

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064786.D
 Acq On : 06 Jan 2020 21:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:38:58 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	351323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	529840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	481021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	179562	57.96	ug/l	0.00
Spiked Amount						
			Recovery	=	115.92%	
35) Dibromofluoromethane	7.92	113	173206	53.28	ug/l	0.00
Spiked Amount						
			Recovery	=	106.56%	
50) Toluene-d8	10.34	98	662691	53.23	ug/l	0.00
Spiked Amount						
			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.64	95	209730	53.28	ug/l	0.00
Spiked Amount						
			Recovery	=	106.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	122796	44.975	ug/l	98
3) Chloromethane	2.21	50	186116	48.741	ug/l	99
4) Vinyl Chloride	2.35	62	223925	48.096	ug/l	98
5) Bromomethane	2.77	94	156022	46.089	ug/l	98
6) Chloroethane	2.92	64	154642	49.571	ug/l	99
7) Trichlorofluoromethane	3.27	101	378108	48.233	ug/l	96
8) Diethyl Ether	3.70	74	80818	51.916	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	158017	48.672	ug/l	98
10) Methyl Iodide	4.29	142	171242	49.104	ug/l	100
11) Tert butyl alcohol	5.26	59	52239	294.232	ug/l	96
12) 1,1-Dichloroethene	4.06	96	147318	47.662	ug/l	96
13) Acrolein	3.93	56	80634	325.881	ug/l	100
14) Allyl chloride	4.71	41	250367	51.953	ug/l	100
15) Acrylonitrile	5.43	53	182958	282.160	ug/l	99
16) Acetone	4.17	43	166519	255.942	ug/l	96
17) Carbon Disulfide	4.40	76	450469	45.073	ug/l	100
18) Methyl Acetate	4.72	43	96752	55.474	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	380242	55.386	ug/l	95
20) Methylene Chloride	4.96	84	180395	57.688	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	175334	49.810	ug/l	99
22) Diisopropyl ether	6.37	45	526767	54.803	ug/l	97
23) Vinyl Acetate	6.31	43	1530867	280.761	ug/l	98
24) 1,1-Dichloroethane	6.27	63	306574	53.128	ug/l	98
25) 2-Butanone	7.23	43	236925	278.229	ug/l	97
26) 2,2-Dichloropropane	7.21	77	266563	49.685	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	200990	52.907	ug/l	99
28) Bromochloromethane	7.55	49	134941	60.157	ug/l	99
29) Tetrahydrofuran	7.57	42	150440	284.087	ug/l	98
30) Chloroform	7.71	83	327730	54.133	ug/l	98
31) Cyclohexane	7.98	56	263258	45.576	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	296695	52.176	ug/l	99
36) 1,1-Dichloropropene	8.11	75	244929	48.028	ug/l	100
37) Ethyl Acetate	7.30	43	108197	54.006	ug/l	98
38) Carbon Tetrachloride	8.10	117	270484	49.742	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	284286	46.026	ug/l	92
40) Benzene	8.36	78	708328	50.880	ug/l	99
41) Methacrylonitrile	7.53	41	60535	52.078	ug/l	93
42) 1,2-Dichloroethane	8.43	62	211526	52.579	ug/l	100
43) Isopropyl Acetate	8.46	43	212488	53.287	ug/l	100
44) Trichloroethene	9.11	130	199011	48.661	ug/l	99
45) 1,2-Dichloropropane	9.39	63	173675	52.249	ug/l	97
46) Dibromomethane	9.48	93	95435	51.497	ug/l	96
47) Bromodichloromethane	9.67	83	259287	52.579	ug/l	98
48) Methyl methacrylate	9.46	41	102711	54.703	ug/l	95
49) 1,4-Dioxane	9.47	88	22399	1048.203	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	545393	276.708	ug/l	100
52) Toluene	10.41	92	461749	50.555	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	245751	53.452	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	283255	52.249	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	134316	53.779	ug/l	96
56) Ethyl methacrylate	10.66	69	170172	54.558	ug/l	97
57) 1,3-Dichloropropane	10.95	76	228159	53.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	315436	265.440	ug/l	99
59) 2-Hexanone	10.99	43	375209	280.475	ug/l	99
60) Dibromochloromethane	11.14	129	180591	52.288	ug/l	100
61) 1,2-Dibromoethane	11.25	107	131387	53.336	ug/l	98
64) Tetrachloroethene	10.88	164	173268	46.952	ug/l	95
65) Chlorobenzene	11.67	112	492459	49.327	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	192733	51.209	ug/l	98
67) Ethyl Benzene	11.75	91	885582	48.871	ug/l	97
68) m/p-Xylenes	11.86	106	689074	98.521	ug/l	99
69) o-Xylene	12.18	106	311789	49.353	ug/l	98
70) Styrene	12.20	104	568789	51.293	ug/l	99
71) Bromoform	12.37	173	111510	51.954	ug/l #	98
73) Isopropylbenzene	12.48	105	836456	47.901	ug/l	100
74) N-amyl acetate	12.30	43	191506	51.303	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	142333	51.886	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	188596	97.738	ug/l #	100
77) Bromobenzene	12.77	156	211846	49.373	ug/l	99
78) n-propylbenzene	12.83	91	988313	48.513	ug/l	99
79) 2-Chlorotoluene	12.91	91	550298	49.173	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	696459	48.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	48187	52.229	ug/l	97
82) 4-Chlorotoluene	13.01	91	583845	49.023	ug/l	100
83) tert-Butylbenzene	13.23	119	591069	47.458	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	703279	49.228	ug/l	98
85) sec-Butylbenzene	13.41	105	824402	48.282	ug/l	99
86) p-Isopropyltoluene	13.53	119	776860	47.583	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	398686	48.741	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	391230	48.688	ug/l	99
89) n-Butylbenzene	13.85	91	702601	47.787	ug/l	99
90) Hexachloroethane	14.12	117	150365	48.214	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	340306	48.791	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22776	51.217	ug/l	94

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

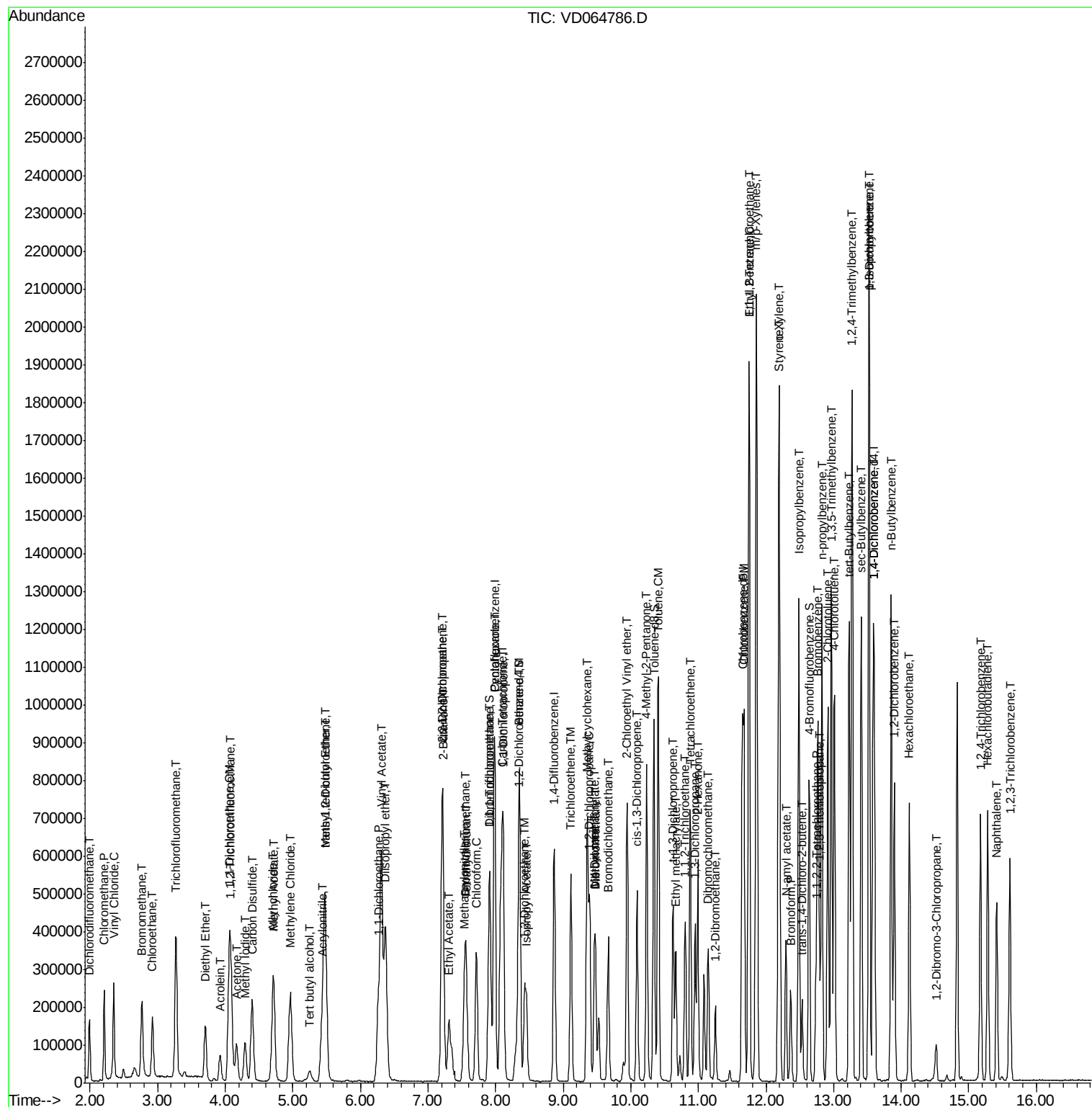
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	246823	48.061	ug/l	98
94) Hexachlorobutadiene	15.28	225	144990	44.865	ug/l	98
95) Naphthalene	15.41	128	410608	50.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	210048	47.909	ug/l	99

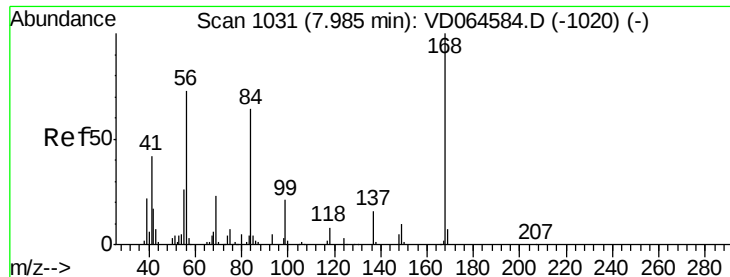
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

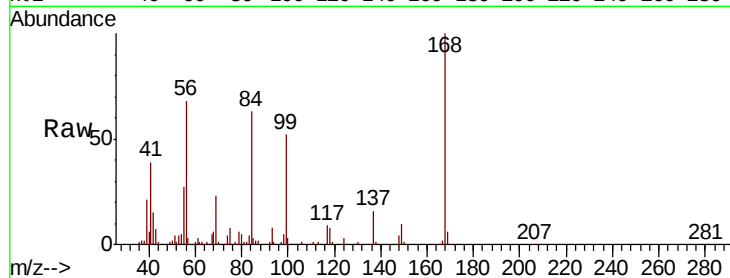
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 351323

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

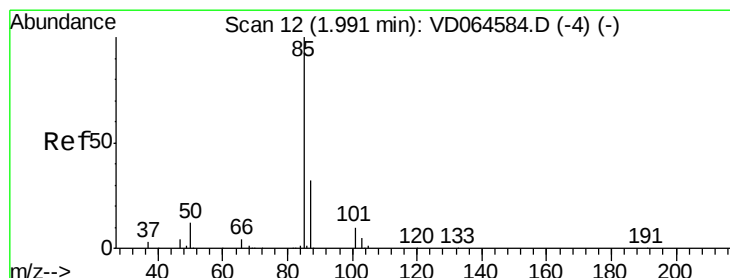
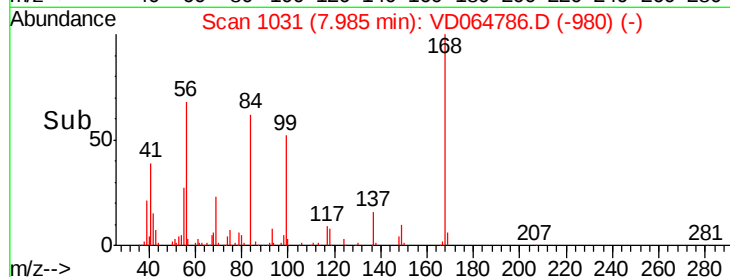
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.975 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064786.D

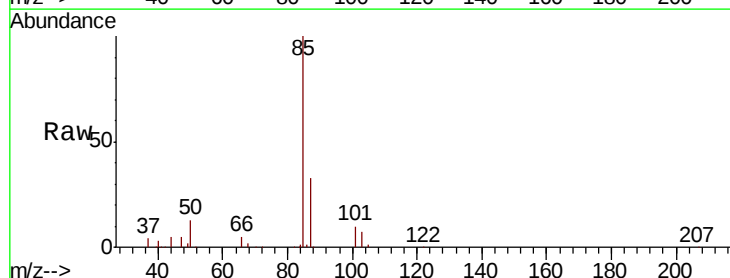
Acq: 06 Jan 2020 21:29

Tgt Ion: 85 Resp: 122796

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

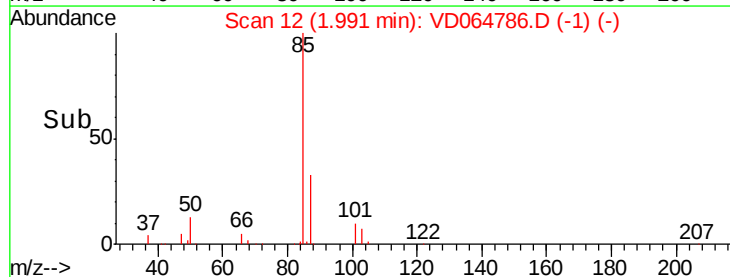
40000

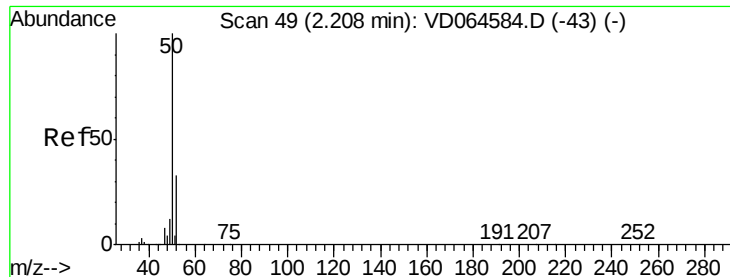
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.741 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

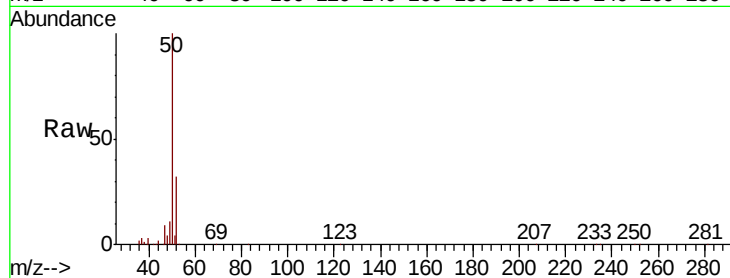
ClientSampleId :

Tot Ion: 50 Resp: 186116

Ion Ratio Lower Upper

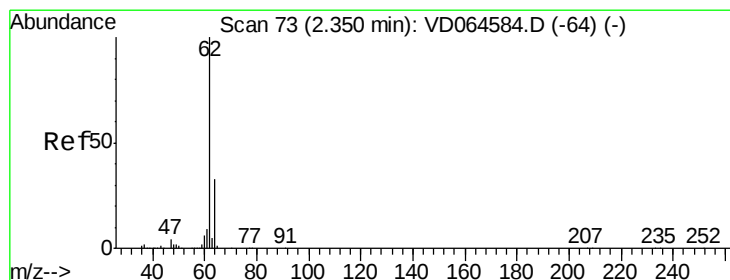
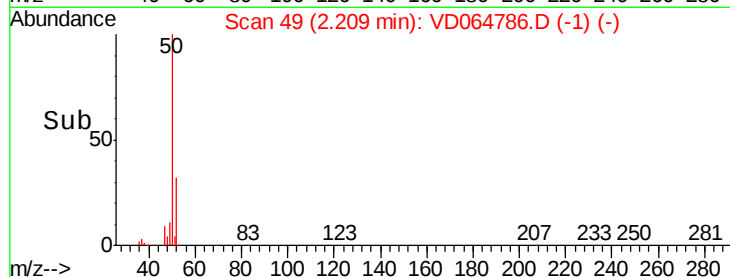
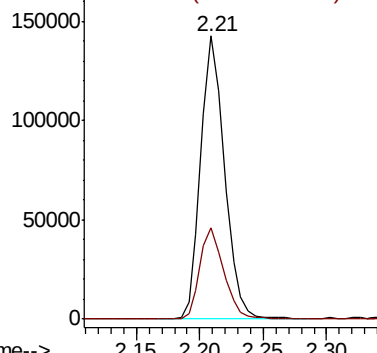
50 100

52 32.4 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: 48.096 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064786.D

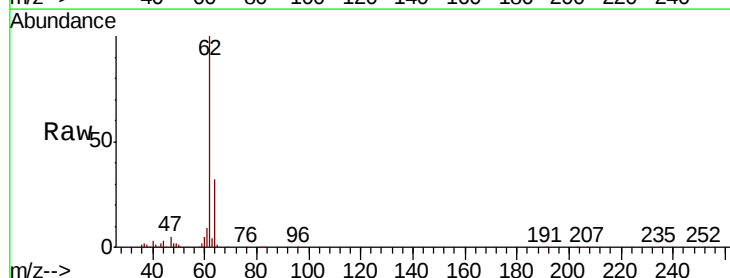
Acq: 06 Jan 2020 21:29

Tgt Ion: 62 Resp: 223925

Ion Ratio Lower Upper

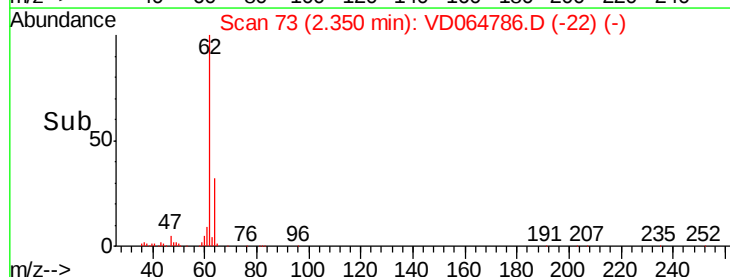
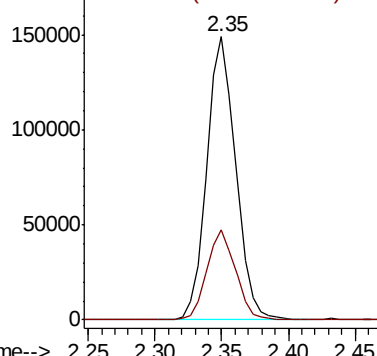
62 100

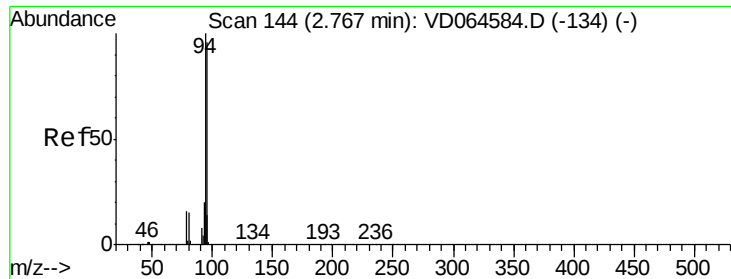
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.089 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

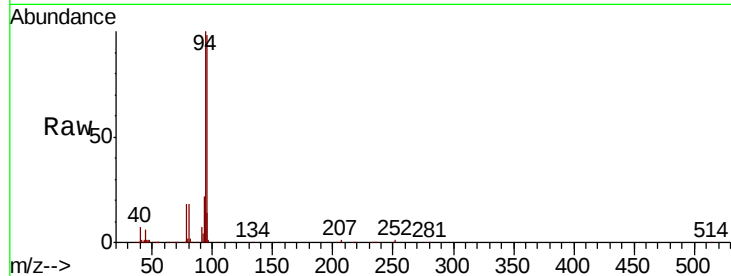
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 156022

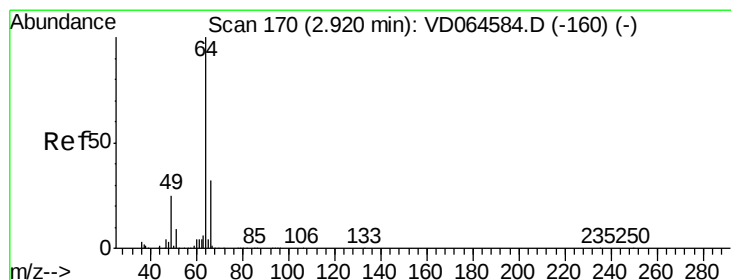
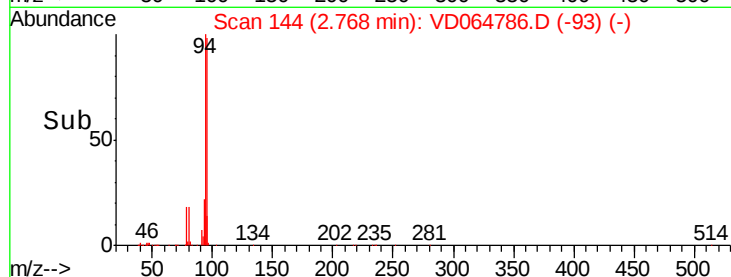
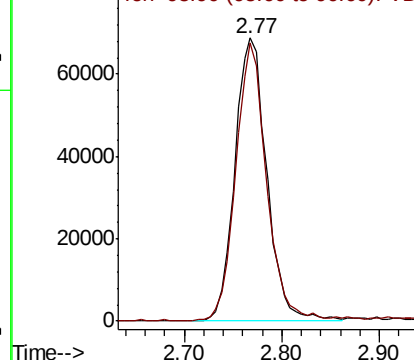
Ion Ratio Lower Upper

94 100

96 98.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.571 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064786.D

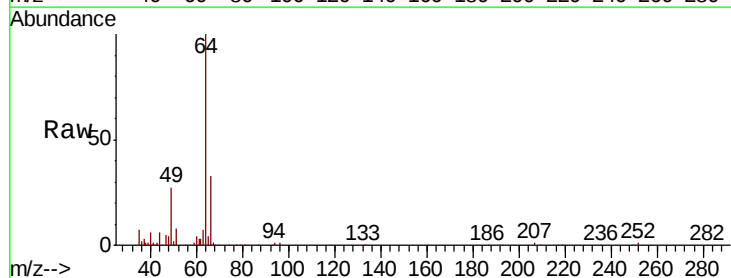
Acq: 06 Jan 2020 21:29

Tgt Ion: 64 Resp: 154642

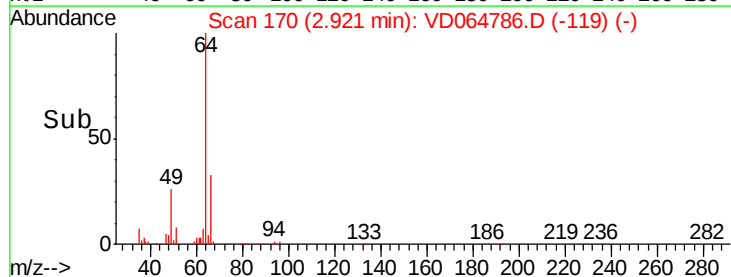
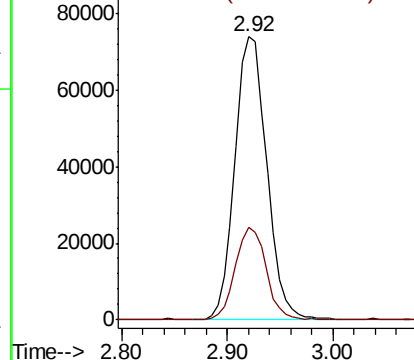
Ion Ratio Lower Upper

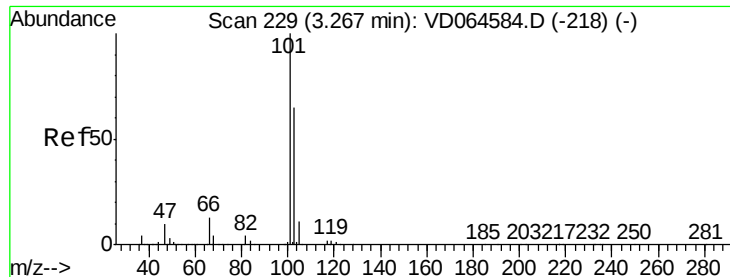
64 100

66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



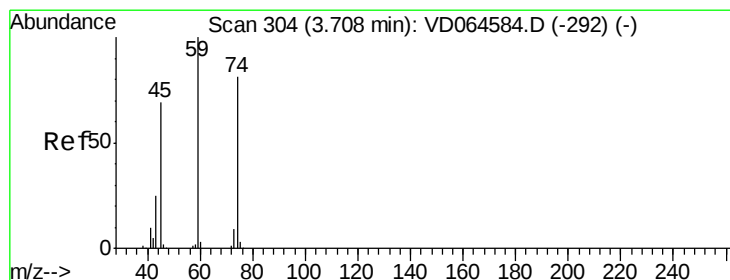
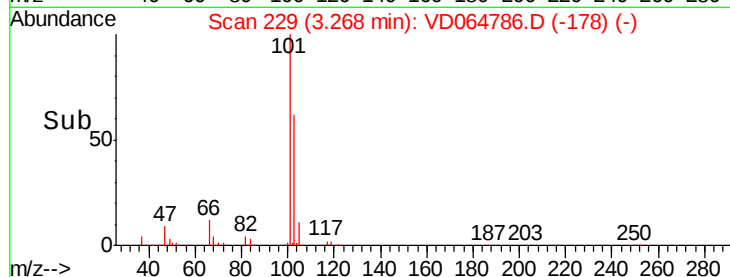
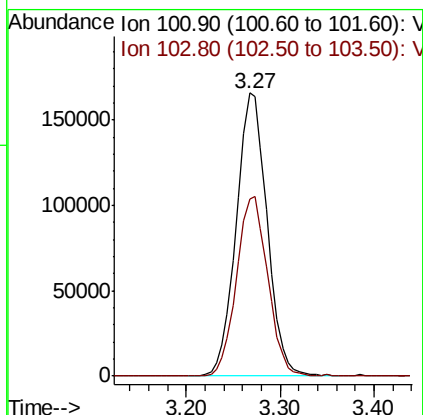
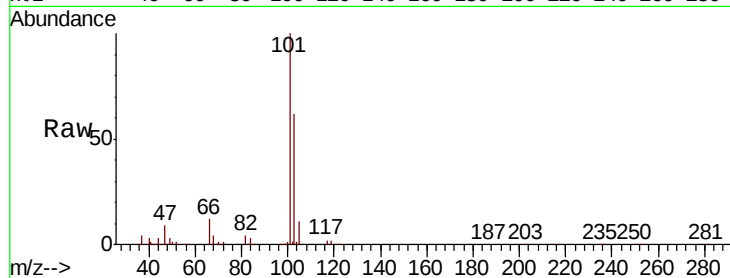


#7

Trichlorofluoromethane
Concen: 48.233 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampled :

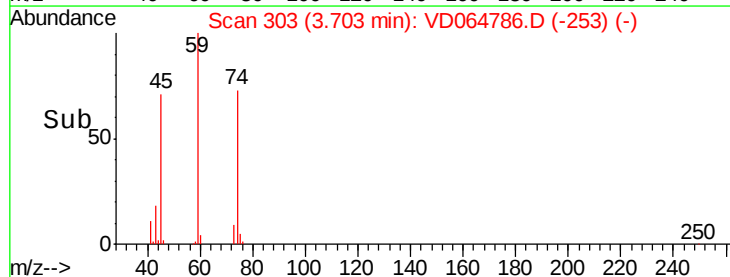
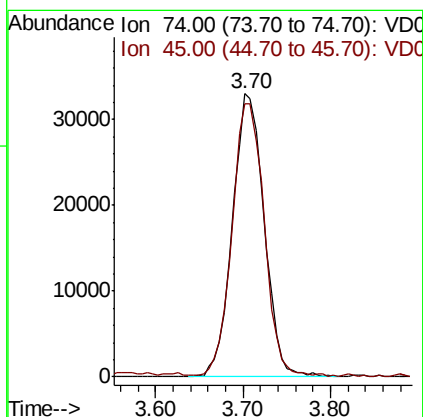
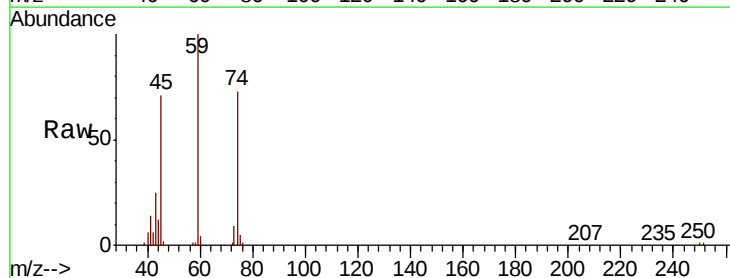
Tot Ion:101 Resp: 378108
Ion Ratio Lower Upper
101 100
103 62.4 52.2 78.4



#8

Diethyl Ether
Concen: 51.916 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 74 Resp: 80818
Ion Ratio Lower Upper
74 100
45 98.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.672 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

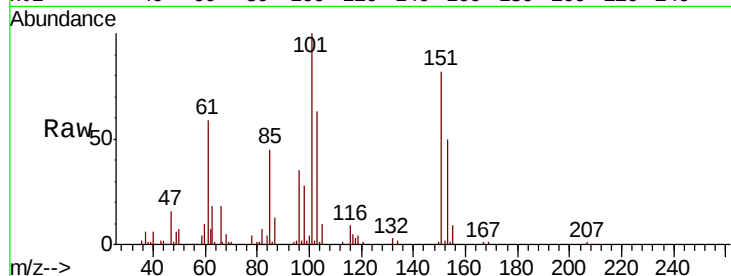
Tot Ion:101 Resp: 158017

Ion Ratio Lower Upper

101 100

85 45.5 35.2 52.8

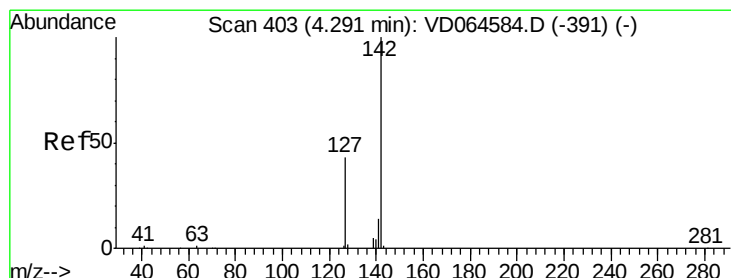
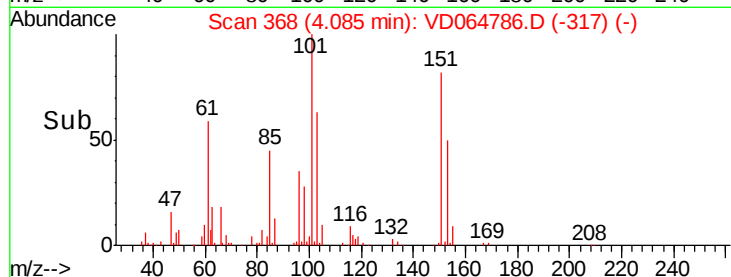
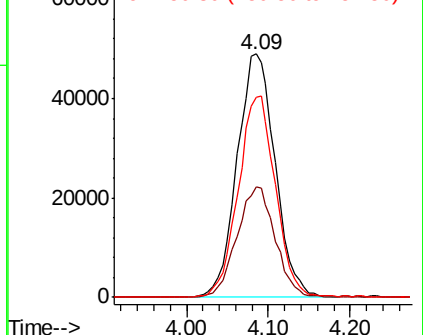
151 81.1 66.2 99.4



