

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063831.D
 Acq On : 25 Sep 2019 19:15
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:09:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	266776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	419513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	415436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.36	65	251425	100.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.18%	
35) Dibromofluoromethane	7.94	113	258755	97.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.32%	
50) Toluene-d8	10.36	98	1037914	103.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.08%	
62) 4-Bromofluorobenzene	12.64	95	359265	99.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	195900	107.071	ug/l	95
3) Chloromethane	2.22	50	427490	77.103	ug/l	98
4) Vinyl Chloride	2.36	62	487341	86.126	ug/l	97
5) Bromomethane	2.76	94	322783	97.498	ug/l	99
6) Chloroethane	2.93	64	319675	82.033	ug/l	96
7) Trichlorofluoromethane	3.29	101	678380	89.172	ug/l	98
8) Diethyl Ether	3.73	74	111338	89.755	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	208506	92.391	ug/l	98
10) Methyl Iodide	4.31	142	310193	115.127	ug/l	99
11) Tert butyl alcohol	5.29	59	88643	455.467	ug/l	99
12) 1,1-Dichloroethene	4.08	96	211680	92.922	ug/l	99
13) Acrolein	3.94	56	119882	505.948	ug/l	97
14) Allyl chloride	4.73	41	325741	90.462	ug/l	97
15) Acrylonitrile	5.46	53	270026	492.746	ug/l	97
16) Acetone	4.19	43	251422	445.889	ug/l	98
17) Carbon Disulfide	4.42	76	748504	97.198	ug/l	97
18) Methyl Acetate	4.74	43	122156	87.988	ug/l	98
19) Methyl tert-butyl Ether	5.51	73	552928	96.947	ug/l	96
20) Methylene Chloride	4.99	84	270910	79.853	ug/l	99
21) trans-1,2-Dichloroethene	5.49	96	256813	96.851	ug/l	93
22) Diisopropyl ether	6.40	45	667989	89.819	ug/l	99
23) Vinyl Acetate	6.33	43	2058663	468.004	ug/l	98
24) 1,1-Dichloroethane	6.29	63	418663	92.660	ug/l	97
25) 2-Butanone	7.25	43	337952	458.454	ug/l	98
26) 2,2-Dichloropropane	7.23	77	387877	91.794	ug/l	98
27) cis-1,2-Dichloroethene	7.24	96	286576	96.316	ug/l	99
28) Bromochloromethane	7.57	49	173223	97.703	ug/l #	97
29) Tetrahydrofuran	7.59	42	203844	461.503	ug/l	97
30) Chloroform	7.73	83	456485	93.016	ug/l	97
31) Cyclohexane	8.00	56	377858	83.778	ug/l	91
32) 1,1,1-Trichloroethane	7.93	97	428240	96.504	ug/l	96
36) 1,1-Dichloropropene	8.13	75	353417	92.359	ug/l	98
37) Ethyl Acetate	7.32	43	143296	89.664	ug/l	97
38) Carbon Tetrachloride	8.11	117	387637	97.328	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	452340	94.935	ug/l	97
40) Benzene	8.37	78	1005345	95.398	ug/l	97
41) Methacrylonitrile	7.55	41	84339	89.355	ug/l	96
42) 1,2-Dichloroethane	8.45	62	292786	95.009	ug/l	99
43) Isopropyl Acetate	8.48	43	297107	92.734	ug/l	99
44) Trichloroethene	9.13	130	294563	96.518	ug/l	92
45) 1,2-Dichloropropane	9.41	63	247762	95.174	ug/l	94
46) Dibromomethane	9.50	93	142244	96.810	ug/l	96
47) Bromodichloromethane	9.68	83	374127	98.775	ug/l	97
48) Methyl methacrylate	9.47	41	135393	92.914	ug/l	94
49) 1,4-Dioxane	9.48	88	41239	2011.901	ug/l	96
51) 4-Methyl-2-Pentanone	10.25	43	759931	470.829	ug/l	99
52) Toluene	10.42	92	702235	98.275	ug/l	99
53) t-1,3-Dichloropropene	10.64	75	377870	100.647	ug/l	99
54) cis-1,3-Dichloropropene	10.11	75	421665	98.942	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	202126	97.355	ug/l	95
56) Ethyl methacrylate	10.68	69	270916	102.666	ug/l	94
57) 1,3-Dichloropropane	10.96	76	340058	96.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	555830	471.276	ug/l	98
59) 2-Hexanone	11.00	43	544487	472.803	ug/l	99
60) Dibromochloromethane	11.16	129	283795	103.580	ug/l	99
61) 1,2-Dibromoethane	11.26	107	208170	100.298	ug/l	100
64) Tetrachloroethene	10.89	164	272273	97.296	ug/l	97
65) Chlorobenzene	11.68	112	798882	95.597	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.76	131	308377	100.410	ug/l	99
67) Ethyl Benzene	11.76	91	1456862	96.513	ug/l	97
68) m/p-Xylenes	11.87	106	1120692	193.334	ug/l	99
69) o-Xylene	12.20	106	531528	97.149	ug/l	99
70) Styrene	12.21	104	931239	100.569	ug/l	99
71) Bromoform	12.37	173	175929	103.118	ug/l	96
73) Isopropylbenzene	12.49	105	1439724	95.721	ug/l	100
74) N-amyl acetate	12.30	43	303391	92.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	232565	92.765	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	307542	220.216	ug/l #	100
77) Bromobenzene	12.77	156	360255	99.664	ug/l	98
78) n-propylbenzene	12.83	91	1671800	94.477	ug/l	98
79) 2-Chlorotoluene	12.92	91	911867	95.539	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	1207693	96.319	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	81012	96.898	ug/l	95
82) 4-Chlorotoluene	13.02	91	942276	92.547	ug/l	98
83) tert-Butylbenzene	13.24	119	1068069	97.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1226713	96.370	ug/l	98
85) sec-Butylbenzene	13.41	105	1460954	95.834	ug/l	100
86) p-Isopropyltoluene	13.53	119	1426194	99.613	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	717224	101.058	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	690386	97.810	ug/l	97
89) n-Butylbenzene	13.86	91	1279835	93.923	ug/l	98
90) Hexachloroethane	14.13	117	264281	99.656	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	608710	99.989	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40061	94.705	ug/l	97

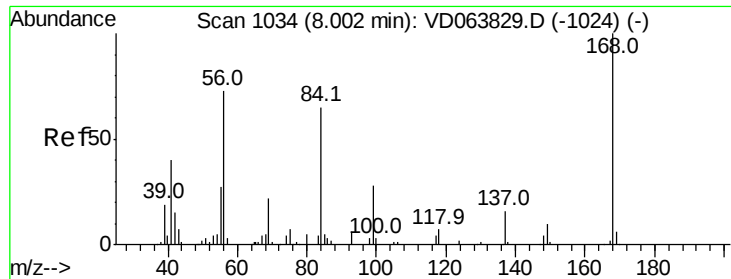
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	473651	102.454	ug/l	98
94) Hexachlorobutadiene	15.28	225	265876	101.502	ug/l	99
95) Naphthalene	15.41	128	827096	99.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	409465	99.901	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

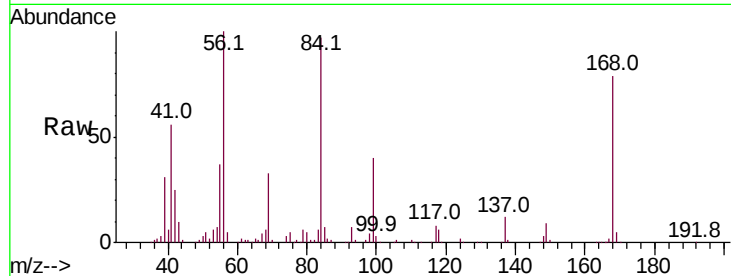
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 266776

Ion Ratio Lower Upper

168 100

99 50.6 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

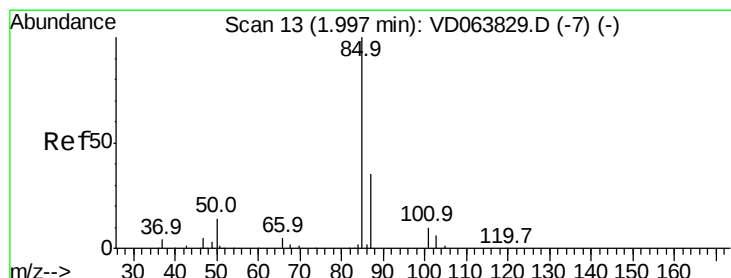
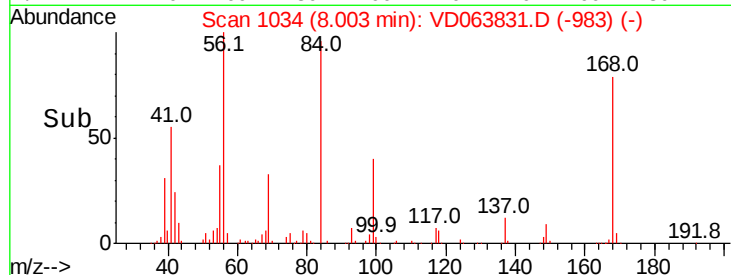
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 107.071 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063831.D

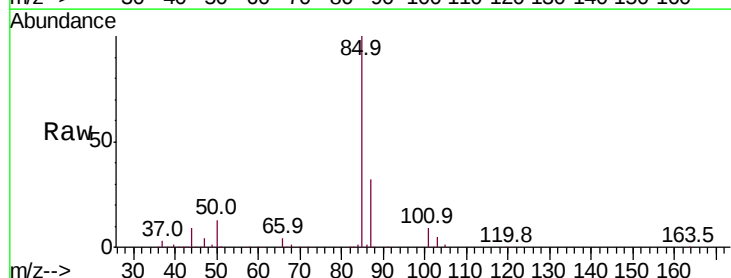
Acq: 25 Sep 2019 19:15

Tgt Ion: 85 Resp: 195900

Ion Ratio Lower Upper

85 100

87 31.9 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

150000

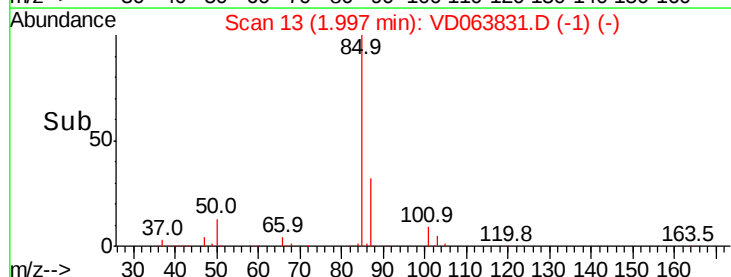
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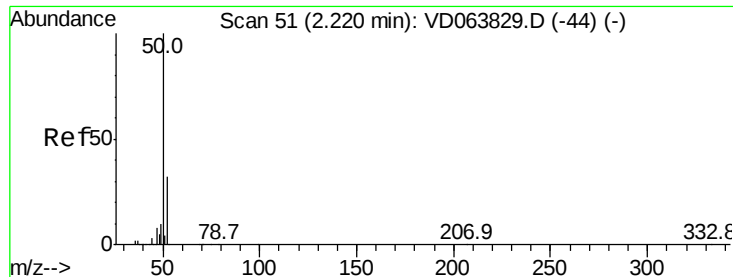
50000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 77.103 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

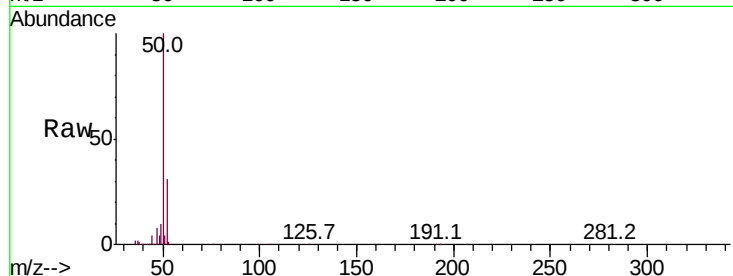
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 427490

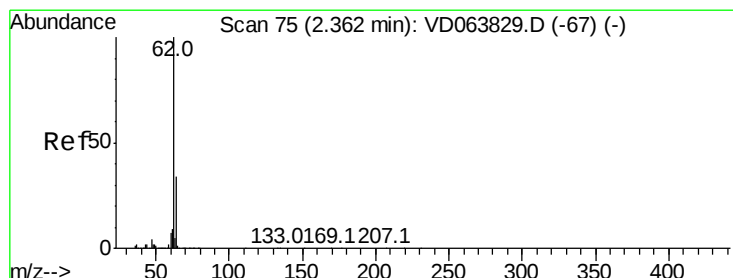
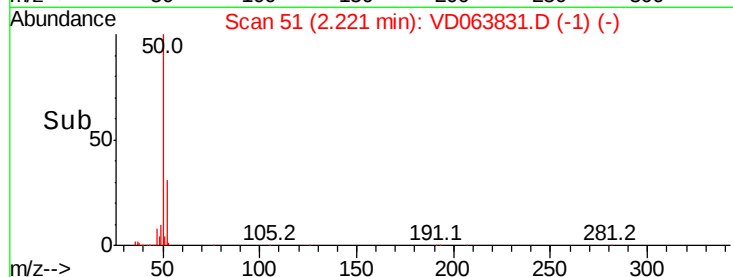
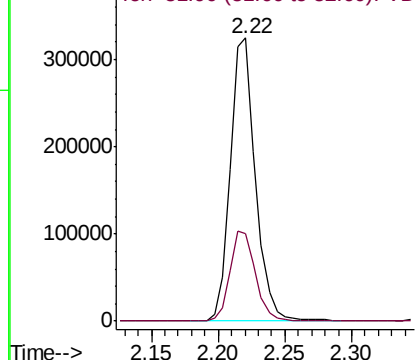
Ion Ratio Lower Upper

50 100

52 30.8 25.6 38.4



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



#4

Vinyl Chloride

Concen: 86.126 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063831.D

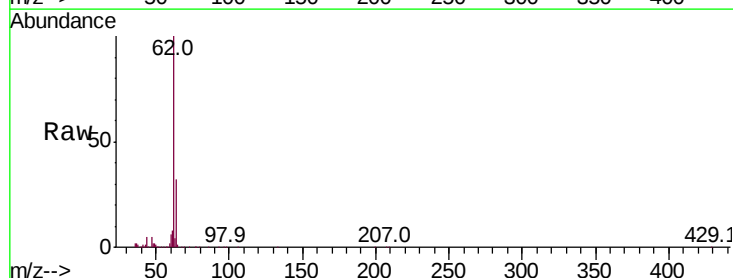
Acq: 25 Sep 2019 19:15

Tgt Ion: 62 Resp: 487341

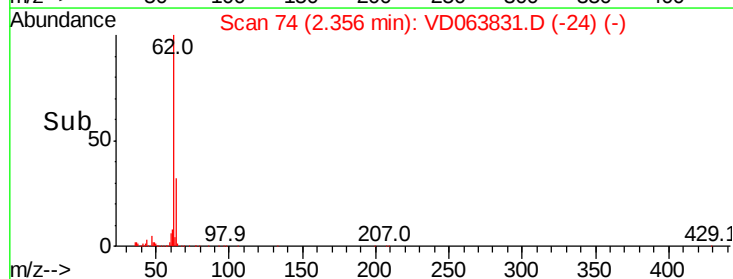
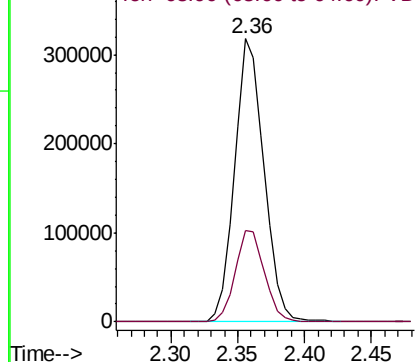
Ion Ratio Lower Upper

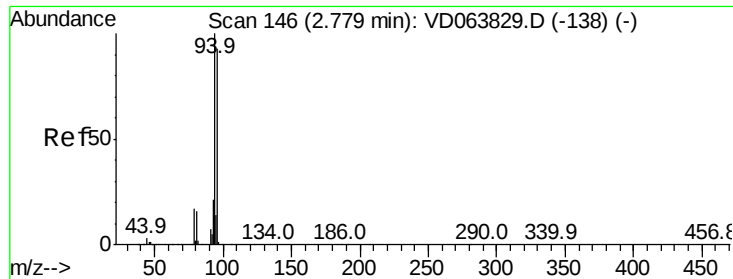
62 100

64 32.3 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 97.498 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.02 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

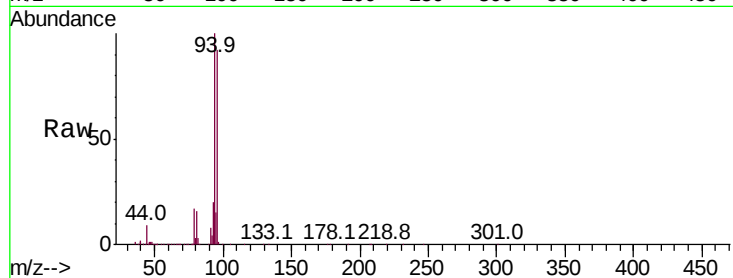
ClientSampleId :

Tot Ion: 94 Resp: 322783

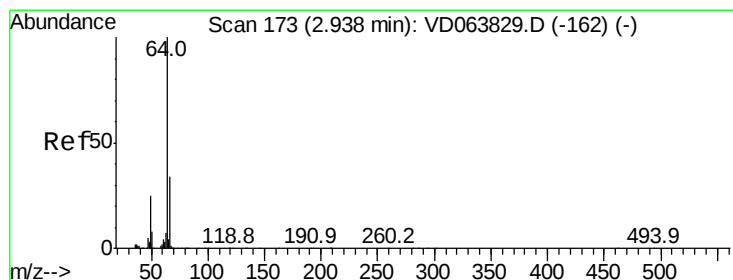
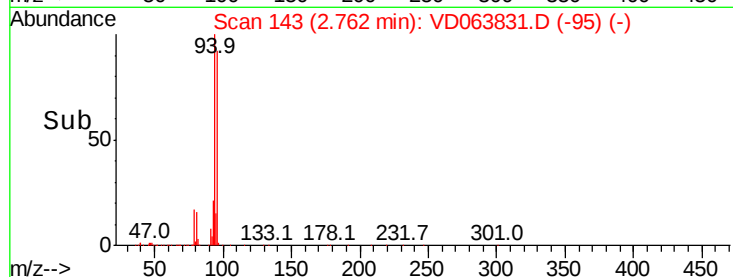
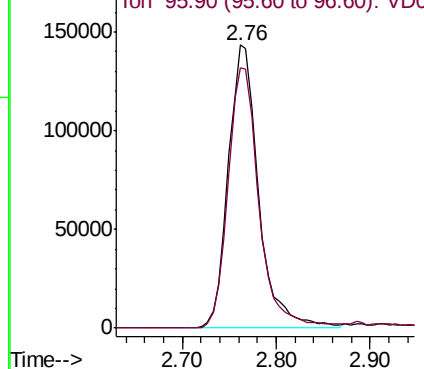
Ion Ratio Lower Upper

94 100

96 91.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC



#6

Chloroethane

Concen: 82.033 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD063831.D

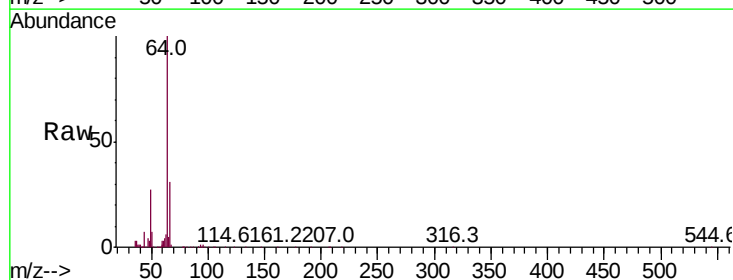
Acq: 25 Sep 2019 19:15

Tgt Ion: 64 Resp: 319675

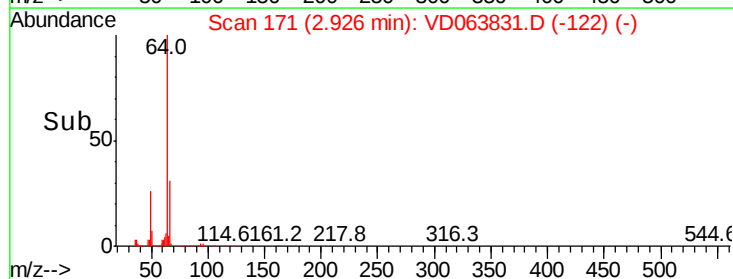
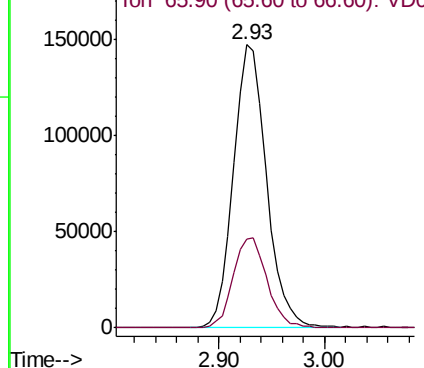
Ion Ratio Lower Upper

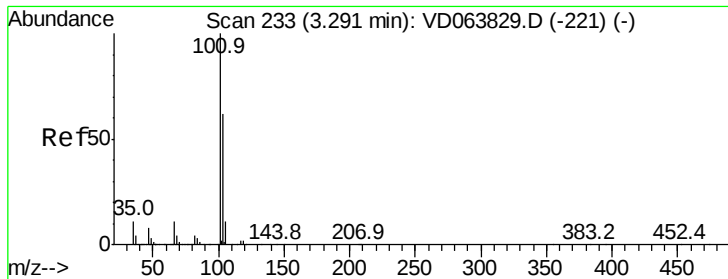
64 100

66 31.3 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC



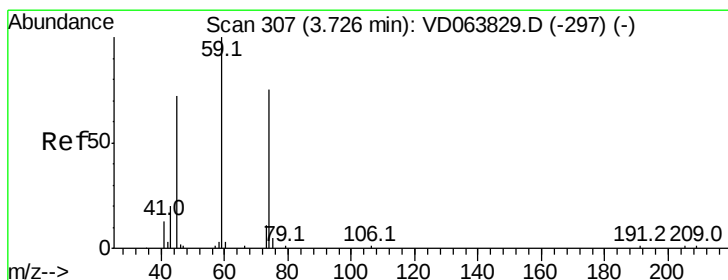
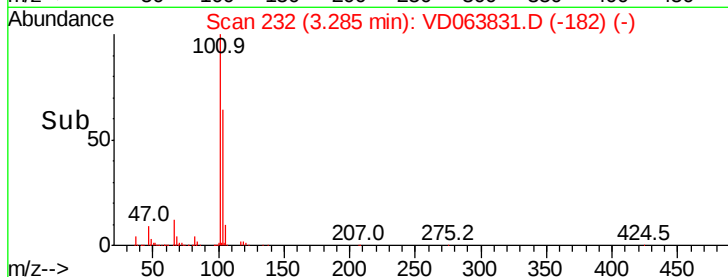
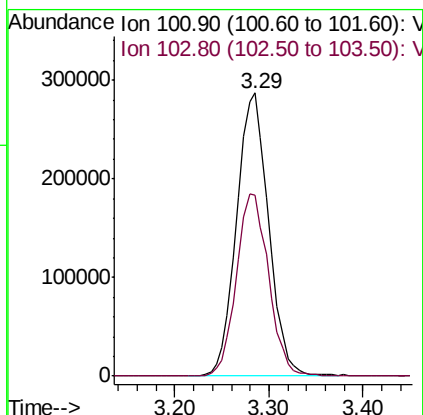
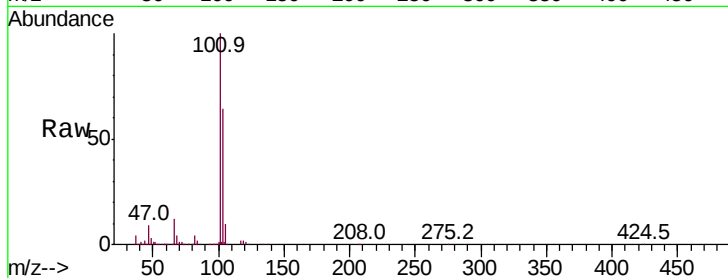


#7

Trichlorofluoromethane
Concen: 89.172 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

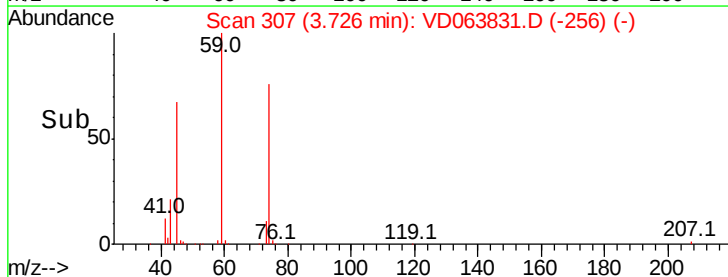
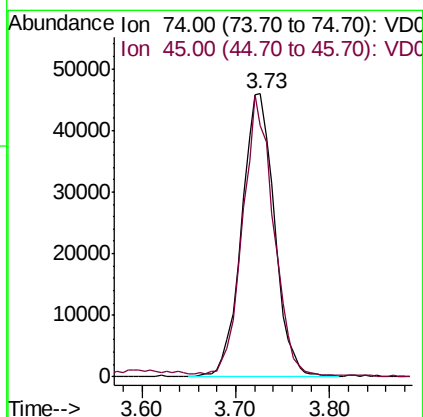
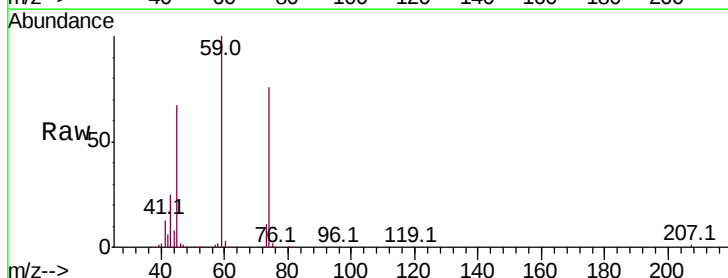
Tot Ion:101 Resp: 678380
Ion Ratio Lower Upper
101 100
103 63.8 49.8 74.8

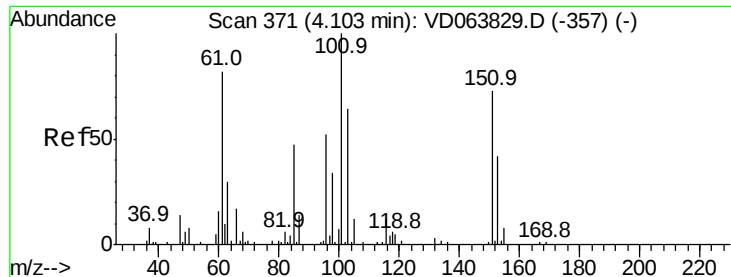


#8

Diethyl Ether
Concen: 89.755 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 74 Resp: 111338
Ion Ratio Lower Upper
74 100
45 92.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.391 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

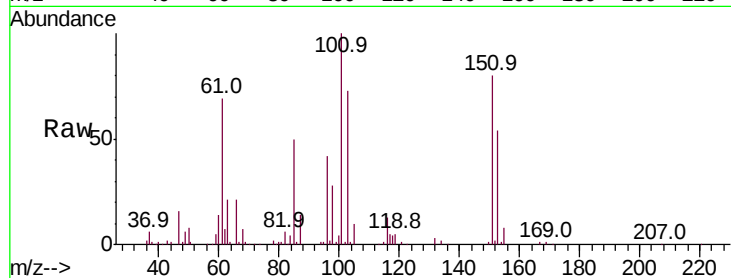
Tot Ion:101 Resp: 208506

Ion Ratio Lower Upper

101 100

85 45.3 37.8 56.6

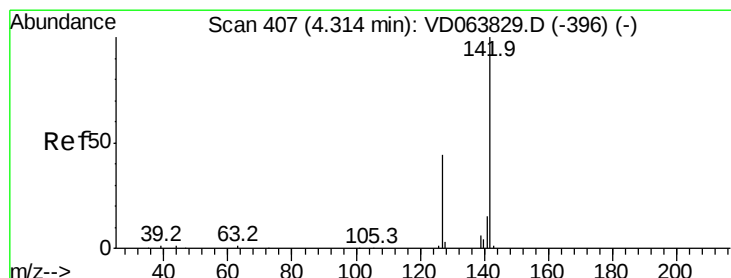
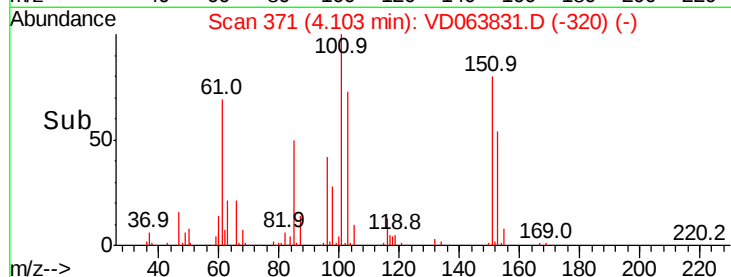
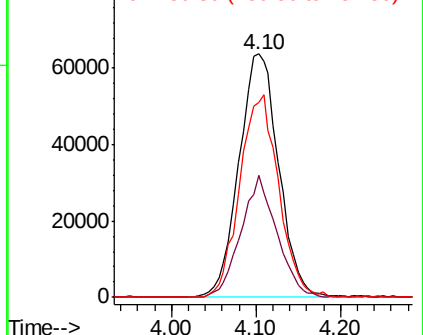
151 81.4 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 115.127 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

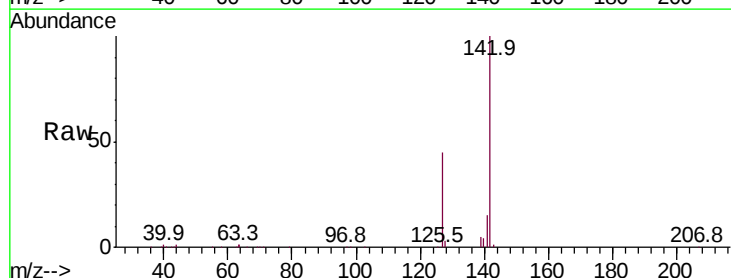
Tgt Ion:142 Resp: 310193

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.6

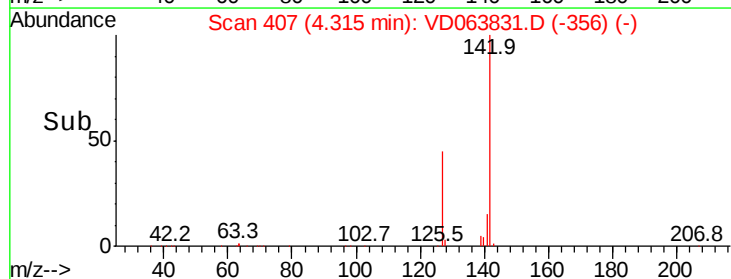
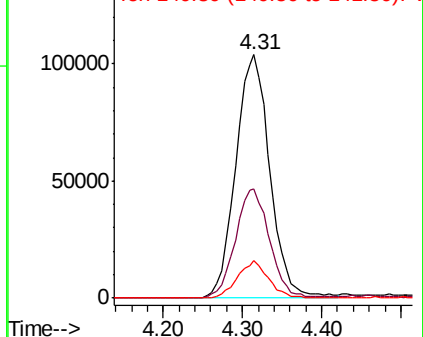
141 14.0 11.9 17.9

