

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064106.D
 Acq On : 29 Oct 2019 23:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:11:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	214891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	98034	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	7.92	113	104944	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	417325	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.64	95	138693	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95846	43.680	ug/l	97
3) Chloromethane	2.21	50	175922	48.051	ug/l	99
4) Vinyl Chloride	2.35	62	186386	46.946	ug/l	100
5) Bromomethane	2.77	94	135805	52.487	ug/l	94
6) Chloroethane	2.93	64	125783	51.008	ug/l	98
7) Trichlorofluoromethane	3.27	101	258441	47.286	ug/l	98
8) Diethyl Ether	3.71	74	50420	53.073	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90146	45.768	ug/l	97
10) Methyl Iodide	4.30	142	126159	51.700	ug/l	99
11) Tert butyl alcohol	5.24	59	25889	262.932	ug/l	98
12) 1,1-Dichloroethene	4.06	96	90346	48.467	ug/l	95
13) Acrolein	3.93	56	25743	236.236	ug/l	99
14) Allyl chloride	4.71	41	111819	51.251	ug/l	96
15) Acrylonitrile	5.43	53	87991	250.744	ug/l	98
16) Acetone	4.17	43	73480	225.969	ug/l	97
17) Carbon Disulfide	4.40	76	283943	49.568	ug/l	98
18) Methyl Acetate	4.73	43	45119	52.163	ug/l #	72
19) Methyl tert-butyl Ether	5.49	73	197654	52.254	ug/l	97
20) Methylene Chloride	4.97	84	112873	54.723	ug/l	87
21) trans-1,2-Dichloroethene	5.46	96	106007	50.660	ug/l	94
22) Diisopropyl ether	6.37	45	254377	52.645	ug/l	100
23) Vinyl Acetate	6.31	43	705553	266.386	ug/l	99
24) 1,1-Dichloroethane	6.27	63	169587	51.974	ug/l	99
25) 2-Butanone	7.22	43	103680	230.632	ug/l	93
26) 2,2-Dichloropropane	7.21	77	145449	46.966	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123835	52.888	ug/l	96
28) Bromochloromethane	7.55	49	70338	55.064	ug/l	94
29) Tetrahydrofuran	7.57	42	68257	260.162	ug/l	98
30) Chloroform	7.71	83	196154	52.536	ug/l	98
31) Cyclohexane	7.99	56	136710	43.006	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	177049	50.941	ug/l	97
36) 1,1-Dichloropropene	8.11	75	139675	44.248	ug/l	98
37) Ethyl Acetate	7.30	43	44678	45.983	ug/l #	87
38) Carbon Tetrachloride	8.10	117	161476	46.885	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169497	43.742	ug/l	94
40) Benzene	8.36	78	424137	49.272	ug/l	94
41) Methacrylonitrile	7.57	41	68250	121.720	ug/l #	17
42) 1,2-Dichloroethane	8.43	62	116884	51.404	ug/l	97
43) Isopropyl Acetate	8.46	43	95058	48.410	ug/l	97
44) Trichloroethene	9.12	130	129217	49.527	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95838	48.041	ug/l	98
46) Dibromomethane	9.48	93	60672	50.498	ug/l	97
47) Bromodichloromethane	9.67	83	154003	50.809	ug/l	98
48) Methyl methacrylate	9.46	41	43882	48.326	ug/l	94
49) 1,4-Dioxane	9.47	88	15058	1094.897	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	261160	244.308	ug/l	99
52) Toluene	10.41	92	300884	49.877	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	145418	51.396	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	162058	48.684	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	85045	49.925	ug/l	97
56) Ethyl methacrylate	10.67	69	94327	45.827	ug/l	98
57) 1,3-Dichloropropane	10.95	76	137551	48.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	182663	244.763	ug/l	99
59) 2-Hexanone	10.99	43	184082	220.771	ug/l	99
60) Dibromochloromethane	11.14	129	114347	49.457	ug/l	98
61) 1,2-Dibromoethane	11.25	107	81725	47.969	ug/l	91
64) Tetrachloroethene	10.88	164	119398	48.891	ug/l	99
65) Chlorobenzene	11.67	112	337258	48.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	129121	49.129	ug/l	99
67) Ethyl Benzene	11.75	91	601854	48.175	ug/l	100
68) m/p-Xylenes	11.86	106	487311	96.976	ug/l	99
69) o-Xylene	12.18	106	229530	50.050	ug/l	100
70) Styrene	12.20	104	396397	50.117	ug/l	98
71) Bromoform	12.36	173	67317	47.959	ug/l #	96
73) Isopropylbenzene	12.48	105	611475	46.736	ug/l	99
74) N-amyl acetate	12.29	43	101722	46.799	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	93285	45.234	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	118743	93.858	ug/l #	100
77) Bromobenzene	12.76	156	152597	48.306	ug/l	98
78) n-propylbenzene	12.83	91	715105	46.639	ug/l	99
79) 2-Chlorotoluene	12.91	91	394314	47.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	525910	48.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	30878	49.845	ug/l	99
82) 4-Chlorotoluene	13.01	91	423607	48.234	ug/l	98
83) tert-Butylbenzene	13.23	119	470024	47.791	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	537093	48.827	ug/l	98
85) sec-Butylbenzene	13.41	105	634032	46.944	ug/l	100
86) p-Isopropyltoluene	13.52	119	621218	48.953	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	306666	48.443	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	297516	47.675	ug/l	98
89) n-Butylbenzene	13.85	91	541065	46.226	ug/l	97
90) Hexachloroethane	14.11	117	111179	46.795	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	270400	49.632	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14942	49.611	ug/l	86

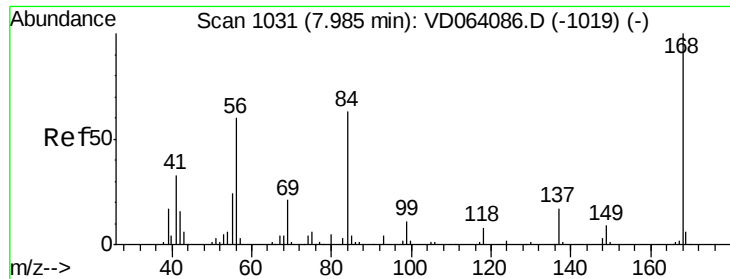
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	187467	47.870	ug/l	97
94) Hexachlorobutadiene	15.27	225	105703	46.182	ug/l	98
95) Naphthalene	15.41	128	317090	49.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	160068	47.188	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

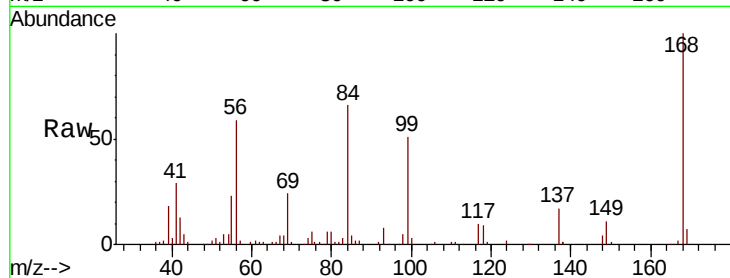
ClientSampled :

Tot Ion:168 Resp: 214891

Ion Ratio Lower Upper

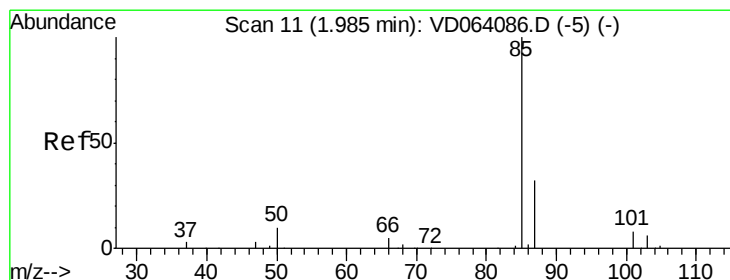
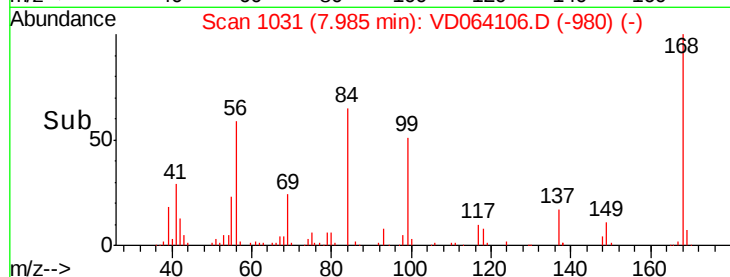
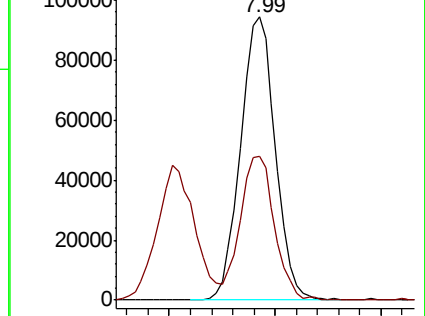
168 100

99 50.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.680 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064106.D

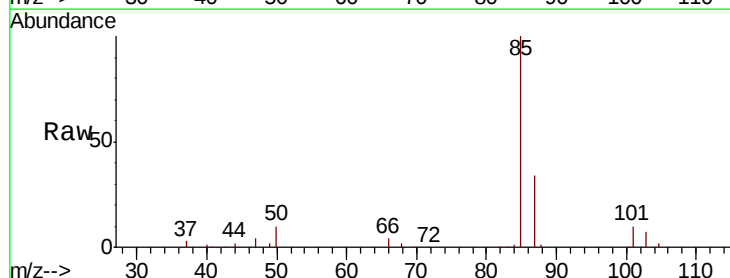
Acq: 29 Oct 2019 23:24

Tgt Ion: 85 Resp: 95846

Ion Ratio Lower Upper

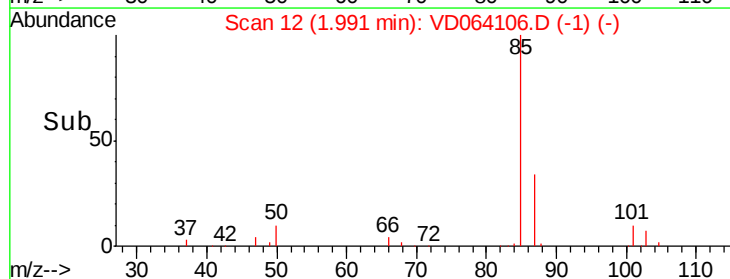
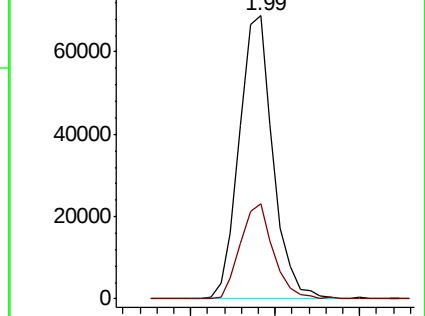
85 100

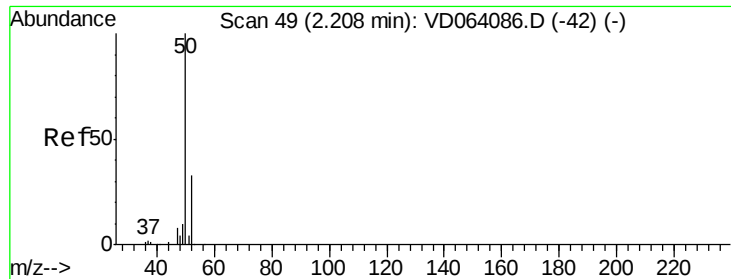
87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.051 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

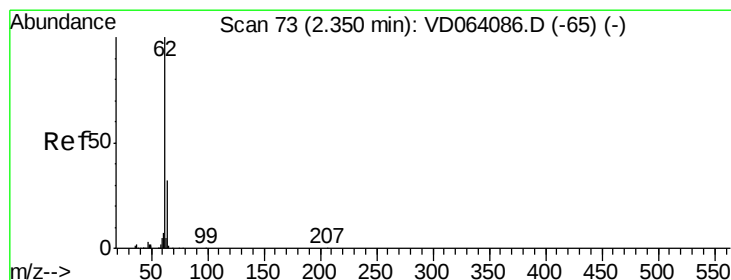
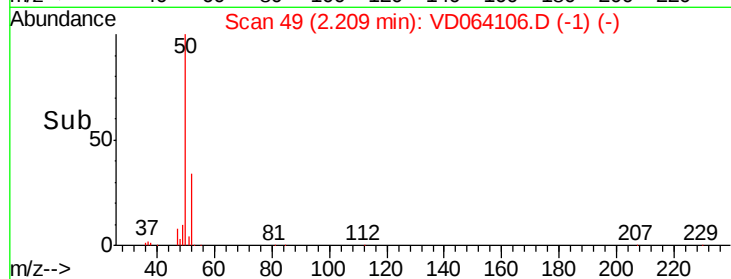
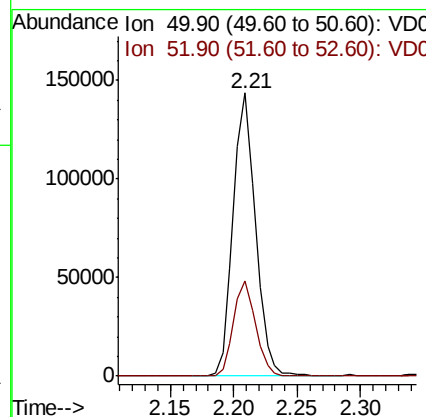
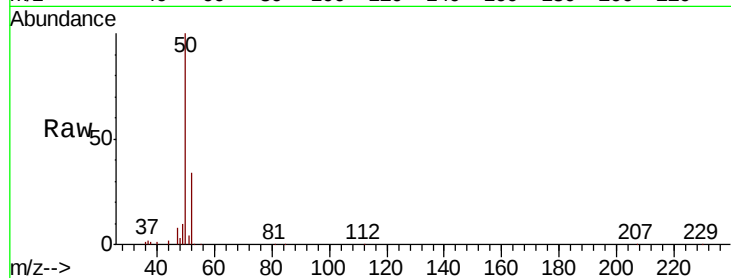
ClientSampleId :

Tot Ion: 50 Resp: 175922

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



#4

Vinyl Chloride

Concen: 46.946 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064106.D

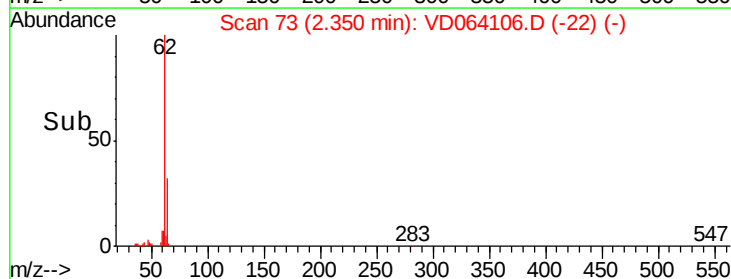
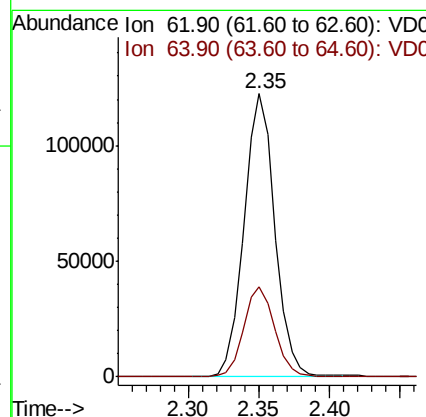
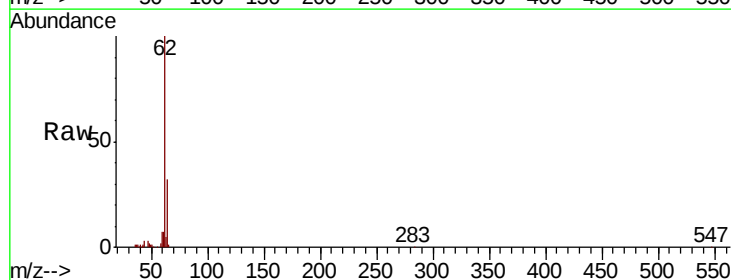
Acq: 29 Oct 2019 23:24

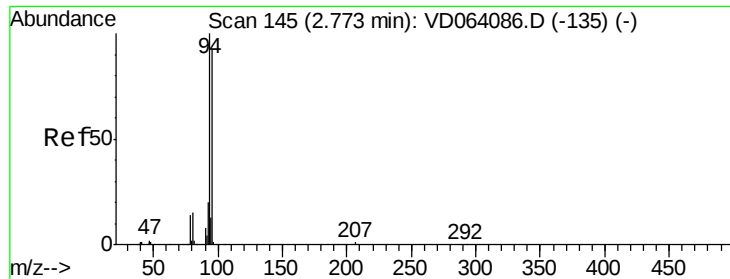
Tgt Ion: 62 Resp: 186386

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 52.487 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

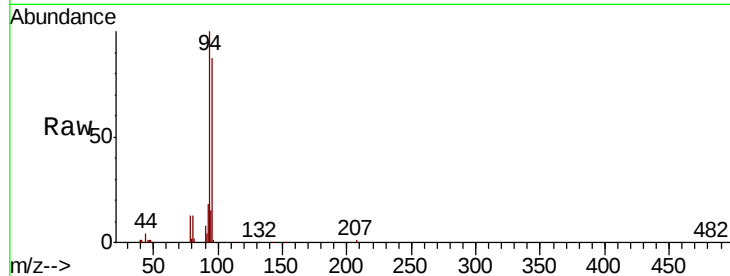
ClientSampled :

Tot Ion: 94 Resp: 135805

Ion Ratio Lower Upper

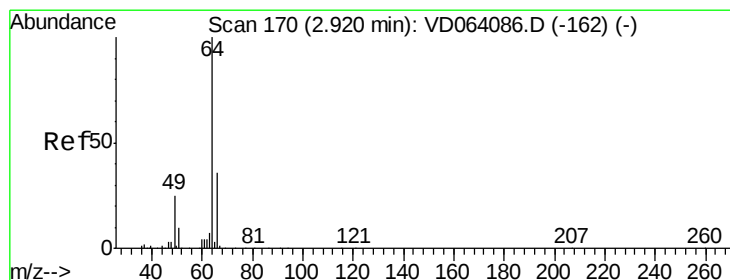
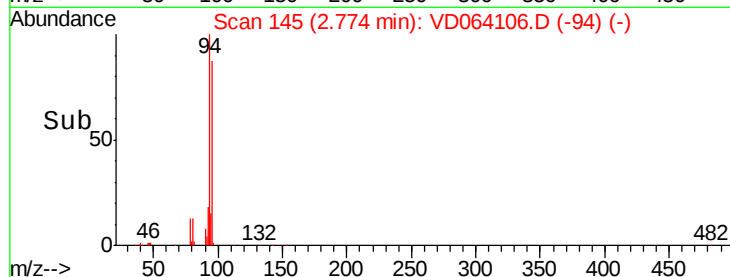
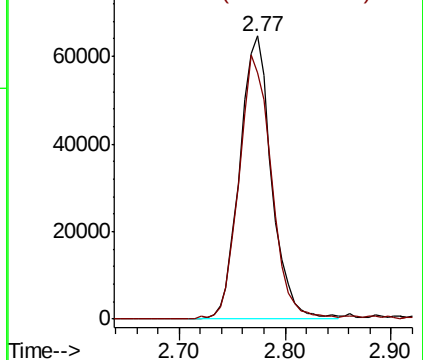
94 100

96 86.6 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.008 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064106.D

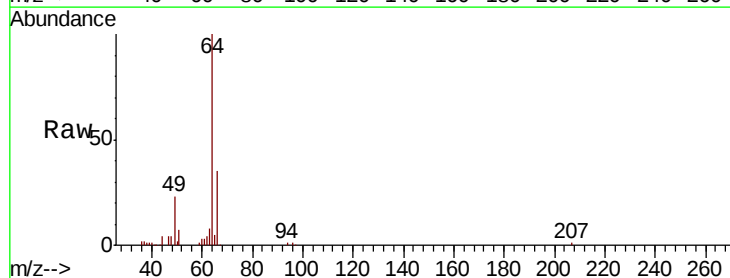
Acq: 29 Oct 2019 23:24

Tgt Ion: 64 Resp: 125783

Ion Ratio Lower Upper

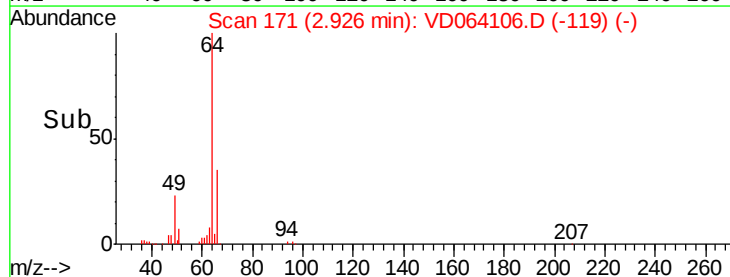
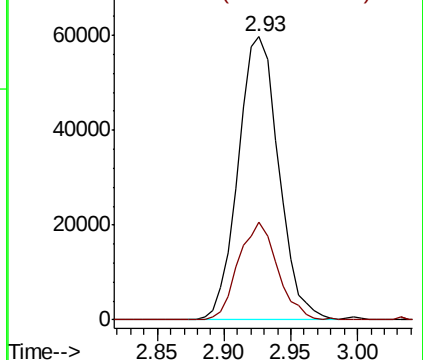
64 100

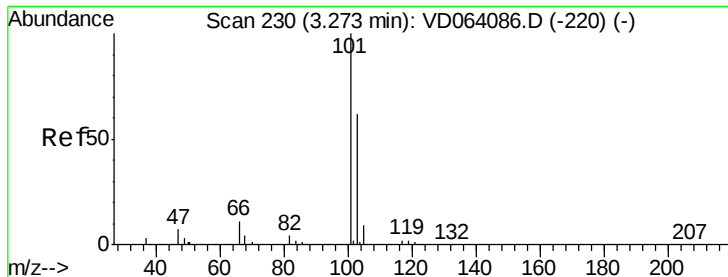
66 34.5 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



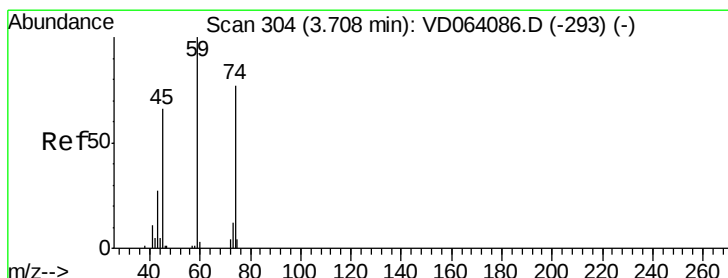
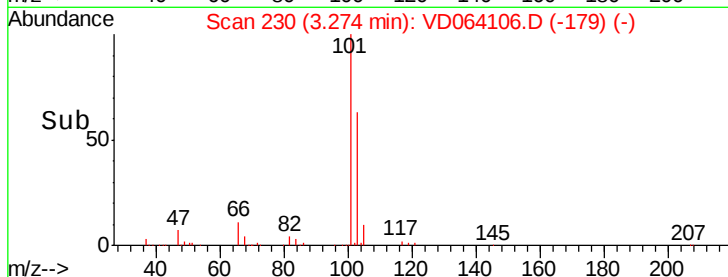
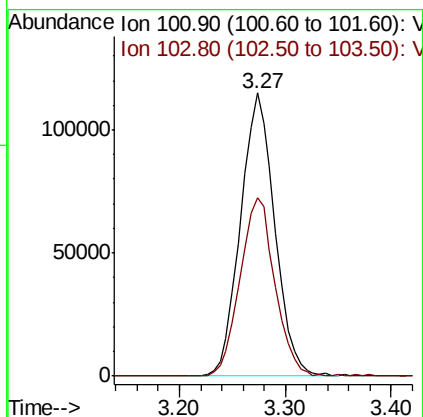
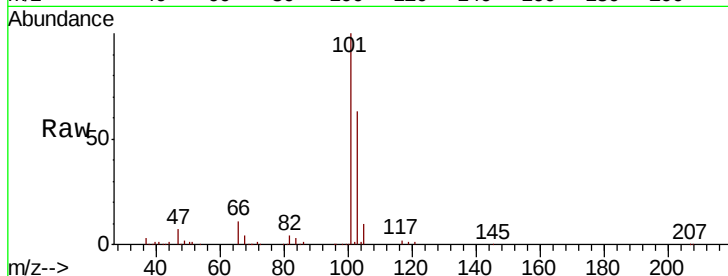


#7

Trichlorofluoromethane
Concen: 47.286 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

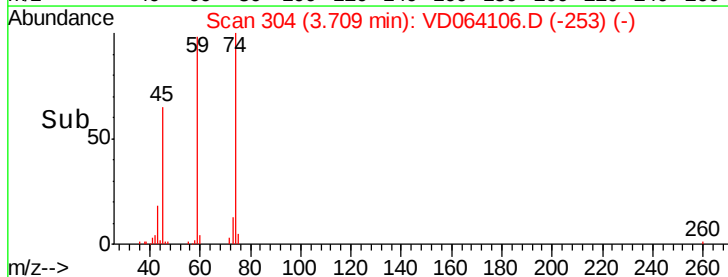
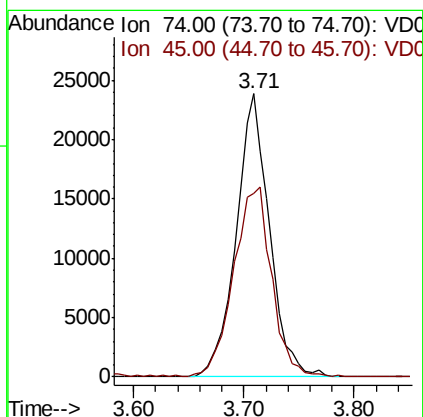
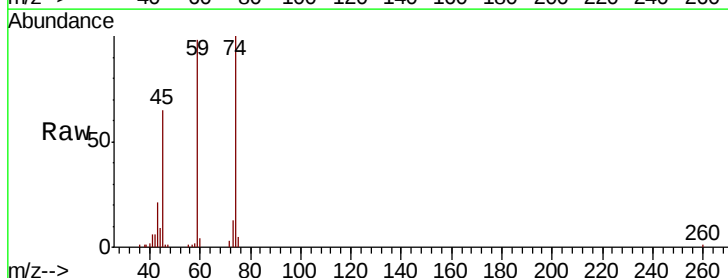
Tot Ion:101 Resp: 258441
Ion Ratio Lower Upper
101 100
103 63.2 49.6 74.4

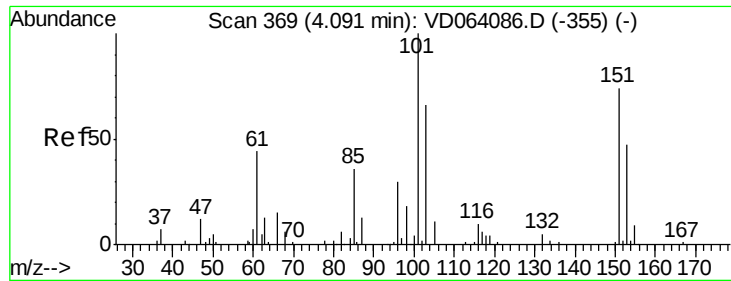


#8

Diethyl Ether
Concen: 53.073 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 74 Resp: 50420
Ion Ratio Lower Upper
74 100
45 76.8 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.768 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

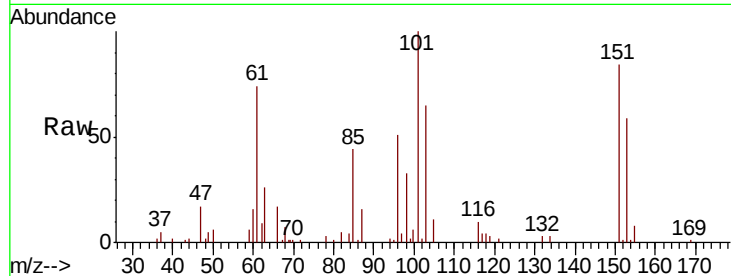
Tot Ion:101 Resp: 90146

Ion Ratio Lower Upper

101 100

85 47.6 35.3 52.9

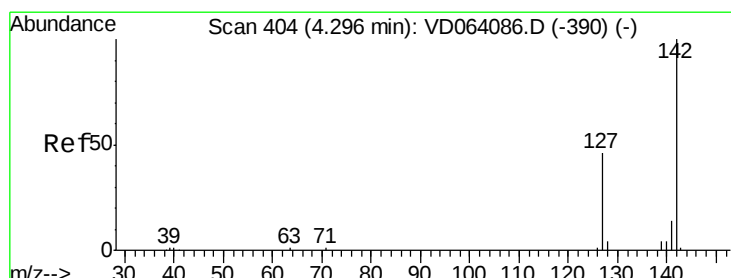
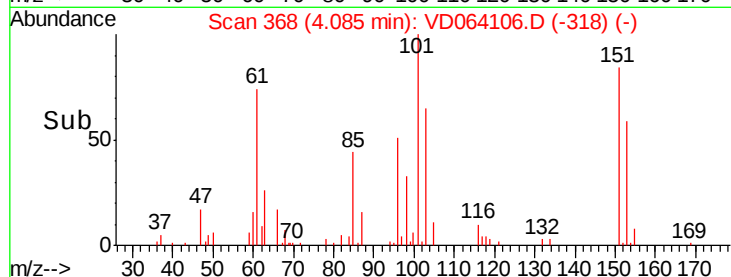
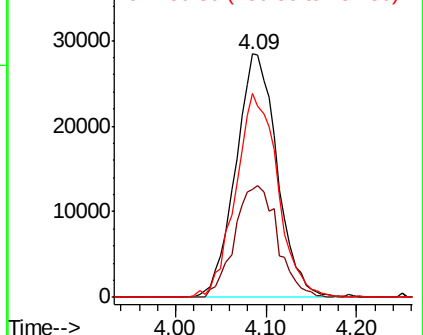
151 85.3 67.0 100.6



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: 51.700 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

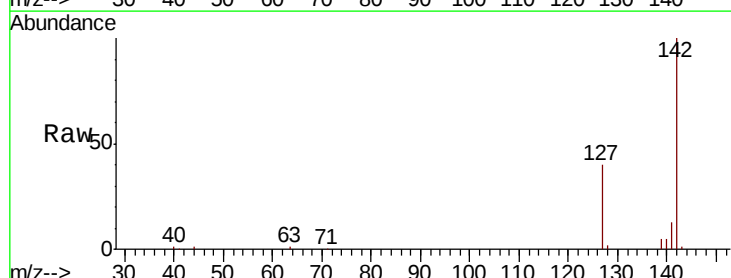
Tgt Ion:142 Resp: 126159

Ion Ratio Lower Upper

142 100

127 44.6 35.1 52.7

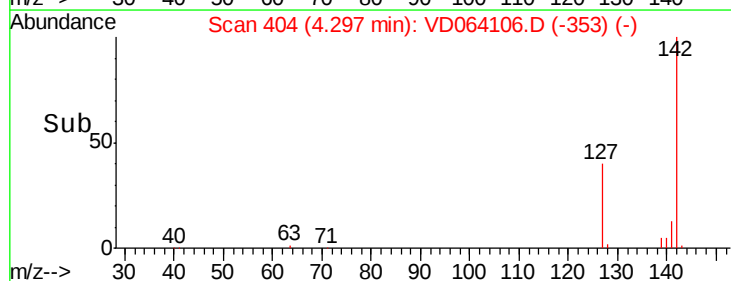
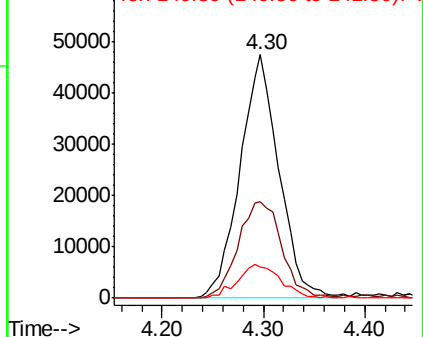
141 15.2 11.6 17.4

