

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064938.D
 Acq On : 24 Jan 2020 12:51
 Operator : VA/SY
 Sample : VD0124SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:37:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206759	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.92	113	203508	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	780013	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.64	95	240574	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68217	20.178	ug/l	99
3) Chloromethane	2.21	50	105079	21.207	ug/l	97
4) Vinyl Chloride	2.35	62	117359	20.622	ug/l	96
5) Bromomethane	2.76	94	76301	19.931	ug/l	97
6) Chloroethane	2.92	64	75594	20.148	ug/l	97
7) Trichlorofluoromethane	3.27	101	181490	20.649	ug/l	97
8) Diethyl Ether	3.71	74	38823	19.567	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	83371	20.389	ug/l	98
10) Methyl Iodide	4.29	142	70105	16.151	ug/l	96
11) Tert butyl alcohol	5.25	59	19840	83.404	ug/l	98
12) 1,1-Dichloroethene	4.06	96	77709	19.893	ug/l	90
13) Acrolein	3.92	56	25923	86.930	ug/l	96
14) Allyl chloride	4.71	41	122897	19.725	ug/l	99
15) Acrylonitrile	5.43	53	81690	95.075	ug/l	96
16) Acetone	4.17	43	78414	77.972	ug/l	100
17) Carbon Disulfide	4.40	76	258218	20.085	ug/l	97
18) Methyl Acetate	4.73	43	38757	19.224	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	163796	18.766	ug/l	95
20) Methylene Chloride	4.96	84	93490	18.274	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	89820	19.957	ug/l	92
22) Diisopropyl ether	6.37	45	248422	20.007	ug/l	98
23) Vinyl Acetate	6.31	43	668691	91.982	ug/l	100
24) 1,1-Dichloroethane	6.26	63	152125	19.955	ug/l	97
25) 2-Butanone	7.22	43	101685	87.436	ug/l	99
26) 2,2-Dichloropropane	7.20	77	134562	19.459	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	92440	19.243	ug/l	98
28) Bromochloromethane	7.54	49	50641	16.610	ug/l	97
29) Tetrahydrofuran	7.57	42	63545	88.558	ug/l	97
30) Chloroform	7.71	83	159018	20.178	ug/l	97
31) Cyclohexane	7.98	56	147769	19.703	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	149531	20.396	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127559	19.891	ug/l	98
37) Ethyl Acetate	7.30	43	47395	17.892	ug/l	98
38) Carbon Tetrachloride	8.10	117	133769	19.735	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	145205	19.367	ug/l	95
40) Benzene	8.35	78	340091	19.255	ug/l	99
41) Methacrylonitrile	7.53	41	27458	19.242	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	100762	19.152	ug/l	100
43) Isopropyl Acetate	8.46	43	90103	17.907	ug/l	97
44) Trichloroethene	9.11	130	96651	19.553	ug/l	100
45) 1,2-Dichloropropane	9.39	63	84806	19.806	ug/l	94
46) Dibromomethane	9.48	93	44887	19.202	ug/l	97
47) Bromodichloromethane	9.67	83	121054	19.901	ug/l	99
48) Methyl methacrylate	9.46	41	43700	18.873	ug/l	97
49) 1,4-Dioxane	9.47	88	10016	369.436	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	222847	88.512	ug/l	100
52) Toluene	10.41	92	223040	19.587	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	109168	18.841	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	131235	19.345	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59072	18.760	ug/l	99
56) Ethyl methacrylate	10.67	69	68347	18.151	ug/l	97
57) 1,3-Dichloropropane	10.95	76	105231	19.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	112759	90.138	ug/l	99
59) 2-Hexanone	10.99	43	153763	88.541	ug/l	98
60) Dibromochloromethane	11.14	129	80207	19.058	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57971	19.120	ug/l	98
64) Tetrachloroethene	10.88	164	85898	20.165	ug/l	97
65) Chlorobenzene	11.67	112	233274	19.490	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	88968	19.765	ug/l	99
67) Ethyl Benzene	11.75	91	420862	19.806	ug/l	97
68) m/p-Xylenes	11.86	106	320706	39.200	ug/l	98
69) o-Xylene	12.18	106	141592	19.500	ug/l	100
70) Styrene	12.20	104	255353	19.742	ug/l	99
71) Bromoform	12.37	173	47526	18.994	ug/l #	97
73) Isopropylbenzene	12.48	105	395397	20.456	ug/l	99
74) N-amyl acetate	12.30	43	82215	19.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61344	18.882	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	86505	36.853	ug/l #	100
77) Bromobenzene	12.77	156	97270	20.567	ug/l	97
78) n-propylbenzene	12.83	91	469691	20.433	ug/l	100
79) 2-Chlorotoluene	12.91	91	256468	20.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	326364	20.603	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19752	17.967	ug/l	97
82) 4-Chlorotoluene	13.01	91	268855	20.103	ug/l	100
83) tert-Butylbenzene	13.23	119	272757	20.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	327271	20.395	ug/l	100
85) sec-Butylbenzene	13.41	105	386746	20.319	ug/l	100
86) p-Isopropyltoluene	13.53	119	363193	20.392	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	183521	20.224	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185713	20.620	ug/l	99
89) n-Butylbenzene	13.86	91	333986	20.548	ug/l	100
90) Hexachloroethane	14.12	117	70355	20.484	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153801	19.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10582	20.354	ug/l	91

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

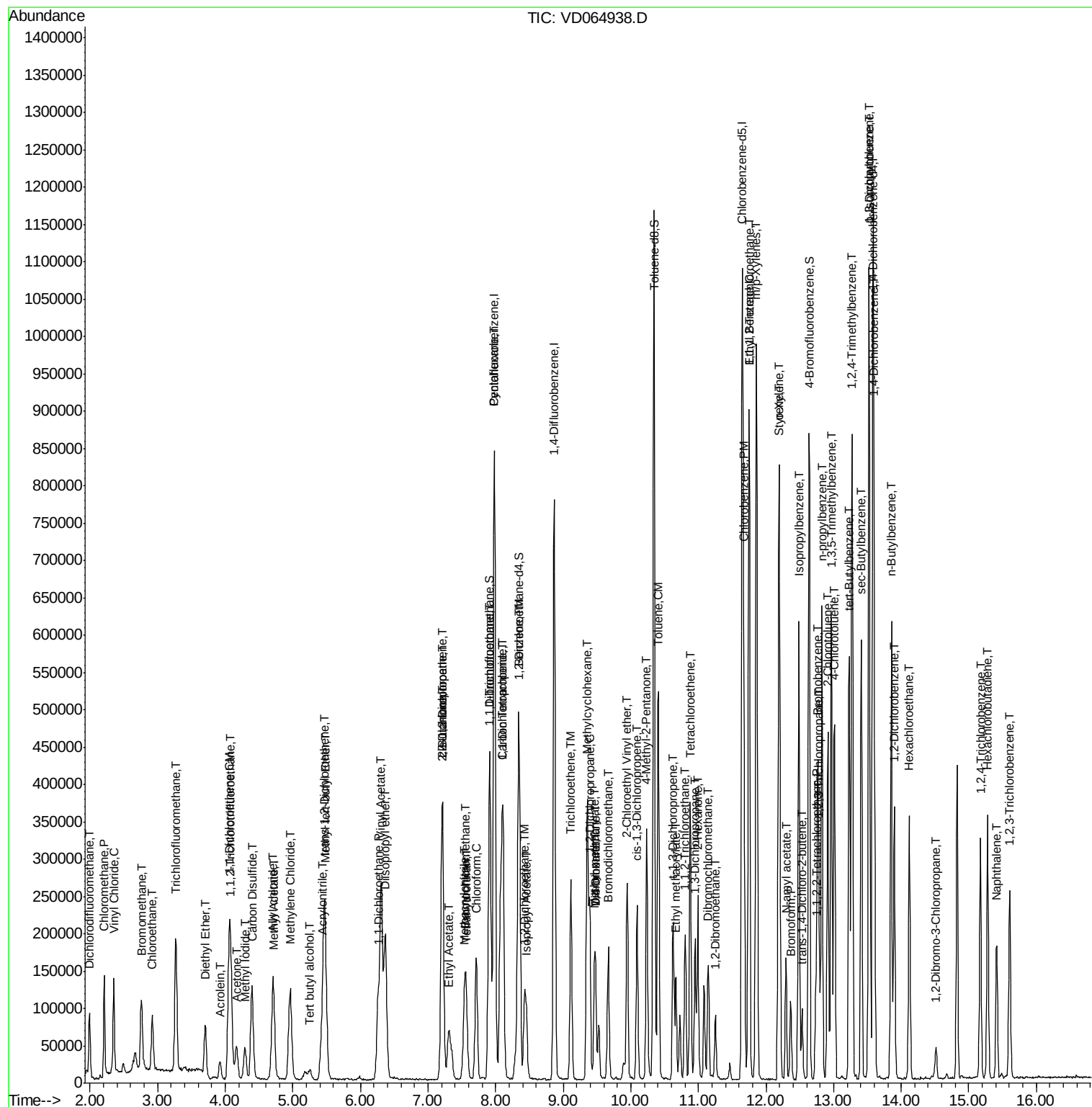
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110680	20.767	ug/l	98
94) Hexachlorobutadiene	15.28	225	66707	19.788	ug/l	99
95) Naphthalene	15.41	128	159080	18.495	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	90742	19.637	ug/l	99

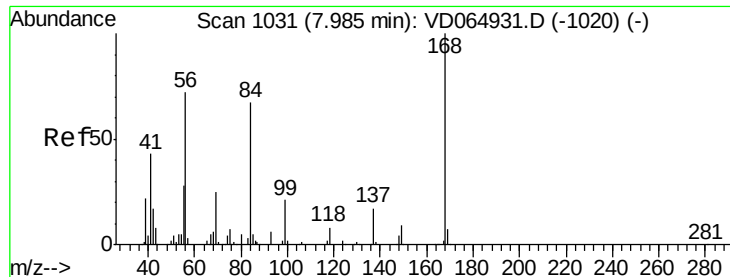
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

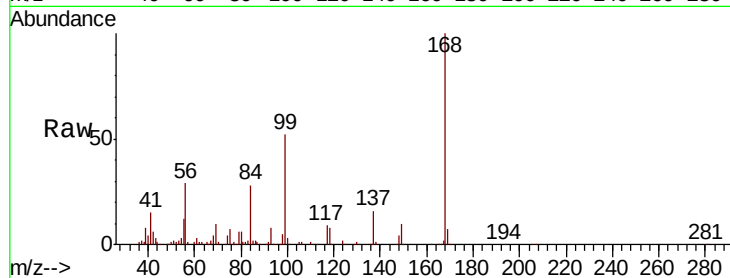
ClientSampleId :

Tot Ion:168 Resp: 448767

Ion Ratio Lower Upper

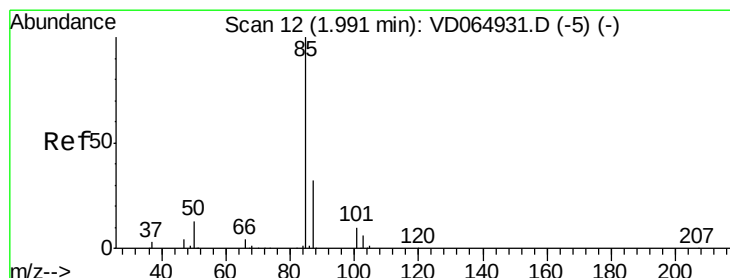
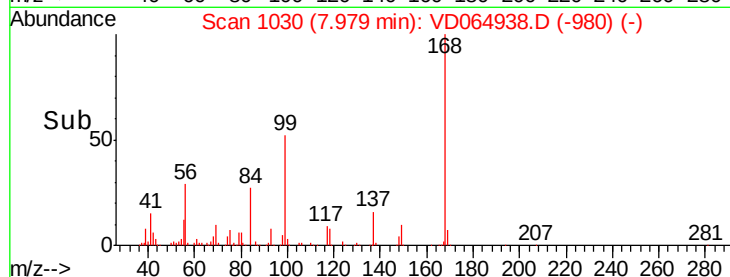
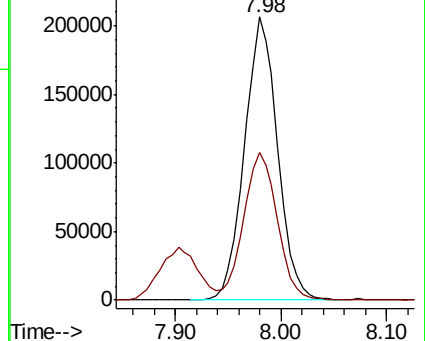
168 100

99 51.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.178 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064938.D

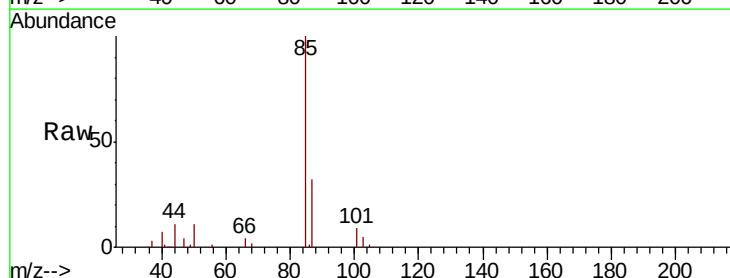
Acq: 24 Jan 2020 12:51

Tgt Ion: 85 Resp: 68217

Ion Ratio Lower Upper

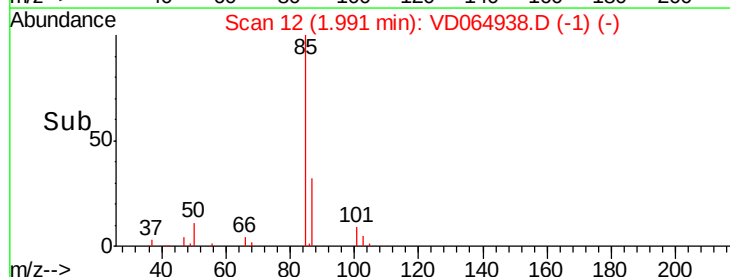
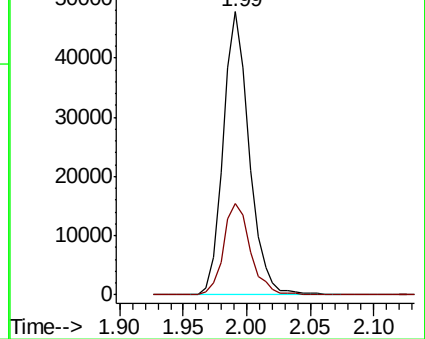
85 100

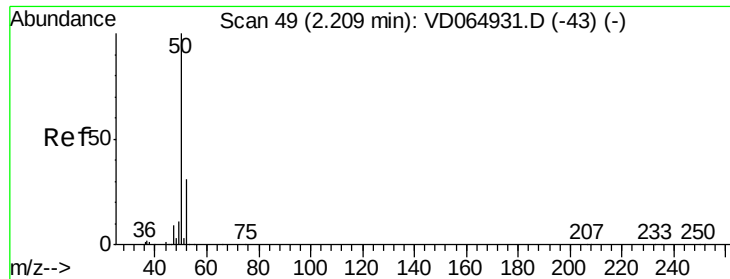
87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.207 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

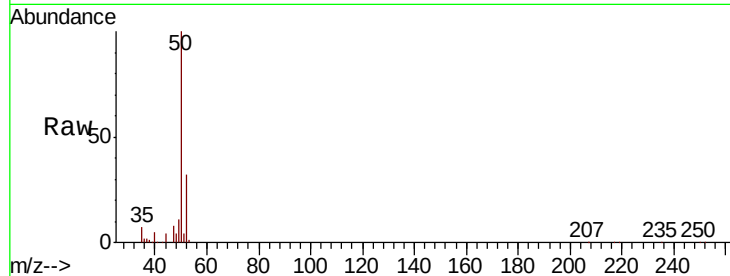
ClientSampleId :

Tot Ion: 50 Resp: 105079

Ion Ratio Lower Upper

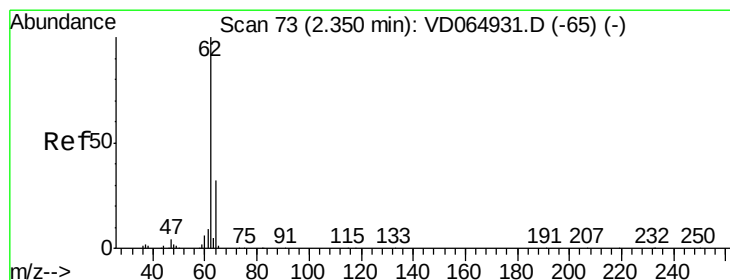
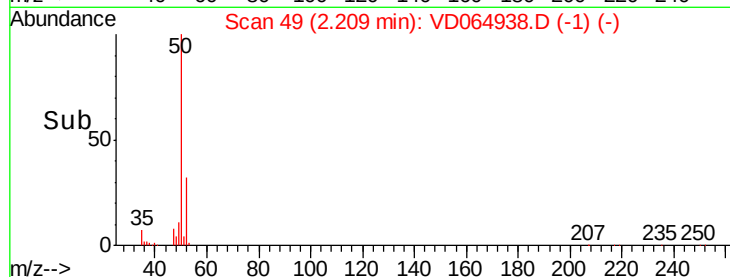
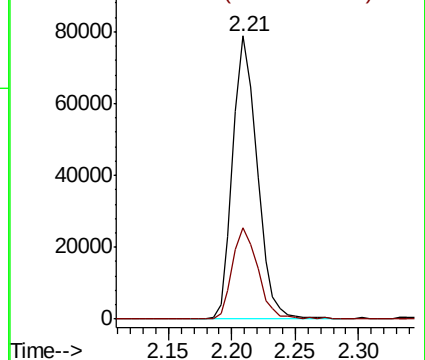
50 100

52 32.3 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.622 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064938.D

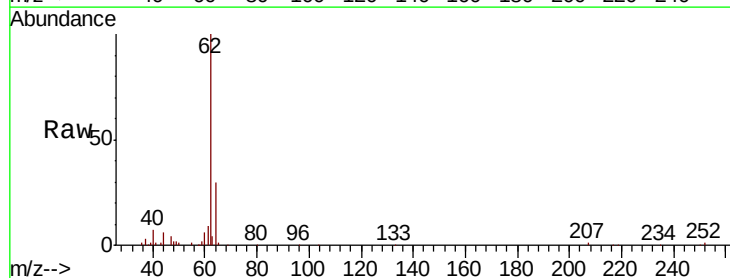
Acq: 24 Jan 2020 12:51

Tgt Ion: 62 Resp: 117359

Ion Ratio Lower Upper

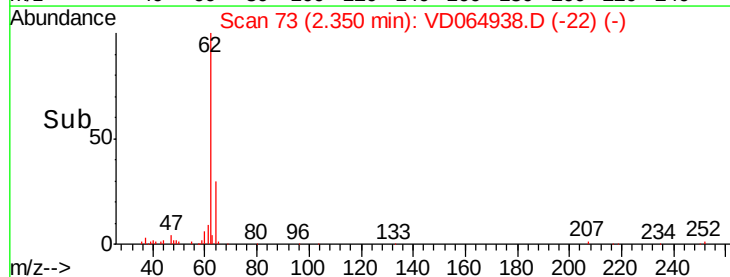
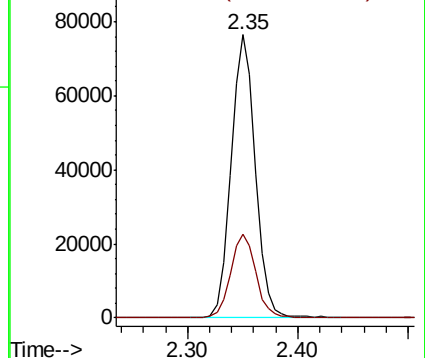
62 100

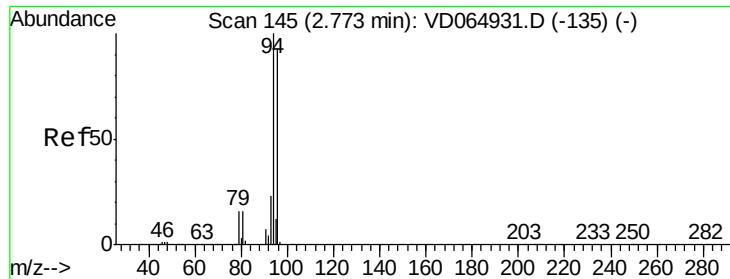
64 29.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.931 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

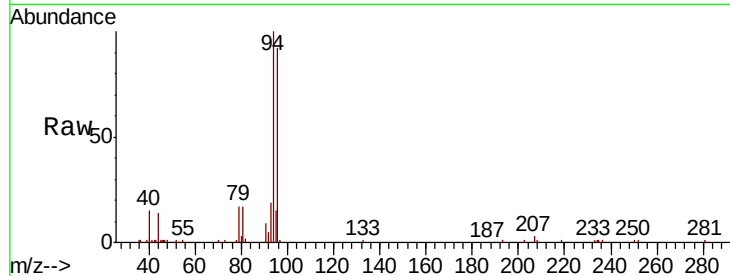
ClientSampled :

Tot Ion: 94 Resp: 76301

Ion Ratio Lower Upper

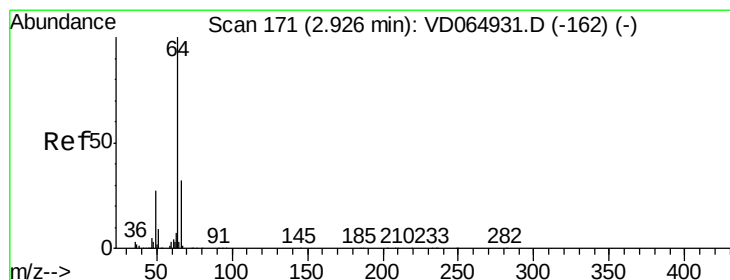
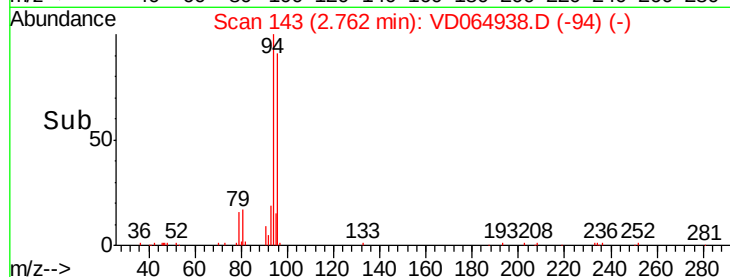
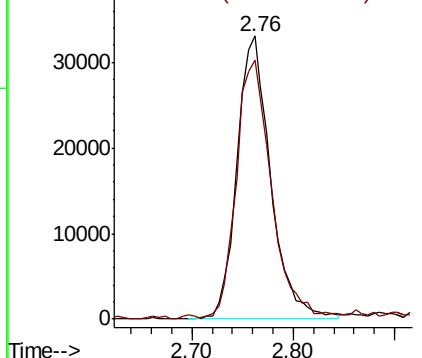
94 100

96 90.1 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.148 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064938.D

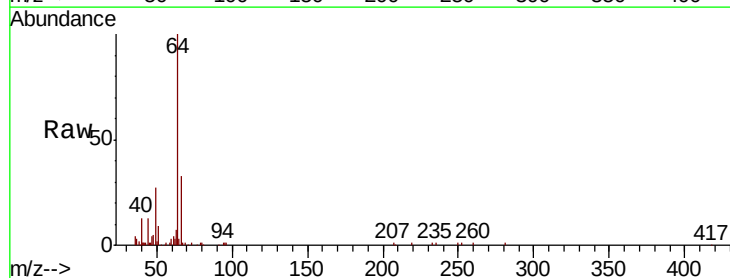
Acq: 24 Jan 2020 12:51

Tgt Ion: 64 Resp: 75594

Ion Ratio Lower Upper

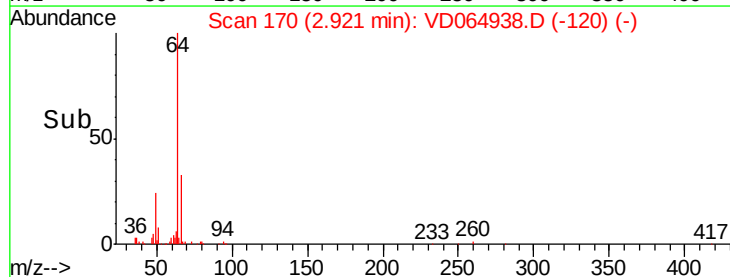
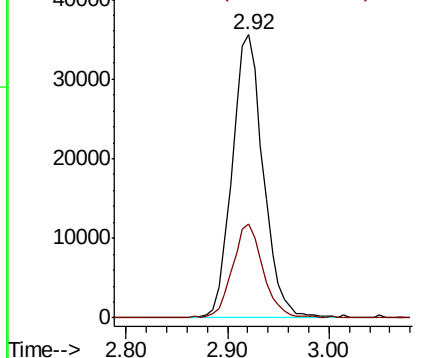
64 100

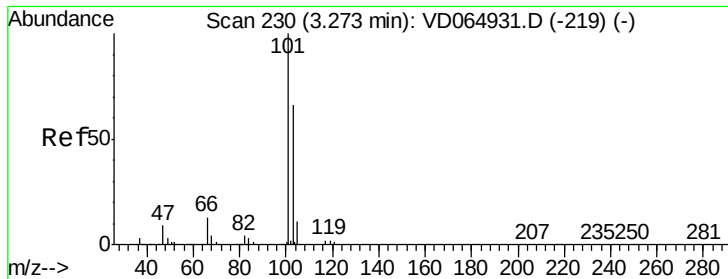
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



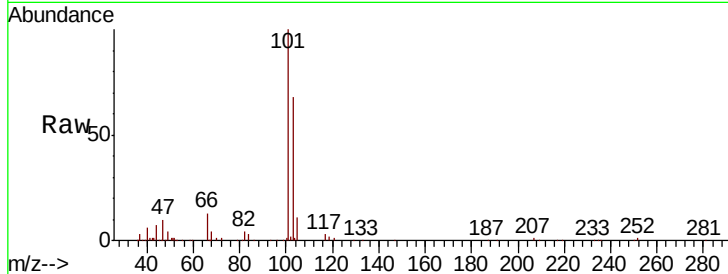


#7

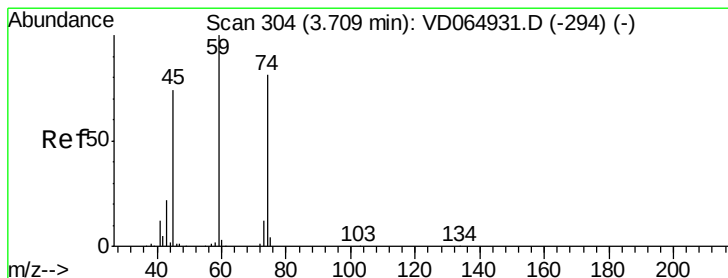
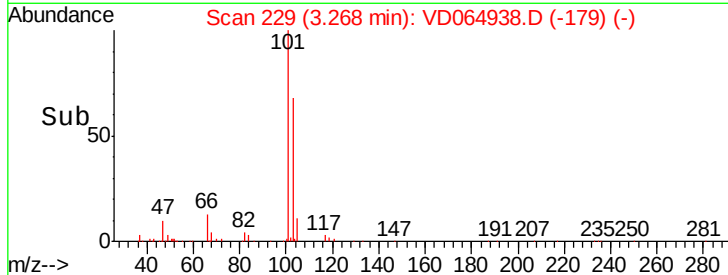
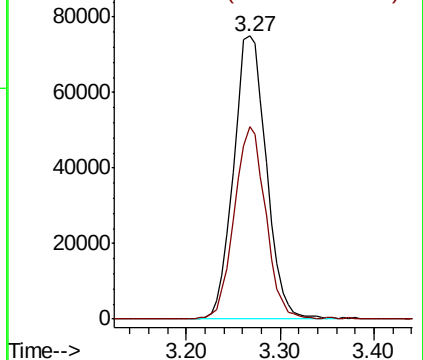
Trichlorofluoromethane
Concen: 20.649 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 181490
Ion Ratio Lower Upper
101 100
103 67.9 52.5 78.7



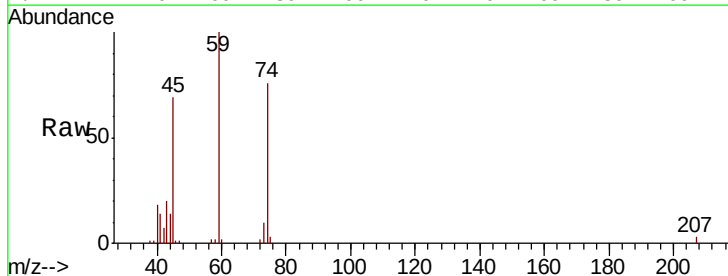
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



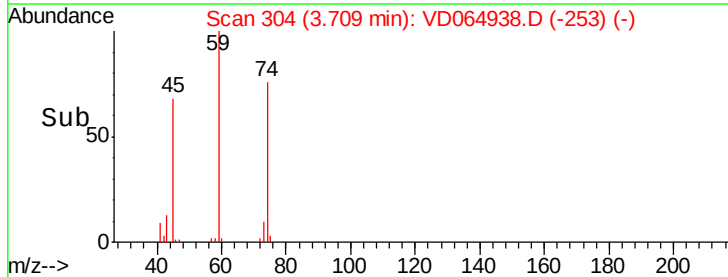
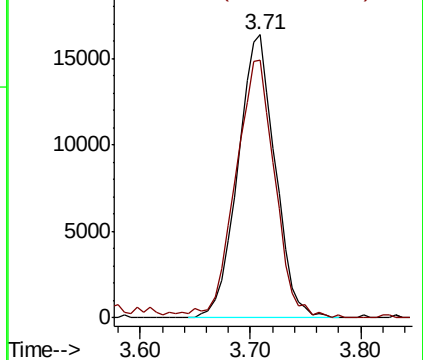
#8

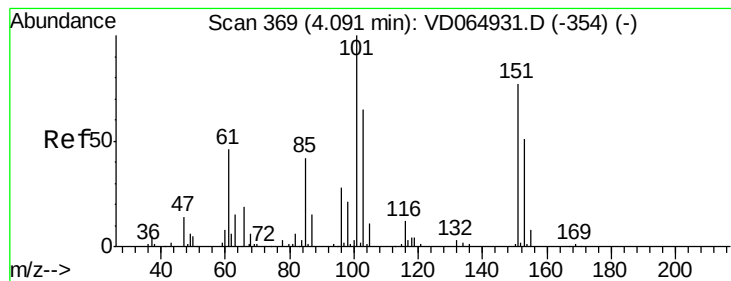
Diethyl Ether
Concen: 19.567 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 74 Resp: 38823
Ion Ratio Lower Upper
74 100
45 96.0 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.389 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064938.D

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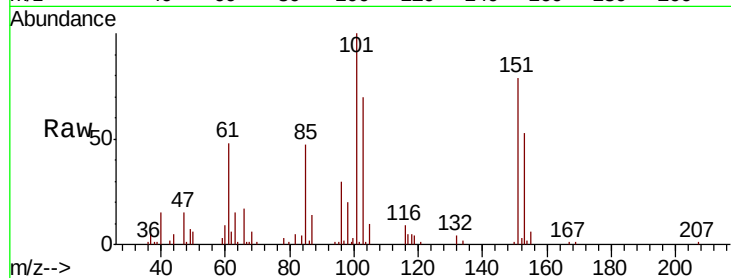
Tot Ion:101 Resp: 83371

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.4

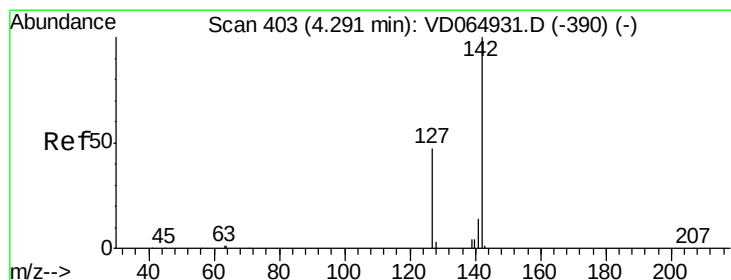
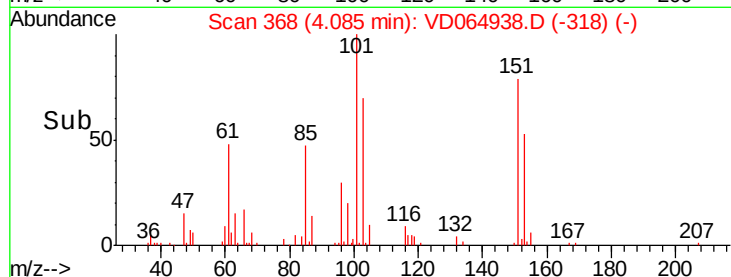
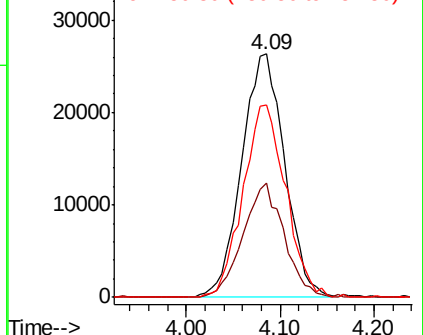
151 78.7 64.6 96.8



