

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064808.D
 Acq On : 09 Jan 2020 10:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 13:05:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	344248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152987	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.91	113	155039	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	591513	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	190546	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	111515	41.683	ug/l	97
3) Chloromethane	2.21	50	170008	45.438	ug/l	97
4) Vinyl Chloride	2.35	62	204917	44.918	ug/l	100
5) Bromomethane	2.77	94	149252	44.996	ug/l	99
6) Chloroethane	2.93	64	146439	47.906	ug/l	98
7) Trichlorofluoromethane	3.27	101	335223	43.641	ug/l	98
8) Diethyl Ether	3.70	74	70223	46.037	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	151788	47.714	ug/l	97
10) Methyl Iodide	4.29	142	171559	50.206	ug/l	99
11) Tert butyl alcohol	5.25	59	37230	214.005	ug/l	99
12) 1,1-Dichloroethene	4.06	96	143011	47.219	ug/l	96
13) Acrolein	3.92	56	47535	196.061	ug/l	97
14) Allyl chloride	4.71	41	241671	51.179	ug/l	99
15) Acrylonitrile	5.43	53	152049	239.311	ug/l	99
16) Acetone	4.16	43	186858	298.707	ug/l	94
17) Carbon Disulfide	4.40	76	431578	44.070	ug/l	99
18) Methyl Acetate	4.72	43	78534	45.954	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	327420	48.672	ug/l	99
20) Methylene Chloride	4.96	84	164153	53.187	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	172379	49.977	ug/l	99
22) Diisopropyl ether	6.37	45	486857	51.692	ug/l	98
23) Vinyl Acetate	6.31	43	1341784	251.141	ug/l	99
24) 1,1-Dichloroethane	6.26	63	297867	52.680	ug/l	99
25) 2-Butanone	7.22	43	208972	250.447	ug/l	98
26) 2,2-Dichloropropane	7.21	77	273578	52.040	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	188470	50.631	ug/l	98
28) Bromochloromethane	7.54	49	113118	51.465	ug/l	99
29) Tetrahydrofuran	7.57	42	120473	232.174	ug/l	98
30) Chloroform	7.71	83	307724	51.873	ug/l	99
31) Cyclohexane	7.98	56	245300	43.340	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	282619	50.722	ug/l	99
36) 1,1-Dichloropropene	8.11	75	236986	48.721	ug/l	99
37) Ethyl Acetate	7.30	43	87898	45.999	ug/l	99
38) Carbon Tetrachloride	8.10	117	260938	50.310	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	266014	45.153	ug/l	99
40) Benzene	8.35	78	669627	50.429	ug/l	100
41) Methacrylonitrile	7.53	41	41880	37.774	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	196769	51.280	ug/l	98
43) Isopropyl Acetate	8.46	43	172873	45.452	ug/l	98
44) Trichloroethene	9.11	130	192386	49.319	ug/l	100
45) 1,2-Dichloropropane	9.38	63	162487	51.251	ug/l	97
46) Dibromomethane	9.47	93	85200	48.200	ug/l	96
47) Bromodichloromethane	9.66	83	237318	50.455	ug/l	96
48) Methyl methacrylate	9.46	41	82693	46.175	ug/l	92
49) 1,4-Dioxane	9.46	88	17971	881.713	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	434562	231.154	ug/l	100
52) Toluene	10.40	92	437635	50.235	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	221190	50.439	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	260926	50.461	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	116682	48.981	ug/l	97
56) Ethyl methacrylate	10.66	69	136614	45.920	ug/l	96
57) 1,3-Dichloropropane	10.95	76	197298	48.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	258486	228.050	ug/l	100
59) 2-Hexanone	10.98	43	323864	253.818	ug/l	100
60) Dibromochloromethane	11.14	129	160741	48.795	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109911	46.779	ug/l	100
64) Tetrachloroethene	10.87	164	161574	47.884	ug/l	96
65) Chlorobenzene	11.67	112	455015	49.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	177328	51.529	ug/l	99
67) Ethyl Benzene	11.75	91	833074	50.280	ug/l	97
68) m/p-Xylenes	11.86	106	655306	102.469	ug/l	99
69) o-Xylene	12.18	106	295676	51.186	ug/l	97
70) Styrene	12.20	104	518962	51.183	ug/l	99
71) Bromoform	12.37	173	93142	47.461	ug/l #	100
73) Isopropylbenzene	12.48	105	799578	50.707	ug/l	99
74) N-amyl acetate	12.29	43	153880	45.652	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	117779	47.547	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	160674	92.212	ug/l #	100
77) Bromobenzene	12.77	156	190864	49.261	ug/l	99
78) n-propylbenzene	12.83	91	938075	50.993	ug/l	98
79) 2-Chlorotoluene	12.91	91	515152	50.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	664817	51.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39832	47.811	ug/l	97
82) 4-Chlorotoluene	13.01	91	541797	50.379	ug/l	100
83) tert-Butylbenzene	13.23	119	563231	50.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	660318	51.186	ug/l	98
85) sec-Butylbenzene	13.41	105	772968	50.133	ug/l	100
86) p-Isopropyltoluene	13.53	119	739538	50.162	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	372975	50.496	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	358892	49.461	ug/l	99
89) n-Butylbenzene	13.85	91	675206	50.857	ug/l	99
90) Hexachloroethane	14.12	117	144356	51.259	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	310178	49.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18587	46.286	ug/l	89

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Response via : Initial Calibration

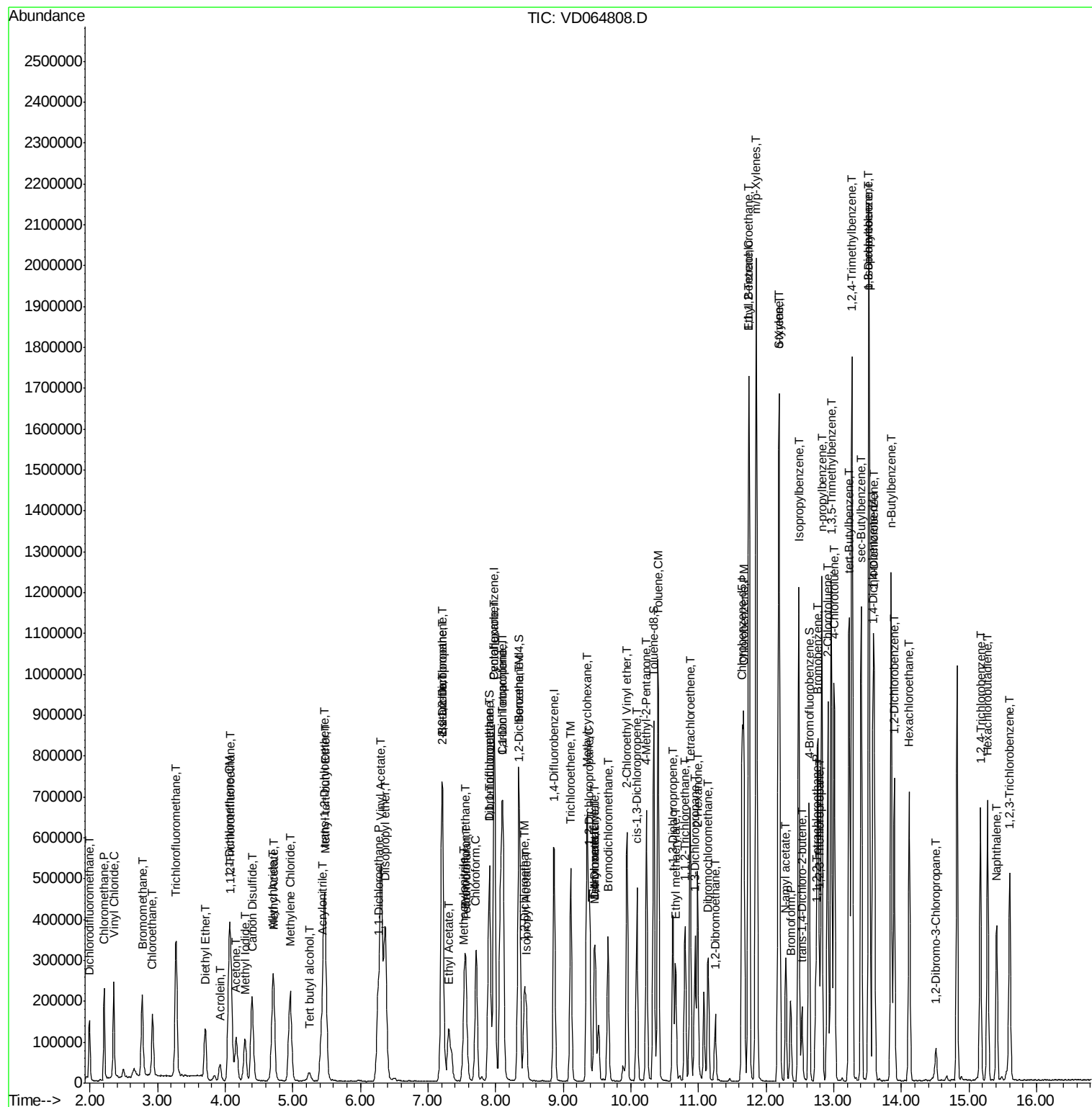
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220310	47.506	ug/l	99
94) Hexachlorobutadiene	15.28	225	137629	47.162	ug/l	99
95) Naphthalene	15.41	128	333787	45.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	186393	47.080	ug/l	98

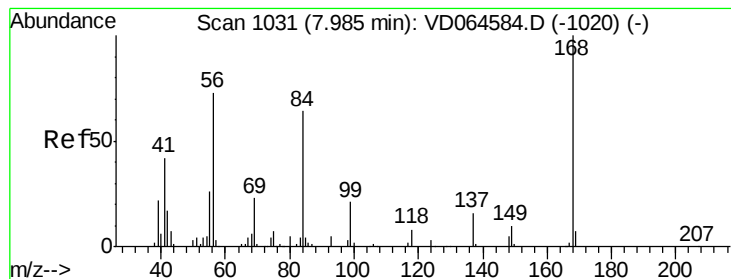
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064808.D

Acq: 09 Jan 2020 10:25

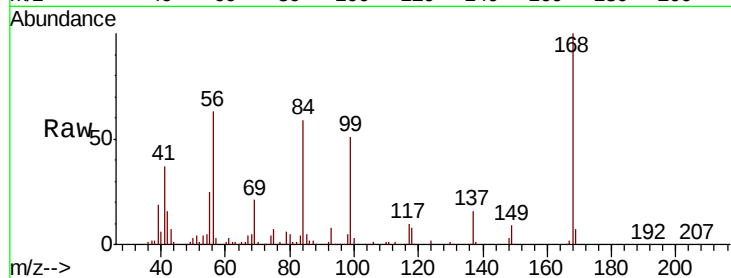
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 344248

Ion Ratio Lower Upper

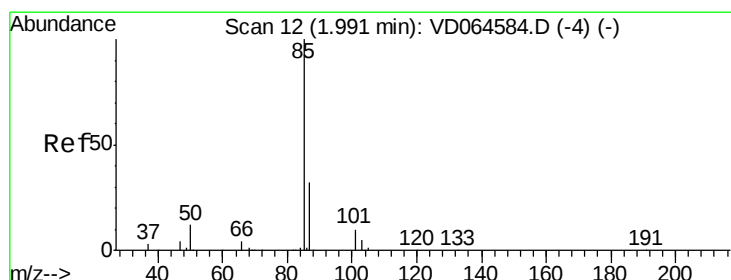
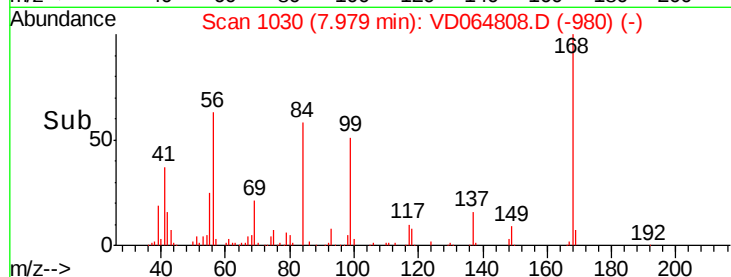
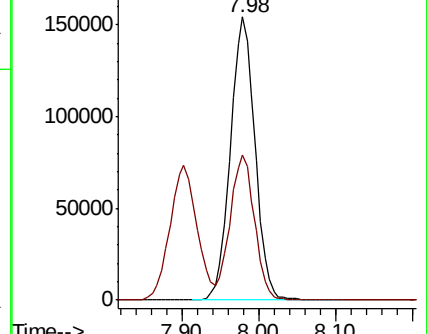
168 100

99 51.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.683 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064808.D

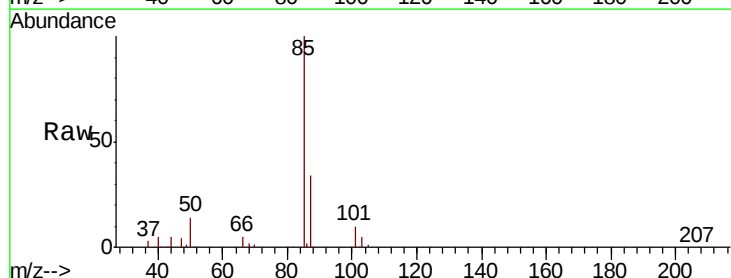
Acq: 09 Jan 2020 10:25

Tgt Ion: 85 Resp: 111515

Ion Ratio Lower Upper

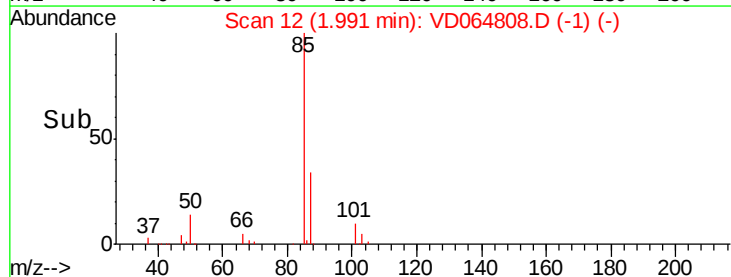
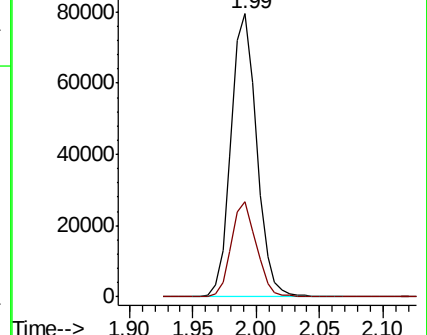
85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.438 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

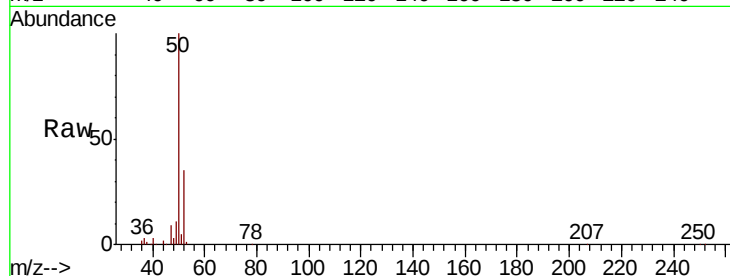
ClientSampleId :

Tot Ion: 50 Resp: 170008

Ion Ratio Lower Upper

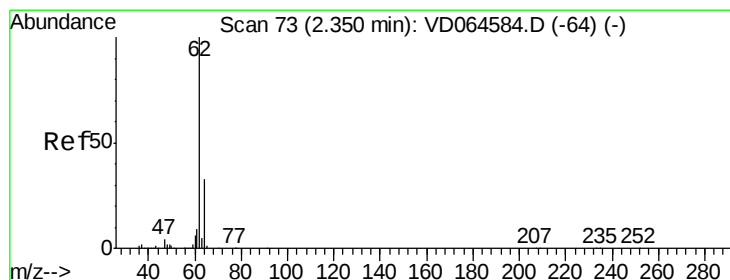
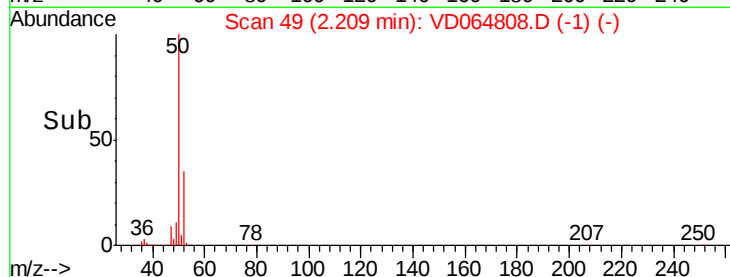
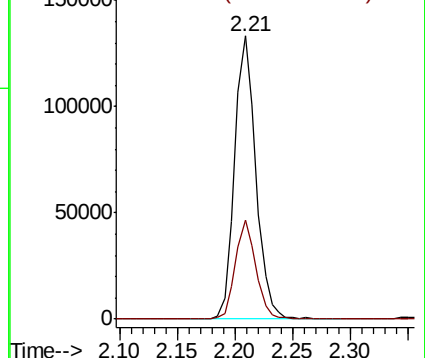
50 100

52 35.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.918 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064808.D

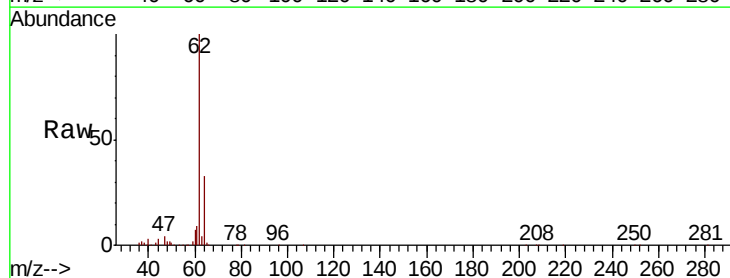
Acq: 09 Jan 2020 10:25

Tgt Ion: 62 Resp: 204917

Ion Ratio Lower Upper

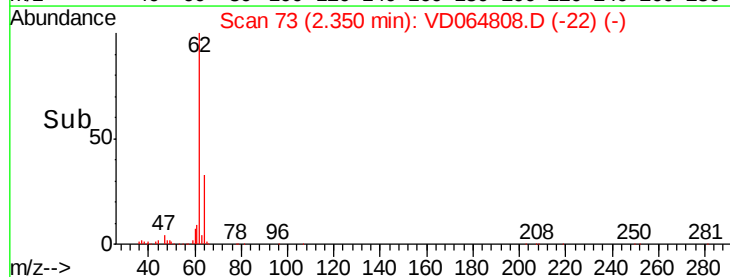
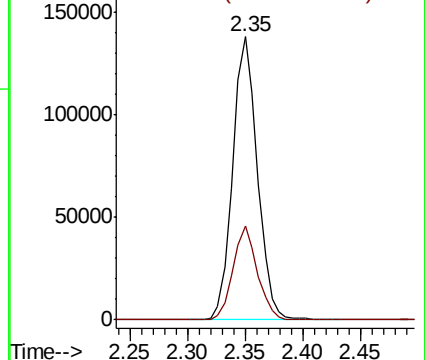
62 100

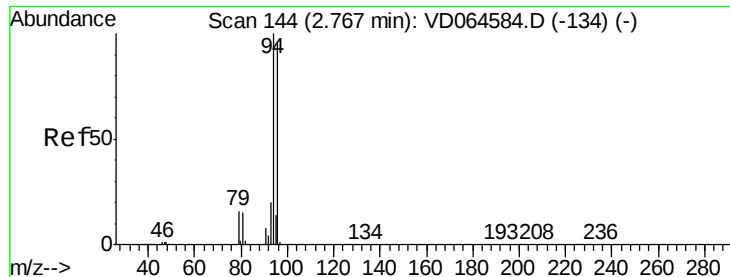
64 33.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.996 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

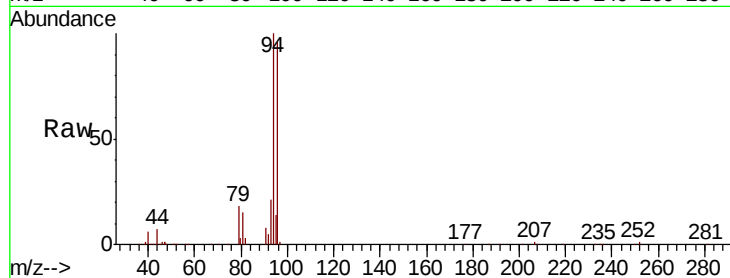
ClientSampleId :

Tot Ion: 94 Resp: 149252

Ion Ratio Lower Upper

94 100

96 95.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

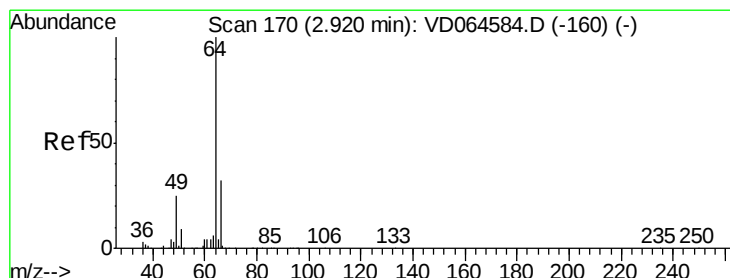
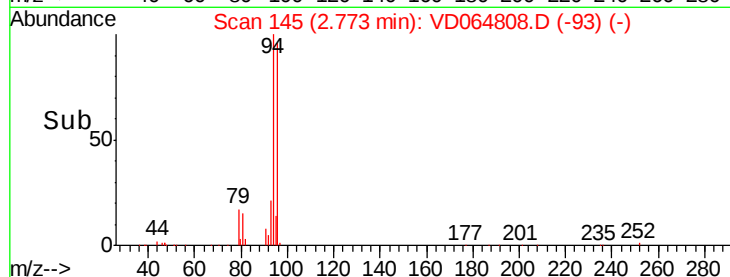
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 47.906 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064808.D

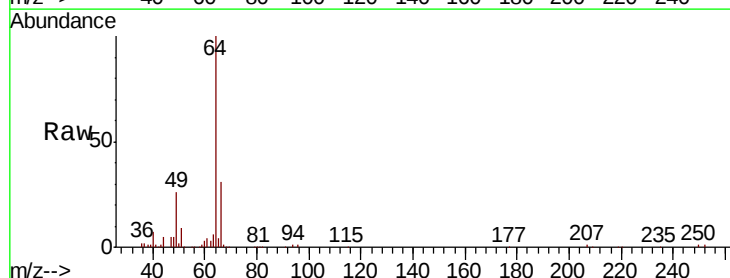
Acq: 09 Jan 2020 10:25

Tgt Ion: 64 Resp: 146439

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

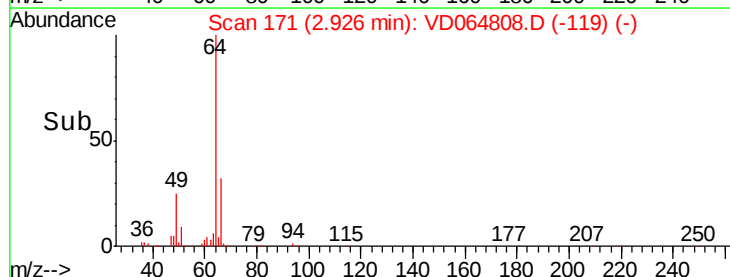
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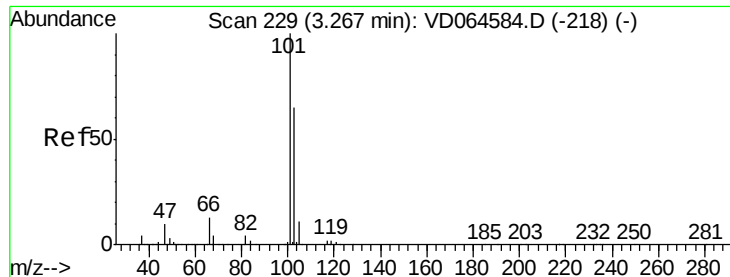
20000

0

Time-->

2.80 2.90 3.00



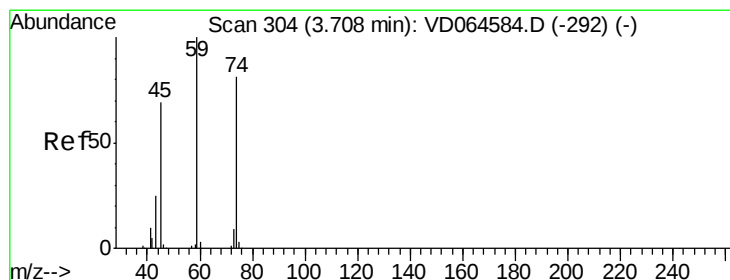
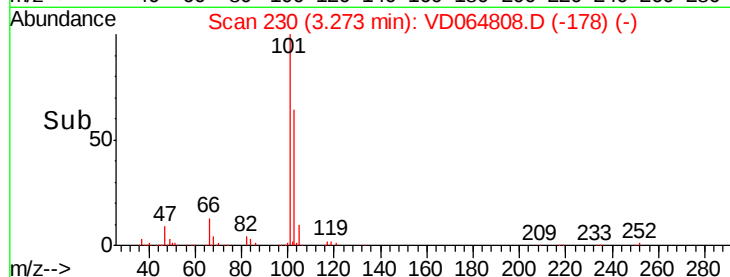
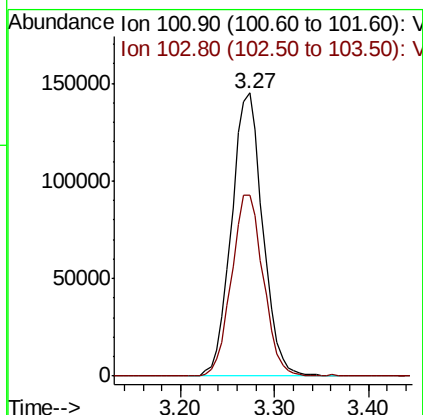
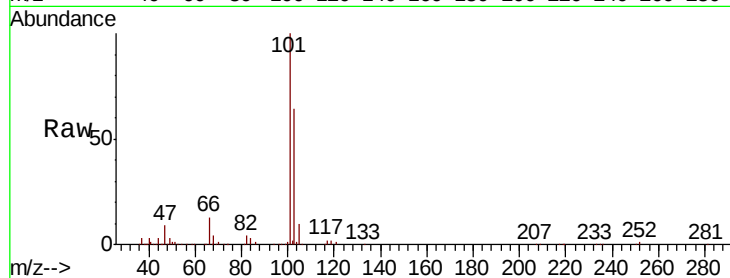


#7

Trichlorofluoromethane
Concen: 43.641 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :

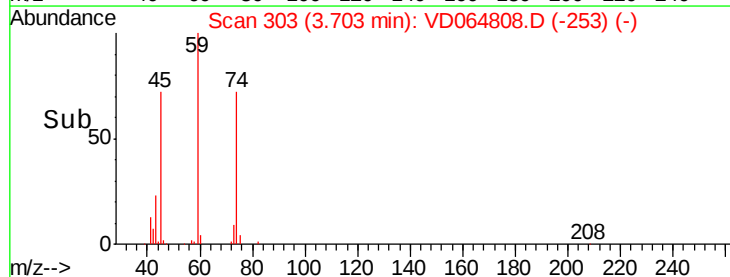
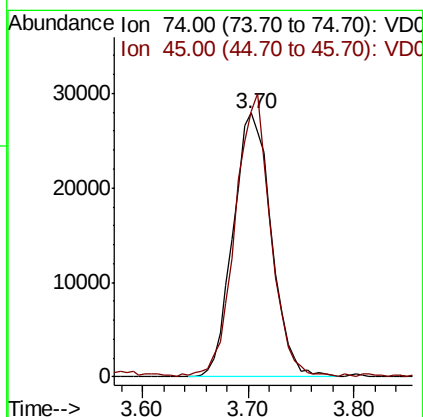
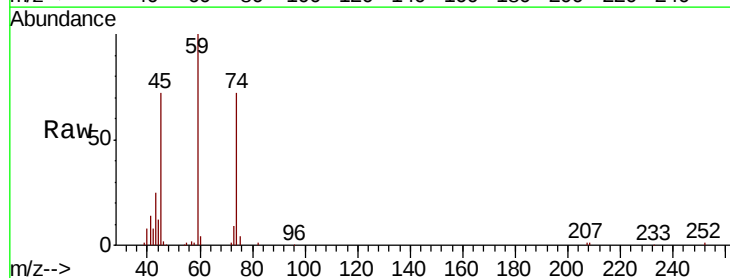
Tot Ion:101 Resp: 335223
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.4

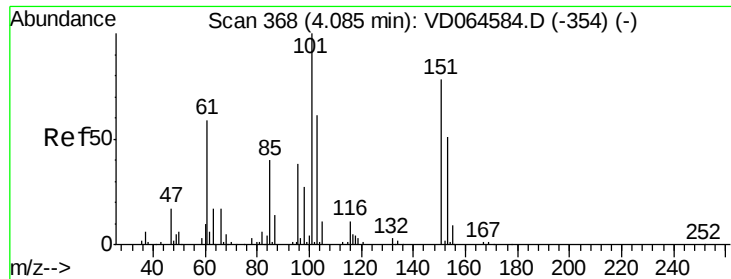


#8

Diethyl Ether
Concen: 46.037 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 74 Resp: 70223
Ion Ratio Lower Upper
74 100
45 99.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.714 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

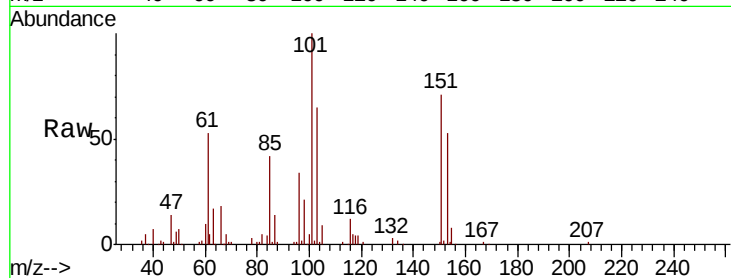
Tot Ion:101 Resp: 151788

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

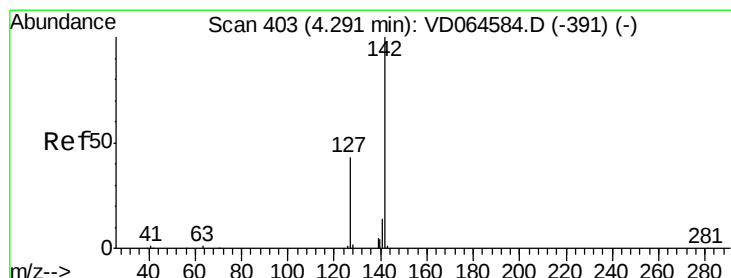
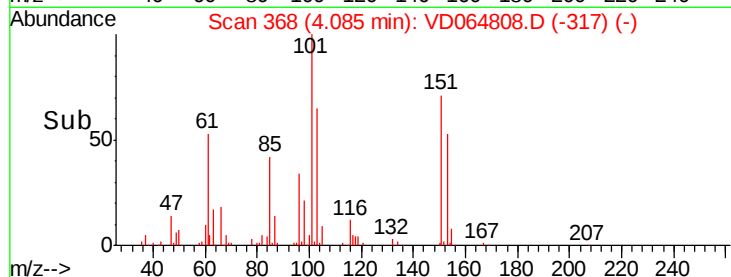
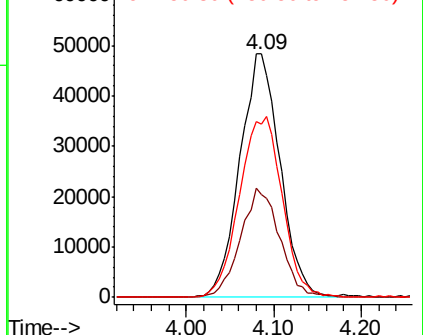
151 78.9 66.2 99.4



