

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064788.D
 Acq On : 07 Jan 2020 12:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:35:21 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	360344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	525071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173478	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	7.91	113	172871	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.34	98	661460	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.64	95	208908	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124385	44.417	ug/l	98
3) Chloromethane	2.21	50	188843	48.217	ug/l	100
4) Vinyl Chloride	2.35	62	224933	47.103	ug/l	98
5) Bromomethane	2.77	94	159467	45.928	ug/l	97
6) Chloroethane	2.92	64	155819	48.698	ug/l	98
7) Trichlorofluoromethane	3.27	101	370851	46.123	ug/l	98
8) Diethyl Ether	3.70	74	77662	48.640	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	157090	47.175	ug/l	99
10) Methyl Iodide	4.29	142	188087	52.584	ug/l	98
11) Tert butyl alcohol	5.24	59	48682	267.334	ug/l	96
12) 1,1-Dichloroethene	4.06	96	153569	48.441	ug/l	99
13) Acrolein	3.92	56	55779	219.787	ug/l	99
14) Allyl chloride	4.70	41	258146	52.226	ug/l	99
15) Acrylonitrile	5.43	53	169971	255.569	ug/l	99
16) Acetone	4.16	43	195967	299.365	ug/l	94
17) Carbon Disulfide	4.40	76	470365	45.885	ug/l	97
18) Methyl Acetate	4.72	43	87389	48.851	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	362355	51.459	ug/l	94
20) Methylene Chloride	4.96	84	177376	55.079	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	183176	50.735	ug/l	98
22) Diisopropyl ether	6.36	45	523530	53.102	ug/l	98
23) Vinyl Acetate	6.30	43	1474510	263.655	ug/l	100
24) 1,1-Dichloroethane	6.26	63	313287	52.933	ug/l	98
25) 2-Butanone	7.21	43	235302	269.406	ug/l	100
26) 2,2-Dichloropropane	7.20	77	287689	52.280	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	203898	52.329	ug/l	99
28) Bromochloromethane	7.54	49	123559	53.704	ug/l	99
29) Tetrahydrofuran	7.57	42	134735	248.061	ug/l	98
30) Chloroform	7.71	83	332526	53.550	ug/l	95
31) Cyclohexane	7.98	56	264169	44.589	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	298629	51.201	ug/l	98
36) 1,1-Dichloropropene	8.11	75	249940	49.456	ug/l	99
37) Ethyl Acetate	7.29	43	95065	47.882	ug/l	98
38) Carbon Tetrachloride	8.09	117	275110	51.052	ug/l	97

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 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)
39) Methylcyclohexane	9.36	83	285739	46.681	ug/l	97
40) Benzene	8.35	78	708002	51.318	ug/l	97
41) Methacrylonitrile	7.53	41	45548	39.541	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	208457	52.287	ug/l	99
43) Isopropyl Acetate	8.46	43	191767	48.527	ug/l	98
44) Trichloroethene	9.11	130	201369	49.685	ug/l	98
45) 1,2-Dichloropropane	9.38	63	172482	52.362	ug/l	97
46) Dibromomethane	9.48	93	92872	50.569	ug/l	100
47) Bromodichloromethane	9.66	83	253668	51.907	ug/l	98
48) Methyl methacrylate	9.46	41	90009	48.374	ug/l	92
49) 1,4-Dioxane	9.47	88	19821	935.986	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	486985	249.318	ug/l	100
52) Toluene	10.40	92	462969	51.149	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	238137	52.266	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	280999	52.304	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	124947	50.483	ug/l	95
56) Ethyl methacrylate	10.66	69	155320	50.248	ug/l	99
57) 1,3-Dichloropropane	10.95	76	219240	51.446	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	258318	219.349	ug/l	98
59) 2-Hexanone	10.98	43	354999	267.778	ug/l	99
60) Dibromochloromethane	11.14	129	173544	50.704	ug/l	99
61) 1,2-Dibromoethane	11.25	107	122441	50.156	ug/l	99
64) Tetrachloroethene	10.87	164	172446	48.442	ug/l	98
65) Chlorobenzene	11.67	112	491972	51.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	187321	51.596	ug/l	99
67) Ethyl Benzene	11.75	91	885612	50.664	ug/l	95
68) m/p-Xylenes	11.85	106	693868	102.842	ug/l	99
69) o-Xylene	12.18	106	308280	50.586	ug/l	99
70) Styrene	12.20	104	552049	51.608	ug/l	99
71) Bromoform	12.37	173	101682	49.112	ug/l	98
73) Isopropylbenzene	12.48	105	848909	51.546	ug/l	100
74) N-amyl acetate	12.29	43	173535	49.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	127982	49.469	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	178344	98.001	ug/l #	100
77) Bromobenzene	12.77	156	208107	51.427	ug/l	98
78) n-propylbenzene	12.83	91	991626	51.612	ug/l	100
79) 2-Chlorotoluene	12.91	91	542160	51.368	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	703612	52.010	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	45029	51.751	ug/l	97
82) 4-Chlorotoluene	13.01	91	571273	50.861	ug/l	100
83) tert-Butylbenzene	13.23	119	598049	50.915	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	702751	52.159	ug/l	98
85) sec-Butylbenzene	13.41	105	824260	51.186	ug/l	99
86) p-Isopropyltoluene	13.53	119	788137	51.186	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	391832	50.793	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	383138	50.558	ug/l	99
89) n-Butylbenzene	13.85	91	714025	51.494	ug/l	99
90) Hexachloroethane	14.12	117	152328	51.790	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	326331	49.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19668	46.896	ug/l	98

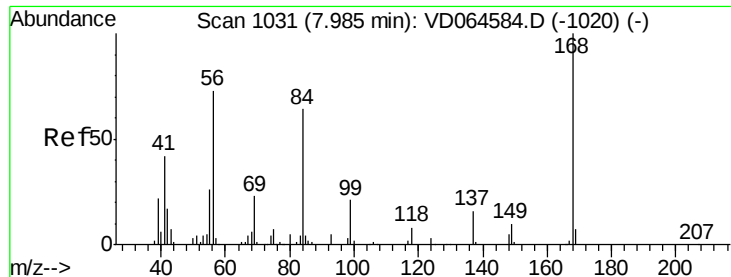
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	237567	49.049	ug/l	100
94) Hexachlorobutadiene	15.28	225	144391	47.375	ug/l	98
95) Naphthalene	15.41	128	379736	49.559	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	204441	49.443	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

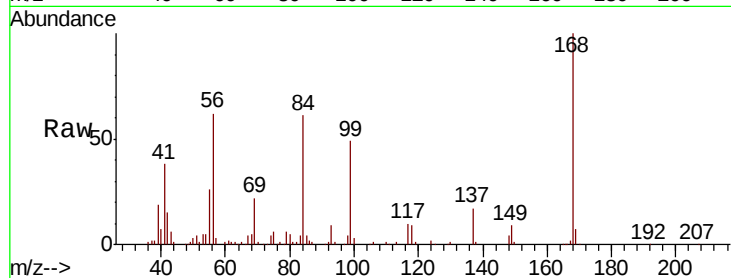
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 360344

Ion Ratio Lower Upper

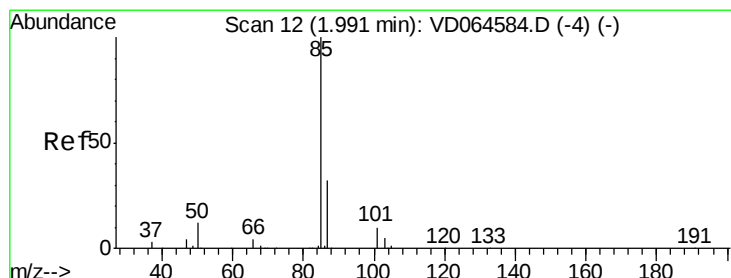
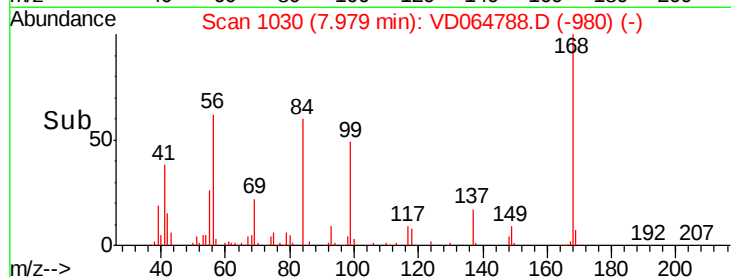
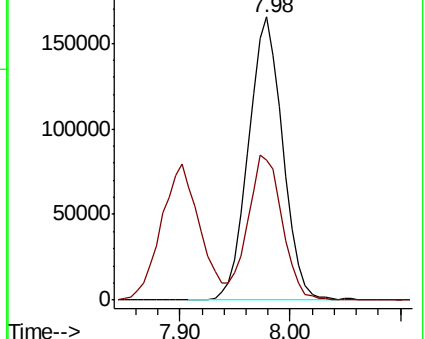
168 100

99 49.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.417 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064788.D

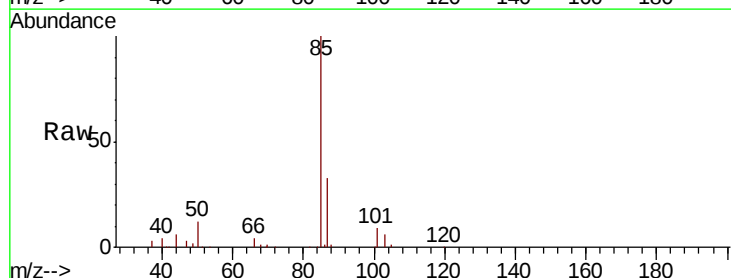
Acq: 07 Jan 2020 12:08

Tgt Ion: 85 Resp: 124385

Ion Ratio Lower Upper

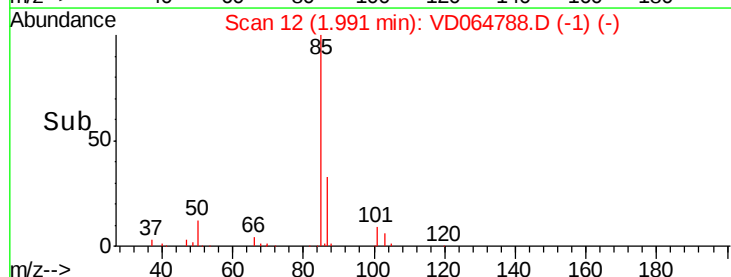
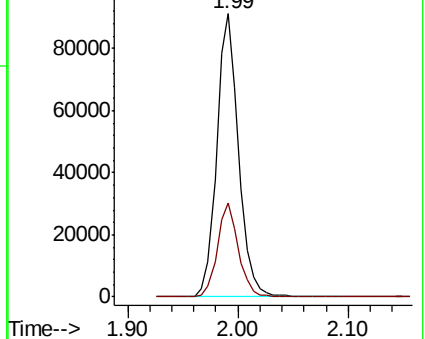
85 100

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





#3

Chloromethane

Concen: 48.217 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

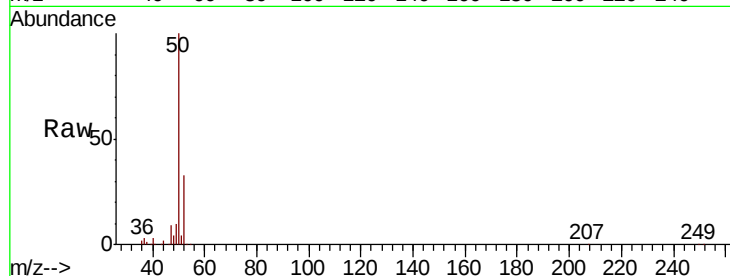
ClientSampleId :

Tot Ion: 50 Resp: 188843

Ion Ratio Lower Upper

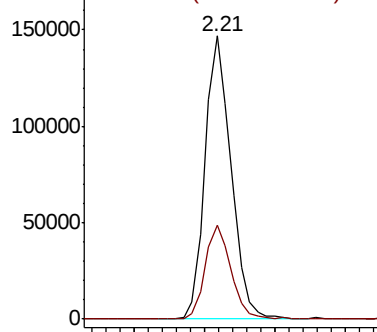
50 100

52 33.1 26.5 39.7

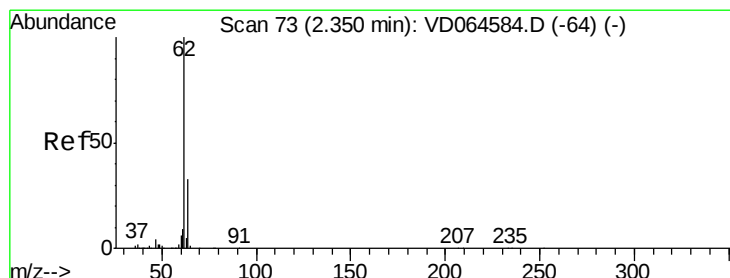
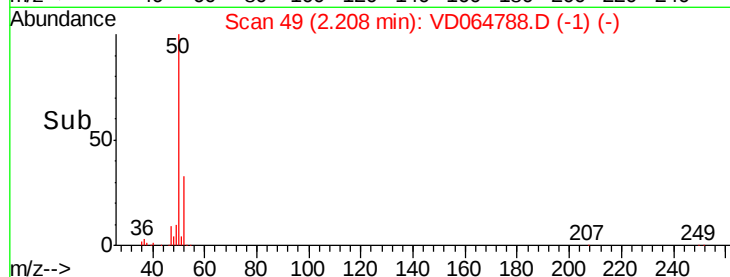


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 47.103 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064788.D

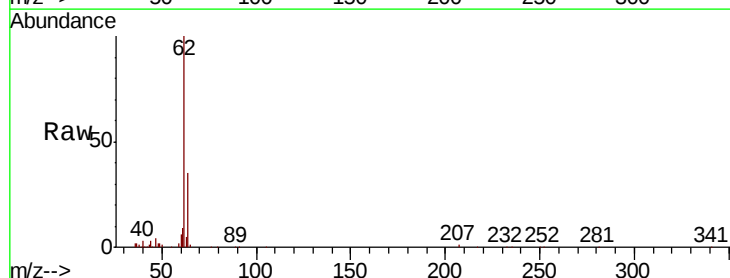
Acq: 07 Jan 2020 12:08

Tgt Ion: 62 Resp: 224933

Ion Ratio Lower Upper

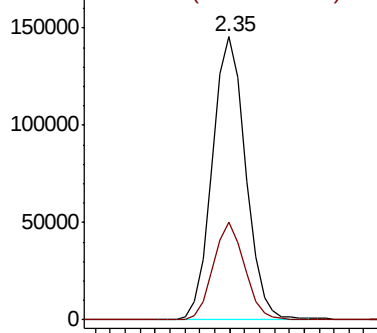
62 100

64 34.5 26.6 40.0

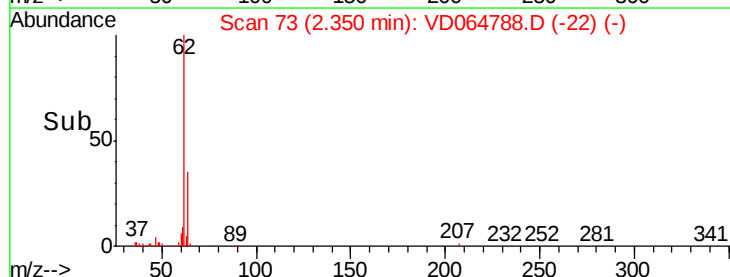


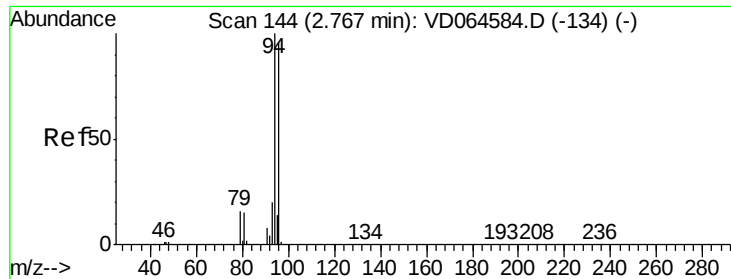
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 45.928 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

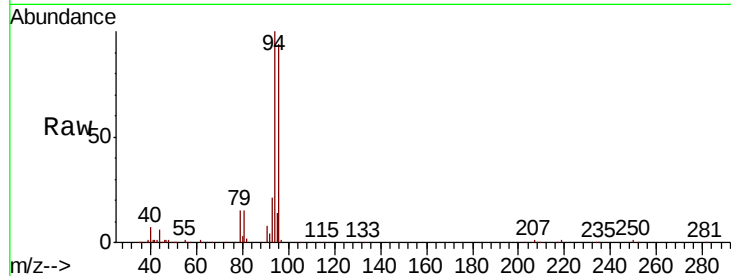
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 159467

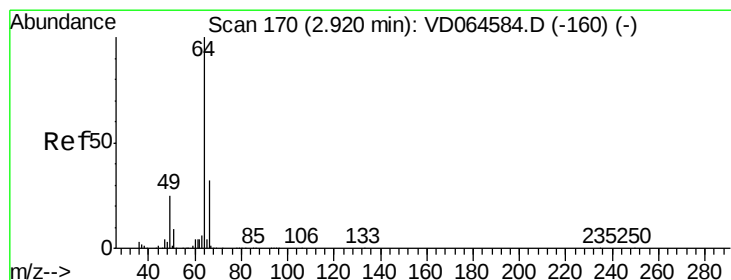
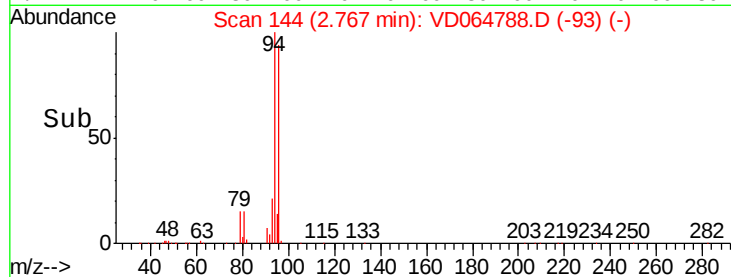
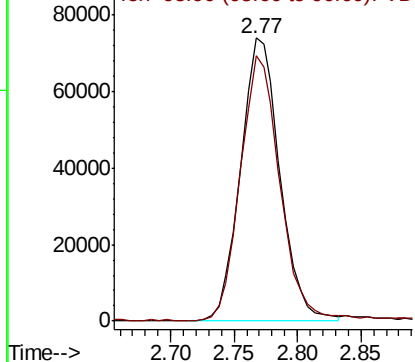
Ion Ratio Lower Upper

94 100

96 93.8 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: 48.698 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064788.D

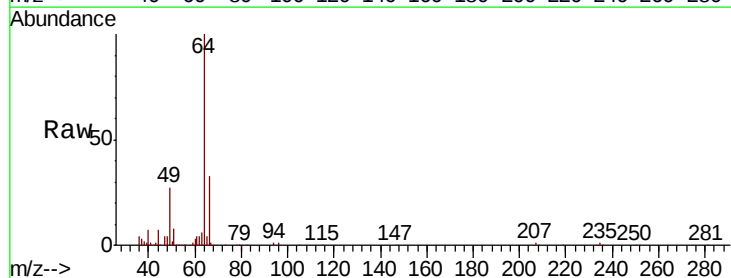
Acq: 07 Jan 2020 12:08

Tgt Ion: 64 Resp: 155819

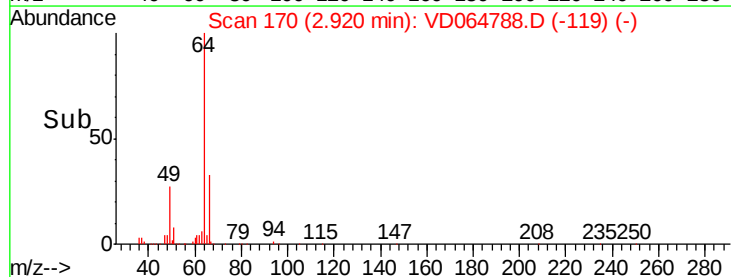
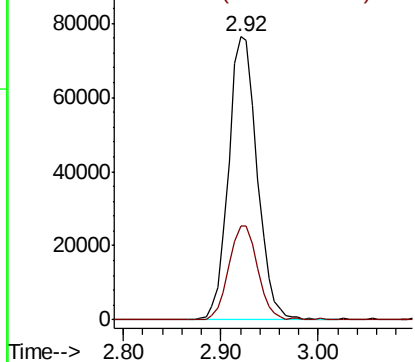
Ion Ratio Lower Upper

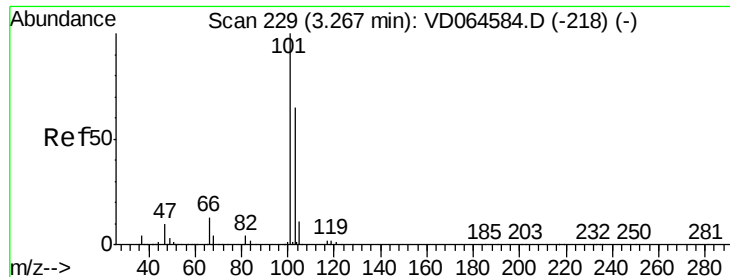
64 100

66 33.4 25.9 38.9



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



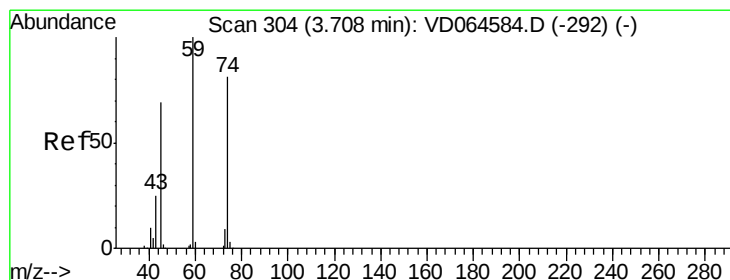
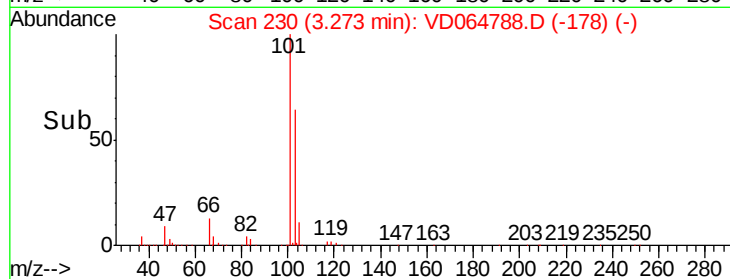
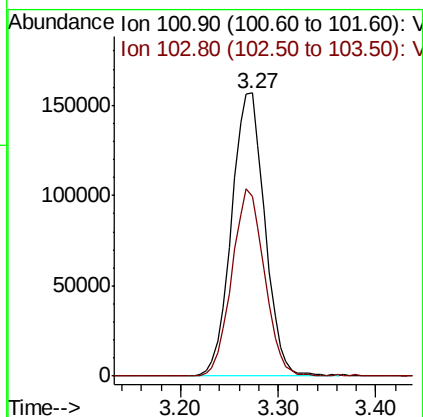
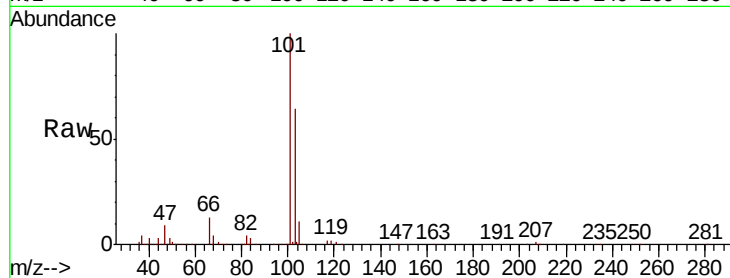


#7

Trichlorofluoromethane
Concen: 46.123 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

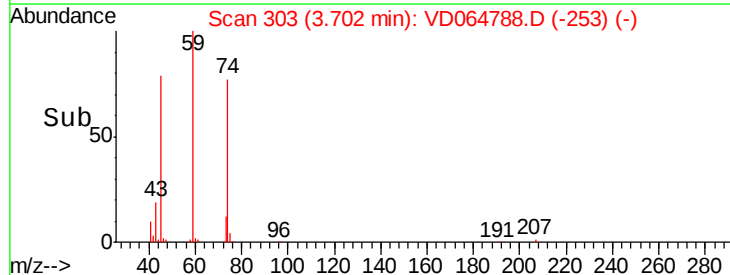
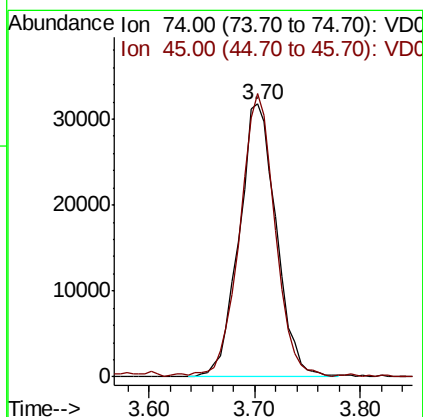
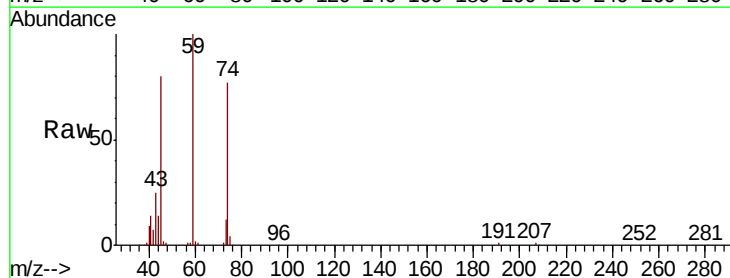
Tot Ion:101 Resp: 370851
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4



#8

Diethyl Ether
Concen: 48.640 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 74 Resp: 77662
Ion Ratio Lower Upper
74 100
45 99.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.175 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

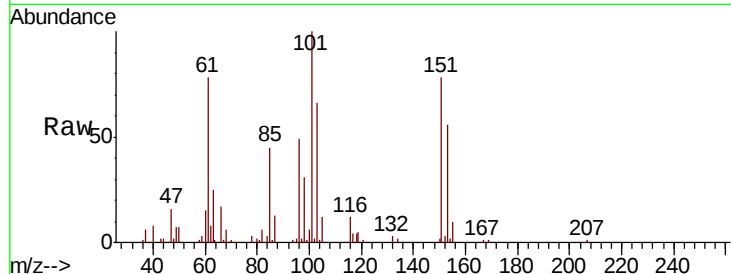
Tot Ion:101 Resp: 157090

Ion Ratio Lower Upper

101 100

85 45.3 35.2 52.8

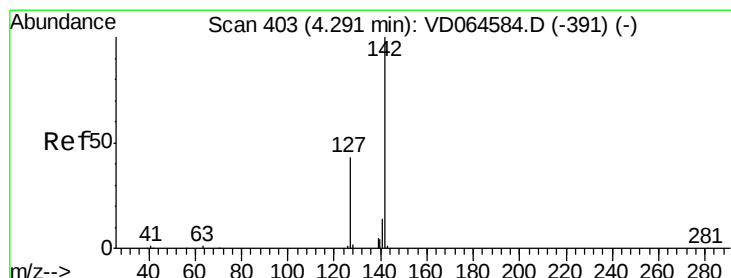
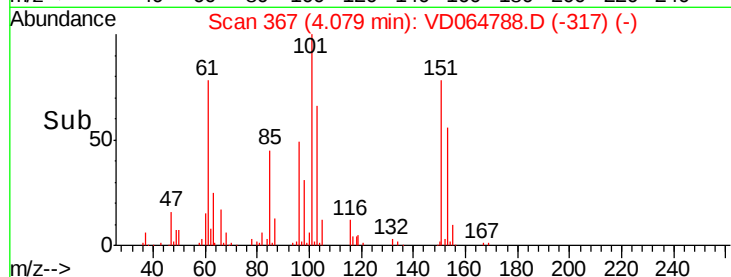
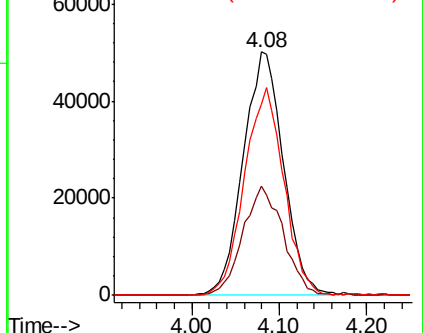
151 83.4 66.2 99.4



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: 52.584 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

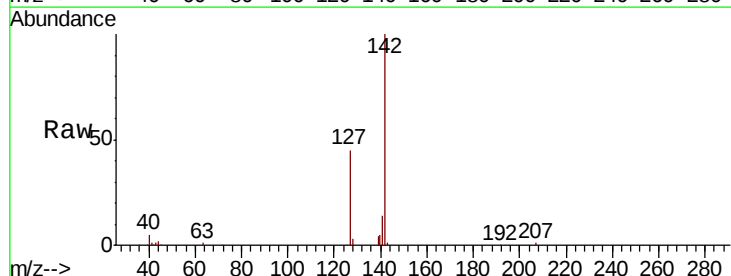
Tgt Ion:142 Resp: 188087

Ion Ratio Lower Upper

142 100

127 43.5 36.2 54.4

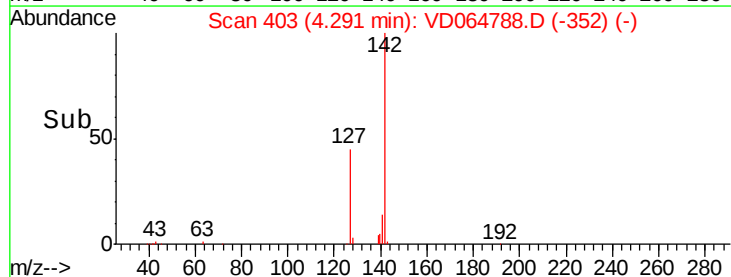
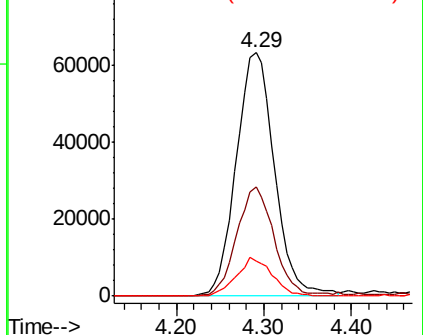
141 14.7 11.8 17.8