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: 49.104 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

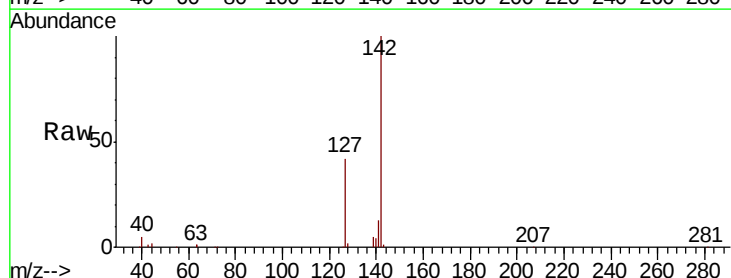
Tgt Ion:142 Resp: 171242

Ion Ratio Lower Upper

142 100

127 45.5 36.2 54.4

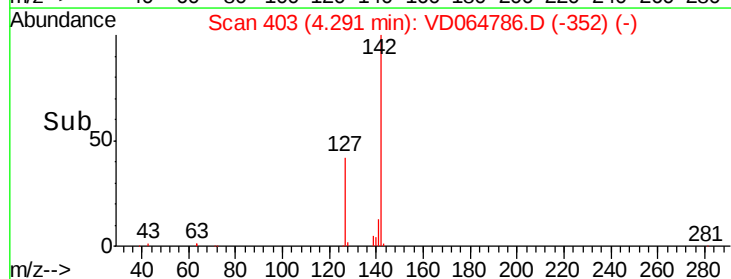
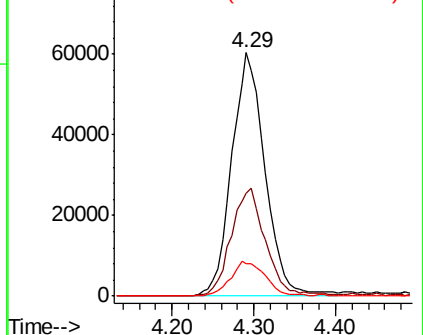
141 14.8 11.8 17.8



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



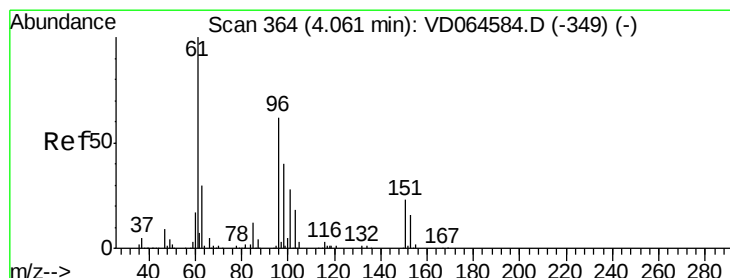
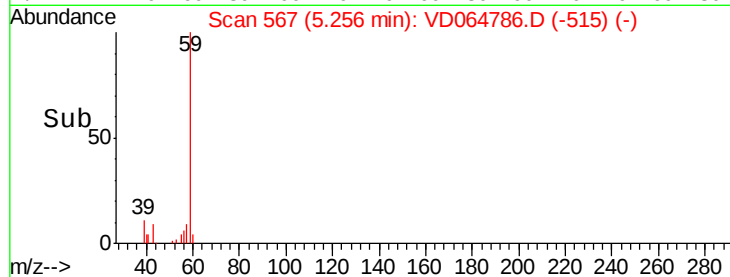
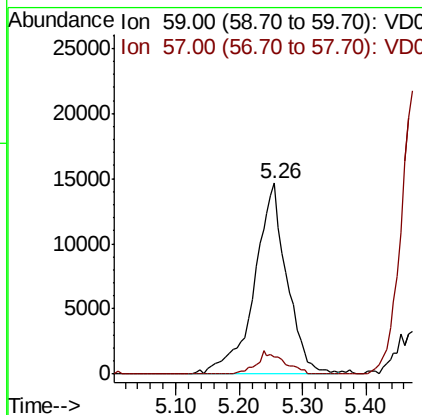
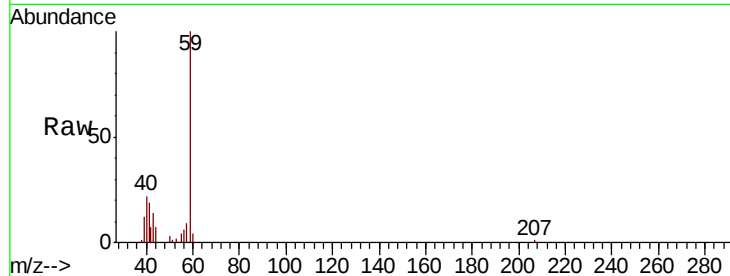


#11

Tert butyl alcohol
Concen: 294.232 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampleId :

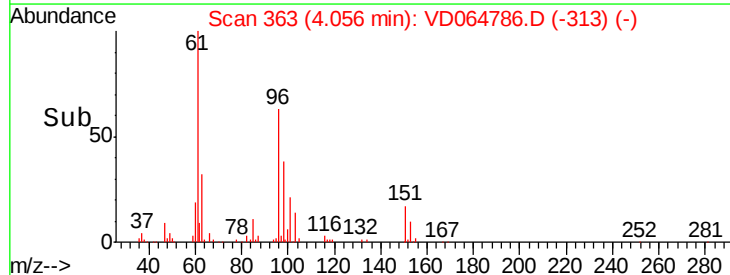
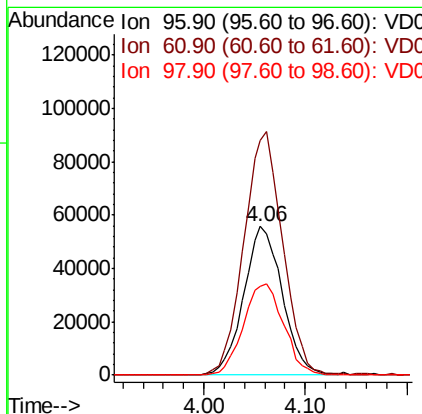
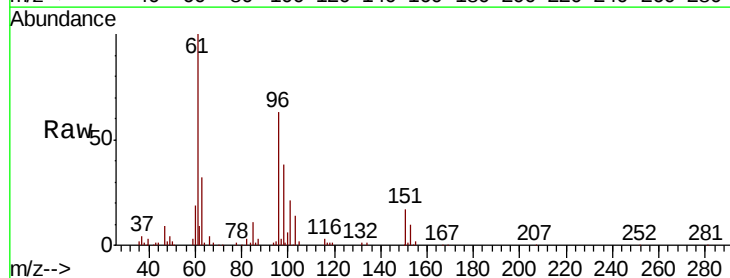
Tot Ion: 59 Resp: 52239
Ion Ratio Lower Upper
59 100
57 10.1 9.3 13.9

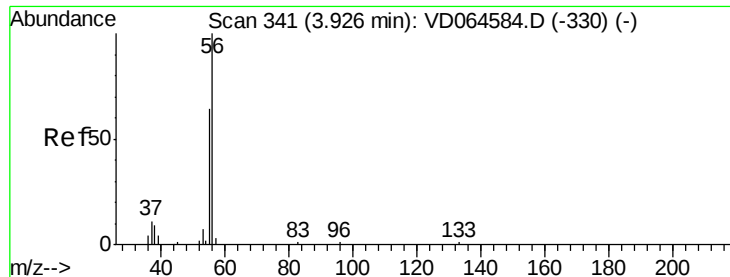


#12

1,1-Dichloroethene
Concen: 47.662 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 96 Resp: 147318
Ion Ratio Lower Upper
96 100
61 157.8 129.4 194.0
98 60.1 51.4 77.0





#13

Acrolein

Concen: 325.881 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

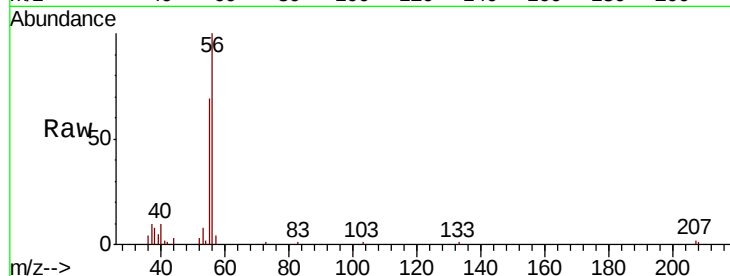
ClientSampleId :

Tot Ion: 56 Resp: 80634

Ion Ratio Lower Upper

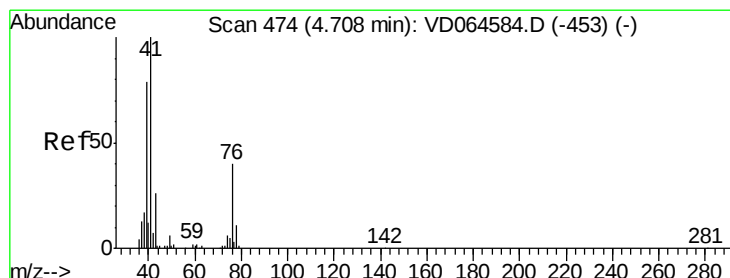
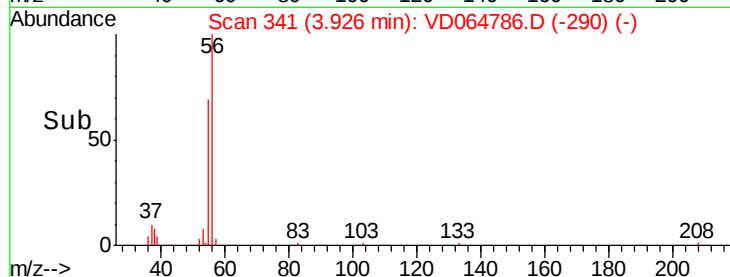
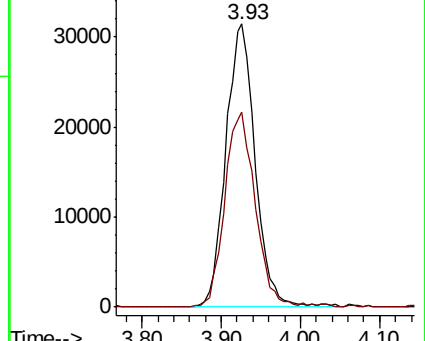
56 100

55 70.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.953 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

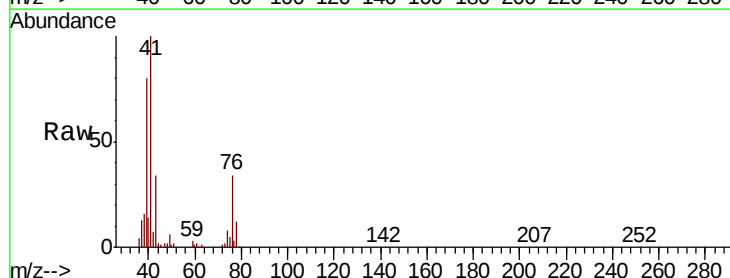
Tgt Ion: 41 Resp: 250367

Ion Ratio Lower Upper

41 100

39 78.0 62.3 93.5

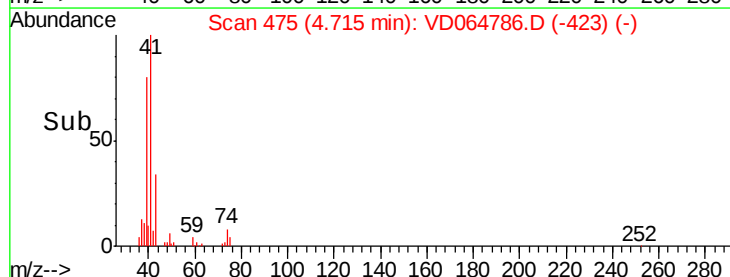
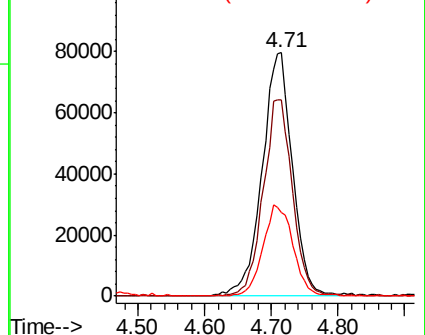
76 37.2 29.7 44.5

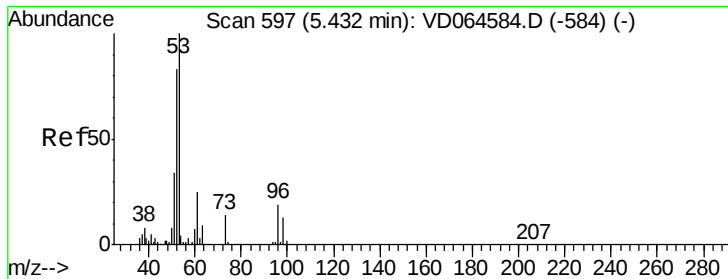


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 282.160 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

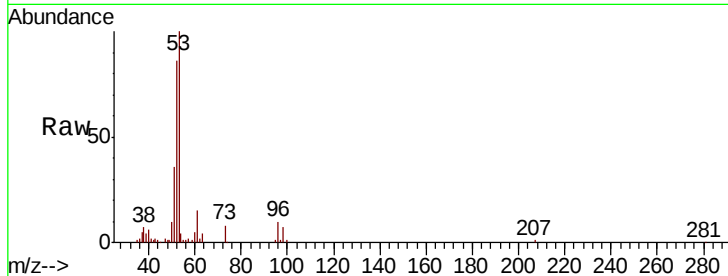
Tot Ion: 53 Resp: 182958

Ion Ratio Lower Upper

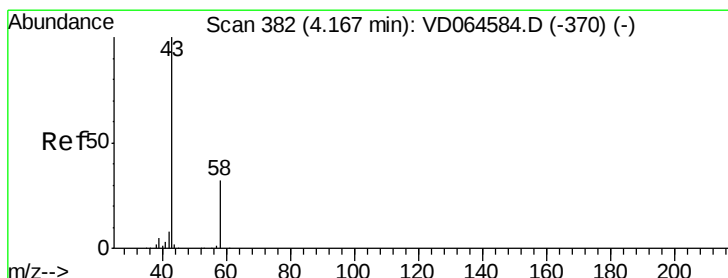
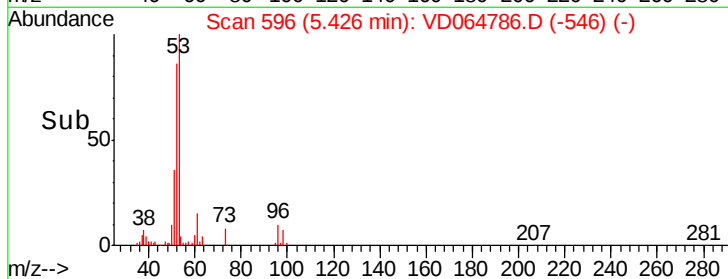
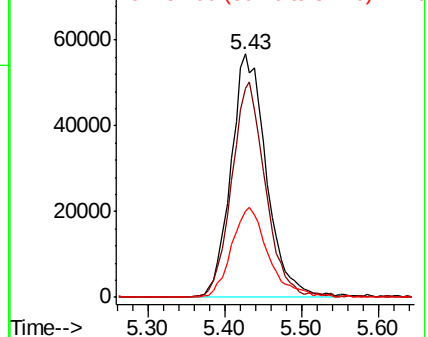
53 100

52 84.2 66.2 99.2

51 38.2 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 255.942 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064786.D

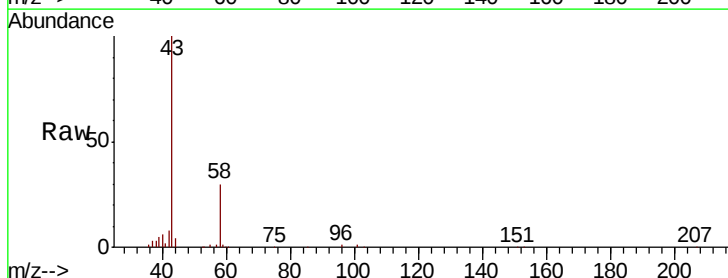
Acq: 06 Jan 2020 21:29

Tgt Ion: 43 Resp: 166519

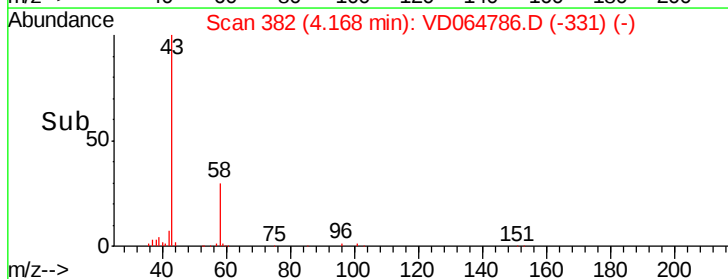
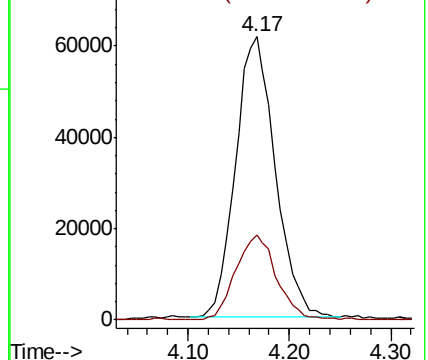
Ion Ratio Lower Upper

43 100

58 29.8 25.8 38.6



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

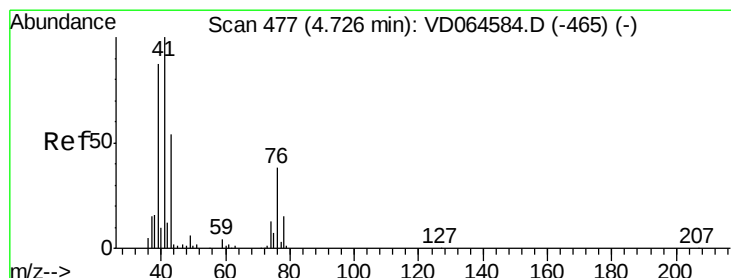
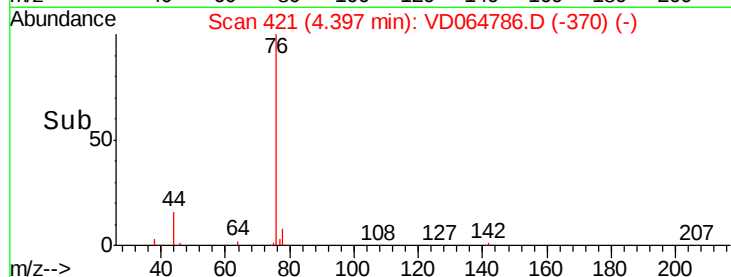
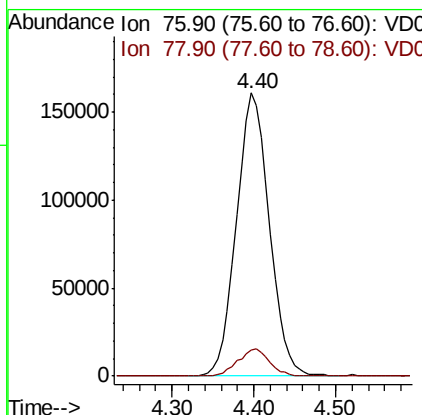
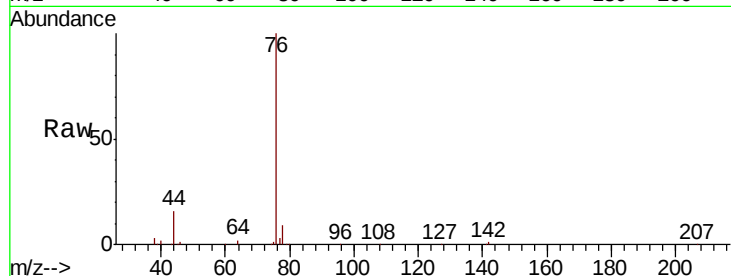




#17
Carbon Disulfide
Concen: 45.073 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

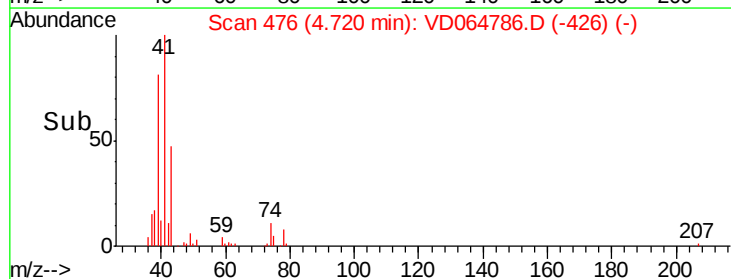
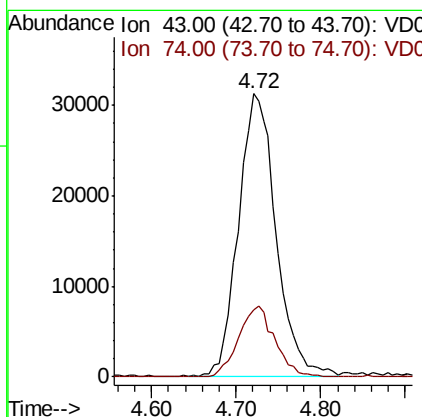
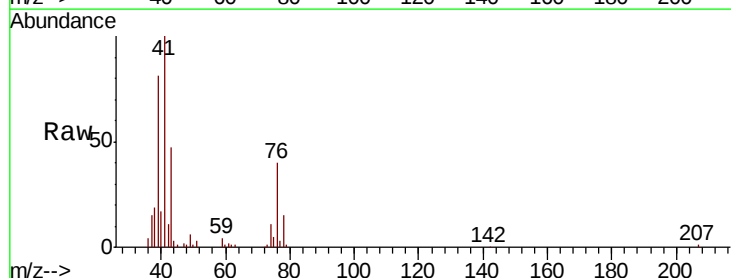
Instrument :
MSVOA_D
ClientSampleId :

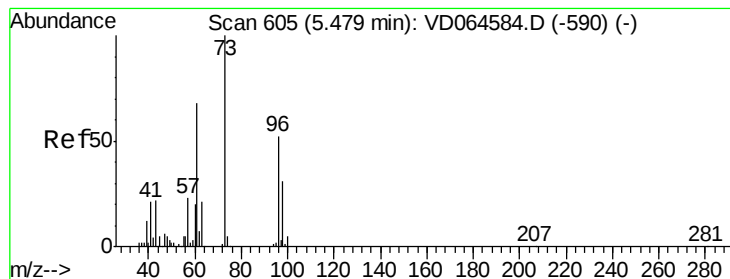
Tot Ion: 76 Resp: 450469
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 55.474 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 43 Resp: 96752
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



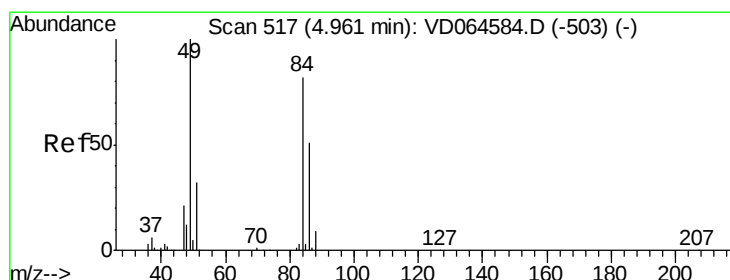
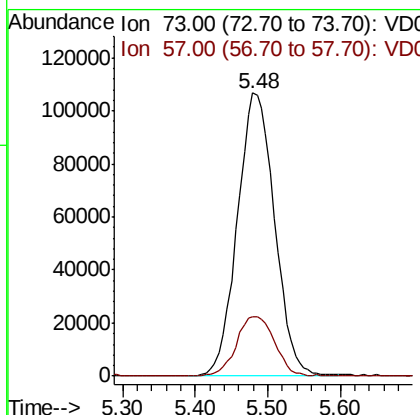
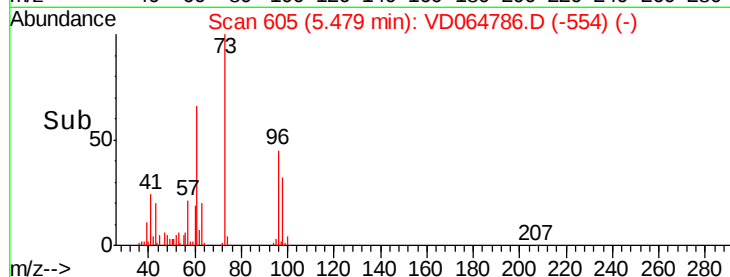
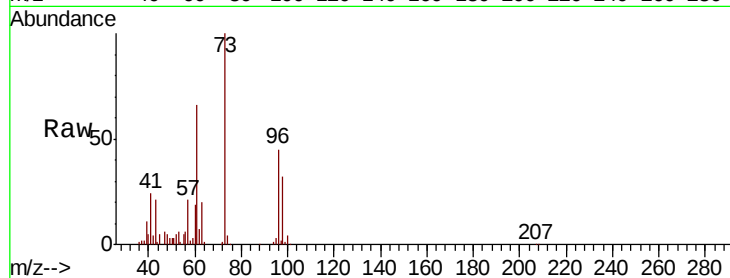


#19

Methyl tert-butyl Ether
 Concen: 55.386 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampleId :

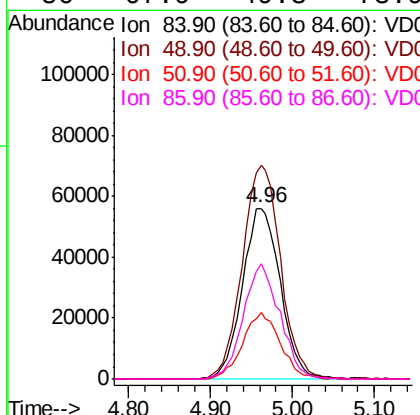
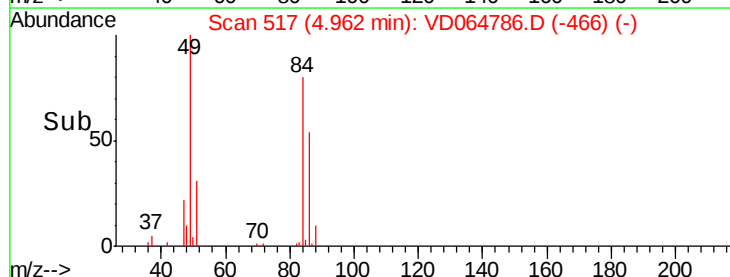
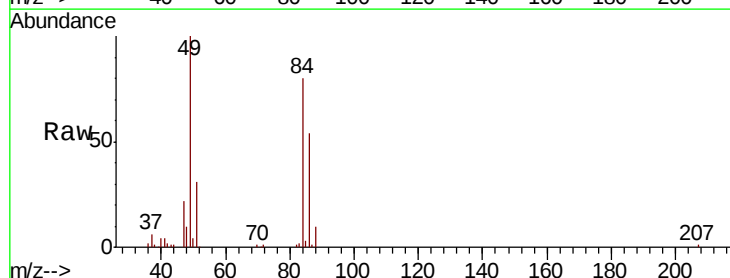
Tot Ion: 73 Resp: 380242
 Ion Ratio Lower Upper
 73 100
 57 20.9 18.6 27.8

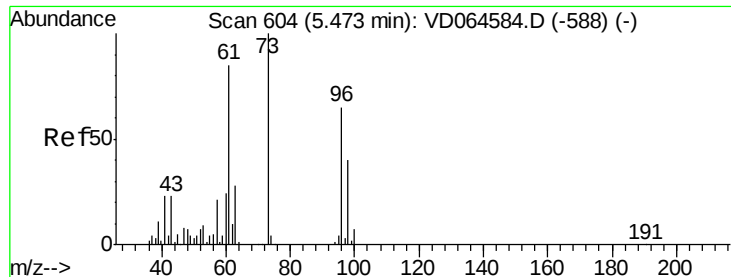


#20

Methylene Chloride
 Concen: 57.688 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion: 84 Resp: 180395
 Ion Ratio Lower Upper
 84 100
 49 125.3 97.2 145.8
 51 38.9 31.4 47.0
 86 67.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.810 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

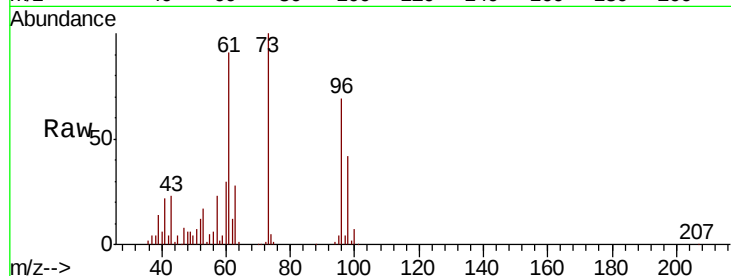
Tot Ion: 96 Resp: 175334

Ion Ratio Lower Upper

96 100

61 131.8 104.7 157.1

98 61.8 49.4 74.2

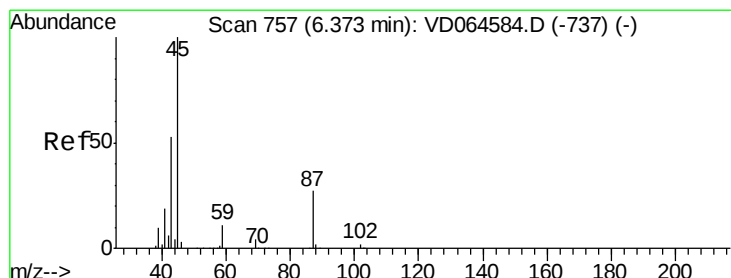
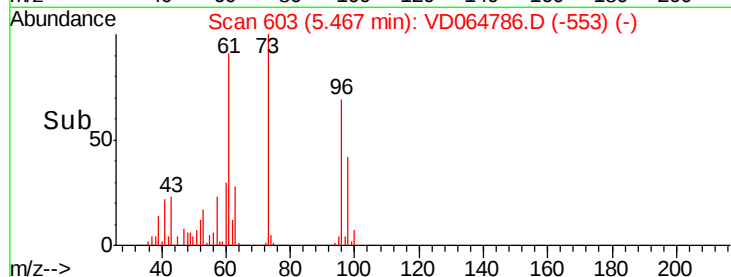
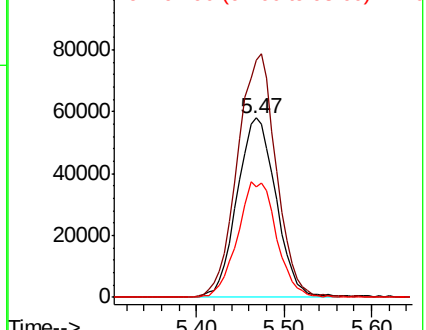