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: 50.206 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

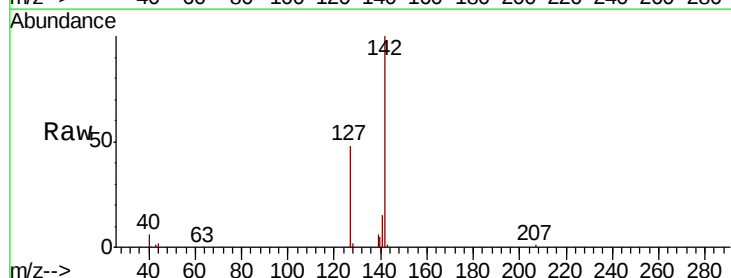
Tgt Ion:142 Resp: 171559

Ion Ratio Lower Upper

142 100

127 45.7 36.2 54.4

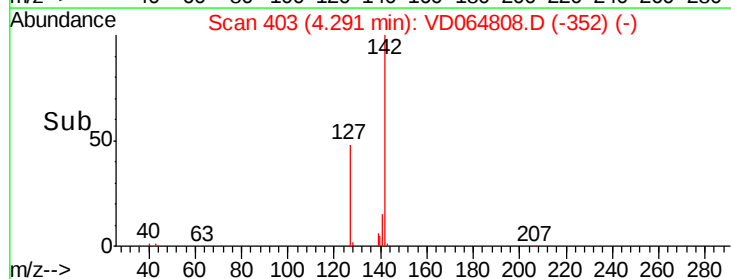
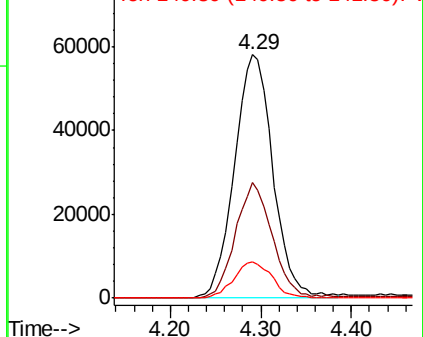
141 14.7 11.8 17.8



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

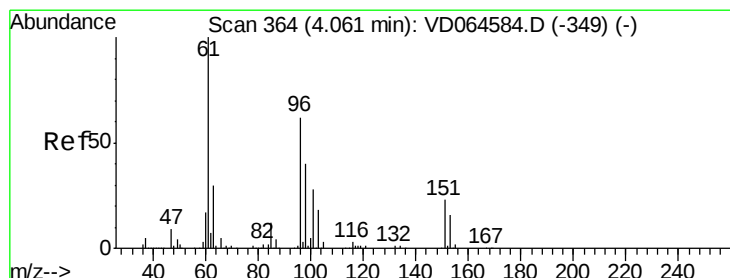
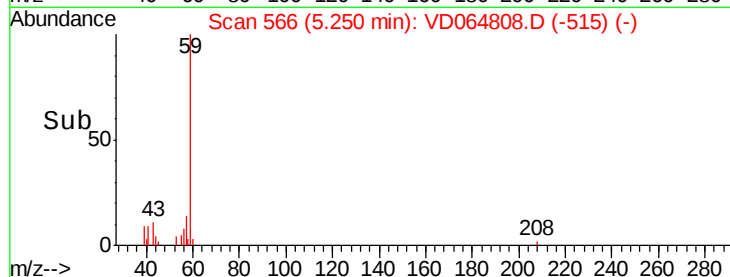
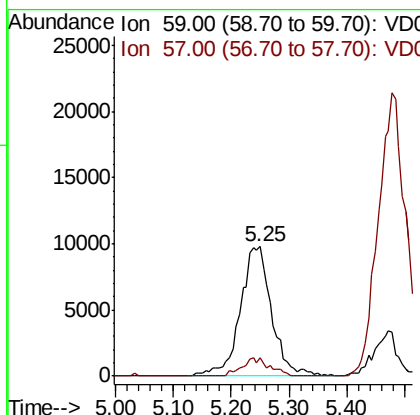
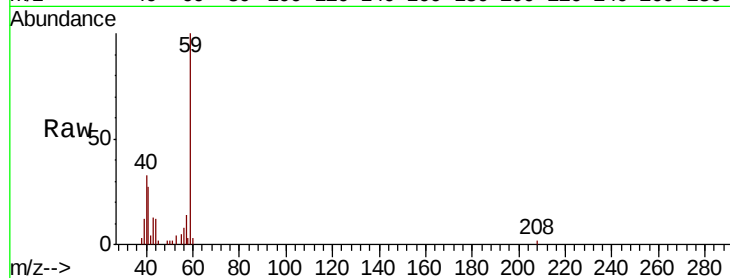




#11
Tert butyl alcohol
Concen: 214.005 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

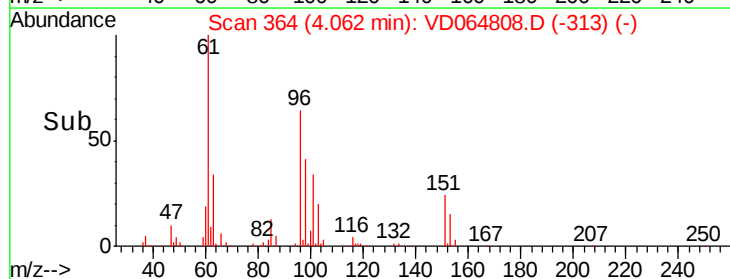
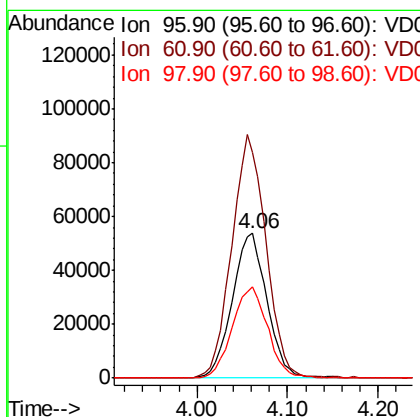
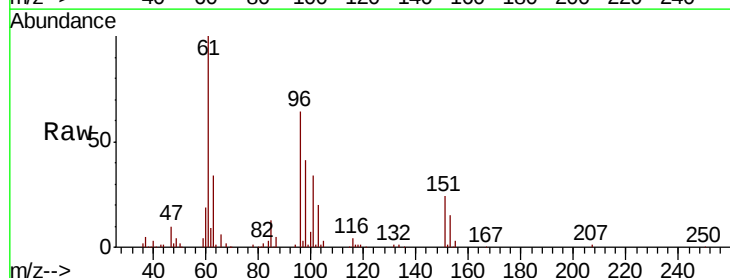
Instrument :
MSVOA_D
ClientSampled :

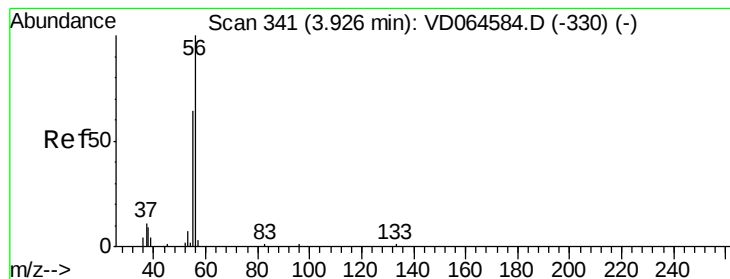
Tot Ion: 59 Resp: 37230
Ion Ratio Lower Upper
59 100
57 12.1 9.3 13.9



#12
1,1-Dichloroethene
Concen: 47.219 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 96 Resp: 143011
Ion Ratio Lower Upper
96 100
61 155.9 129.4 194.0
98 63.2 51.4 77.0





#13

Acrolein

Concen: 196.061 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

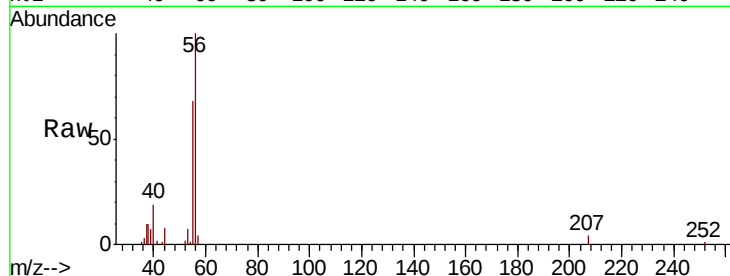
ClientSampleId :

Tot Ion: 56 Resp: 47535

Ion Ratio Lower Upper

56 100

55 68.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

20000

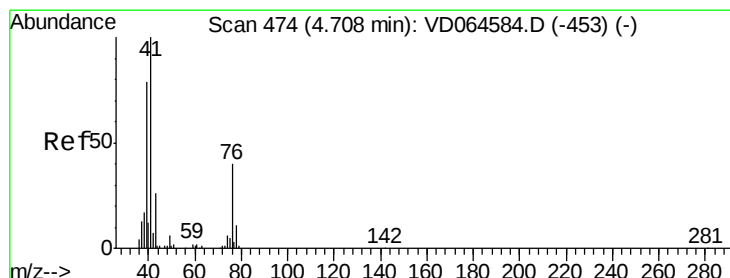
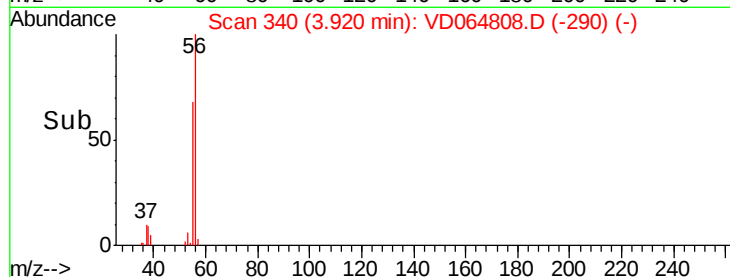
15000

10000

5000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 51.179 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

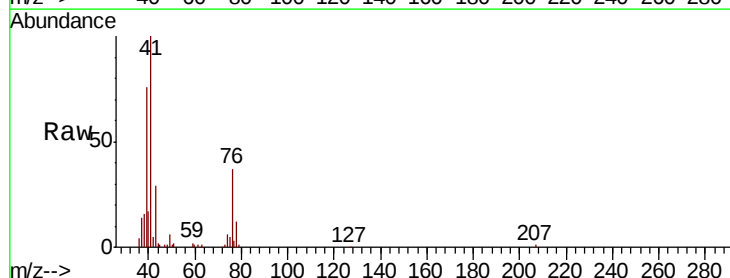
Tgt Ion: 41 Resp: 241671

Ion Ratio Lower Upper

41 100

39 76.7 62.3 93.5

76 37.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

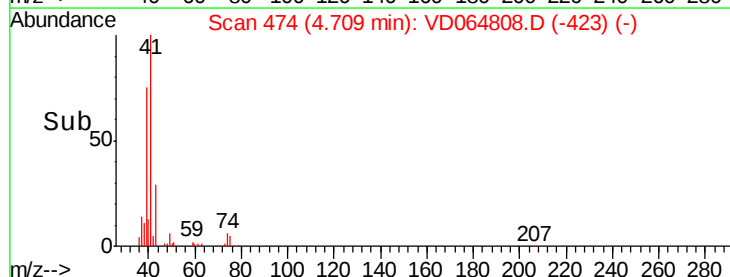
60000

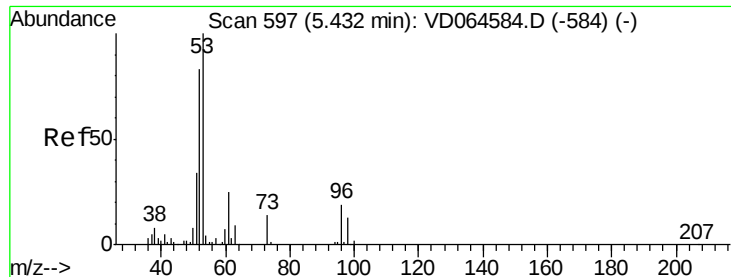
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 239.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampled :

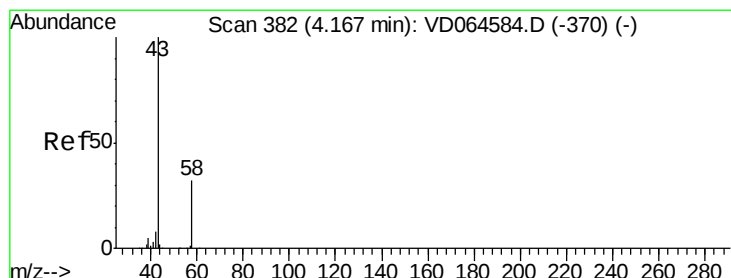
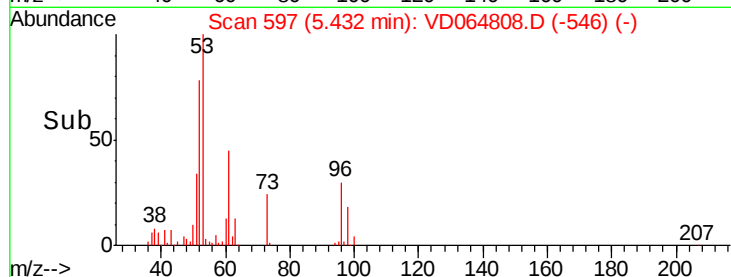
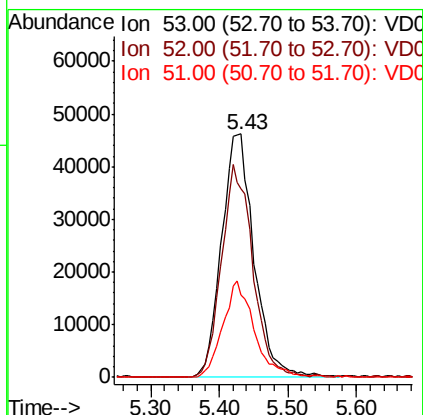
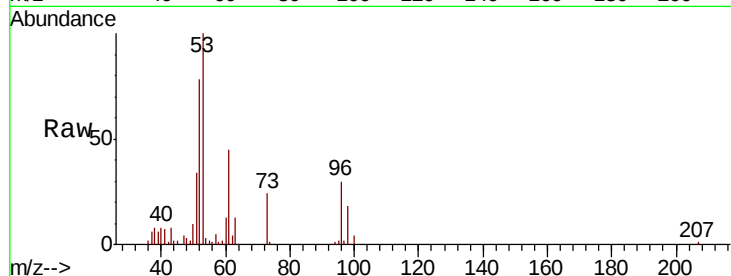
Tot Ion: 53 Resp: 152049

Ion Ratio Lower Upper

53 100

52 83.5 66.2 99.2

51 38.0 30.1 45.1



#16

Acetone

Concen: 298.707 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064808.D

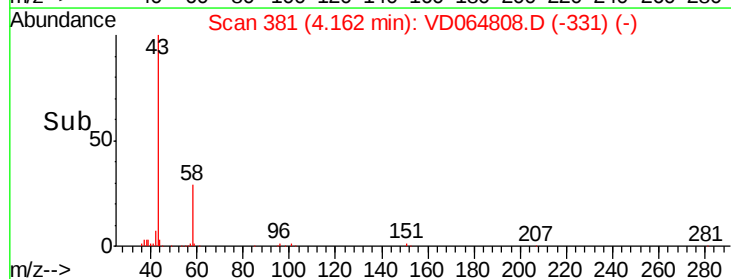
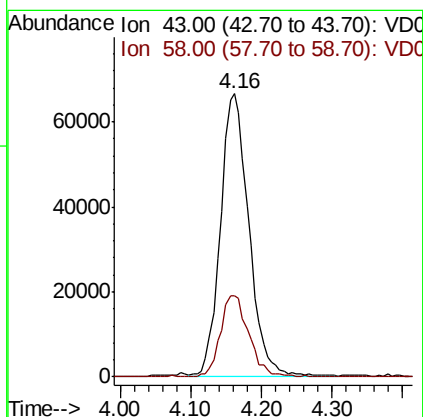
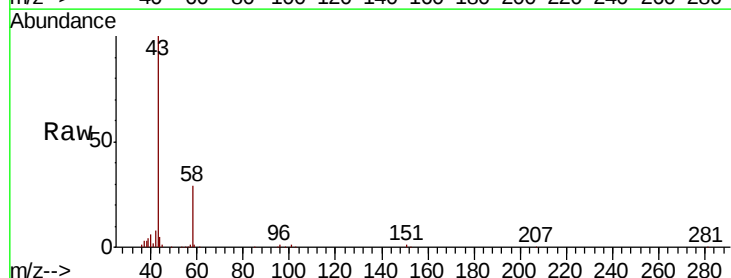
Acq: 09 Jan 2020 10:25

Tgt Ion: 43 Resp: 186858

Ion Ratio Lower Upper

43 100

58 28.9 25.8 38.6

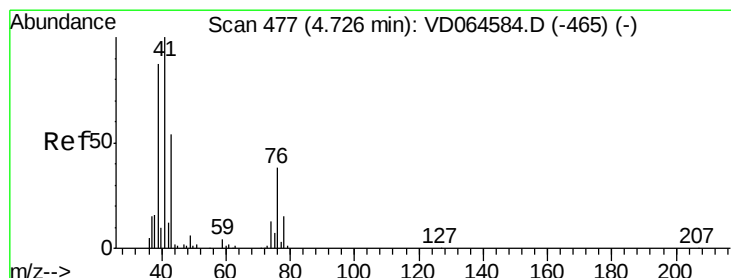
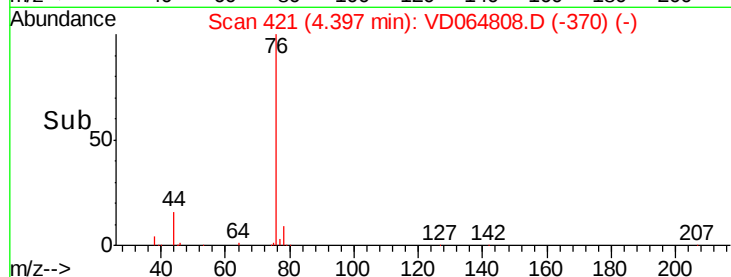
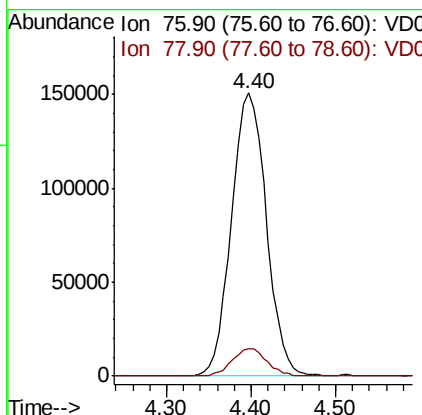
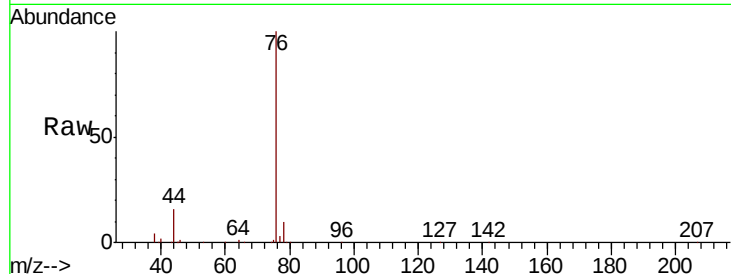




#17
Carbon Disulfide
Concen: 44.070 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

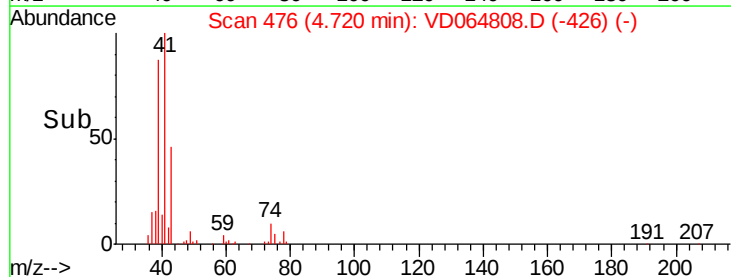
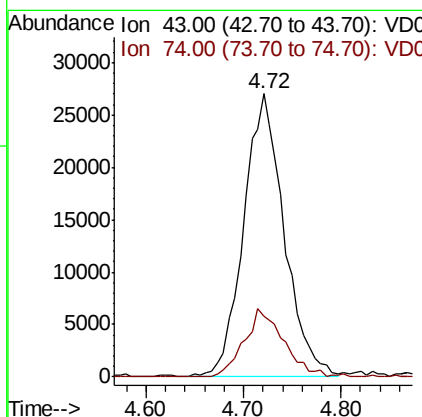
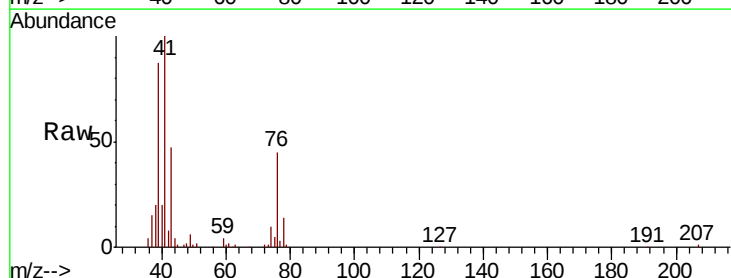
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 431578
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 45.954 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 43 Resp: 78534
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



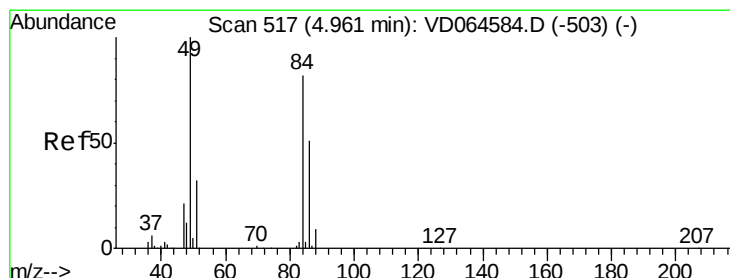
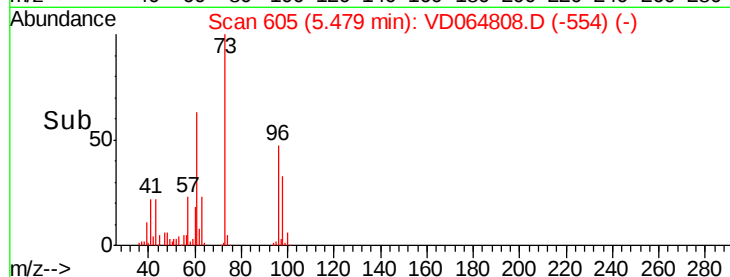
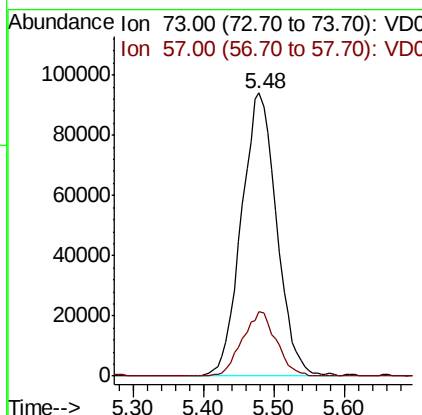
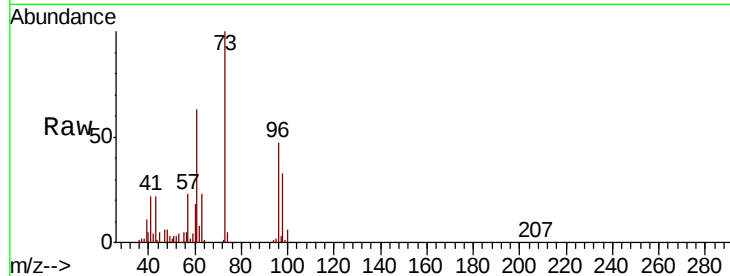


#19

Methyl tert-butyl Ether
 Concen: 48.672 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

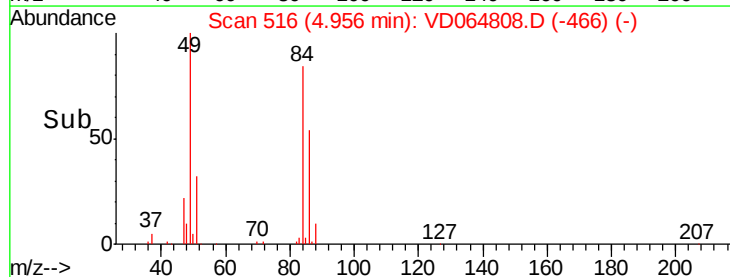
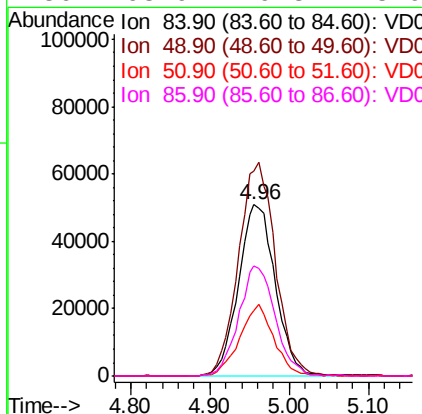
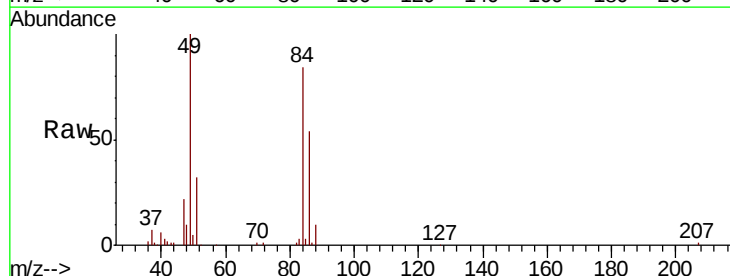
Tot Ion: 73 Resp: 327420
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.6 27.8

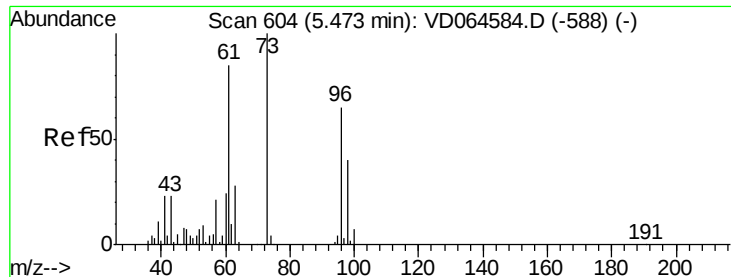


#20

Methylene Chloride
 Concen: 53.187 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 84 Resp: 164153
 Ion Ratio Lower Upper
 84 100
 49 119.3 97.2 145.8
 51 38.0 31.4 47.0
 86 63.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.977 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

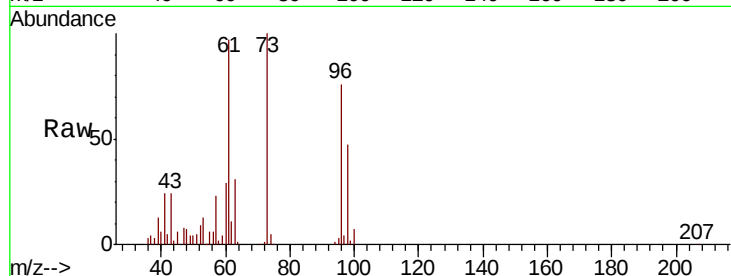
Tot Ion: 96 Resp: 172379

Ion Ratio Lower Upper

96 100

61 129.0 104.7 157.1

98 61.7 49.4 74.2

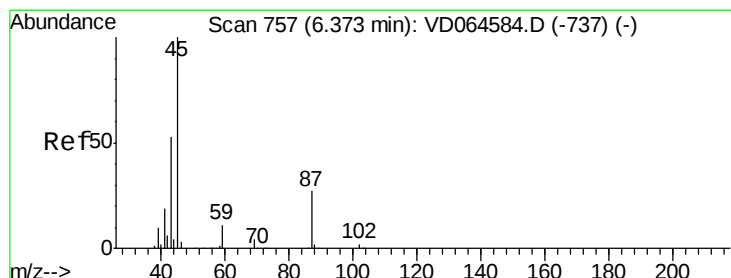
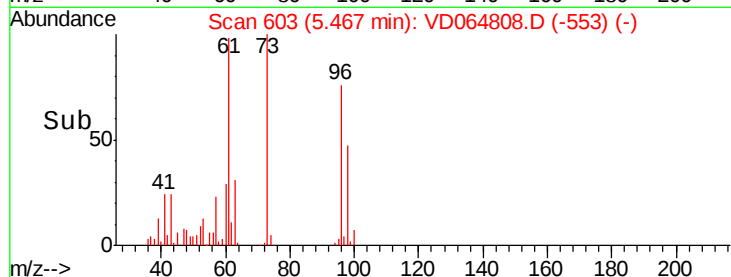
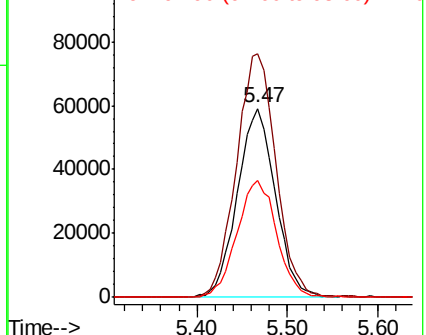


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.692 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion: 45 Resp: 486857

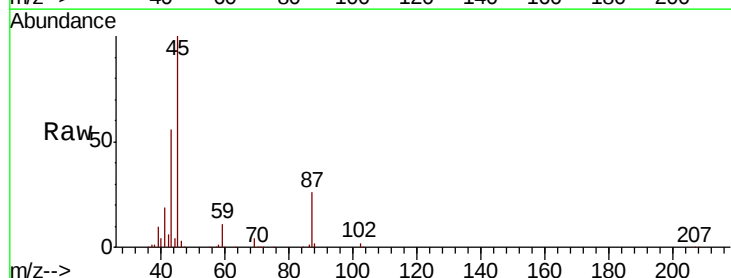
Ion Ratio Lower Upper

45 100

43 55.1 43.2 64.8

87 25.6 21.9 32.9

59 10.7 9.0 13.4



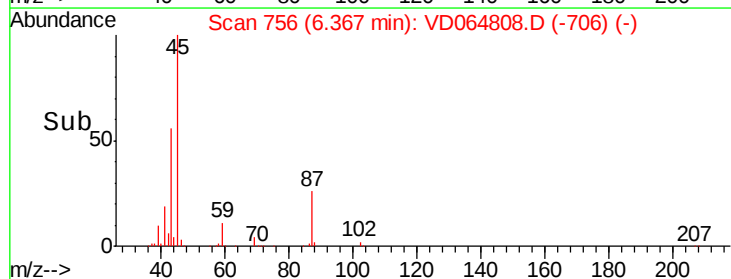
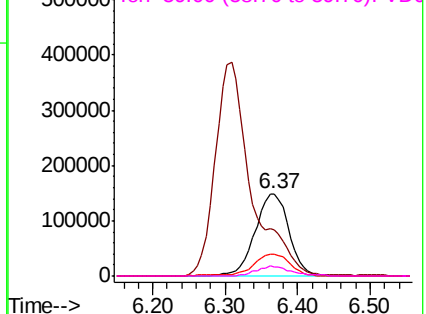
Abundance