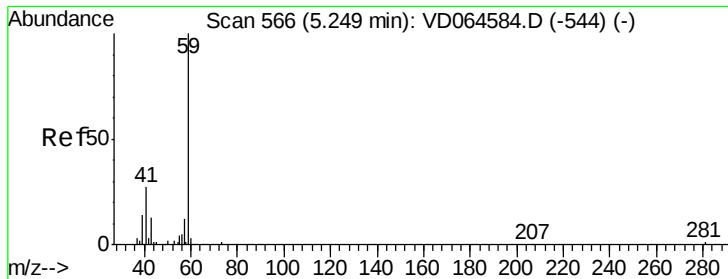


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



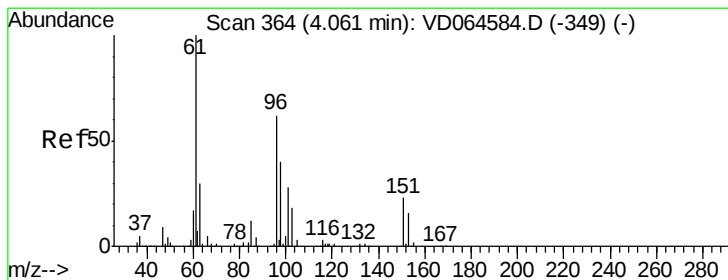
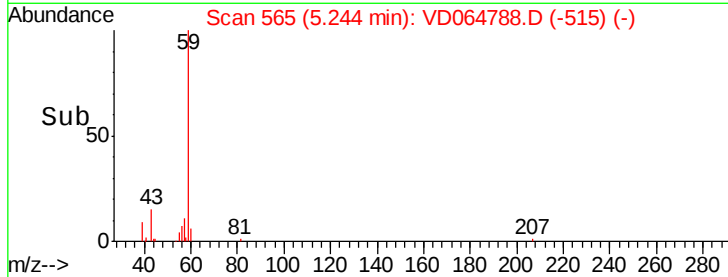
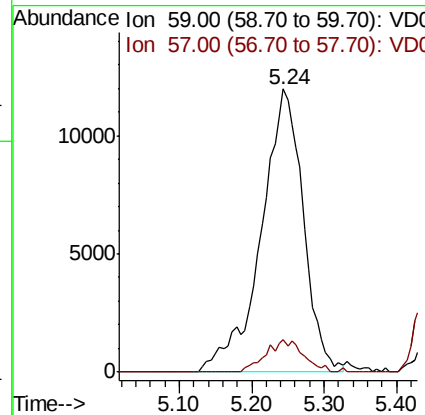
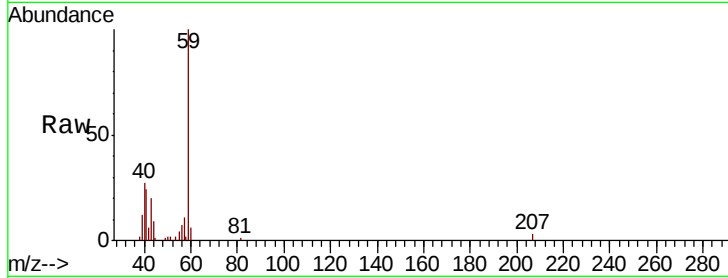


#11

Tert butyl alcohol
Concen: 267.334 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

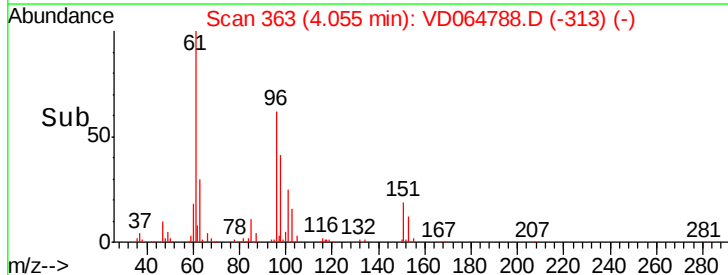
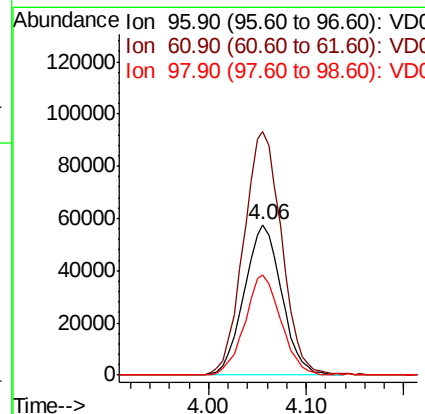
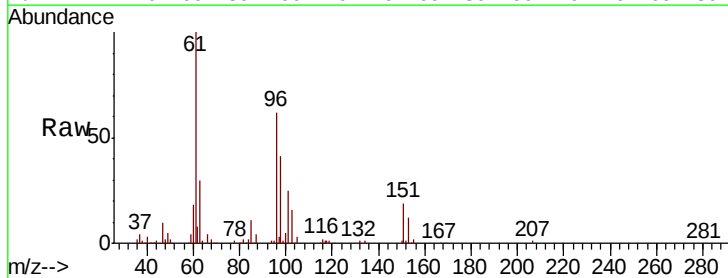
Tot Ion: 59 Resp: 48682
Ion Ratio Lower Upper
59 100
57 10.1 9.3 13.9

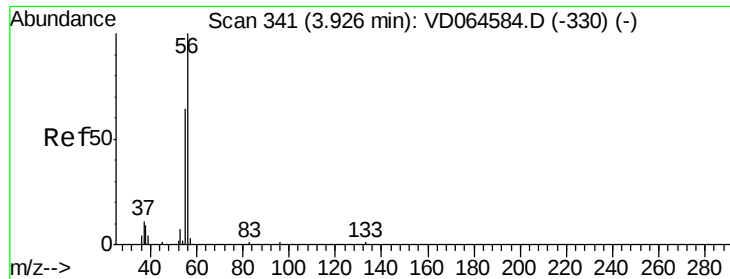


#12

1,1-Dichloroethene
Concen: 48.441 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 96 Resp: 153569
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.0
98 66.8 51.4 77.0

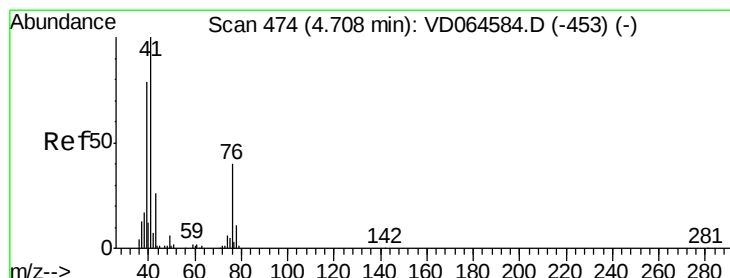
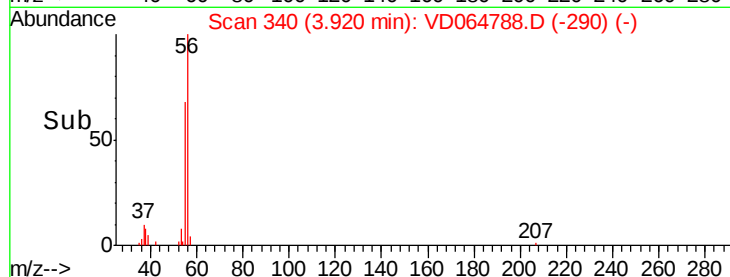
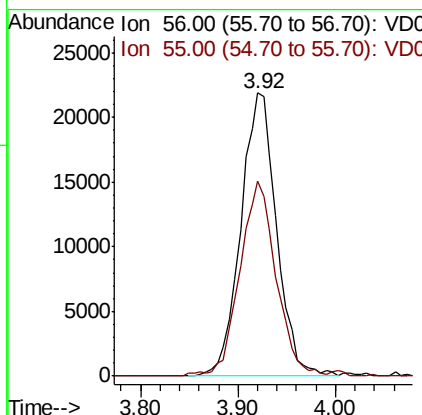
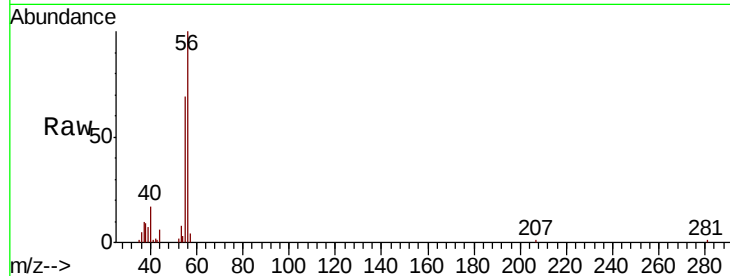




#13
 Acrolein
 Concen: 219.787 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

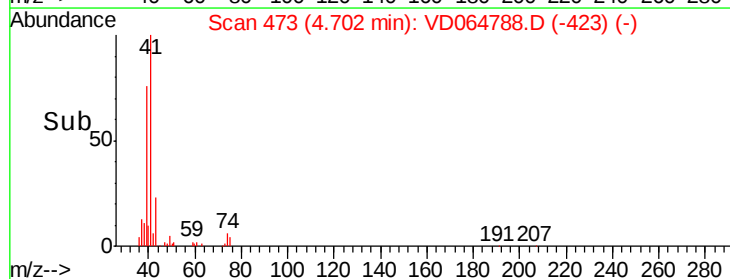
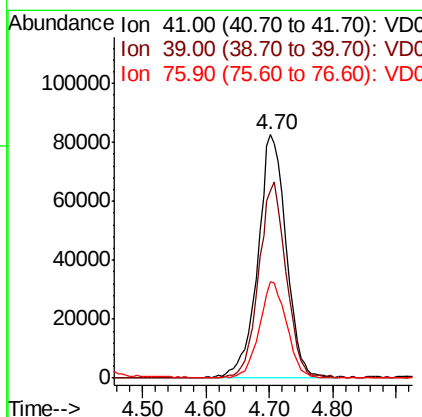
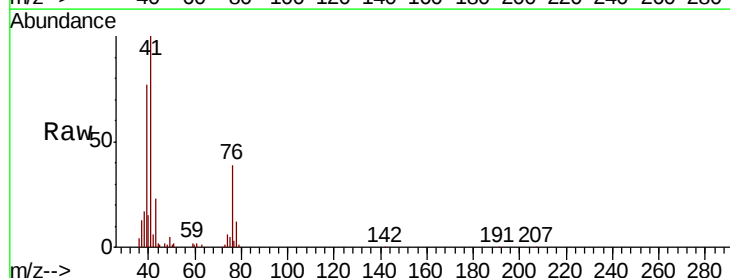
Instrument :
 MSVOA_D
 ClientSampleId :

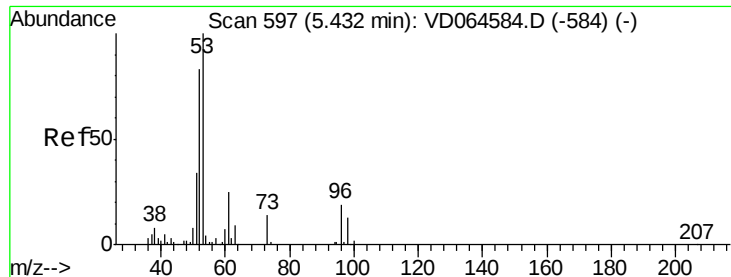
Tot Ion: 56 Resp: 55779
 Ion Ratio Lower Upper
 56 100
 55 69.9 56.7 85.1



#14
 Allyl chloride
 Concen: 52.226 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion: 41 Resp: 258146
 Ion Ratio Lower Upper
 41 100
 39 77.3 62.3 93.5
 76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 255.569 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

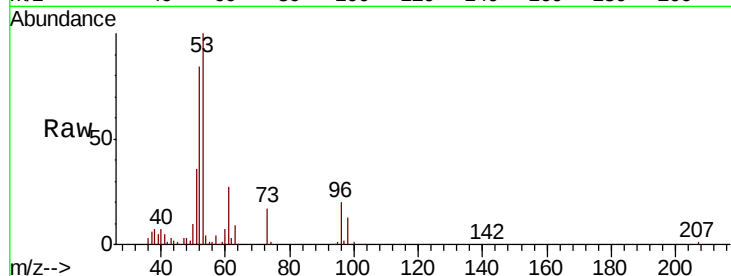
Tot Ion: 53 Resp: 169971

Ion Ratio Lower Upper

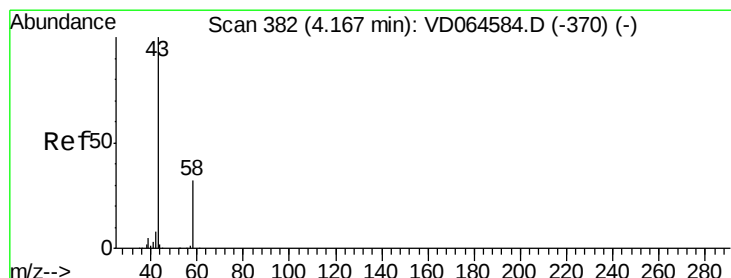
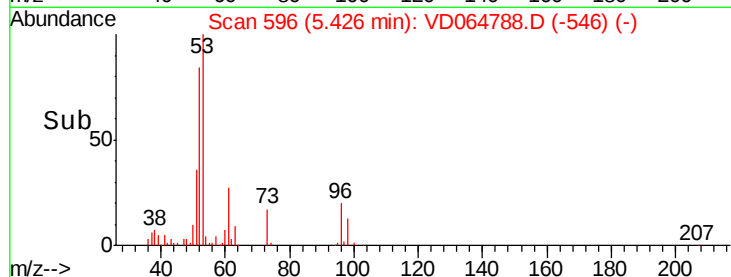
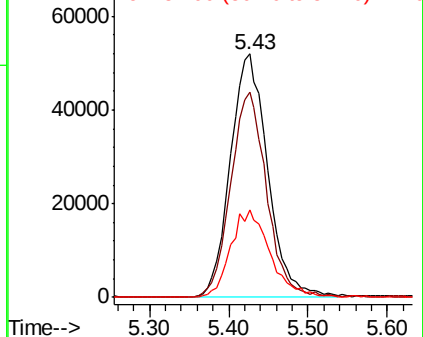
53 100

52 81.2 66.2 99.2

51 37.6 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: 299.365 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064788.D

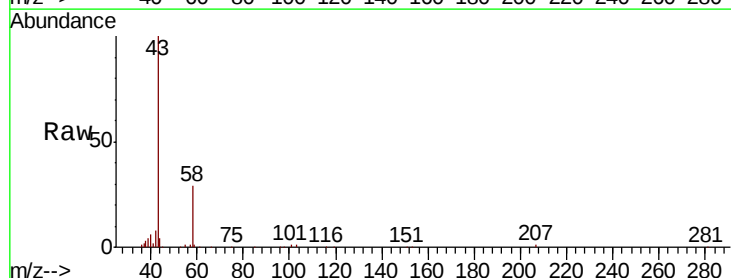
Acq: 07 Jan 2020 12:08

Tgt Ion: 43 Resp: 195967

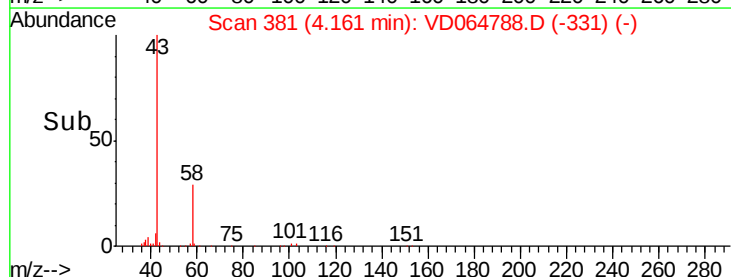
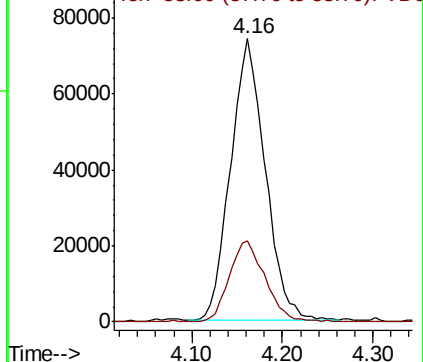
Ion Ratio Lower Upper

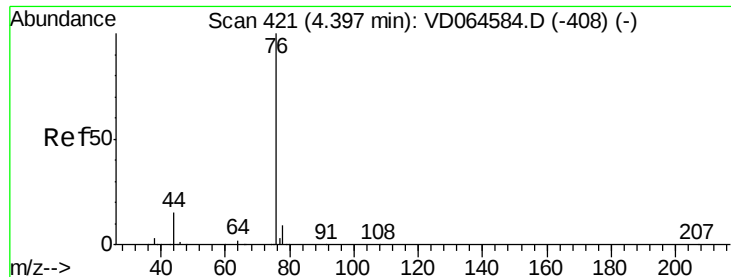
43 100

58 28.7 25.8 38.6



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

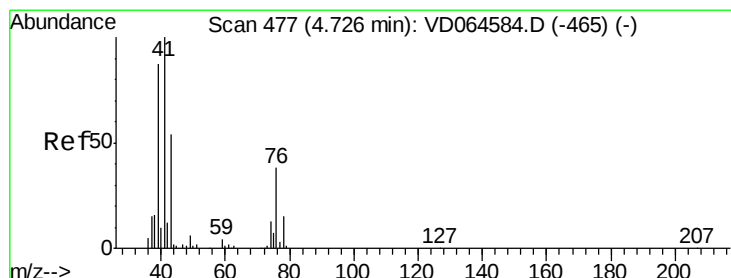
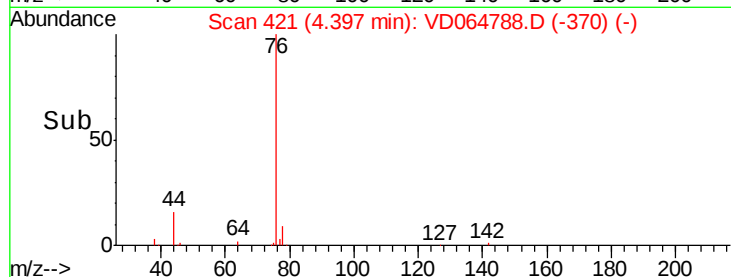
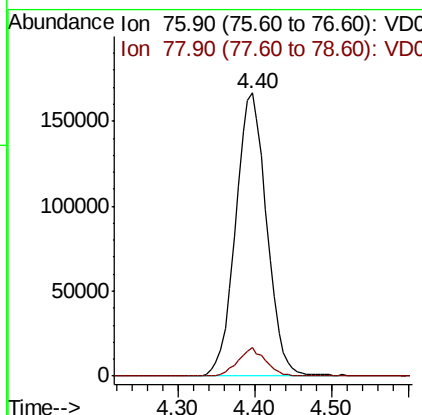
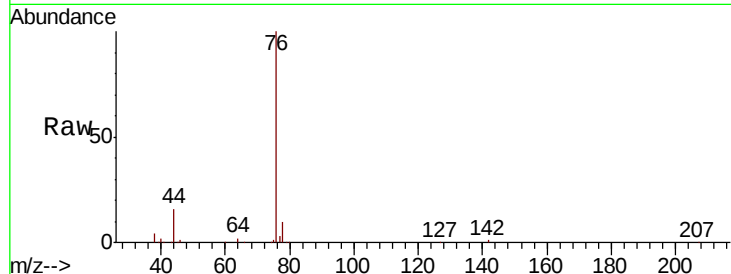




#17
Carbon Disulfide
Concen: 45.885 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

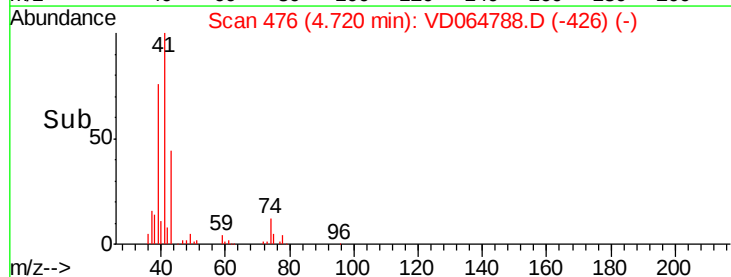
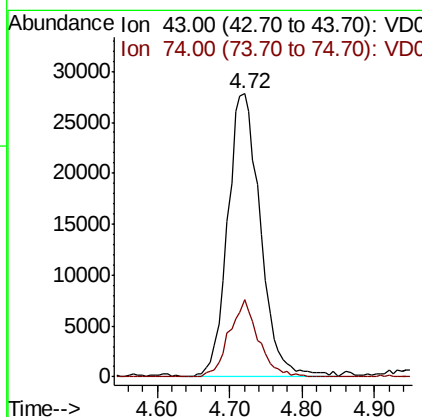
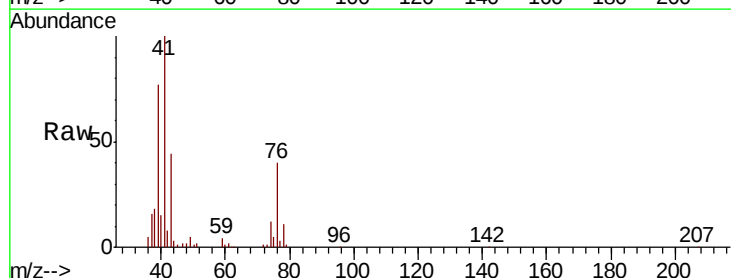
Instrument :
MSVOA_D
ClientSampleId :

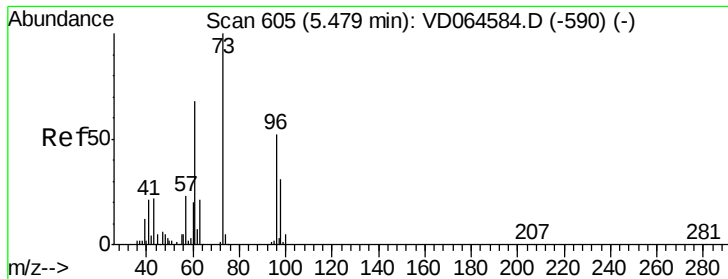
Tot Ion: 76 Resp: 470365
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 48.851 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 43 Resp: 87389
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

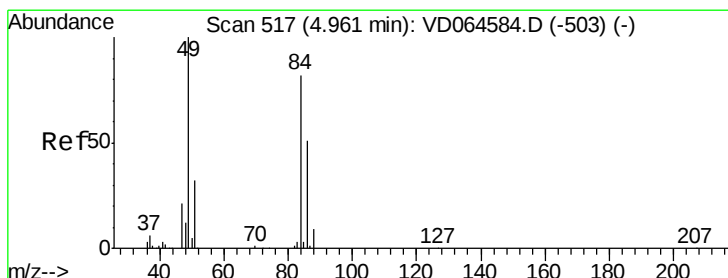
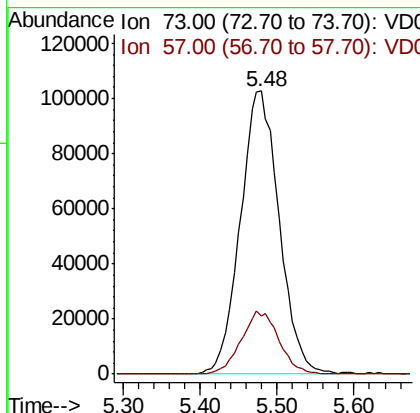
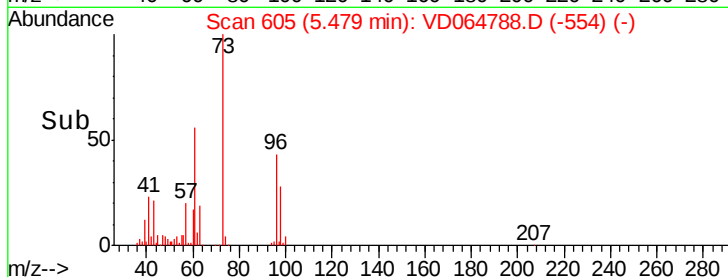
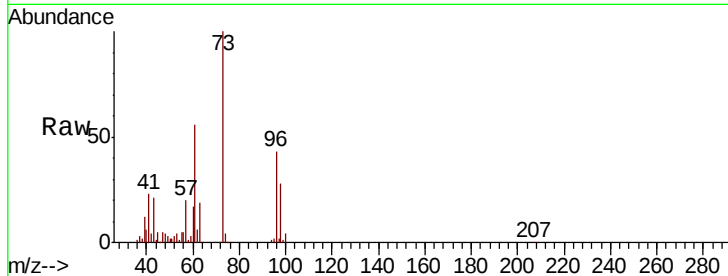




#19
Methyl tert-butyl Ether
Concen: 51.459 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

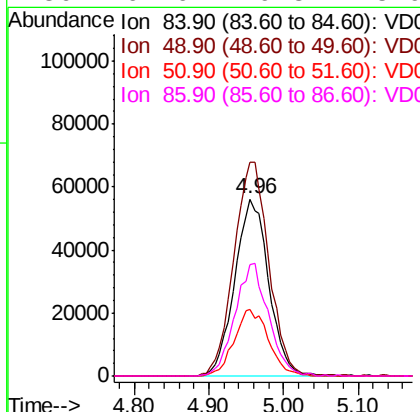
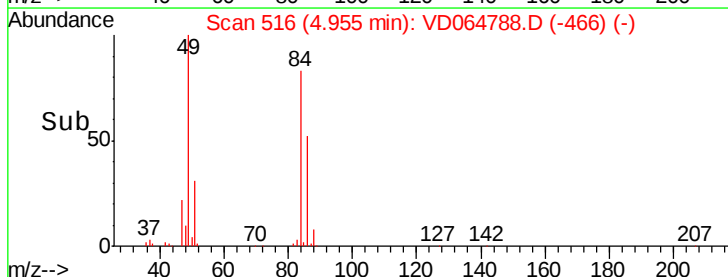
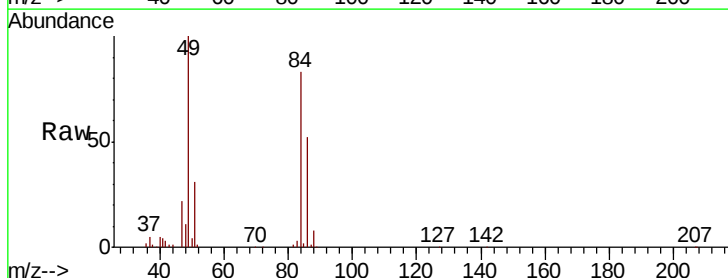
Instrument :
MSVOA_D
ClientSampleId :

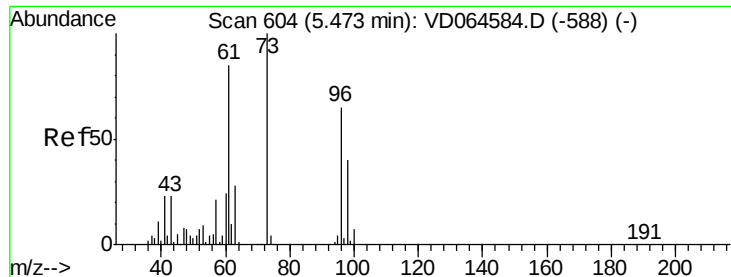
Tot Ion: 73 Resp: 362355
Ion Ratio Lower Upper
73 100
57 20.4 18.6 27.8



#20
Methylene Chloride
Concen: 55.079 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 84 Resp: 177376
Ion Ratio Lower Upper
84 100
49 120.7 97.2 145.8
51 37.9 31.4 47.0
86 62.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.735 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

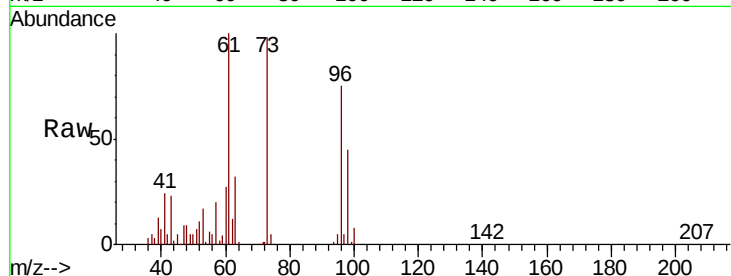
Tot Ion: 96 Resp: 183176

Ion Ratio Lower Upper

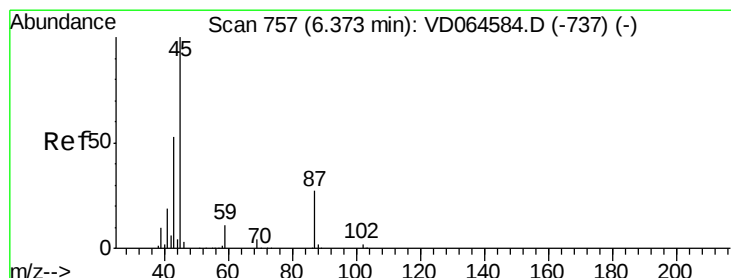
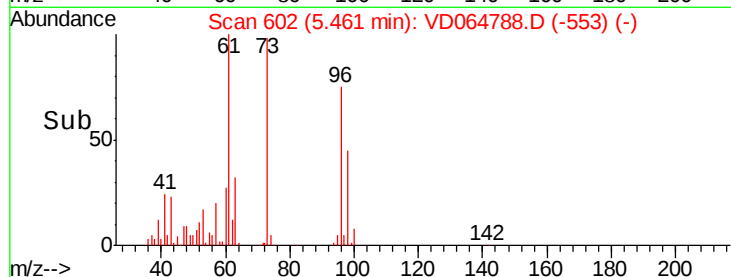
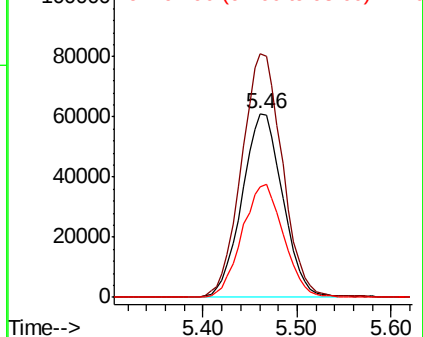
96 100

61 132.6 104.7 157.1

98 60.0 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: 53.102 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Tgt Ion: 45 Resp: 523530

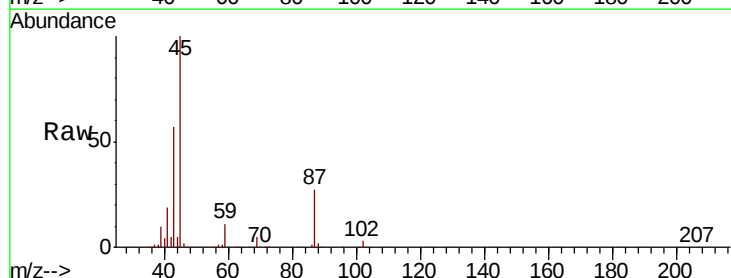
Ion Ratio Lower Upper

45 100

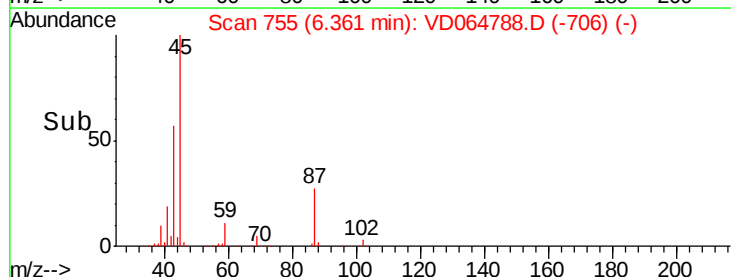
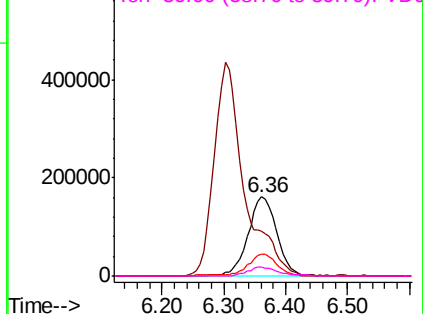
43 56.1 43.2 64.8

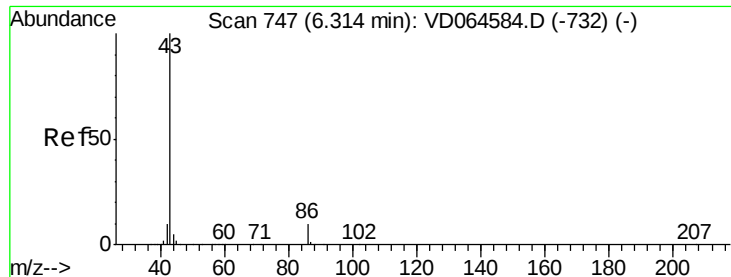
87 26.6 21.9 32.9

59 10.5 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: 263.655 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