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: 16.151 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

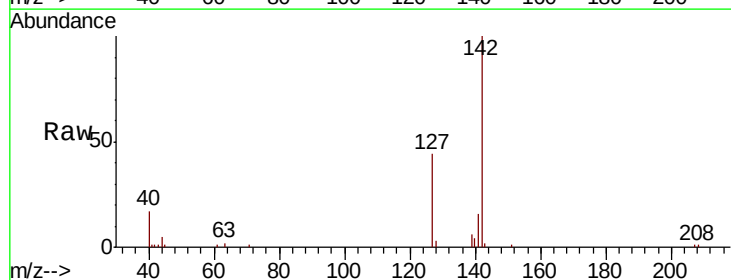
Tgt Ion:142 Resp: 70105

Ion Ratio Lower Upper

142 100

127 48.0 36.2 54.2

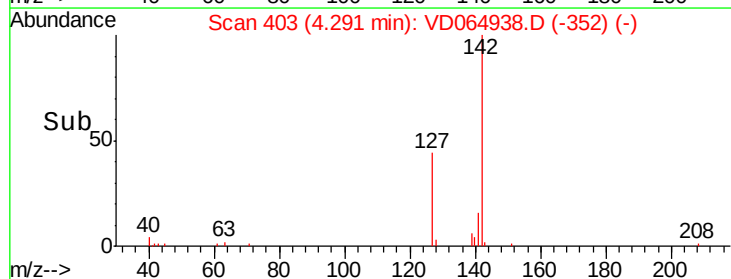
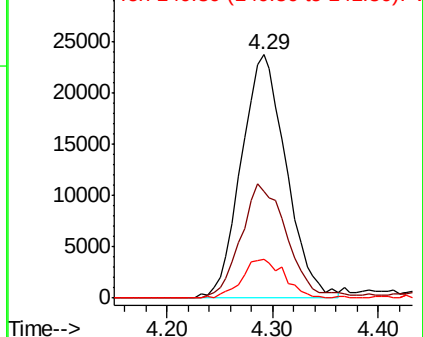
141 15.1 11.6 17.4

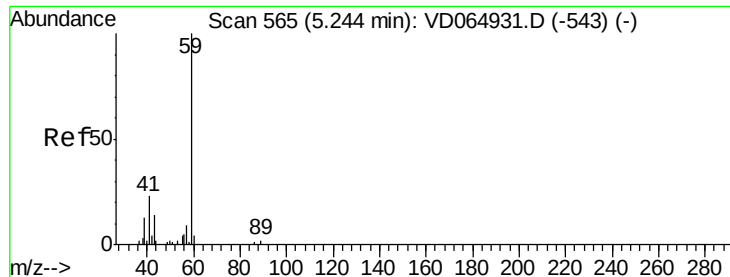


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



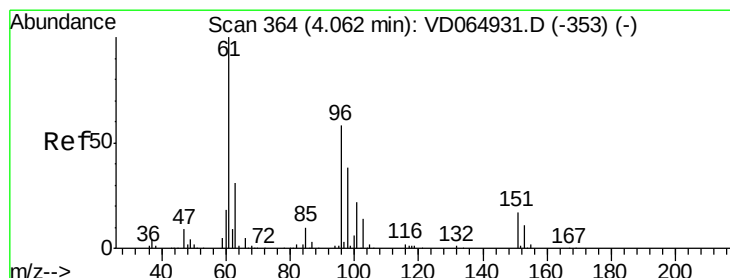
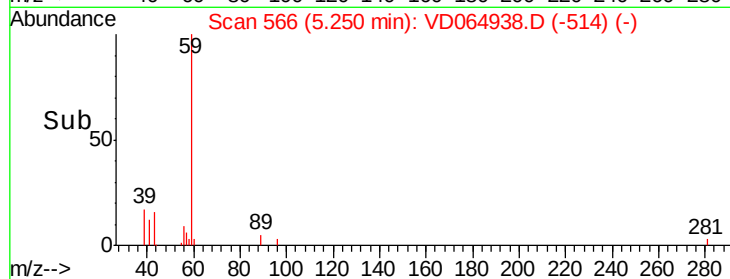
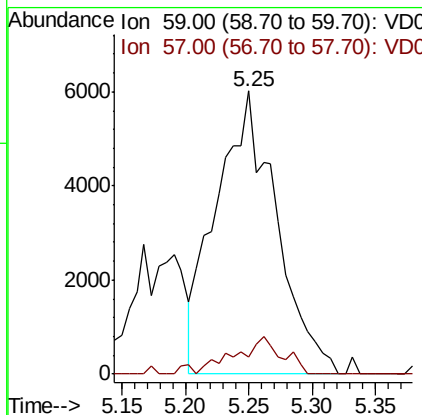
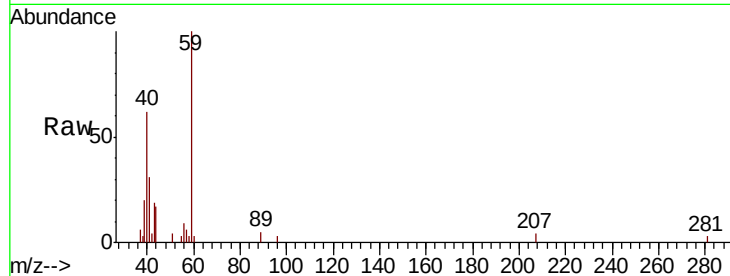


#11

Tert butyl alcohol
 Concen: 83.404 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

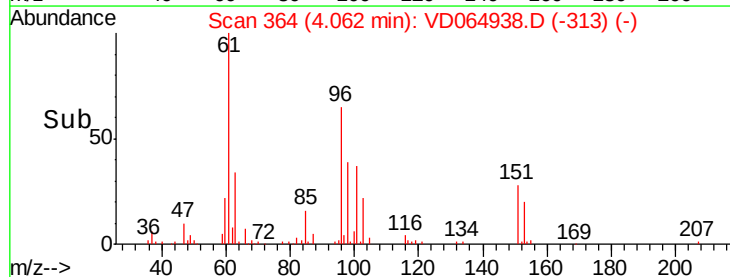
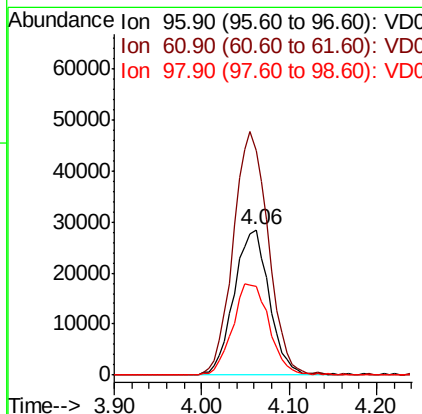
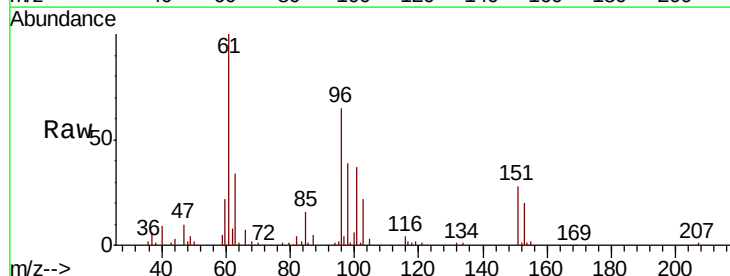
Tot Ion: 59 Resp: 19840
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.7 11.5

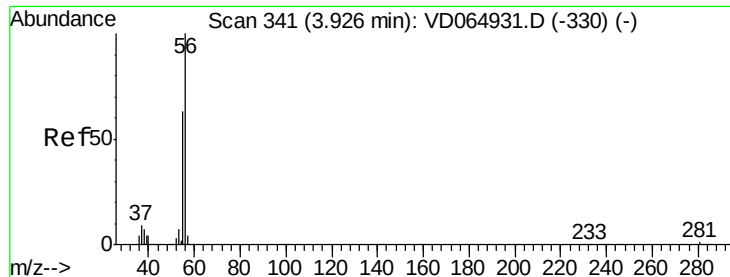


#12

1,1-Dichloroethene
 Concen: 19.893 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 96 Resp: 77709
 Ion Ratio Lower Upper
 96 100
 61 154.9 137.0 205.4
 98 61.1 52.1 78.1

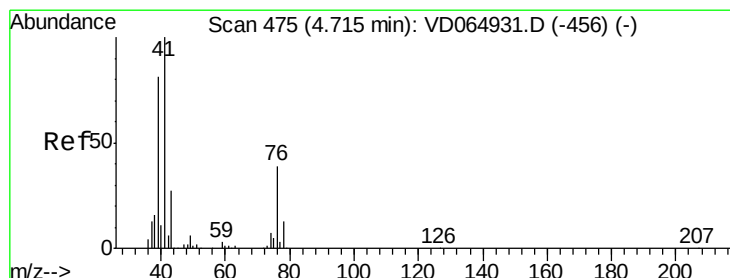
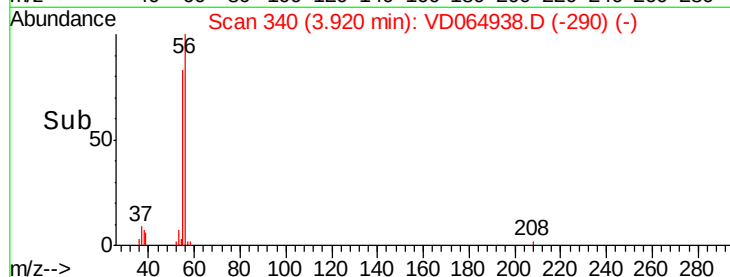
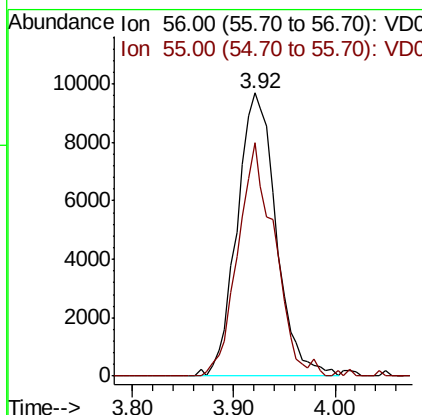
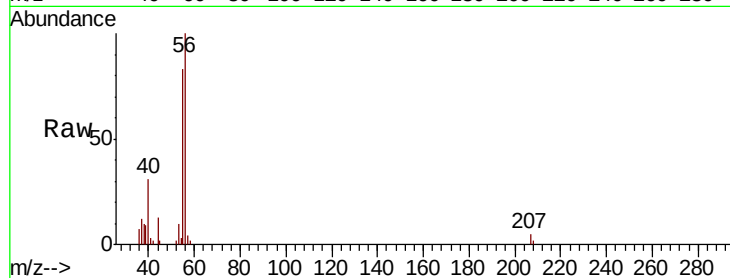




#13
 Acrolein
 Concen: 86.930 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

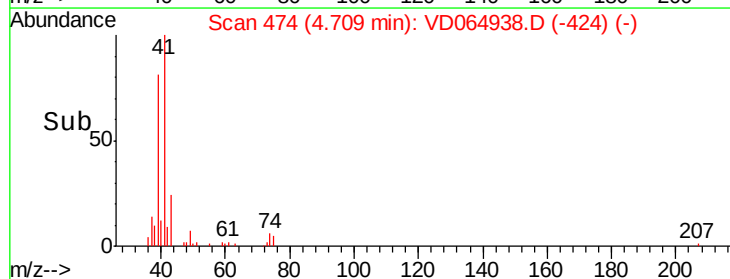
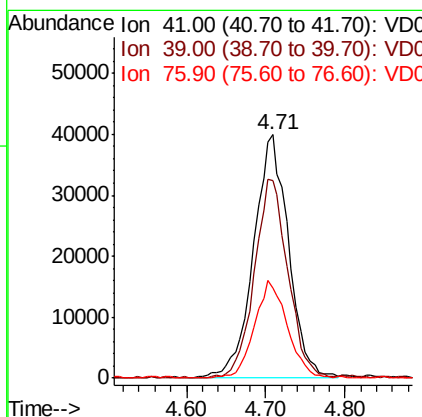
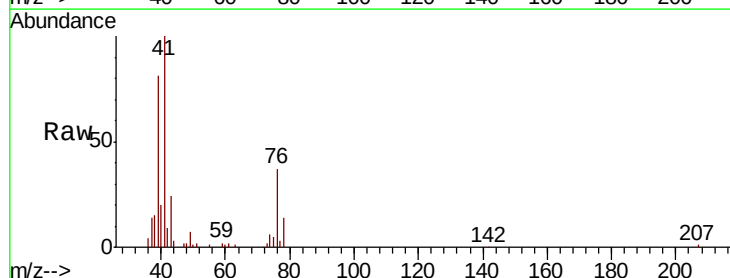
Instrument :
 MSVOA_D
 ClientSampled :

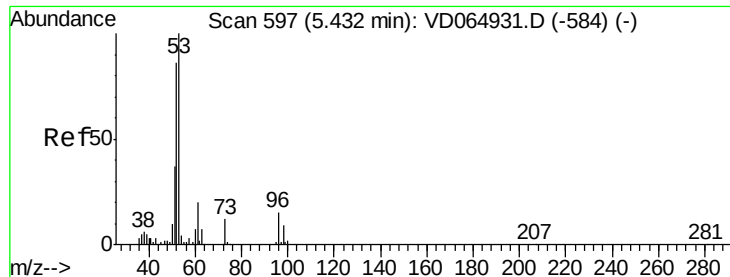
Tot Ion: 56 Resp: 25923
 Ion Ratio Lower Upper
 56 100
 55 77.8 59.7 89.5



#14
 Allyl chloride
 Concen: 19.725 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 41 Resp: 122897
 Ion Ratio Lower Upper
 41 100
 39 78.4 62.0 93.0
 76 37.5 29.3 43.9





#15

Acrylonitrile

Concen: 95.075 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

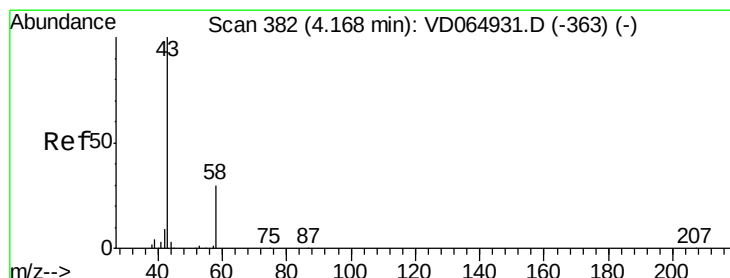
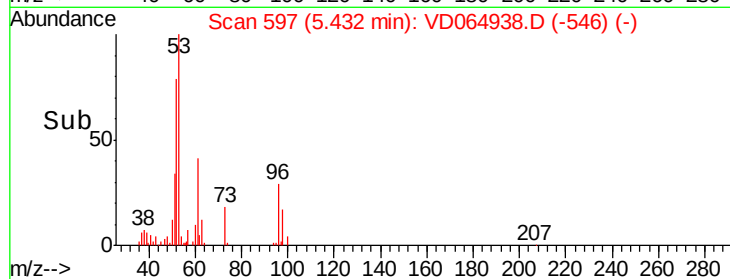
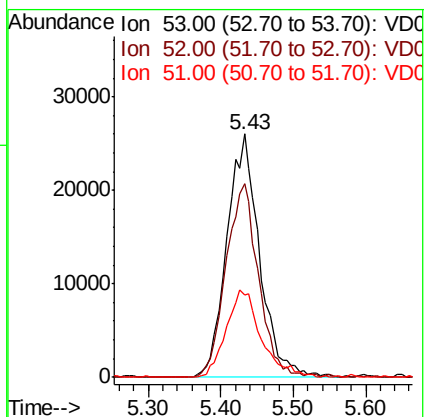
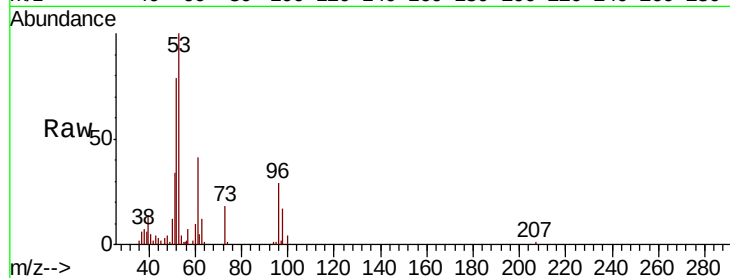
Tot Ion: 53 Resp: 81690

Ion Ratio Lower Upper

53 100

52 79.1 66.7 100.1

51 38.3 31.1 46.7



#16

Acetone

Concen: 77.972 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064938.D

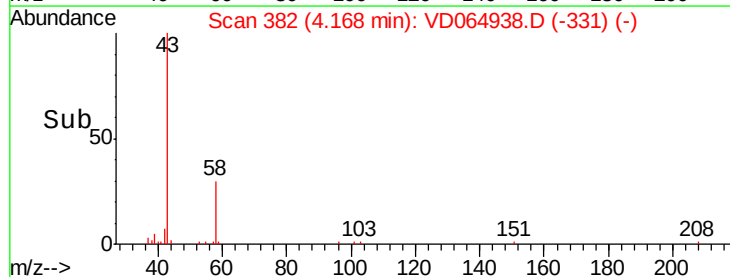
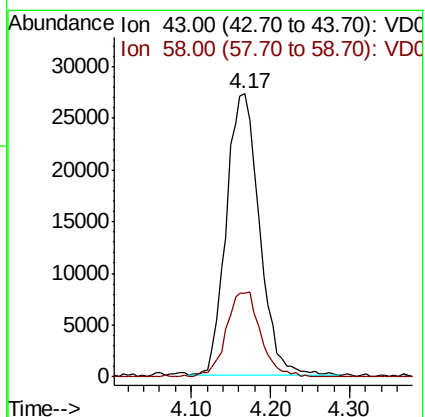
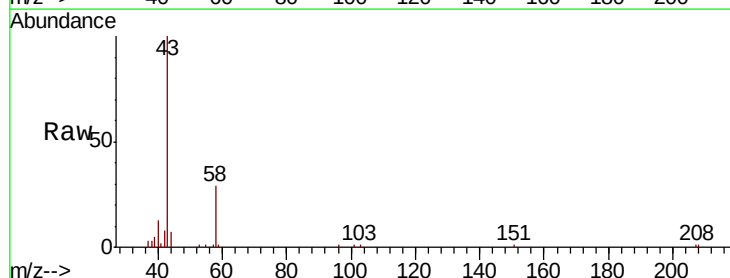
Acq: 24 Jan 2020 12:51

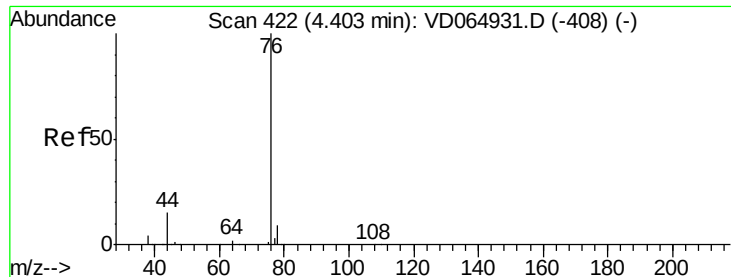
Tgt Ion: 43 Resp: 78414

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8





#17

Carbon Disulfide

Concen: 20.085 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

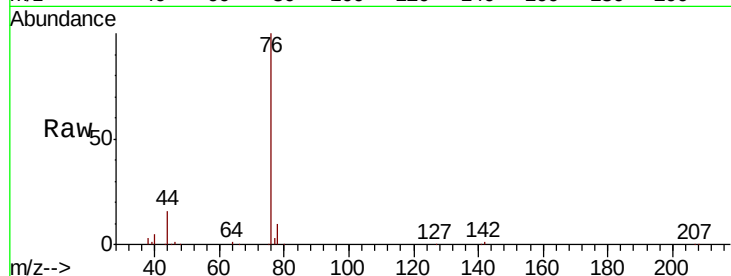
ClientSampleId :

Tot Ion: 76 Resp: 258218

Ion Ratio Lower Upper

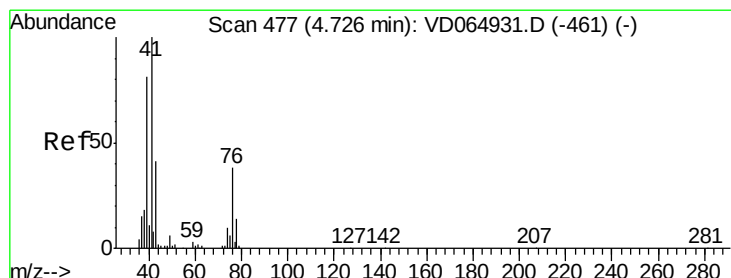
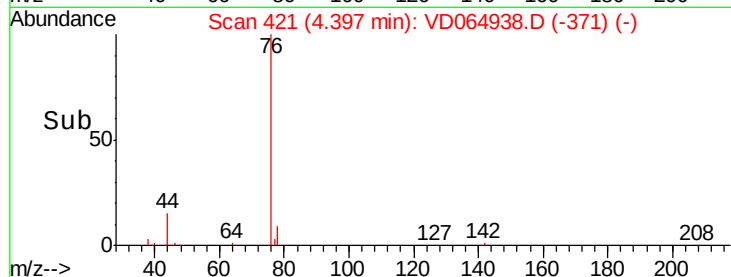
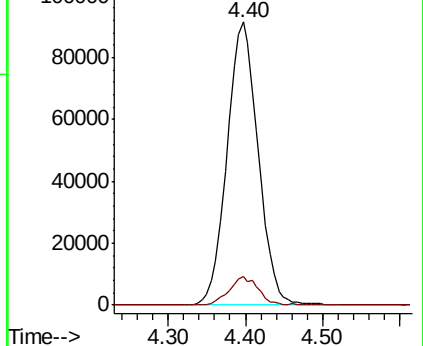
76 100

78 10.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.224 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064938.D

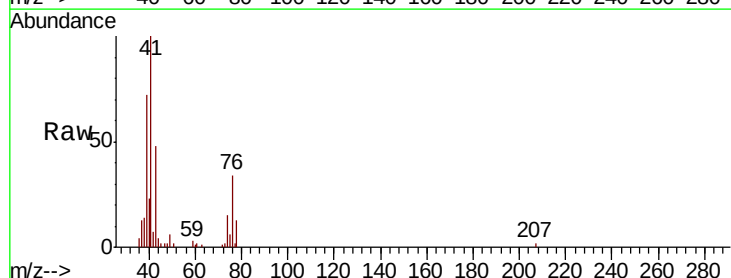
Acq: 24 Jan 2020 12:51

Tgt Ion: 43 Resp: 38757

Ion Ratio Lower Upper

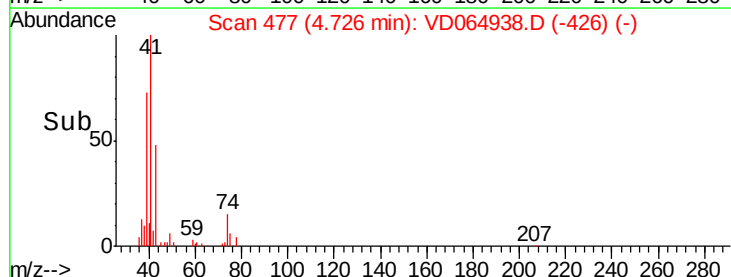
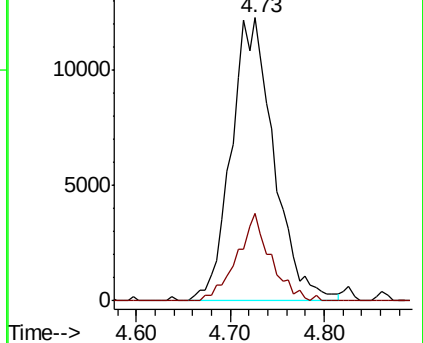
43 100

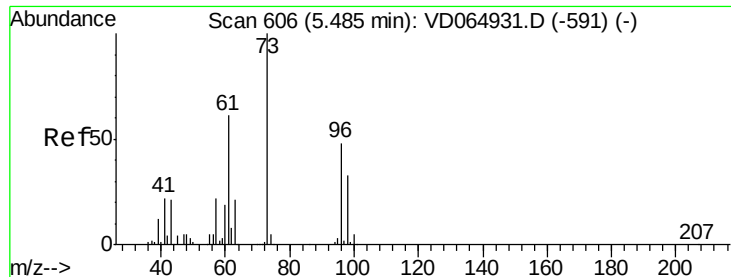
74 24.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

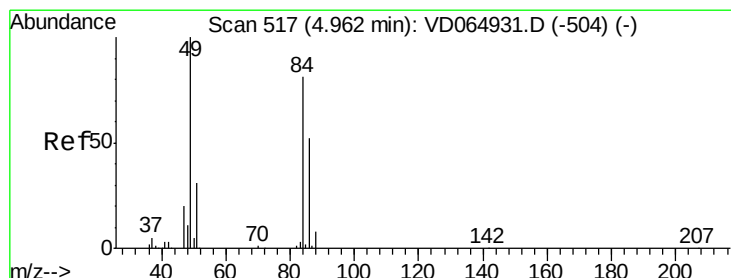
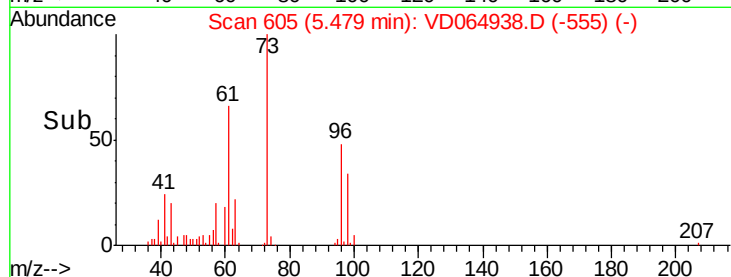
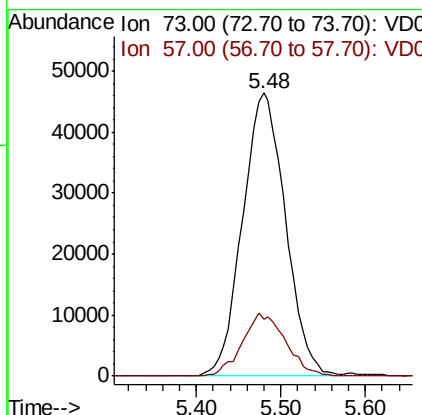
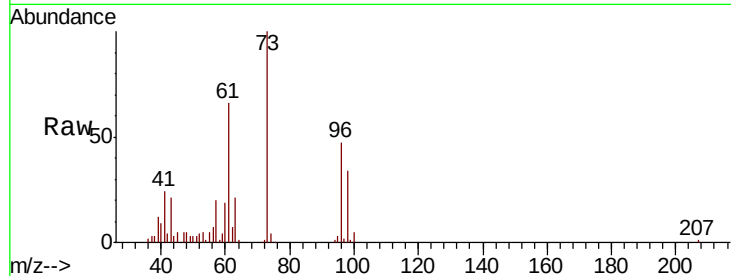




#19
Methyl tert-butyl Ether
Concen: 18.766 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

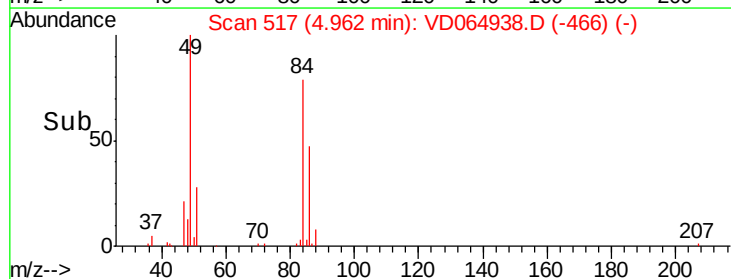
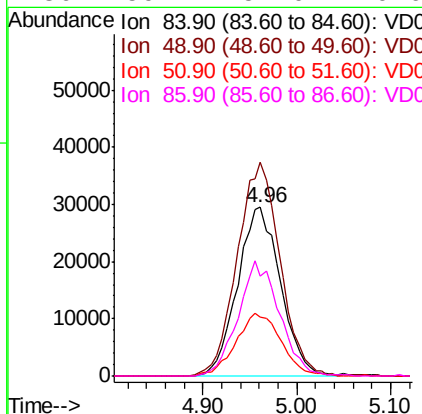
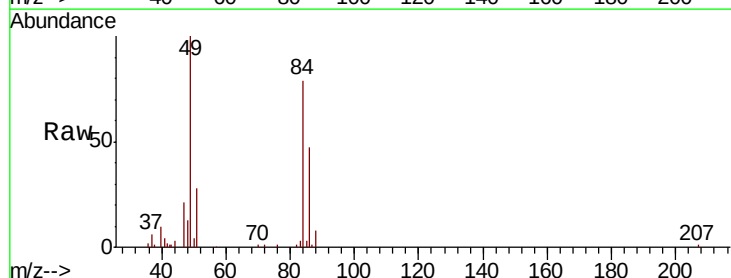
Instrument :
MSVOA_D
ClientSampleID :

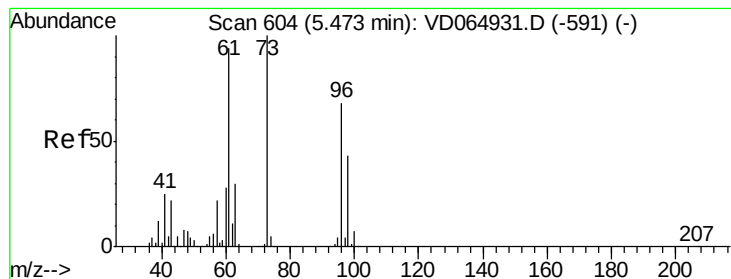
Tot Ion: 73 Resp: 163796
Ion Ratio Lower Upper
73 100
57 19.9 17.9 26.9



#20
Methylene Chloride
Concen: 18.274 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 84 Resp: 93490
Ion Ratio Lower Upper
84 100
49 126.7 98.4 147.6
51 35.1 30.8 46.2
86 59.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.957 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampled :

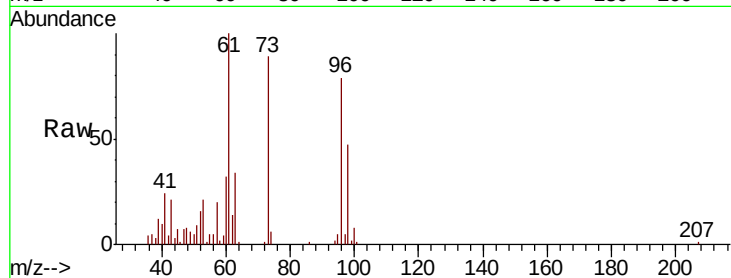
Tot Ion: 96 Resp: 89820

Ion Ratio Lower Upper

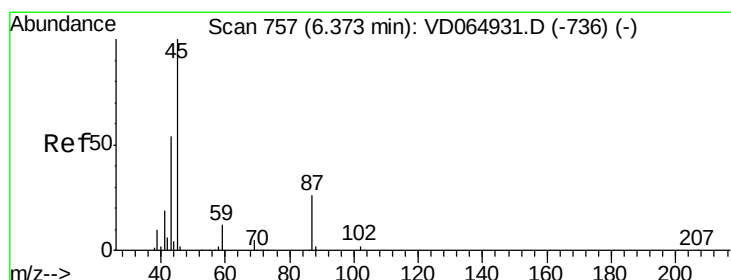
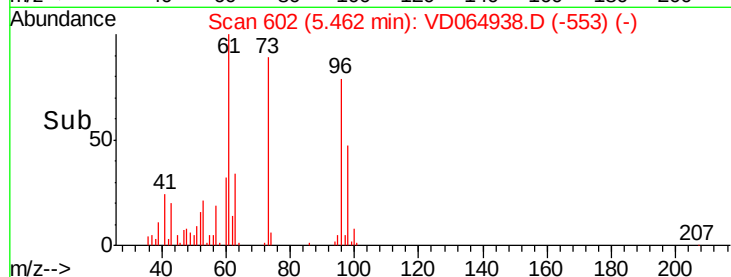
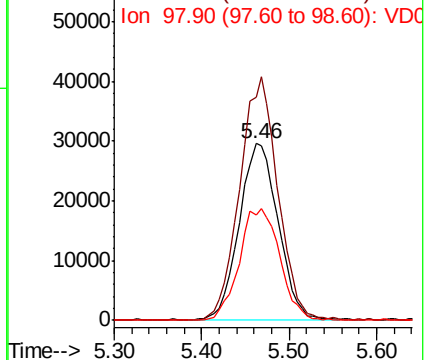
96 100