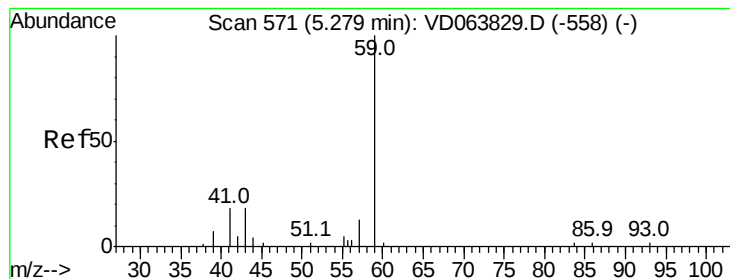


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



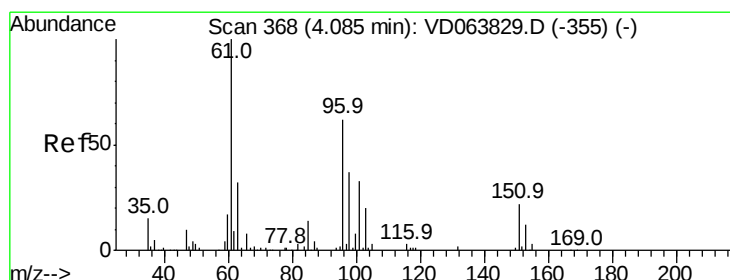
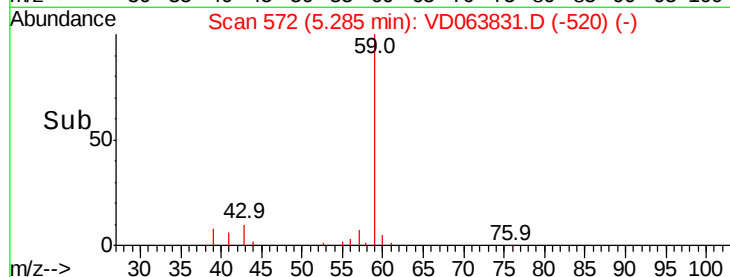
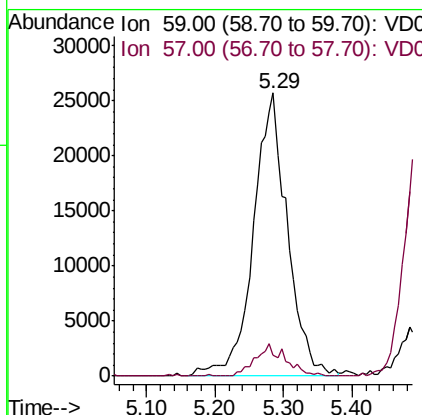
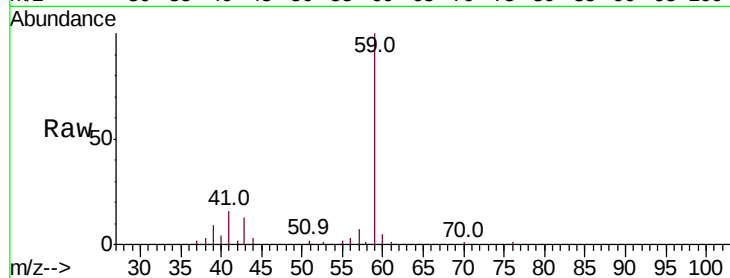


#11

Tert butyl alcohol
Concen: 455.467 ug/l
RT: 5.29 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampled :

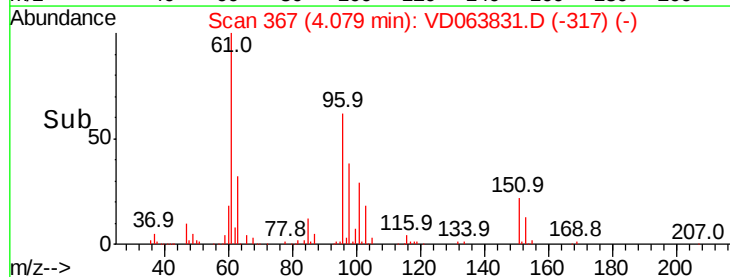
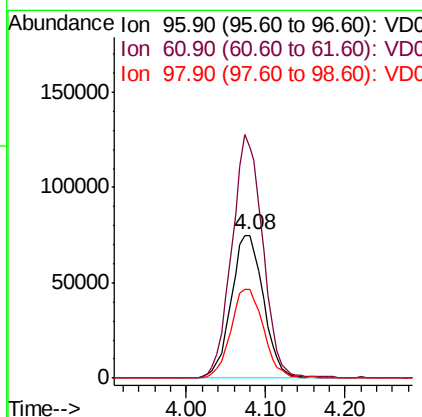
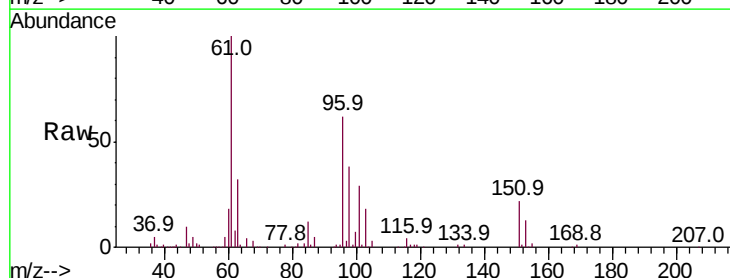
Tot Ion: 59 Resp: 88643
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

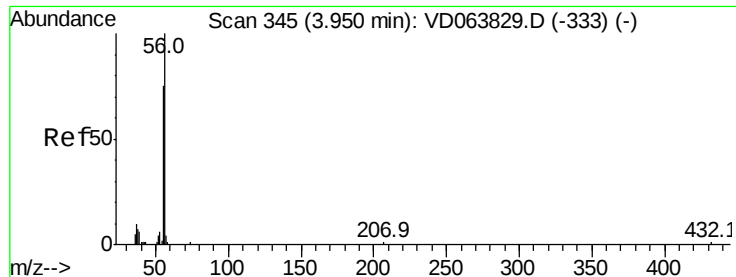


#12

1,1-Dichloroethene
Concen: 92.922 ug/l
RT: 4.08 min Scan# 367
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 96 Resp: 211680
Ion Ratio Lower Upper
96 100
61 161.2 129.0 193.4
98 61.9 47.8 71.6





#13

Acrolein

Concen: 505.948 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

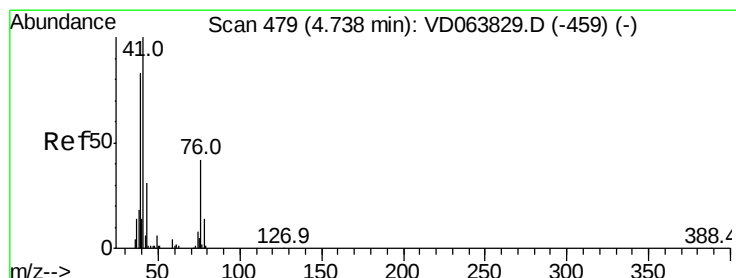
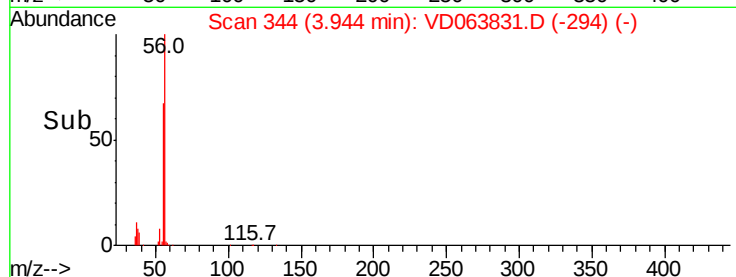
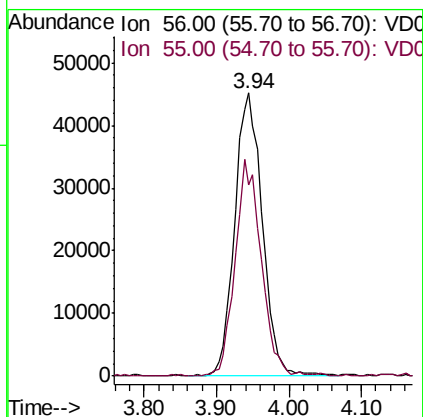
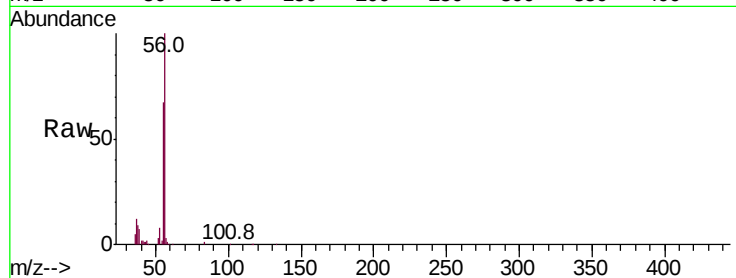
ClientSampleId :

Tot Ion: 56 Resp: 119882

Ion Ratio Lower Upper

56 100

55 71.4 55.0 82.6



#14

Allyl chloride

Concen: 90.462 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

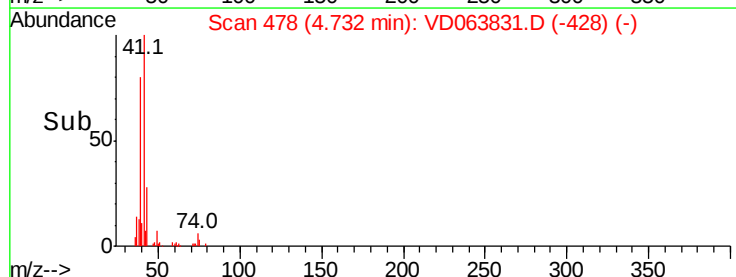
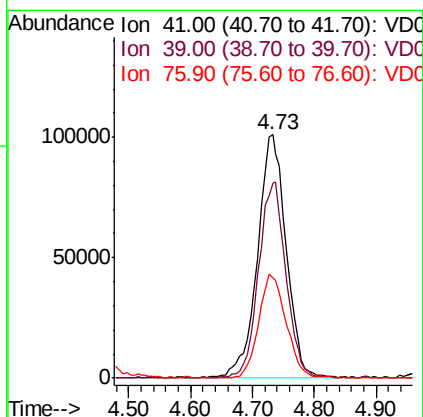
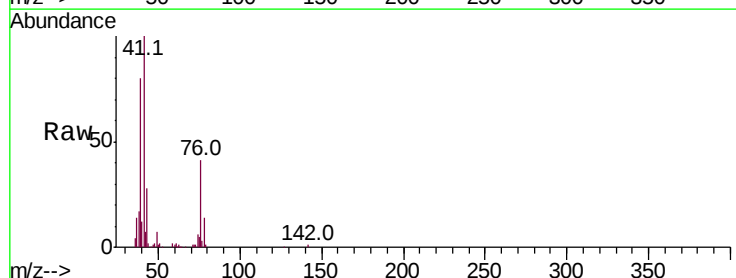
Tgt Ion: 41 Resp: 325741

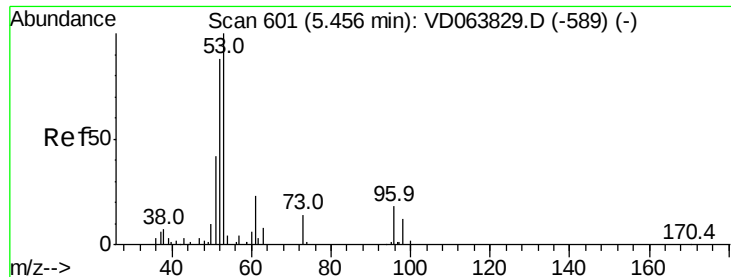
Ion Ratio Lower Upper

41 100

39 77.2 63.7 95.5

76 40.2 33.5 50.3





#15

Acrylonitrile

Concen: 492.746 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

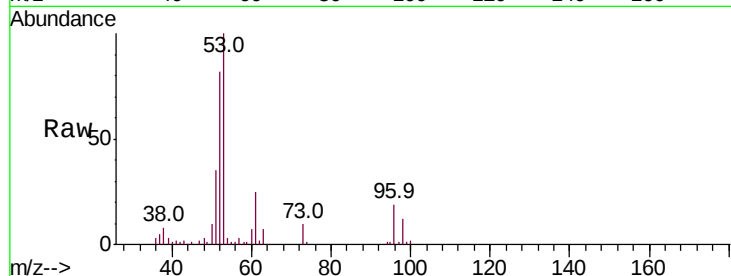
Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 53 Resp: 270026

Ion	Ratio	Lower	Upper
53	100		
52	82.6	68.7	103.1
51	37.9	30.7	46.1

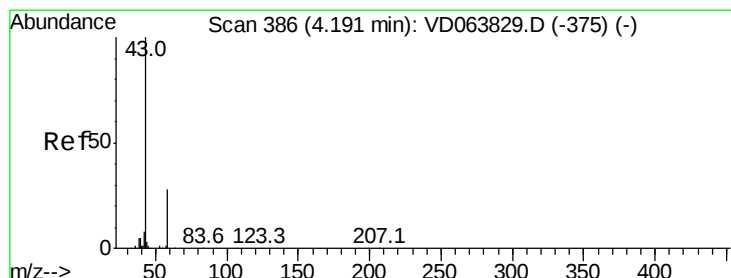
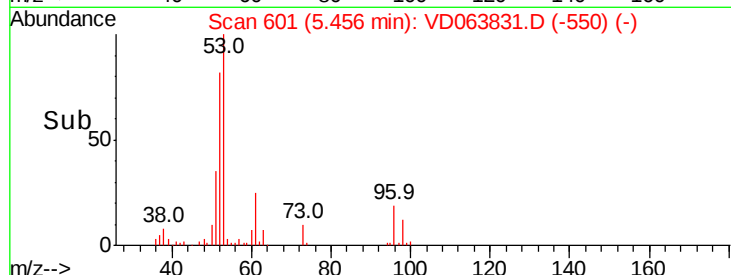
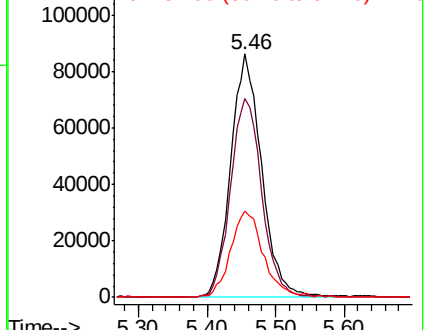


Abundance

Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 445.889 ug/l

RT: 4.19 min Scan# 386

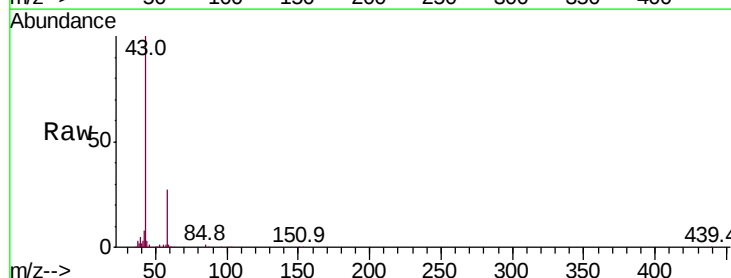
Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Tgt Ion: 43 Resp: 251422

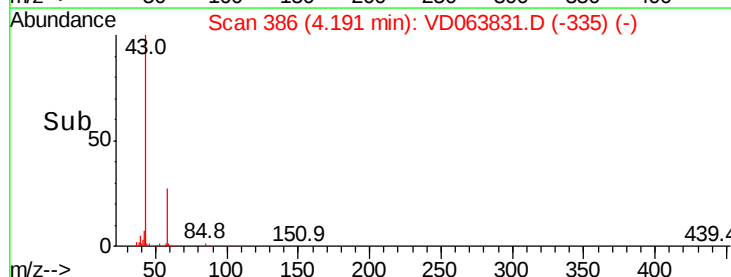
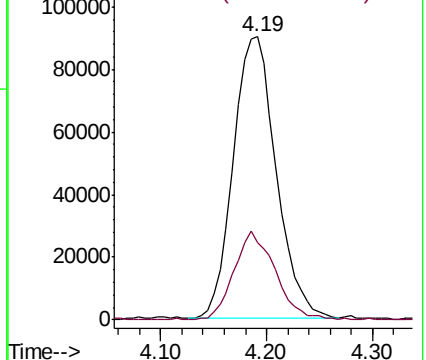
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.6	34.0

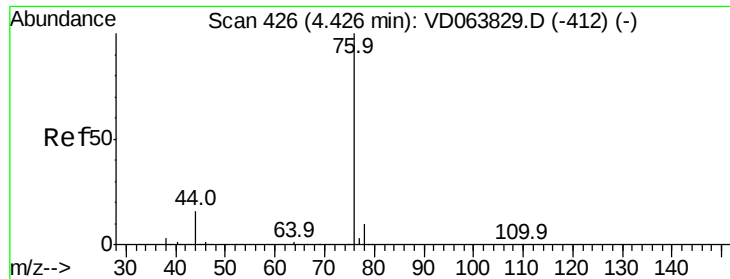


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

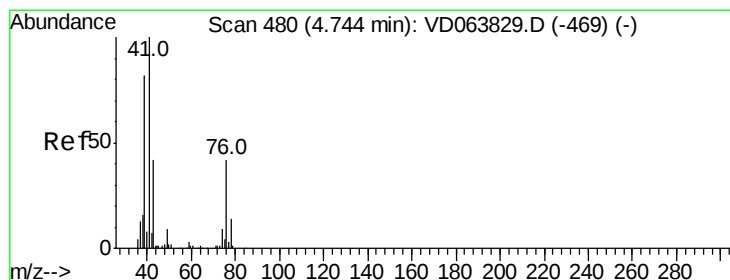
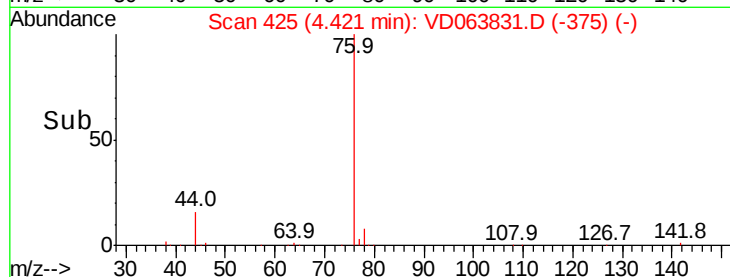
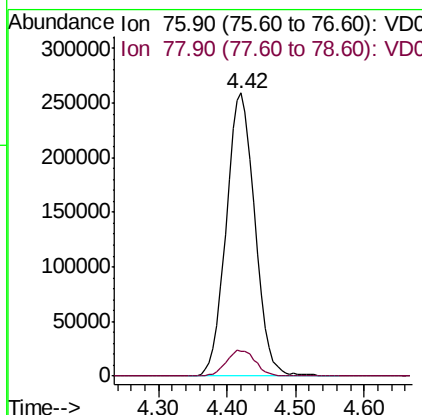
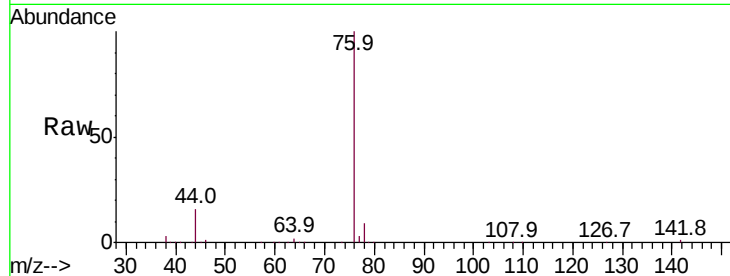




#17
Carbon Disulfide
Concen: 97.198 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

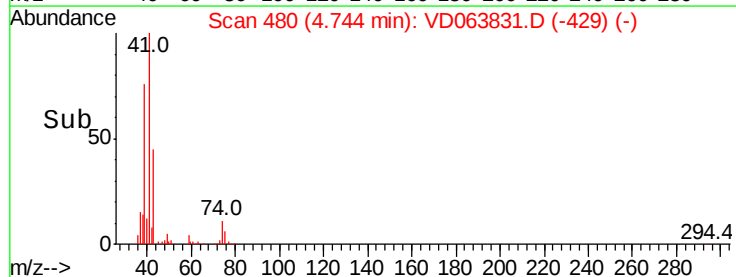
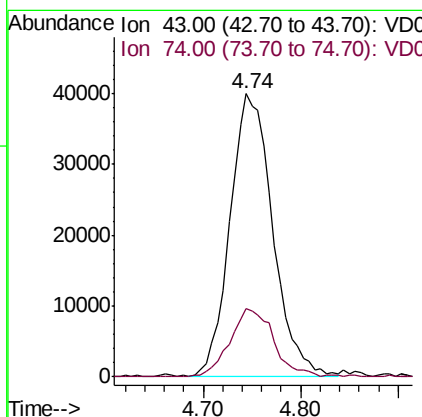
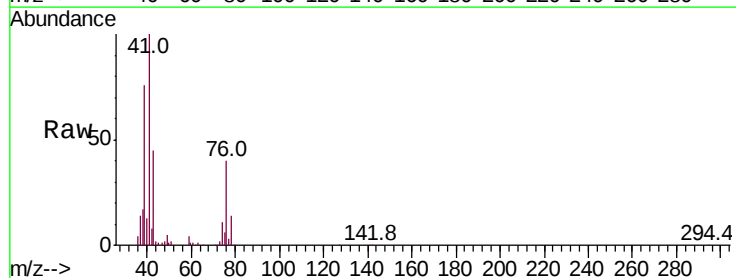
Instrument :
MSVOA_D
ClientSampleId :

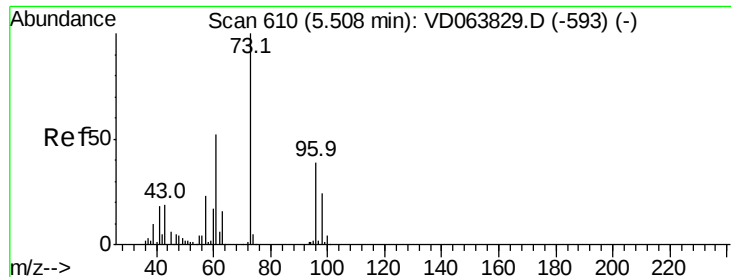
Tot Ion: 76 Resp: 748504
Ion Ratio Lower Upper
76 100
78 8.9 7.9 11.9



#18
Methyl Acetate
Concen: 87.988 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 43 Resp: 122156
Ion Ratio Lower Upper
43 100
74 24.5 18.6 28.0

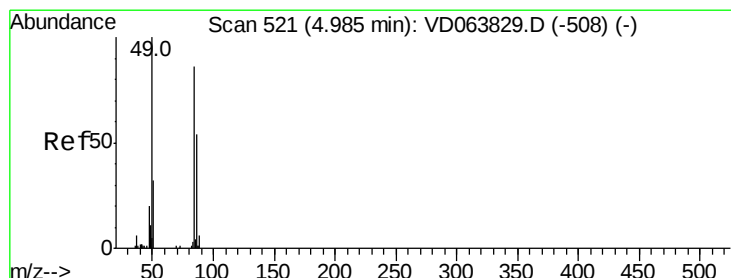
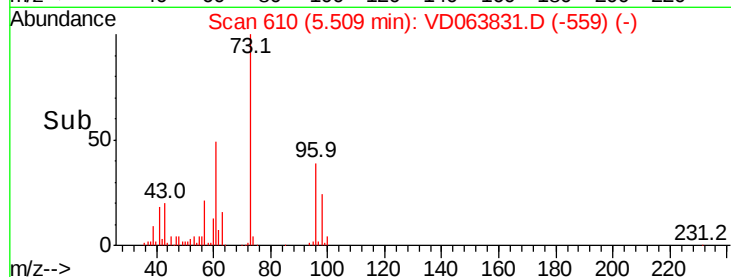
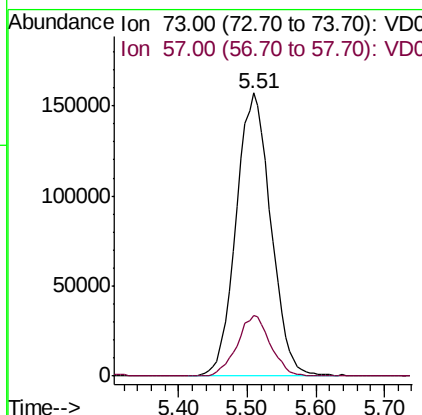
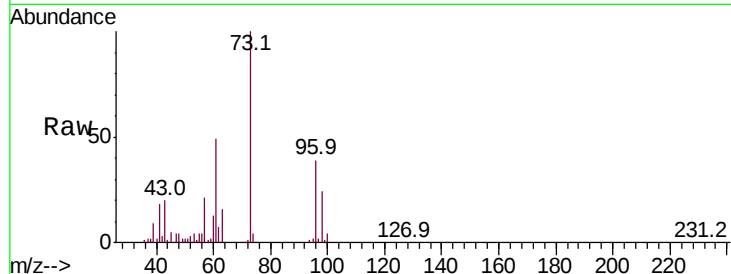




#19
Methvl tert-butvl Ether
Concen: 96.947 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

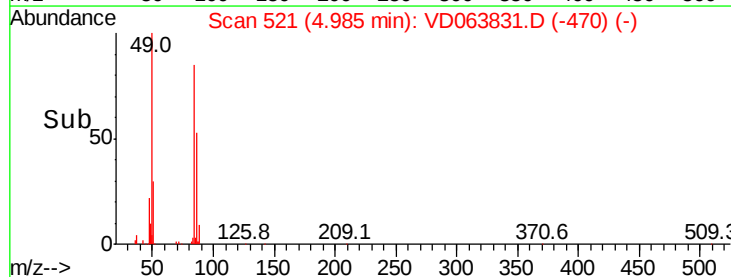
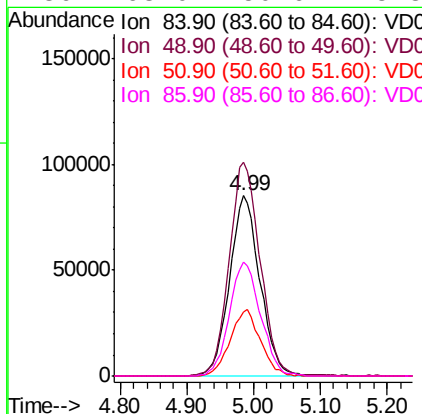
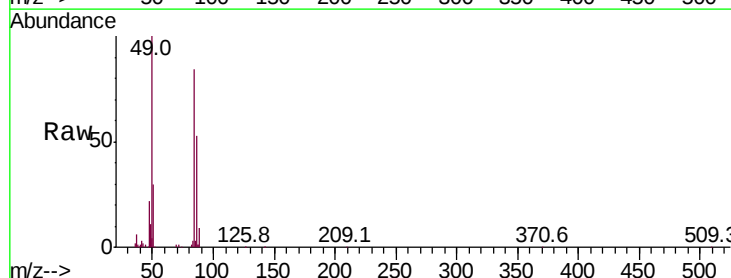
Instrument :
MSVOA_D
ClientSampleId :

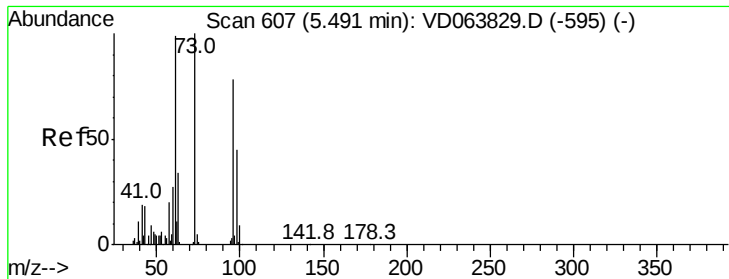
Tot Ion: 73 Resp: 552928
Ion Ratio Lower Upper
73 100
57 21.3 18.7 28.1



#20
Methylene Chloride
Concen: 79.853 ug/l
RT: 4.99 min Scan# 521
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 84 Resp: 270910
Ion Ratio Lower Upper
84 100
49 118.3 93.6 140.4
51 35.7 29.8 44.6
86 63.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 96.851 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampled :

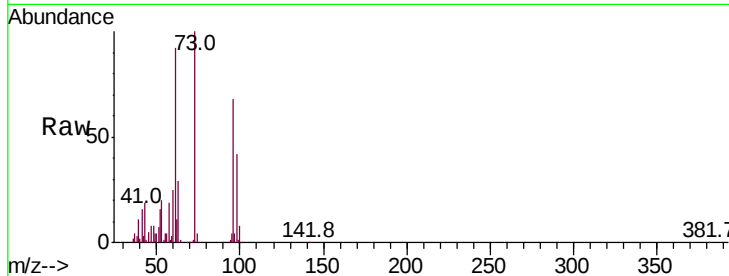
Tot Ion: 96 Resp: 256813

Ion Ratio Lower Upper

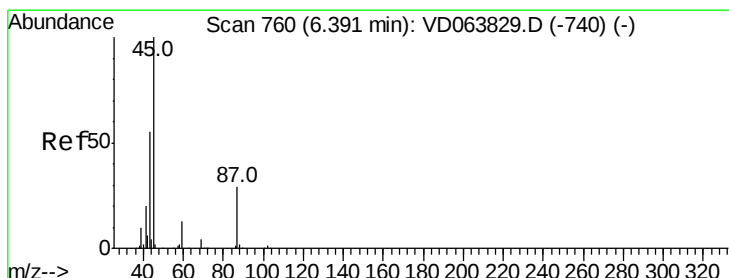
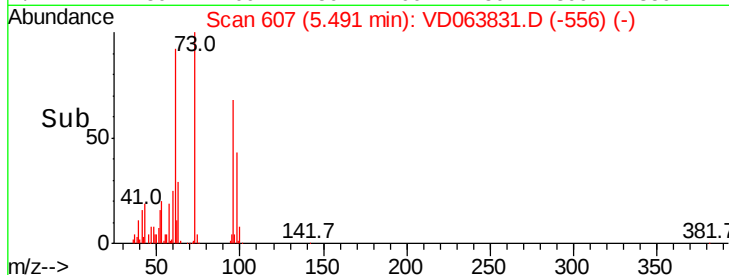
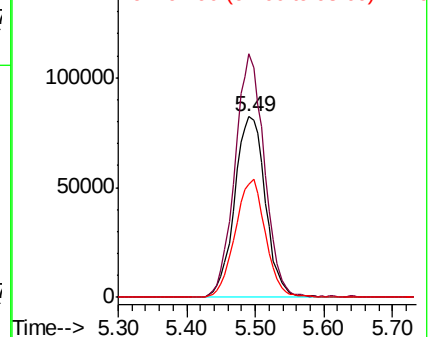
96 100

61 134.9 101.3 151.9

98 62.5 45.4 68.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 89.819 ug/l

RT: 6.40 min Scan# 761

Delta R.T. 0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Tgt Ion: 45 Resp: 667989

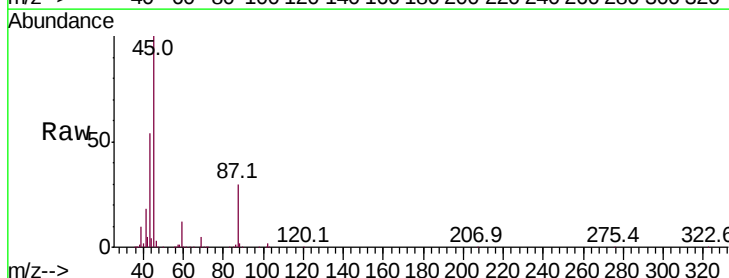
Ion Ratio Lower Upper

45 100

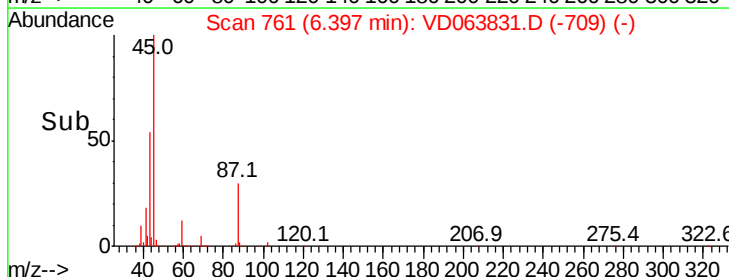
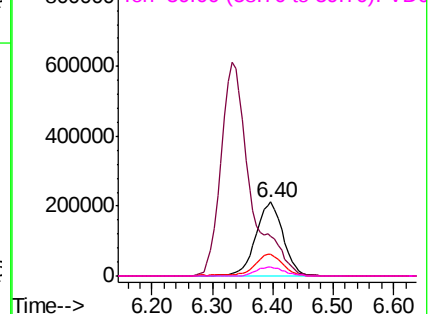
43 53.9 44.2 66.2

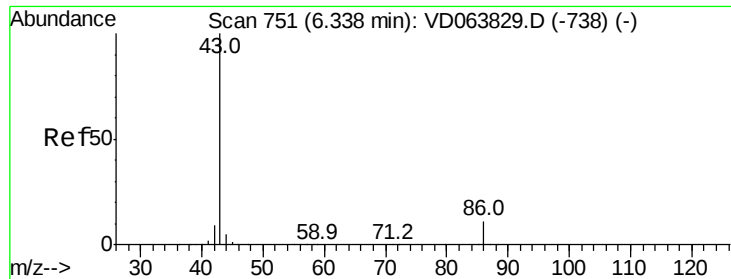
87 29.7 23.9 35.9

59 12.2 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 468.004 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

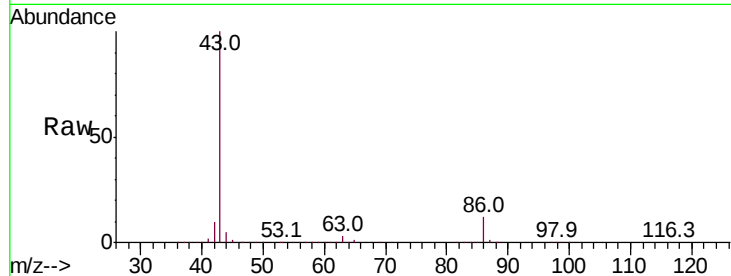
ClientSampleId :