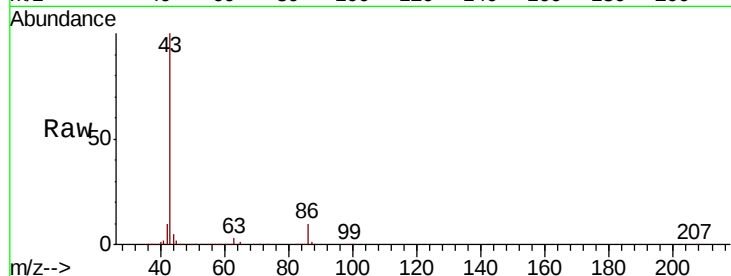
ClientSampleId :

Tot Ion: 43 Resp: 1474510

Ion Ratio Lower Upper

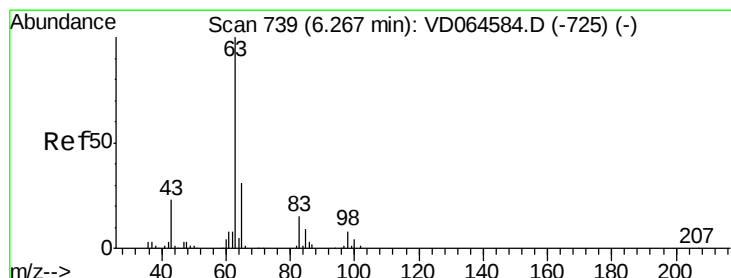
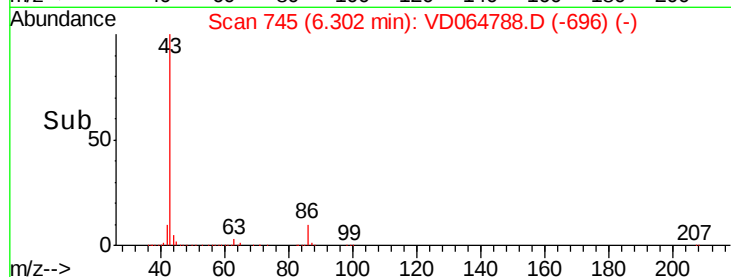
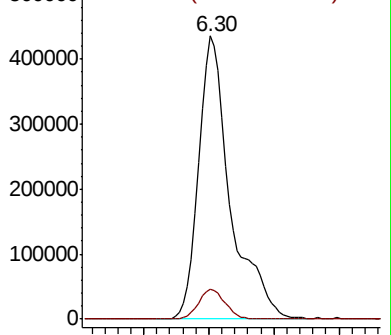
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.933 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

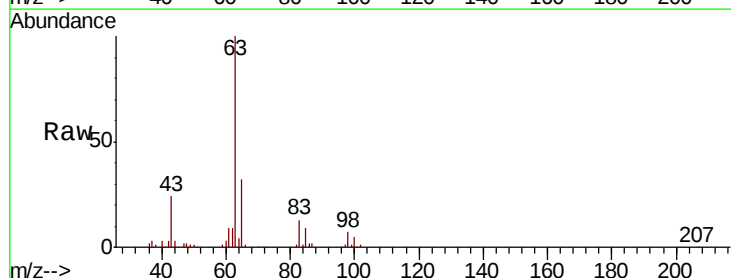
Tgt Ion: 63 Resp: 313287

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

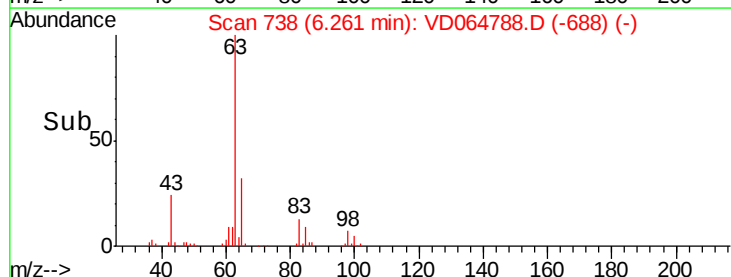
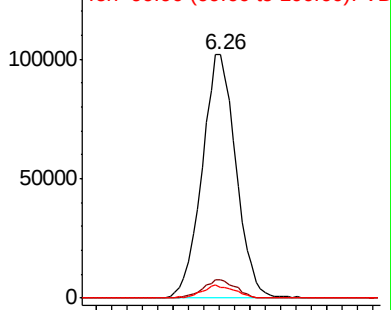
100 4.5 2.2 6.6

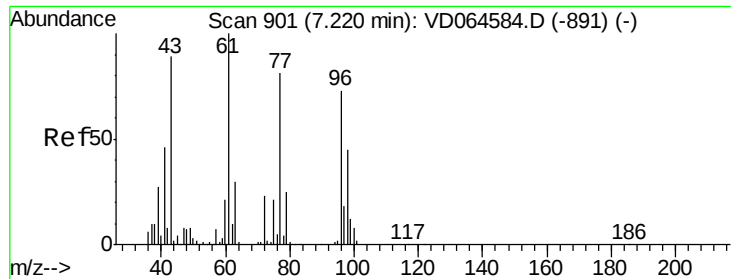


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 269.406 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

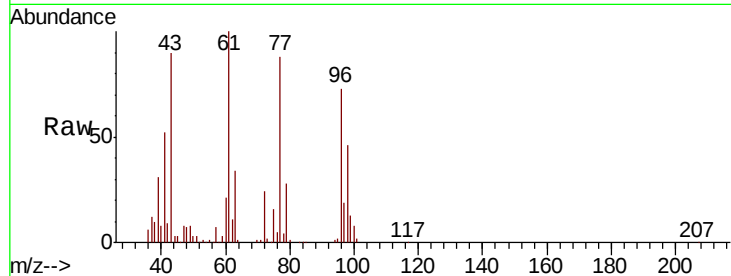
ClientSampleId :

Tot Ion: 43 Resp: 235302

Ion Ratio Lower Upper

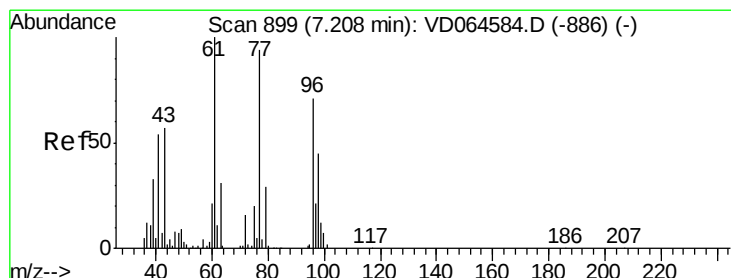
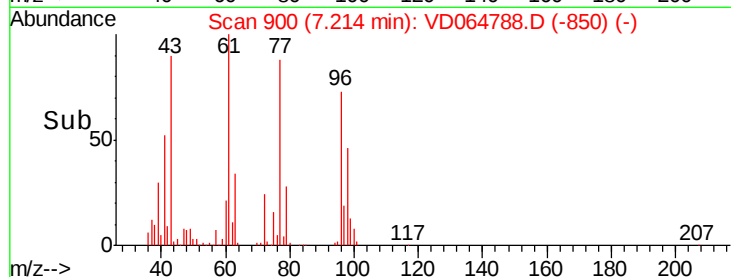
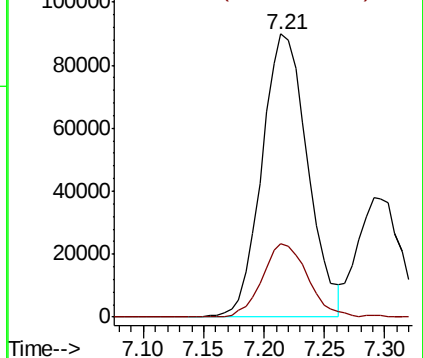
43 100

72 26.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.280 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064788.D

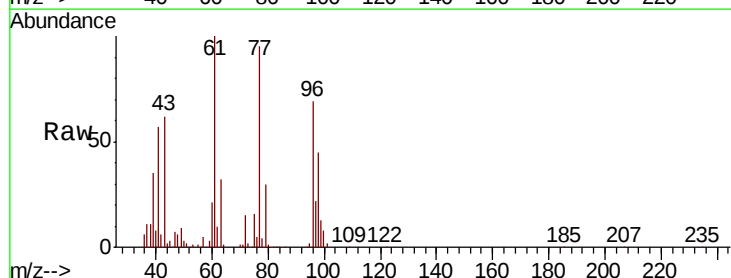
Acq: 07 Jan 2020 12:08

Tgt Ion: 77 Resp: 287689

Ion Ratio Lower Upper

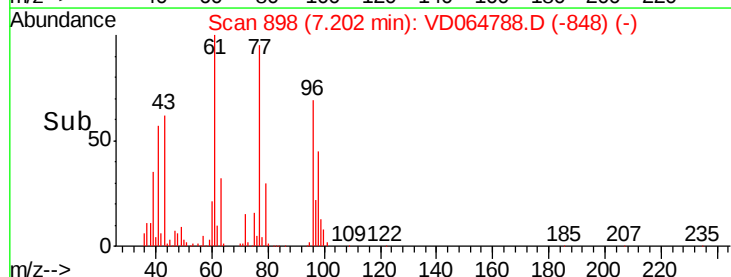
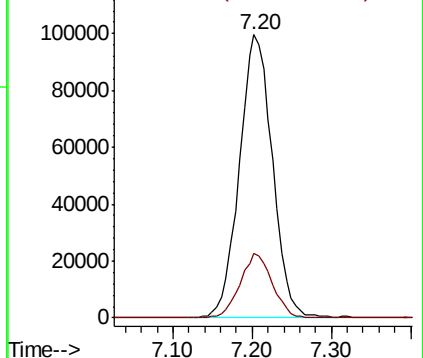
77 100

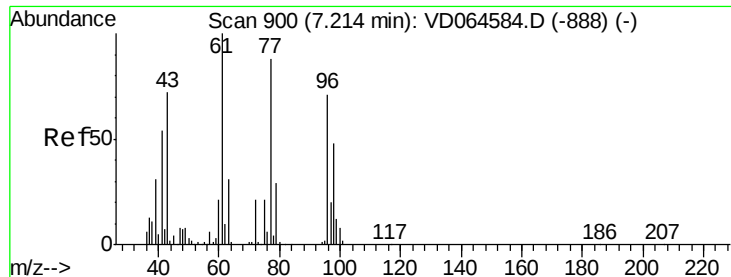
97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



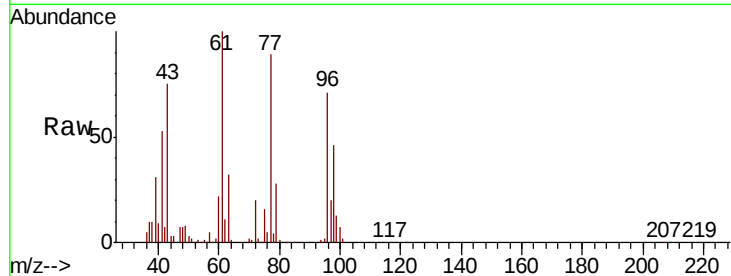


#27

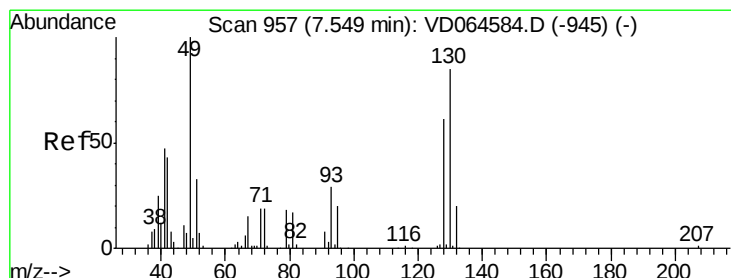
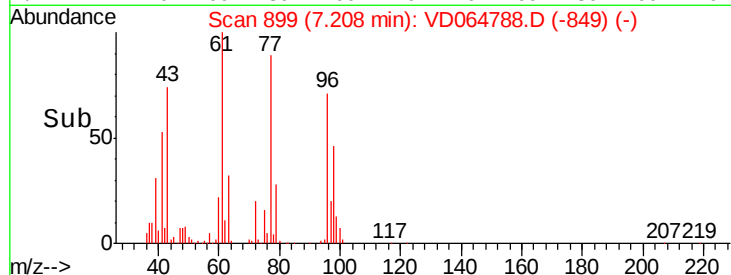
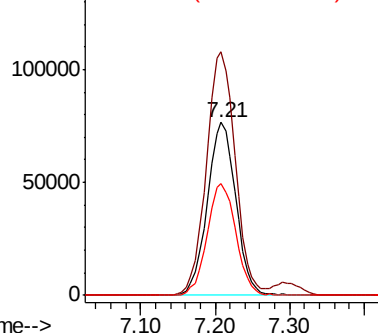
cis-1,2-Dichloroethene
Concen: 52.329 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	203898
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	282.6
98	64.7	0.0	130.8



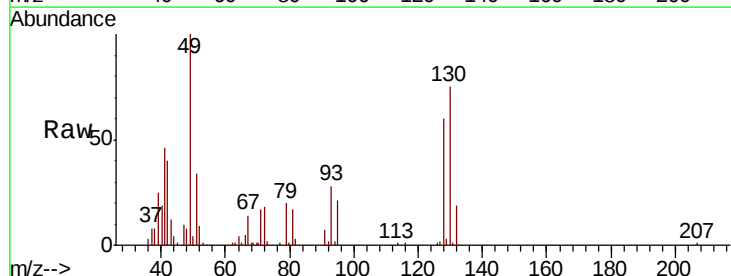
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



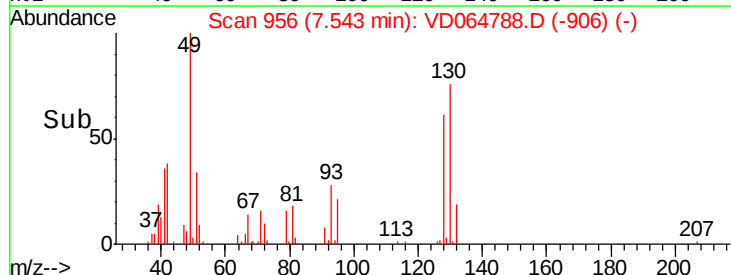
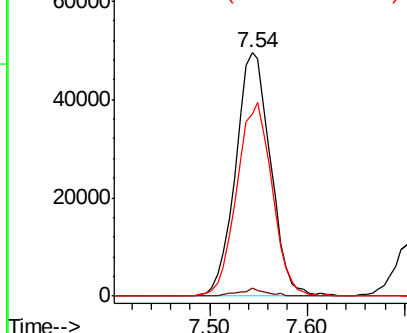
#28

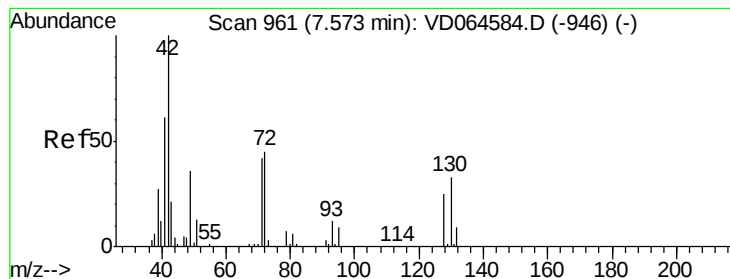
Bromochloromethane
Concen: 53.704 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion	49	Resp	123559
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	80.3	65.0	97.6



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





#29

Tetrahydrofuran

Concen: 248.061 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

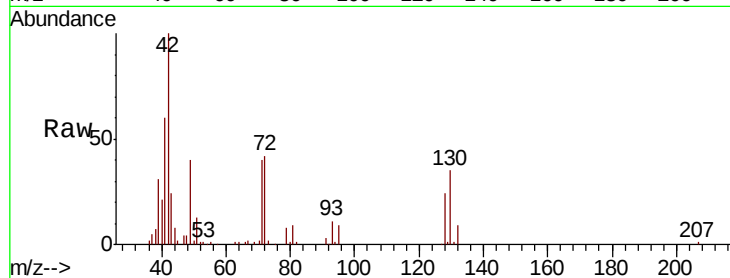
Tot Ion: 42 Resp: 134735

Ion Ratio Lower Upper

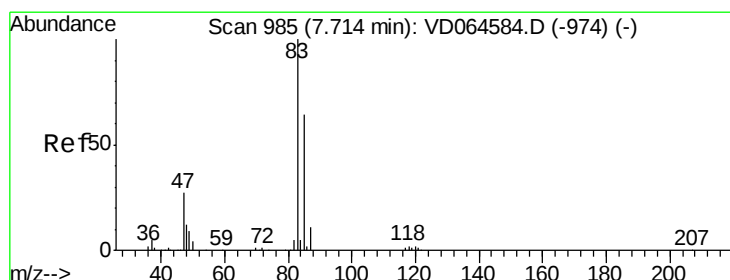
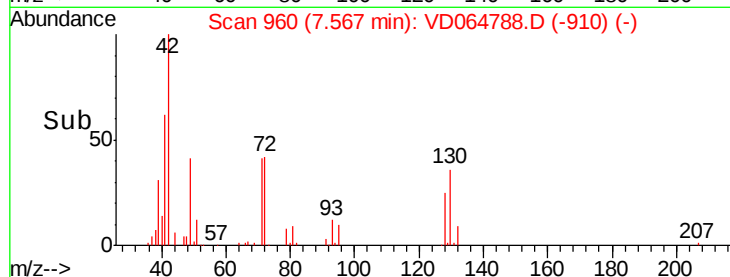
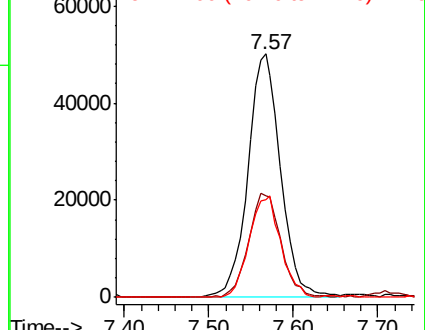
42 100

72 42.2 35.0 52.4

71 40.3 32.9 49.3



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



#30

Chloroform

Concen: 53.550 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064788.D

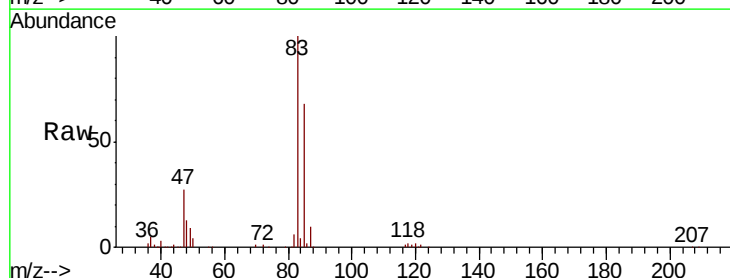
Acq: 07 Jan 2020 12:08

Tgt Ion: 83 Resp: 332526

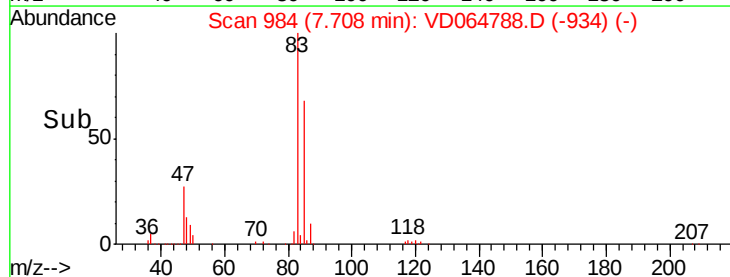
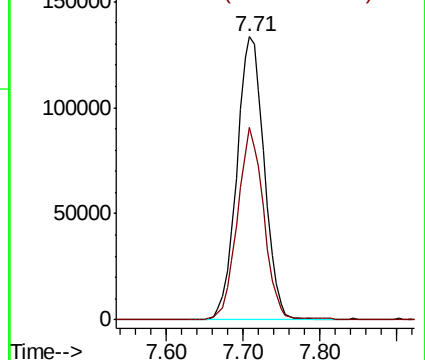
Ion Ratio Lower Upper

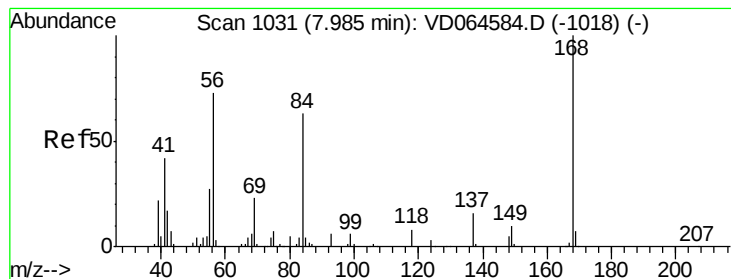
83 100

85 67.9 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: 44.589 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampled :

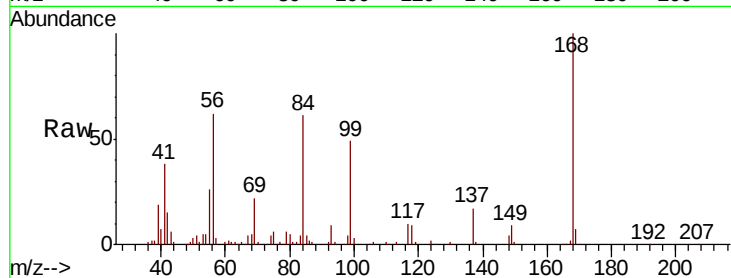
Tot Ion: 56 Resp: 264169

Ion Ratio Lower Upper

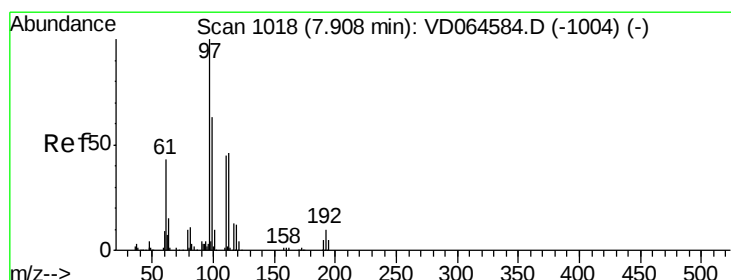
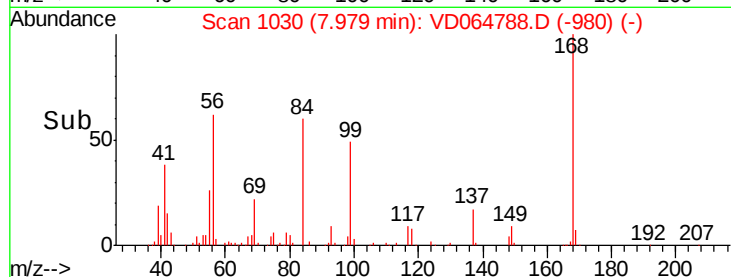
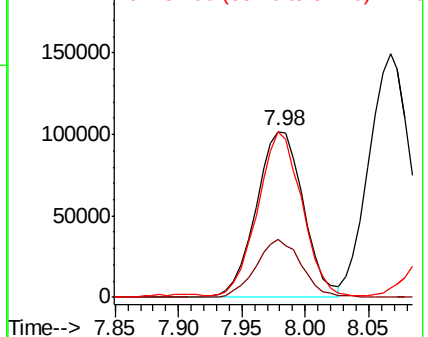
56 100

69 35.2 24.7 37.1

84 97.5 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: 51.201 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

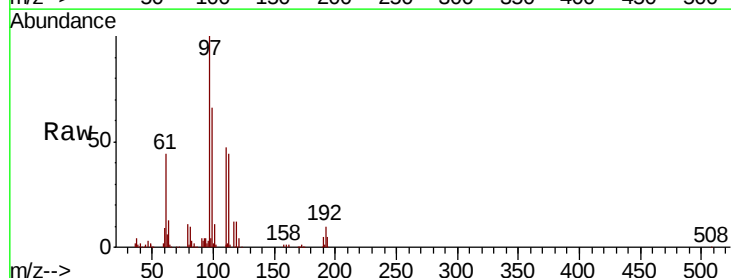
Tgt Ion: 97 Resp: 298629

Ion Ratio Lower Upper

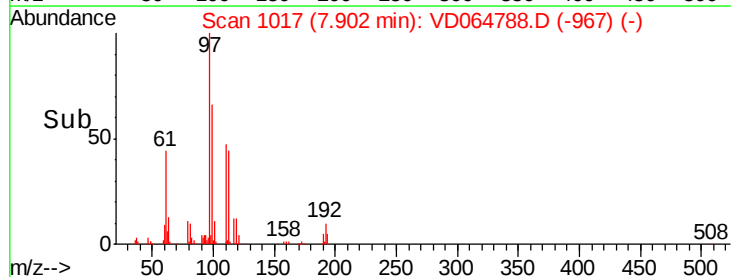
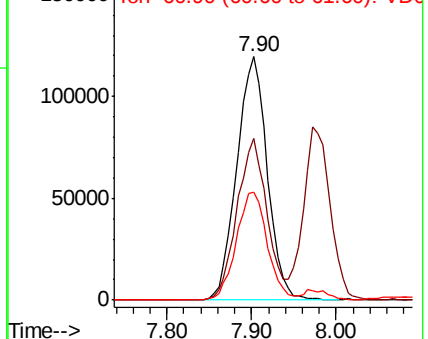
97 100

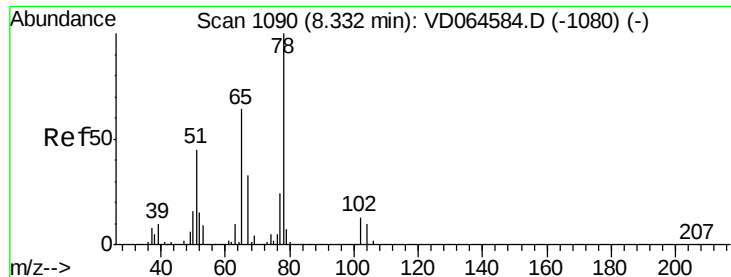
99 65.9 51.0 76.6

61 44.7 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: 54.596 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

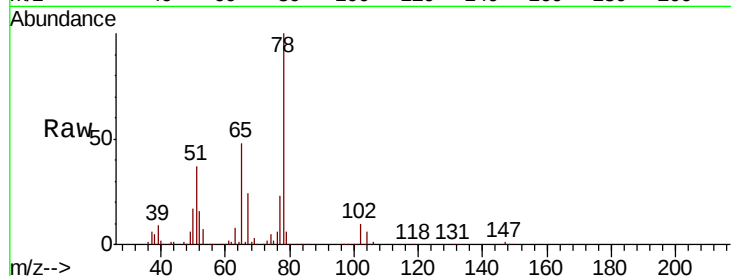
ClientSampleId :

Tot Ion: 65 Resp: 173478

Ion Ratio Lower Upper

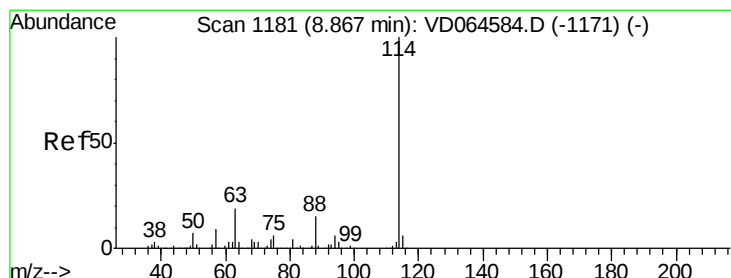
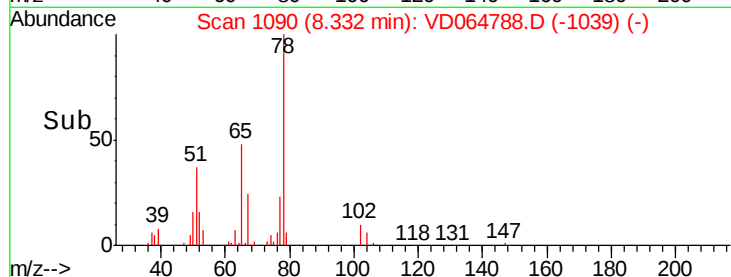
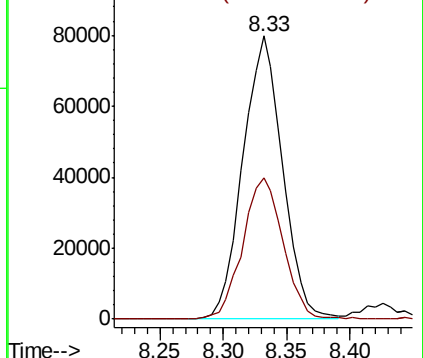
65 100

67 51.1 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: VD064788.D

Acq: 07 Jan 2020 12:08

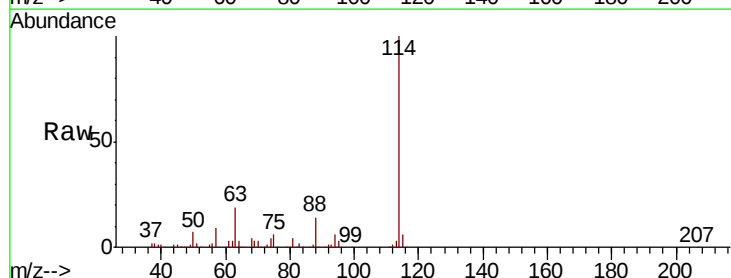
Tgt Ion: 114 Resp: 525071

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

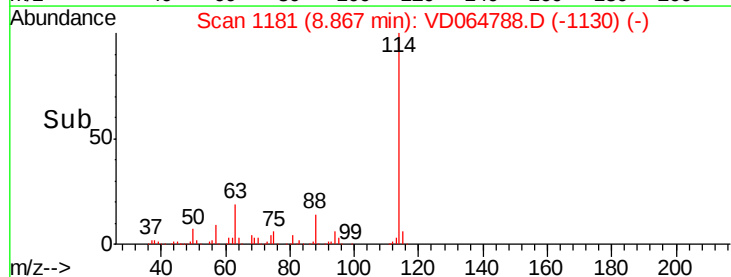
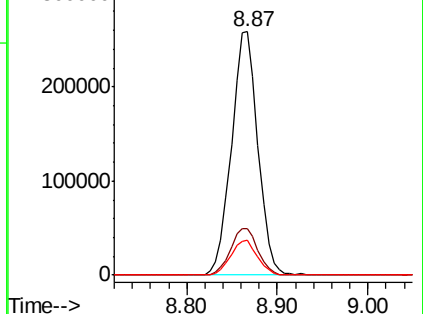
88 14.4 0.0 29.2