61 126.6 110.4 165.6

98 59.9 50.5 75.7



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: 20.007 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion: 45 Resp: 248422

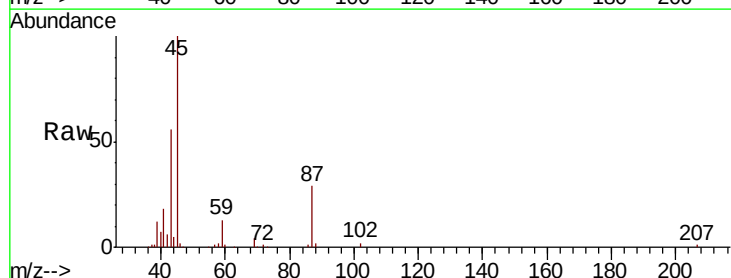
Ion Ratio Lower Upper

45 100

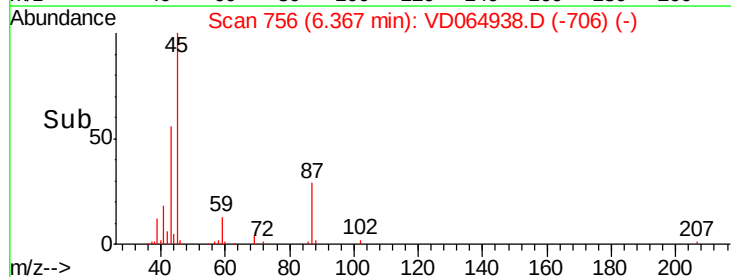
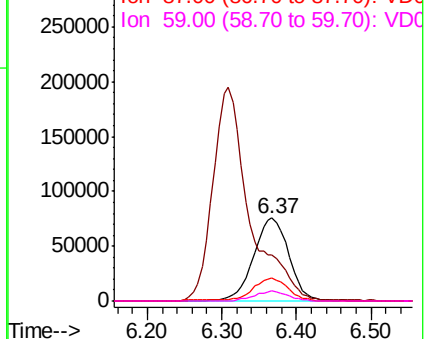
43 54.8 43.1 64.7

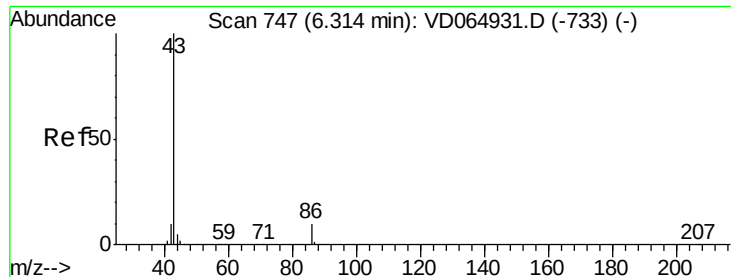
87 28.3 21.4 32.2

59 13.0 9.5 14.3



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: 91.982 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

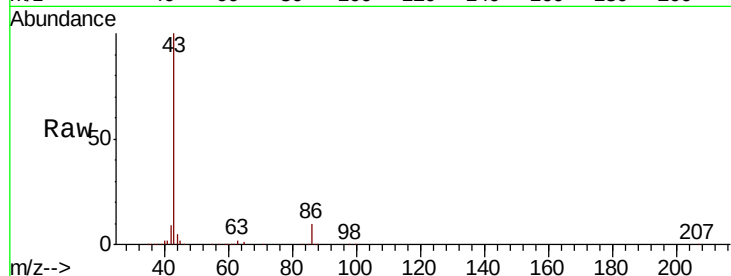
ClientSampled :

Tot Ion: 43 Resp: 668691

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

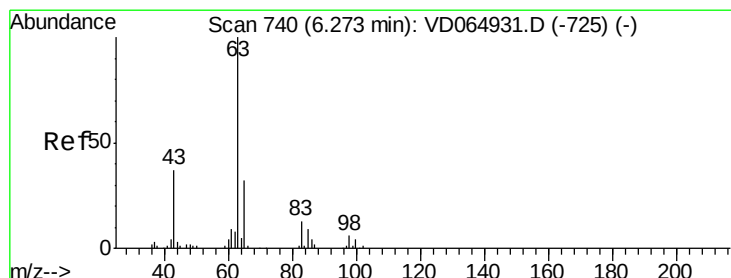
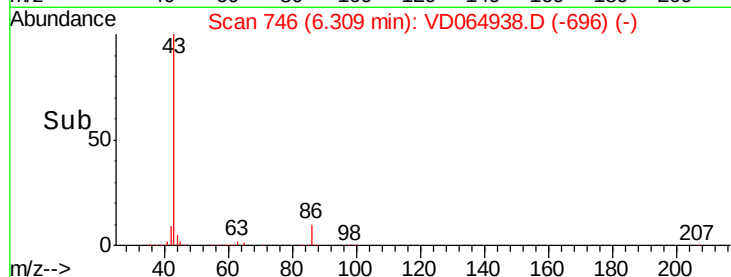
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.955 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

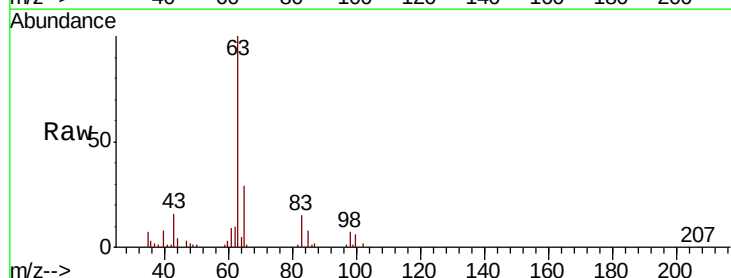
Tgt Ion: 63 Resp: 152125

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

100 5.6 2.3 6.8



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

6.26

60000

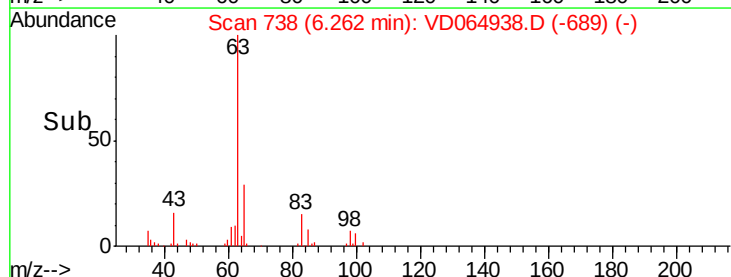
40000

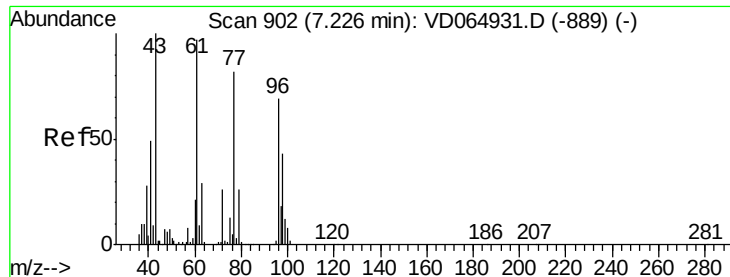
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 87.436 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

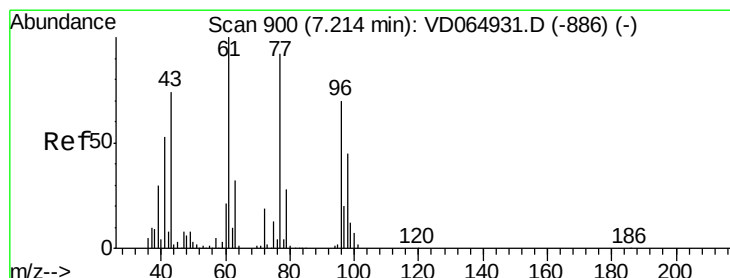
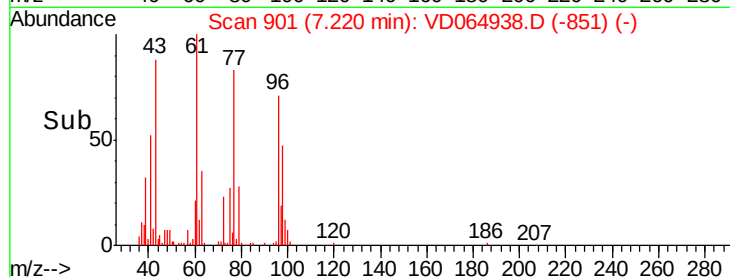
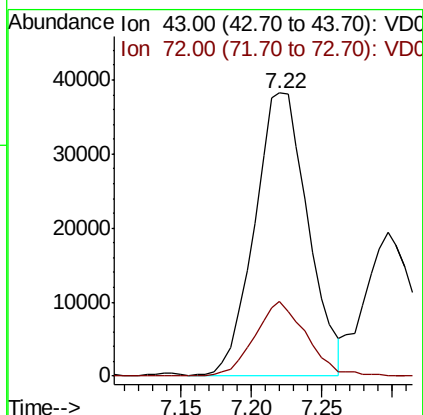
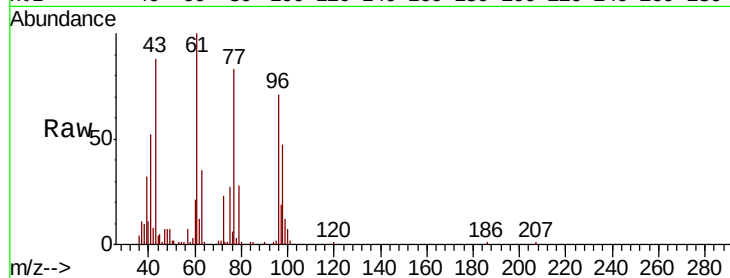
ClientSampled :

Tot Ion: 43 Resp: 101685

Ion Ratio Lower Upper

43 100

72 26.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 19.459 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064938.D

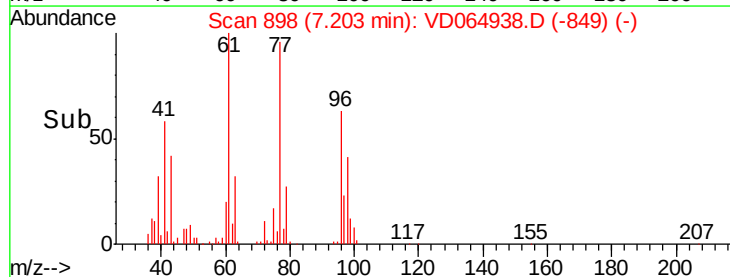
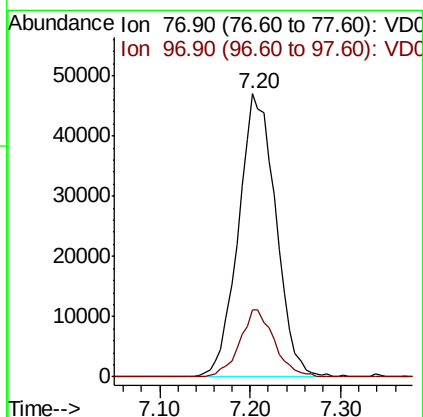
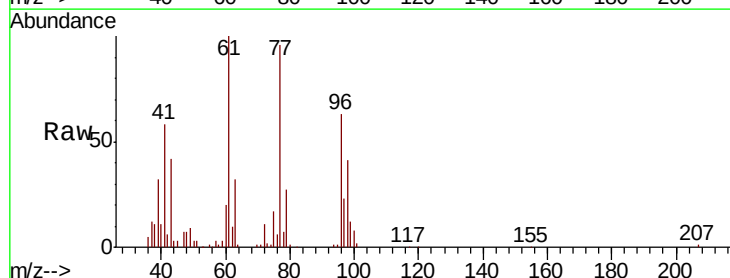
Acq: 24 Jan 2020 12:51

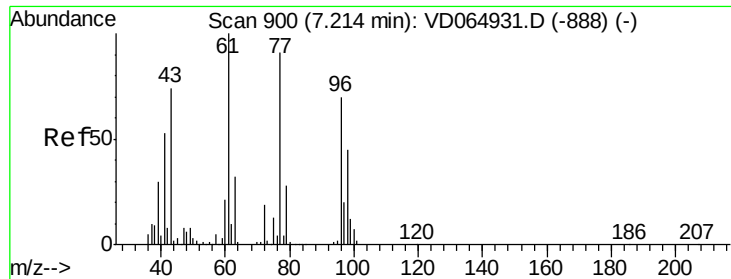
Tgt Ion: 77 Resp: 134562

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2



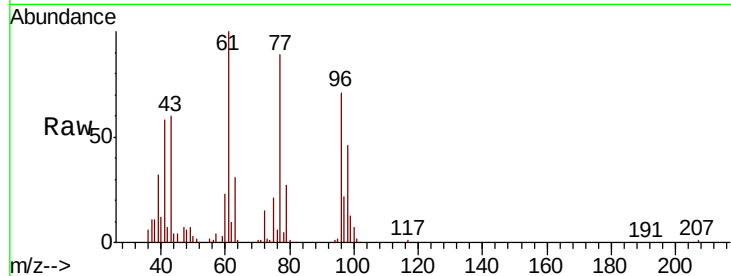


#27

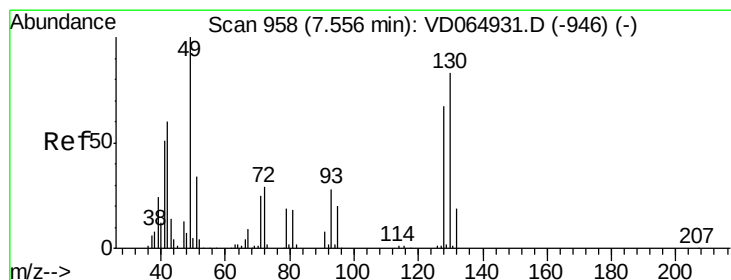
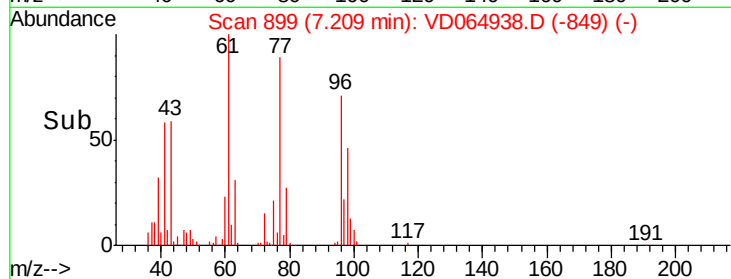
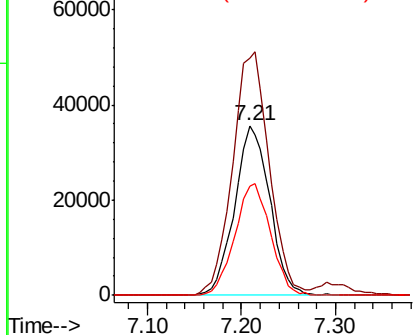
cis-1,2-Dichloroethene
 Concen: 19.243 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 92440
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 292.8
 98 66.7 0.0 130.0



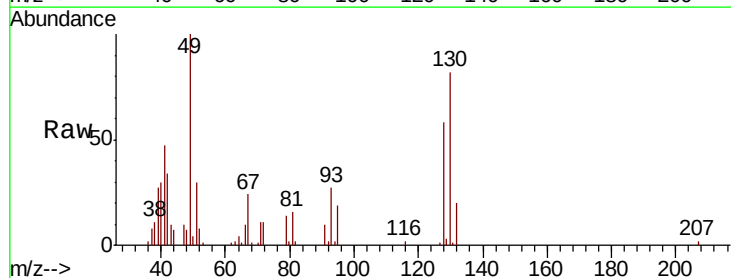
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



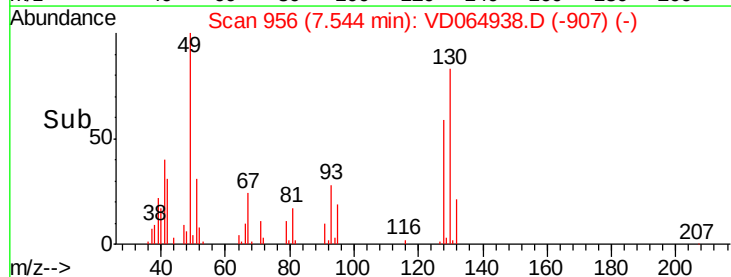
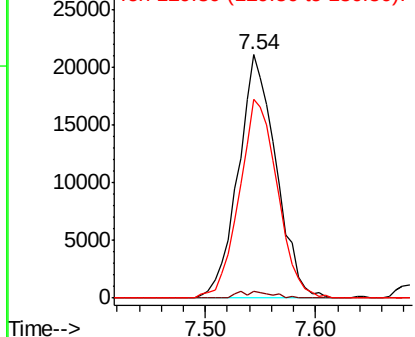
#28

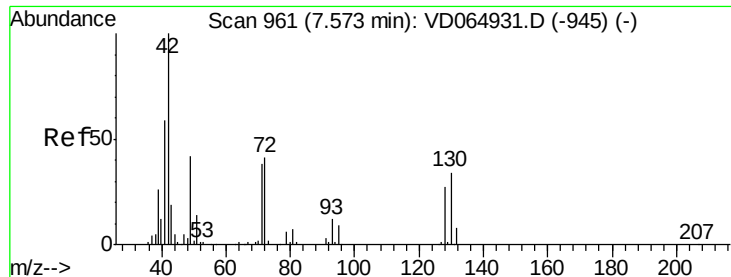
Bromochloromethane
 Concen: 16.610 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 49 Resp: 50641
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.4
 130 82.5 63.8 95.8



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

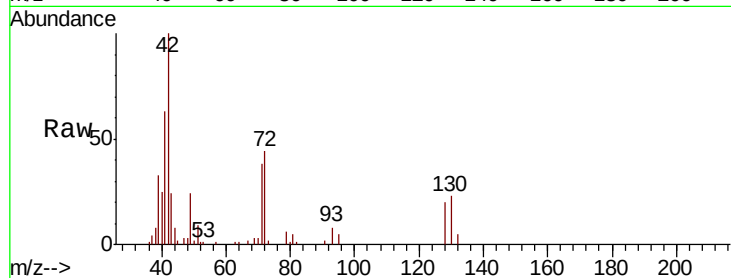




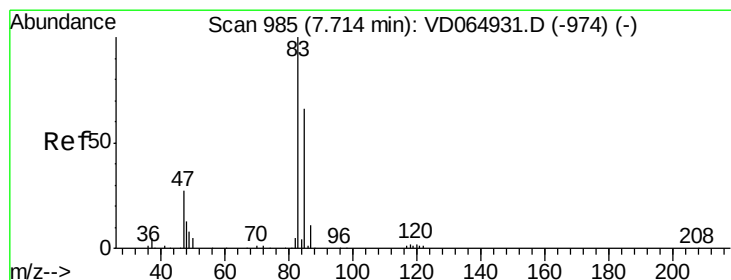
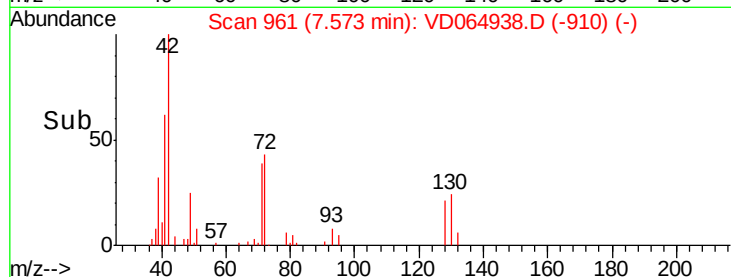
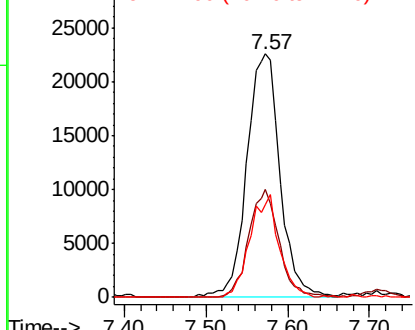
#29
Tetrahydrofuran
Concen: 88.558 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 63545
Ion Ratio Lower Upper
42 100
72 40.3 34.0 51.0
71 37.2 31.5 47.3

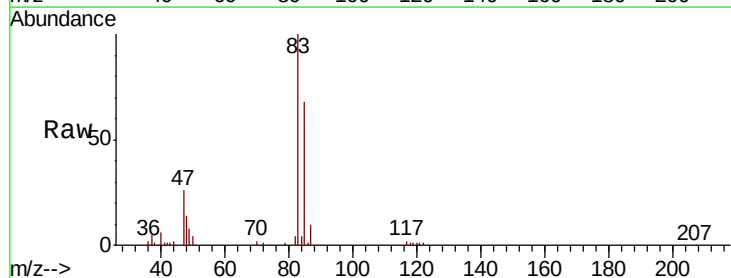


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

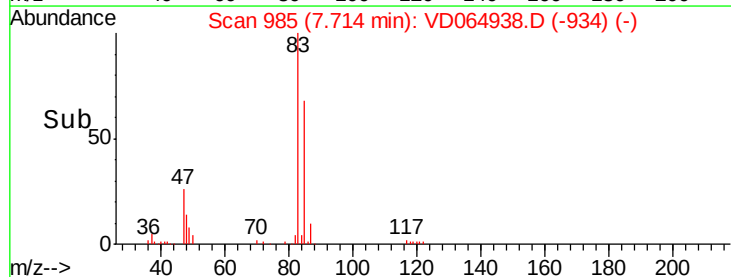
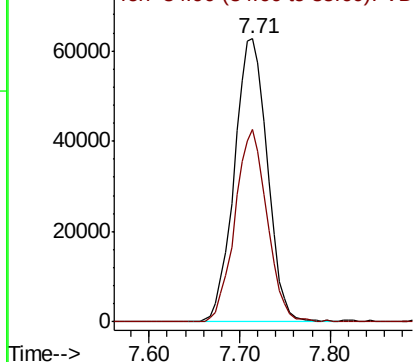


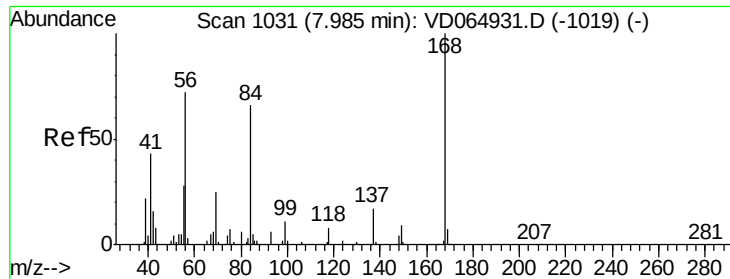
#30
Chloroform
Concen: 20.178 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 83 Resp: 159018
Ion Ratio Lower Upper
83 100
85 67.9 52.4 78.6



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

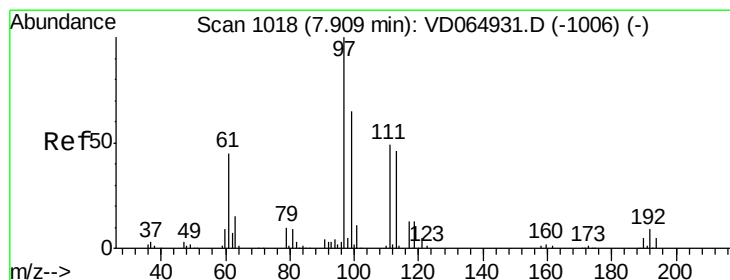
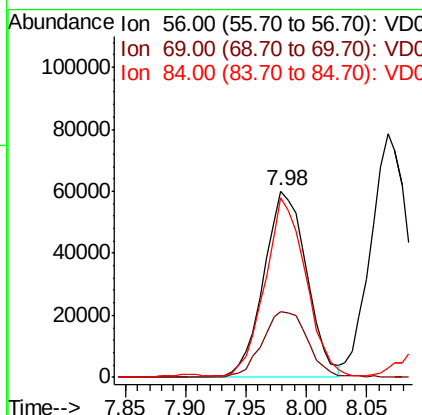
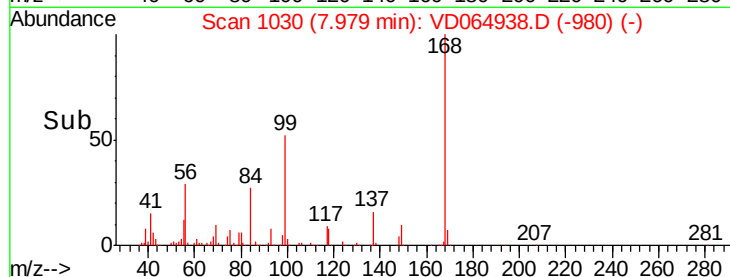
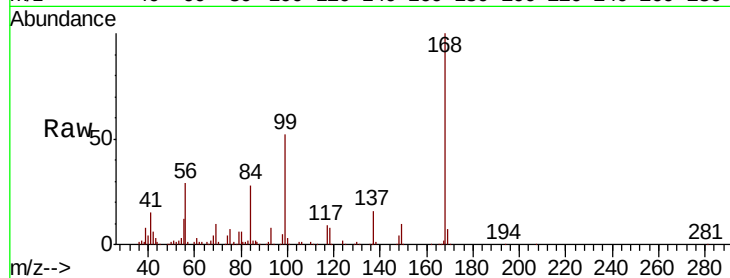




#31
Cyclohexane
Concen: 19.703 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

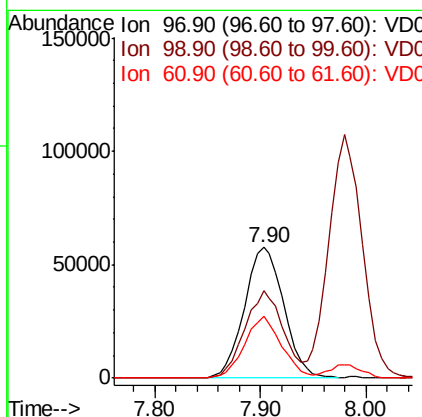
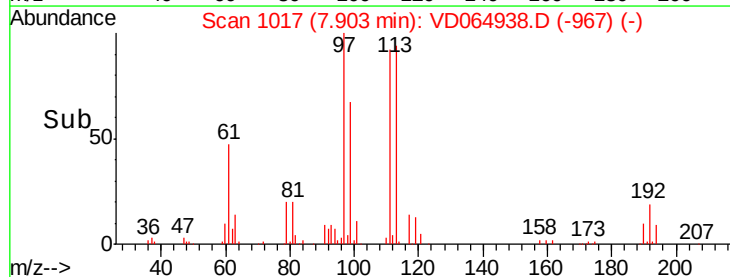
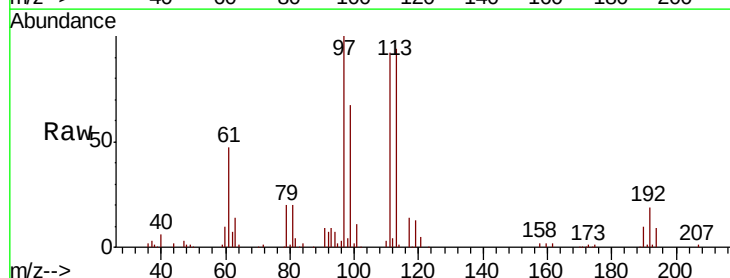
Instrument :
MSVOA_D
ClientSampleId :

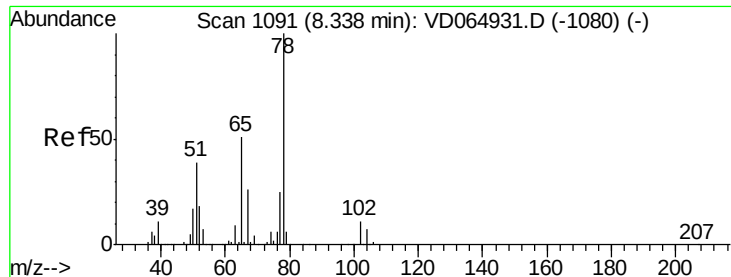
Tot Ion: 56 Resp: 147769
Ion Ratio Lower Upper
56 100
69 35.0 27.9 41.9
84 94.2 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 20.396 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 97 Resp: 149531
Ion Ratio Lower Upper
97 100
99 64.4 50.6 76.0
61 44.2 35.7 53.5

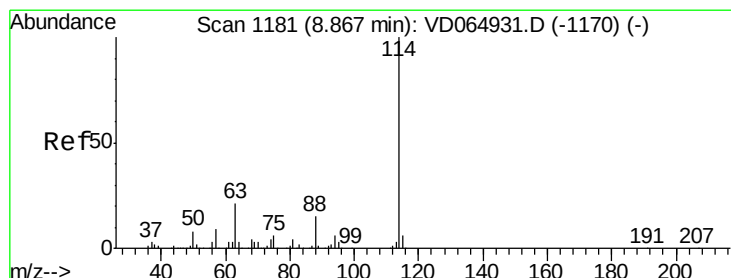
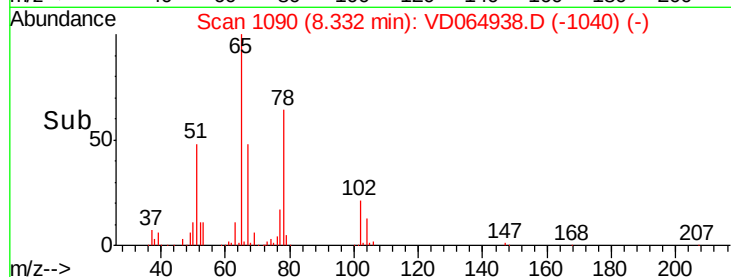
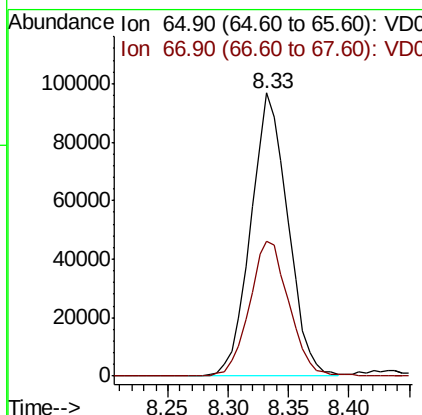
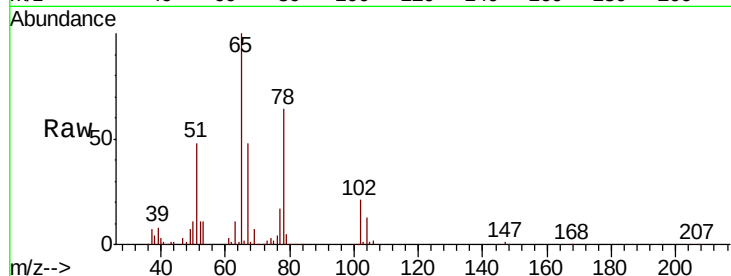




#33
 1,2-Dichloroethane-d4
 Concen: 48.032 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

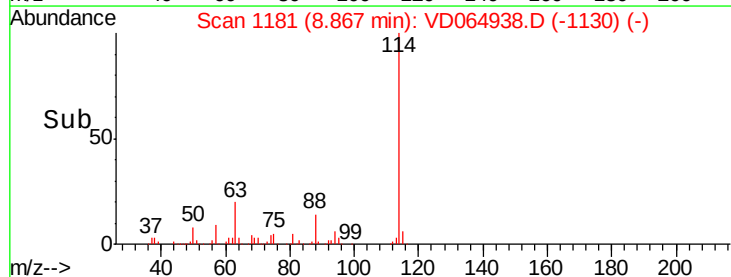
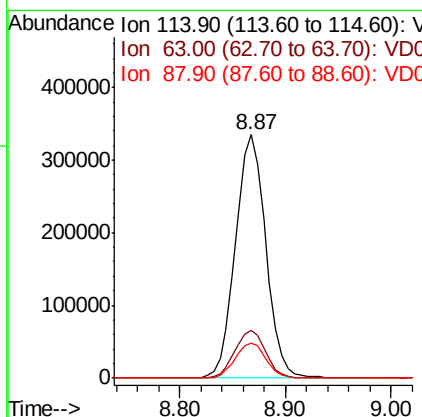
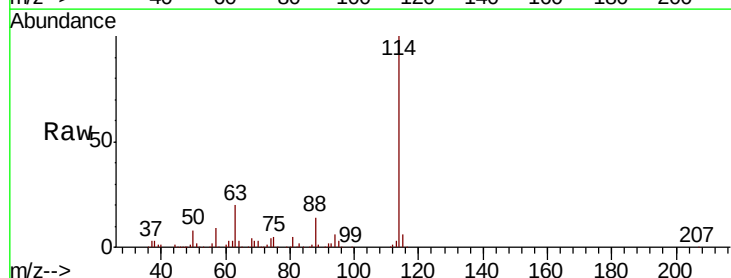
Instrument :
 MSVOA_D
 ClientSampled :

