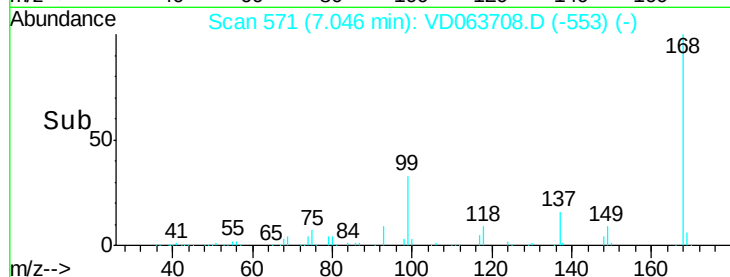
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 22.026 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063708.D

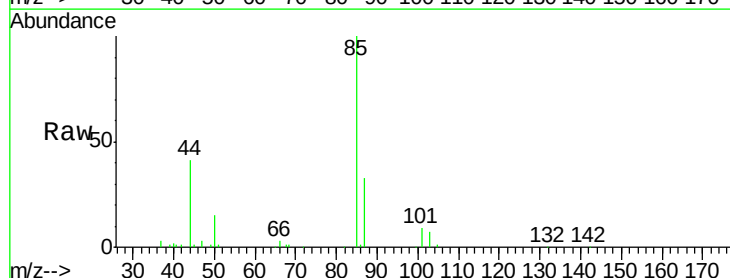
Acq: 21 Aug 2019 13:02

Tgt Ion: 85 Resp: 271345

Ion Ratio Lower Upper

85 100

87 32.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

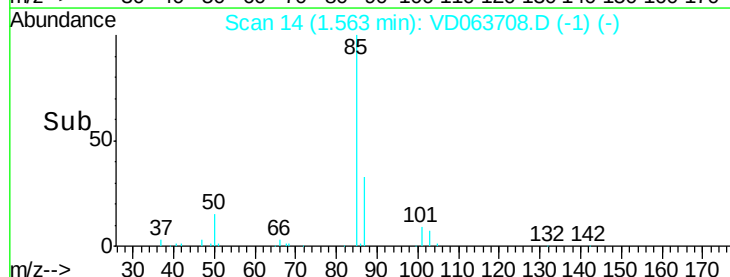
100000

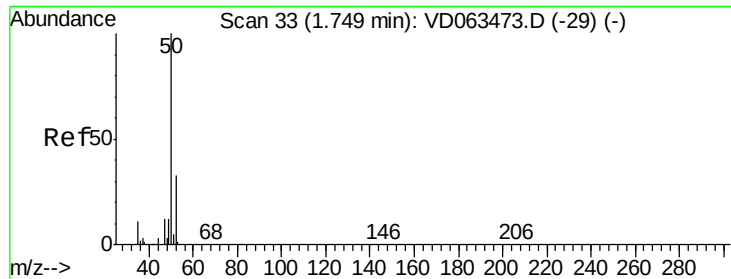
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.913 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

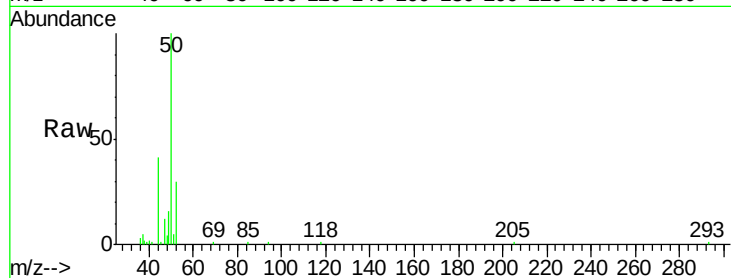
VD0821SBS01

Tot Ion: 50 Resp: 201298

Ion Ratio Lower Upper

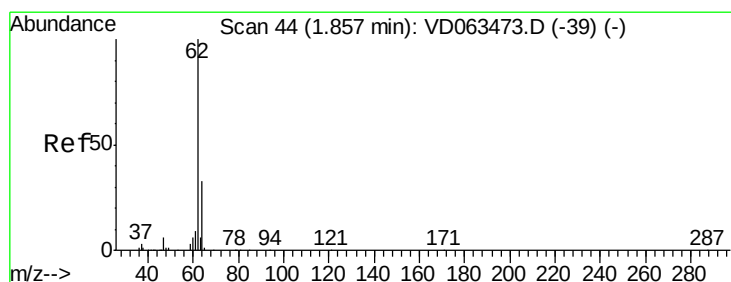
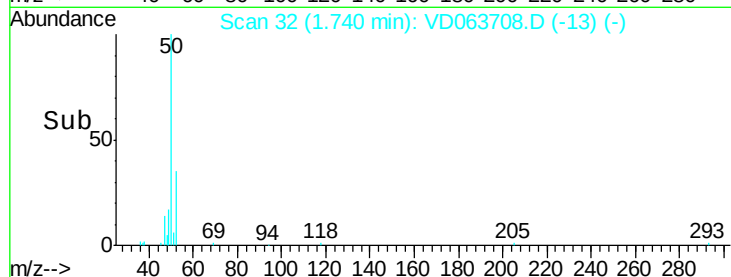
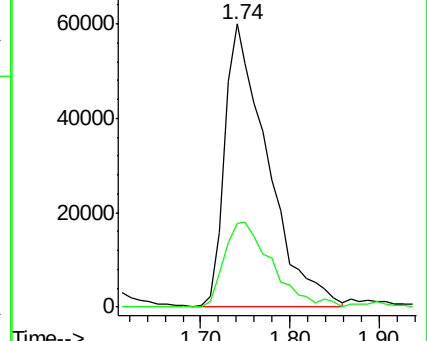
50 100

52 29.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.479 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063708.D

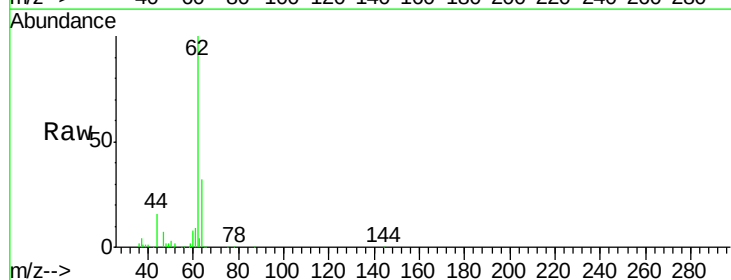
Acq: 21 Aug 2019 13:02

Tgt Ion: 62 Resp: 214796

Ion Ratio Lower Upper

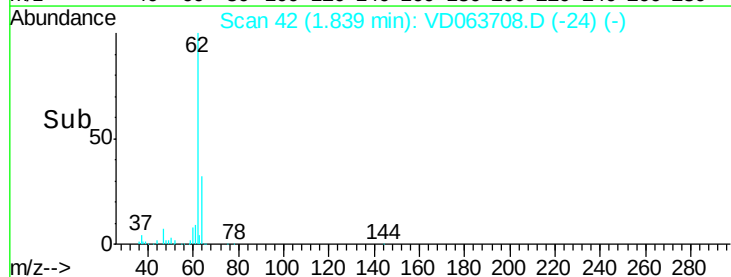
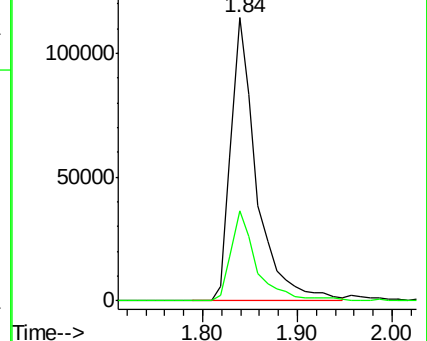
62 100

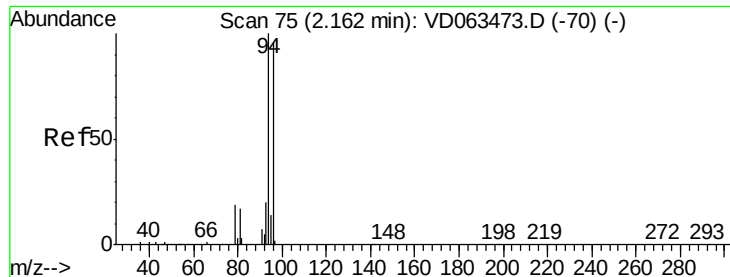
64 31.7 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.365 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

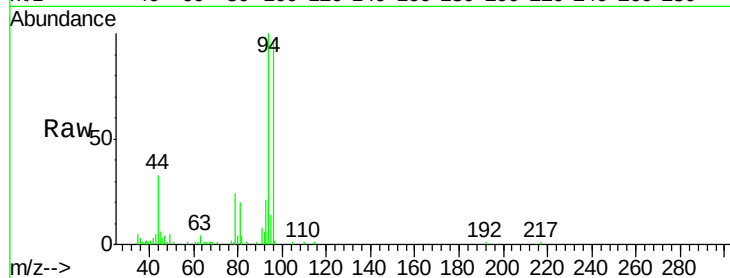
MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 94 Resp: 87310

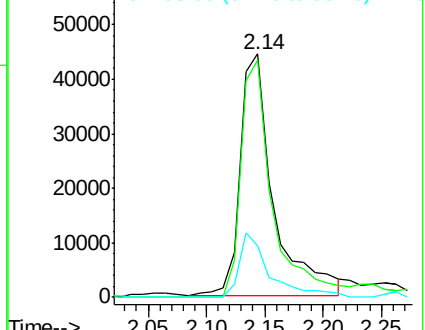
Ion	Ratio	Lower	Upper
94	100		
96	97.3	76.5	114.7
93	21.3	15.8	23.8



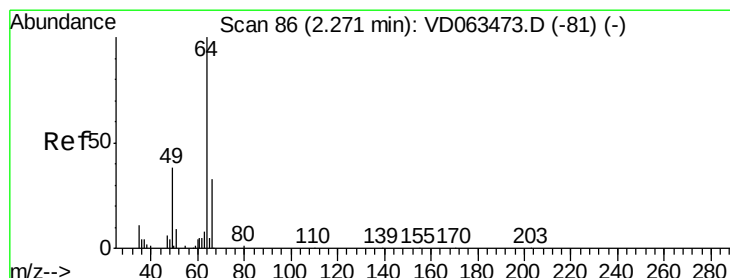
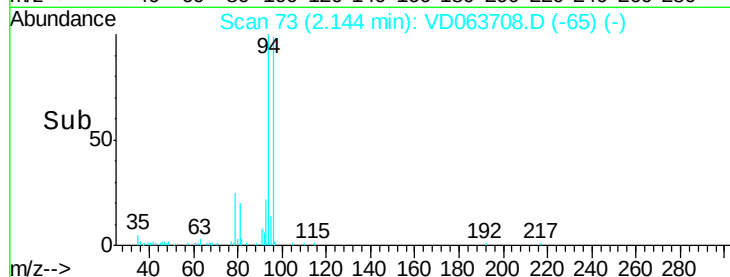
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 20.794 ug/l

RT: 2.24 min Scan# 83

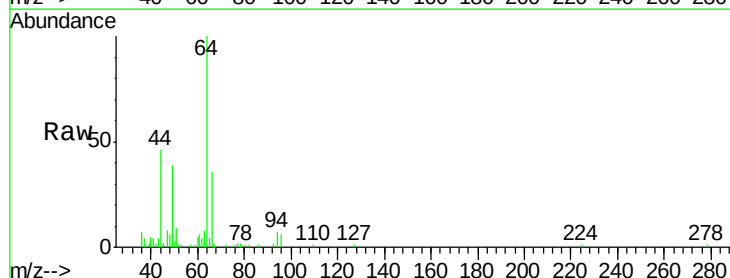
Delta R.T. -0.03 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

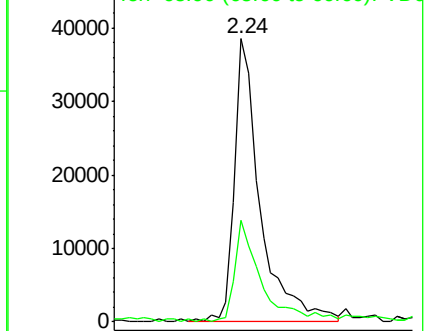
Tgt Ion: 64 Resp: 90861

Ion	Ratio	Lower	Upper
64	100		
66	36.0	26.3	39.5

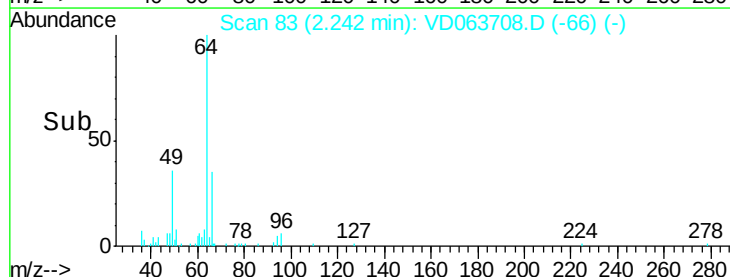


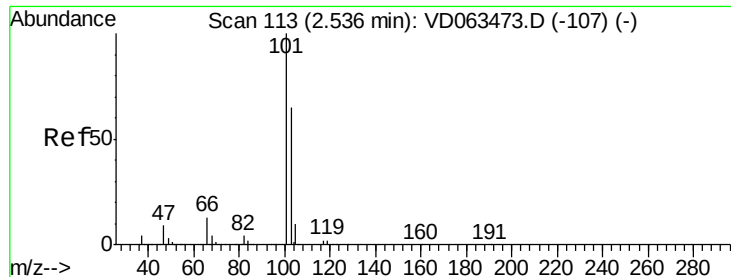
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



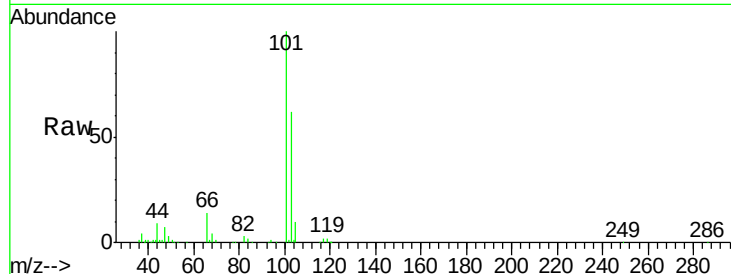


#7

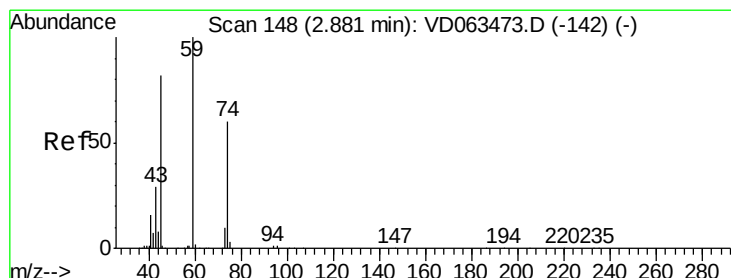
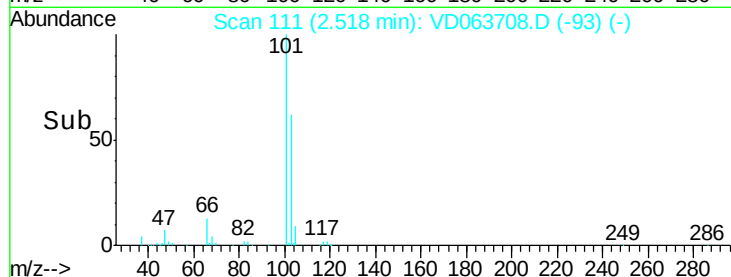
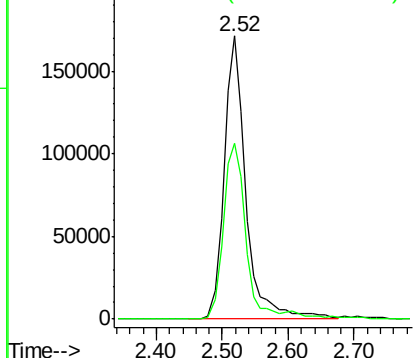
Trichlorofluoromethane
 Concen: 21.034 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

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Tot Ion:101 Resp: 394225
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.2 78.4



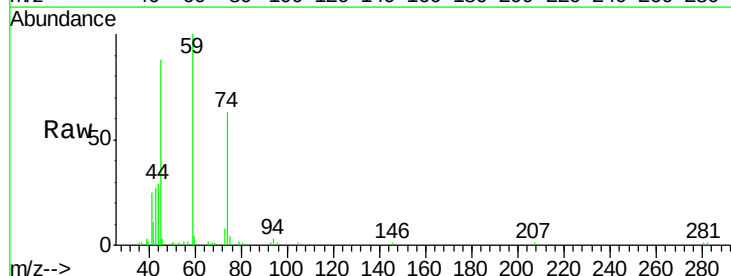
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



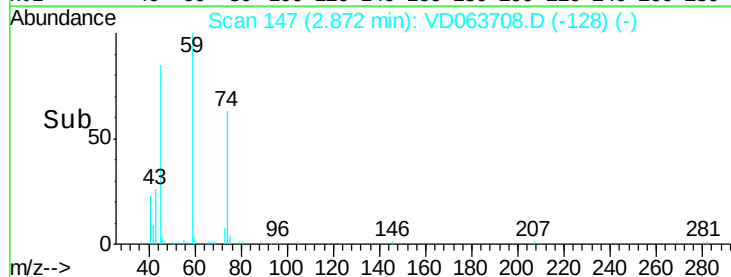
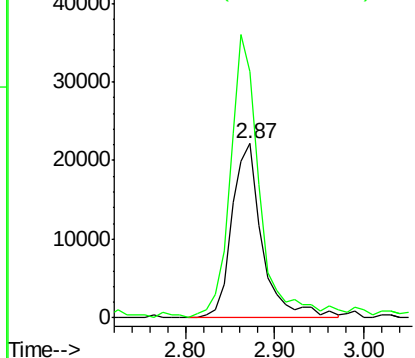
#8

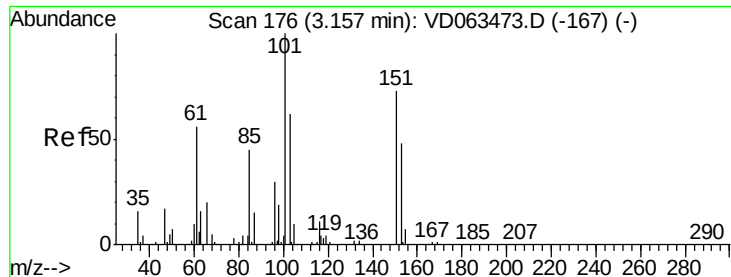
Diethyl Ether
 Concen: 19.965 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion: 74 Resp: 52833
 Ion Ratio Lower Upper
 74 100
 45 141.1 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: 19.992 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

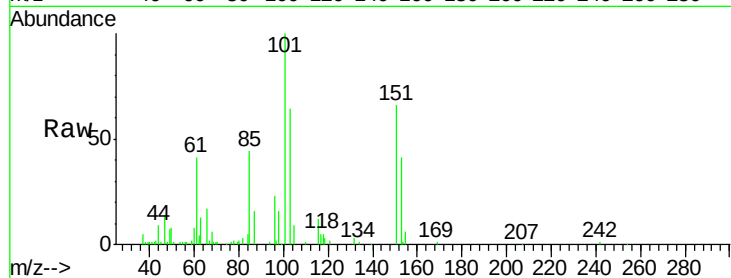
Tot Ion:101 Resp: 221251

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

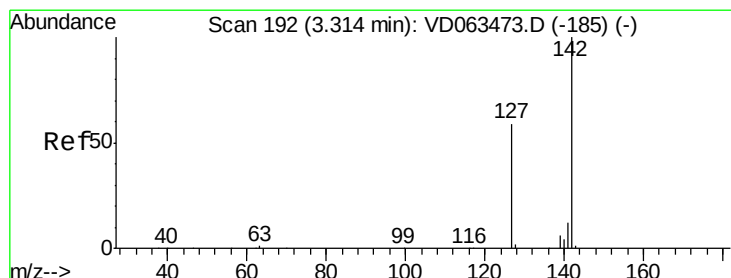
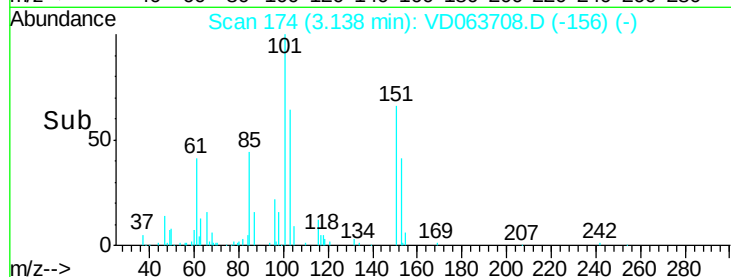
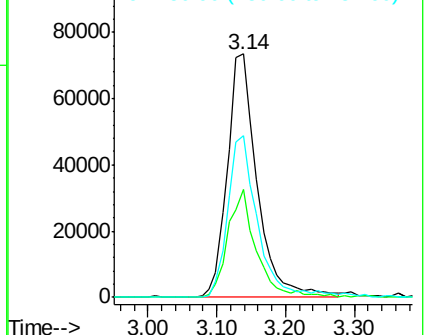
151 66.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.863 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

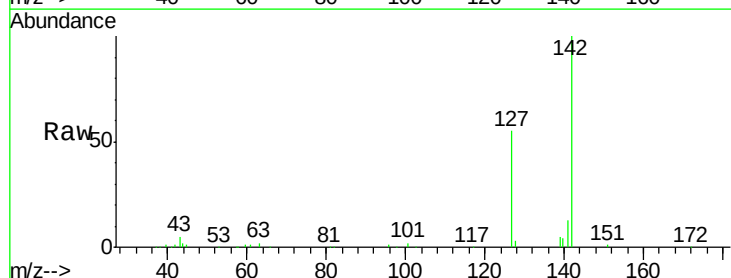
Tgt Ion:142 Resp: 295378

Ion Ratio Lower Upper

142 100

127 54.6 47.2 70.8

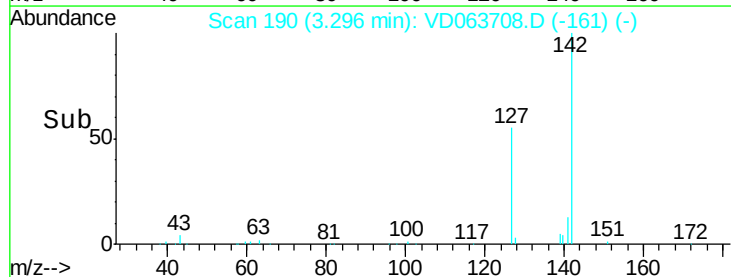
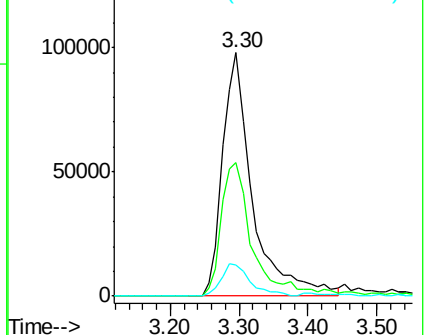
141 12.9 9.8 14.8

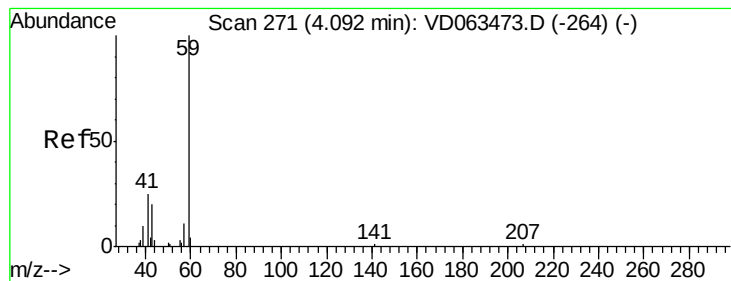


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 117.176 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

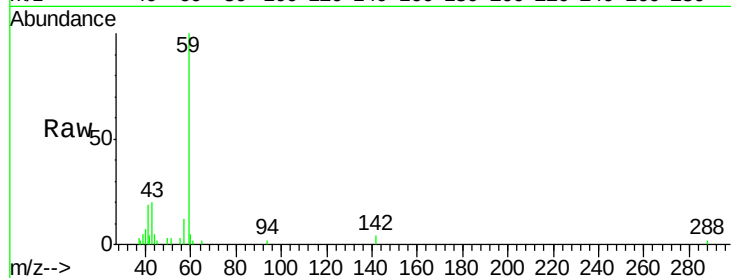
VD0821SBS01

Tot Ion: 59 Resp: 55522

Ion Ratio Lower Upper

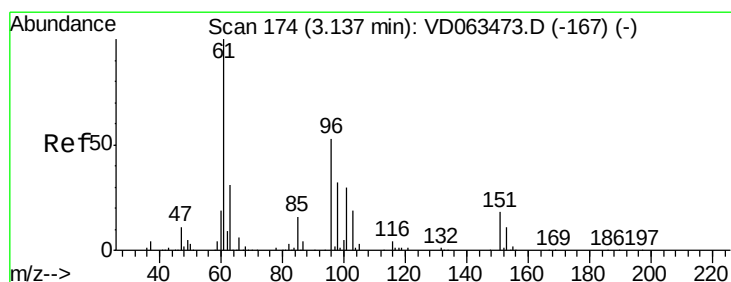
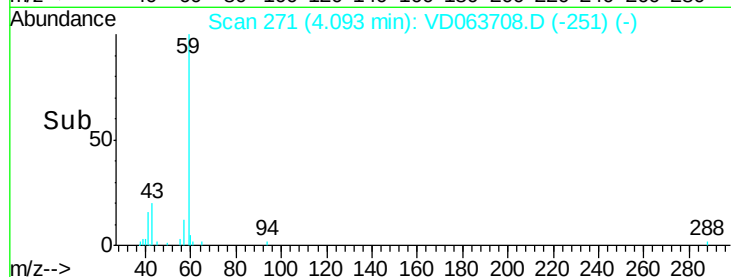
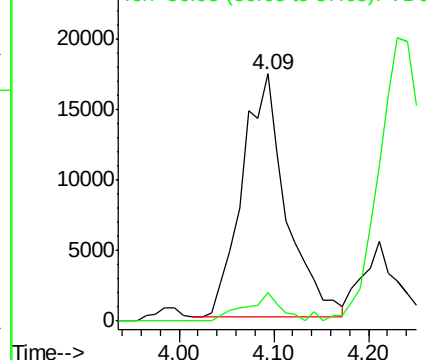
59 100

57 11.8 8.7 13.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.064 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

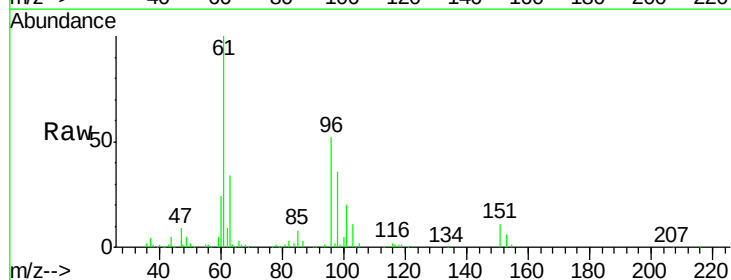
Tgt Ion: 96 Resp: 165090

Ion Ratio Lower Upper

96 100

61 193.3 151.7 227.5

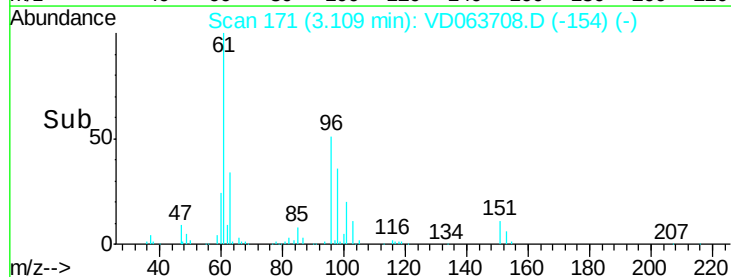
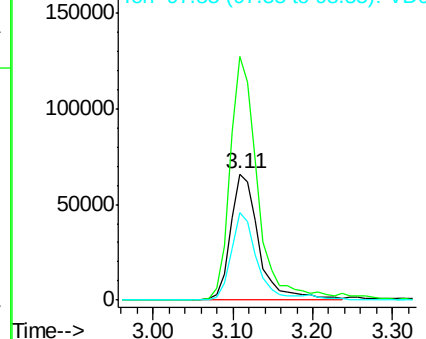
98 69.3 48.4 72.6

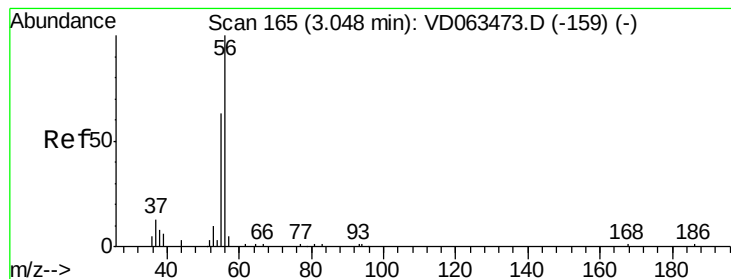


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 64.978 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

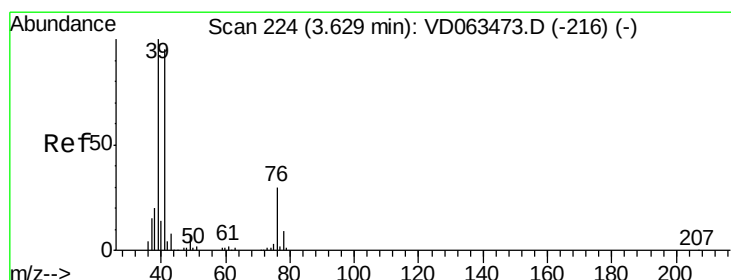
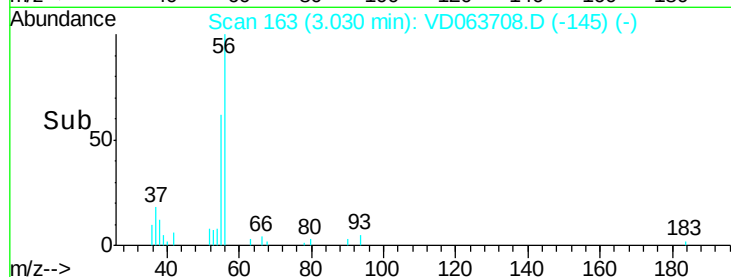
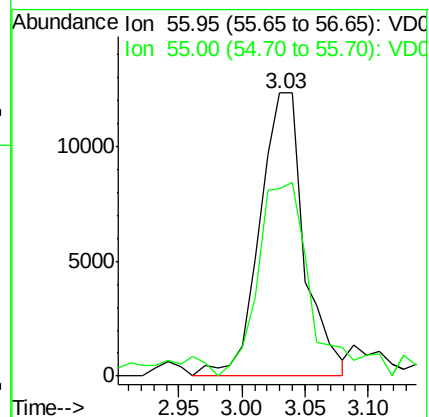
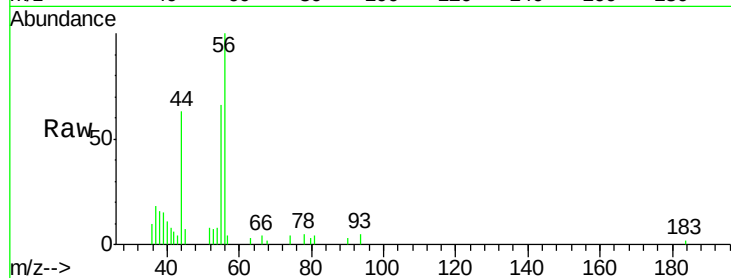
VD0821SBS01