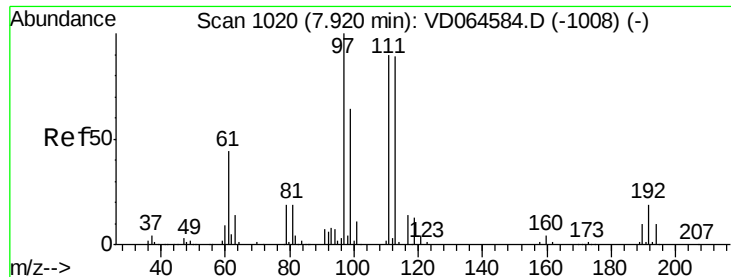


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

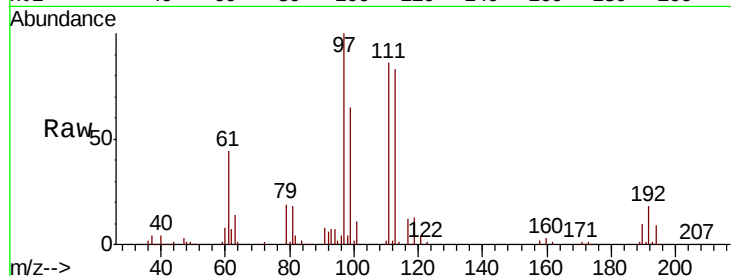




#35
 Dibromofluoromethane
 Concen: 53.663 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.6	121.0
192	23.6	17.9	26.9

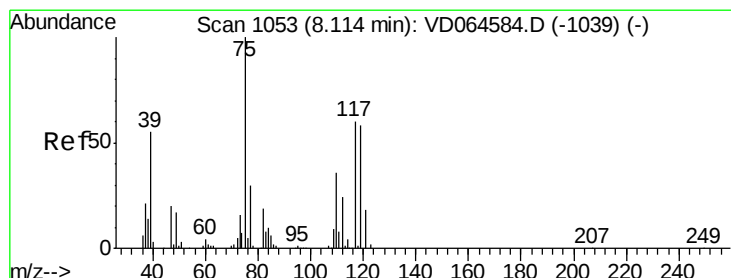
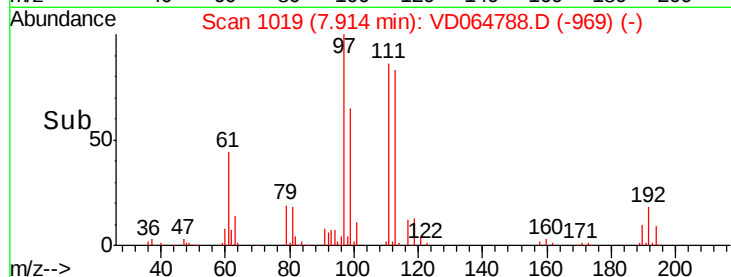
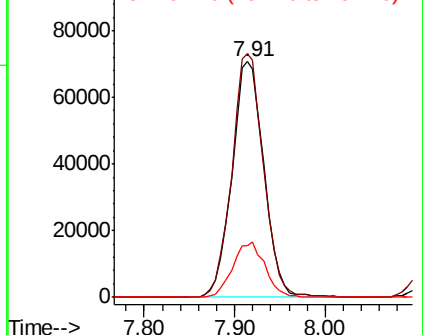


Abundance

Ion 112.80 (112.50 to 113.50): V

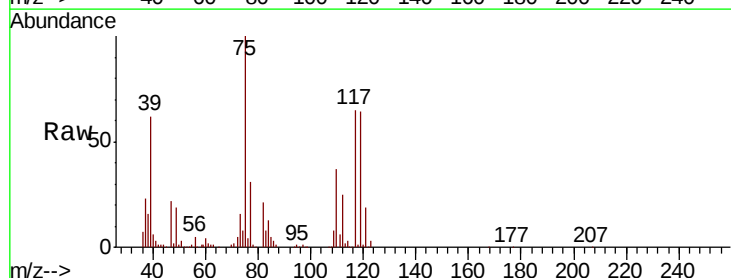
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.456 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	31.0	24.2	36.4

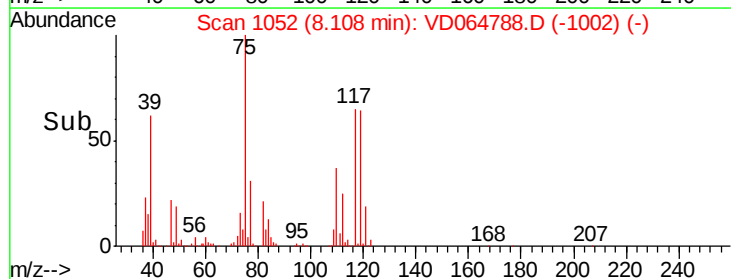
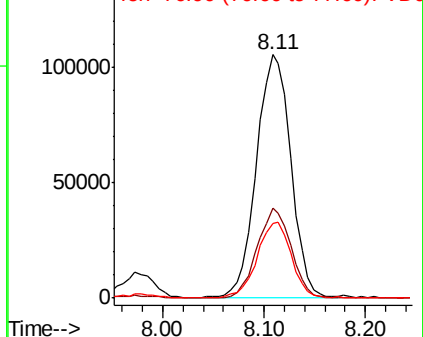


Abundance

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

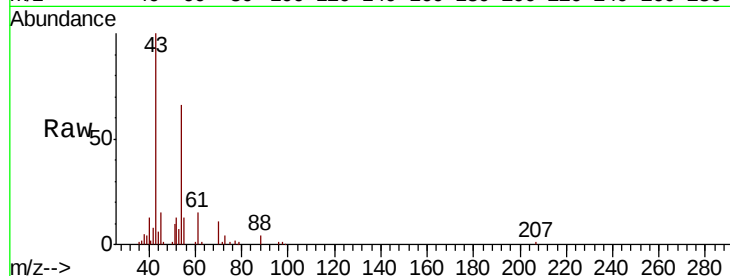




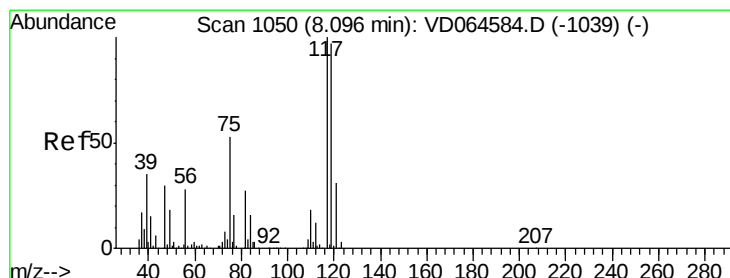
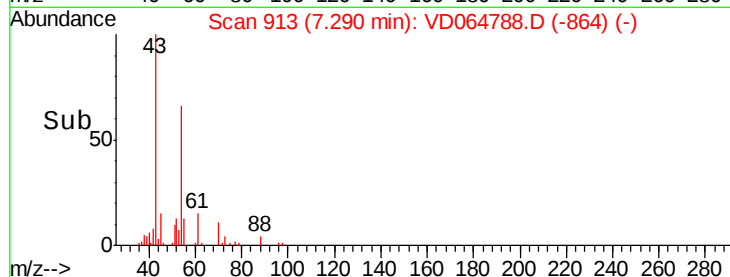
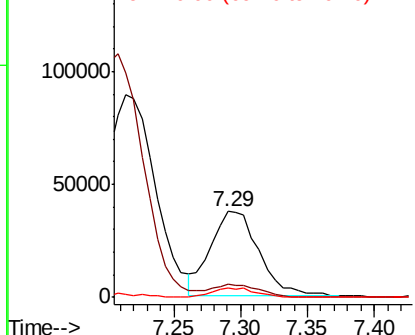
#37
Ethyl Acetate
Concen: 47.882 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 95065
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 10.3 7.6 11.4

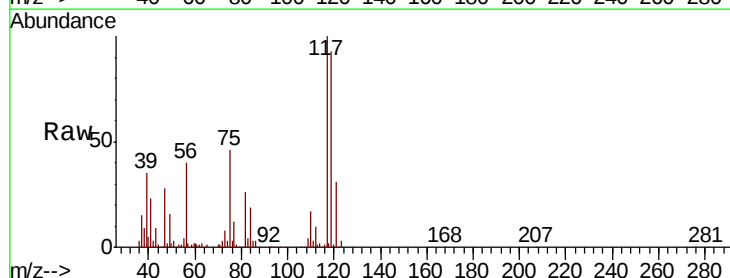


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

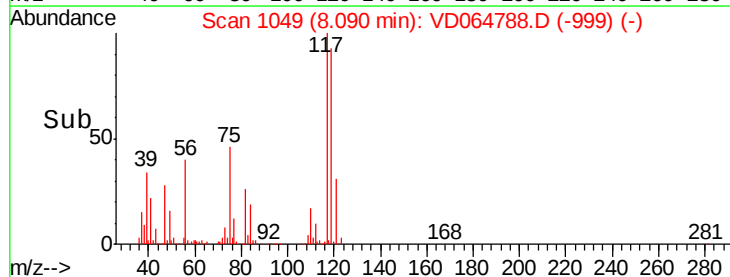
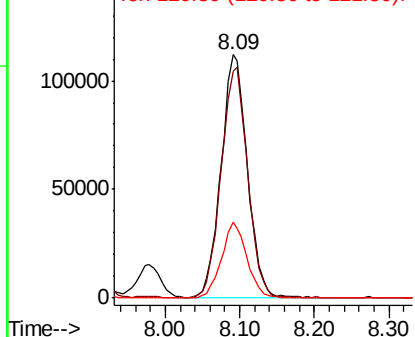


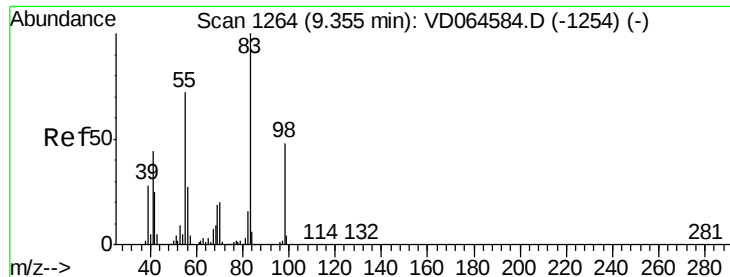
#38
Carbon Tetrachloride
Concen: 51.052 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 117 Resp: 275110
Ion Ratio Lower Upper
117 100
119 93.2 77.3 115.9
121 31.4 25.0 37.6



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

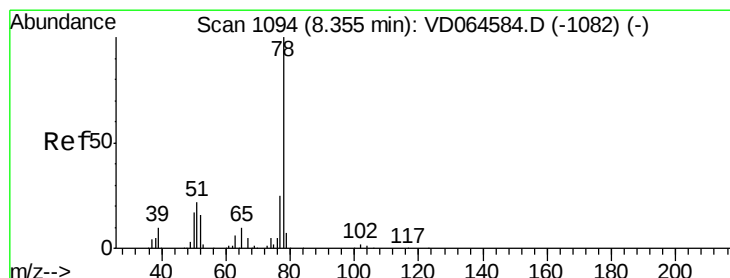
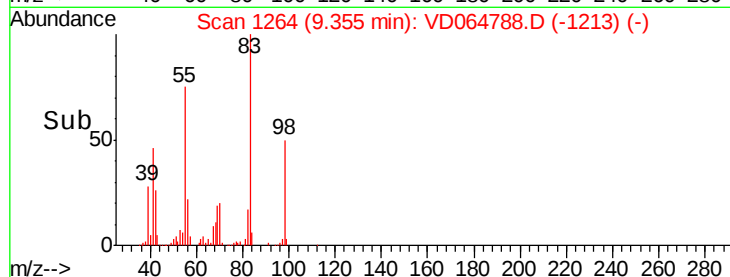
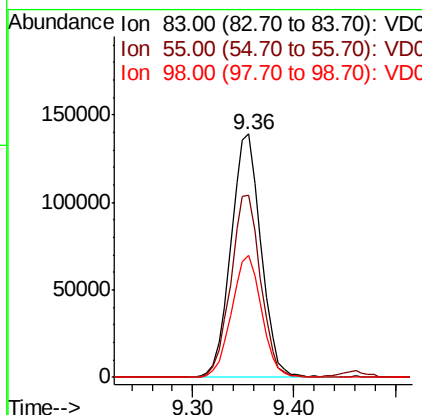
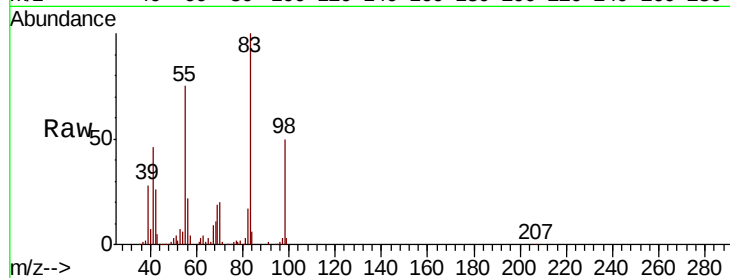




#39
Methvlcvclohexane
Concen: 46.681 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

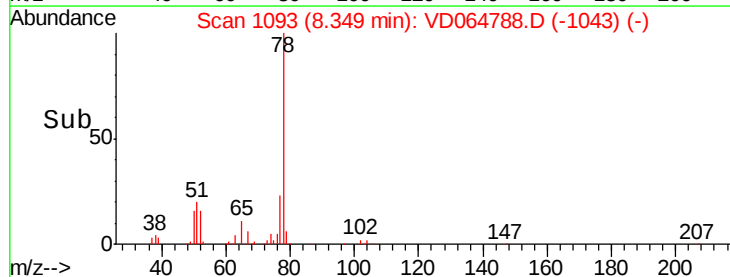
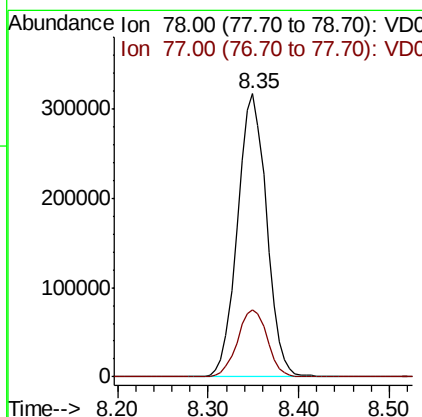
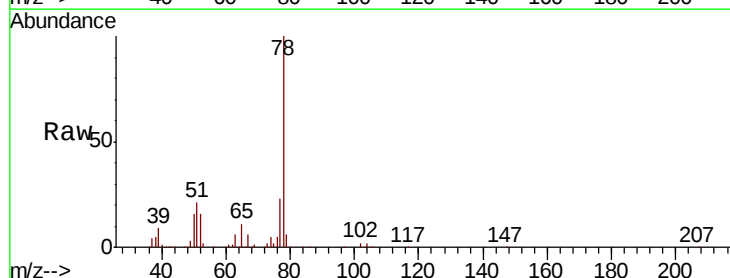
Instrument :
MSVOA_D
ClientSampleId :

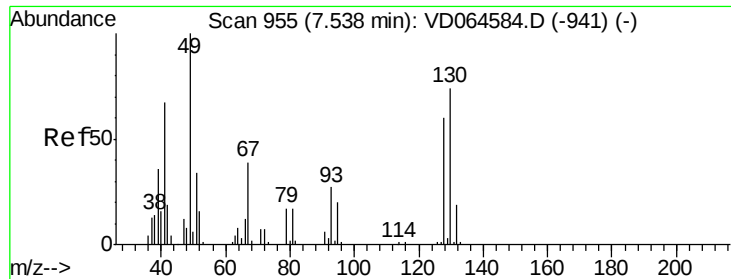
Tot Ion	83	Resp	285739
Ion	Ratio	Lower	Upper
83	100		
55	74.9	57.8	86.6
98	50.1	38.7	58.1



#40
Benzene
Concen: 51.318 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion	78	Resp	708002
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.9	29.9

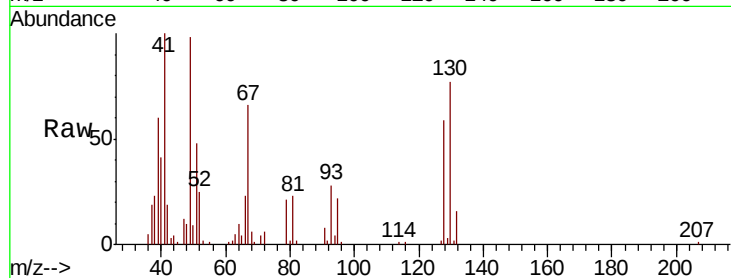




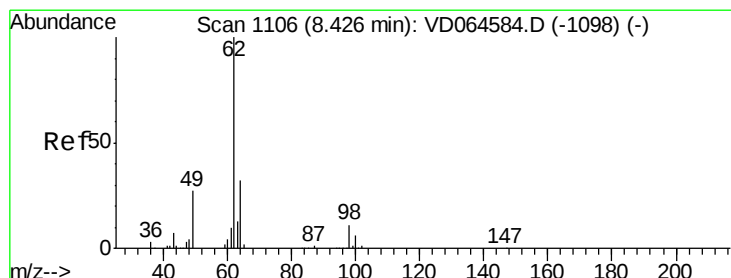
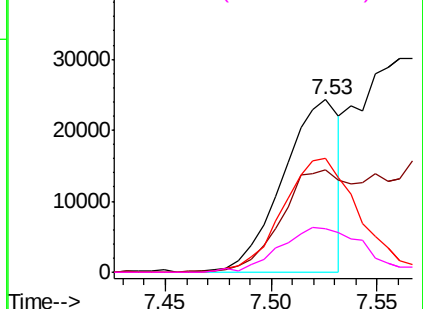
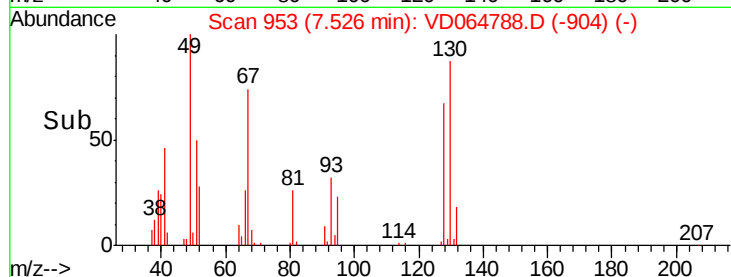
#41
Methacrylonitrile
Concen: 39.541 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 45548
Ion Ratio Lower Upper
41 100
39 69.8 46.7 70.1
67 88.5 52.5 78.7#
52 38.2 24.1 36.1#

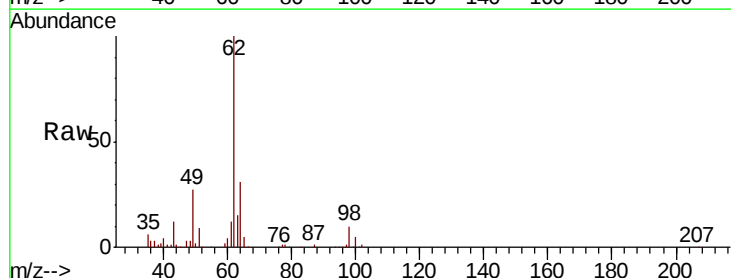


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

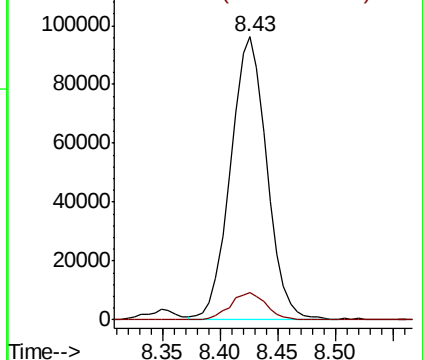
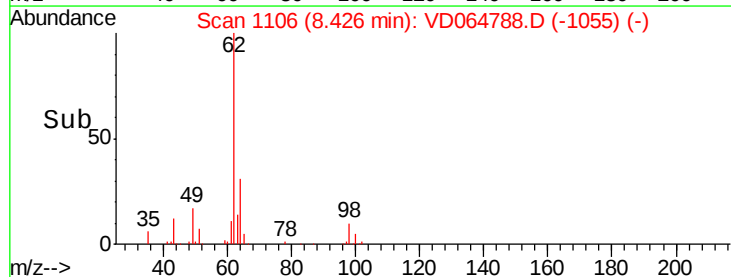


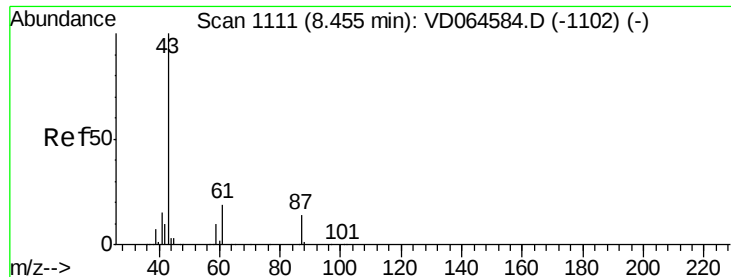
#42
1,2-Dichloroethane
Concen: 52.287 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 62 Resp: 208457
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 48.527 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

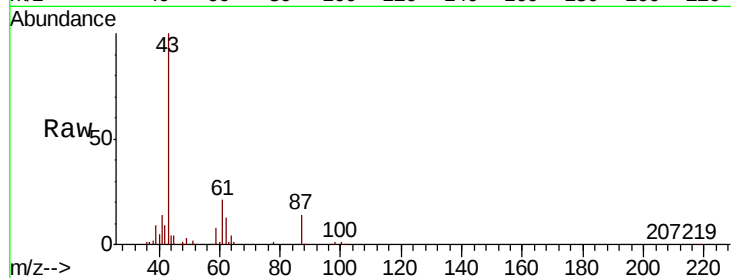
Tot Ion: 43 Resp: 191767

Ion Ratio Lower Upper

43 100

61 31.2 23.7 35.5

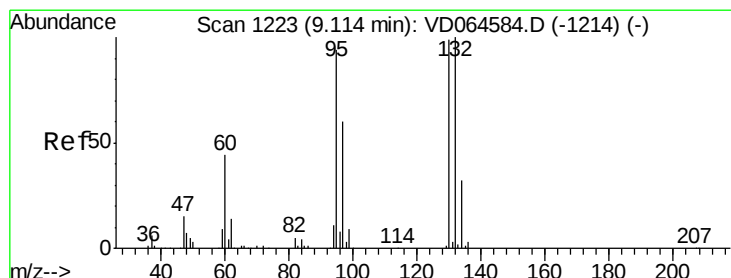
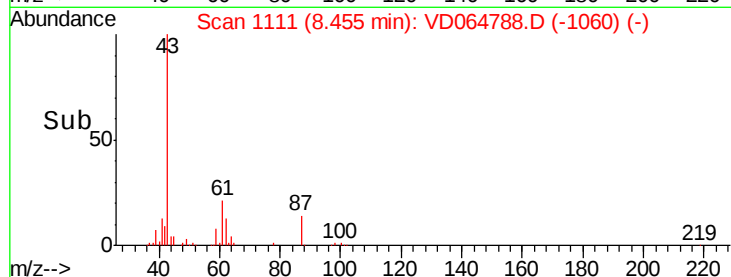
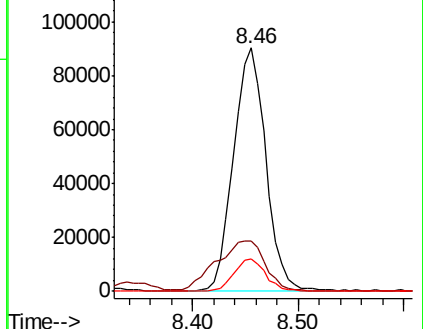
87 13.0 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.685 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064788.D

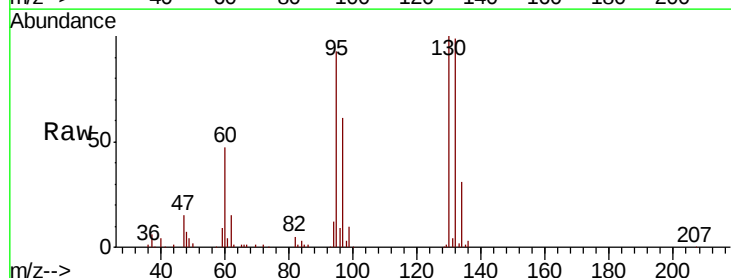
Acq: 07 Jan 2020 12:08

Tgt Ion: 130 Resp: 201369

Ion Ratio Lower Upper

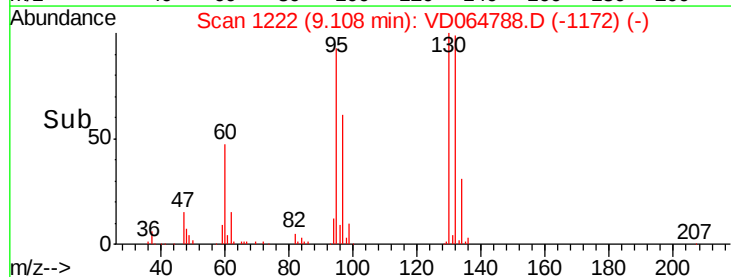
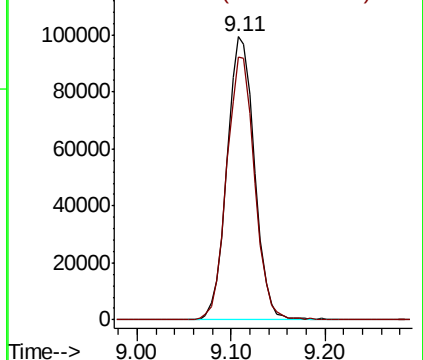
130 100

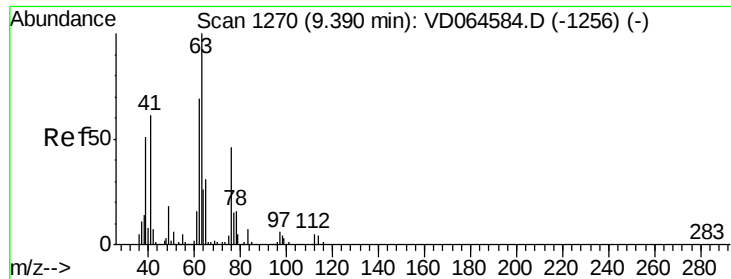
95 93.0 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

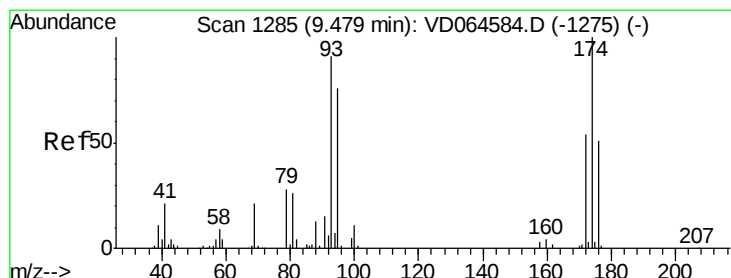
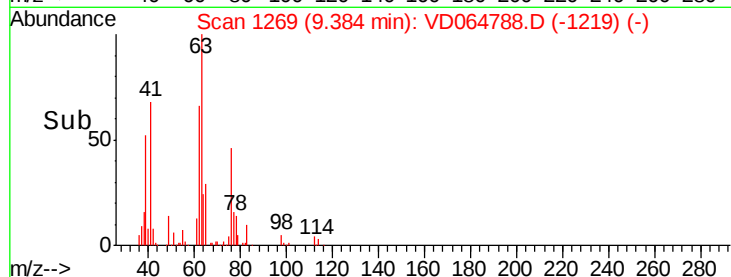
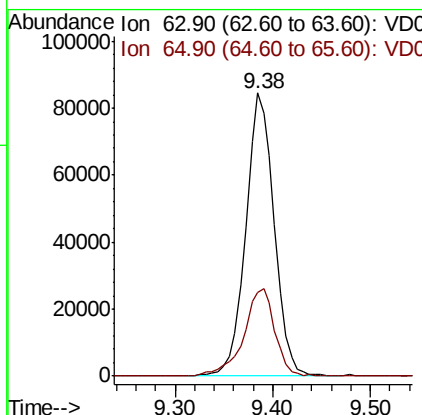
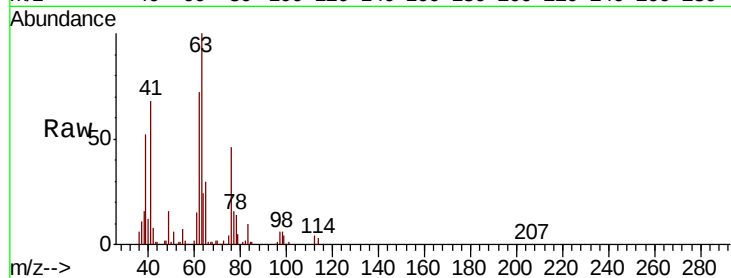




#45
 1,2-Dichloropropane
 Concen: 52.362 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

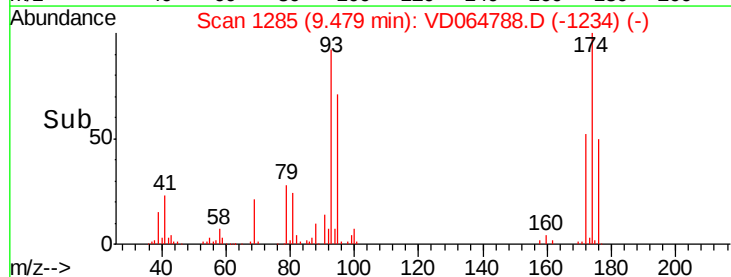
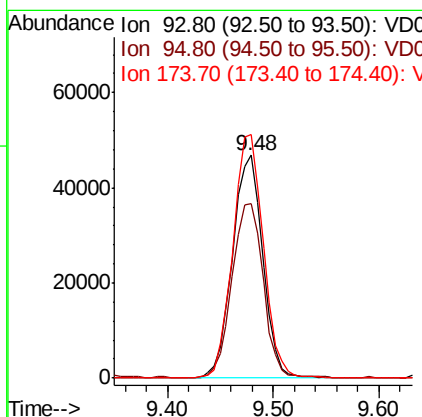
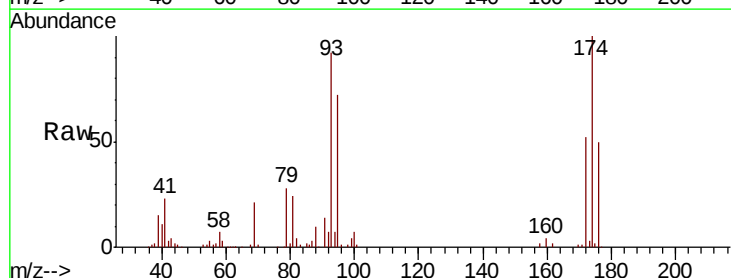
Instrument :
 MSVOA_D
 ClientSampleId :

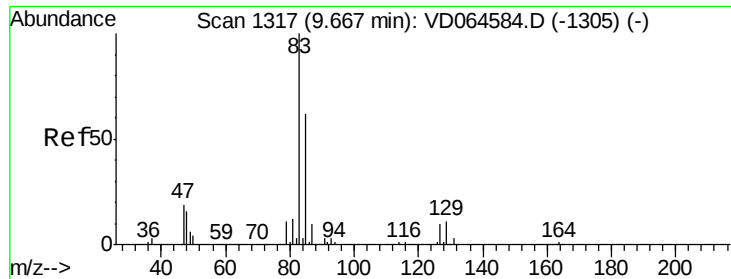
Tot Ion: 63 Resp: 172482
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8



#46
 Dibromomethane
 Concen: 50.569 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion: 93 Resp: 92872
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.6 97.0
 174 109.9 88.1 132.1