Tot Ion: 43 Resp: 2058663

Ion Ratio Lower Upper

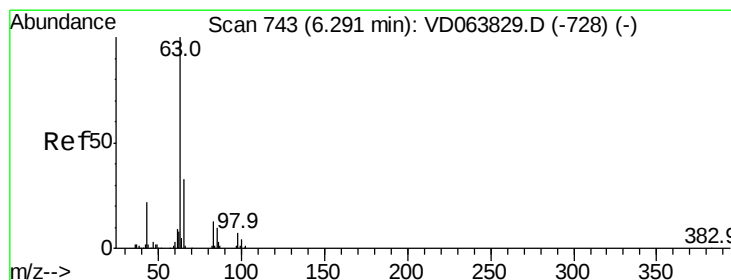
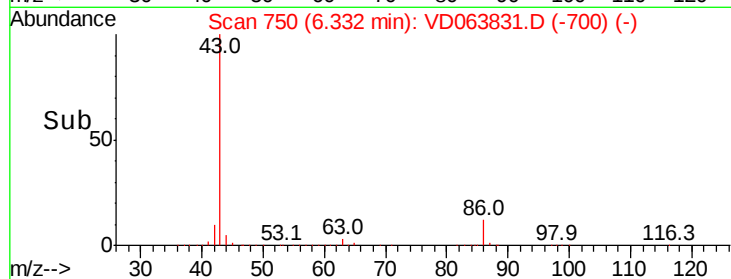
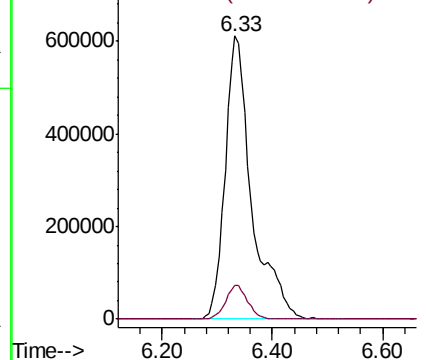
43 100

86 11.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 92.660 ug/l

RT: 6.29 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

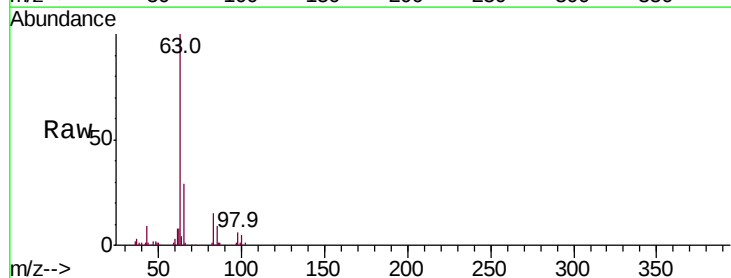
Tgt Ion: 63 Resp: 418663

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

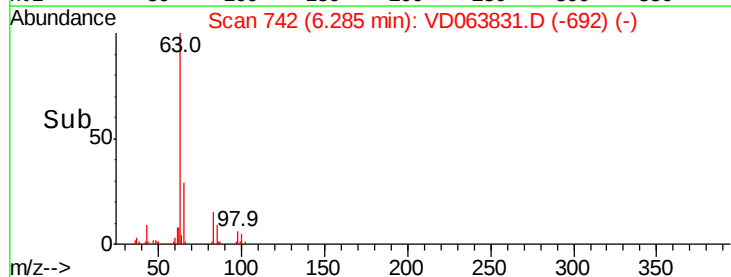
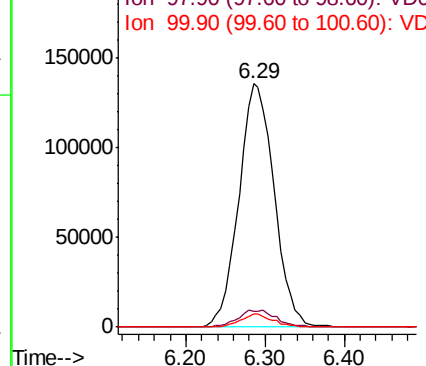
100 5.2 2.0 6.0

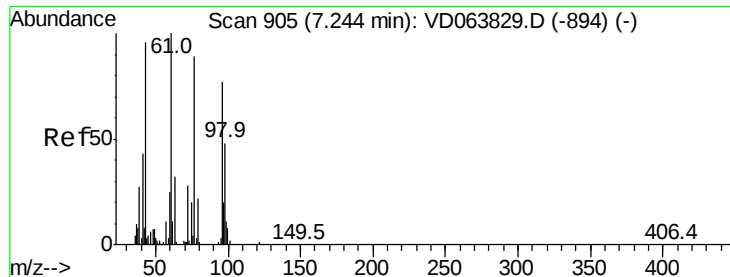


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 458.454 ug/l

RT: 7.25 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

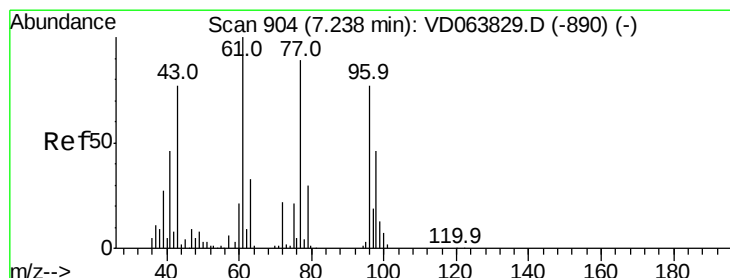
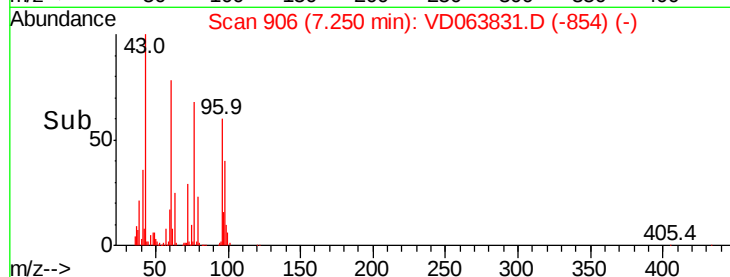
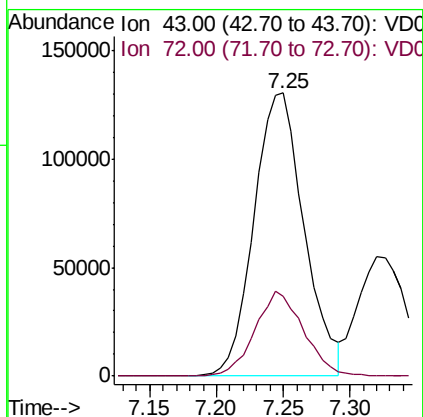
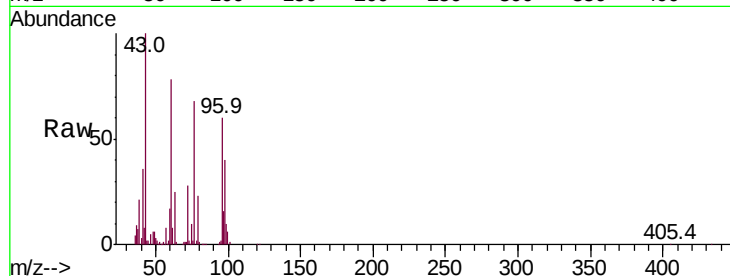
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 337952

Ion Ratio Lower Upper

43 100

72 28.5 23.5 35.3



#26

2,2-Dichloropropane

Concen: 91.794 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063831.D

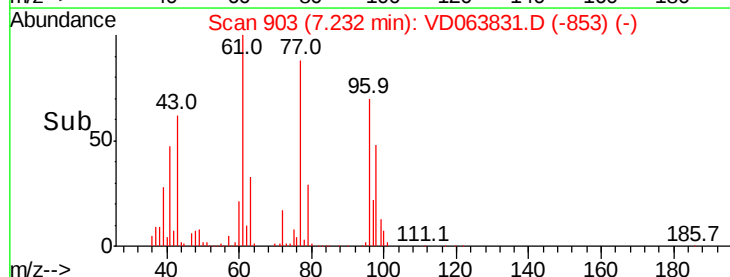
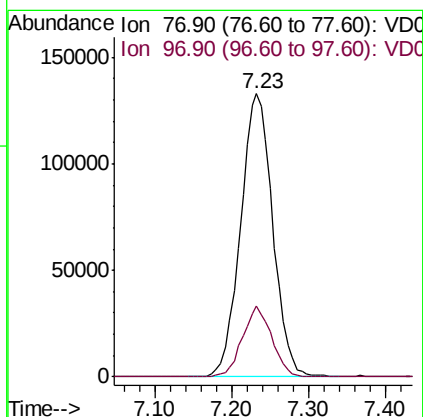
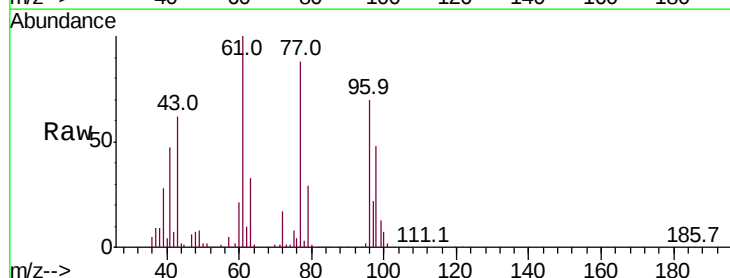
Acq: 25 Sep 2019 19:15

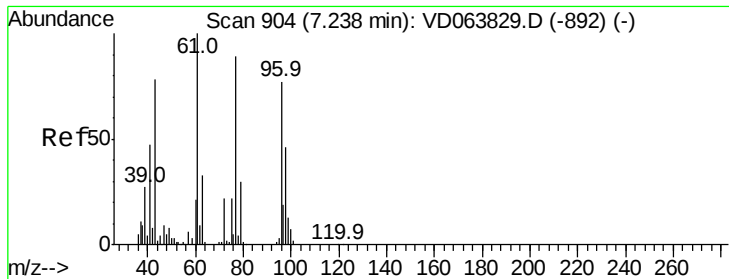
Tgt Ion: 77 Resp: 387877

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.7



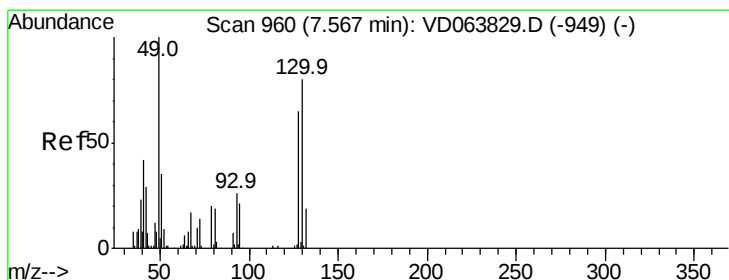
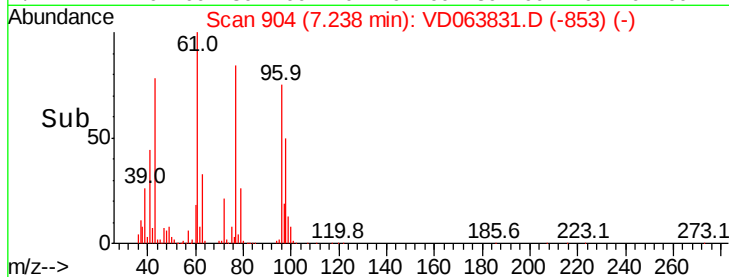
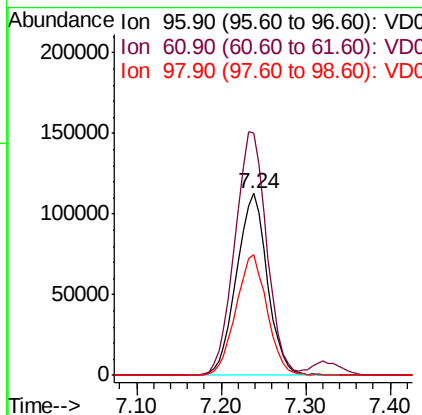
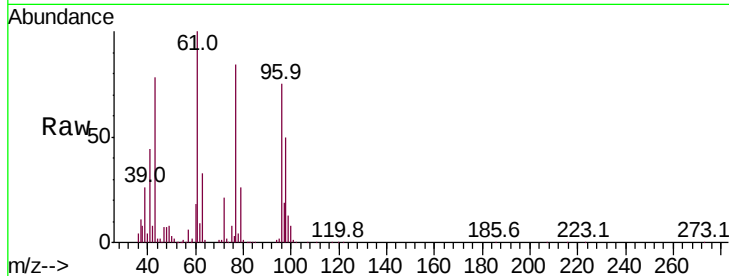


#27

cis-1,2-Dichloroethene
 Concen: 96.316 ug/l
 RT: 7.24 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Instrument :
 MSVOA_D
 ClientSampleId :

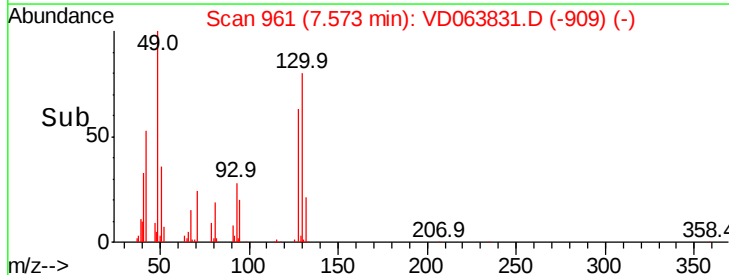
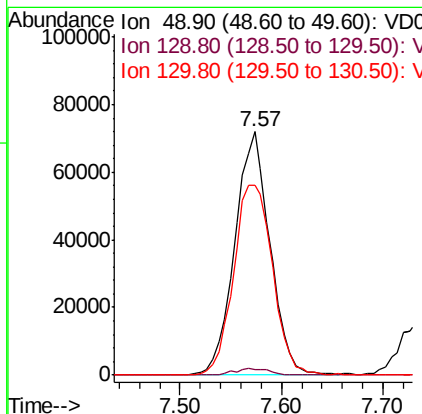
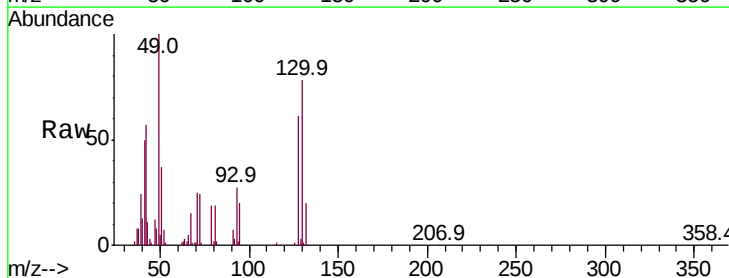
Tot Ion: 96 Resp: 286576
 Ion Ratio Lower Upper
 96 100
 61 137.6 0.0 275.6
 98 66.6 0.0 130.2

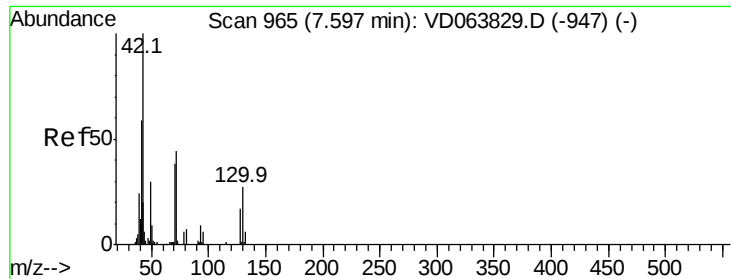


#28

Bromochloromethane
 Concen: 97.703 ug/l
 RT: 7.57 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion: 49 Resp: 173223
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 2.6#
 130 86.4 67.0 100.4

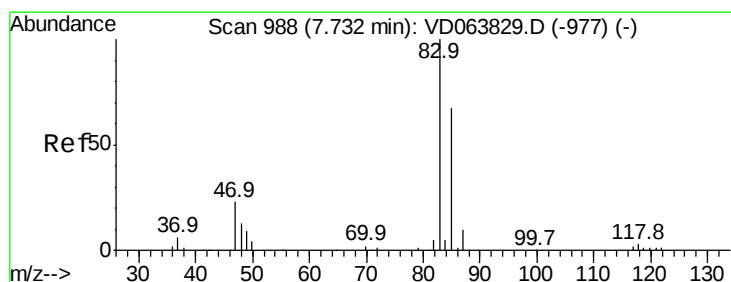
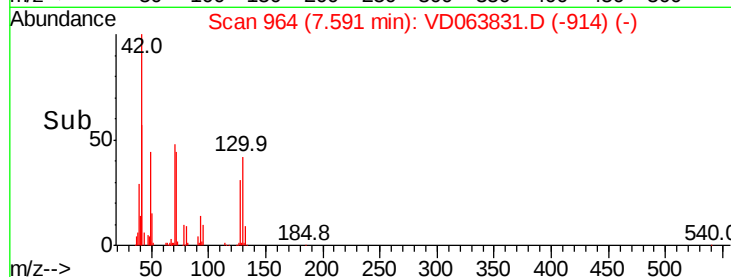
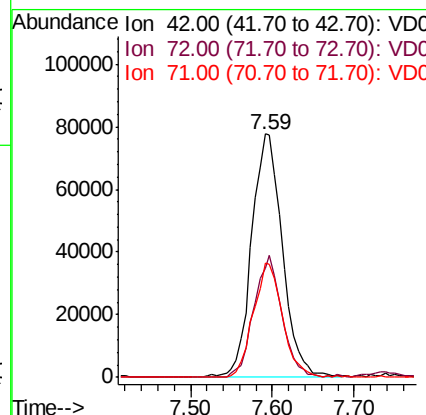
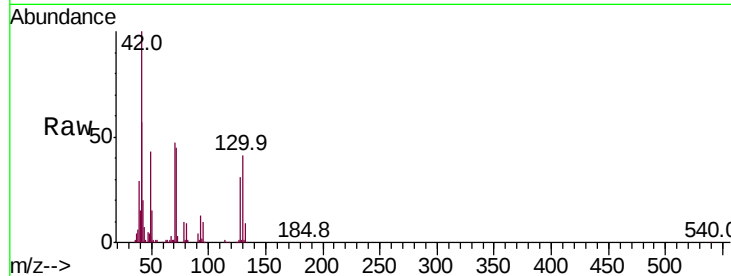




#29
Tetrahydrofuran
Concen: 461.503 ug/l
RT: 7.59 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

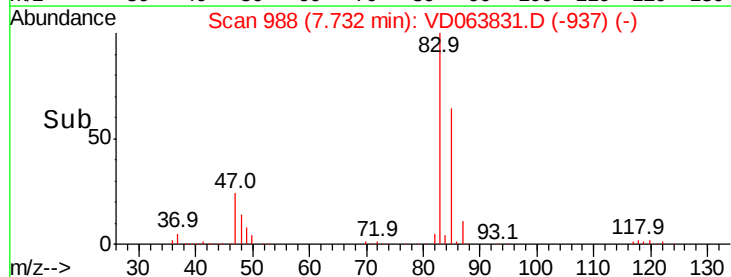
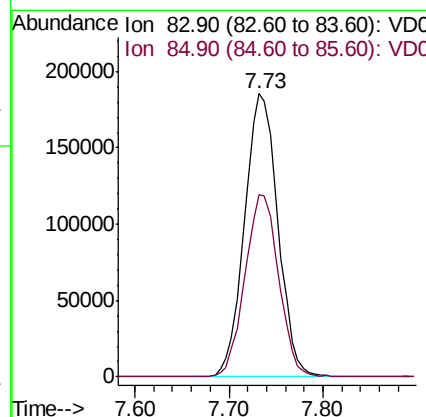
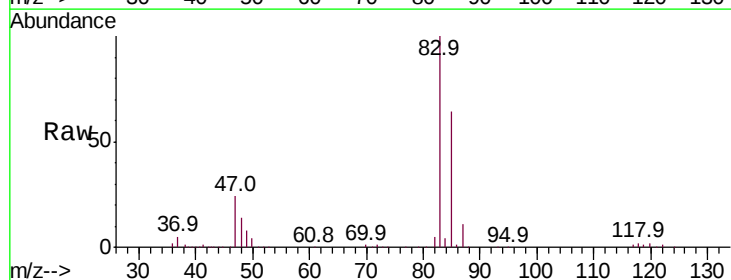
Instrument :
MSVOA_D
ClientSampleId :

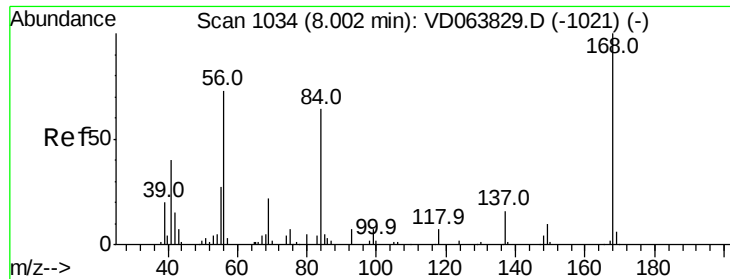
Tot Ion: 42 Resp: 203844
Ion Ratio Lower Upper
42 100
72 45.6 37.3 55.9
71 44.5 33.4 50.2



#30
Chloroform
Concen: 93.016 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 83 Resp: 456485
Ion Ratio Lower Upper
83 100
85 64.3 53.4 80.2

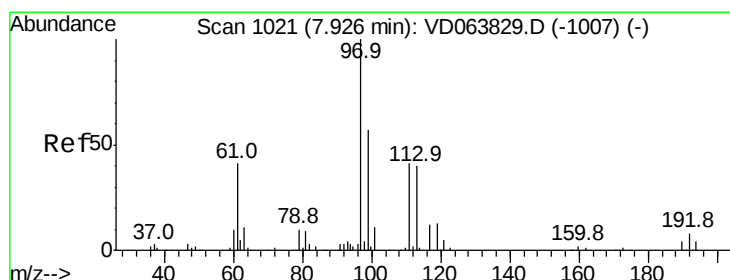
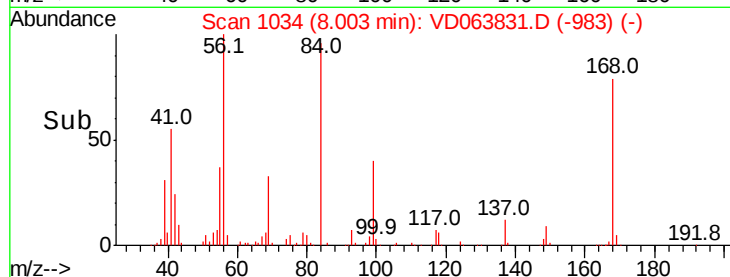
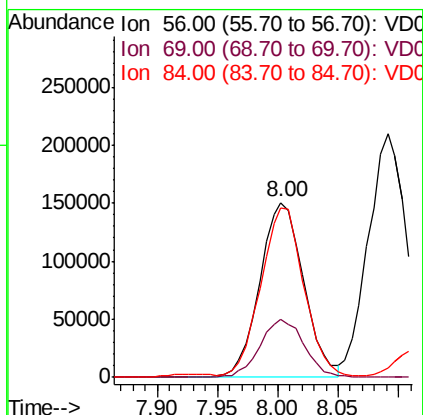
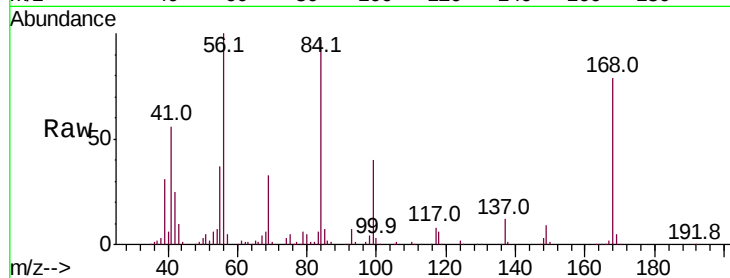




#31
Cyclohexane
Concen: 83.778 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

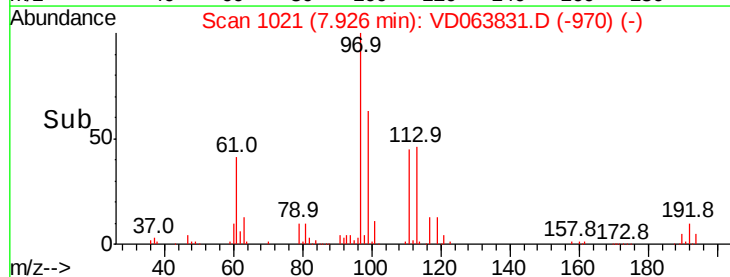
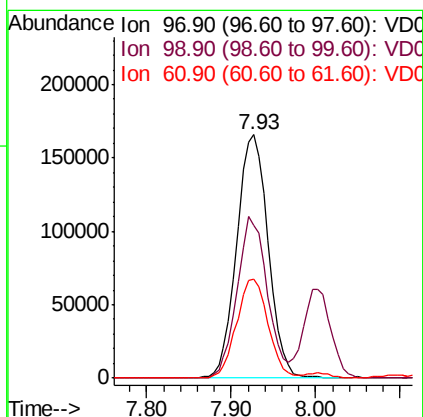
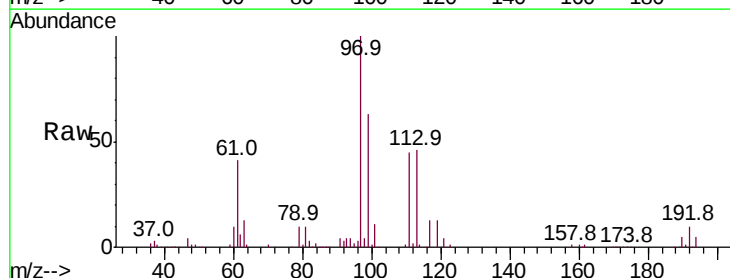
Instrument :
MSVOA_D
ClientSampleId :

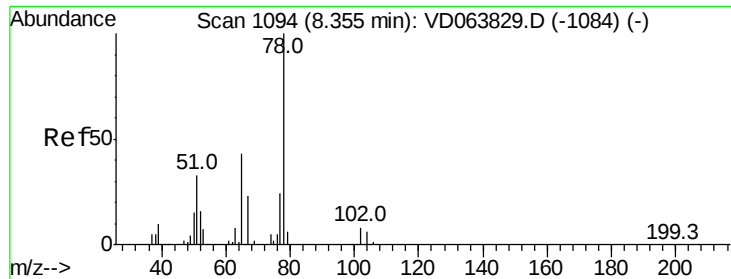
Tot Ion: 56 Resp: 377858
Ion Ratio Lower Upper
56 100
69 33.3 23.1 34.7
84 95.3 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 96.504 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 97 Resp: 428240
Ion Ratio Lower Upper
97 100
99 63.9 52.9 79.3
61 40.8 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 100.090 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

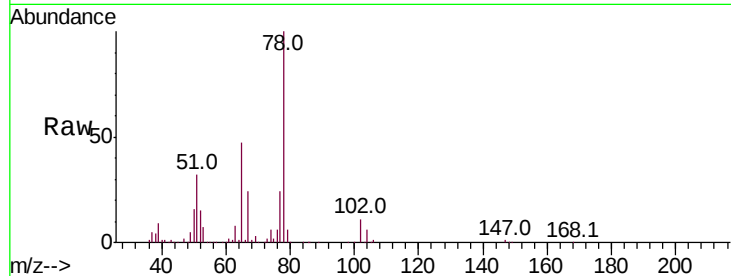
ClientSampleId :

Tot Ion: 65 Resp: 251425

Ion Ratio Lower Upper

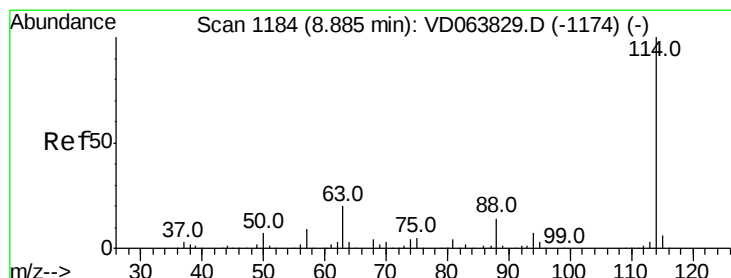
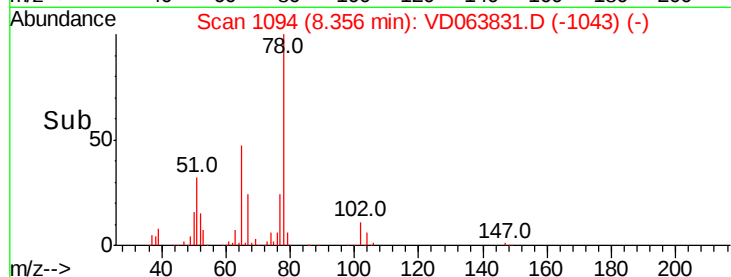
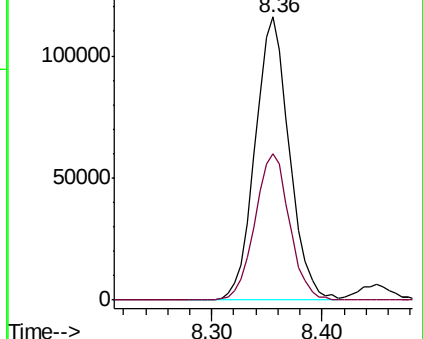
65 100

67 52.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

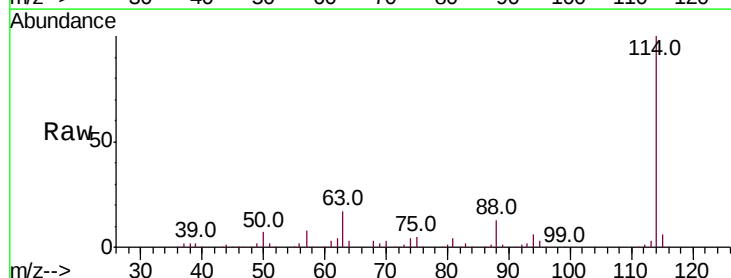
Tgt Ion: 114 Resp: 419513

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.2

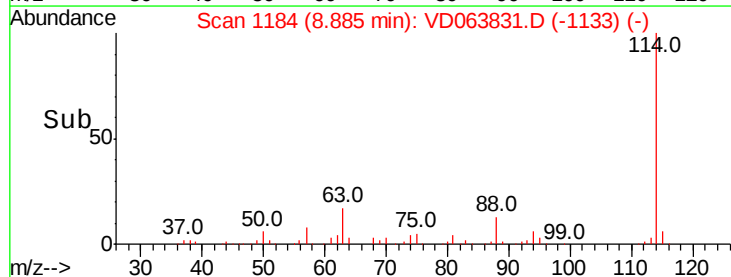
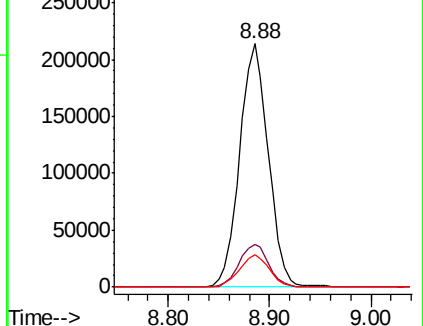
88 13.5 0.0 28.4