Tot Ion: 56 Resp: 30306

Ion Ratio Lower Upper

56 100

55 66.2 51.3 76.9



#14

Allyl chloride

Concen: 22.398 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

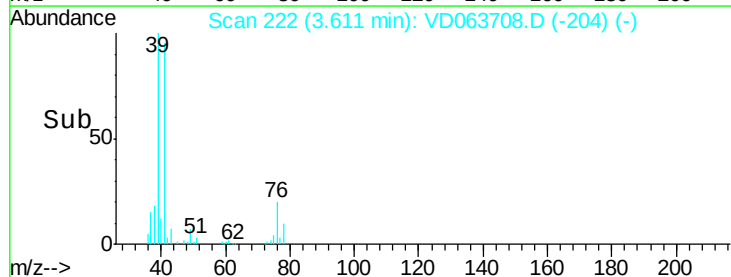
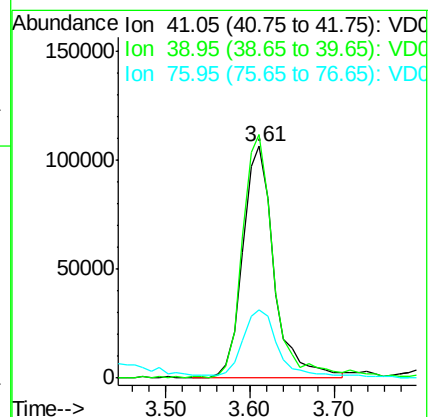
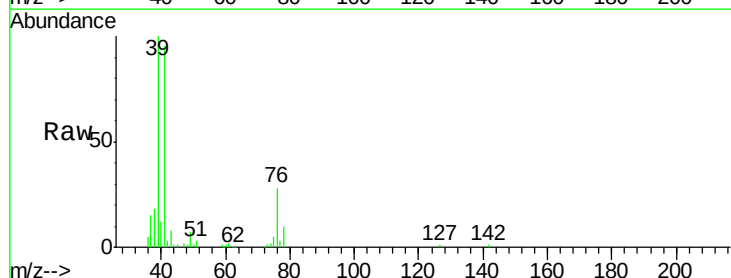
Tgt Ion: 41 Resp: 277050

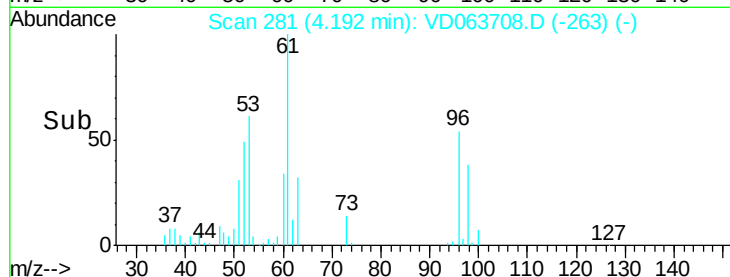
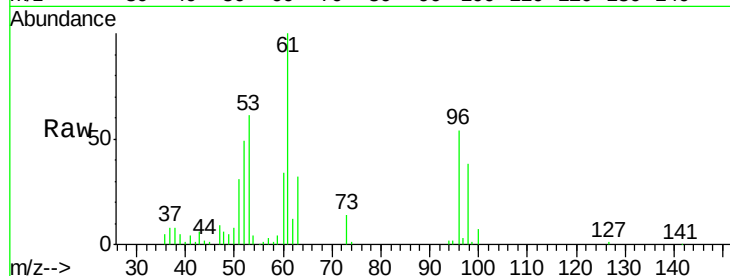
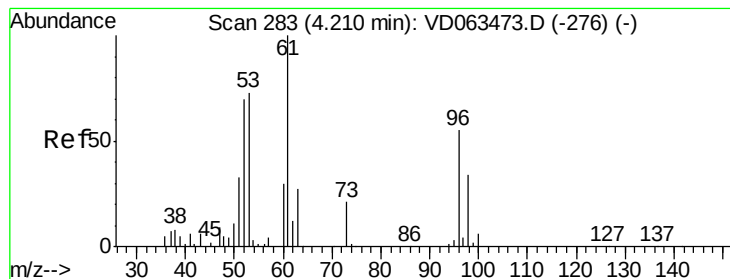
Ion Ratio Lower Upper

41 100

39 105.0 84.2 126.4

76 29.6 26.0 39.0





#15

Acrylonitrile

Concen: 109.405 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

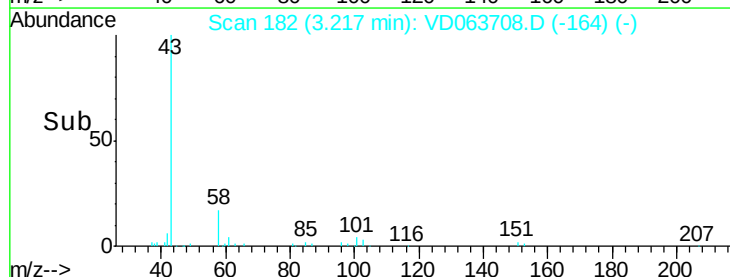
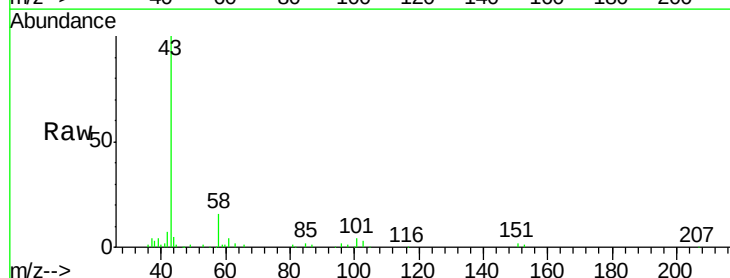
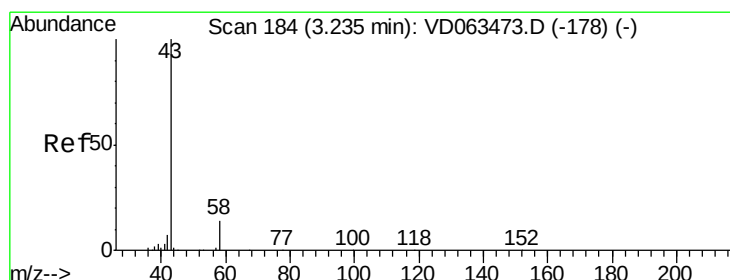
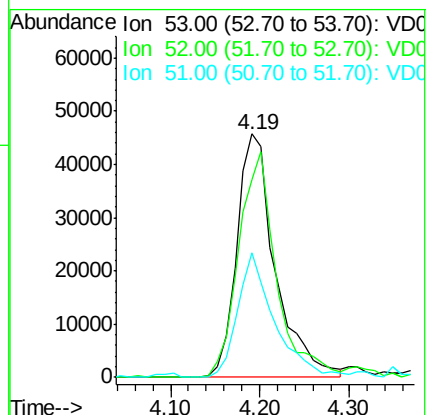
Tot Ion: 53 Resp: 137311

Ion Ratio Lower Upper

53 100

52 81.0 77.4 116.0

51 51.1 36.7 55.1



#16

Acetone

Concen: 106.927 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063708.D

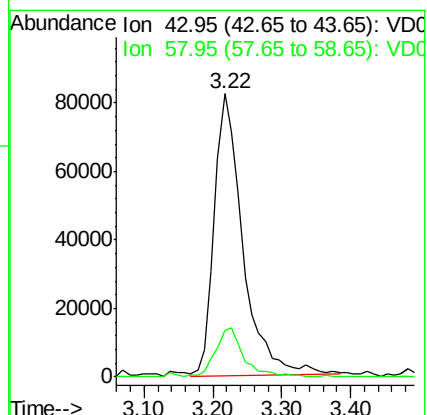
Acq: 21 Aug 2019 13:02

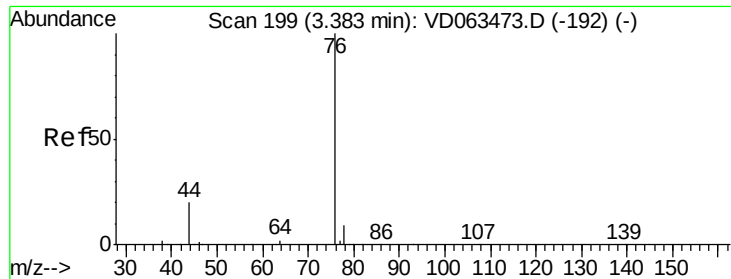
Tgt Ion: 43 Resp: 236592

Ion Ratio Lower Upper

43 100

58 16.4 11.4 17.2

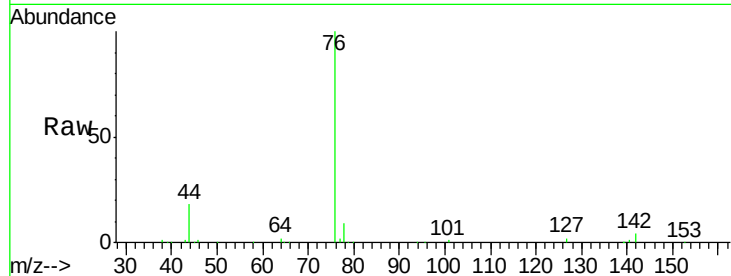




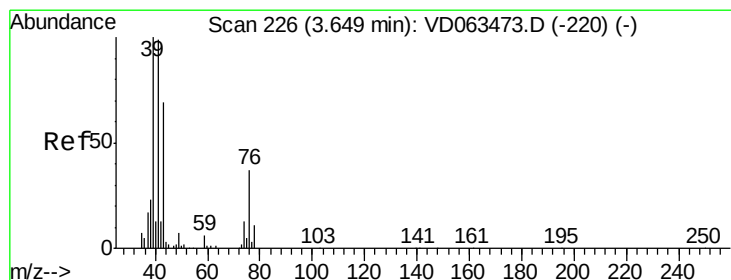
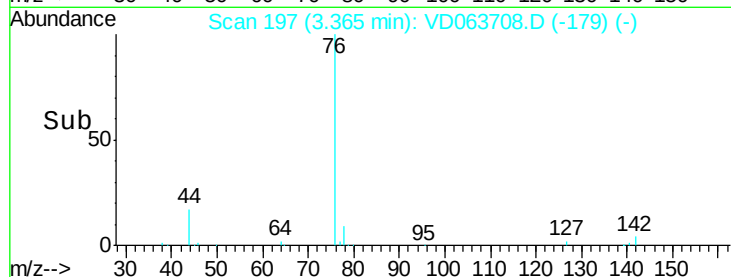
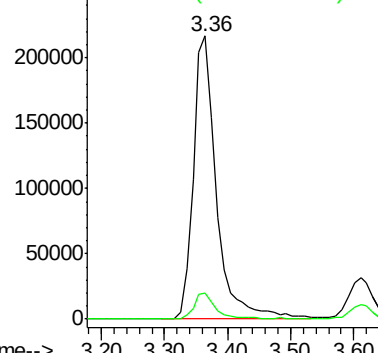
#17
Carbon Disulfide
Concen: 21.326 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 76 Resp: 553797
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

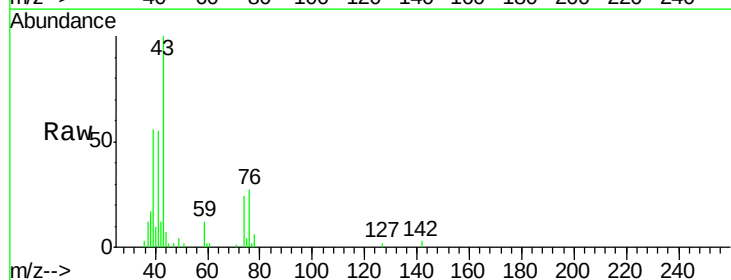


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

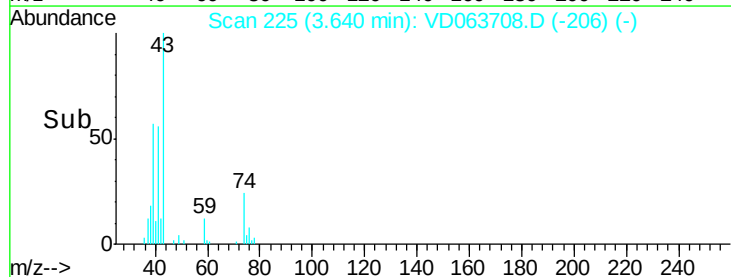
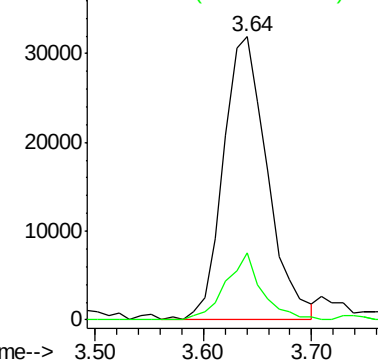


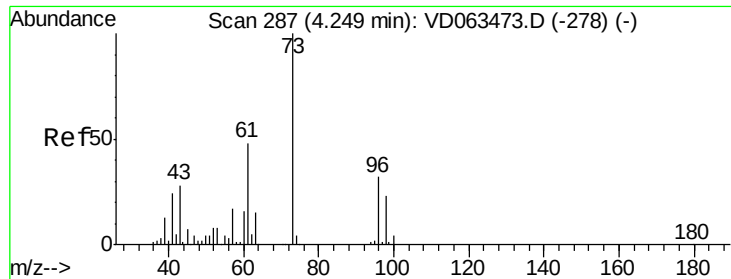
#18
Methyl Acetate
Concen: 21.631 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 43 Resp: 90656
Ion Ratio Lower Upper
43 100
74 23.7 15.4 23.2#



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

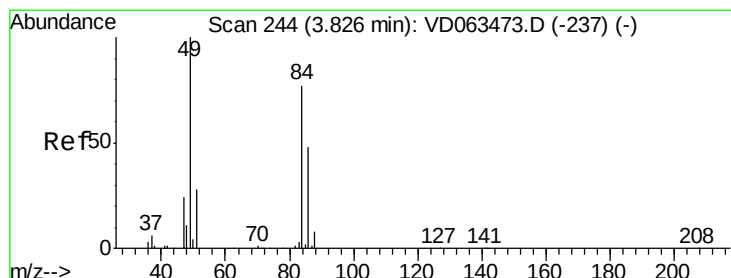
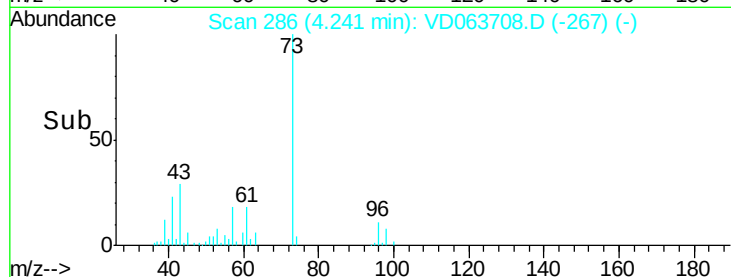
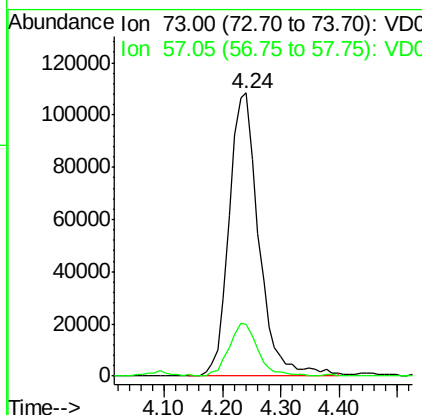
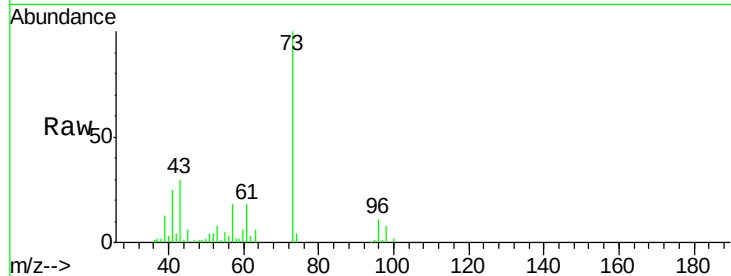




#19
Methyl tert-butyl Ether
Concen: 23.455 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

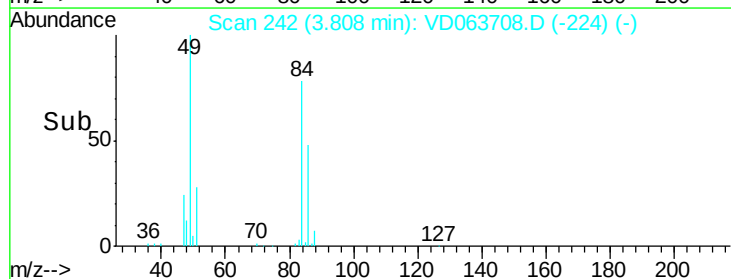
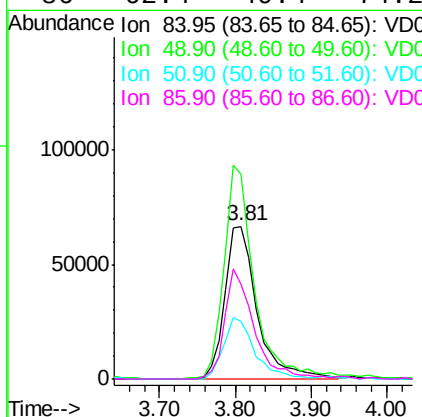
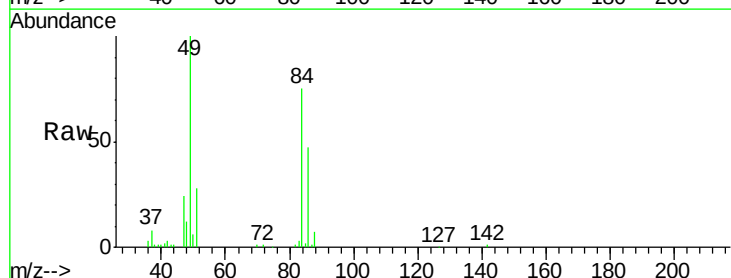
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

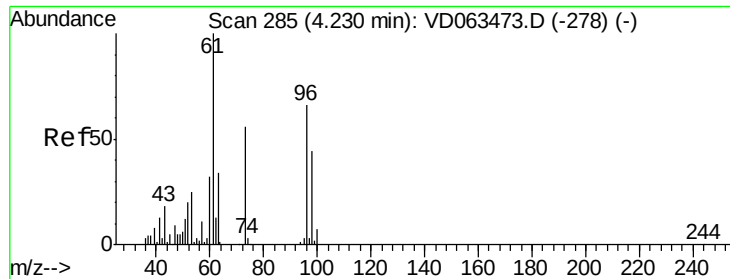
Tot Ion: 73 Resp: 385961
Ion Ratio Lower Upper
73 100
57 18.3 14.0 21.0



#20
Methylene Chloride
Concen: 20.526 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 84 Resp: 196391
Ion Ratio Lower Upper
84 100
49 134.1 103.4 155.2
51 37.8 28.5 42.7
86 62.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.049 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

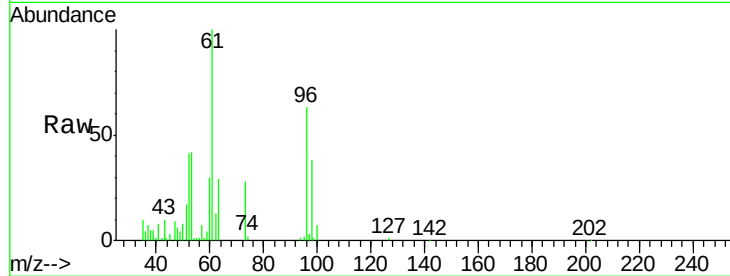
Tot Ion: 96 Resp: 182252

Ion Ratio Lower Upper

96 100

61 158.1 121.7 182.5

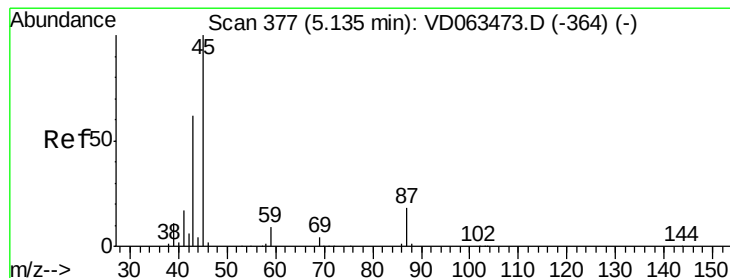
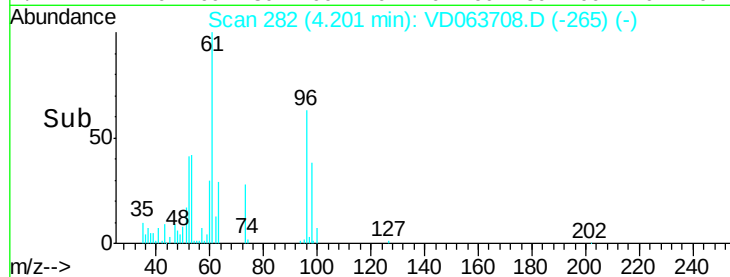
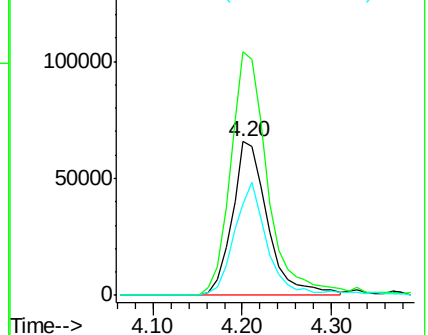
98 59.6 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.635 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Tgt Ion: 45 Resp: 577749

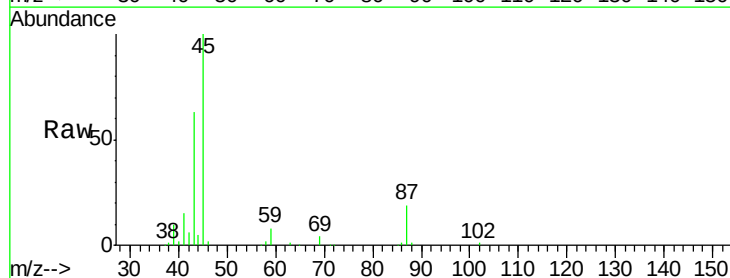
Ion Ratio Lower Upper

45 100

43 63.5 50.3 75.5

87 18.6 14.3 21.5

59 7.9 7.7 11.5

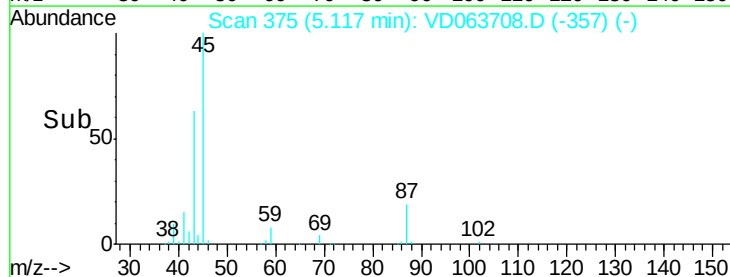
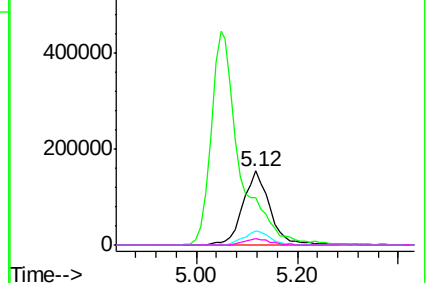


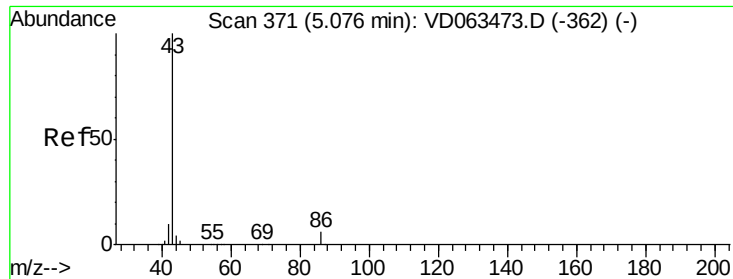
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 117.209 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

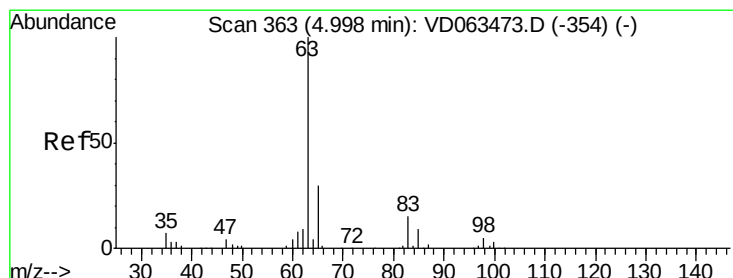
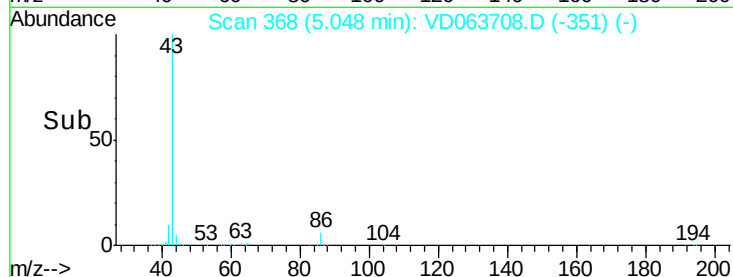
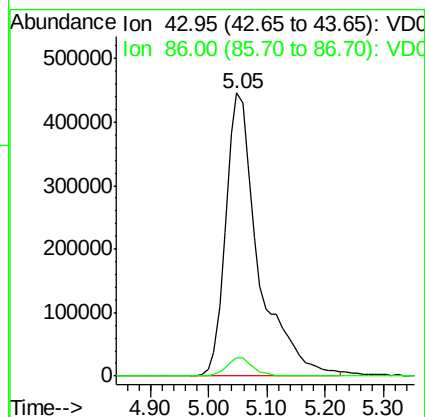
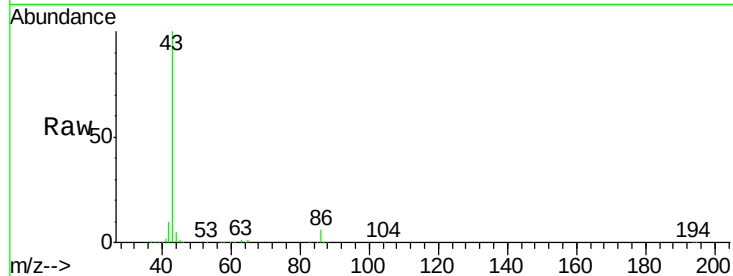
VD0821SBS01

Tot Ion: 43 Resp: 1739237

Ion Ratio Lower Upper

43 100

86 6.4 4.8 7.2



#24

1,1-Dichloroethane

Concen: 22.179 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

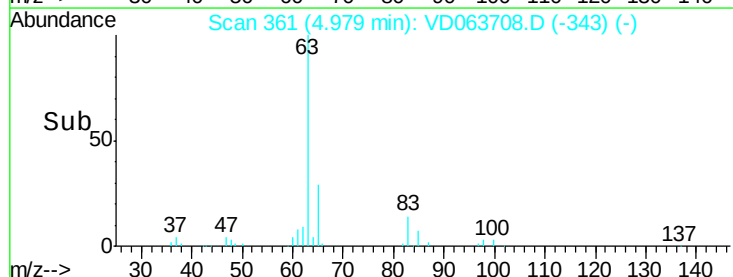
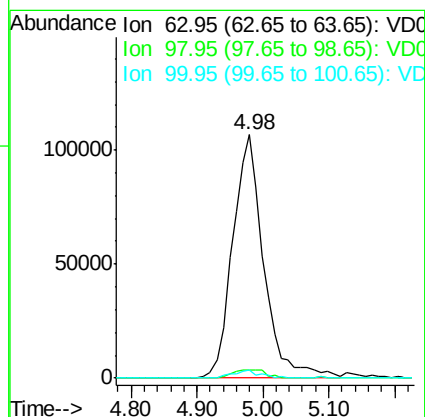
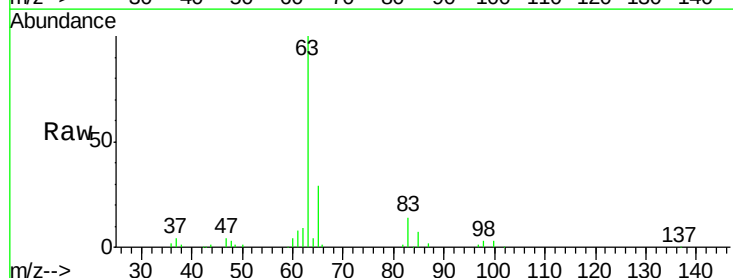
Tgt Ion: 63 Resp: 351110

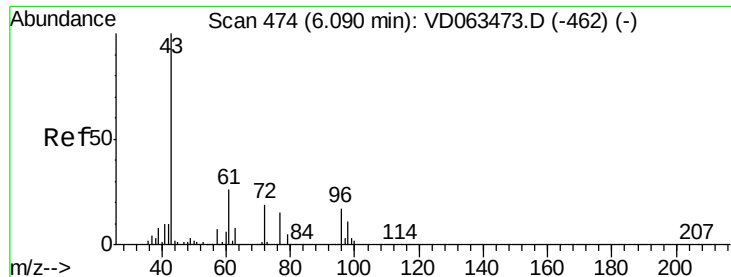
Ion Ratio Lower Upper

63 100

98 3.3 2.4 7.2

100 3.1 1.3 3.8





#25

2-Butanone

Concen: 121.110 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

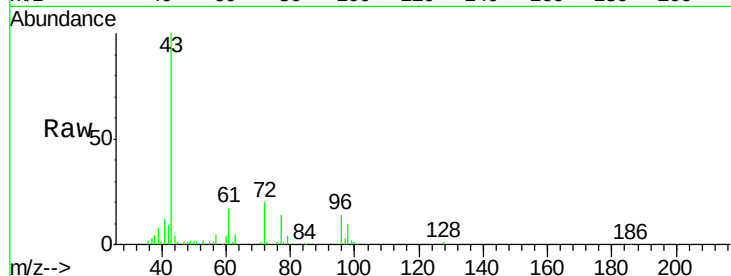
VD0821SBS01

Tot Ion: 43 Resp: 264661

Ion Ratio Lower Upper

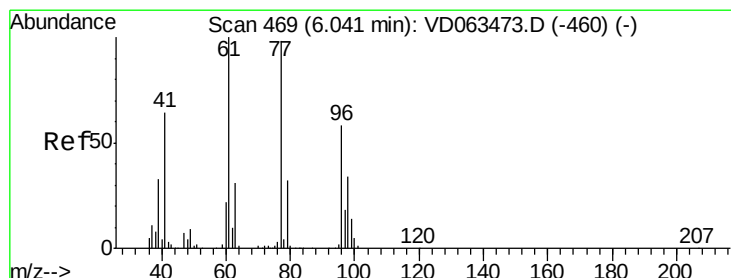
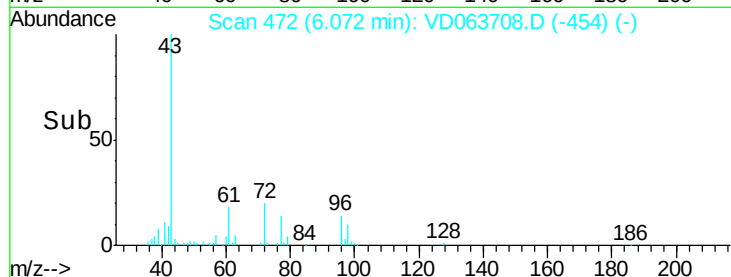
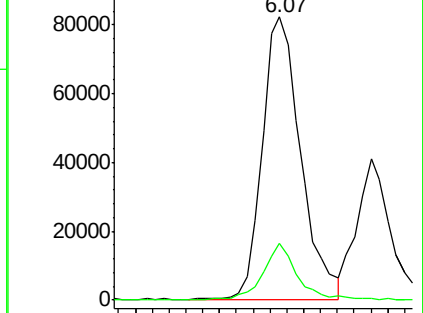
43 100