Abundance

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: 54.803 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Tgt Ion: 45 Resp: 526767

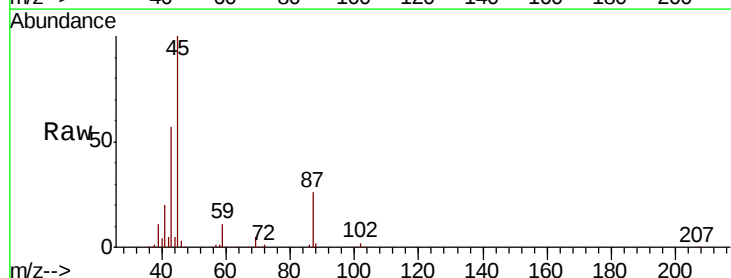
Ion Ratio Lower Upper

45 100

43 56.3 43.2 64.8

87 25.4 21.9 32.9

59 11.1 9.0 13.4



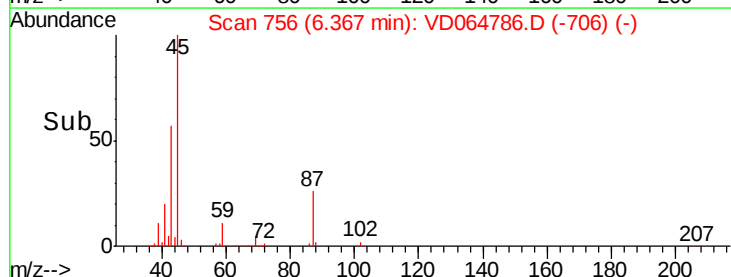
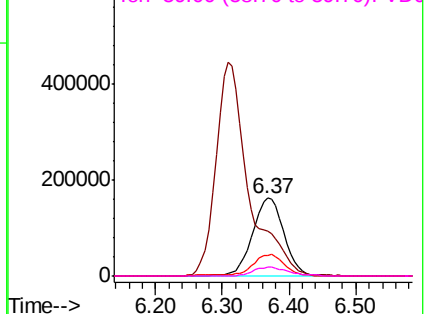
Abundance

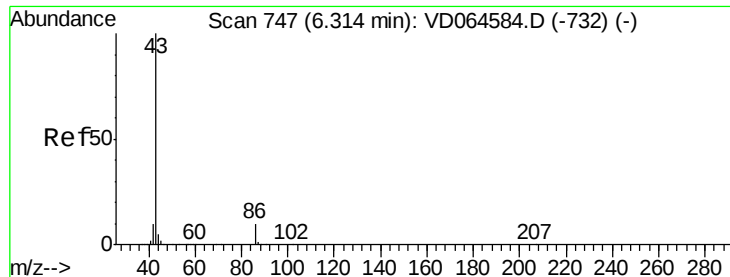
Ion 45.00 (44.70 to 45.70): VDC

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: 280.761 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

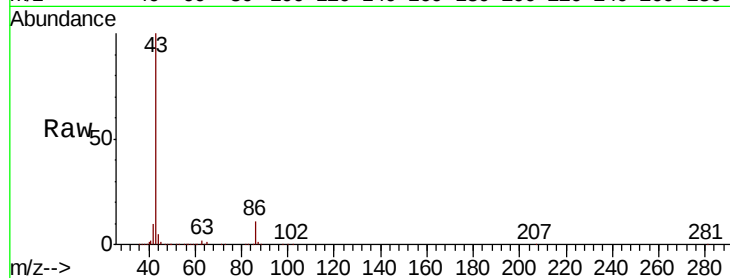
ClientSampled :

Tot Ion: 43 Resp: 1530867

Ion Ratio Lower Upper

43 100

86 11.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

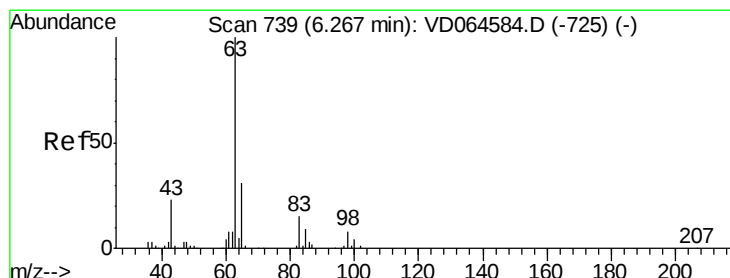
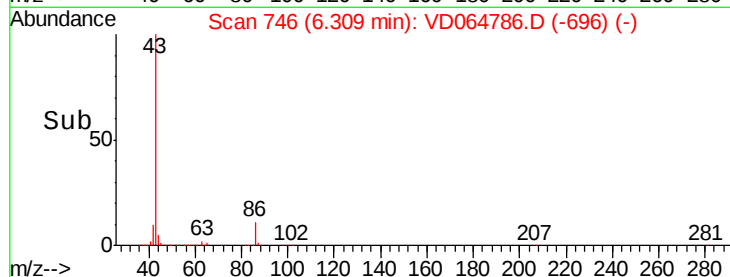
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.128 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

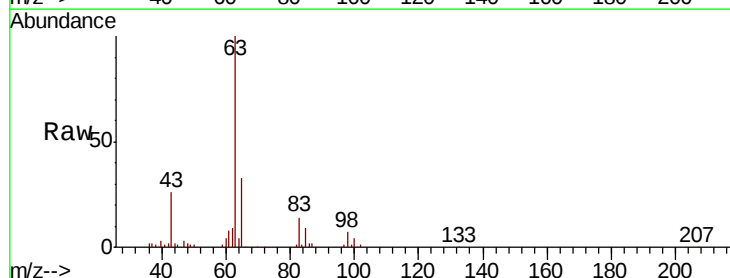
Tgt Ion: 63 Resp: 306574

Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

100 4.3 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

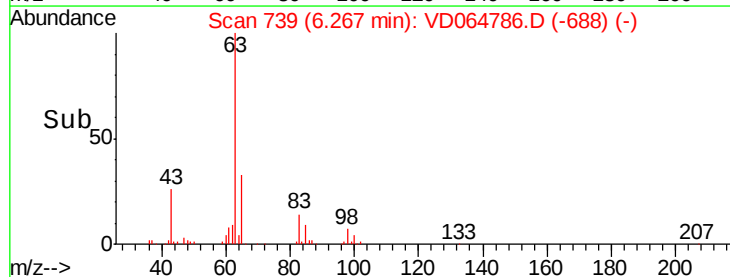
6.27

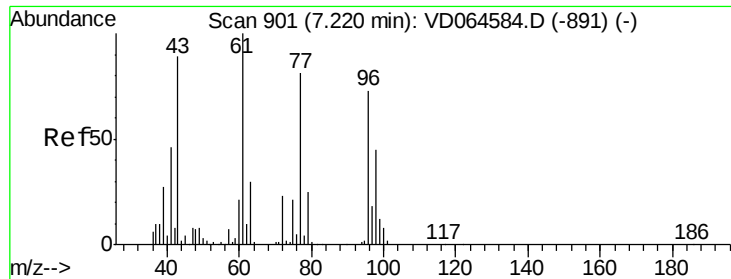
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 278.229 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

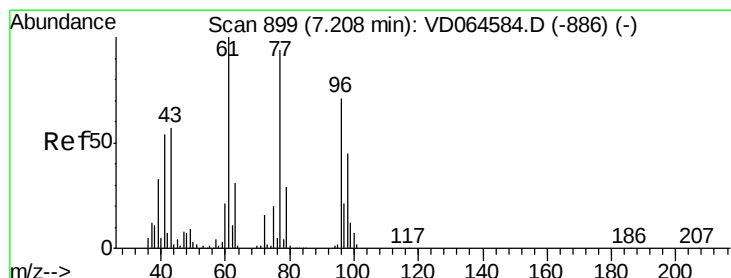
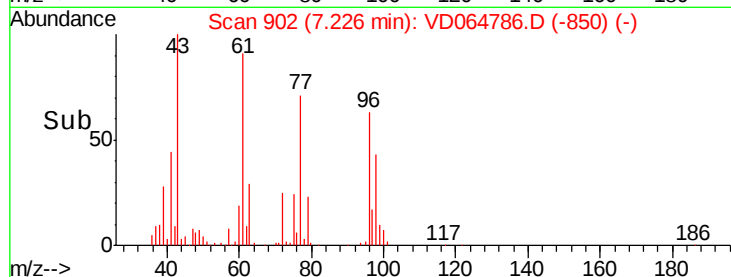
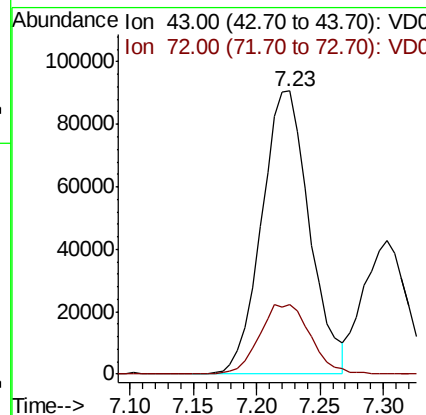
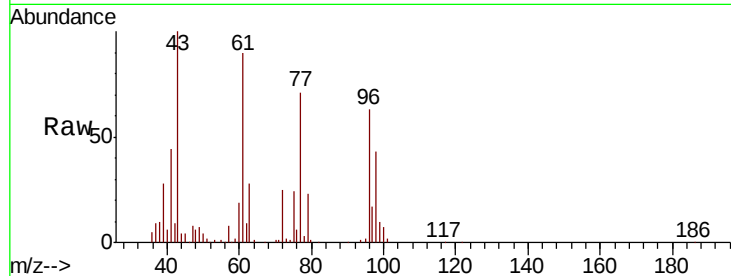
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 236925

Ion Ratio Lower Upper

43 100

72 24.6 20.7 31.1



#26

2,2-Dichloropropane

Concen: 49.685 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064786.D

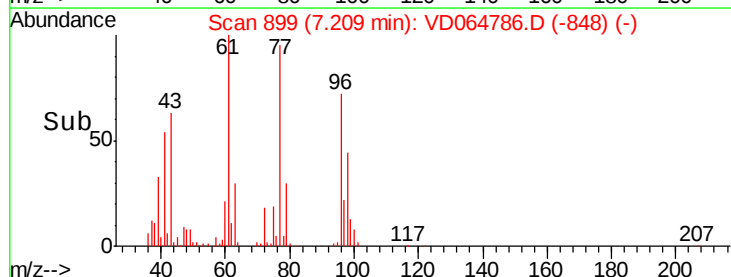
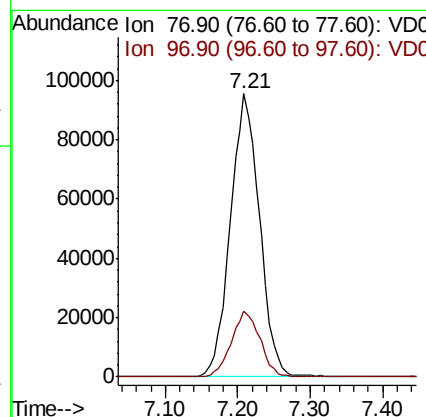
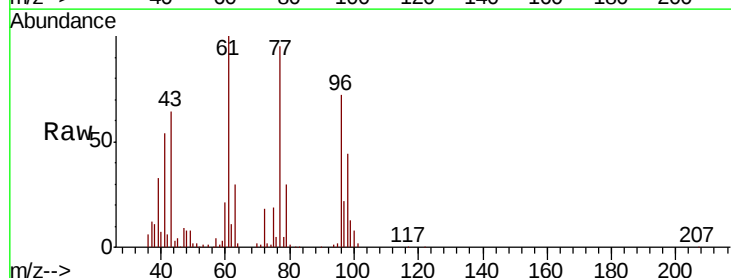
Acq: 06 Jan 2020 21:29

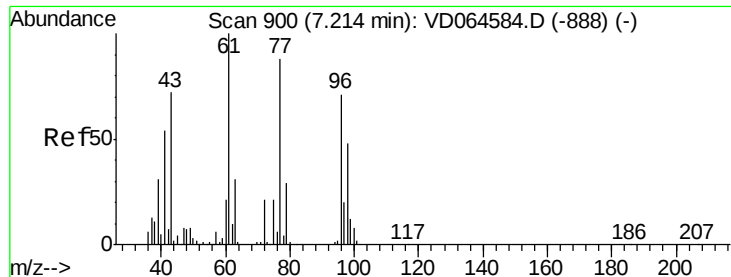
Tgt Ion: 77 Resp: 266563

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6



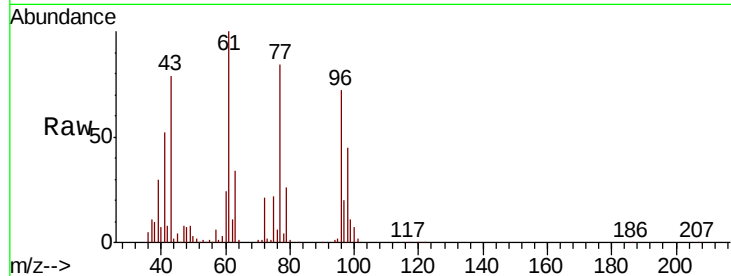


#27

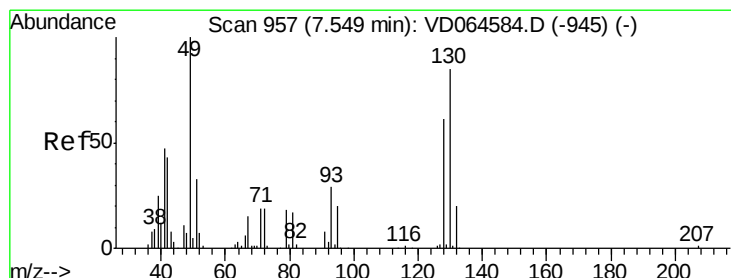
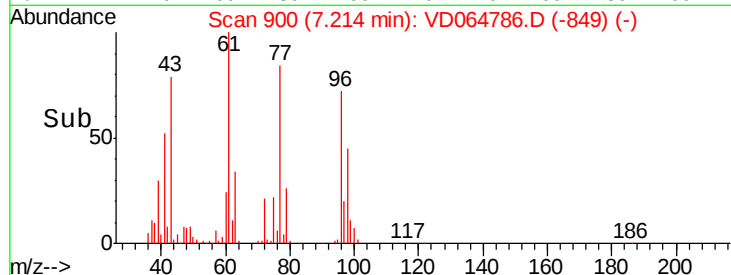
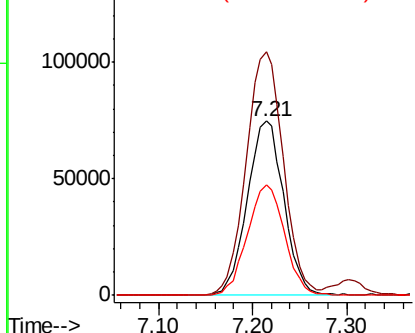
cis-1,2-Dichloroethene
 Concen: 52.907 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	200990
Ion Ratio	Lower	Upper	
96	100		
61	142.1	0.0	282.6
98	64.4	0.0	130.8



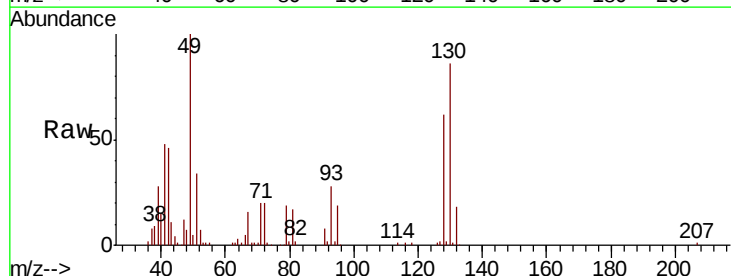
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



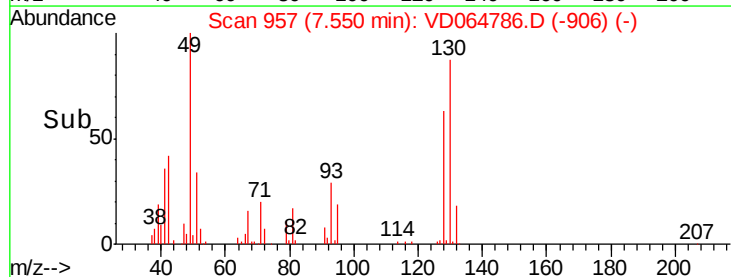
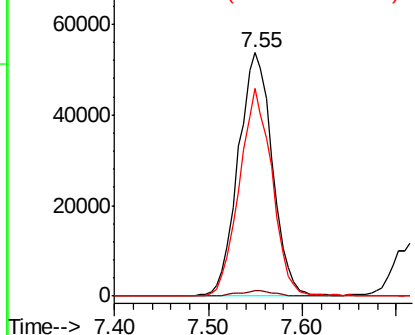
#28

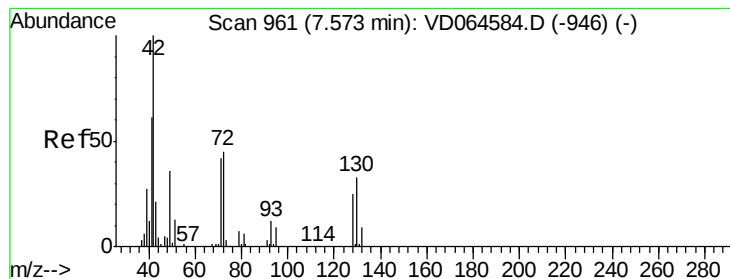
Bromochloromethane
 Concen: 60.157 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion	49	Resp	134941
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.8
130	82.2	65.0	97.6



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





#29

Tetrahydrofuran

Concen: 284.087 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

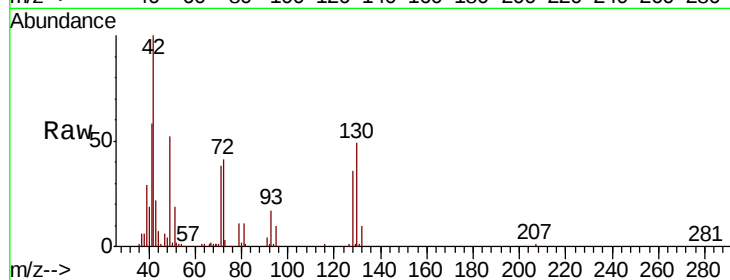
Tot Ion: 42 Resp: 150440

Ion Ratio Lower Upper

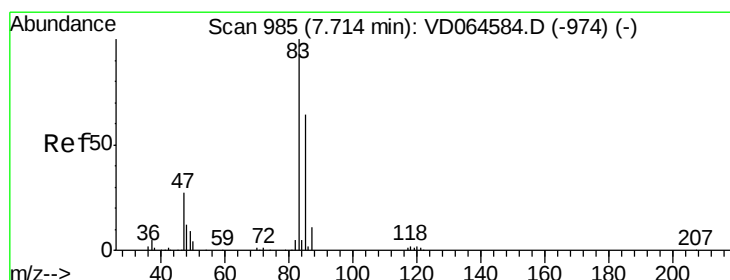
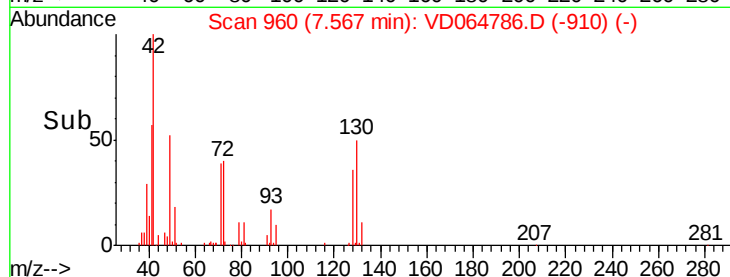
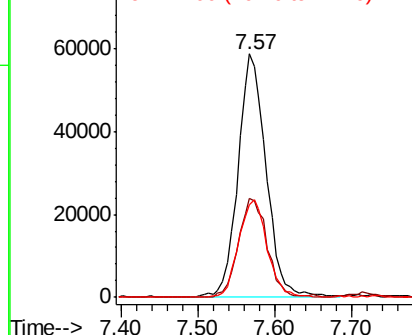
42 100

72 41.4 35.0 52.4

71 40.7 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: 54.133 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064786.D

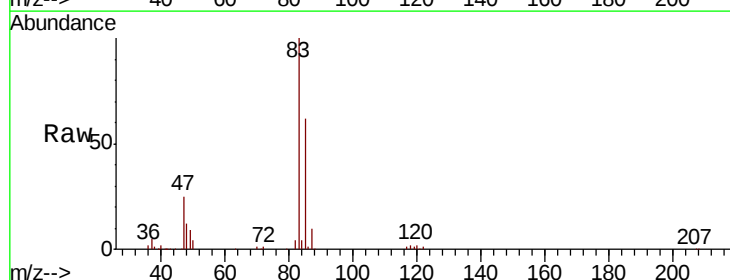
Acq: 06 Jan 2020 21:29

Tgt Ion: 83 Resp: 327730

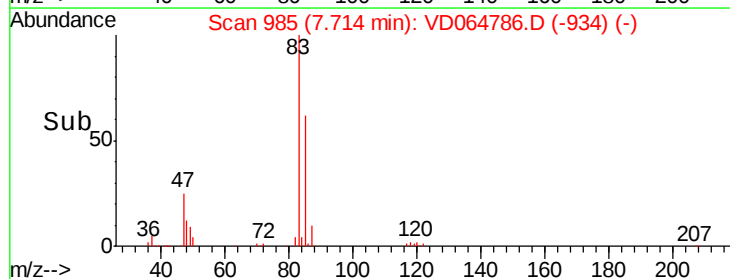
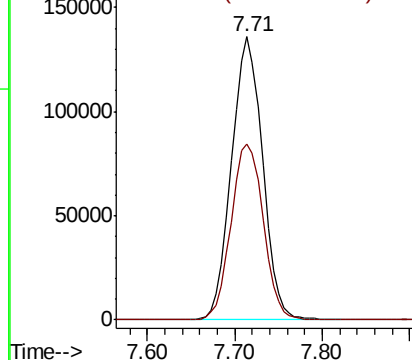
Ion Ratio Lower Upper

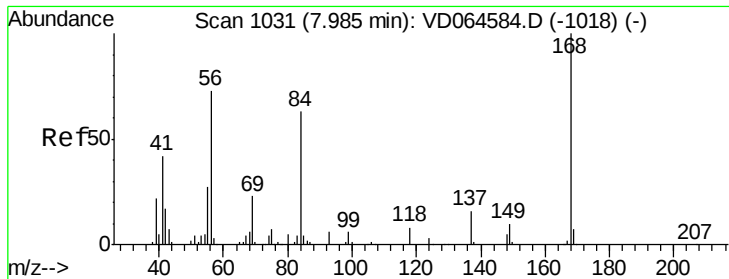
83 100

85 62.3 51.1 76.7



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

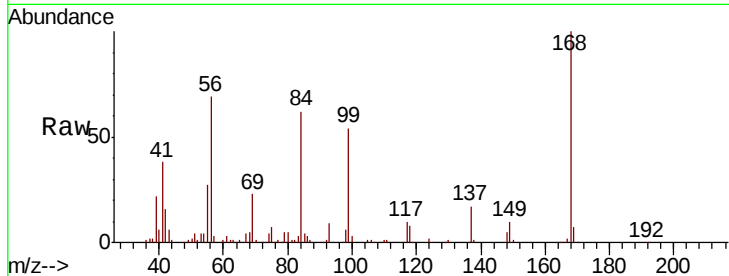




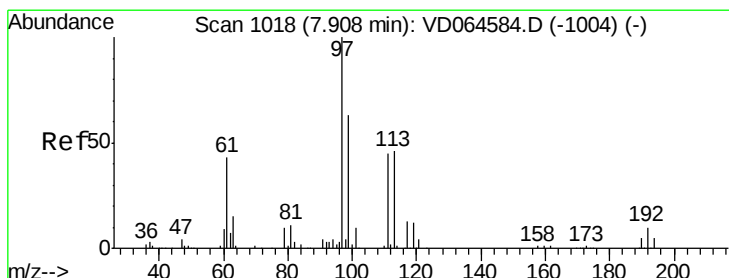
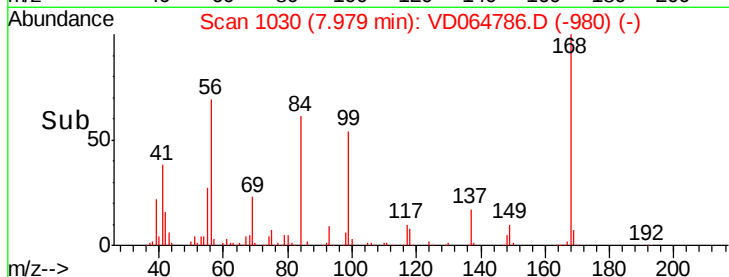
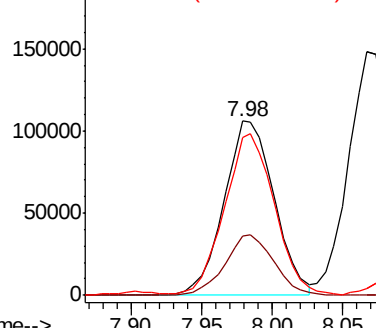
#31
Cyclohexane
Concen: 45.576 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 263258
Ion Ratio Lower Upper
56 100
69 33.7 24.7 37.1
84 89.5 69.4 104.2

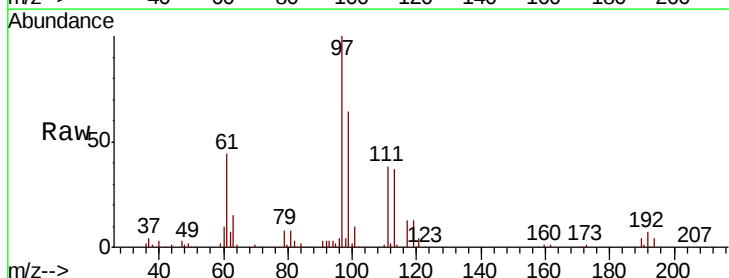


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

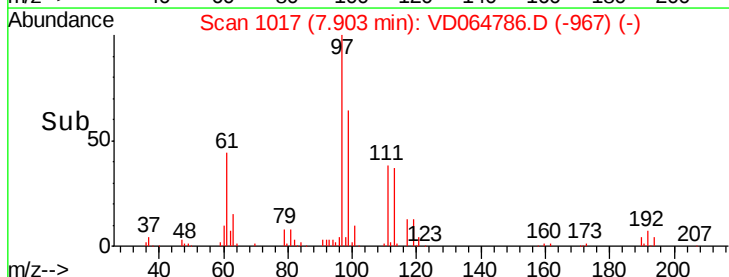
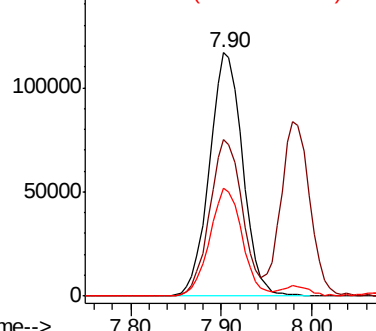


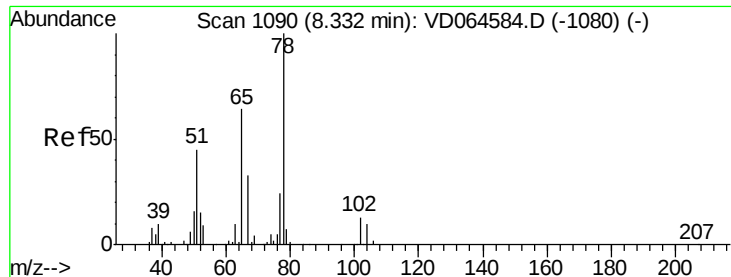
#32
1,1,1-Trichloroethane
Concen: 52.176 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 97 Resp: 296695
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 43.5 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.962 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

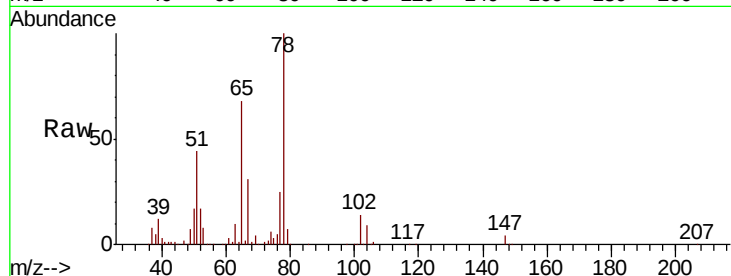
ClientSampleId :

Tot Ion: 65 Resp: 179562

Ion Ratio Lower Upper

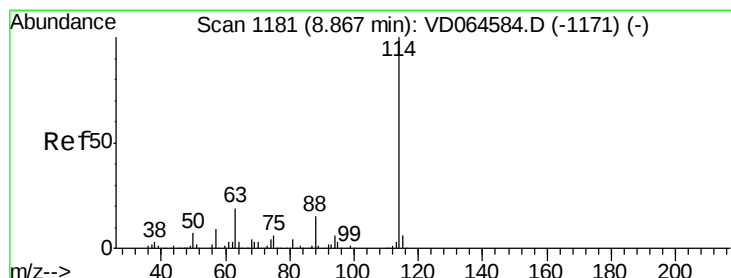
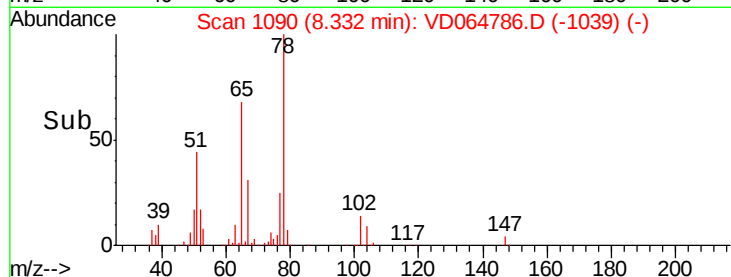
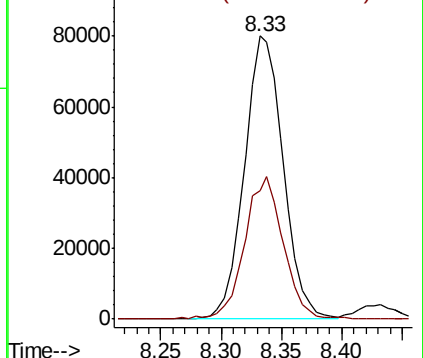
65 100