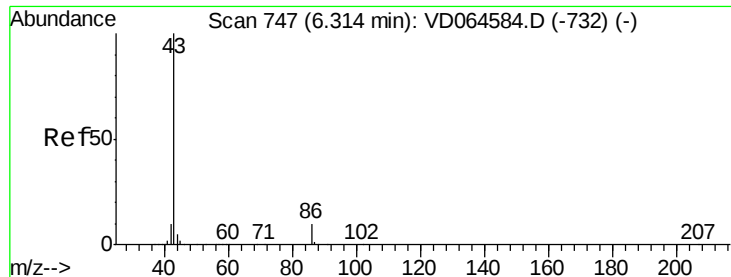
Ion 45.00 (44.70 to 45.70): VDC

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: 251.141 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

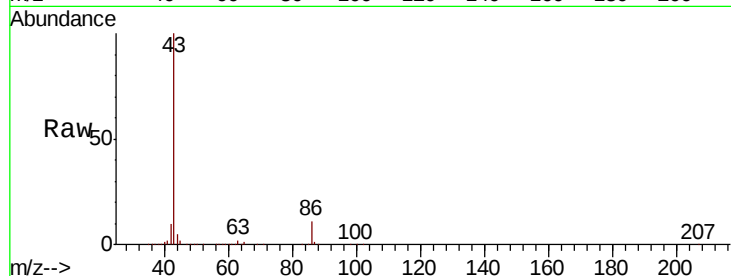
ClientSampleId :

Tot Ion: 43 Resp: 1341784

Ion Ratio Lower Upper

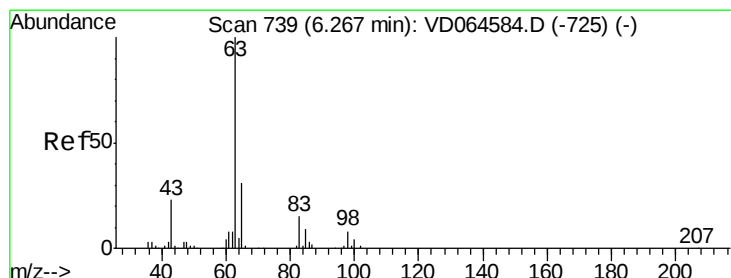
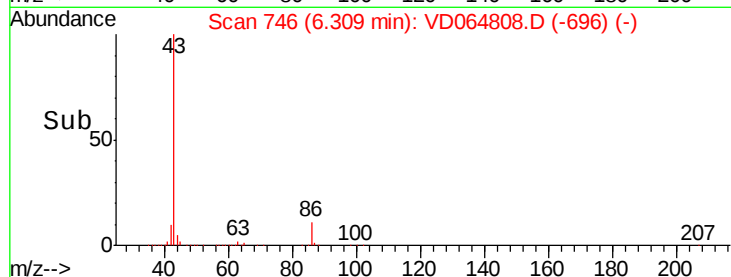
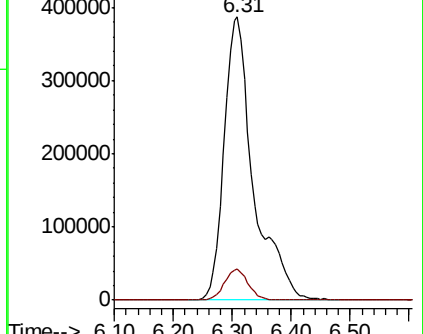
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.680 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

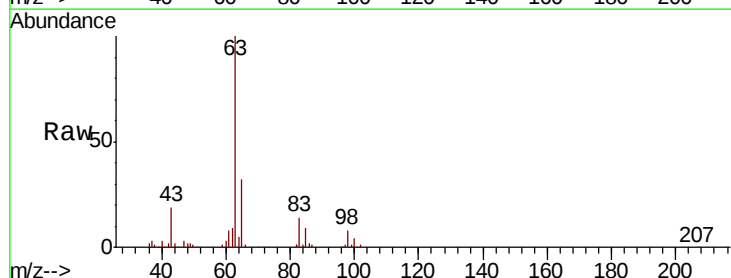
Tgt Ion: 63 Resp: 297867

Ion Ratio Lower Upper

63 100

98 7.9 4.1 12.3

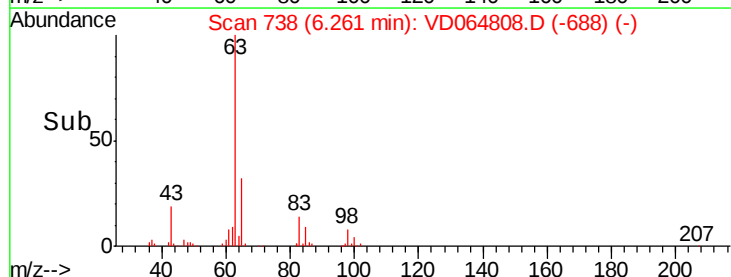
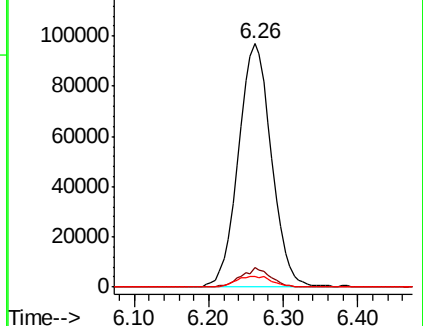
100 4.4 2.2 6.6

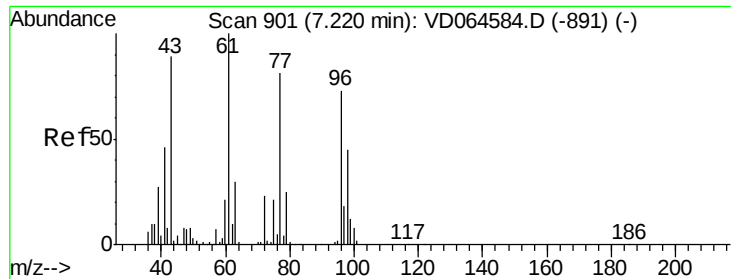


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

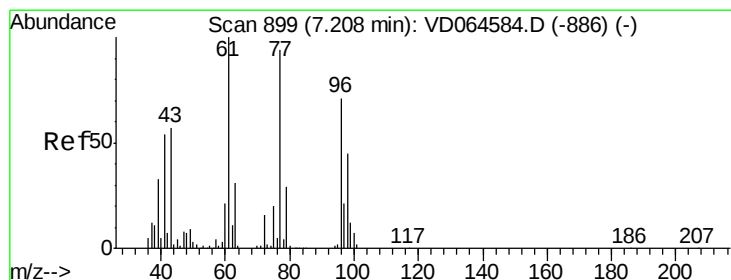
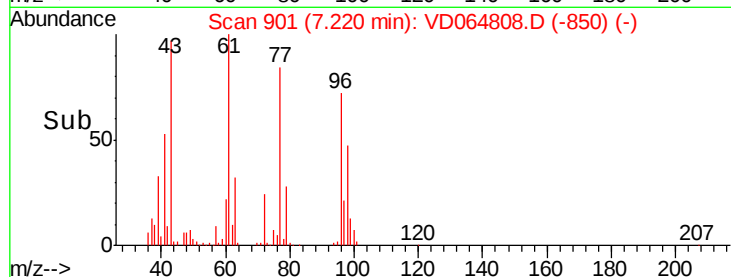
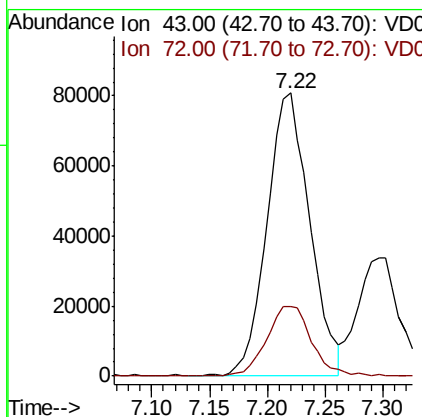
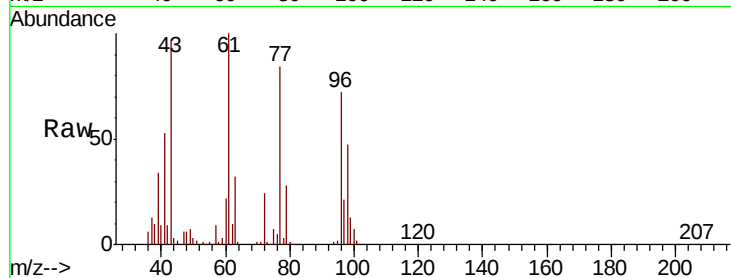




#25
2-Butanone
Concen: 250.447 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

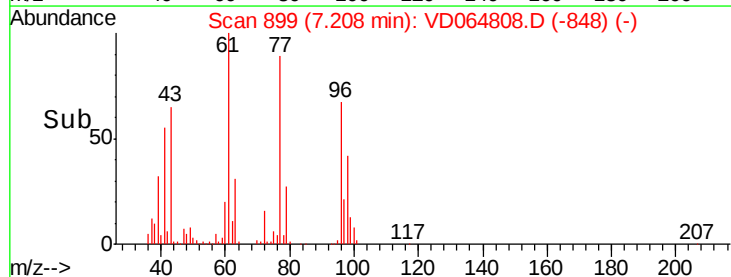
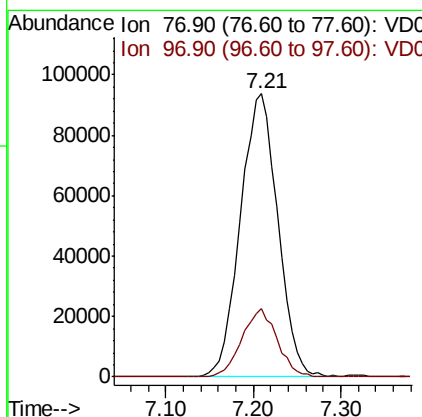
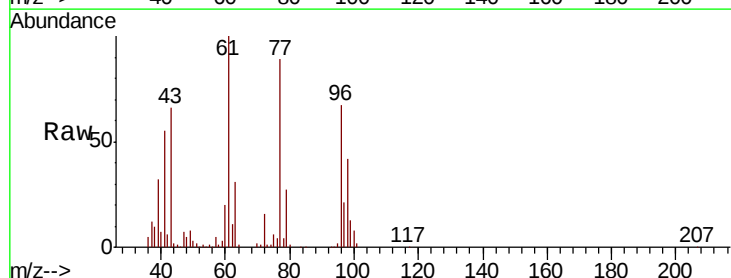
Instrument :
MSVOA_D
ClientSampled :

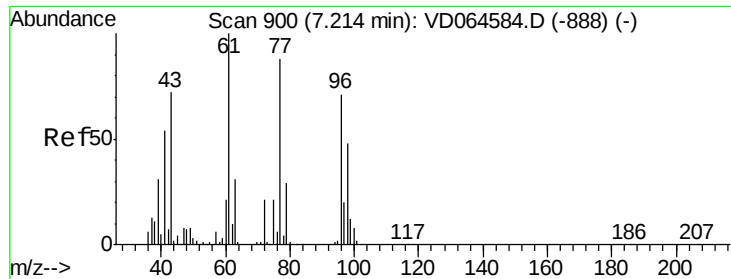
Tot Ion: 43 Resp: 208972
Ion Ratio Lower Upper
43 100
72 24.7 20.7 31.1



#26
2,2-Dichloropropane
Concen: 52.040 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 77 Resp: 273578
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6



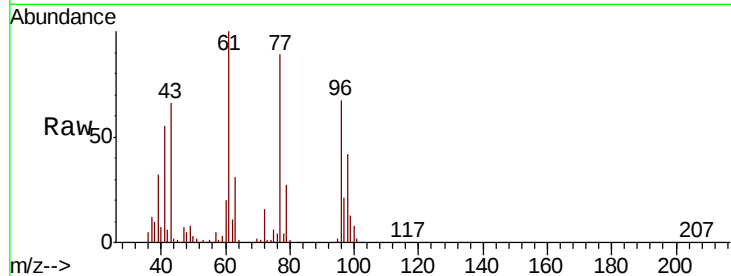


#27

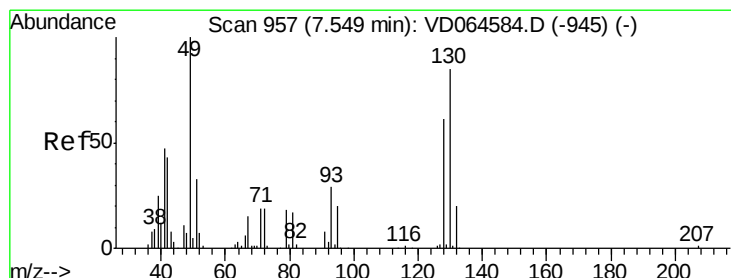
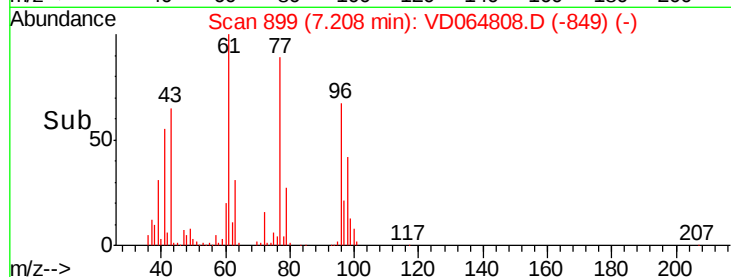
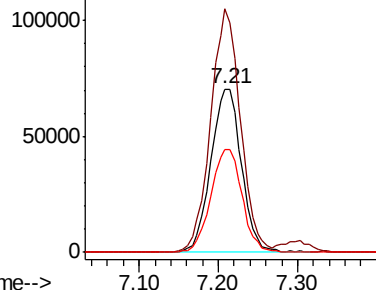
cis-1,2-Dichloroethene
 Concen: 50.631 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 188470
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 282.6
 98 64.6 0.0 130.8



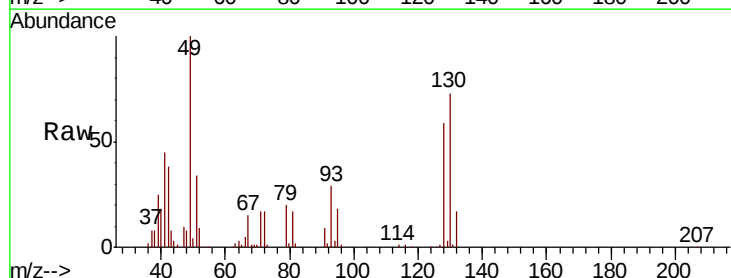
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



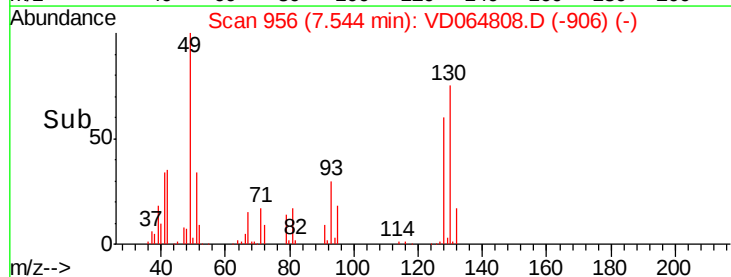
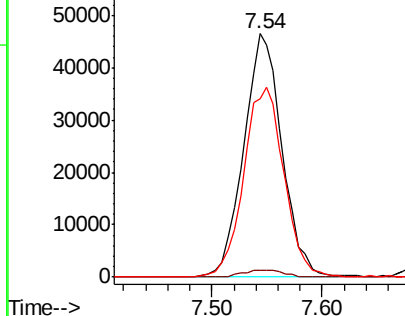
#28

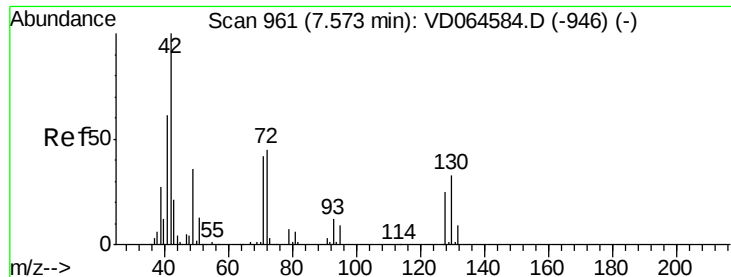
Bromochloromethane
 Concen: 51.465 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 49 Resp: 113118
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 4.8
 130 81.8 65.0 97.6



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

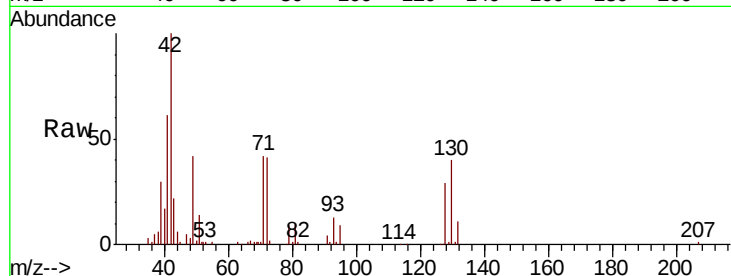




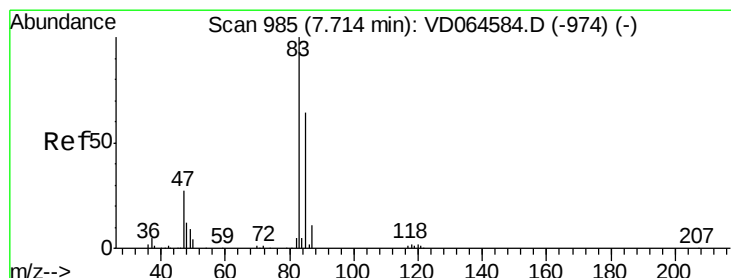
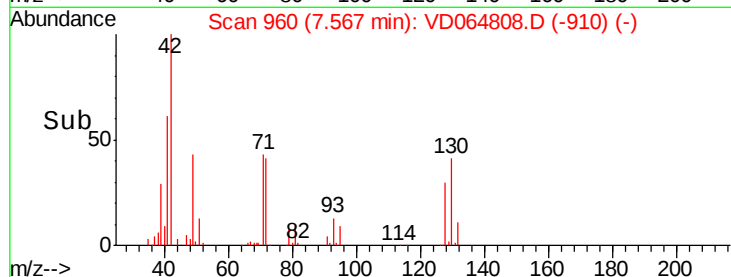
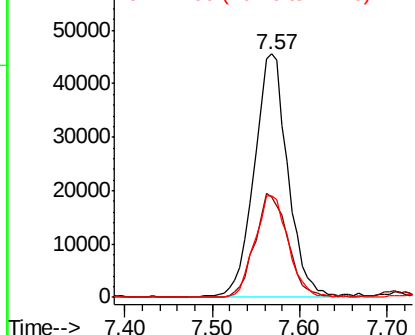
#29
Tetrahydrofuran
Concen: 232.174 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 120473
Ion Ratio Lower Upper
42 100
72 41.8 35.0 52.4
71 41.3 32.9 49.3

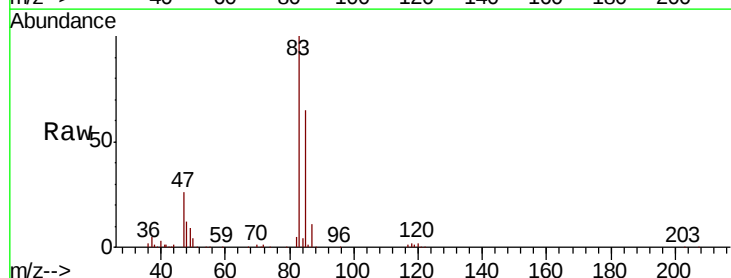


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

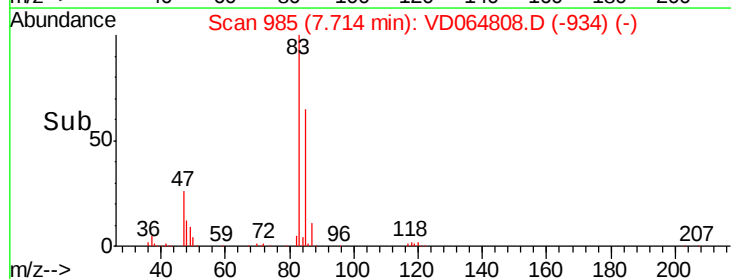
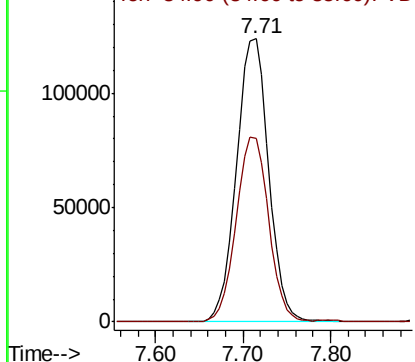


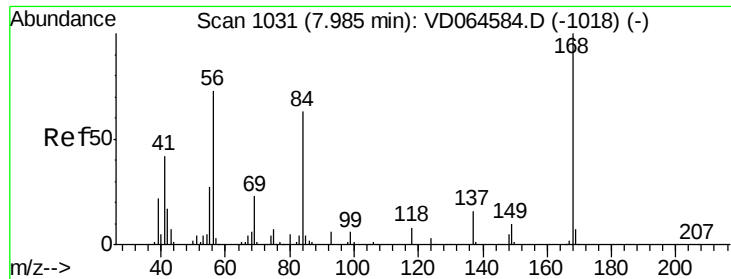
#30
Chloroform
Concen: 51.873 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 83 Resp: 307724
Ion Ratio Lower Upper
83 100
85 65.0 51.1 76.7



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

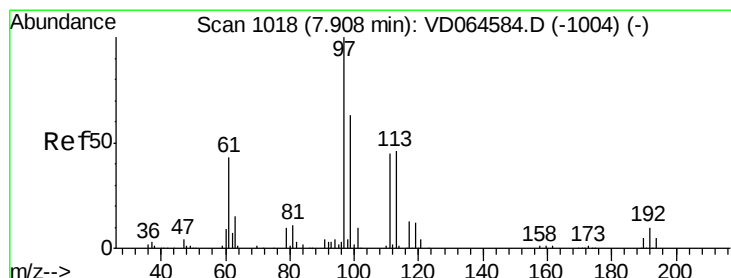
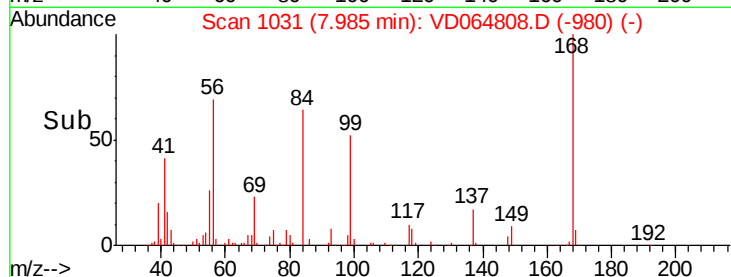
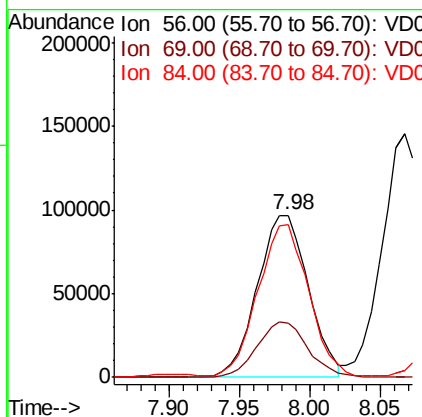
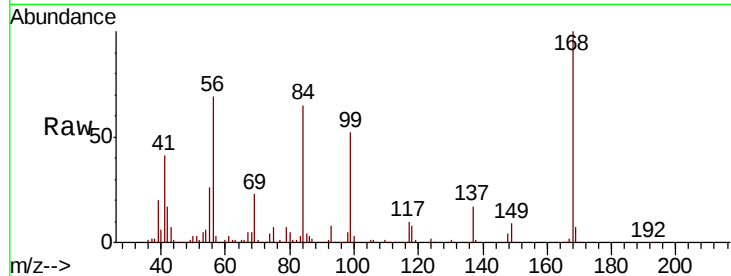




#31
Cyclohexane
Concen: 43.340 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

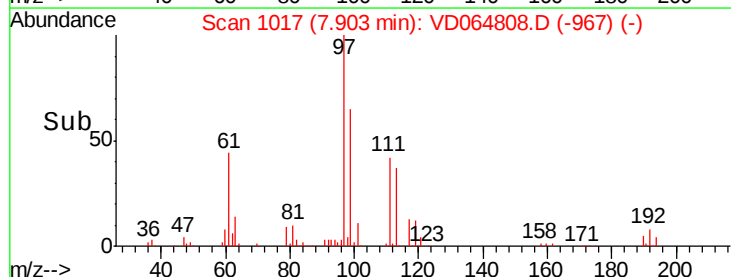
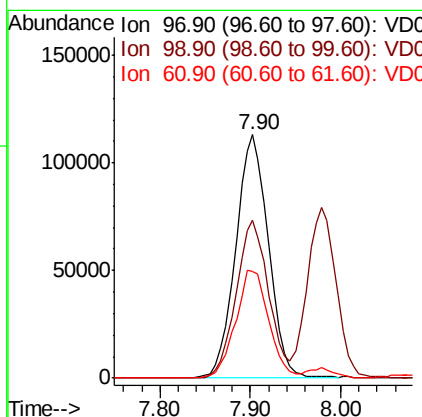
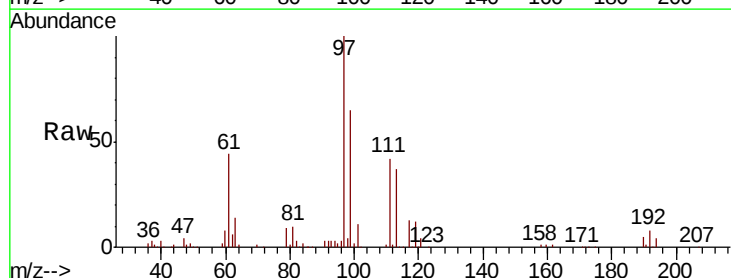
Instrument :
MSVOA_D
ClientSampled :

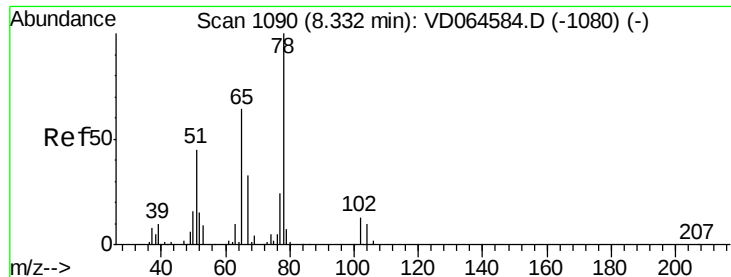
Tot Ion: 56 Resp: 245300
Ion Ratio Lower Upper
56 100
69 33.0 24.7 37.1
84 92.5 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 50.722 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 97 Resp: 282619
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 45.0 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 50.399 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

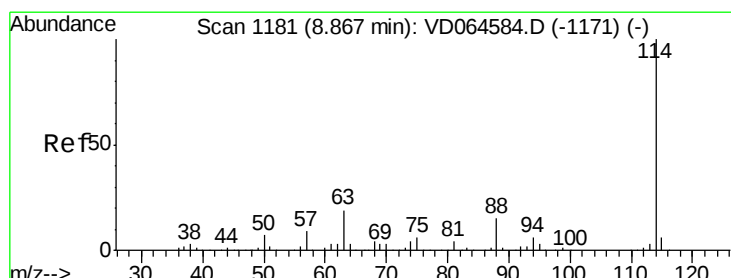
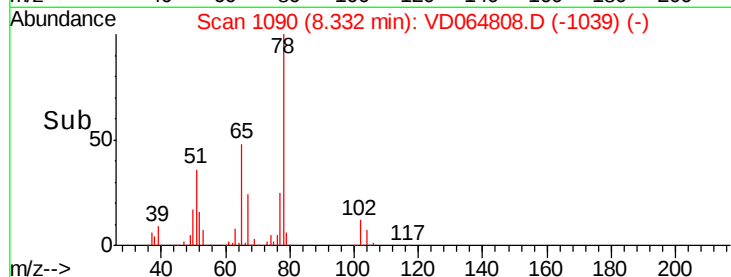
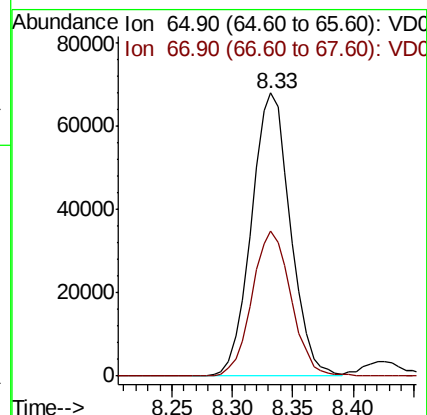
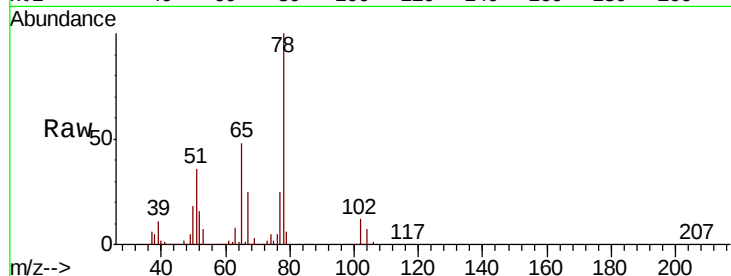
ClientSampleId :