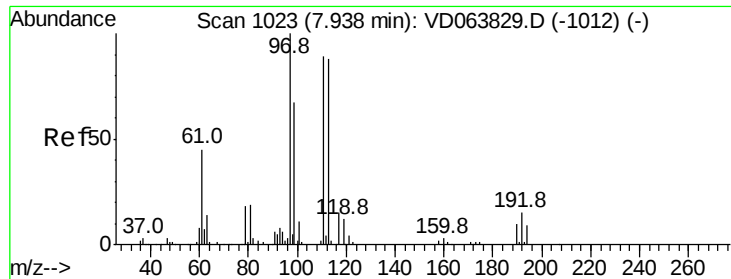


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

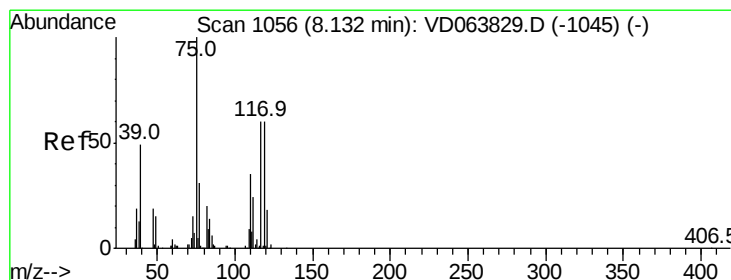
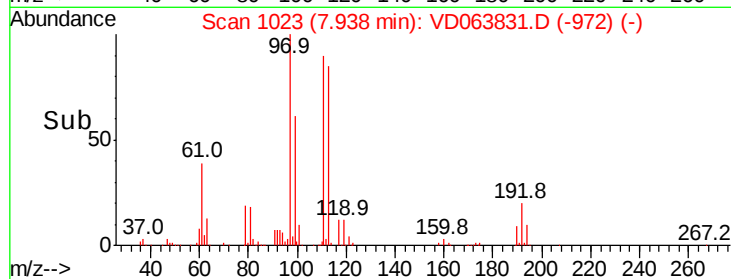
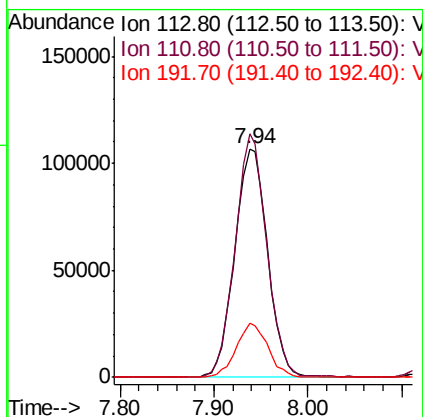
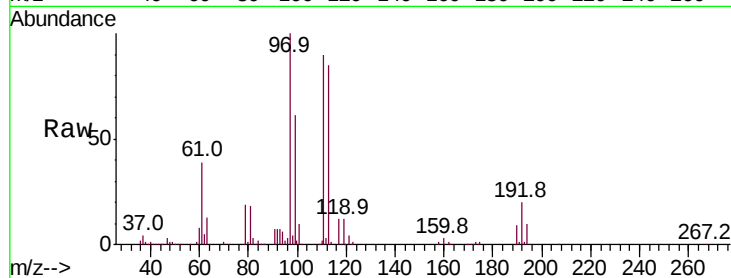




#35
 Dibromofluoromethane
 Concen: 97.163 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

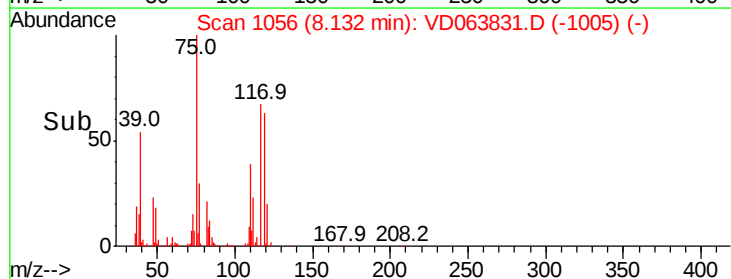
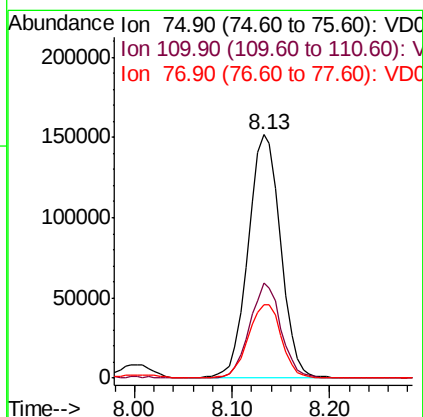
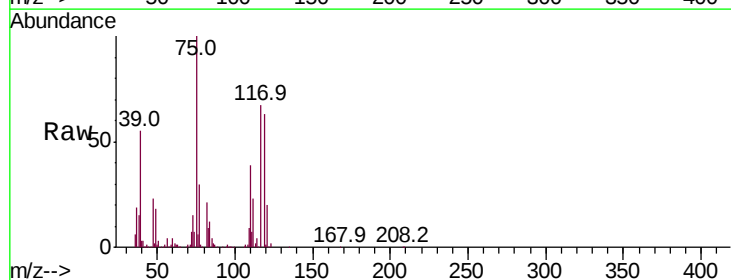
Instrument :
 MSVOA_D
 ClientSampleId :

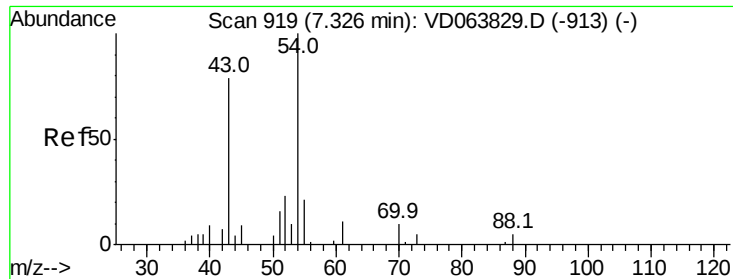
Tot Ion:113 Resp: 258755
 Ion Ratio Lower Upper
 113 100
 111 102.0 77.7 116.5
 192 22.6 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 92.359 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion: 75 Resp: 353417
 Ion Ratio Lower Upper
 75 100
 110 37.5 17.5 52.5
 77 31.0 24.9 37.3

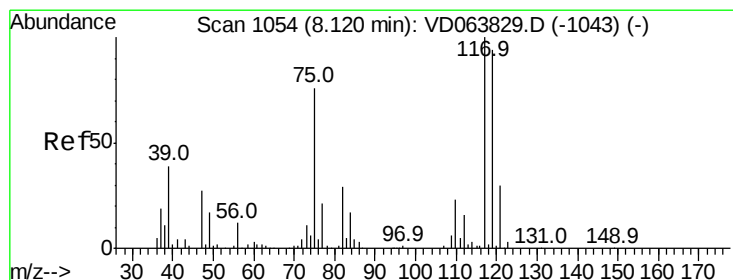
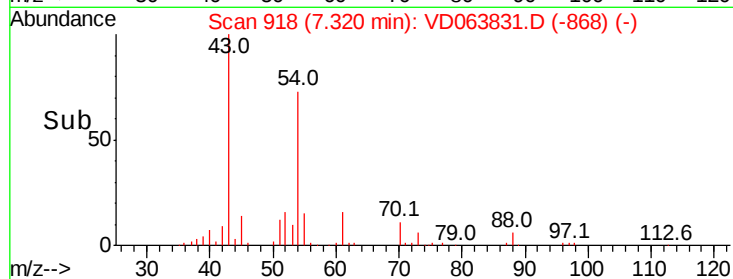
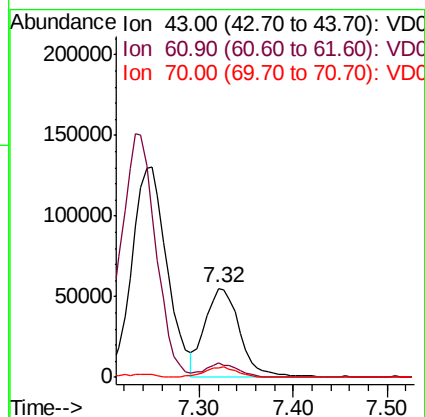
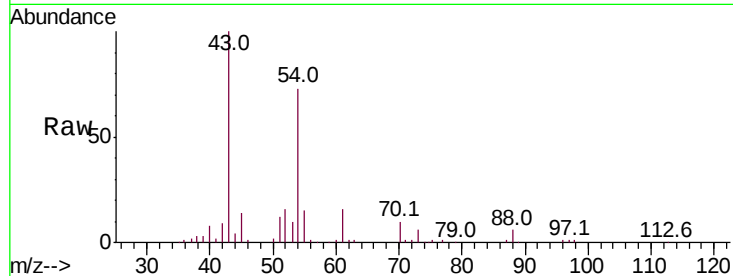




#37
Ethyl Acetate
Concen: 89.664 ug/l
RT: 7.32 min Scan# 918
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

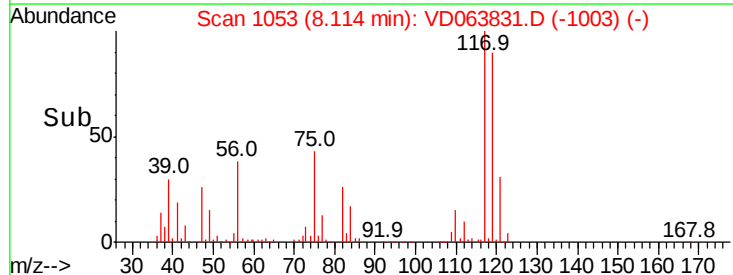
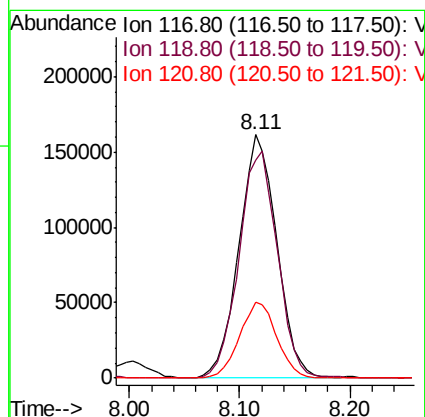
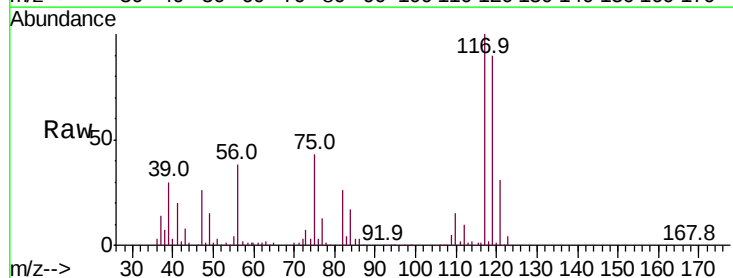
Instrument :
MSVOA_D
ClientSampleId :

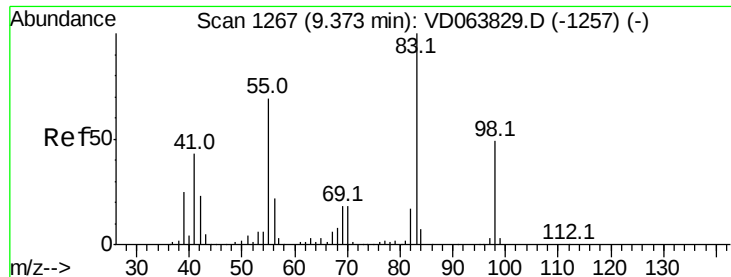
Tot Ion: 43 Resp: 143296
Ion Ratio Lower Upper
43 100
61 13.9 12.7 19.1
70 10.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 97.328 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 117 Resp: 387637
Ion Ratio Lower Upper
117 100
119 89.7 75.2 112.8
121 31.4 23.9 35.9

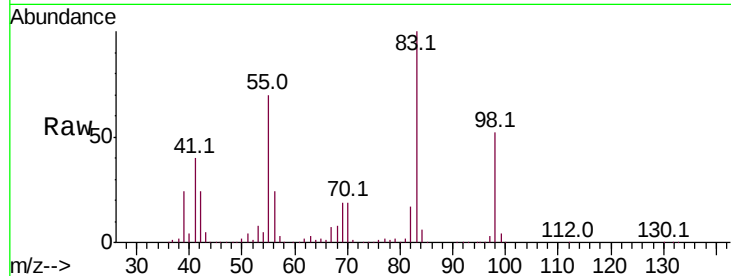




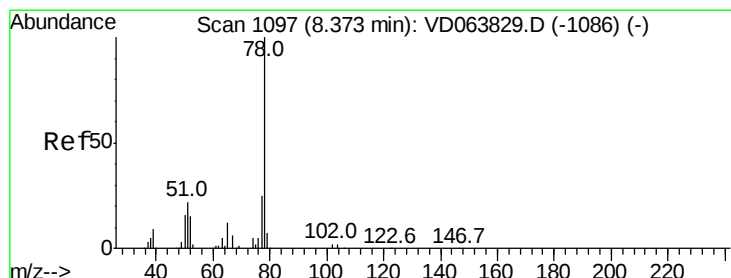
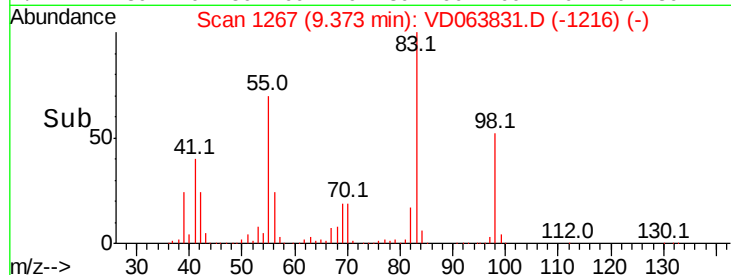
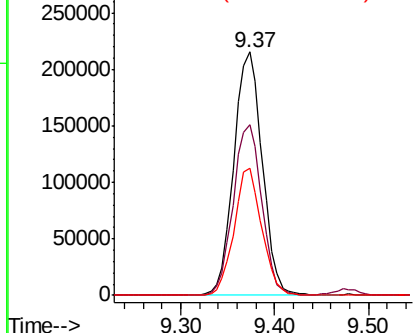
#39
Methvlcvclohexane
Concen: 94.935 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 452340
Ion Ratio Lower Upper
83 100
55 70.0 54.9 82.3
98 52.0 39.0 58.6

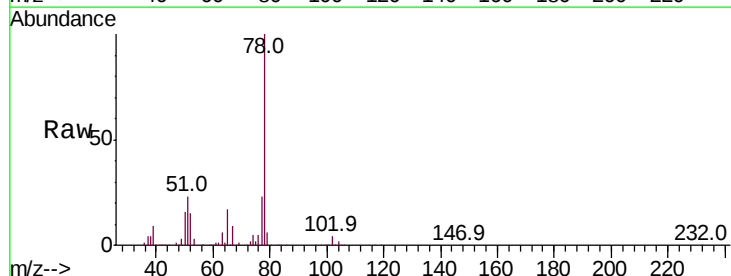


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

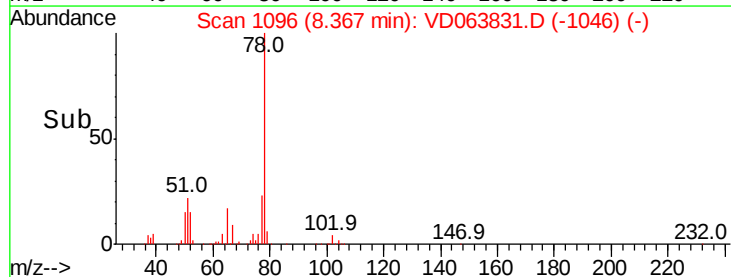
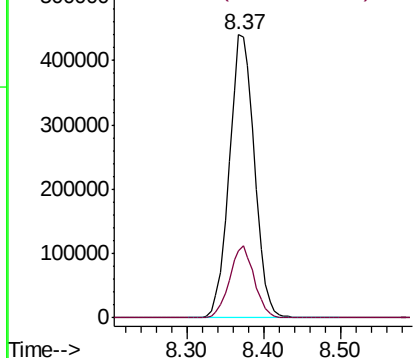


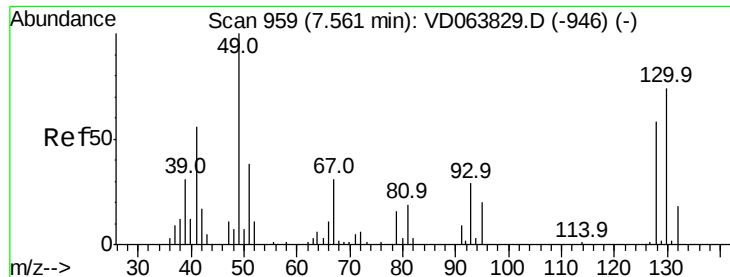
#40
Benzene
Concen: 95.398 ug/l
RT: 8.37 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 78 Resp: 1005345
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 89.355 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 84339

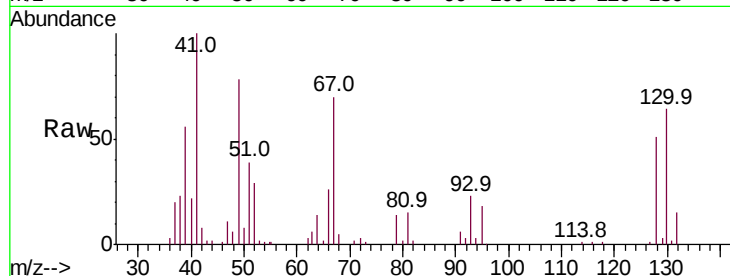
Ion Ratio Lower Upper

41 100

39 62.1 52.2 78.4

67 76.9 58.6 87.8

52 31.3 26.6 39.8

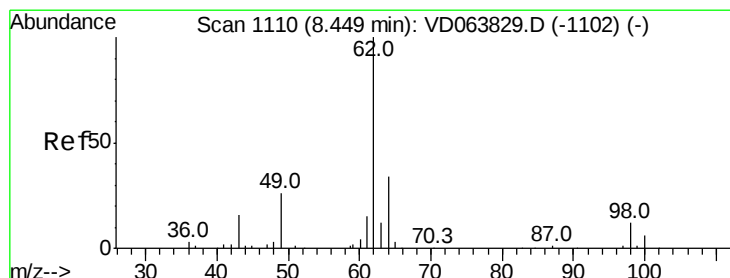
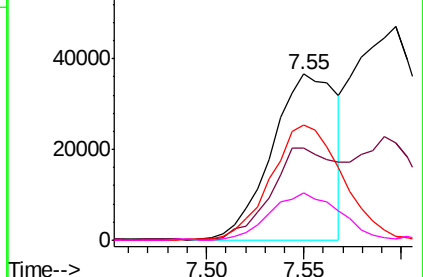
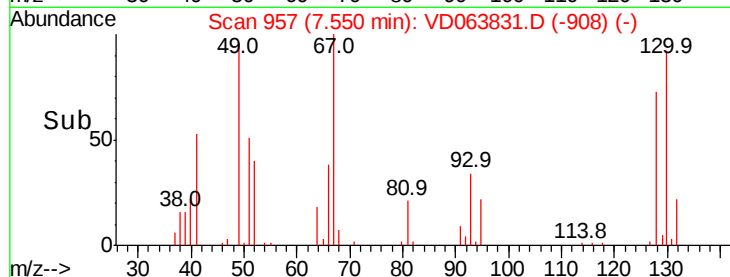


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 95.009 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD063831.D

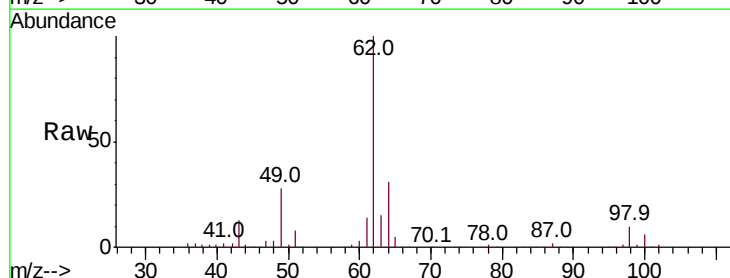
Acq: 25 Sep 2019 19:15

Tgt Ion: 62 Resp: 292786

Ion Ratio Lower Upper

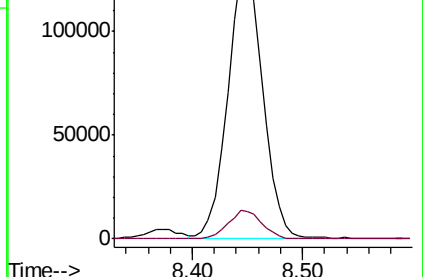
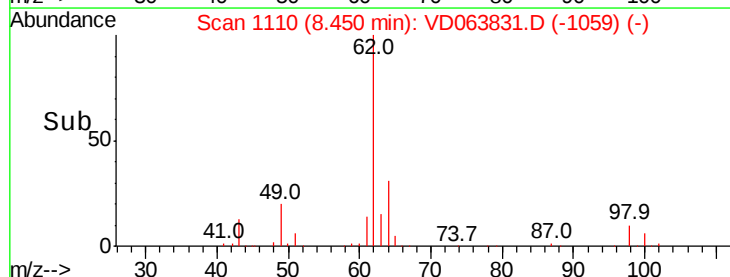
62 100

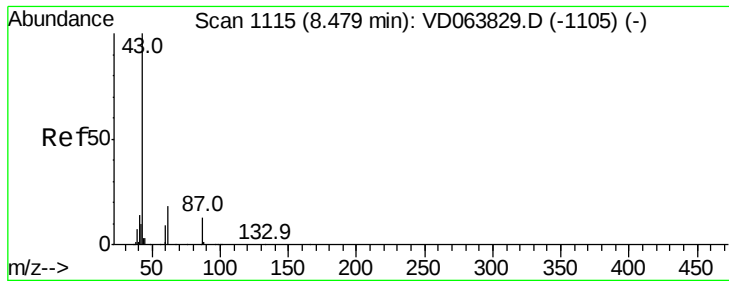
98 10.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 92.734 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

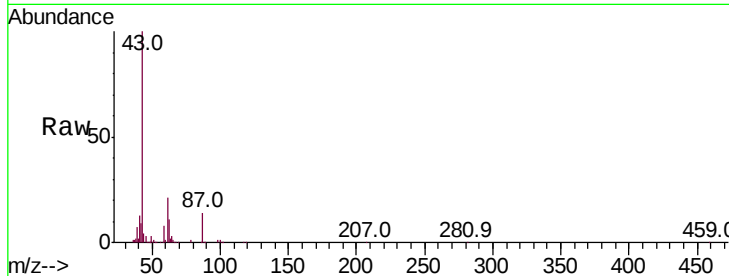
Tot Ion: 43 Resp: 297107

Ion Ratio Lower Upper

43 100

61 30.6 24.6 37.0

87 13.8 10.5 15.7

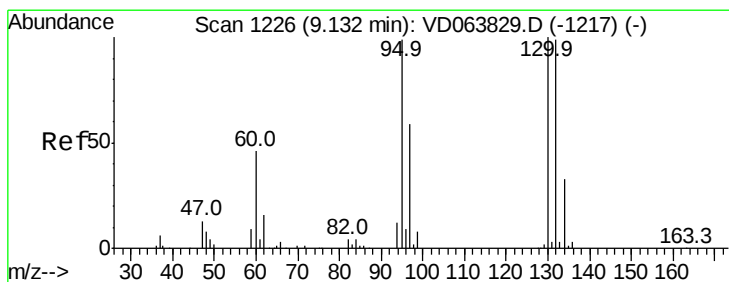
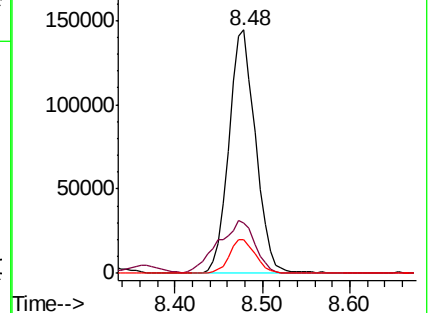
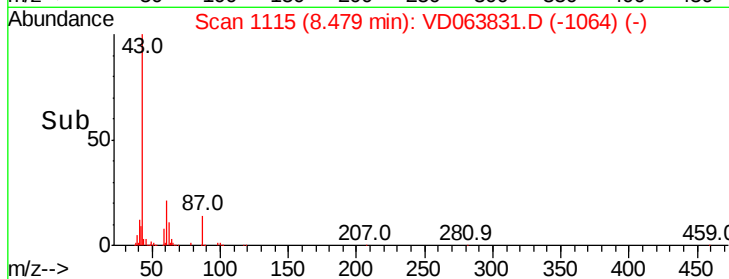


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

8.48



#44

Trichloroethene

Concen: 96.518 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VD063831.D

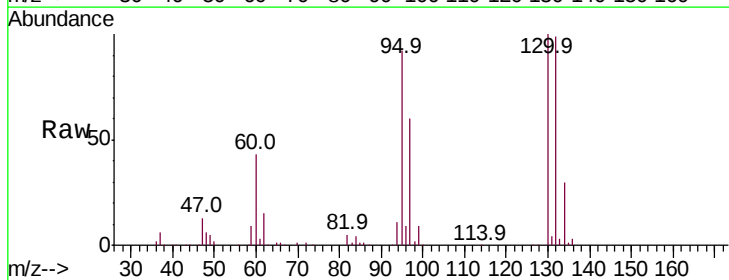
Acq: 25 Sep 2019 19:15

Tgt Ion:130 Resp: 294563

Ion Ratio Lower Upper

130 100

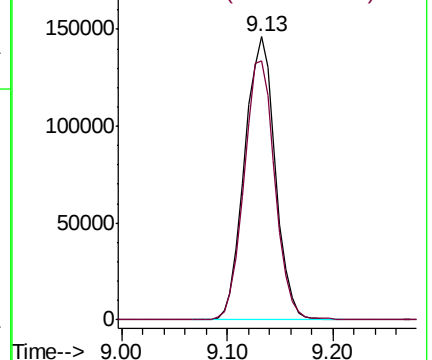
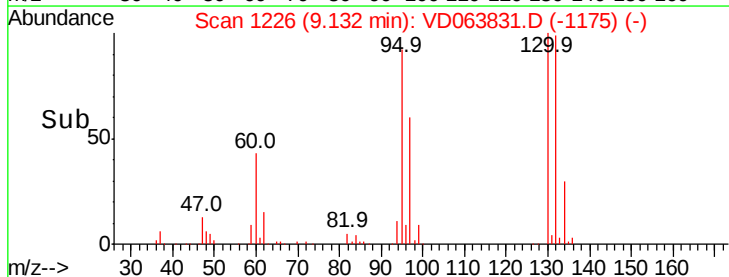
95 91.6 0.0 198.6

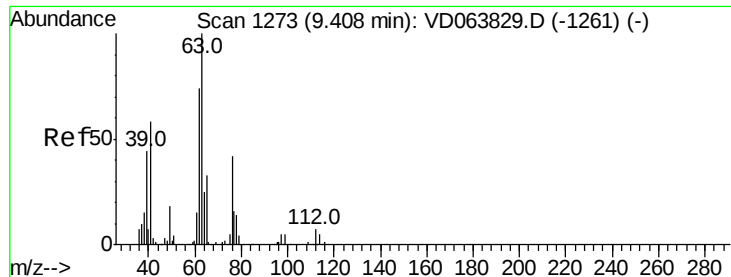


Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

9.13





#45

1,2-Dichloropropane

Concen: 95.174 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

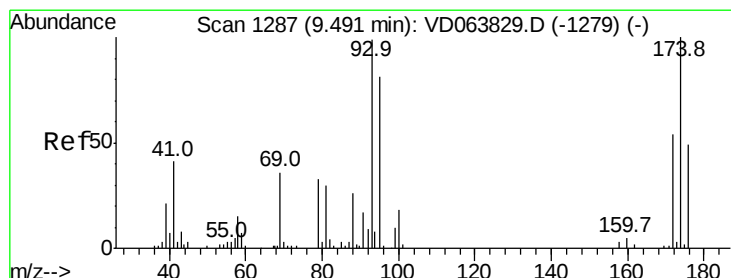
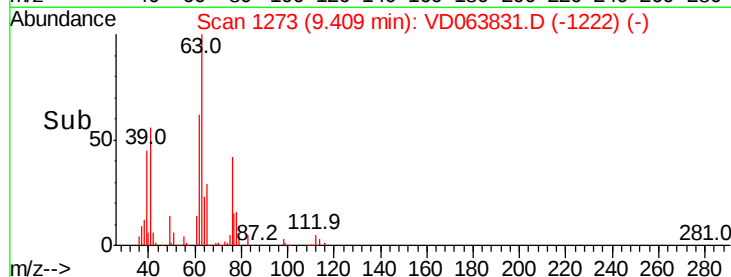
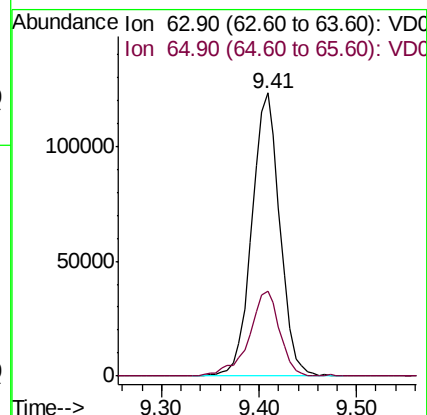
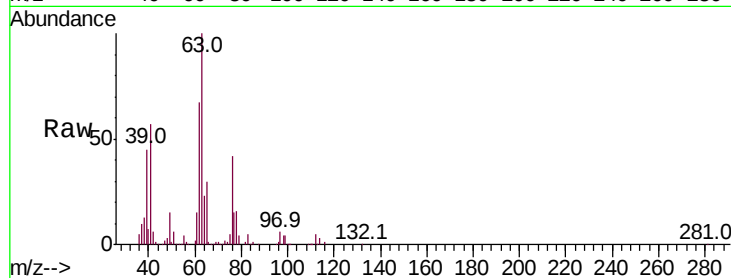
ClientSampled :

Tot Ion: 63 Resp: 247762

Ion Ratio Lower Upper

63 100

65 30.1 26.8 40.2



#46

Dibromomethane

Concen: 96.810 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

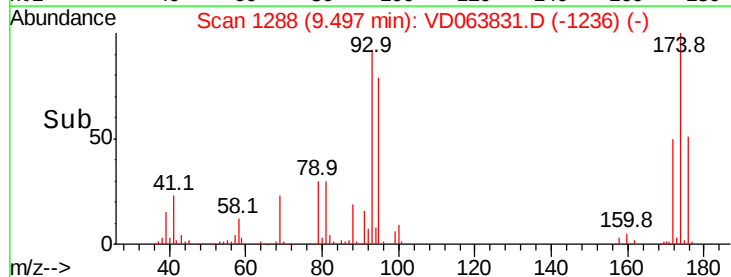
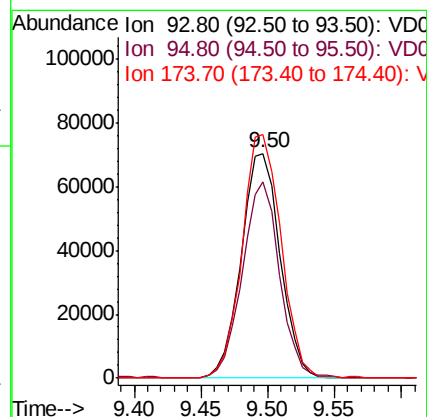
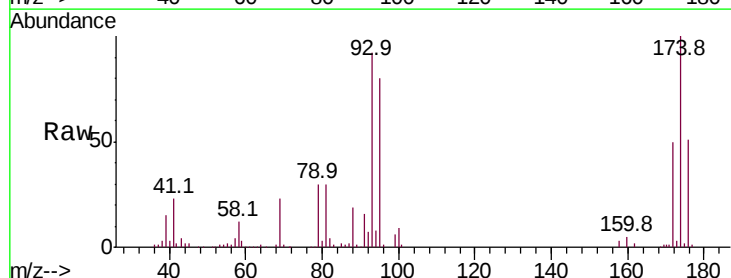
Tgt Ion: 93 Resp: 142244