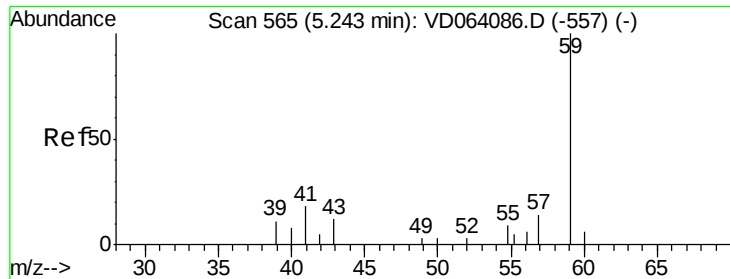


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



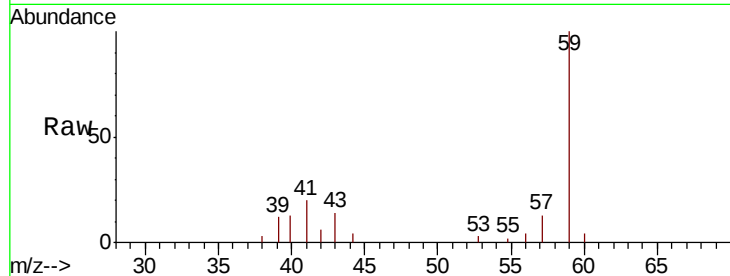


#11

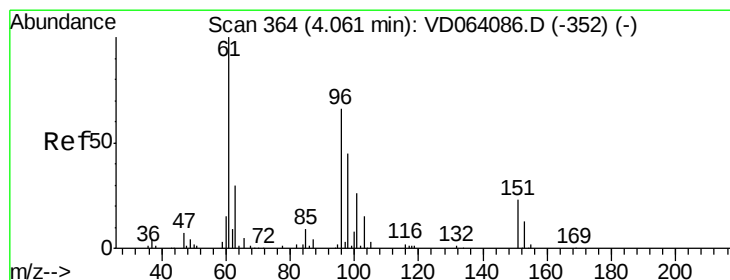
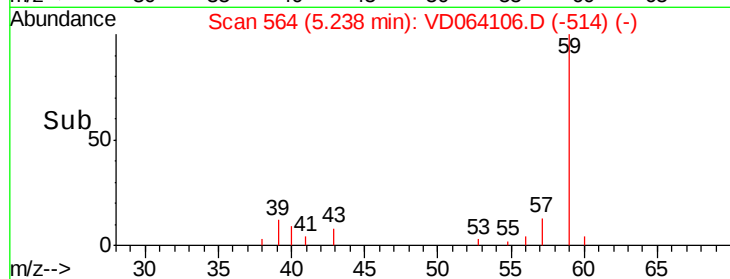
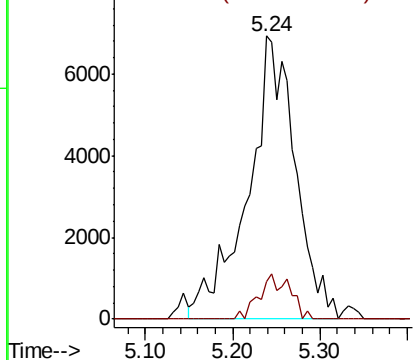
Tert butyl alcohol
Concen: 262.932 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 25889
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1



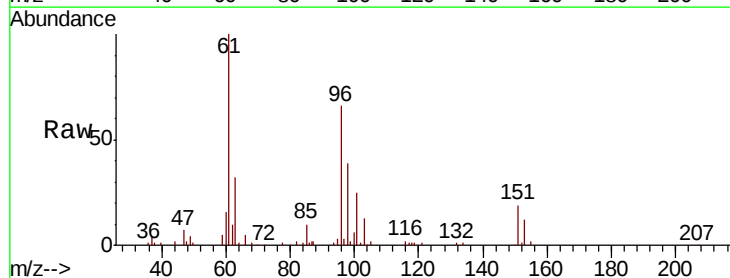
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



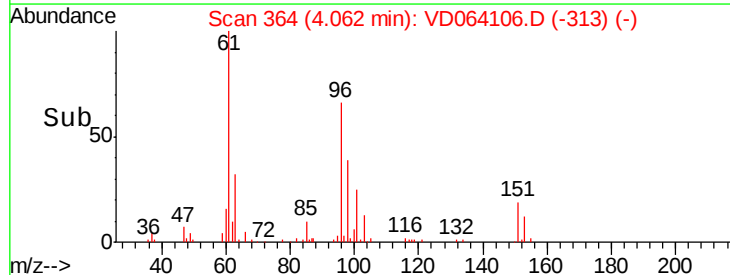
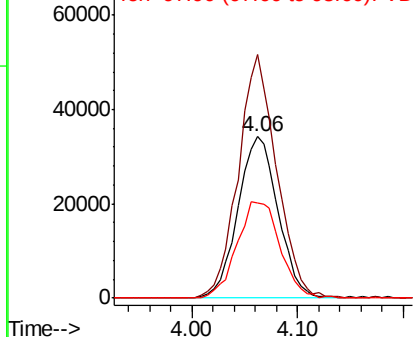
#12

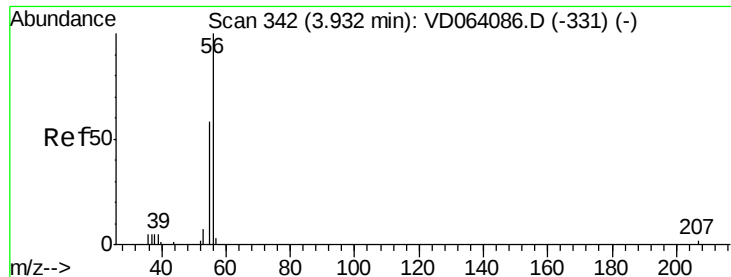
1,1-Dichloroethene
Concen: 48.467 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 96 Resp: 90346
Ion Ratio Lower Upper
96 100
61 150.2 121.8 182.6
98 59.2 55.4 83.0



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





#13

Acrolein

Concen: 236.236 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

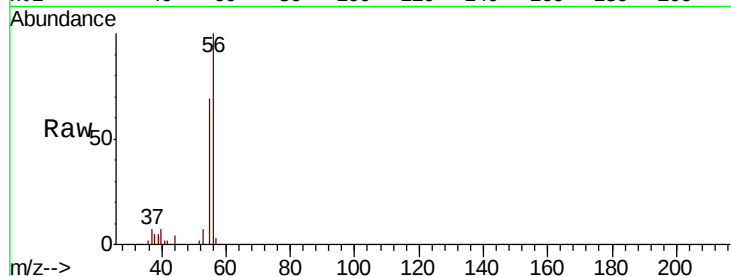
ClientSampleId :

Tot Ion: 56 Resp: 25743

Ion Ratio Lower Upper

56 100

55 67.9 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

12000

10000

8000

6000

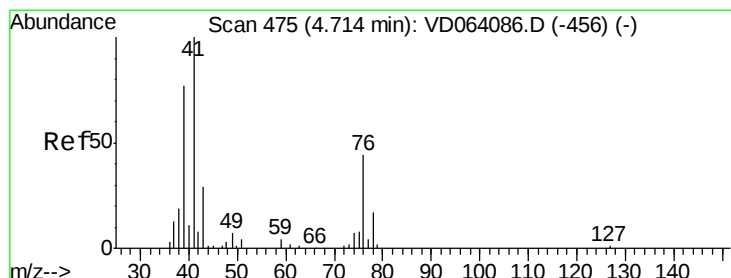
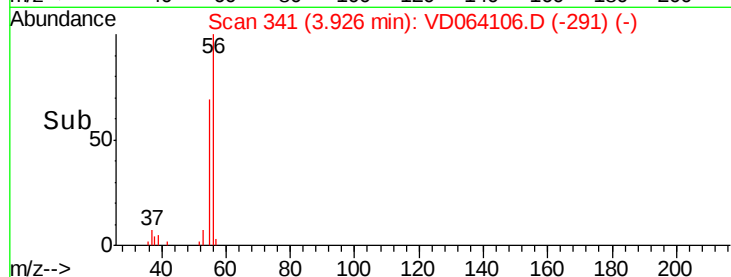
4000

2000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 51.251 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

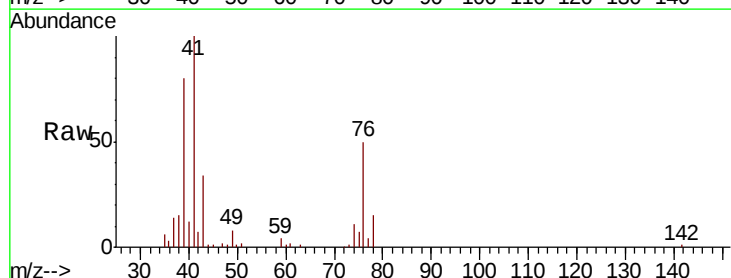
Tgt Ion: 41 Resp: 111819

Ion Ratio Lower Upper

41 100

39 80.1 61.5 92.3

76 47.6 36.2 54.4



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

30000

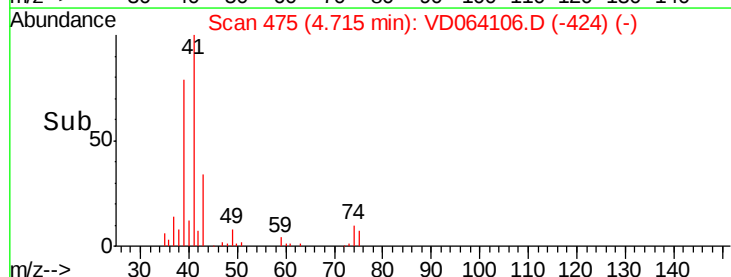
20000

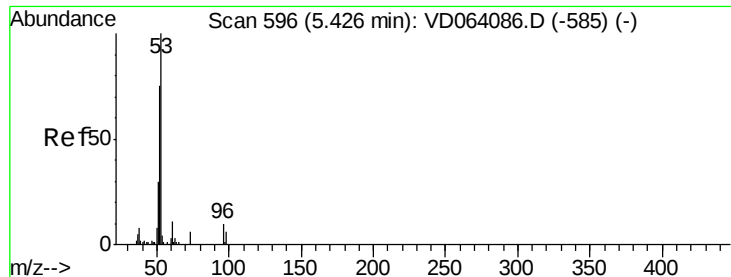
10000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 250.744 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

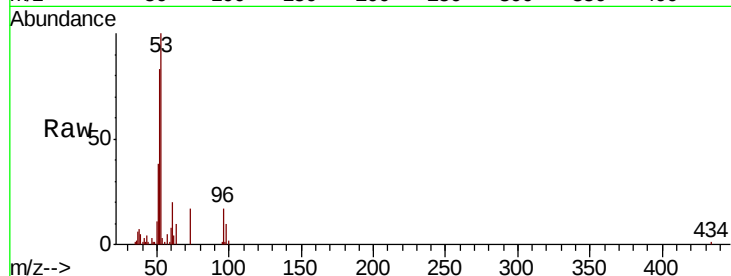
Tot Ion: 53 Resp: 87991

Ion Ratio Lower Upper

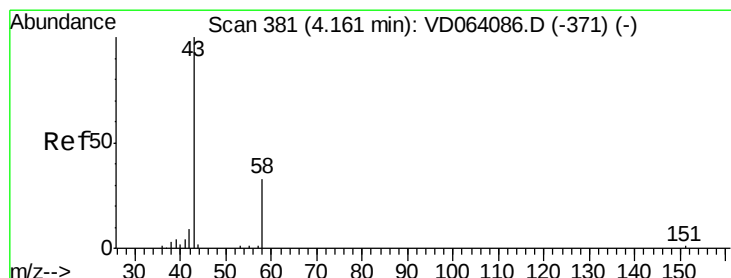
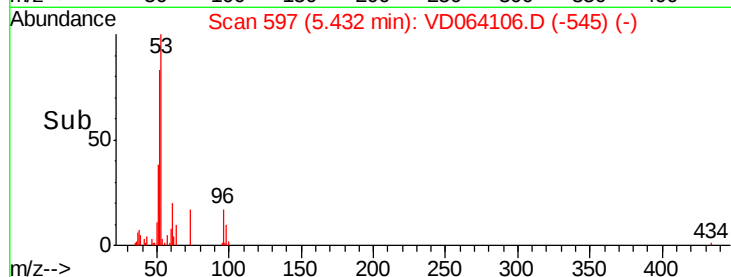
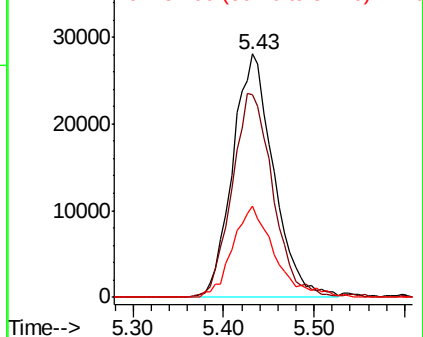
53 100

52 83.7 66.2 99.4

51 38.2 29.0 43.6



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: 225.969 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064106.D

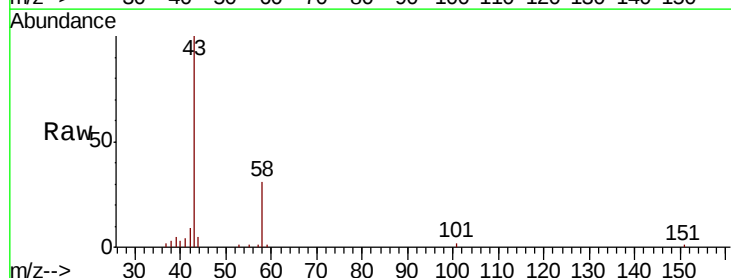
Acq: 29 Oct 2019 23:24

Tgt Ion: 43 Resp: 73480

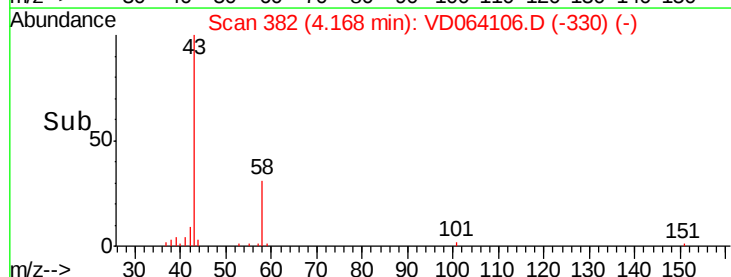
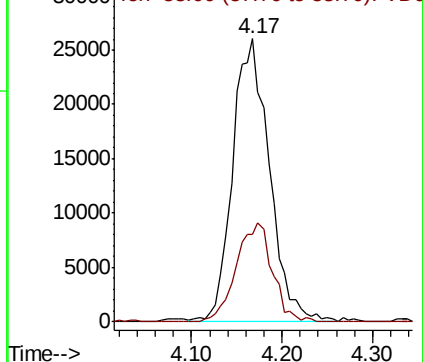
Ion Ratio Lower Upper

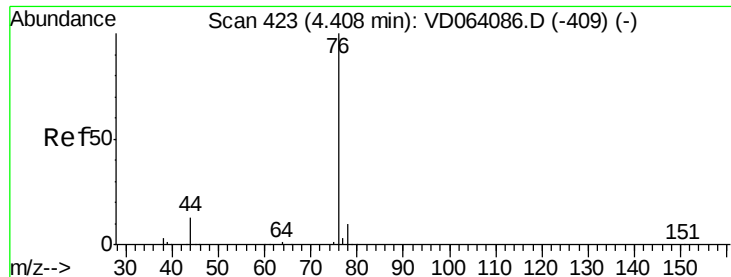
43 100

58 31.0 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

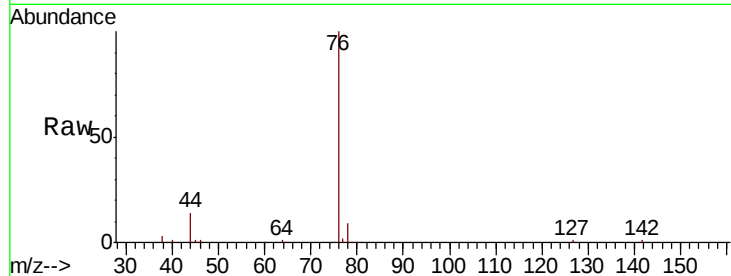




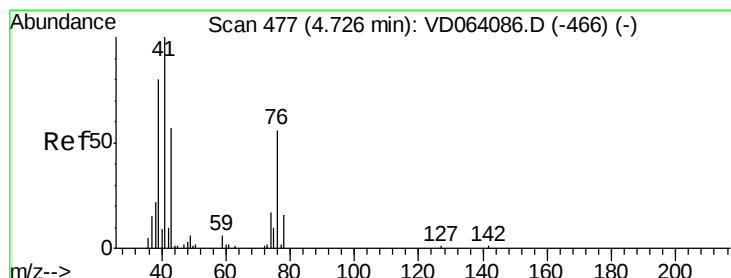
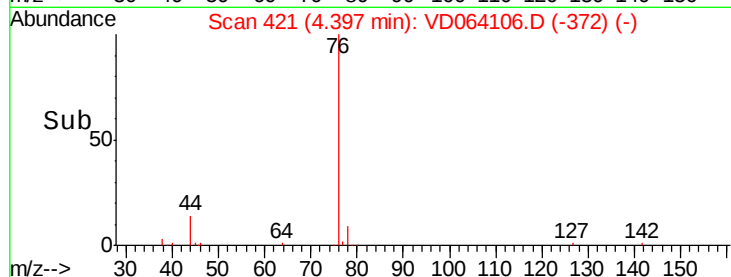
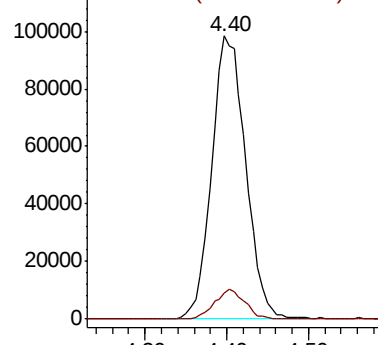
#17
Carbon Disulfide
Concen: 49.568 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 283943
Ion Ratio Lower Upper
76 100
78 9.3 8.1 12.1

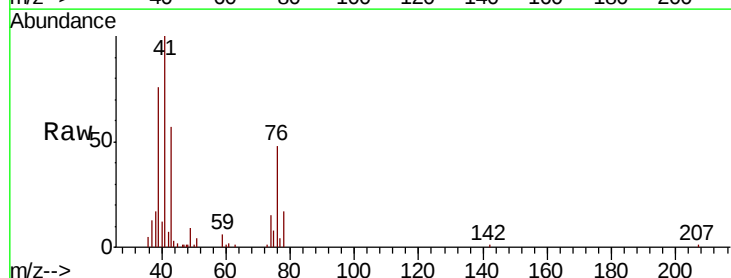


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

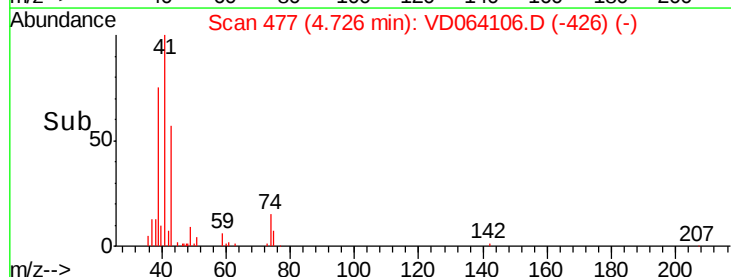
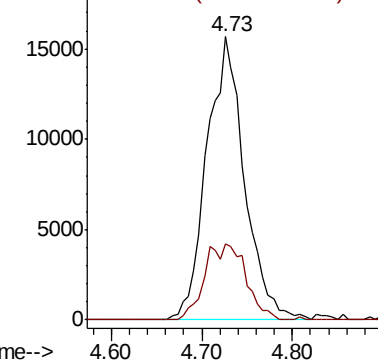


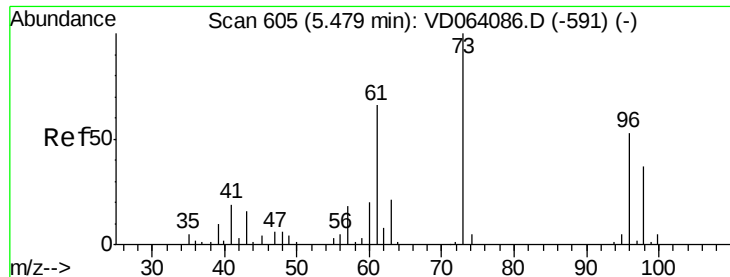
#18
Methyl Acetate
Concen: 52.163 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 43 Resp: 45119
Ion Ratio Lower Upper
43 100
74 13.1 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

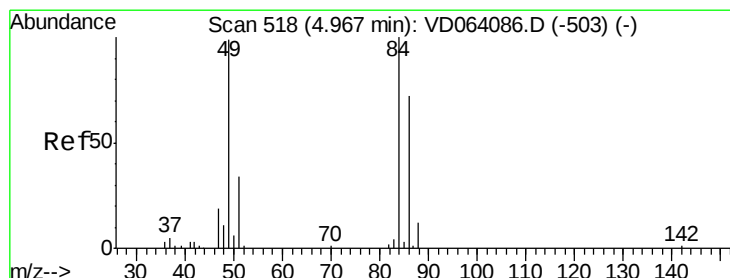
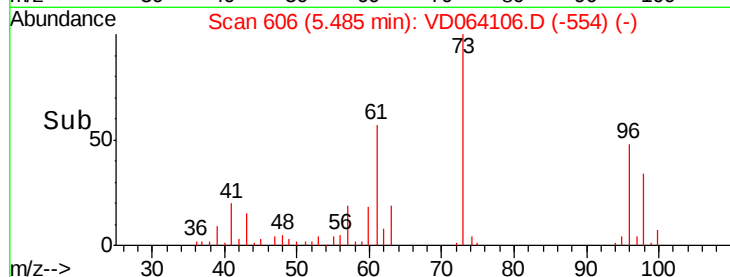
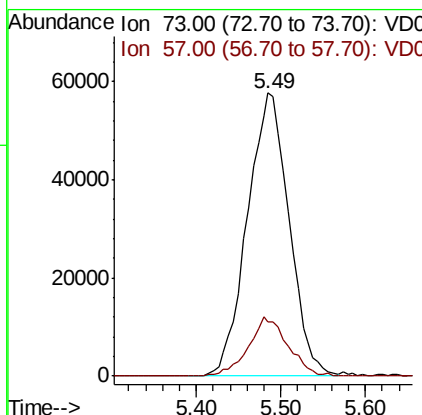
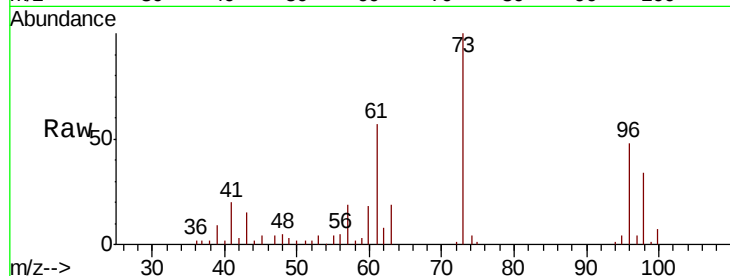




#19
Methvl tert-butvl Ether
Concen: 52.254 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

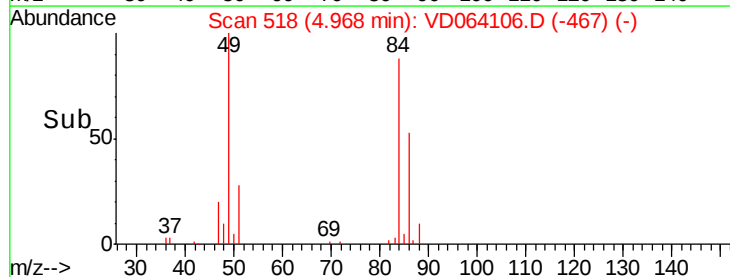
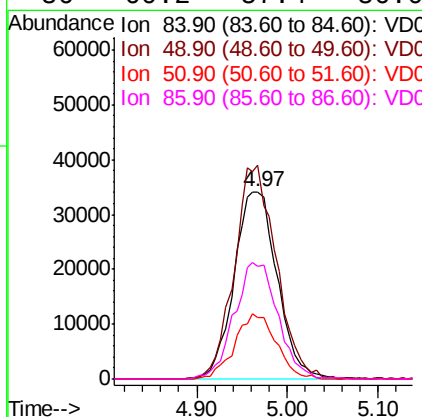
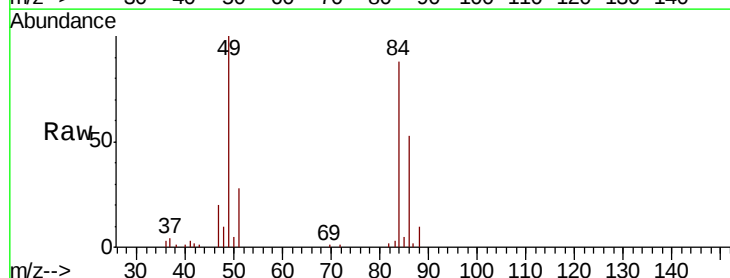
Instrument :
MSVOA_D
ClientSampleId :

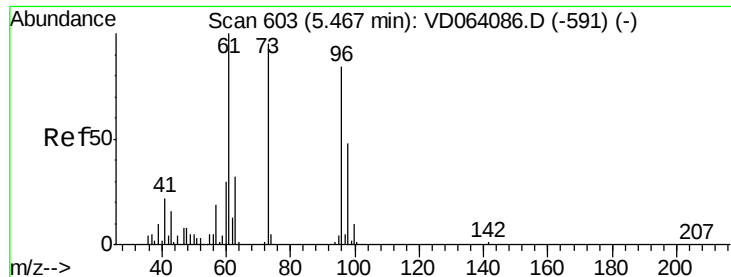
Tot Ion: 73 Resp: 197654
Ion Ratio Lower Upper
73 100
57 19.2 14.3 21.5



#20
Methylene Chloride
Concen: 54.723 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 84 Resp: 112873
Ion Ratio Lower Upper
84 100
49 113.9 79.4 119.0
51 32.4 27.4 41.2
86 60.2 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 50.660 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampled :

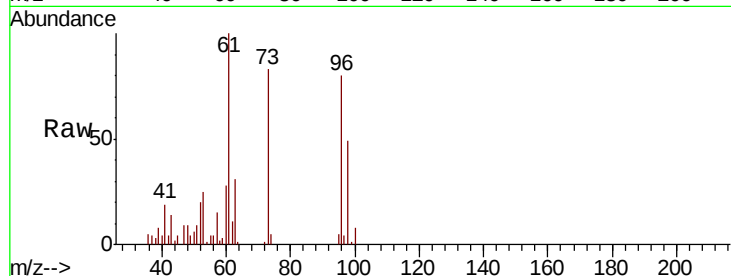
Tot Ion: 96 Resp: 106007

Ion Ratio Lower Upper

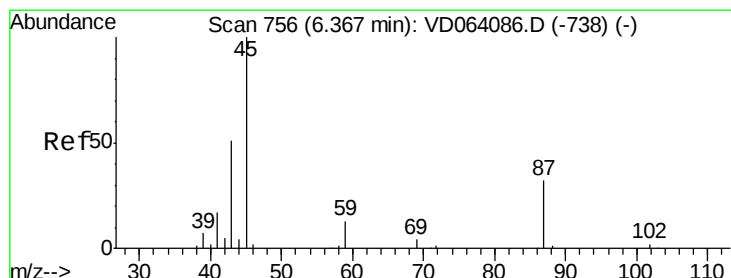
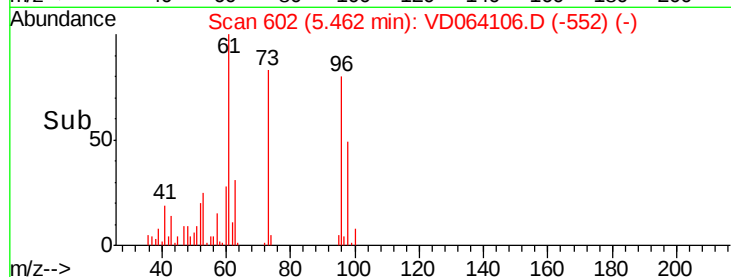
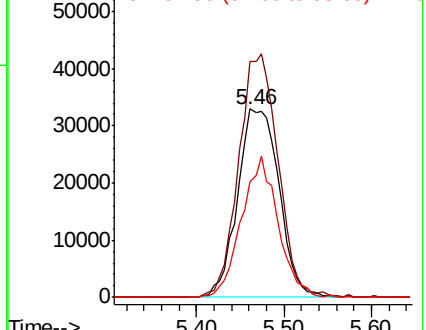
96 100

61 125.6 95.0 142.6

98 61.4 45.8 68.8



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: 52.645 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Tgt Ion: 45 Resp: 254377

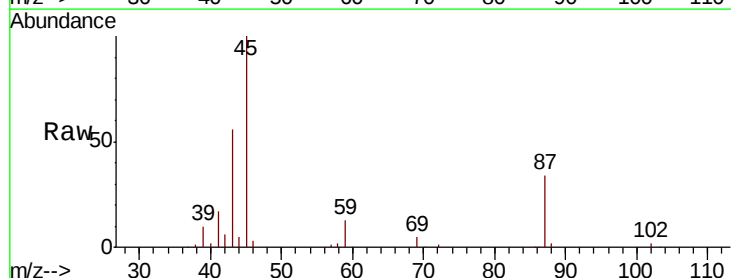
Ion Ratio Lower Upper

45 100

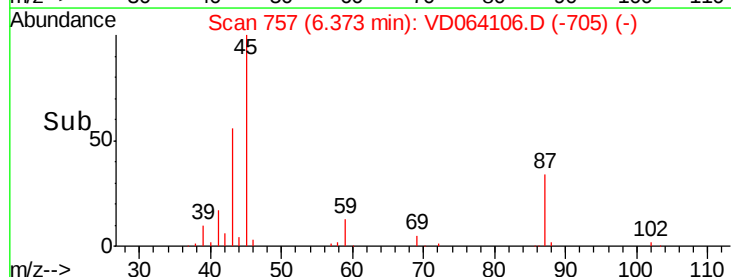
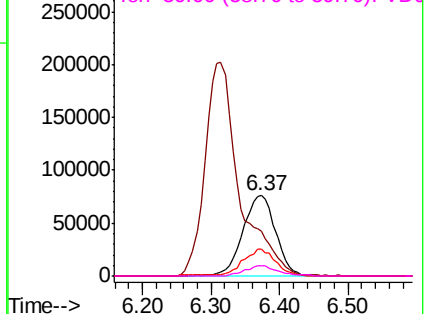
43 55.4 44.3 66.5

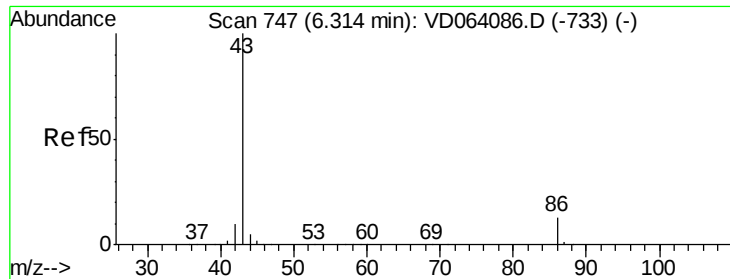
87 33.6 26.6 39.8

59 13.1 10.2 15.2



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: 266.386 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