Tot Ion: 65 Resp: 152987

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

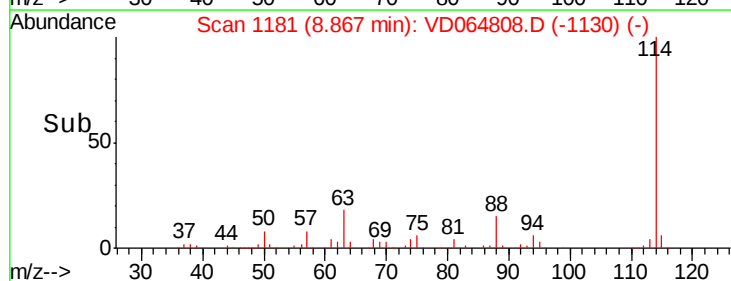
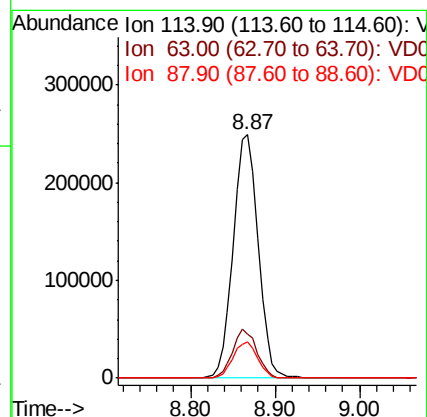
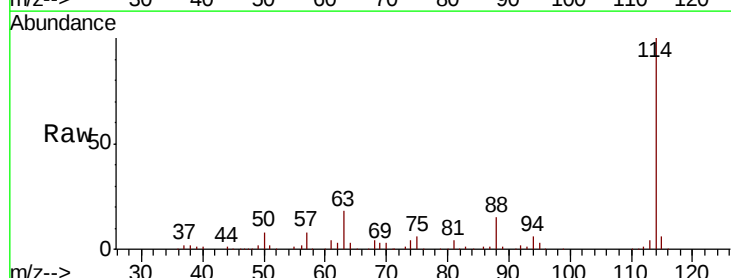
Tgt Ion: 114 Resp: 505367

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.0

88 14.7 0.0 29.2

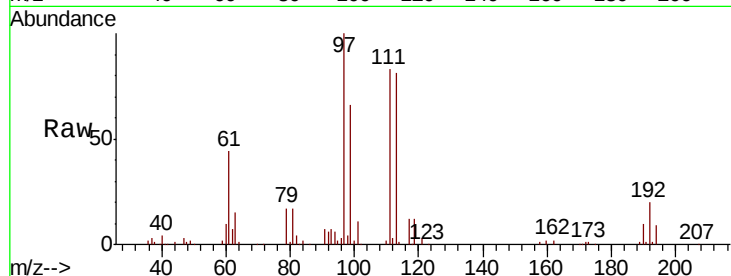




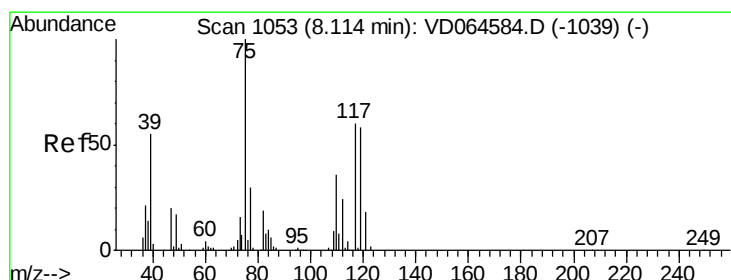
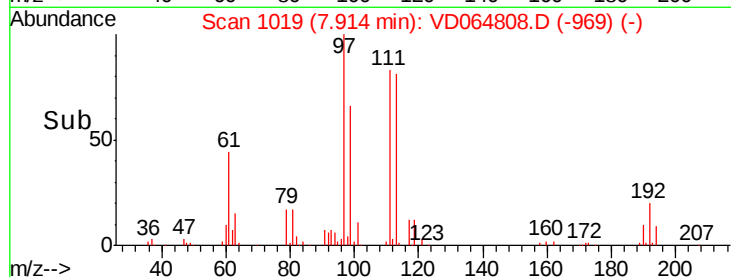
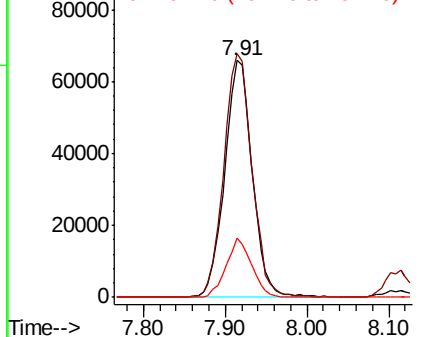
#35
Dibromofluoromethane
Concen: 50.004 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.6	121.0
192	22.9	17.9	26.9

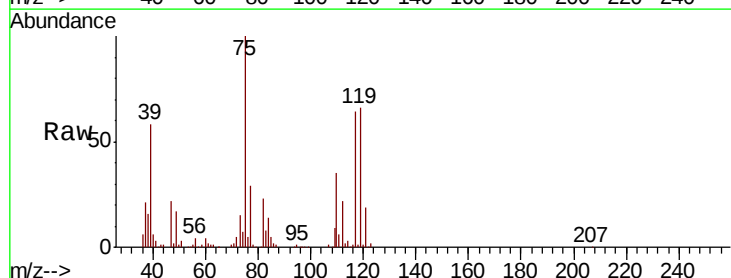


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

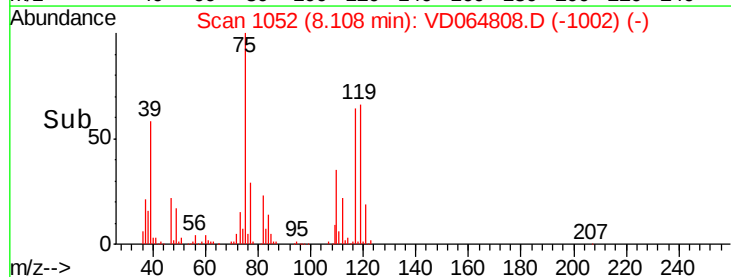
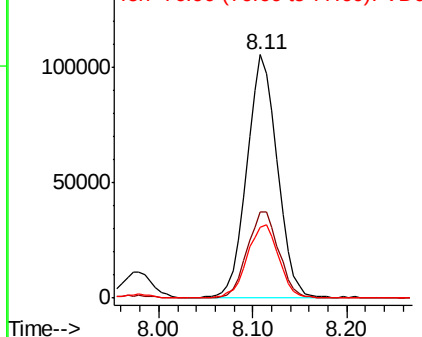


#36
1,1-Dichloropropene
Concen: 48.721 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.3	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

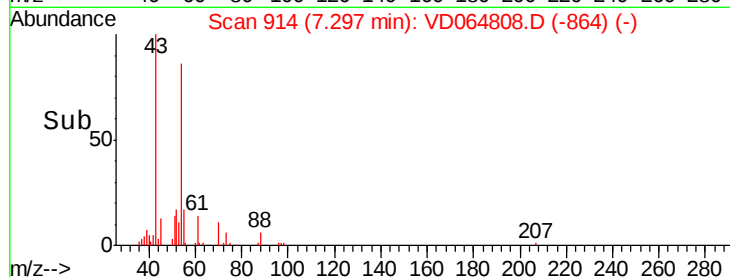
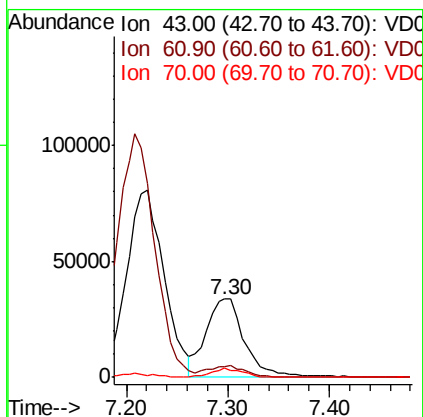
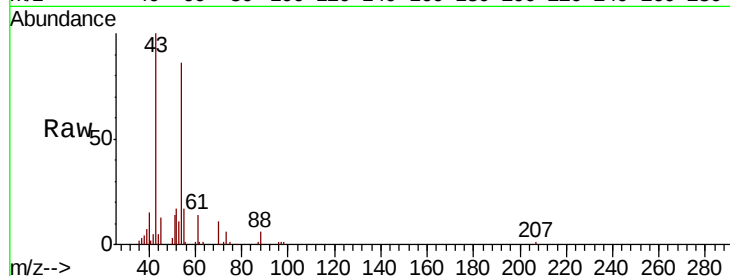




#37
Ethyl Acetate
Concen: 45.999 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

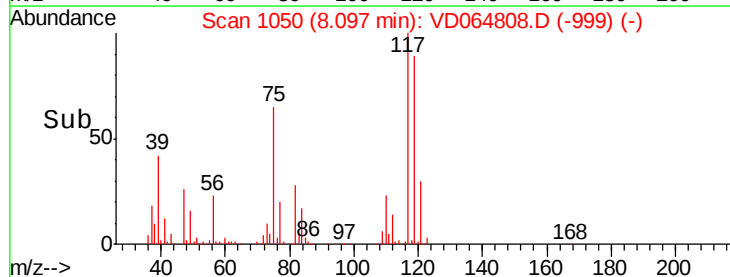
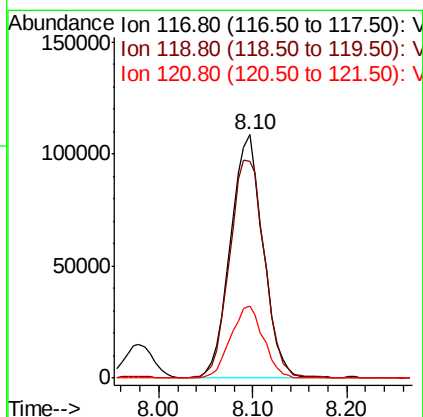
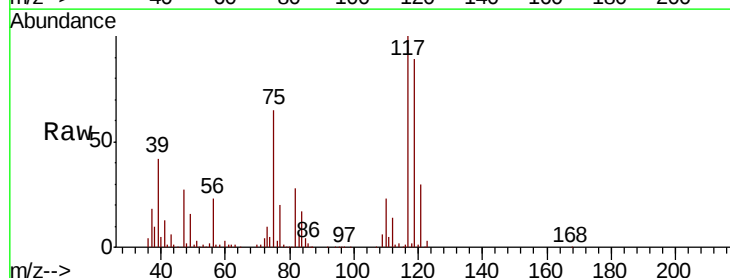
Instrument :
MSVOA_D
ClientSampleId :

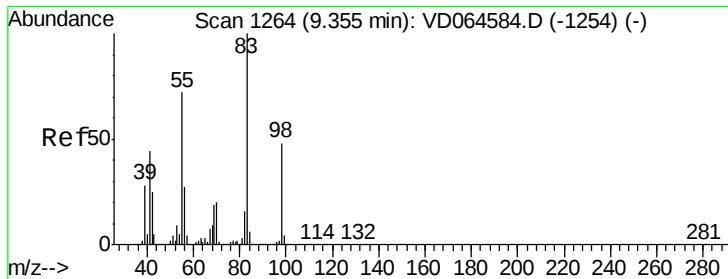
Tot Ion: 43 Resp: 87898
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.310 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 117 Resp: 260938
Ion Ratio Lower Upper
117 100
119 88.9 77.3 115.9
121 29.7 25.0 37.6

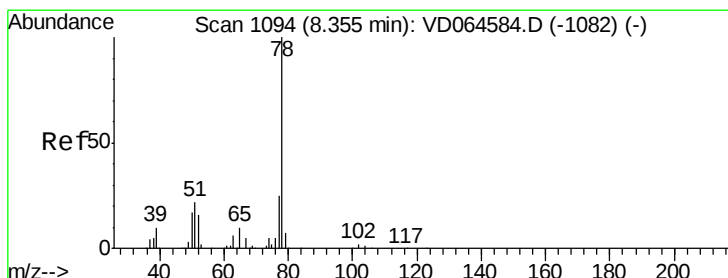
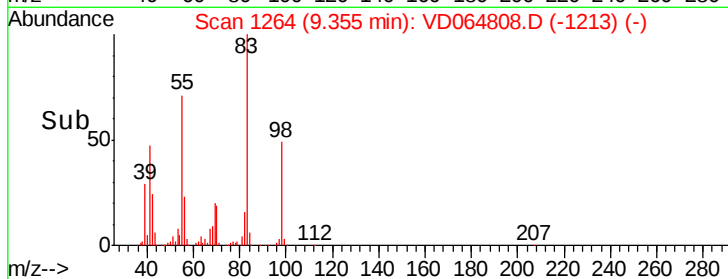
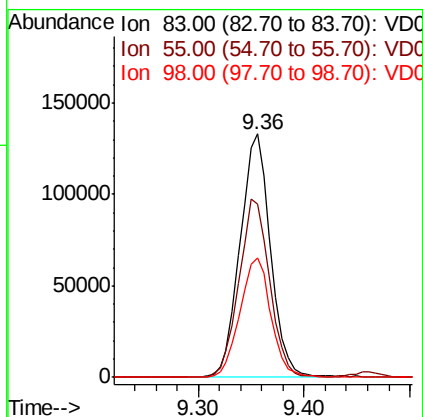
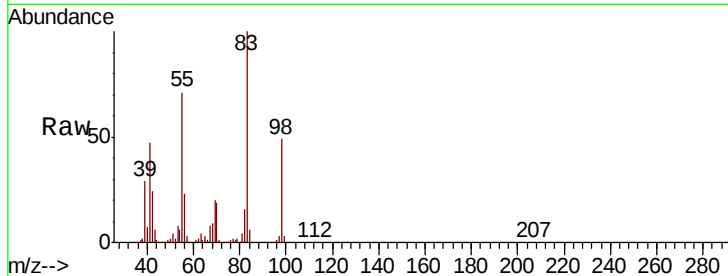




#39
Methvlcvclohexane
Concen: 45.153 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

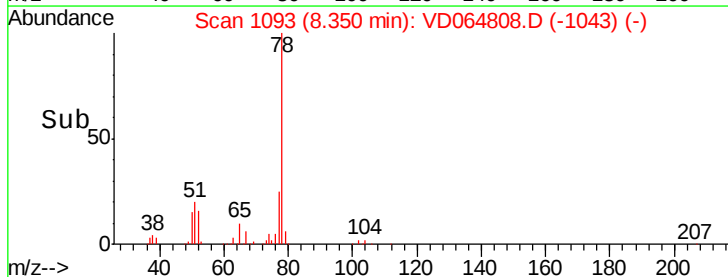
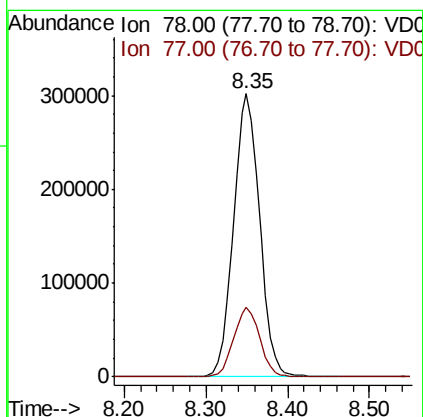
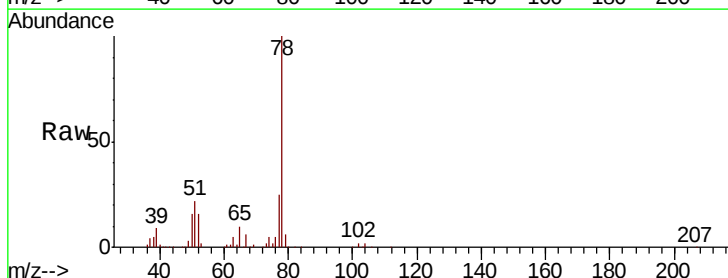
Instrument :
MSVOA_D
ClientSampleId :

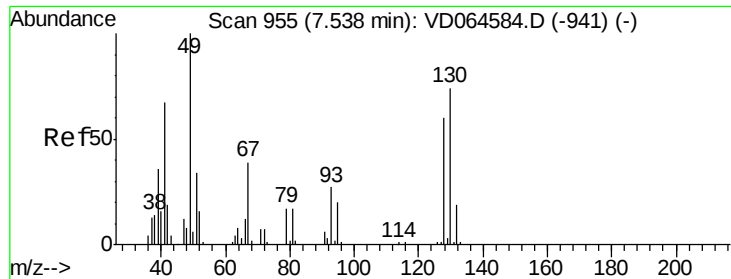
Tot Ion: 83 Resp: 266014
Ion Ratio Lower Upper
83 100
55 71.3 57.8 86.6
98 48.9 38.7 58.1



#40
Benzene
Concen: 50.429 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 78 Resp: 669627
Ion Ratio Lower Upper
78 100
77 24.7 19.9 29.9

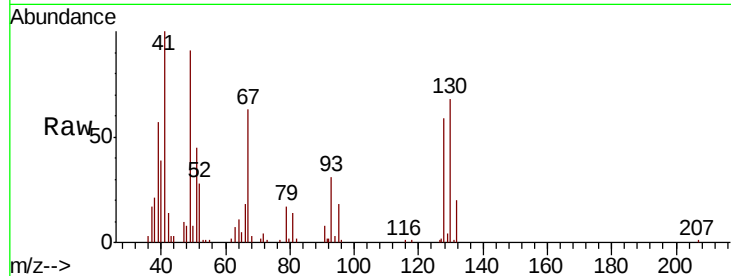




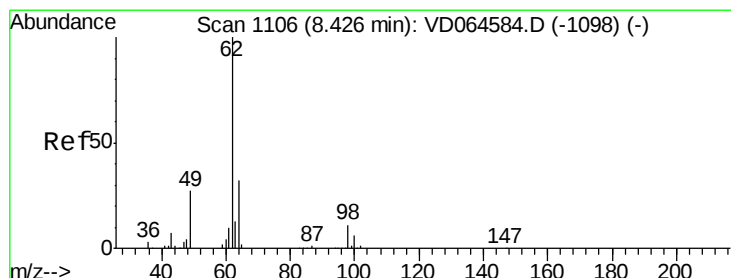
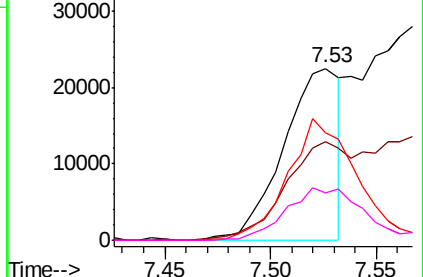
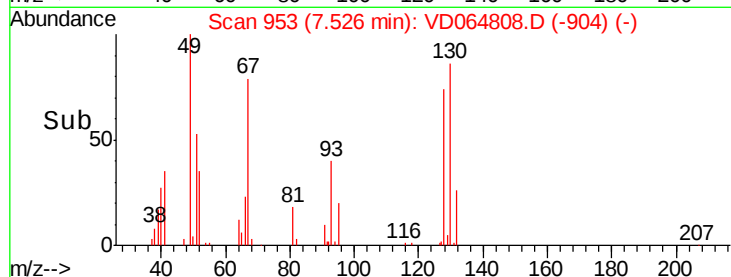
#41
Methacrylonitrile
Concen: 37.774 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 41880
Ion Ratio Lower Upper
41 100
39 65.2 46.7 70.1
67 86.3 52.5 78.7#
52 42.1 24.1 36.1#

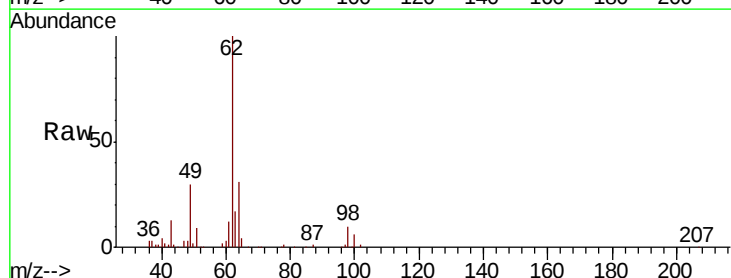


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

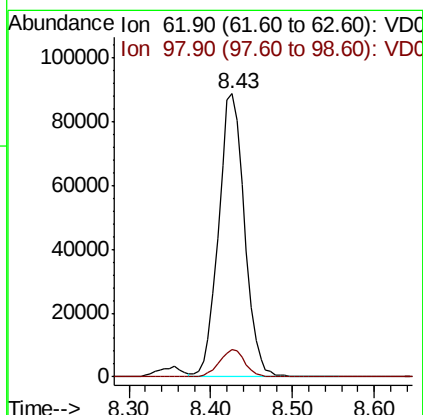
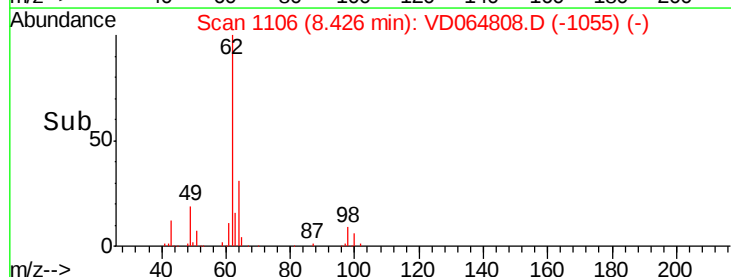


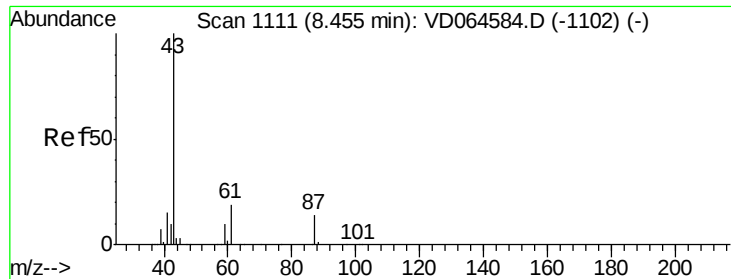
#42
1,2-Dichloroethane
Concen: 51.280 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 62 Resp: 196769
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



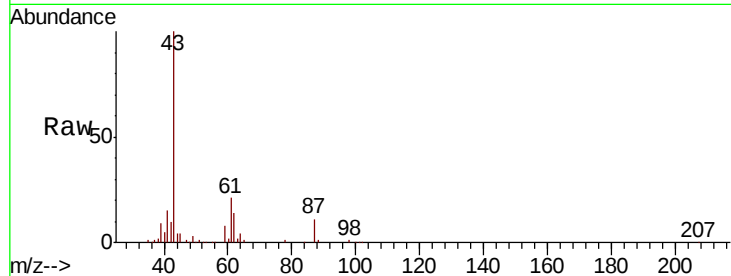


#43

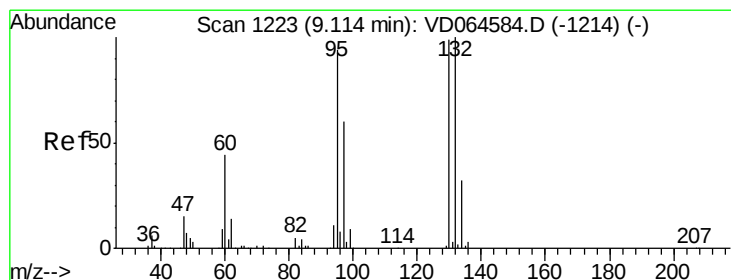
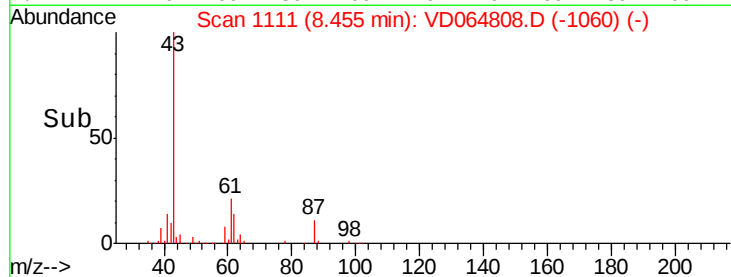
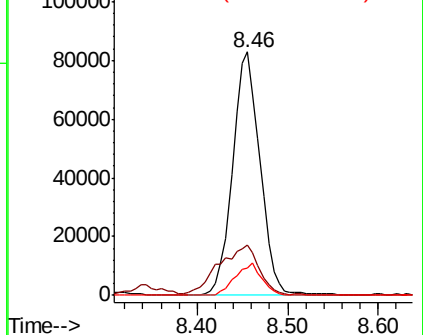
Isopropyl Acetate
 Concen: 45.452 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 172873
 Ion Ratio Lower Upper
 43 100
 61 30.9 23.7 35.5
 87 12.9 10.5 15.7



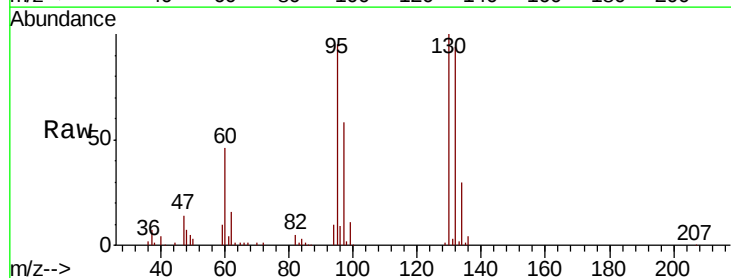
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



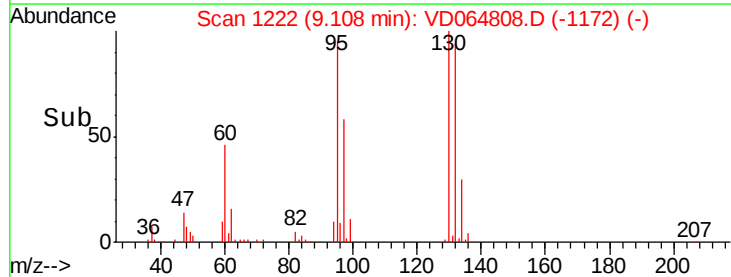
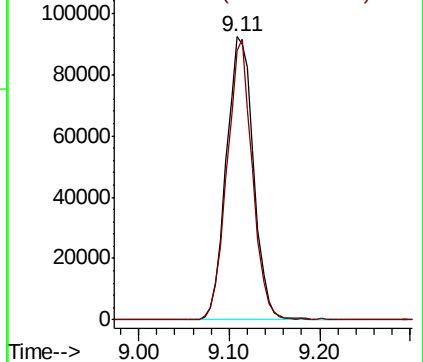
#44

Trichloroethene
 Concen: 49.319 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 130 Resp: 192386
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 51.251 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

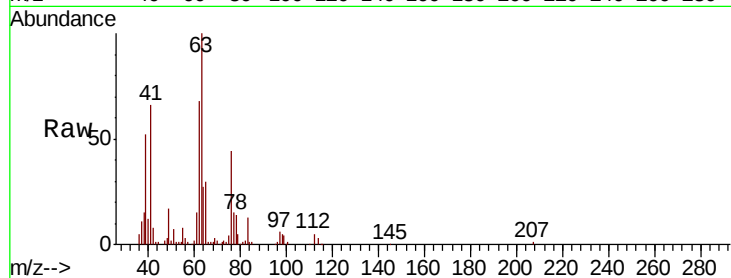
ClientSampleId :

Tot Ion: 63 Resp: 162487

Ion Ratio Lower Upper

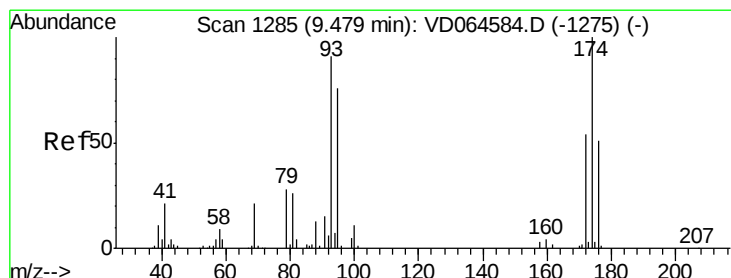
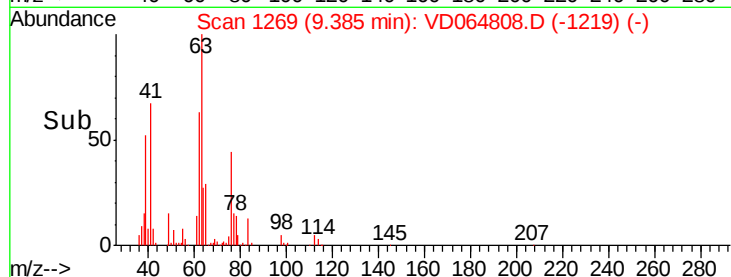
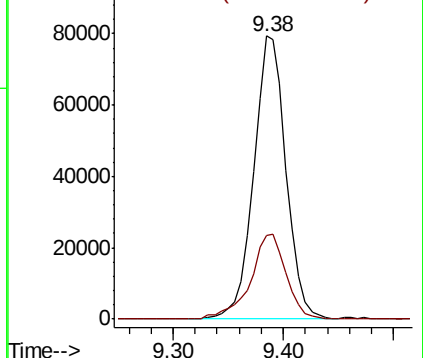
63 100

65 29.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.200 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

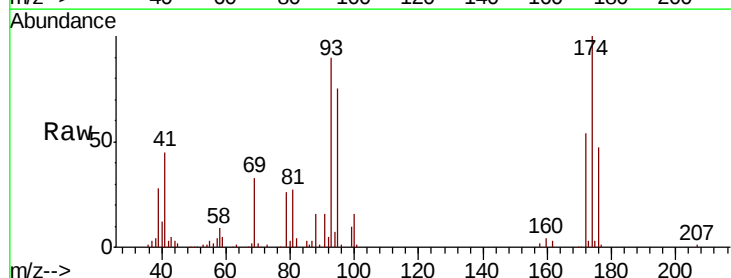
Tgt Ion: 93 Resp: 85200

Ion Ratio Lower Upper

93 100

95 84.2 64.6 97.0

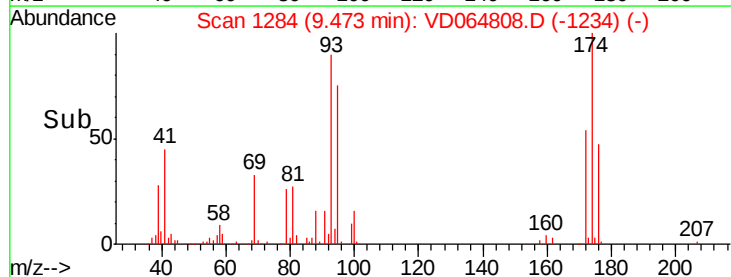
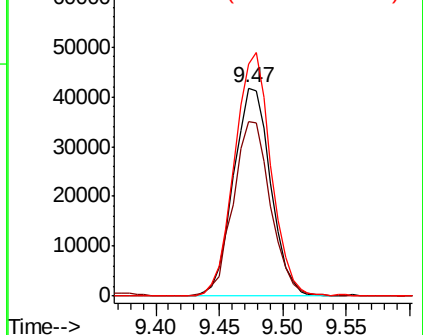
174 114.6 88.1 132.1

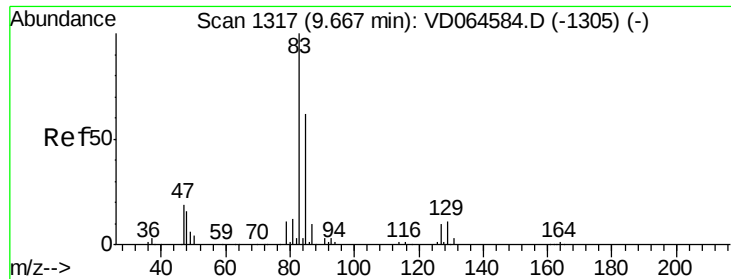


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.455 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