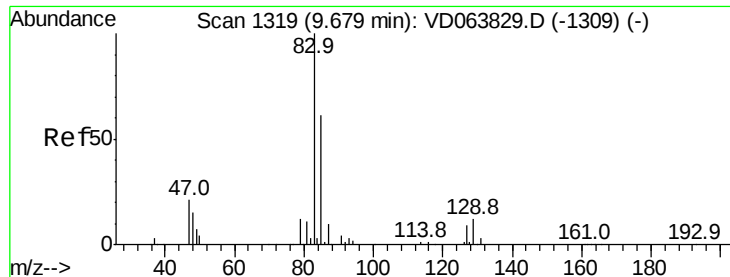
Ion Ratio Lower Upper

93 100

95 83.7 63.8 95.8

174 108.8 84.2 126.2





#47

Bromodichloromethane

Concen: 98.775 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

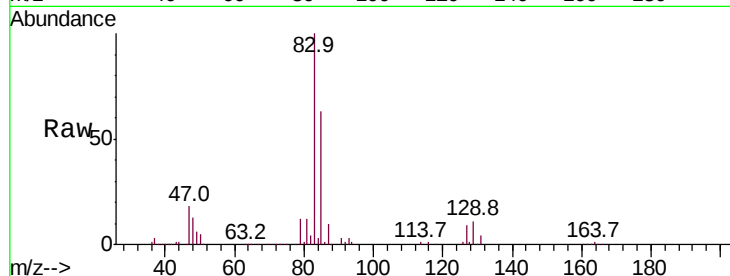
Tot Ion: 83 Resp: 374127

Ion Ratio Lower Upper

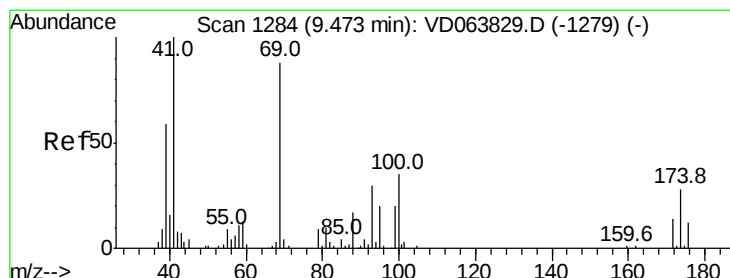
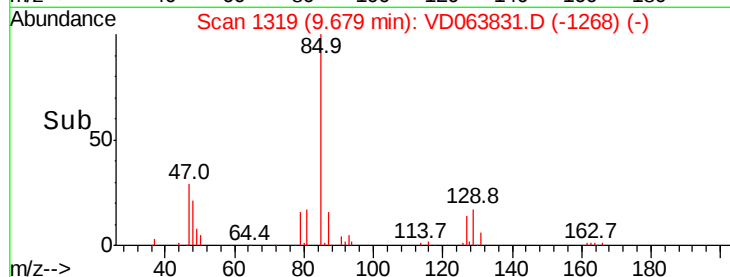
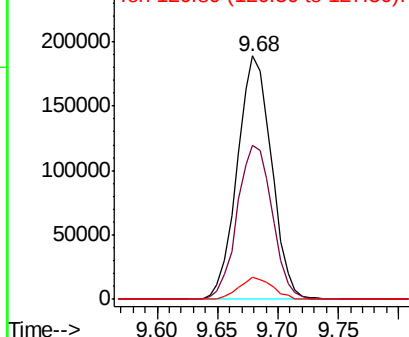
83 100

85 63.2 48.6 73.0

127 9.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 92.914 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

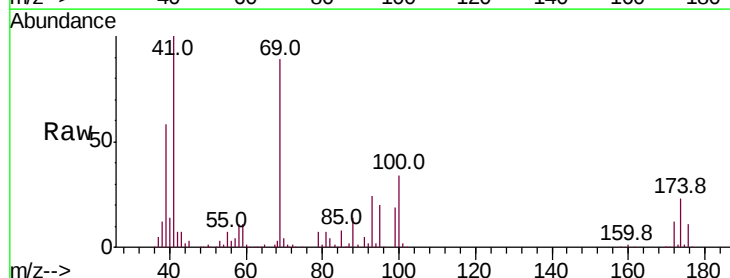
Tgt Ion: 41 Resp: 135393

Ion Ratio Lower Upper

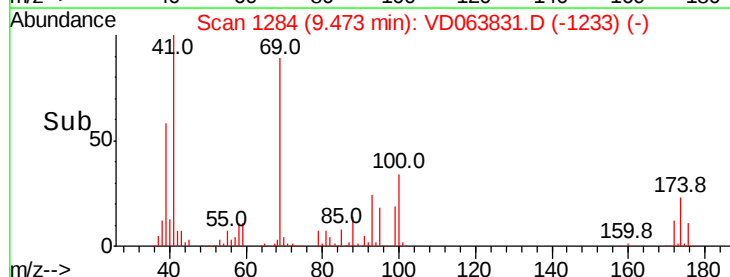
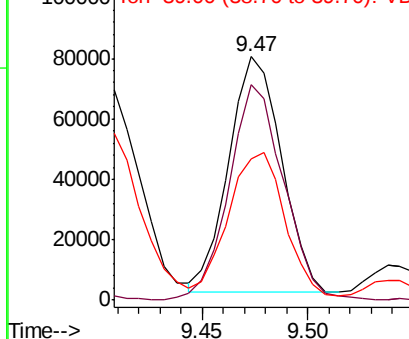
41 100

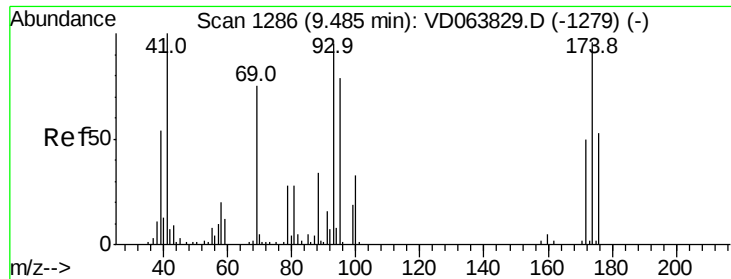
69 95.5 71.7 107.5

39 68.4 51.7 77.5



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

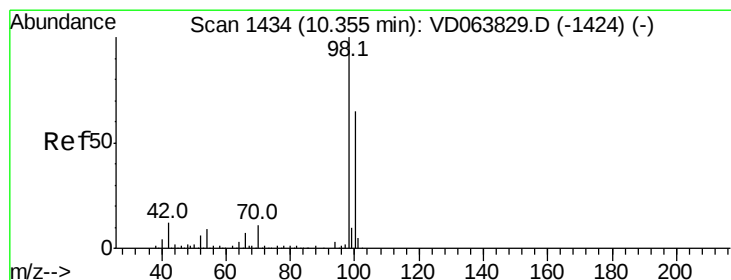
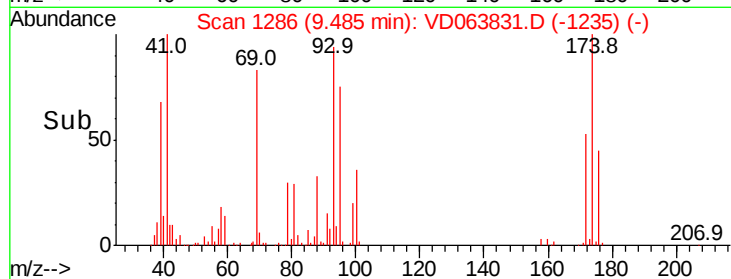
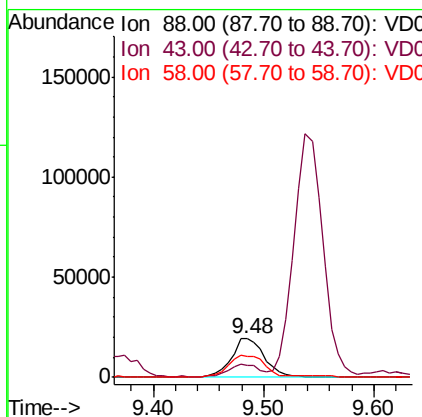
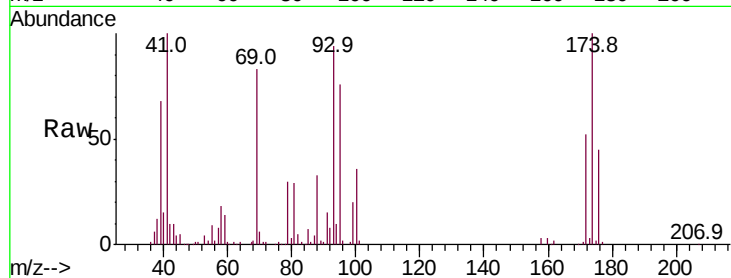




#49
 1,4-Dioxane
 Concen: 2011.901 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

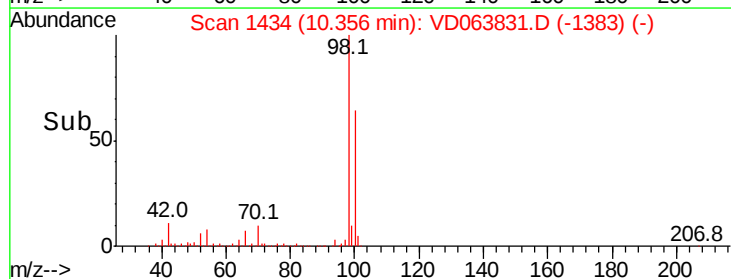
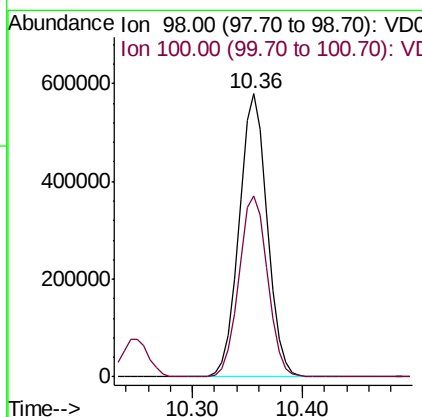
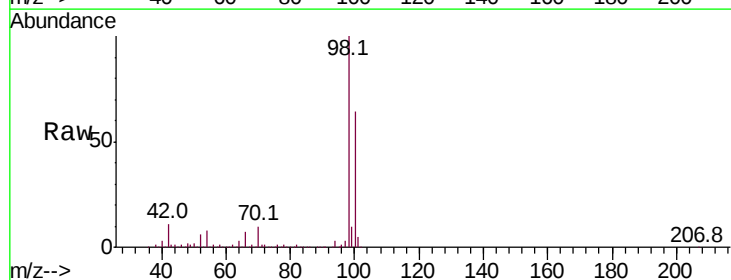
Instrument :
 MSVOA_D
 ClientSampleId :

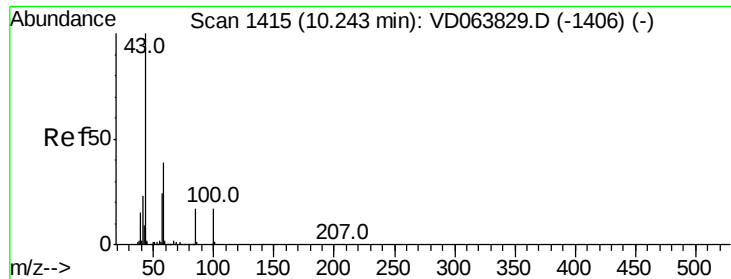
Tot Ion: 88 Resp: 41239
 Ion Ratio Lower Upper
 88 100
 43 32.1 25.8 38.6
 58 64.9 55.9 83.9



#50
 Toluene-d8
 Concen: 103.537 ug/l
 RT: 10.36 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion: 98 Resp: 1037914
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 470.829 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

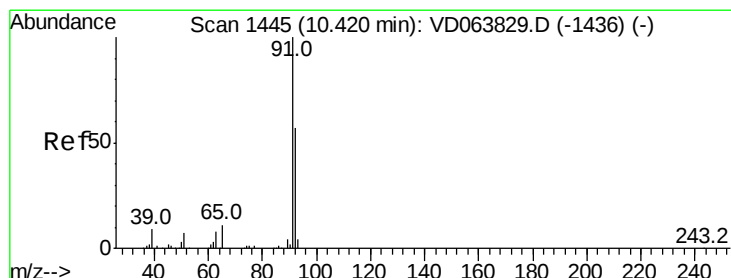
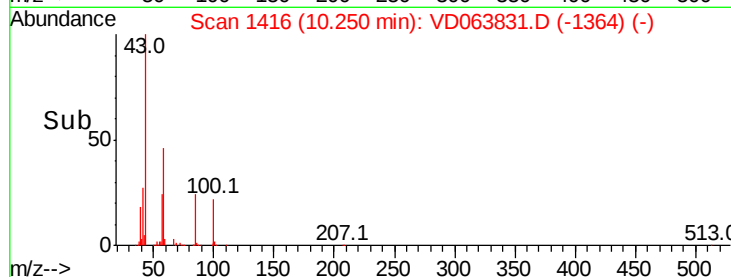
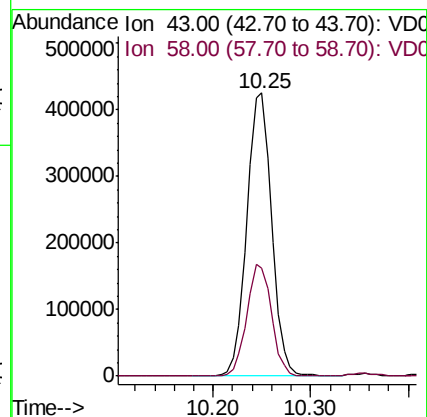
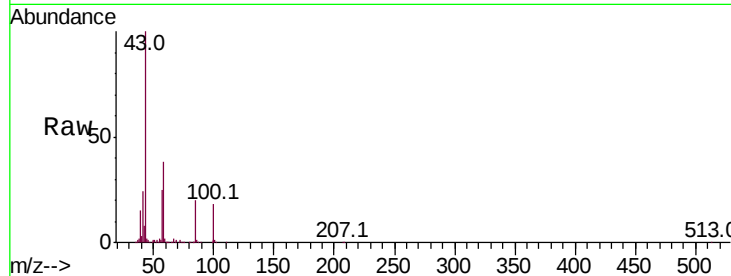
ClientSampled :

Tot Ion: 43 Resp: 759931

Ion Ratio Lower Upper

43 100

58 39.3 30.9 46.3



#52

Toluene

Concen: 98.275 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063831.D

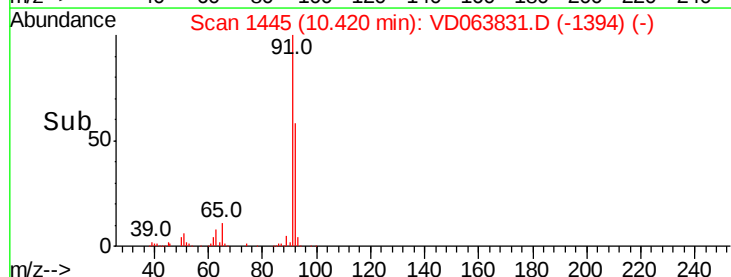
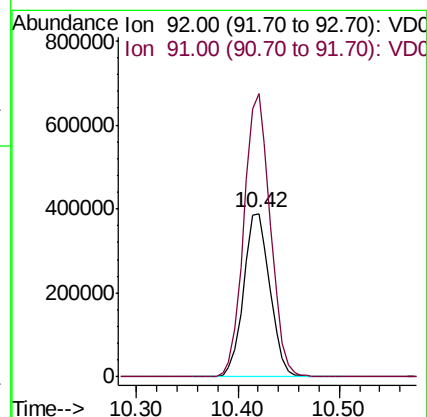
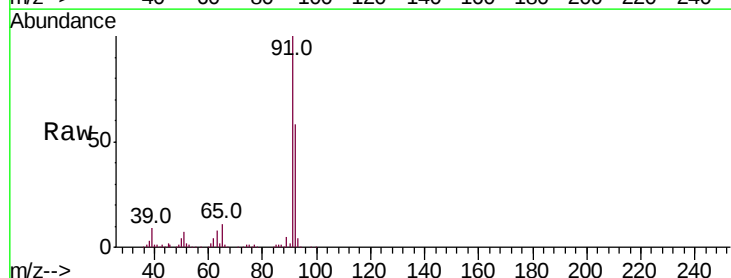
Acq: 25 Sep 2019 19:15

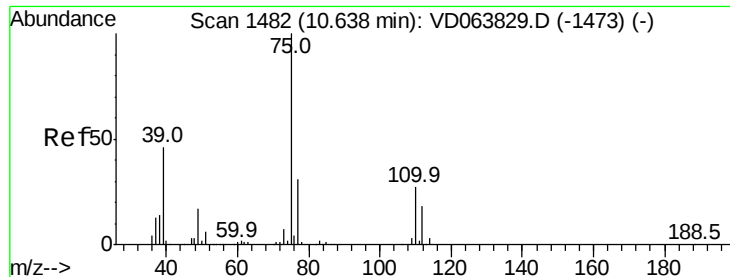
Tgt Ion: 92 Resp: 702235

Ion Ratio Lower Upper

92 100

91 173.1 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 100.647 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

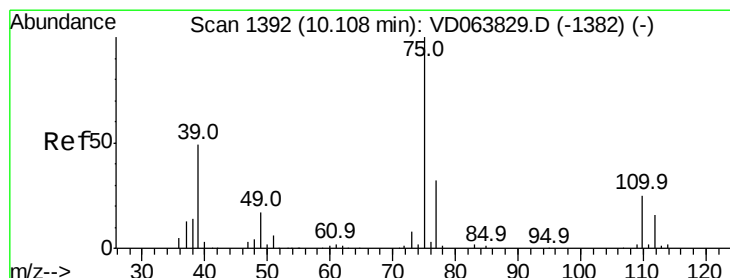
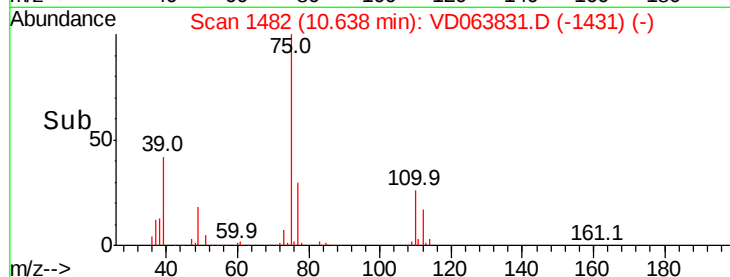
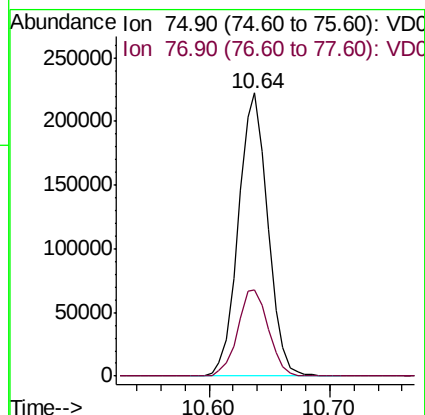
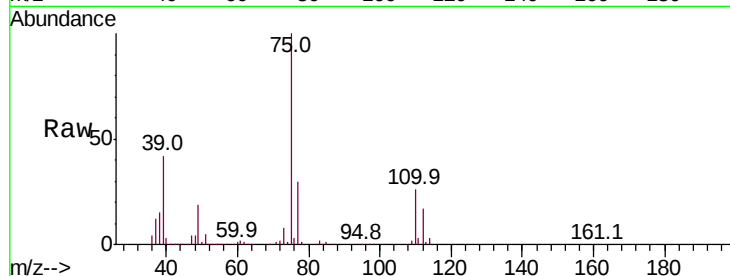
ClientSampleId :

Tot Ion: 75 Resp: 377870

Ion Ratio Lower Upper

75 100

77 30.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 98.942 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

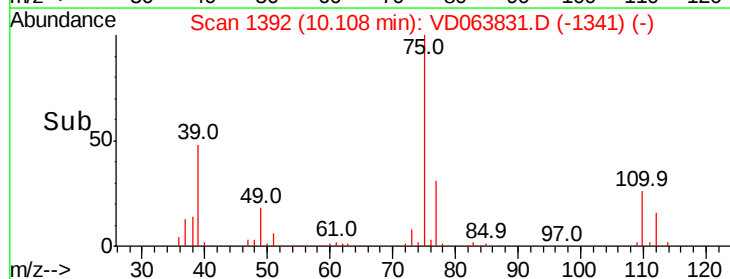
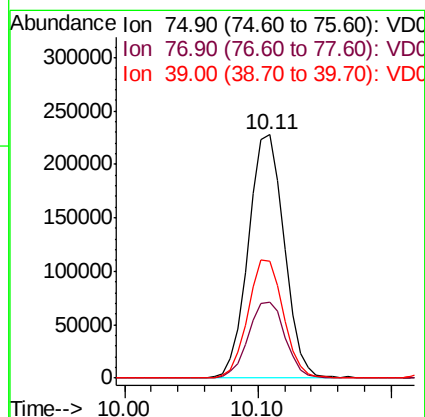
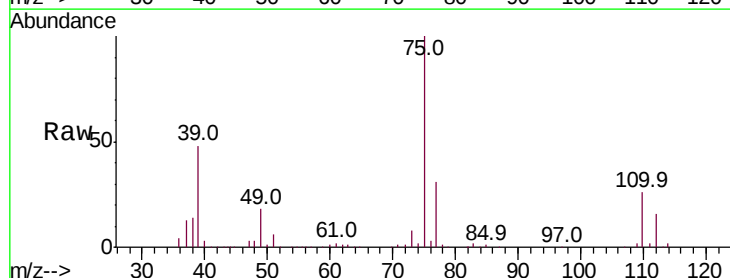
Tgt Ion: 75 Resp: 421665

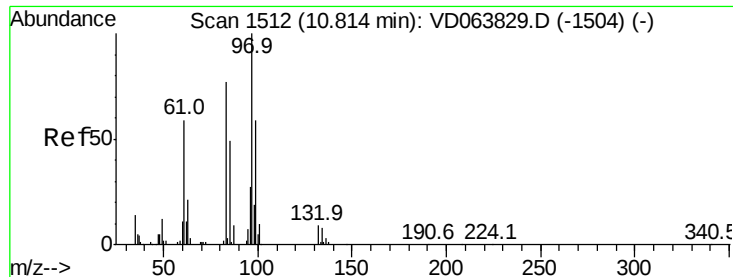
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 47.8 39.5 59.3

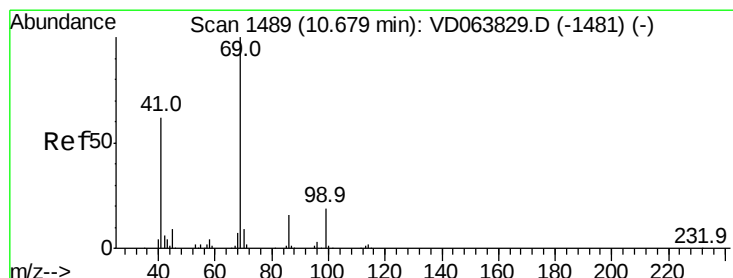
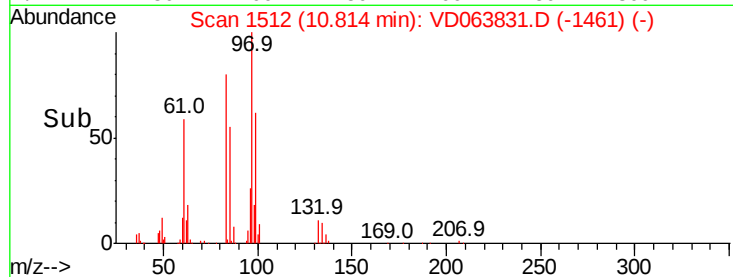
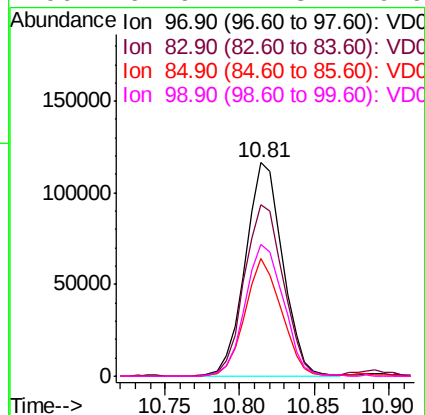
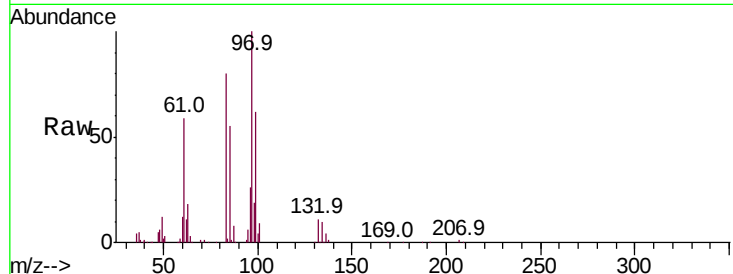




#55
 1,1,2-Trichloroethane
 Concen: 97.355 ug/l
 RT: 10.81 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

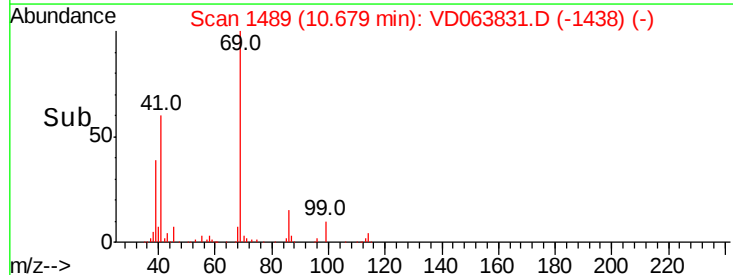
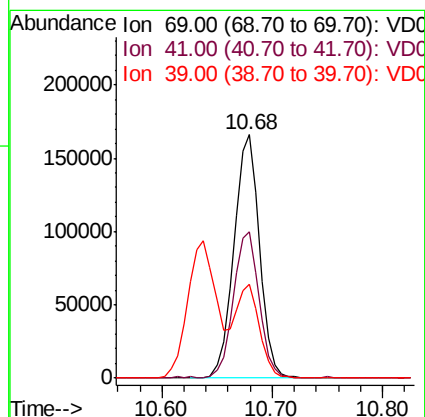
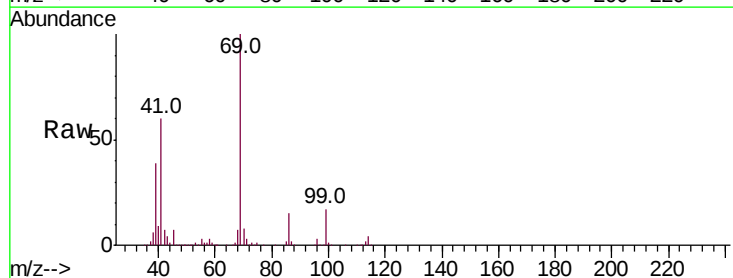
Instrument :
 MSVOA_D
 ClientSampleId :

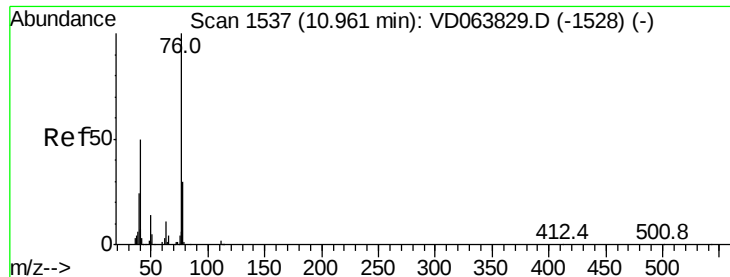
Tot Ion:	97	Resp:	202126
Ion	Ratio	Lower	Upper
97	100		
83	80.4	61.9	92.9
85	55.0	39.4	59.2
99	61.6	47.3	70.9



#56
 Ethyl methacrylate
 Concen: 102.666 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion:	69	Resp:	270916
Ion	Ratio	Lower	Upper
69	100		
41	59.7	52.2	78.4
39	34.0	28.7	43.1

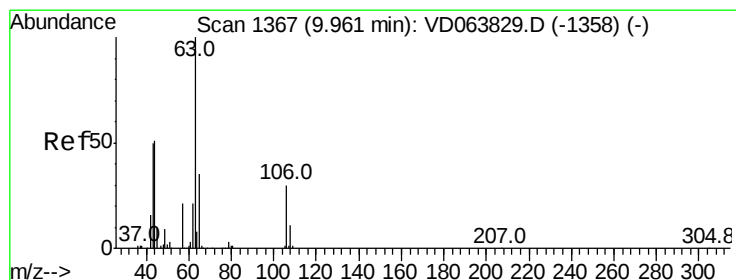
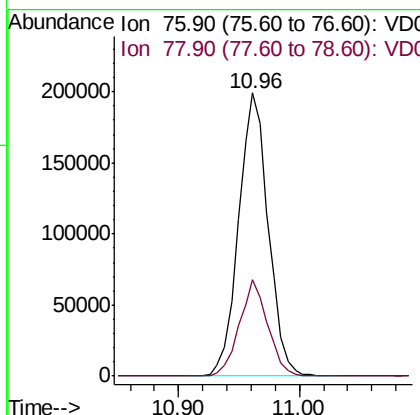
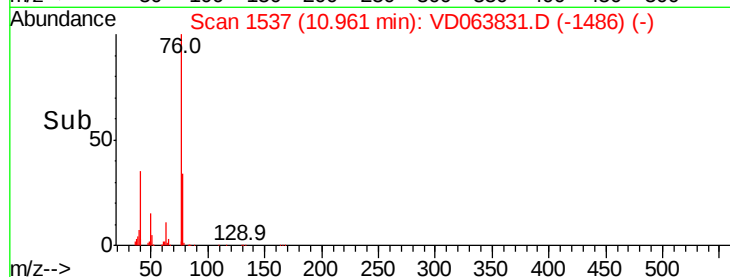
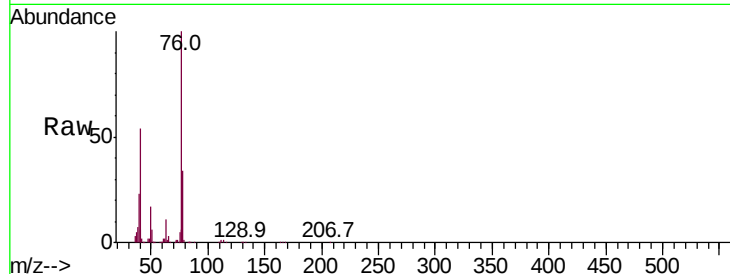




#57
 1,3-Dichloropropane
 Concen: 96.397 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

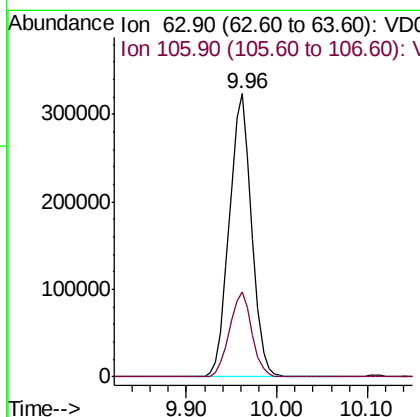
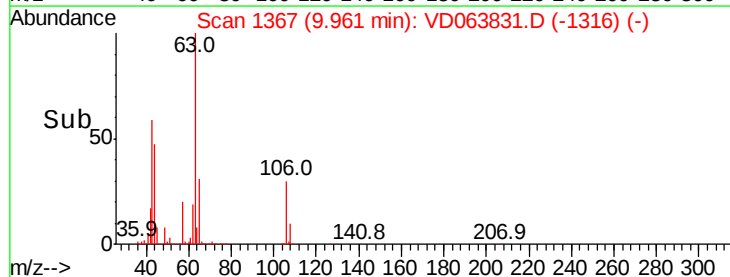
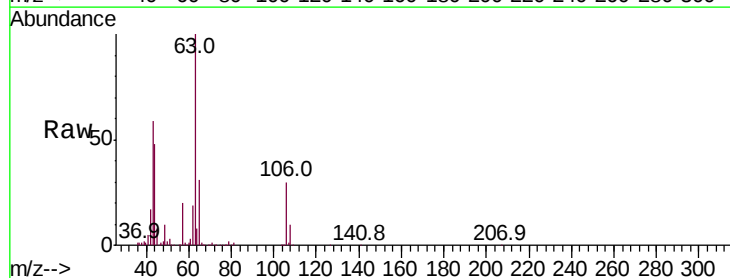
Instrument :
 MSVOA_D
 ClientSampleId :

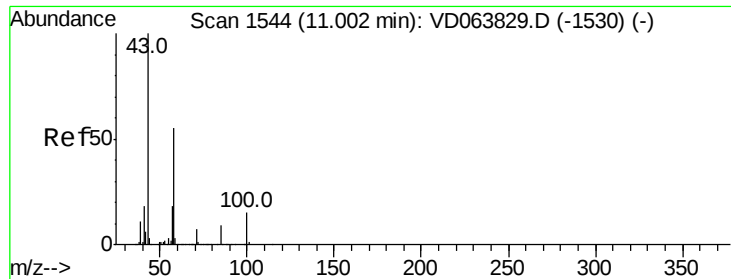
Tot Ion: 76 Resp: 340058
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 471.276 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion: 63 Resp: 555830
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.4 35.0