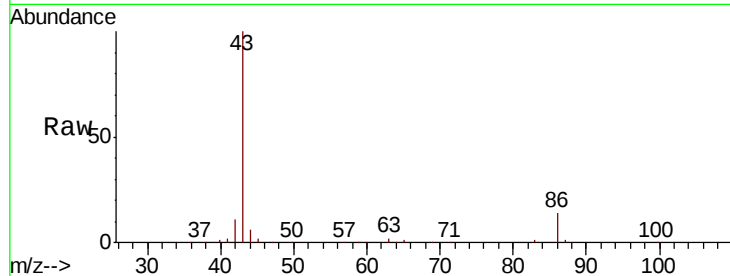
ClientSampleId :

Tot Ion: 43 Resp: 705553

Ion Ratio Lower Upper

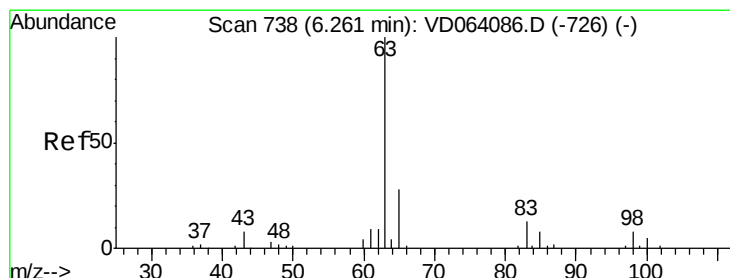
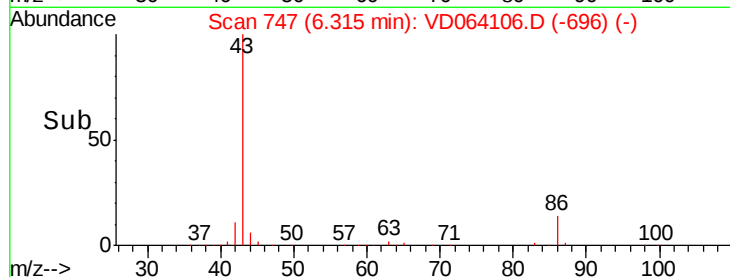
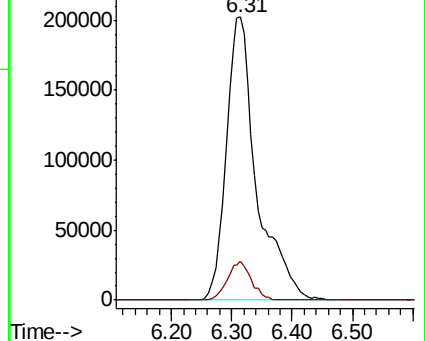
43 100

86 13.9 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.974 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

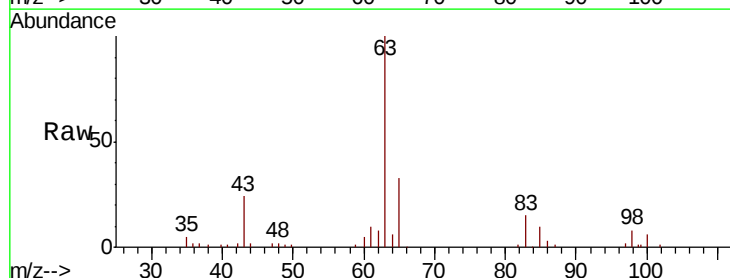
Tgt Ion: 63 Resp: 169587

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

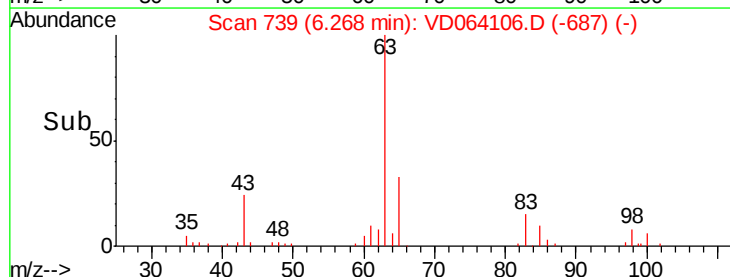
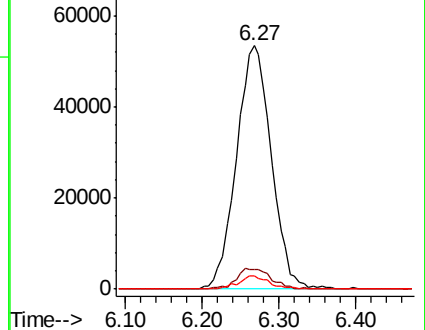
100 5.6 2.6 7.8

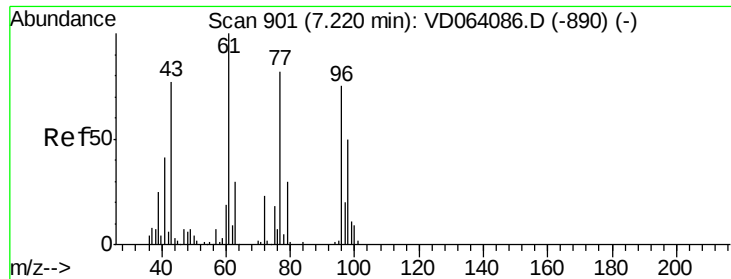


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

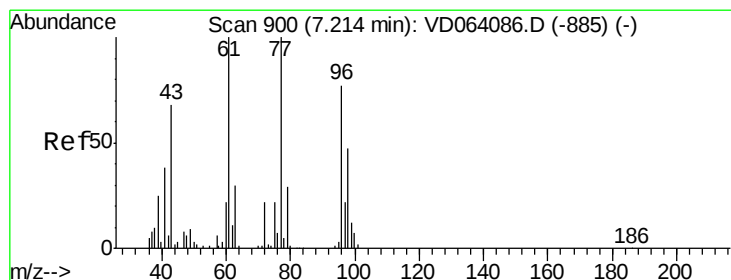
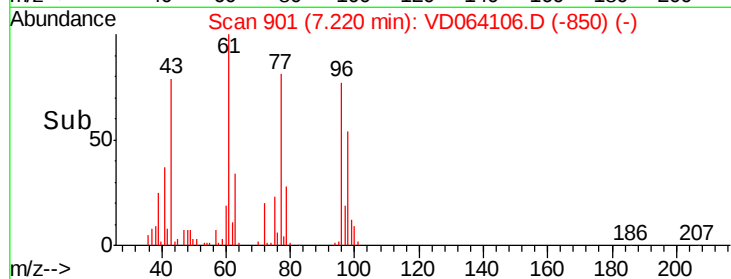
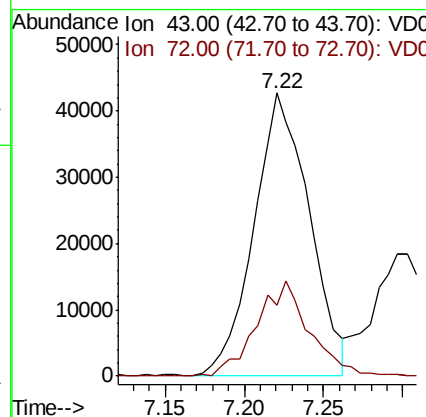
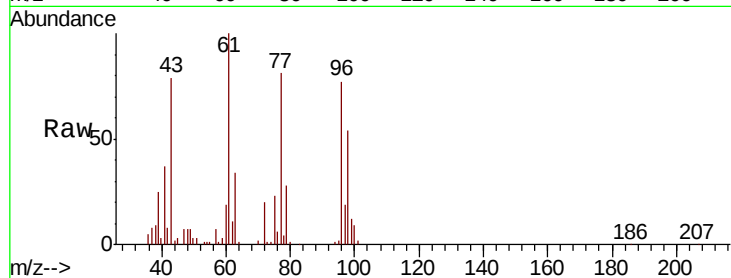




#25
2-Butanone
Concen: 230.632 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

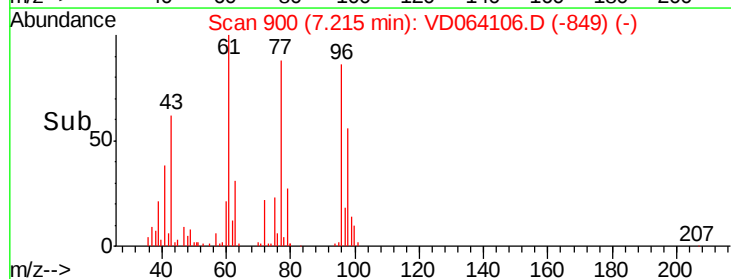
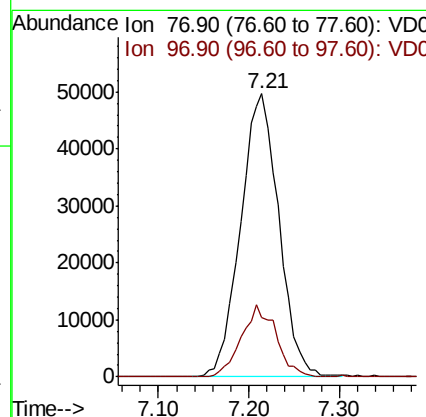
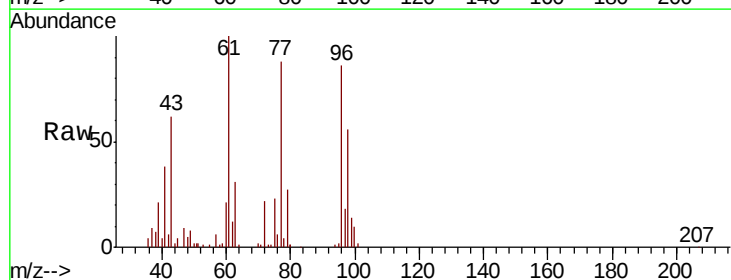
Instrument :
MSVOA_D
ClientSampled :

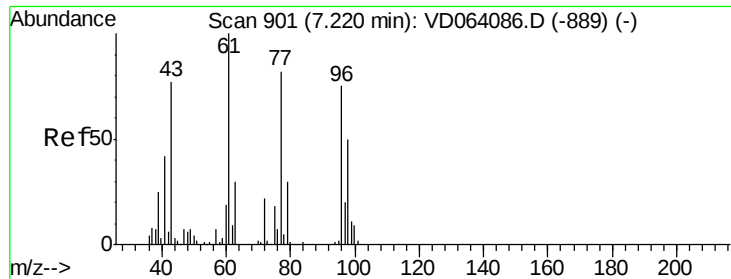
Tot Ion: 43 Resp: 103680
Ion Ratio Lower Upper
43 100
72 25.2 23.4 35.0



#26
2,2-Dichloropropane
Concen: 46.966 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 77 Resp: 145449
Ion Ratio Lower Upper
77 100
97 22.9 11.2 33.5



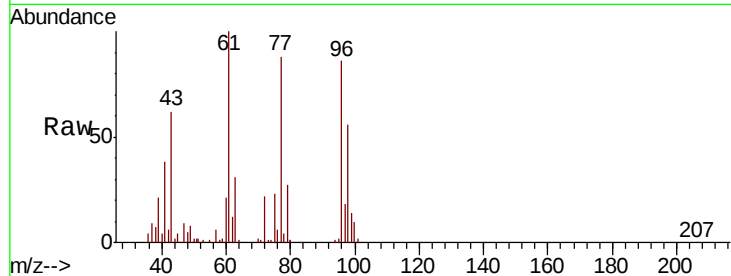


#27

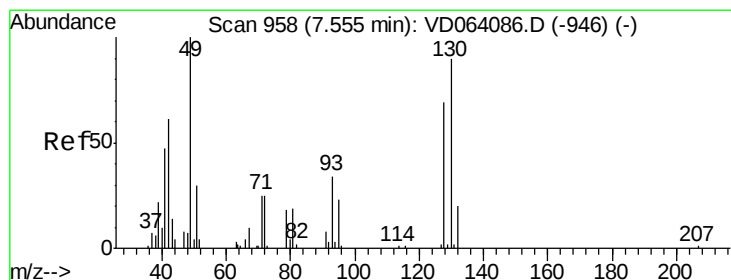
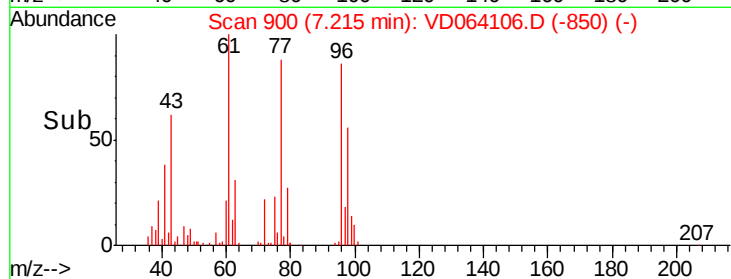
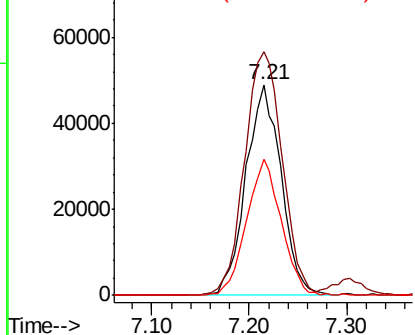
cis-1,2-Dichloroethene
Concen: 52.888 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	123835
Ion	Ratio	Lower	Upper
96	100		
61	123.5	0.0	258.0
98	63.4	0.0	130.8



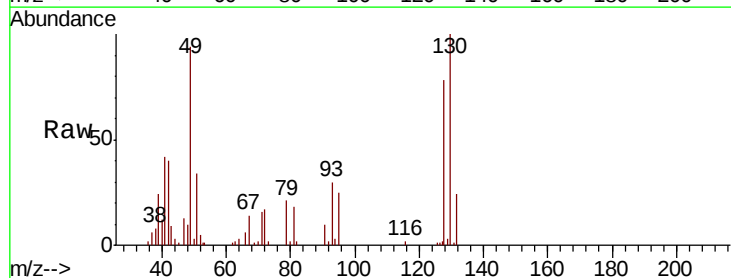
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



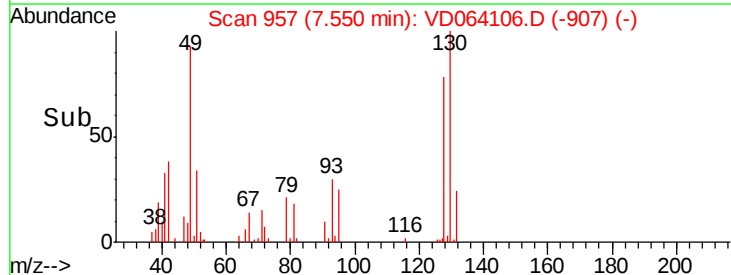
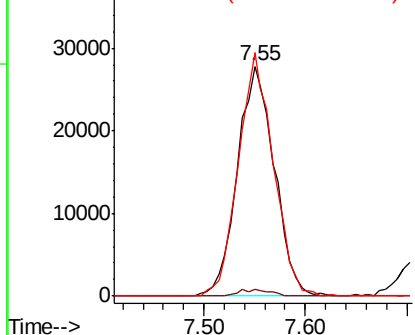
#28

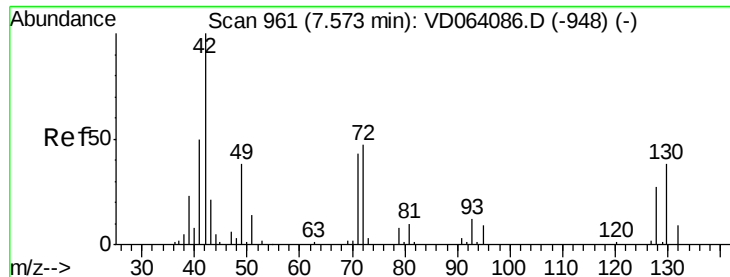
Bromochloromethane
Concen: 55.064 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion	49	Resp	70338
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	100.4	75.3	112.9



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

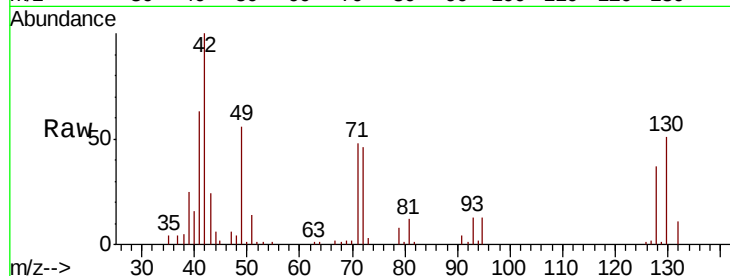




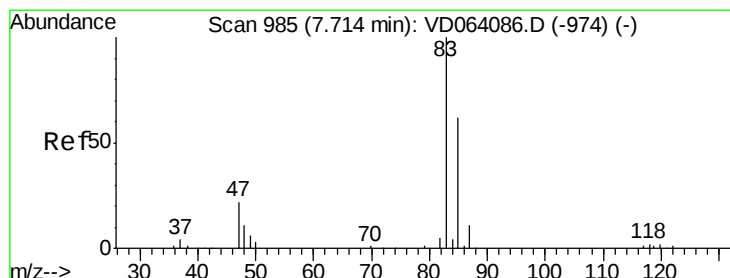
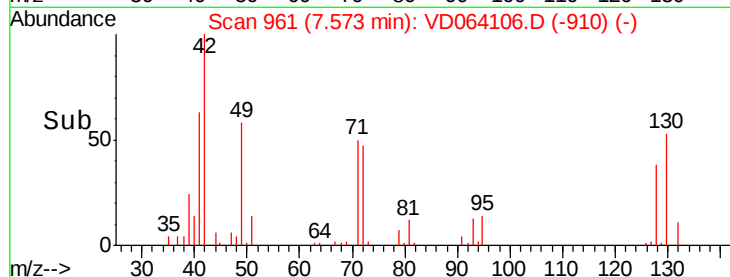
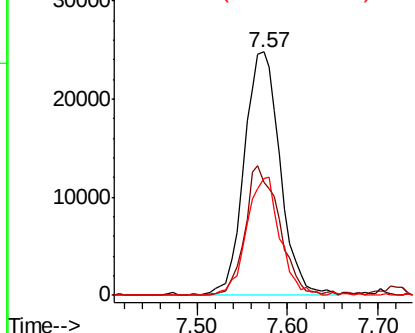
#29
Tetrahydrofuran
Concen: 260.162 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 68257
Ion Ratio Lower Upper
42 100
72 50.2 38.9 58.3
71 45.0 35.4 53.2

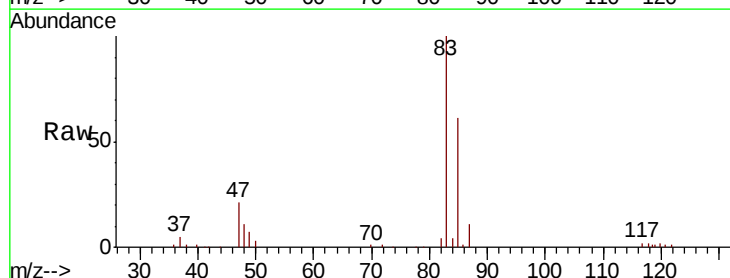


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

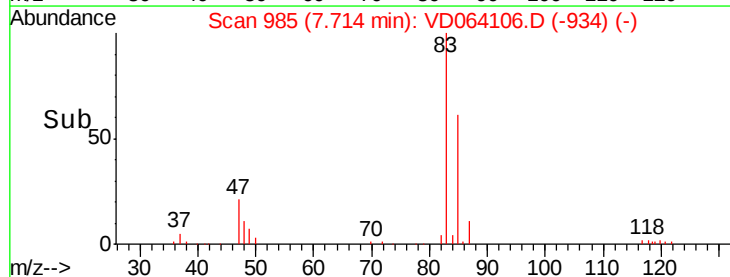
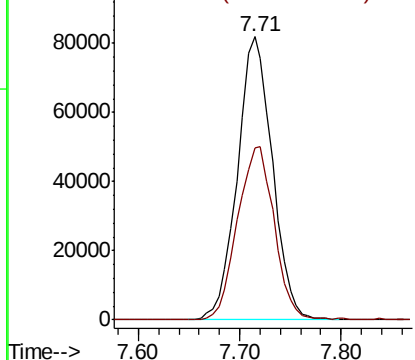


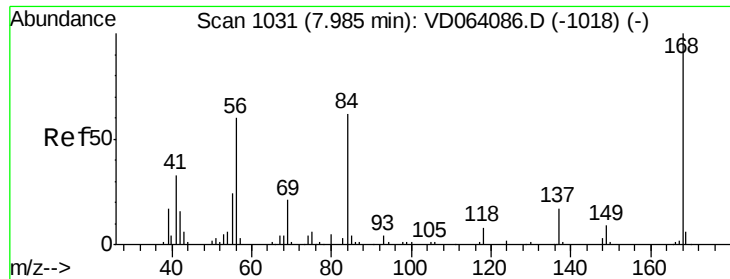
#30
Chloroform
Concen: 52.536 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 83 Resp: 196154
Ion Ratio Lower Upper
83 100
85 60.8 49.8 74.6



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

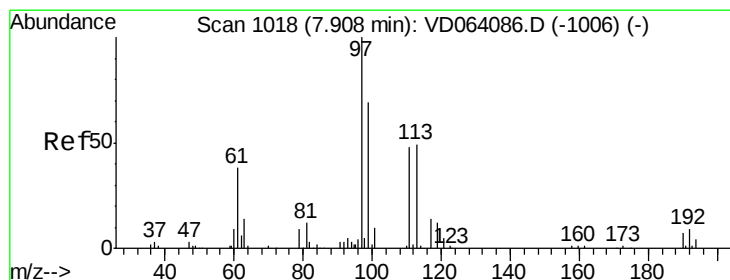
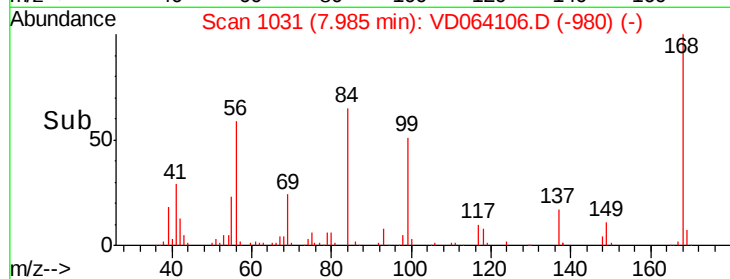
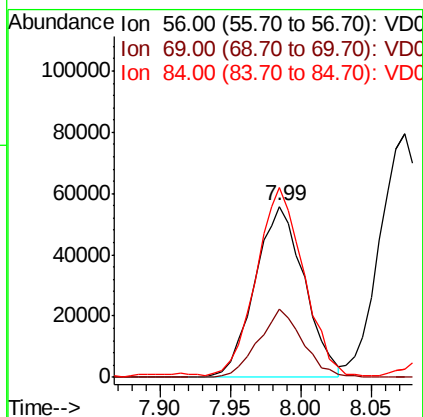
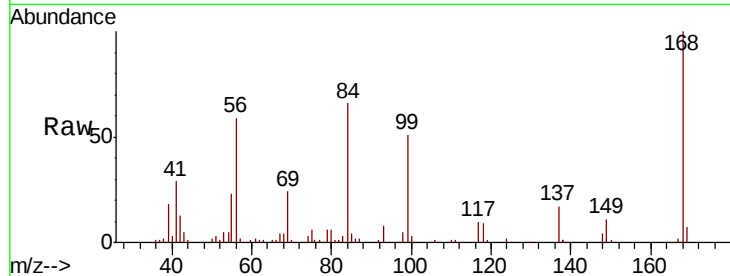




#31
Cyclohexane
Concen: 43.006 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

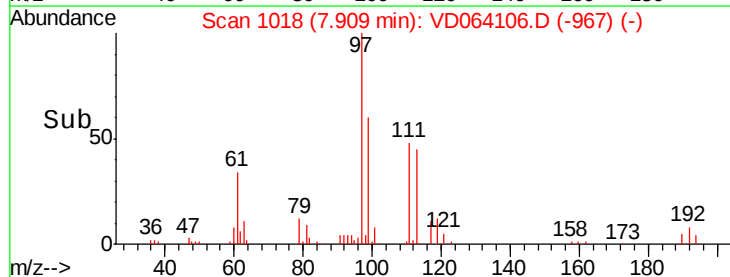
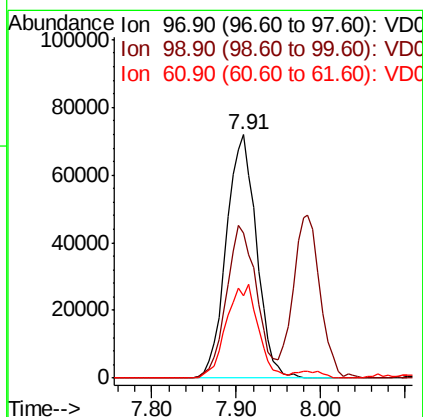
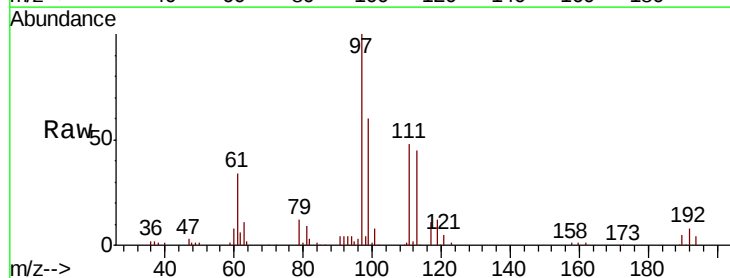
Instrument :
MSVOA_D
ClientSampleId :

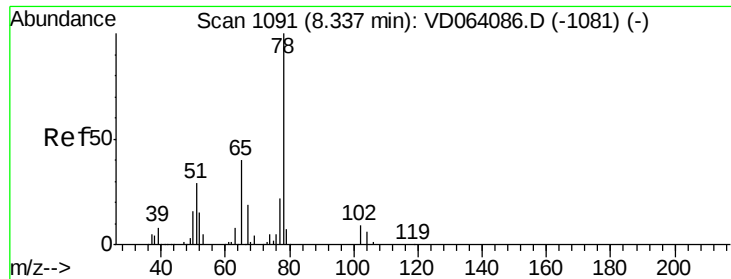
Tot Ion: 56 Resp: 136710
Ion Ratio Lower Upper
56 100
69 40.0 27.7 41.5
84 109.5 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 50.941 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 97 Resp: 177049
Ion Ratio Lower Upper
97 100
99 63.5 53.7 80.5
61 40.5 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 57.362 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

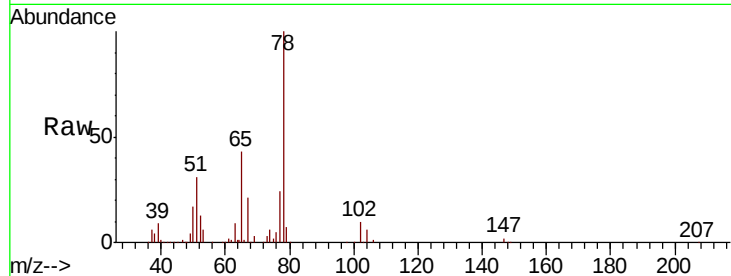
ClientSampleId :

Tot Ion: 65 Resp: 98034

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34

40000

30000

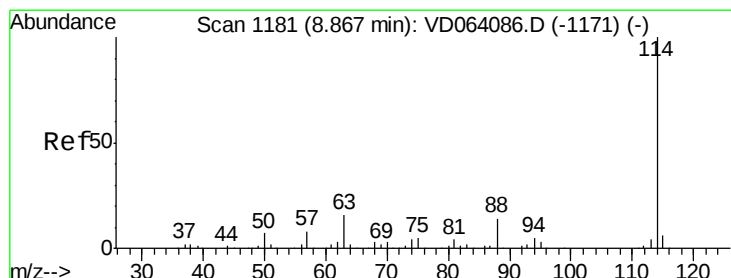
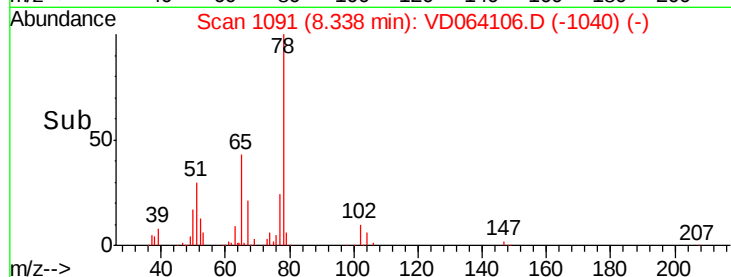
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

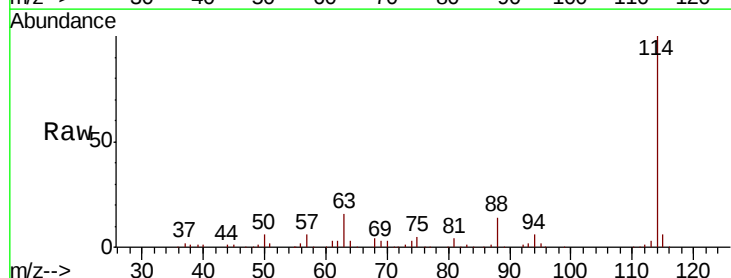
Tgt Ion:114 Resp: 336878

Ion Ratio Lower Upper

114 100

63 15.5 0.0 32.8

88 13.6 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

200000

150000

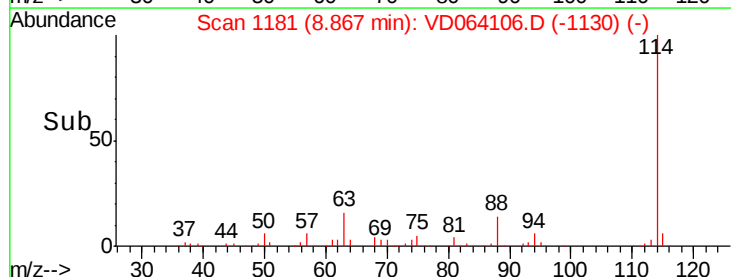
100000

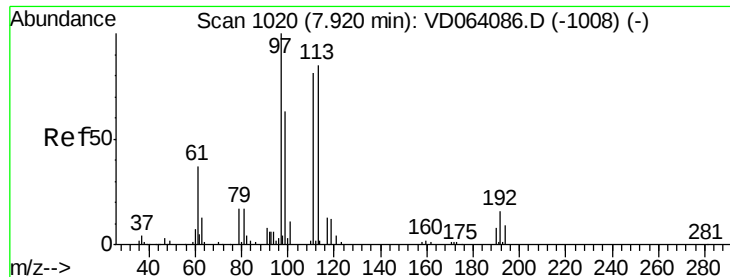
50000

0

8.80 8.90

Time-->

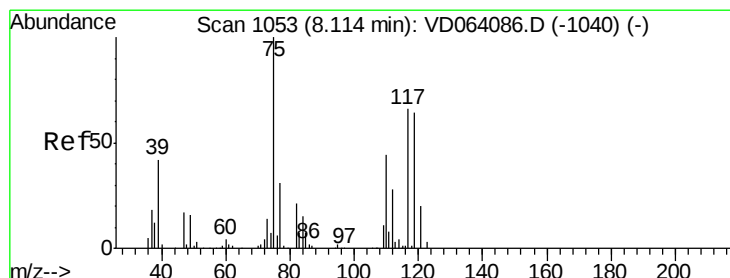
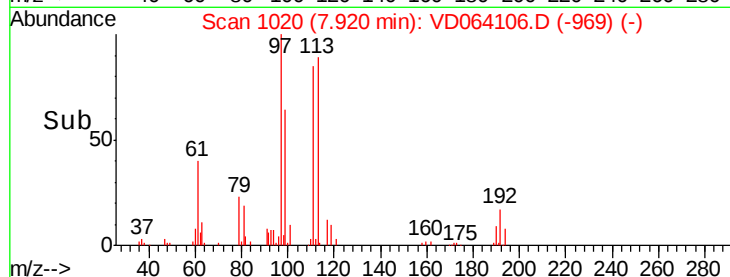
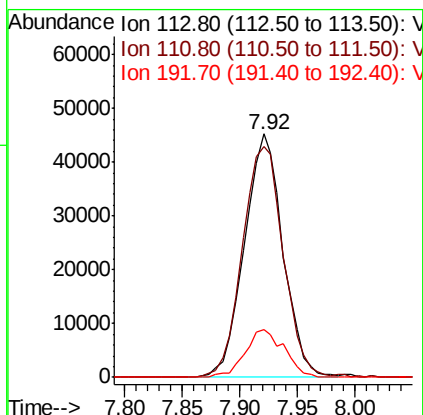
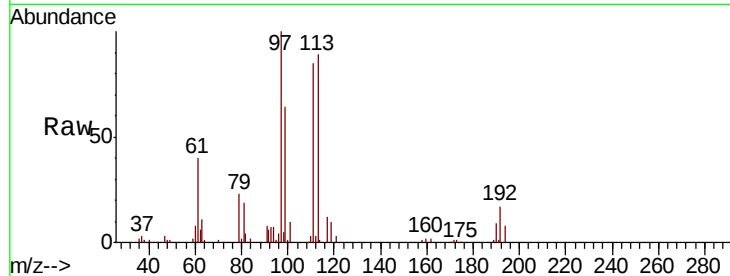