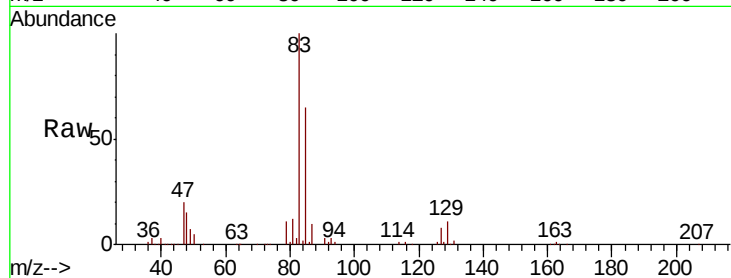
Tot Ion: 83 Resp: 237318

Ion Ratio Lower Upper

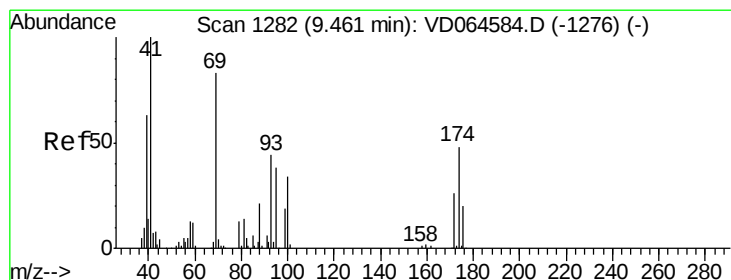
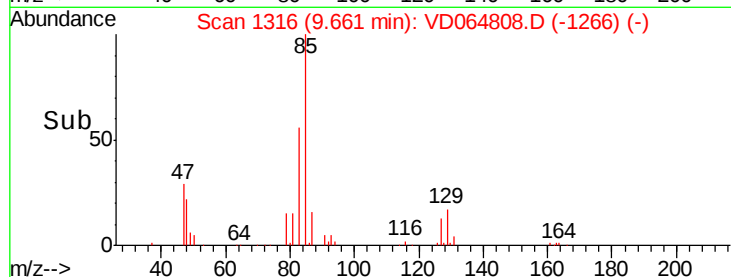
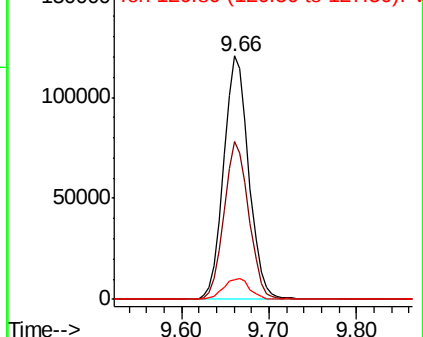
83 100

85 65.0 49.5 74.3

127 8.3 7.8 11.6



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: 46.175 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

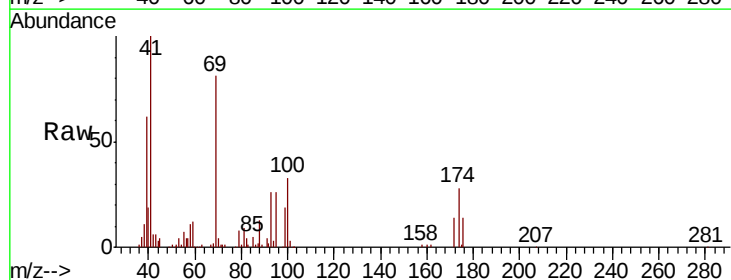
Tgt Ion: 41 Resp: 82693

Ion Ratio Lower Upper

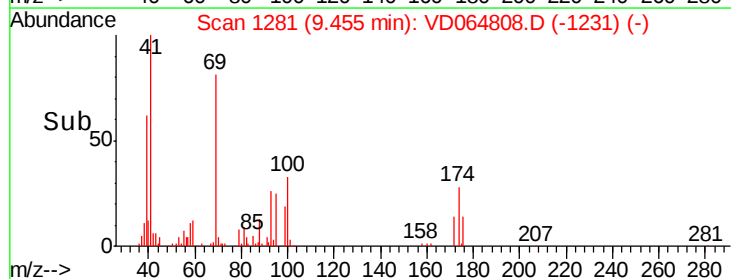
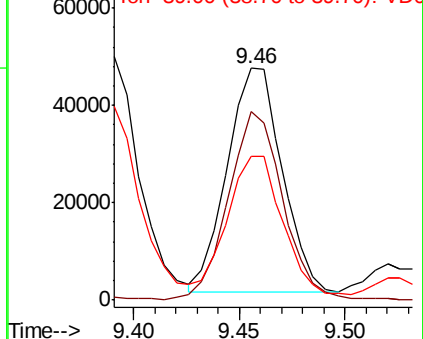
41 100

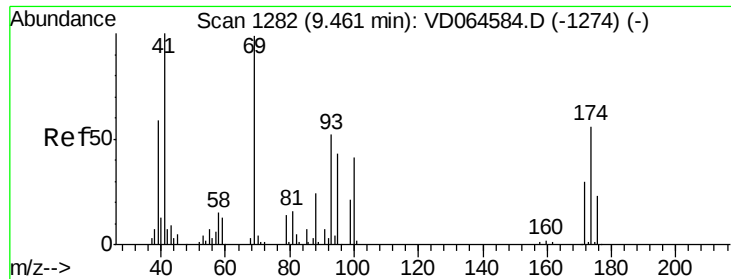
69 84.4 63.0 94.6

39 67.6 47.4 71.2



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

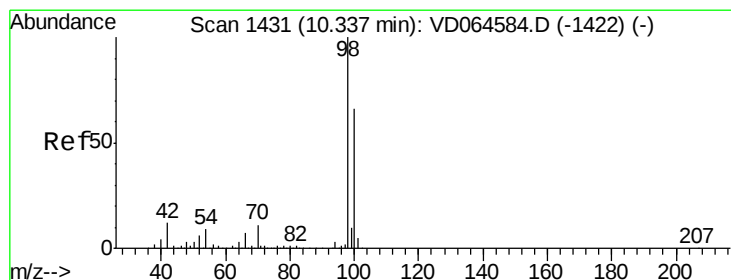
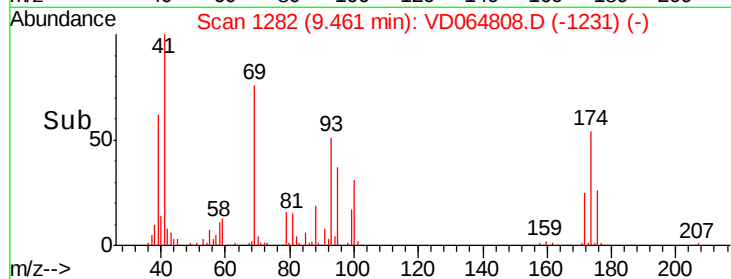
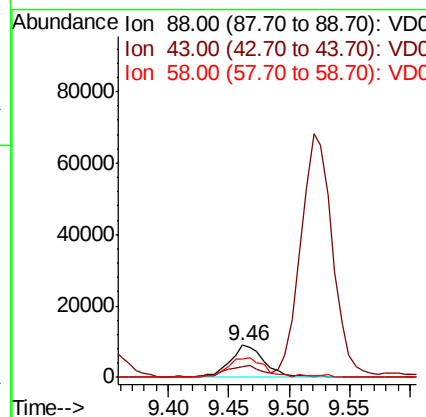
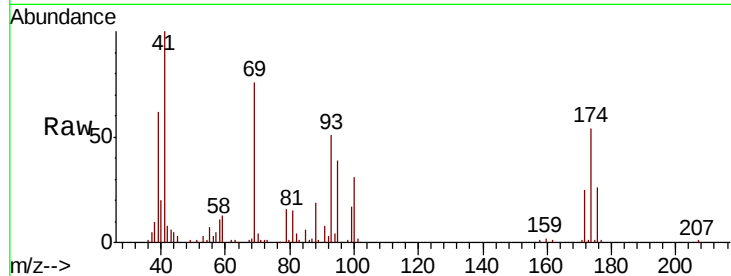




#49
 1,4-Dioxane
 Concen: 881.713 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

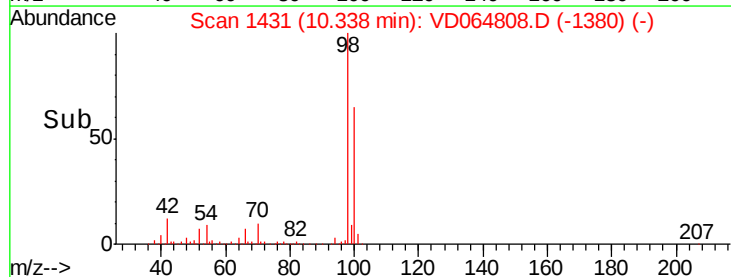
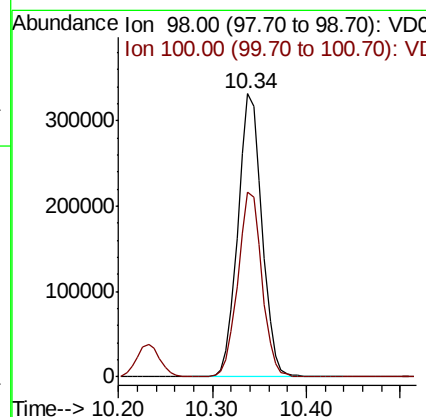
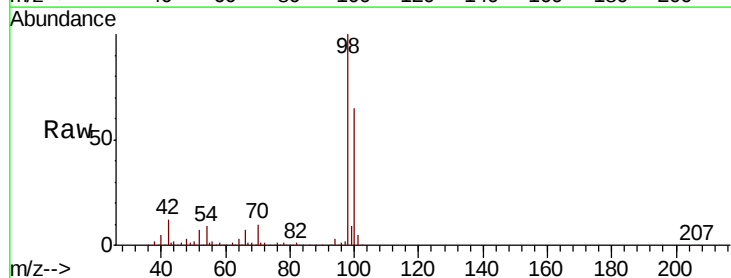
Instrument :
 MSVOA_D
 ClientSampleId :

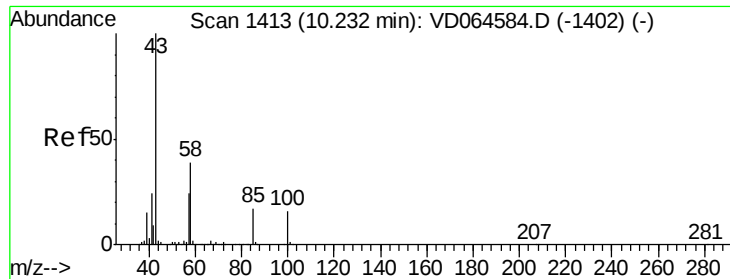
Tot Ion: 88 Resp: 17971
 Ion Ratio Lower Upper
 88 100
 43 37.4 27.7 41.5
 58 63.5 53.8 80.6



#50
 Toluene-d8
 Concen: 49.813 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 98 Resp: 591513
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5

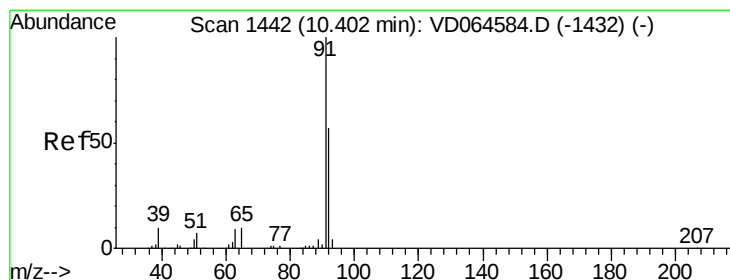
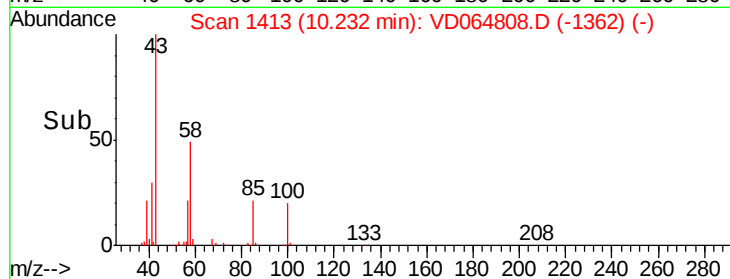
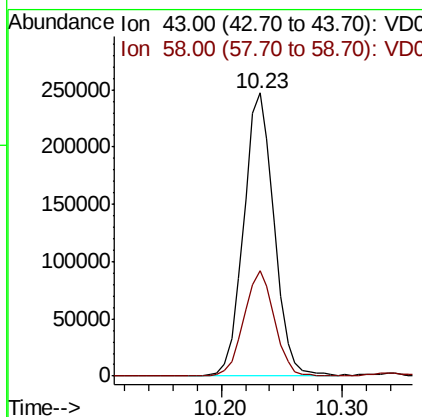
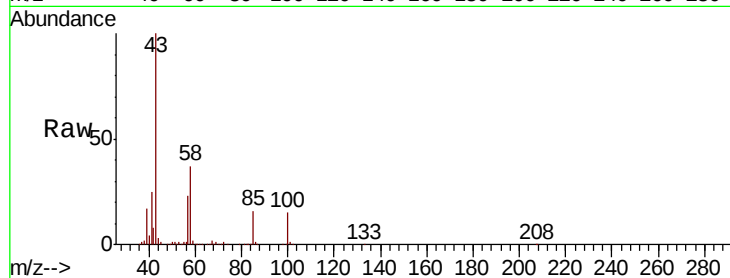




#51
4-Methyl-2-Pentanone
Concen: 231.154 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

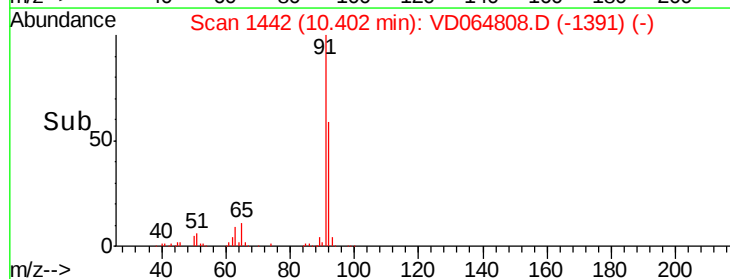
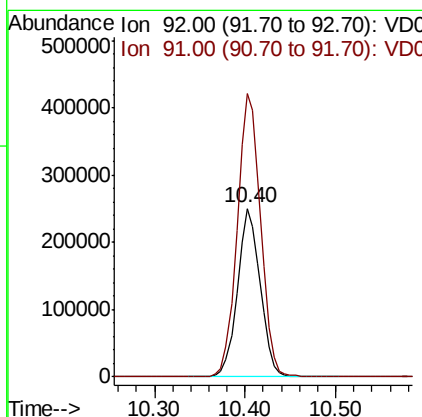
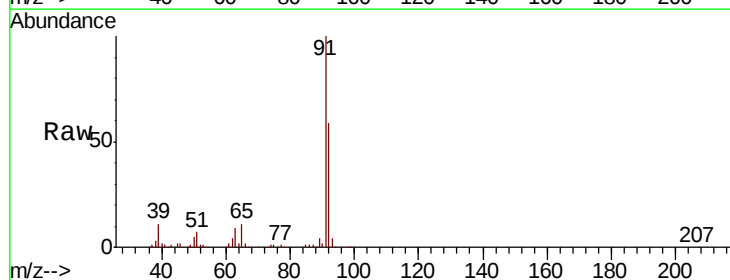
Instrument :
MSVOA_D
ClientSampled :

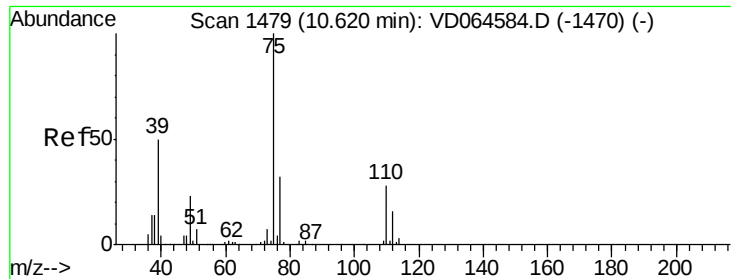
Tot Ion: 43 Resp: 434562
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.2



#52
Toluene
Concen: 50.235 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 92 Resp: 437635
Ion Ratio Lower Upper
92 100
91 172.6 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 50.439 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

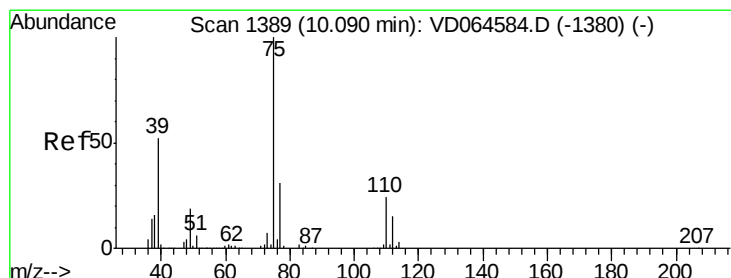
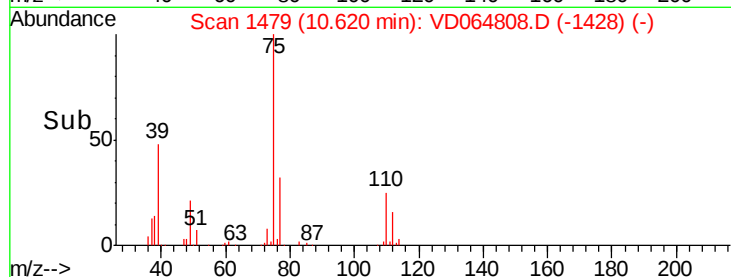
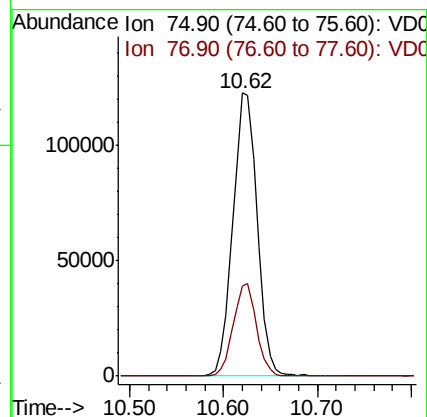
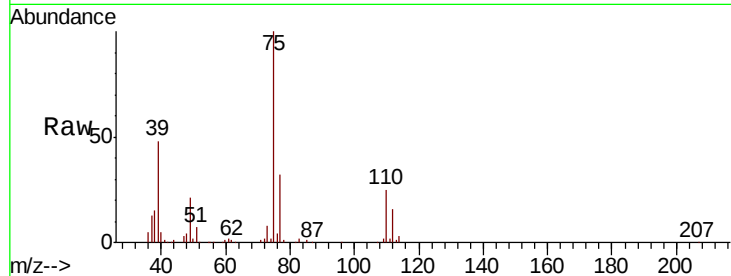
ClientSampled :

Tot Ion: 75 Resp: 221190

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.461 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

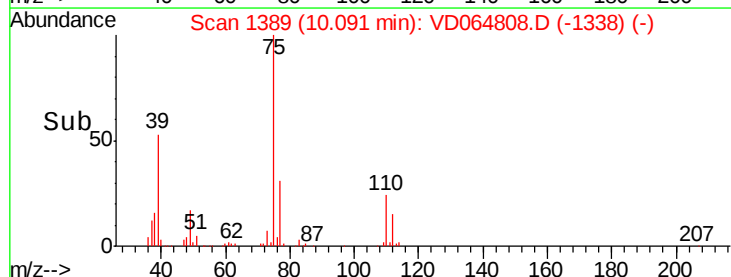
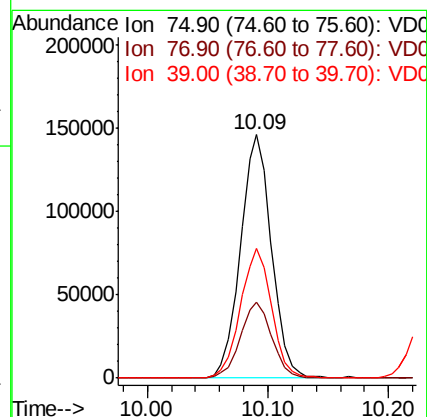
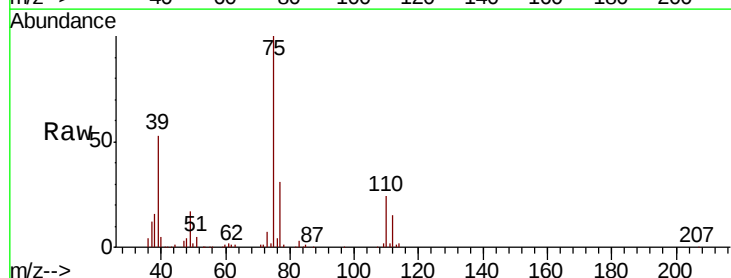
Tgt Ion: 75 Resp: 260926

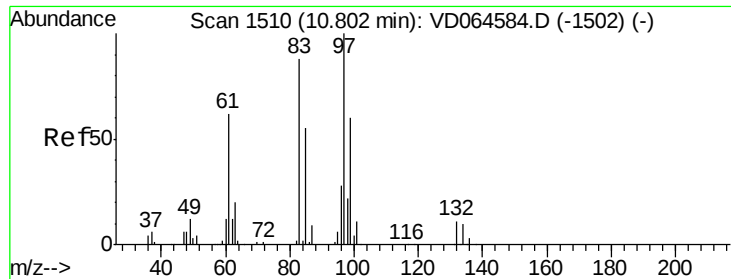
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 53.2 41.4 62.2



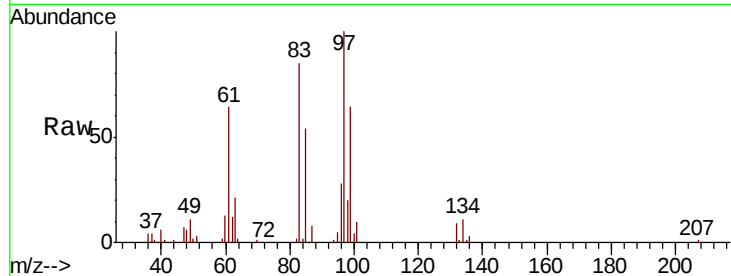


#55
 1,1,2-Trichloroethane
 Concen: 48.981 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 116682

Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.4
85	53.8	44.0	66.0
99	63.6	47.8	71.6



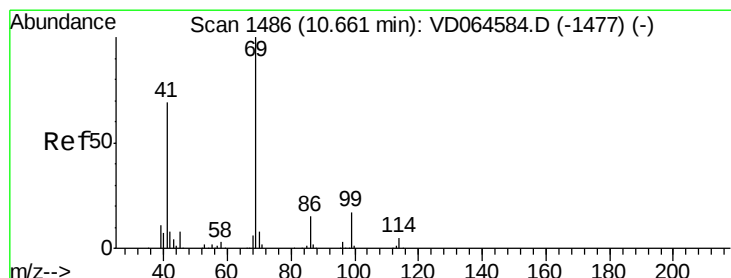
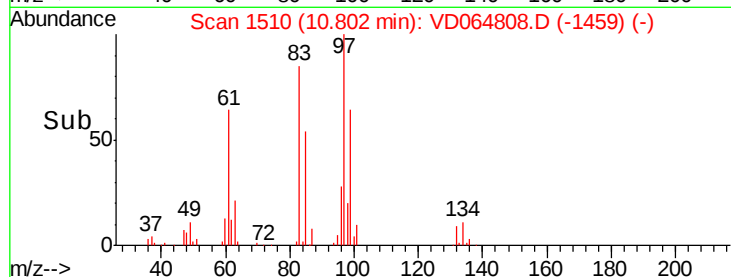
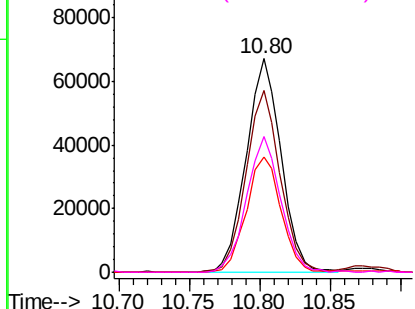
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

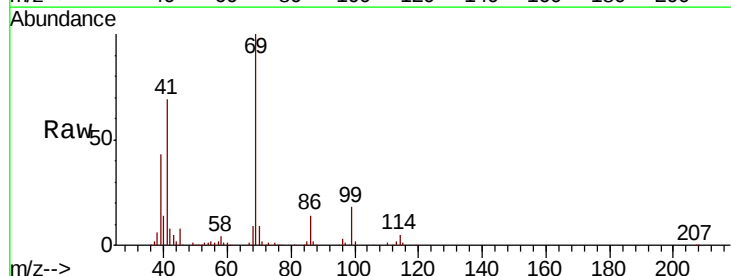
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 45.920 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 69 Resp: 136614

Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.3	82.9
39	43.8	33.8	50.8

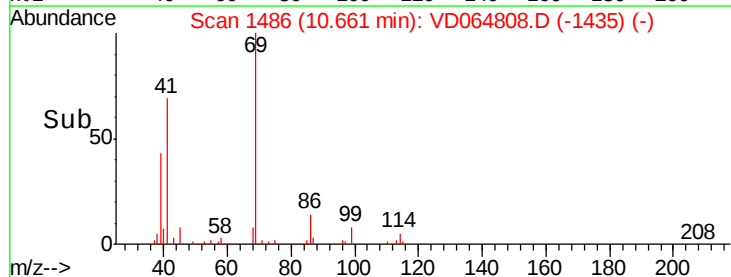
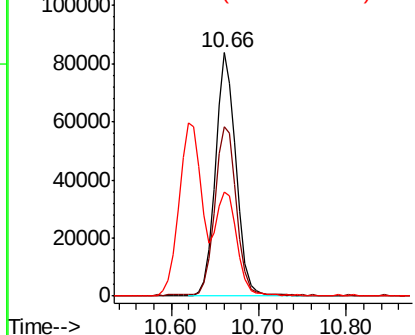


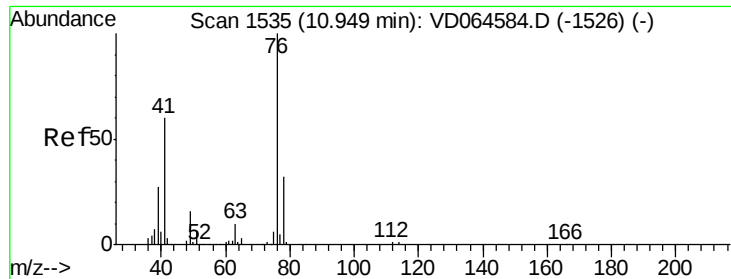
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.102 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

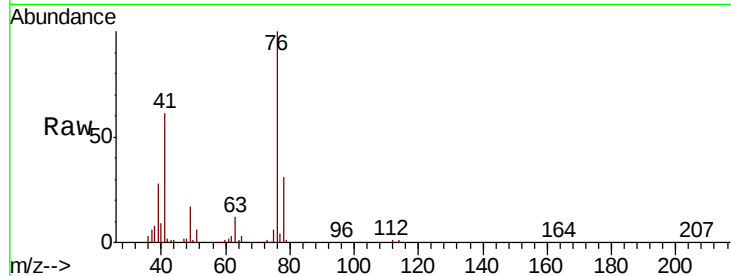
ClientSampleId :

Tot Ion: 76 Resp: 197298

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

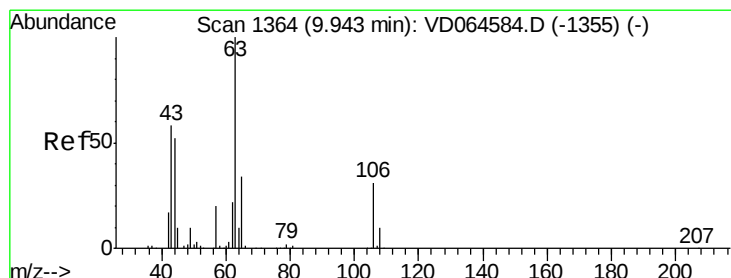
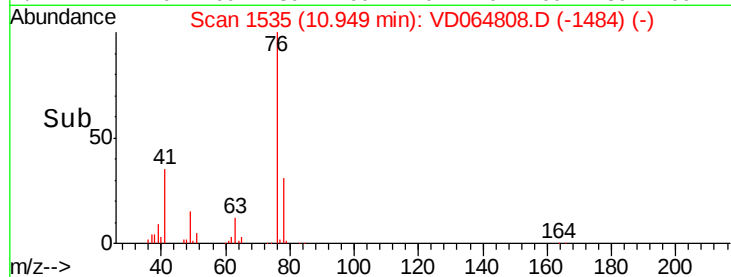
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 228.050 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064808.D

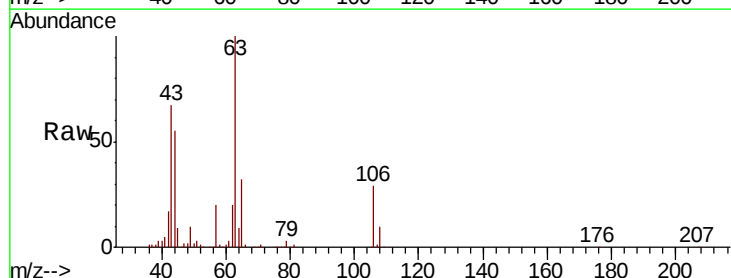
Acq: 09 Jan 2020 10:25

Tgt Ion: 63 Resp: 258486

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

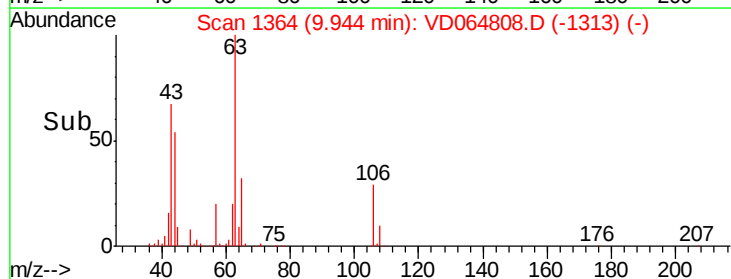
150000

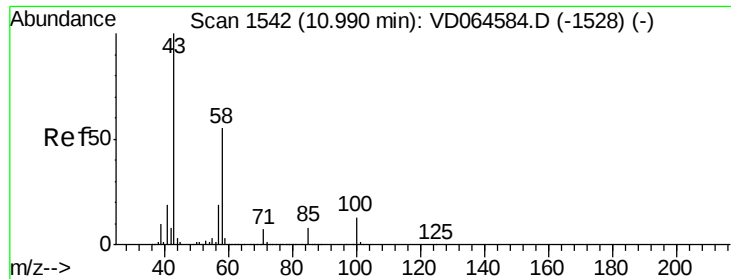
100000

50000

0

Time-->

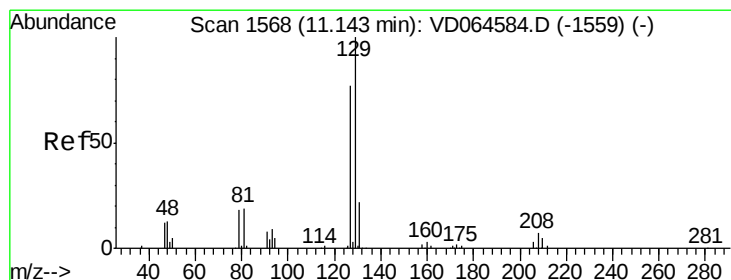
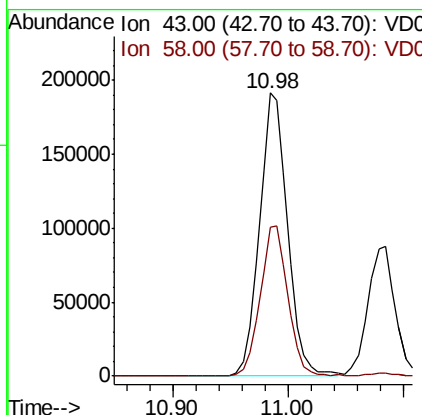
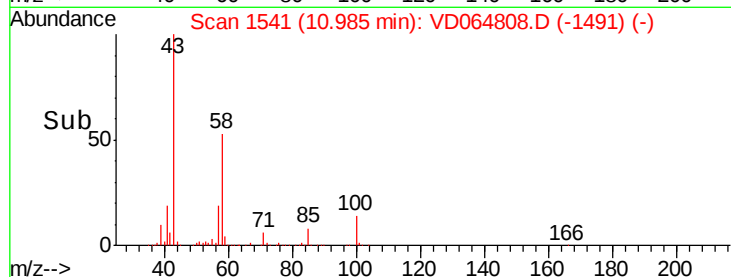
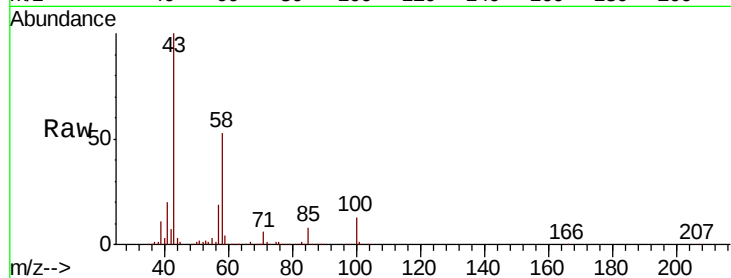