67 50.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

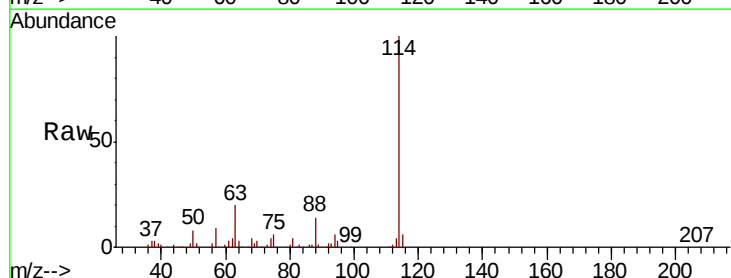
Tgt Ion: 114 Resp: 529840

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

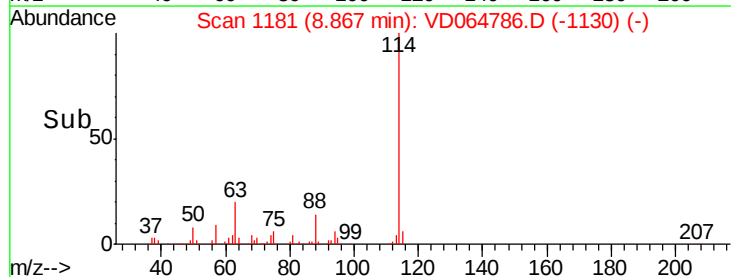
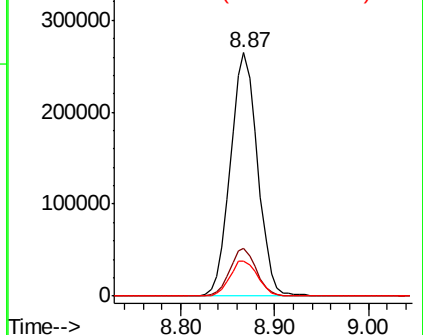
88 14.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

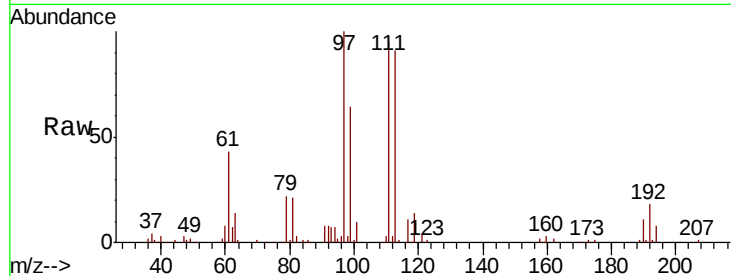




#35
 Dibromofluoromethane
 Concen: 53.283 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.6	121.0
192	21.8	17.9	26.9

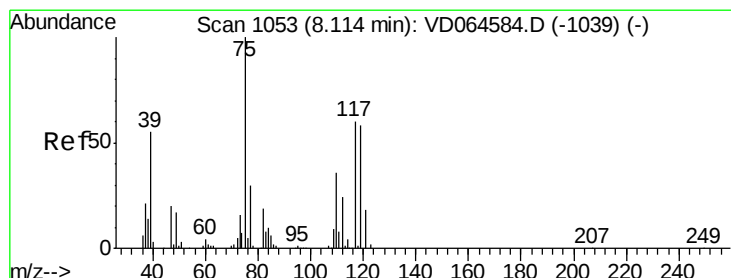
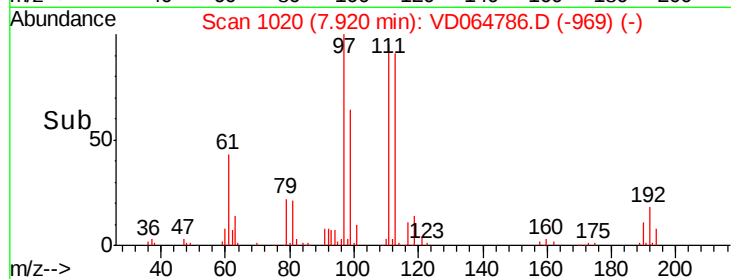
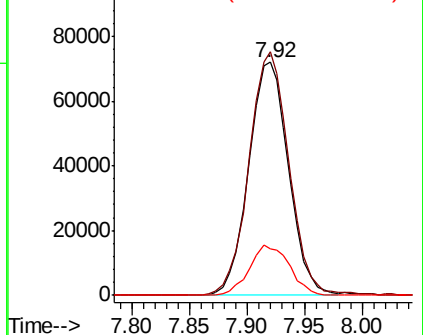


Abundance

Ion 112.80 (112.50 to 113.50): V

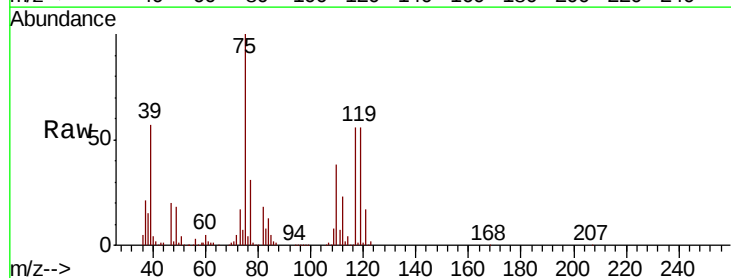
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.028 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	30.5	24.2	36.4

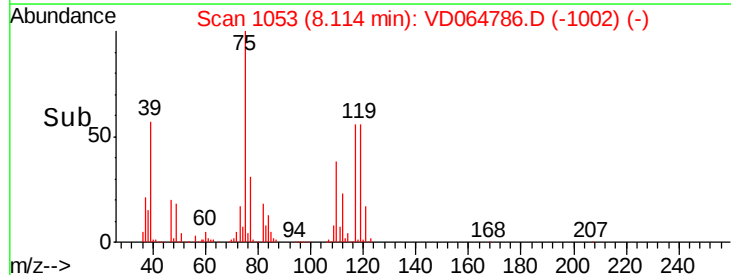
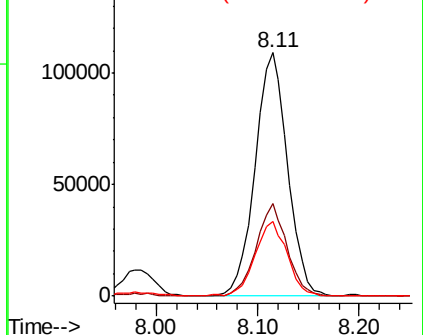


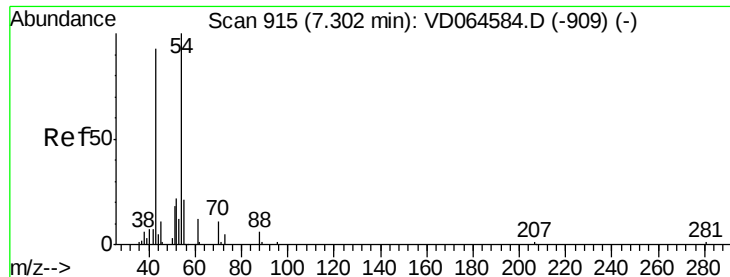
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

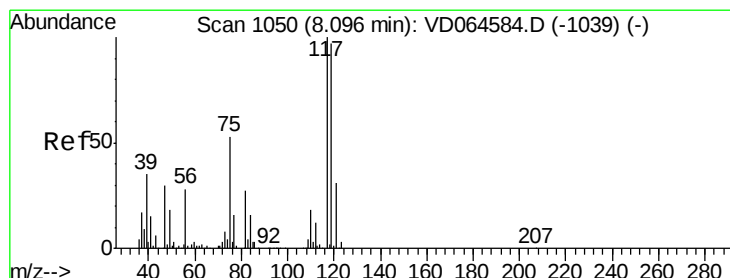
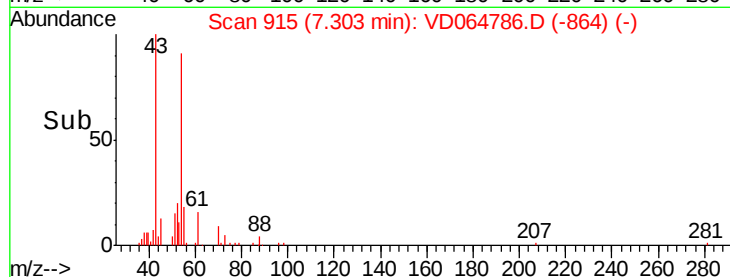
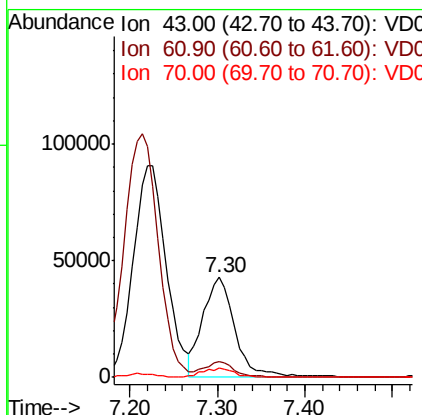
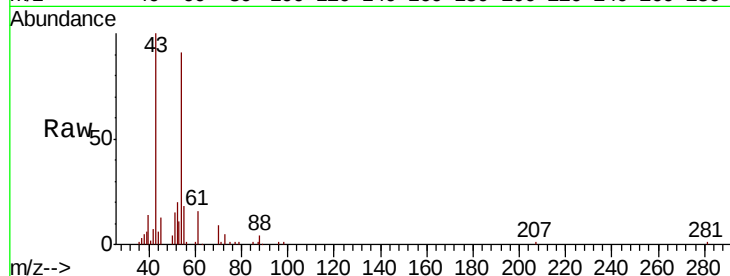




#37
Ethyl Acetate
Concen: 54.006 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

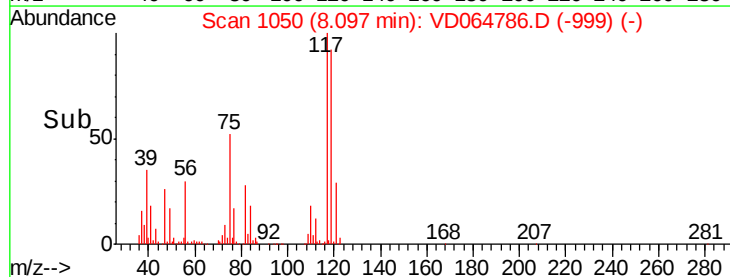
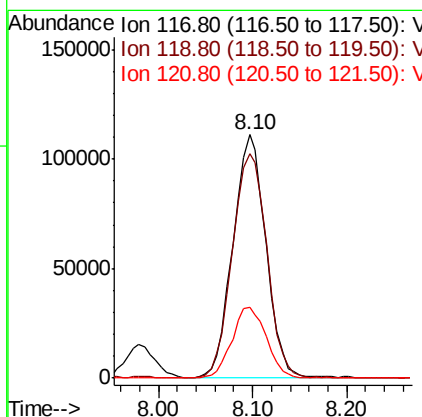
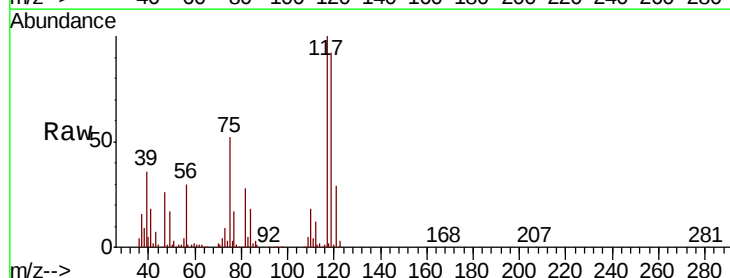
Instrument :
MSVOA_D
ClientSampled :

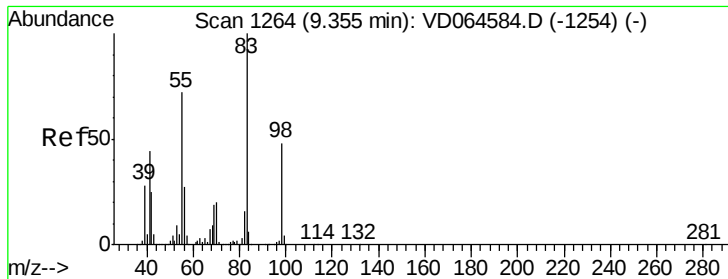
Tot Ion: 43 Resp: 108197
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 9.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.742 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 117 Resp: 270484
Ion Ratio Lower Upper
117 100
119 92.2 77.3 115.9
121 29.2 25.0 37.6

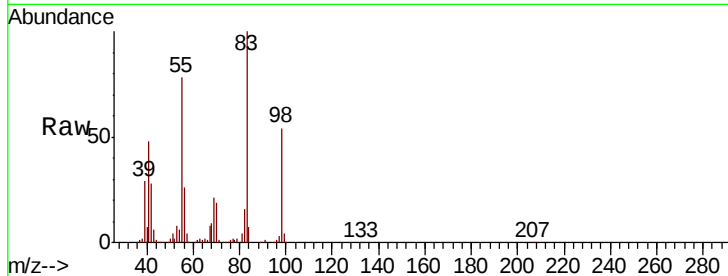




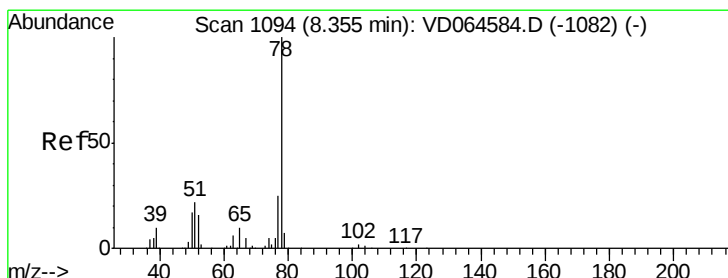
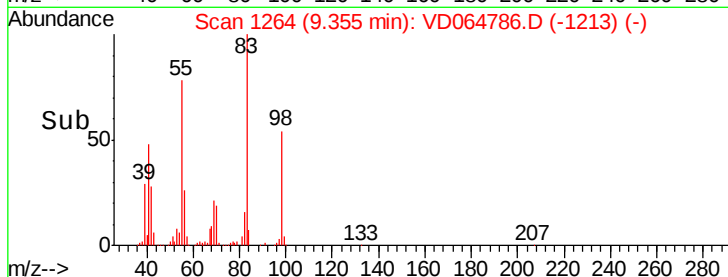
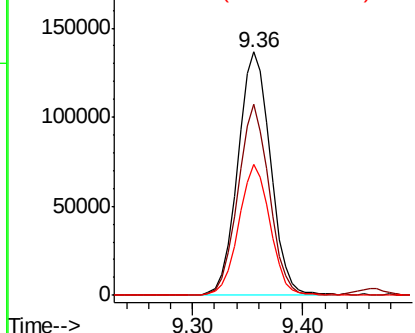
#39
Methylvlcyclohexane
Concen: 46.026 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 284286
Ion Ratio Lower Upper
83 100
55 78.4 57.8 86.6
98 53.7 38.7 58.1

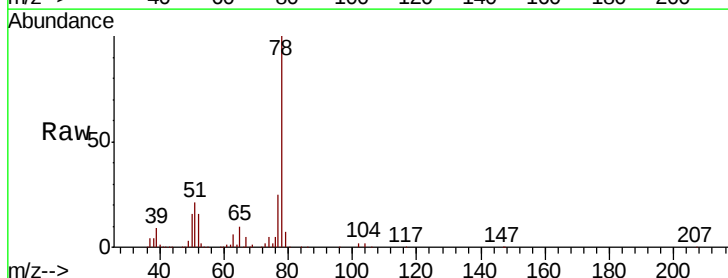


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

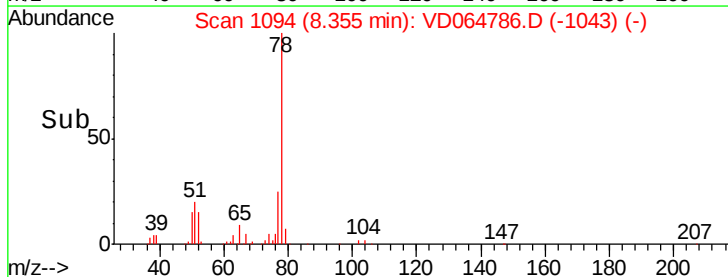
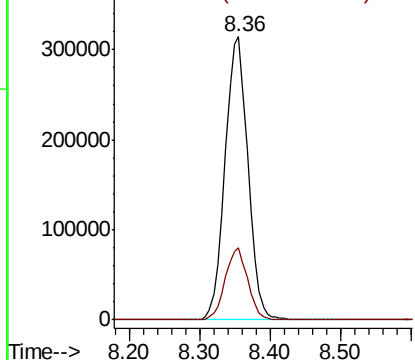


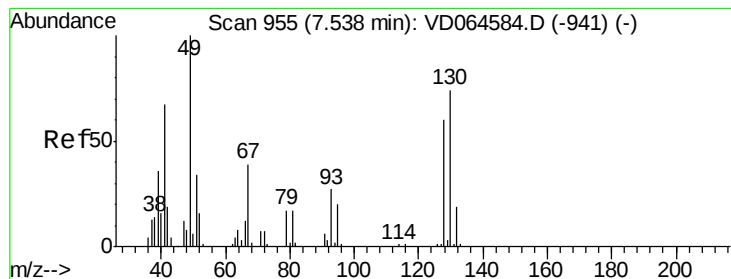
#40
Benzene
Concen: 50.880 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 78 Resp: 708328
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9



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





#41

Methacrylonitrile

Concen: 52.078 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 60535

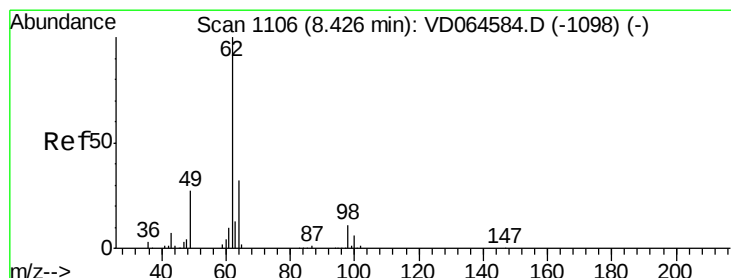
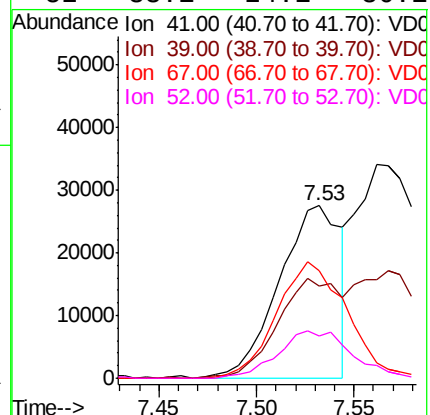
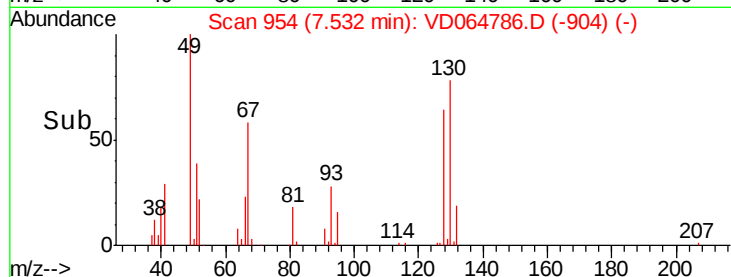
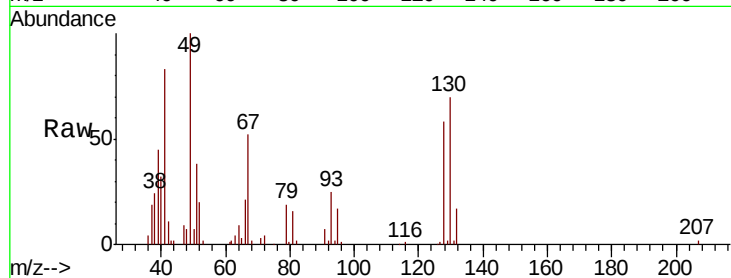
Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

67 76.8 52.5 78.7

52 33.1 24.1 36.1



#42

1,2-Dichloroethane

Concen: 52.579 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064786.D

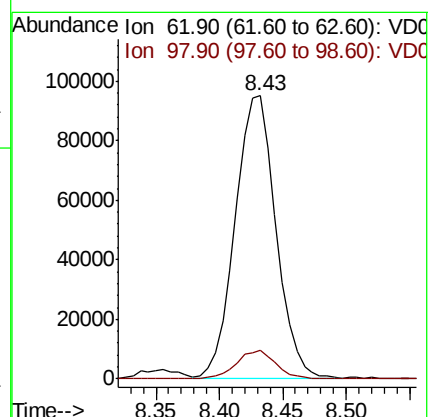
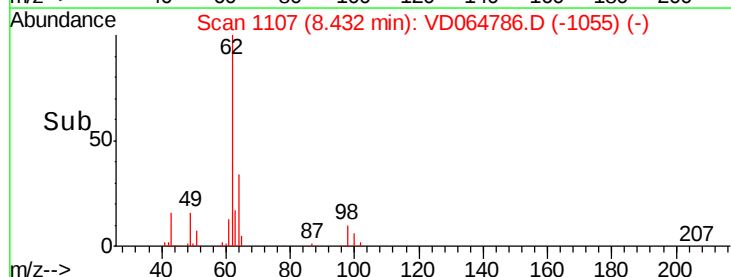
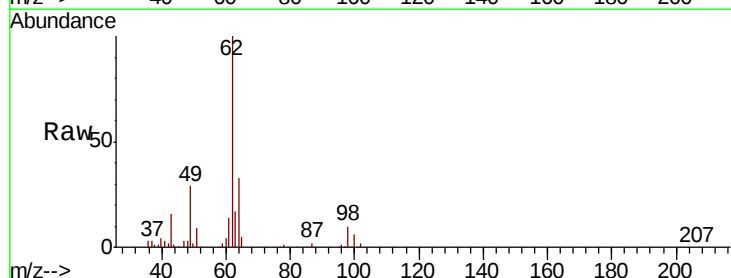
Acq: 06 Jan 2020 21:29

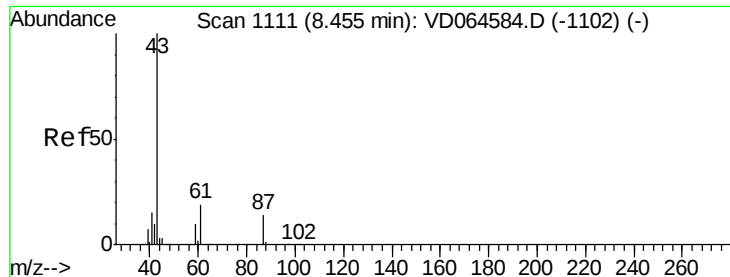
Tgt Ion: 62 Resp: 211526

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.0





#43

Isopropyl Acetate

Concen: 53.287 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

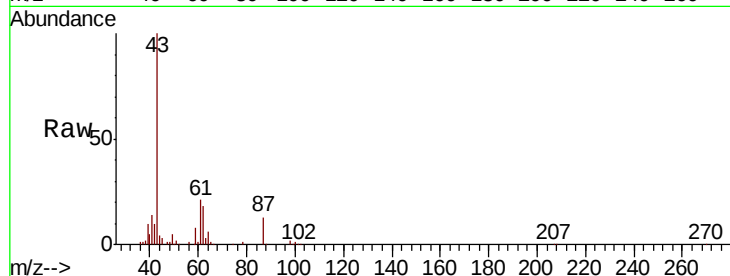
Tot Ion: 43 Resp: 212488

Ion Ratio Lower Upper

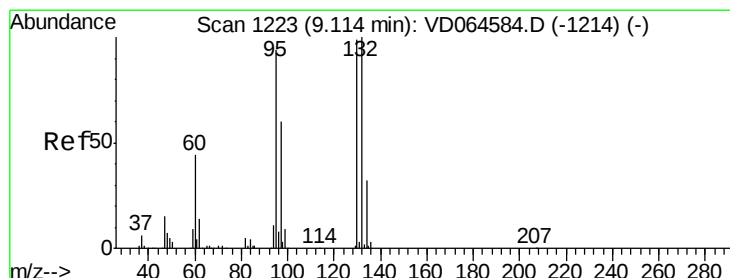
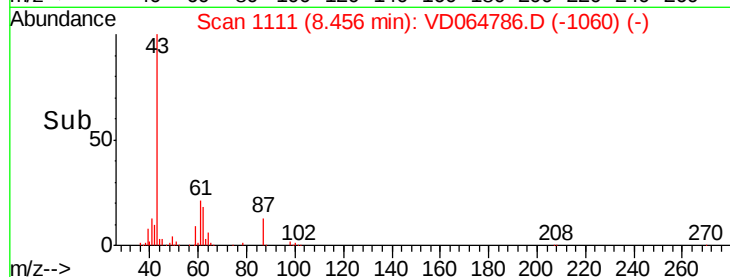
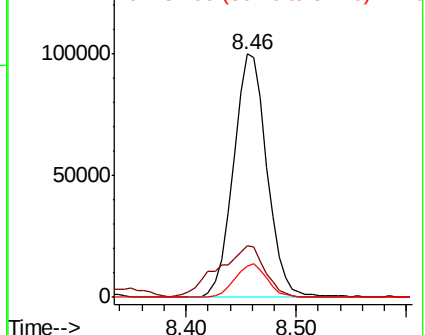
43 100

61 29.4 23.7 35.5

87 13.1 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: 48.661 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064786.D

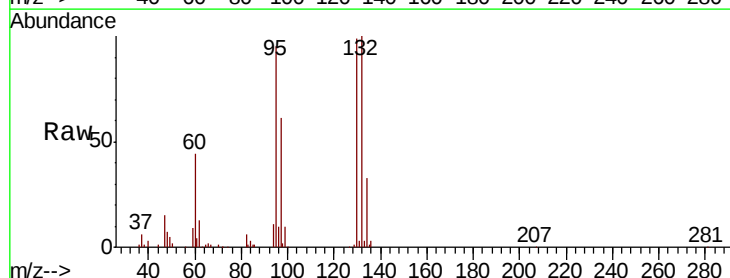
Acq: 06 Jan 2020 21:29

Tgt Ion:130 Resp: 199011

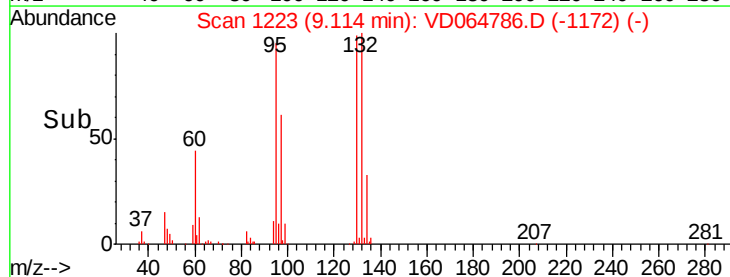
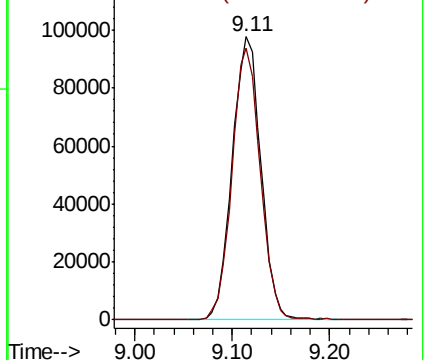
Ion Ratio Lower Upper

130 100

95 95.9 0.0 190.2



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

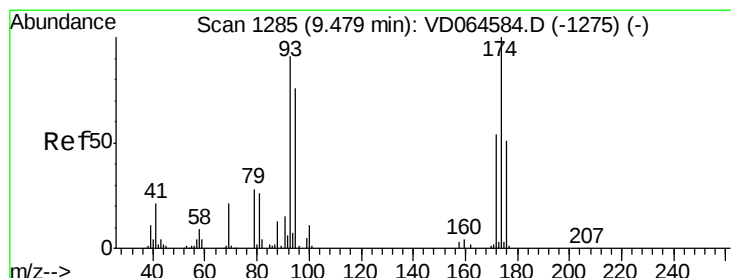
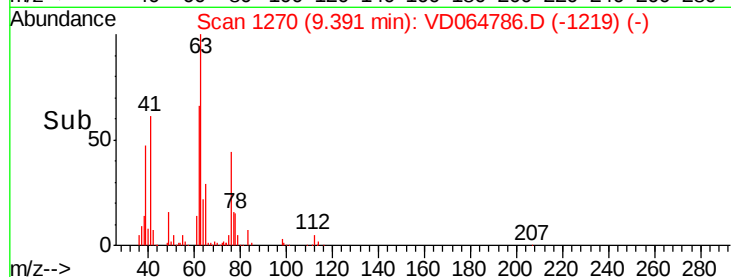
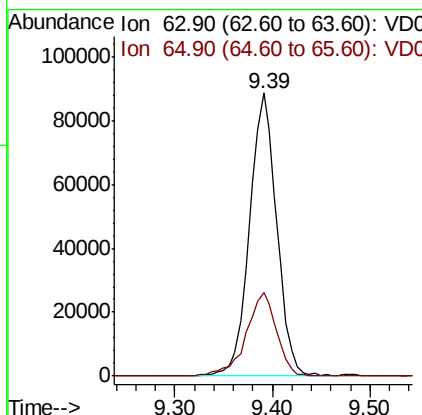
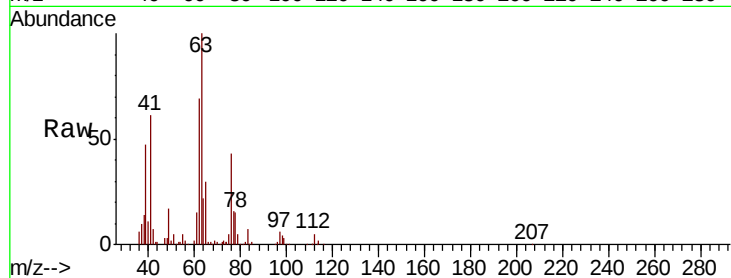




#45
 1,2-Dichloropropane
 Concen: 52.249 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

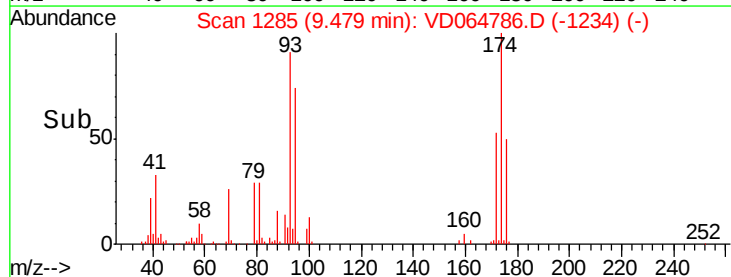
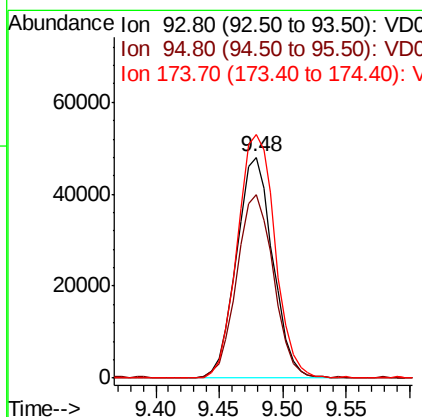
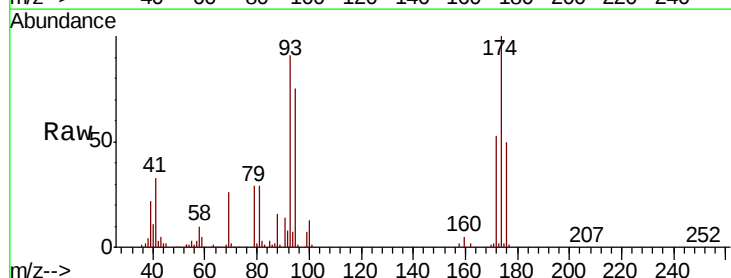
Instrument :
 MSVOA_D
 ClientSampleId :