#35
Dibromofluoromethane
Concen: 50.635 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

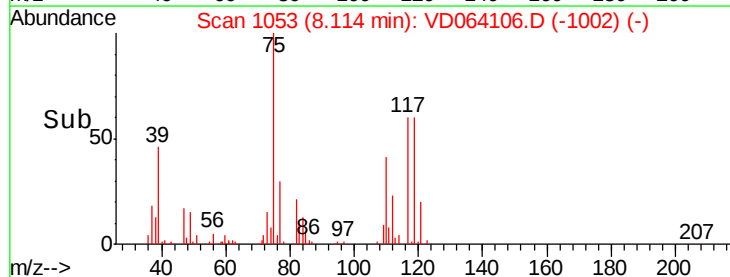
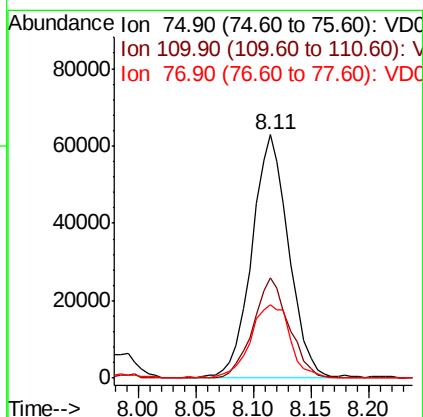
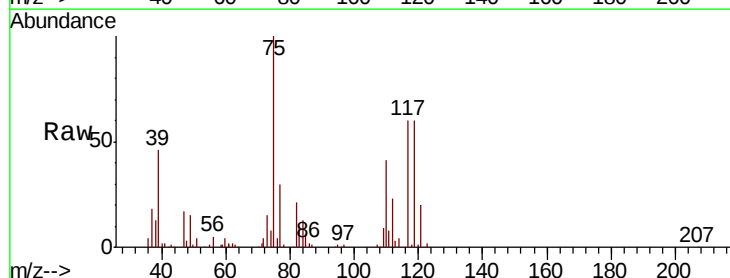
Instrument :
MSVOA_D
ClientSampleId :

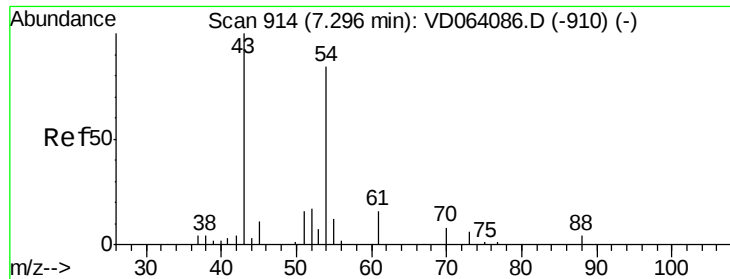
Tot Ion:113 Resp: 104944
Ion Ratio Lower Upper
113 100
111 101.0 79.3 118.9
192 19.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 44.248 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 75 Resp: 139675
Ion Ratio Lower Upper
75 100
110 40.2 20.0 59.9
77 32.5 24.7 37.1

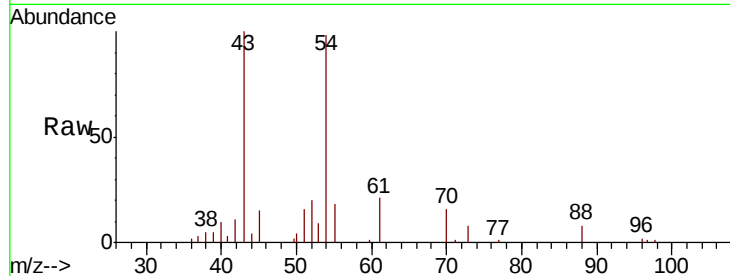




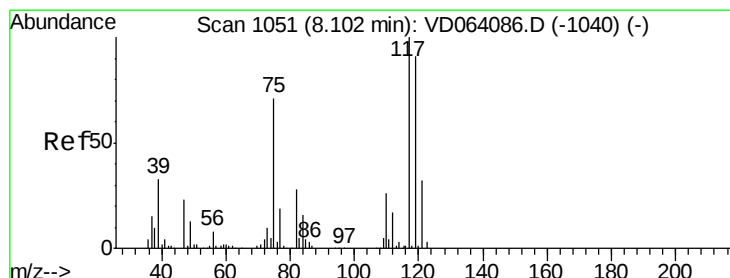
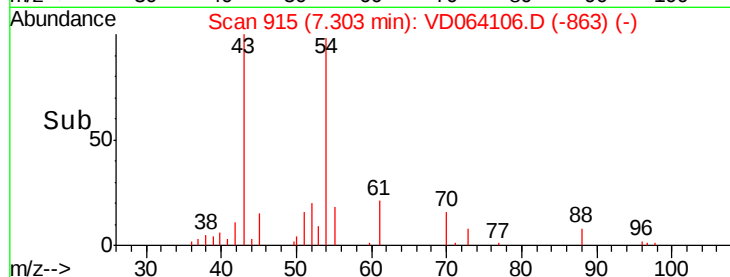
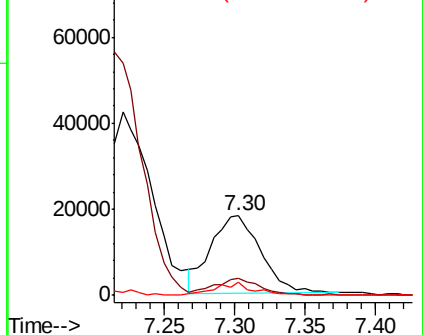
#37
Ethyl Acetate
Concen: 45.983 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 44678
Ion Ratio Lower Upper
43 100
61 18.9 12.0 18.0#
70 12.6 3.8 5.6#

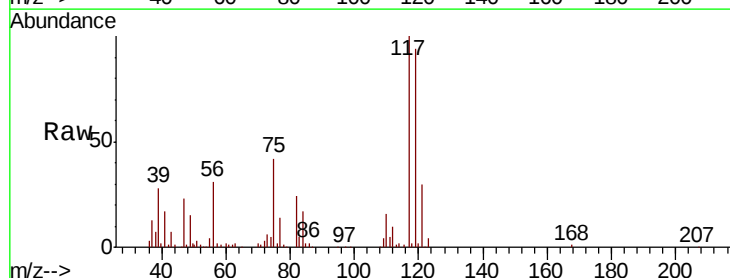


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

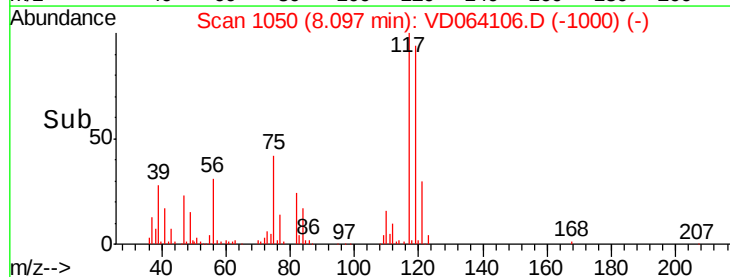
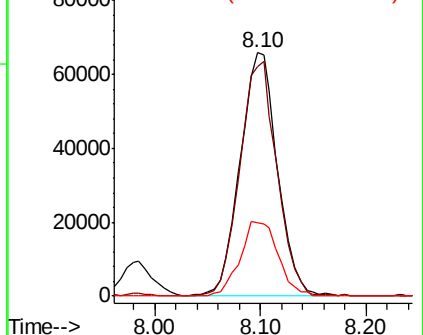


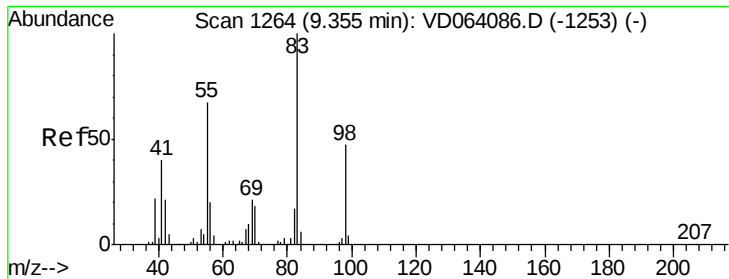
#38
Carbon Tetrachloride
Concen: 46.885 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 117 Resp: 161476
Ion Ratio Lower Upper
117 100
119 94.3 72.6 108.8
121 29.9 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

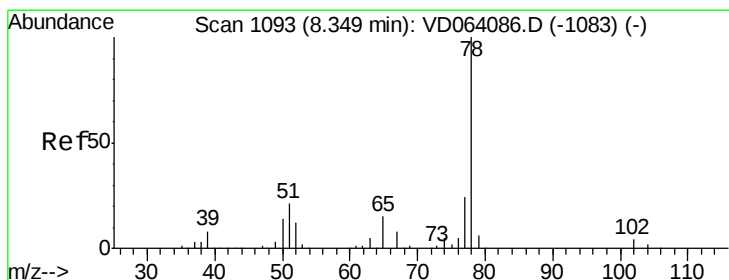
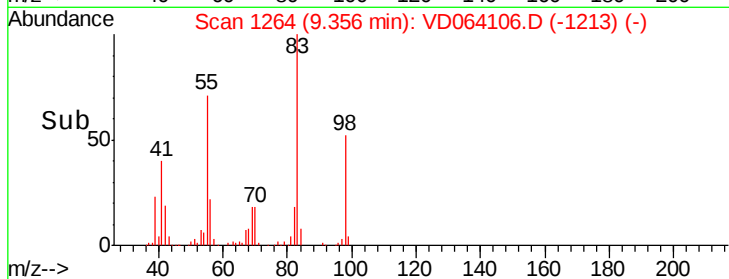
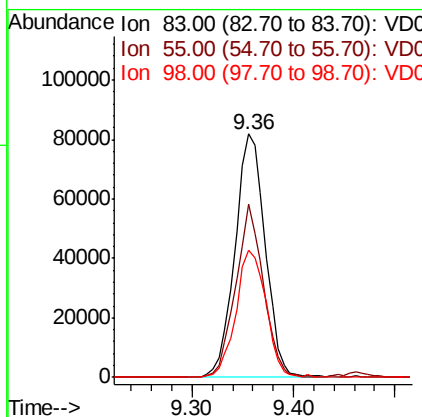
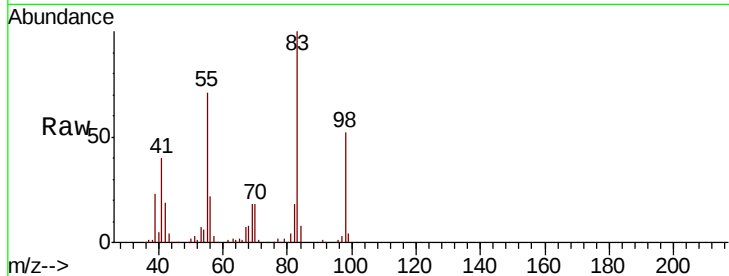




#39
Methylvlcvclohexane
Concen: 43.742 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

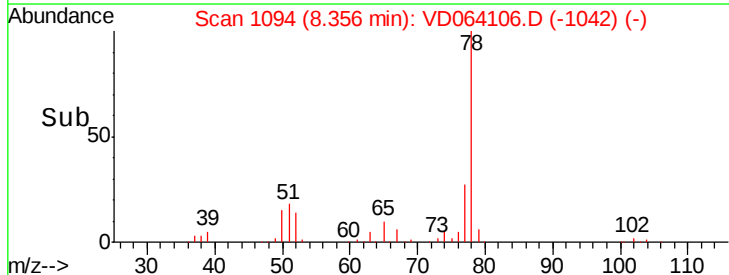
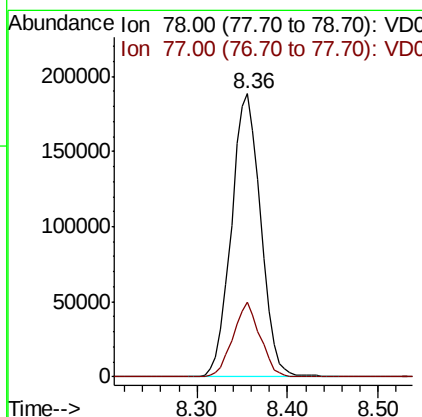
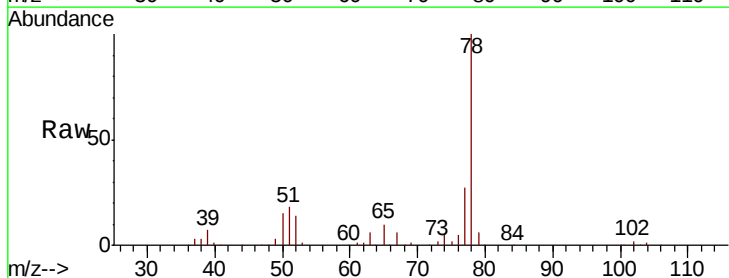
Instrument :
MSVOA_D
ClientSampleId :

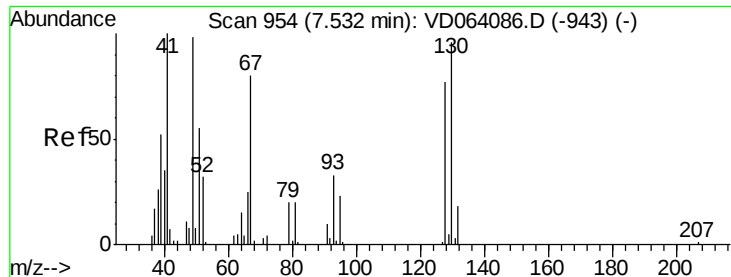
Tot Ion: 83 Resp: 169497
Ion Ratio Lower Upper
83 100
55 70.9 53.4 80.0
98 52.2 37.8 56.6



#40
Benzene
Concen: 49.272 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 78 Resp: 424137
Ion Ratio Lower Upper
78 100
77 26.5 19.0 28.4





#41

Methacrylonitrile

Concen: 121.720 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 68250

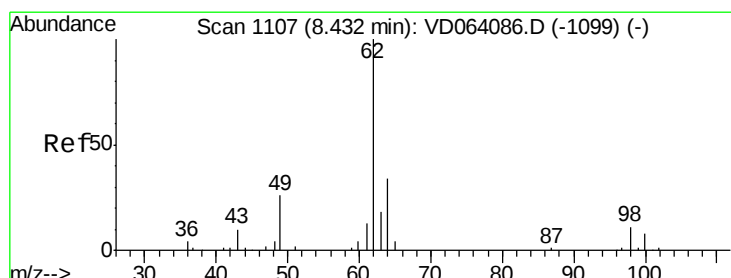
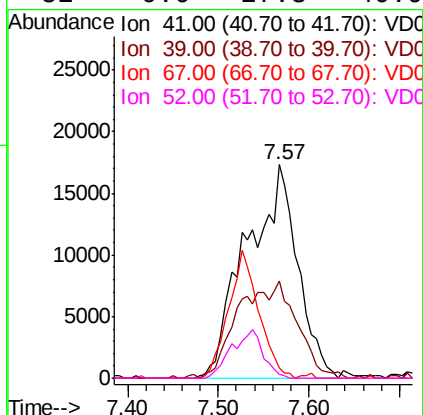
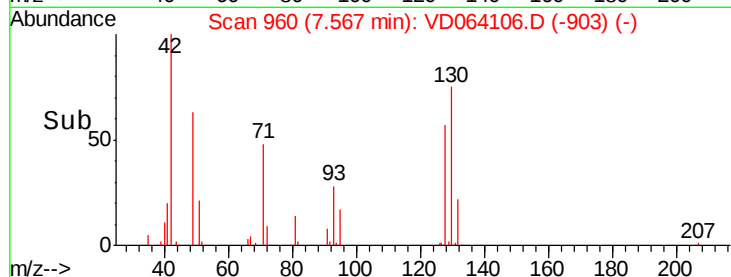
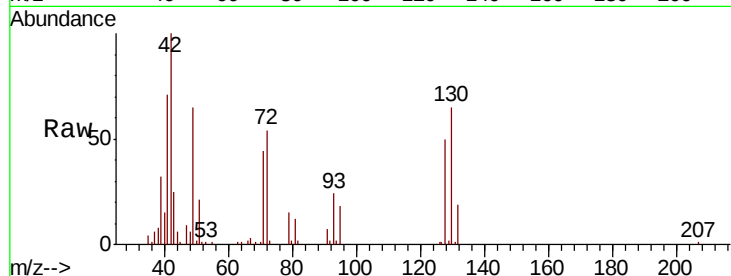
Ion Ratio Lower Upper

41 100

39 0.0 41.0 61.4#

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#



#42

1,2-Dichloroethane

Concen: 51.404 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064106.D

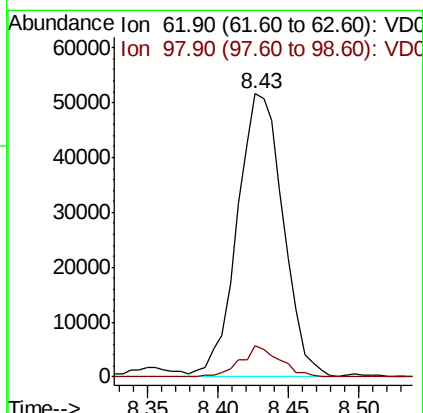
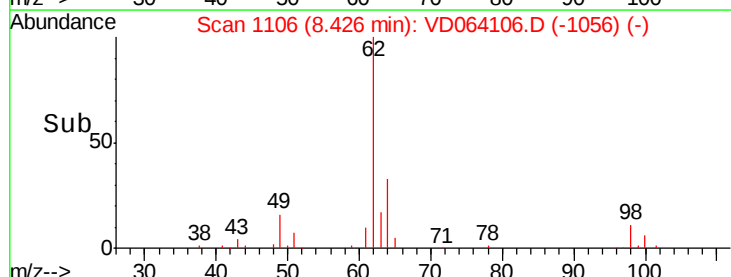
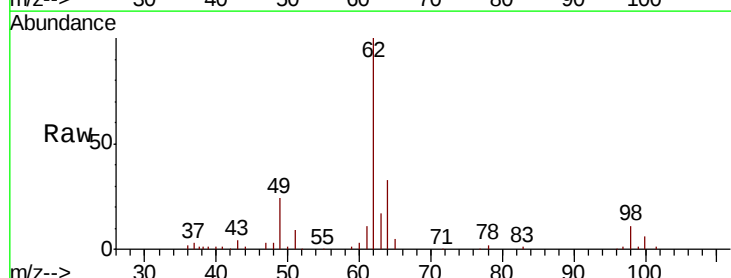
Acq: 29 Oct 2019 23:24

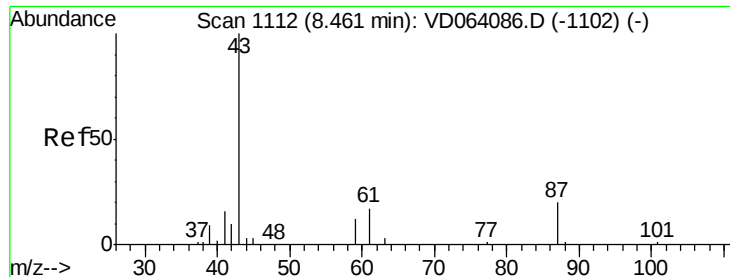
Tgt Ion: 62 Resp: 116884

Ion Ratio Lower Upper

62 100

98 9.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.410 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampled :

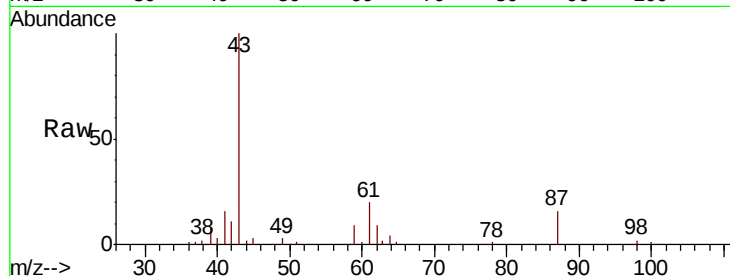
Tot Ion: 43 Resp: 95058

Ion Ratio Lower Upper

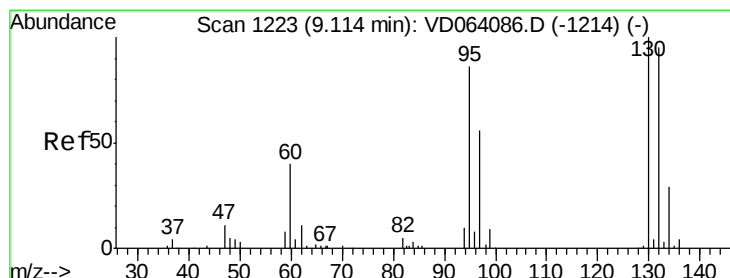
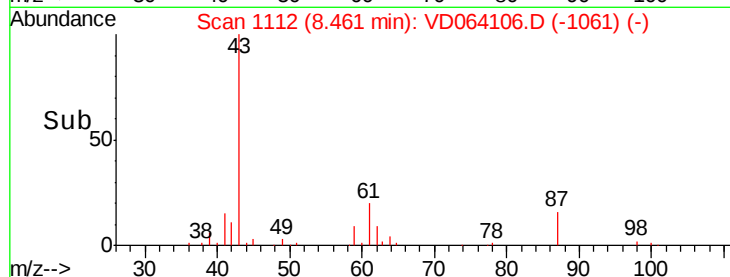
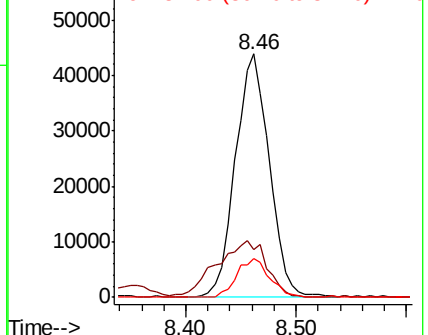
43 100

61 34.2 25.8 38.8

87 15.1 13.0 19.4



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



#44

Trichloroethene

Concen: 49.527 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064106.D

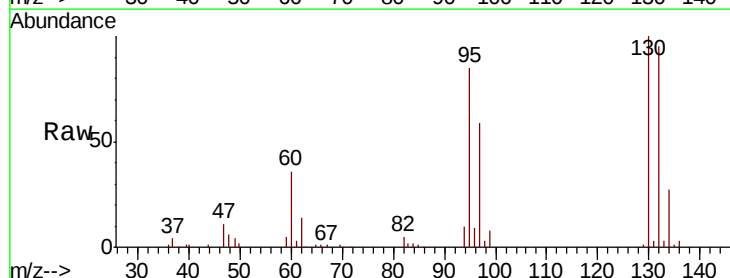
Acq: 29 Oct 2019 23:24

Tgt Ion: 130 Resp: 129217

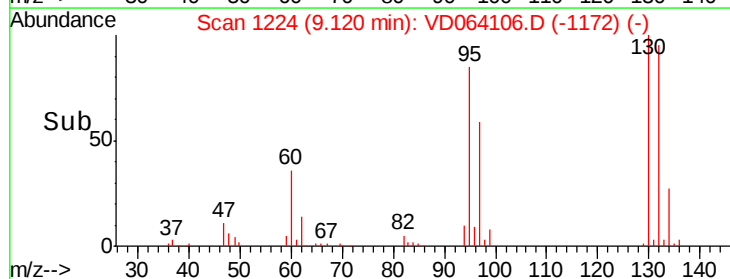
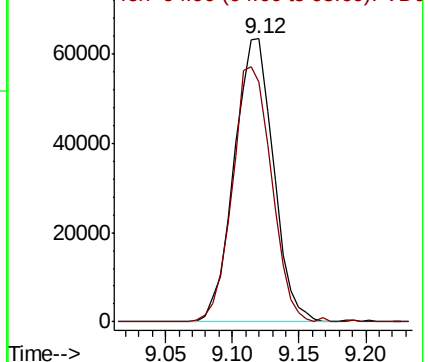
Ion Ratio Lower Upper

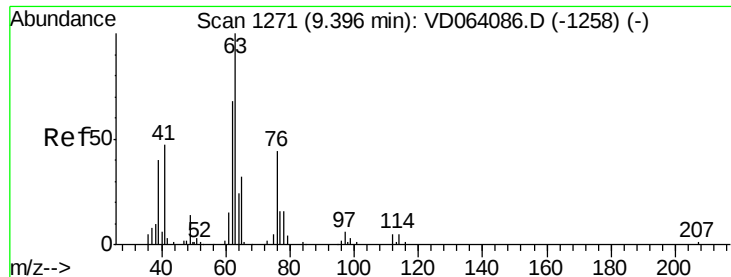
130 100

95 84.8 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.041 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

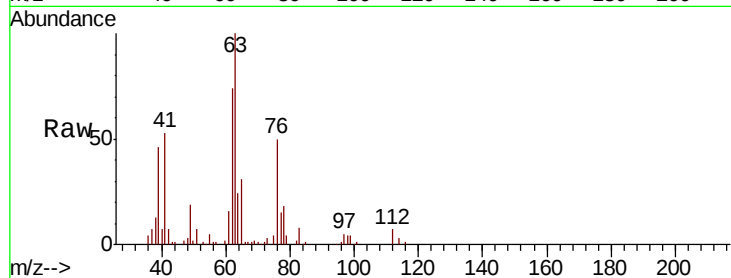
ClientSampled :

Tot Ion: 63 Resp: 95838

Ion Ratio Lower Upper

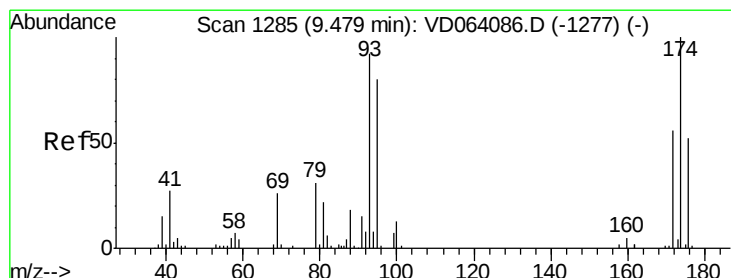
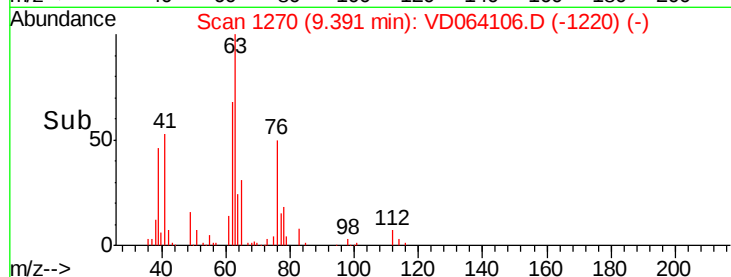
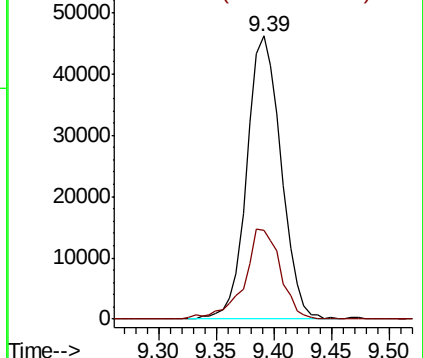
63 100

65 31.3 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.498 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

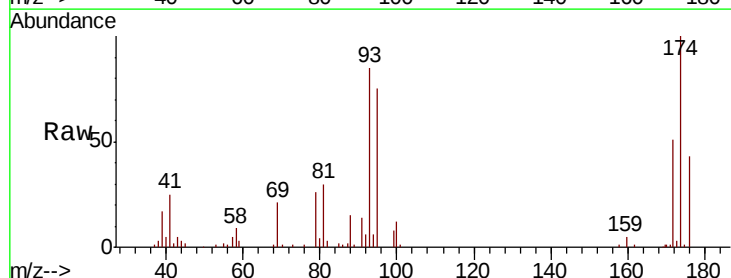
Tgt Ion: 93 Resp: 60672

Ion Ratio Lower Upper

93 100

95 80.6 67.4 101.2

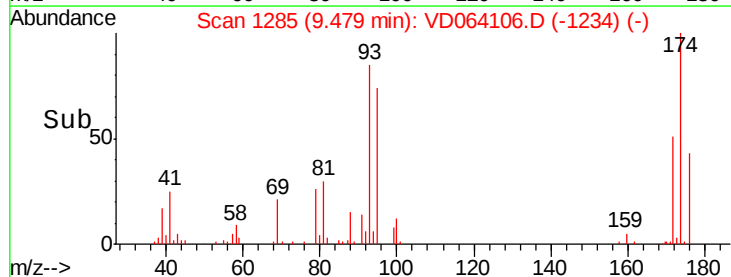
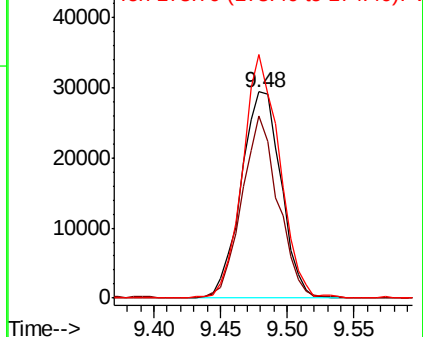
174 109.7 86.4 129.6

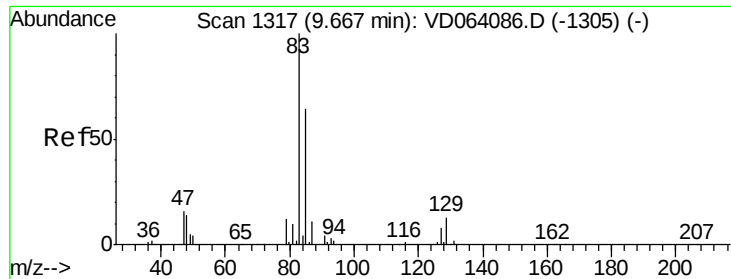


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.809 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