#59
2-Hexanone
Concen: 253.818 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

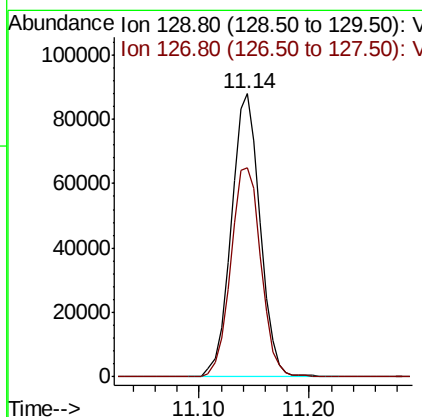
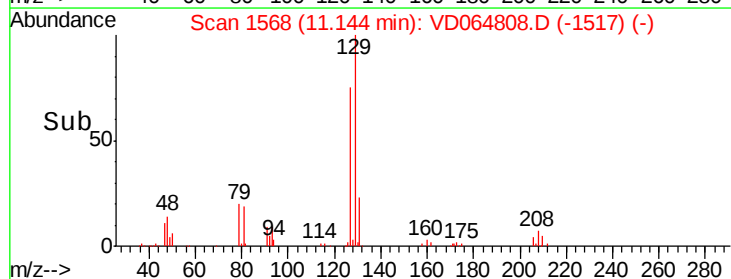
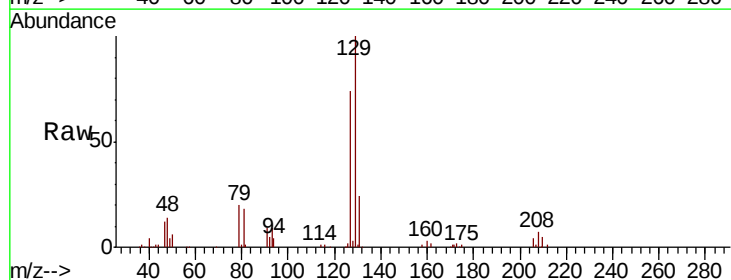
Instrument :
MSVOA_D
ClientSampled :

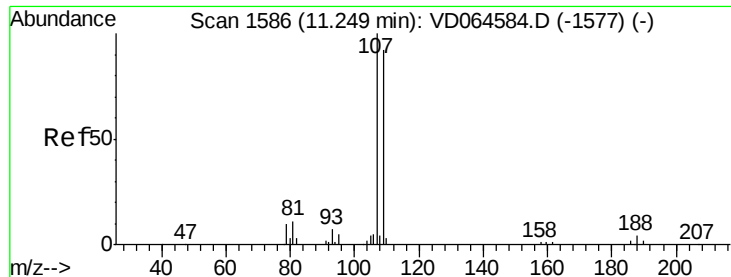
Tot Ion: 43 Resp: 323864
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0



#60
Dibromochloromethane
Concen: 48.795 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 129 Resp: 160741
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

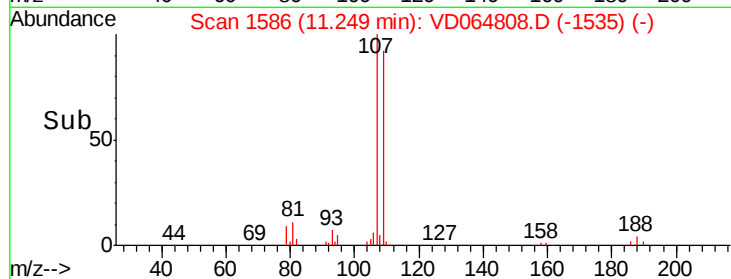
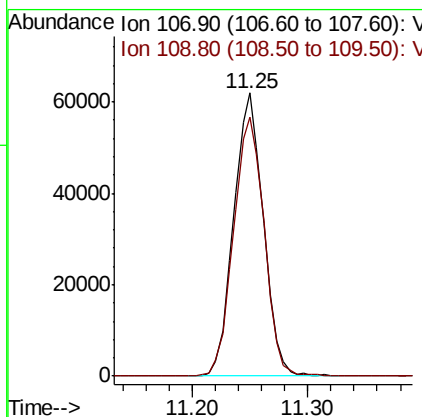
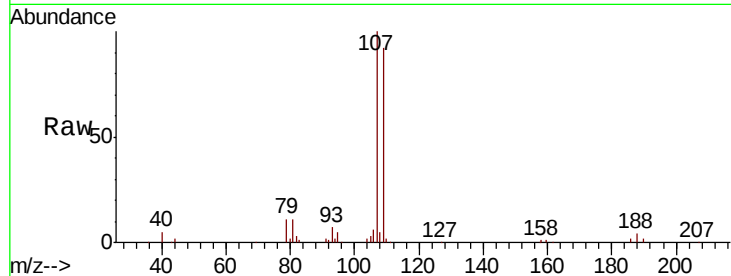




#61
 1,2-Dibromoethane
 Concen: 46.779 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

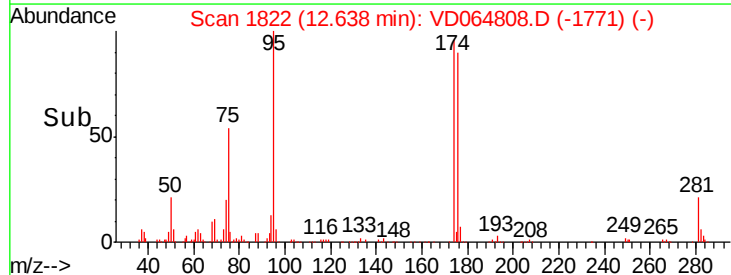
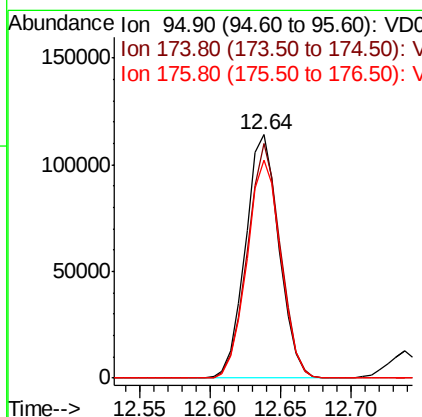
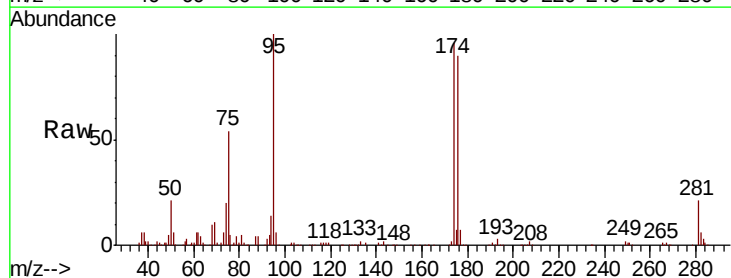
Instrument :
 MSVOA_D
 ClientSampleId :

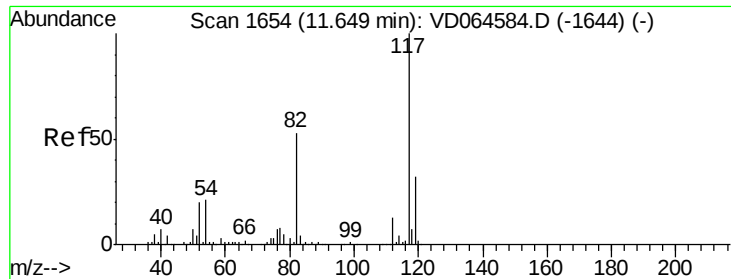
Tot Ion: 107 Resp: 109911
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.746 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 95 Resp: 190546
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 193.2
 176 90.6 0.0 184.2

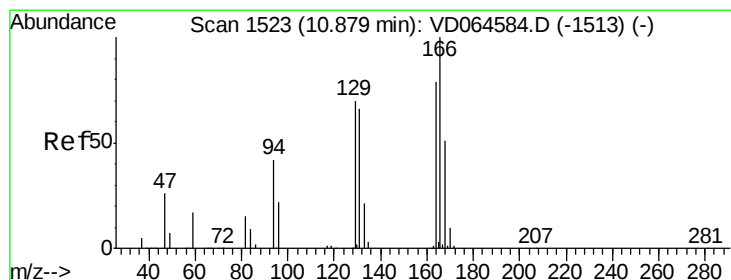
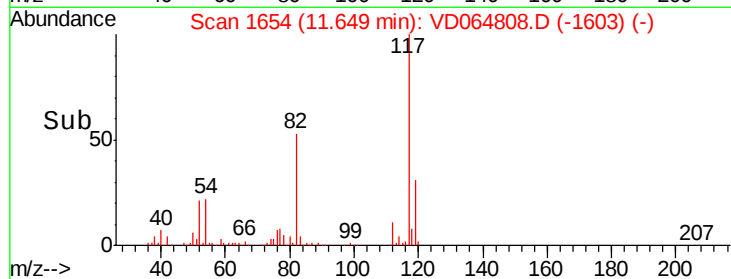
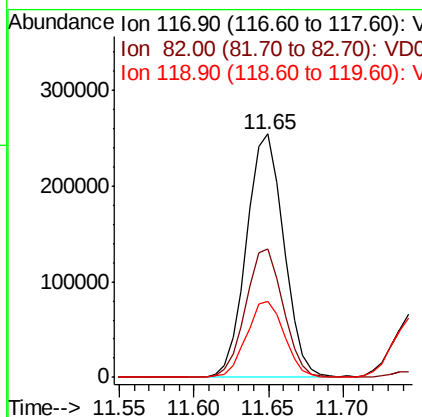
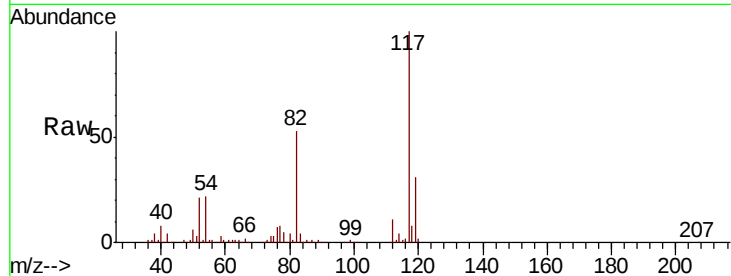




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

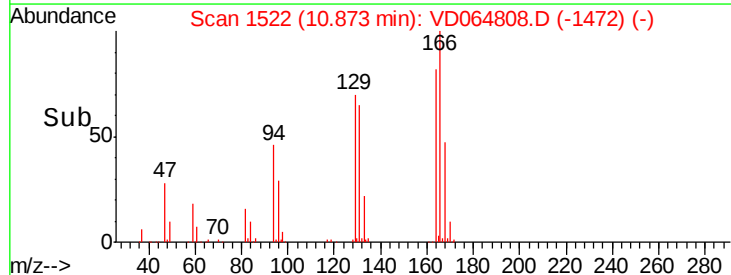
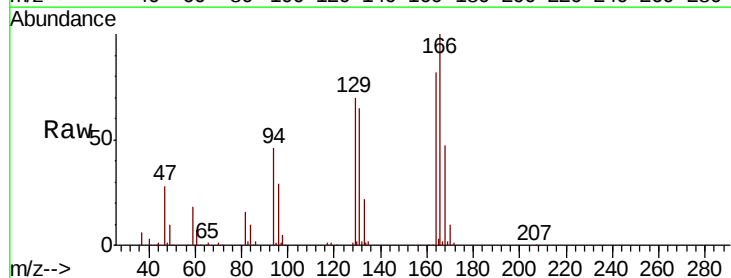
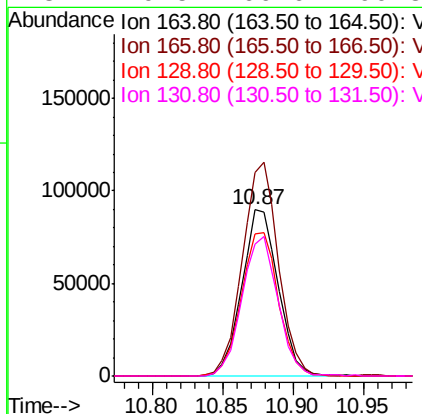
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	31.1	26.0	39.0



#64
Tetrachloroethene
Concen: 47.884 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.3	151.9
129	85.3	70.5	105.7
131	79.5	66.6	99.8

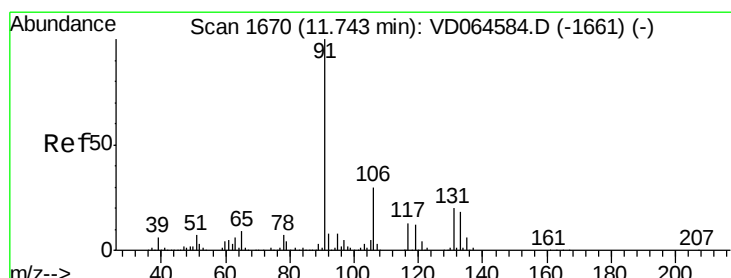
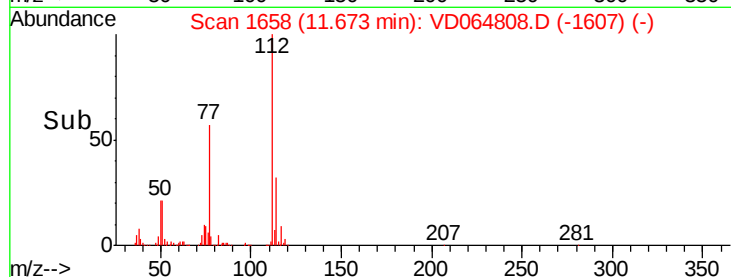
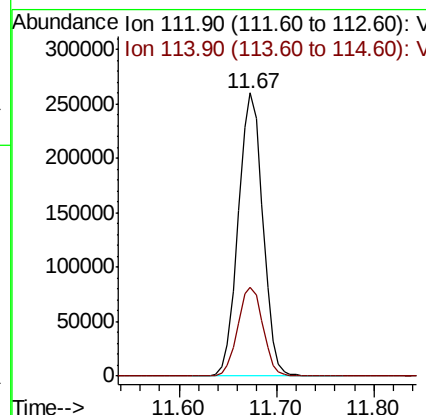
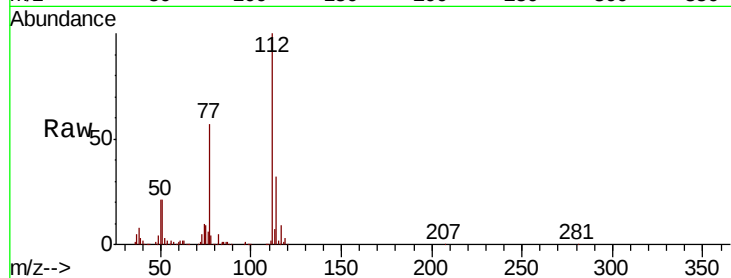




#65
Chlorobenzene
Concen: 49.846 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

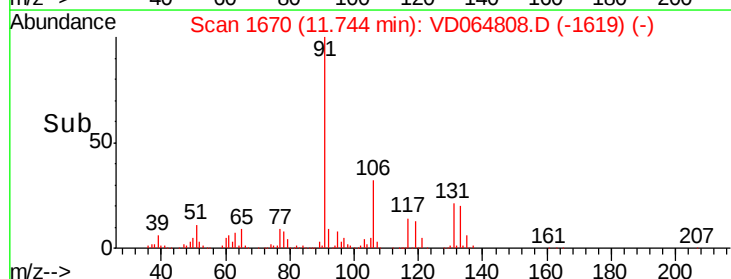
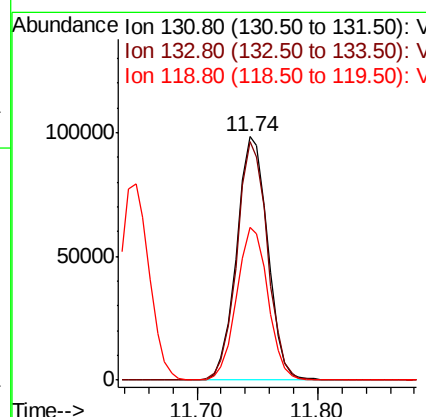
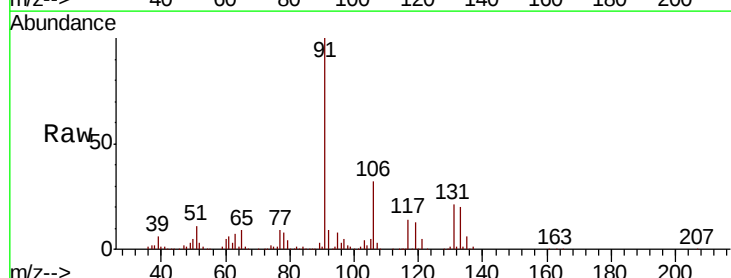
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 455015
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.529 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion:131 Resp: 177328
Ion Ratio Lower Upper
131 100
133 96.1 48.3 144.8
119 63.0 32.1 96.3





#67

Ethyl Benzene

Concen: 50.280 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

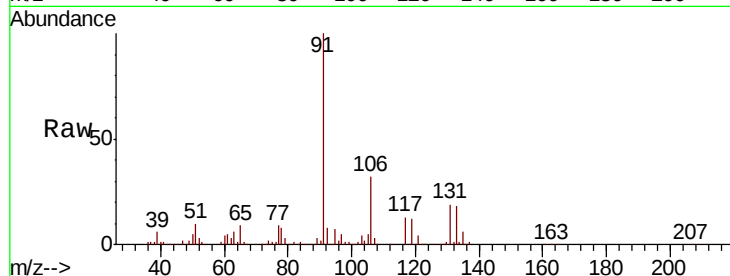
ClientSampleId :

Tot Ion: 91 Resp: 833074

Ion Ratio Lower Upper

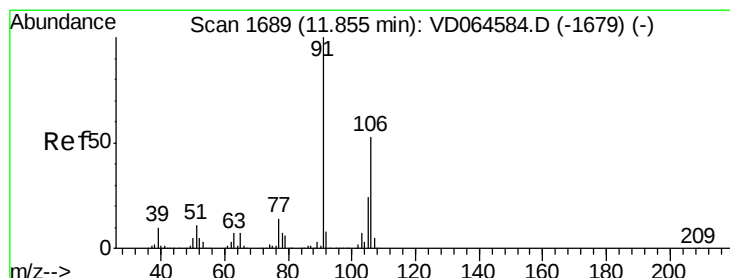
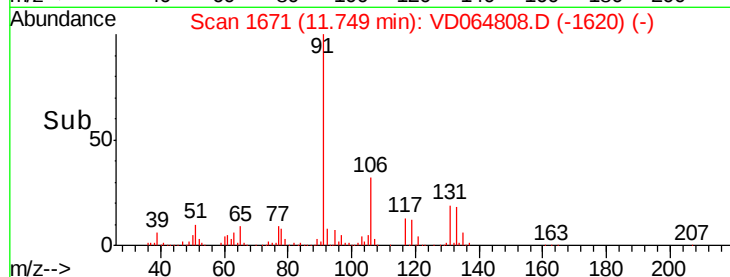
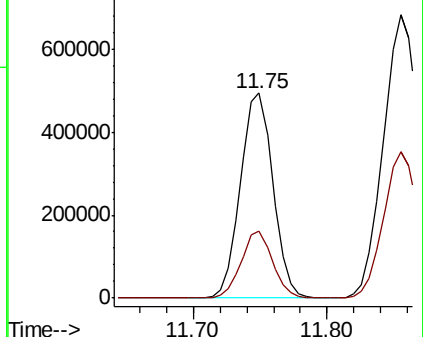
91 100

106 32.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.469 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064808.D

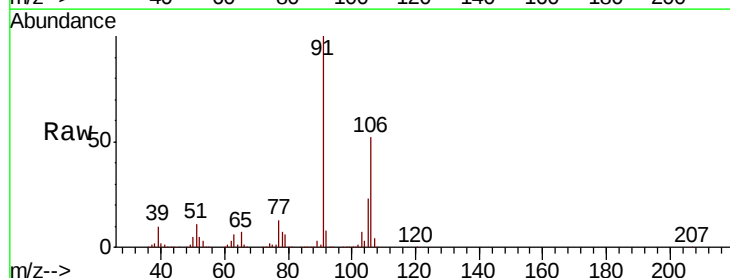
Acq: 09 Jan 2020 10:25

Tgt Ion: 106 Resp: 655306

Ion Ratio Lower Upper

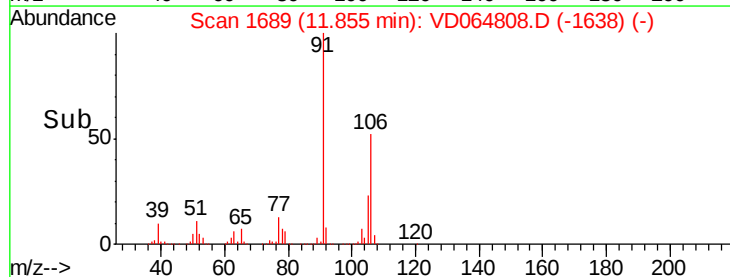
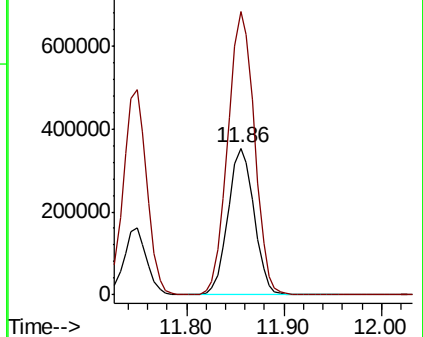
106 100

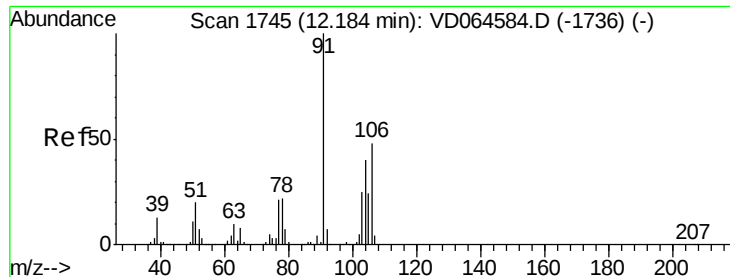
91 197.3 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

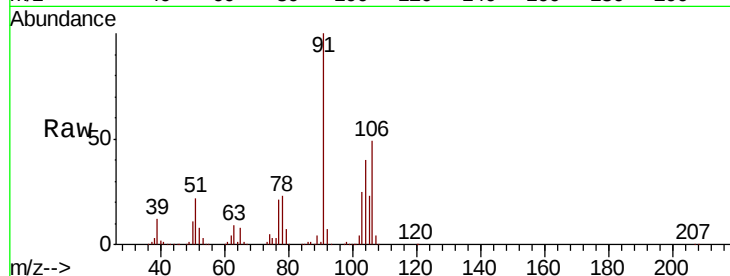




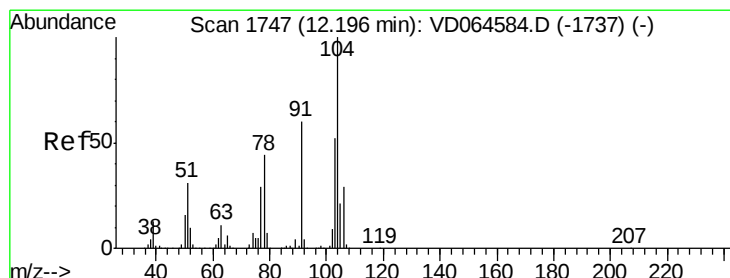
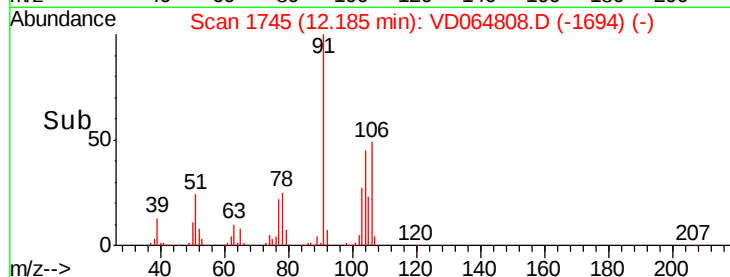
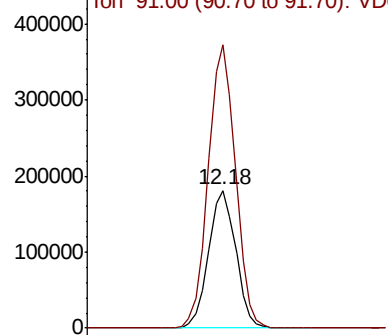
#69
o-Xylene
Concen: 51.186 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 295676
Ion Ratio Lower Upper
106 100
91 205.7 104.8 314.4

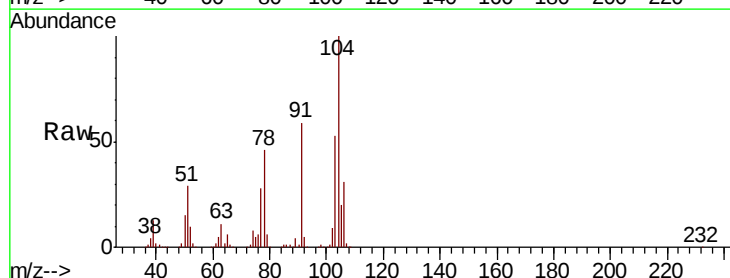


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

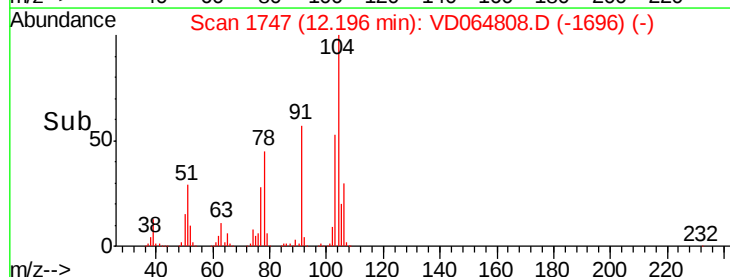
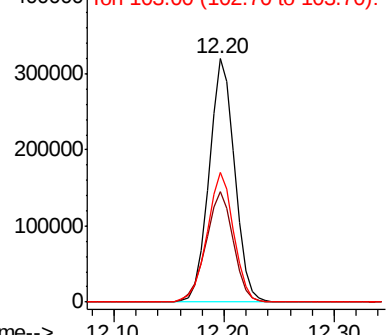


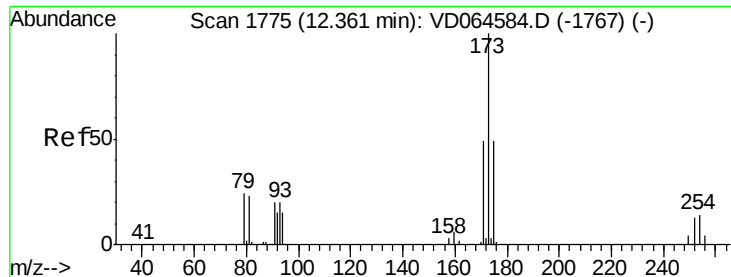
#70
Styrene
Concen: 51.183 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion:104 Resp: 518962
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.6 44.6 67.0



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: 47.461 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

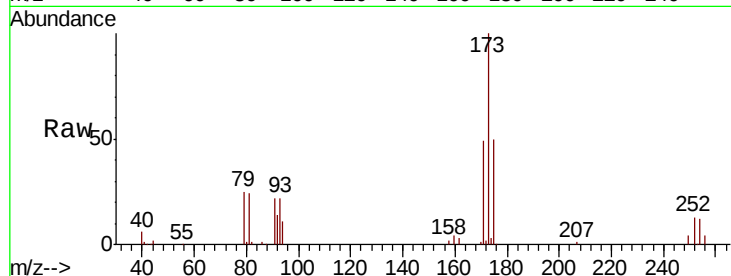
Tot Ion:173 Resp: 93142

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.8

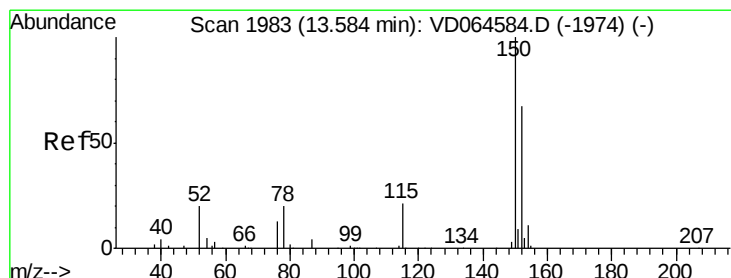
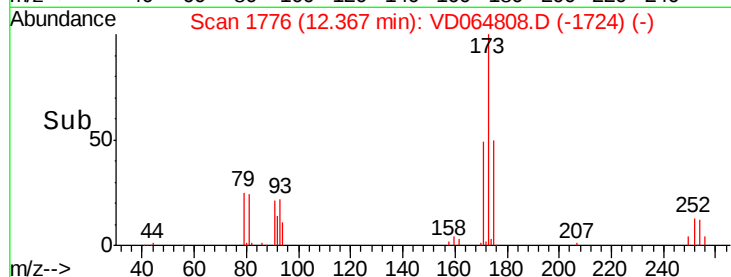
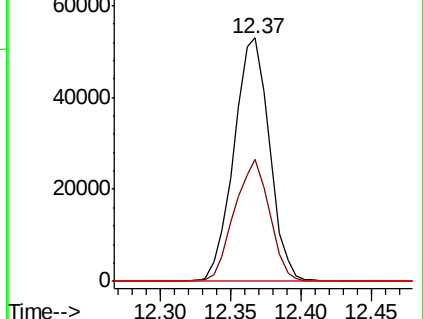
254 0.0 0.1 0.1#