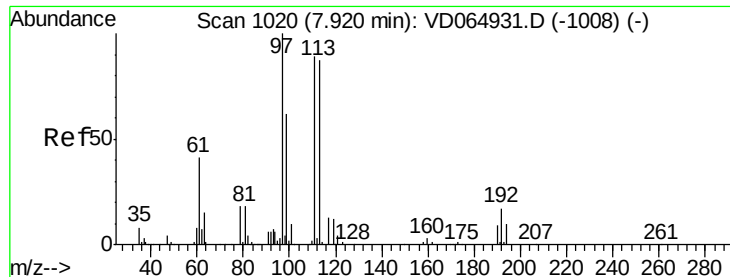
Tot Ion: 65 Resp: 206759
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 114 Resp: 665052
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.0
 88 14.4 0.0 29.4

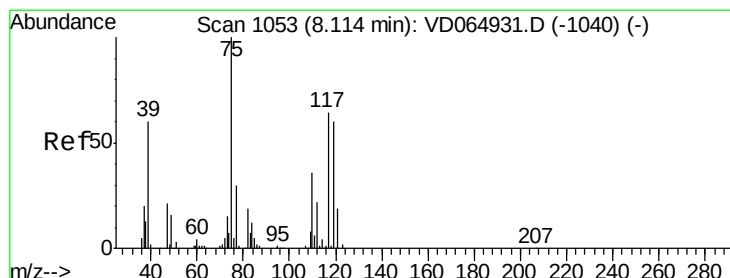
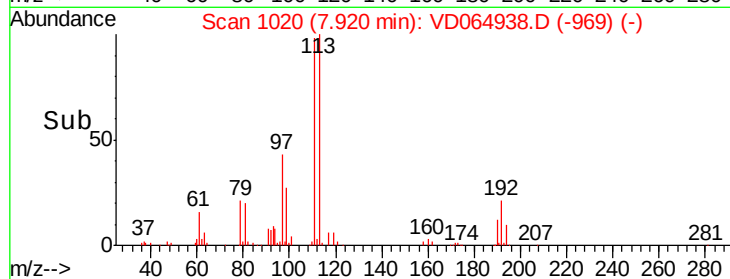
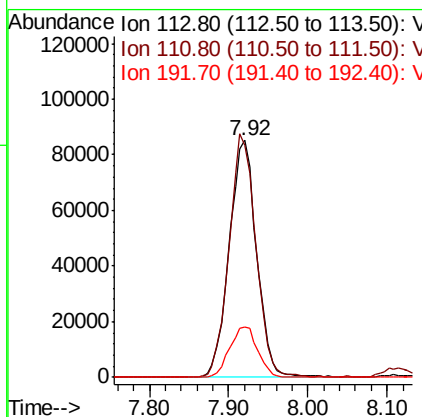
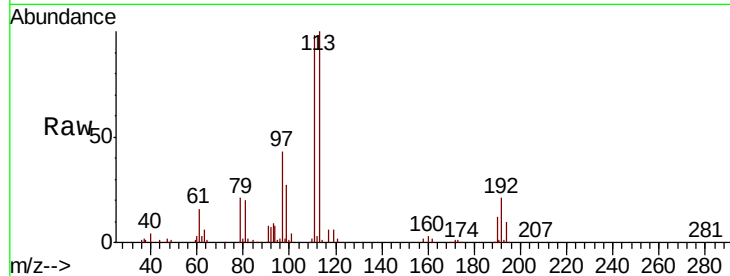




#35
 Dibromofluoromethane
 Concen: 48.695 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

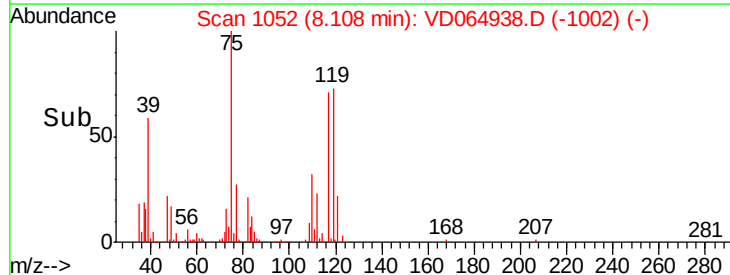
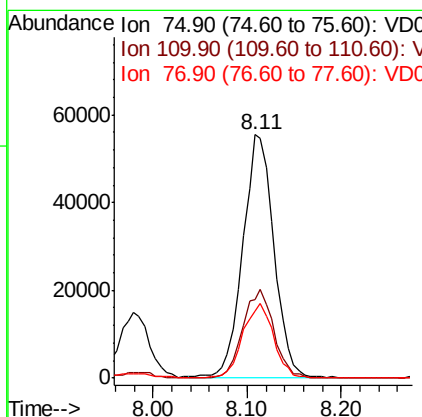
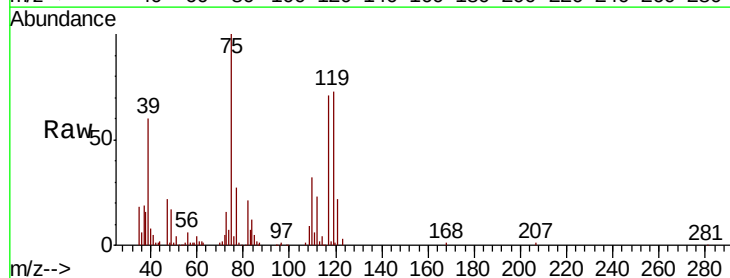
Instrument :
 MSVOA_D
 ClientSampleId :

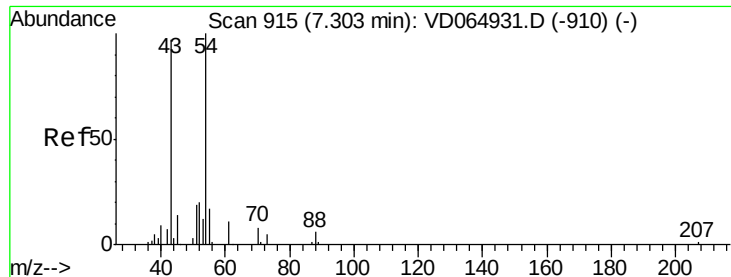
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.4	123.6
192	21.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 19.891 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.3	52.0
77	30.1	24.7	37.1

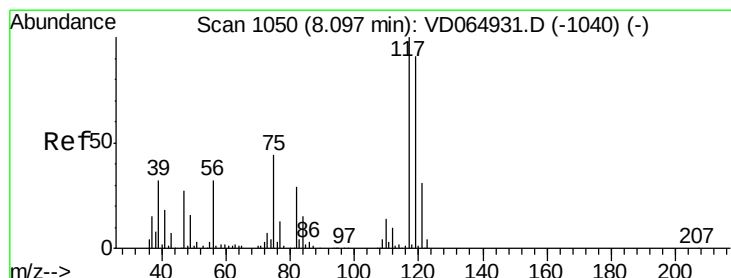
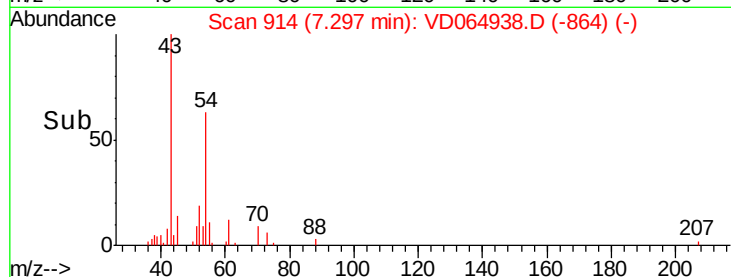
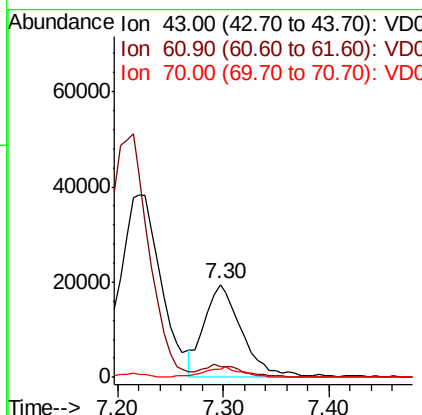
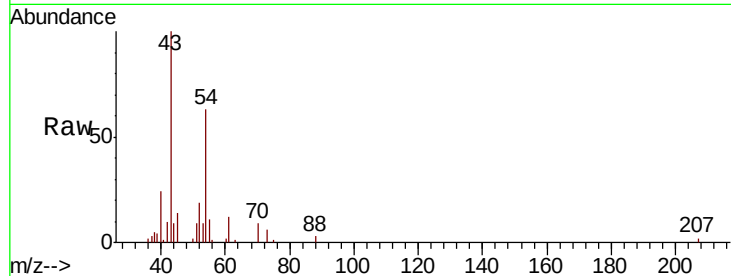




#37
Ethyl Acetate
Concen: 17.892 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

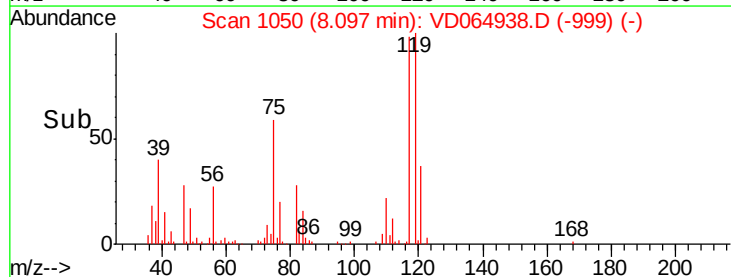
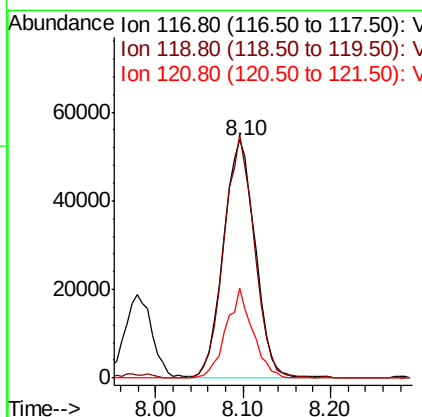
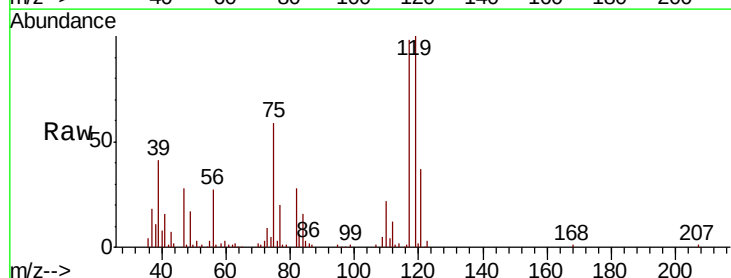
Instrument :
MSVOA_D
ClientSampleId :

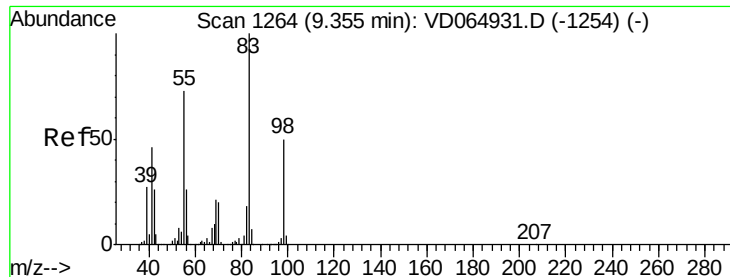
Tot Ion: 43 Resp: 47395
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.4
70 11.0 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.735 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 117 Resp: 133769
Ion Ratio Lower Upper
117 100
119 102.1 73.2 109.8
121 37.7 24.4 36.6#

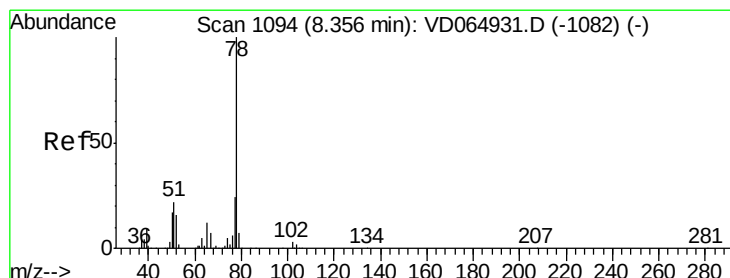
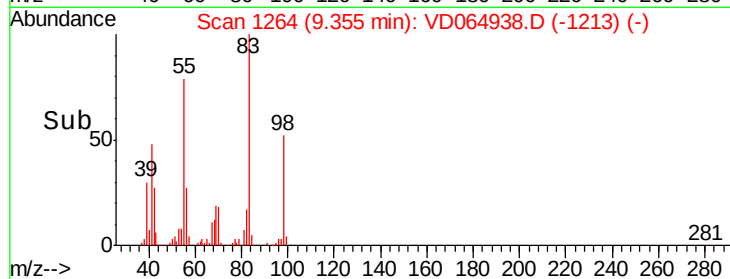
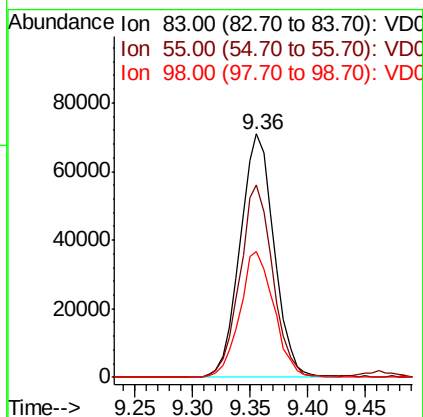
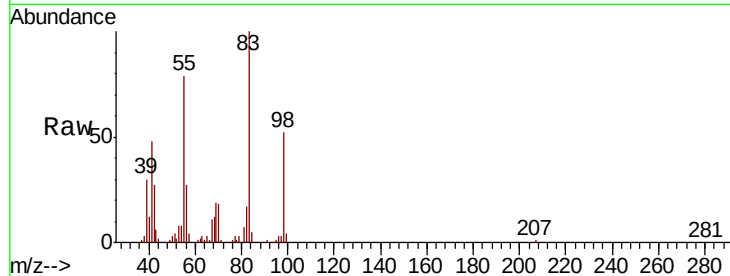




#39
Methylvlcyclohexane
Concen: 19.367 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

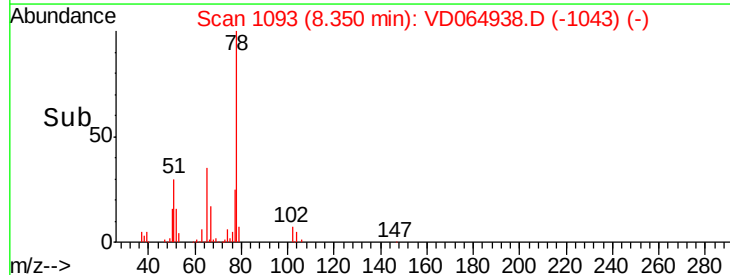
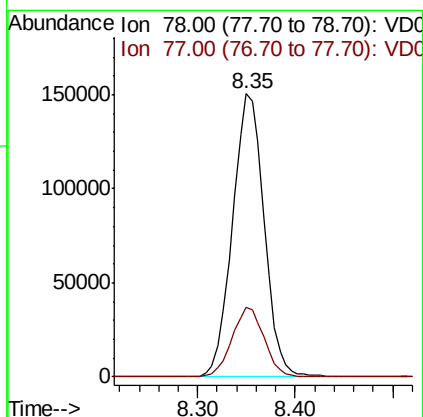
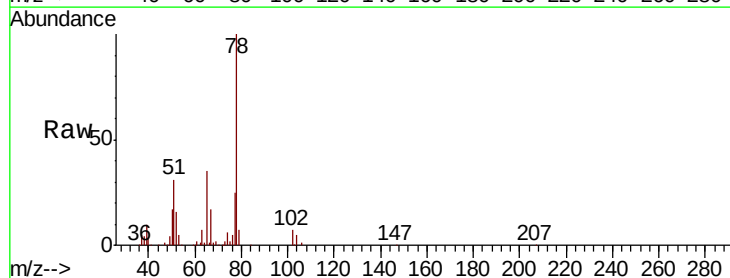
Instrument :
MSVOA_D
ClientSampleId :

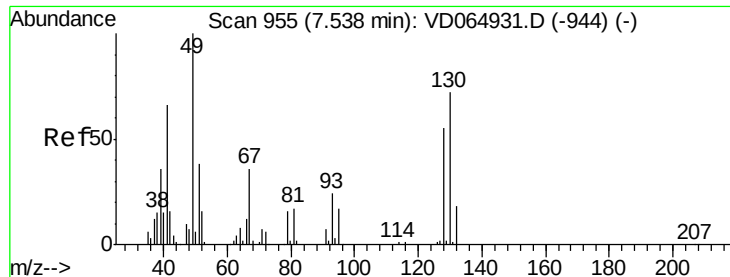
Tot Ion: 83 Resp: 145205
Ion Ratio Lower Upper
83 100
55 79.1 58.7 88.1
98 51.5 40.2 60.2



#40
Benzene
Concen: 19.255 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 78 Resp: 340091
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8





#41

Methacrylonitrile

Concen: 19.242 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 27458

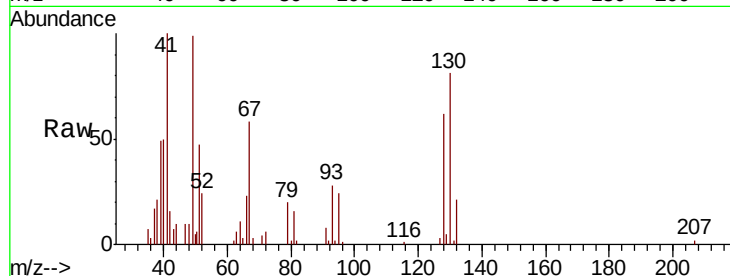
Ion Ratio Lower Upper

41 100

39 47.7 49.3 73.9#

67 66.2 51.0 76.6

52 32.0 22.3 33.5

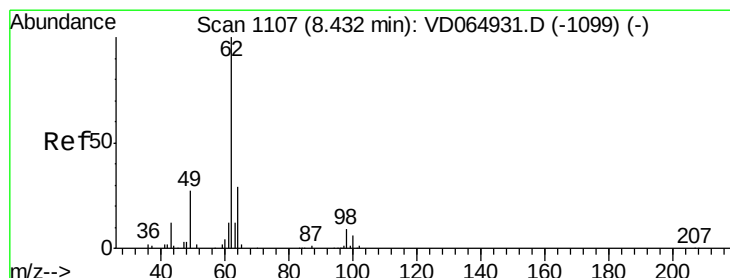
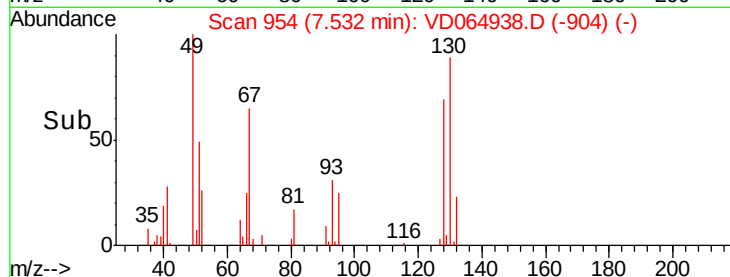
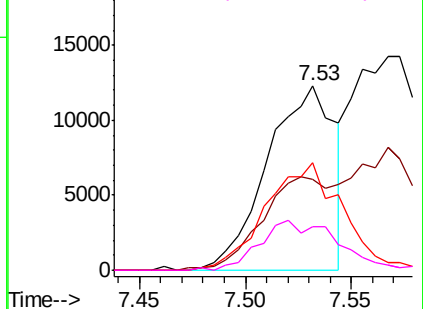


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.152 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064938.D

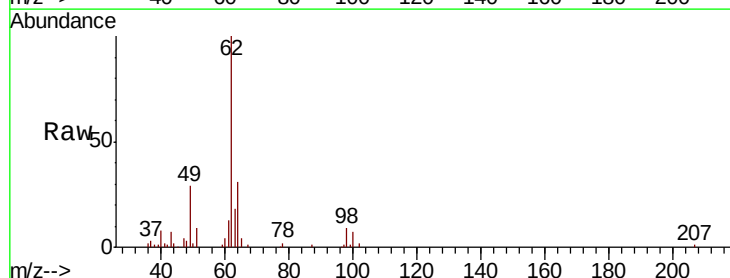
Acq: 24 Jan 2020 12:51

Tgt Ion: 62 Resp: 100762

Ion Ratio Lower Upper

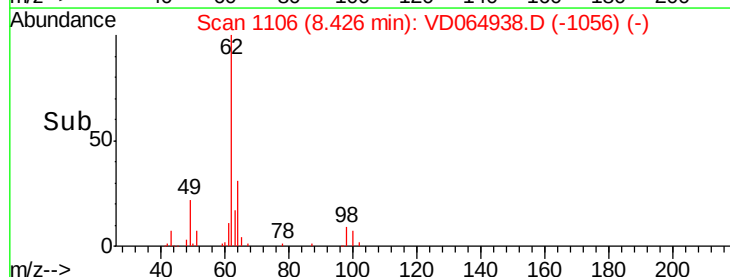
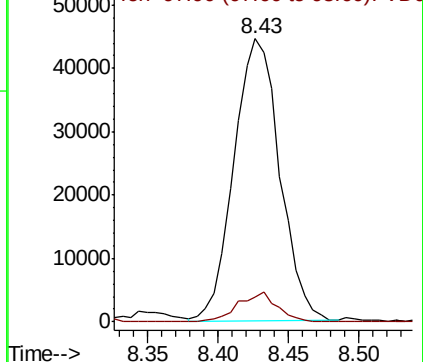
62 100

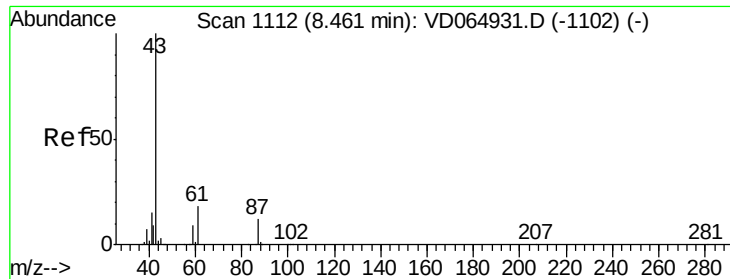
98 9.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.907 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

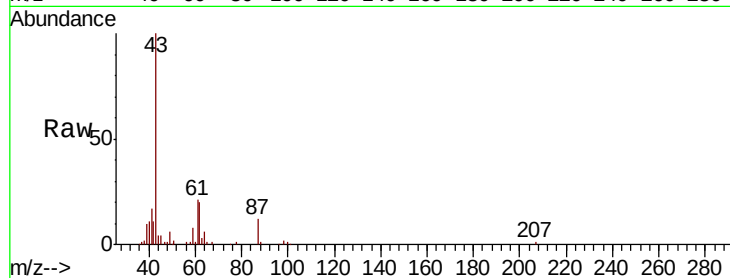
Tot Ion: 43 Resp: 90103

Ion Ratio Lower Upper

43 100

61 31.9 23.8 35.6

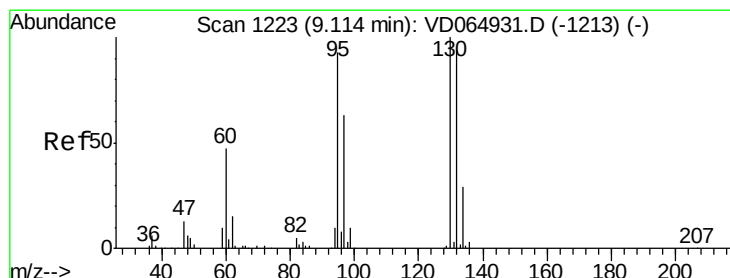
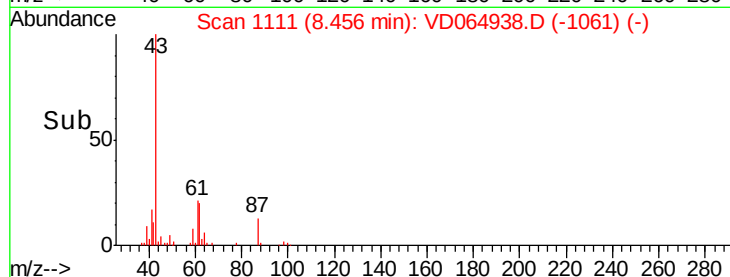
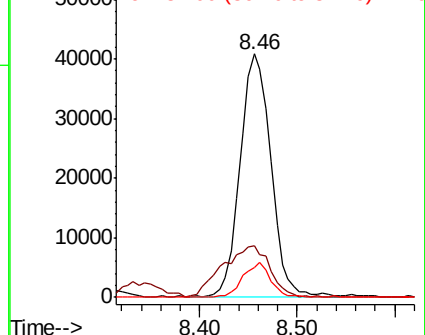
87 12.7 10.3 15.5



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: 19.553 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064938.D

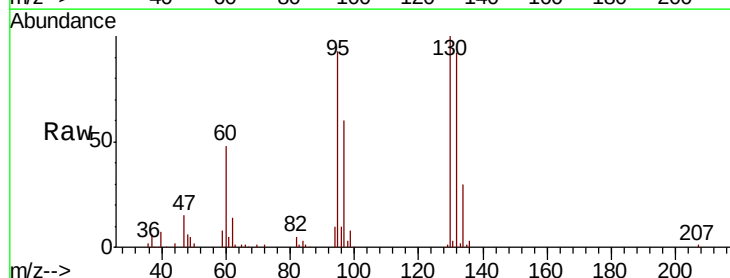
Acq: 24 Jan 2020 12:51

Tgt Ion: 130 Resp: 96651

Ion Ratio Lower Upper

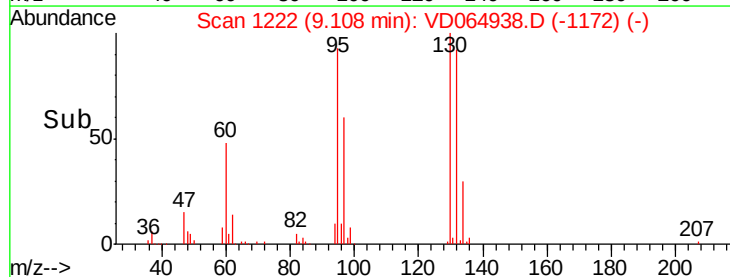
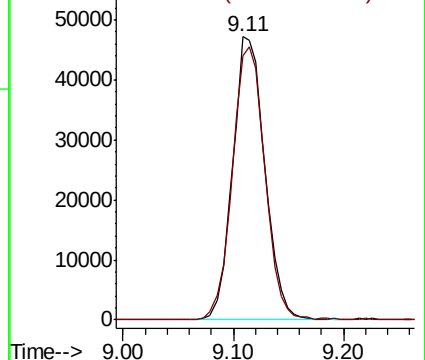
130 100

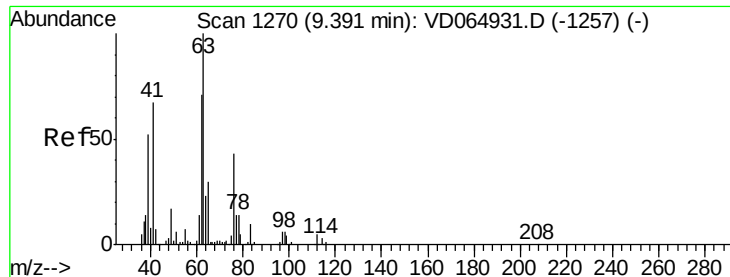
95 93.1 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

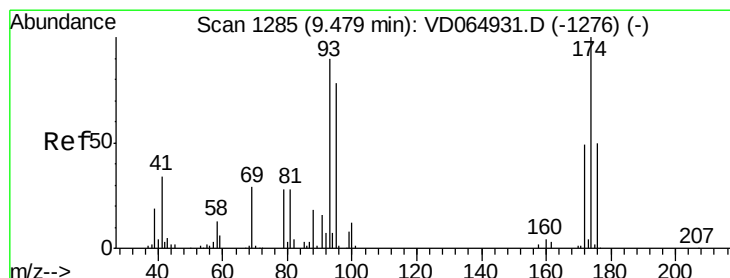
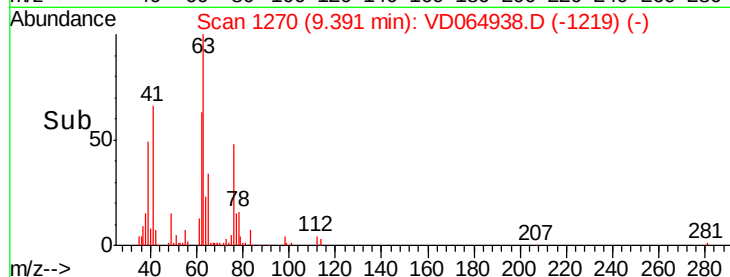
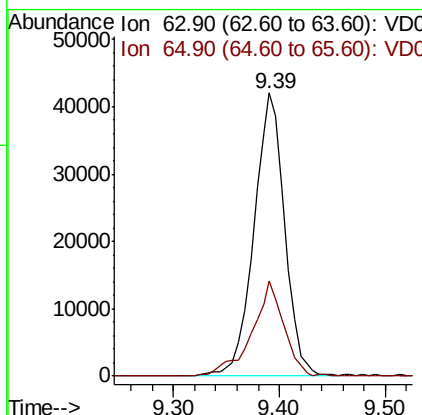
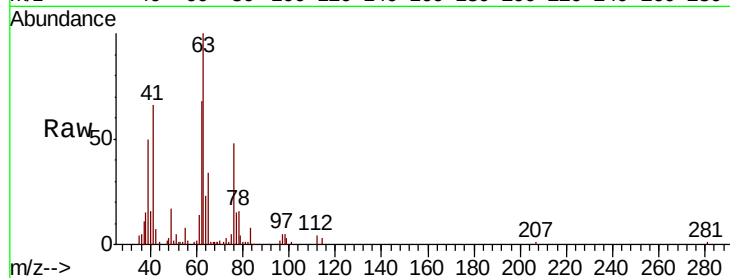




#45
 1,2-Dichloropropane
 Concen: 19.806 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

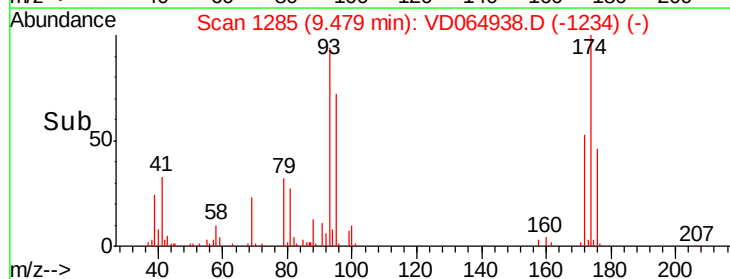
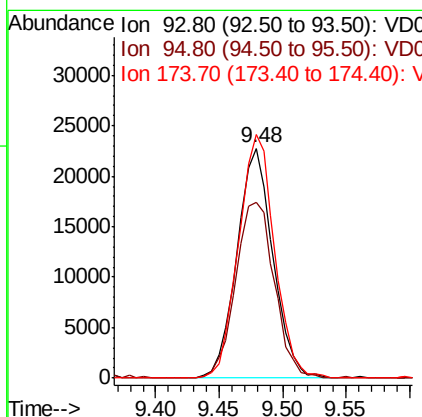
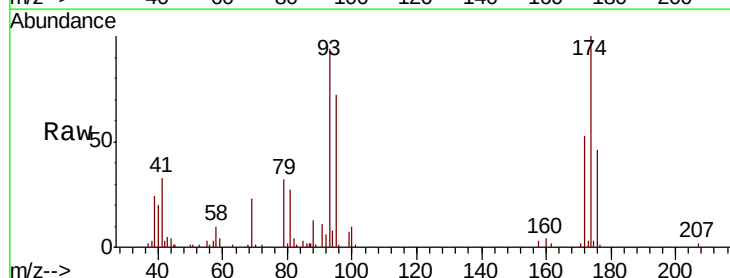
Instrument :
 MSVOA_D
 ClientSampleID :

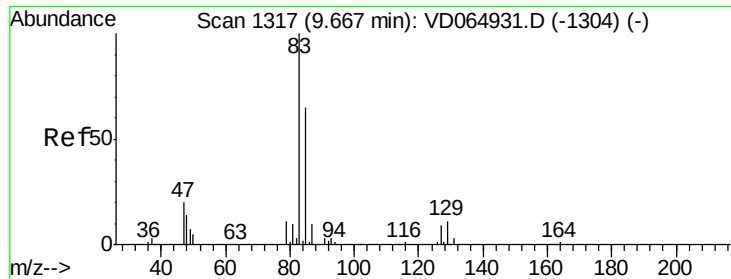
Tot Ion: 63 Resp: 84806
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.3 36.5