72 20.2 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: 24.167 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063708.D

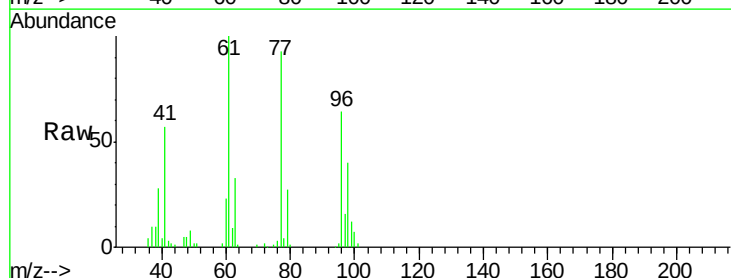
Acq: 21 Aug 2019 13:02

Tgt Ion: 77 Resp: 381079

Ion Ratio Lower Upper

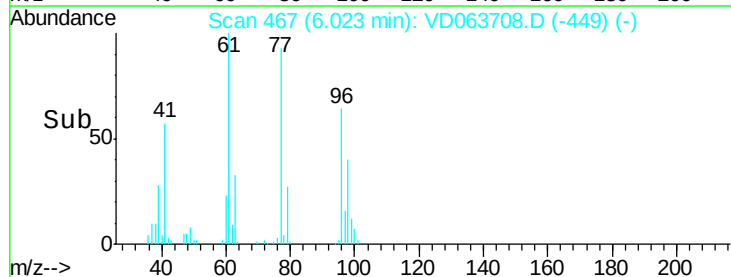
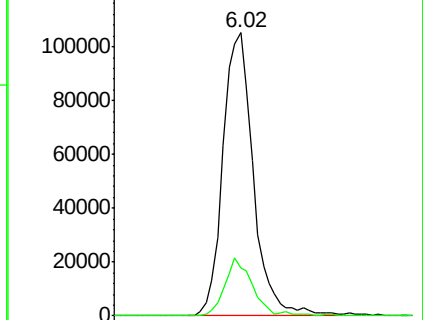
77 100

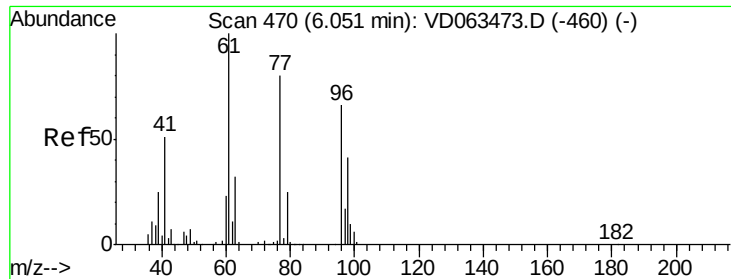
97 16.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 24.546 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

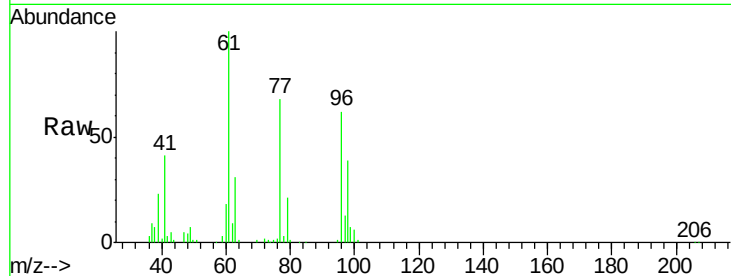
Tot Ion: 96 Resp: 232535

Ion Ratio Lower Upper

96 100

61 161.9 0.0 304.0

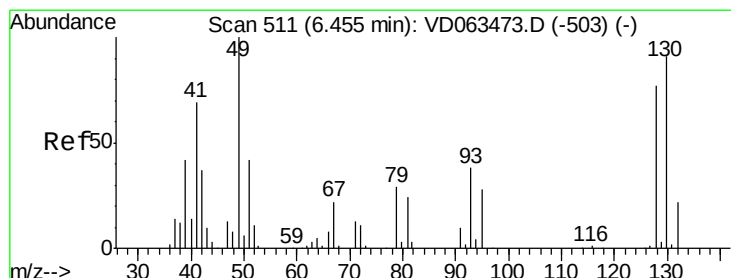
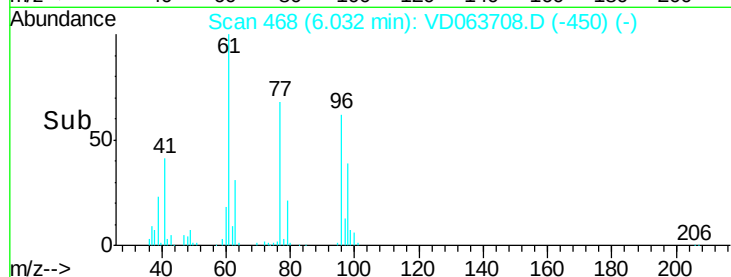
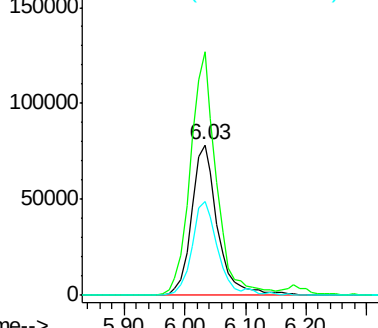
98 62.6 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 19.927 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

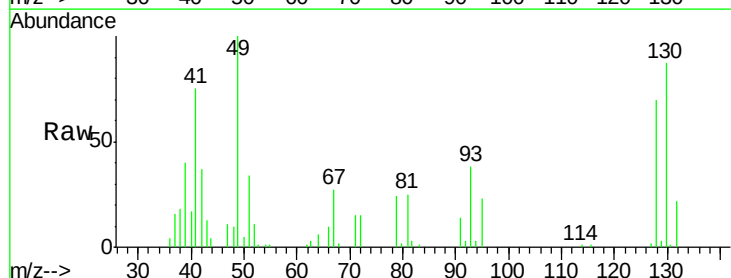
Tgt Ion: 49 Resp: 127853

Ion Ratio Lower Upper

49 100

129 3.0 0.0 6.4

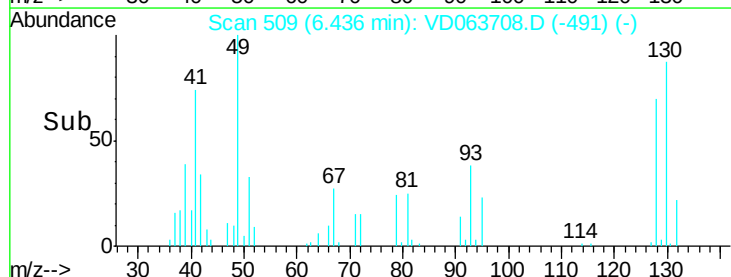
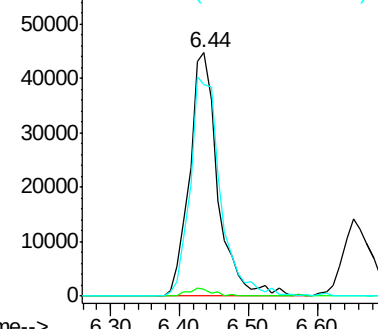
130 86.8 72.4 108.6

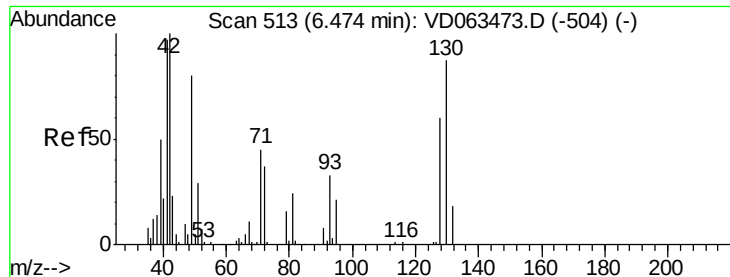


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

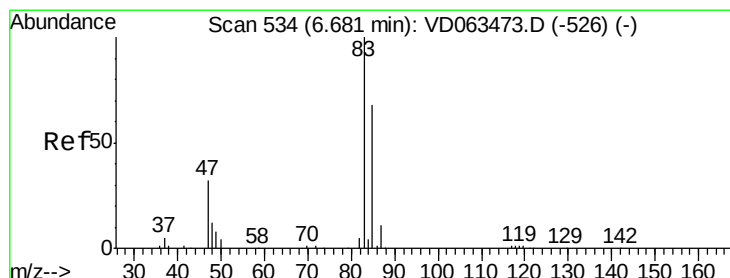
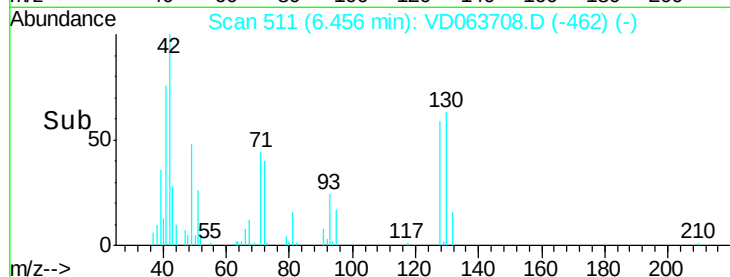
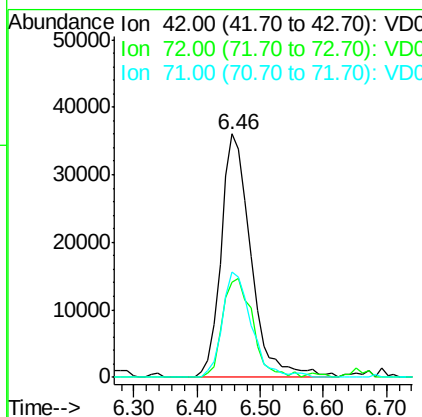
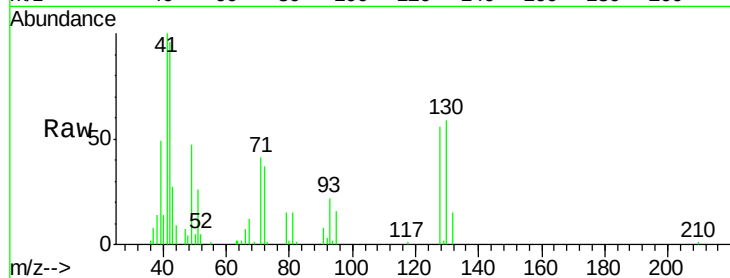




#29
Tetrahydrofuran
Concen: 116.619 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

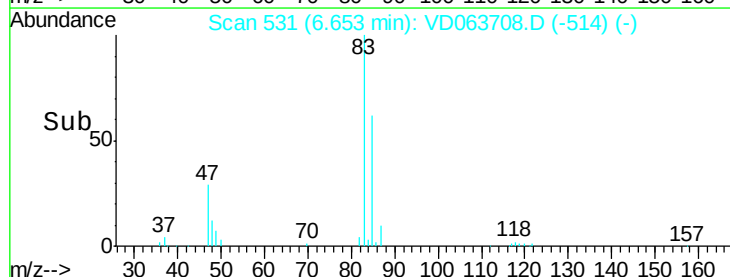
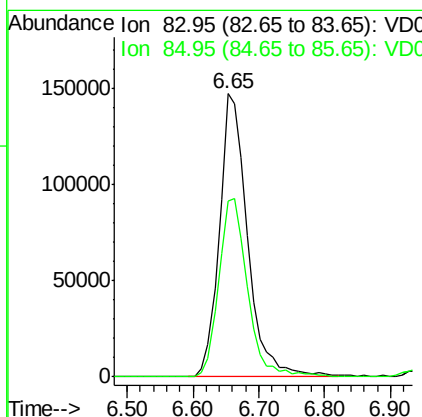
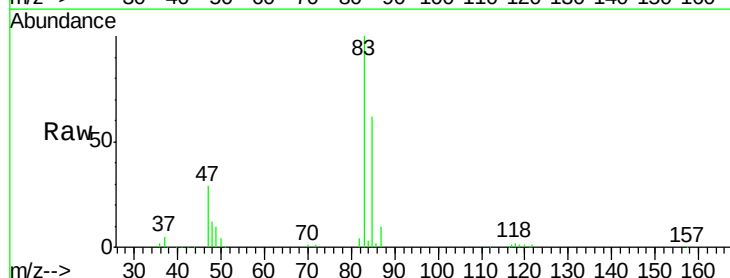
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

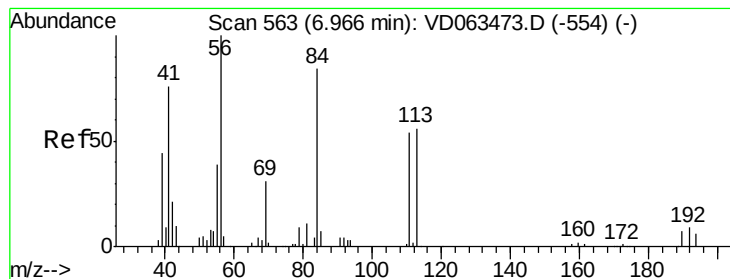
Tot Ion: 42 Resp: 118752
Ion Ratio Lower Upper
42 100
72 40.9 31.5 47.3
71 41.1 33.8 50.8



#30
Chloroform
Concen: 22.240 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 83 Resp: 437637
Ion Ratio Lower Upper
83 100
85 62.1 54.8 82.2





#31

Cyclohexane

Concen: 21.409 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

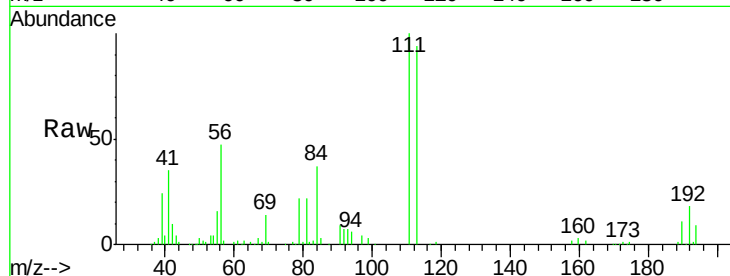
Tot Ion: 56 Resp: 210412

Ion Ratio Lower Upper

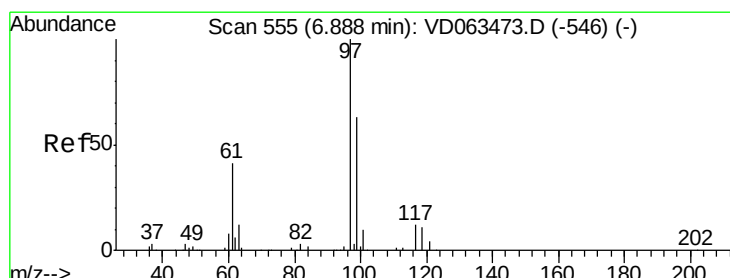
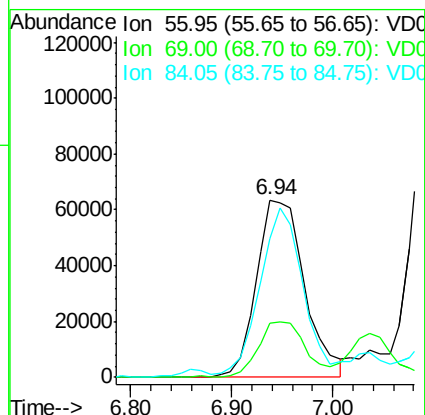
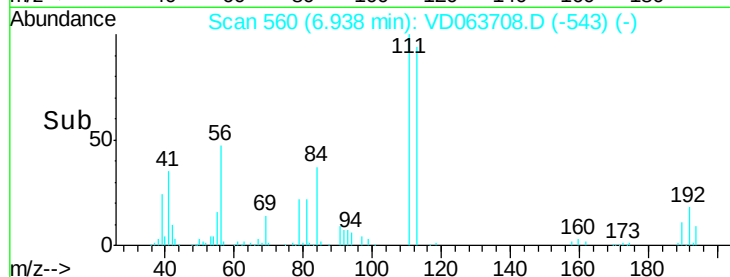
56 100

69 30.2 25.0 37.6

84 78.6 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 22.324 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

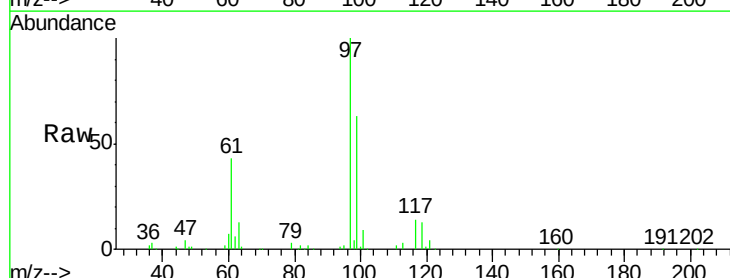
Tgt Ion: 97 Resp: 420211

Ion Ratio Lower Upper

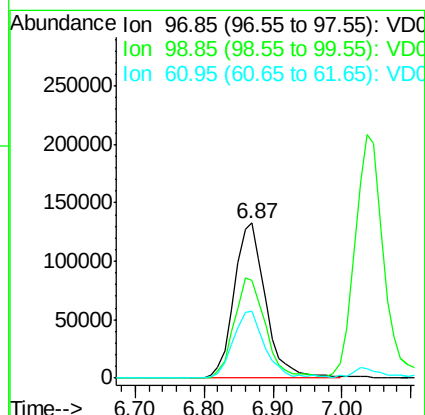
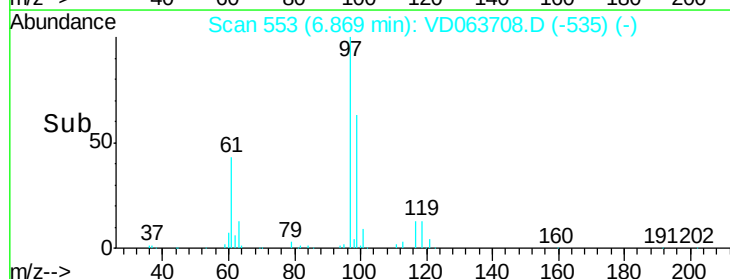
97 100

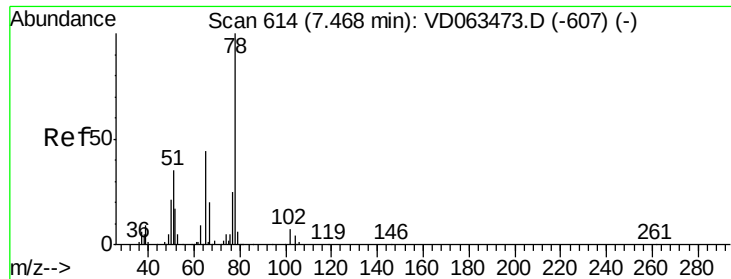
99 63.4 50.2 75.4

61 43.5 33.1 49.7



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

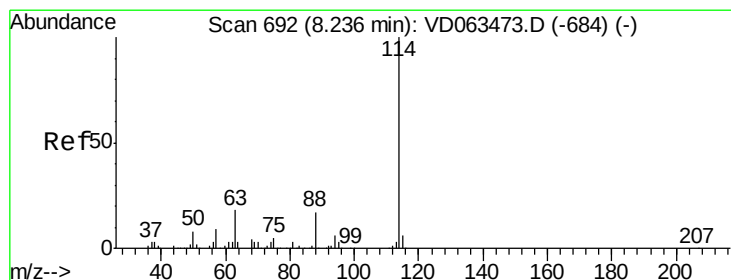
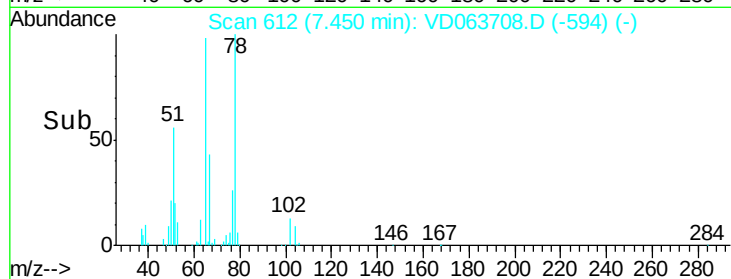
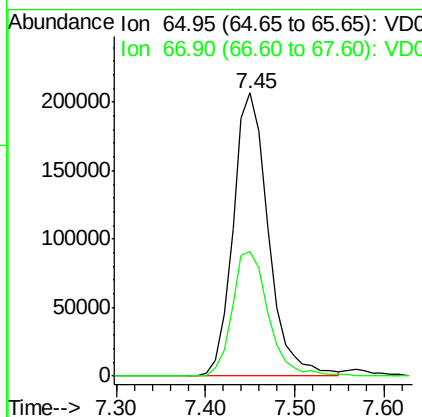
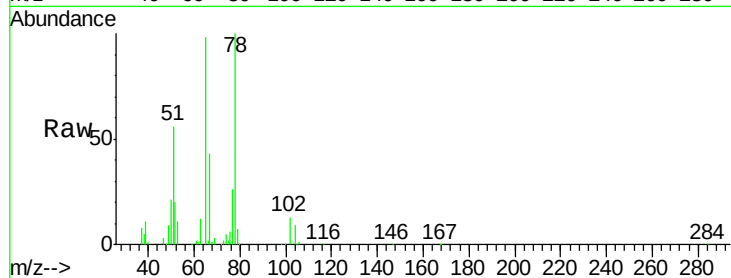




#33
 1,2-Dichloroethane-d4
 Concen: 52.399 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

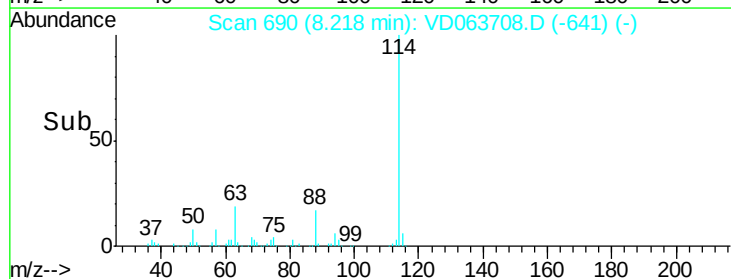
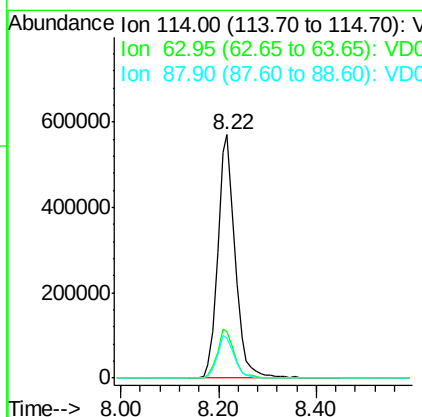
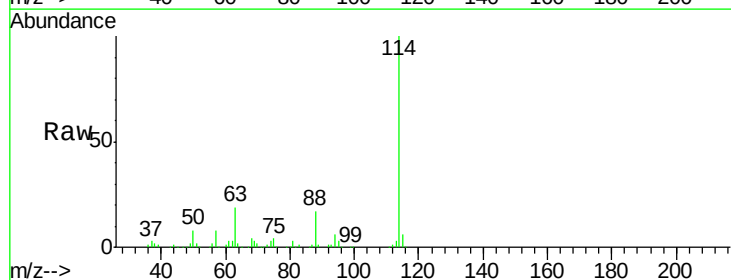
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

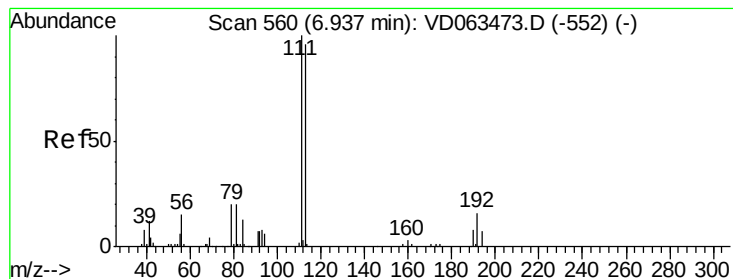
Tot Ion: 65 Resp: 570347
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion: 114 Resp: 1409350
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 16.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 51.326 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

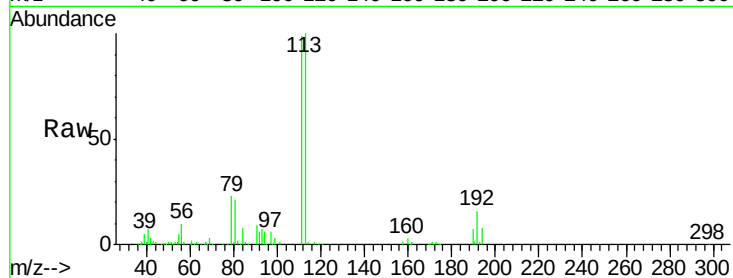
Tot Ion:113 Resp: 609225

Ion Ratio Lower Upper

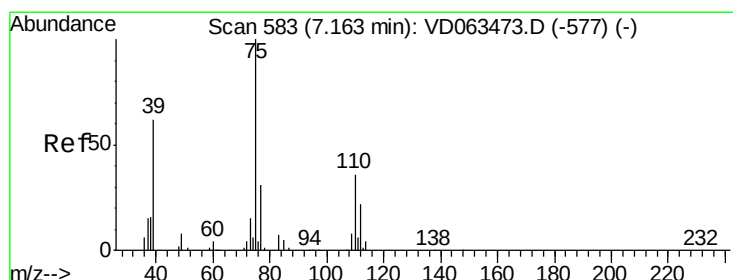
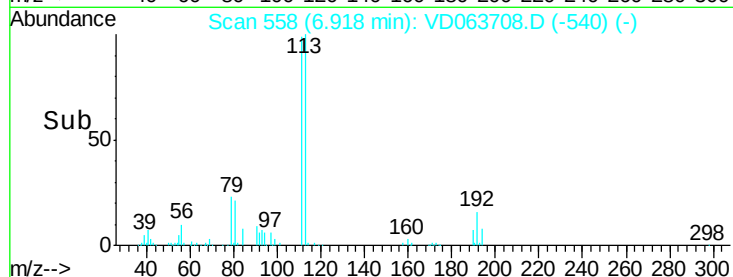
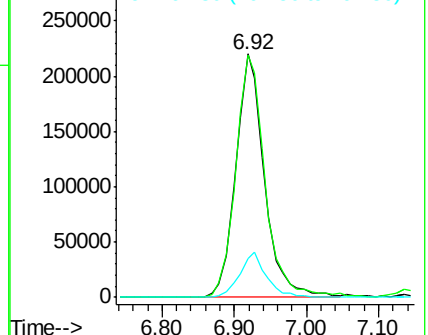
113 100

111 99.4 83.1 124.7

192 16.0 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: 21.548 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

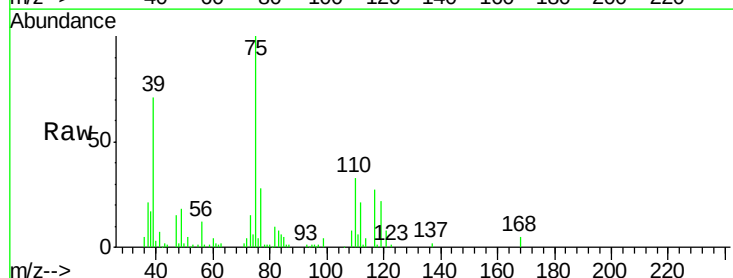
Tgt Ion: 75 Resp: 268461

Ion Ratio Lower Upper

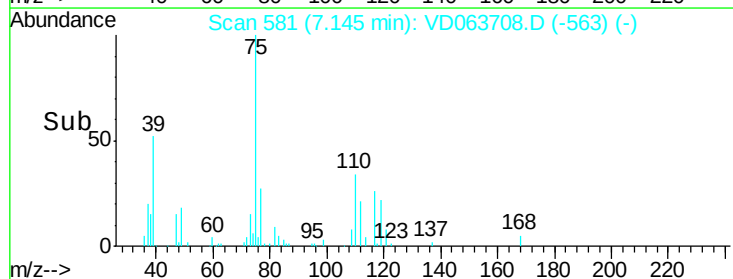
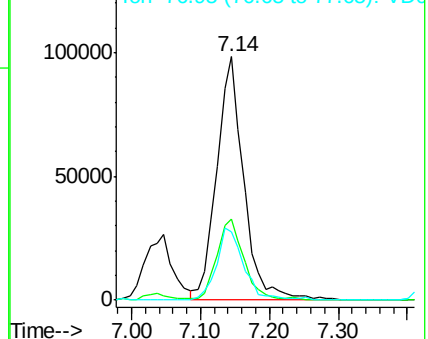
75 100