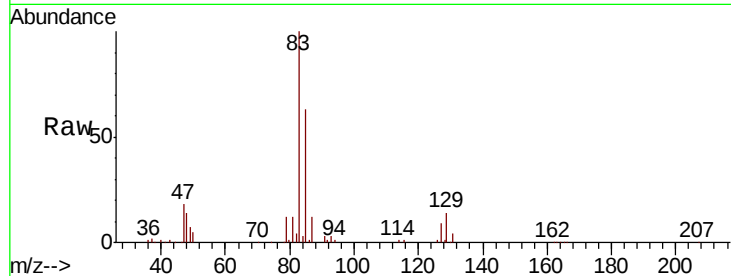
Tot Ion: 83 Resp: 154003

Ion Ratio Lower Upper

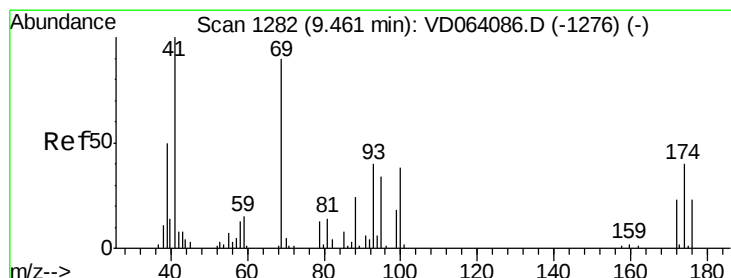
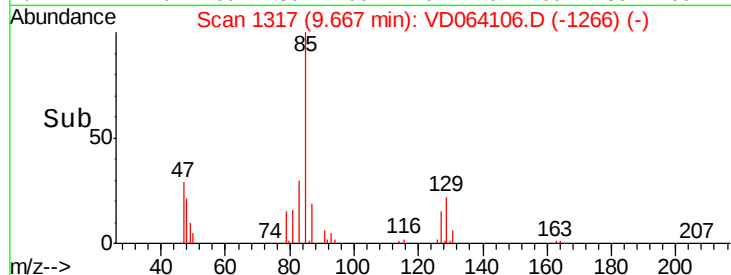
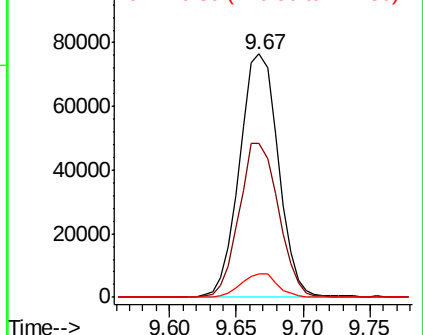
83 100

85 63.1 51.4 77.0

127 9.4 6.7 10.1



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: 48.326 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

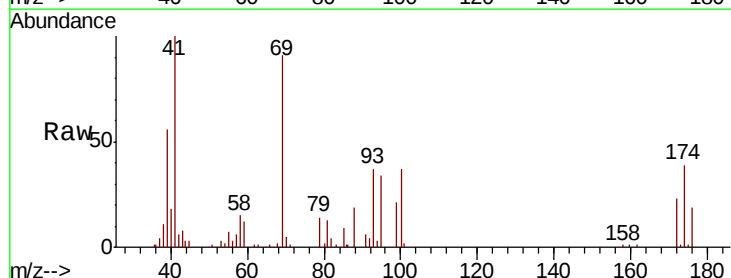
Tgt Ion: 41 Resp: 43882

Ion Ratio Lower Upper

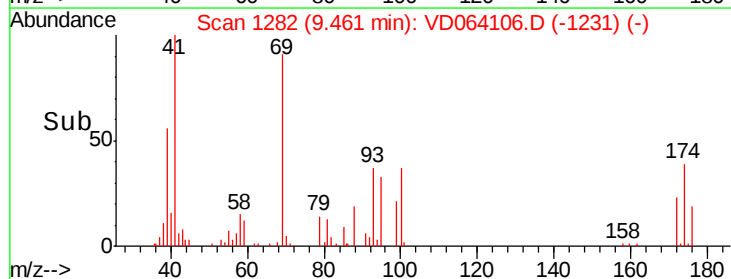
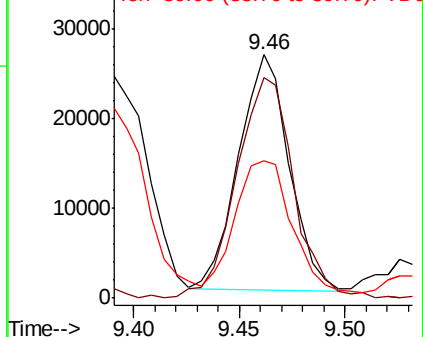
41 100

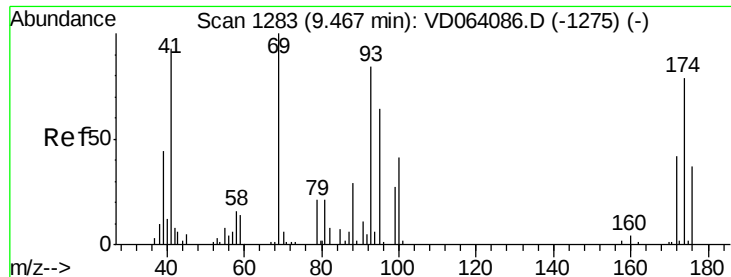
69 105.4 82.6 124.0

39 68.3 47.0 70.4



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: 1094.897 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

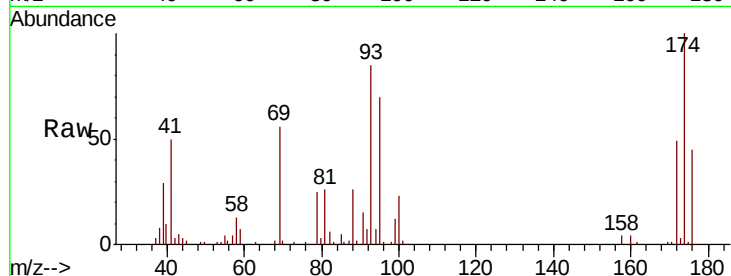
Tot Ion: 88 Resp: 15058

Ion Ratio Lower Upper

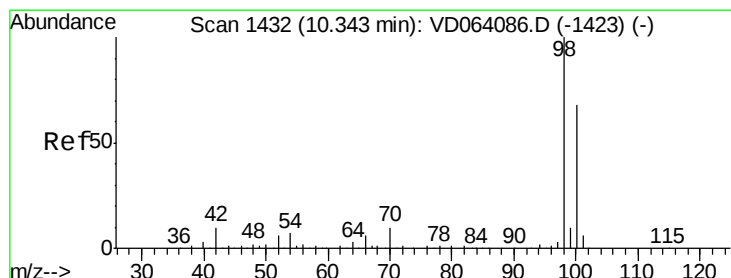
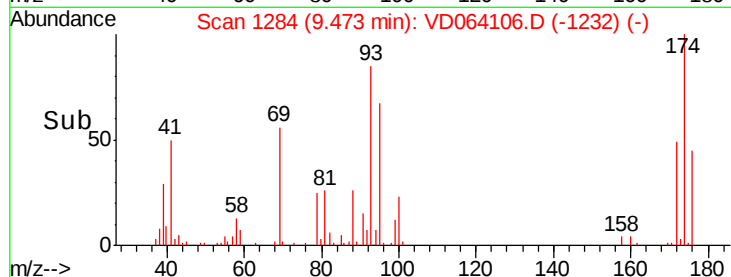
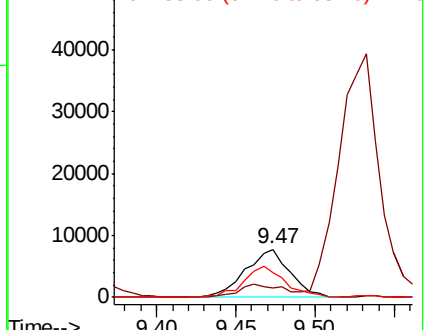
88 100

43 28.6 13.4 20.0#

58 59.8 46.7 70.1



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.350 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064106.D

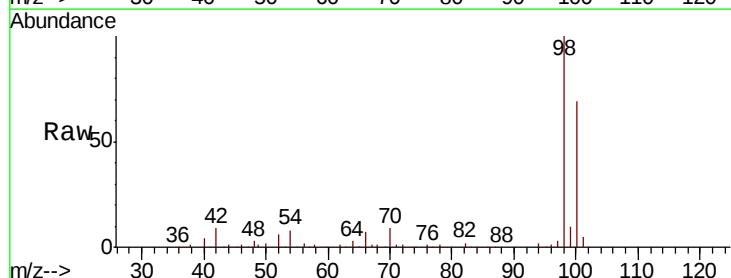
Acq: 29 Oct 2019 23:24

Tgt Ion: 98 Resp: 417325

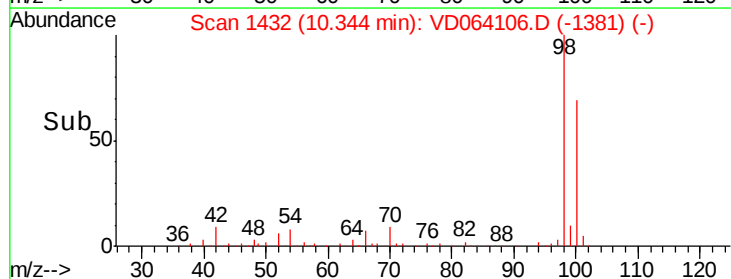
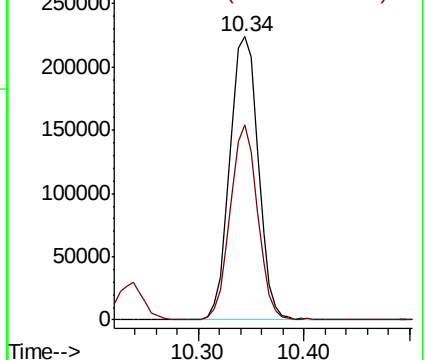
Ion Ratio Lower Upper

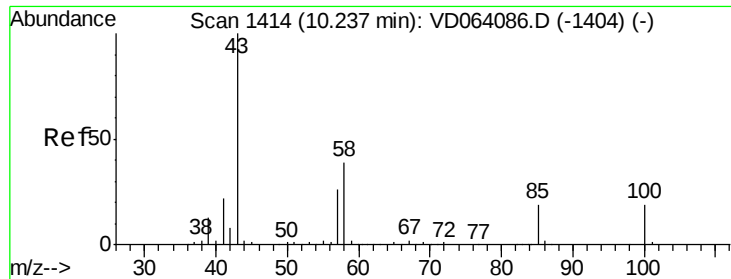
98 100

100 66.1 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 244.308 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

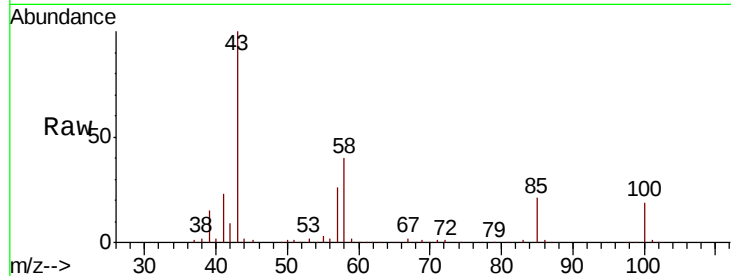
ClientSampleId :

Tot Ion: 43 Resp: 261160

Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

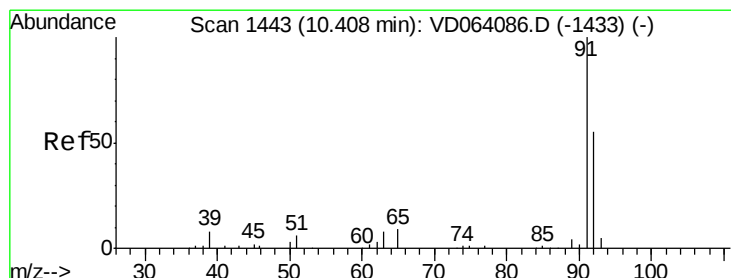
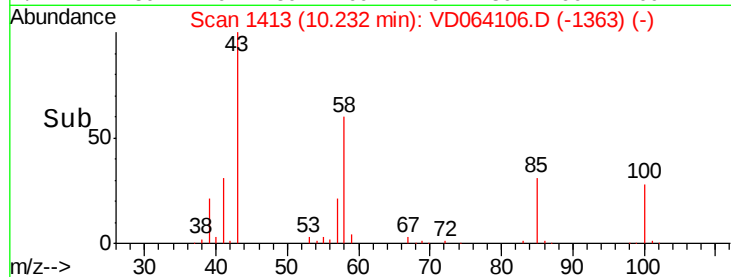
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.877 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064106.D

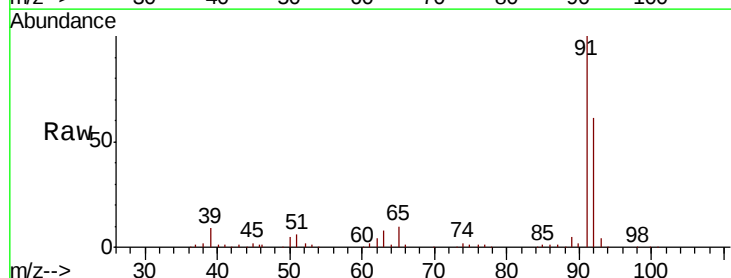
Acq: 29 Oct 2019 23:24

Tgt Ion: 92 Resp: 300884

Ion Ratio Lower Upper

92 100

91 170.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

300000

250000

200000

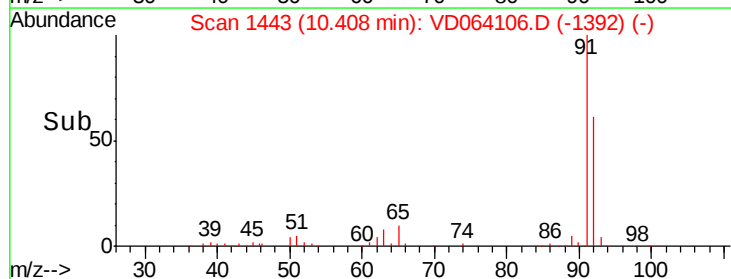
150000

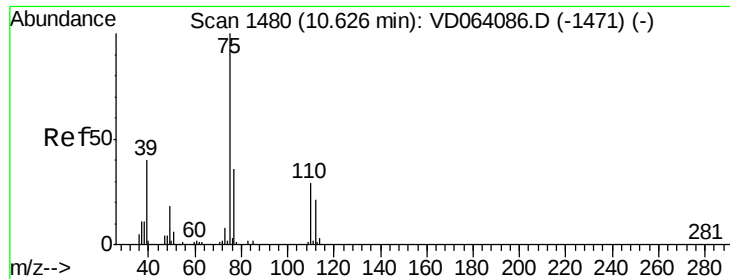
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.396 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

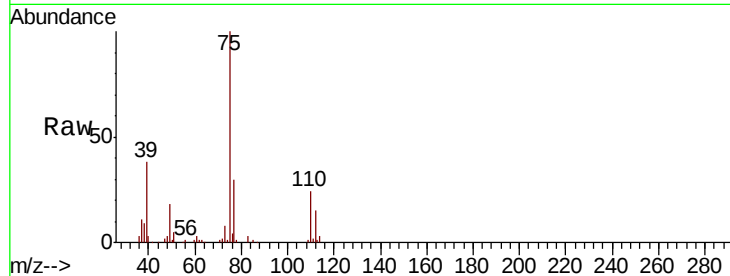
ClientSampleId :

Tot Ion: 75 Resp: 145418

Ion Ratio Lower Upper

75 100

77 30.0 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

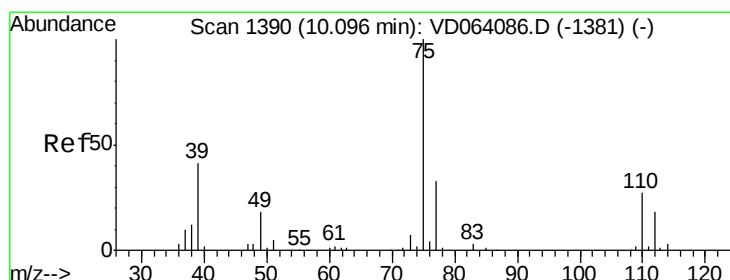
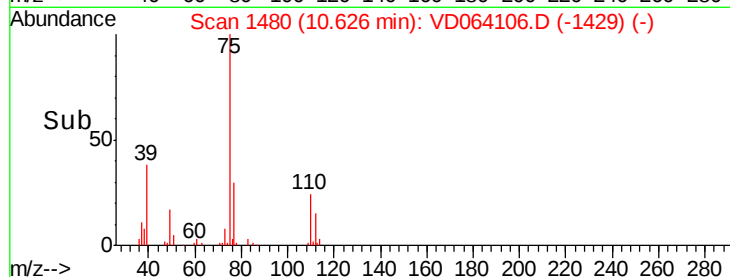
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.684 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

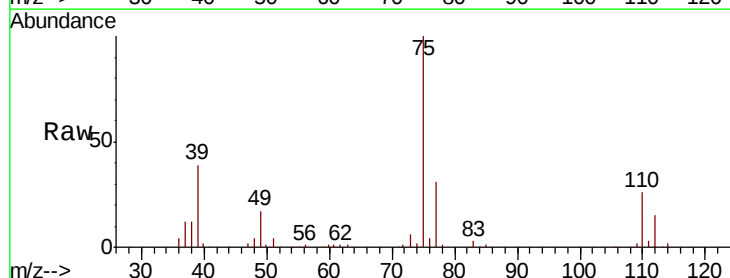
Tgt Ion: 75 Resp: 162058

Ion Ratio Lower Upper

75 100

77 31.4 26.8 40.2

39 39.1 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

120000

100000

80000

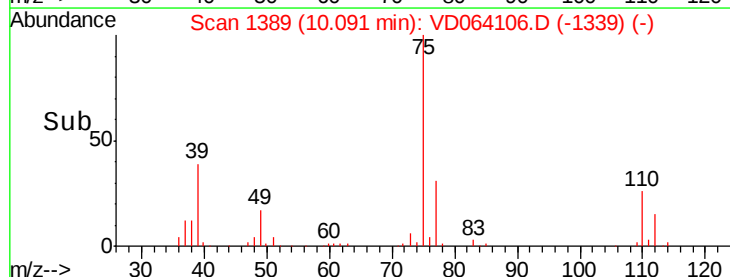
60000

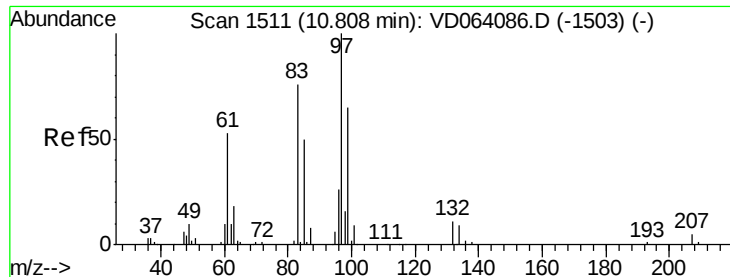
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.925 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 85045

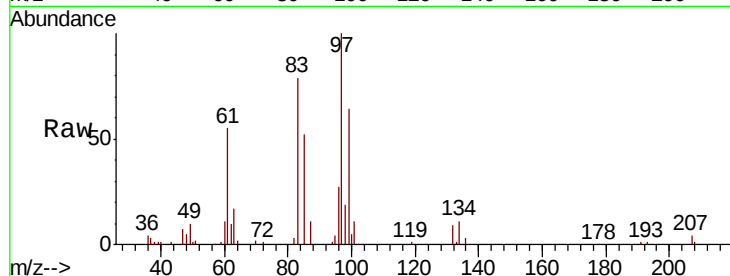
Ion	Ratio	Lower	Upper
97	100		
83	79.2	60.9	91.3
85	51.9	40.2	60.2
99	64.0	51.9	77.9

97 100

83 79.2 60.9 91.3

85 51.9 40.2 60.2

99 64.0 51.9 77.9

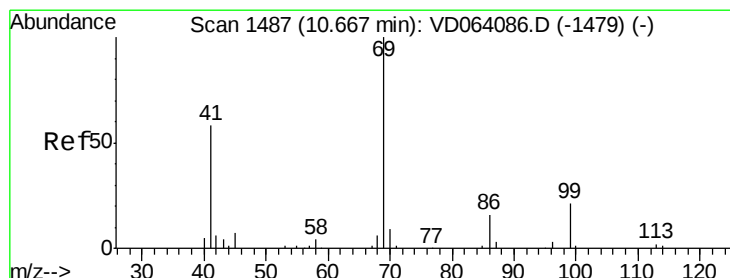
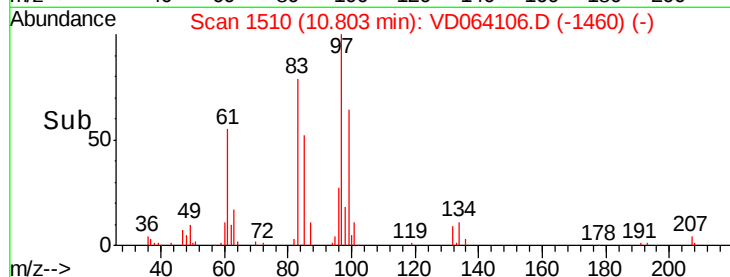
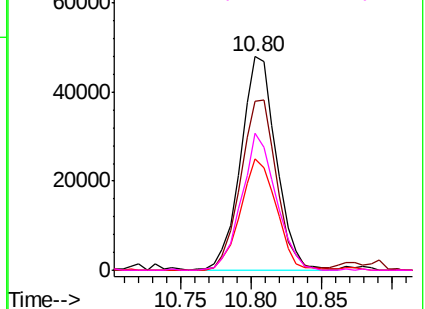


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 45.827 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

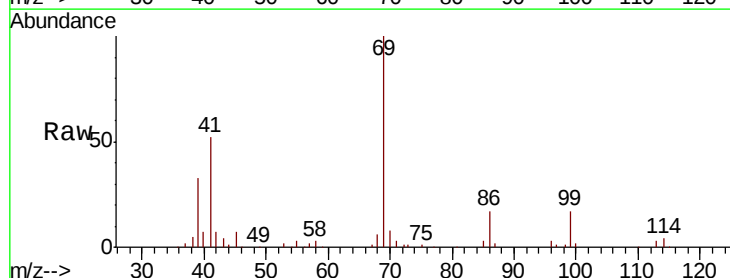
Tgt Ion: 69 Resp: 94327

Ion	Ratio	Lower	Upper
69	100		
41	57.6	46.9	70.3
39	32.8	27.3	40.9

69 100

41 57.6 46.9 70.3

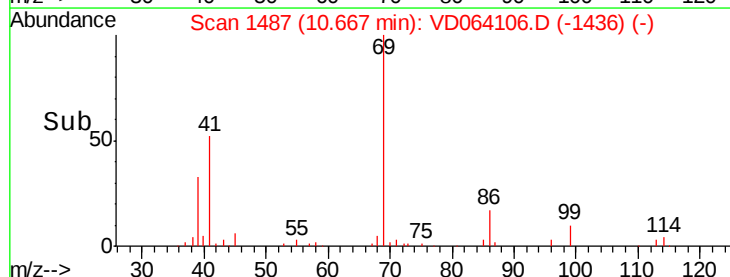
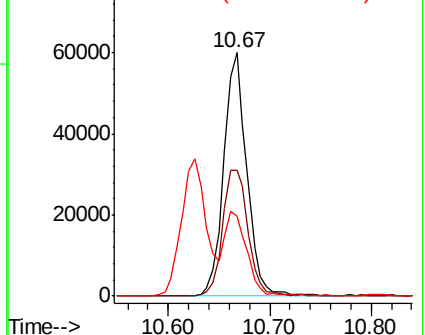
39 32.8 27.3 40.9

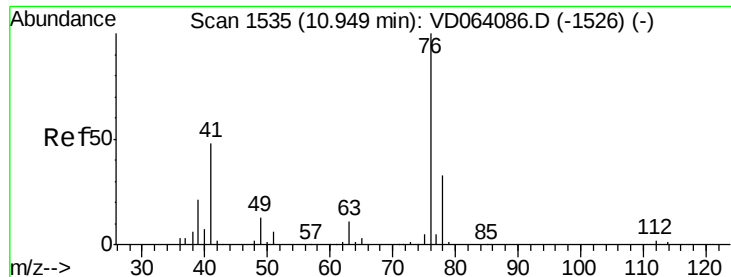


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.825 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

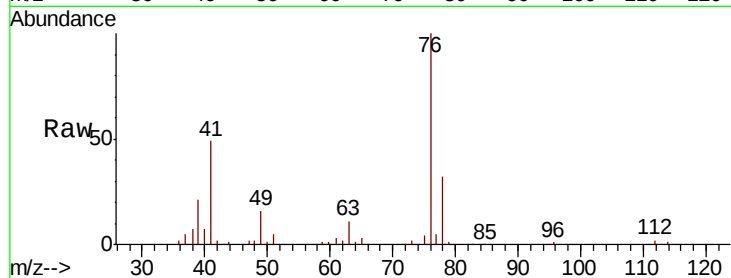
ClientSampled :

Tot Ion: 76 Resp: 137551

Ion Ratio Lower Upper

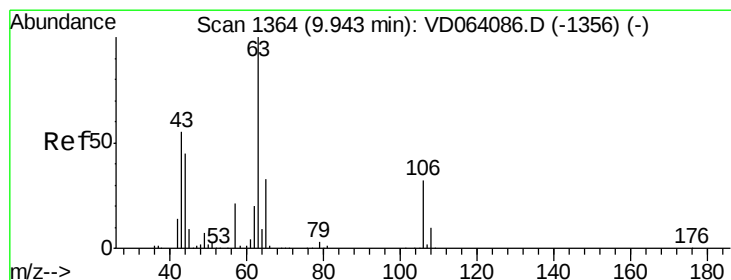
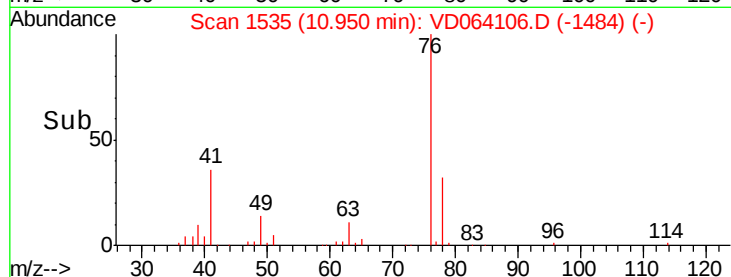
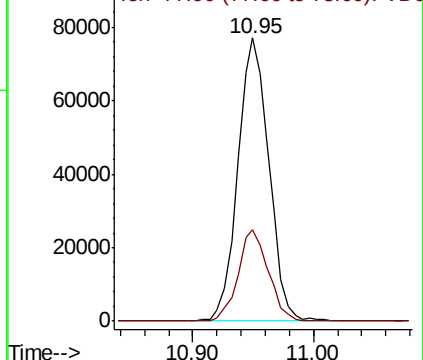
76 100

78 31.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.763 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064106.D

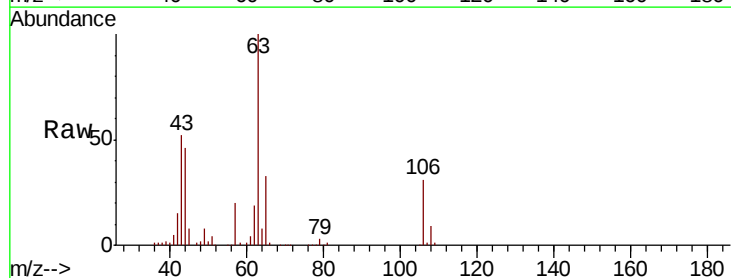
Acq: 29 Oct 2019 23:24

Tgt Ion: 63 Resp: 182663

Ion Ratio Lower Upper

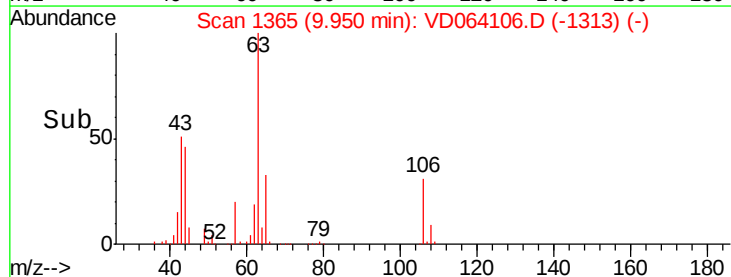
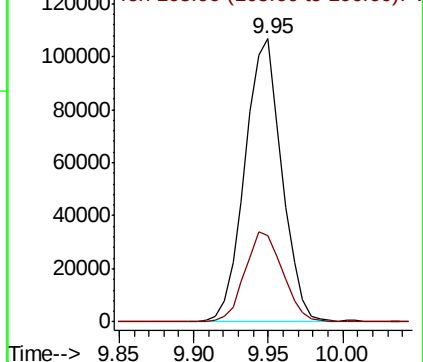
63 100

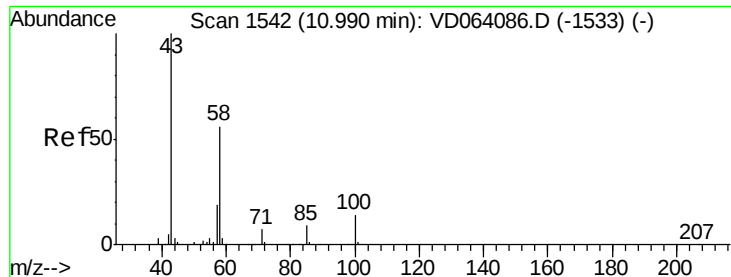
106 32.7 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

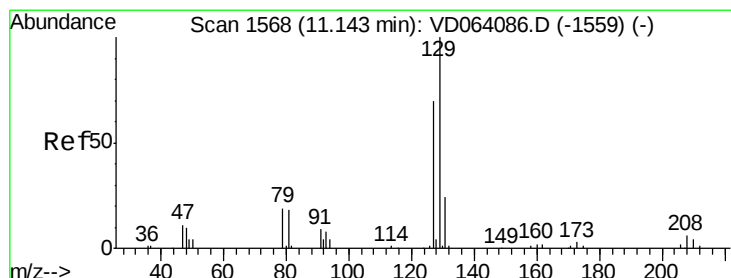
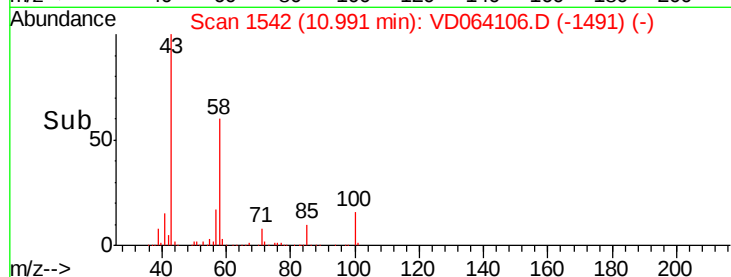
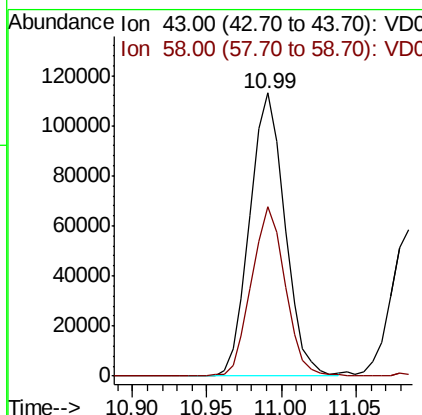
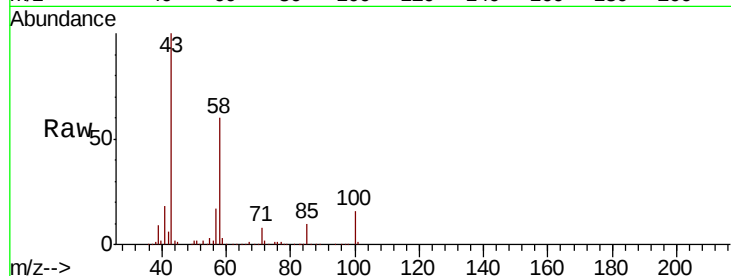




#59
2-Hexanone
Concen: 220.771 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