#46
 Dibromomethane
 Concen: 19.202 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 93 Resp: 44887
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.5 101.3
 174 106.0 88.4 132.6





#47

Bromodichloromethane

Concen: 19.901 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampled :

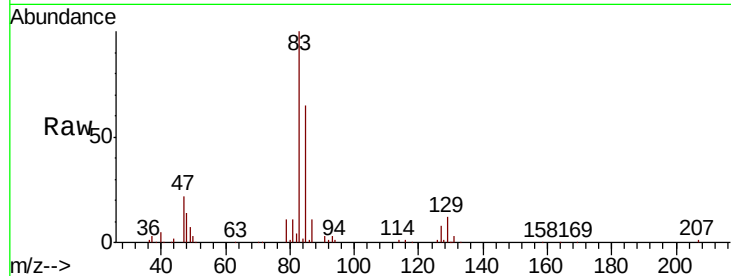
Tot Ion: 83 Resp: 121054

Ion Ratio Lower Upper

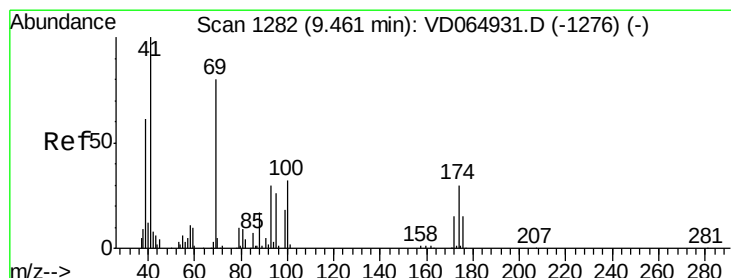
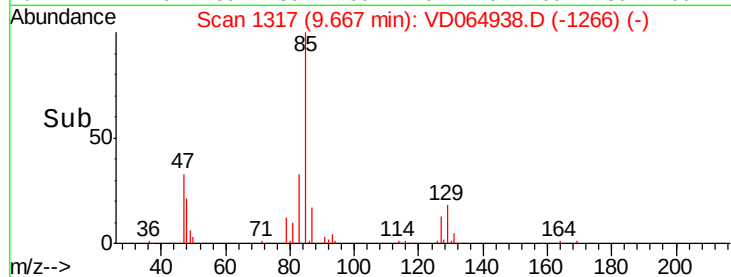
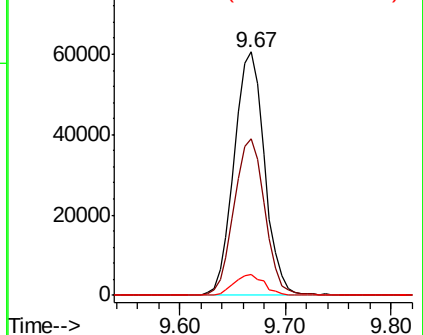
83 100

85 64.6 52.0 78.0

127 8.4 7.3 10.9



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: 18.873 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

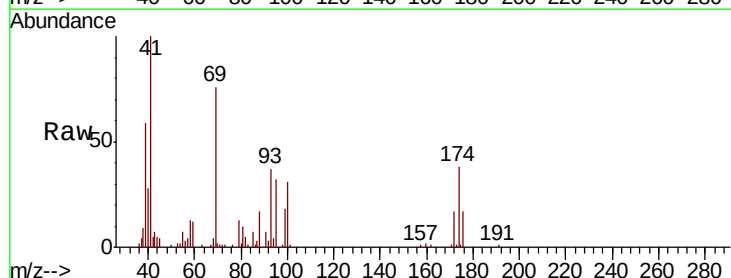
Tgt Ion: 41 Resp: 43700

Ion Ratio Lower Upper

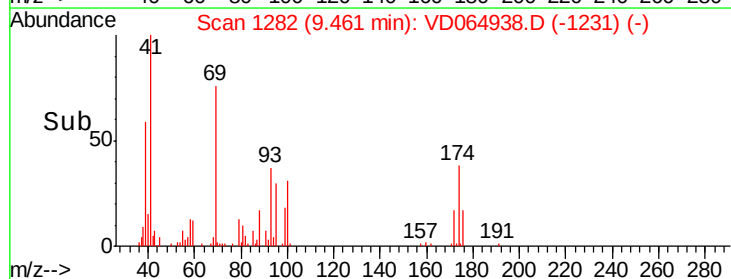
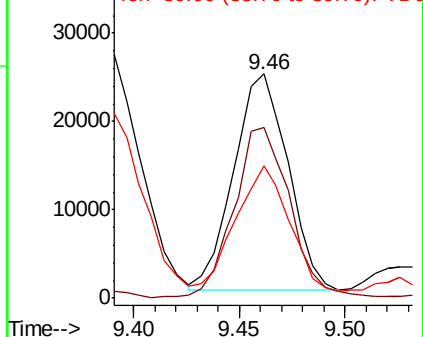
41 100

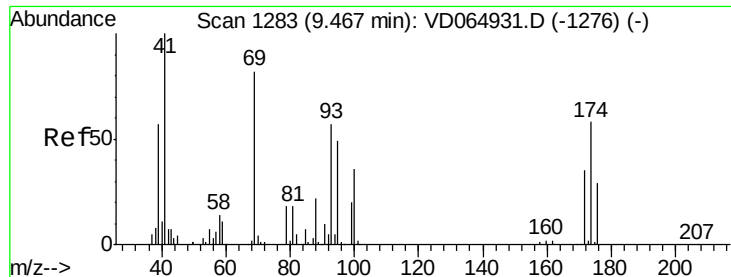
69 82.0 65.8 98.8

39 56.9 49.4 74.0



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

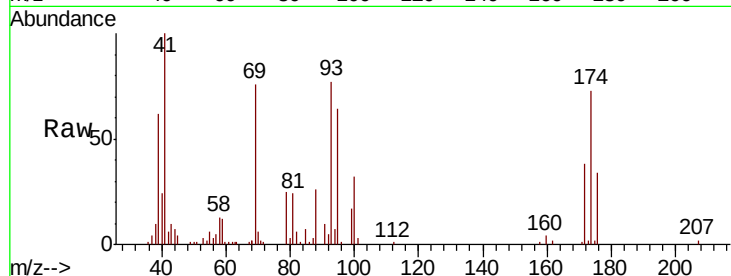




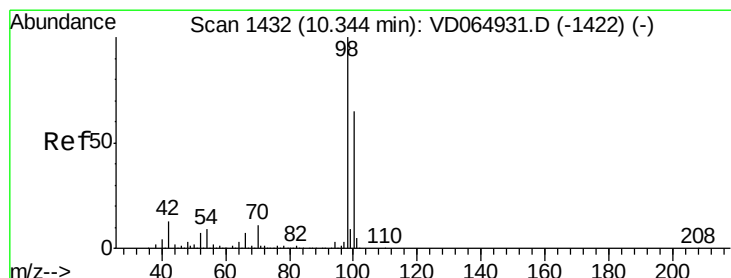
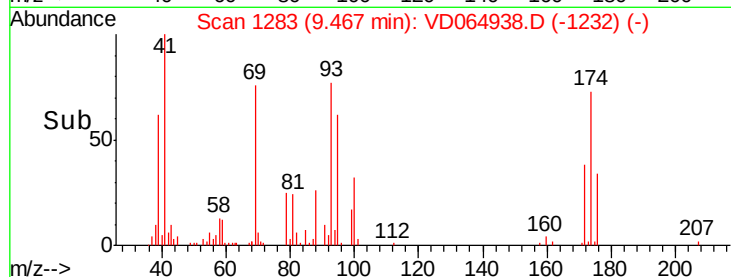
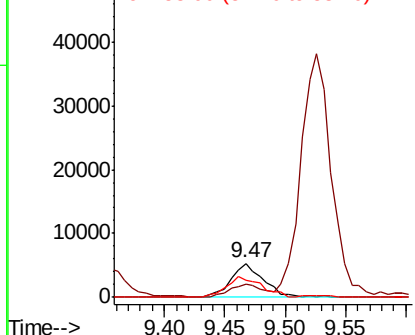
#49
1,4-Dioxane
Concen: 369.436 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10016
Ion Ratio Lower Upper
88 100
43 40.6 26.2 39.4#
58 64.2 50.3 75.5

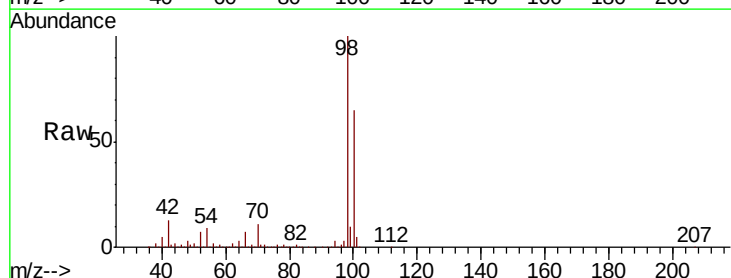


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

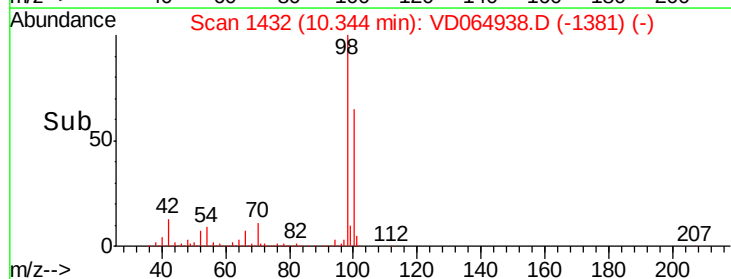
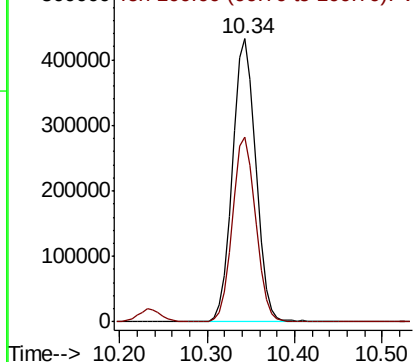


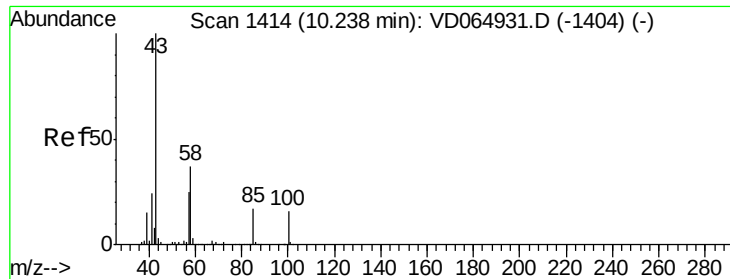
#50
Toluene-d8
Concen: 48.357 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 98 Resp: 780013
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



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: 88.512 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

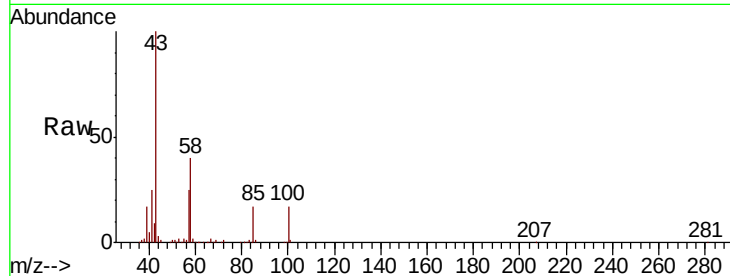
ClientSampleId :

Tot Ion: 43 Resp: 222847

Ion Ratio Lower Upper

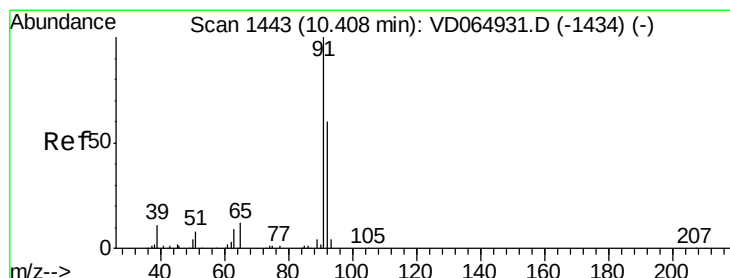
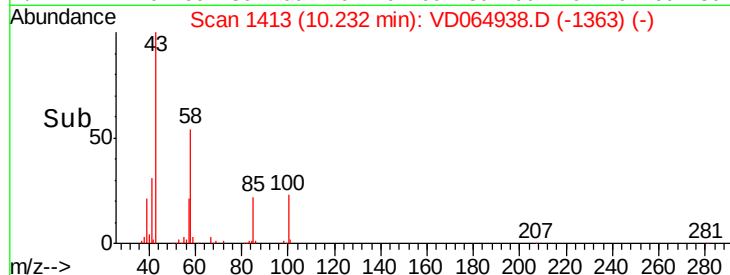
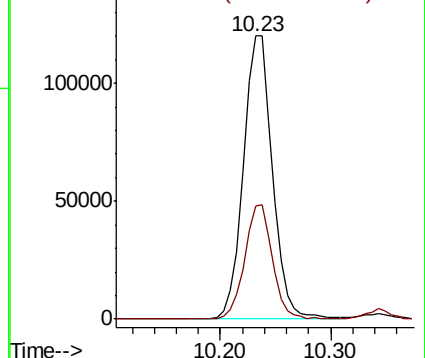
43 100

58 38.3 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.587 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064938.D

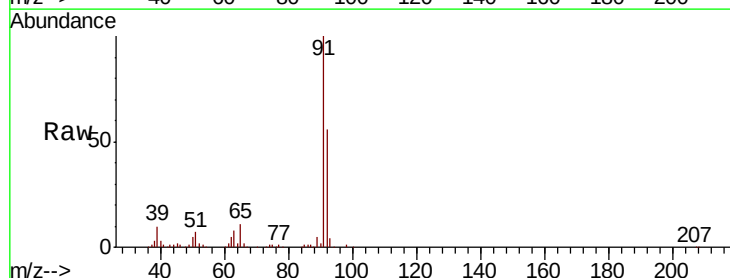
Acq: 24 Jan 2020 12:51

Tgt Ion: 92 Resp: 223040

Ion Ratio Lower Upper

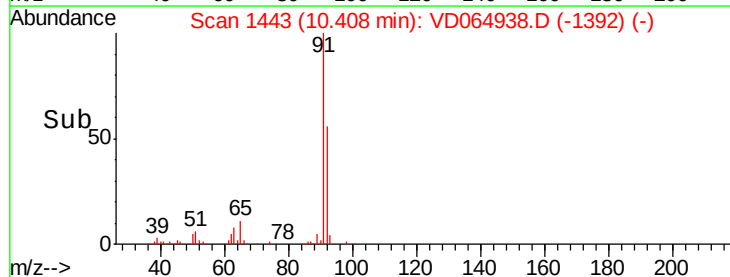
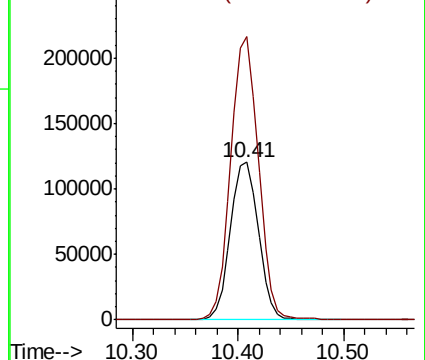
92 100

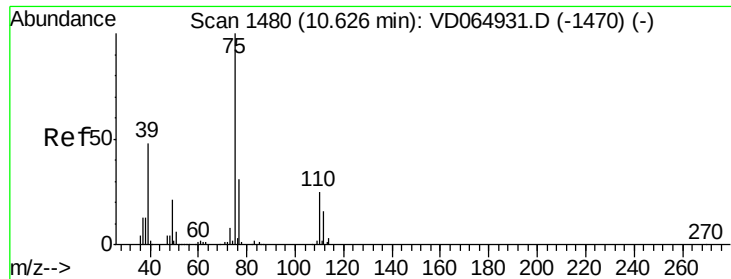
91 176.2 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.841 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

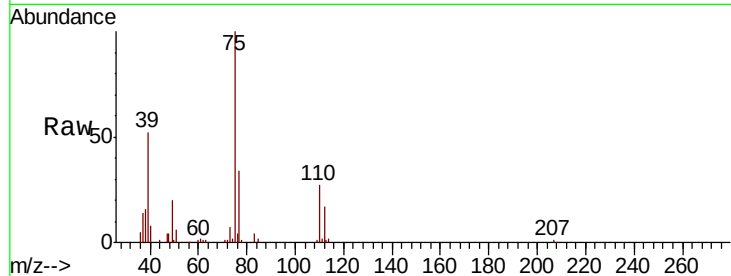
ClientSampleId :

Tot Ion: 75 Resp: 109168

Ion Ratio Lower Upper

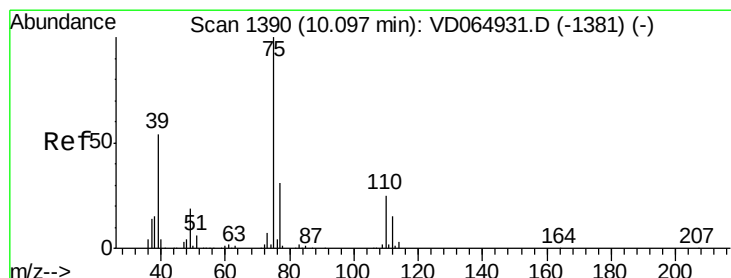
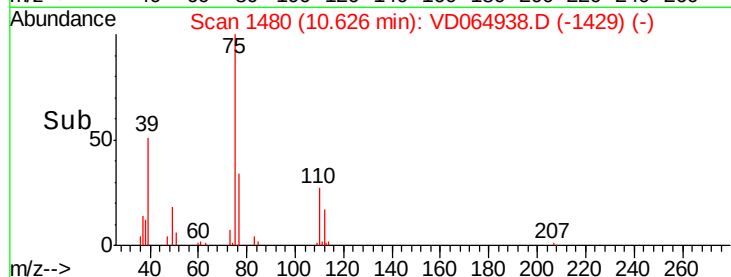
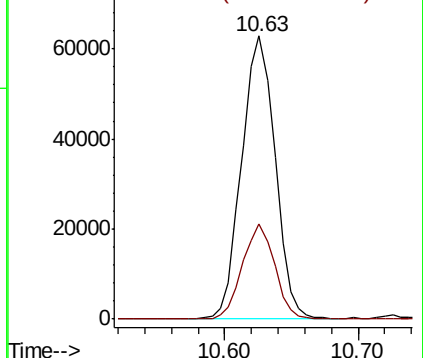
75 100

77 33.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.345 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

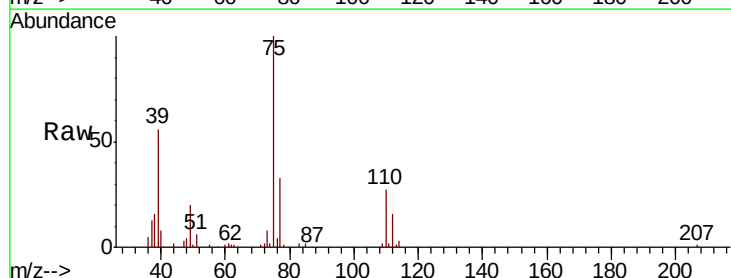
Tgt Ion: 75 Resp: 131235

Ion Ratio Lower Upper

75 100

77 33.2 25.1 37.7

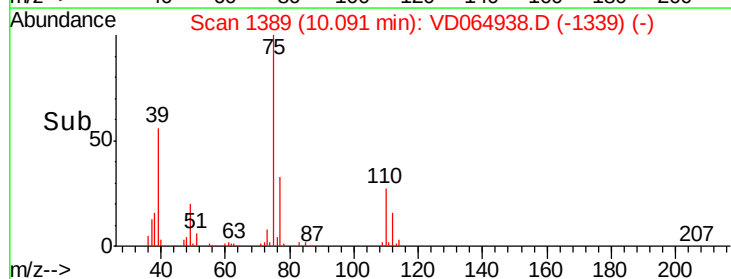
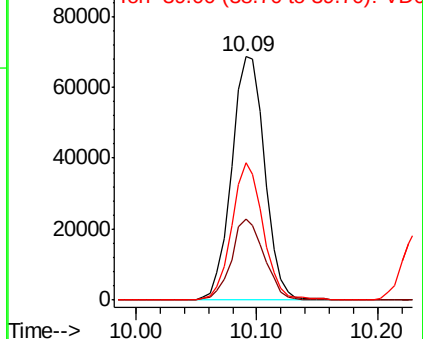
39 56.3 43.0 64.6

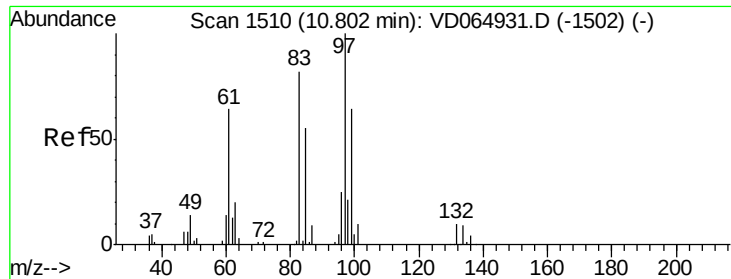


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

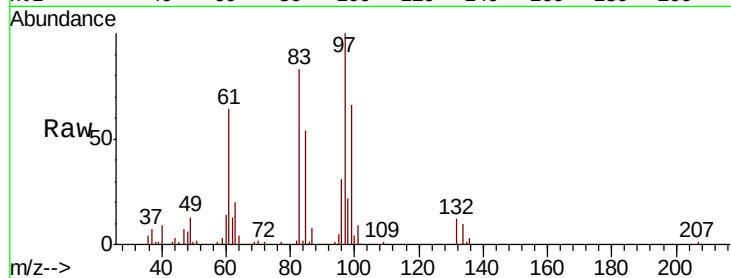




#55
 1,1,2-Trichloroethane
 Concen: 18.760 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	59072
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.0	99.0
85	54.5	44.4	66.6
99	66.0	51.4	77.0



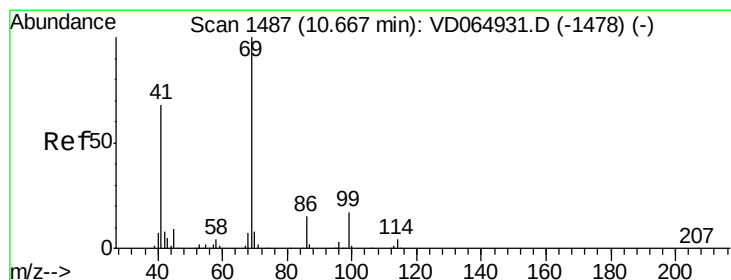
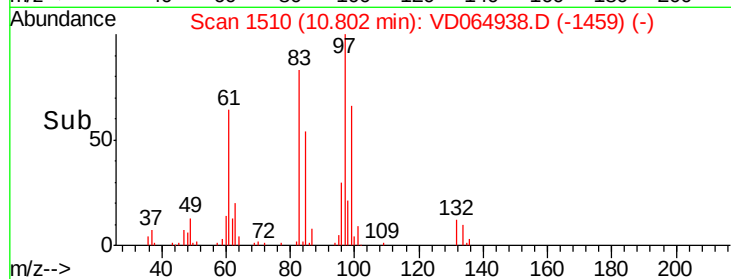
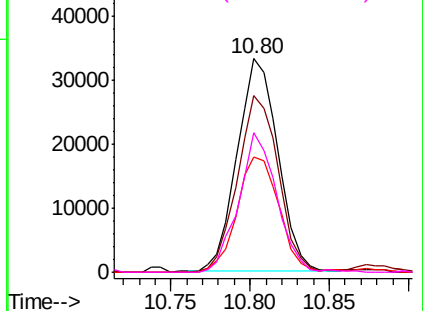
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

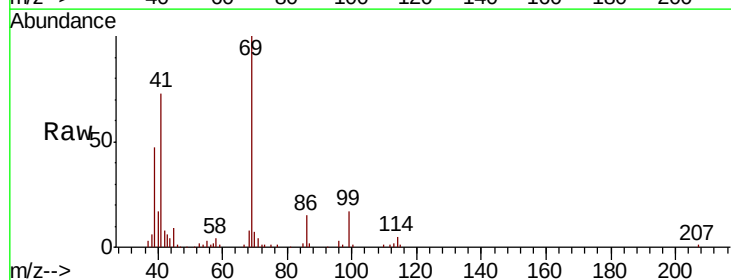
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 18.151 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion:	69	Resp:	68347
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.4	84.6
39	42.0	30.6	46.0

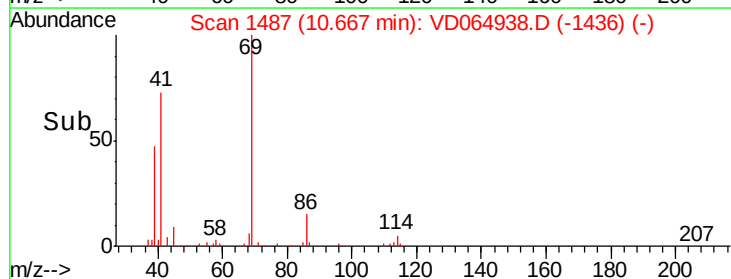
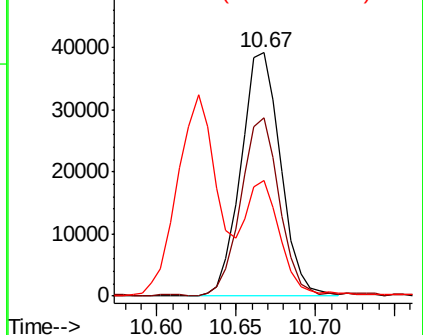


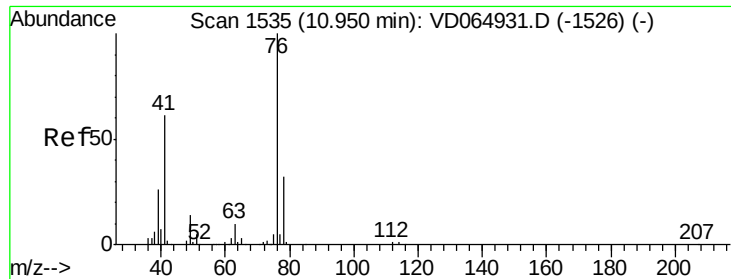
Abundance

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: 19.485 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

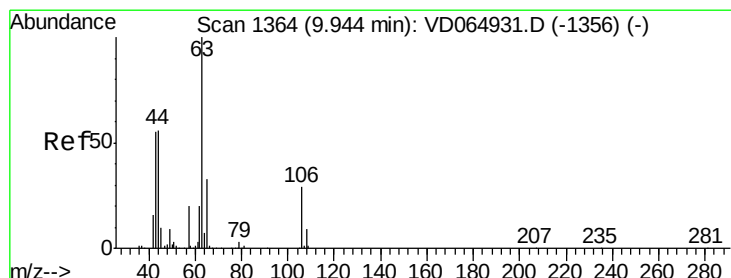
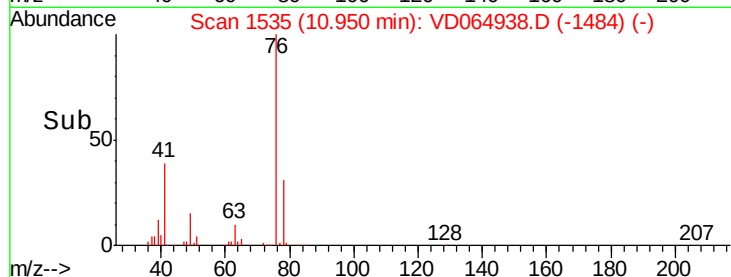
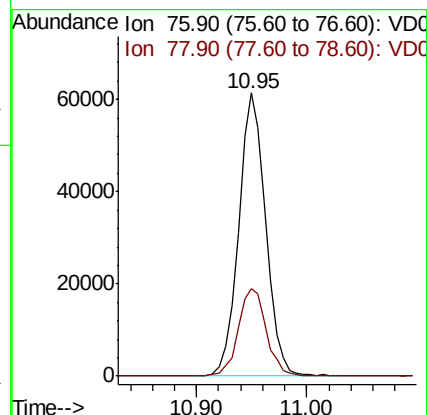
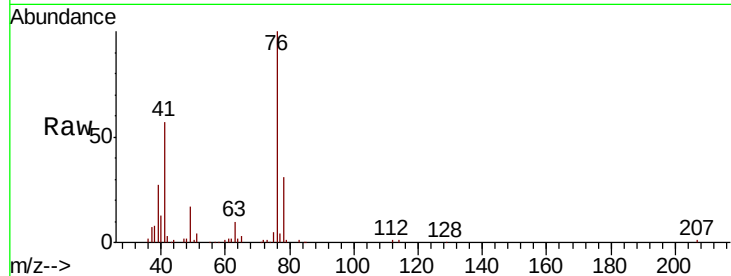
ClientSampled :

Tot Ion: 76 Resp: 105231

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 90.138 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064938.D

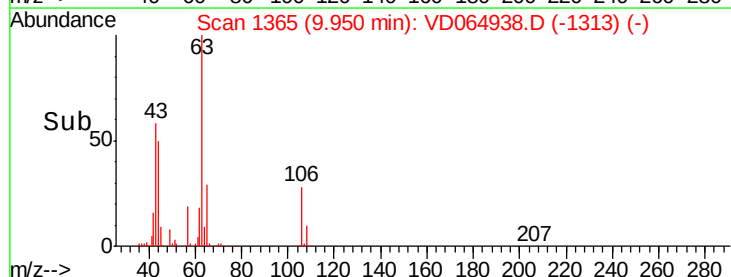
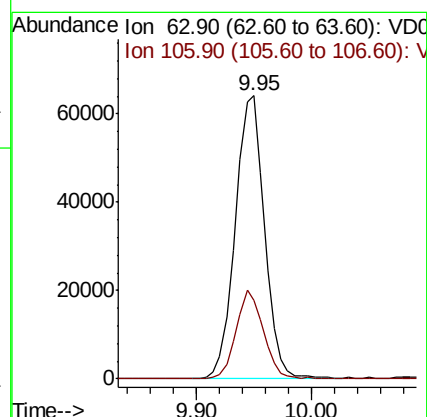
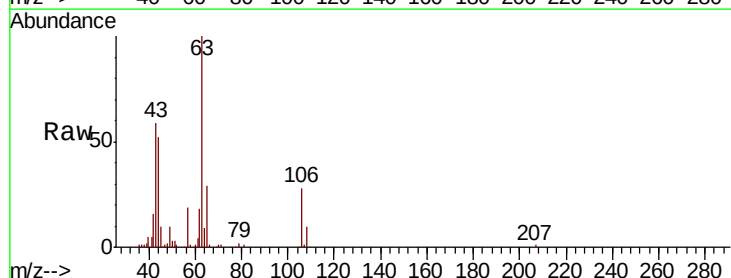
Acq: 24 Jan 2020 12:51

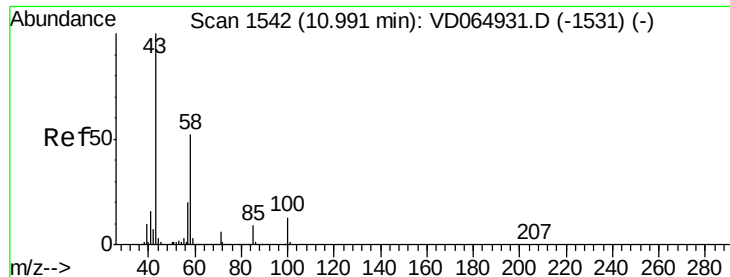
Tgt Ion: 63 Resp: 112759

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.4

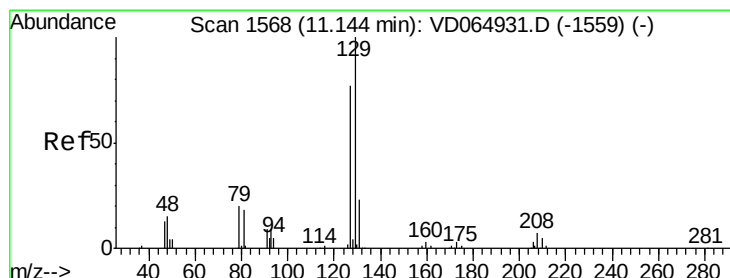
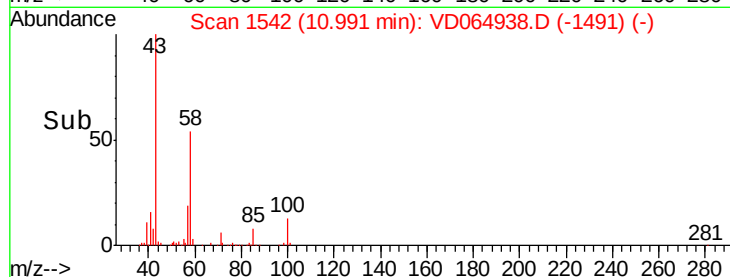
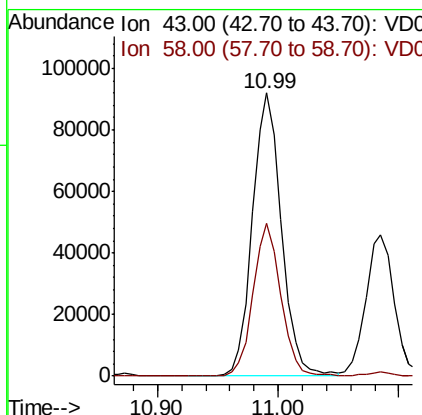
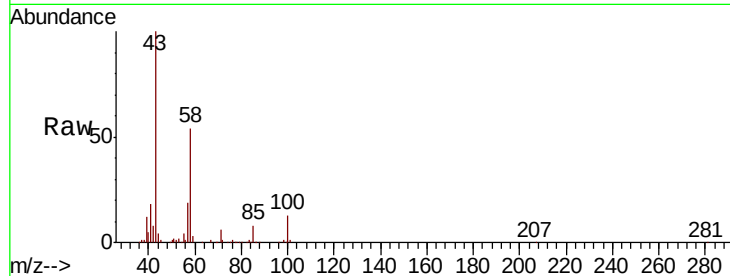