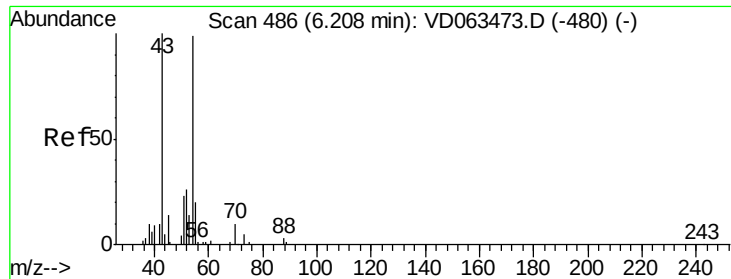
110 33.4 17.6 52.8

77 27.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



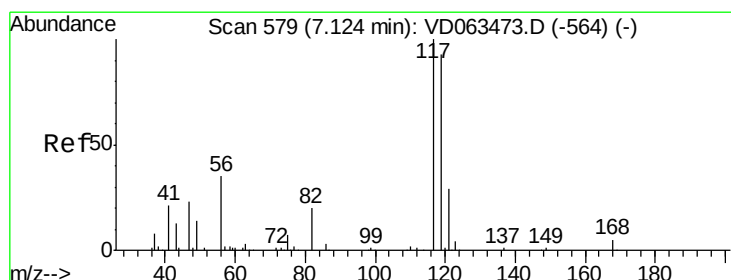
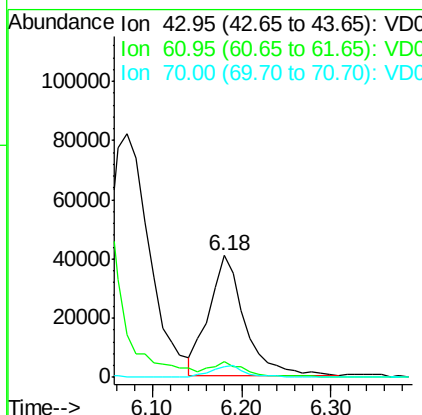
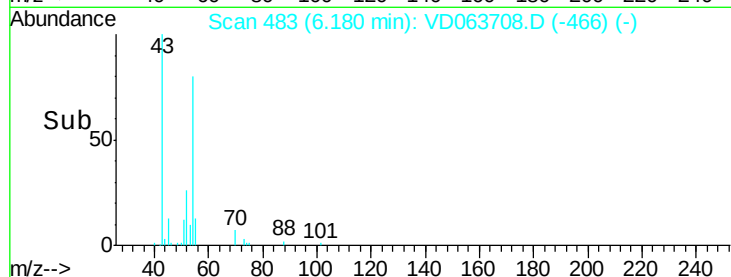
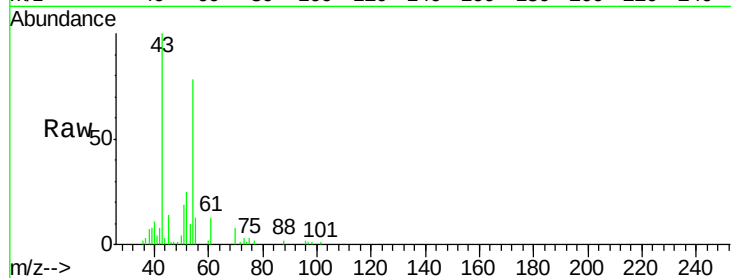


#37
Ethyl Acetate
Concen: 21.955 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 43 Resp: 114622

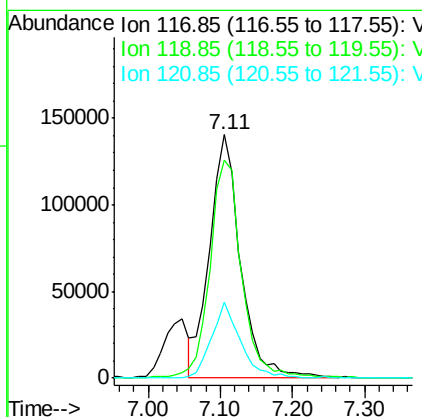
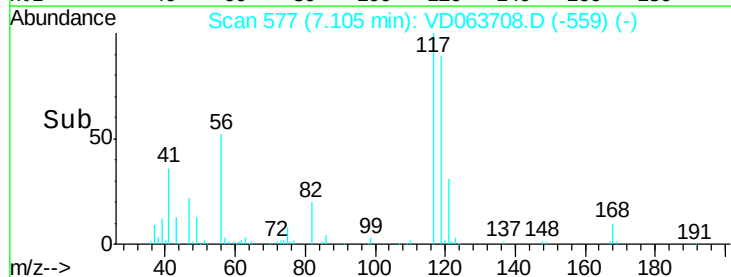
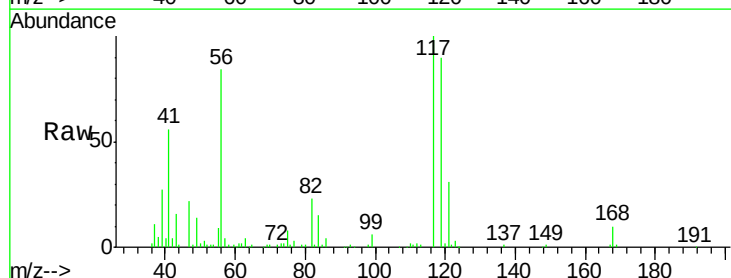
Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.0	13.6
70	8.4	6.9	10.3

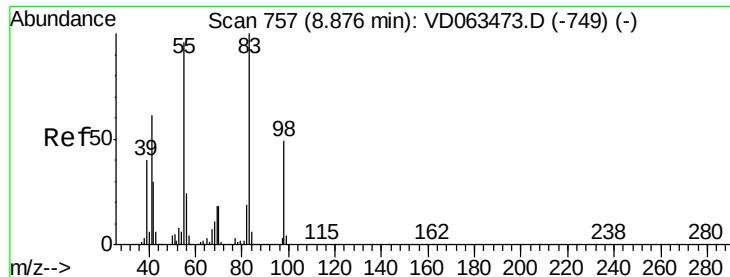


#38
Carbon Tetrachloride
Concen: 22.027 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 117 Resp: 413602

Ion	Ratio	Lower	Upper
117	100		
119	89.7	74.2	111.2
121	31.1	23.1	34.7

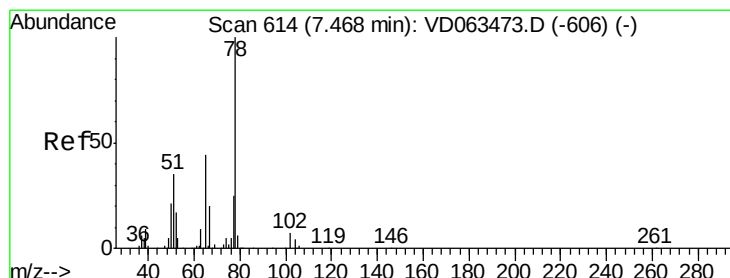
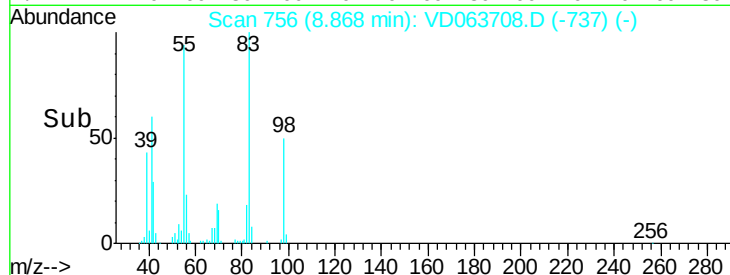
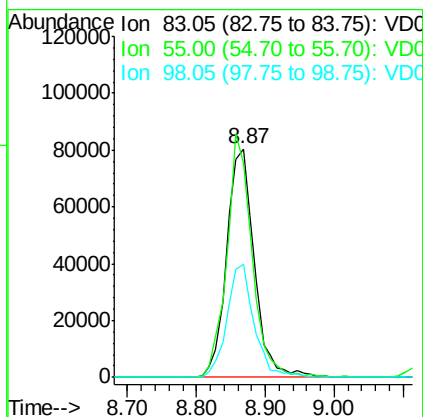
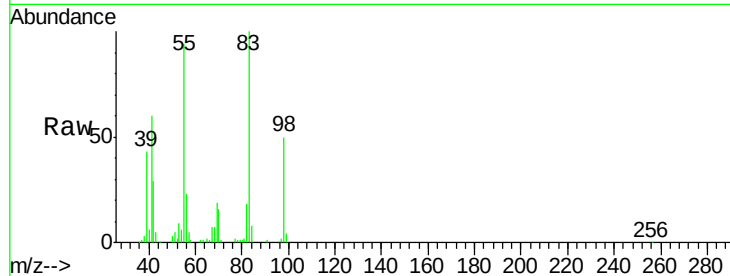




#39
Methylvlcyclohexane
Concen: 21.181 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

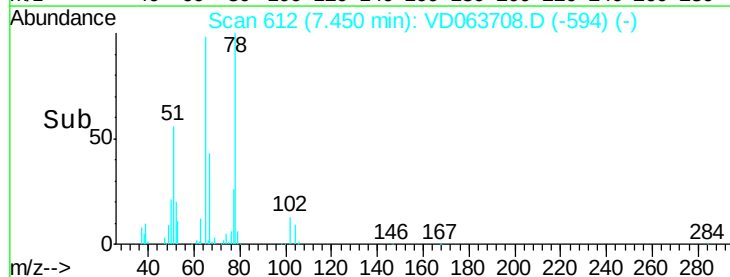
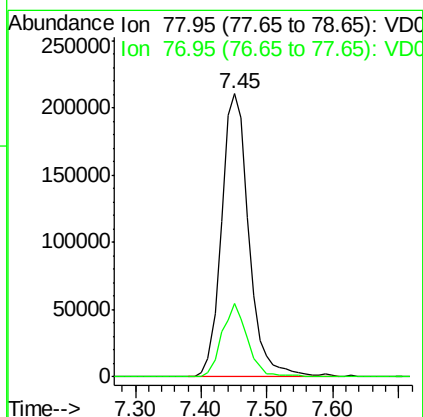
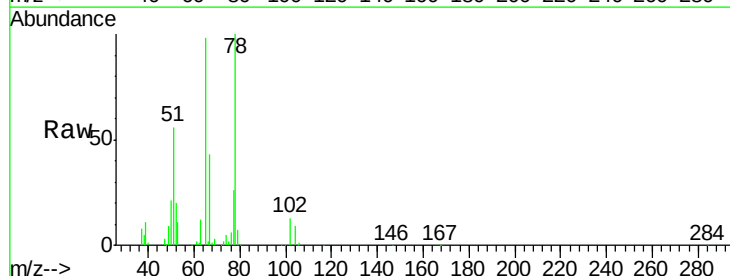
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

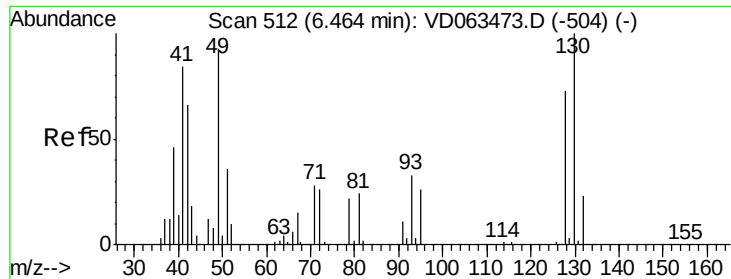
Tot Ion: 83 Resp: 224398
Ion Ratio Lower Upper
83 100
55 93.6 76.6 114.8
98 49.5 39.4 59.0



#40
Benzene
Concen: 22.346 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 78 Resp: 612674
Ion Ratio Lower Upper
78 100
77 25.7 20.1 30.1

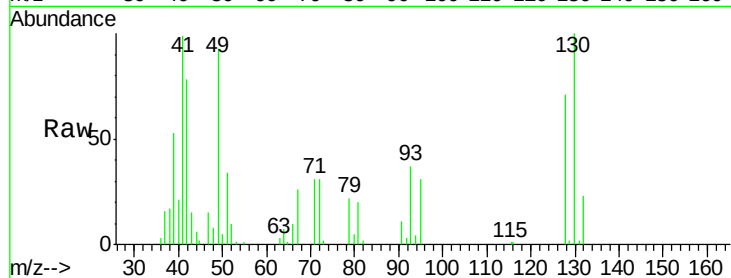




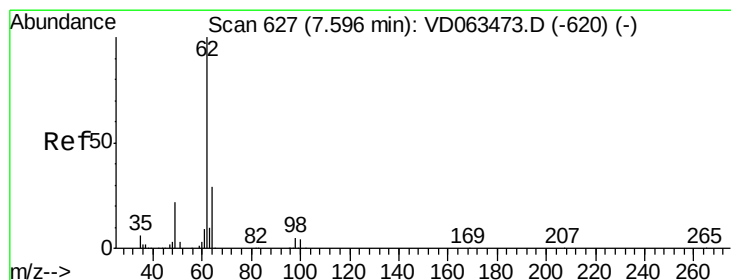
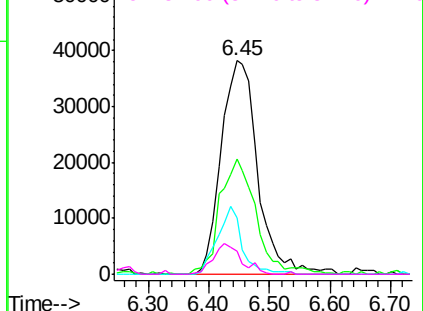
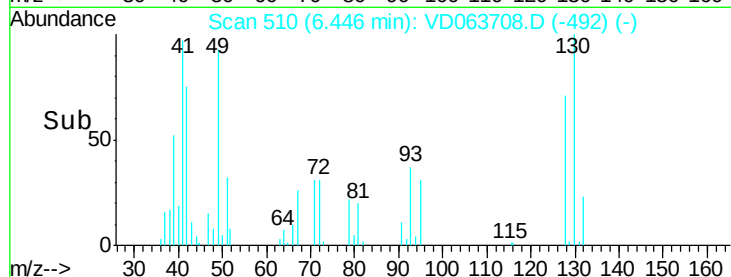
#41
Methacrylonitrile
Concen: 24.344 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:	41	Resp:	160023
Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.6	66.8
67	26.1	14.4	21.6#
52	10.6	9.3	13.9

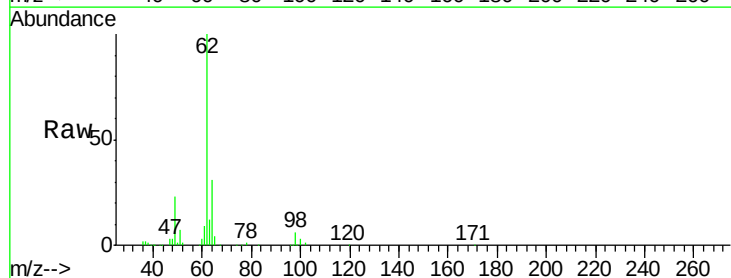


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

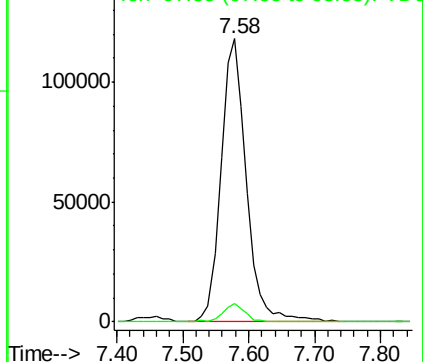
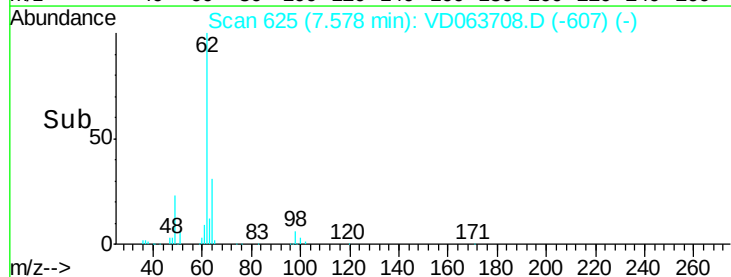


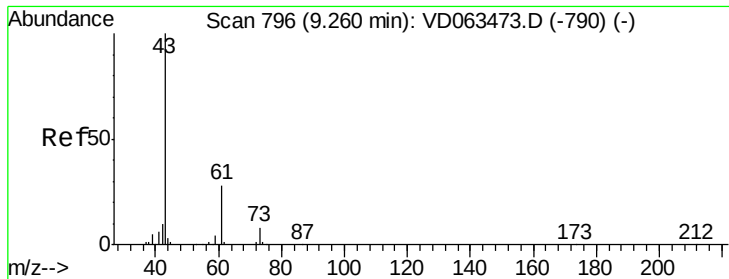
#42
1,2-Dichloroethane
Concen: 23.039 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:	62	Resp:	317627
Ion	Ratio	Lower	Upper
62	100		
98	6.4	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: 24.233 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

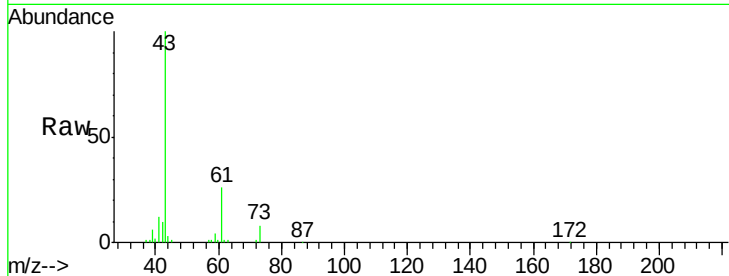
Tot Ion: 43 Resp: 169439

Ion Ratio Lower Upper

43 100

61 26.4 22.2 33.2

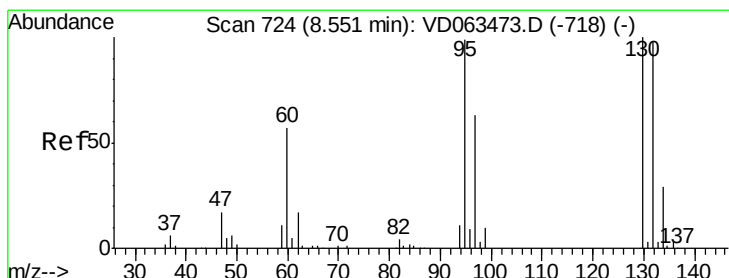
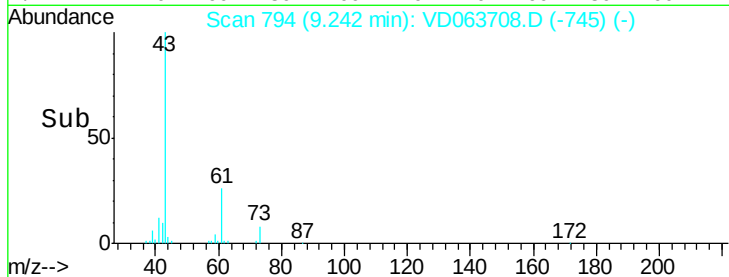
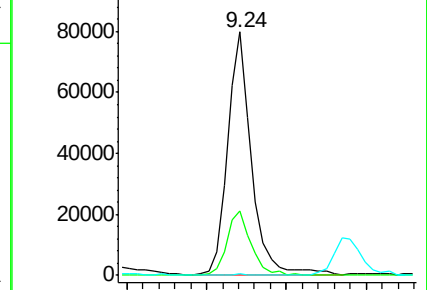
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.081 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063708.D

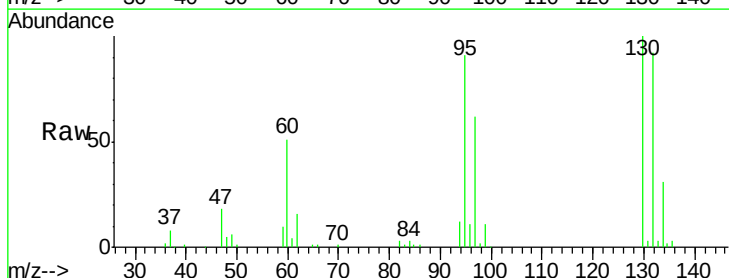
Acq: 21 Aug 2019 13:02

Tgt Ion: 130 Resp: 231404

Ion Ratio Lower Upper

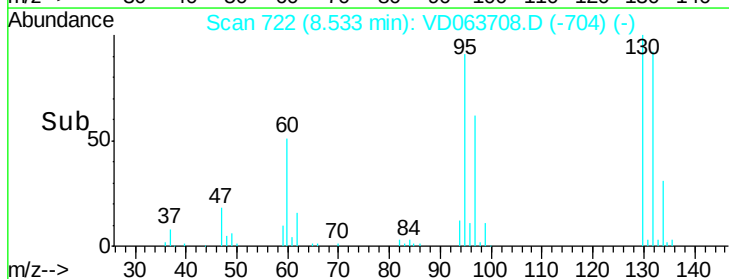
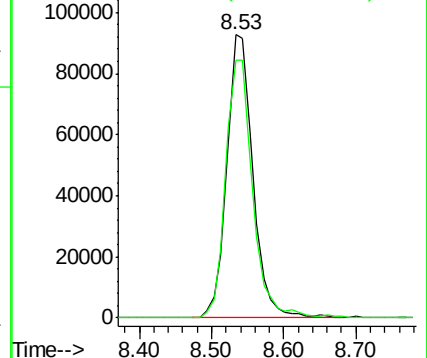
130 100

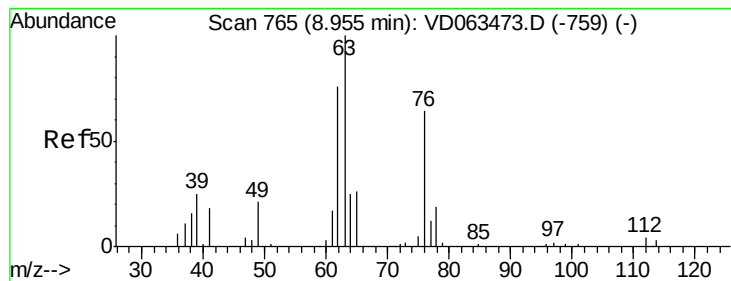
95 91.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.320 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

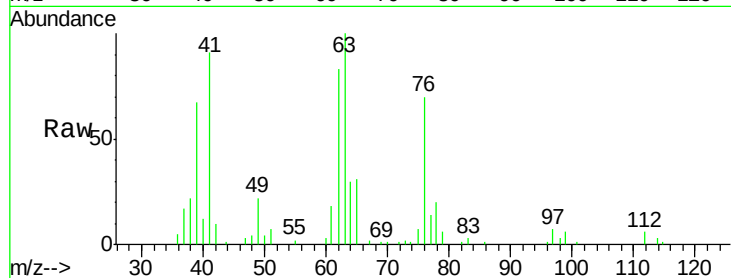
VD0821SBS01

Tot Ion: 63 Resp: 148898

Ion Ratio Lower Upper

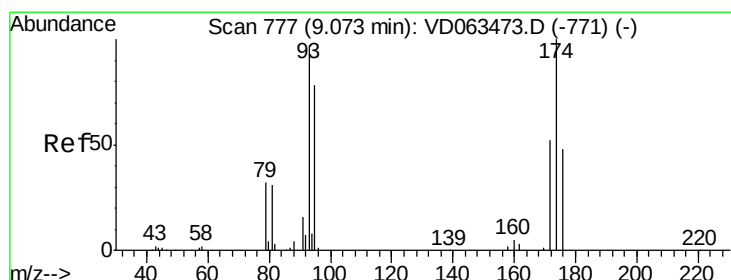
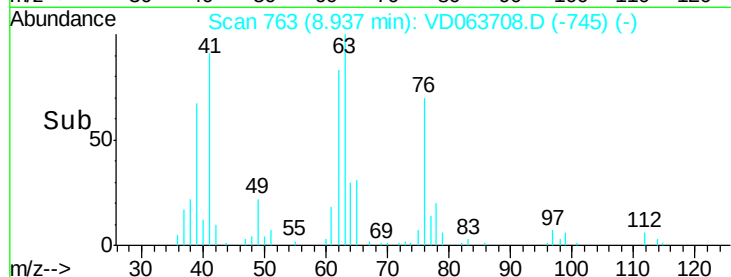
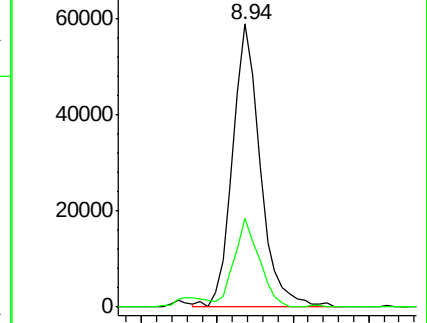
63 100

65 31.3 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: 22.969 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

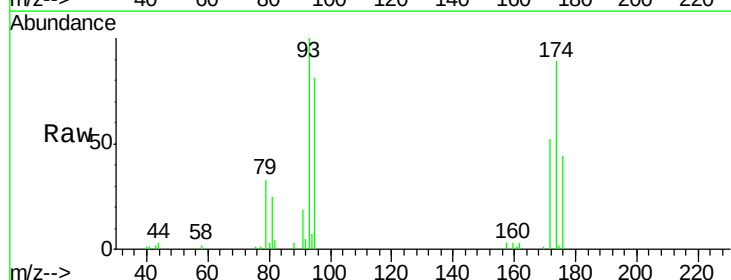
Tgt Ion: 93 Resp: 125240

Ion Ratio Lower Upper

93 100

95 81.3 64.2 96.2

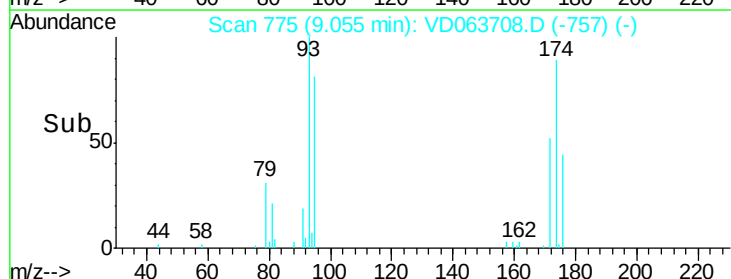
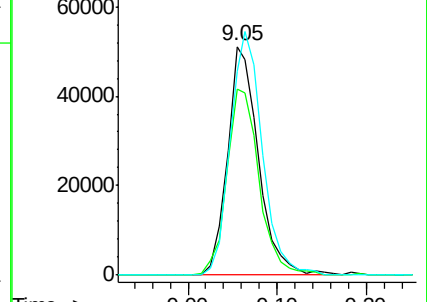
174 89.4 82.1 123.1

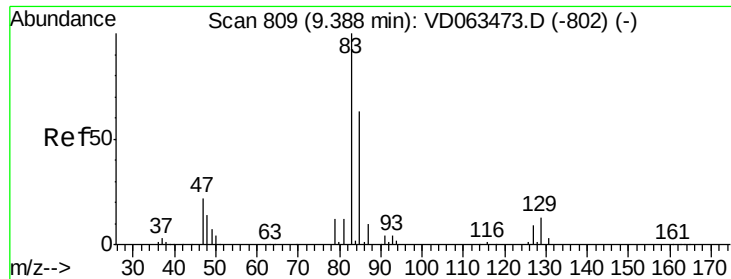


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.524 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

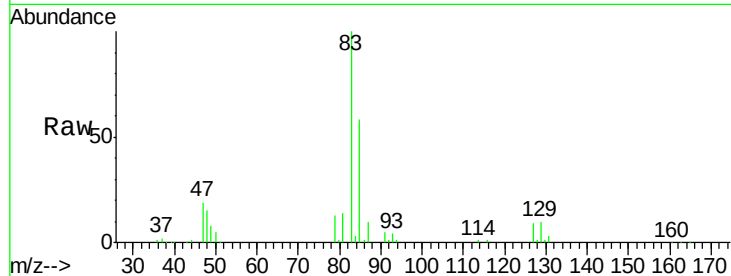
Tot Ion: 83 Resp: 315032

Ion Ratio Lower Upper

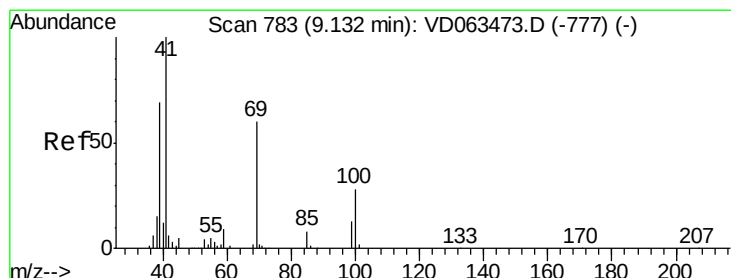
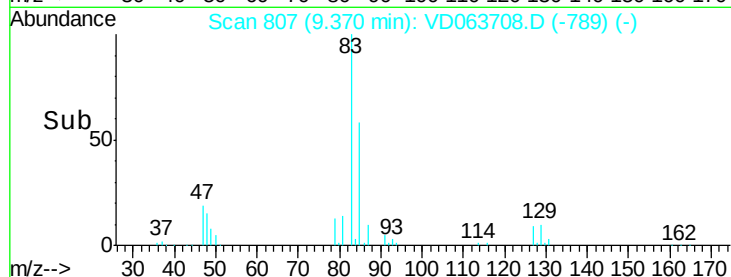
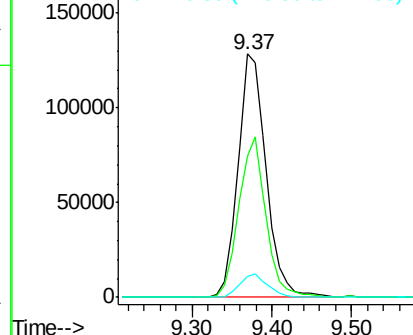
83 100

85 57.9 50.1 75.1

127 8.6 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: 23.683 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

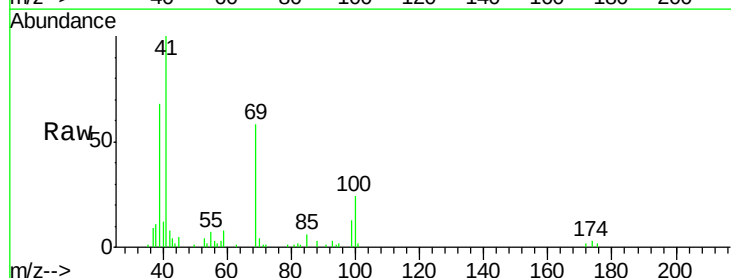
Tgt Ion: 41 Resp: 112305

Ion Ratio Lower Upper

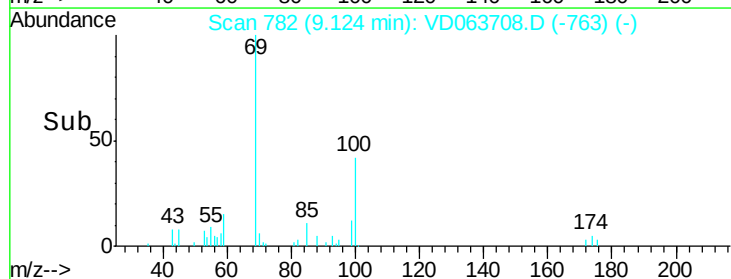
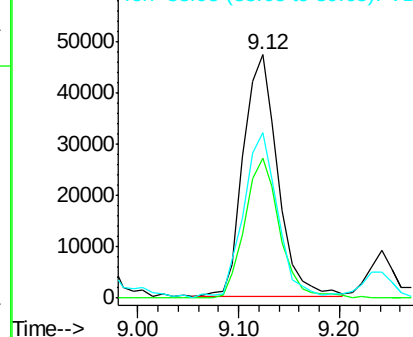
41 100