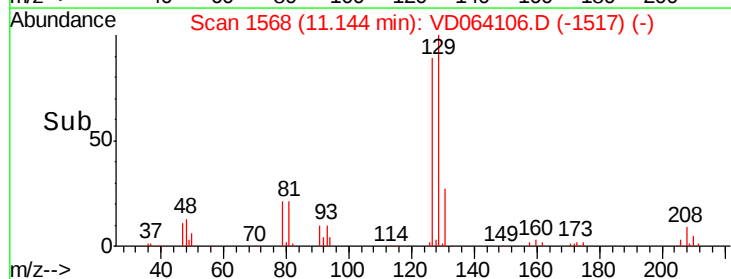
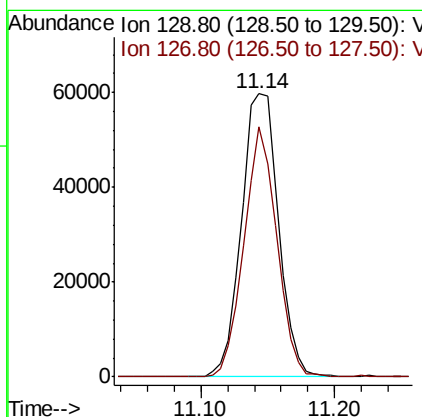
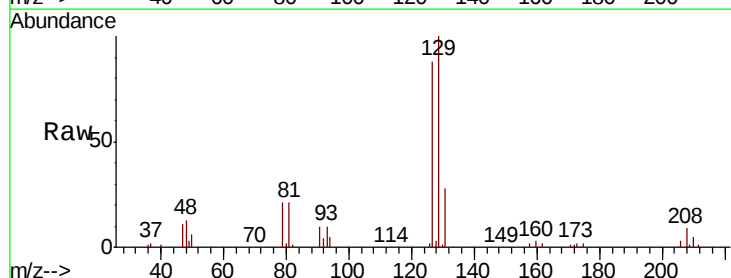
Instrument :
MSVOA_D
ClientSampleId :

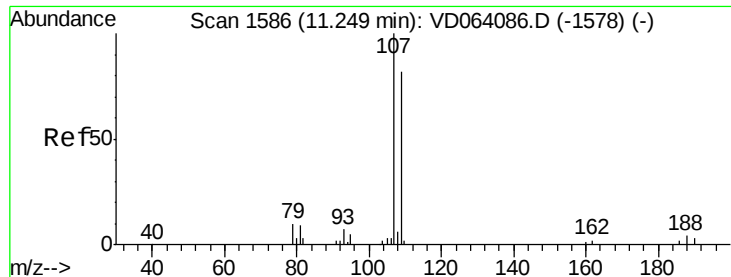
Tot Ion: 43 Resp: 184082
Ion Ratio Lower Upper
43 100
58 57.7 29.2 87.6



#60
Dibromochloromethane
Concen: 49.457 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 129 Resp: 114347
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.8

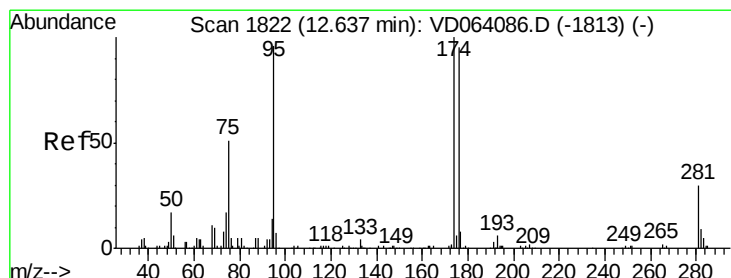
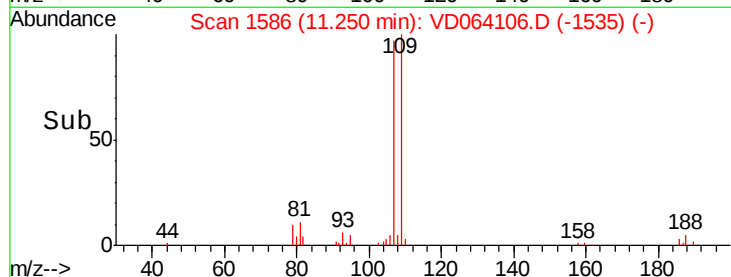
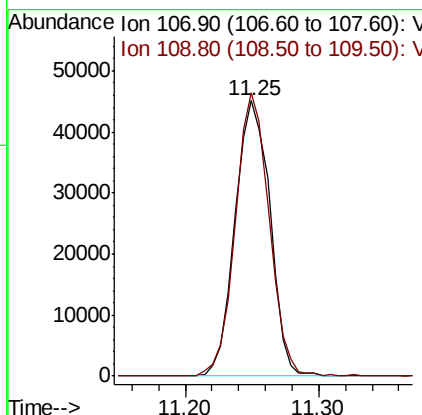
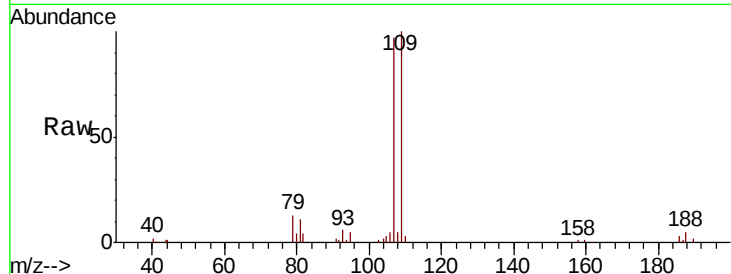




#61
 1,2-Dibromoethane
 Concen: 47.969 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

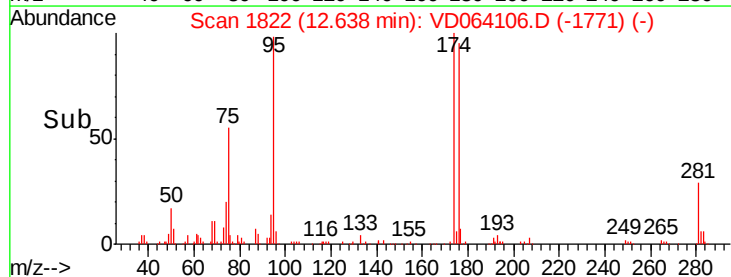
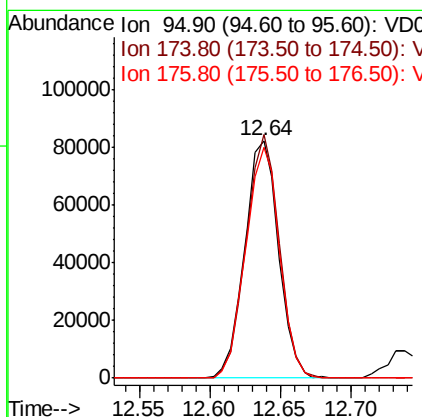
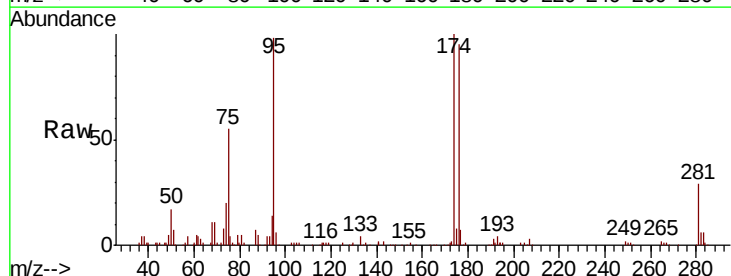
Instrument :
 MSVOA_D
 ClientSampled :

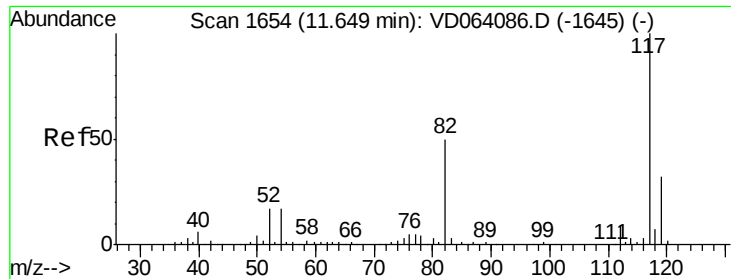
Tot Ion: 107 Resp: 81725
 Ion Ratio Lower Upper
 107 100
 109 99.5 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 50.472 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Tgt Ion: 95 Resp: 138693
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 201.6
 176 97.4 0.0 192.6

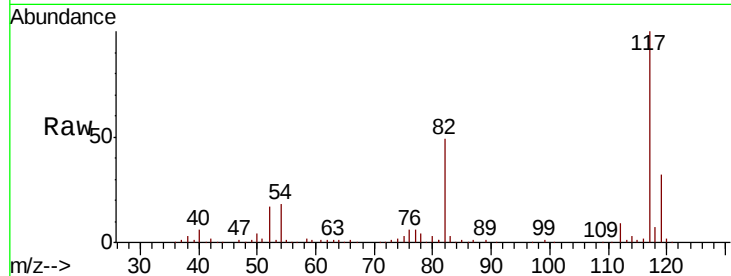




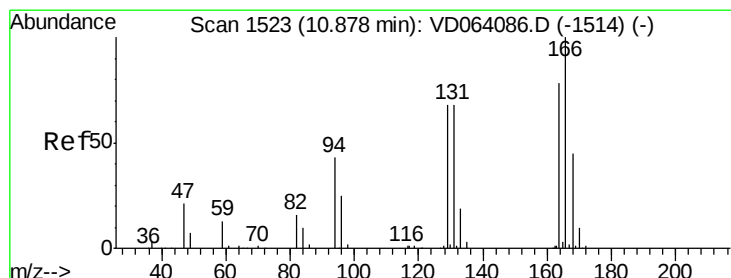
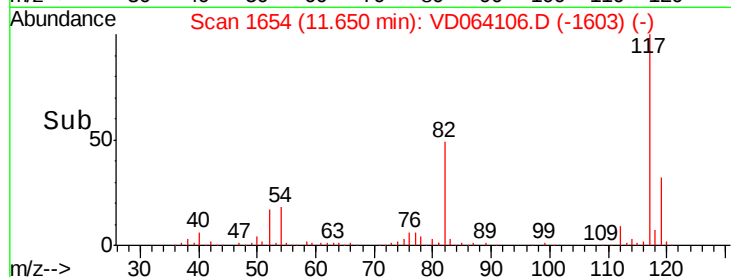
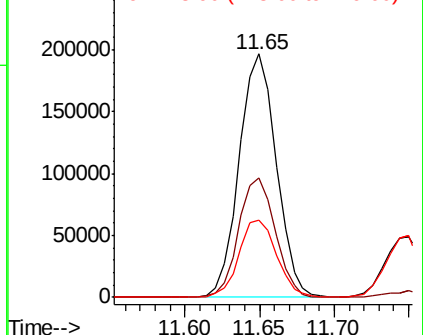
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 339938
Ion Ratio Lower Upper
117 100
82 49.1 40.2 60.4
119 31.6 26.0 39.0

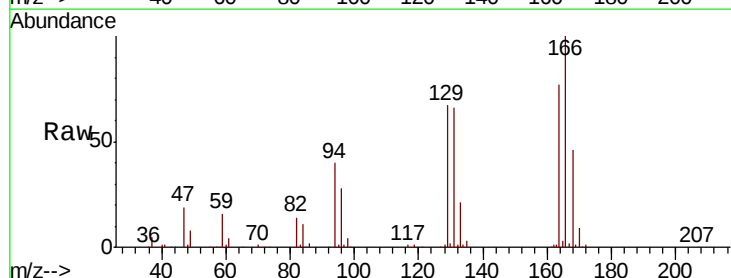


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

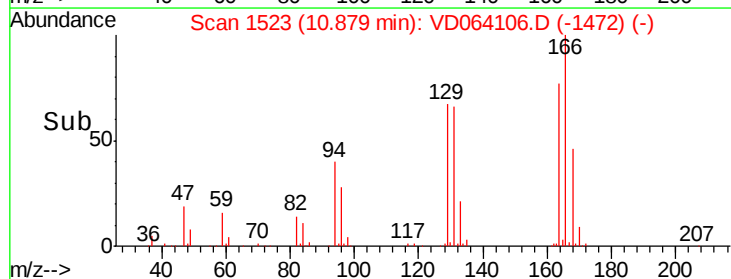
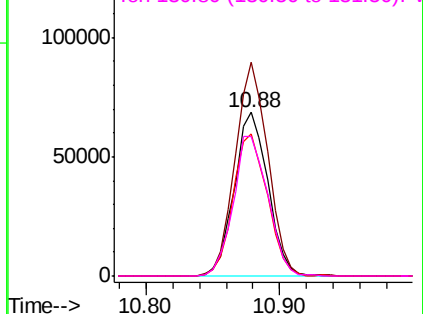


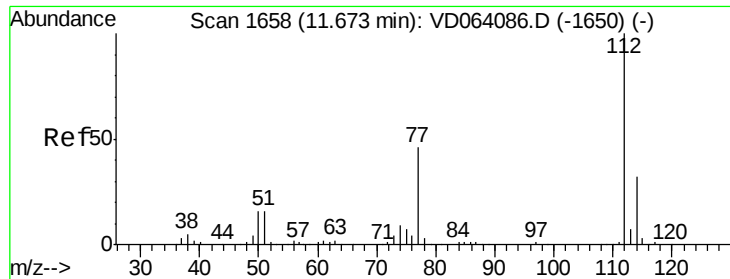
#64
Tetrachloroethene
Concen: 48.891 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:164 Resp: 119398
Ion Ratio Lower Upper
164 100
166 130.7 102.7 154.1
129 87.0 69.8 104.6
131 85.8 69.4 104.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

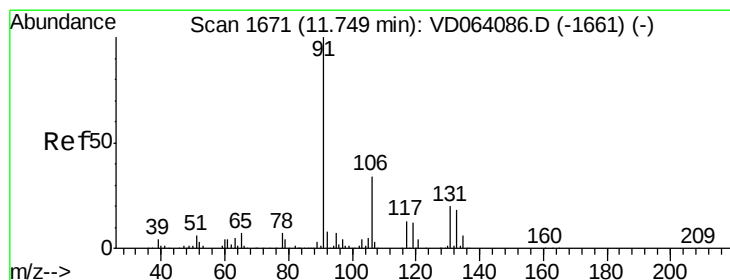
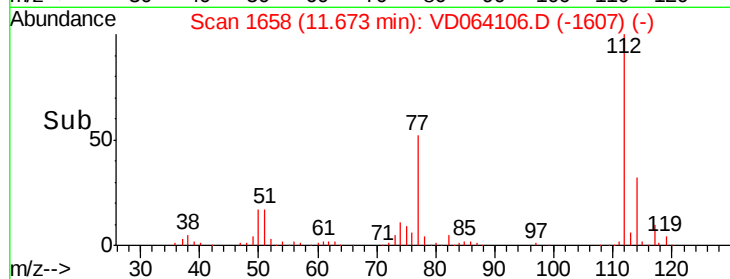
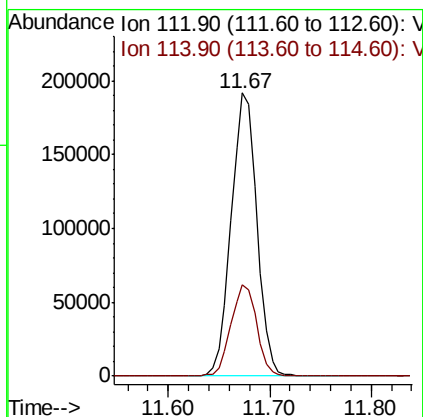
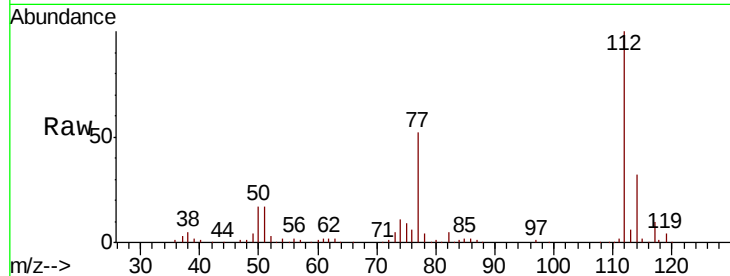




#65
Chlorobenzene
Concen: 48.016 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

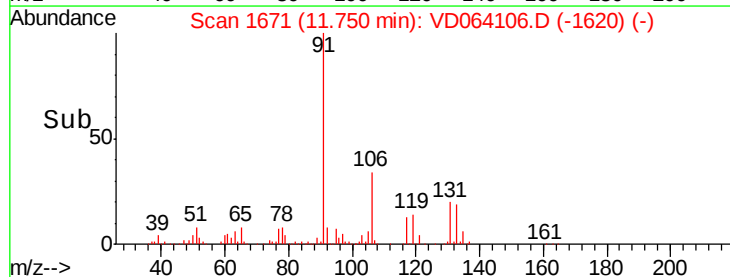
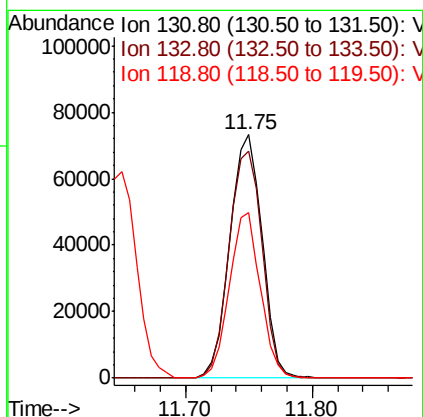
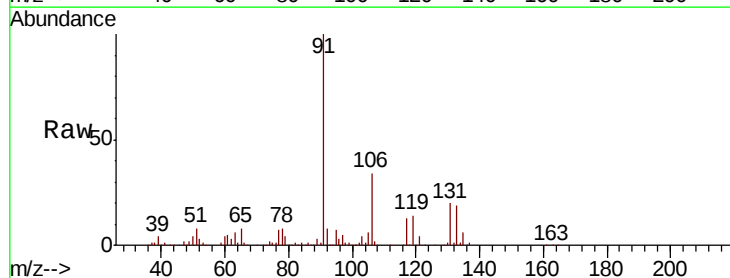
Instrument :
MSVOA_D
ClientSampled :

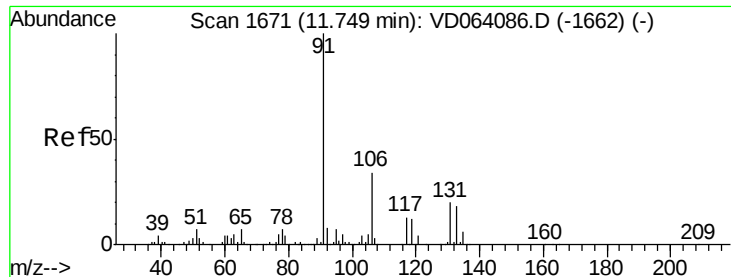
Tot Ion:112 Resp: 337258
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.129 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:131 Resp: 129121
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 65.3 31.4 94.3





#67

Ethyl Benzene

Concen: 48.175 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

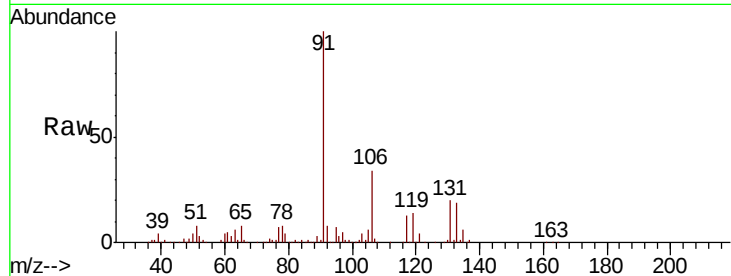
ClientSampled :

Tot Ion: 91 Resp: 601854

Ion Ratio Lower Upper

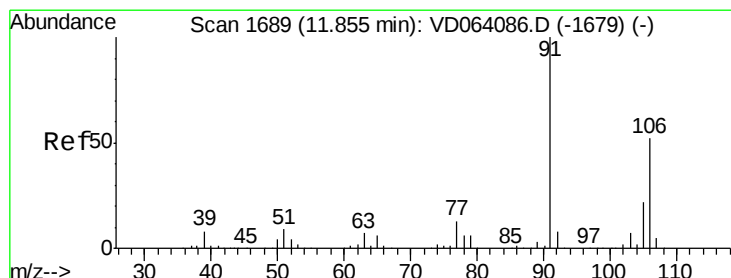
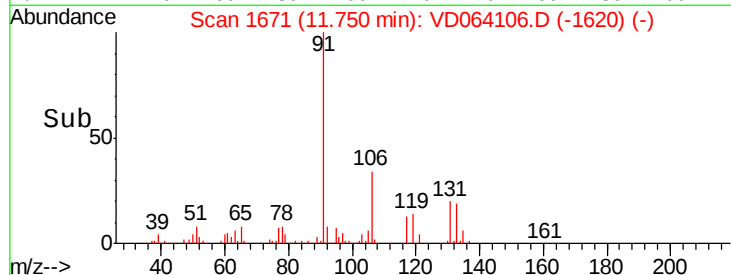
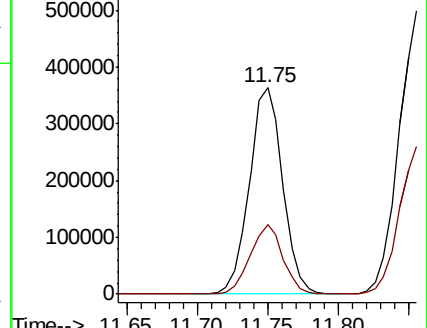
91 100

106 33.6 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 96.976 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064106.D

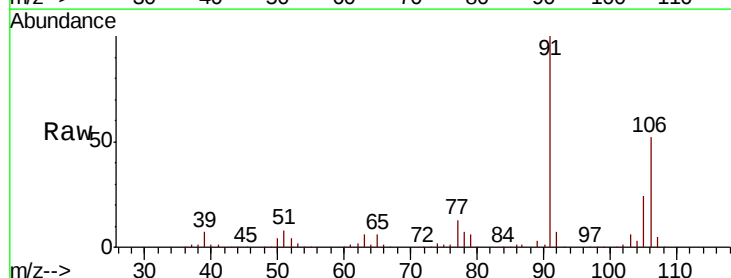
Acq: 29 Oct 2019 23:24

Tgt Ion: 106 Resp: 487311

Ion Ratio Lower Upper

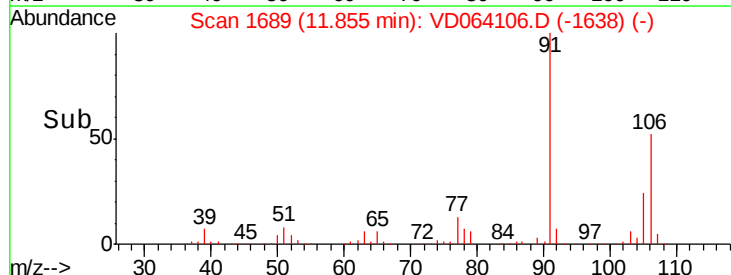
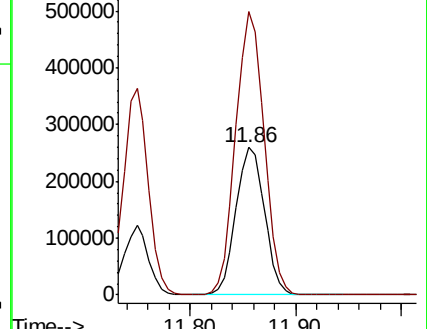
106 100

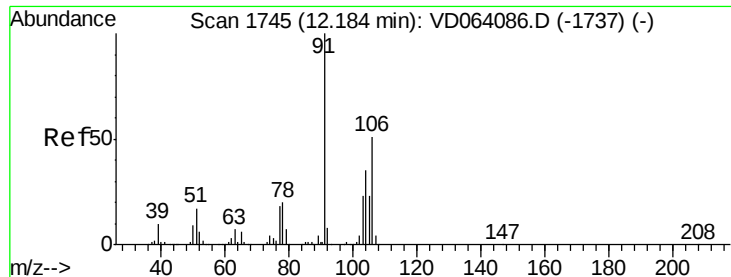
91 190.9 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

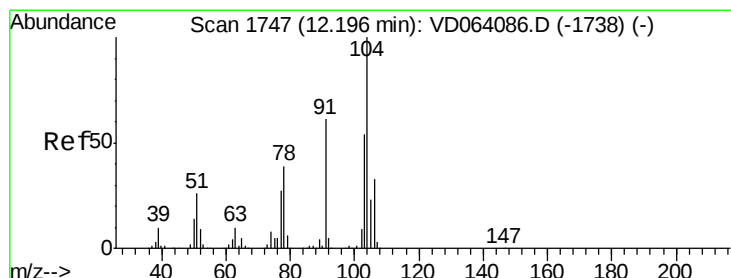
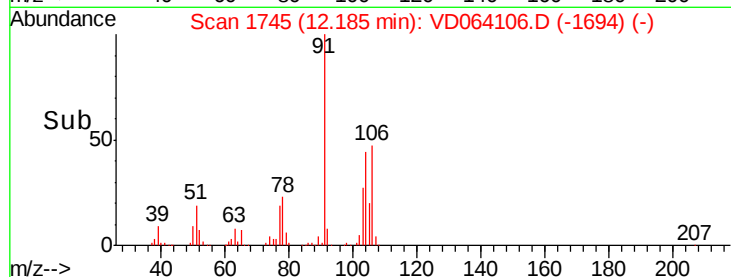
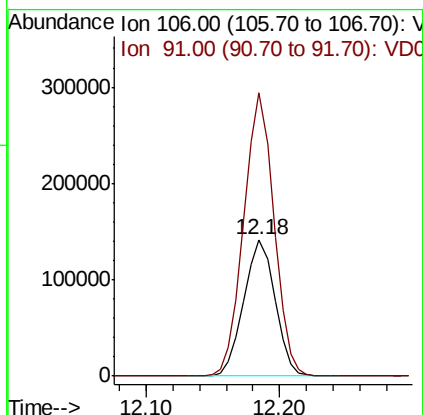
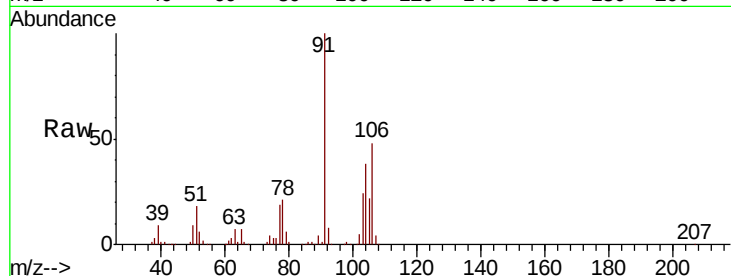




#69
o-Xylene
Concen: 50.050 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

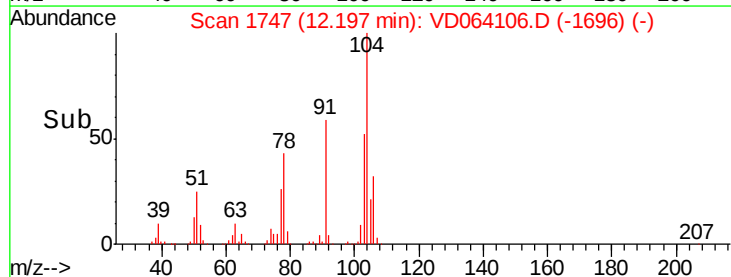
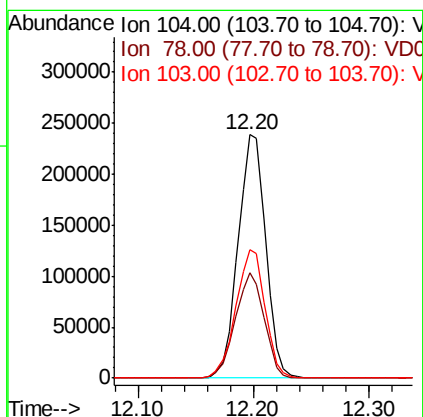
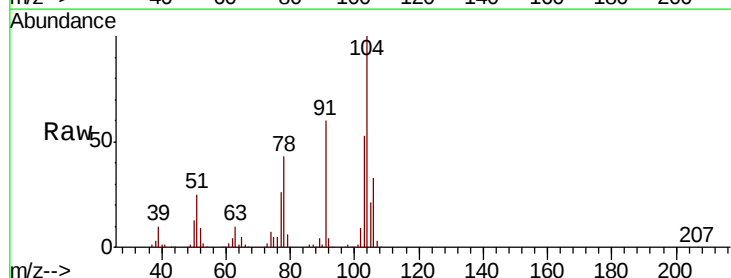
Instrument :
MSVOA_D
ClientSampleId :

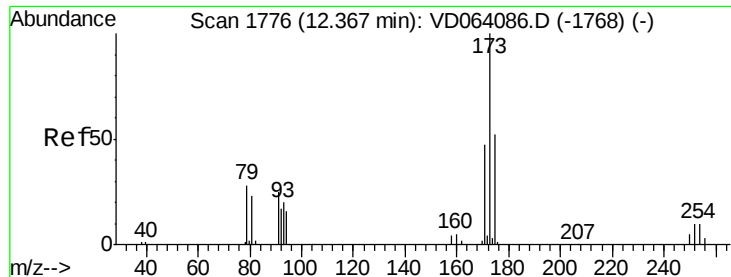
Tot Ion:106 Resp: 229530
Ion Ratio Lower Upper
106 100
91 200.7 100.6 301.9



#70
Styrene
Concen: 50.117 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:104 Resp: 396397
Ion Ratio Lower Upper
104 100
78 45.6 34.6 51.8
103 55.6 44.2 66.2

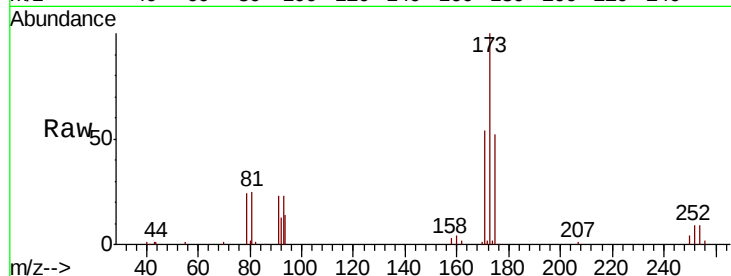




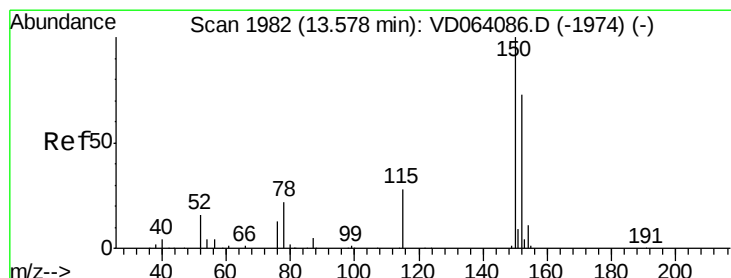
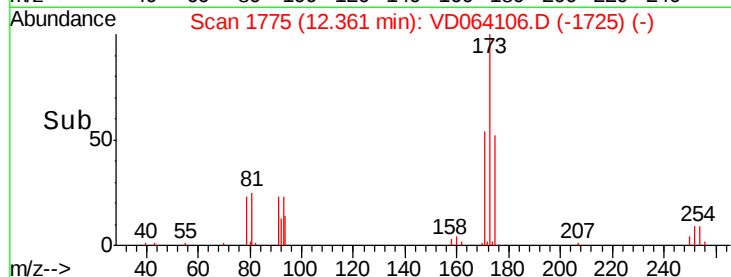
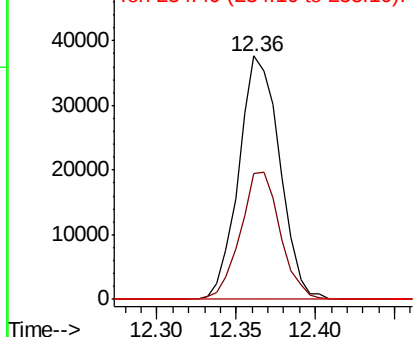
#71
Bromoform
Concen: 47.959 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 67317
Ion Ratio Lower Upper
173 100
175 51.0 24.3 72.9
254 0.0 0.0 0.0