#59
2-Hexanone
Concen: 88.541 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

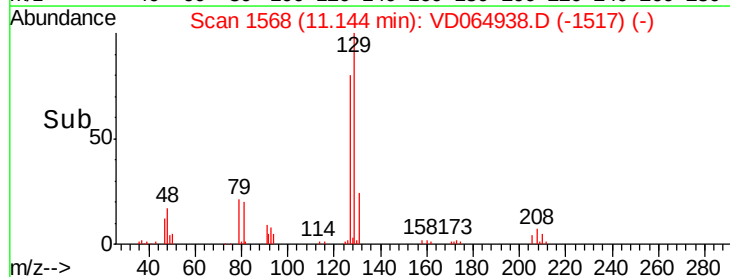
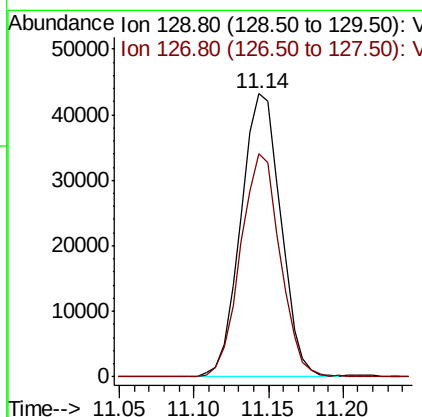
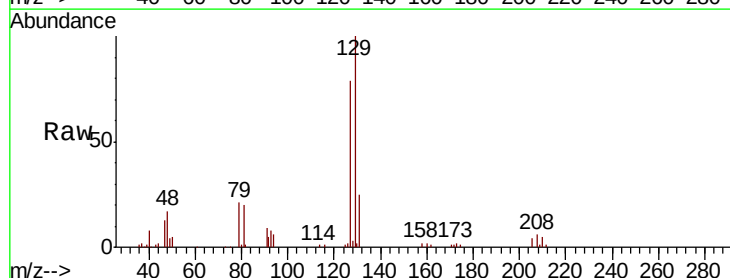
Instrument :
MSVOA_D
ClientSampled :

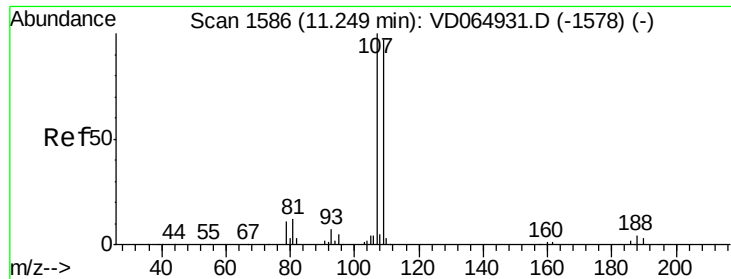
Tot Ion: 43 Resp: 153763
Ion Ratio Lower Upper
43 100
58 51.6 26.5 79.4



#60
Dibromochloromethane
Concen: 19.058 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 129 Resp: 80207
Ion Ratio Lower Upper
129 100
127 78.3 38.2 114.6

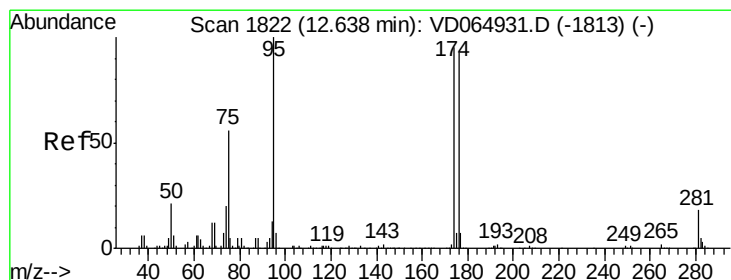
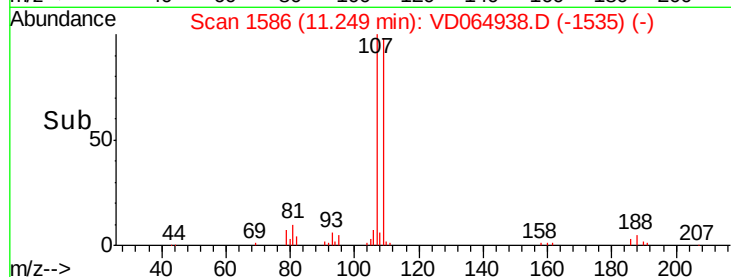
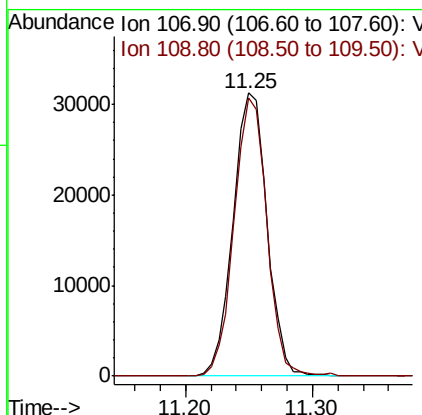
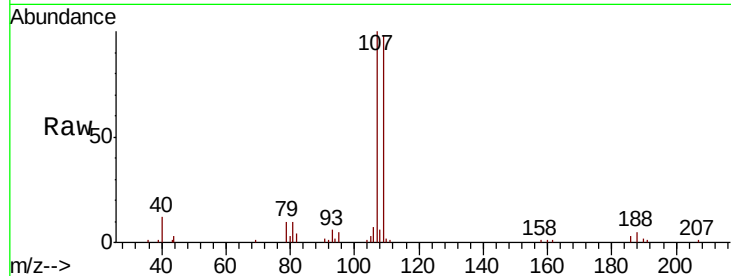




#61
 1,2-Dibromoethane
 Concen: 19.120 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

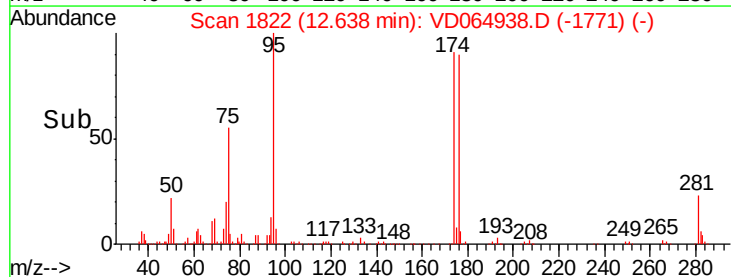
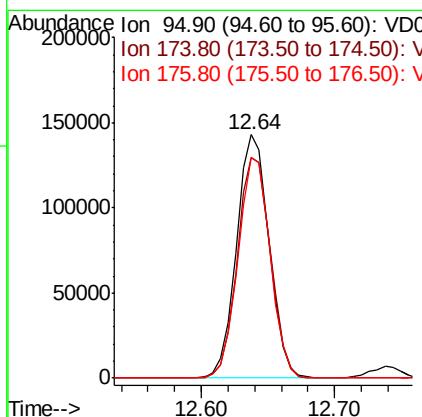
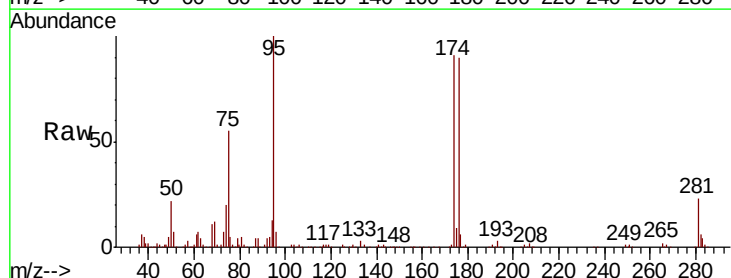
Instrument :
 MSVOA_D
 ClientSampleId :

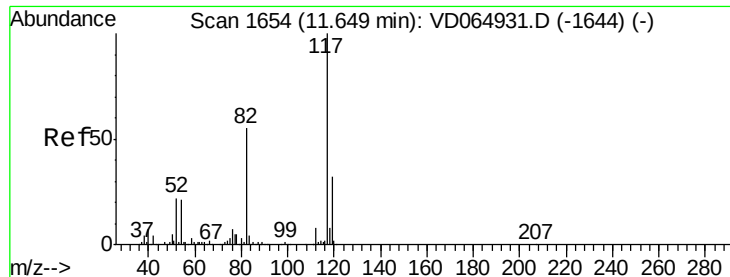
Tot Ion: 107 Resp: 57971
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 48.736 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion: 95 Resp: 240574
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.8
 176 89.5 0.0 183.4

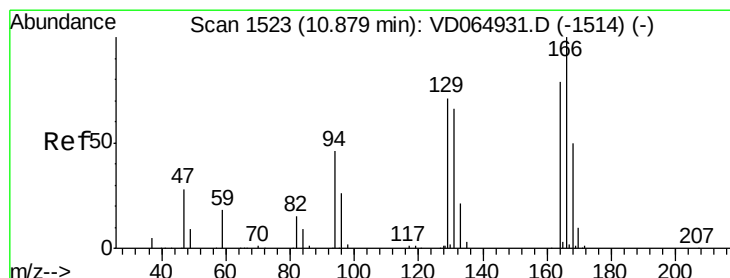
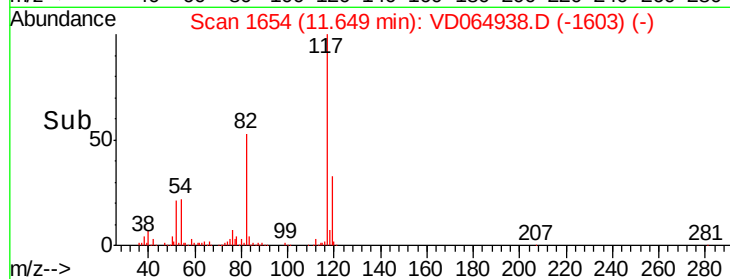
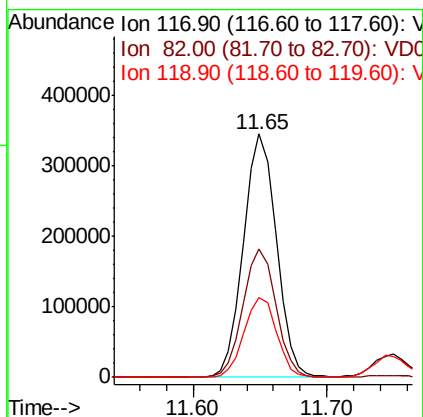
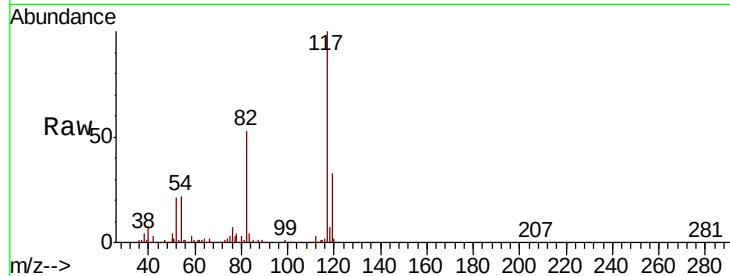




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

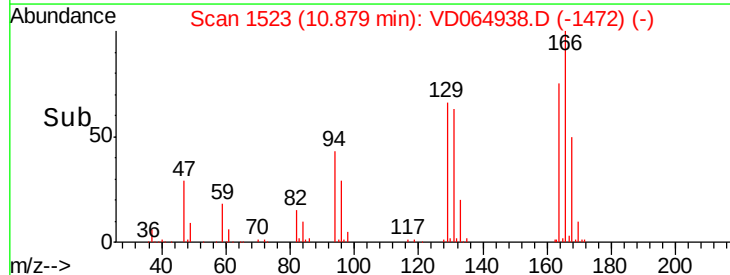
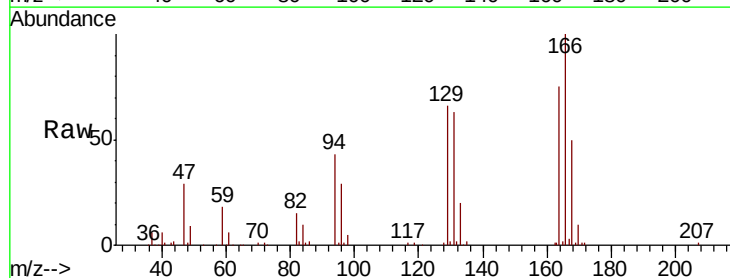
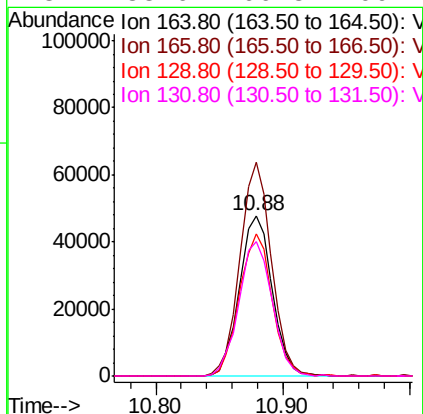
Instrument :
MSVOA_D
ClientSampled :

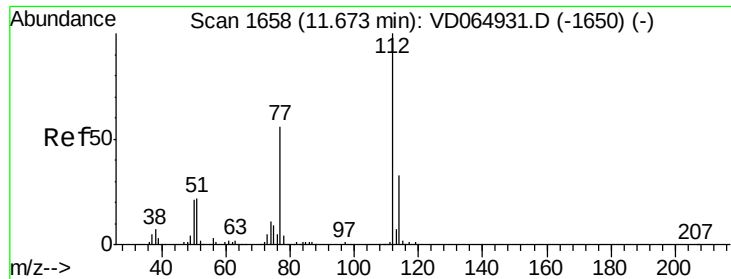
Tot Ion:117 Resp: 589492
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 32.9 25.2 37.8



#64
Tetrachloroethene
Concen: 20.165 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion:164 Resp: 85898
Ion Ratio Lower Upper
164 100
166 133.5 101.4 152.2
129 88.4 71.8 107.8
131 83.6 66.8 100.2

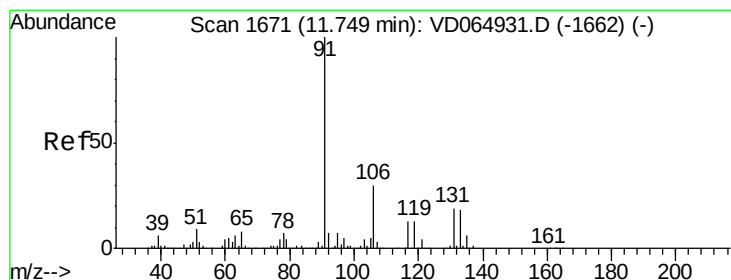
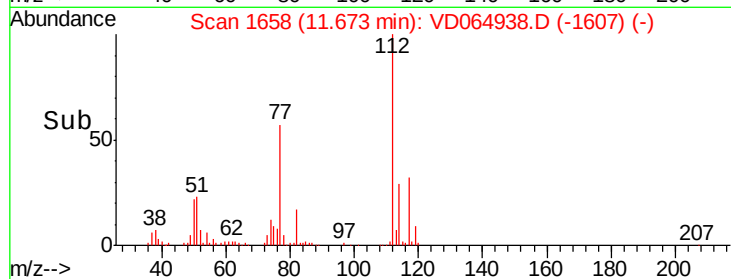
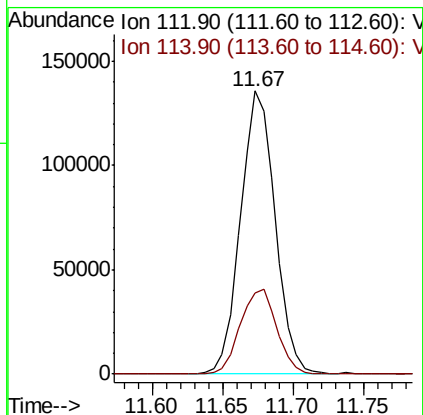
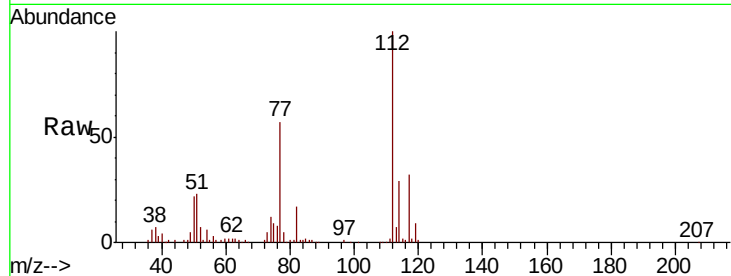




#65
Chlorobenzene
Concen: 19.490 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

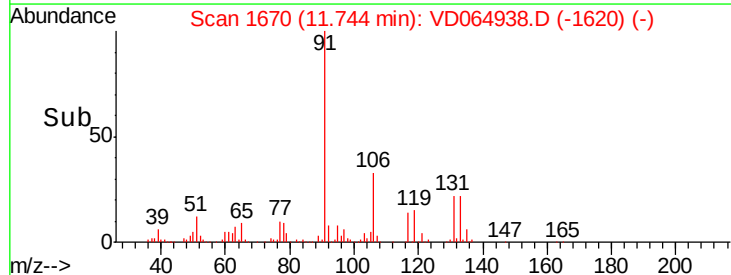
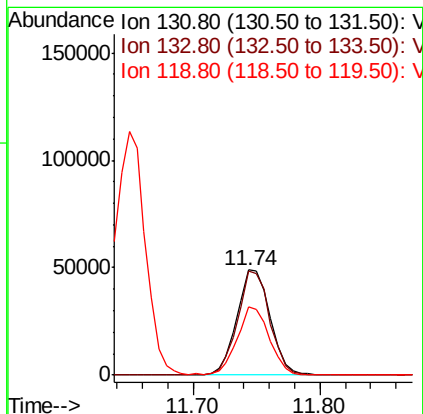
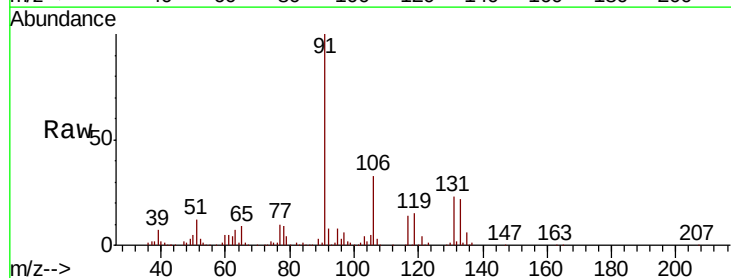
Instrument :
MSVOA_D
ClientSampleId :

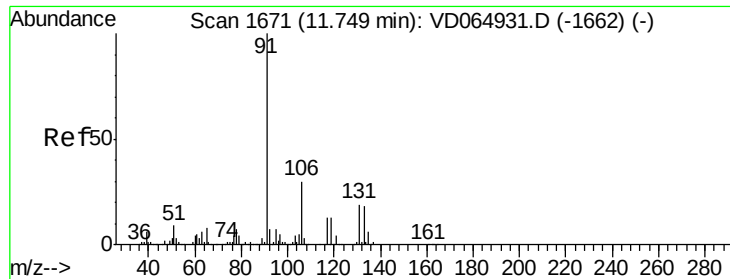
Tot Ion:112 Resp: 233274
Ion Ratio Lower Upper
112 100
114 28.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.765 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion:131 Resp: 88968
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.5
119 62.7 31.1 93.5





#67

Ethyl Benzene

Concen: 19.806 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

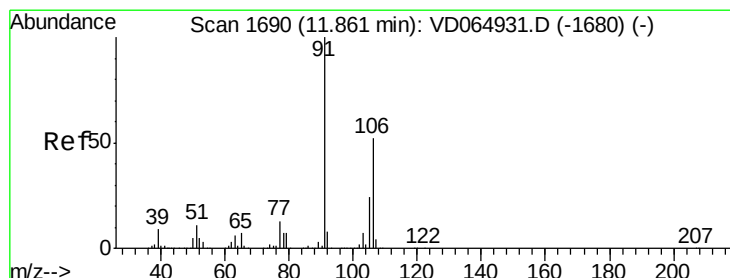
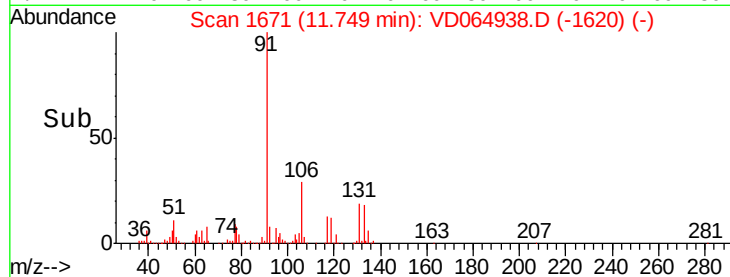
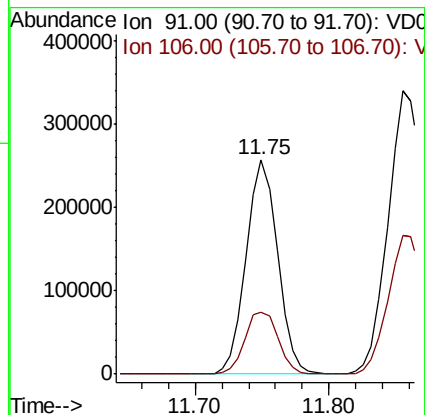
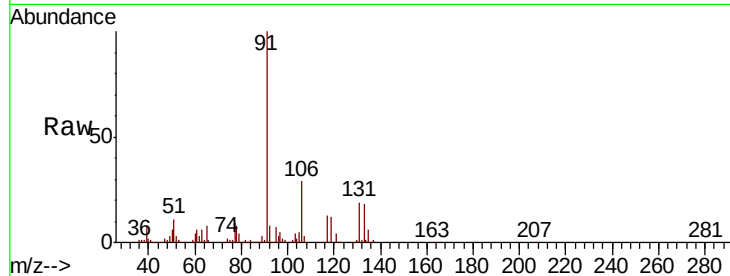
ClientSampleId :

Tot Ion: 91 Resp: 420862

Ion Ratio Lower Upper

91 100

106 28.9 24.3 36.5



#68

m/p-Xylenes

Concen: 39.200 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064938.D

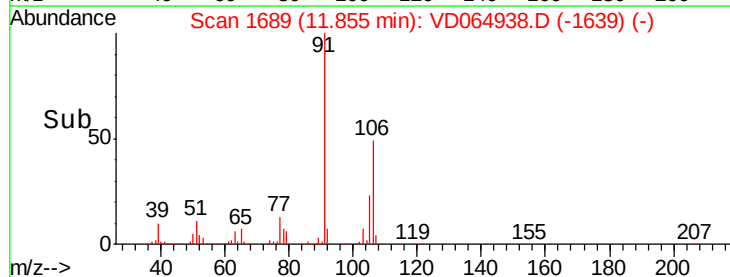
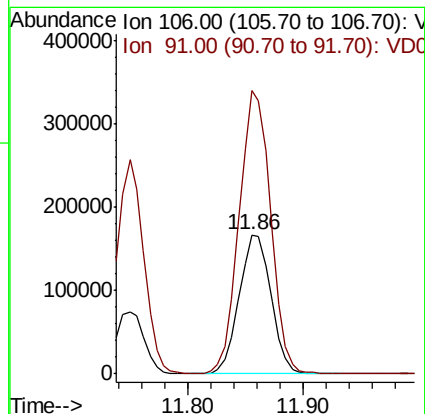
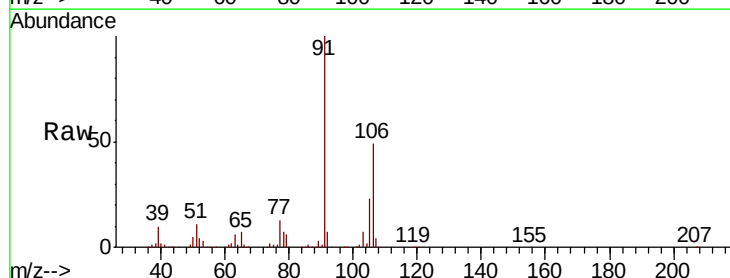
Acq: 24 Jan 2020 12:51

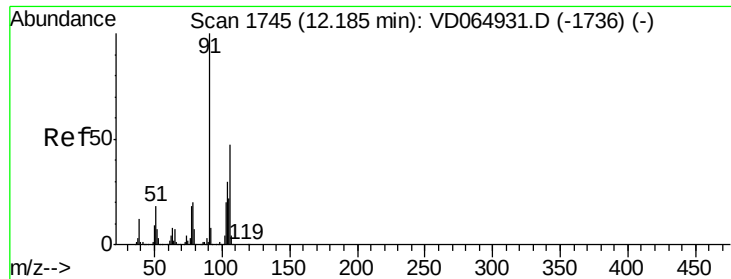
Tgt Ion: 106 Resp: 320706

Ion Ratio Lower Upper

106 100

91 201.1 159.0 238.4

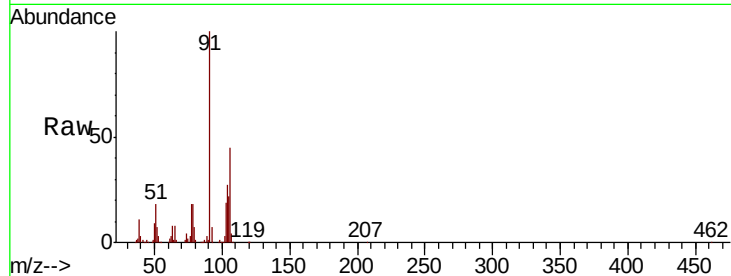




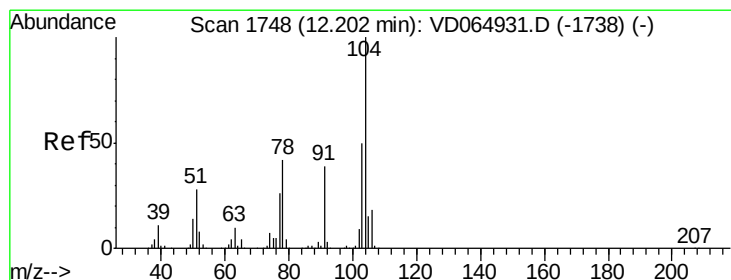
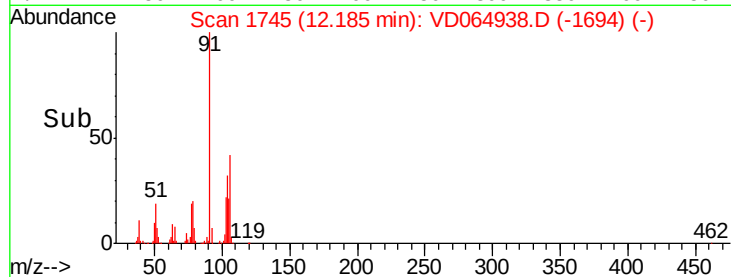
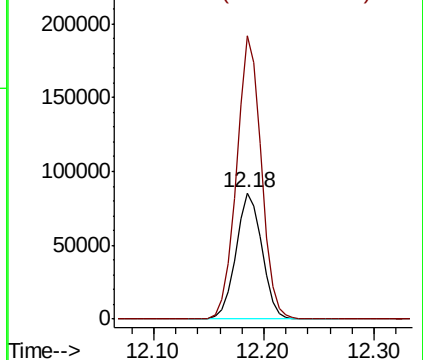
#69
o-Xylene
Concen: 19.500 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 141592
Ion Ratio Lower Upper
106 100
91 213.2 106.7 319.9

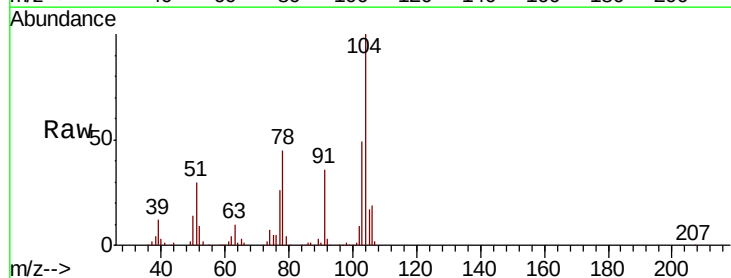


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

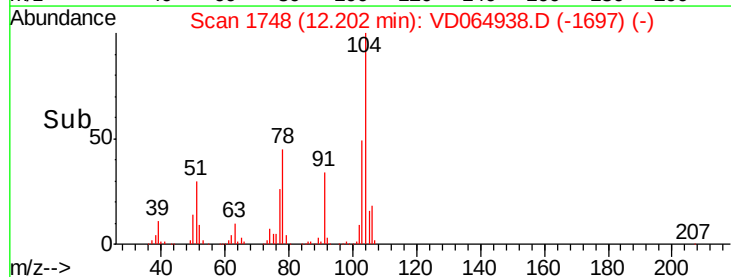
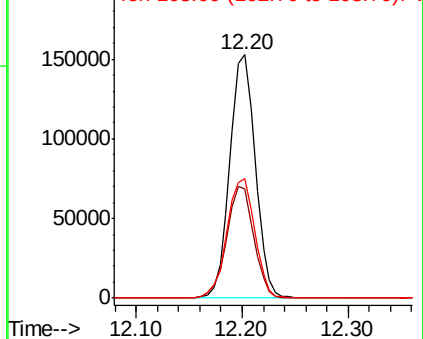


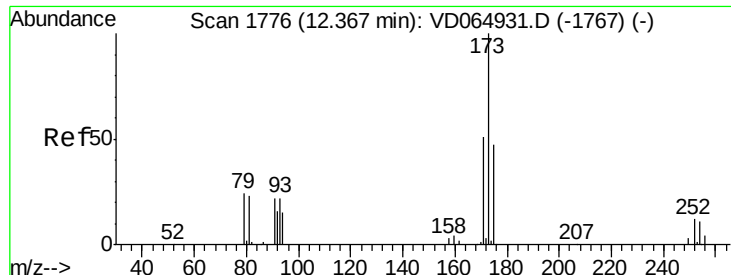
#70
Styrene
Concen: 19.742 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion:104 Resp: 255353
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 53.4 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.994 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

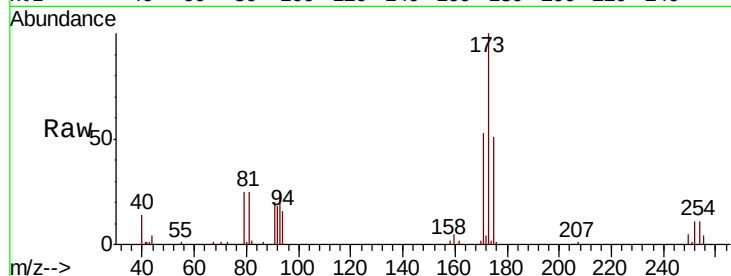
Tot Ion:173 Resp: 47526

Ion Ratio Lower Upper

173 100

175 47.3 24.6 73.8

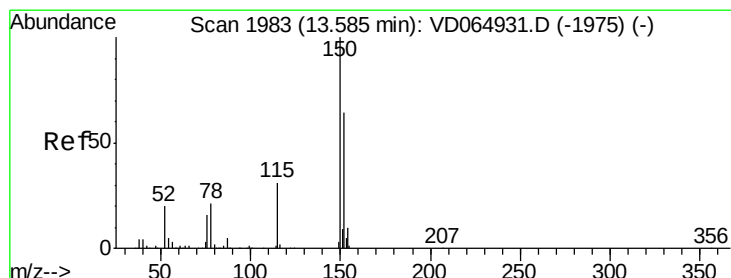
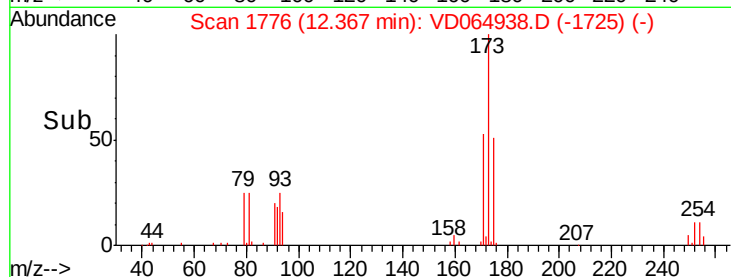
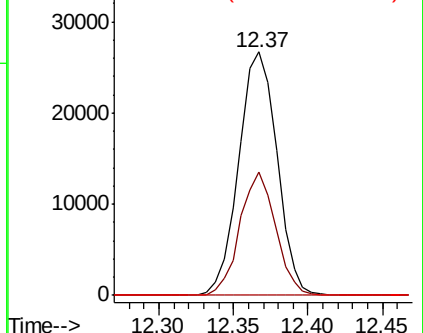
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