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# 1982

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

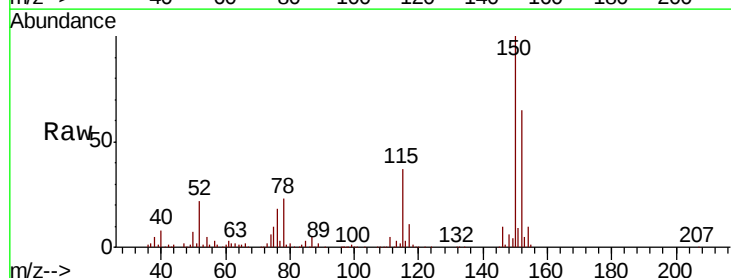
Tgt Ion:152 Resp: 220656

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

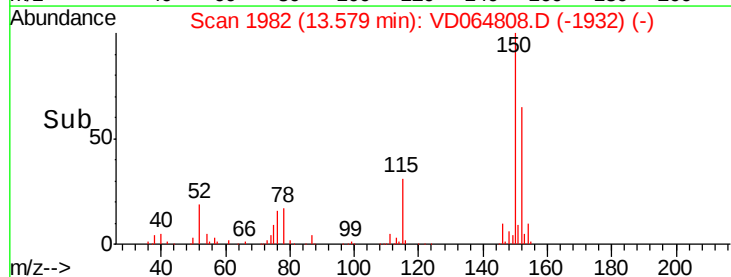
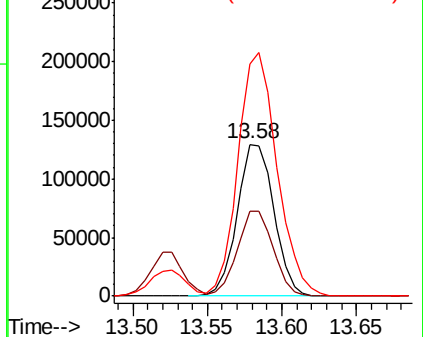
150 171.3 0.0 351.4

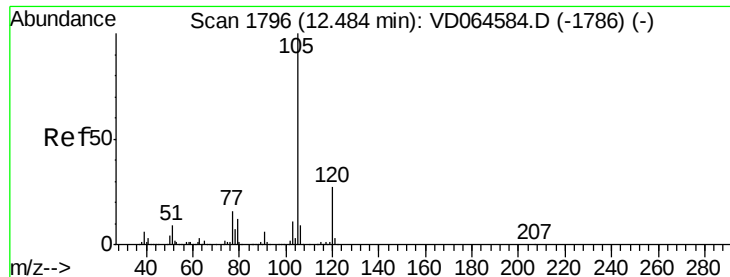


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.707 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

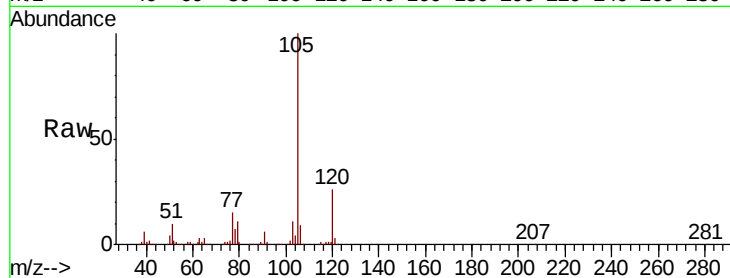
ClientSampled :

Tot Ion: 105 Resp: 799578

Ion Ratio Lower Upper

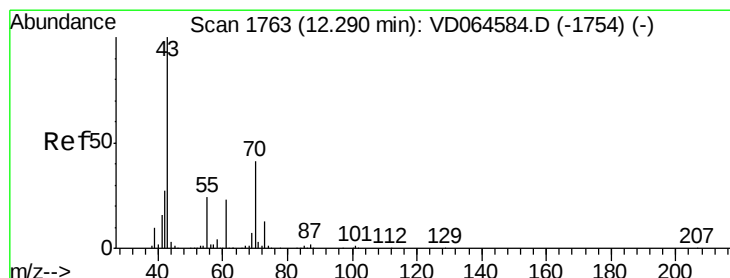
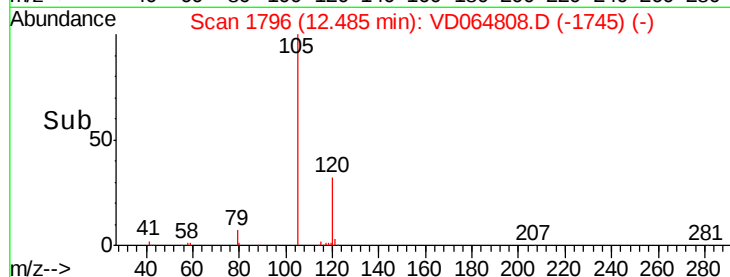
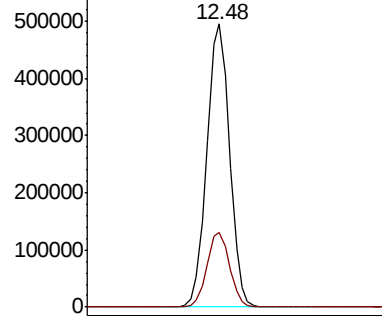
105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.652 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion: 43 Resp: 153880

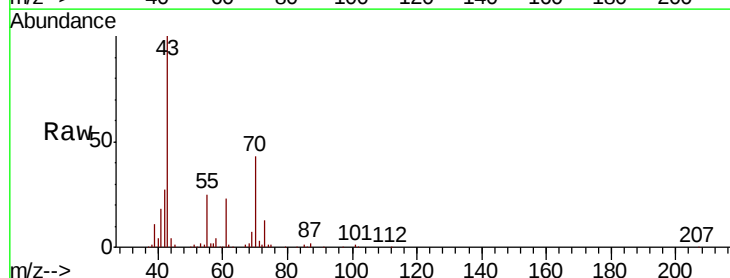
Ion Ratio Lower Upper

43 100

70 44.6 33.4 50.0

55 25.9 19.4 29.0

61 23.2 18.3 27.5

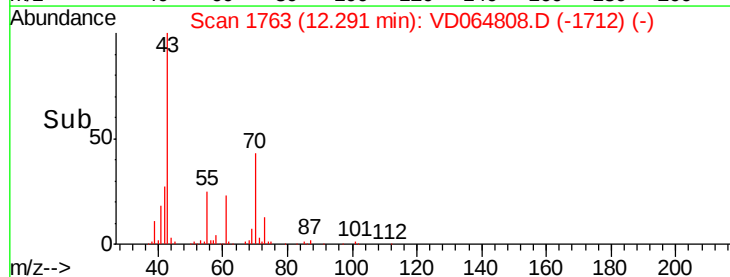
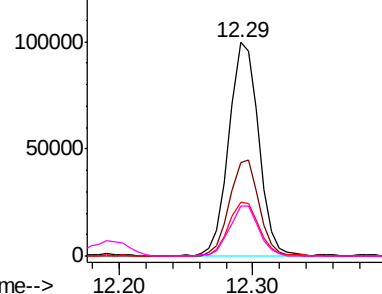


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.547 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

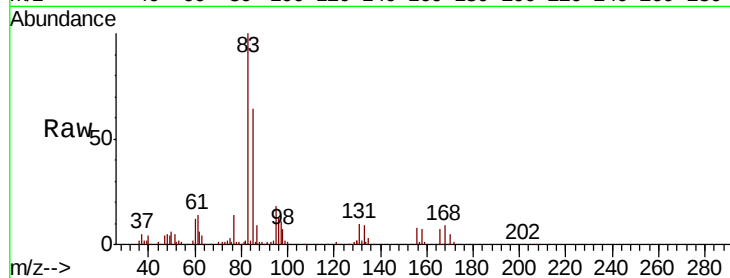
Tot Ion: 83 Resp: 117779

Ion Ratio Lower Upper

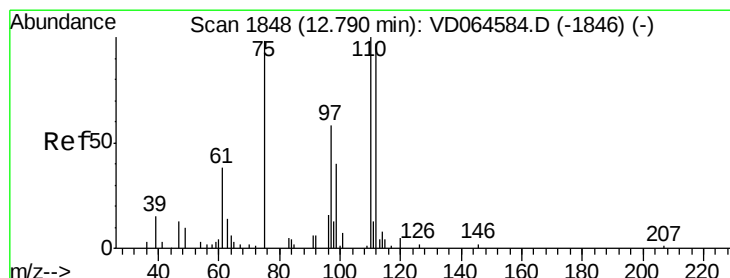
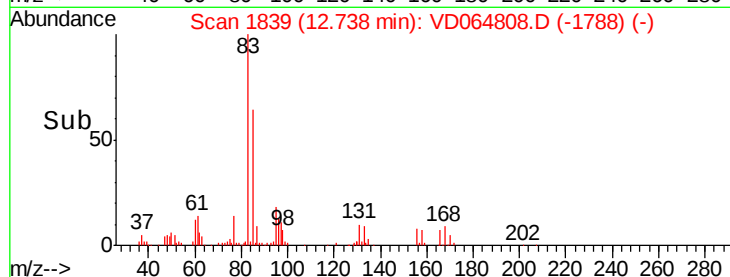
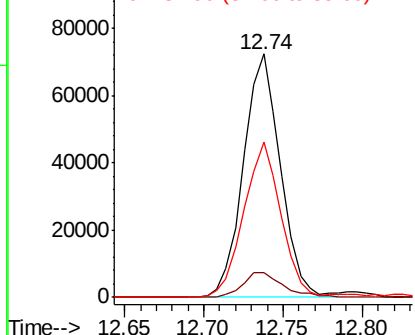
83 100

131 11.1 5.8 17.4

85 64.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.212 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064808.D

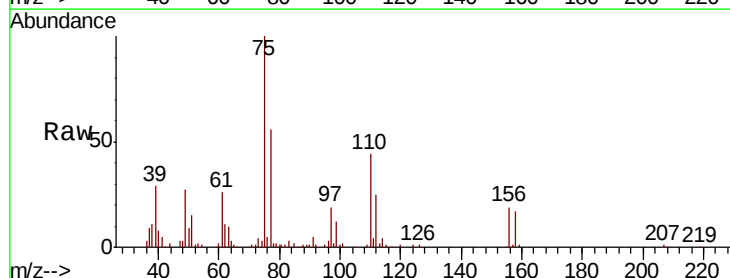
Acq: 09 Jan 2020 10:25

Tgt Ion: 75 Resp: 160674

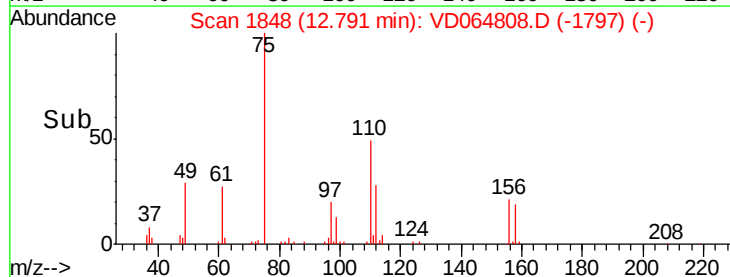
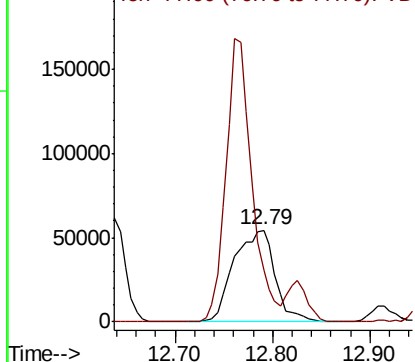
Ion Ratio Lower Upper

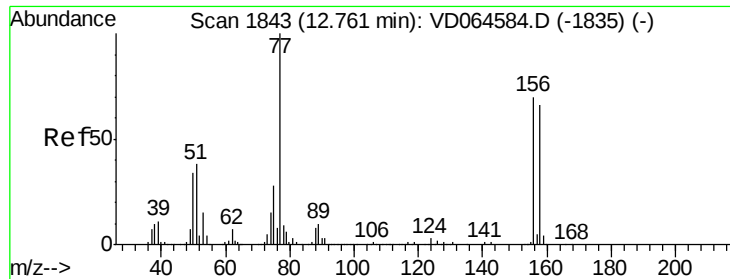
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

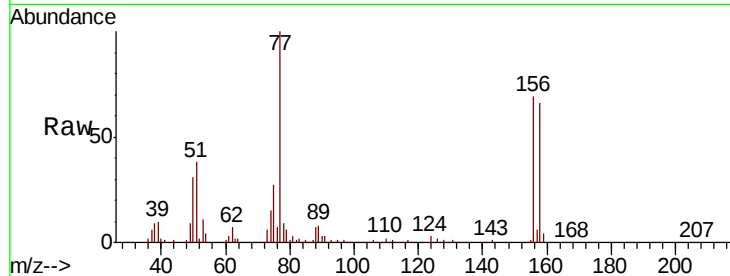




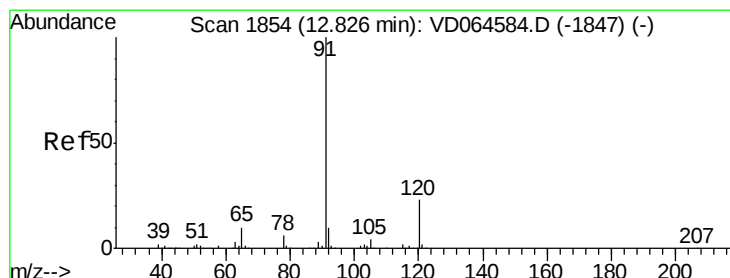
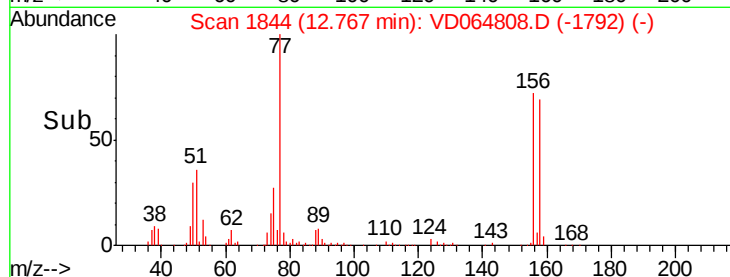
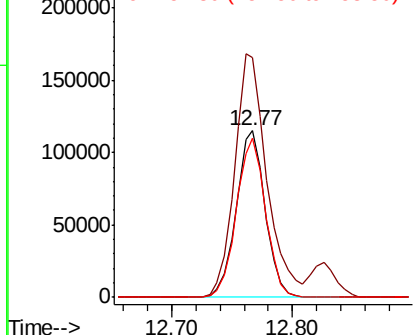
#77
Bromobenzene
Concen: 49.261 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 190864
Ion Ratio Lower Upper
156 100
77 163.6 80.9 242.7
158 96.4 48.0 144.2

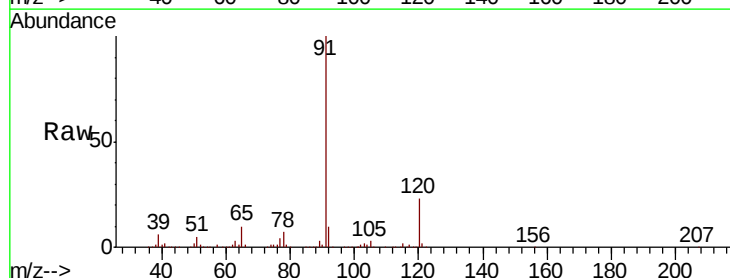


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

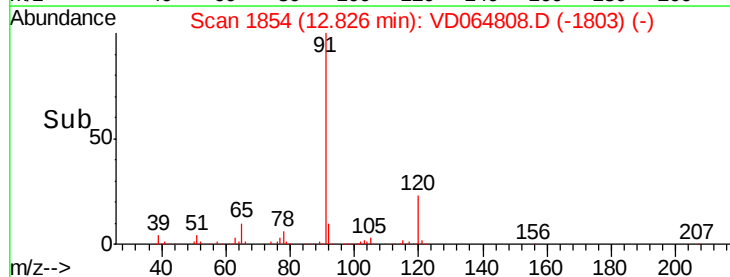
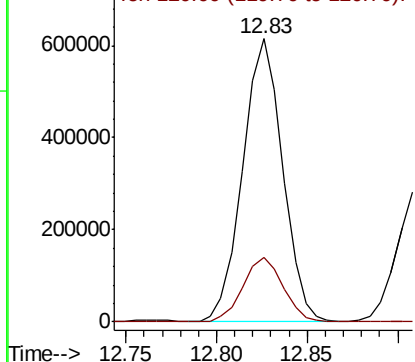


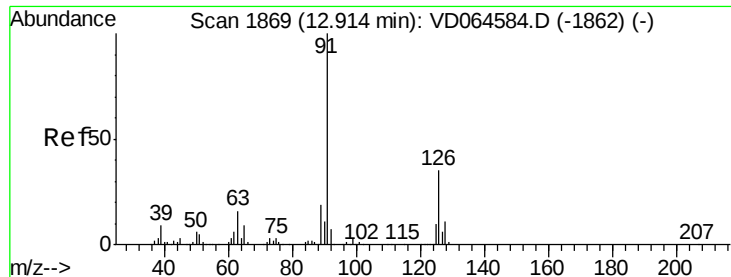
#78
n-propylbenzene
Concen: 50.993 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 91 Resp: 938075
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V

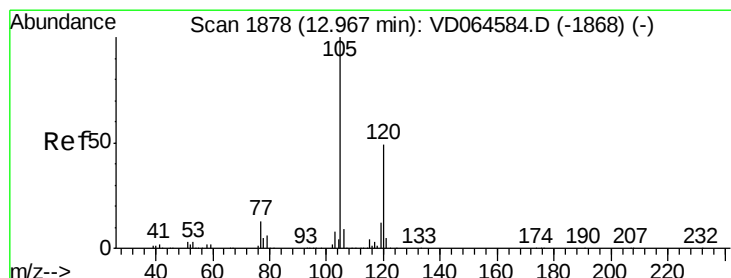
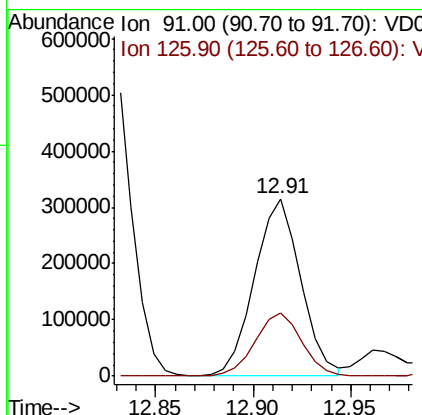
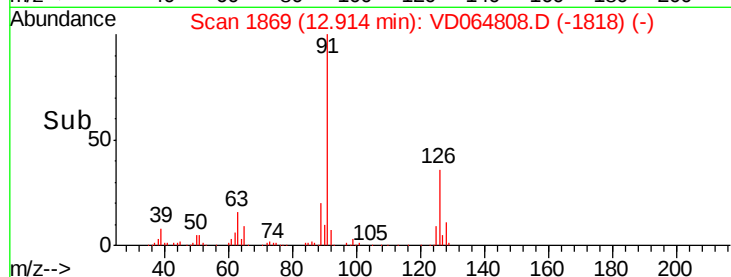
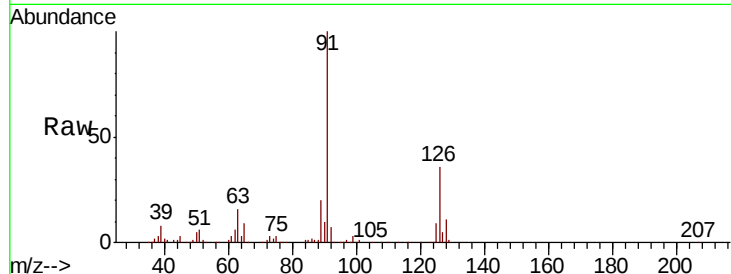




#79
2-Chlorotoluene
Concen: 50.977 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

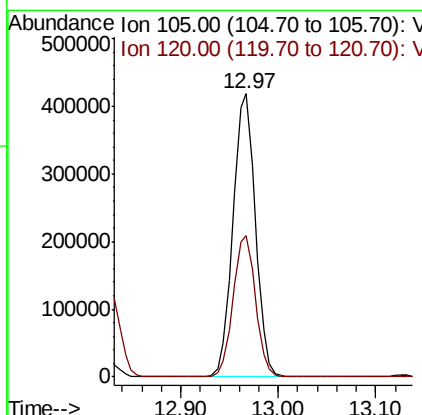
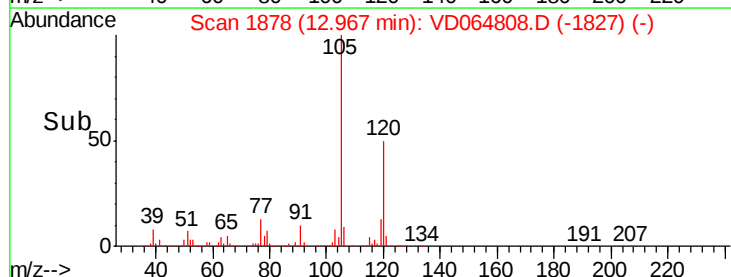
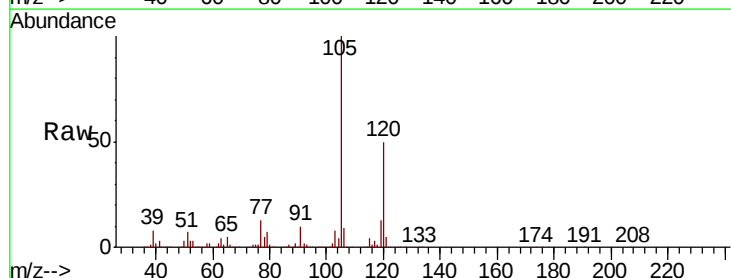
Instrument :
MSVOA_D
ClientSampleID :

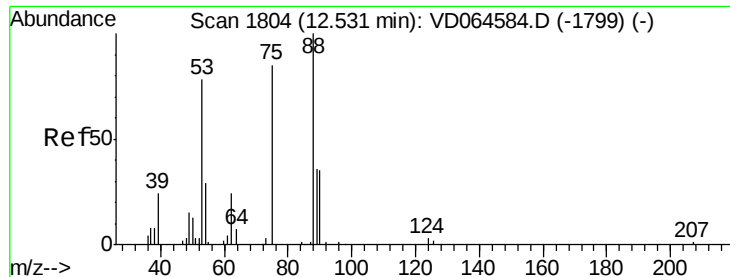
Tot Ion: 91 Resp: 515152
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 51.325 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 105 Resp: 664817
Ion Ratio Lower Upper
105 100
120 49.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.811 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

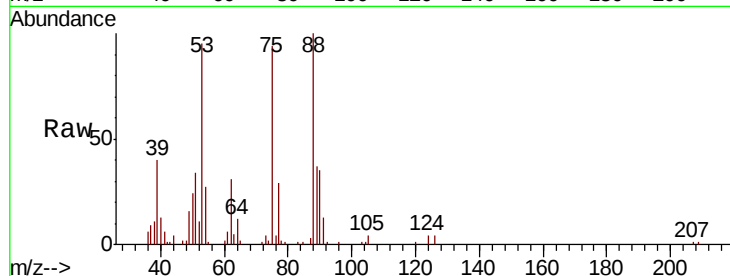
Tot Ion: 75 Resp: 39832

Ion Ratio Lower Upper

75 100

53 101.5 78.8 118.2

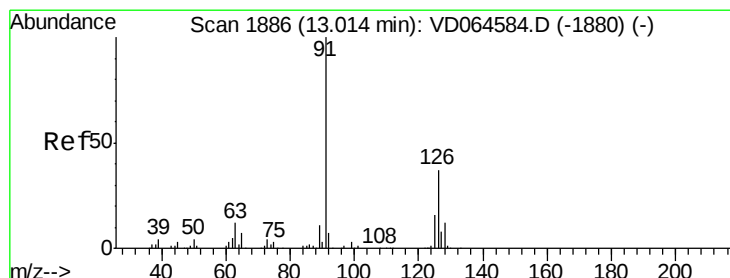
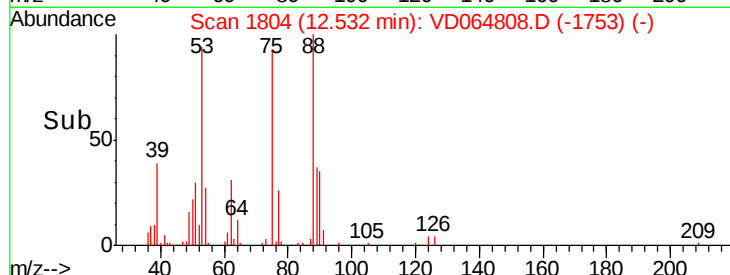
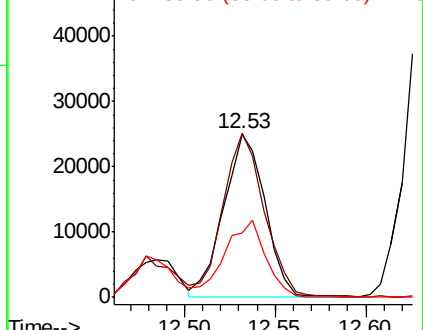
89 46.6 38.3 57.5



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: 50.379 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064808.D

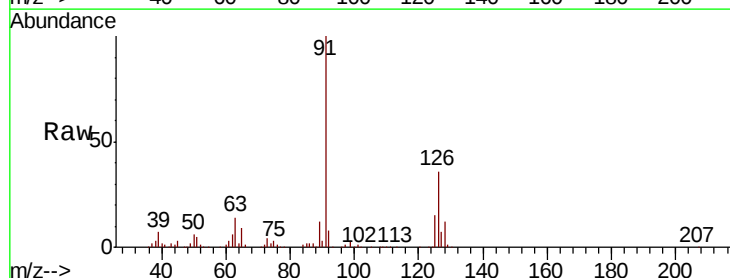
Acq: 09 Jan 2020 10:25

Tgt Ion: 91 Resp: 541797

Ion Ratio Lower Upper

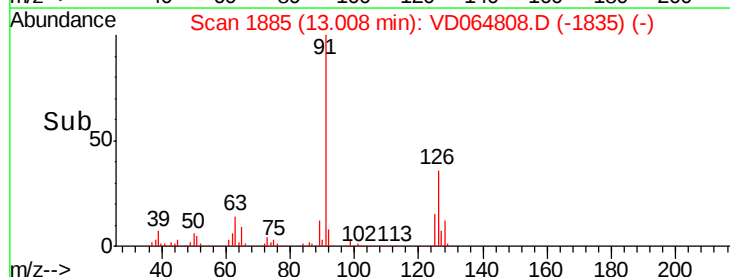
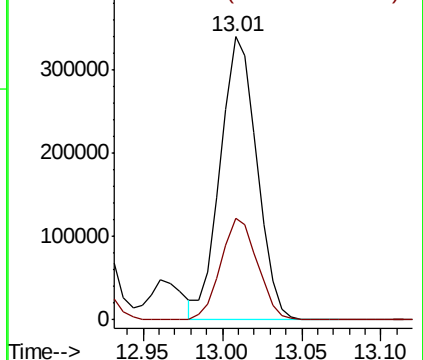
91 100

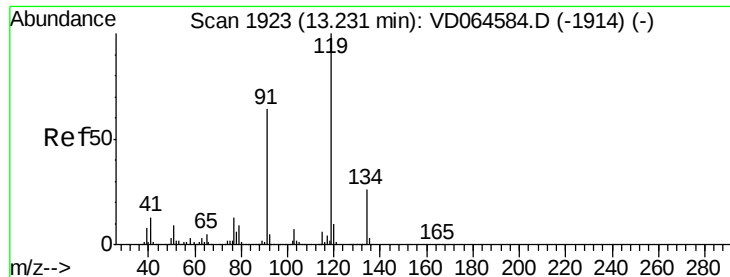
126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

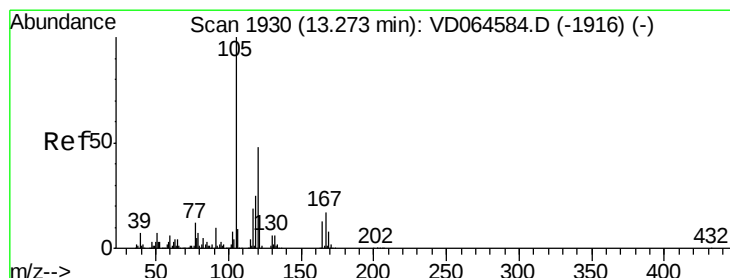
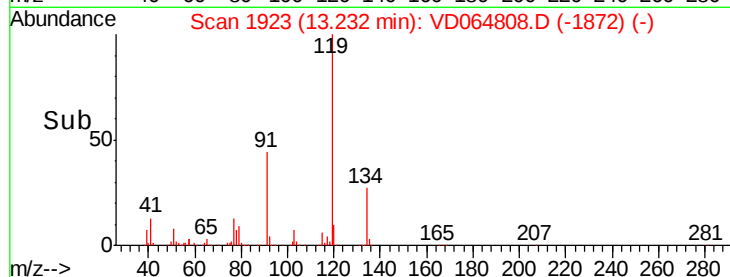
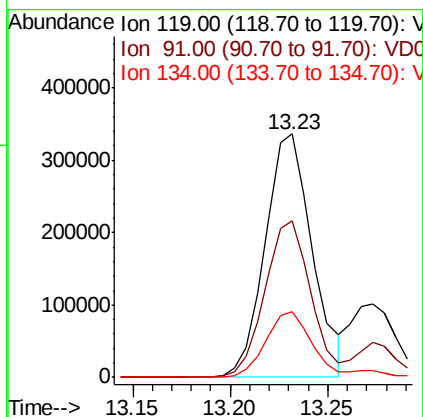
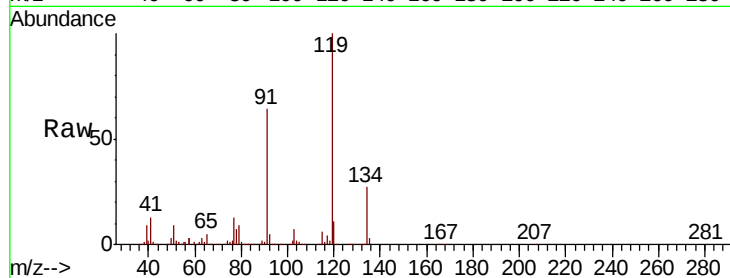