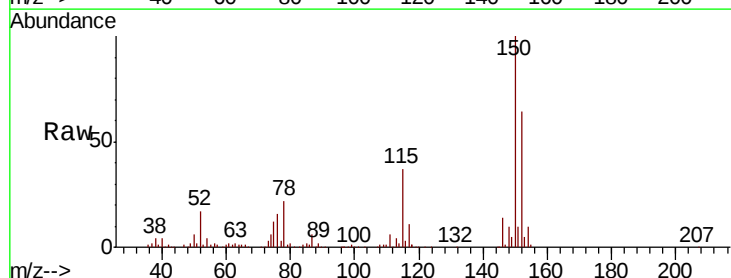


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

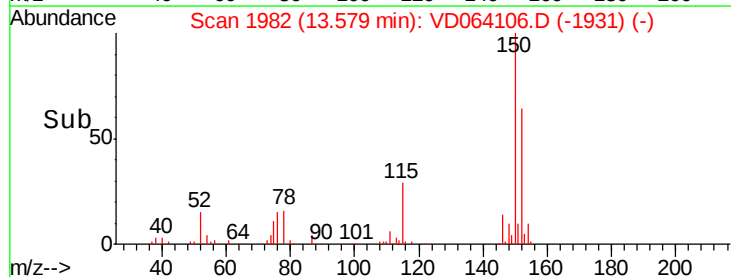
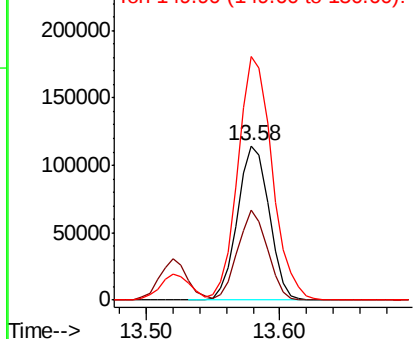


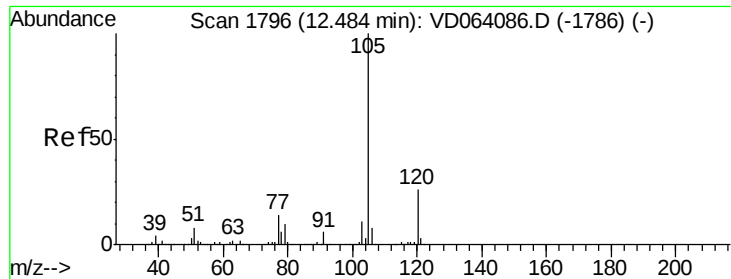
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:152 Resp: 188281
Ion Ratio Lower Upper
152 100
115 54.8 26.2 78.6
150 170.5 0.0 338.8



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: 46.736 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

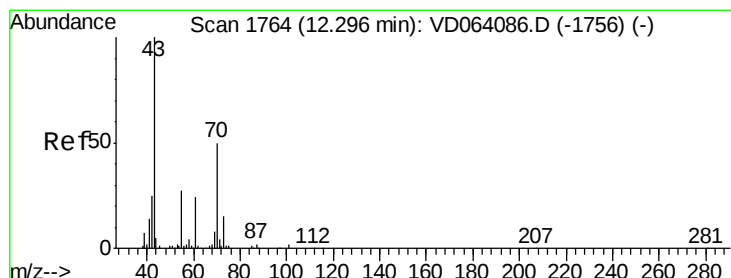
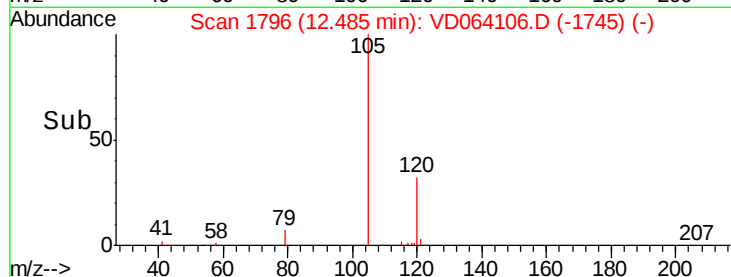
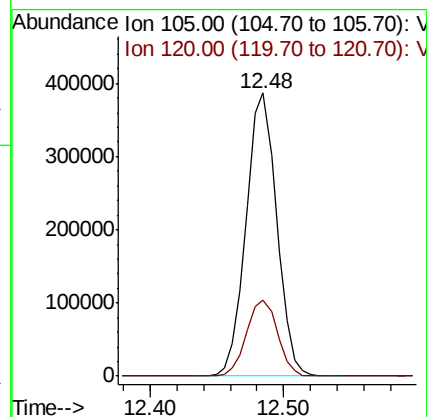
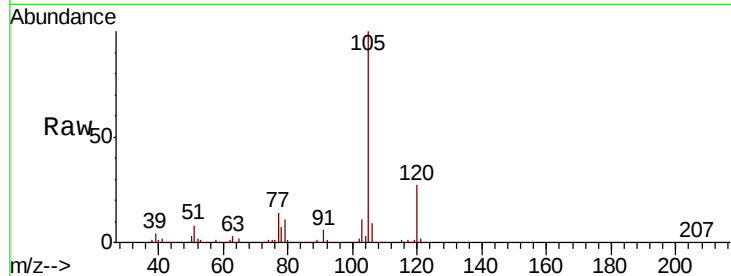
ClientSampleId :

Tot Ion:105 Resp: 611475

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



#74

N-ethyl acetate

Concen: 46.799 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Tgt Ion: 43 Resp: 101722

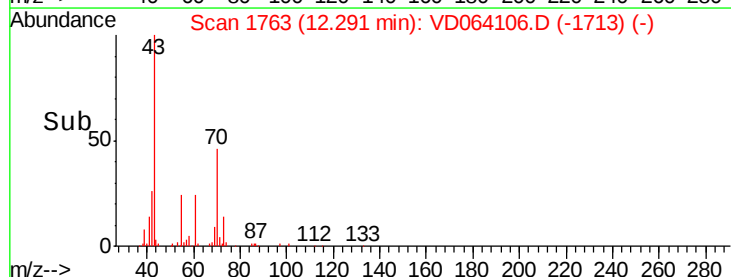
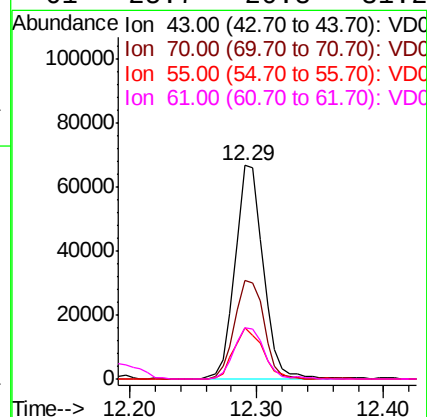
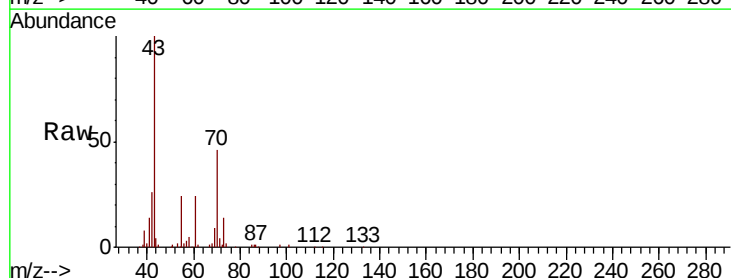
Ion Ratio Lower Upper

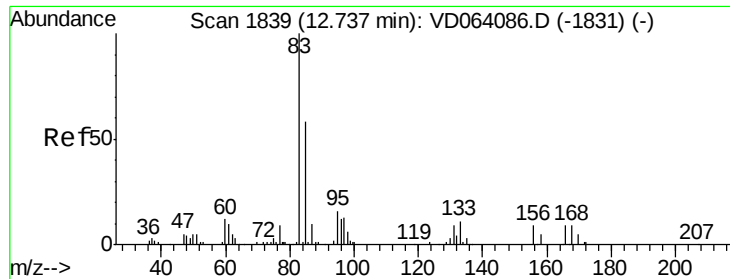
43 100

70 48.3 38.6 58.0

55 25.0 20.4 30.6

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.234 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

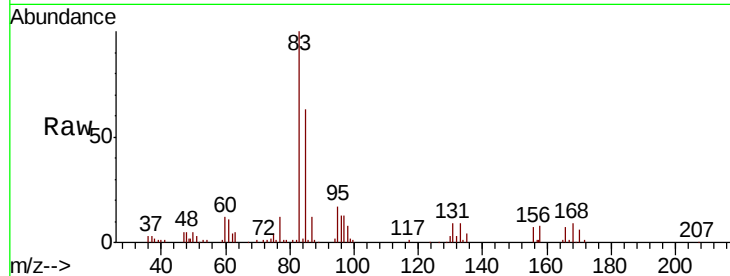
Tot Ion: 83 Resp: 93285

Ion Ratio Lower Upper

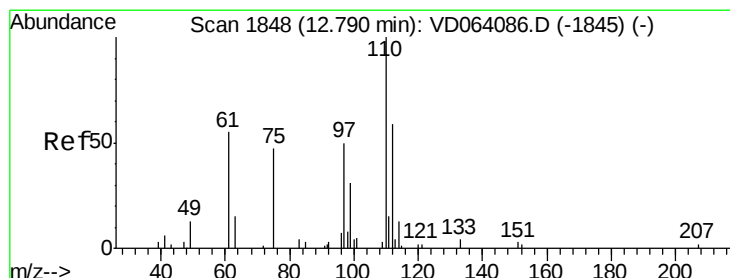
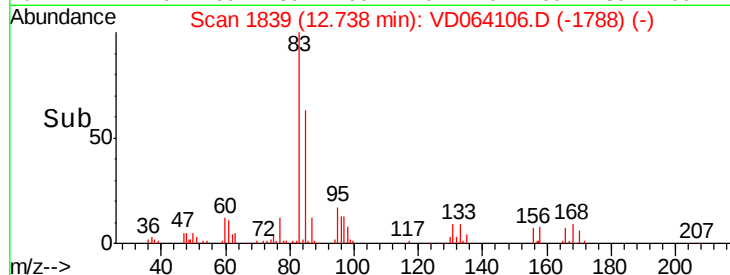
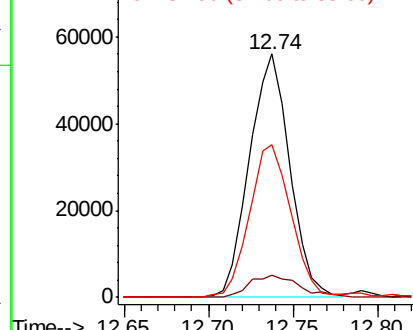
83 100

131 11.1 5.7 17.0

85 64.8 32.1 96.5



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: 93.858 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064106.D

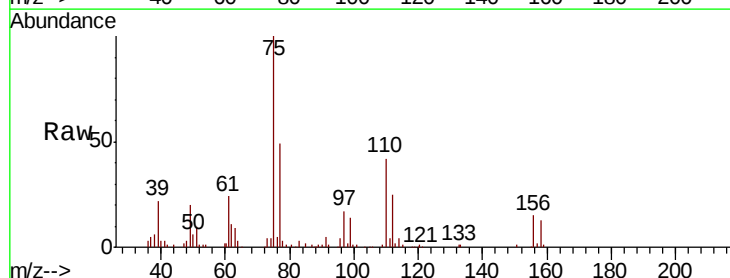
Acq: 29 Oct 2019 23:24

Tgt Ion: 75 Resp: 118743

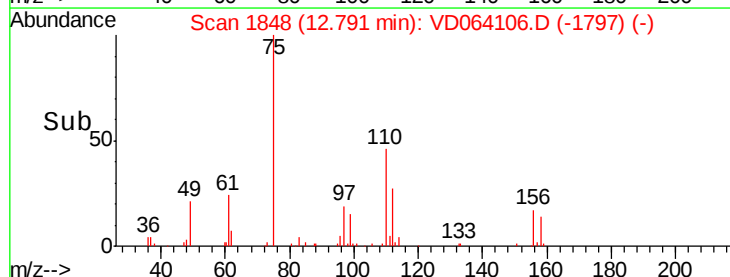
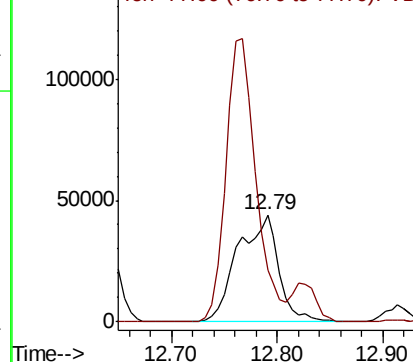
Ion Ratio Lower Upper

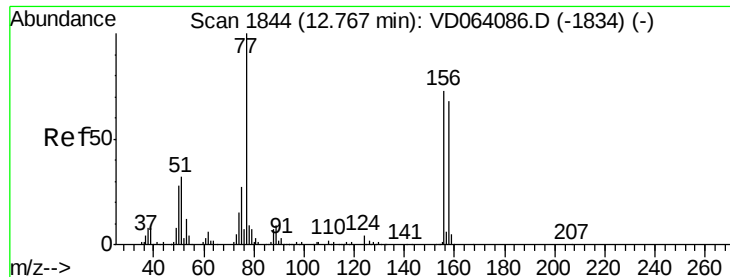
75 100

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: 48.306 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

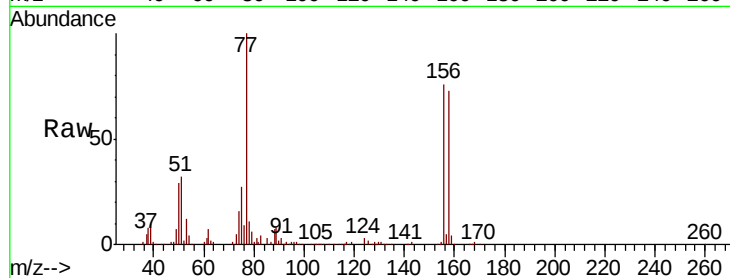
Tot Ion:156 Resp: 152597

Ion Ratio Lower Upper

156 100

77 150.6 76.0 228.0

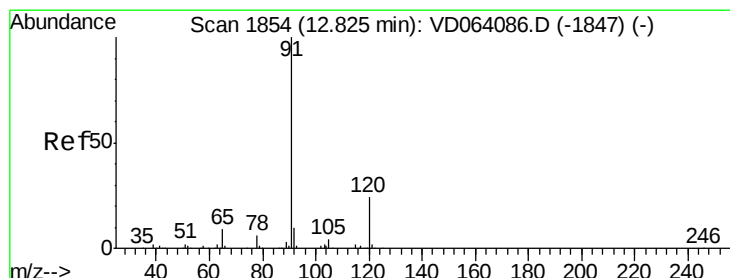
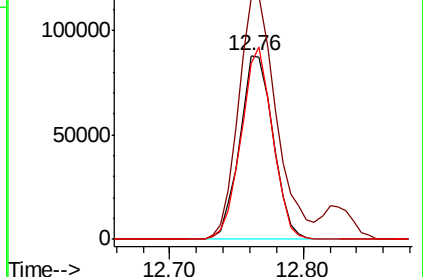
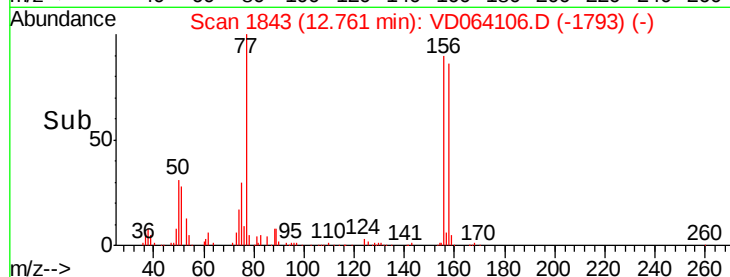
158 97.9 47.6 142.8



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: 46.639 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064106.D

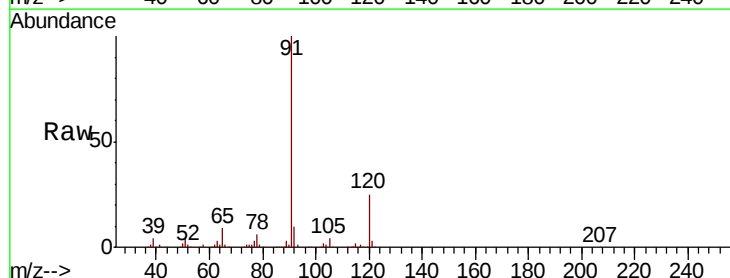
Acq: 29 Oct 2019 23:24

Tgt Ion: 91 Resp: 715105

Ion Ratio Lower Upper

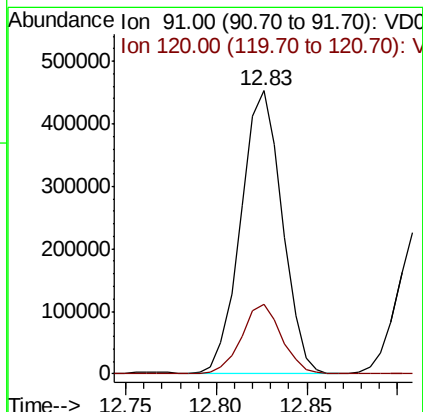
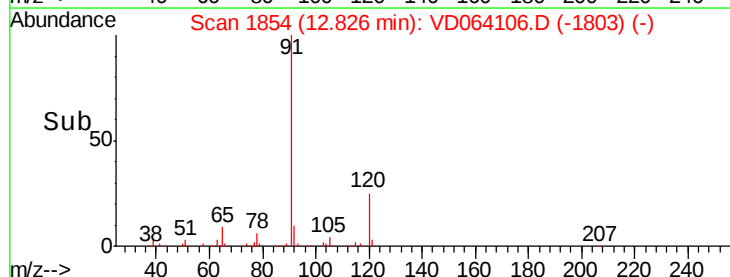
91 100

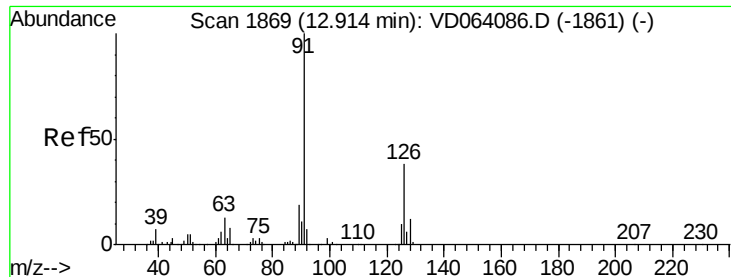
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

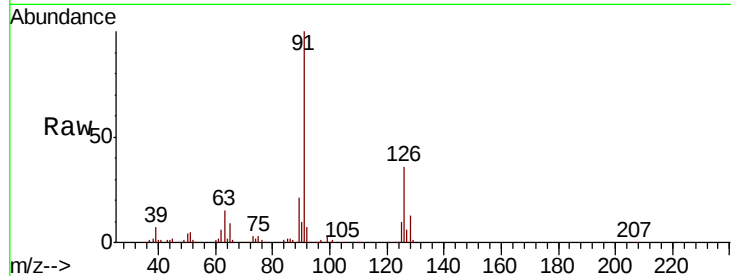




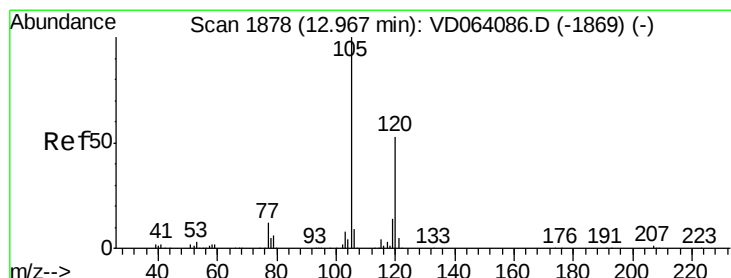
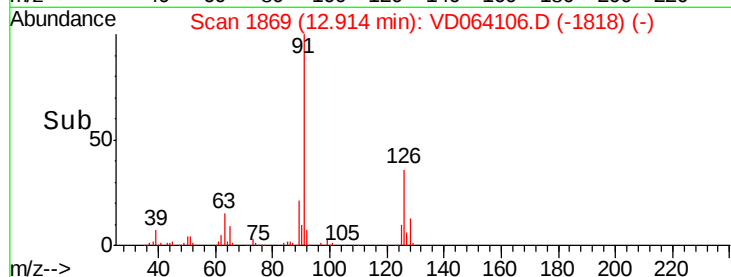
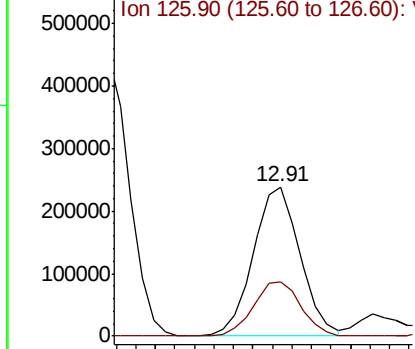
#79
 2-Chlorotoluene
 Concen: 47.976 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 394314
 Ion Ratio Lower Upper
 91 100
 126 37.4 19.1 57.1

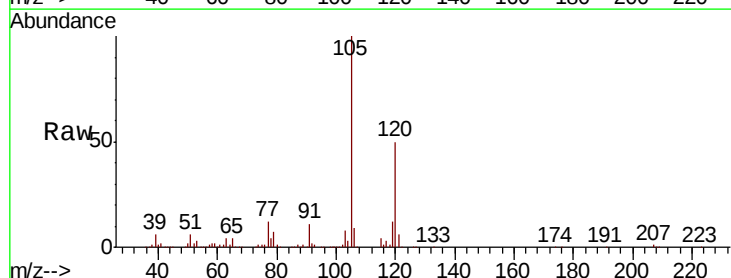


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

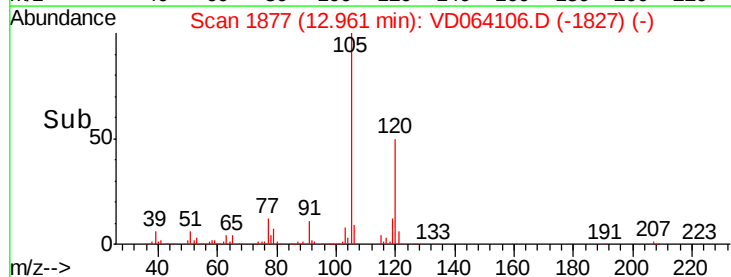
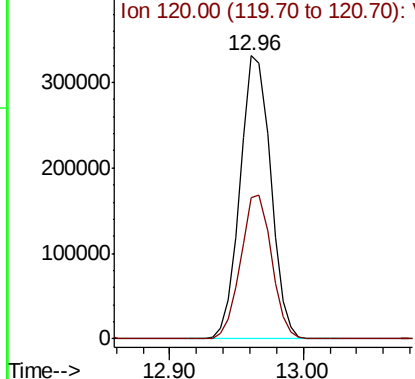


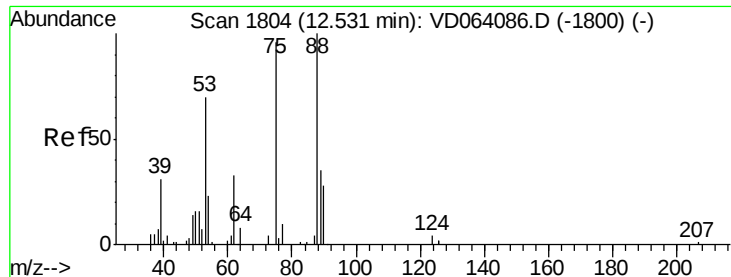
#80
 1,3,5-Trimethylbenzene
 Concen: 48.028 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Tgt Ion: 105 Resp: 525910
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.845 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

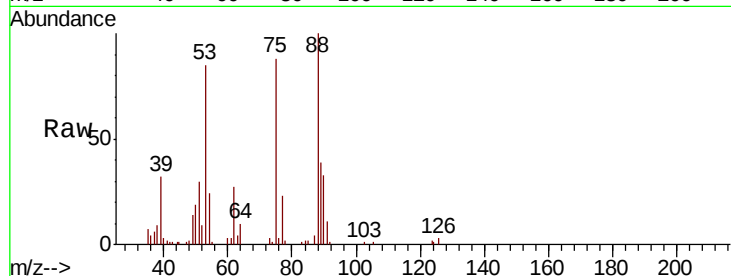
Tot Ion: 75 Resp: 30878

Ion Ratio Lower Upper

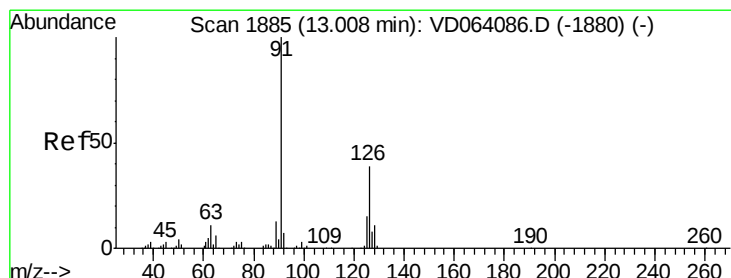
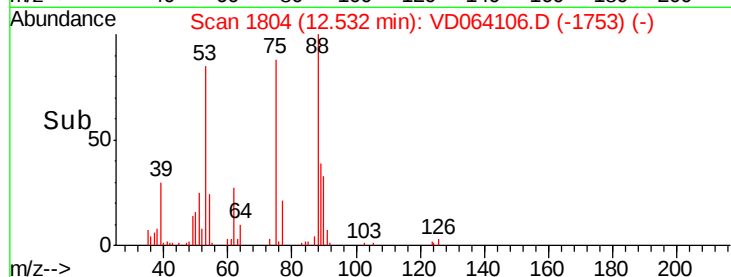
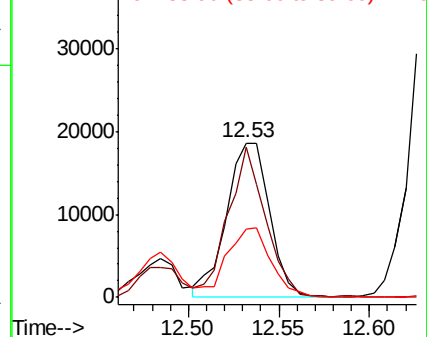
75 100

53 84.8 68.6 103.0

89 46.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.234 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064106.D

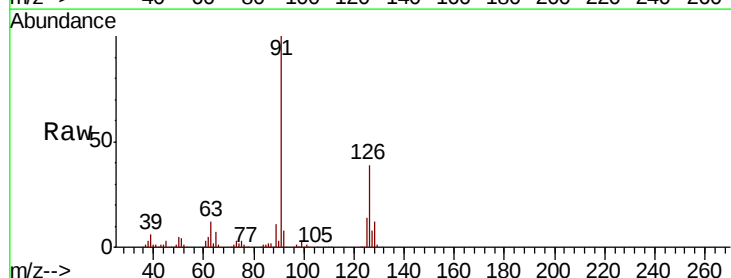
Acq: 29 Oct 2019 23:24

Tgt Ion: 91 Resp: 423607

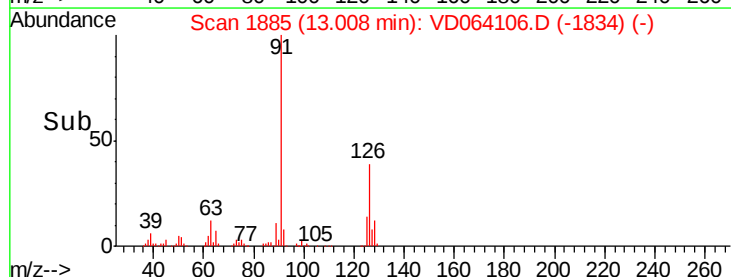
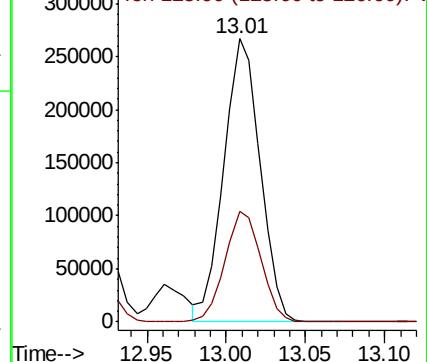
Ion Ratio Lower Upper

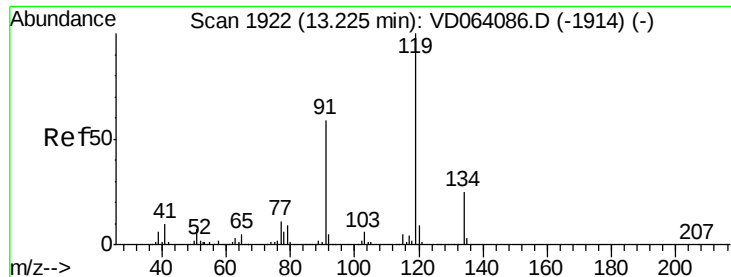
91 100

126 38.9 18.9 56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

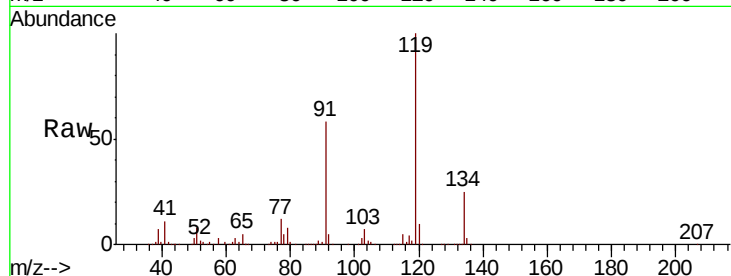




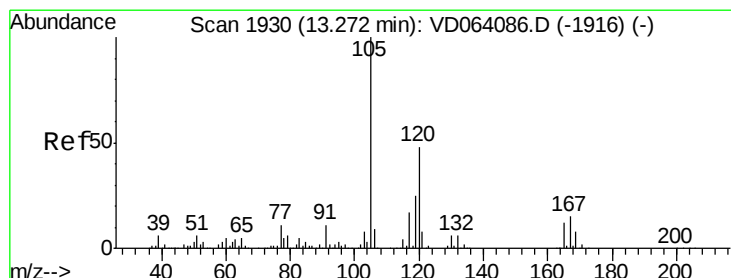
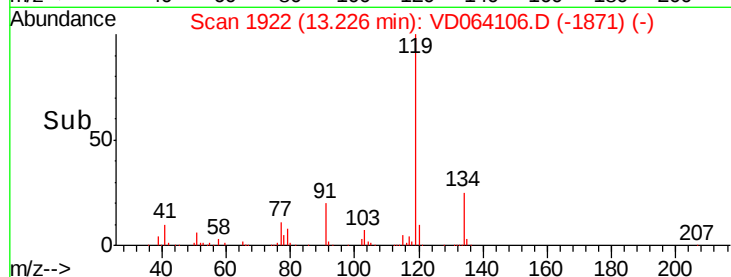
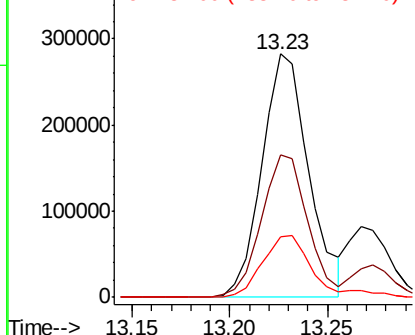
#83
tert-Butylbenzene
Concen: 47.791 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 470024
Ion Ratio Lower Upper
119 100
91 57.4 28.3 85.0
134 27.6 12.9 38.6