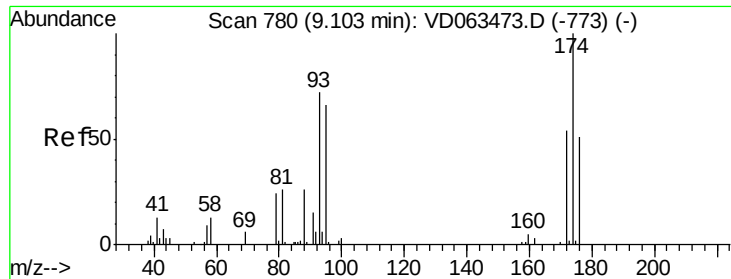
69 57.5 47.6 71.4

39 68.2 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

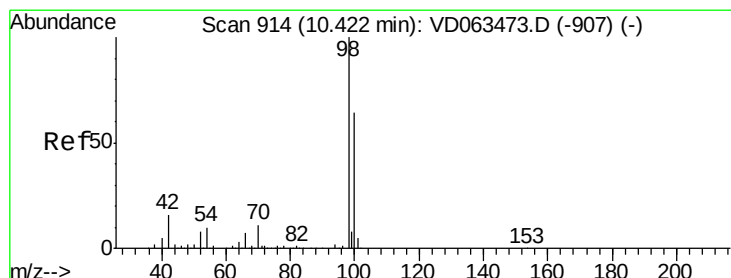
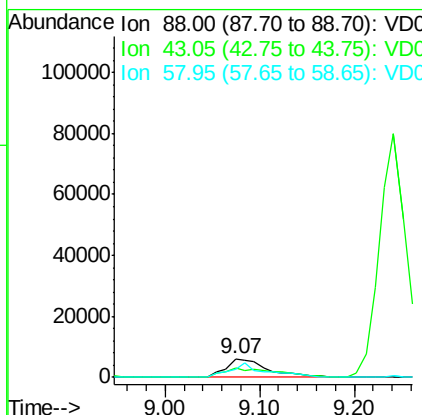
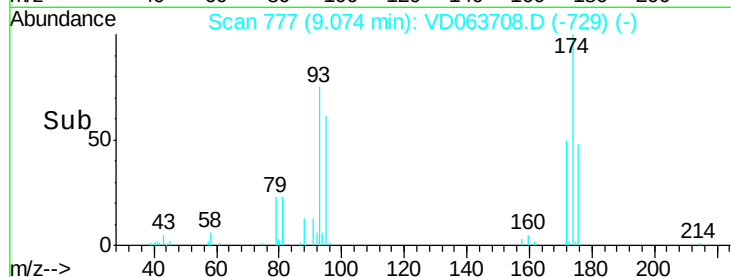
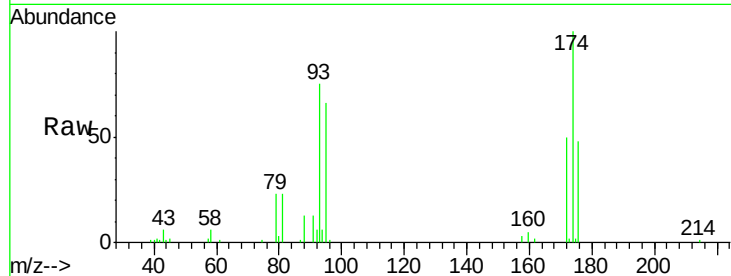




#49
1,4-Dioxane
Concen: 450.614 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.03 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

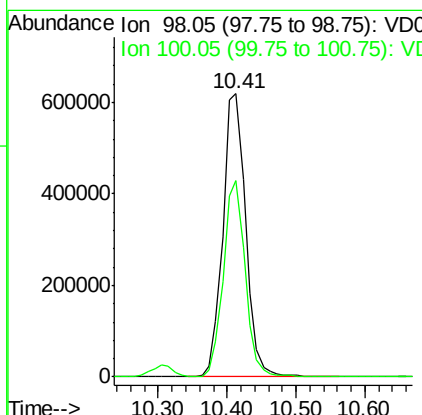
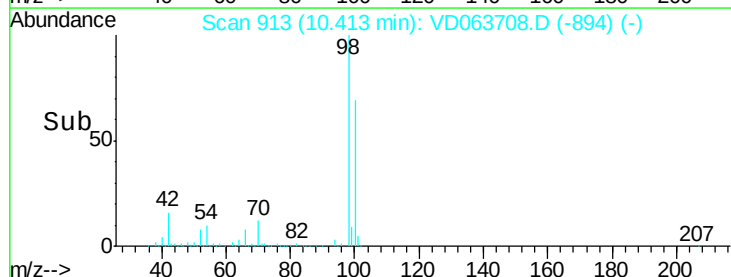
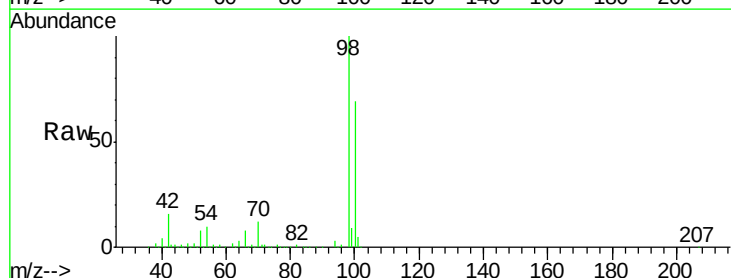
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

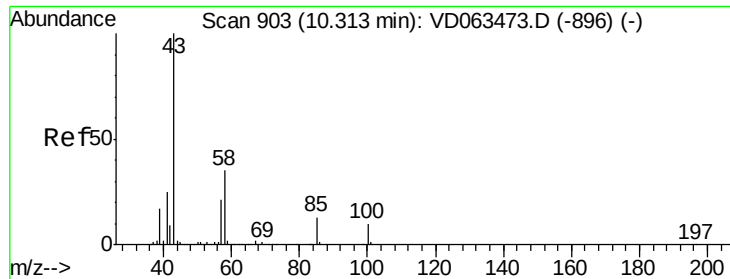
Tot Ion: 88 Resp: 18491
Ion Ratio Lower Upper
88 100
43 48.0 22.9 34.3#
58 42.8 40.1 60.1



#50
Toluene-d8
Concen: 54.591 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 98 Resp: 1424591
Ion Ratio Lower Upper
98 100
100 69.3 51.7 77.5

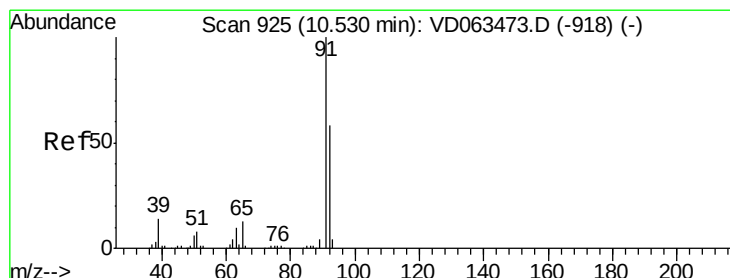
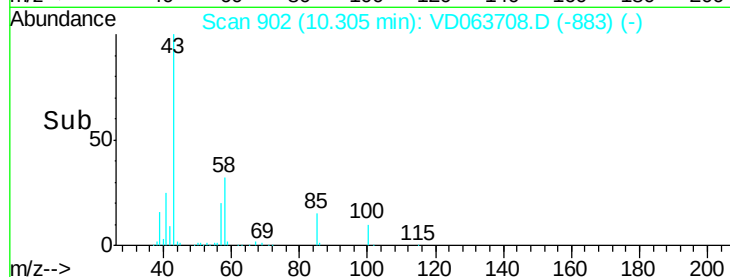
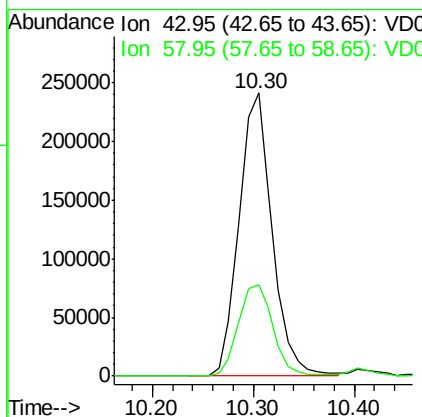
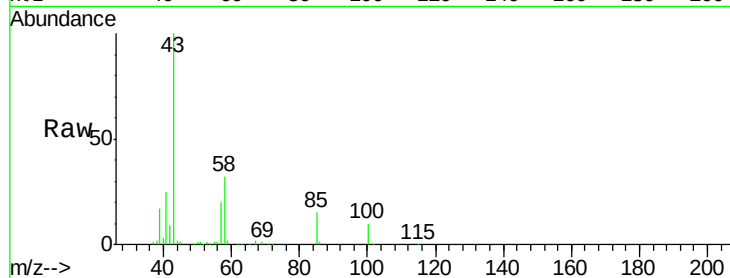




#51
 4-Methyl-2-Pentanone
 Concen: 115.300 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

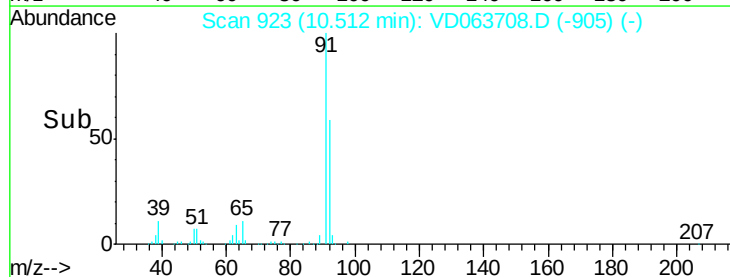
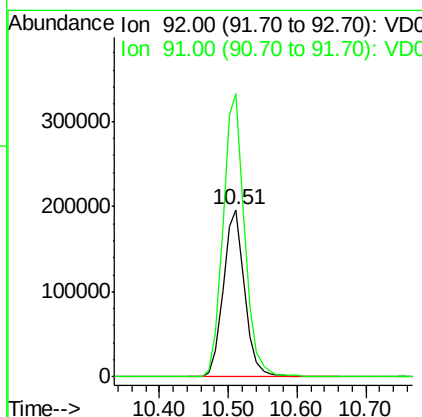
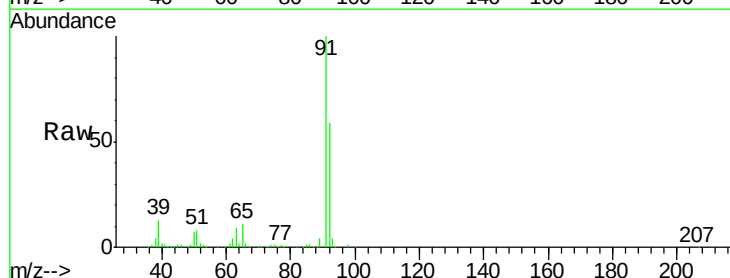
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

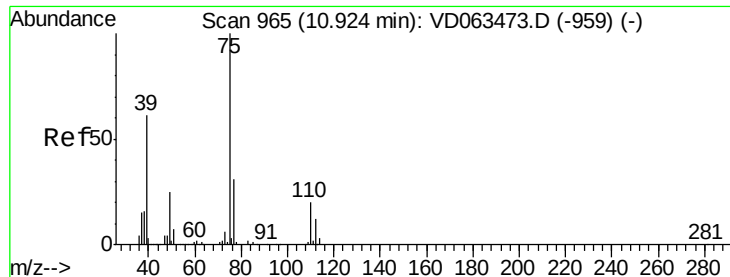
Tot Ion: 43 Resp: 551658
 Ion Ratio Lower Upper
 43 100
 58 32.4 28.0 42.0



#52
 Toluene
 Concen: 23.663 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion: 92 Resp: 417884
 Ion Ratio Lower Upper
 92 100
 91 169.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 23.066 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

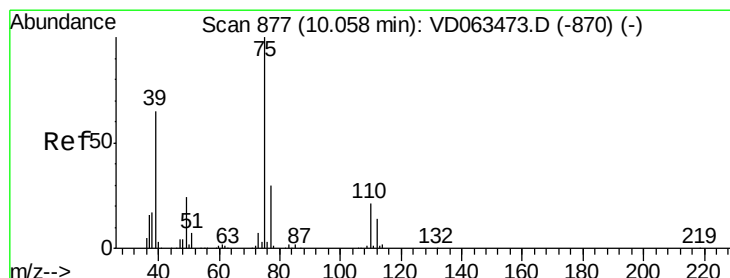
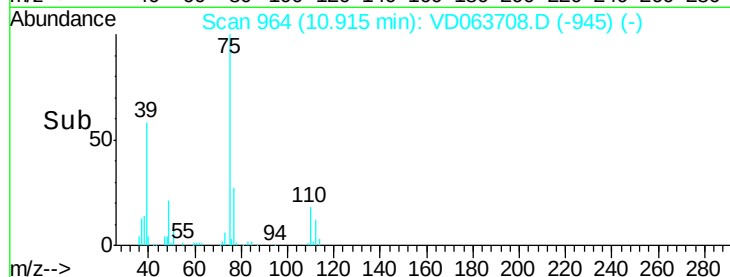
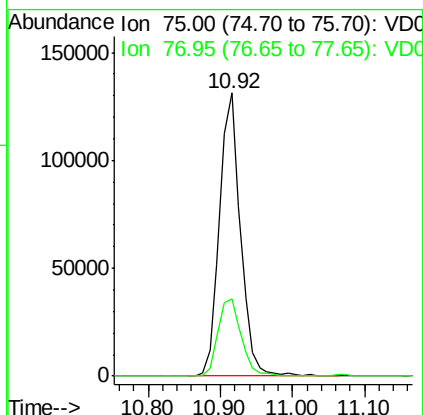
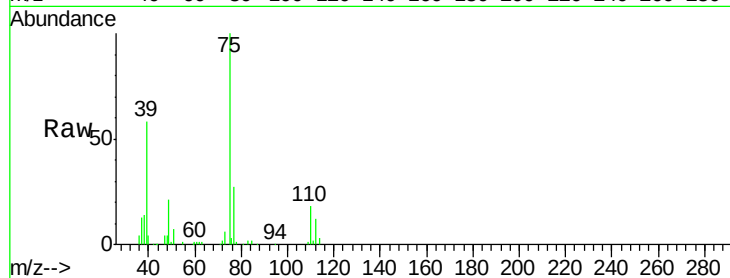
VD0821SBS01

Tot Ion: 75 Resp: 263289

Ion Ratio Lower Upper

75 100

77 27.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 22.858 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

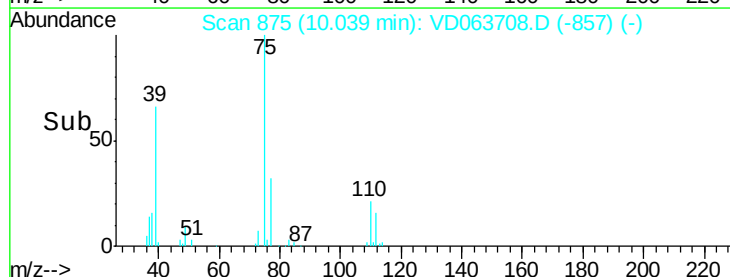
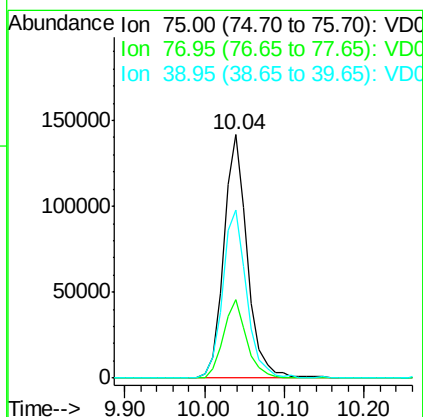
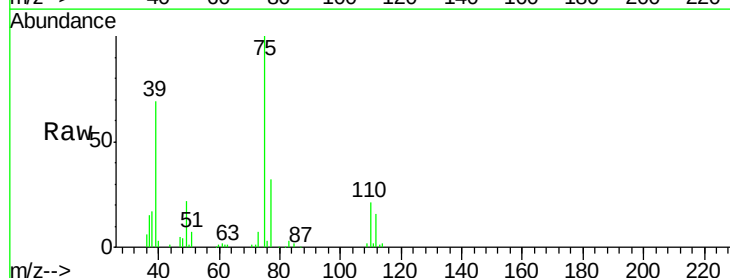
Tgt Ion: 75 Resp: 294194

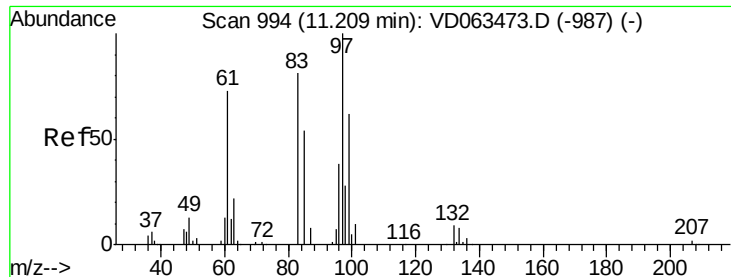
Ion Ratio Lower Upper

75 100

77 32.2 23.7 35.5

39 68.9 52.2 78.4

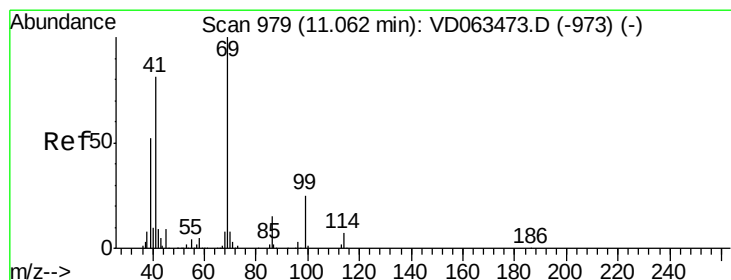
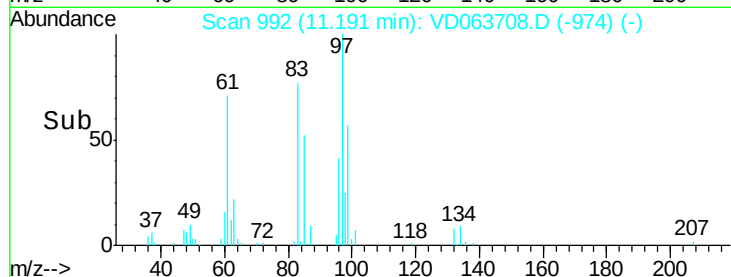
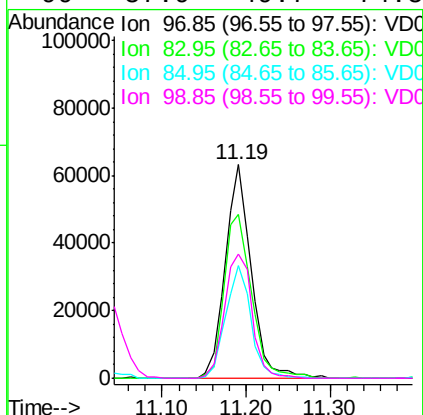
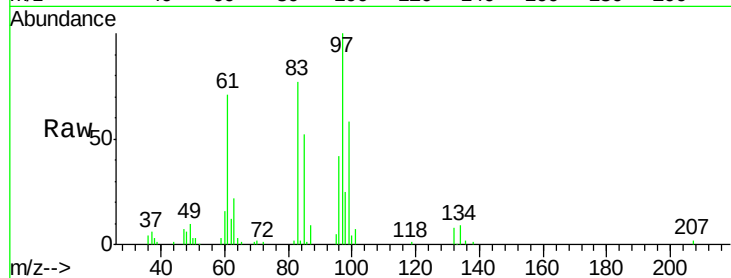




#55
 1,1,2-Trichloroethane
 Concen: 22.626 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

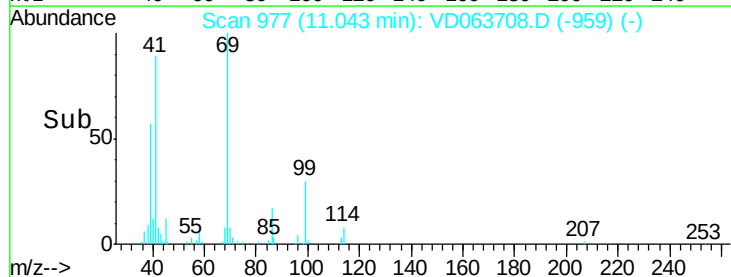
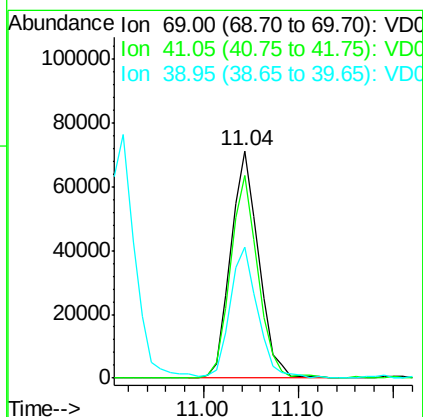
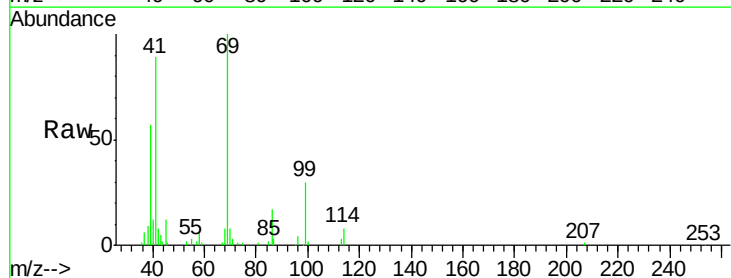
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

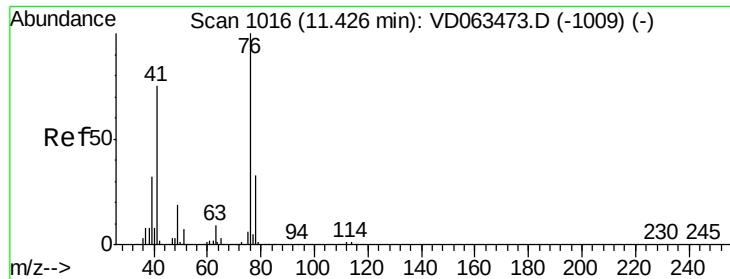
Tot Ion:	97	Resp:	134974
Ion	Ratio	Lower	Upper
97	100		
83	76.8	64.7	97.1
85	52.5	42.9	64.3
99	57.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 22.554 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion:	69	Resp:	146034
Ion	Ratio	Lower	Upper
69	100		
41	89.0	64.8	97.2
39	57.3	42.4	63.6





#57

1,3-Dichloropropane

Concen: 22.690 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

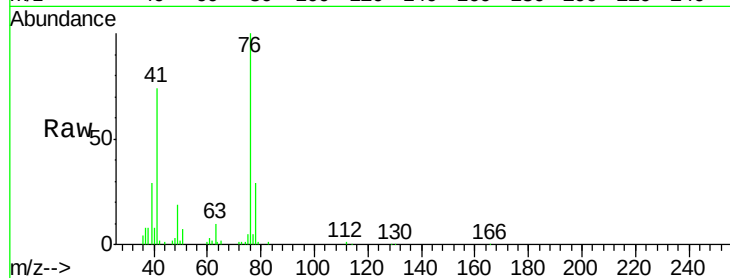
VD0821SBS01

Tot Ion: 76 Resp: 204598

Ion Ratio Lower Upper

76 100

78 28.9 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

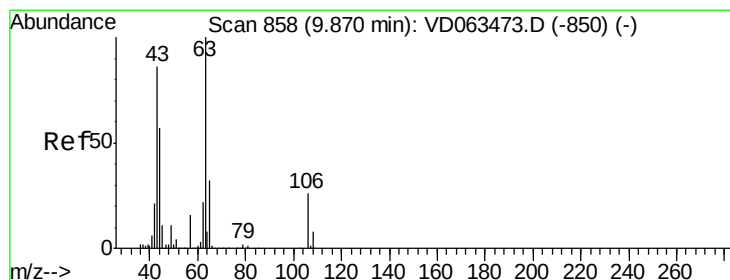
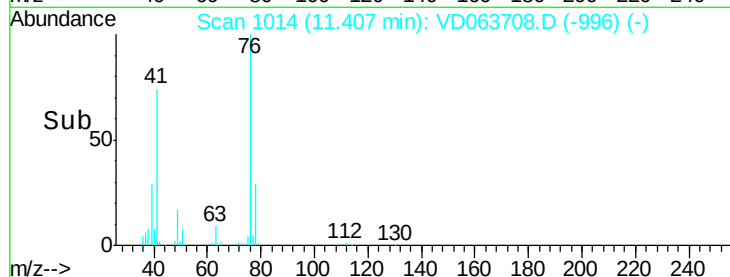
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 110.193 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063708.D

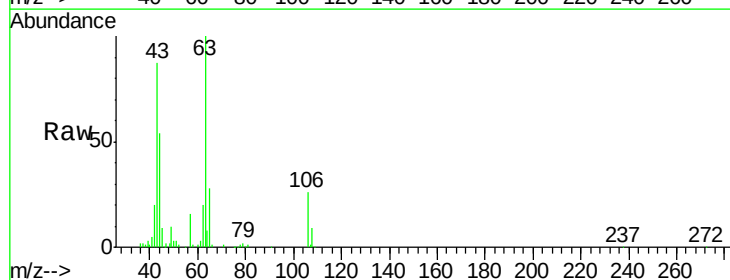
Acq: 21 Aug 2019 13:02

Tgt Ion: 63 Resp: 376667

Ion Ratio Lower Upper

63 100

106 25.7 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

200000

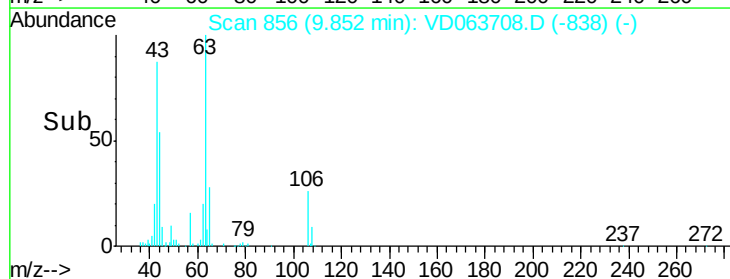
150000

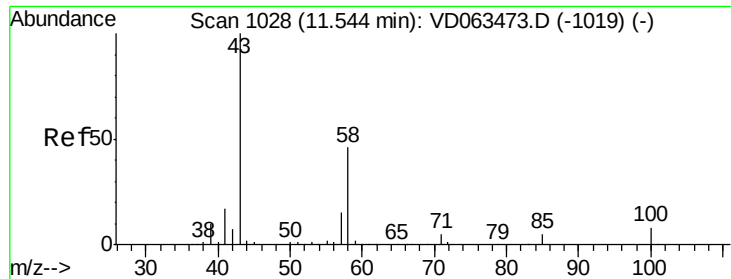
100000

50000

0

Time--> 9.70 9.80 9.90 10.00

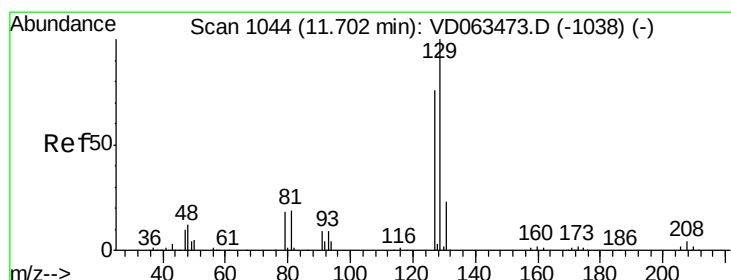
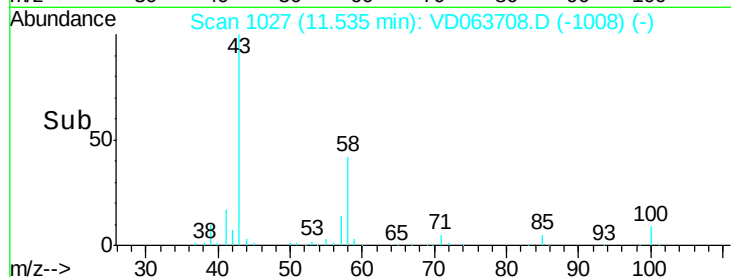
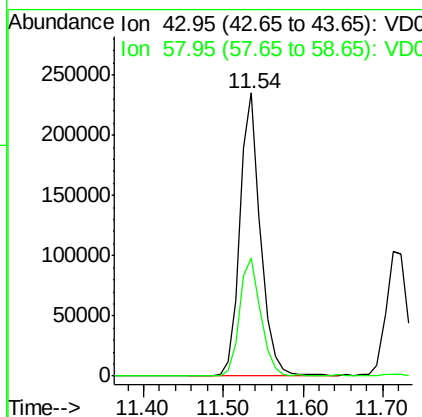
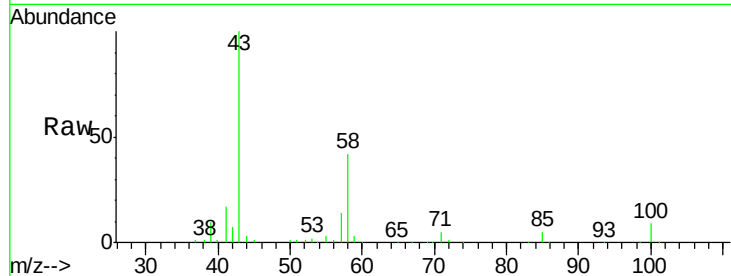




#59
2-Hexanone
Concen: 121.184 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

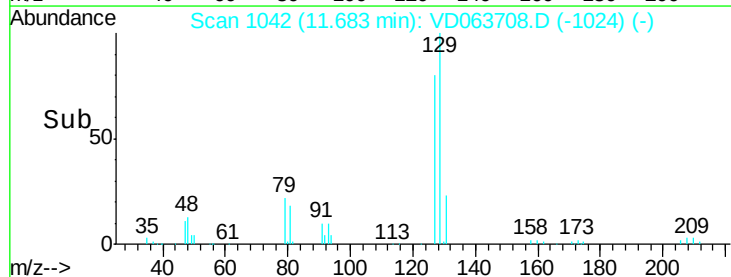
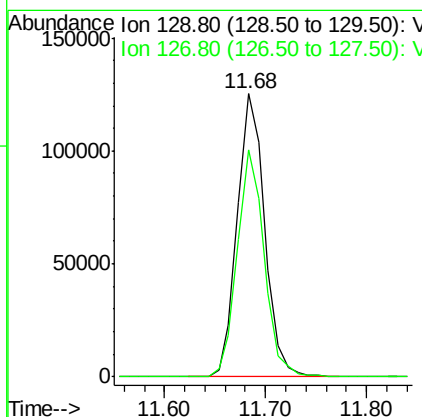
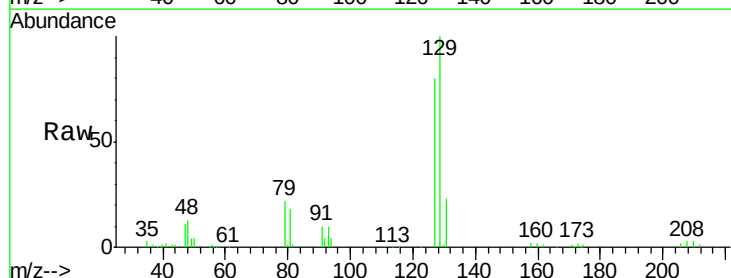
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

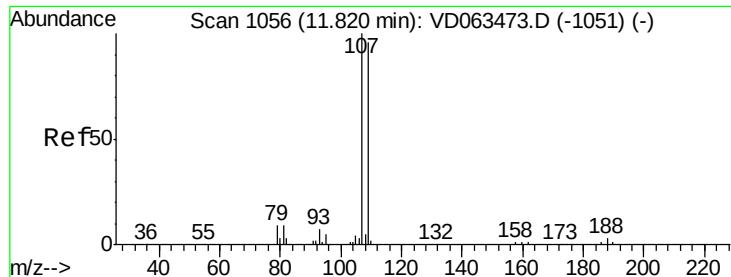
Tot Ion: 43 Resp: 421885
Ion Ratio Lower Upper
43 100
58 41.9 23.1 69.2