#83
 tert-Butylbenzene
 Concen: 50.080 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

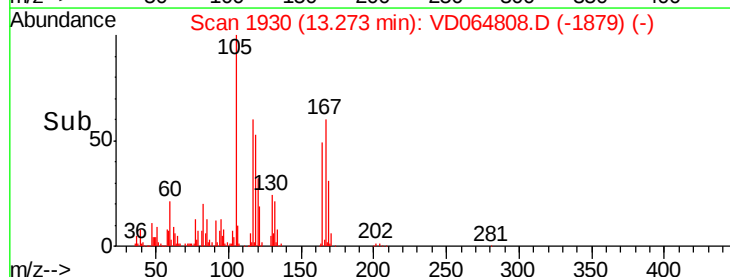
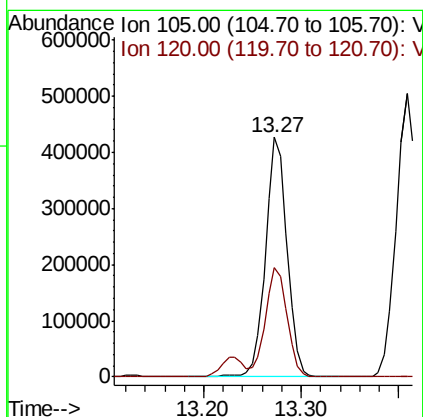
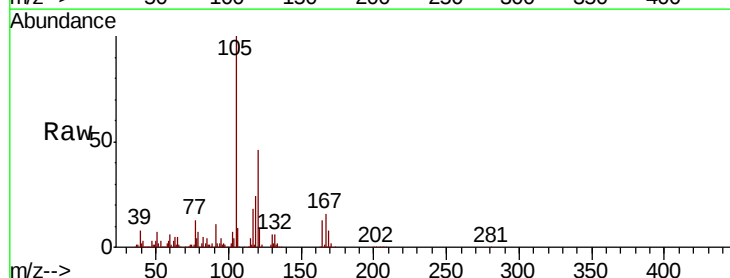
Instrument :
 MSVOA_D
 ClientSampled :

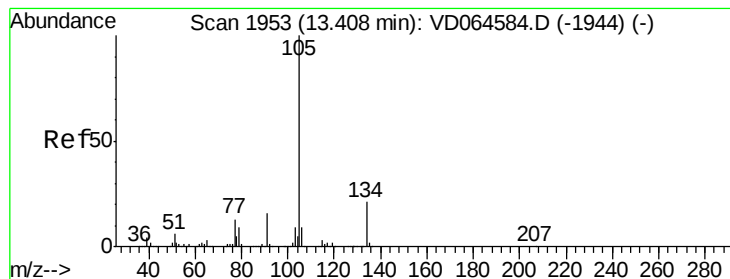
Tot Ion:119 Resp: 563231
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.8 92.4
 134 26.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.186 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion:105 Resp: 660318
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.8 71.2





#85

sec-Butylbenzene

Concen: 50.133 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

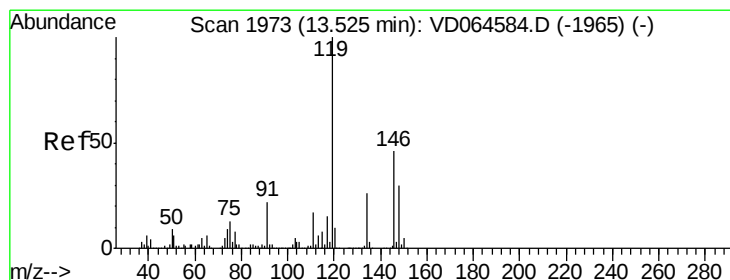
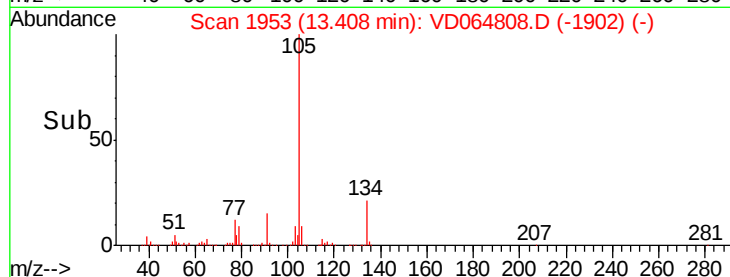
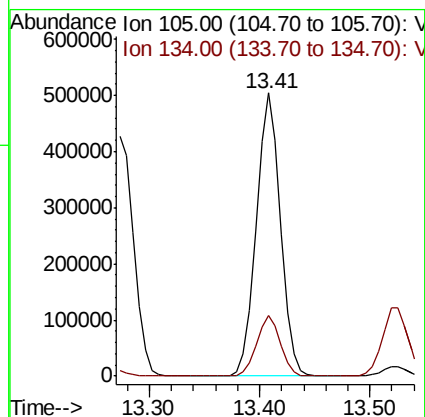
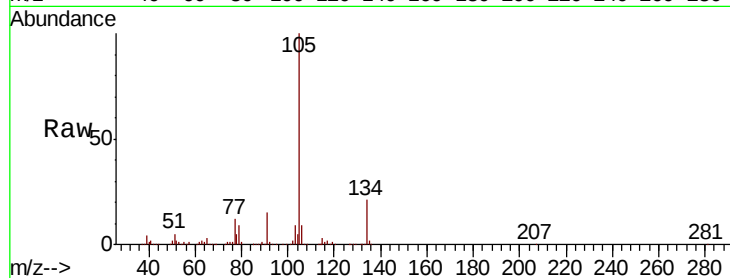
ClientSampled :

Tot Ion:105 Resp: 772968

Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8



#86

p-Isopropyltoluene

Concen: 50.162 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

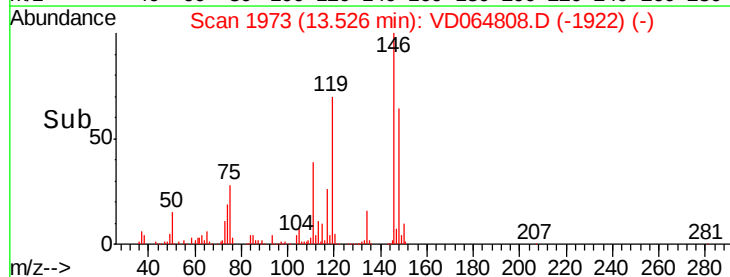
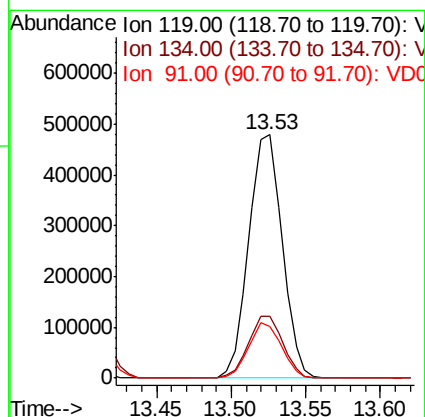
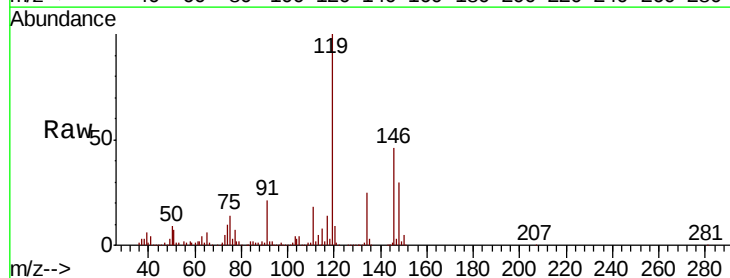
Tgt Ion:119 Resp: 739538

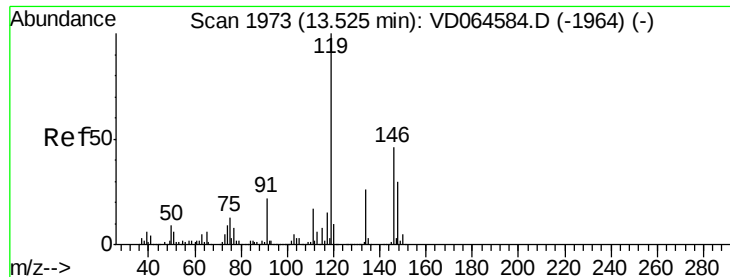
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 22.3 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.496 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

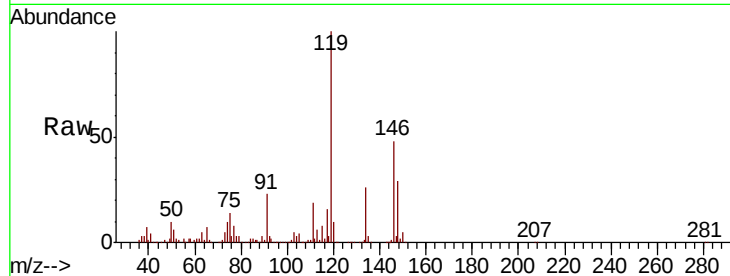
Tot Ion:146 Resp: 372975

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

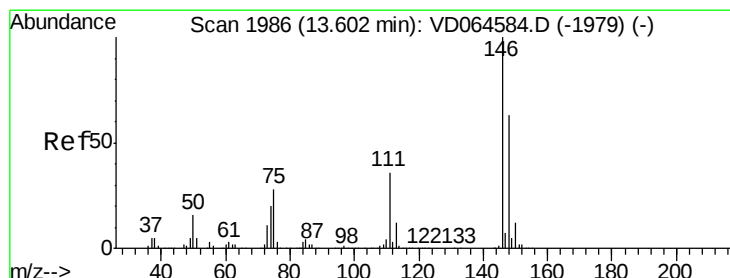
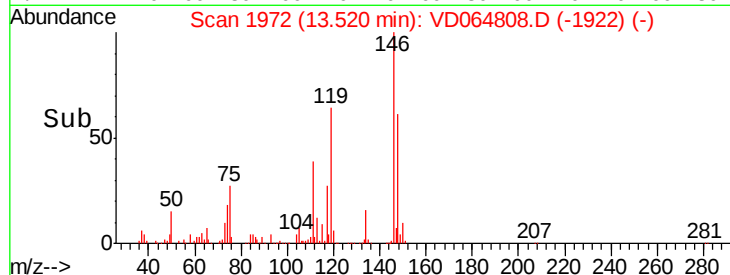
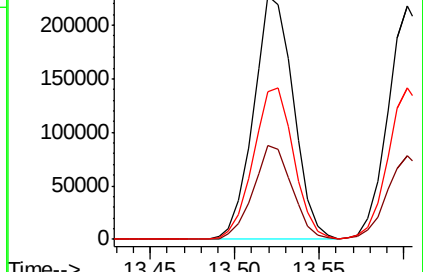
148 63.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.461 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

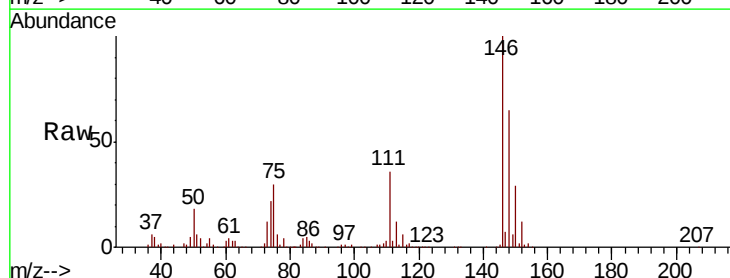
Tgt Ion:146 Resp: 358892

Ion Ratio Lower Upper

146 100

111 35.7 18.1 54.1

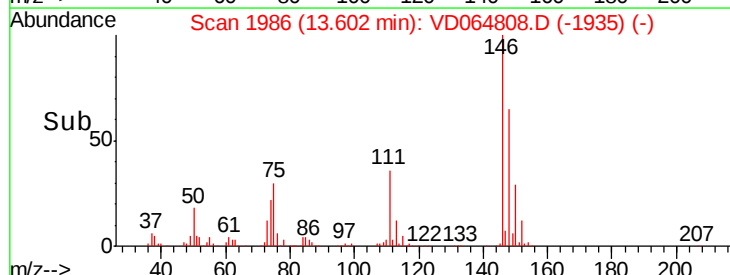
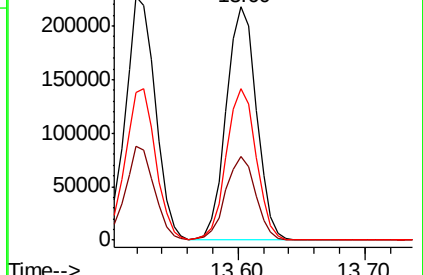
148 63.9 32.3 96.9

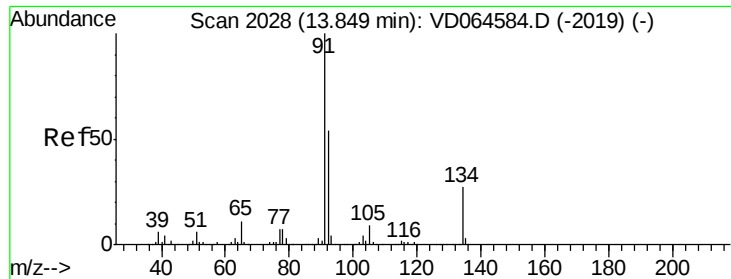


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

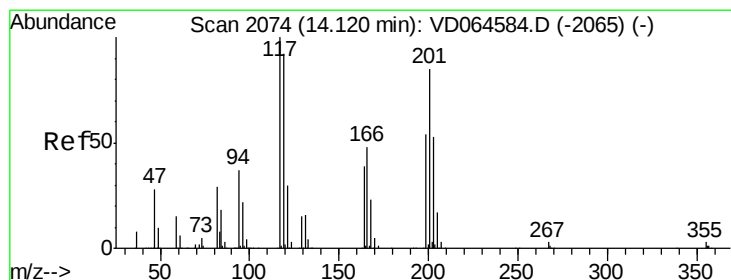
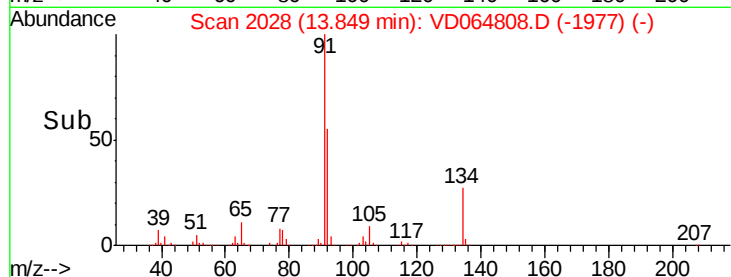
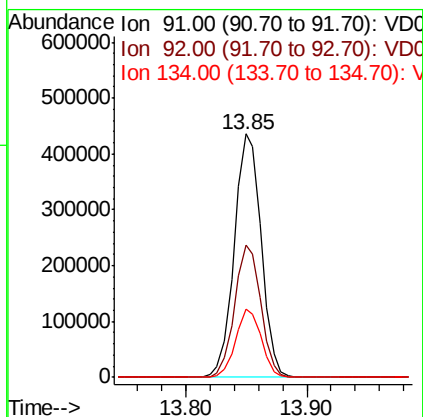
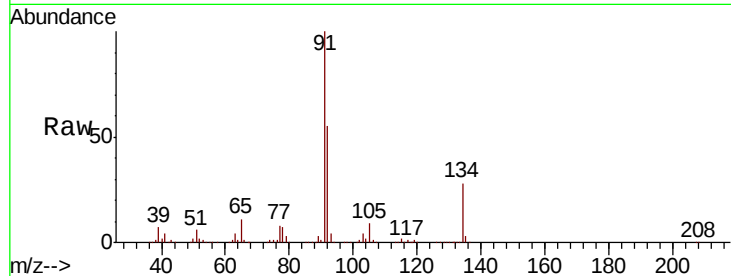




#89
n-Butylbenzene
Concen: 50.857 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

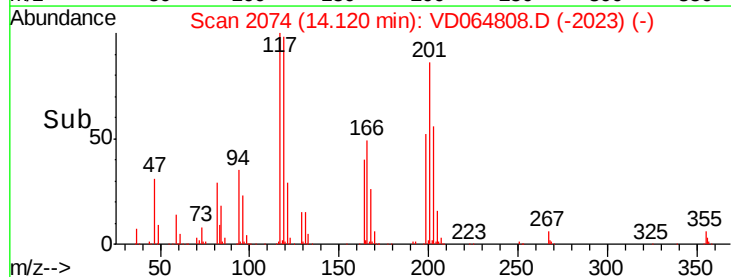
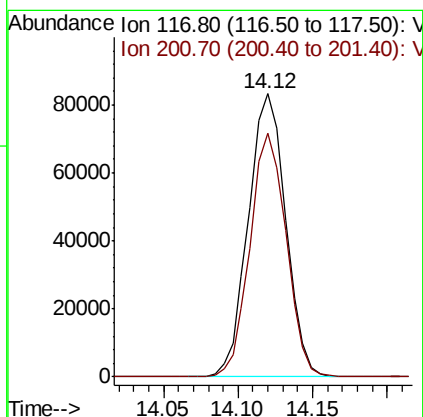
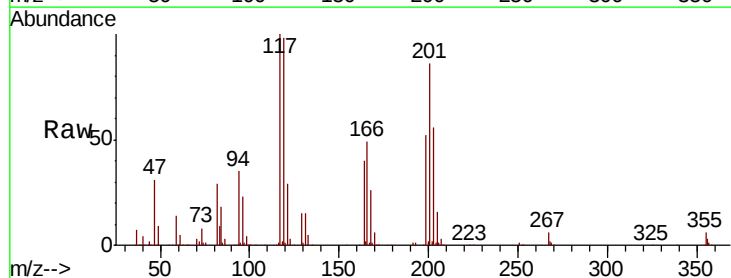
Instrument :
MSVOA_D
ClientSampled :

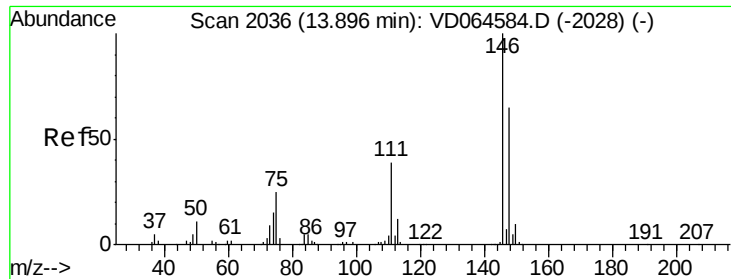
Tot Ion: 91 Resp: 675206
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.4
134 26.8 14.0 41.9



#90
Hexachloroethane
Concen: 51.259 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 117 Resp: 144356
Ion Ratio Lower Upper
117 100
201 83.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 49.248 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampled :

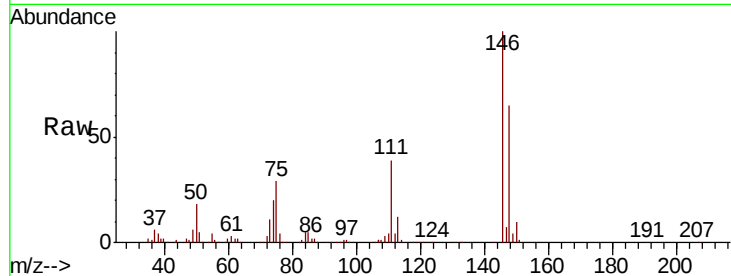
Tot Ion:146 Resp: 310178

Ion Ratio Lower Upper

146 100

111 38.8 19.3 57.9

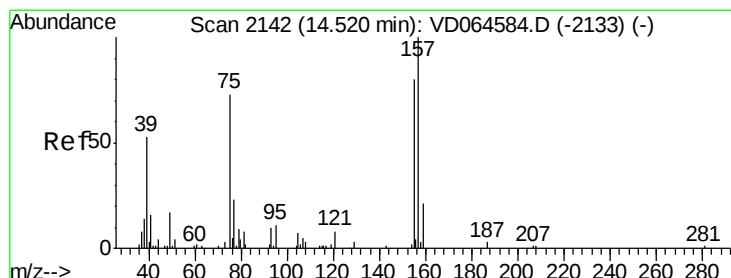
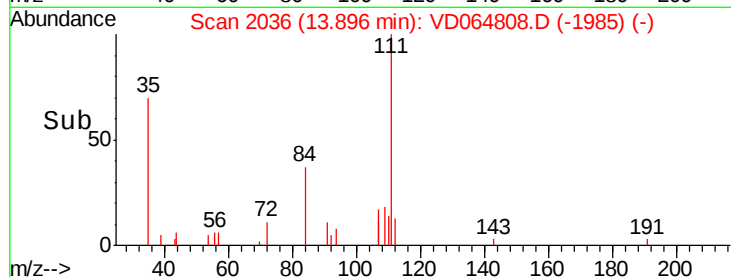
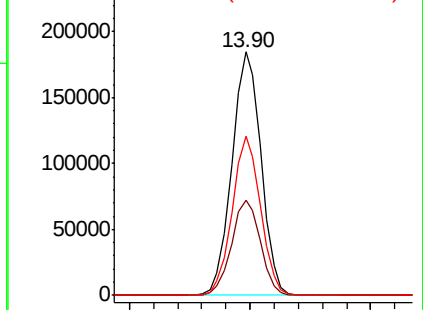
148 63.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.286 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

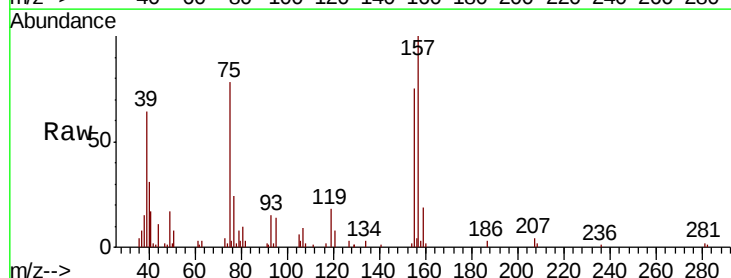
Tgt Ion: 75 Resp: 18587

Ion Ratio Lower Upper

75 100

155 88.5 48.0 144.0

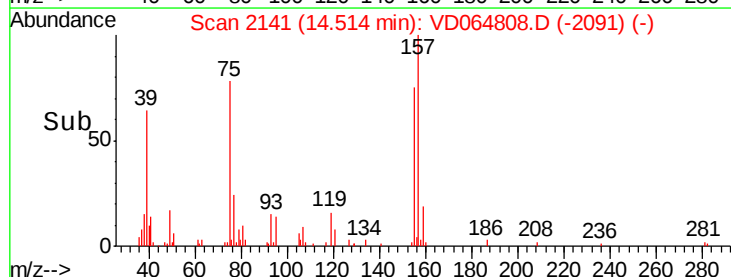
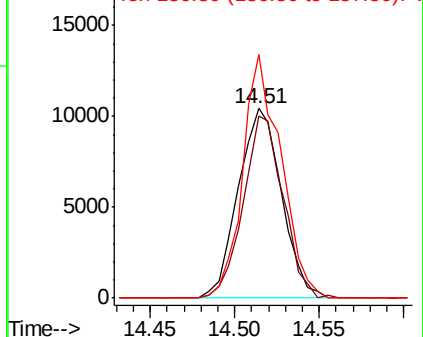
157 113.0 64.1 192.3

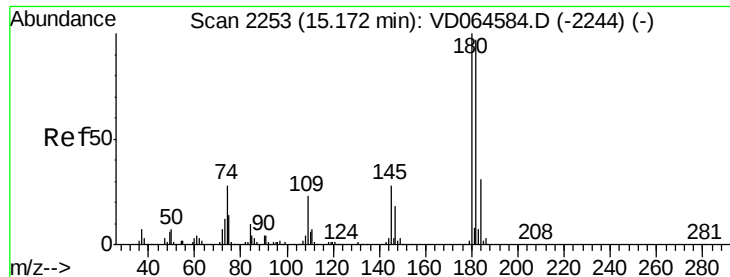


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

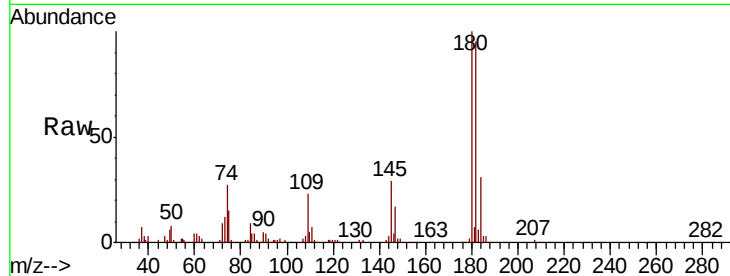




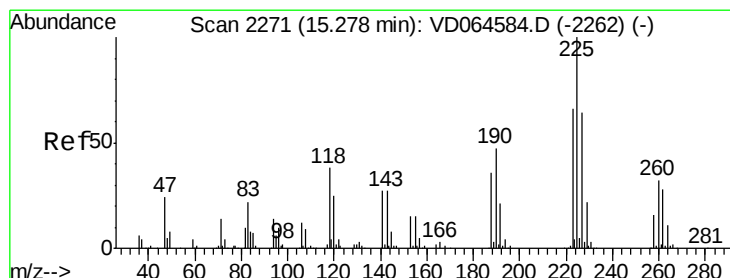
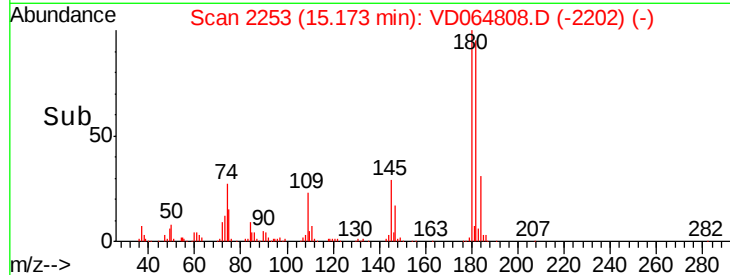
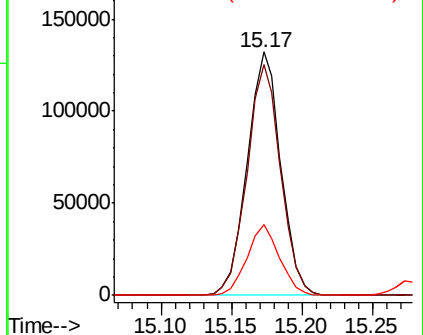
#93
 1,2,4-Trichlorobenzene
 Concen: 47.506 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 220310
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 28.3 13.8 41.4

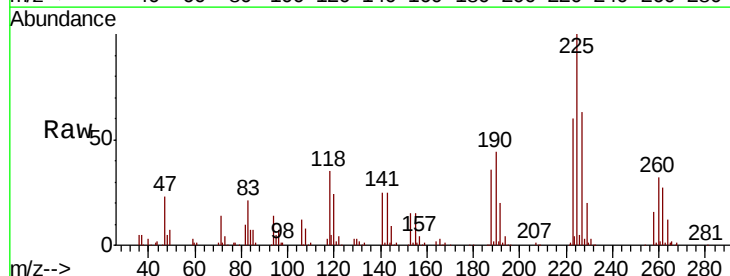


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

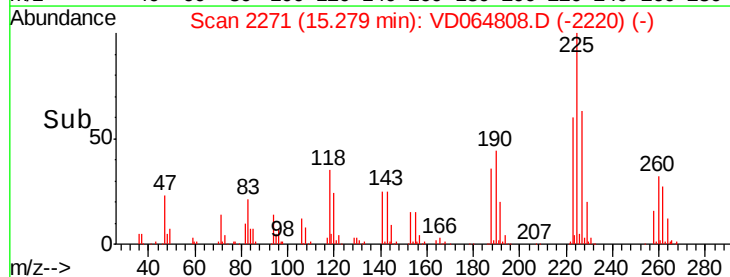
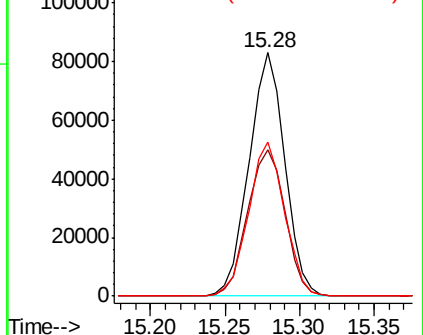


#94
 Hexachlorobutadiene
 Concen: 47.162 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion:225 Resp: 137629
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 63.3 30.9 92.7



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

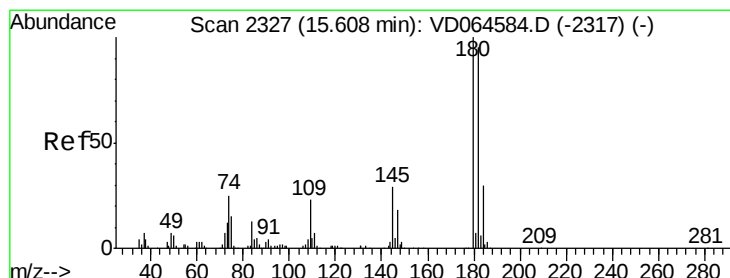
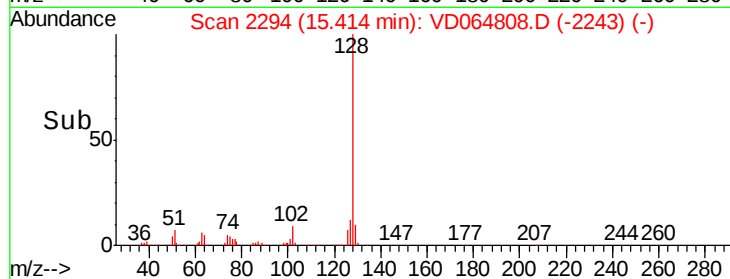
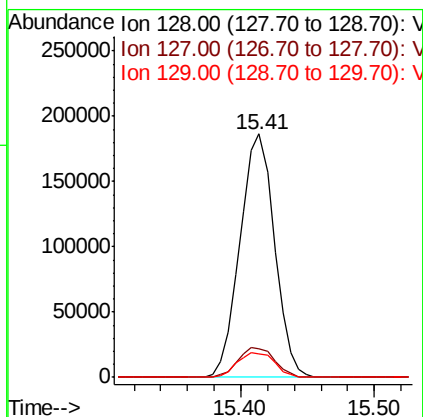
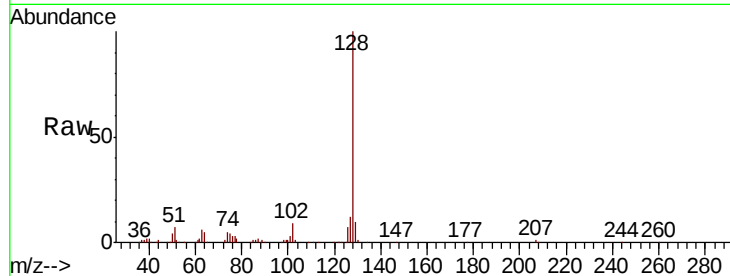




#95
Naphthalene
Concen: 45.496 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 333787
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.080 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion:180 Resp: 186393
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.7
145 30.2 14.9 44.7