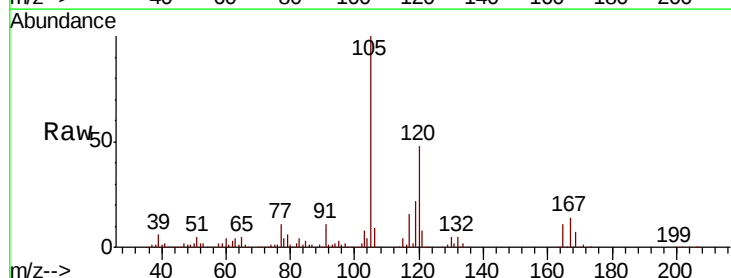


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

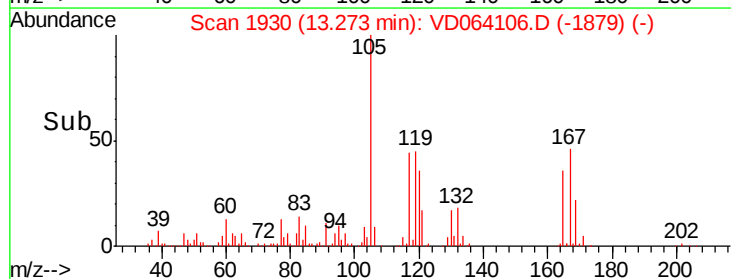
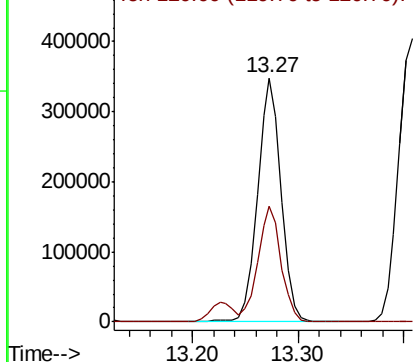


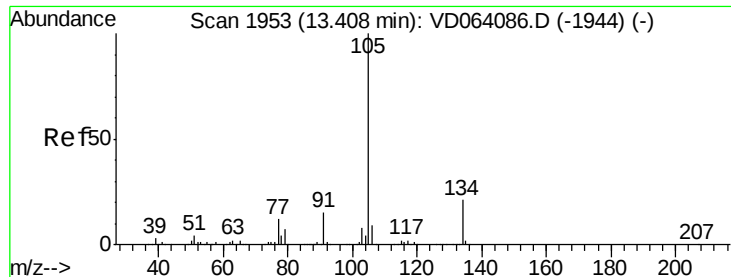
#84
1,2,4-Trimethylbenzene
Concen: 48.827 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:105 Resp: 537093
Ion Ratio Lower Upper
105 100
120 47.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.944 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

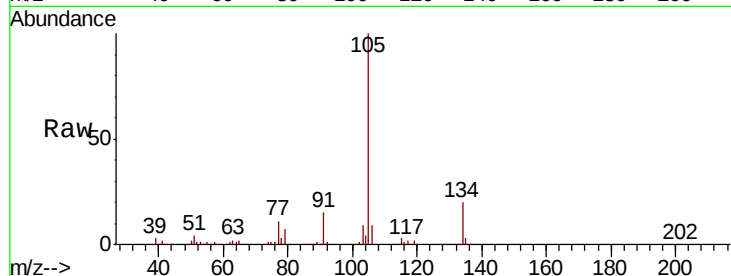
ClientSampleId :

Tot Ion:105 Resp: 634032

Ion Ratio Lower Upper

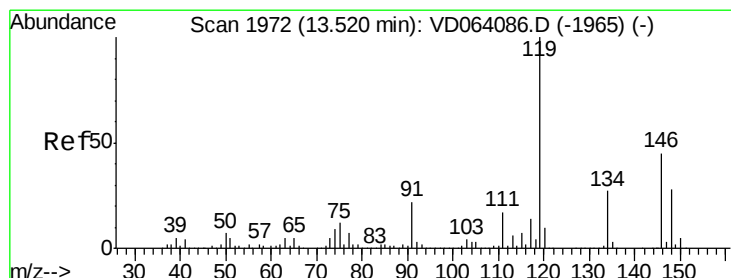
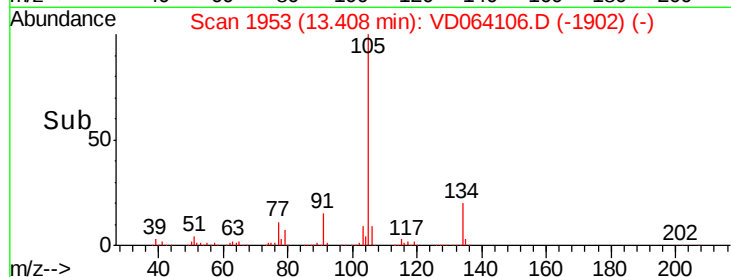
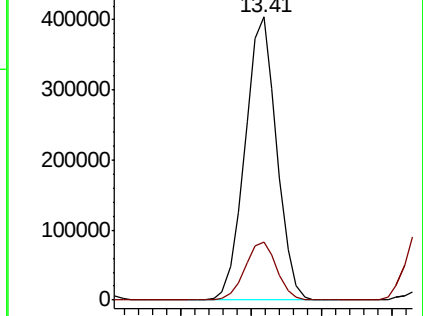
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.953 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

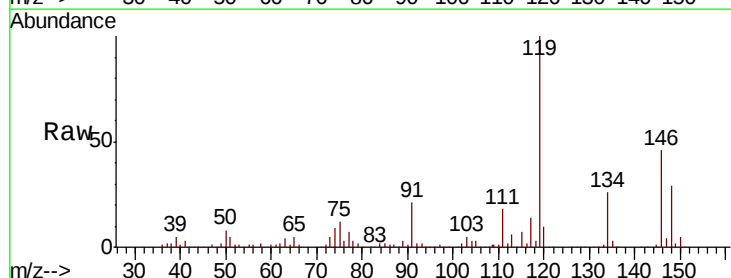
Tgt Ion:119 Resp: 621218

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

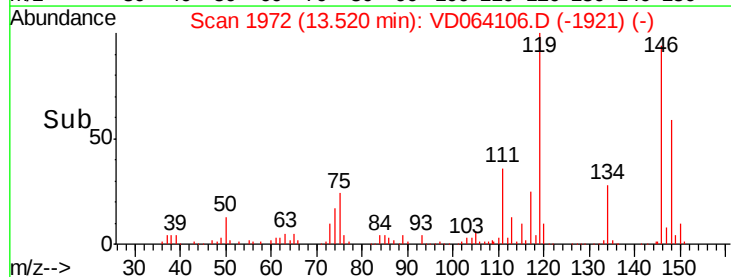
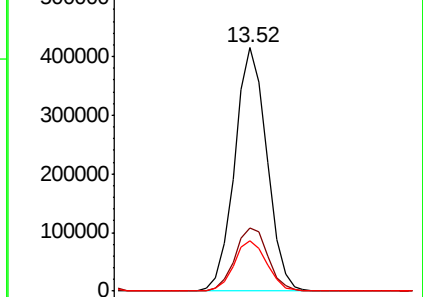
91 21.0 10.9 32.6

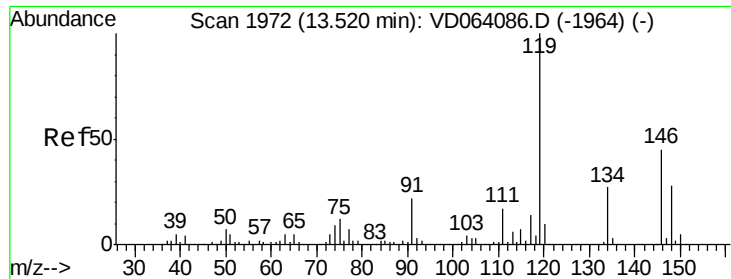


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

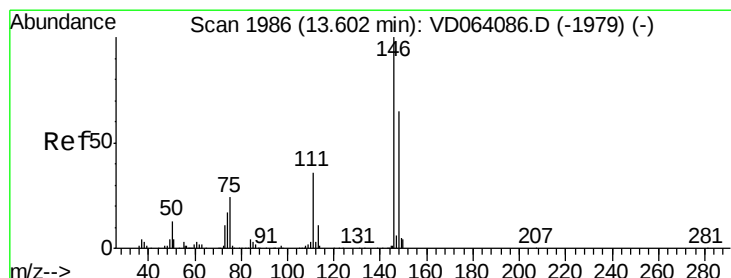
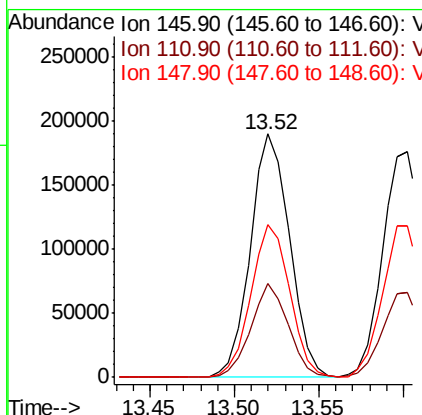
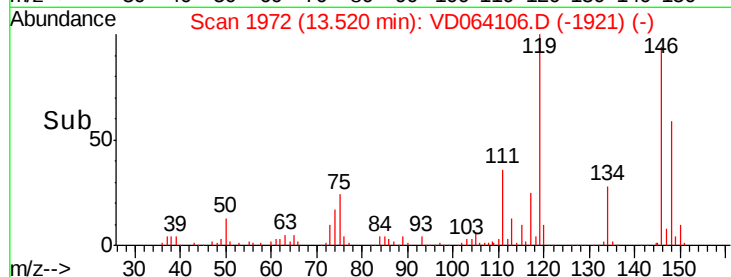
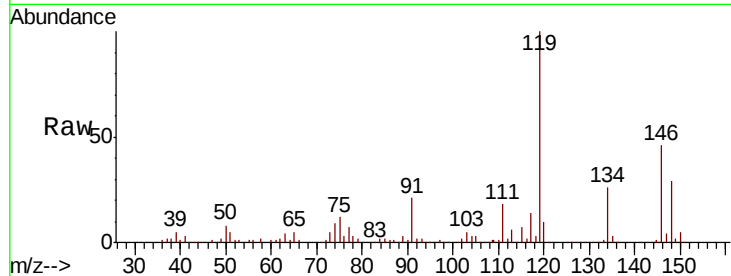




#87
 1,3-Dichlorobenzene
 Concen: 48.443 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

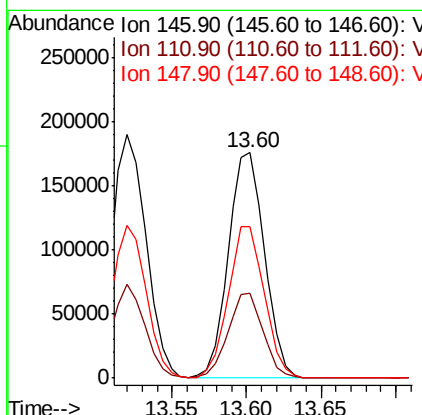
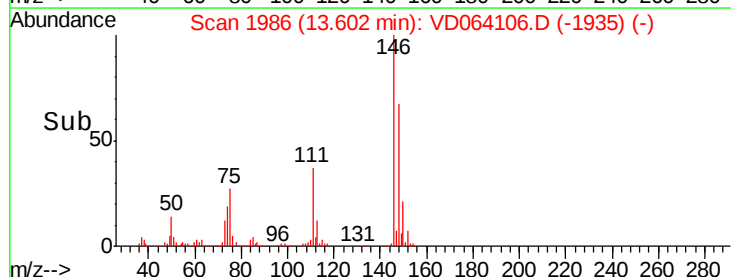
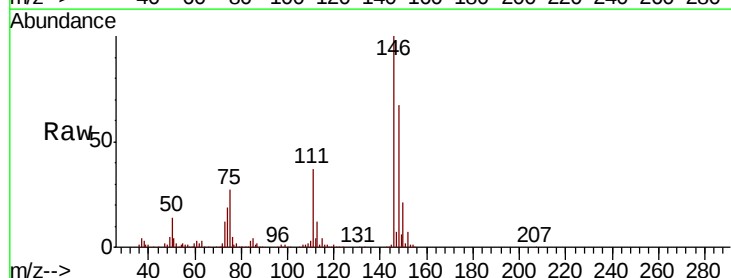
Instrument :
 MSVOA_D
 ClientSampleID :

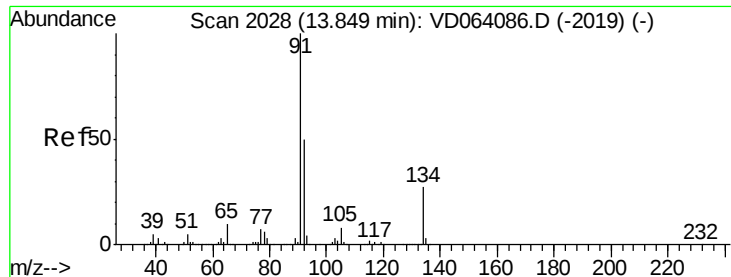
Tot Ion:146 Resp: 306666
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 62.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.675 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Tgt Ion:146 Resp: 297516
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.4
 148 67.3 32.4 97.0

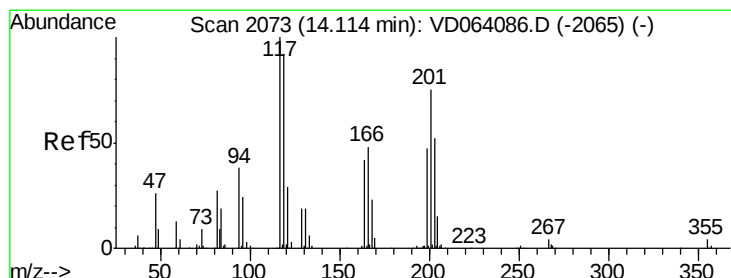
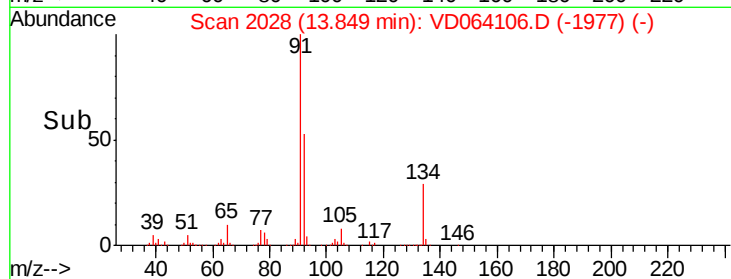
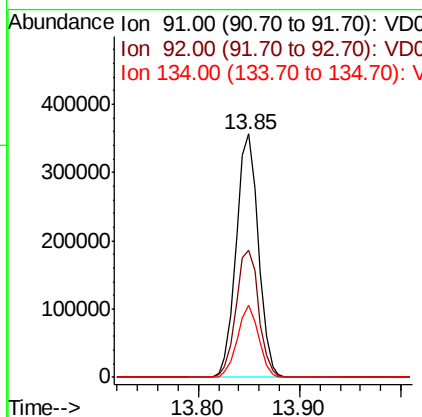
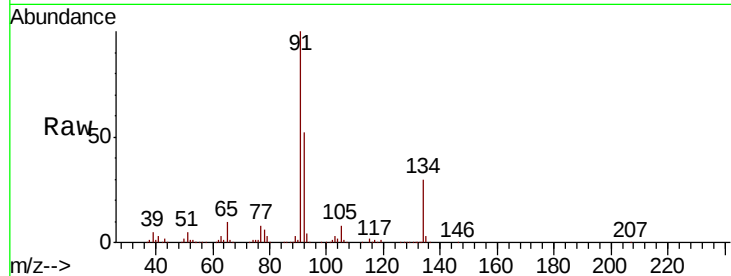




#89
n-Butylbenzene
Concen: 46.226 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

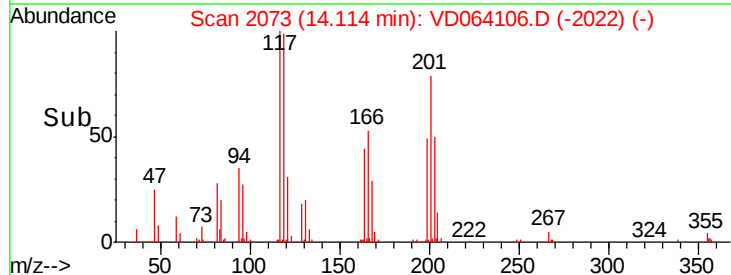
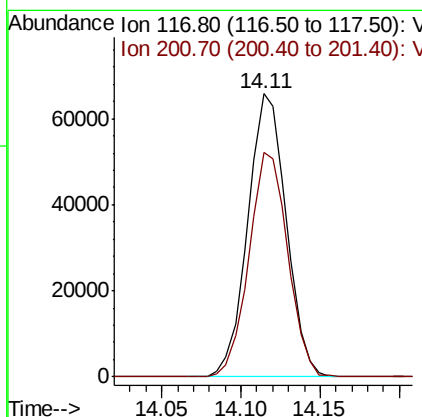
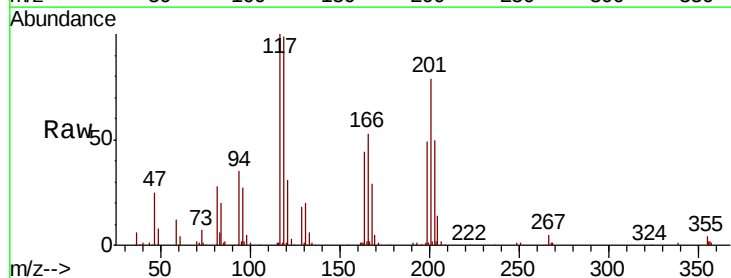
Instrument :
MSVOA_D
ClientSampleId :

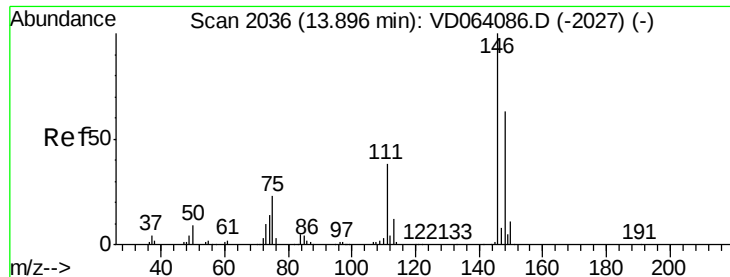
Tot Ion: 91 Resp: 541065
Ion Ratio Lower Upper
91 100
92 53.5 25.6 76.6
134 28.5 14.0 42.0



#90
Hexachloroethane
Concen: 46.795 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion: 117 Resp: 111179
Ion Ratio Lower Upper
117 100
201 79.7 38.4 115.2





#91

1,2-Dichlorobenzene

Concen: 49.632 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

Instrument :

MSVOA_D

ClientSampleId :

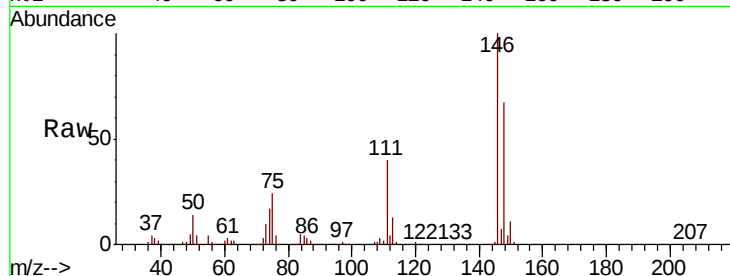
Tot Ion:146 Resp: 270400

Ion Ratio Lower Upper

146 100

111 37.3 19.1 57.1

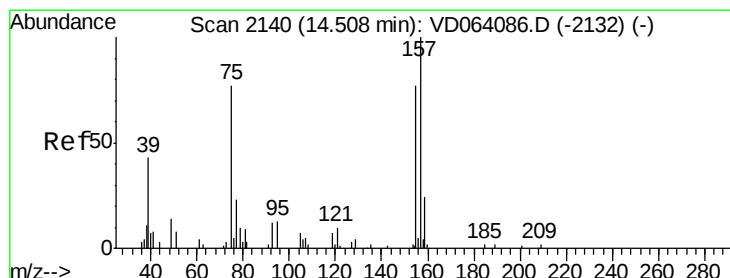
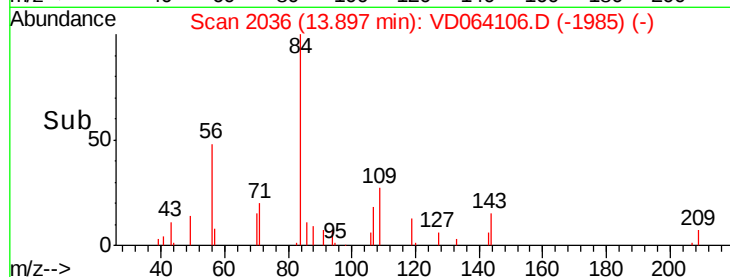
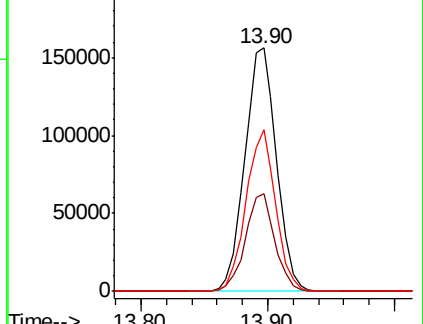
148 62.1 32.1 96.5



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: 49.611 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064106.D

Acq: 29 Oct 2019 23:24

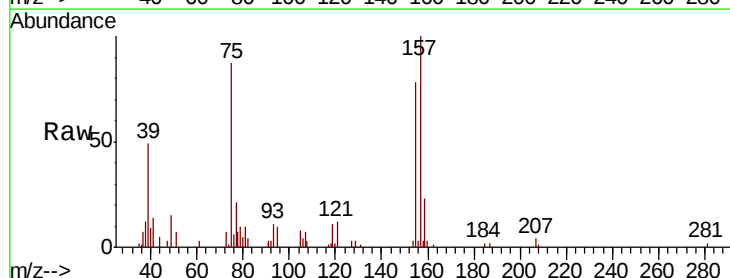
Tgt Ion: 75 Resp: 14942

Ion Ratio Lower Upper

75 100

155 96.1 56.3 168.9

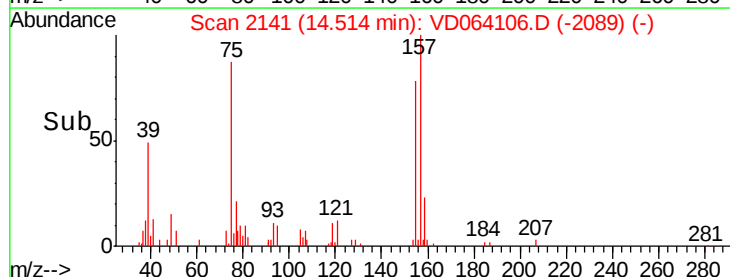
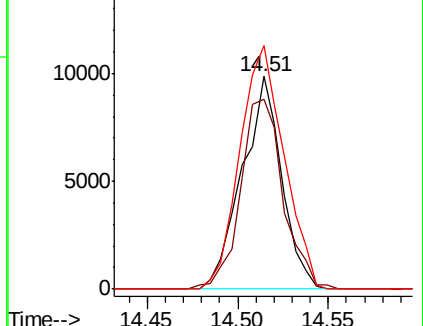
157 128.3 72.2 216.6

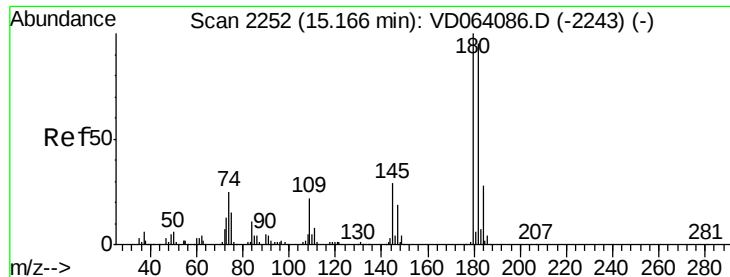


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

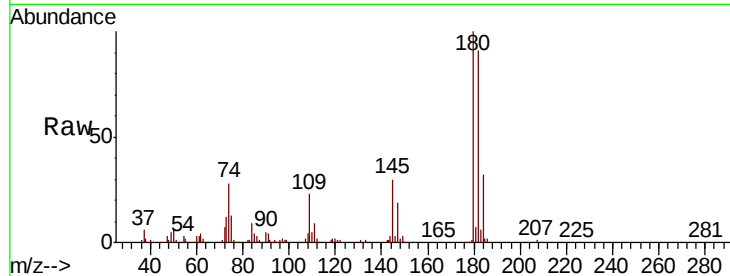




#93
 1,2,4-Trichlorobenzene
 Concen: 47.870 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.9	140.7
145	29.1	14.2	42.6

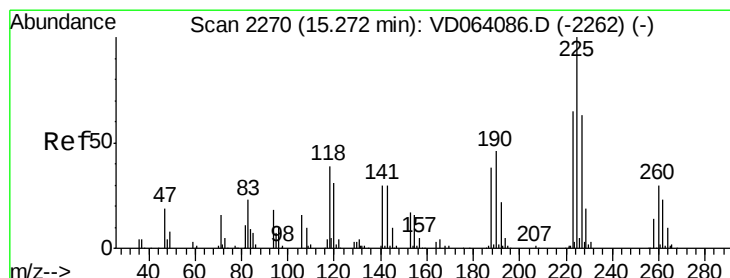
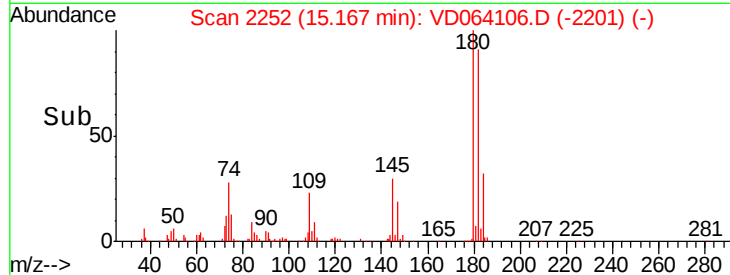
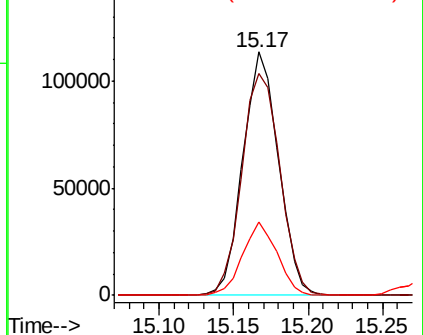


Abundance

Ion 179.80 (179.50 to 180.50): V

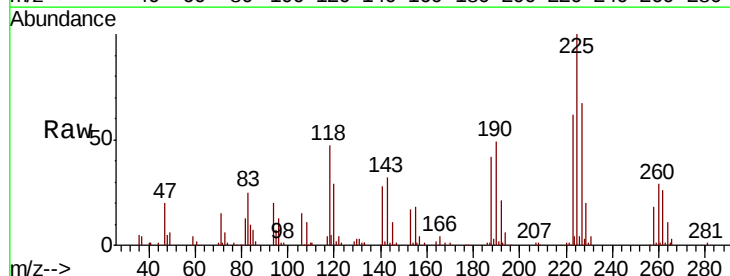
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.182 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064106.D
 Acq: 29 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.8	92.3
227	65.2	31.7	95.1

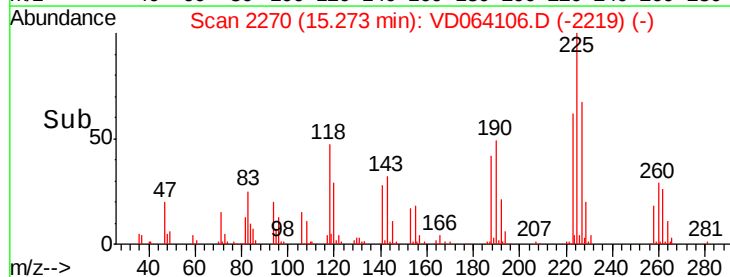
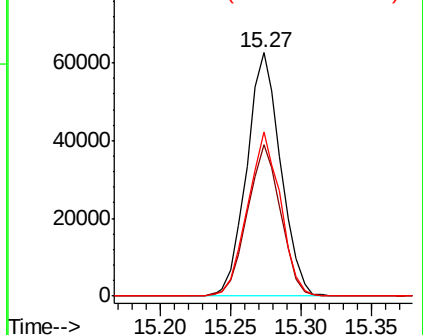


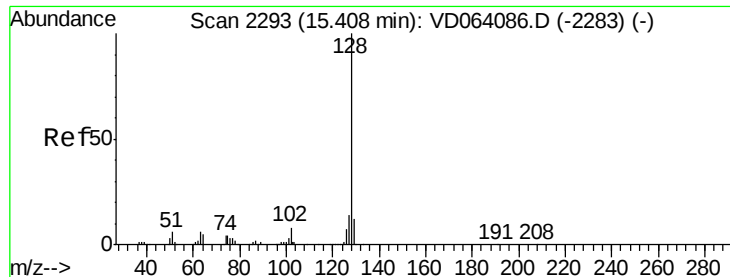
Abundance

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

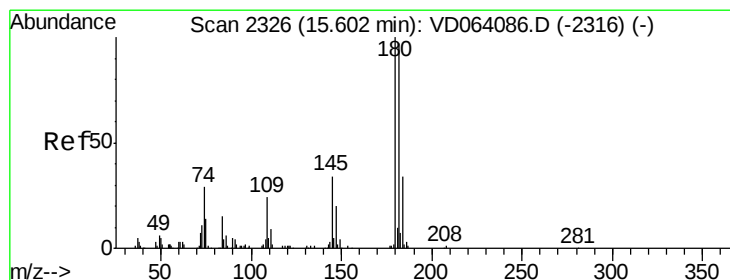
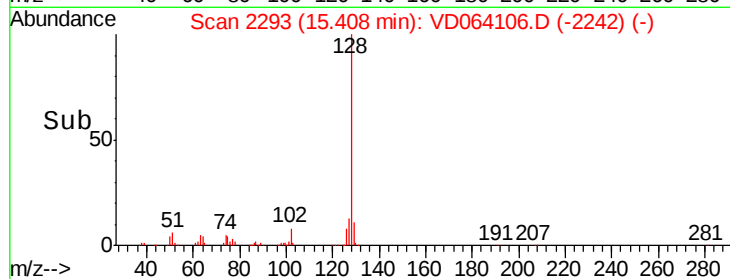
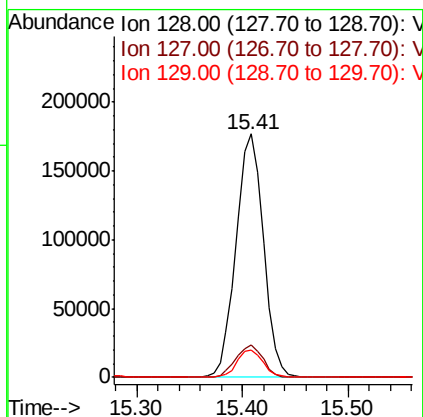
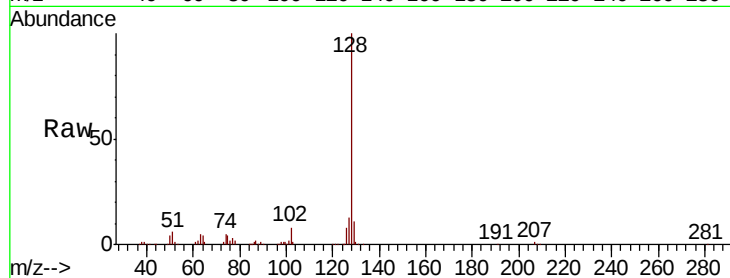




#95
Naphthalene
Concen: 49.647 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 317090
Ion Ratio Lower Upper
128 100
127 13.2 10.9 16.3
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.188 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064106.D
Acq: 29 Oct 2019 23:24

Tgt Ion:180 Resp: 160068
Ion Ratio Lower Upper
180 100
182 99.0 48.4 145.0
145 30.7 16.4 49.4