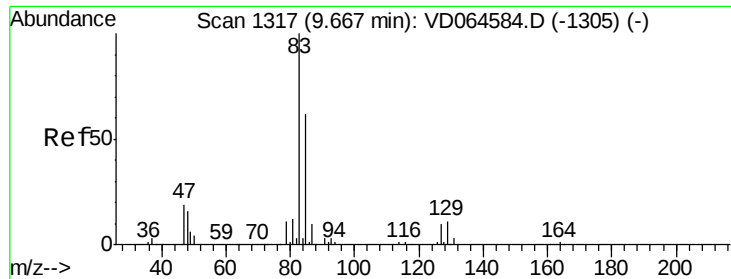
Tot Ion: 63 Resp: 173675
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8



#46
 Dibromomethane
 Concen: 51.497 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion: 93 Resp: 95435
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.6 97.0
 174 114.9 88.1 132.1





#47

Bromodichloromethane

Concen: 52.579 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

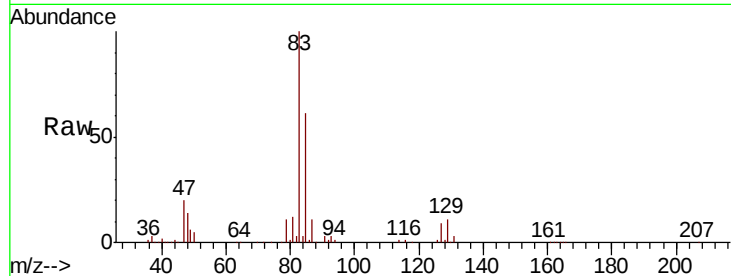
Tot Ion: 83 Resp: 259287

Ion Ratio Lower Upper

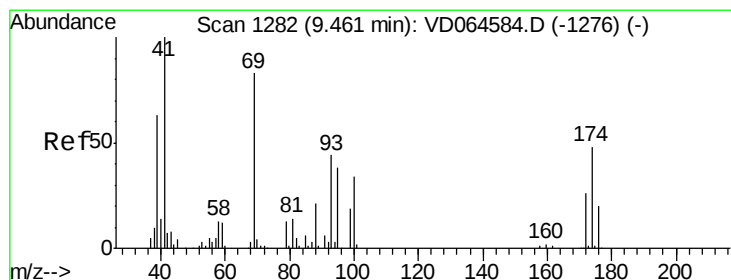
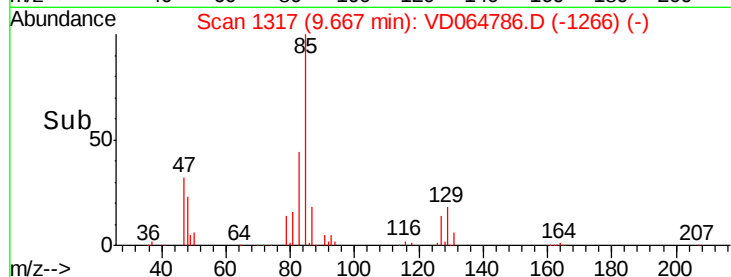
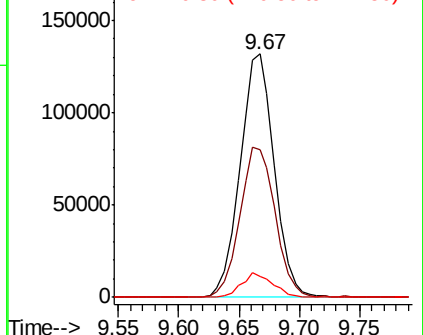
83 100

85 60.6 49.5 74.3

127 8.5 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: 54.703 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

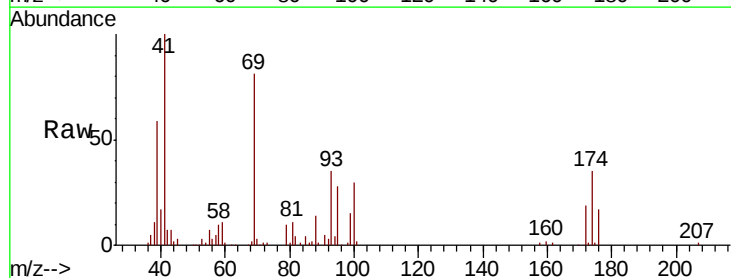
Tgt Ion: 41 Resp: 102711

Ion Ratio Lower Upper

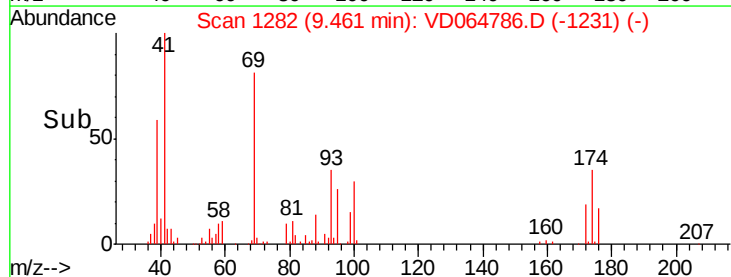
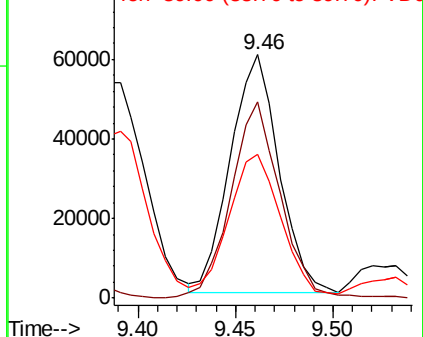
41 100

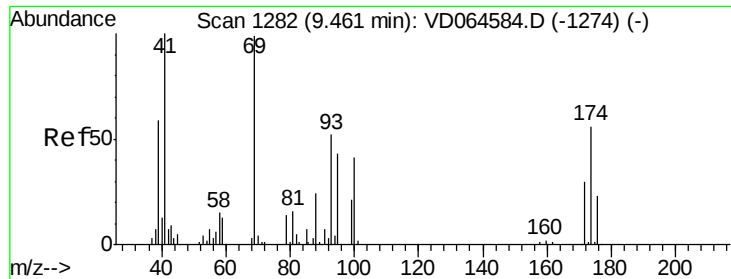
69 84.3 63.0 94.6

39 61.6 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: 1048.203 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

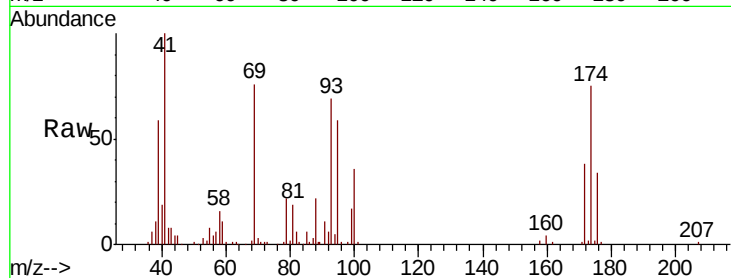
Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

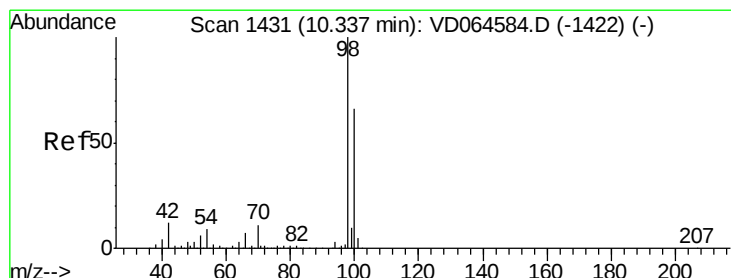
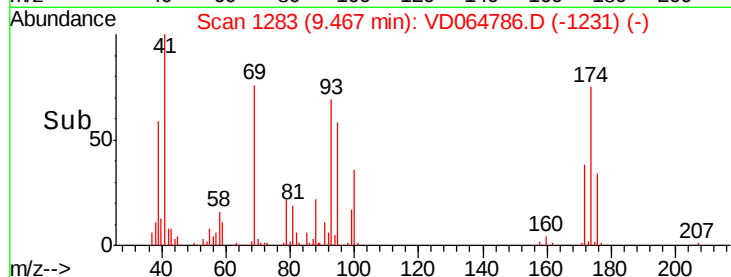
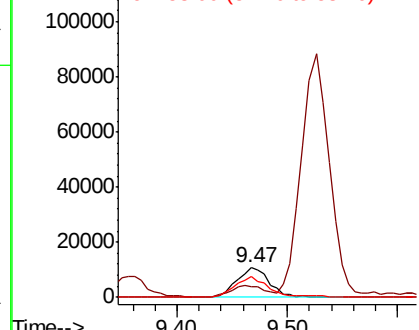
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 22399

Ion	Ratio	Lower	Upper
88	100		
43	41.8	27.7	41.5#
58	69.5	53.8	80.6



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



#50

Toluene-d8

Concen: 53.230 ug/l

RT: 10.34 min Scan# 1432

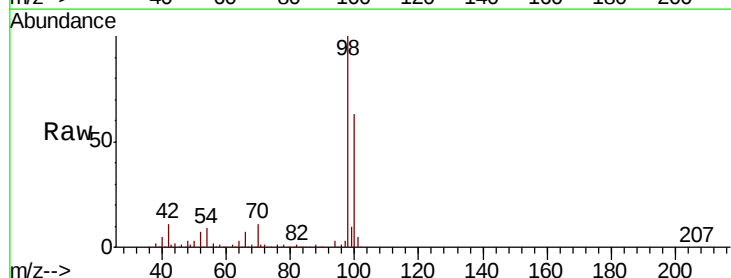
Delta R.T. 0.01 min

Lab File: VD064786.D

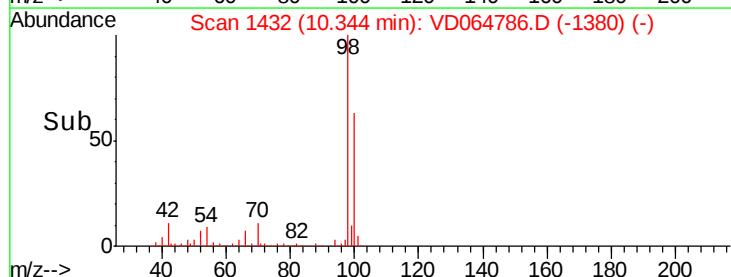
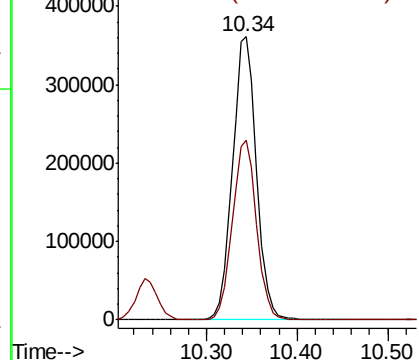
Acq: 06 Jan 2020 21:29

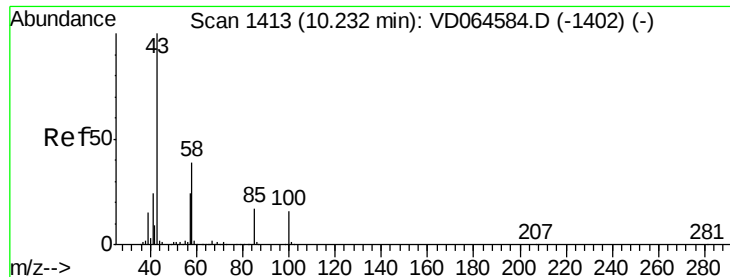
Tgt Ion: 98 Resp: 662691

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5



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





#51

4-Methyl-2-Pentanone

Concen: 276.708 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

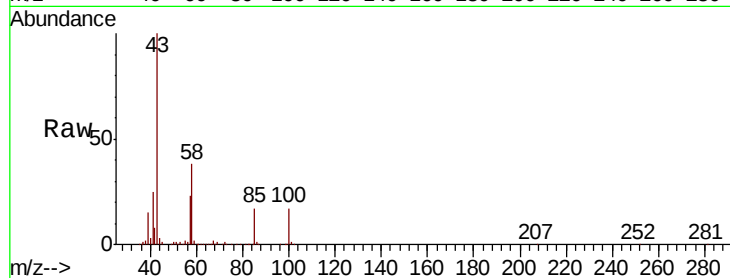
ClientSampleId :

Tot Ion: 43 Resp: 545393

Ion Ratio Lower Upper

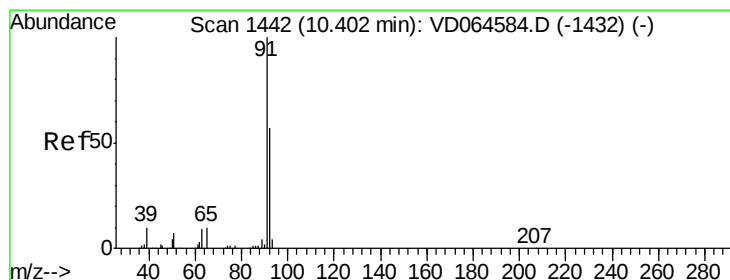
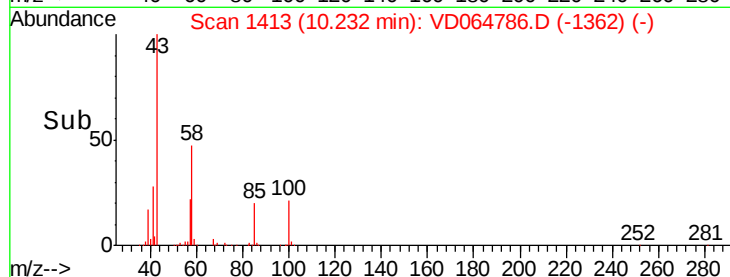
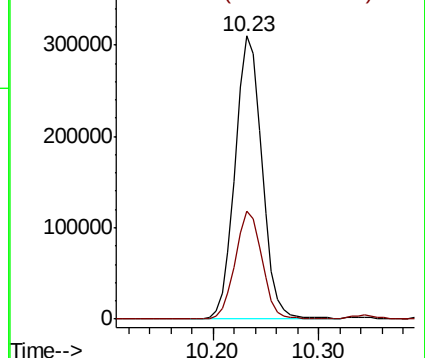
43 100

58 38.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.555 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064786.D

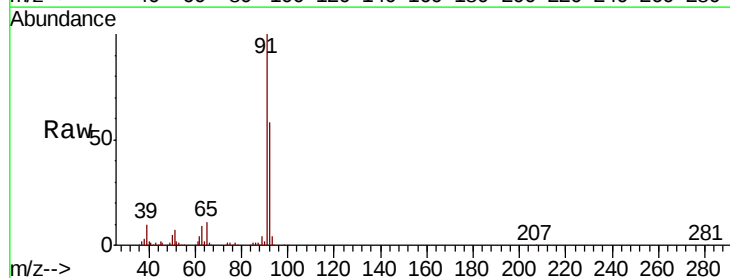
Acq: 06 Jan 2020 21:29

Tgt Ion: 92 Resp: 461749

Ion Ratio Lower Upper

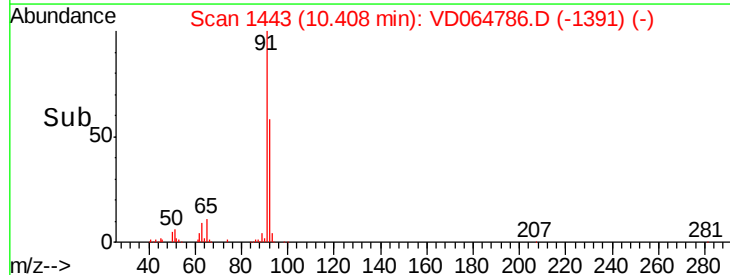
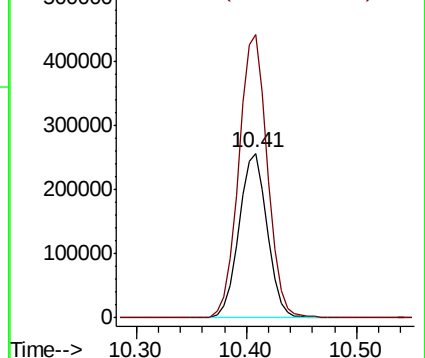
92 100

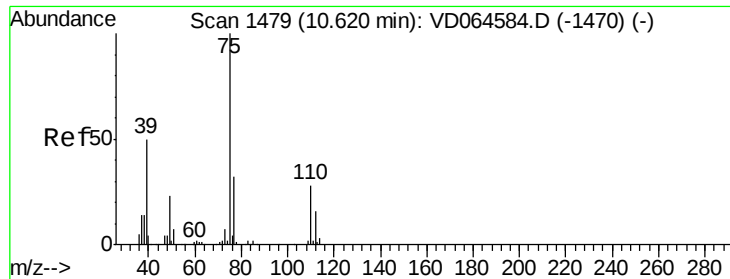
91 174.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.452 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

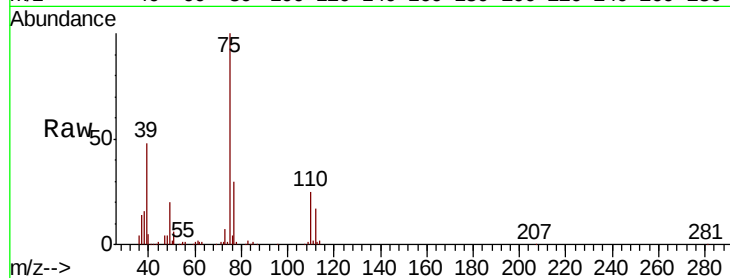
ClientSampleId :

Tot Ion: 75 Resp: 245751

Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

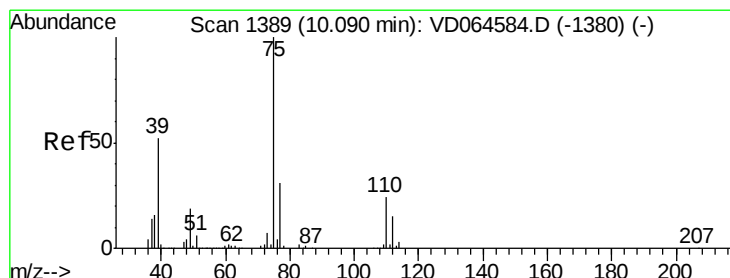
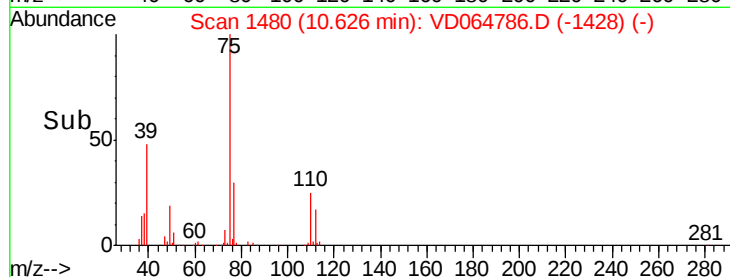
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.249 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

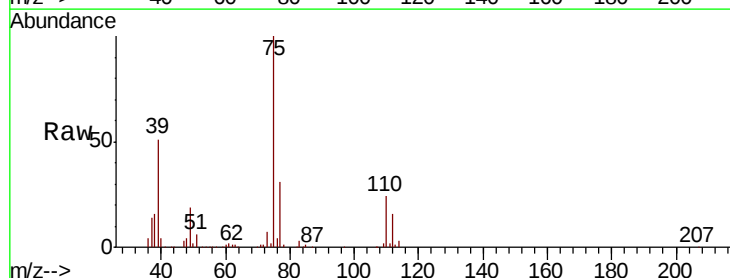
Tgt Ion: 75 Resp: 283255

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 50.5 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

200000

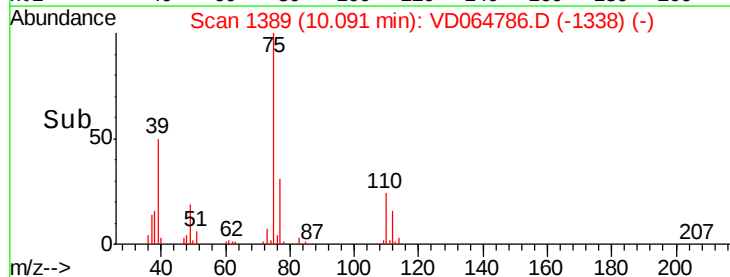
150000

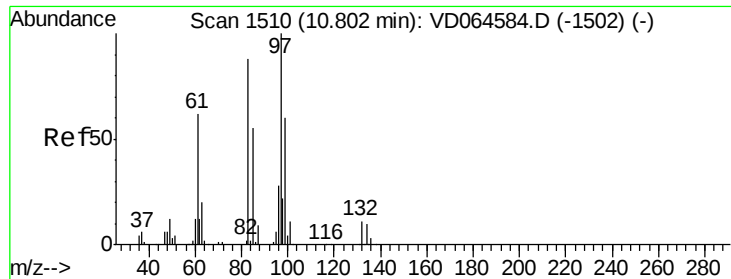
100000

50000

0

Time-->

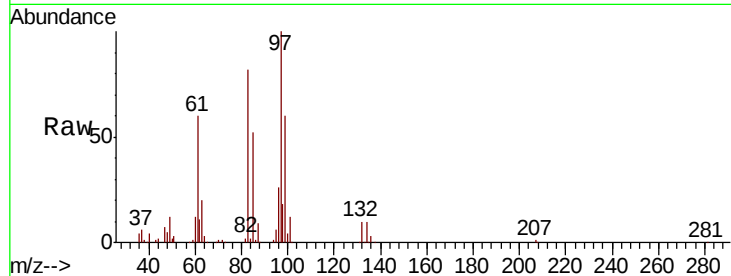




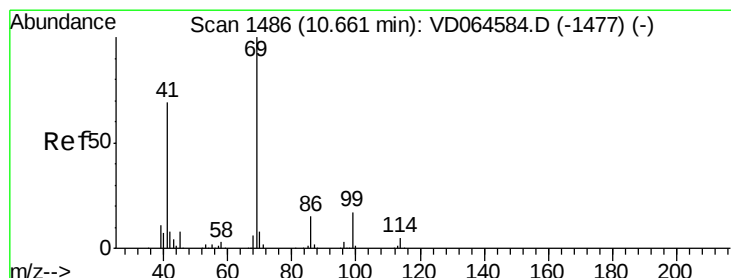
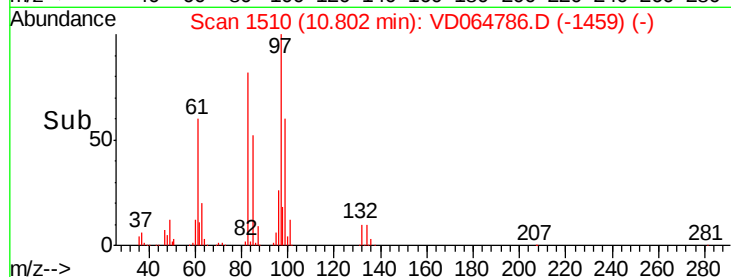
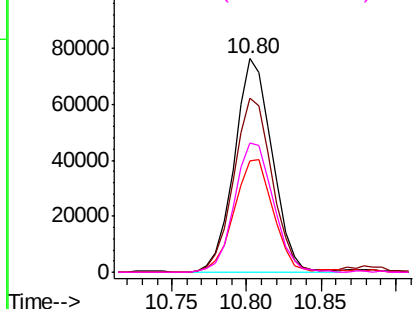
#55
 1,1,2-Trichloroethane
 Concen: 53.779 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	134316
Ion	Ratio	Lower	Upper
97	100		
83	81.5	70.2	105.4
85	52.0	44.0	66.0
99	60.3	47.8	71.6

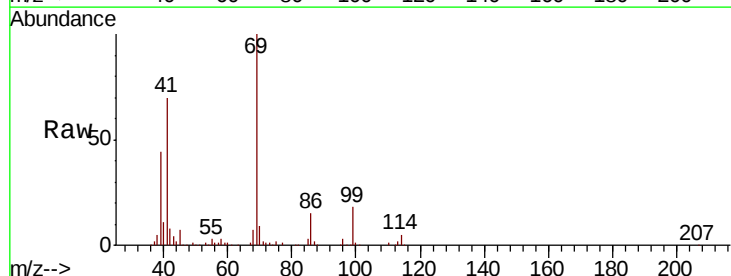


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

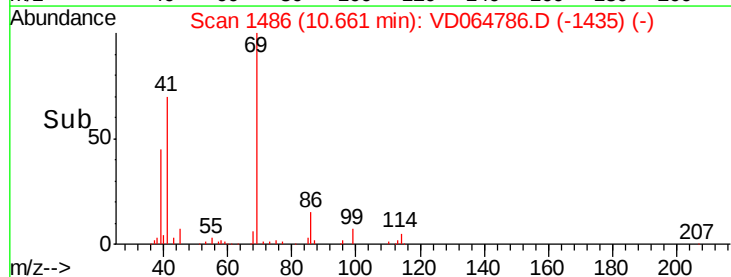
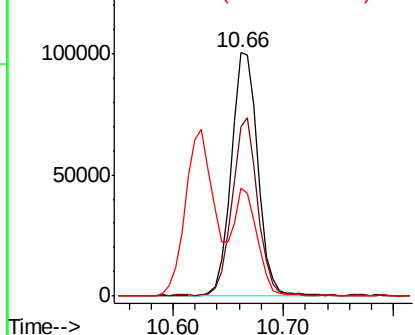


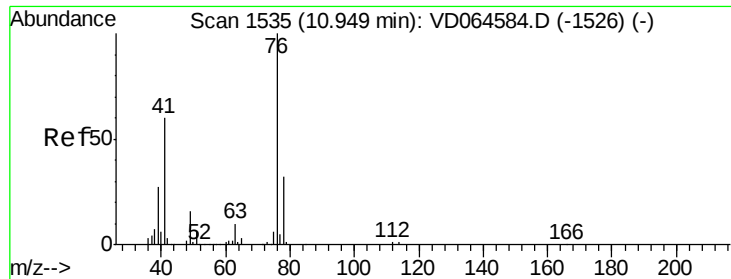
#56
 Ethyl methacrylate
 Concen: 54.558 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion:	69	Resp:	170172
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.3	82.9
39	37.4	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: 53.057 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

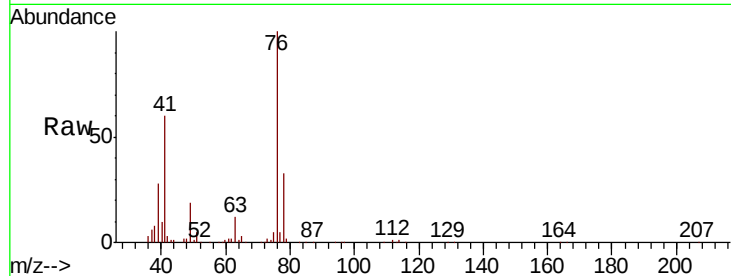
ClientSampleId :

Tot Ion: 76 Resp: 228159

Ion Ratio Lower Upper

76 100

78 32.0 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

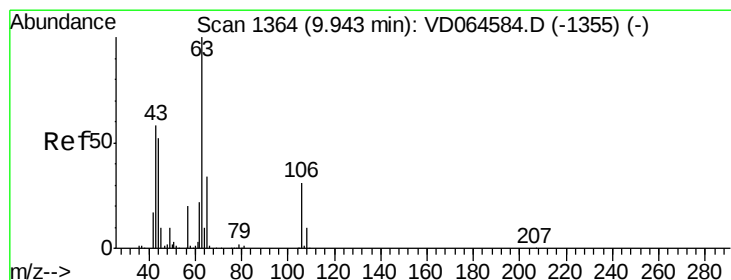
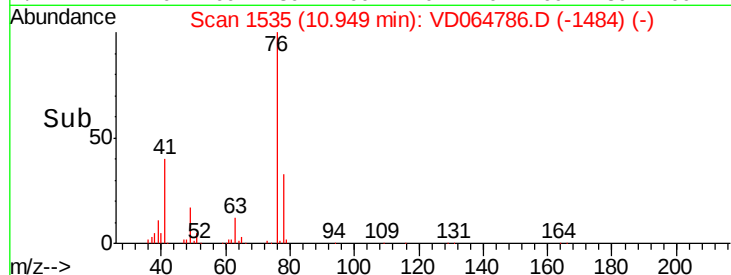
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.440 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064786.D

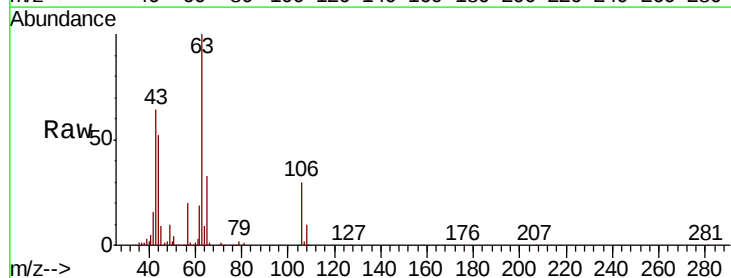
Acq: 06 Jan 2020 21:29

Tgt Ion: 63 Resp: 315436

Ion Ratio Lower Upper

63 100

106 29.3 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

200000

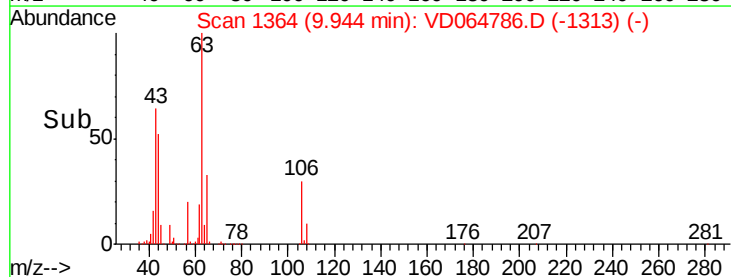
150000

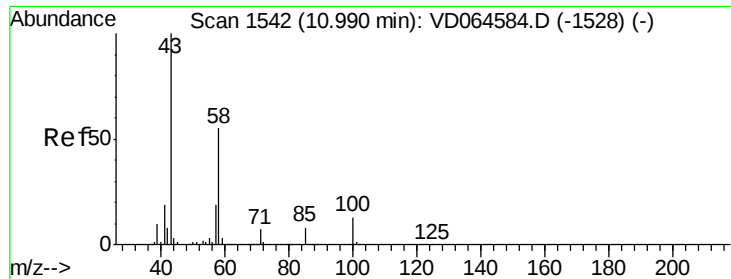
100000

50000

0

Time-->

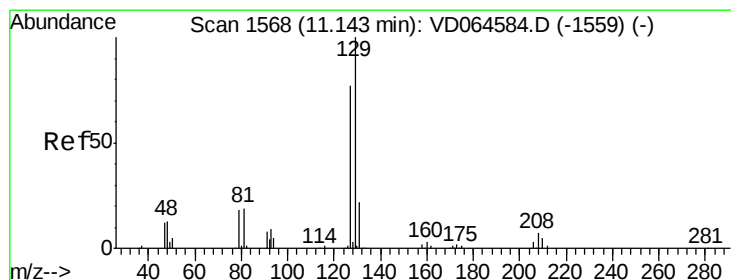
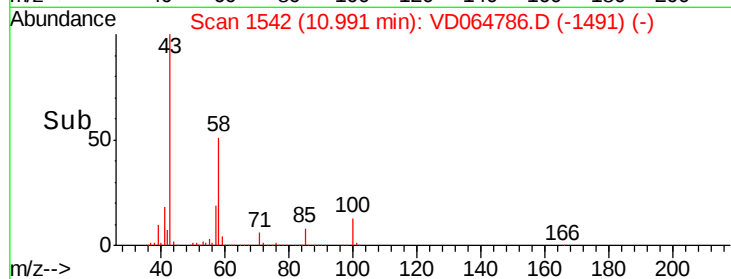
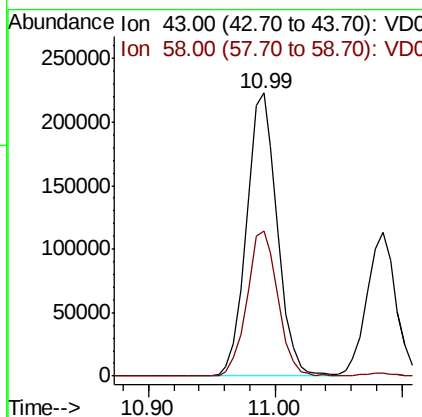
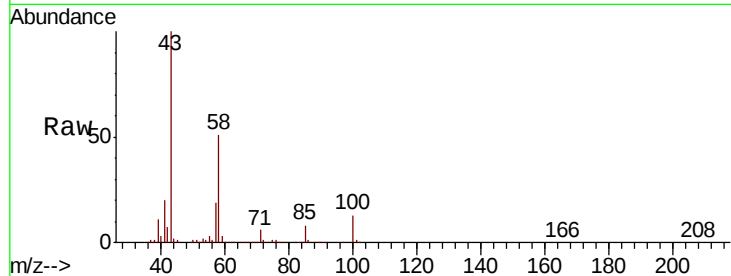