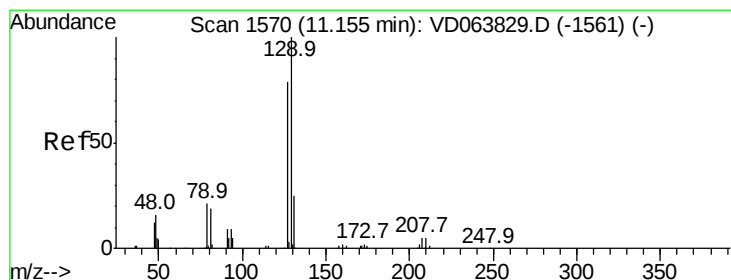
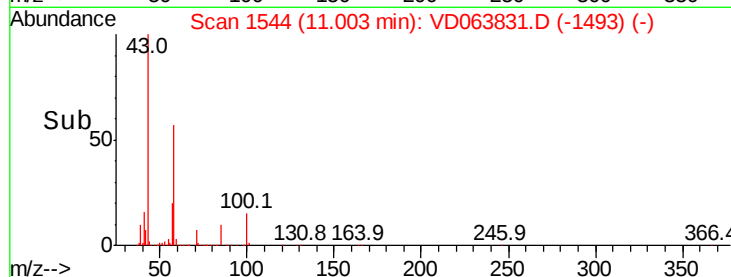
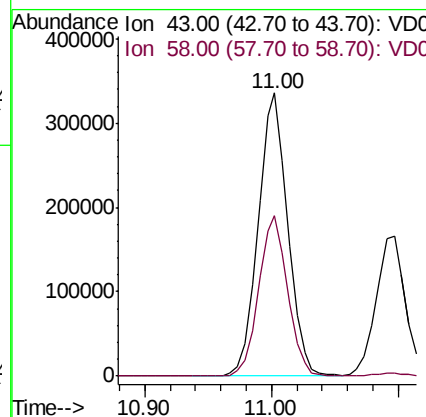
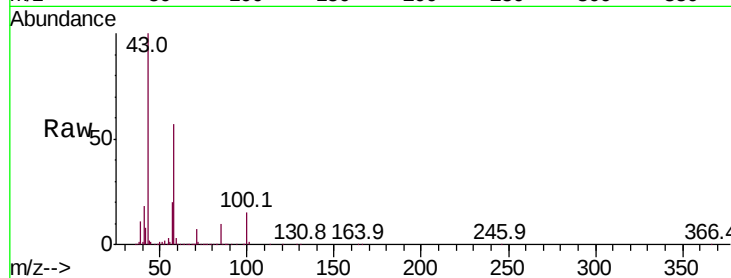




#59
2-Hexanone
Concen: 472.803 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

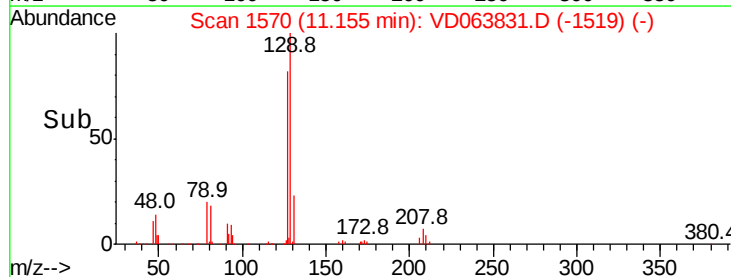
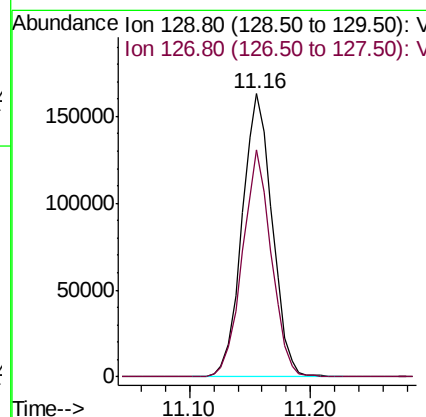
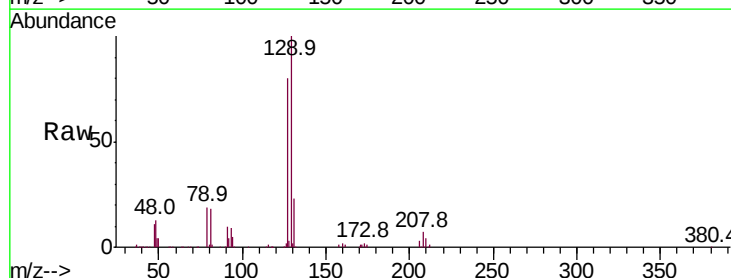
Instrument :
MSVOA_D
ClientSampleId :

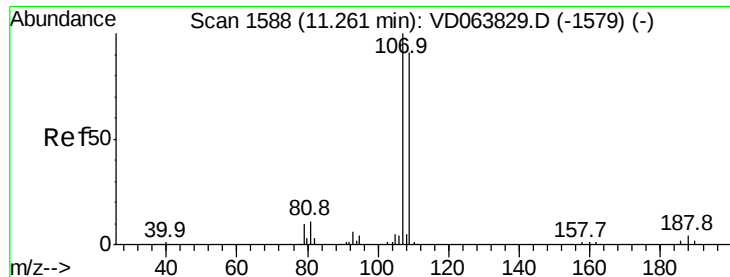
Tot Ion: 43 Resp: 544487
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7



#60
Dibromochloromethane
Concen: 103.580 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 129 Resp: 283795
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

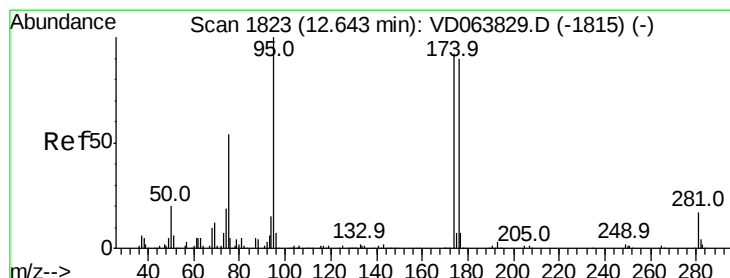
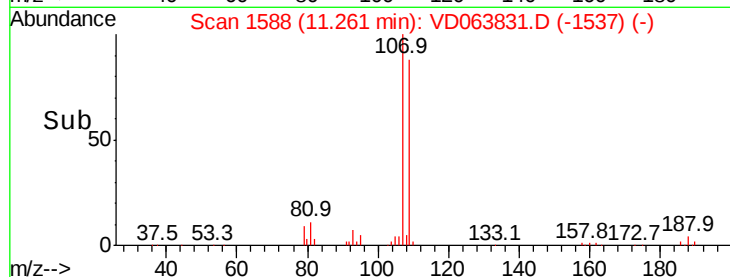
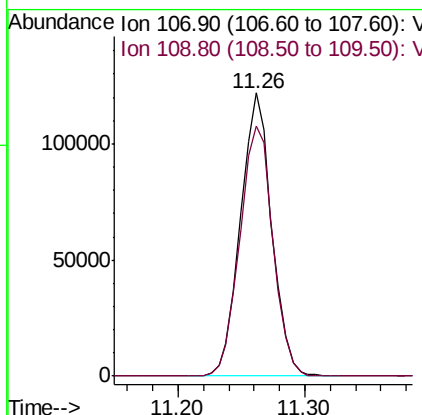
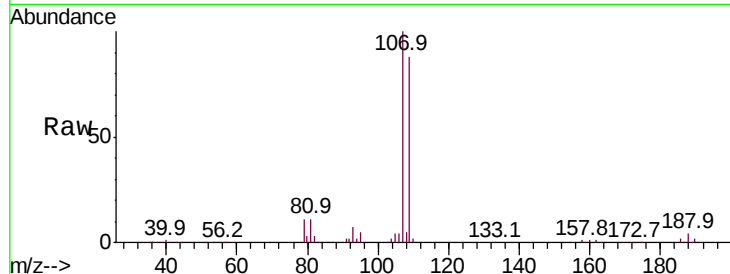




#61
1,2-Dibromoethane
Concen: 100.298 ug/l
RT: 11.26 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

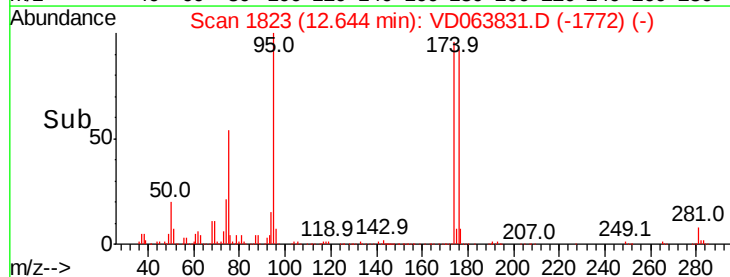
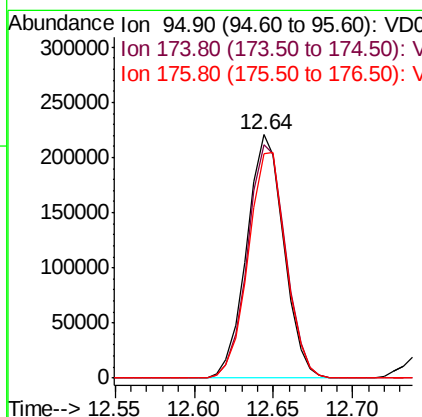
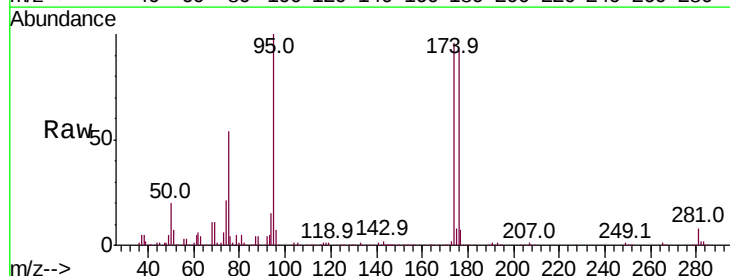
Instrument :
MSVOA_D
ClientSampled :

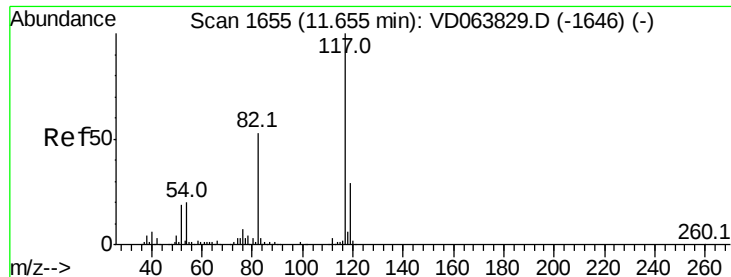
Tot Ion:107 Resp: 208170
Ion Ratio Lower Upper
107 100
109 94.0 74.9 112.3



#62
4-Bromofluorobenzene
Concen: 99.864 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 95 Resp: 359265
Ion Ratio Lower Upper
95 100
174 98.0 0.0 183.2
176 94.4 0.0 177.4

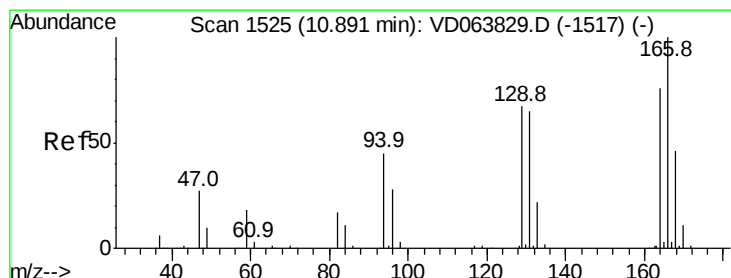
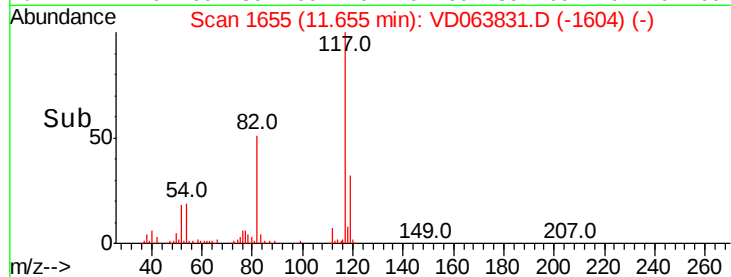
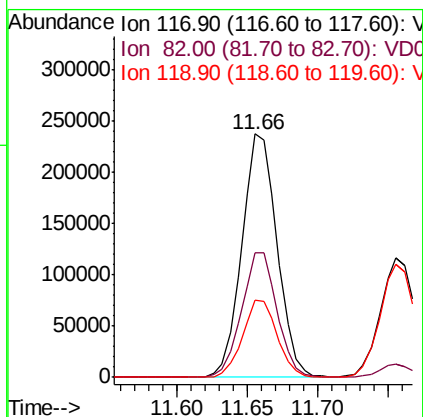
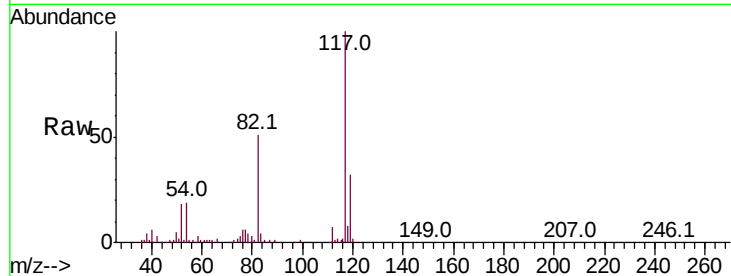




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

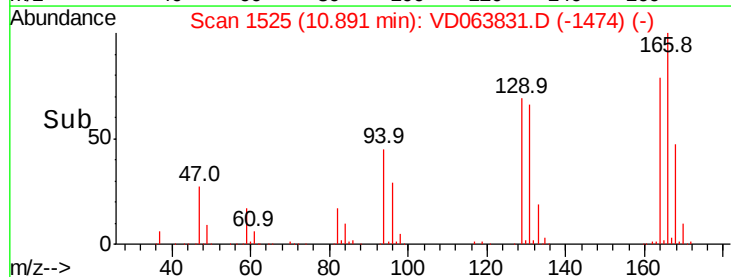
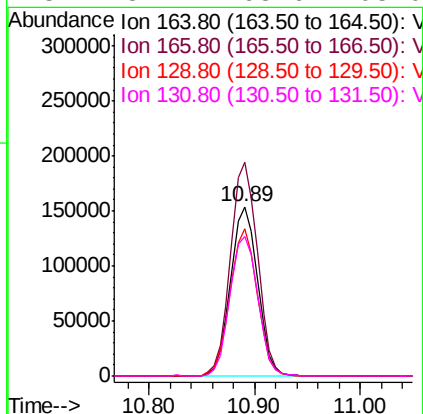
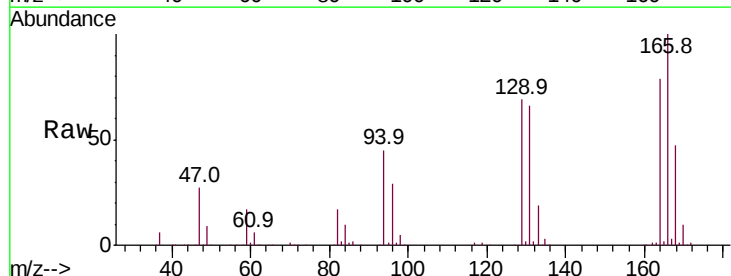
Instrument :
MSVOA_D
ClientSampleId :

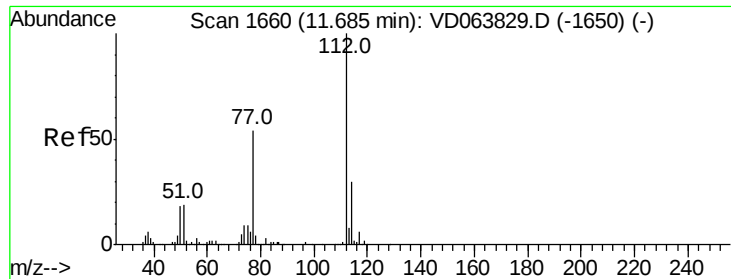
Tot Ion:117 Resp: 415436
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 31.8 23.5 35.3



#64
Tetrachloroethene
Concen: 97.296 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion:164 Resp: 272273
Ion Ratio Lower Upper
164 100
166 126.3 105.5 158.3
129 86.8 70.2 105.4
131 82.7 68.6 103.0

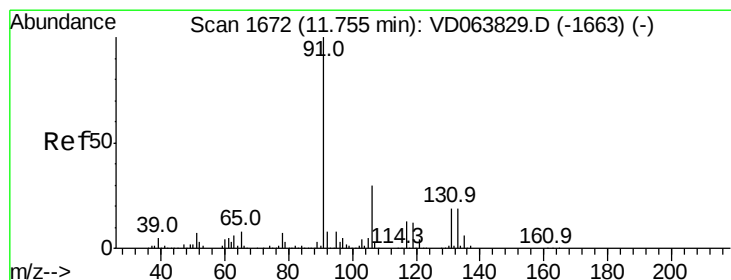
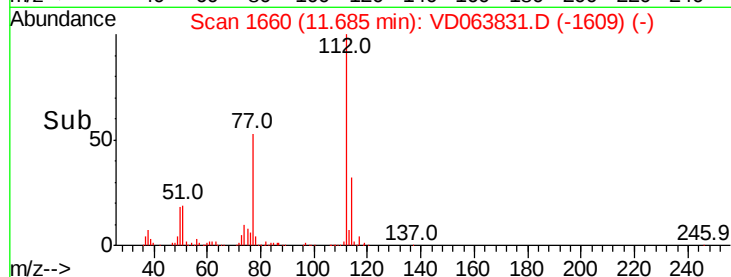
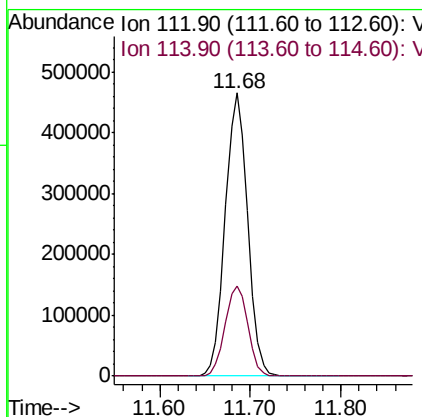
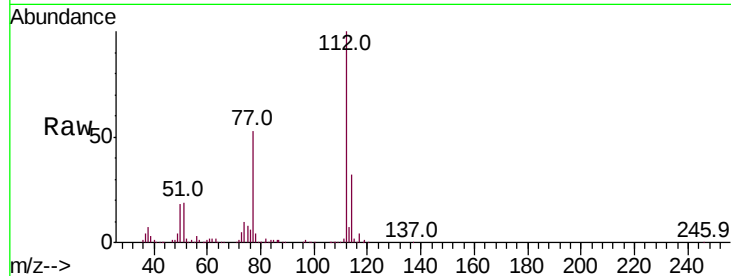




#65
Chlorobenzene
Concen: 95.597 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

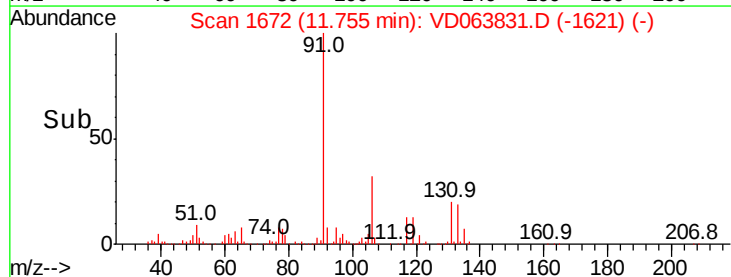
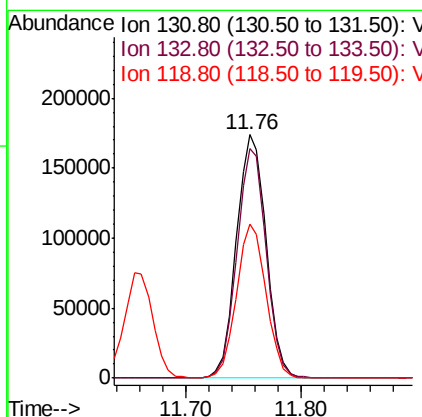
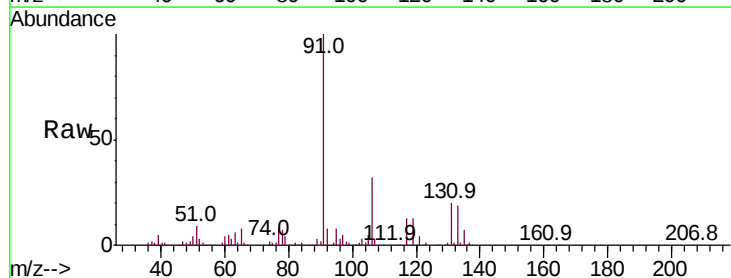
Instrument :
MSVOA_D
ClientSampled :

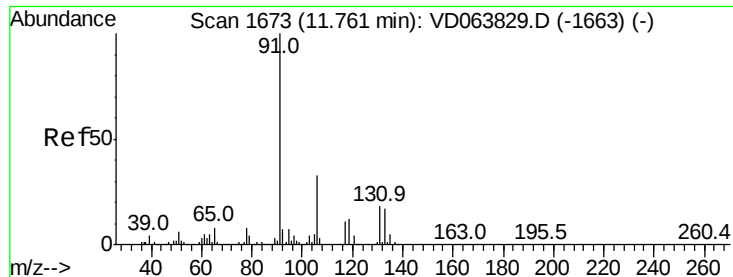
Tot Ion:112 Resp: 798882
Ion Ratio Lower Upper
112 100
114 31.9 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 100.410 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion:131 Resp: 308377
Ion Ratio Lower Upper
131 100
133 93.2 47.4 142.3
119 63.0 31.6 94.8





#67

Ethyl Benzene

Concen: 96.513 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

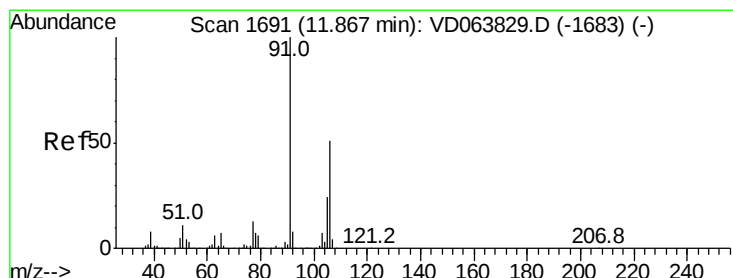
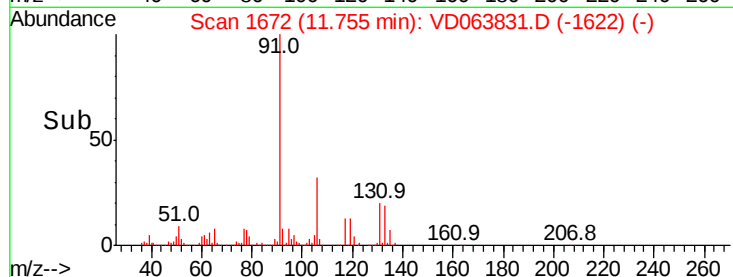
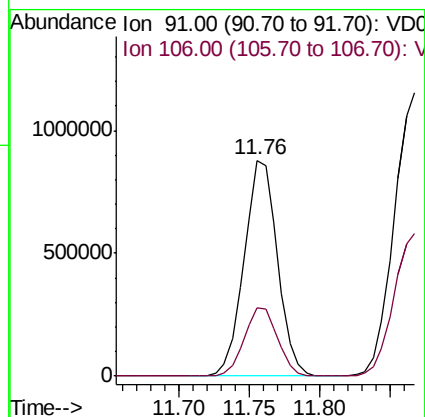
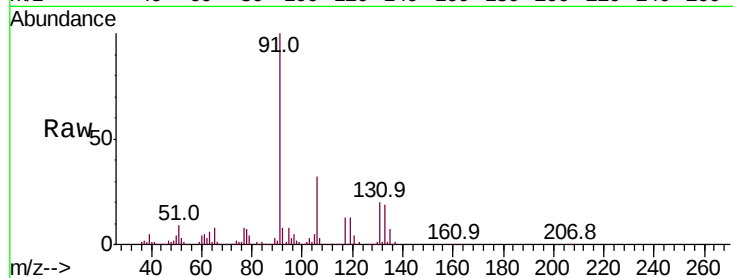
ClientSampleId :

Tot Ion: 91 Resp: 1456862

Ion Ratio Lower Upper

91 100

106 31.5 26.6 40.0



#68

m/p-Xylenes

Concen: 193.334 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063831.D

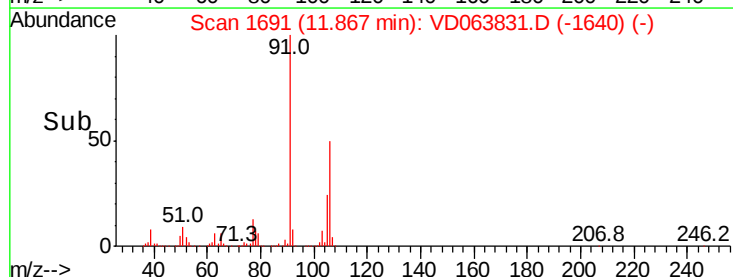
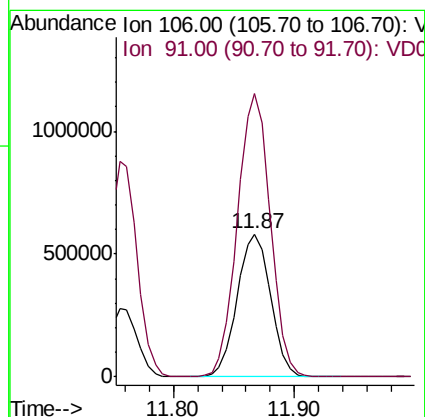
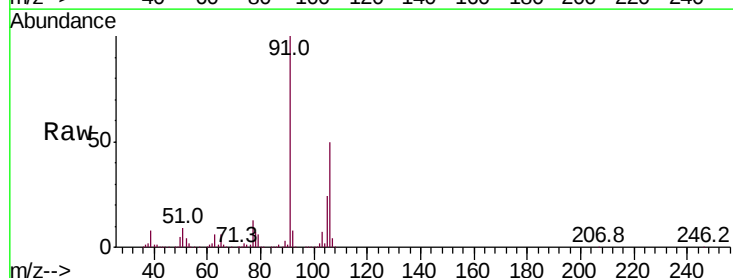
Acq: 25 Sep 2019 19:15

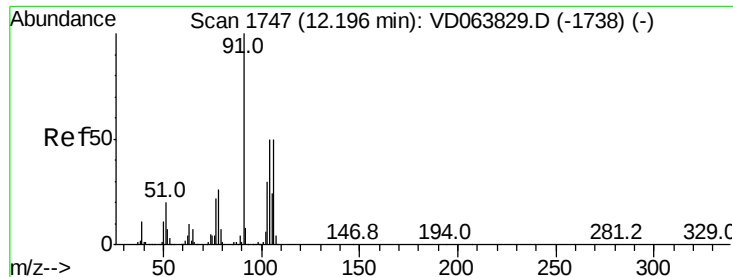
Tgt Ion:106 Resp: 1120692

Ion Ratio Lower Upper

106 100

91 196.0 157.6 236.4

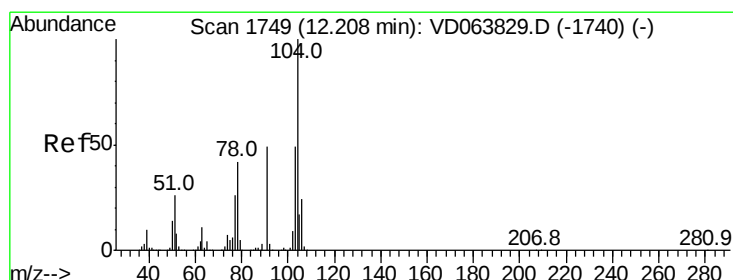
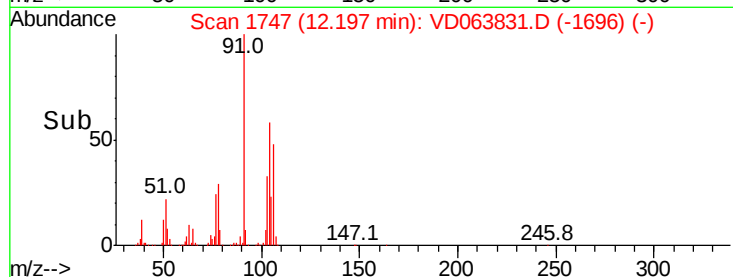
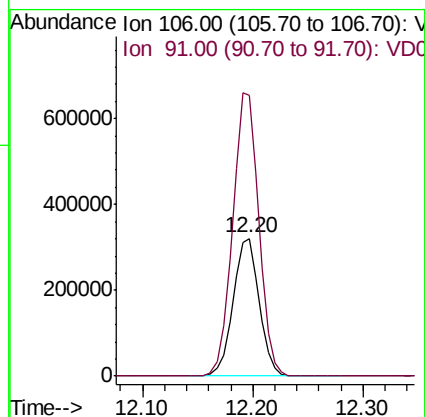
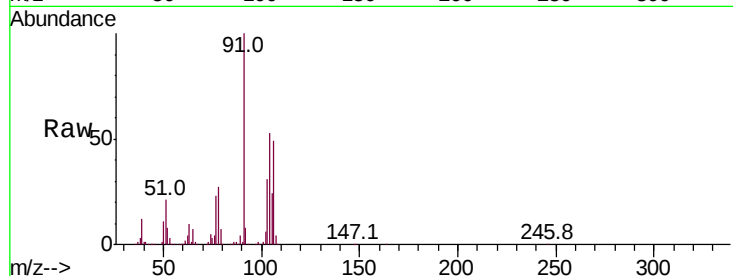




#69
o-Xylene
Concen: 97.149 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

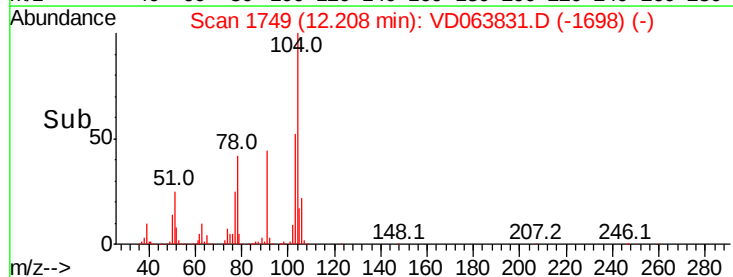
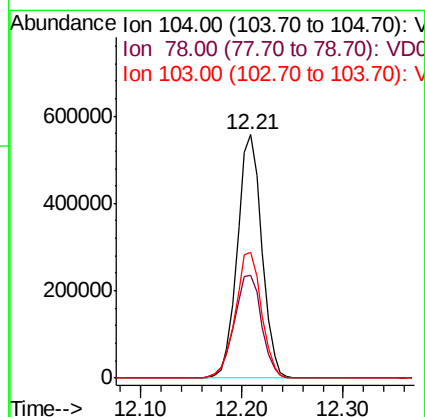
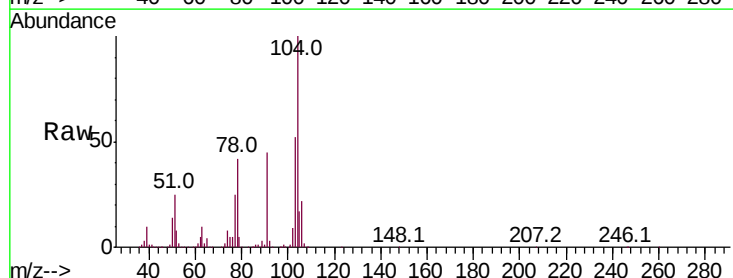
Instrument :
MSVOA_D
ClientSampled :

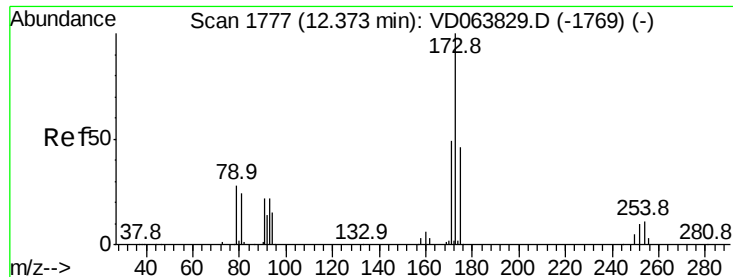
Tot Ion:106 Resp: 531528
Ion Ratio Lower Upper
106 100
91 206.6 102.4 307.1



#70
Styrene
Concen: 100.569 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion:104 Resp: 931239
Ion Ratio Lower Upper
104 100
78 47.3 37.3 55.9
103 55.2 44.2 66.4