#60
Dibromochloromethane
Concen: 21.850 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:129 Resp: 237175
Ion Ratio Lower Upper
129 100
127 80.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 22.276 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

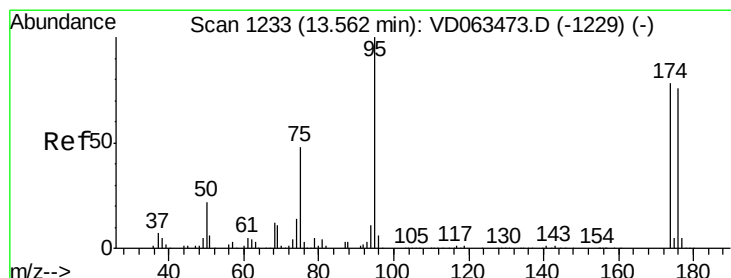
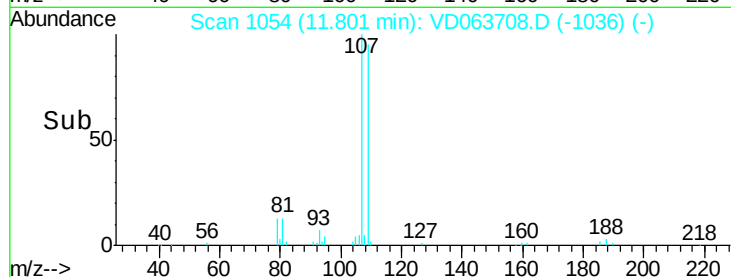
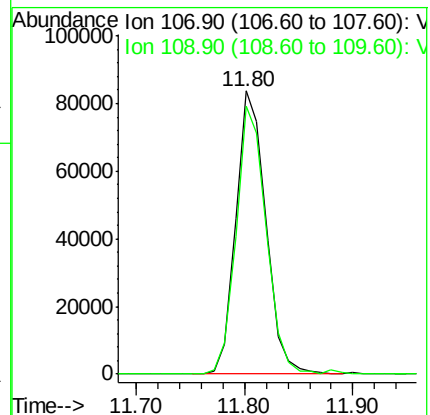
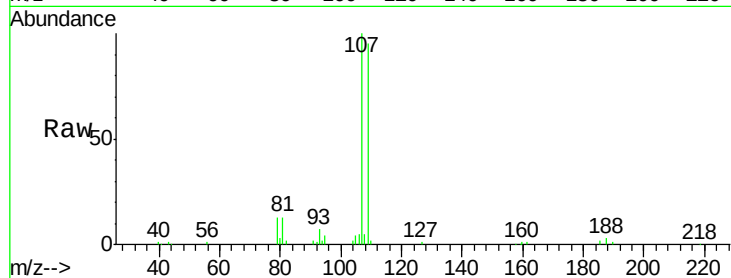
VD0821SBS01

Tot Ion:107 Resp: 160868

Ion Ratio Lower Upper

107 100

109 94.7 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 48.881 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

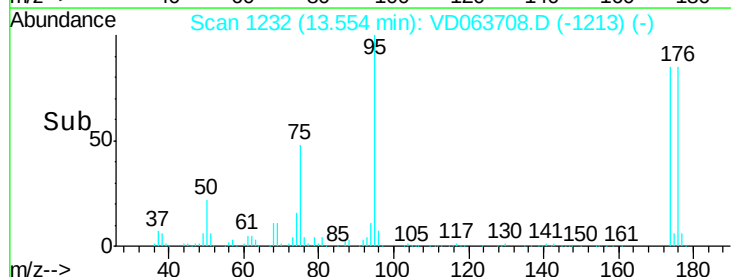
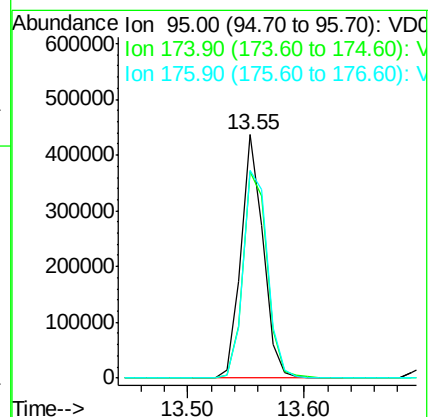
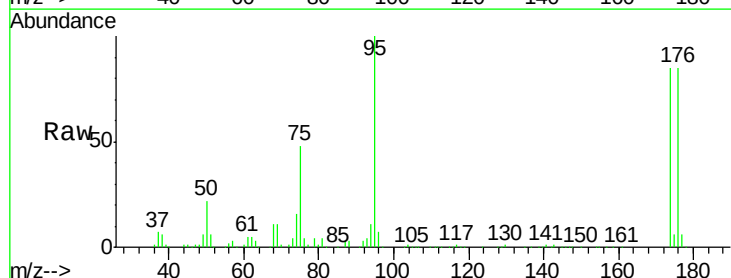
Tgt Ion: 95 Resp: 578158

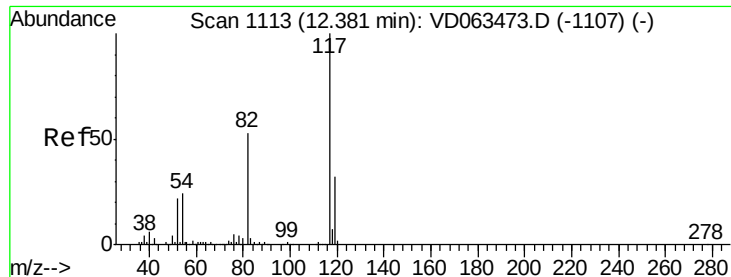
Ion Ratio Lower Upper

95 100

174 84.8 0.0 155.4

176 85.2 0.0 152.4

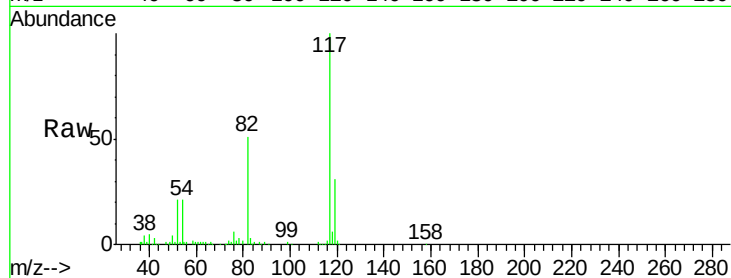




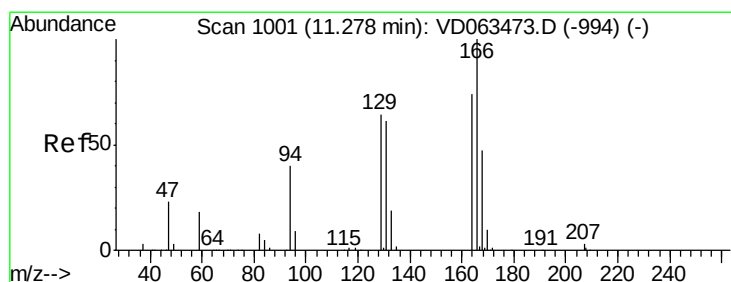
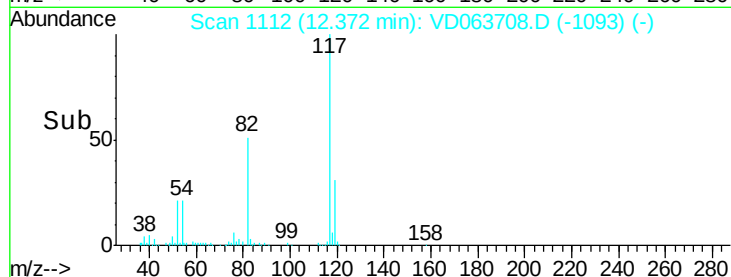
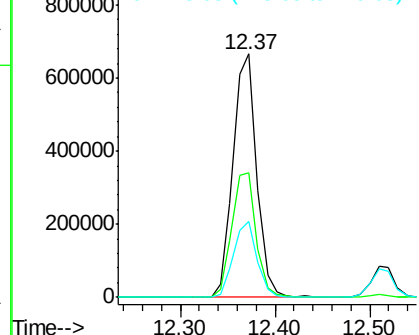
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:117 Resp: 1153657
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 31.2 25.4 38.0

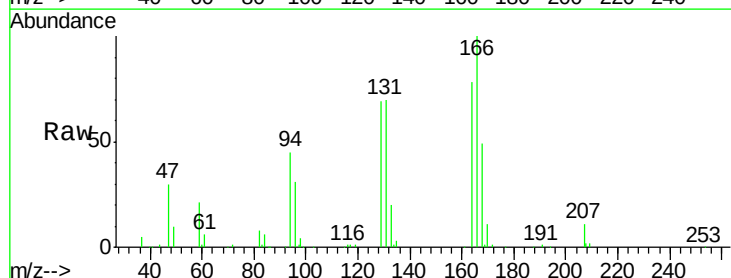


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

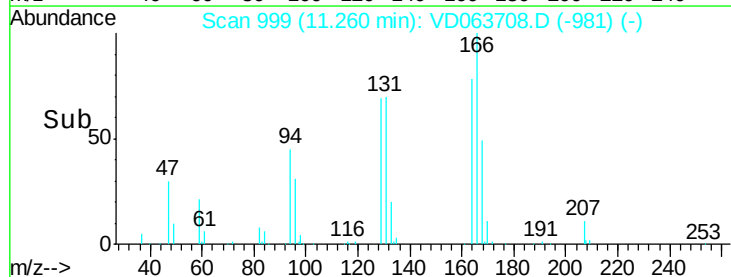
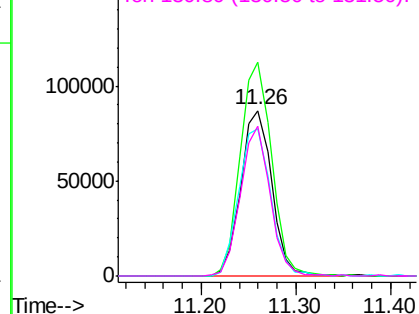


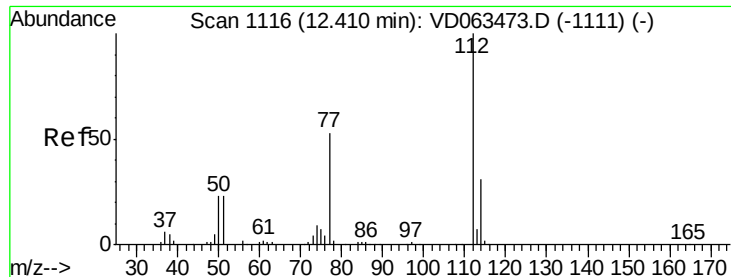
#64
Tetrachloroethene
Concen: 22.258 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:164 Resp: 198228
Ion Ratio Lower Upper
164 100
166 129.0 108.6 163.0
129 88.6 69.0 103.6
131 90.3 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

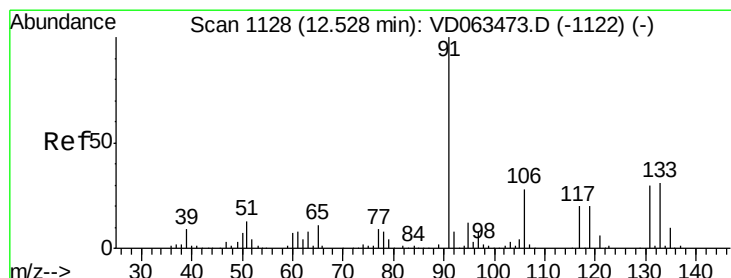
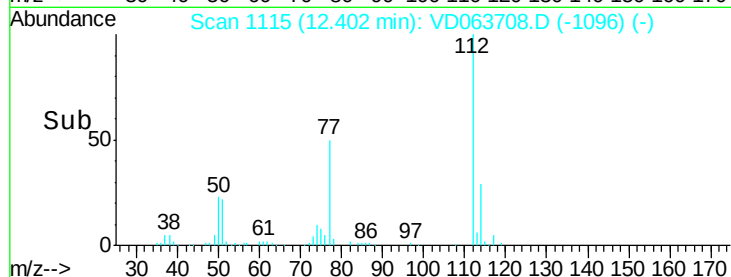
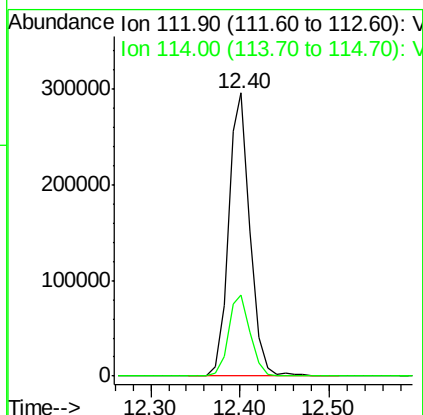
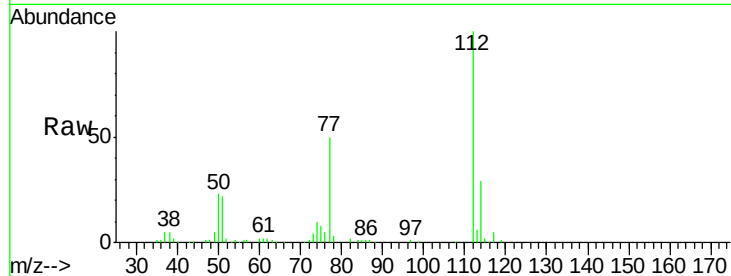




#65
Chlorobenzene
Concen: 23.136 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

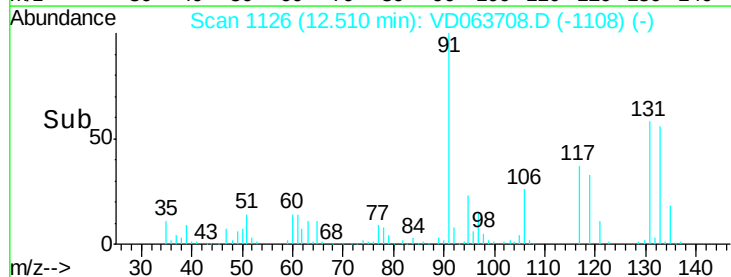
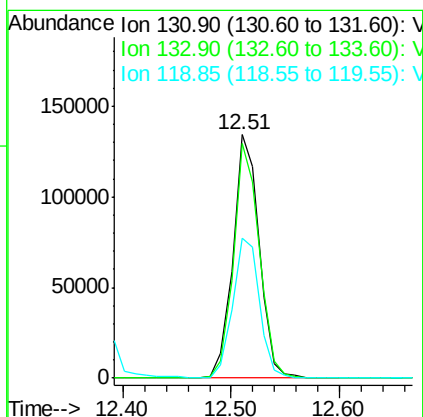
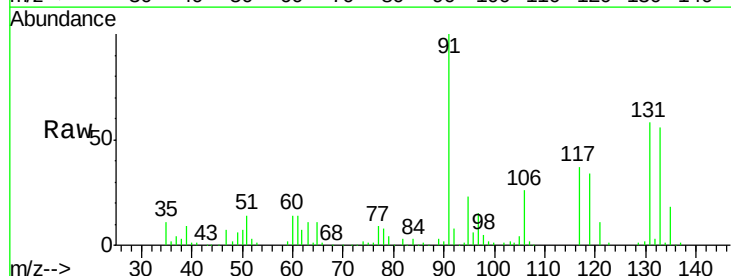
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

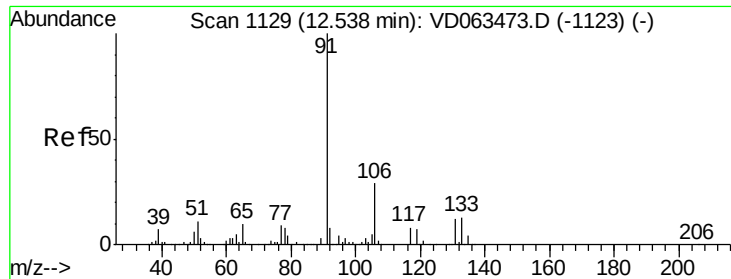
Tot Ion:112 Resp: 500262
Ion Ratio Lower Upper
112 100
114 28.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.689 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:131 Resp: 225425
Ion Ratio Lower Upper
131 100
133 96.4 51.1 153.3
119 57.7 33.1 99.3

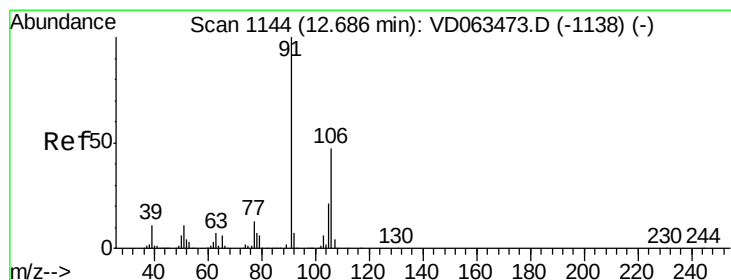
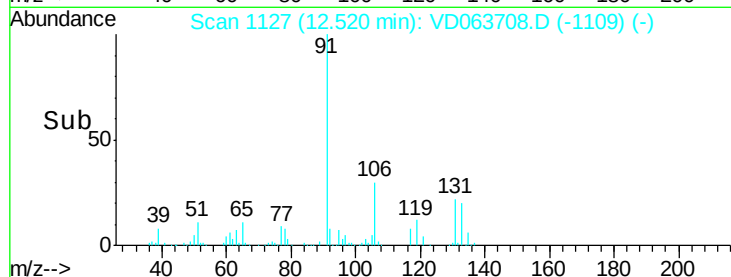
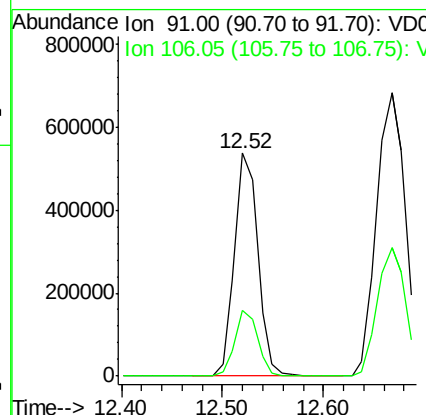
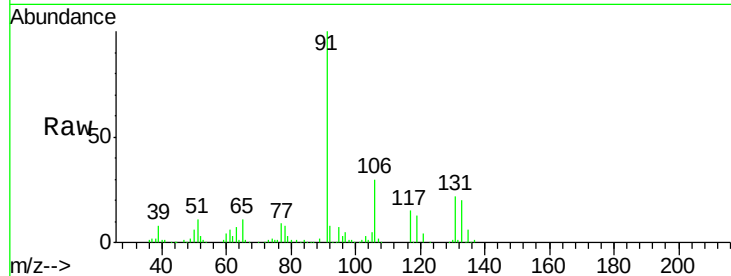




#67
Ethyl Benzene
Concen: 23.075 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

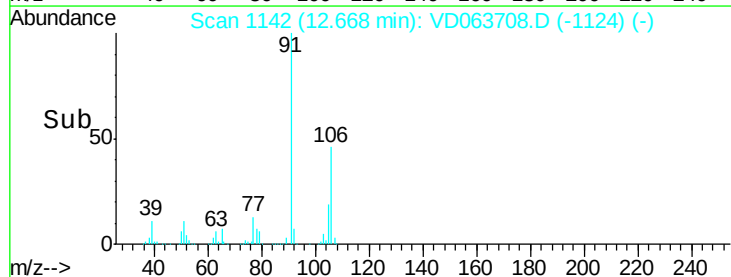
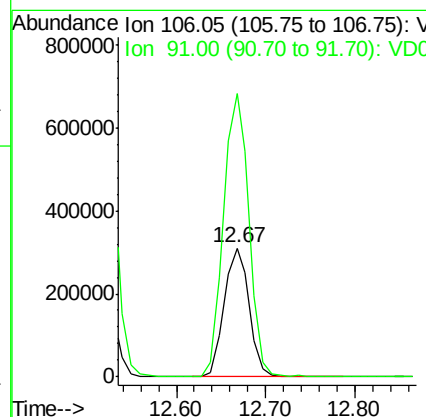
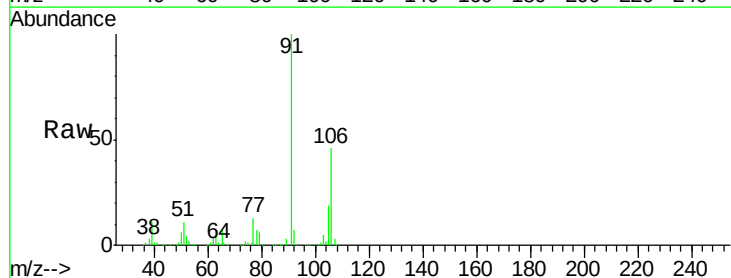
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

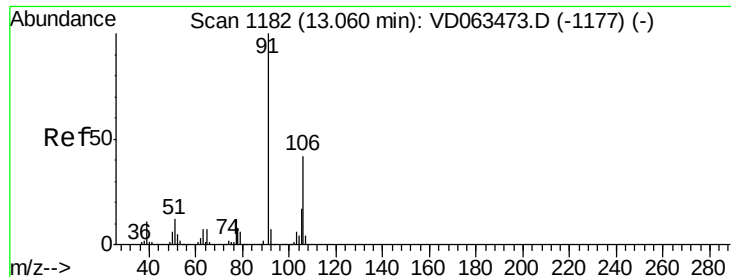
Tot Ion: 91 Resp: 867519
Ion Ratio Lower Upper
91 100
106 29.7 23.1 34.7



#68
m/p-Xylenes
Concen: 46.666 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 106 Resp: 616389
Ion Ratio Lower Upper
106 100
91 219.3 171.8 257.8

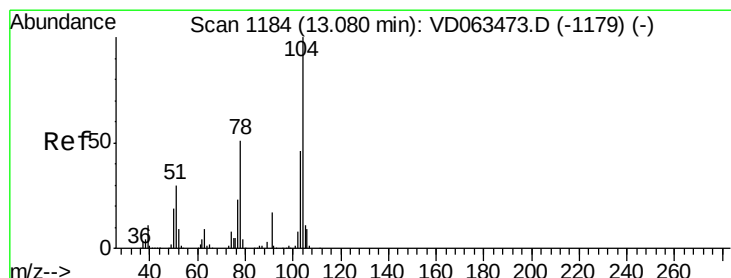
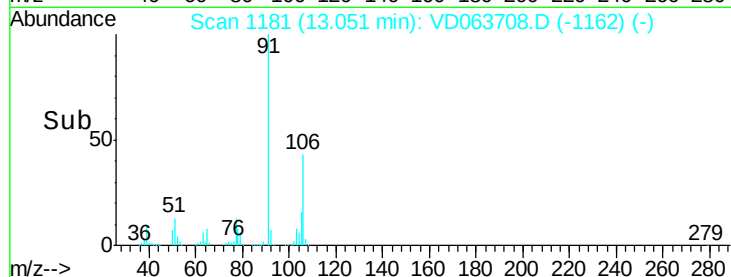
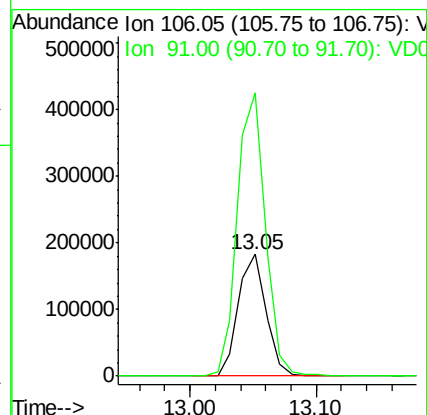
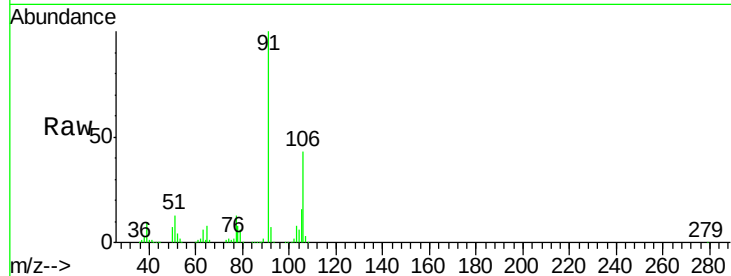




#69
o-Xylene
Concen: 21.841 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

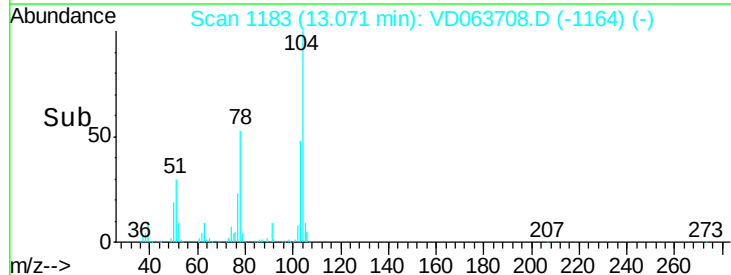
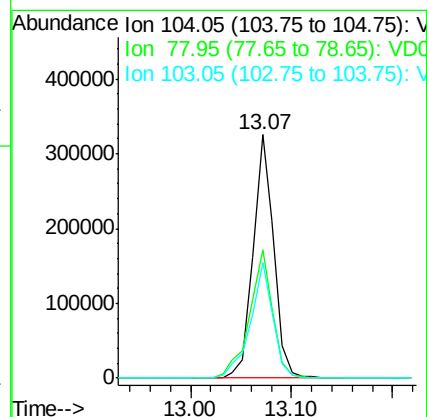
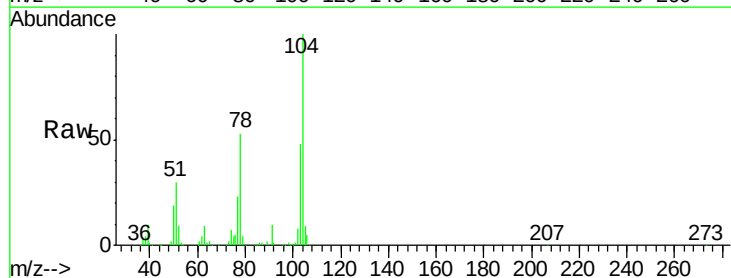
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

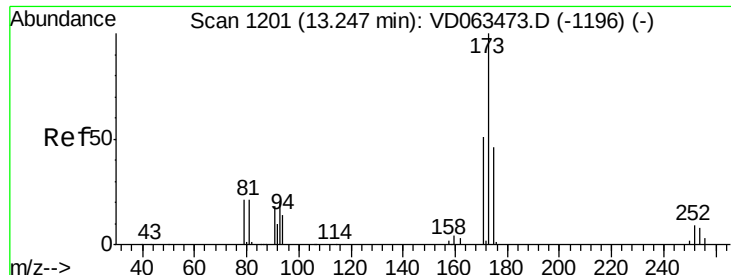
Tot Ion:106 Resp: 277666
Ion Ratio Lower Upper
106 100
91 232.1 118.1 354.2



#70
Styrene
Concen: 20.553 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:104 Resp: 464764
Ion Ratio Lower Upper
104 100
78 52.5 40.8 61.2
103 47.6 36.4 54.6





#71

Bromoform

Concen: 21.814 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

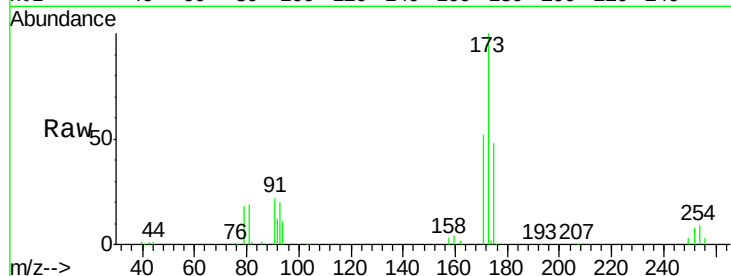
Tot Ion:173 Resp: 142335

Ion Ratio Lower Upper

173 100

175 48.2 22.8 68.3

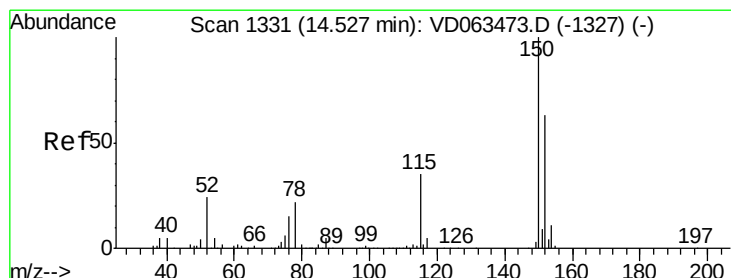
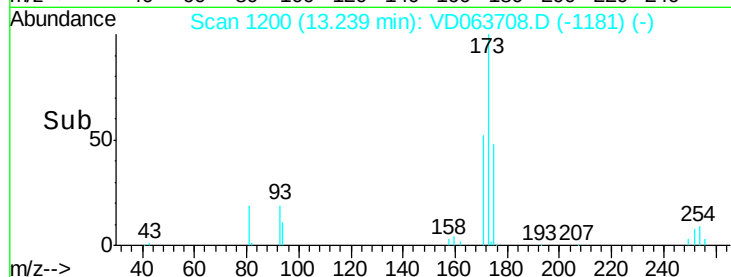
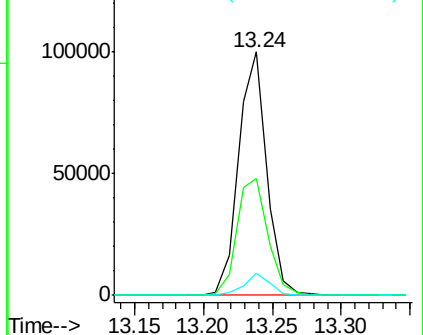
254 8.9 6.6 9.8



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: VD063708.D

Acq: 21 Aug 2019 13:02

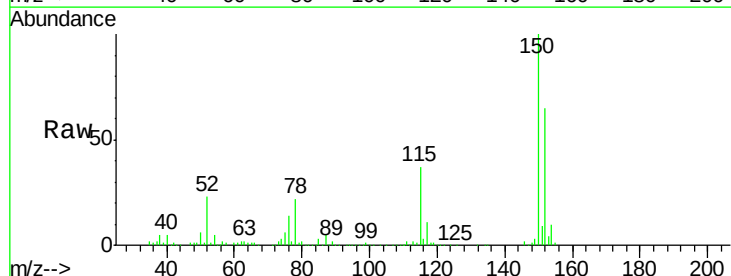
Tgt Ion:152 Resp: 612737

Ion Ratio Lower Upper

152 100

115 56.3 30.9 92.7

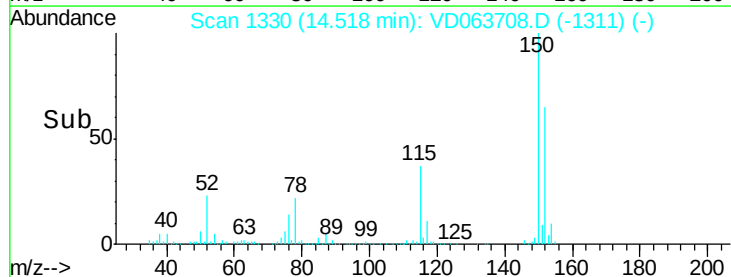
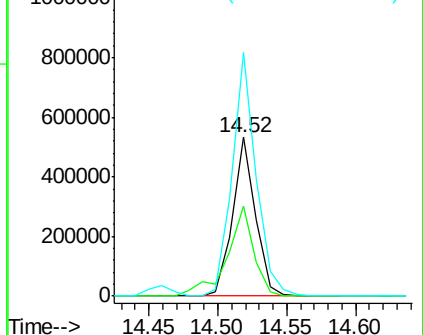
150 153.1 0.0 318.6