#59
2-Hexanone
Concen: 280.475 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

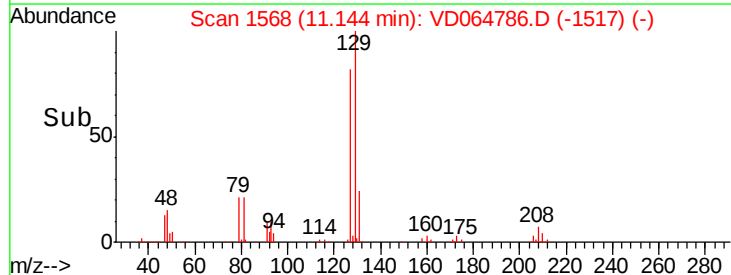
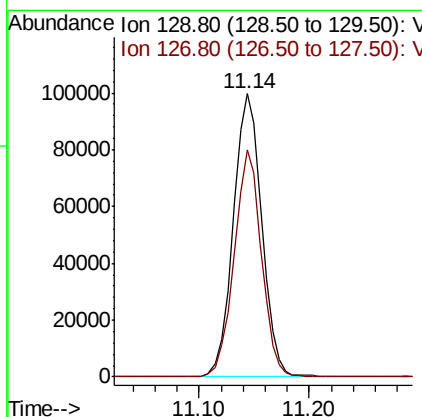
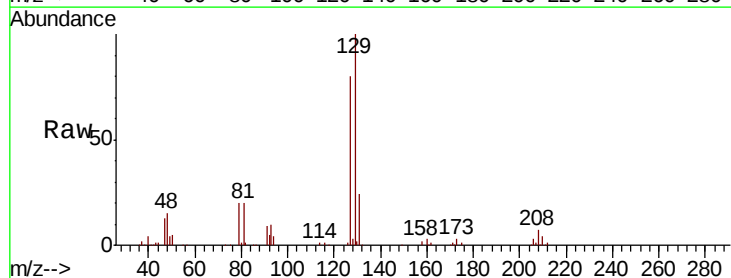
Instrument :
MSVOA_D
ClientSampleId :

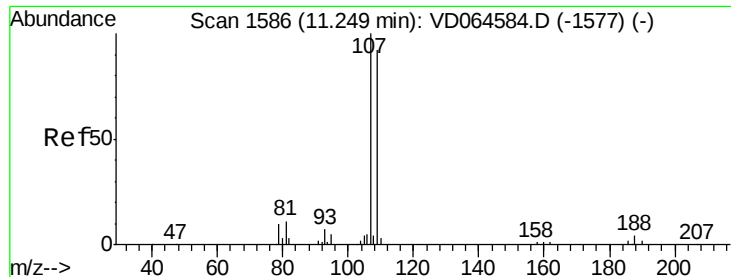
Tot Ion: 43 Resp: 375209
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 52.288 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 129 Resp: 180591
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

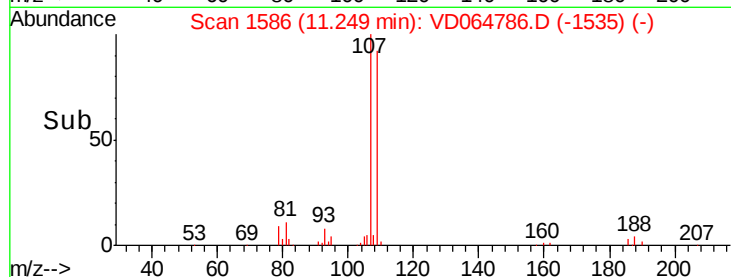
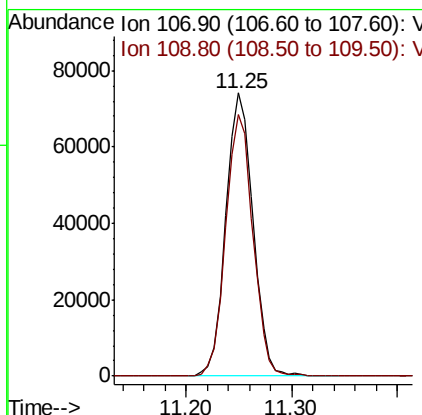
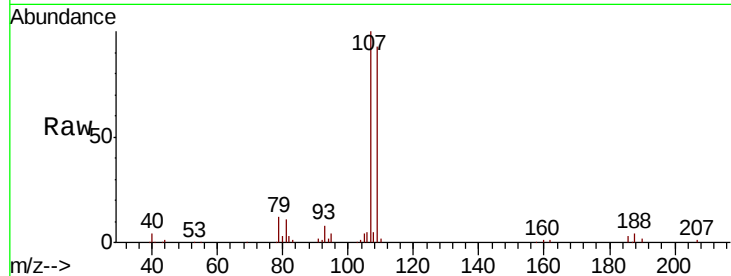




#61
 1,2-Dibromoethane
 Concen: 53.336 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

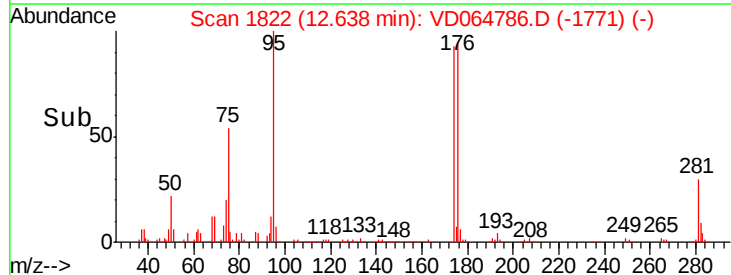
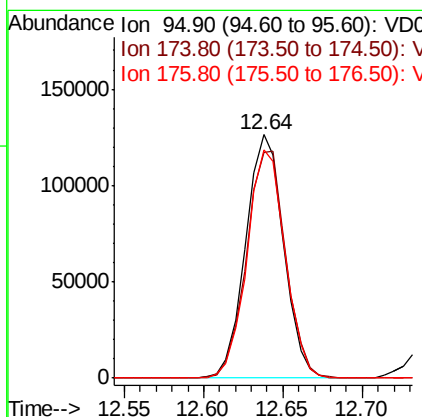
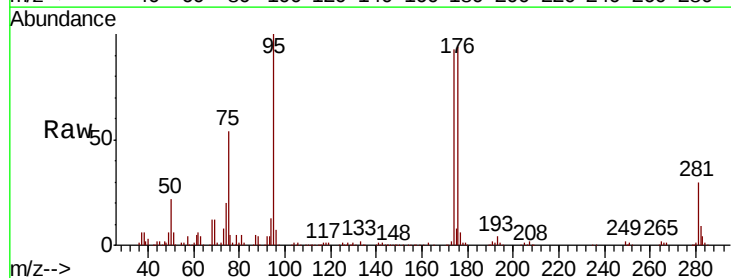
Instrument :
 MSVOA_D
 ClientSampleId :

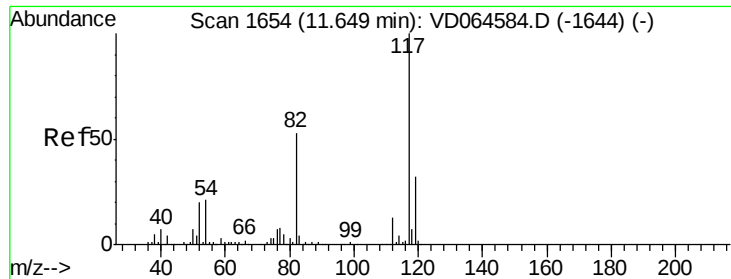
Tot Ion:107 Resp: 131387
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.275 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion: 95 Resp: 209730
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 193.2
 176 94.5 0.0 184.2

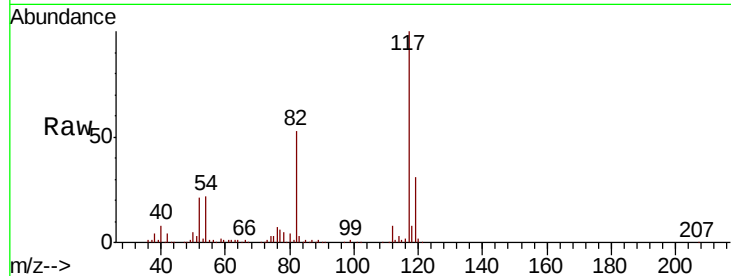




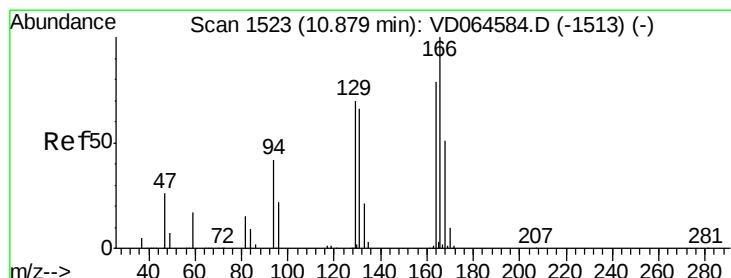
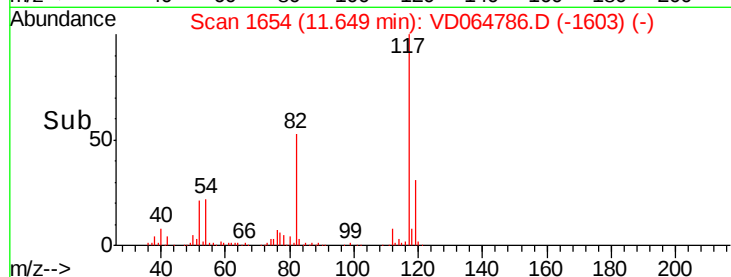
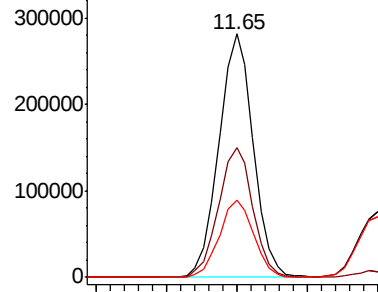
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 481021
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 31.5 26.0 39.0

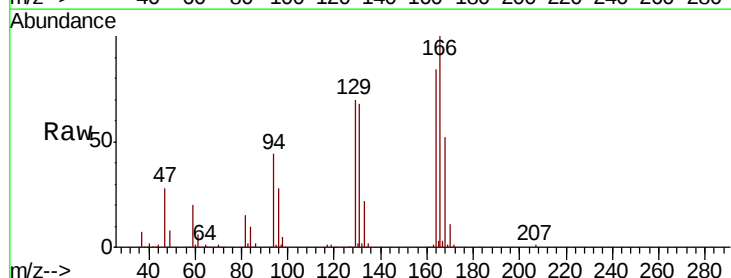


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

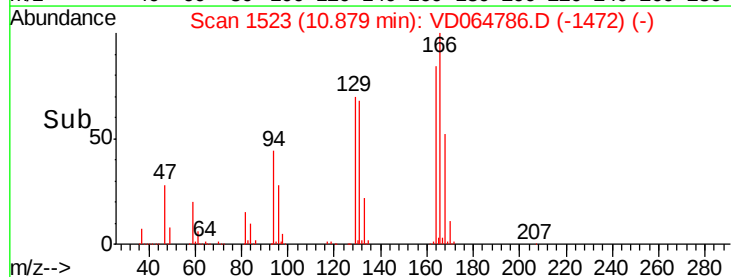
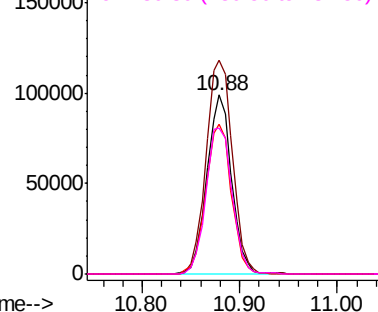


#64
Tetrachloroethene
Concen: 46.952 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion:164 Resp: 173268
Ion Ratio Lower Upper
164 100
166 119.2 101.3 151.9
129 83.7 70.5 105.7
131 81.6 66.6 99.8



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

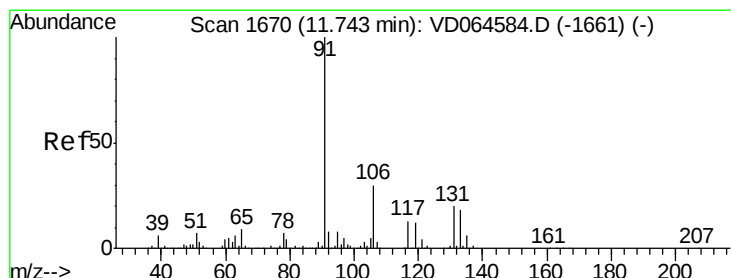
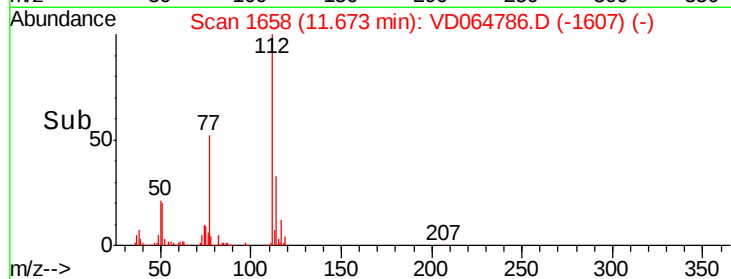
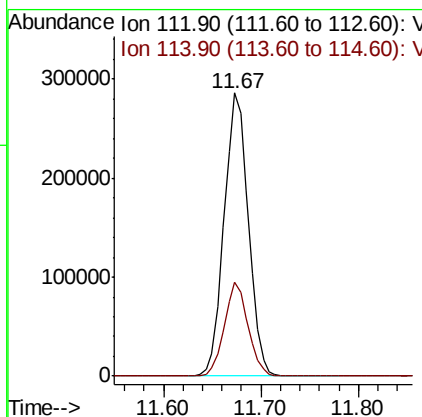
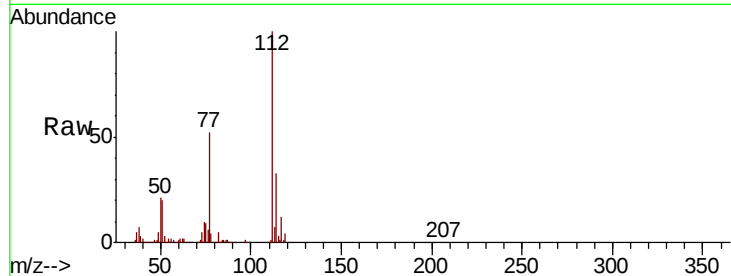




#65
Chlorobenzene
Concen: 49.327 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

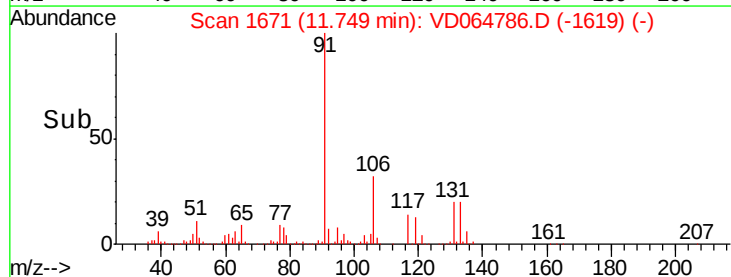
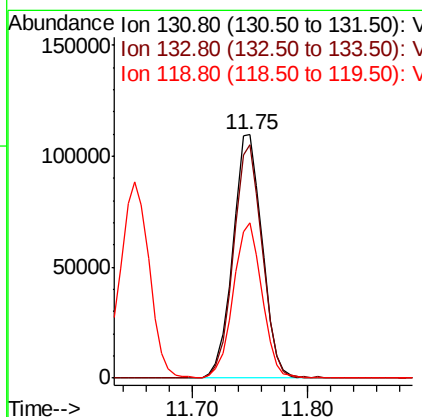
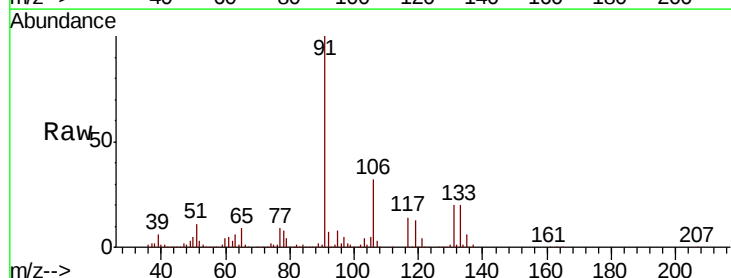
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 492459
Ion Ratio Lower Upper
112 100
114 33.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.209 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion:131 Resp: 192733
Ion Ratio Lower Upper
131 100
133 94.0 48.3 144.8
119 62.9 32.1 96.3

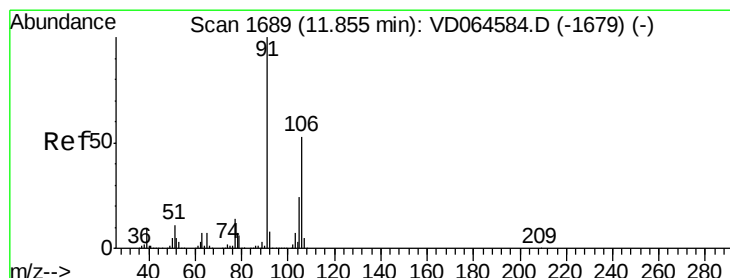
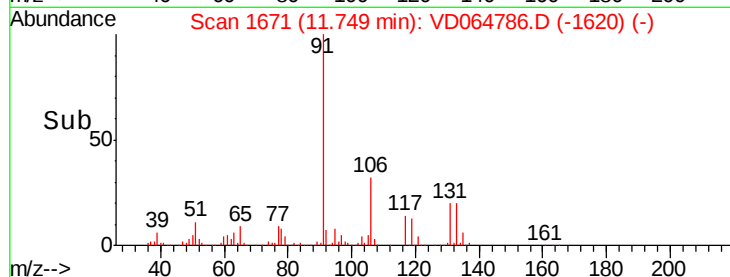
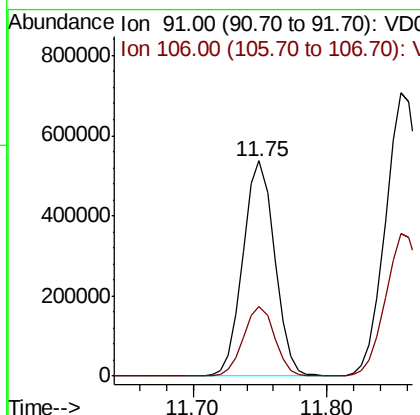
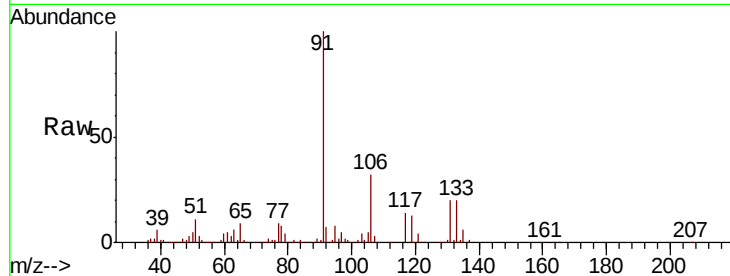




#67
Ethyl Benzene
Concen: 48.871 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

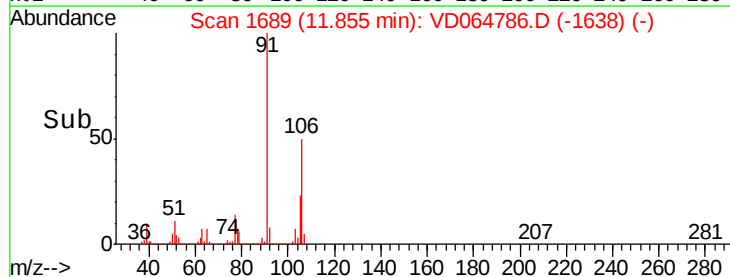
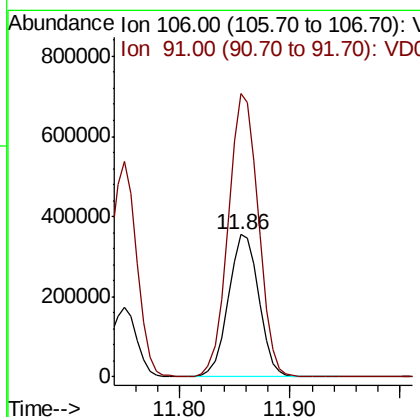
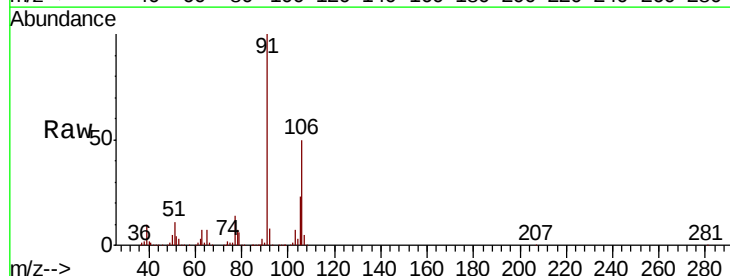
Instrument :
MSVOA_D
ClientSampled :

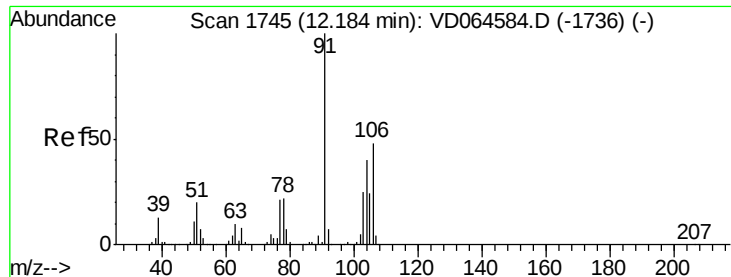
Tot Ion: 91 Resp: 885582
Ion Ratio Lower Upper
91 100
106 32.4 24.6 36.8



#68
m/p-Xylenes
Concen: 98.521 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 106 Resp: 689074
Ion Ratio Lower Upper
106 100
91 196.7 156.3 234.5

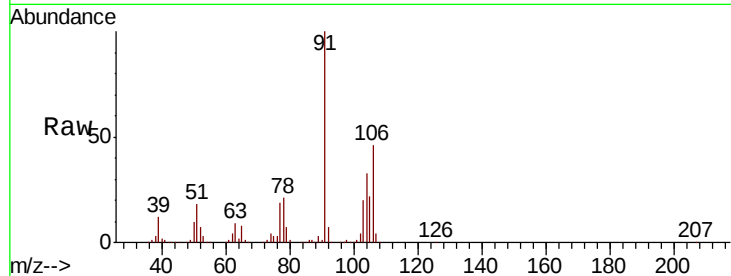




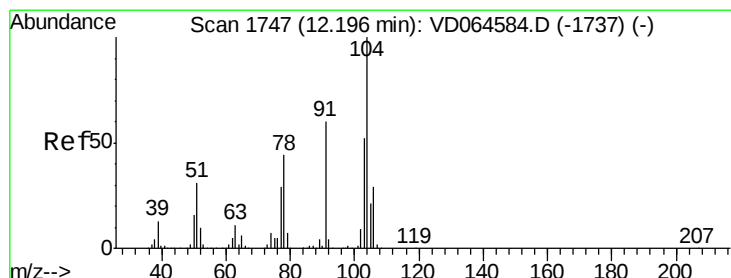
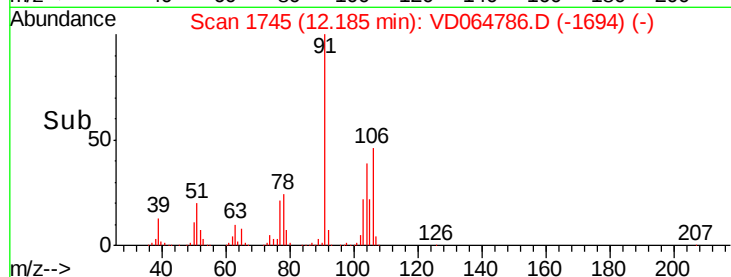
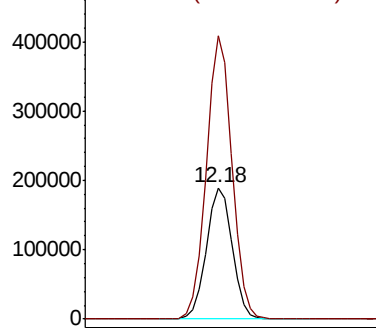
#69
o-Xylene
Concen: 49.353 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 311789
Ion Ratio Lower Upper
106 100
91 213.0 104.8 314.4

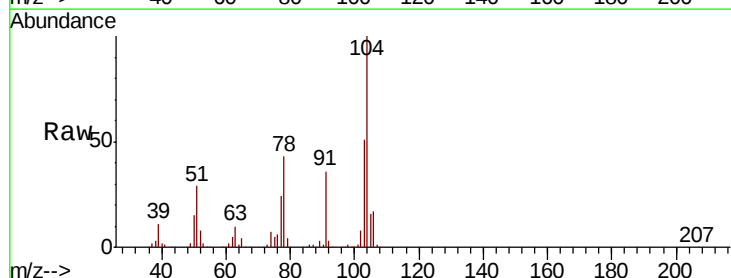


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

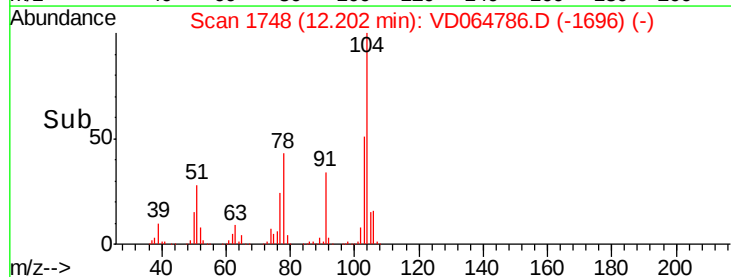
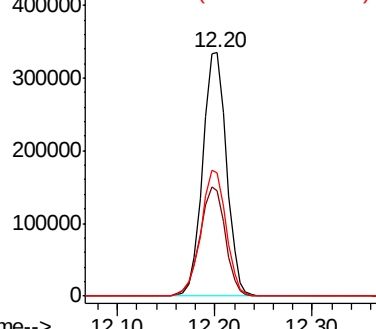


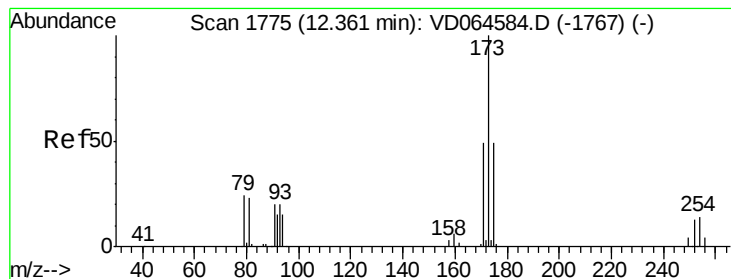
#70
Styrene
Concen: 51.293 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion:104 Resp: 568789
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.3 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: 51.954 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

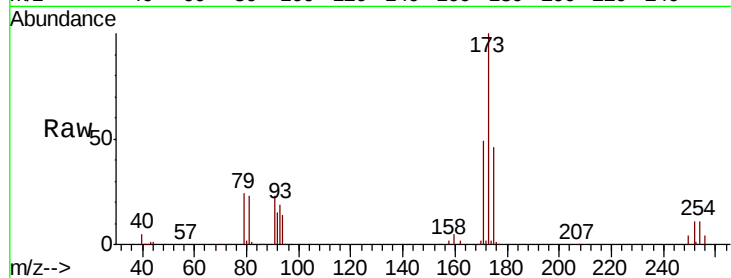
Tot Ion:173 Resp: 111510

Ion Ratio Lower Upper

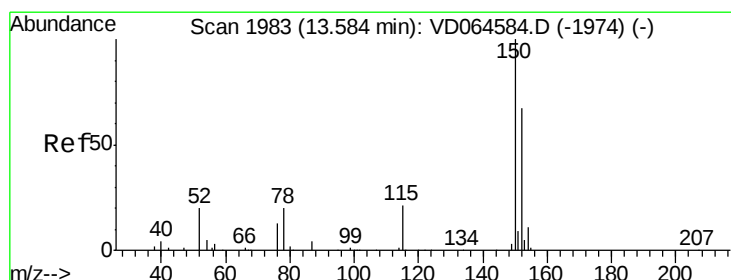
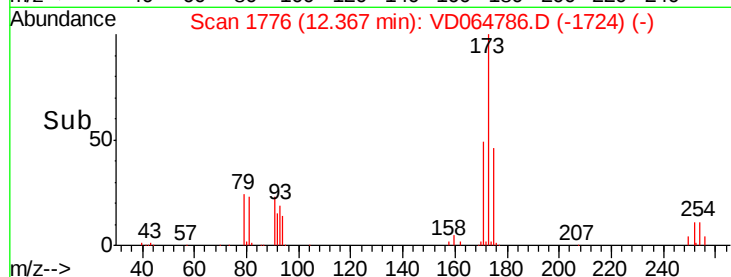
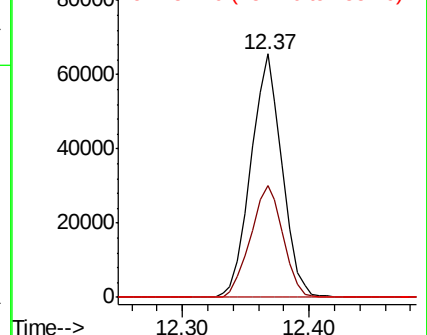
173 100