#71

Bromoform

Concen: 103.118 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

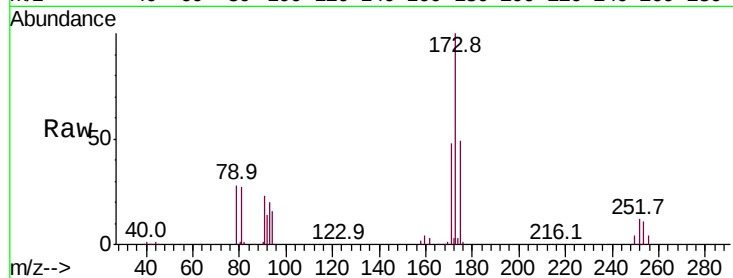
Tot Ion:173 Resp: 175929

Ion Ratio Lower Upper

173 100

175 49.0 23.3 69.8

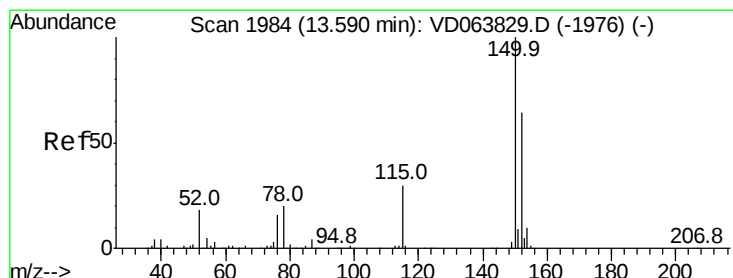
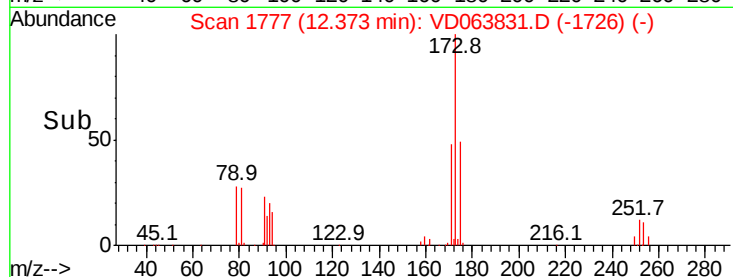
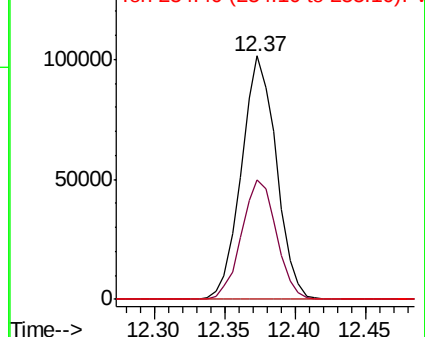
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

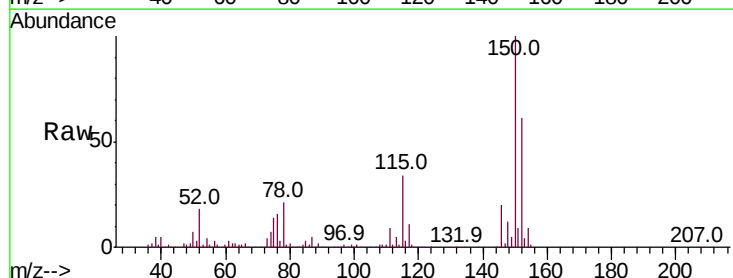
Tgt Ion:152 Resp: 220206

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

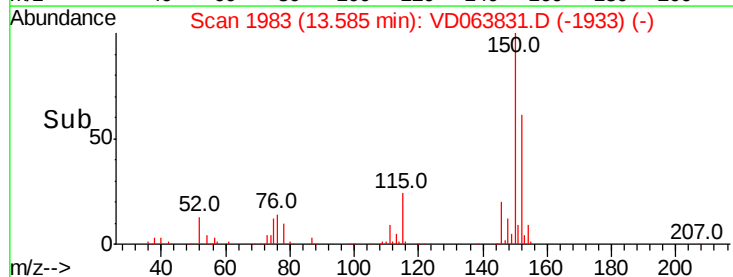
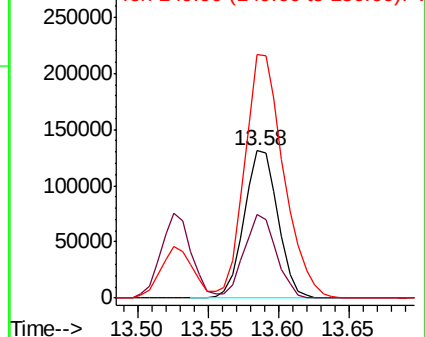
150 190.4 0.0 344.0

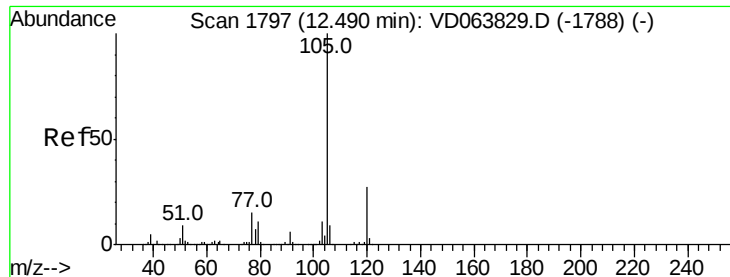


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 95.721 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

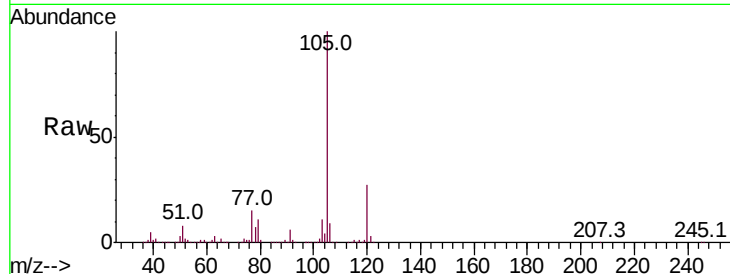
ClientSampleId :

Tot Ion:105 Resp: 1439724

Ion Ratio Lower Upper

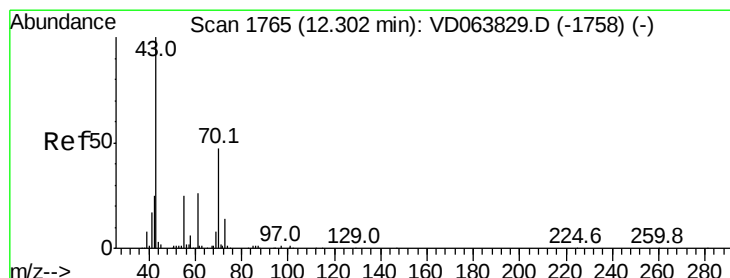
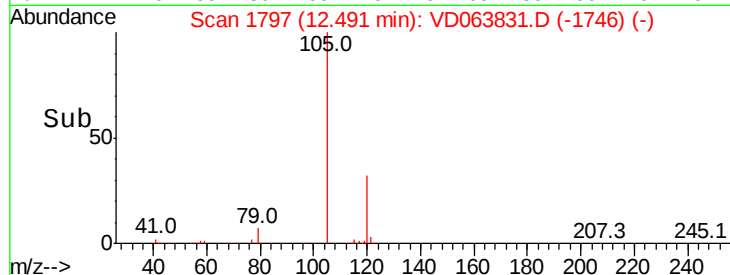
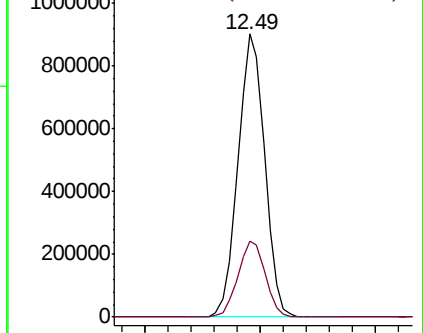
105 100

120 27.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 92.145 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Tgt Ion: 43 Resp: 303391

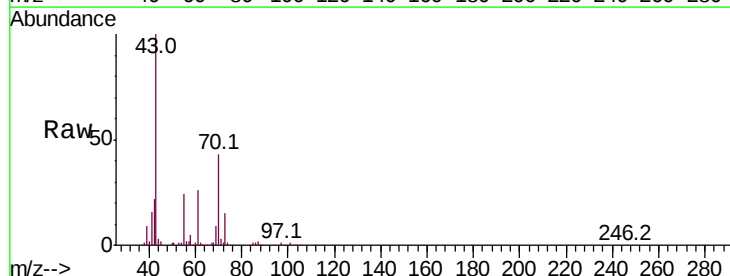
Ion Ratio Lower Upper

43 100

70 42.7 35.0 52.6

55 23.0 19.8 29.6

61 24.7 19.6 29.4

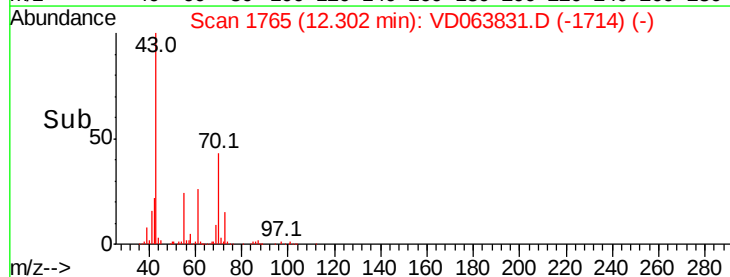
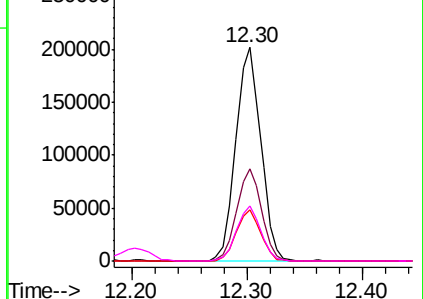


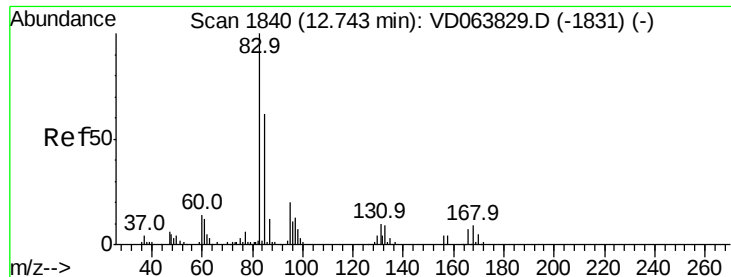
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 92.765 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

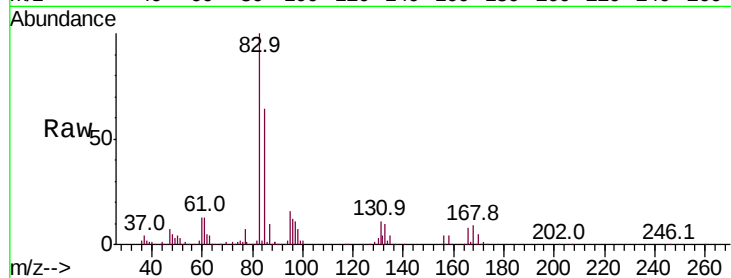
Tot Ion: 83 Resp: 232565

Ion Ratio Lower Upper

83 100

131 12.0 5.6 16.8

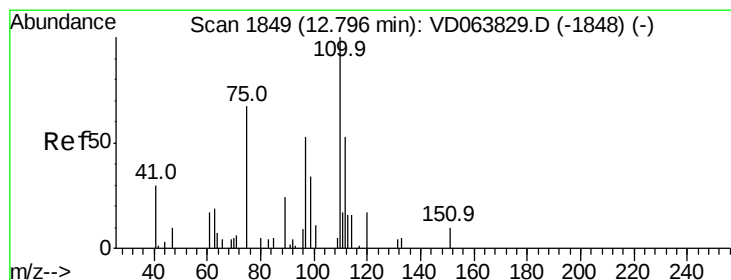
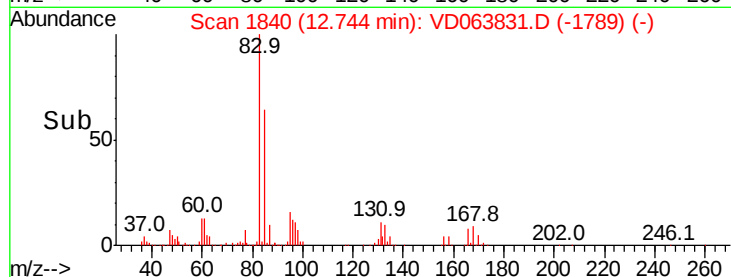
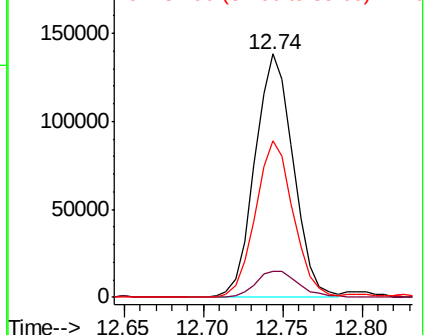
85 63.6 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 220.216 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VD063831.D

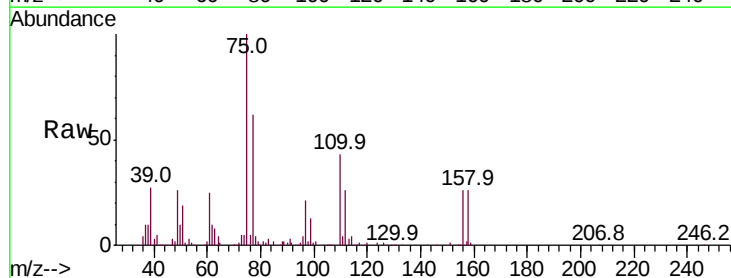
Acq: 25 Sep 2019 19:15

Tgt Ion: 75 Resp: 307542

Ion Ratio Lower Upper

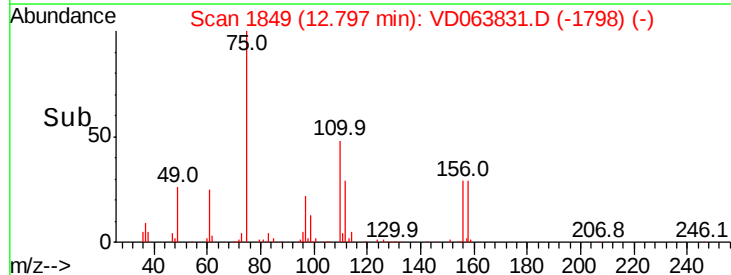
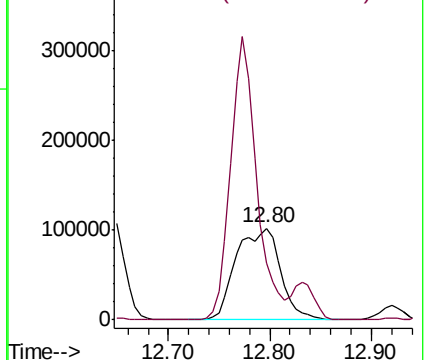
75 100

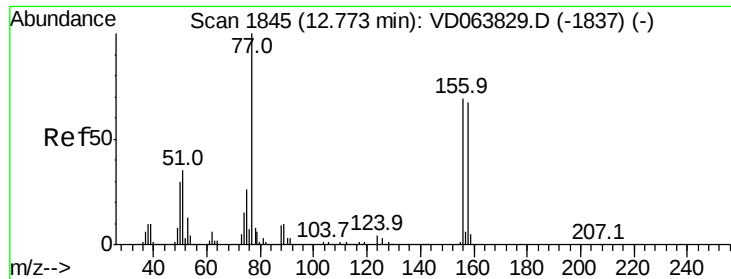
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 99.664 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

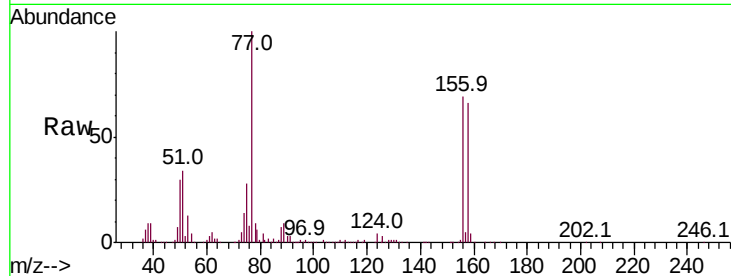
Tot Ion:156 Resp: 360255

Ion Ratio Lower Upper

156 100

77 156.3 79.8 239.4

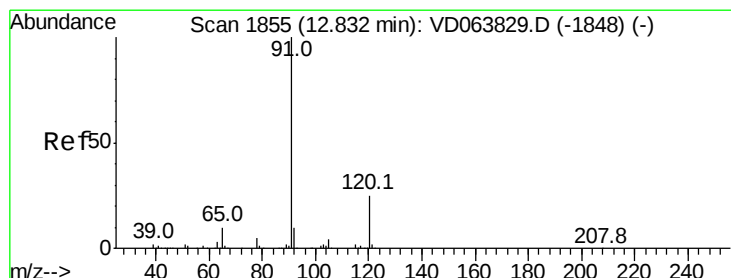
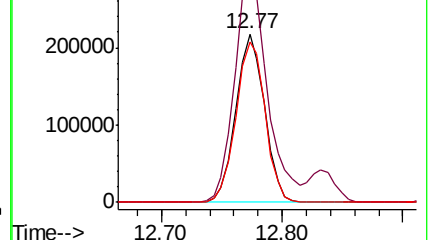
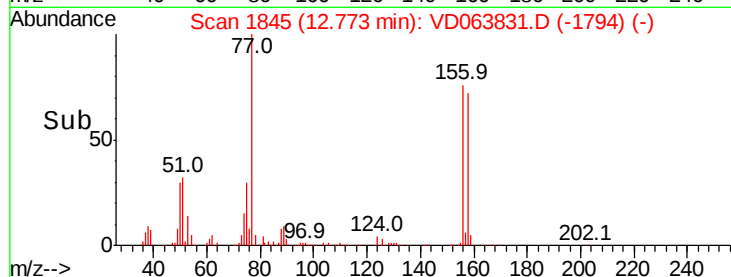
158 97.2 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.477 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063831.D

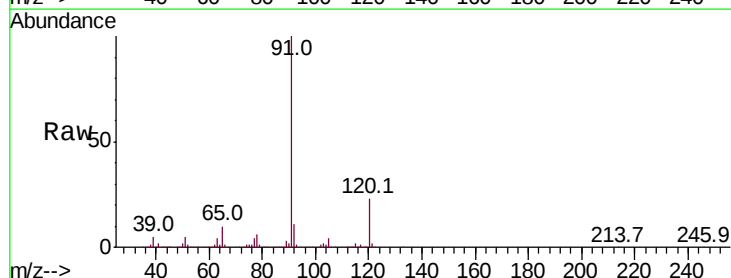
Acq: 25 Sep 2019 19:15

Tgt Ion: 91 Resp: 1671800

Ion Ratio Lower Upper

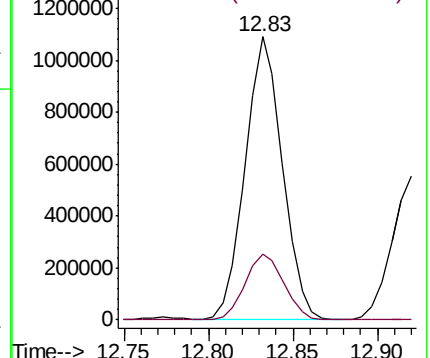
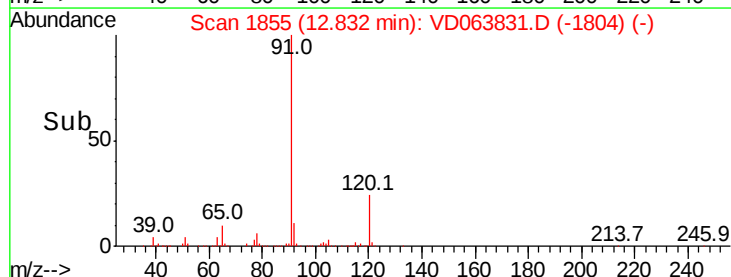
91 100

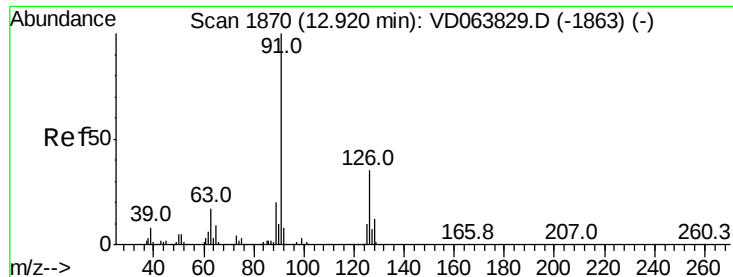
120 24.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.539 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

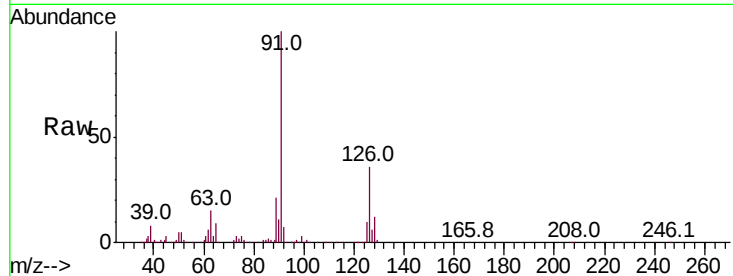
ClientSampled :

Tot Ion: 91 Resp: 911867

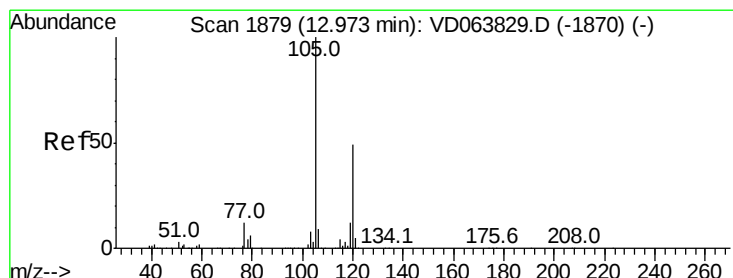
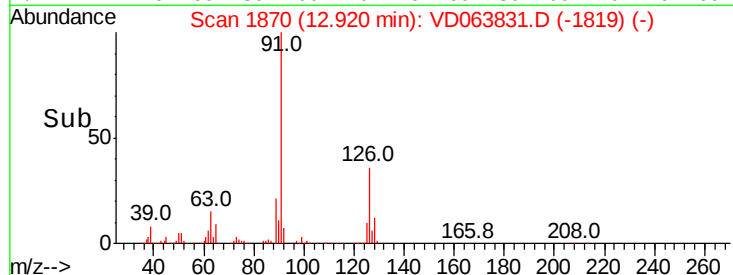
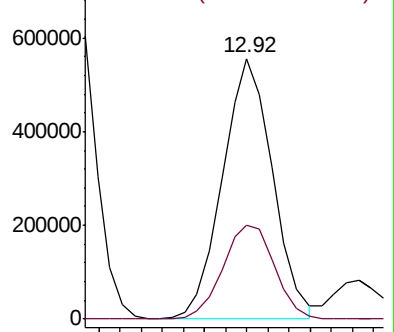
Ion Ratio Lower Upper

91 100

126 37.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 96.319 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063831.D

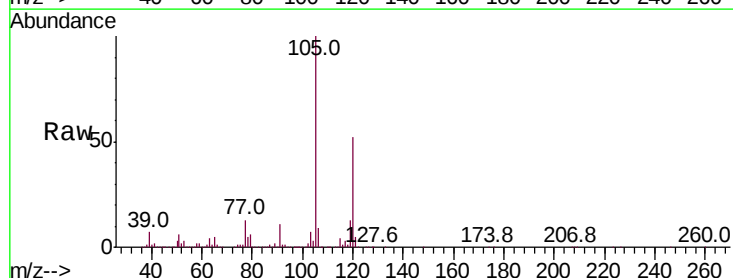
Acq: 25 Sep 2019 19:15

Tgt Ion:105 Resp: 1207693

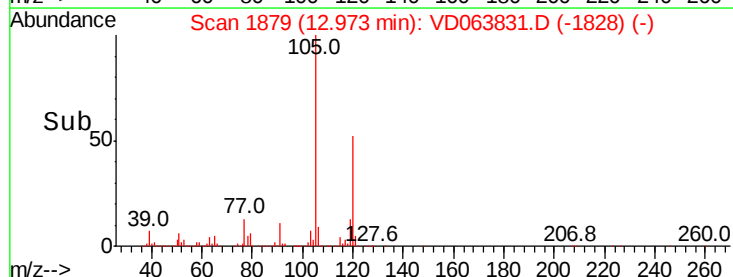
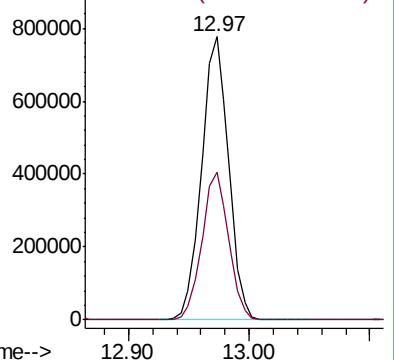
Ion Ratio Lower Upper

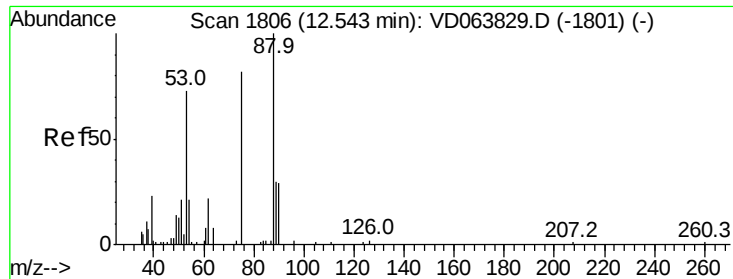
105 100

120 51.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

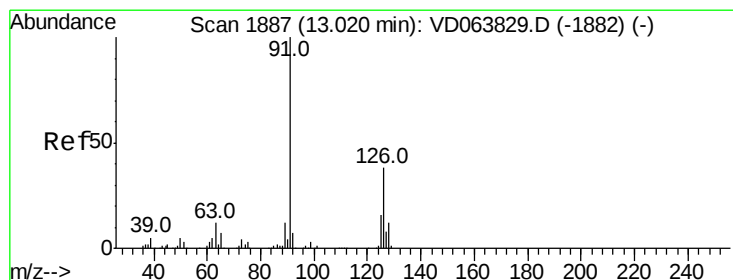
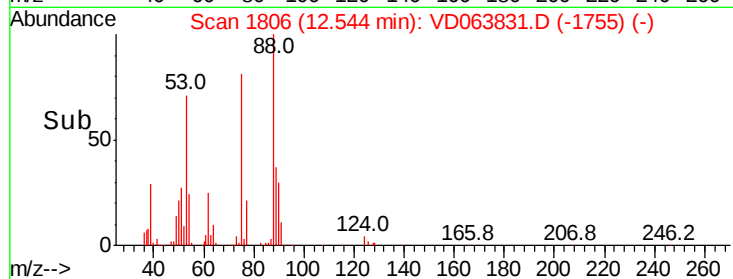
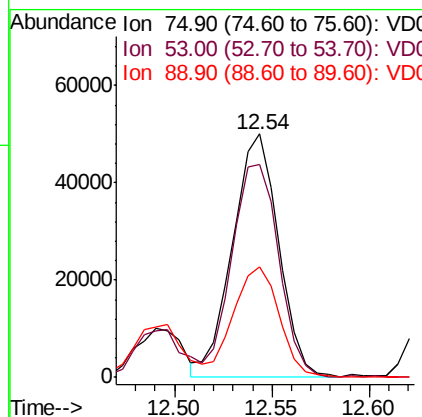
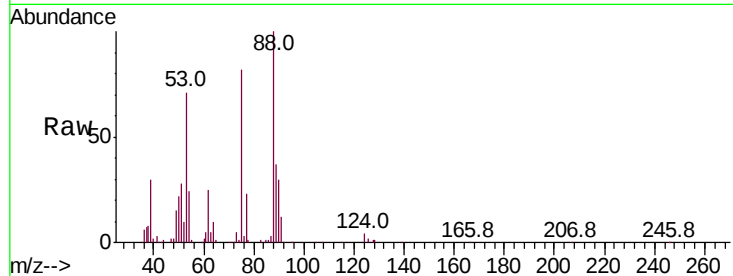




#81
trans-1,4-Dichloro-2-butene
Concen: 96.898 ug/l
RT: 12.54 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

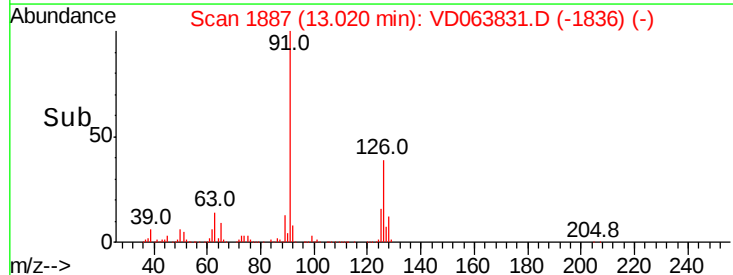
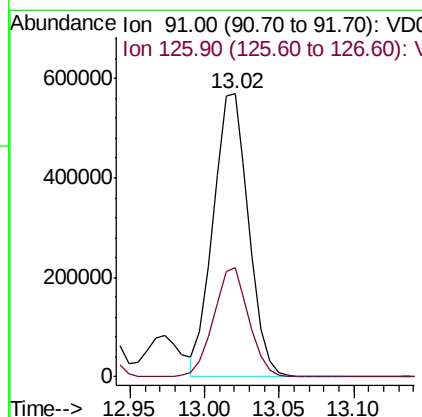
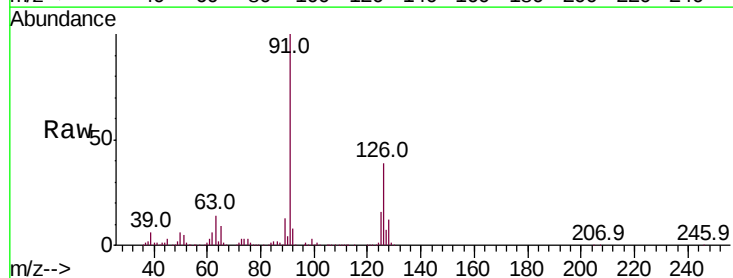
Instrument :
MSVOA_D
ClientSampleId :

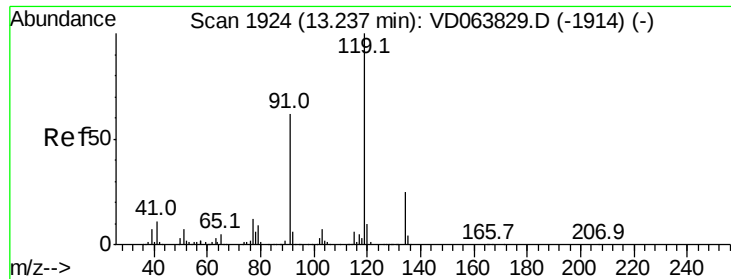
Tot Ion: 75 Resp: 81012
Ion Ratio Lower Upper
75 100
53 89.2 76.5 114.7
89 45.8 37.0 55.6



#82
4-Chlorotoluene
Concen: 92.547 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 91 Resp: 942276
Ion Ratio Lower Upper
91 100
126 38.3 18.6 55.6

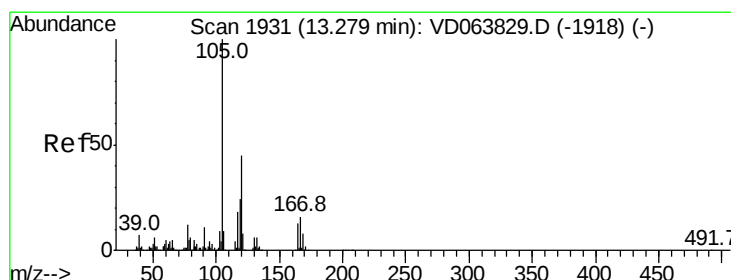
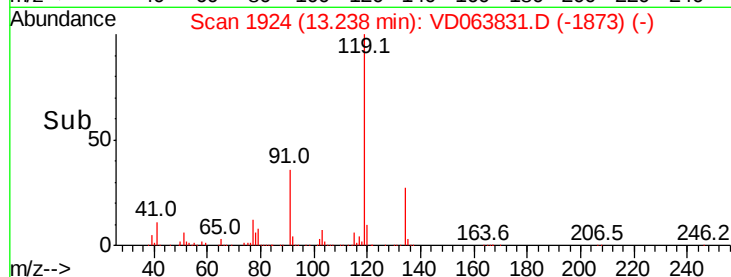
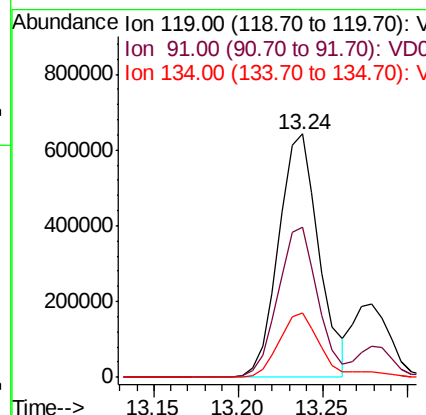
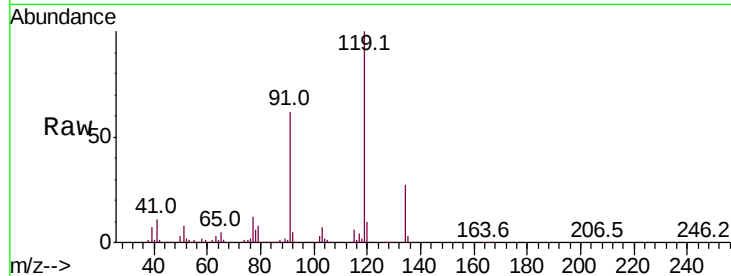