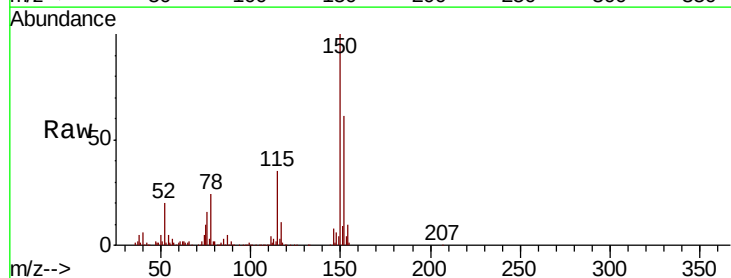
Tgt Ion:152 Resp: 282806

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.4

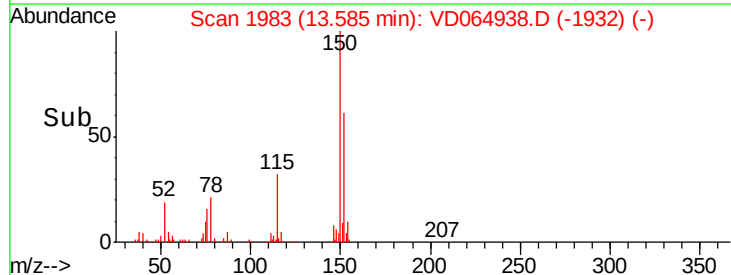
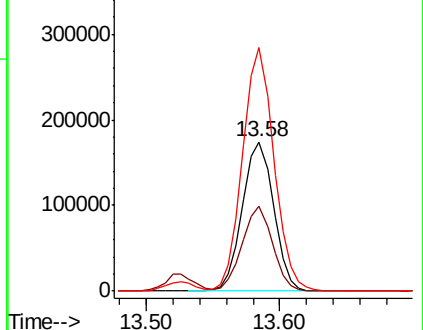
150 163.4 0.0 350.4

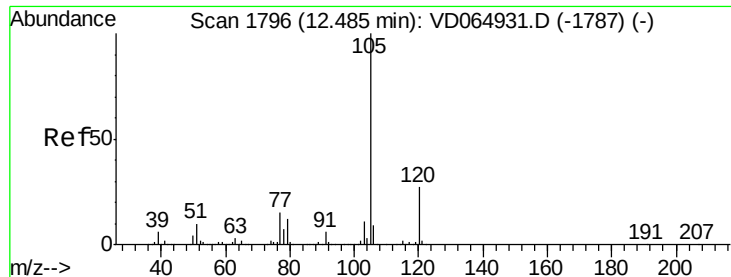


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.456 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

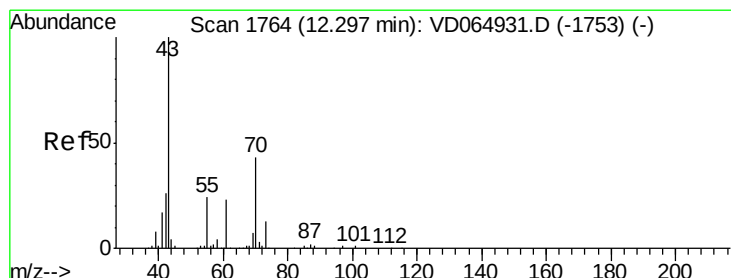
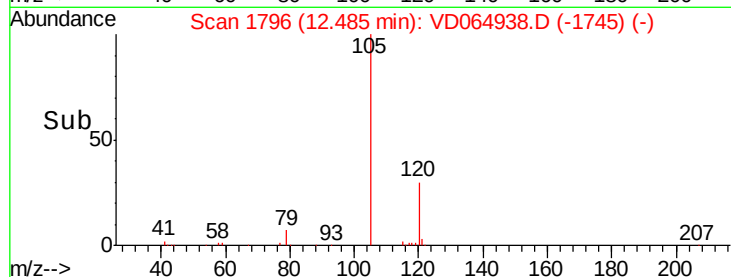
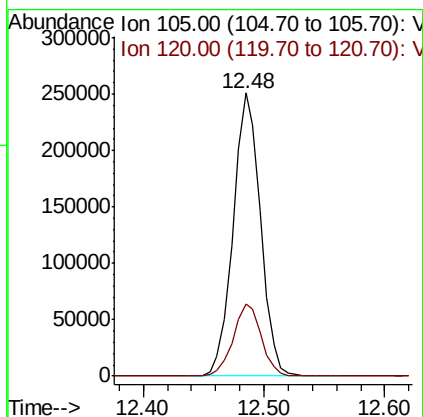
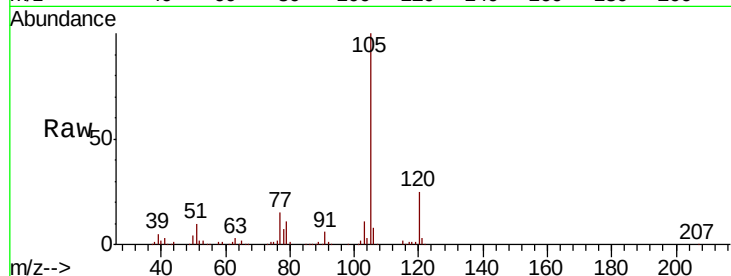
ClientSampleId :

Tot Ion:105 Resp: 395397

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.8



#74

N-ethyl acetate

Concen: 19.008 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Tgt Ion: 43 Resp: 82215

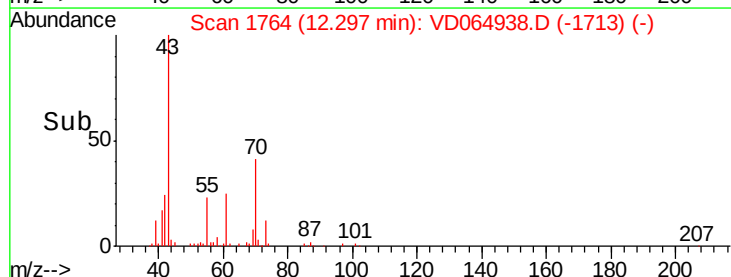
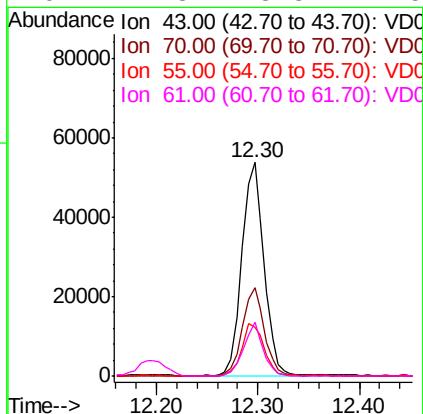
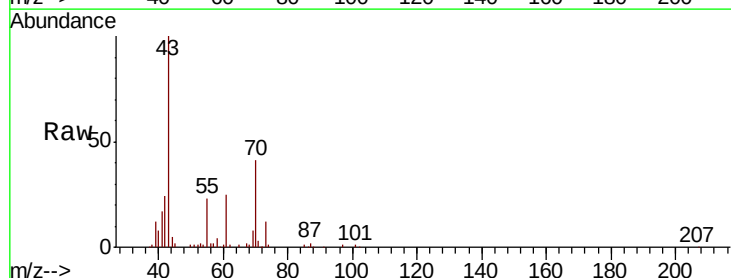
Ion Ratio Lower Upper

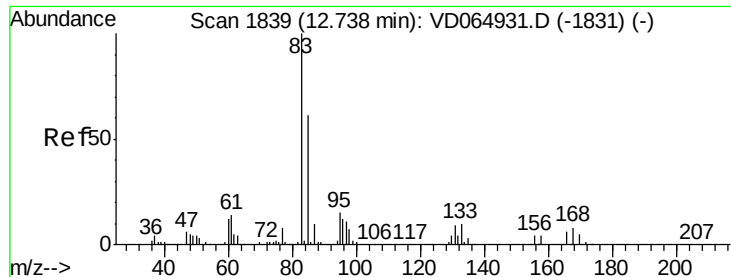
43 100

70 40.4 32.6 49.0

55 24.5 19.9 29.9

61 21.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.882 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

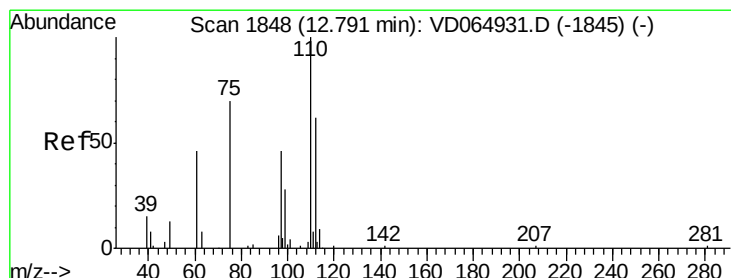
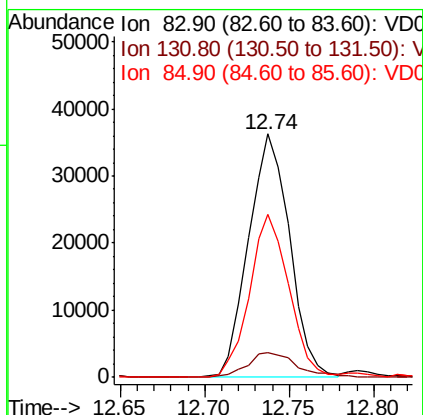
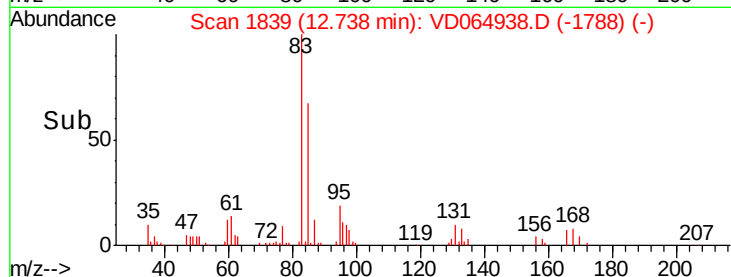
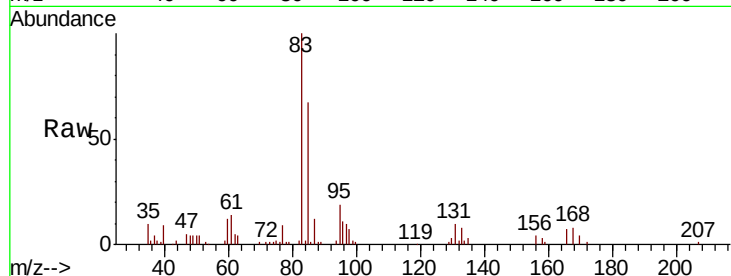
Tot Ion: 83 Resp: 61344

Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.4

85 64.1 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 36.853 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064938.D

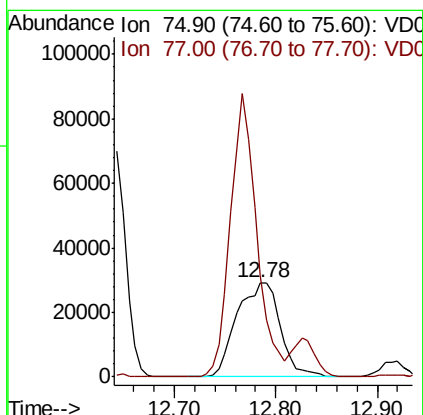
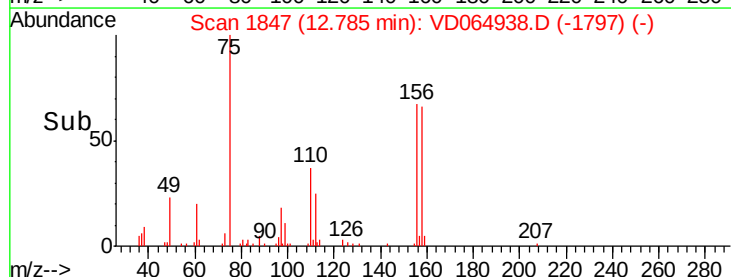
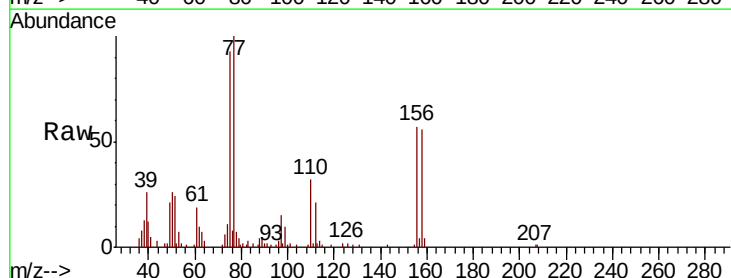
Acq: 24 Jan 2020 12:51

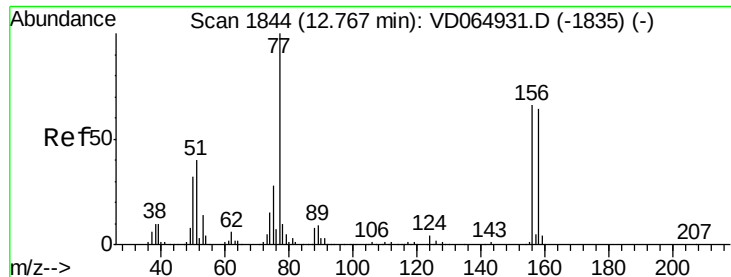
Tgt Ion: 75 Resp: 86505

Ion Ratio Lower Upper

75 100

77 183.4 0.0 0.0#





#77

Bromobenzene

Concen: 20.567 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

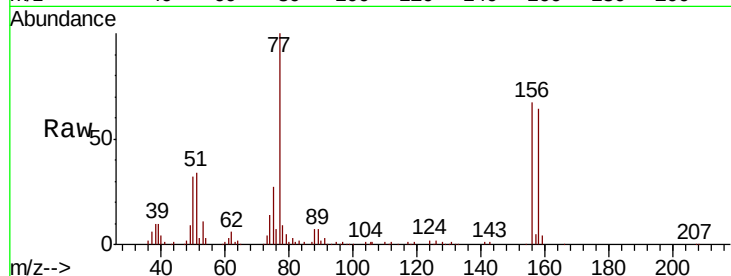
Tot Ion:156 Resp: 97270

Ion Ratio Lower Upper

156 100

77 163.1 84.2 252.5

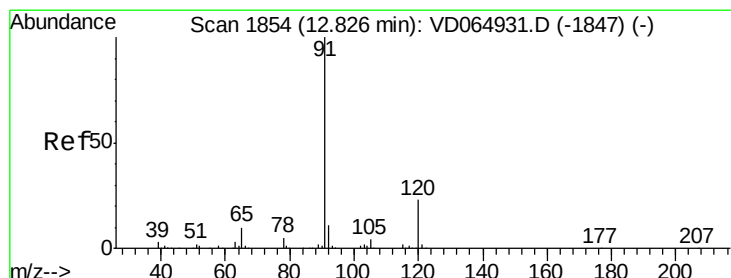
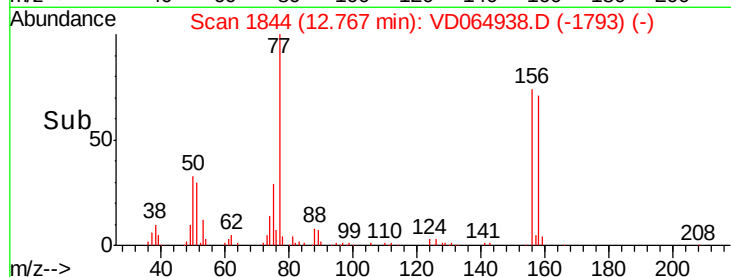
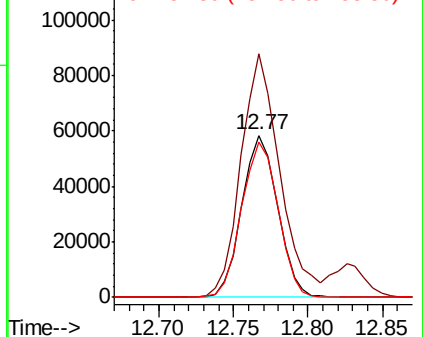
158 97.5 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.433 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064938.D

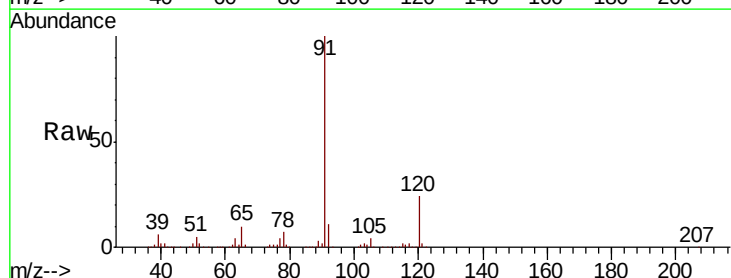
Acq: 24 Jan 2020 12:51

Tgt Ion: 91 Resp: 469691

Ion Ratio Lower Upper

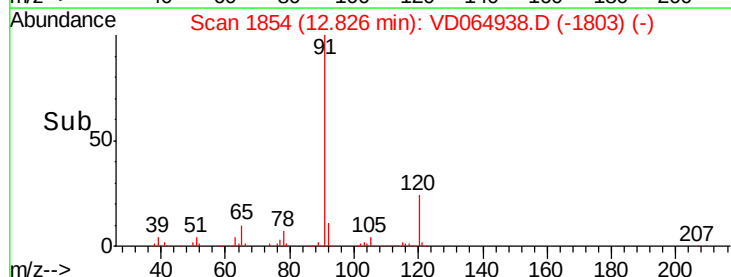
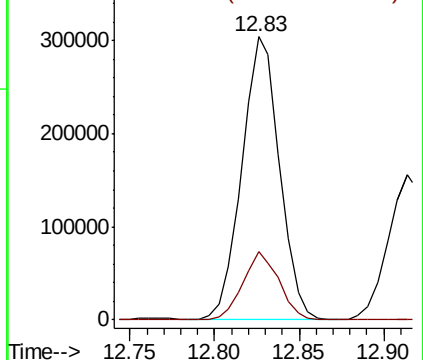
91 100

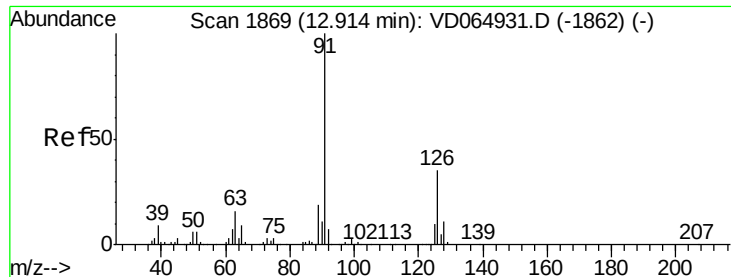
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.338 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

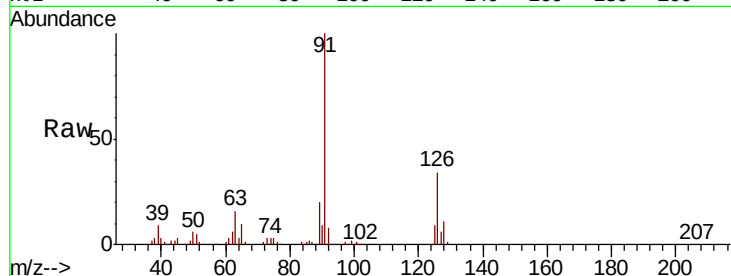
ClientSampled :

Tot Ion: 91 Resp: 256468

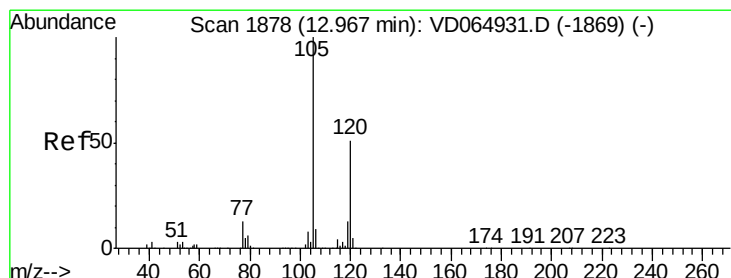
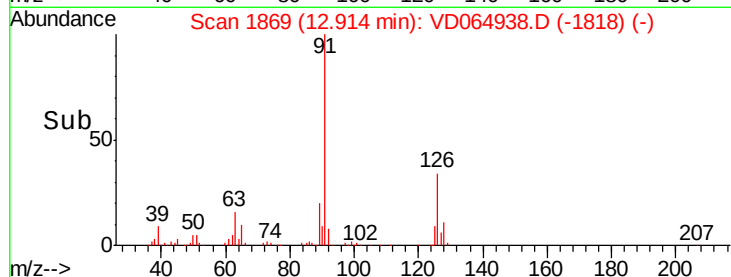
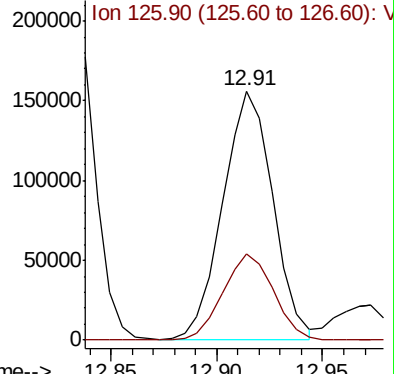
Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064938.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.603 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064938.D

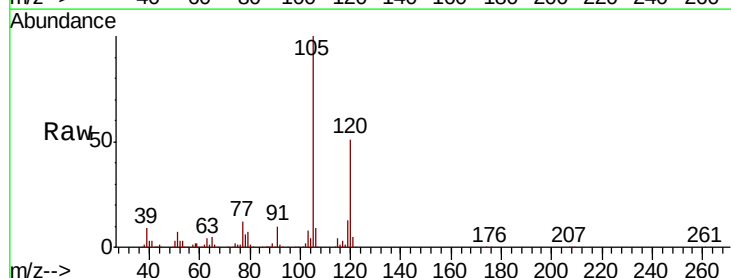
Acq: 24 Jan 2020 12:51

Tgt Ion:105 Resp: 326364

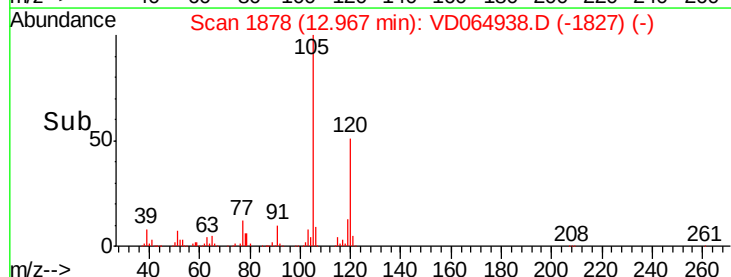
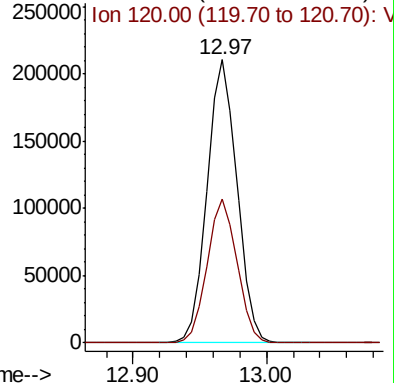
Ion Ratio Lower Upper

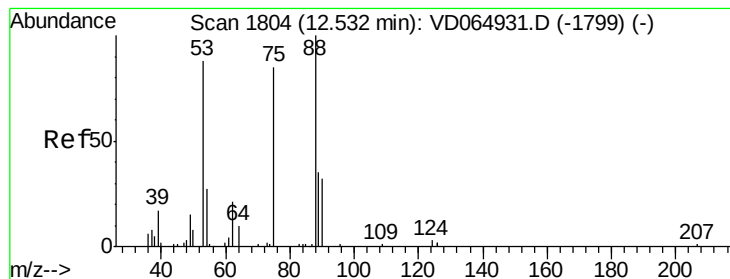
105 100

120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064938.D (-1878) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.967 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampled :

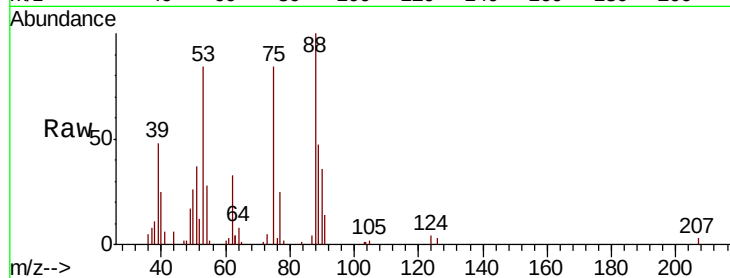
Tot Ion: 75 Resp: 19752

Ion Ratio Lower Upper

75 100

53 99.2 81.0 121.4

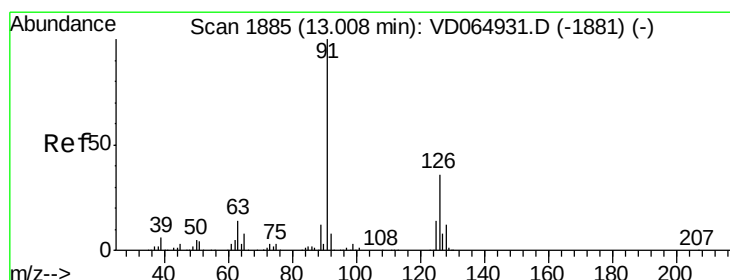
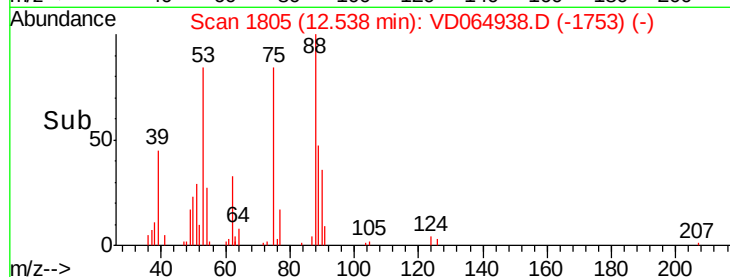
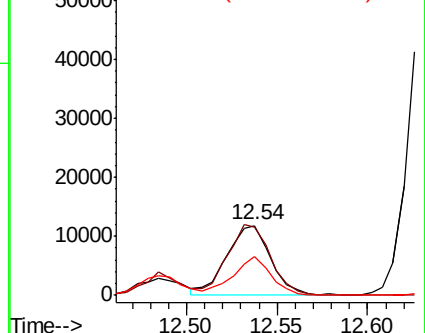
89 48.5 36.2 54.4



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: 20.103 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064938.D

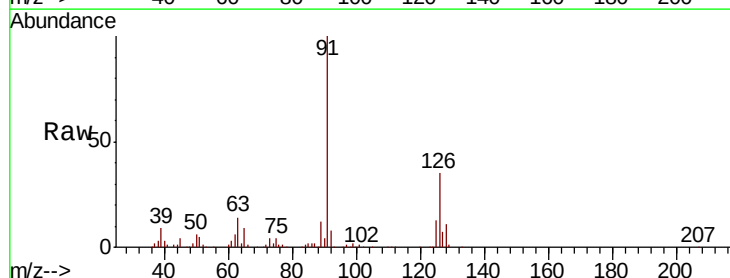
Acq: 24 Jan 2020 12:51

Tgt Ion: 91 Resp: 268855

Ion Ratio Lower Upper

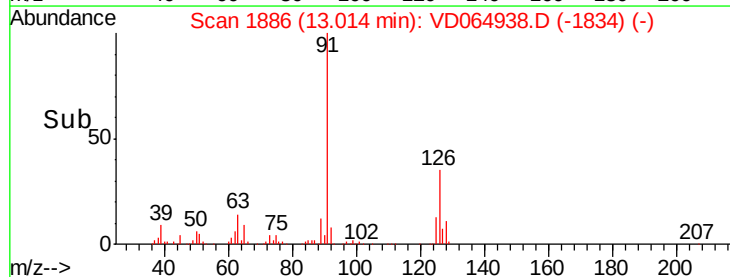
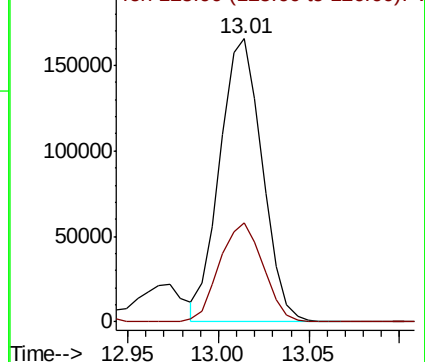
91 100

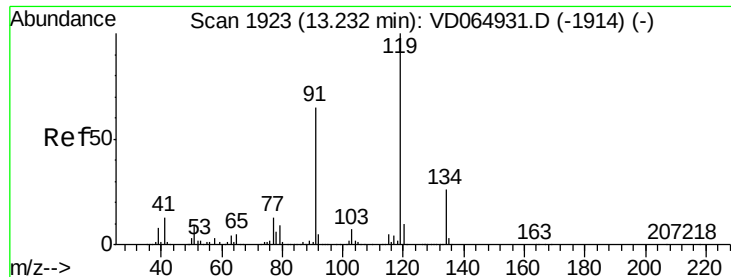
126 36.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

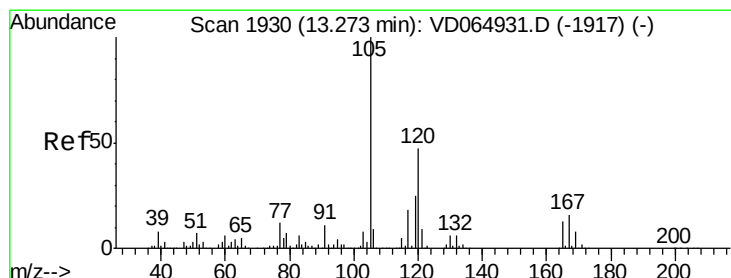
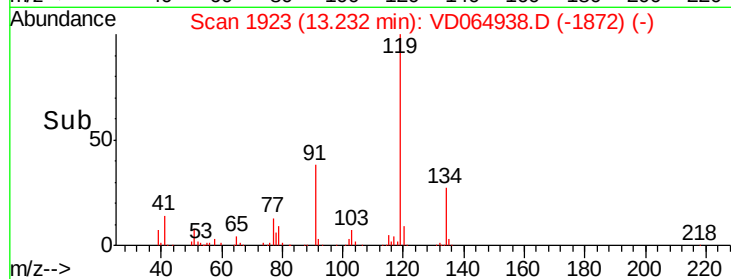
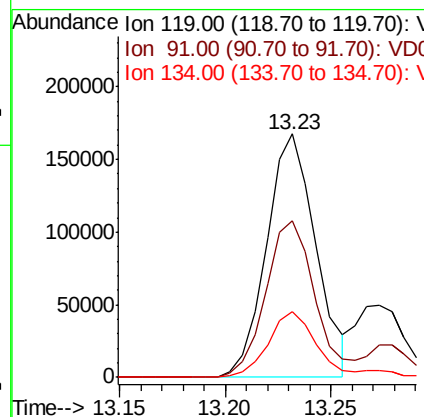
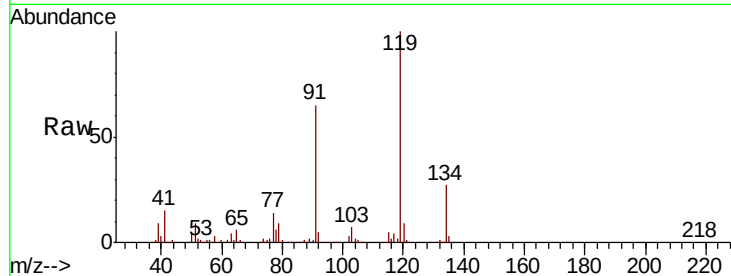




#83
tert-Butylbenzene
Concen: 20.291 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