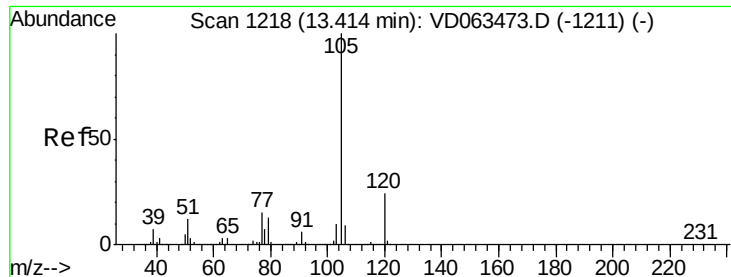


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.890 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

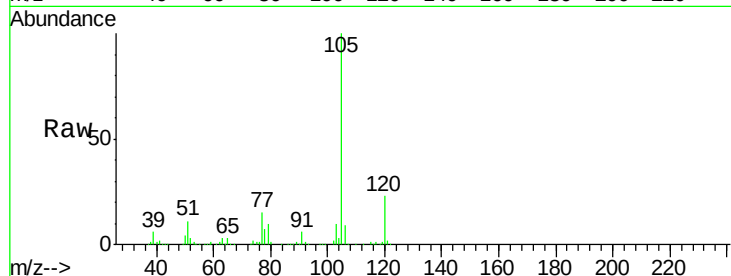
VD0821SBS01

Tot Ion:105 Resp: 853140

Ion Ratio Lower Upper

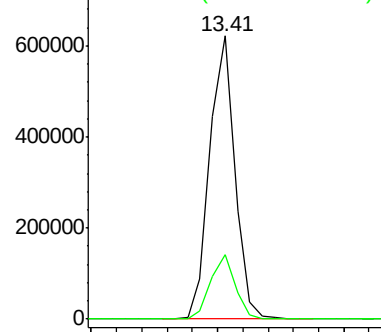
105 100

120 22.8 11.9 35.9

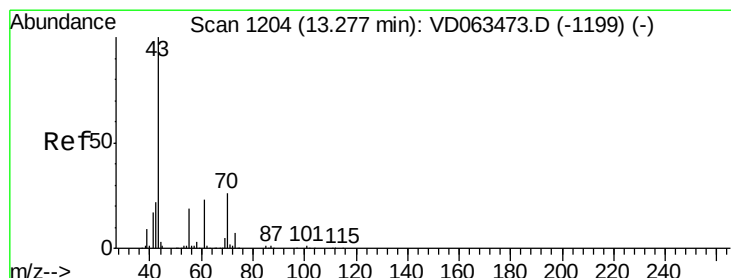
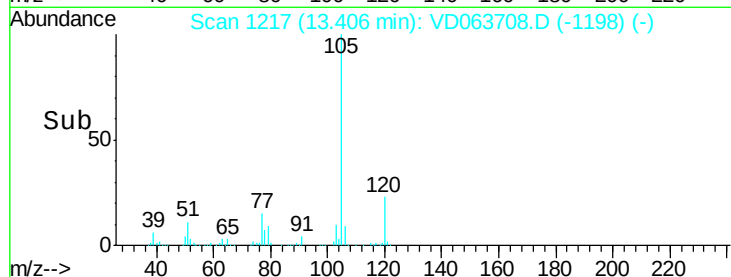


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.746 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Tgt Ion: 43 Resp: 222532

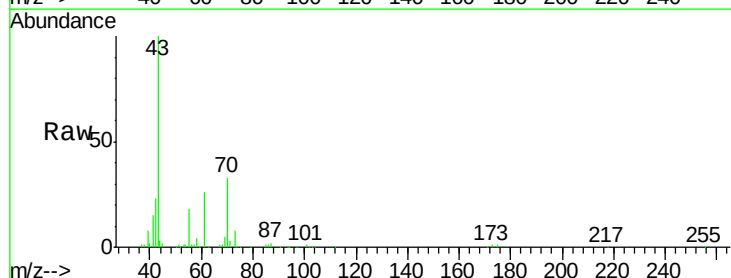
Ion Ratio Lower Upper

43 100

70 32.5 21.1 31.7#

55 17.9 15.4 23.0

61 25.8 18.2 27.2

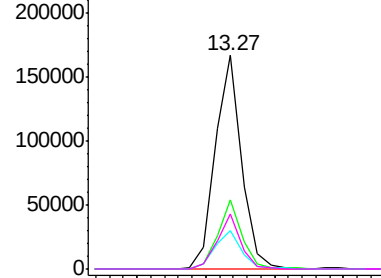


Abundance Ion 42.95 (42.65 to 43.65): VDC

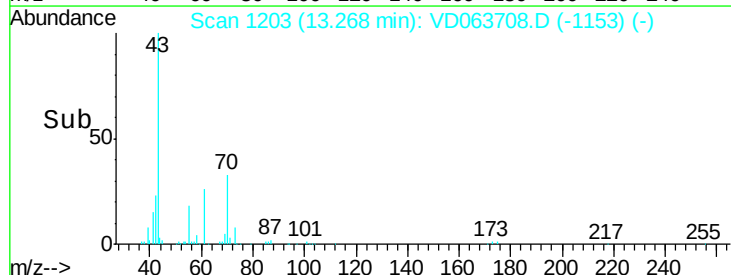
Ion 70.00 (69.70 to 70.70): VDC

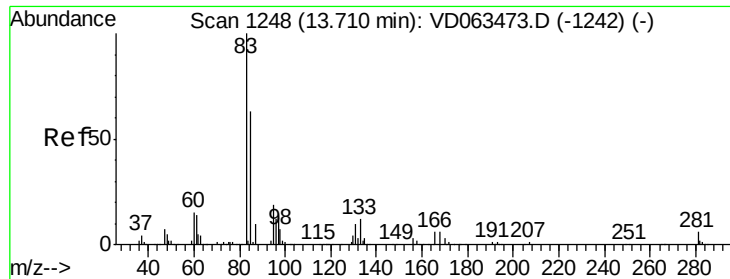
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.084 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

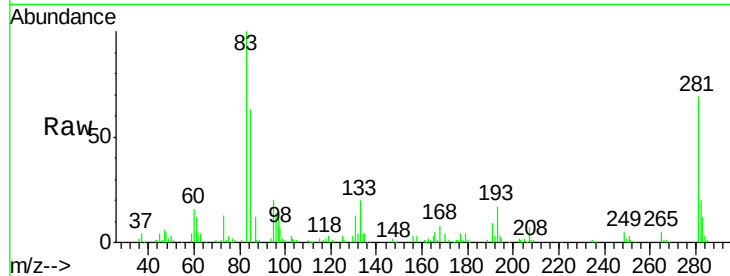
Tot Ion: 83 Resp: 142860

Ion Ratio Lower Upper

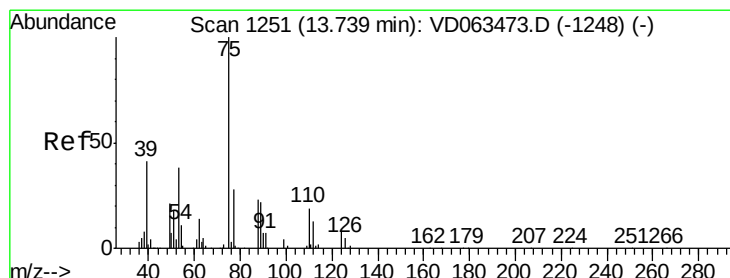
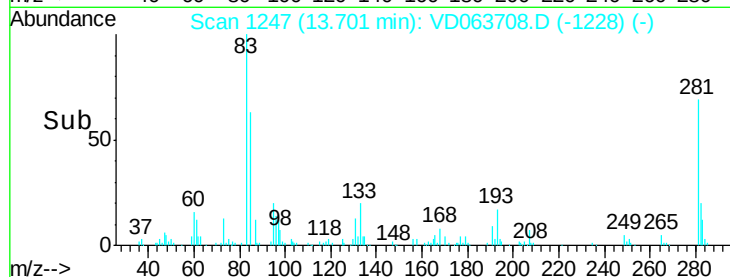
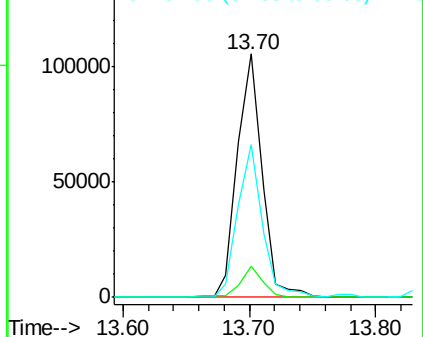
83 100

131 12.7 5.3 15.8

85 63.0 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: 25.135 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063708.D

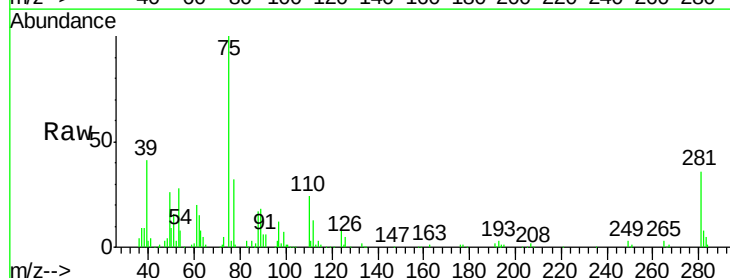
Acq: 21 Aug 2019 13:02

Tgt Ion: 75 Resp: 176757

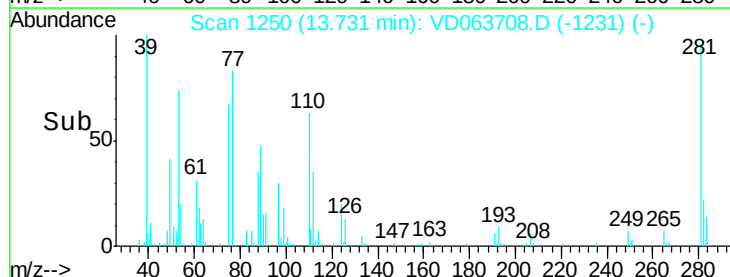
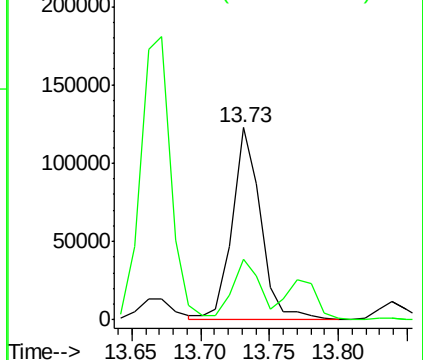
Ion Ratio Lower Upper

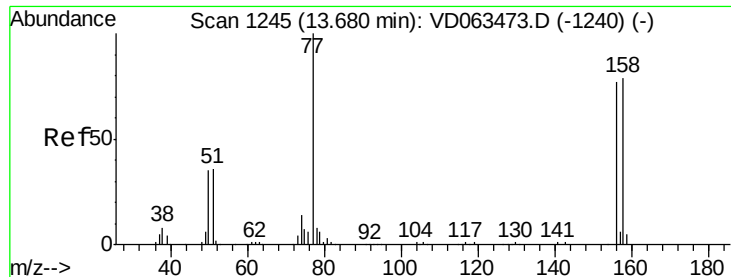
75 100

77 31.6 15.1 45.3



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





#77

Bromobenzene

Concen: 21.646 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

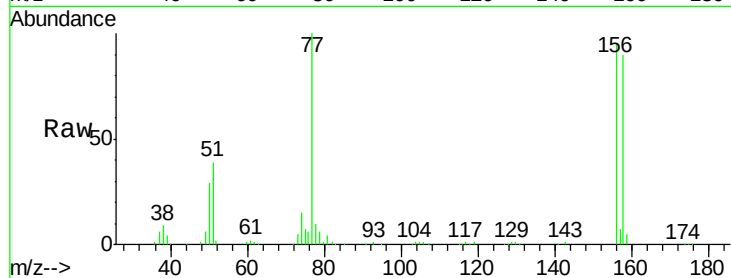
Tot Ion:156 Resp: 230569

Ion Ratio Lower Upper

156 100

77 105.0 64.6 193.8

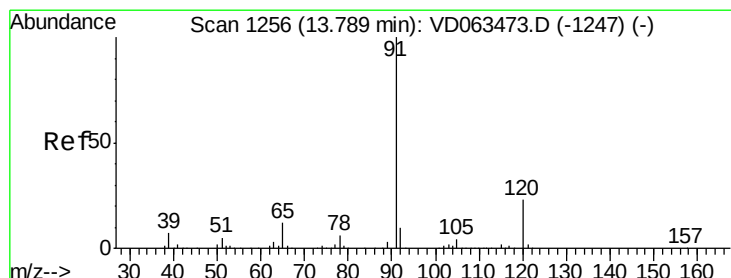
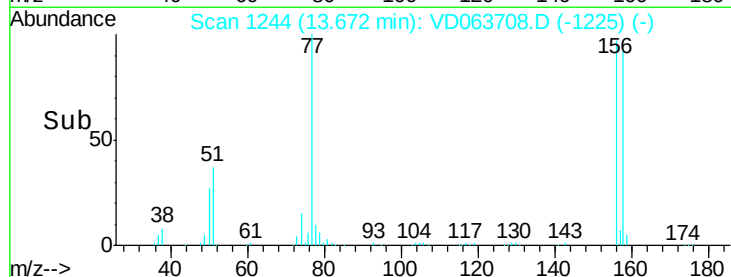
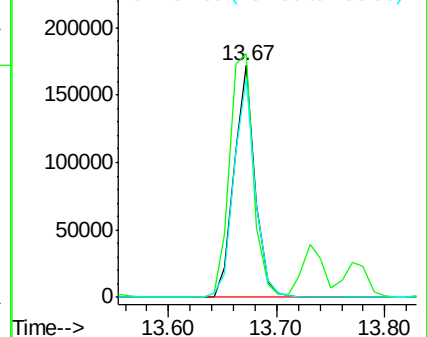
158 94.6 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.644 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063708.D

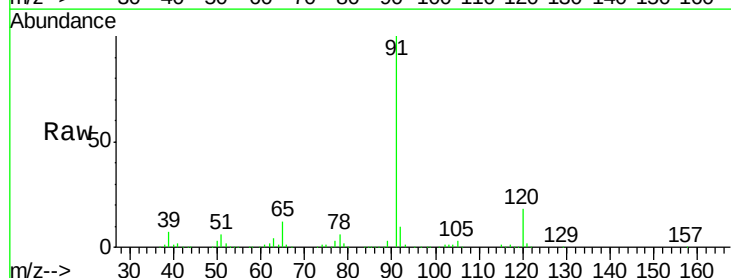
Acq: 21 Aug 2019 13:02

Tgt Ion: 91 Resp: 1032592

Ion Ratio Lower Upper

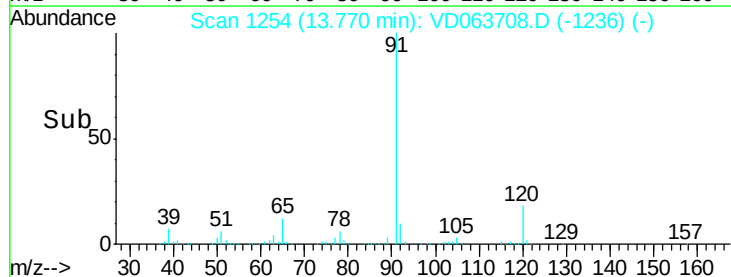
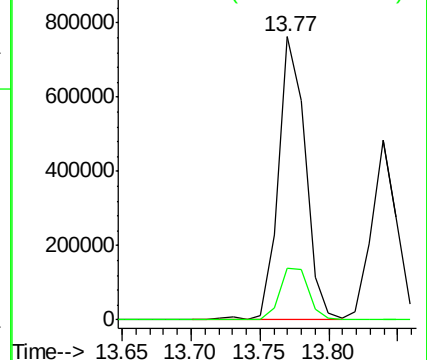
91 100

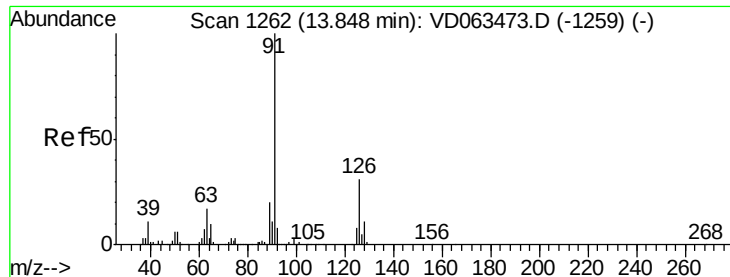
120 18.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.380 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

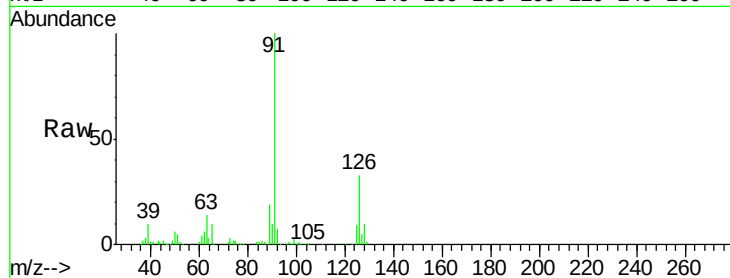
VD0821SBS01

Tot Ion: 91 Resp: 614722

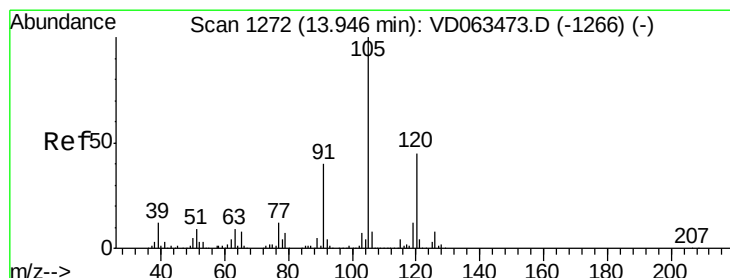
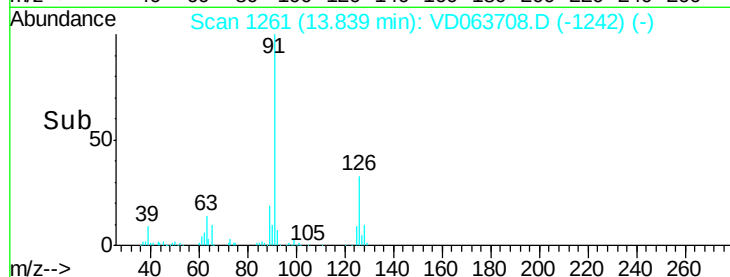
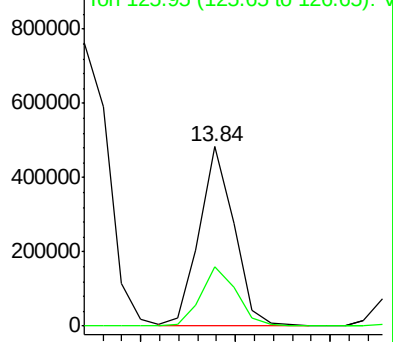
Ion Ratio Lower Upper

91 100

126 32.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.378 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063708.D

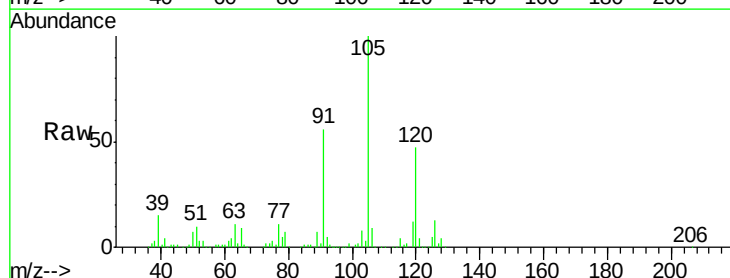
Acq: 21 Aug 2019 13:02

Tgt Ion:105 Resp: 727974

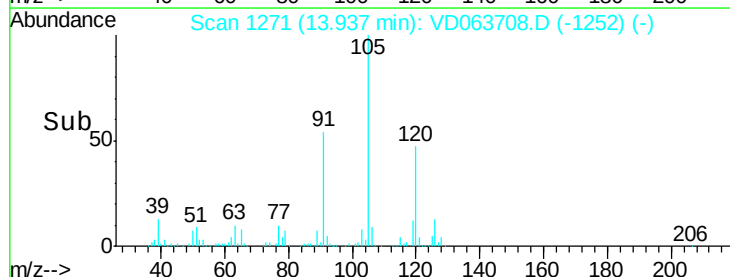
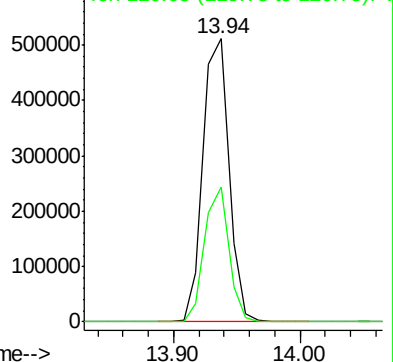
Ion Ratio Lower Upper

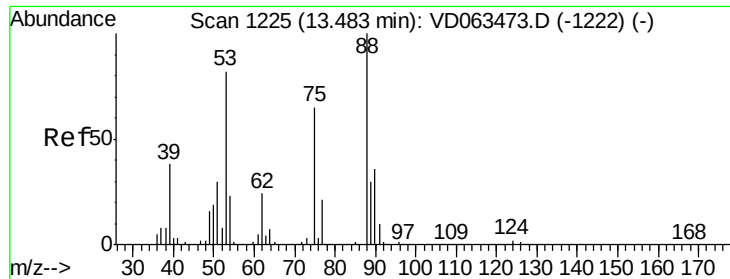
105 100

120 47.4 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

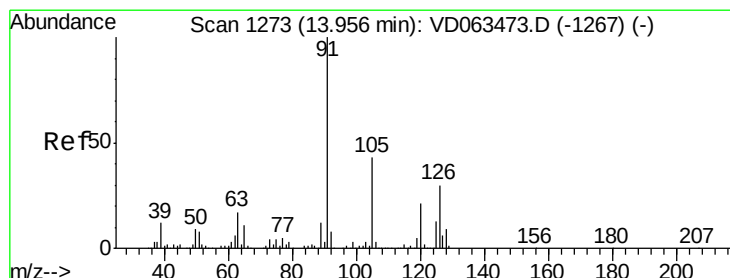
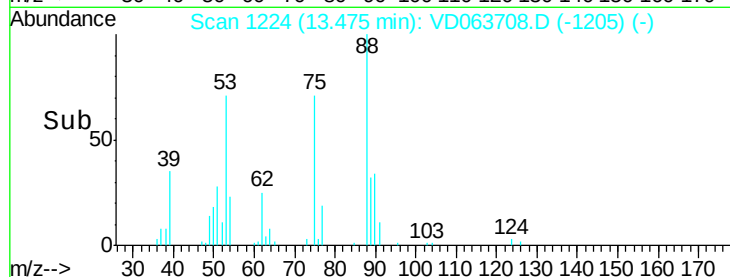
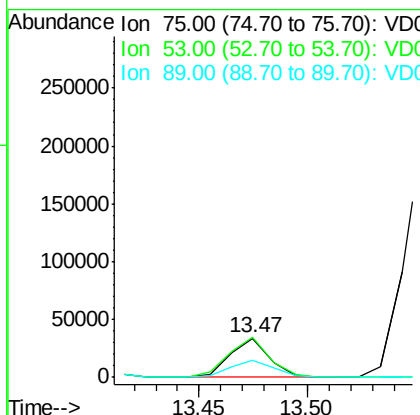
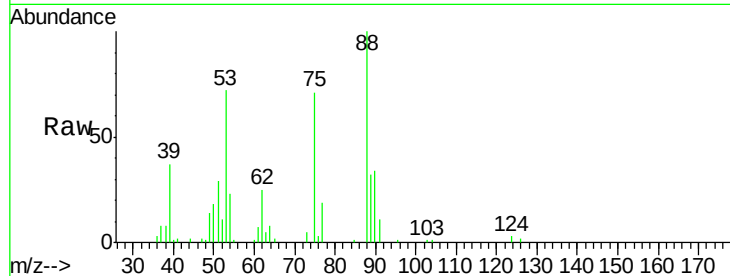




#81
trans-1,4-Dichloro-2-butene
Concen: 22.506 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

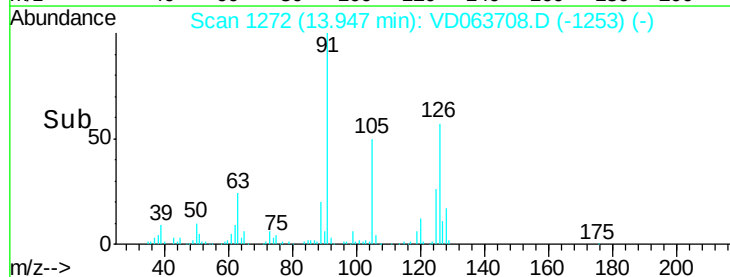
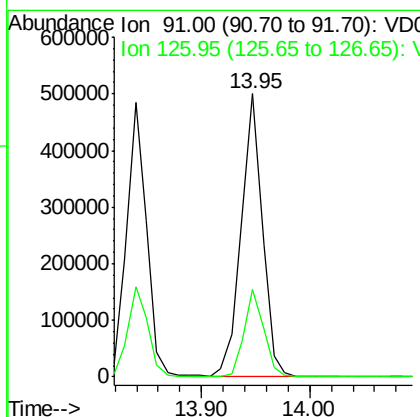
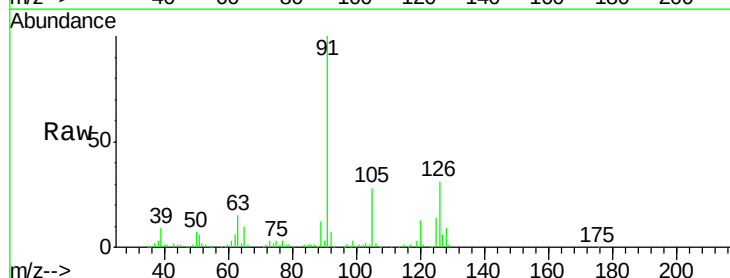
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

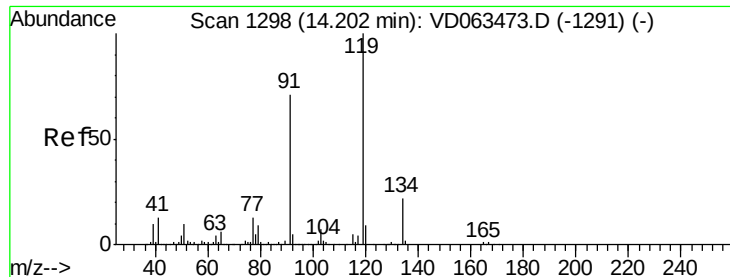
Tot Ion: 75 Resp: 42538
Ion Ratio Lower Upper
75 100
53 102.1 101.0 151.4
89 44.9 37.0 55.6



#82
4-Chlorotoluene
Concen: 21.740 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion: 91 Resp: 687342
Ion Ratio Lower Upper
91 100
126 30.9 15.2 45.6

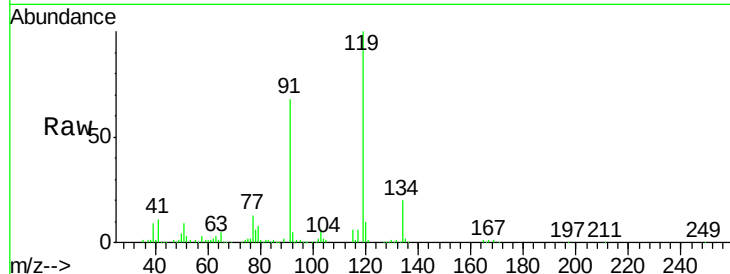




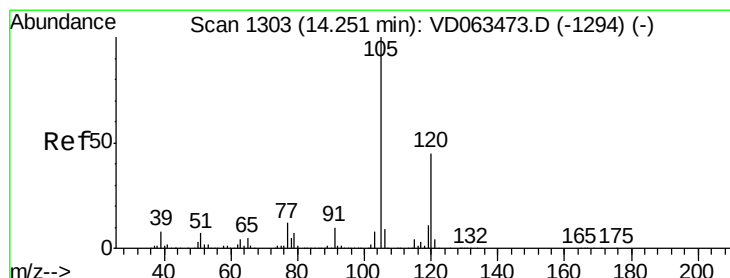
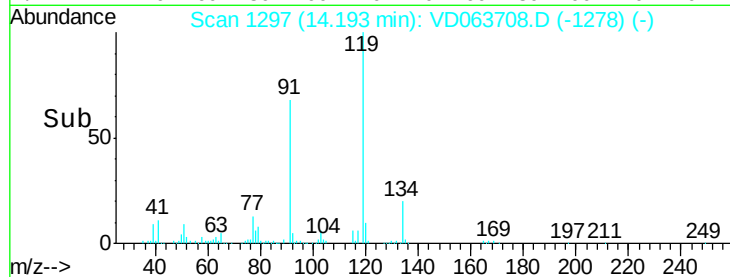
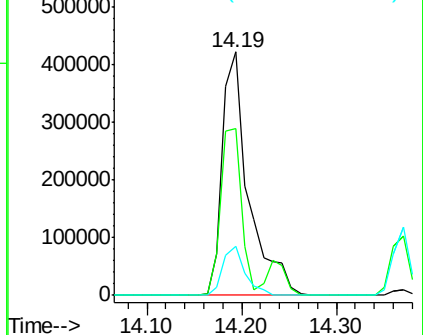
#83
 tert-Butylbenzene
 Concen: 22.761 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:119 Resp: 816179
 Ion Ratio Lower Upper
 119 100
 91 68.5 35.5 106.7
 134 20.0 11.1 33.1