#83
 tert-Butylbenzene
 Concen: 97.490 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

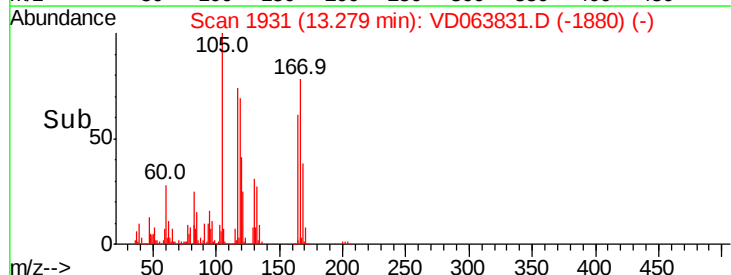
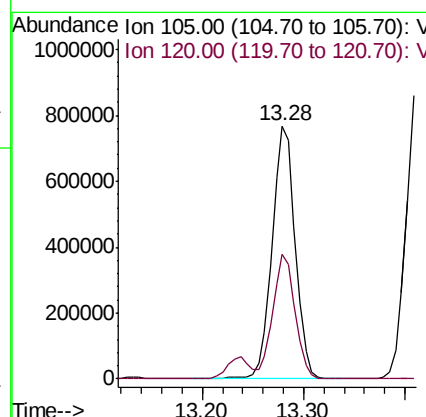
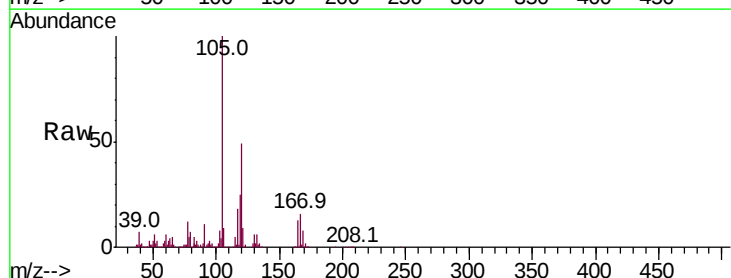
Instrument :
 MSVOA_D
 ClientSampleId :

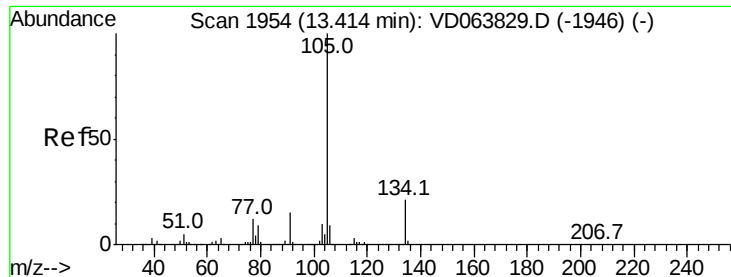
Tot Ion:119 Resp: 1068069
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.8 92.3
 134 28.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 96.370 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion:105 Resp: 1226713
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 95.834 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

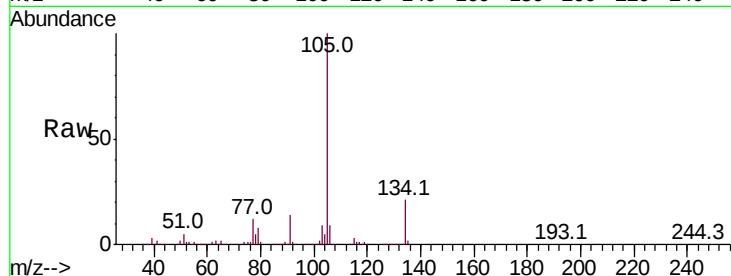
ClientSampled :

Tot Ion:105 Resp: 1460954

Ion Ratio Lower Upper

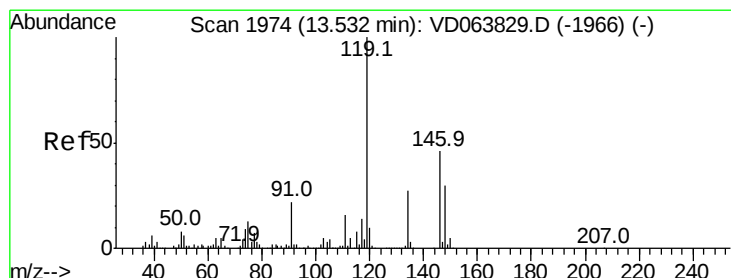
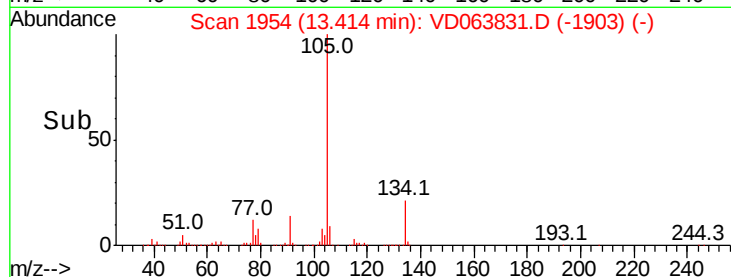
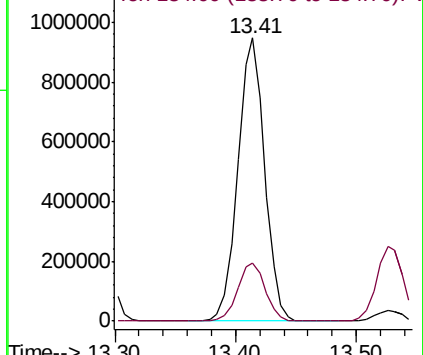
105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.613 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

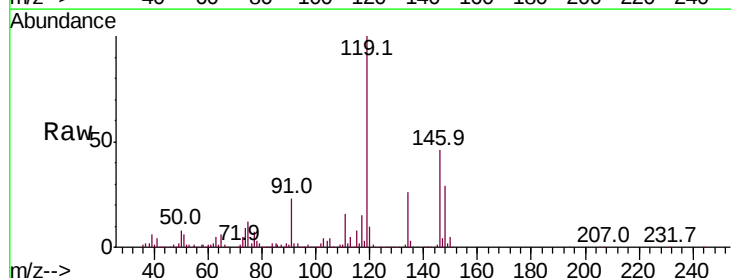
Tgt Ion:119 Resp: 1426194

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

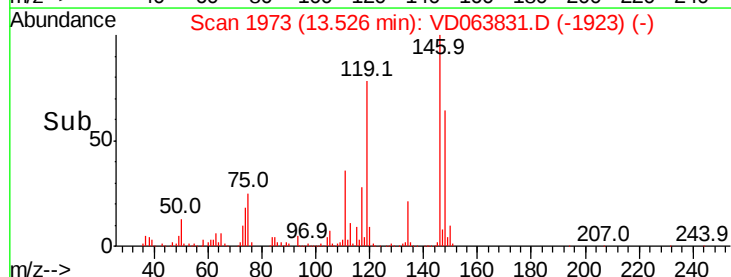
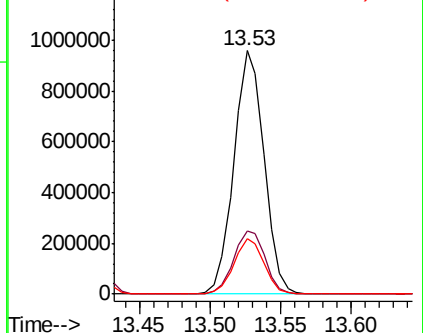
91 22.6 11.4 34.1

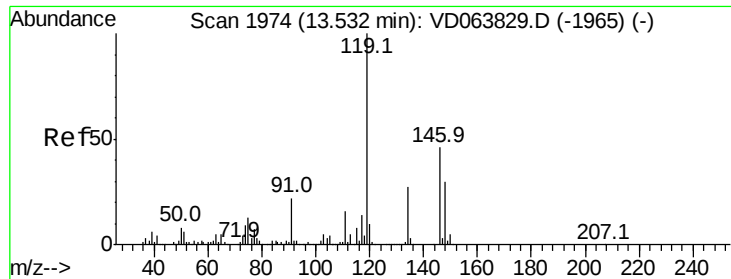


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 101.058 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

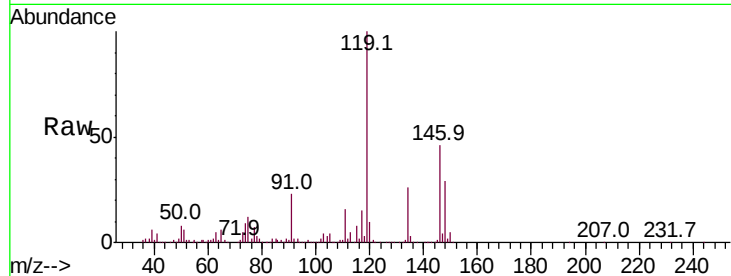
Tot Ion:146 Resp: 717224

Ion Ratio Lower Upper

146 100

111 36.3 18.3 54.8

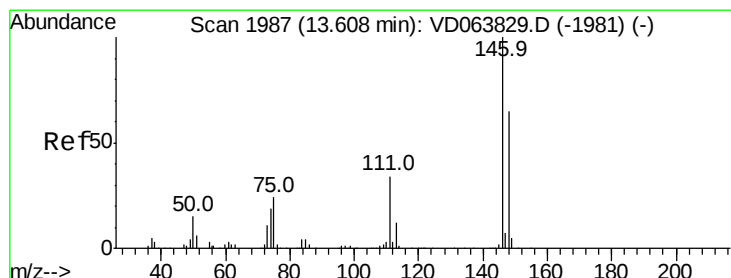
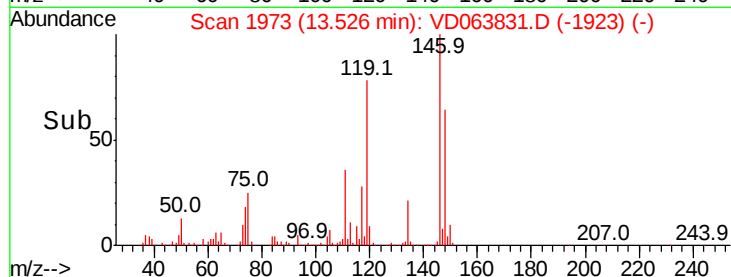
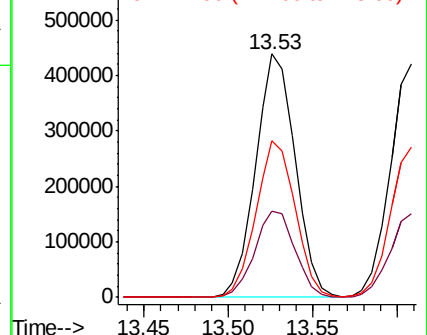
148 63.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 97.810 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

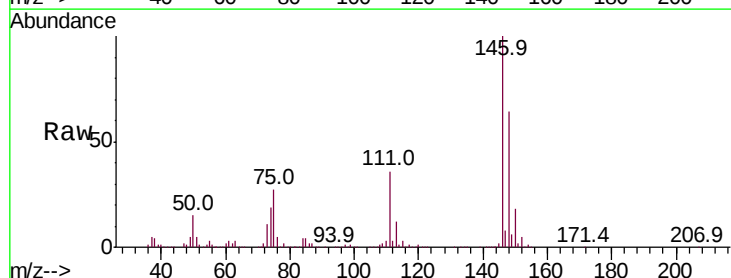
Tgt Ion:146 Resp: 690386

Ion Ratio Lower Upper

146 100

111 35.2 18.5 55.5

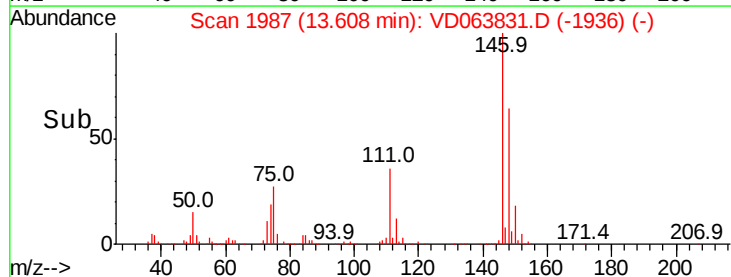
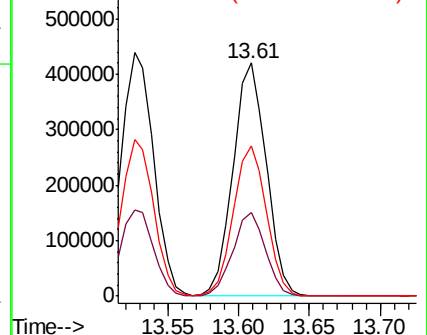
148 64.0 33.0 99.0

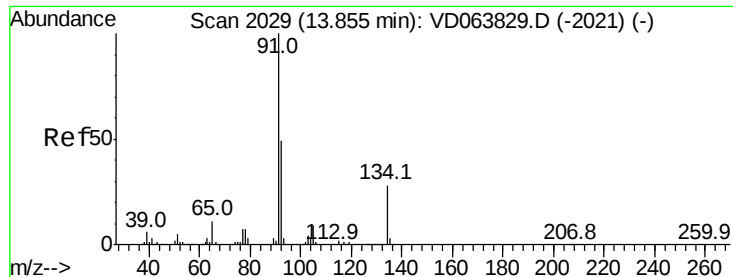


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

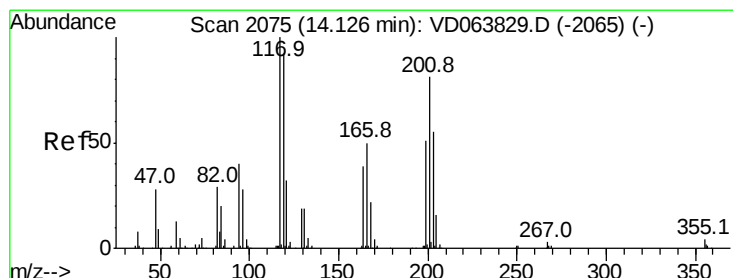
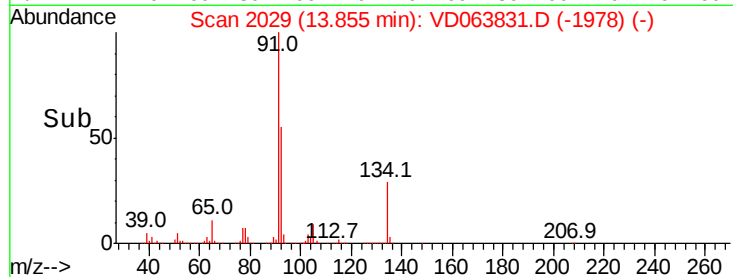
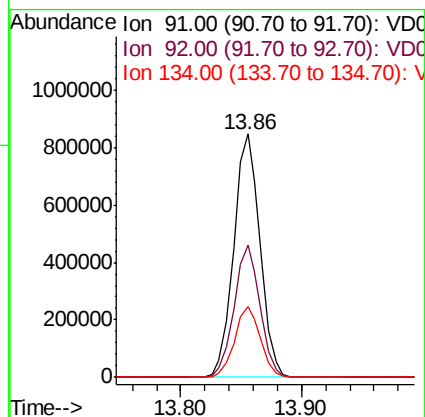
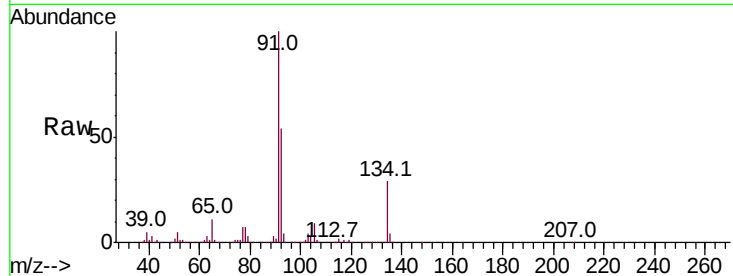




#89
n-Butylbenzene
Concen: 93.923 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

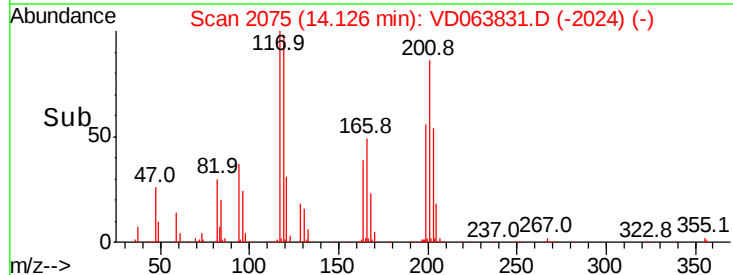
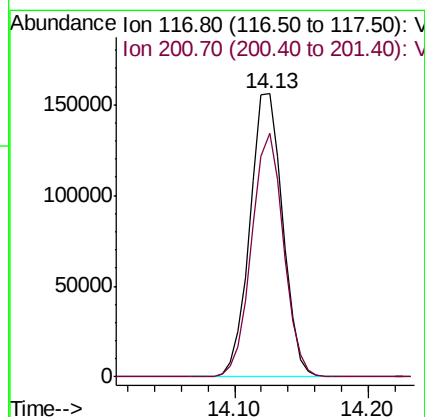
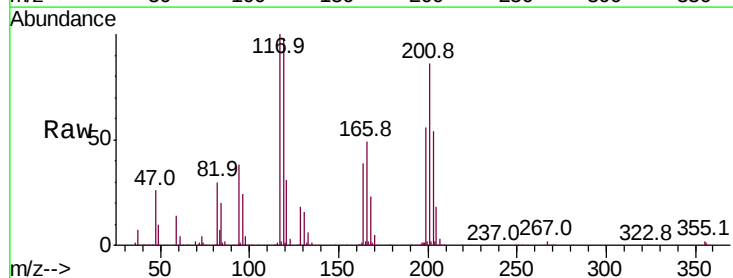
Instrument :
MSVOA_D
ClientSampled :

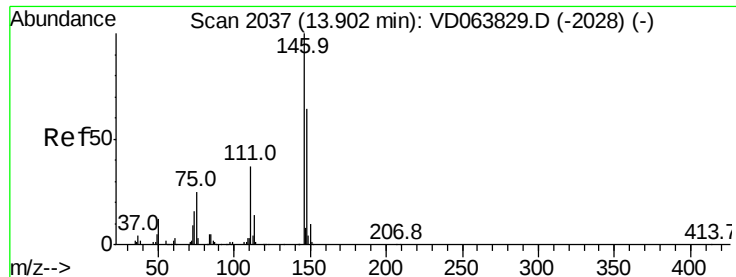
Tot Ion: 91 Resp: 1279835
Ion Ratio Lower Upper
91 100
92 53.3 26.1 78.2
134 28.5 14.0 41.9



#90
Hexachloroethane
Concen: 99.656 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion: 117 Resp: 264281
Ion Ratio Lower Upper
117 100
201 83.7 39.3 117.8





#91

1,2-Dichlorobenzene

Concen: 99.989 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

Instrument :

MSVOA_D

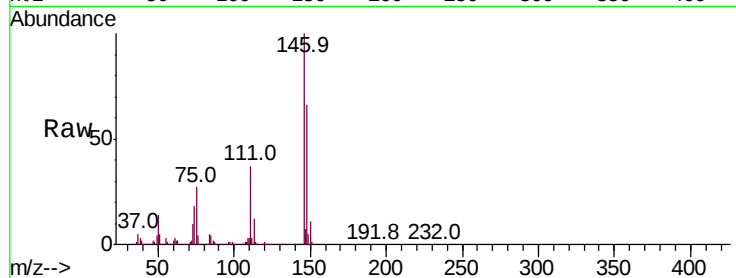
ClientSampleId :

Tot Ion:146 Resp: 608710

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.7	32.2	96.6

111 37.6 18.9 56.7

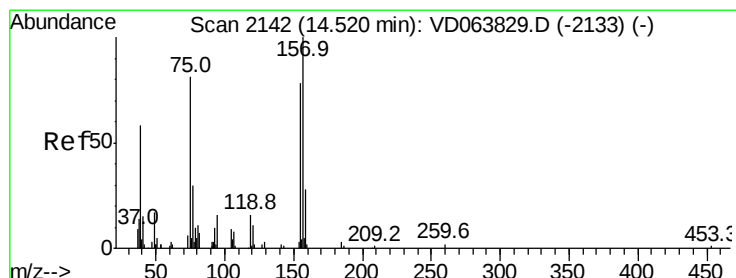
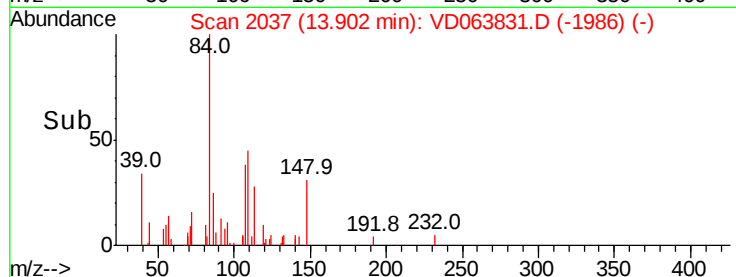
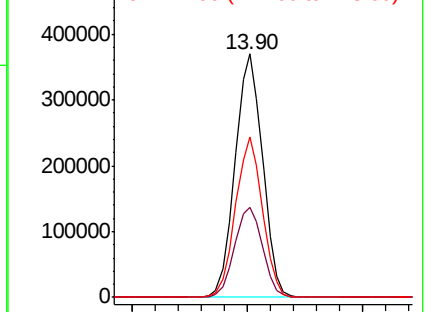
148 64.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): 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: 94.705 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD063831.D

Acq: 25 Sep 2019 19:15

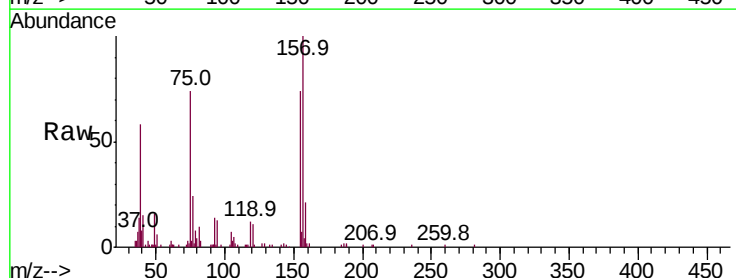
Tgt Ion: 75 Resp: 40061

Ion	Ratio	Lower	Upper
75	100		
155	101.4	48.0	144.0
157	126.9	63.2	189.8

75 100

155 101.4 48.0 144.0

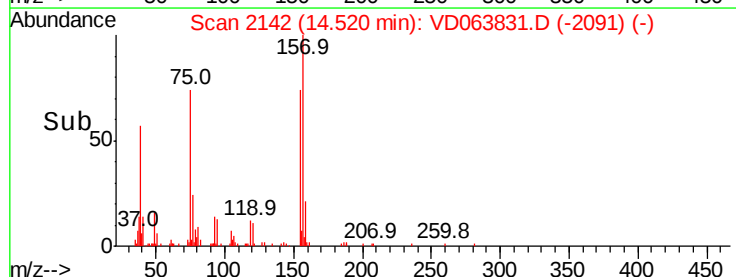
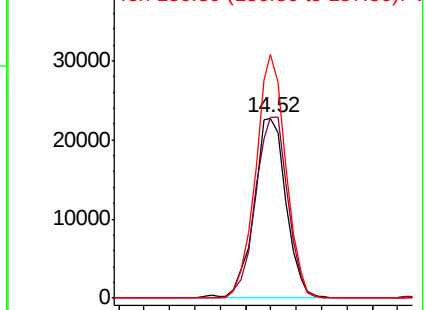
157 126.9 63.2 189.8

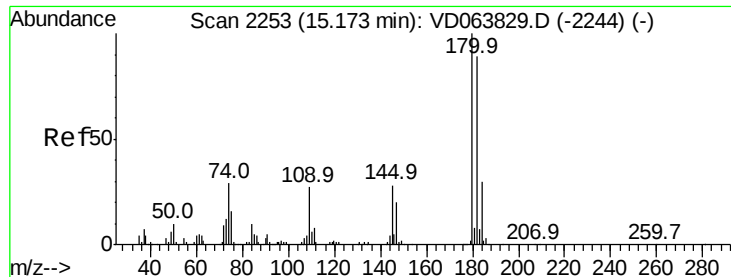


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

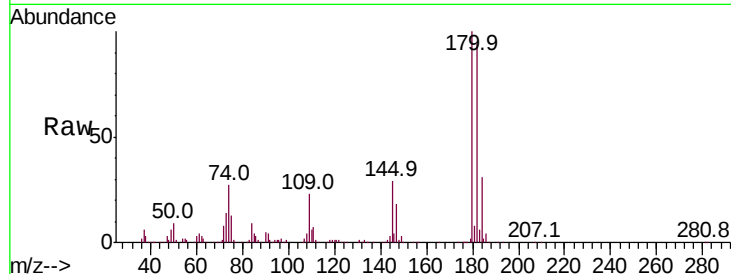




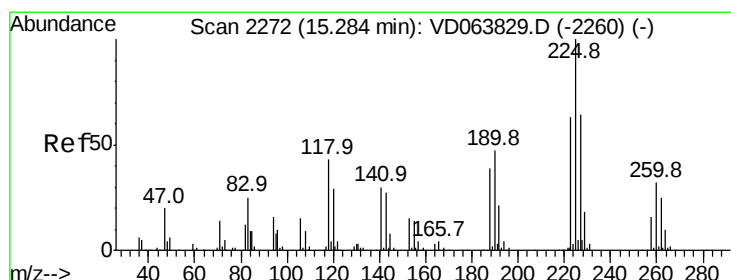
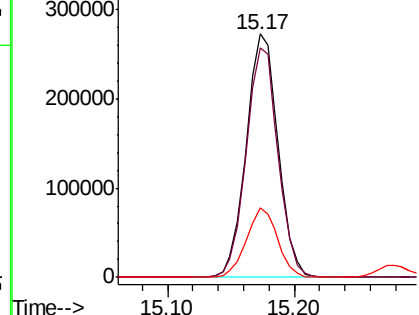
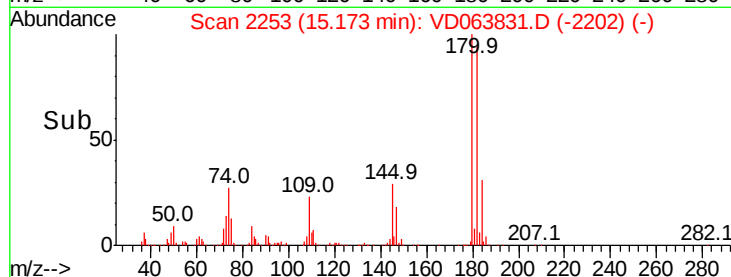
#93
 1,2,4-Trichlorobenzene
 Concen: 102.454 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.5	139.5
145	27.9	14.4	43.4

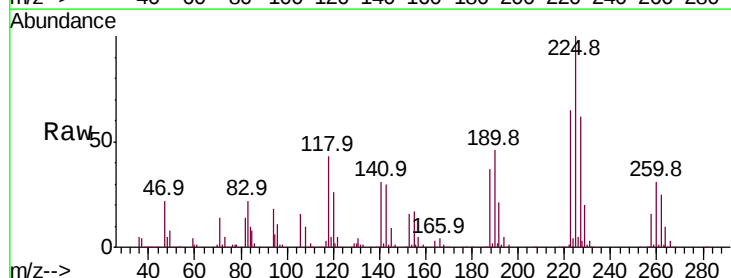


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

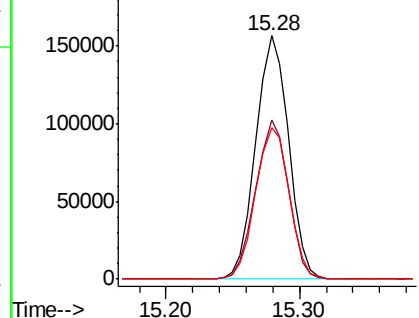
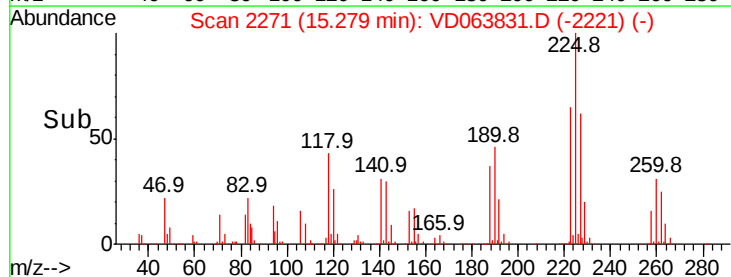


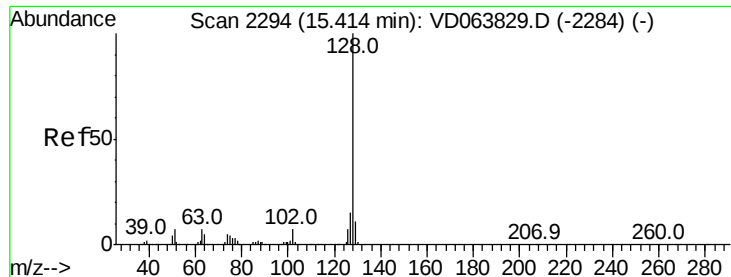
#94
 Hexachlorobutadiene
 Concen: 101.502 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063831.D
 Acq: 25 Sep 2019 19:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.8	98.3
227	63.8	32.8	98.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

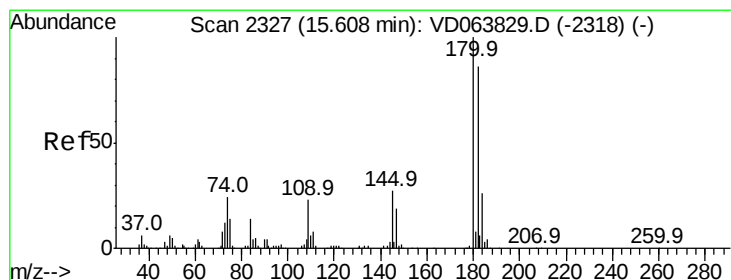
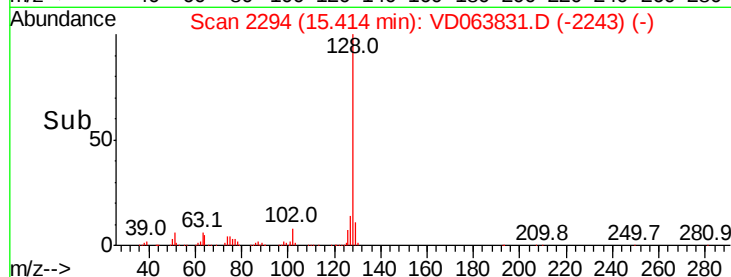
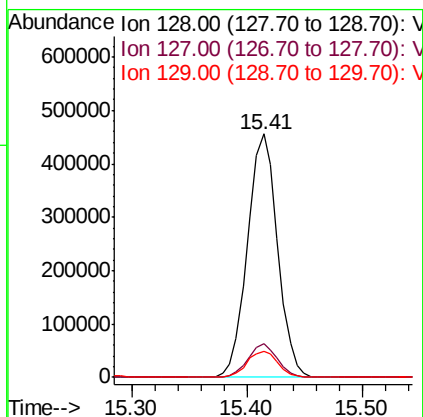
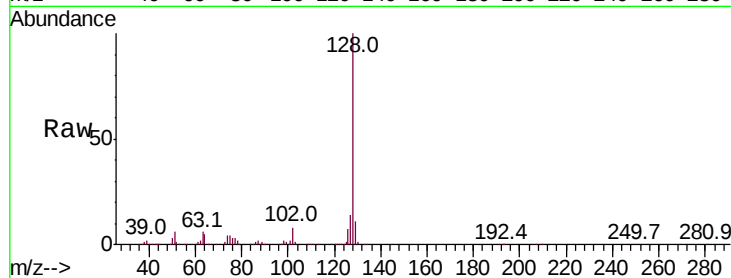




#95
Naphthalene
Concen: 99.626 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 827096
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 99.901 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063831.D
Acq: 25 Sep 2019 19:15

Tgt Ion:180 Resp: 409465
Ion Ratio Lower Upper
180 100
182 94.3 46.6 139.7
145 29.6 14.5 43.5