#47

Bromodichloromethane

Concen: 51.907 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

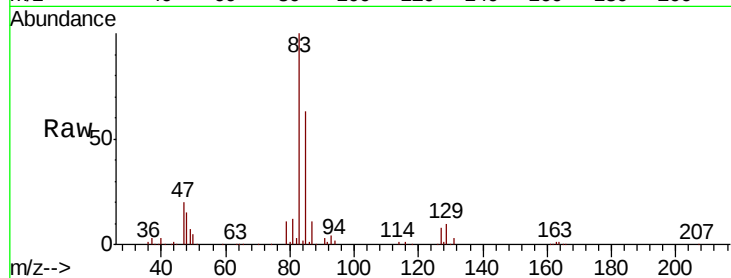
Tot Ion: 83 Resp: 253668

Ion Ratio Lower Upper

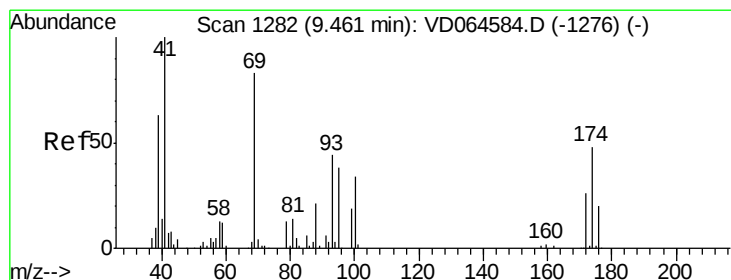
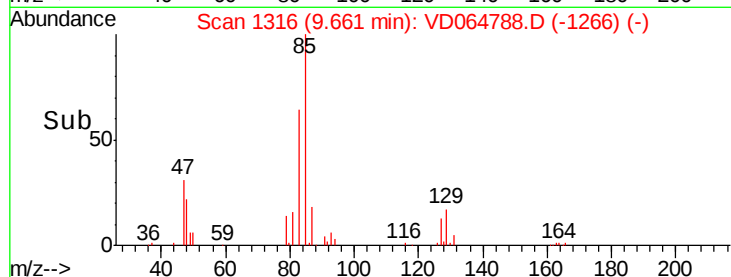
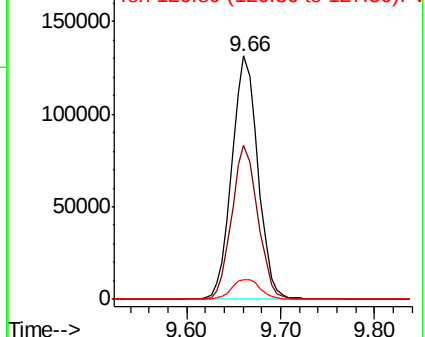
83 100

85 63.0 49.5 74.3

127 8.2 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: 48.374 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

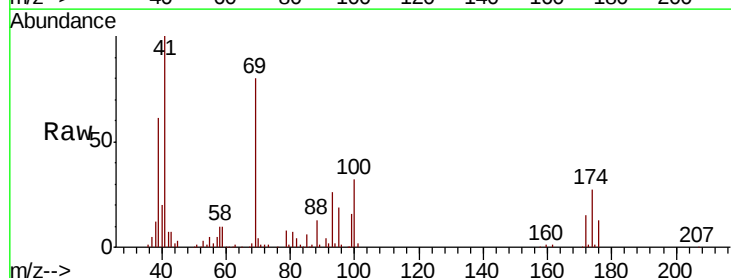
Tgt Ion: 41 Resp: 90009

Ion Ratio Lower Upper

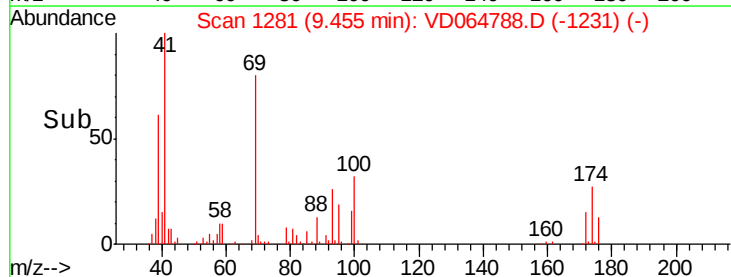
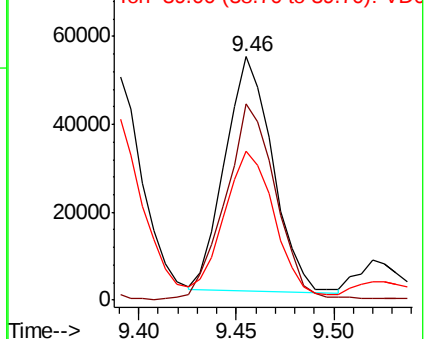
41 100

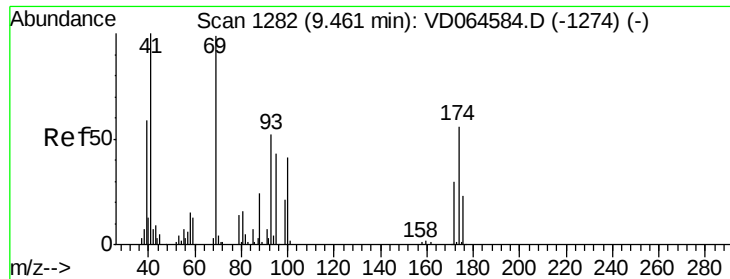
69 88.5 63.0 94.6

39 62.6 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

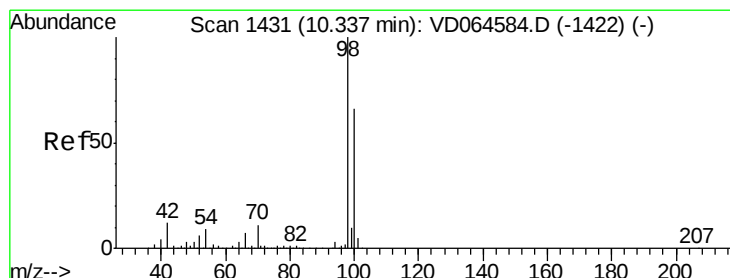
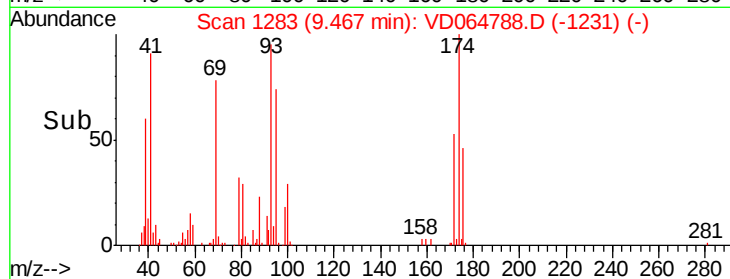
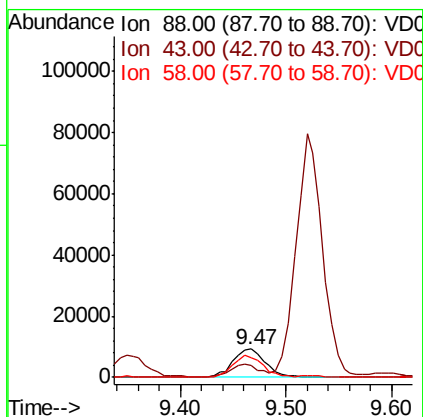
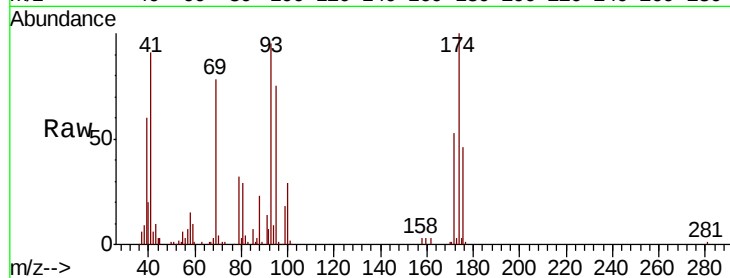




#49
1,4-Dioxane
Concen: 935.986 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

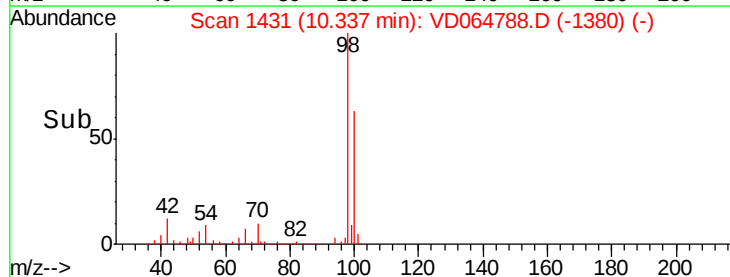
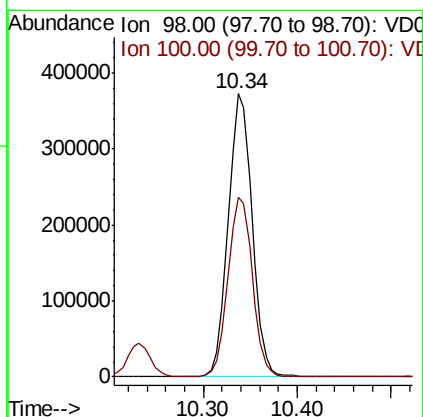
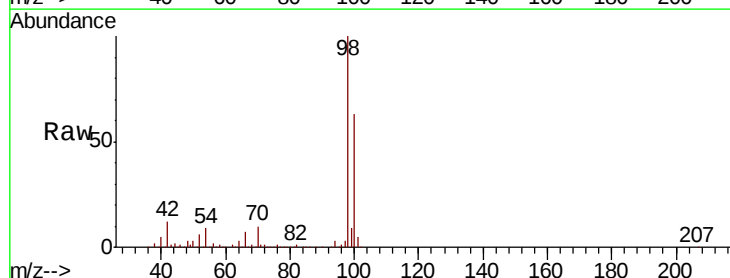
Instrument :
MSVOA_D
ClientSampled :

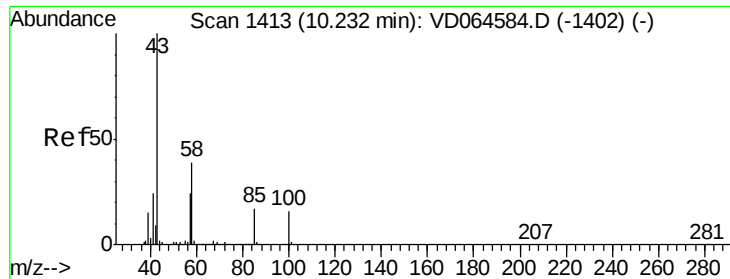
Tot Ion: 88 Resp: 19821
Ion Ratio Lower Upper
88 100
43 36.7 27.7 41.5
58 71.9 53.8 80.6



#50
Toluene-d8
Concen: 53.613 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 98 Resp: 661460
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 249.318 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

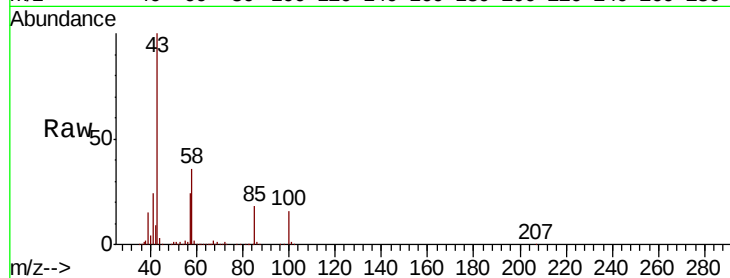
ClientSampleId :

Tot Ion: 43 Resp: 486985

Ion Ratio Lower Upper

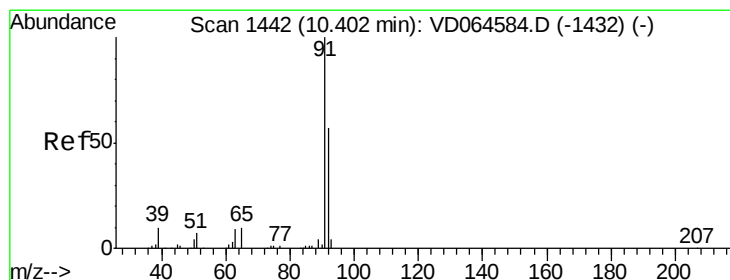
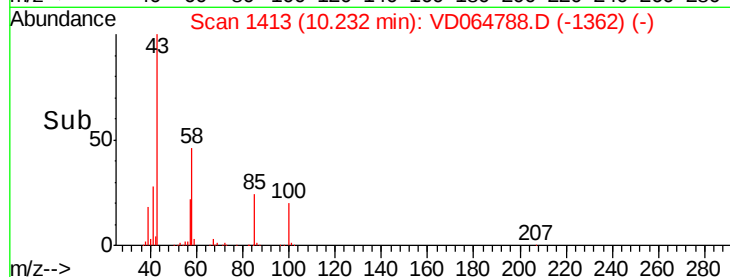
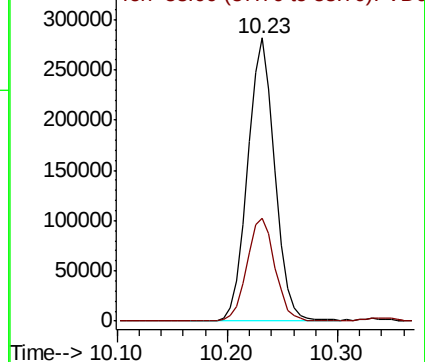
43 100

58 37.7 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: 51.149 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064788.D

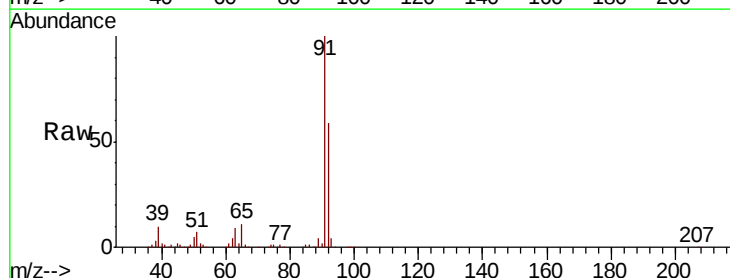
Acq: 07 Jan 2020 12:08

Tgt Ion: 92 Resp: 462969

Ion Ratio Lower Upper

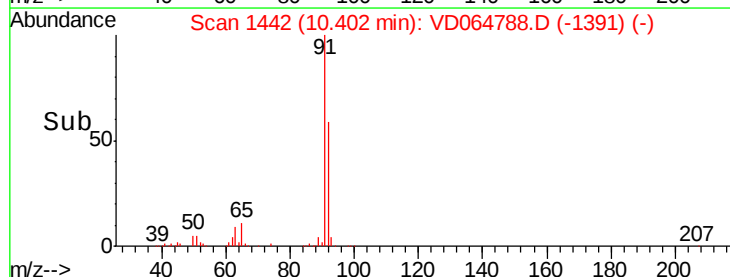
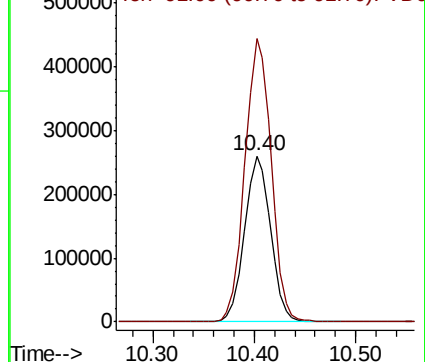
92 100

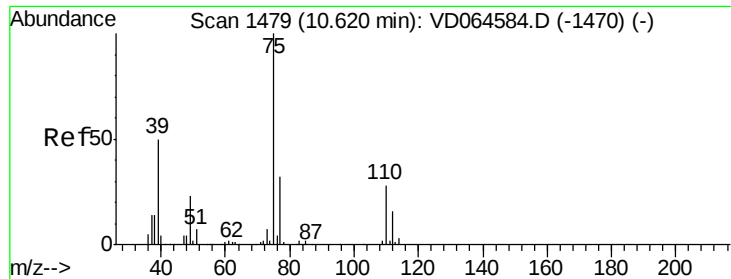
91 173.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

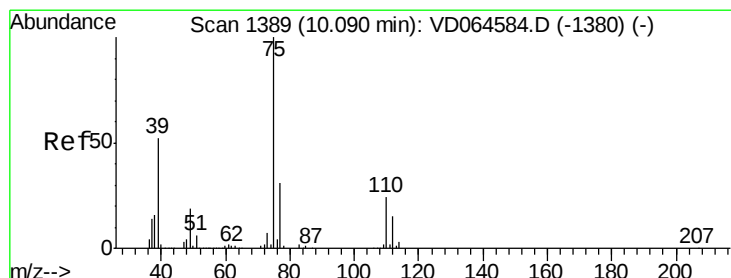
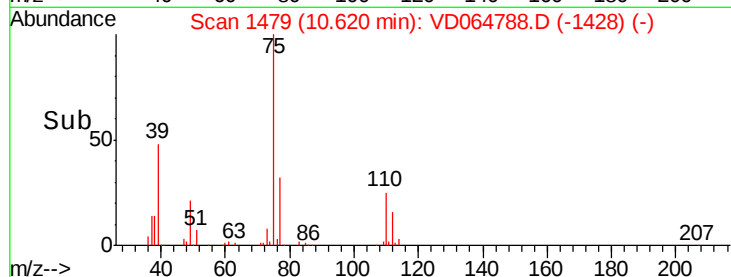
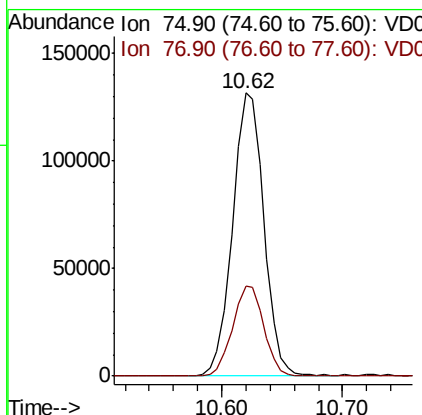
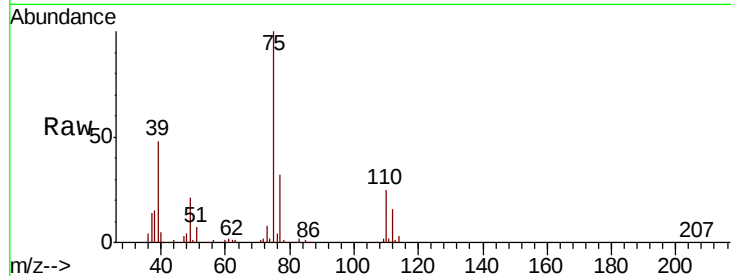




#53
t-1,3-Dichloropropene
Concen: 52.266 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

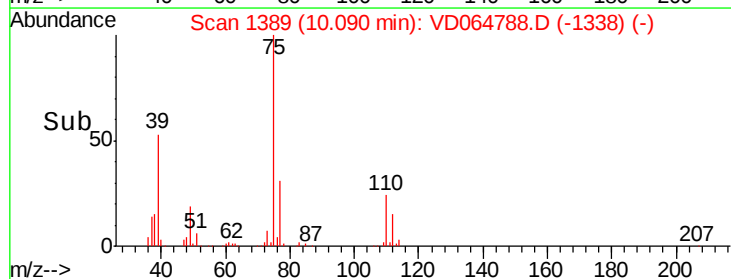
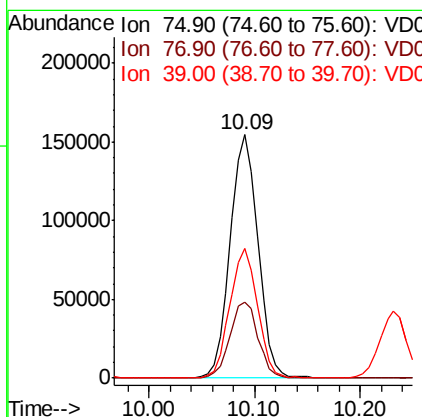
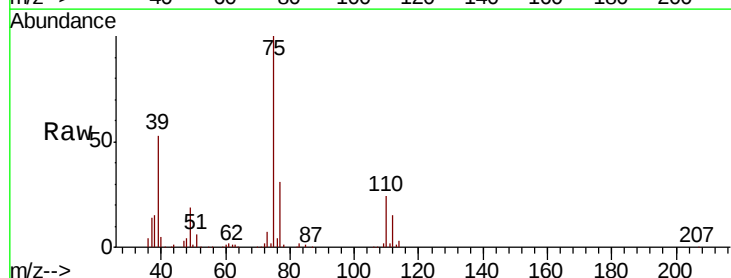
Instrument :
MSVOA_D
ClientSampleId :

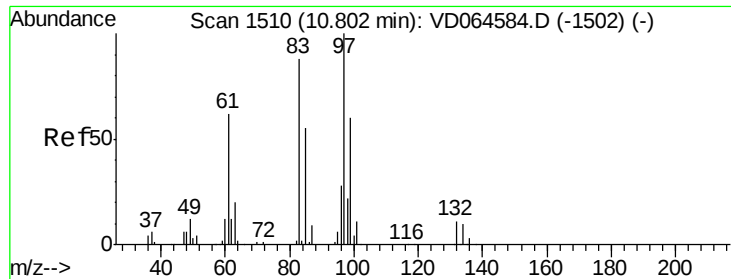
Tot Ion: 75 Resp: 238137
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 52.304 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 75 Resp: 280999
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 53.3 41.4 62.2

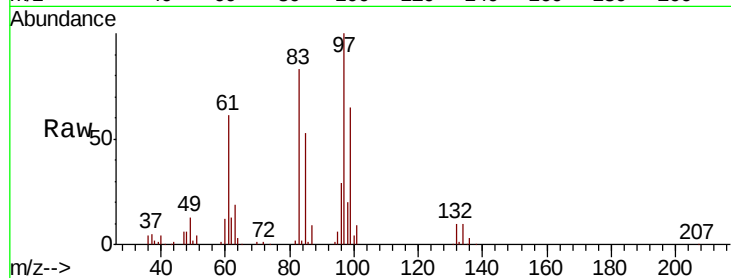




#55
 1,1,2-Trichloroethane
 Concen: 50.483 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	97	Resp	124947
Ion	Ratio	Lower	Upper
97	100		
83	83.4	70.2	105.4
85	53.2	44.0	66.0
99	64.8	47.8	71.6



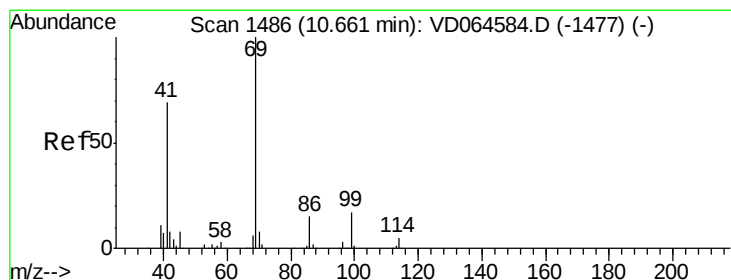
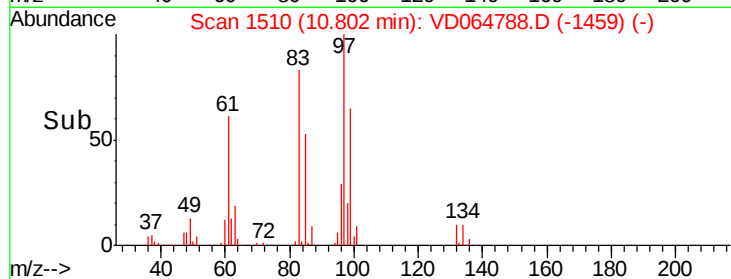
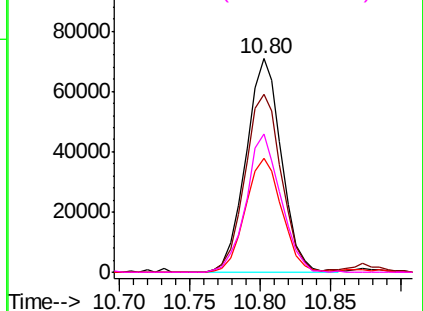
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

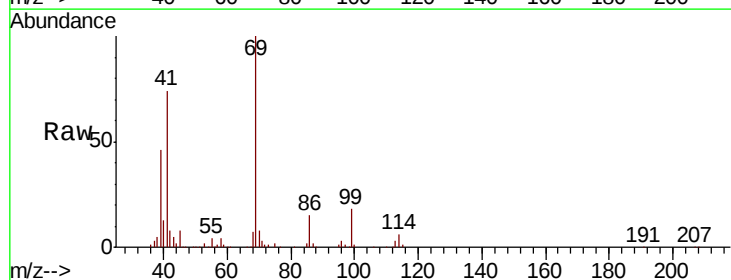
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 50.248 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion	69	Resp	155320
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.3	82.9
39	42.7	33.8	50.8

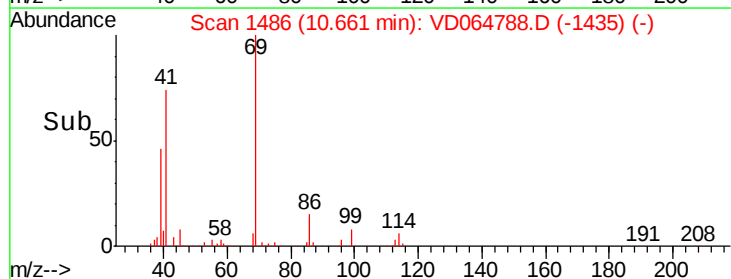
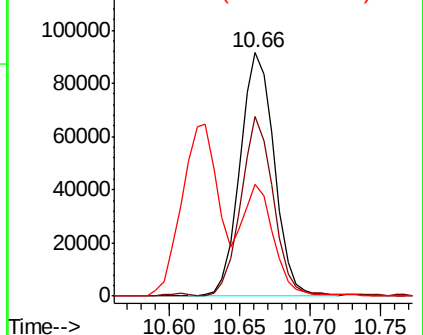


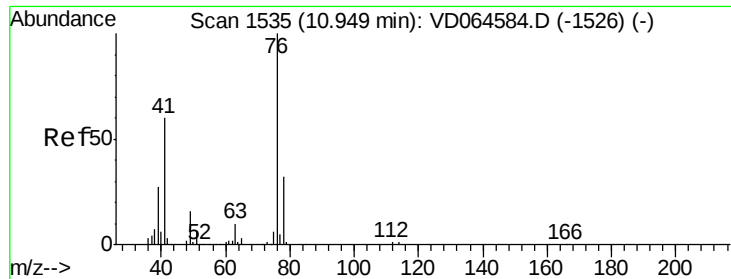
Abundance

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

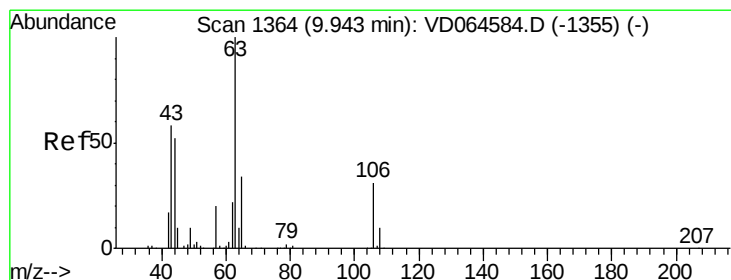
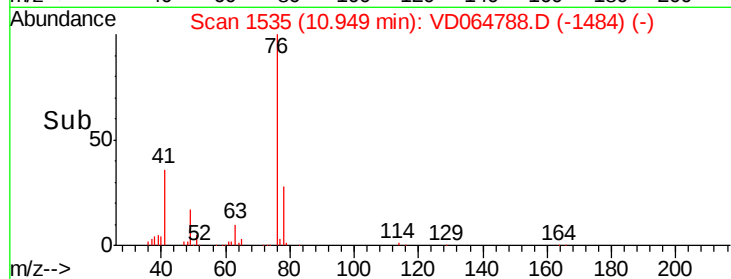
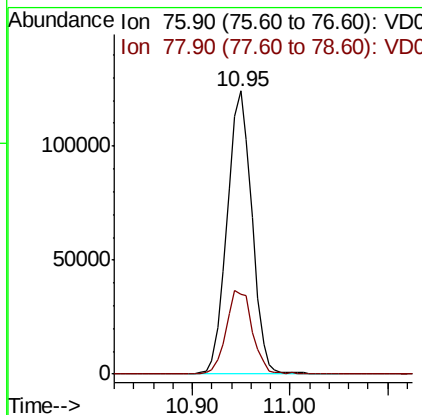
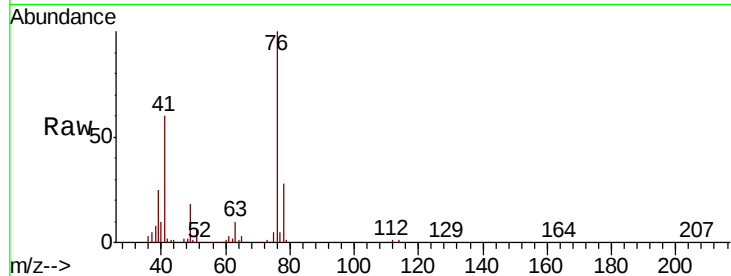




#57
 1,3-Dichloropropane
 Concen: 51.446 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

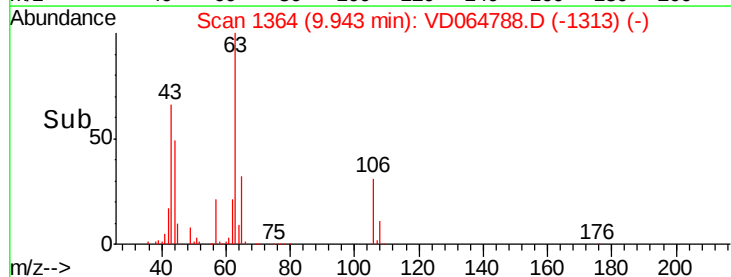
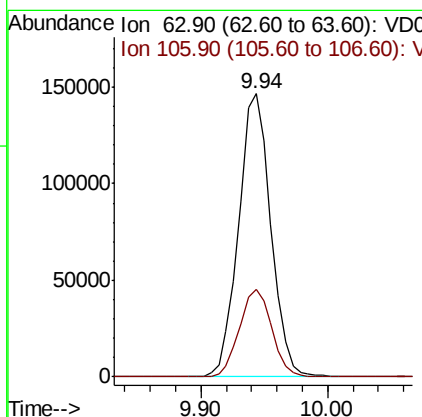
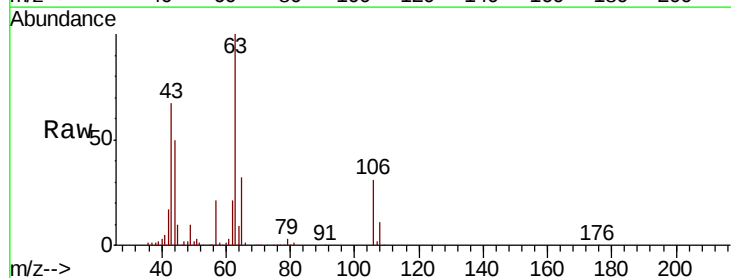
Instrument :
 MSVOA_D
 ClientSampleId :