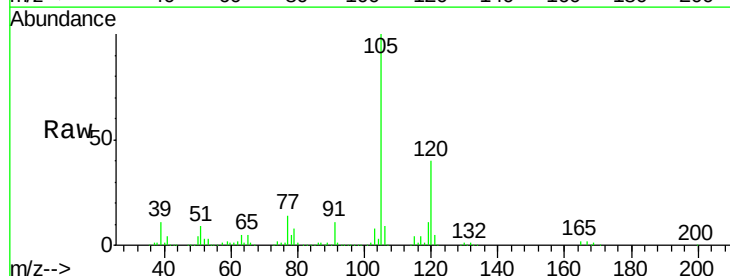


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

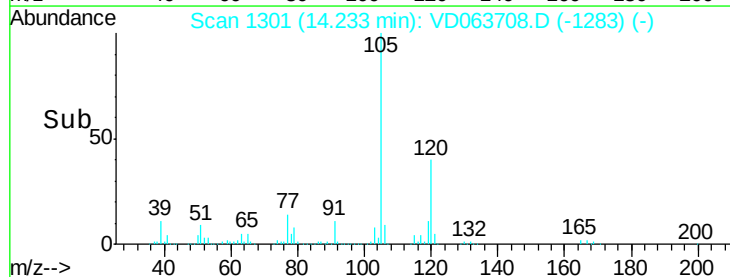
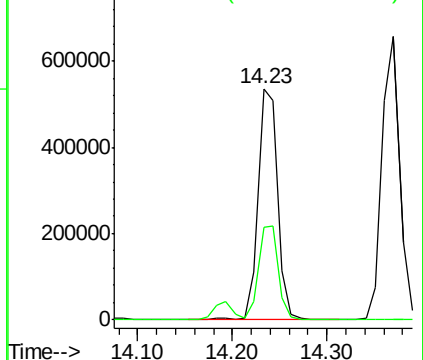


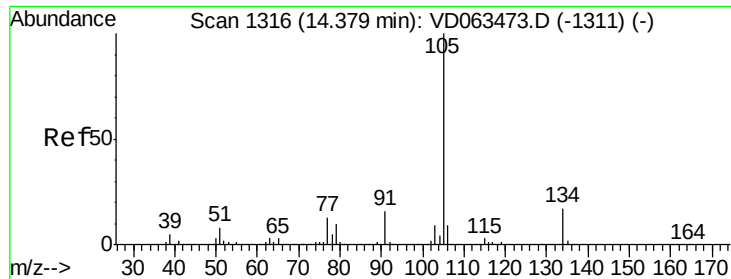
#84
 1,2,4-Trimethylbenzene
 Concen: 24.459 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion:105 Resp: 770649
 Ion Ratio Lower Upper
 105 100
 120 39.9 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: 22.493 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

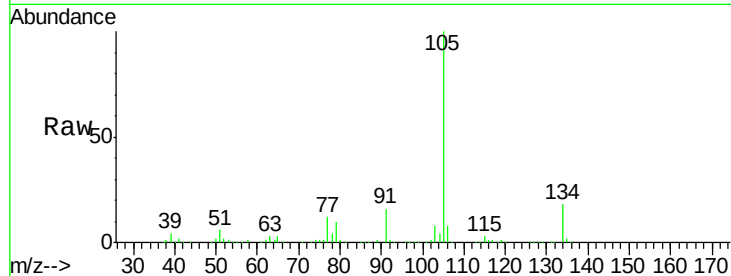
VD0821SBS01

Tot Ion:105 Resp: 856546

Ion Ratio Lower Upper

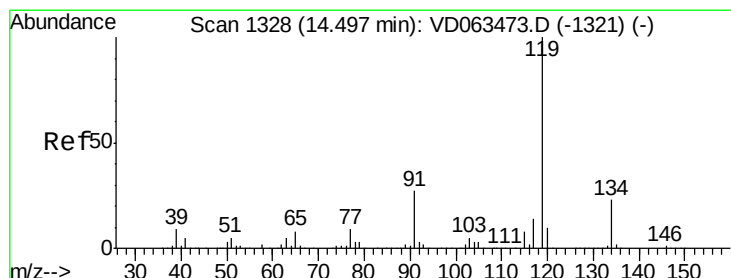
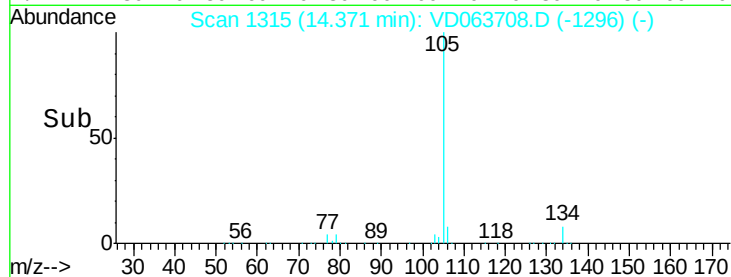
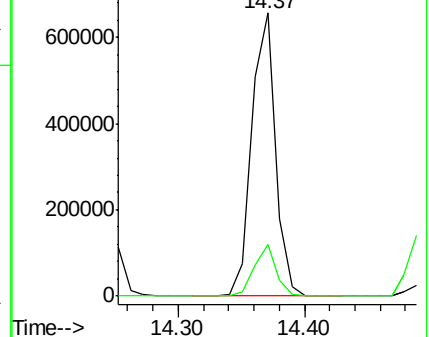
105 100

134 18.2 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: 21.330 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

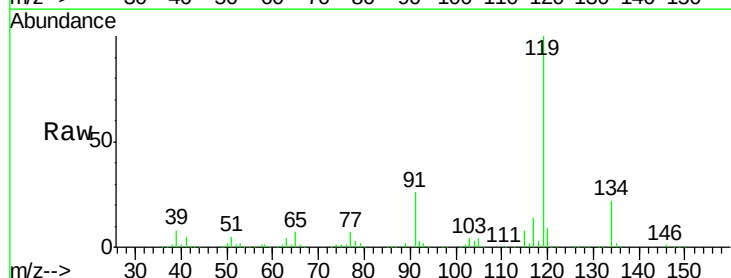
Tgt Ion:119 Resp: 776632

Ion Ratio Lower Upper

119 100

134 21.8 11.3 33.8

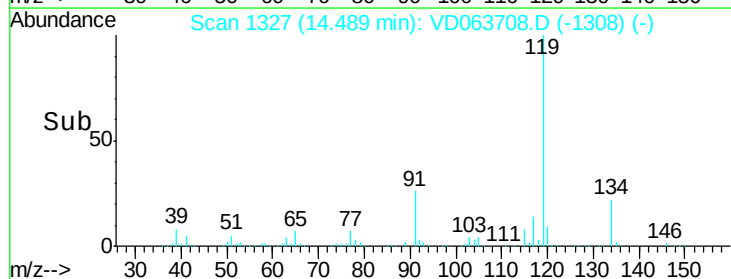
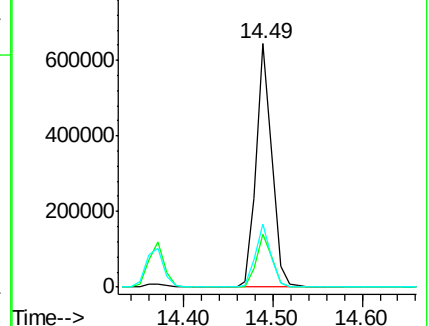
91 26.0 13.5 40.4

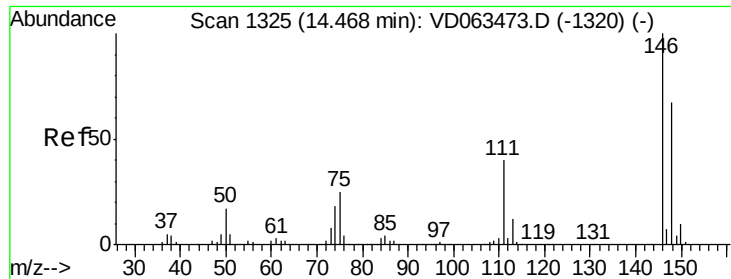


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

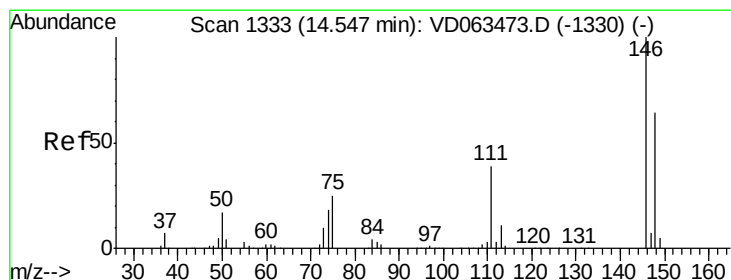
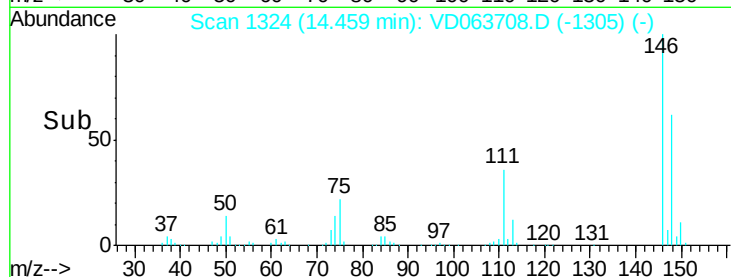
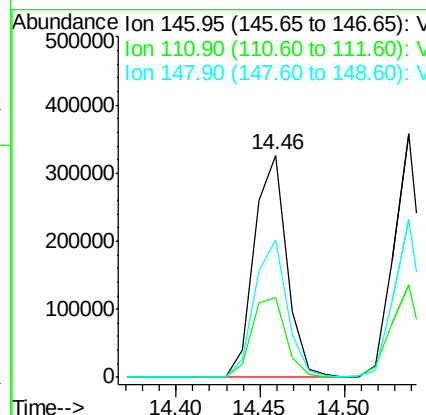
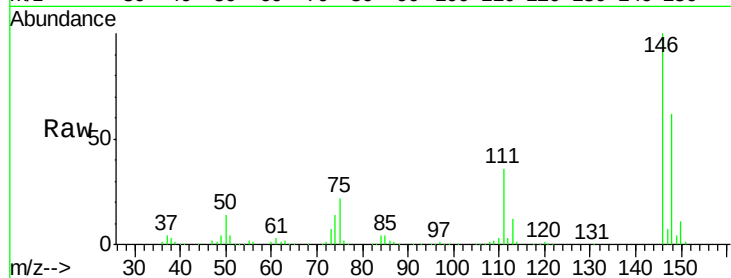




#87
 1,3-Dichlorobenzene
 Concen: 22.707 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

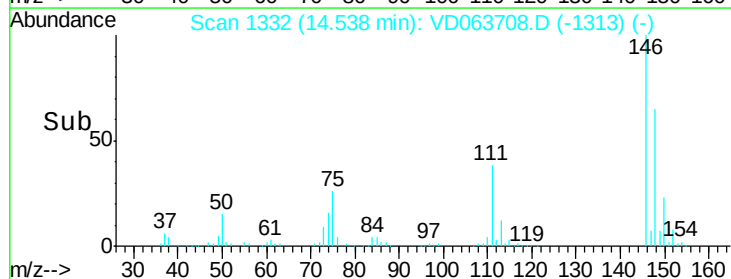
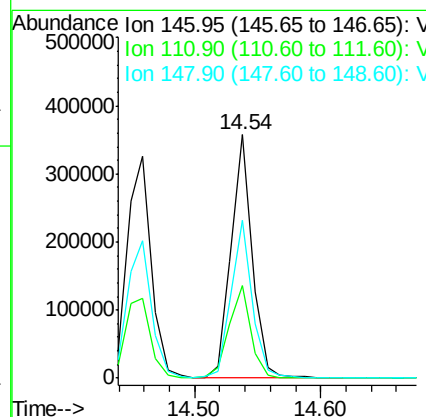
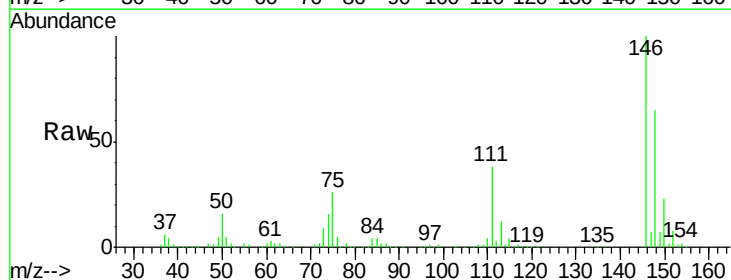
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

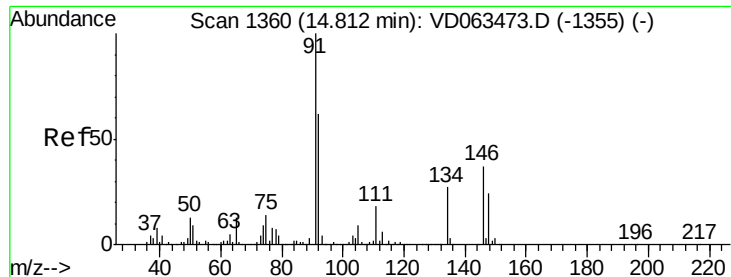
Tot Ion:146 Resp: 437482
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.0 60.0
 148 62.0 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.331 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion:146 Resp: 412779
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.7 59.0
 148 65.0 32.1 96.3





#89

n-Butylbenzene

Concen: 22.338 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

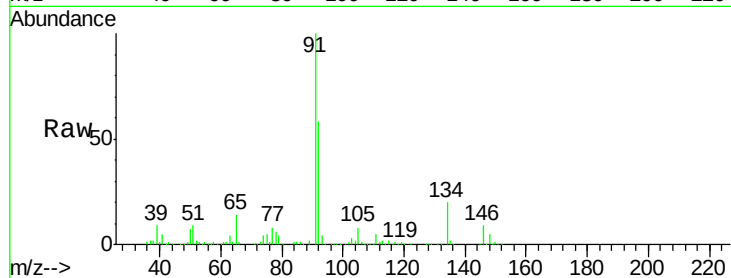
Tot Ion: 91 Resp: 742327

Ion Ratio Lower Upper

91 100

92 58.3 30.8 92.3

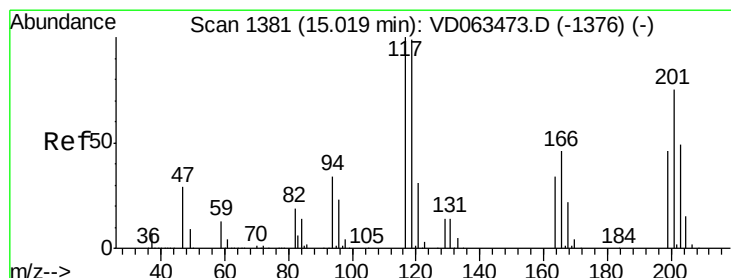
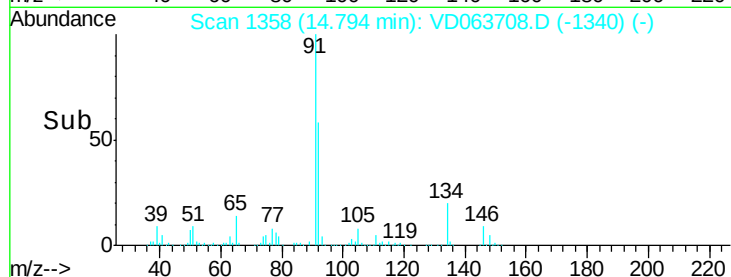
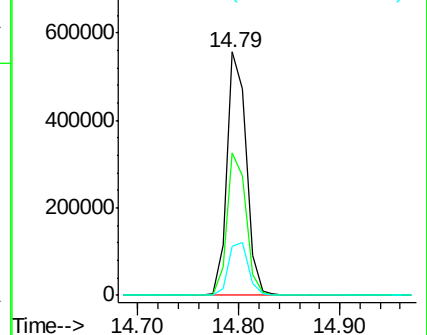
134 20.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.018 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063708.D

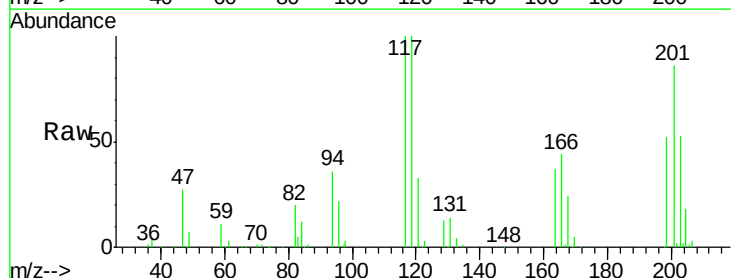
Acq: 21 Aug 2019 13:02

Tgt Ion: 117 Resp: 210660

Ion Ratio Lower Upper

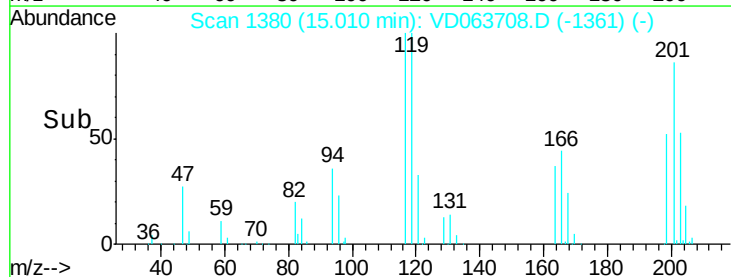
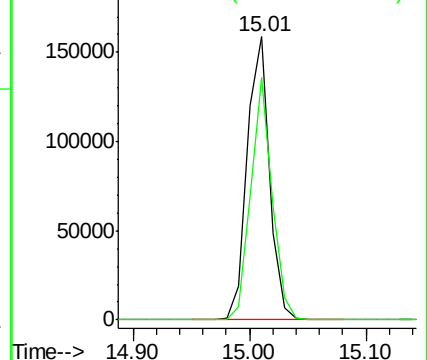
117 100

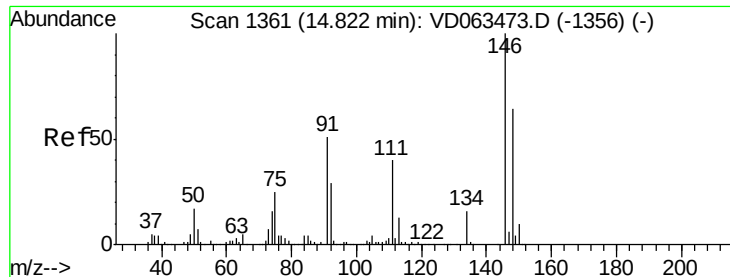
201 85.6 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 22.537 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

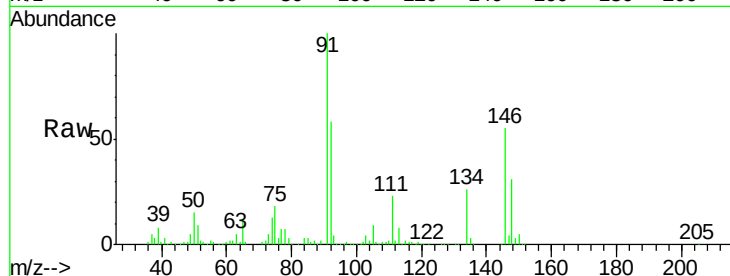
Tot Ion:146 Resp: 368404

Ion Ratio Lower Upper

146 100

111 42.3 20.2 60.6

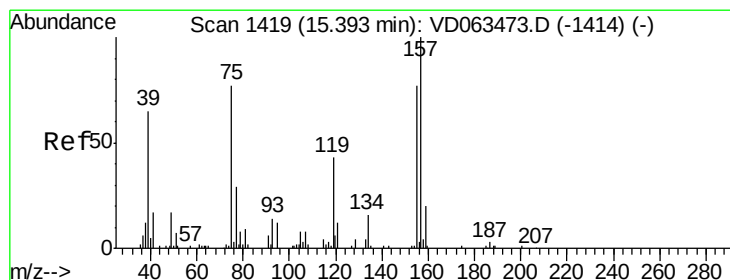
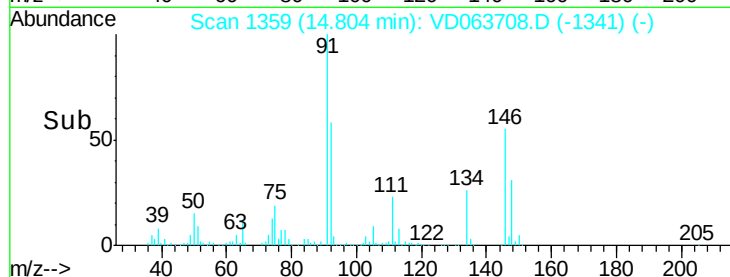
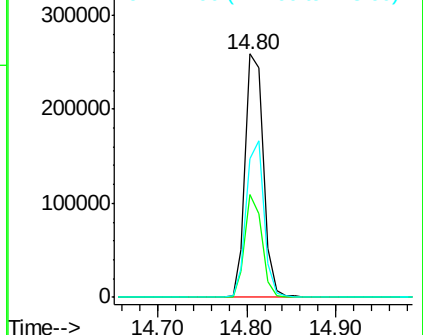
148 57.1 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.416 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063708.D

Acq: 21 Aug 2019 13:02

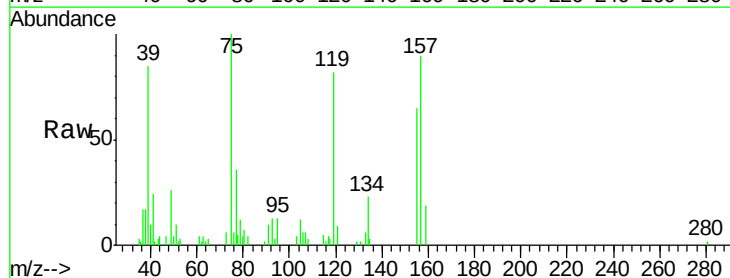
Tgt Ion: 75 Resp: 27304

Ion Ratio Lower Upper

75 100

155 64.9 50.1 150.3

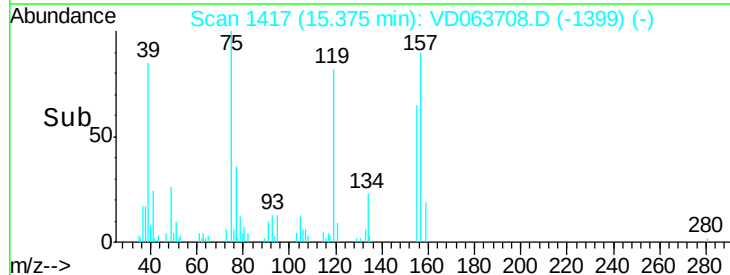
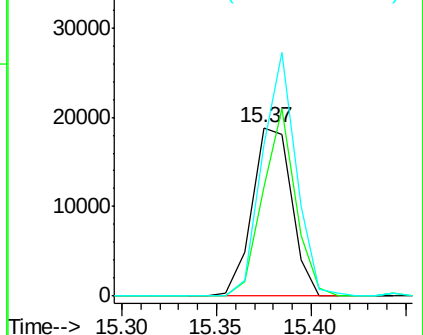
157 89.6 65.0 195.1

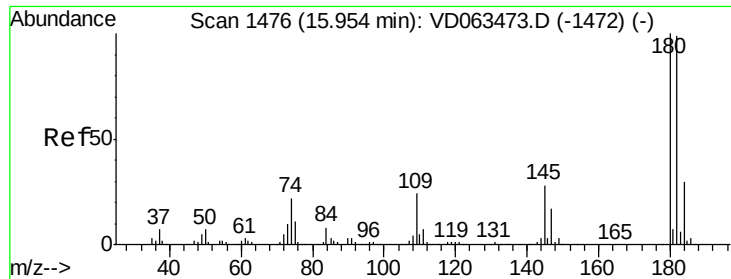


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

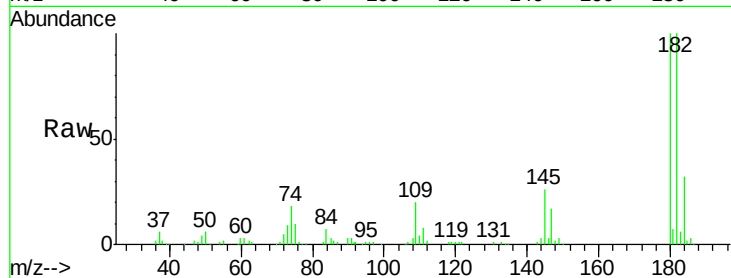




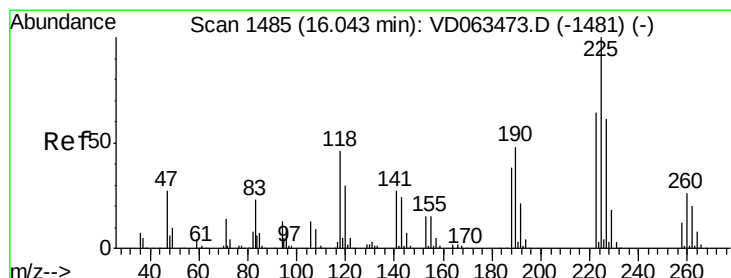
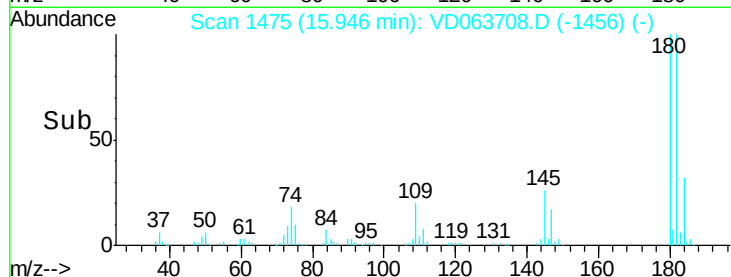
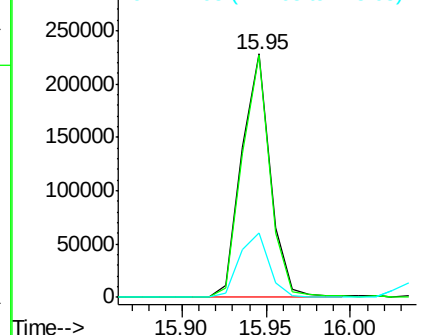
#93
 1,2,4-Trichlorobenzene
 Concen: 22.433 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	49.7	149.1
145	26.3	14.1	42.2

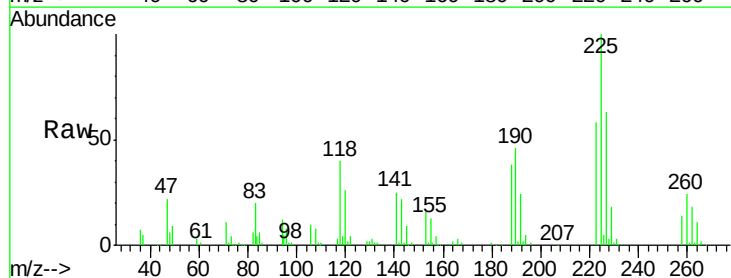


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

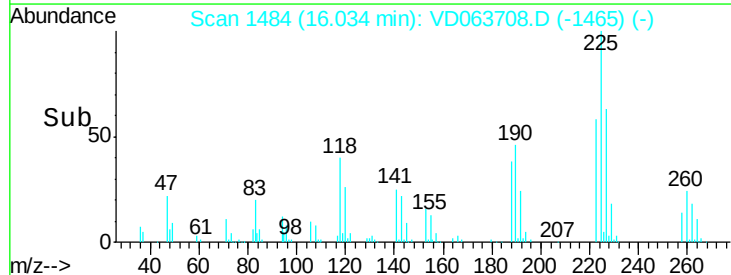
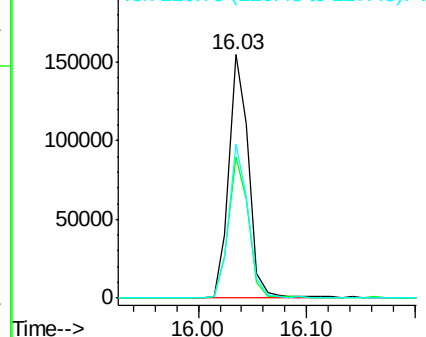


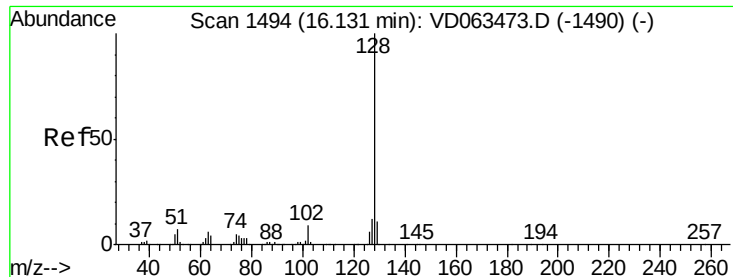
#94
 Hexachlorobutadiene
 Concen: 21.485 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063708.D
 Acq: 21 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	31.9	95.5
227	63.3	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

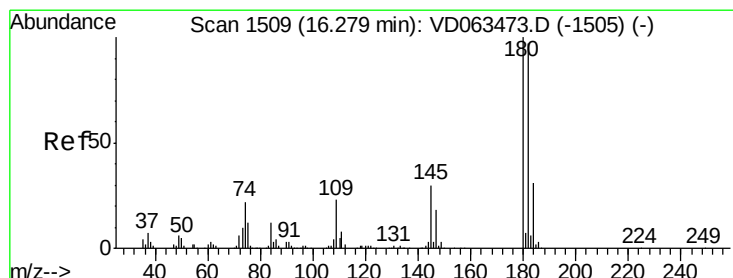
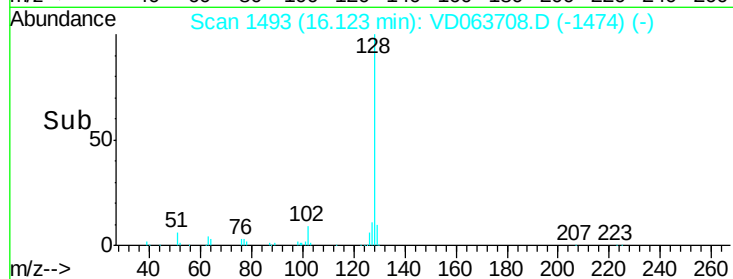
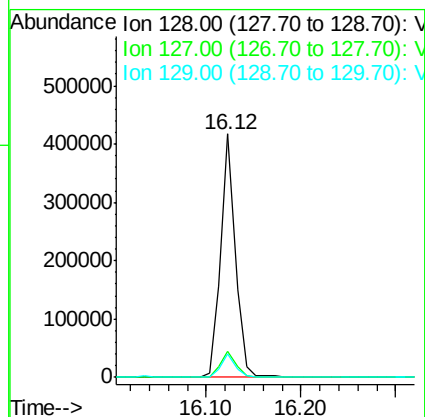
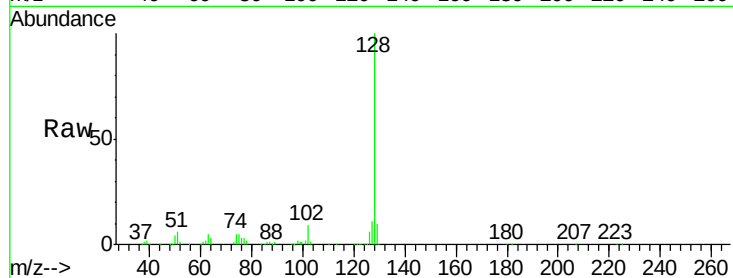




#95
Naphthalene
Concen: 24.871 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:128 Resp: 453369
Ion Ratio Lower Upper
128 100
127 10.8 9.4 14.0
129 9.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.193 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063708.D
Acq: 21 Aug 2019 13:02

Tgt Ion:180 Resp: 215604
Ion Ratio Lower Upper
180 100
182 95.1 48.4 145.2
145 26.4 14.9 44.9