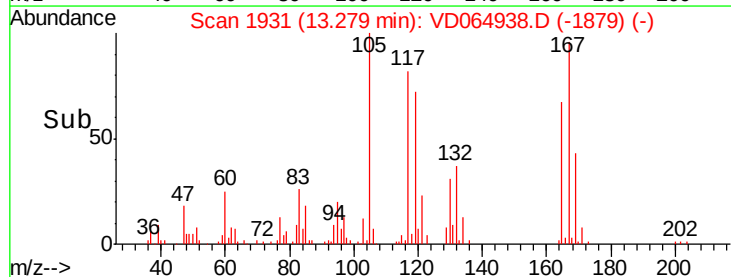
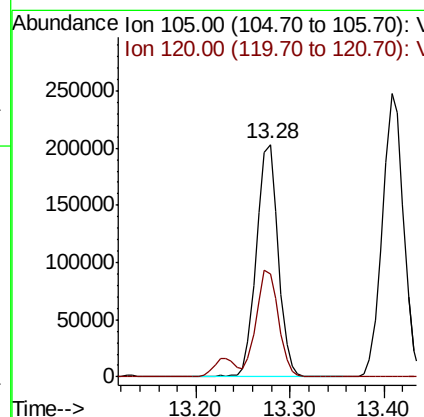
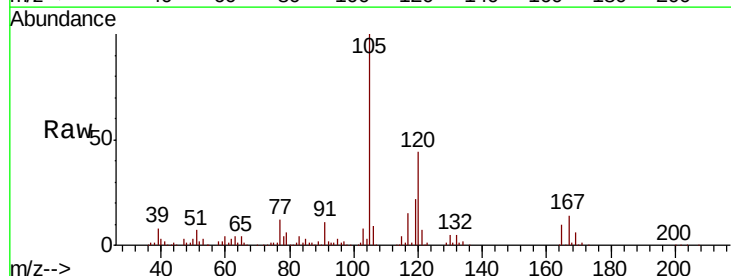
Instrument :
MSVOA_D
ClientSampleId :

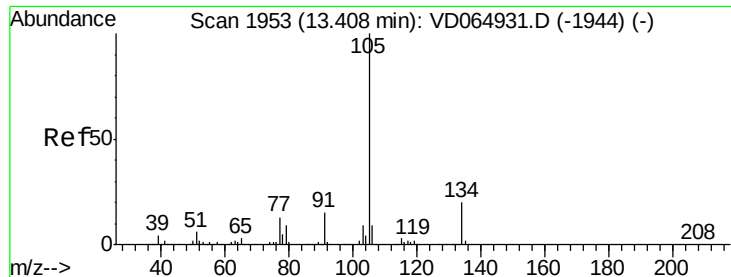
Tot Ion:119 Resp: 272757
Ion Ratio Lower Upper
119 100
91 64.8 32.0 96.0
134 25.8 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.395 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion:105 Resp: 327271
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.319 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

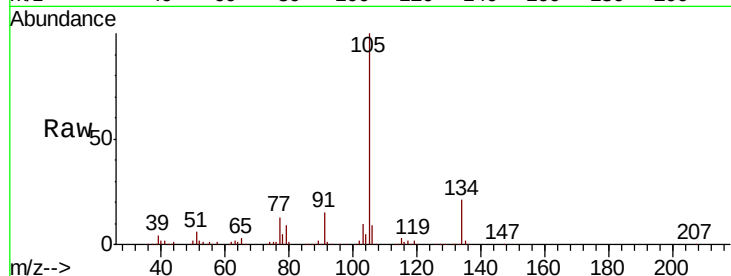
ClientSampled :

Tot Ion:105 Resp: 386746

Ion Ratio Lower Upper

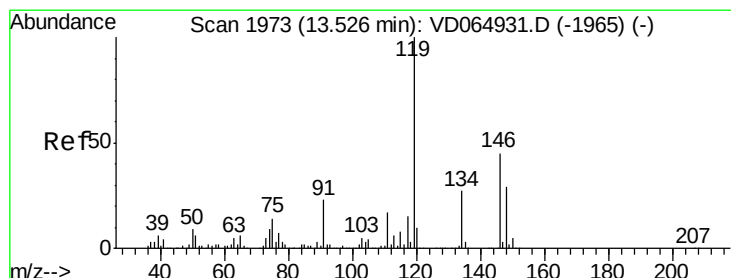
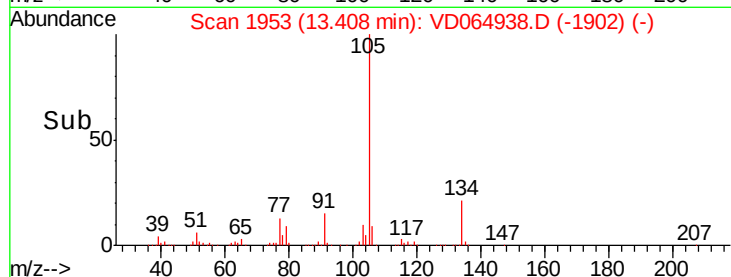
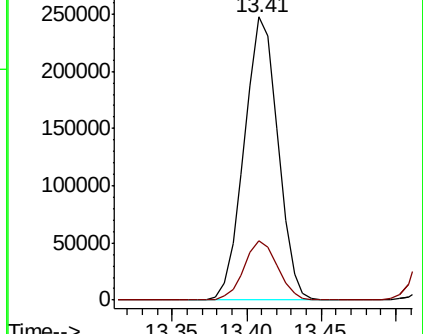
105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.392 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

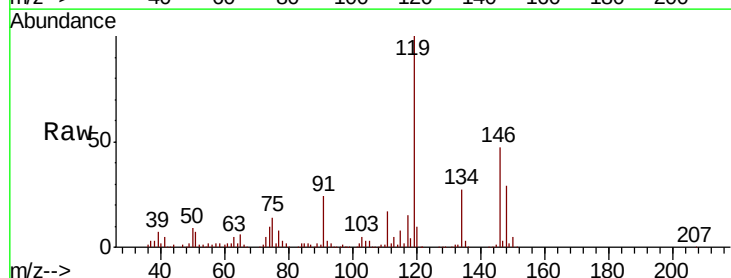
Tgt Ion:119 Resp: 363193

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

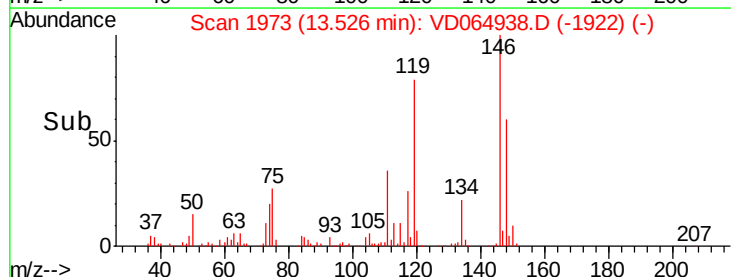
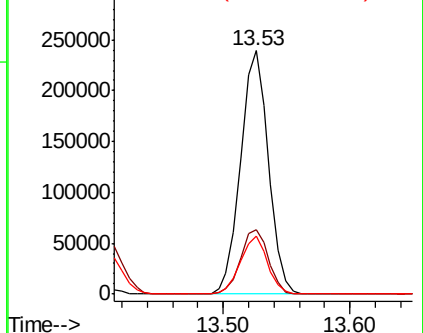
91 23.2 11.4 34.2

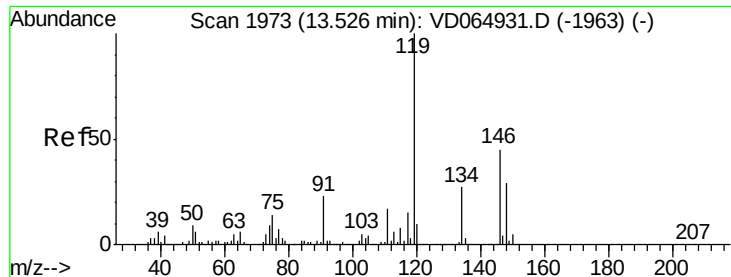


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

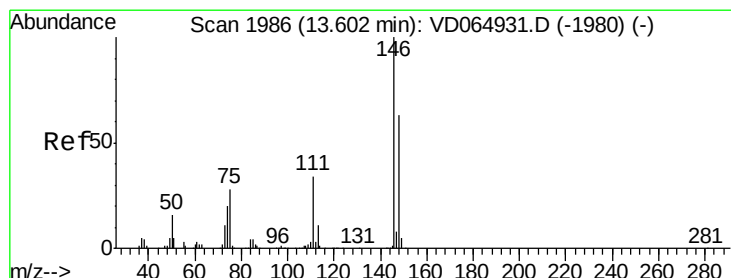
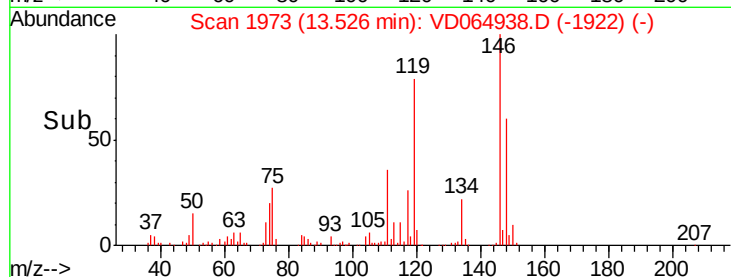
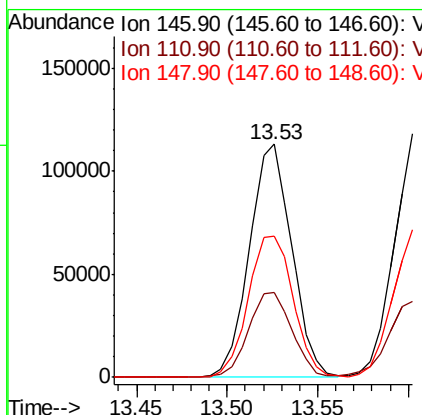
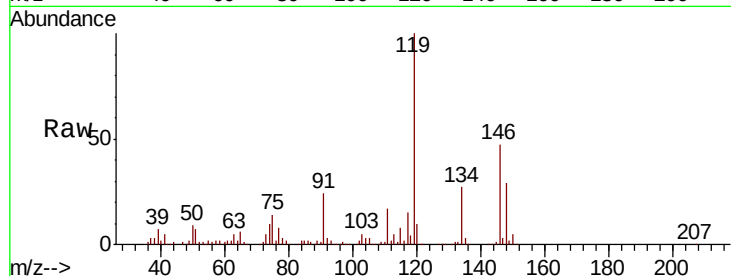




#87
 1,3-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

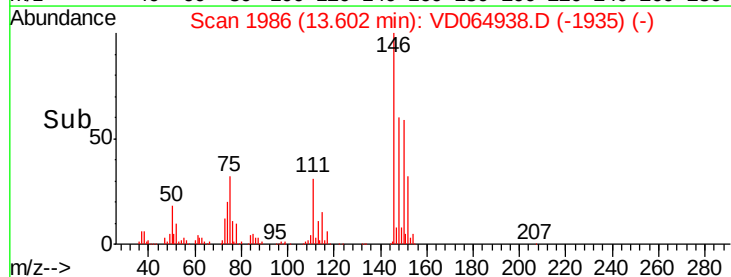
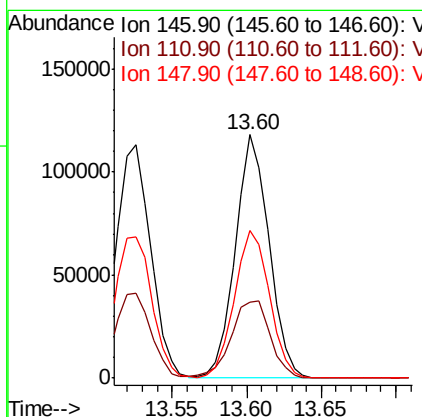
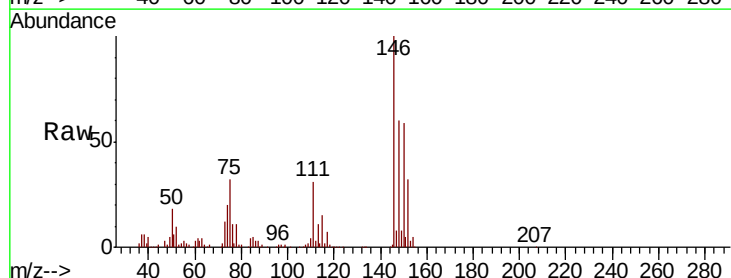
Instrument :
 MSVOA_D
 ClientSampleId :

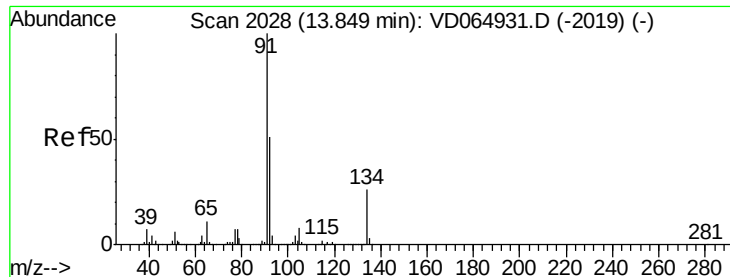
Tot Ion:146 Resp: 183521
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 64.5 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion:146 Resp: 185713
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.2 54.6
 148 62.9 32.0 96.0

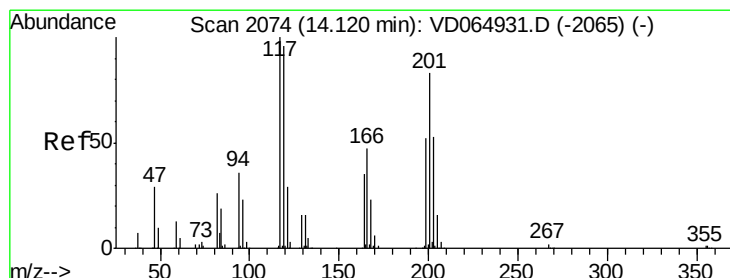
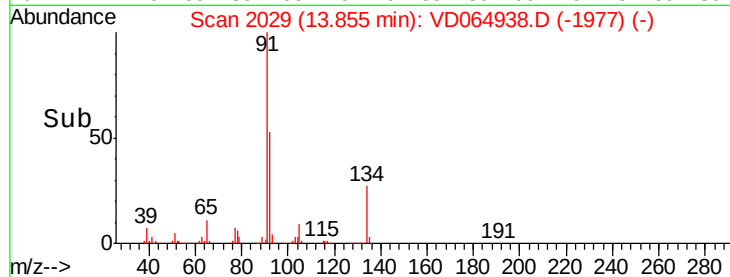
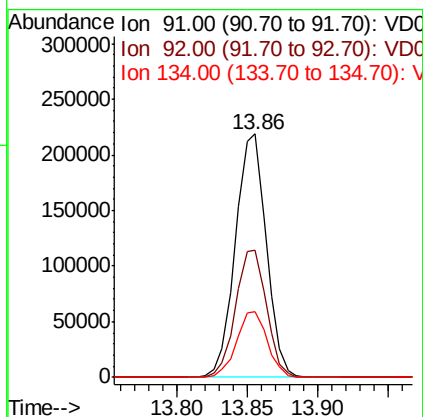
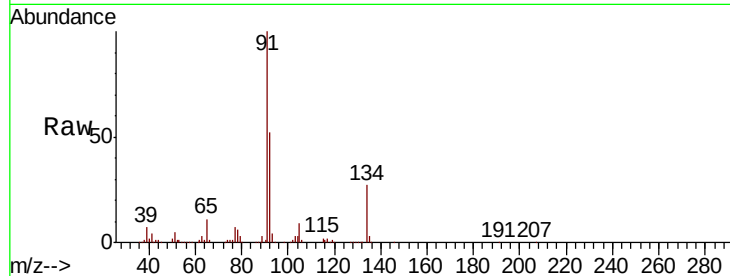




#89
n-Butylbenzene
Concen: 20.548 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

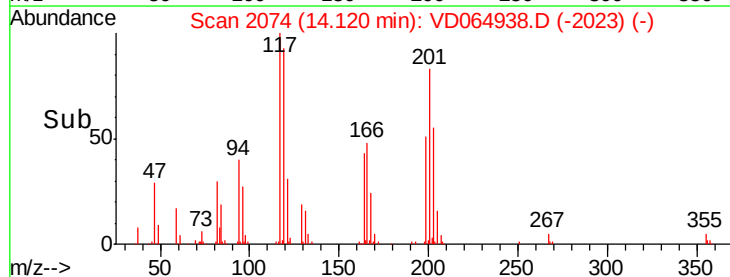
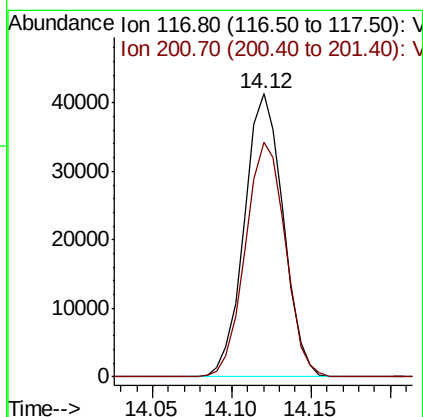
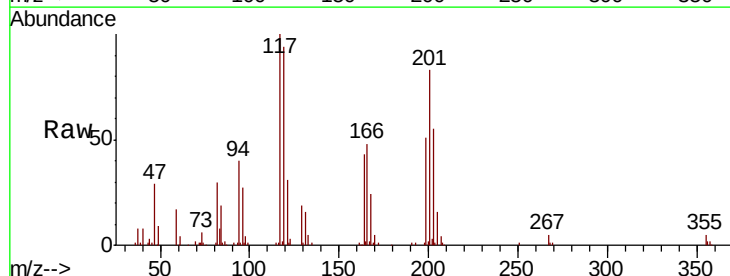
Instrument :
MSVOA_D
ClientSampleID :

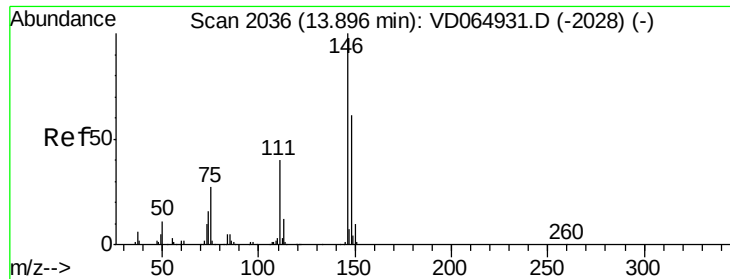
Tot Ion: 91 Resp: 333986
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.0
134 26.9 13.3 39.9



#90
Hexachloroethane
Concen: 20.484 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064938.D
Acq: 24 Jan 2020 12:51

Tgt Ion: 117 Resp: 70355
Ion Ratio Lower Upper
117 100
201 85.6 41.1 123.3

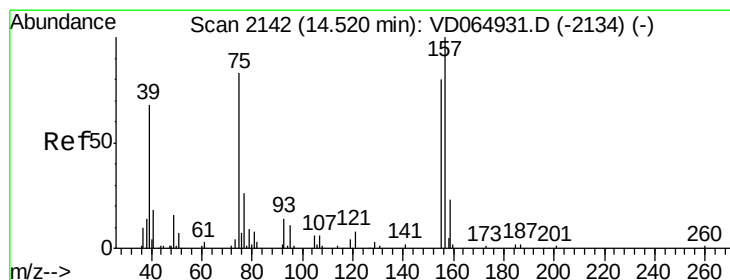
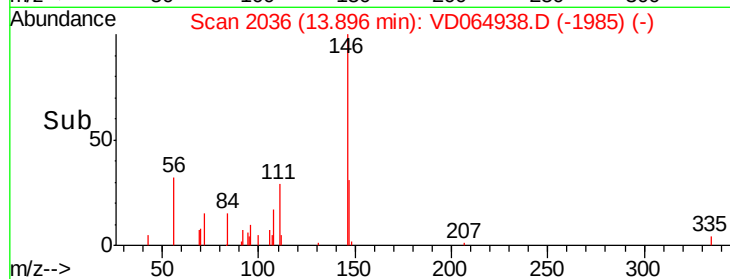
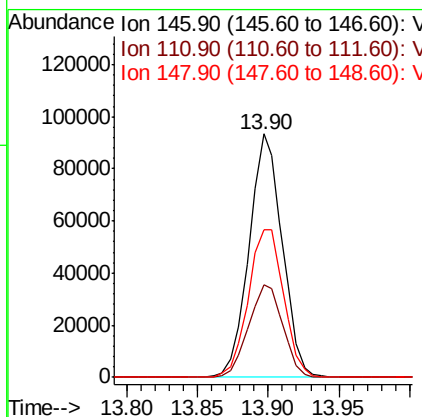
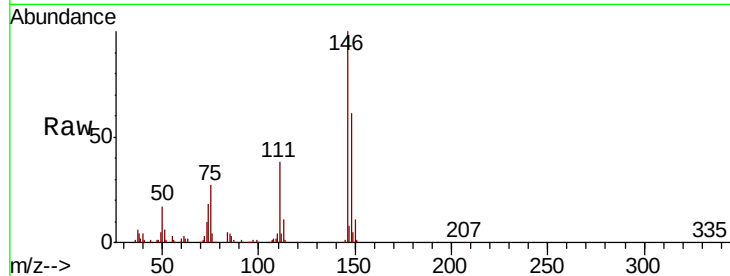




#91
 1,2-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

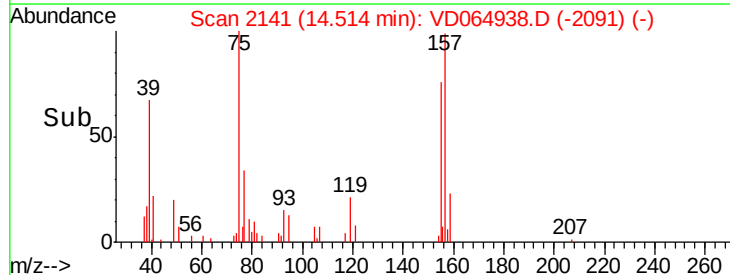
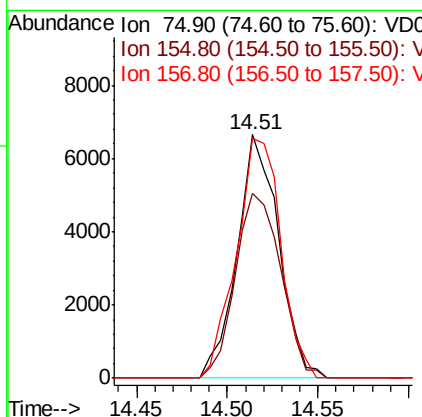
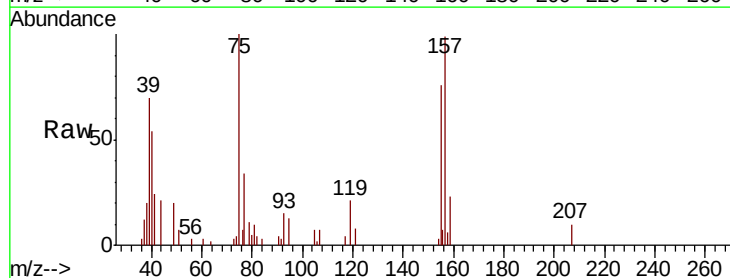
Instrument :
 MSVOA_D
 ClientSampleId :

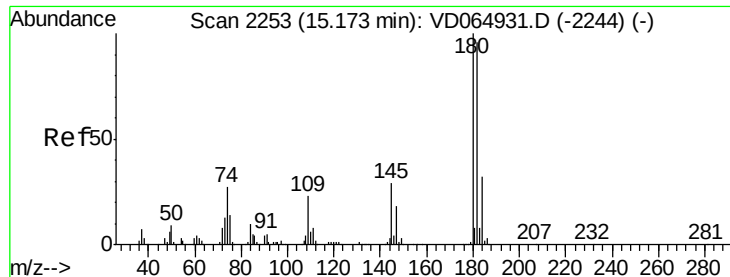
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.354 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	44.9	134.7
157	105.4	58.9	176.6

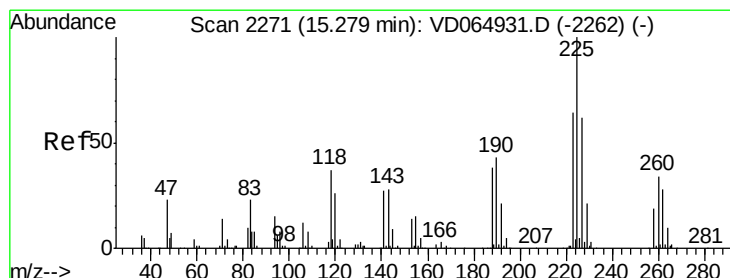
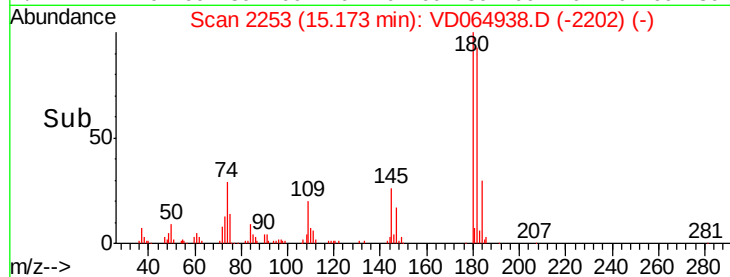
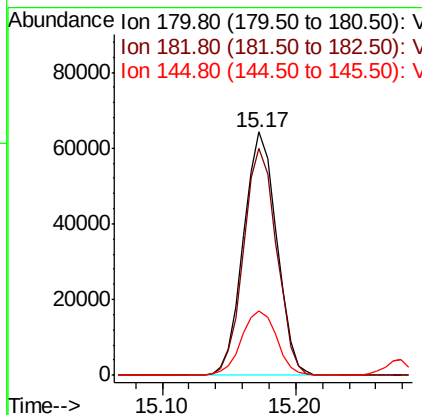
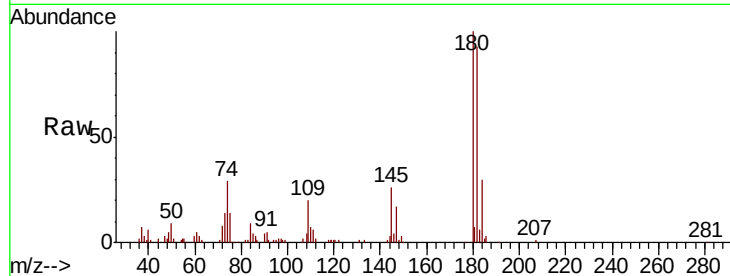




#93
 1,2,4-Trichlorobenzene
 Concen: 20.767 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

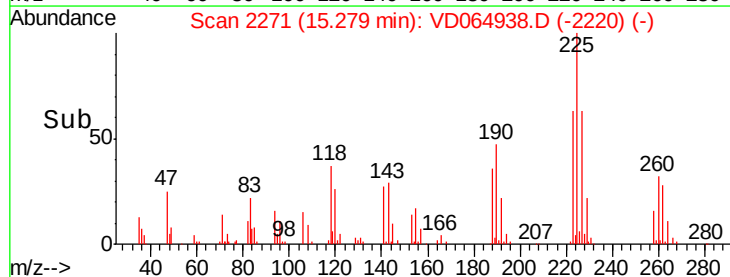
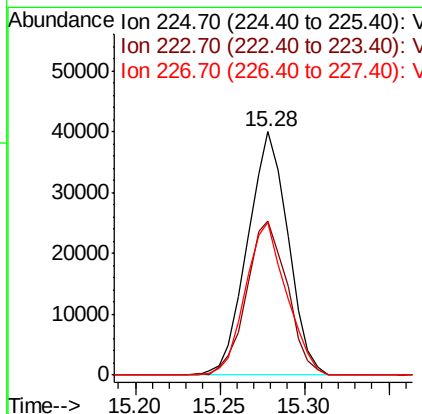
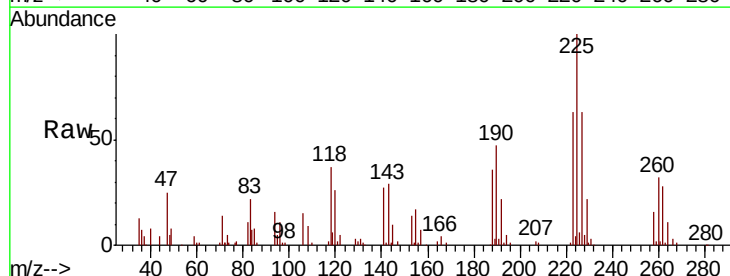
Instrument :
 MSVOA_D
 ClientSampleId :

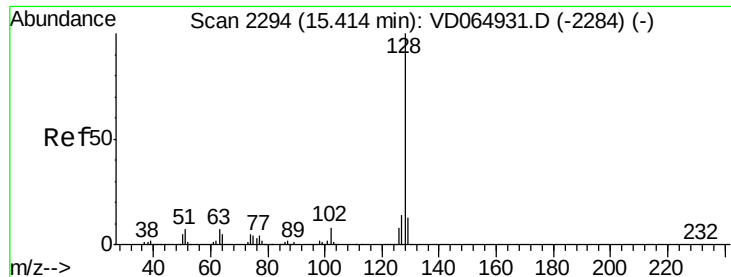
Tot Ion:180 Resp: 110680
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.1 141.4
 145 27.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.788 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064938.D
 Acq: 24 Jan 2020 12:51

Tgt Ion:225 Resp: 66707
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.4 97.2
 227 63.6 31.9 95.9





#95

Naphthalene

Concen: 18.495 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

Instrument :

MSVOA_D

ClientSampled :

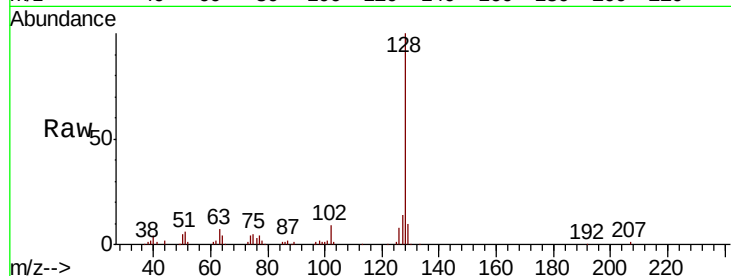
Tot Ion:128 Resp: 159080

Ion Ratio Lower Upper

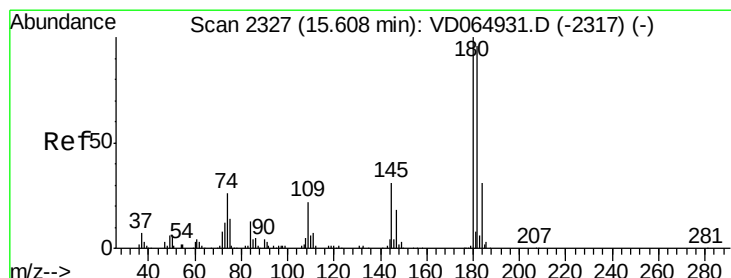
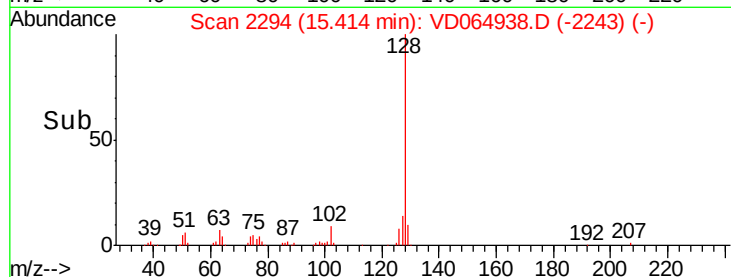
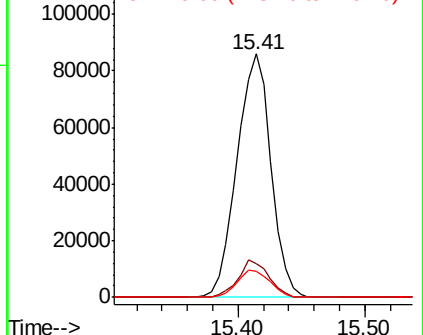
128 100

127 13.9 10.6 15.8

129 10.9 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.637 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064938.D

Acq: 24 Jan 2020 12:51

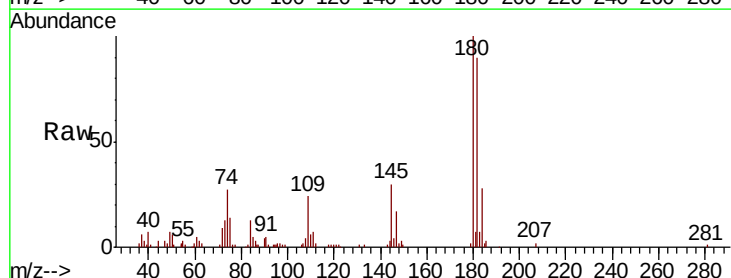
Tgt Ion:180 Resp: 90742

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.8

145 31.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