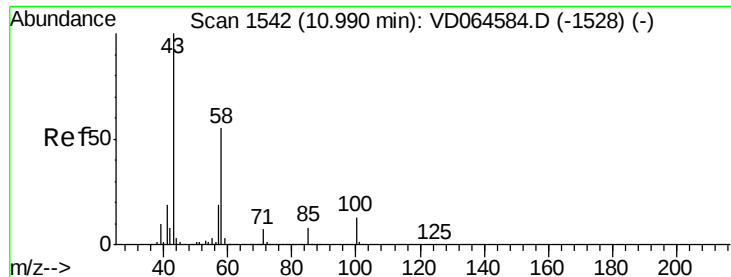
Tot Ion: 76 Resp: 219240
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.349 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion: 63 Resp: 258318
 Ion Ratio Lower Upper
 63 100
 106 31.0 23.8 35.8

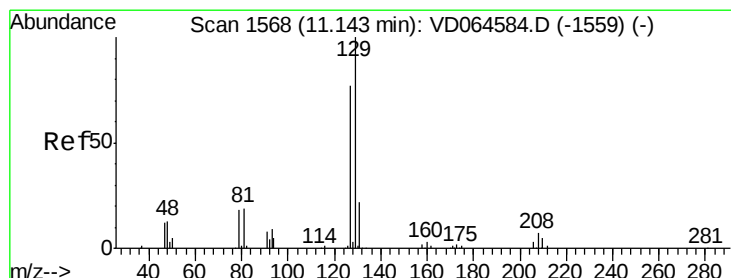
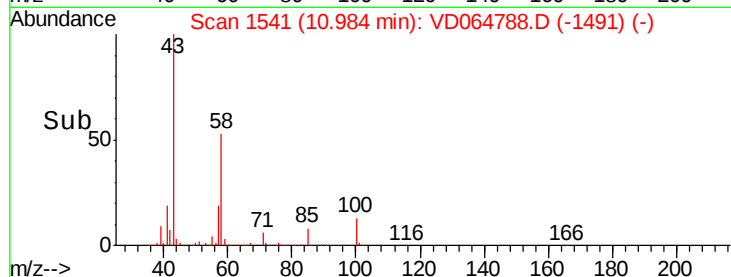
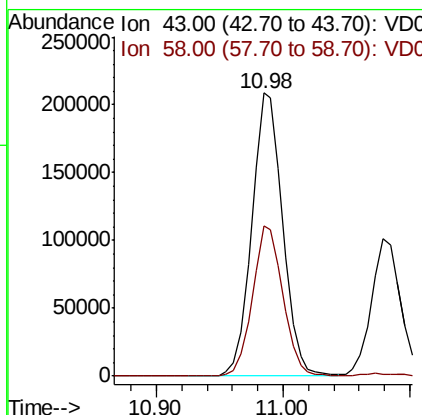
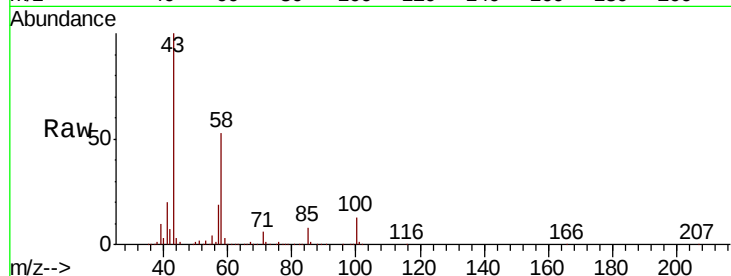




#59
2-Hexanone
Concen: 267.778 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

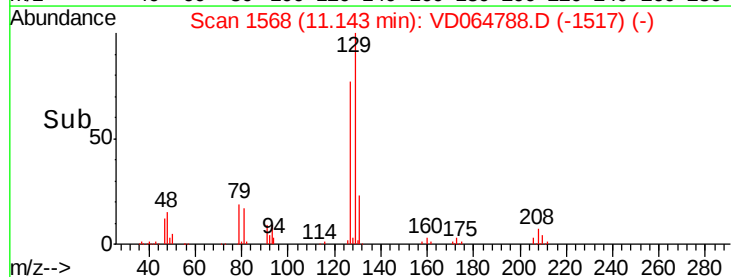
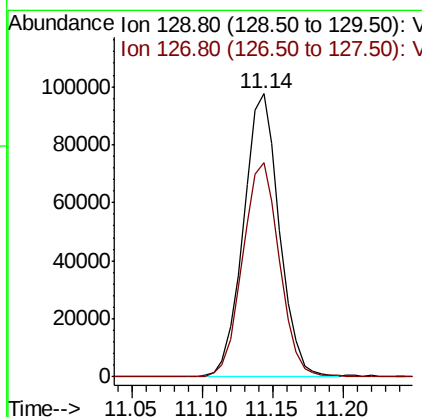
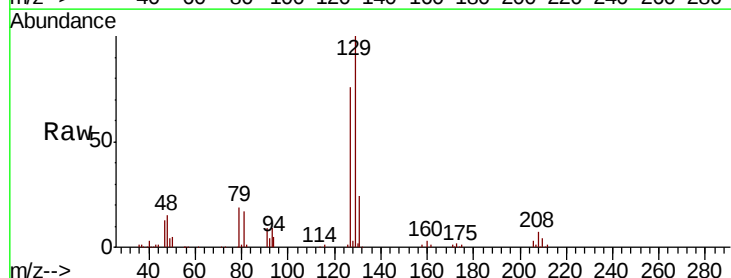
Instrument :
MSVOA_D
ClientSampled :

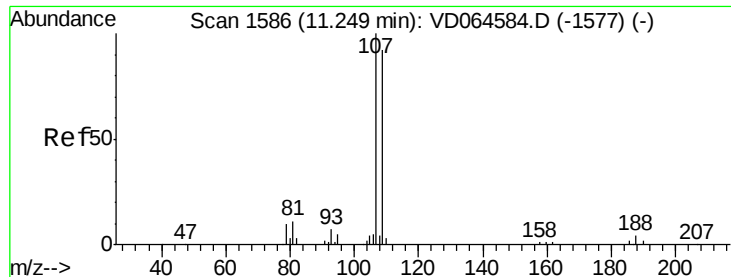
Tot Ion: 43 Resp: 354999
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0



#60
Dibromochloromethane
Concen: 50.704 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 129 Resp: 173544
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

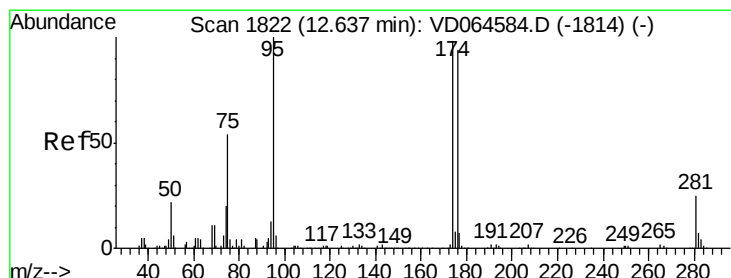
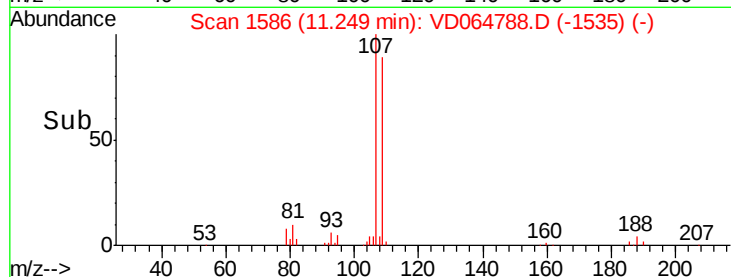
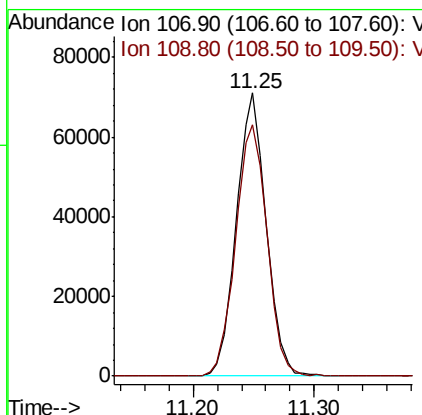
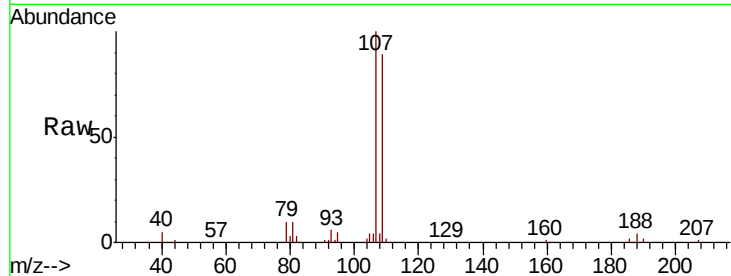




#61
 1,2-Dibromoethane
 Concen: 50.156 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

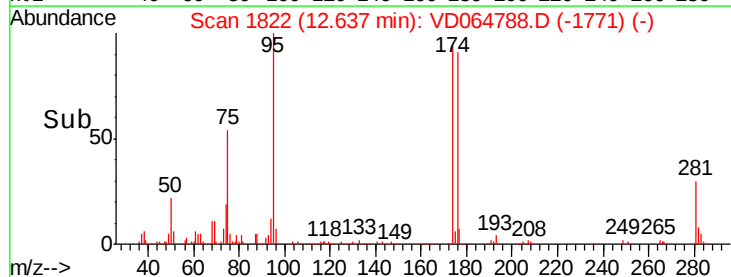
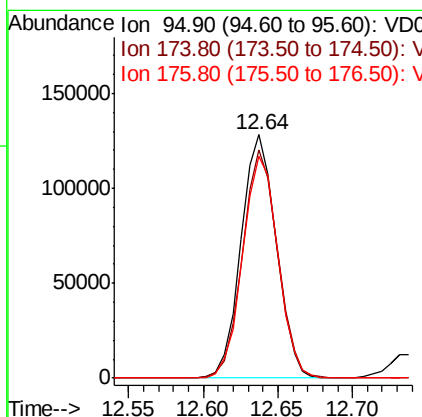
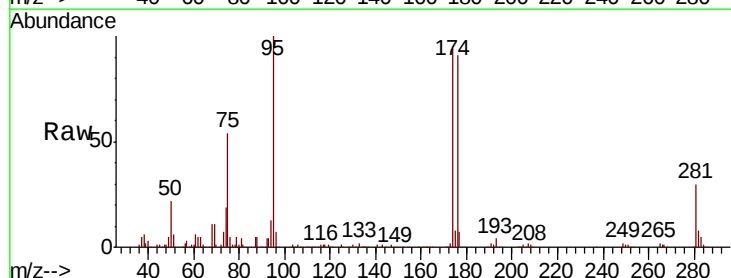
Instrument :
 MSVOA_D
 ClientSampleId :

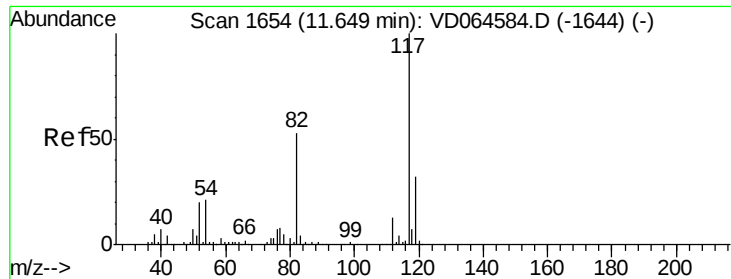
Tot Ion:107 Resp: 122441
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.549 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion: 95 Resp: 208908
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 193.2
 176 91.3 0.0 184.2

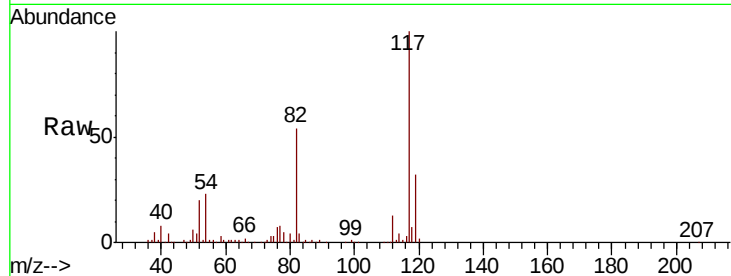




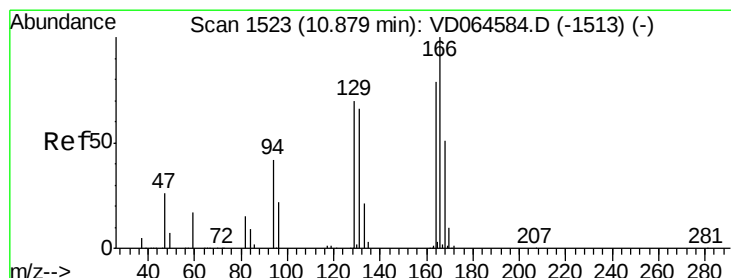
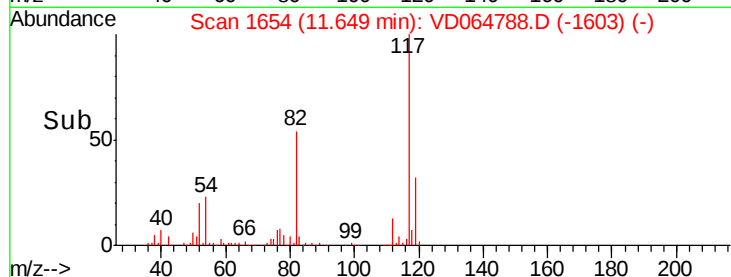
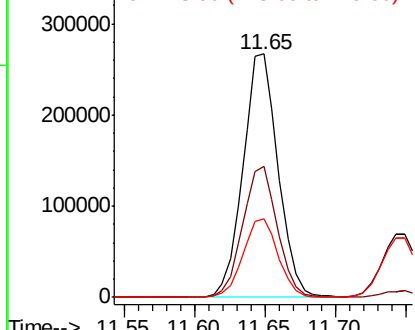
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 464013
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.3 26.0 39.0

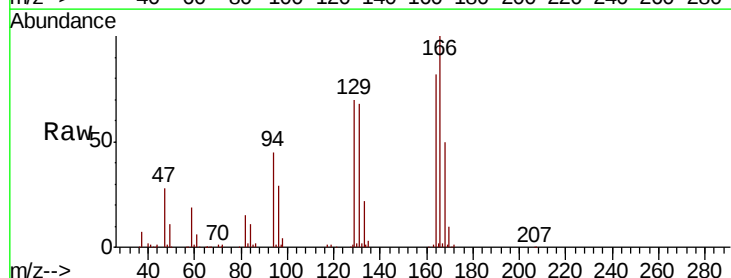


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

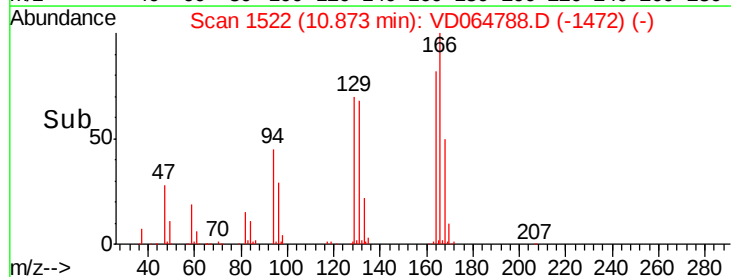
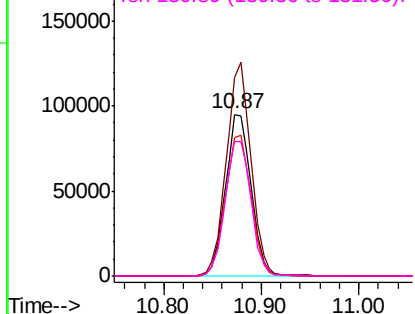


#64
Tetrachloroethene
Concen: 48.442 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion:164 Resp: 172446
Ion Ratio Lower Upper
164 100
166 122.5 101.3 151.9
129 85.5 70.5 105.7
131 82.9 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

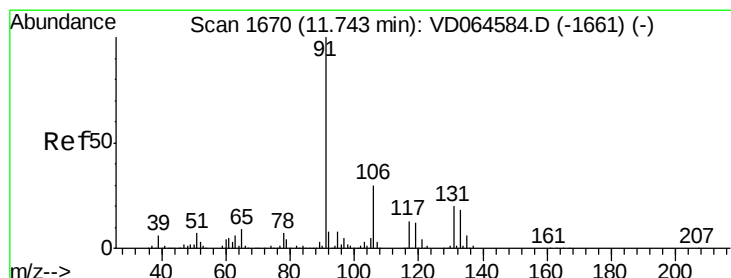
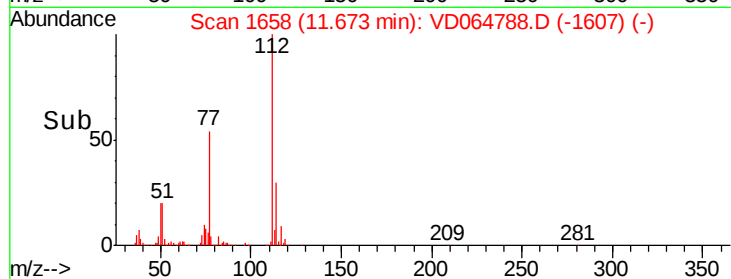
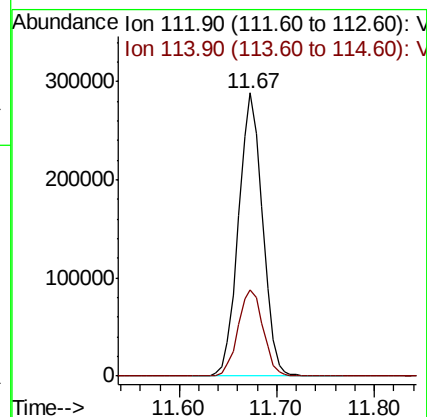
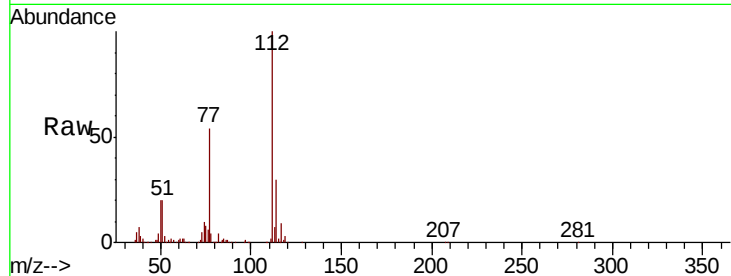




#65
Chlorobenzene
Concen: 51.085 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

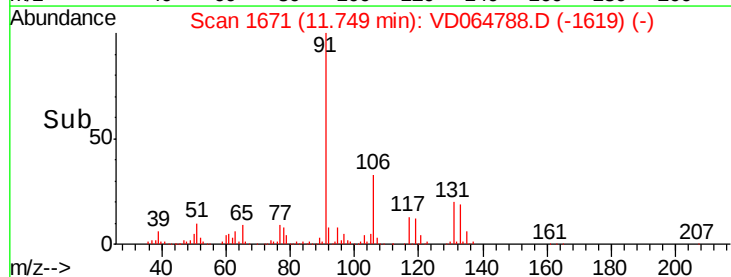
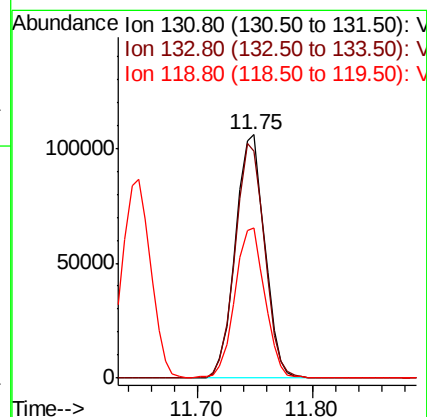
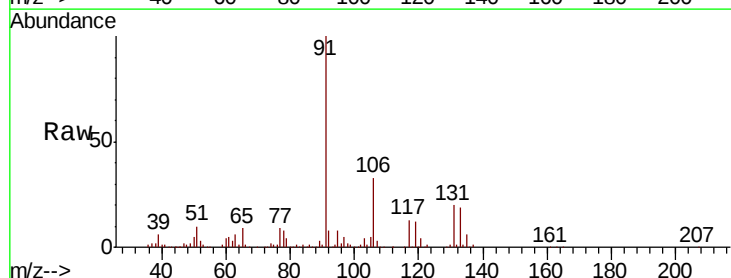
Instrument :
MSVOA_D
ClientSampleId :

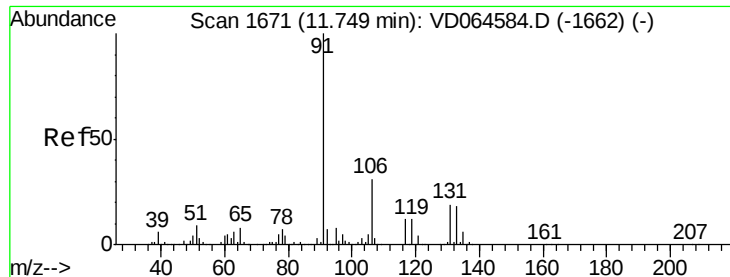
Tot Ion:112 Resp: 491972
Ion Ratio Lower Upper
112 100
114 30.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.596 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion:131 Resp: 187321
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 63.0 32.1 96.3





#67

Ethyl Benzene

Concen: 50.664 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

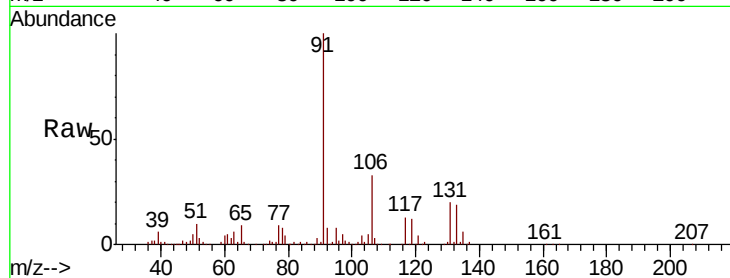
ClientSampled :

Tot Ion: 91 Resp: 885612

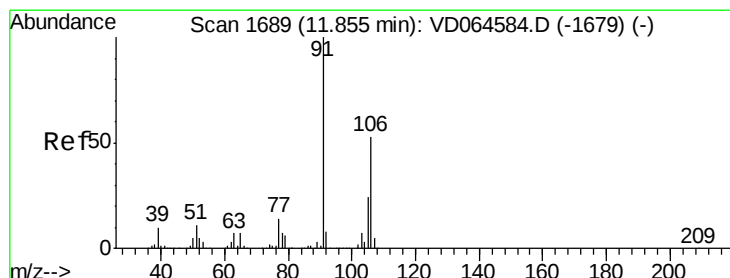
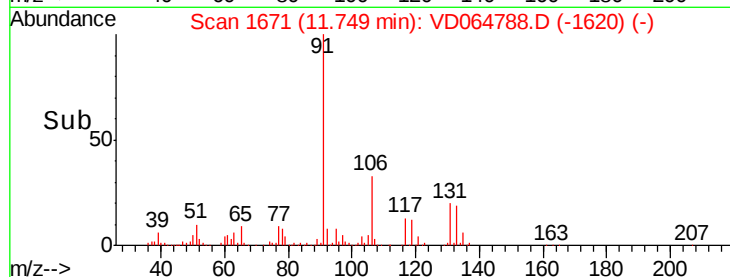
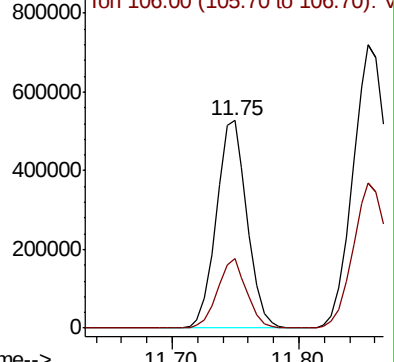
Ion Ratio Lower Upper

91 100

106 33.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 102.842 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064788.D

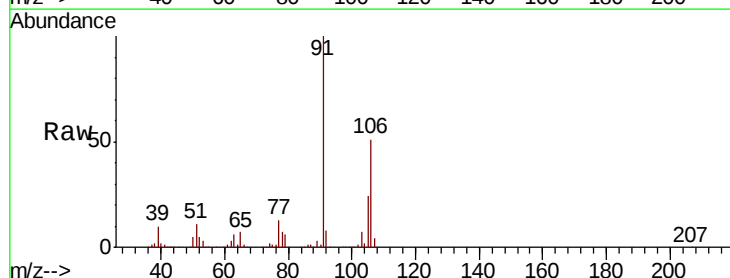
Acq: 07 Jan 2020 12:08

Tgt Ion: 106 Resp: 693868

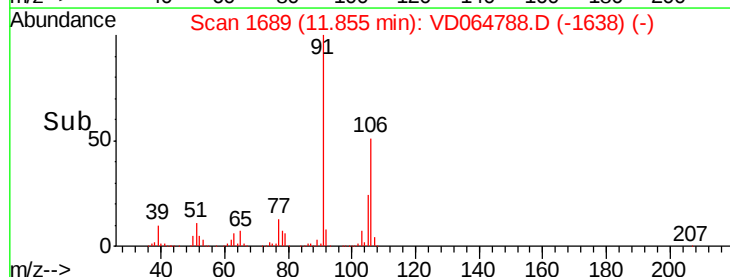
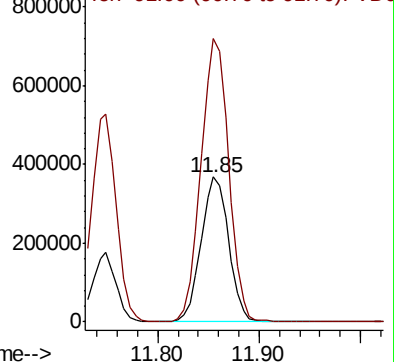
Ion Ratio Lower Upper

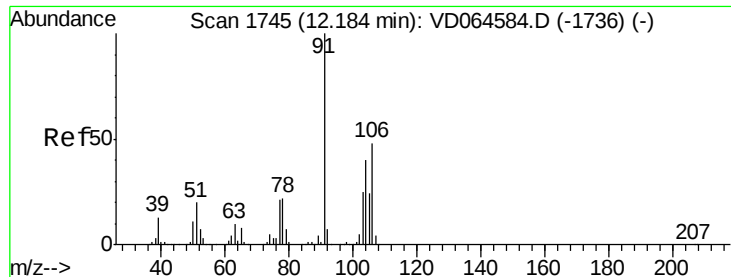
106 100

91 196.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

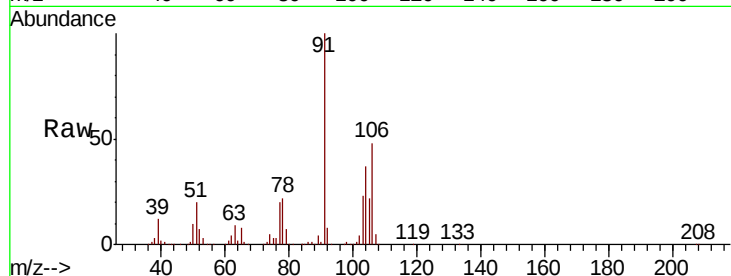




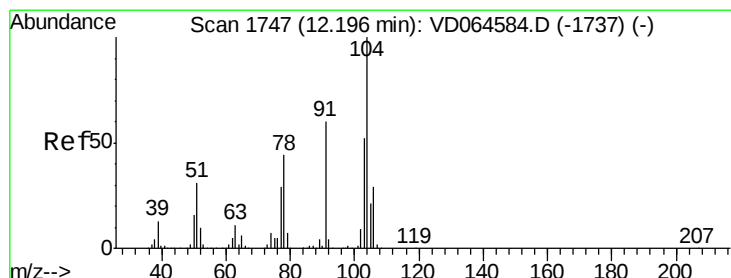
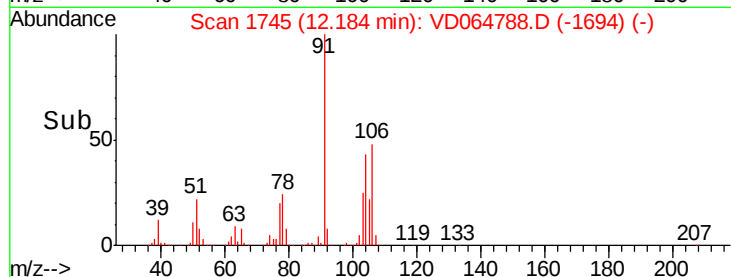
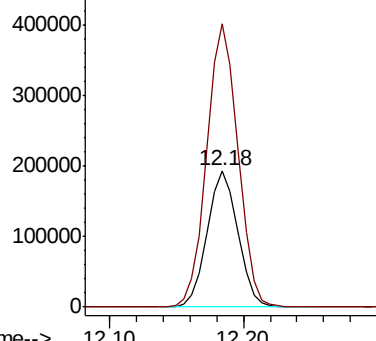
#69
o-Xylene
Concen: 50.586 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 308280
Ion Ratio Lower Upper
106 100
91 210.8 104.8 314.4

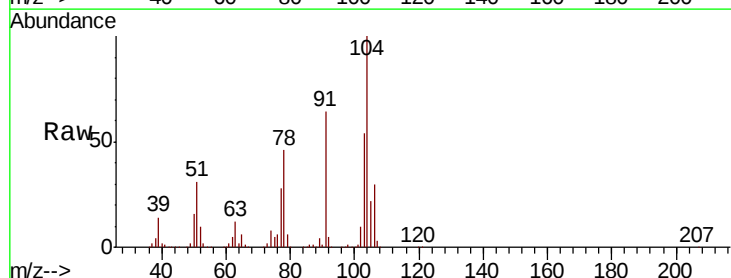


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

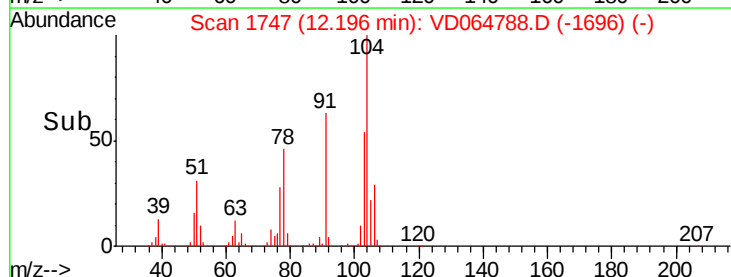
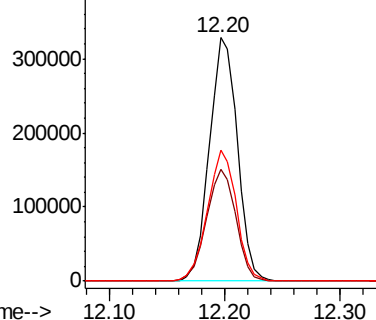


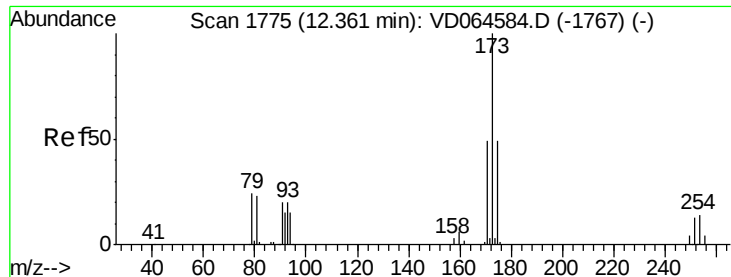
#70
Styrene
Concen: 51.608 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion:104 Resp: 552049
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 55.6 44.6 67.0