175 47.9 24.6 73.8

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

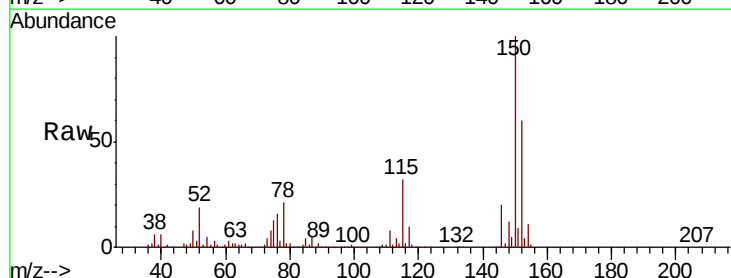
Tgt Ion:152 Resp: 244358

Ion Ratio Lower Upper

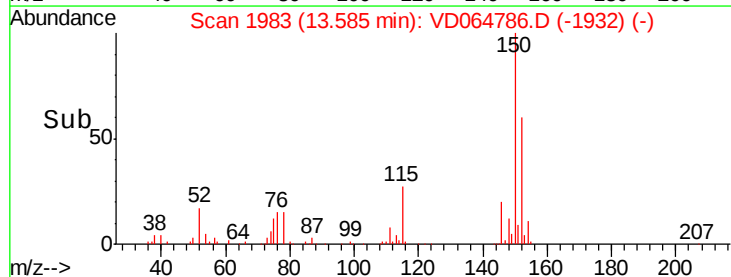
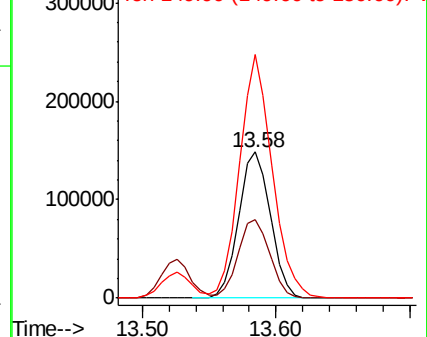
152 100

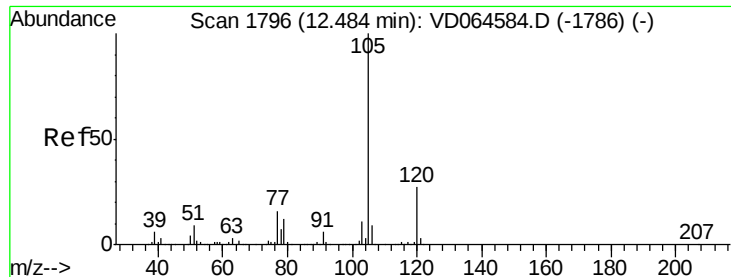
115 53.5 27.8 83.4

150 171.4 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: 47.901 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

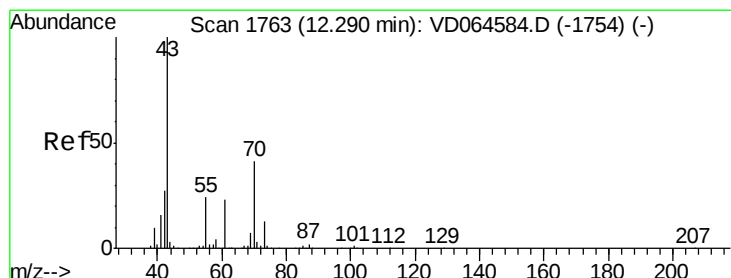
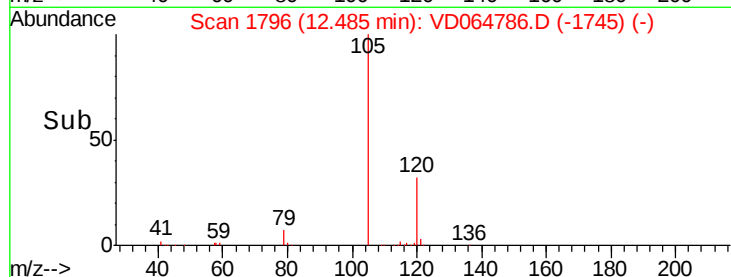
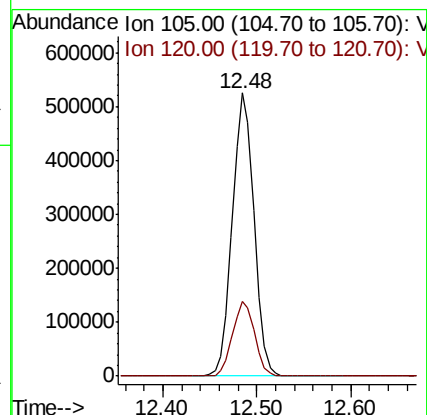
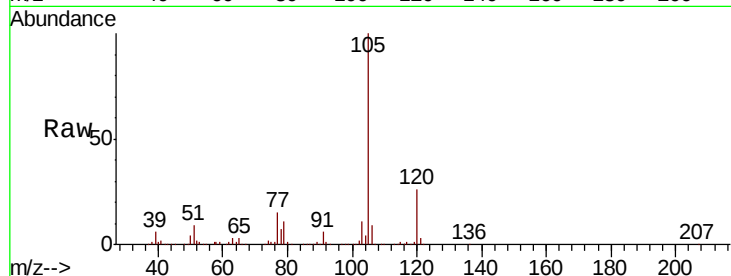
ClientSampleId :

Tot Ion:105 Resp: 836456

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



#74

N-ethyl acetate

Concen: 51.303 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Tgt Ion: 43 Resp: 191506

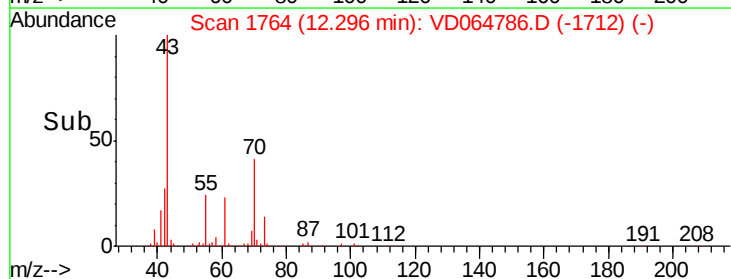
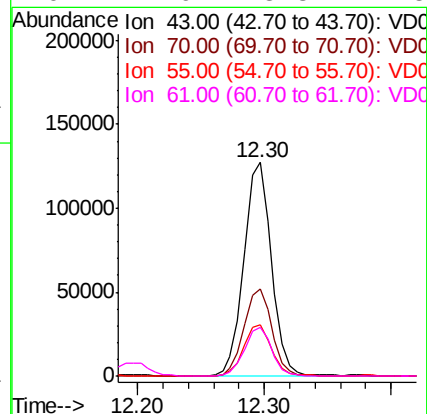
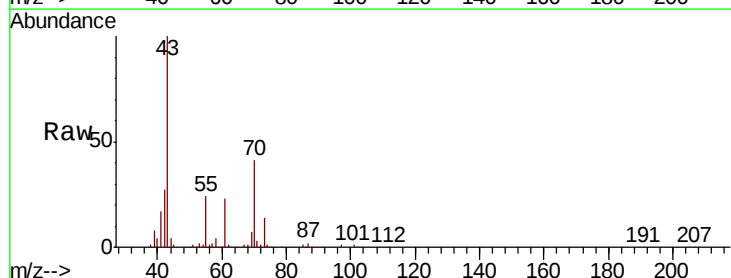
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 24.3 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.886 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampled :

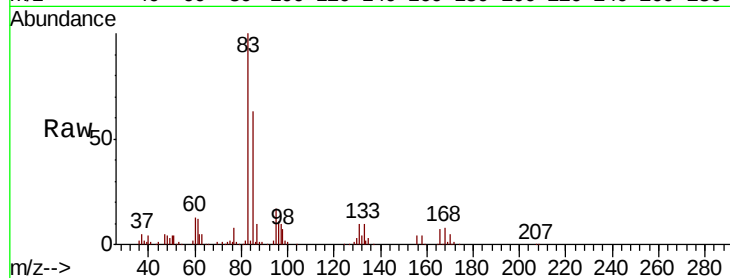
Tot Ion: 83 Resp: 142333

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.4

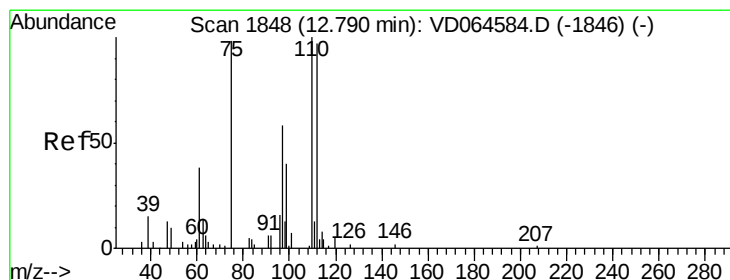
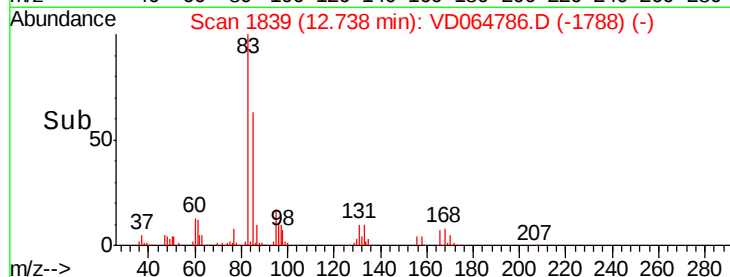
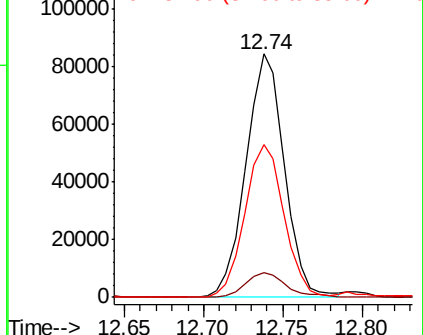
85 63.9 32.3 96.9



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: 97.738 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064786.D

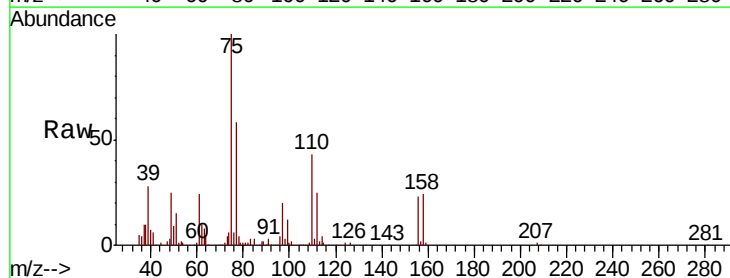
Acq: 06 Jan 2020 21:29

Tgt Ion: 75 Resp: 188596

Ion Ratio Lower Upper

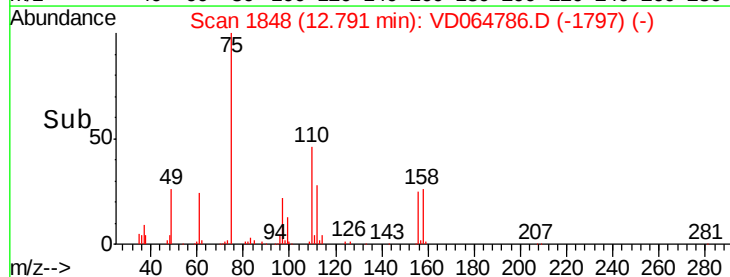
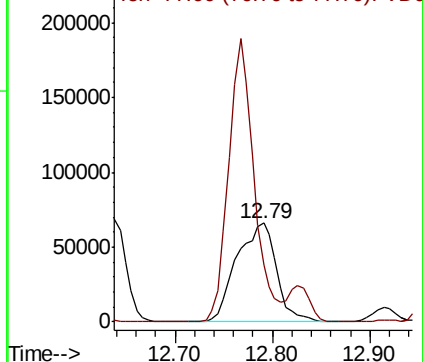
75 100

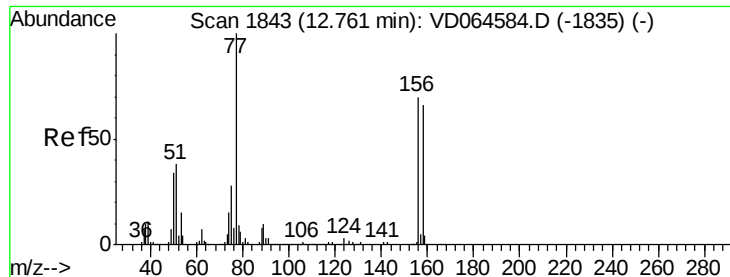
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.373 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

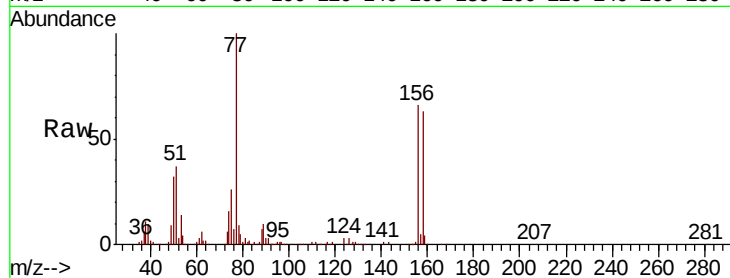
Tot Ion:156 Resp: 211846

Ion Ratio Lower Upper

156 100

77 162.4 80.9 242.7

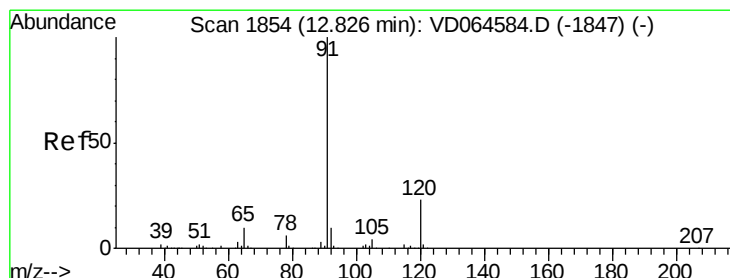
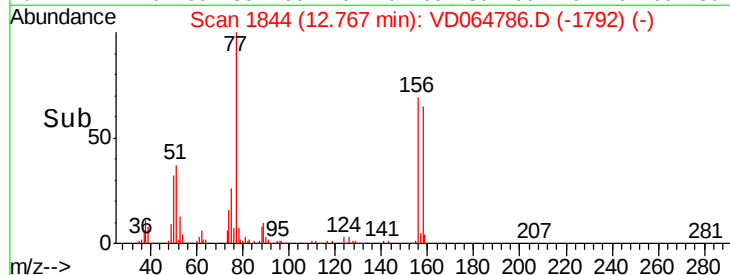
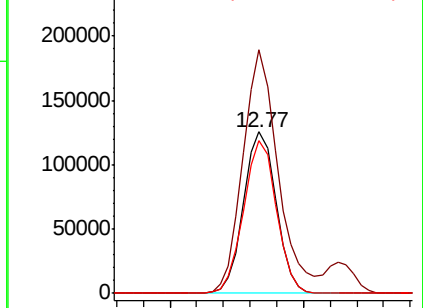
158 95.1 48.0 144.2



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: 48.513 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064786.D

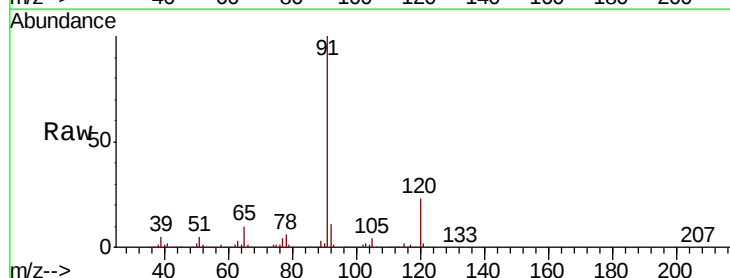
Acq: 06 Jan 2020 21:29

Tgt Ion: 91 Resp: 988313

Ion Ratio Lower Upper

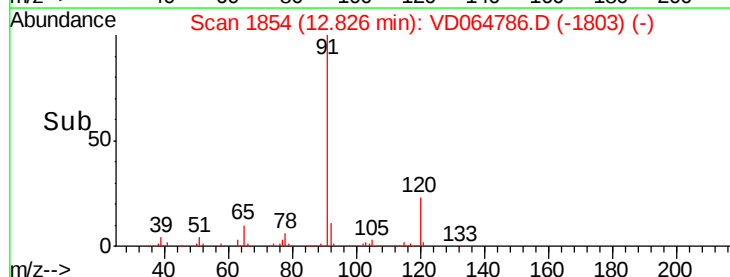
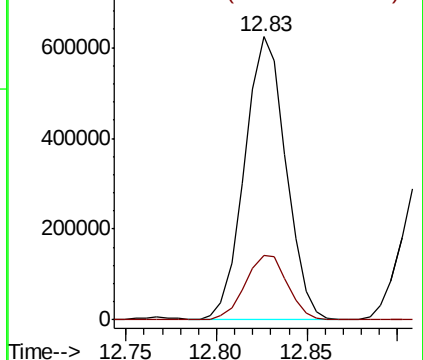
91 100

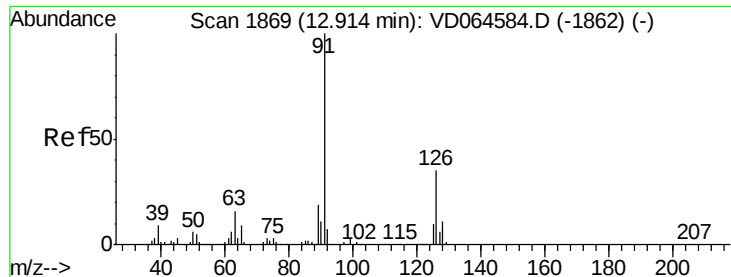
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.173 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

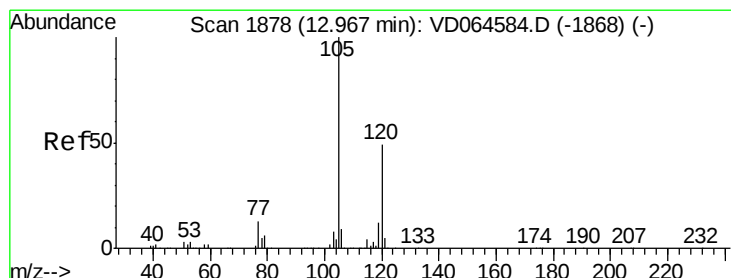
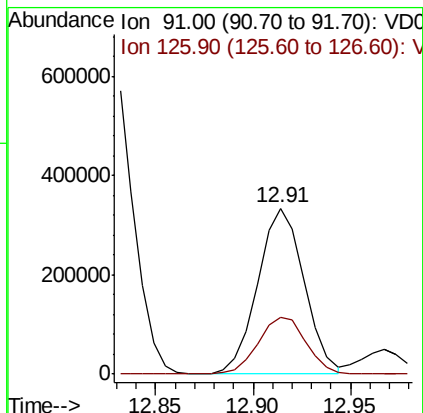
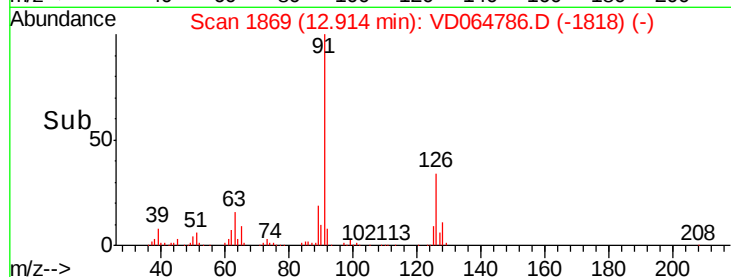
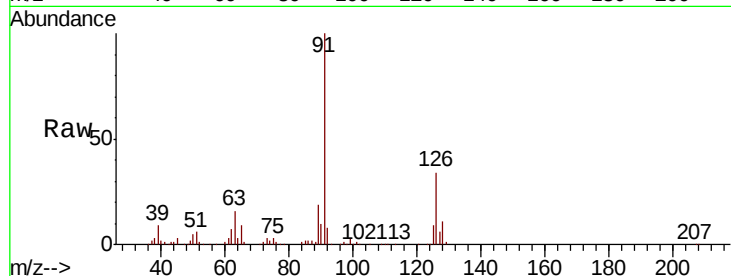
ClientSampleId :

Tot Ion: 91 Resp: 550298

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 48.552 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064786.D

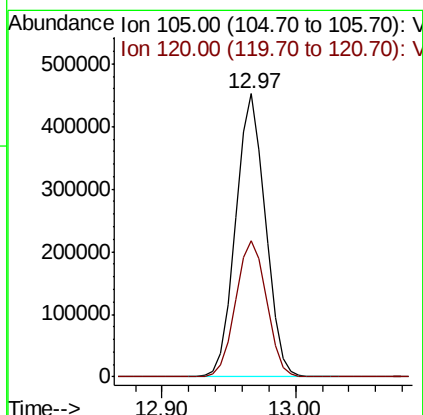
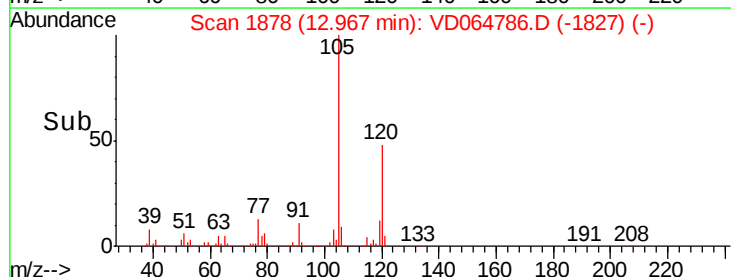
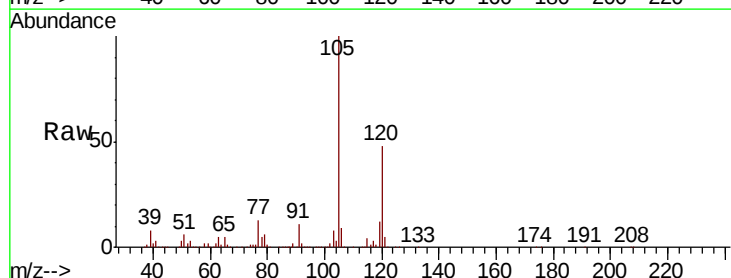
Acq: 06 Jan 2020 21:29

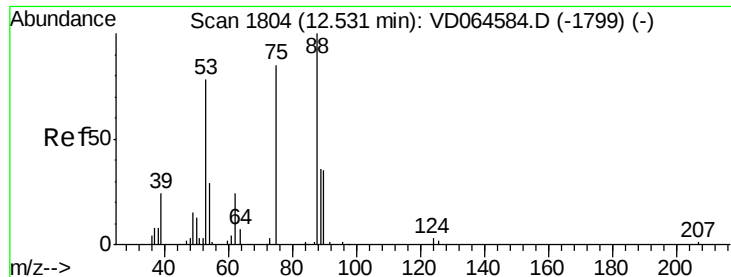
Tgt Ion: 105 Resp: 696459

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.229 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

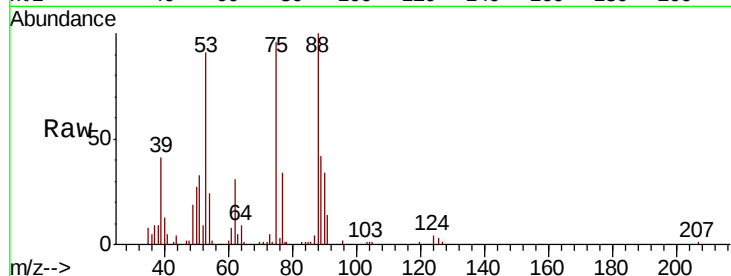
Tot Ion: 75 Resp: 48187

Ion Ratio Lower Upper

75 100

53 96.3 78.8 118.2

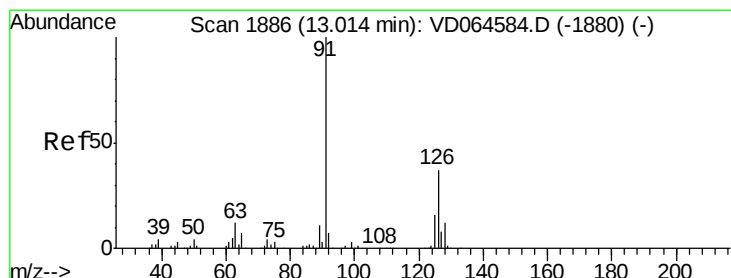
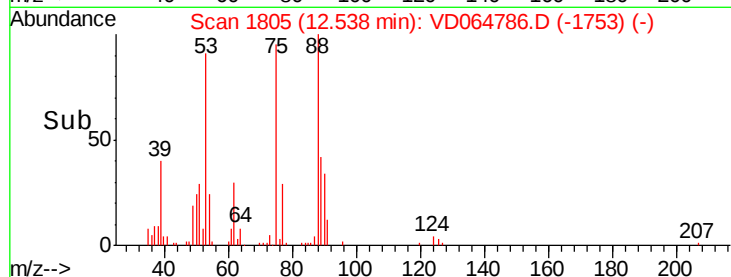
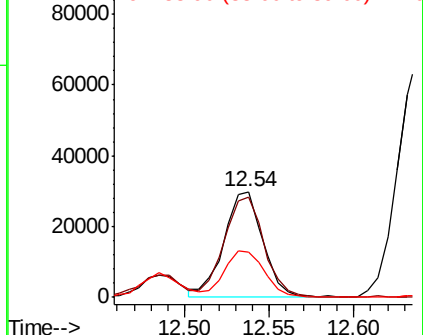
89 45.3 38.3 57.5



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: 49.023 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064786.D

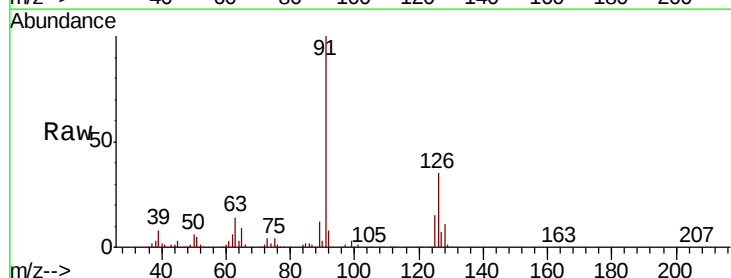
Acq: 06 Jan 2020 21:29

Tgt Ion: 91 Resp: 583845

Ion Ratio Lower Upper

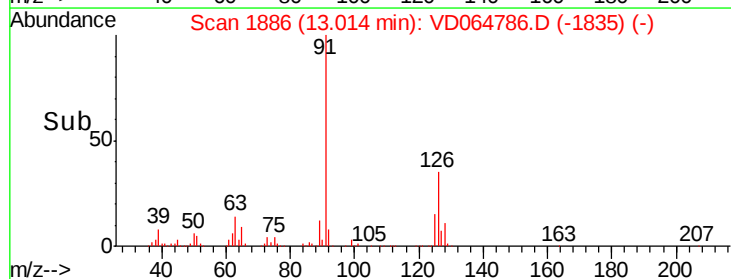
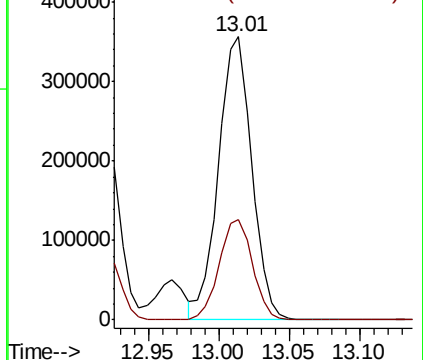
91 100

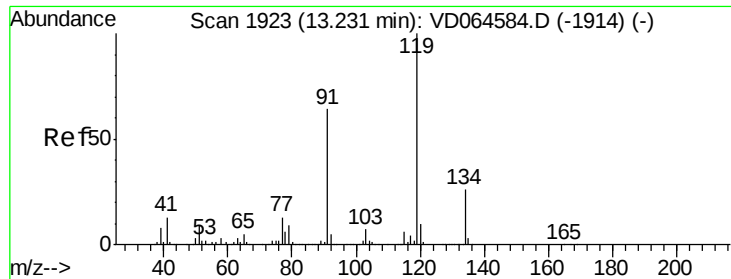
126 35.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.458 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064786.D

Acq: 06 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampled :

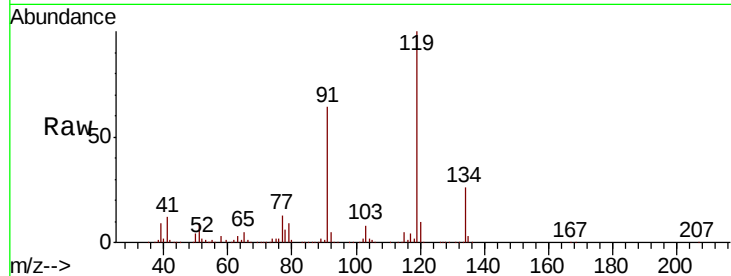
Tot Ion:119 Resp: 591069

Ion Ratio Lower Upper

119 100

91 64.4 30.8 92.4

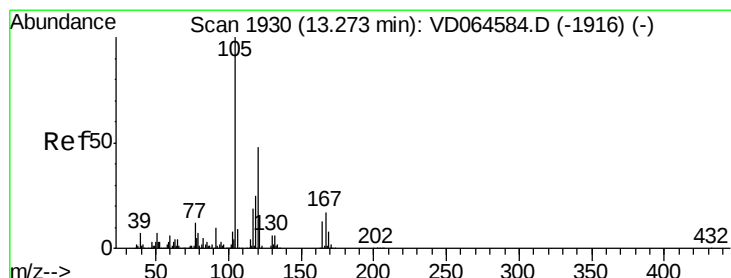
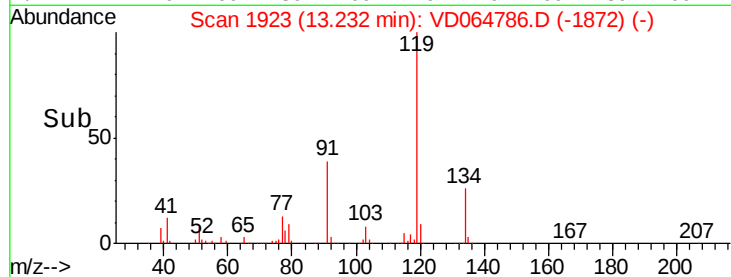
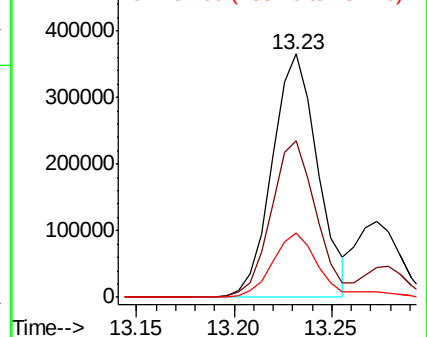
134 27.6 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.228 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD064786.D