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





#71

Bromoform

Concen: 49.112 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampled :

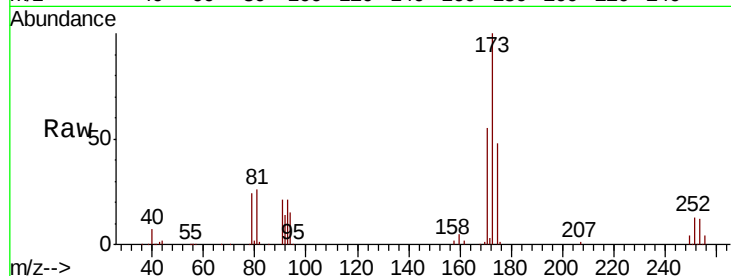
Tot Ion:173 Resp: 101682

Ion Ratio Lower Upper

173 100

175 47.5 24.6 73.8

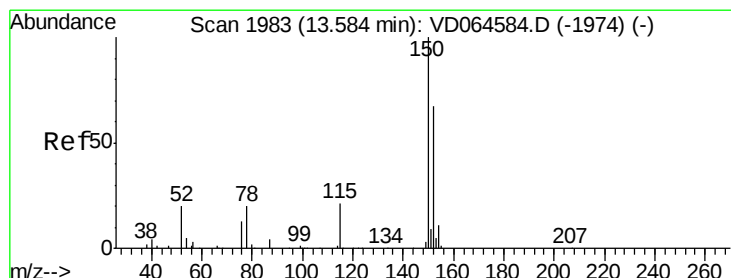
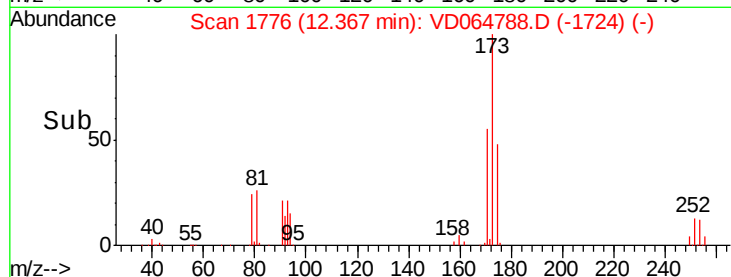
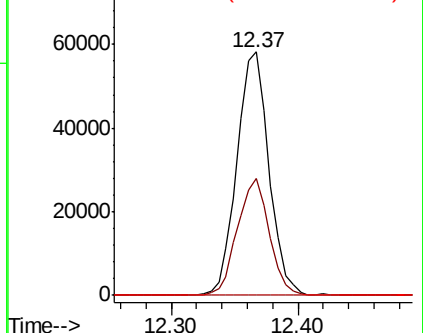
254 0.1 0.1 0.1



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: VD064788.D

Acq: 07 Jan 2020 12:08

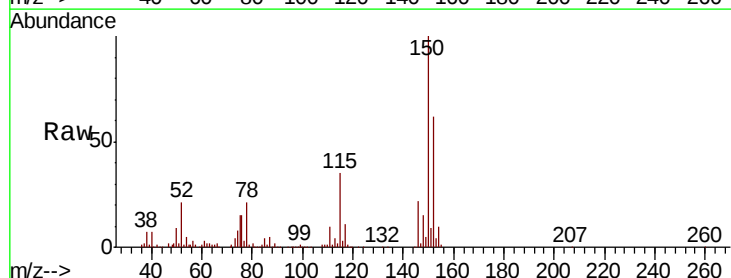
Tgt Ion:152 Resp: 230455

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

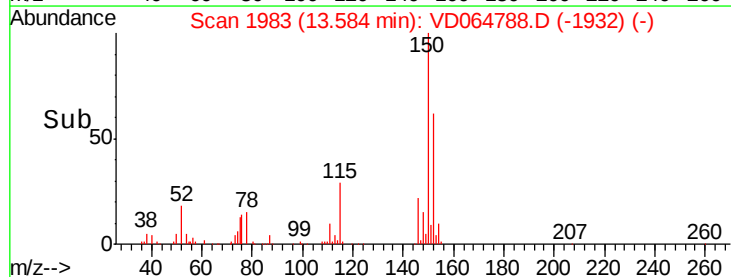
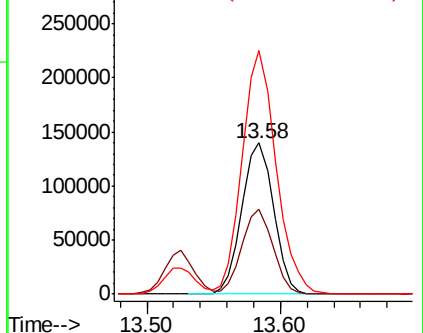
150 171.5 0.0 351.4

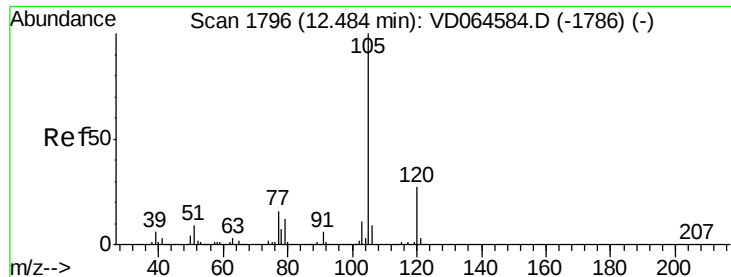


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.546 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

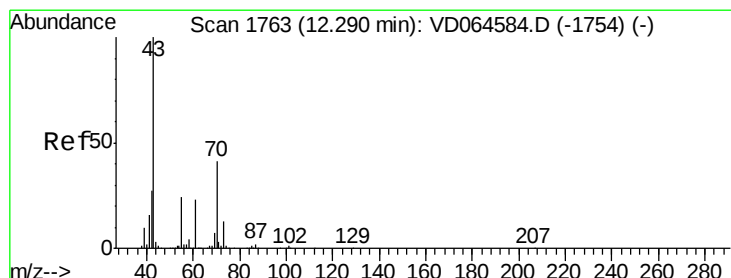
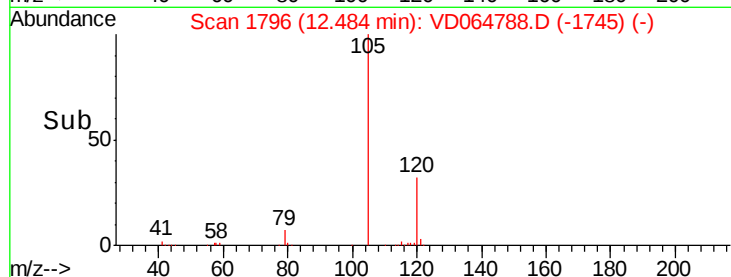
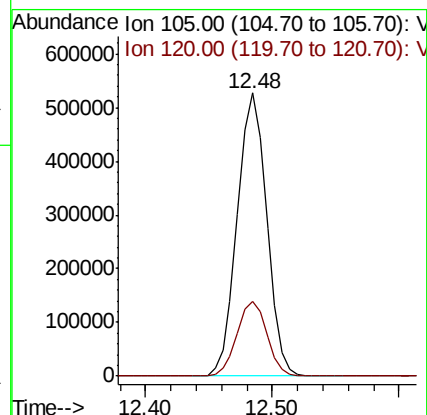
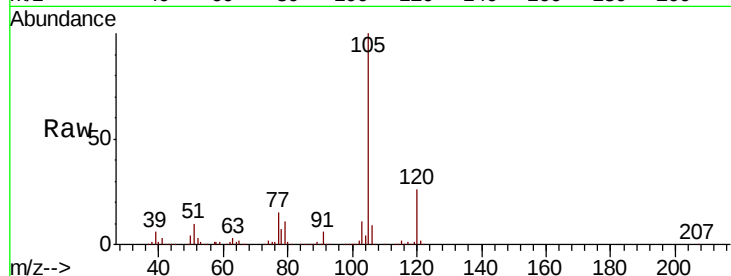
ClientSampleId :

Tot Ion:105 Resp: 848909

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



#74

N-ethyl acetate

Concen: 49.294 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Tgt Ion: 43 Resp: 173535

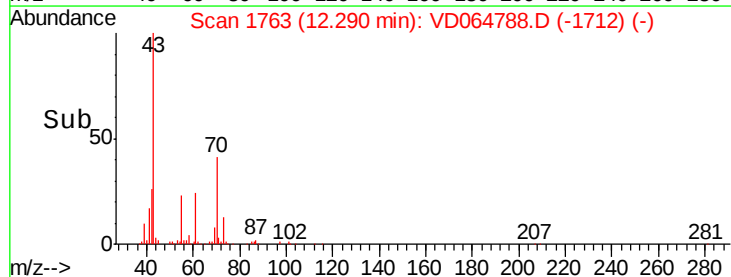
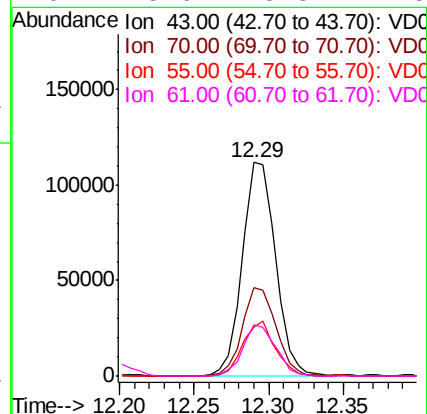
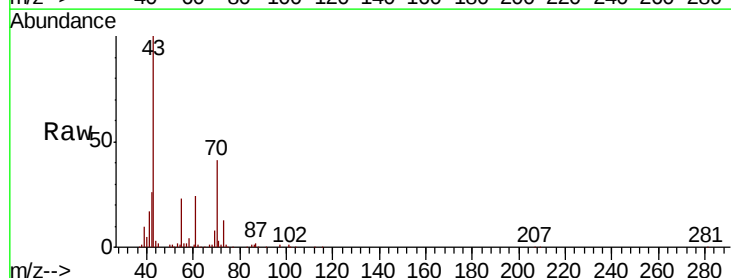
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 24.7 19.4 29.0

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.469 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

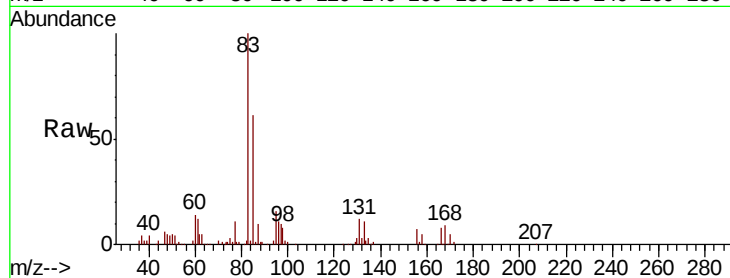
Tot Ion: 83 Resp: 127982

Ion Ratio Lower Upper

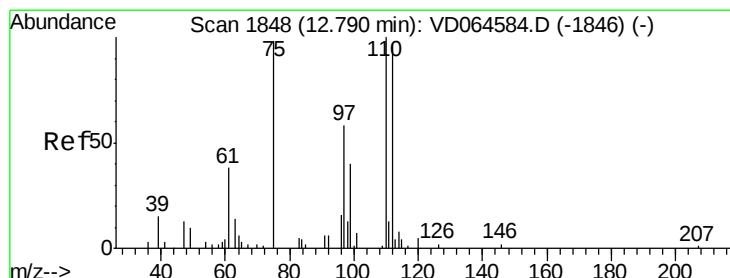
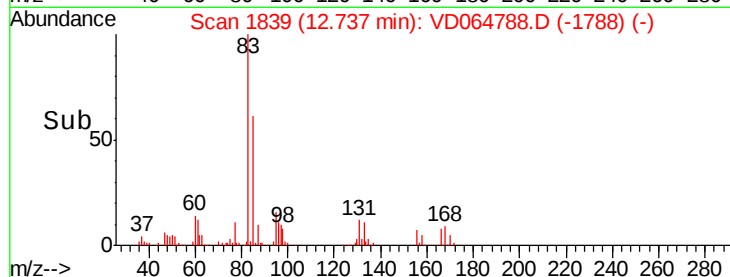
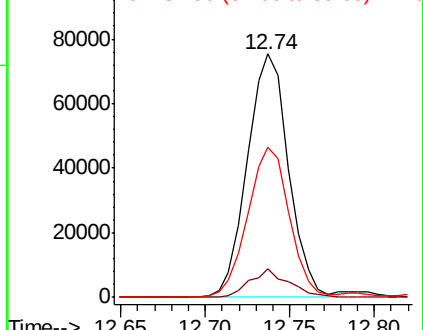
83 100

131 11.2 5.8 17.4

85 62.2 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: 98.001 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064788.D

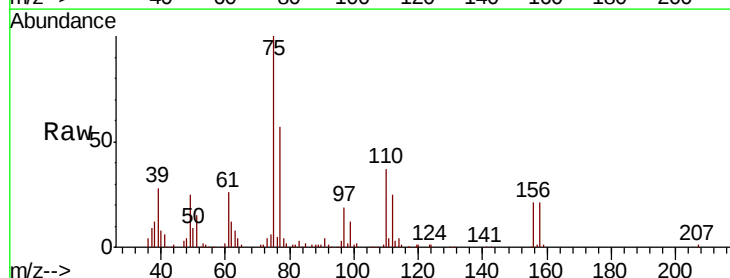
Acq: 07 Jan 2020 12:08

Tgt Ion: 75 Resp: 178344

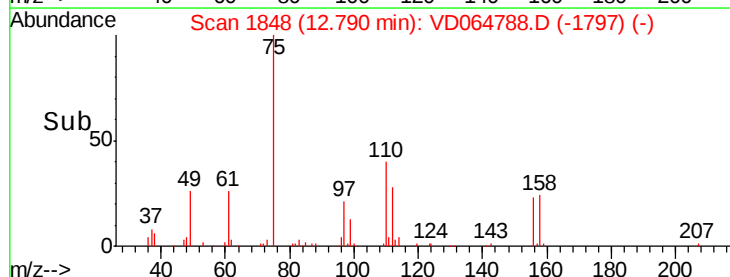
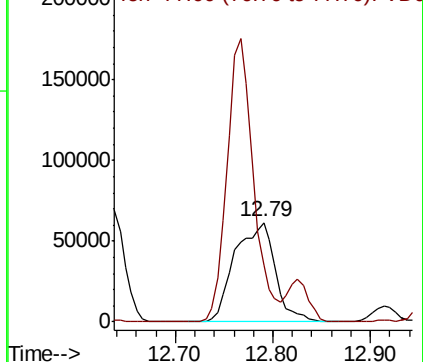
Ion Ratio Lower Upper

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

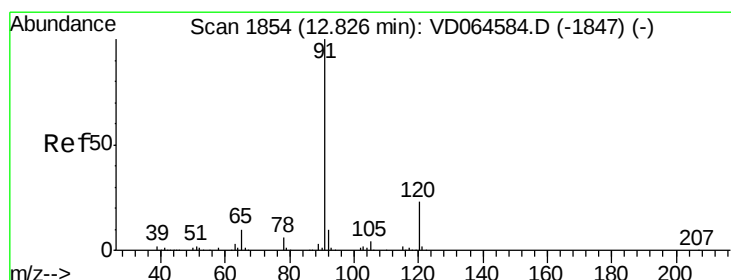
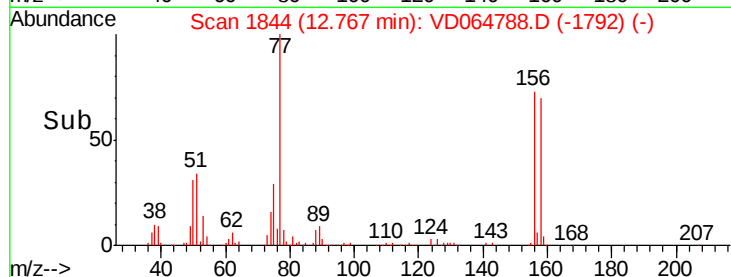
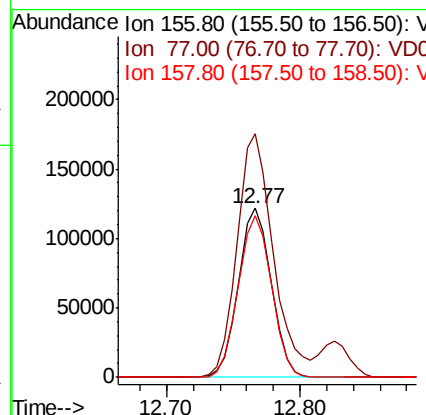
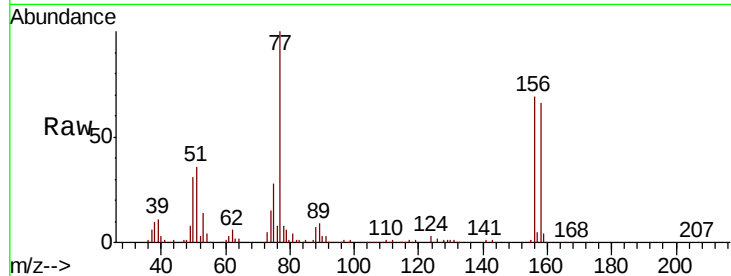




#77
Bromobenzene
Concen: 51.427 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

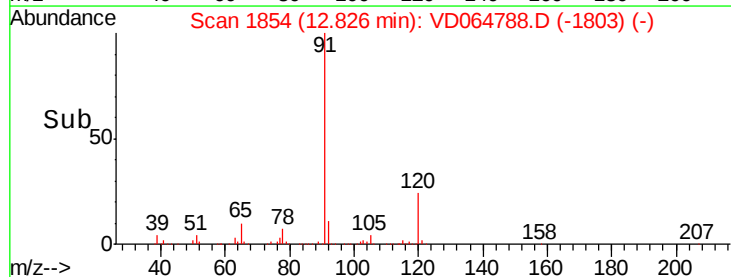
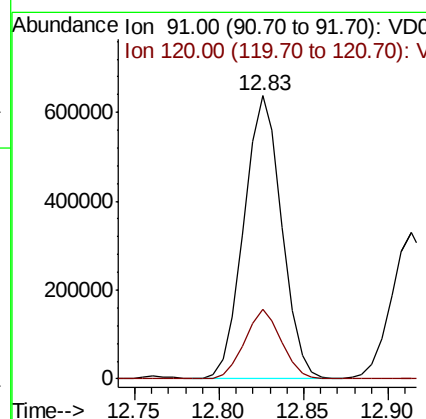
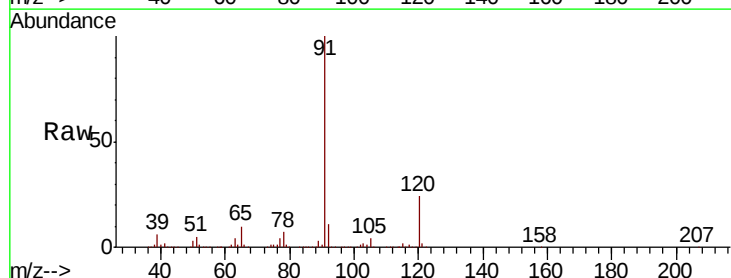
Instrument :
MSVOA_D
ClientSampleId :

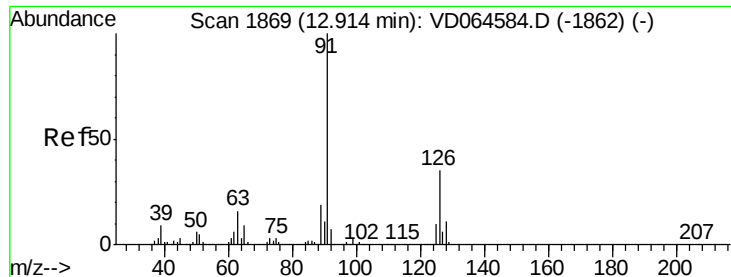
Tot Ion:156 Resp: 208107
Ion Ratio Lower Upper
156 100
77 159.3 80.9 242.7
158 96.9 48.0 144.2



#78
n-propylbenzene
Concen: 51.612 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 91 Resp: 991626
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.9

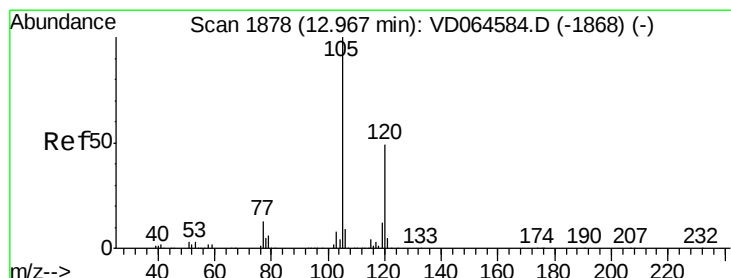
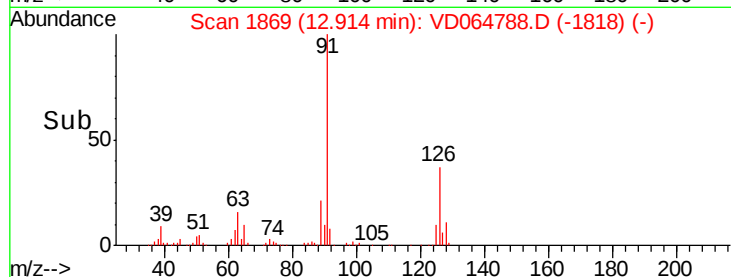
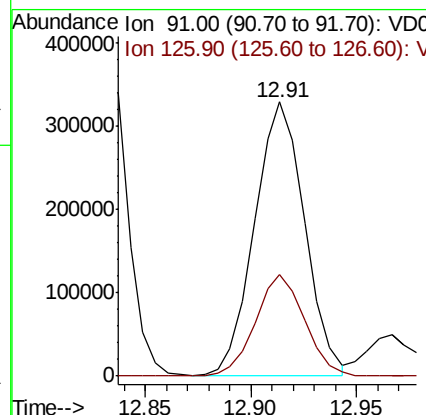
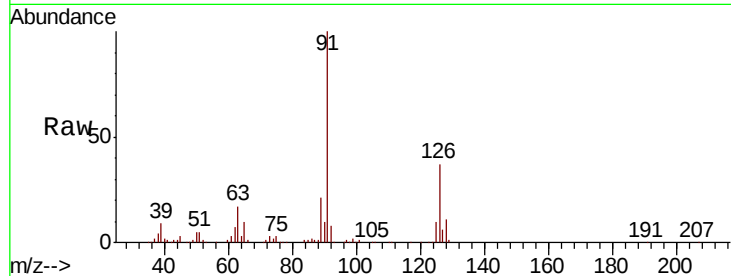




#79
 2-Chlorotoluene
 Concen: 51.368 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

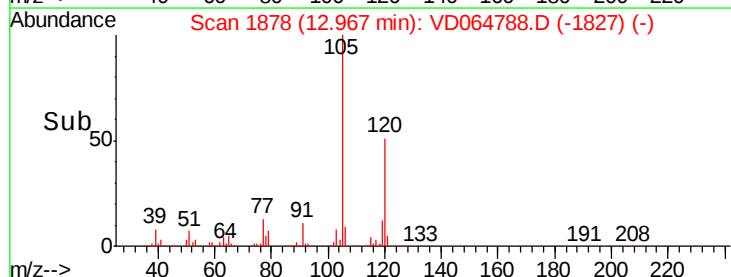
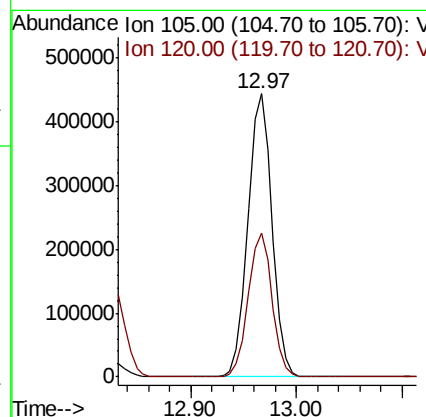
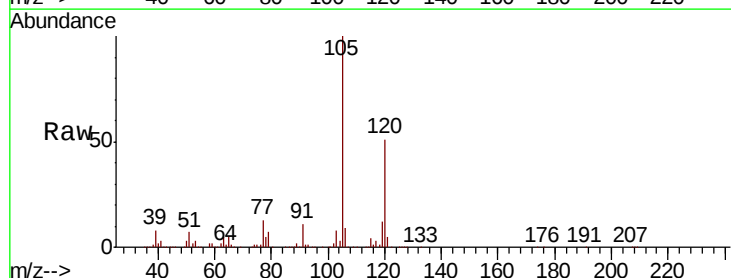
Instrument :
 MSVOA_D
 ClientSampled :

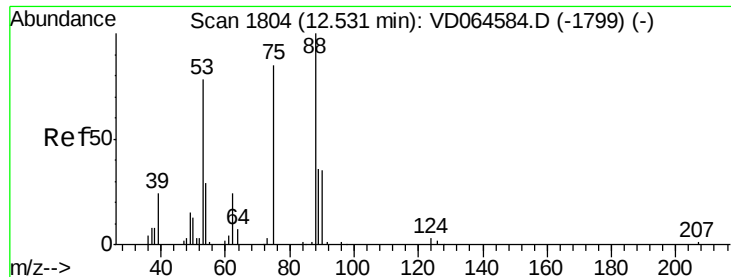
Tot Ion: 91 Resp: 542160
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 52.010 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion: 105 Resp: 703612
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.751 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

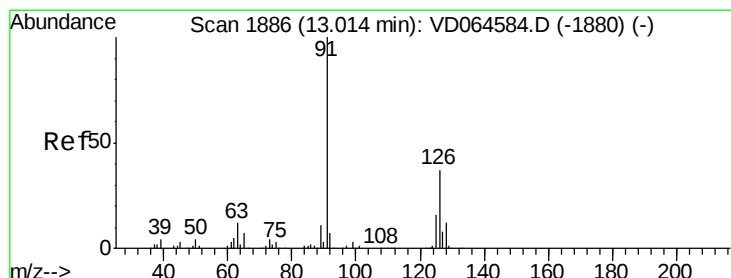
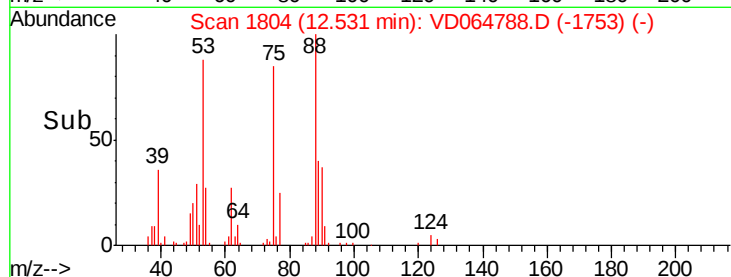
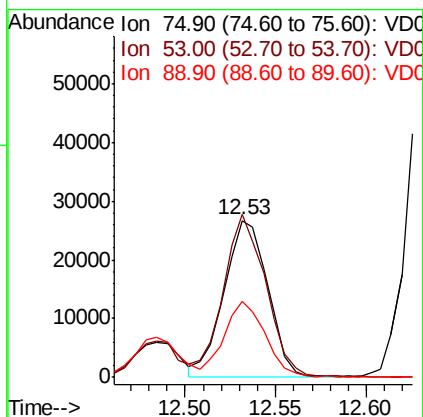
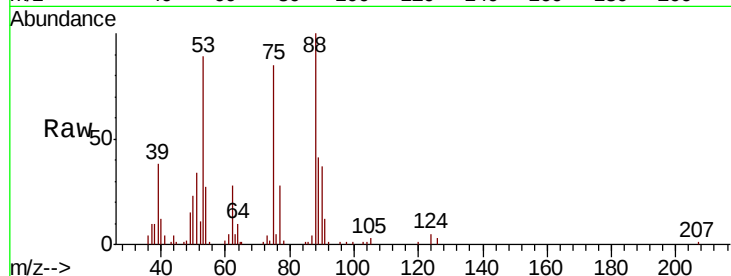
Tot Ion: 75 Resp: 45029

Ion Ratio Lower Upper

75 100

53 101.2 78.8 118.2

89 45.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 50.861 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064788.D

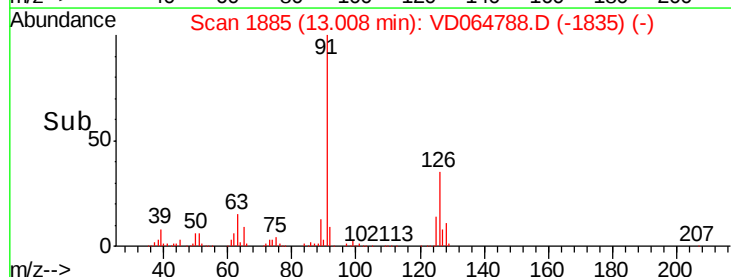
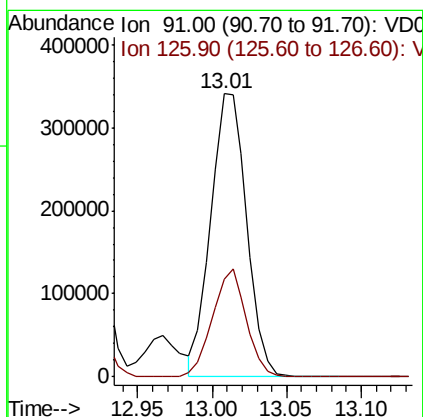
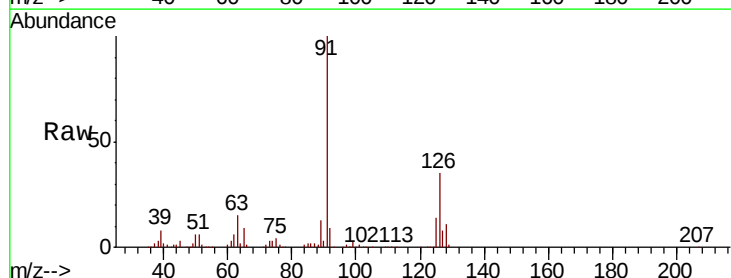
Acq: 07 Jan 2020 12:08

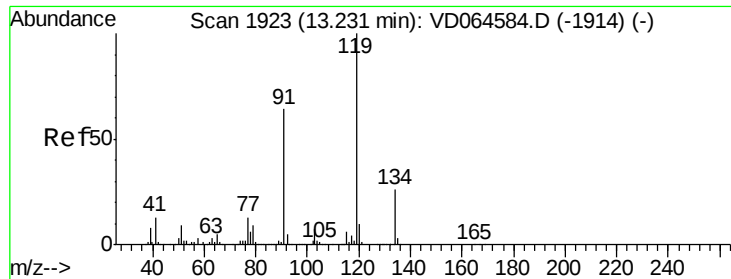
Tgt Ion: 91 Resp: 571273

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5

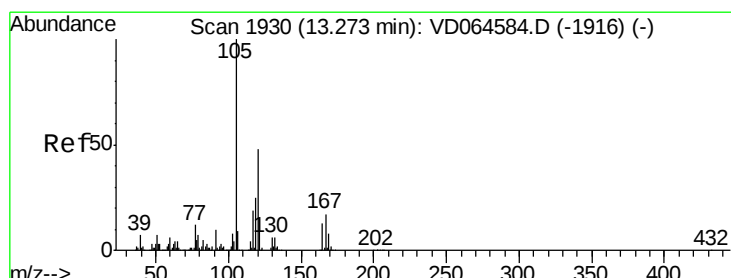
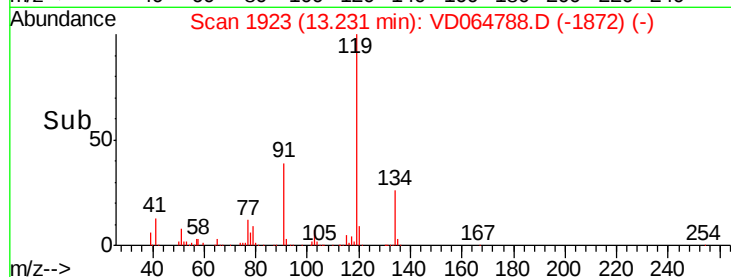
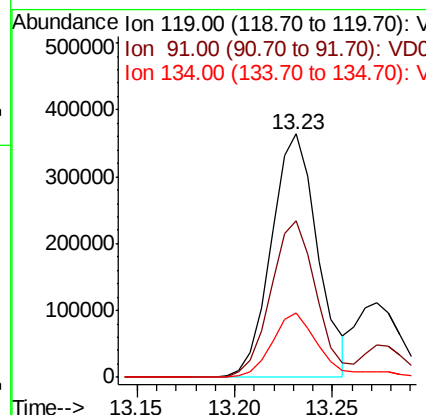
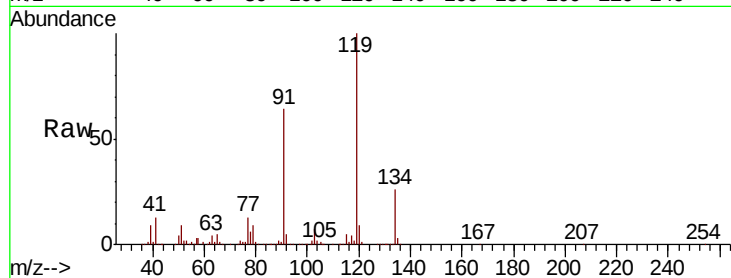




#83
tert-Butylbenzene
Concen: 50.915 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

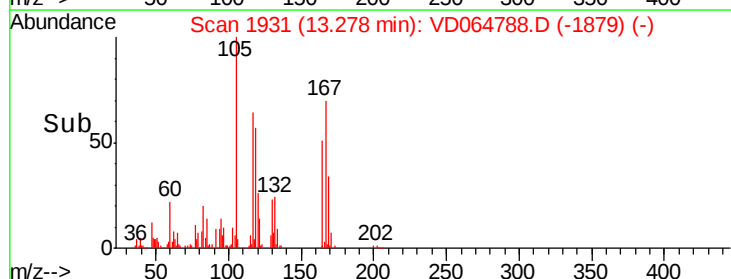
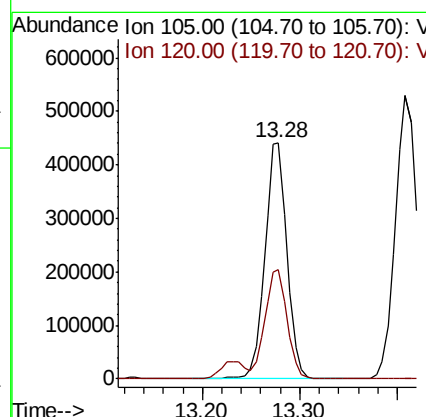
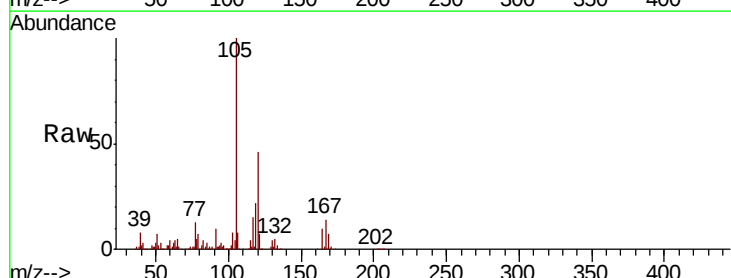
Instrument :
MSVOA_D
ClientSampleId :

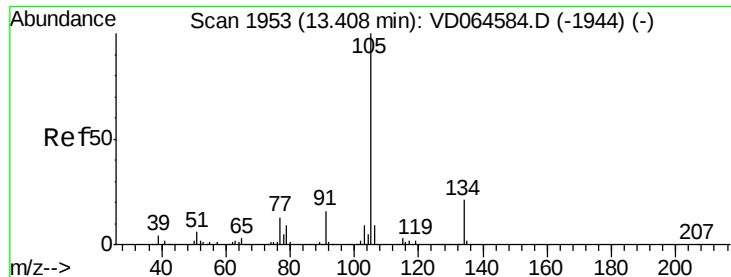
Tot Ion:119 Resp: 598049
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 27.6 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 52.159 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion:105 Resp: 702751
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.2





#85

sec-Butylbenzene

Concen: 51.186 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

Instrument :

MSVOA_D

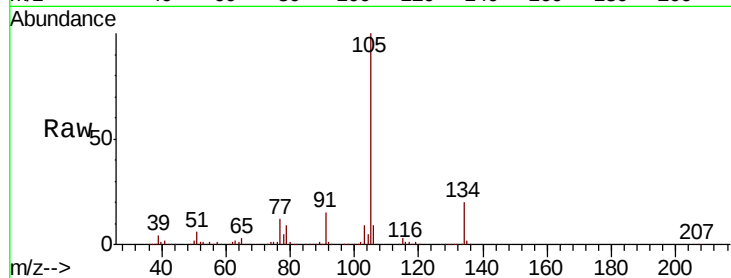
ClientSampleId :

Tot Ion:105 Resp: 824260

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

500000

400000

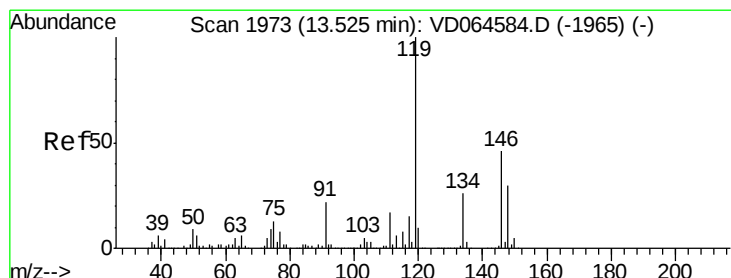
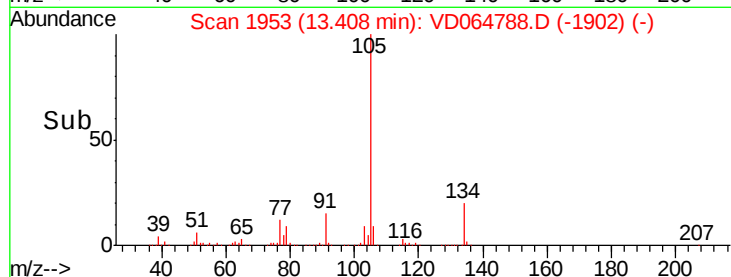
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.186 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064788.D

Acq: 07 Jan 2020 12:08

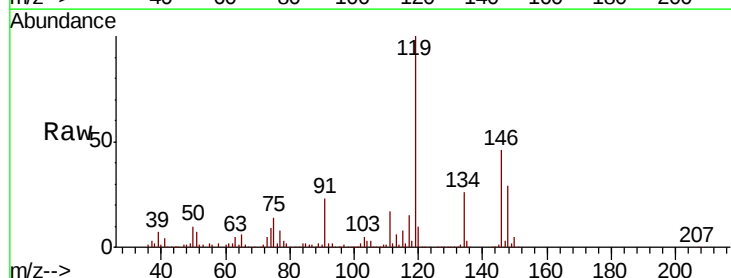
Tgt Ion:119 Resp: 788137

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.5 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

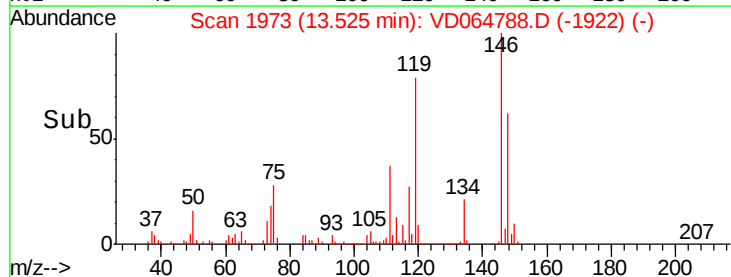
600000

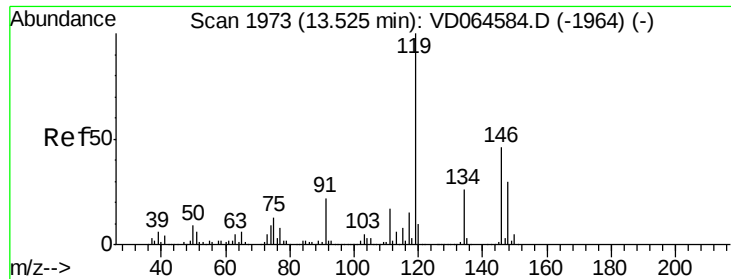
400000

200000

0

Time-->

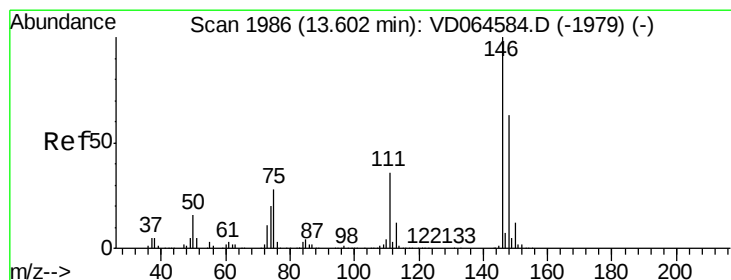
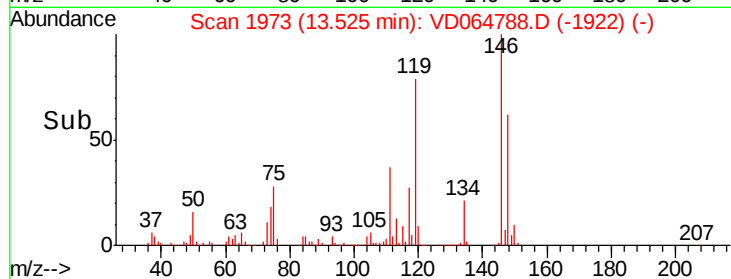
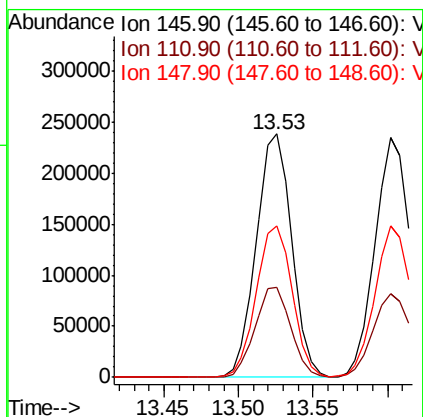
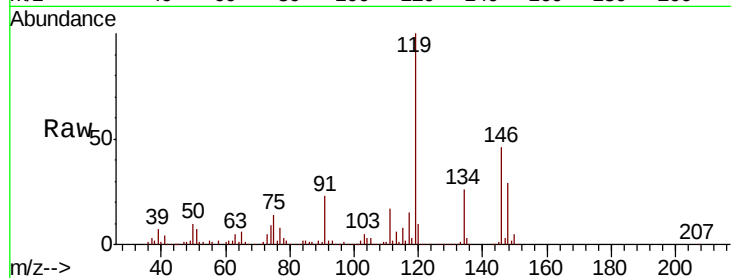




#87
 1,3-Dichlorobenzene
 Concen: 50.793 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

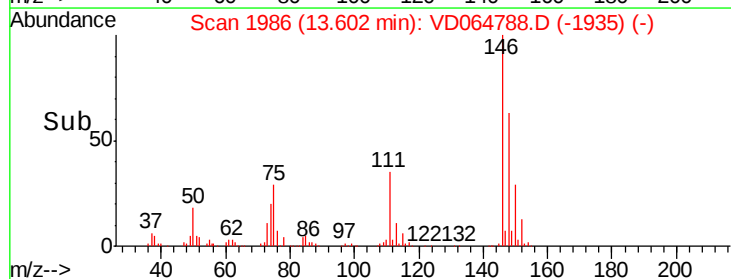
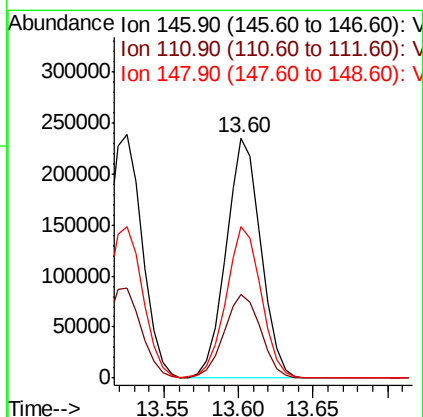
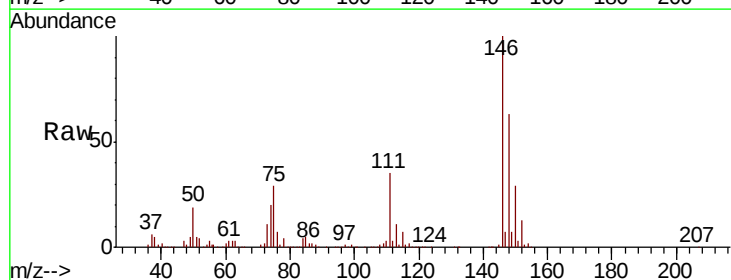
Instrument :
 MSVOA_D
 ClientSampleId :

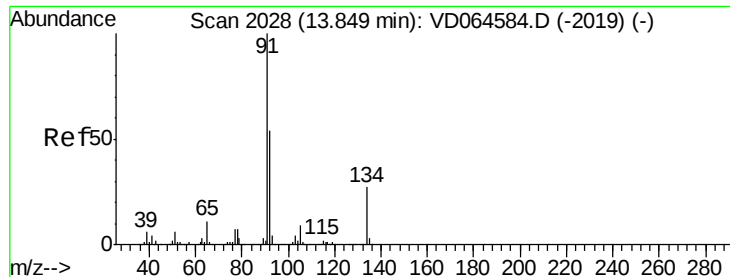
Tot Ion:146 Resp: 391832
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 63.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.558 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion:146 Resp: 383138
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.1
 148 63.8 32.3 96.9

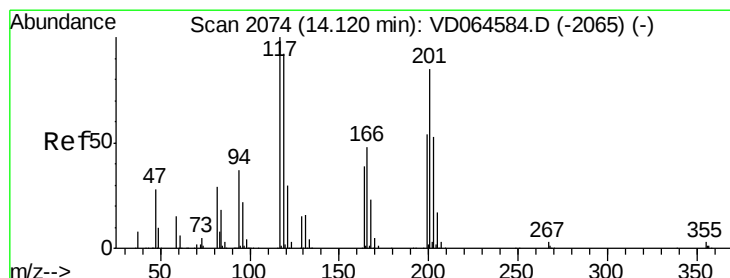
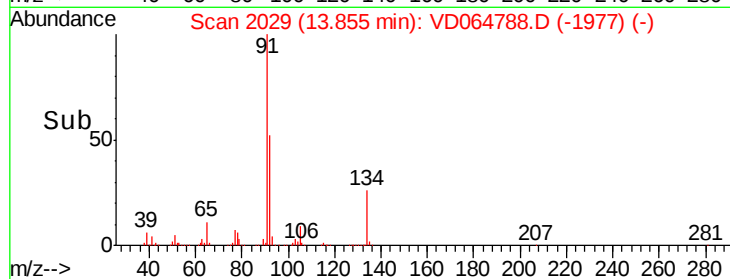
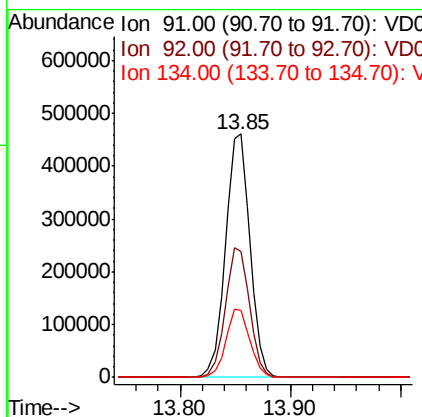
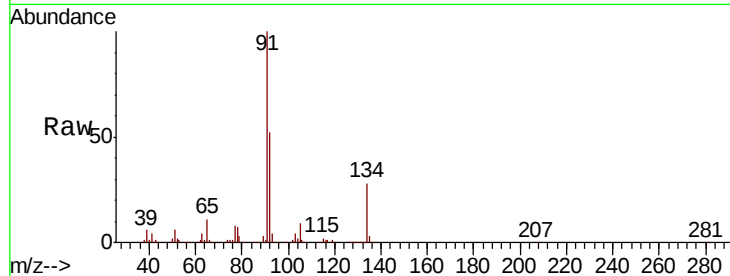




#89
n-Butylbenzene
Concen: 51.494 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

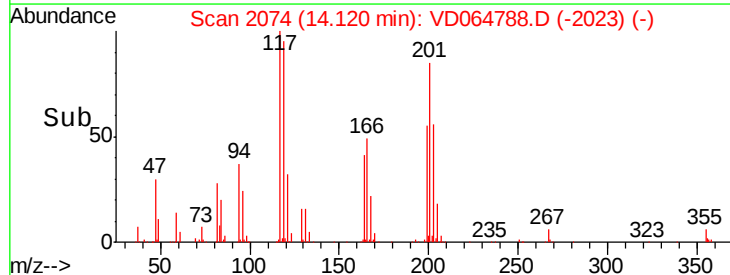
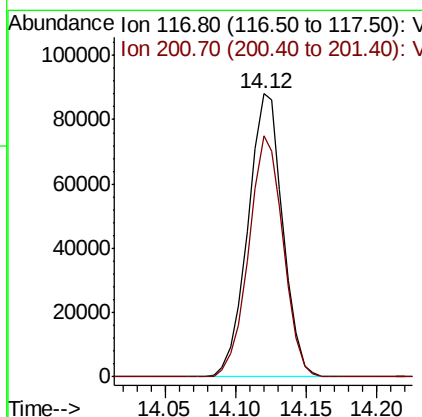
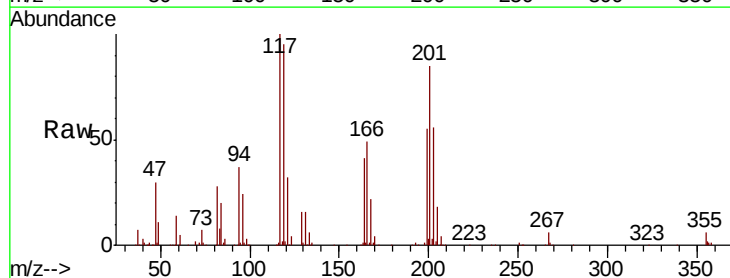
Instrument :
MSVOA_D
ClientSampled :

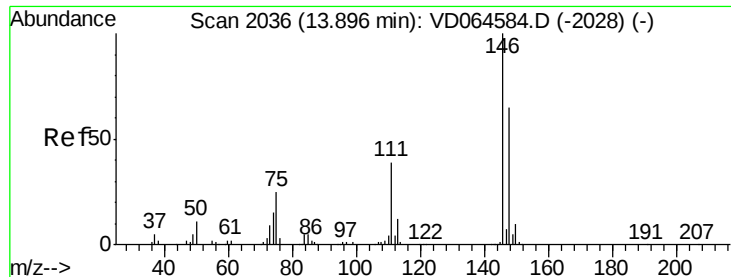
Tot Ion: 91 Resp: 714025
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 51.790 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion: 117 Resp: 152328
Ion Ratio Lower Upper
117 100
201 84.4 44.0 131.8

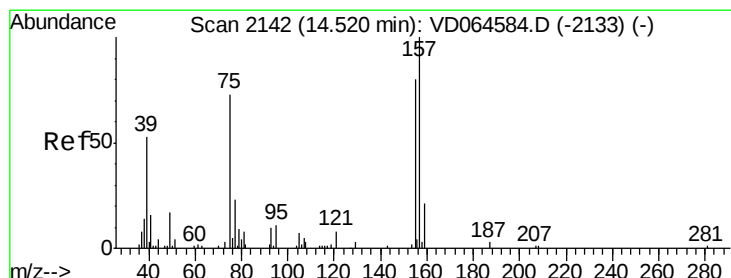
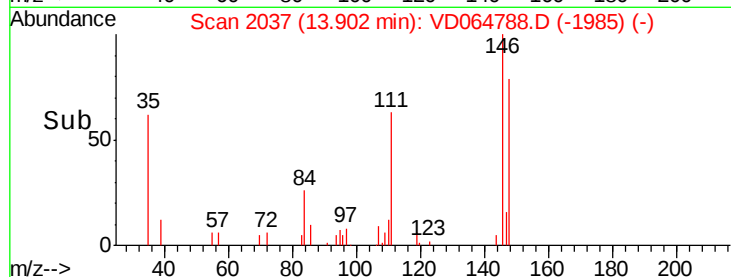
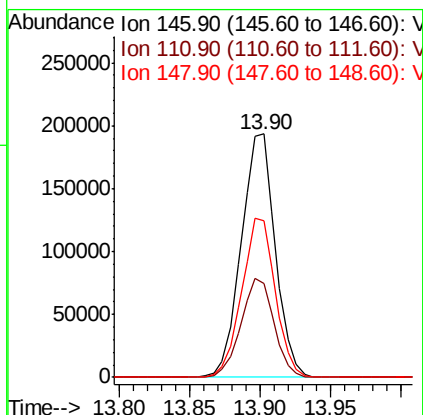
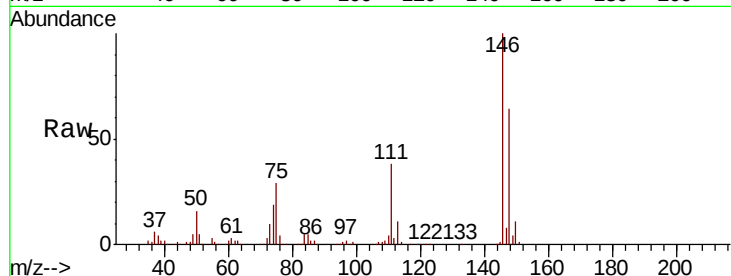




#91
 1,2-Dichlorobenzene
 Concen: 49.610 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

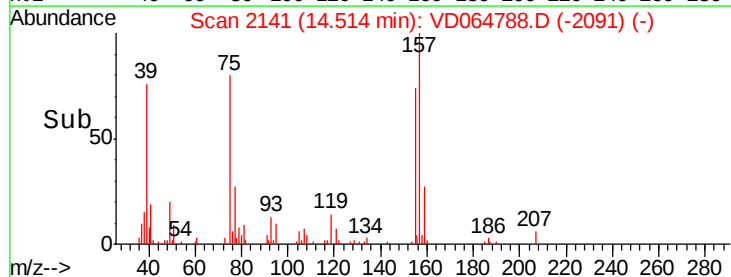
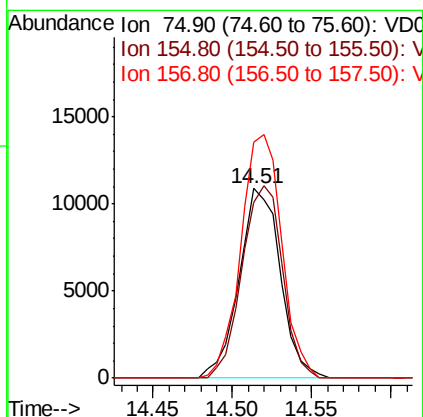
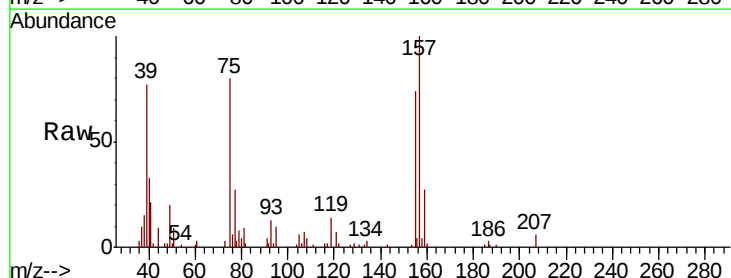
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.896 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	48.0	144.0
157	127.2	64.1	192.3

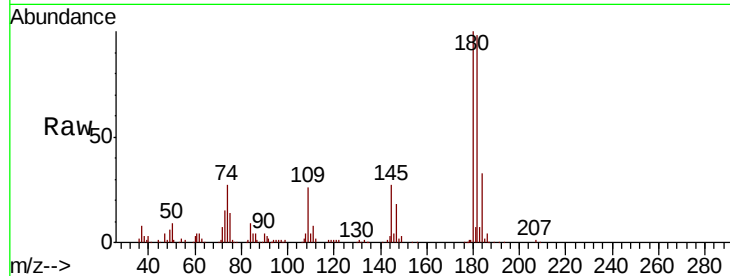




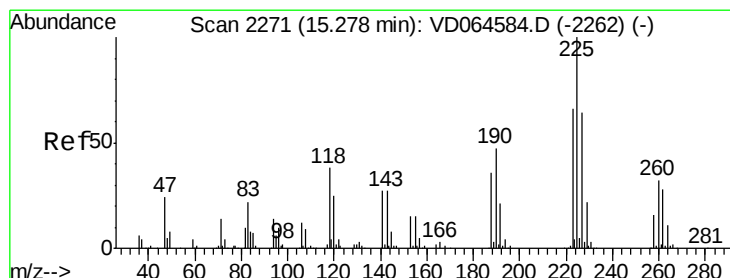
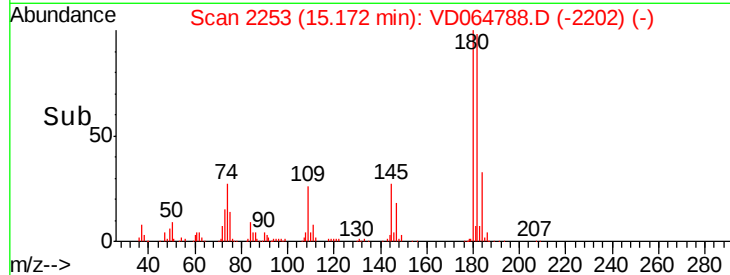
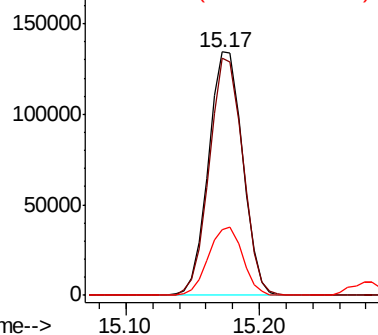
#93
 1,2,4-Trichlorobenzene
 Concen: 49.049 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	28.2	13.8	41.4

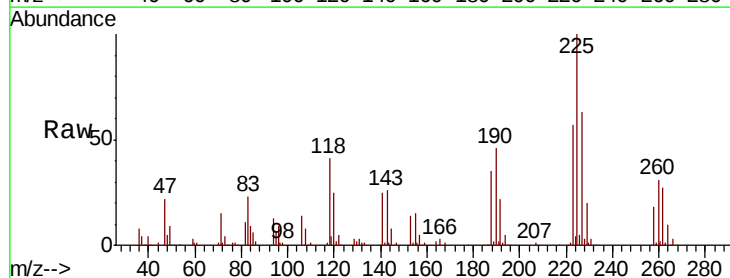


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

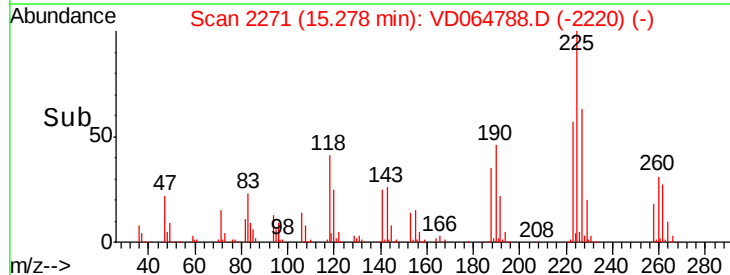
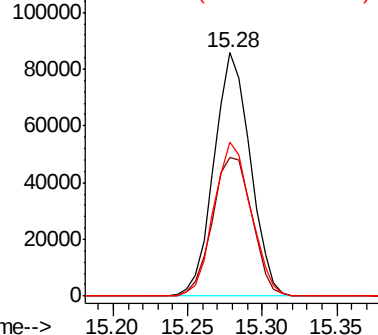


#94
 Hexachlorobutadiene
 Concen: 47.375 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064788.D
 Acq: 07 Jan 2020 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.2
227	65.0	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

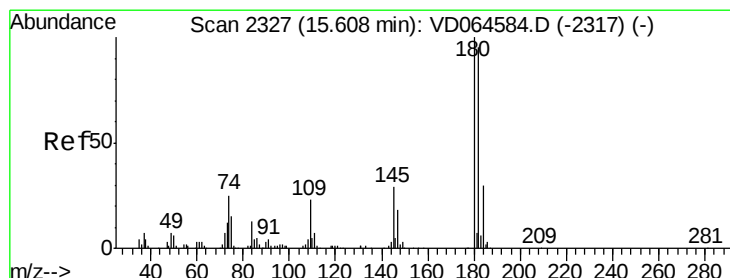
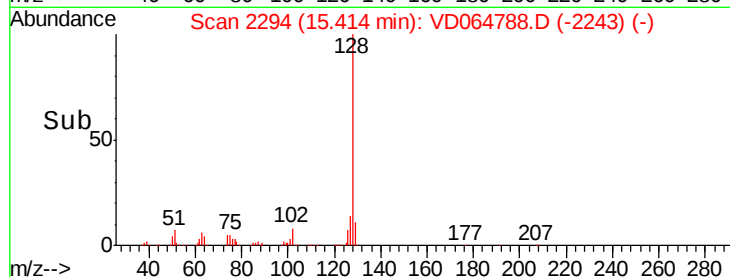
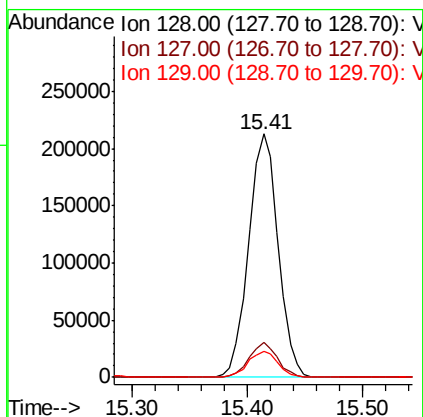
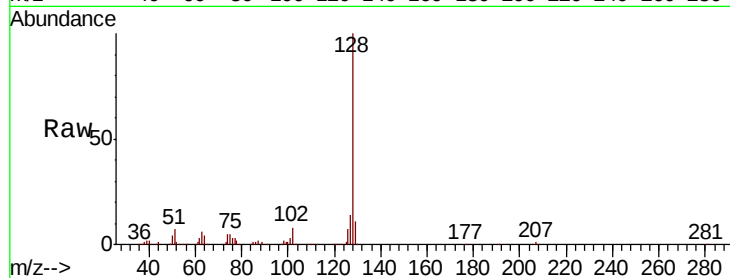




#95
Naphthalene
Concen: 49.559 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 379736
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.443 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064788.D
Acq: 07 Jan 2020 12:08

Tgt Ion:180 Resp: 204441
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 30.4 14.9 44.7