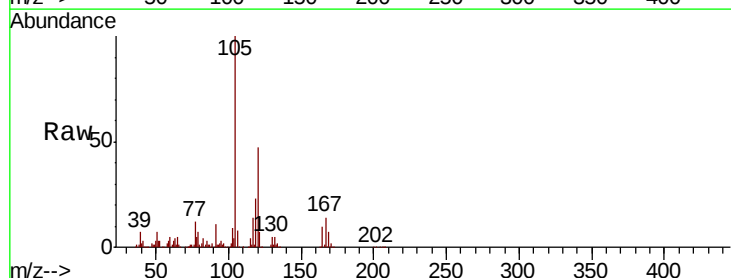
Acq: 06 Jan 2020 21:29

Tgt Ion:105 Resp: 703279

Ion Ratio Lower Upper

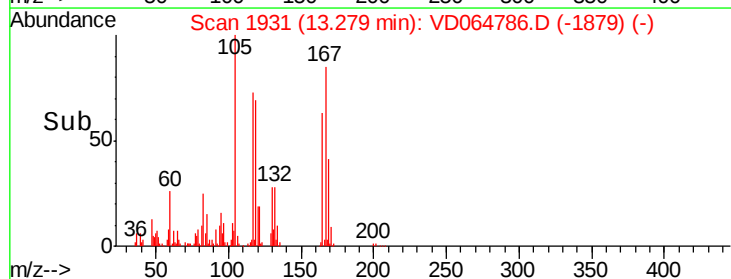
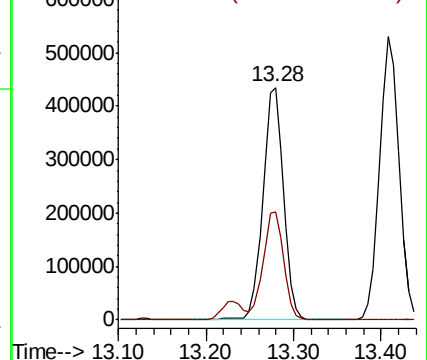
105 100

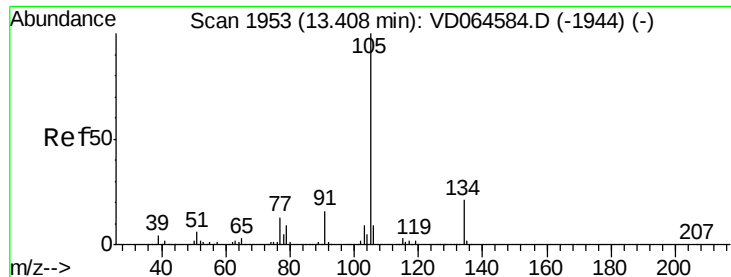
120 46.0 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

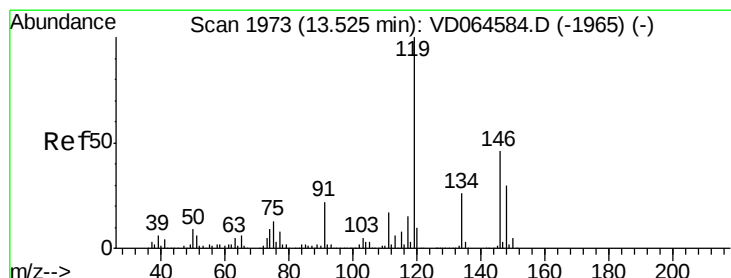
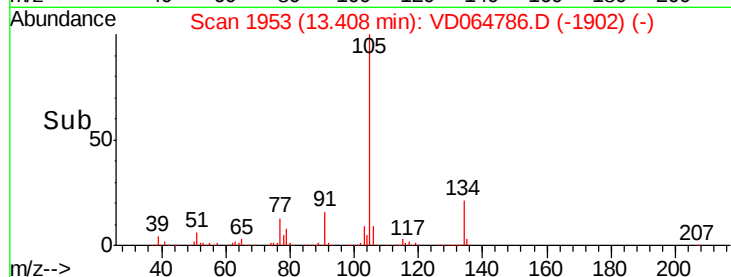
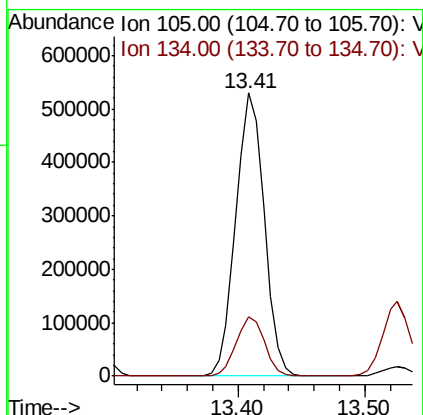
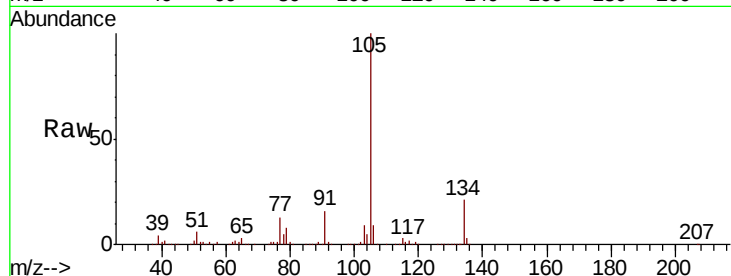




#85
 sec-Butylbenzene
 Concen: 48.282 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

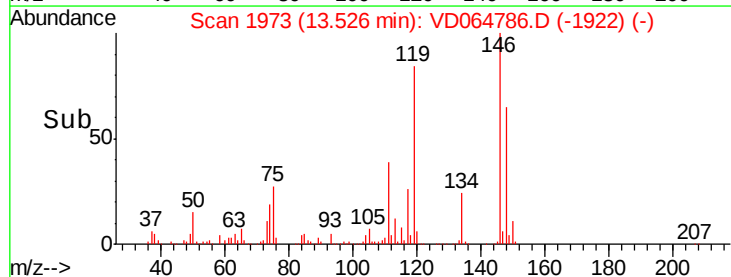
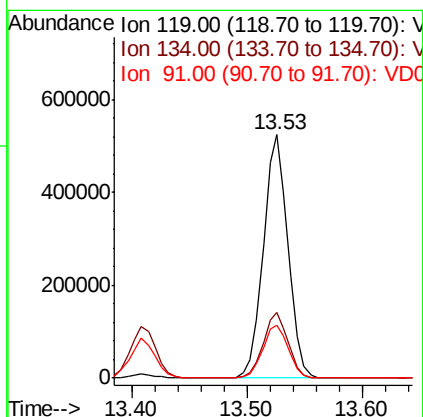
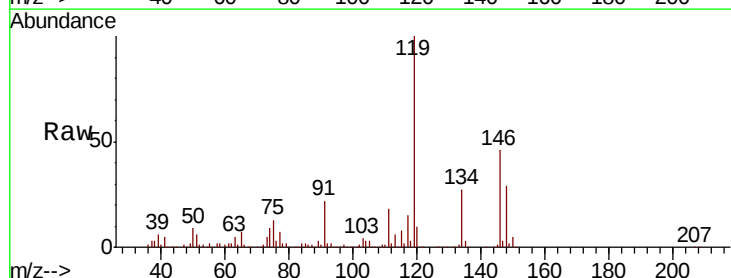
Instrument :
 MSVOA_D
 ClientSampleId :

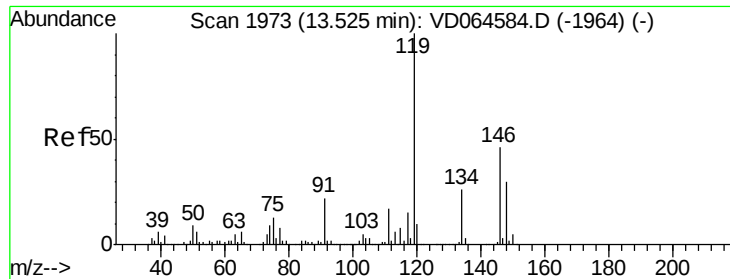
Tot Ion:105 Resp: 824402
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 47.583 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion:119 Resp: 776860
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.1
 91 22.7 11.2 33.6

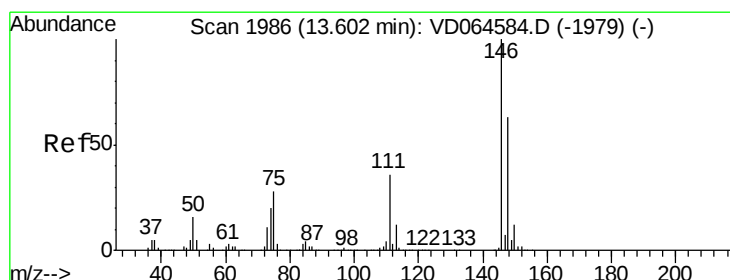
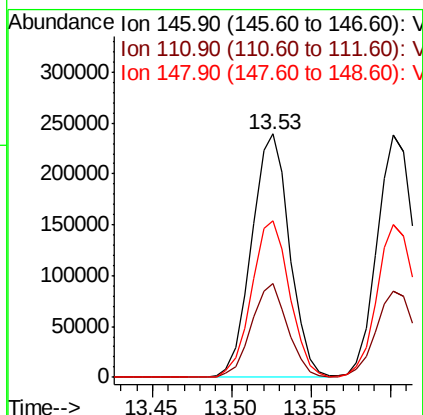
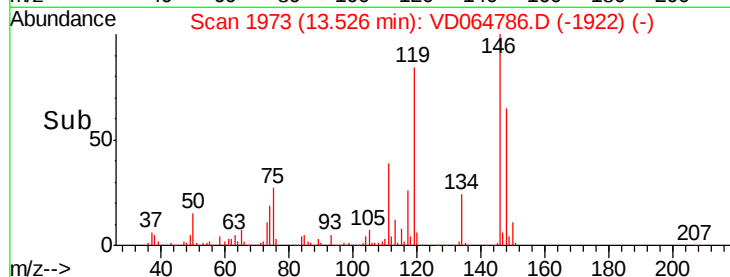
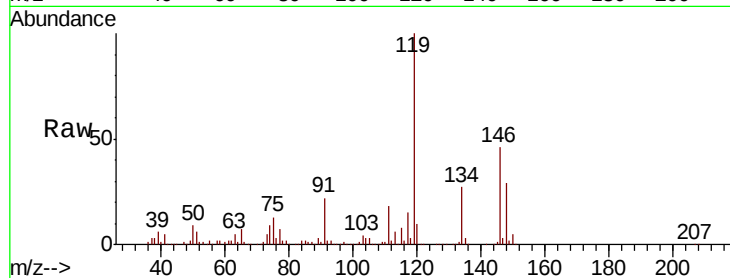




#87
 1,3-Dichlorobenzene
 Concen: 48.741 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

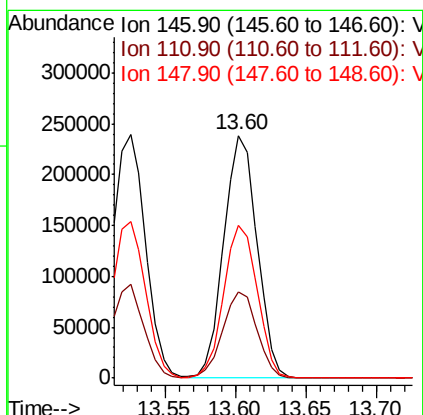
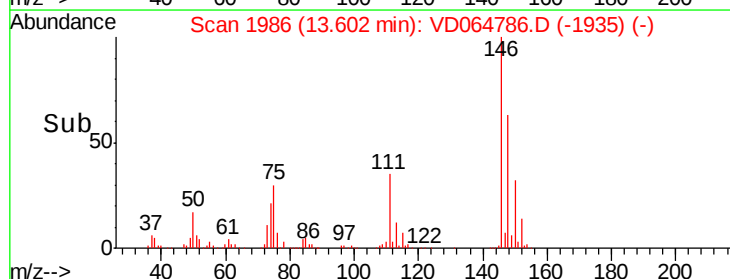
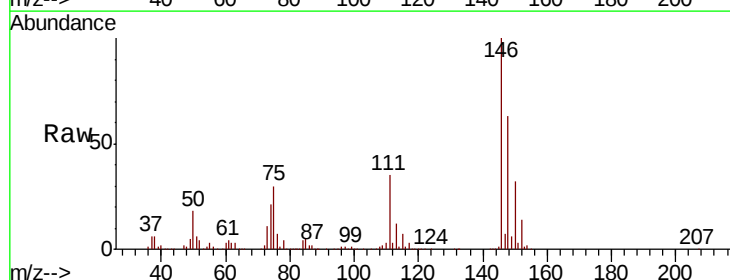
Instrument :
 MSVOA_D
 ClientSampleId :

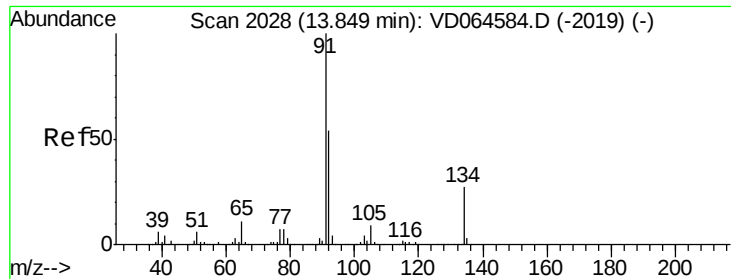
Tot Ion:146 Resp: 398686
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 64.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.688 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion:146 Resp: 391230
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.1
 148 63.7 32.3 96.9

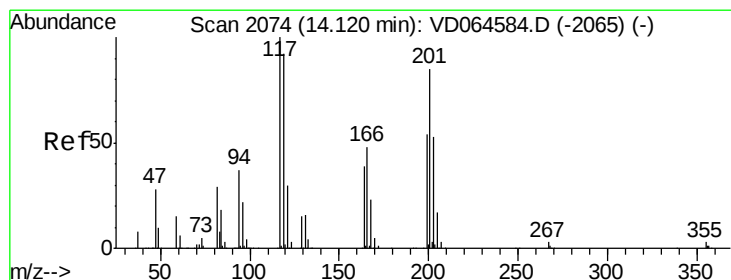
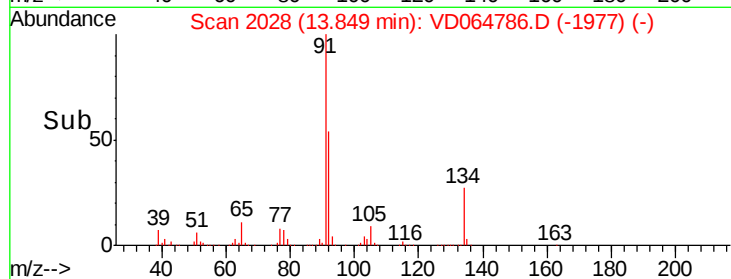
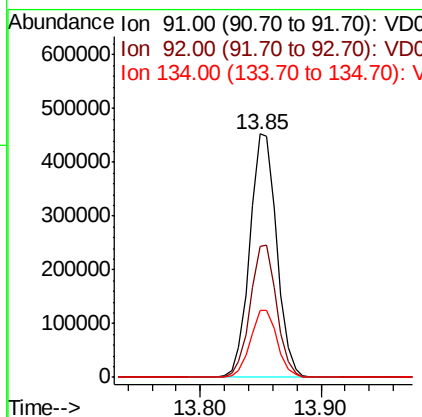
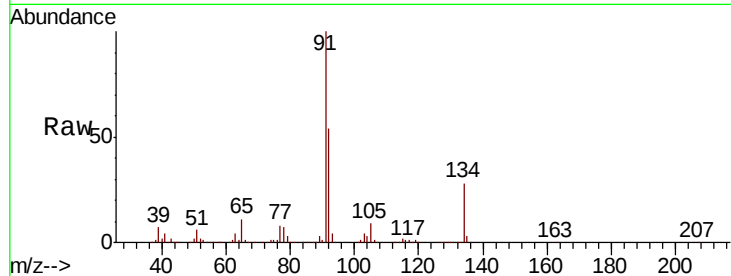




#89
n-Butylbenzene
Concen: 47.787 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

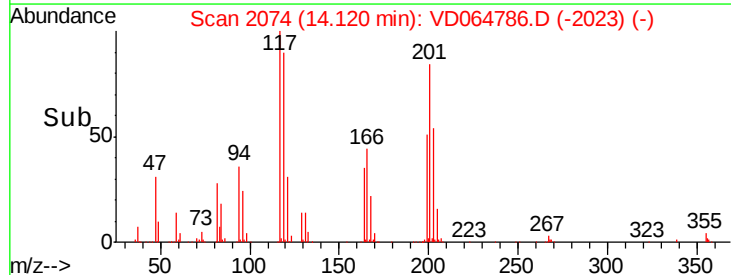
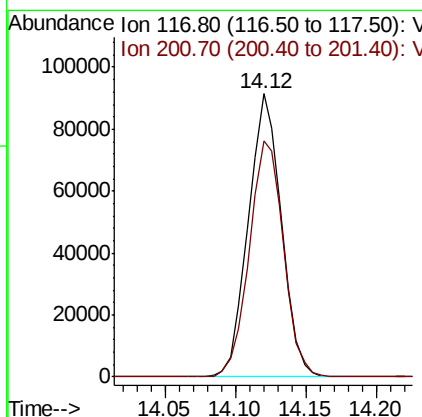
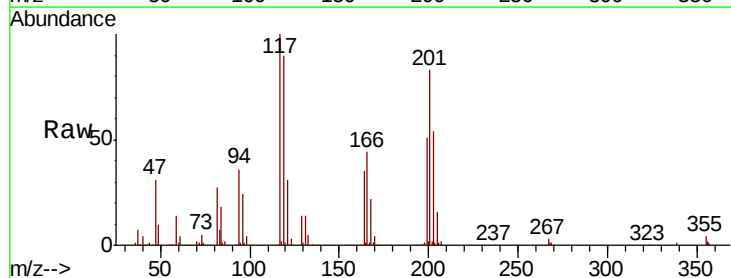
Instrument :
MSVOA_D
ClientSampled :

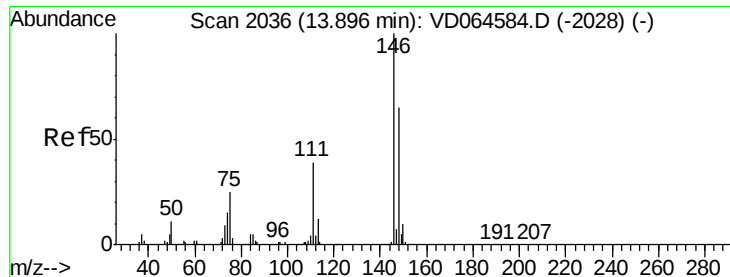
Tot Ion: 91 Resp: 702601
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 48.214 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion: 117 Resp: 150365
Ion Ratio Lower Upper
117 100
201 86.1 44.0 131.8

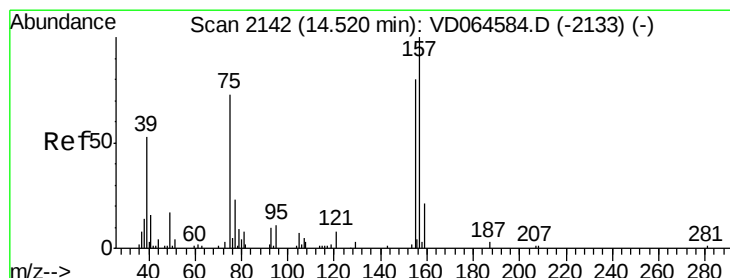
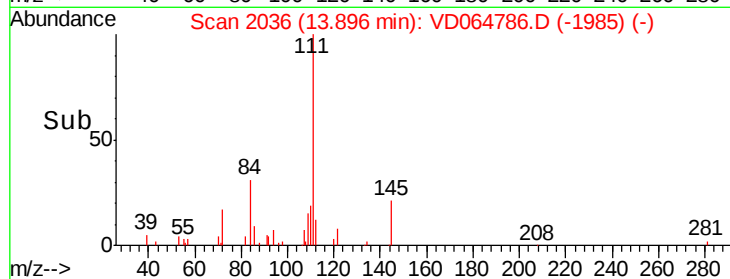
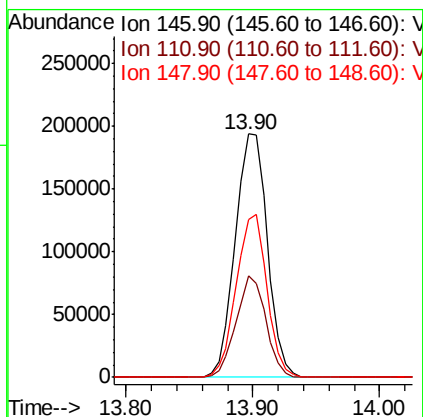
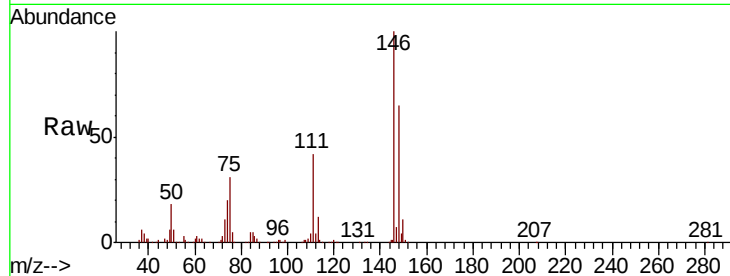




#91
 1,2-Dichlorobenzene
 Concen: 48.791 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

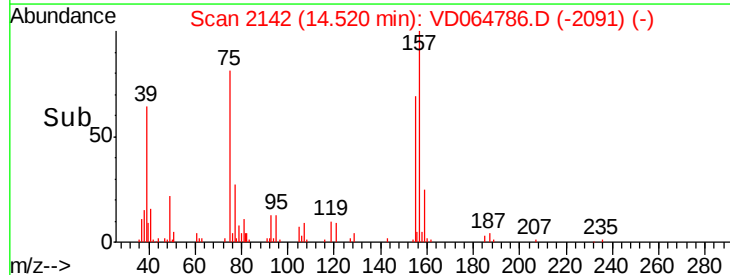
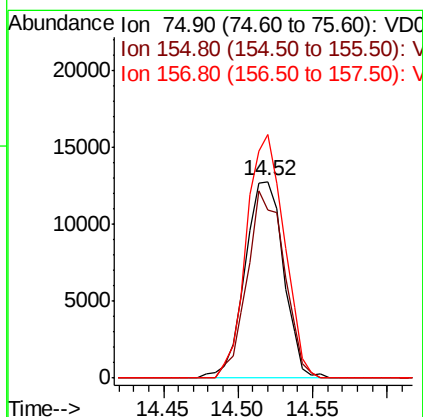
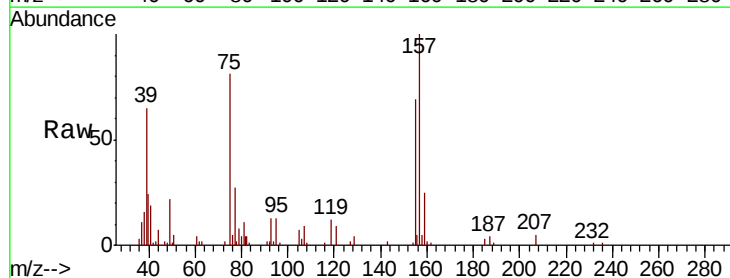
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.217 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	48.0	144.0
157	120.7	64.1	192.3

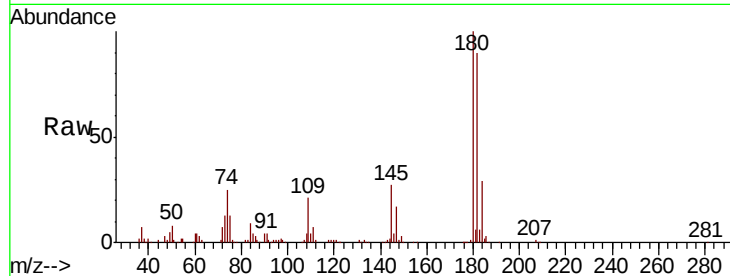




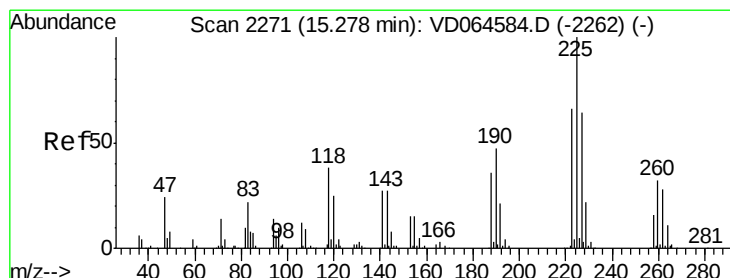
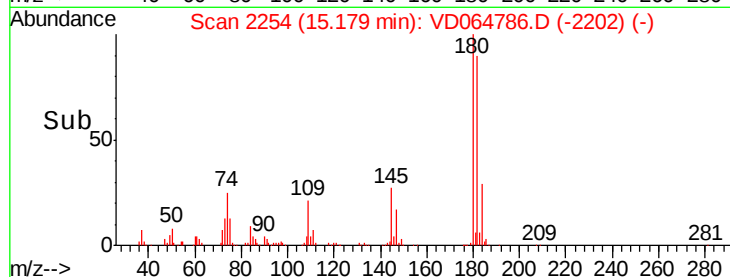
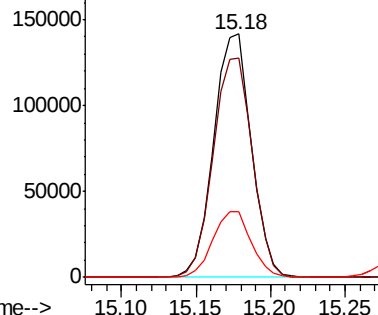
#93
 1,2,4-Trichlorobenzene
 Concen: 48.061 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 246823
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.2
 145 27.6 13.8 41.4

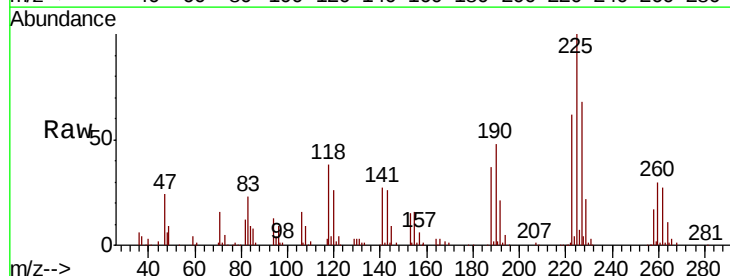


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

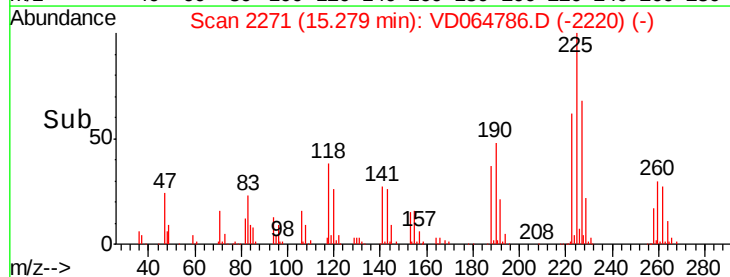
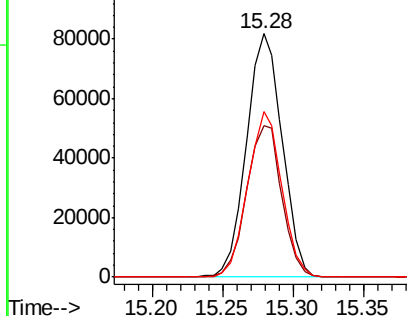


#94
 Hexachlorobutadiene
 Concen: 44.865 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064786.D
 Acq: 06 Jan 2020 21:29

Tgt Ion:225 Resp: 144990
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.1 93.2
 227 64.7 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

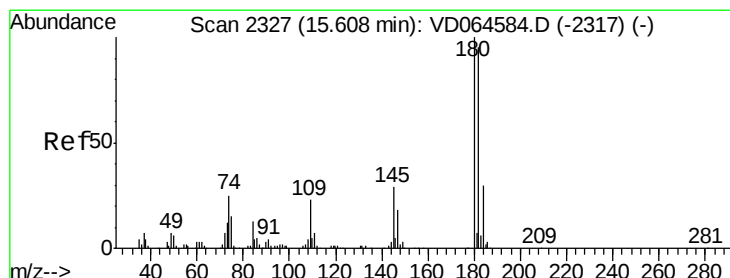
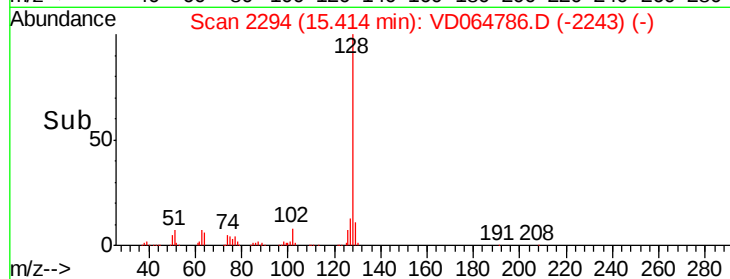
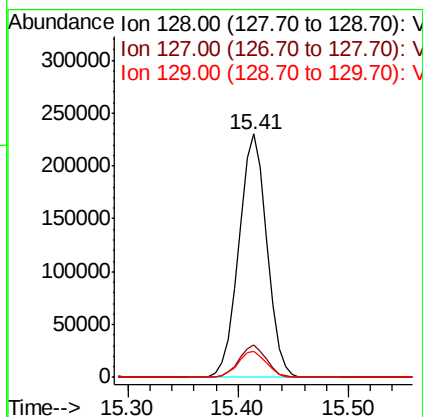
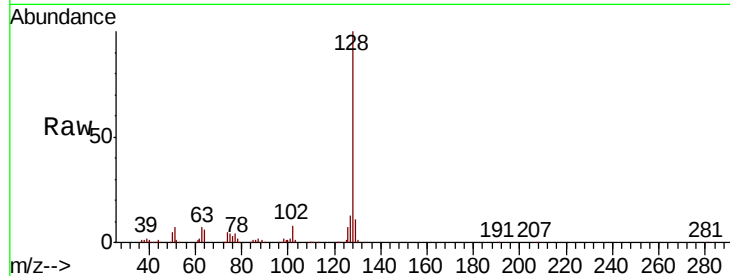




#95
Naphthalene
Concen: 50.539 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 410608
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.909 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064786.D
Acq: 06 Jan 2020 21:29

Tgt Ion:180 Resp: 210048
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 30.2 14.9 44.7

