

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064791.D
 Acq On : 07 Jan 2020 14:15
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:36:46 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	327414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160385	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
35) Dibromofluoromethane	7.92	113	158379	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.34	98	601055	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.64	95	189895	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52059	20.459	ug/l	97
3) Chloromethane	2.21	50	80286	22.561	ug/l	98
4) Vinyl Chloride	2.35	62	97108	22.381	ug/l	95
5) Bromomethane	2.76	94	70401	22.315	ug/l	95
6) Chloroethane	2.92	64	66375	22.830	ug/l	99
7) Trichlorofluoromethane	3.27	101	161981	22.172	ug/l	98
8) Diethyl Ether	3.71	74	33512	23.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	63768	21.076	ug/l	99
10) Methyl Iodide	4.29	142	68383	21.041	ug/l	98
11) Tert butyl alcohol	5.26	59	18838	113.852	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	64029	22.228	ug/l	97
13) Acrolein	3.92	56	20313	88.090	ug/l	97
14) Allyl chloride	4.70	41	102294	22.777	ug/l	99
15) Acrylonitrile	5.43	53	68550	113.438	ug/l	97
16) Acetone	4.17	43	72702	114.442	ug/l	92
17) Carbon Disulfide	4.40	76	196304	21.076	ug/l	99
18) Methyl Acetate	4.73	43	40461	24.893	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	144039	22.513	ug/l	96
20) Methylene Chloride	4.97	84	77890	23.820	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	72795	22.190	ug/l	95
22) Diisopropyl ether	6.37	45	210186	23.464	ug/l	97
23) Vinyl Acetate	6.31	43	571670	112.500	ug/l	99
24) 1,1-Dichloroethane	6.26	63	127936	23.790	ug/l	97
25) 2-Butanone	7.22	43	93216	117.461	ug/l	92
26) 2,2-Dichloropropane	7.21	77	110443	22.089	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	80311	22.684	ug/l	98
28) Bromochloromethane	7.55	49	42369	20.268	ug/l	98
29) Tetrahydrofuran	7.57	42	55996	113.463	ug/l	99
30) Chloroform	7.71	83	134062	23.761	ug/l	97
31) Cyclohexane	7.98	56	112874	20.968	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	124175	23.432	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103264	22.248	ug/l	99
37) Ethyl Acetate	7.30	43	39407	21.612	ug/l #	96
38) Carbon Tetrachloride	8.10	117	108372	21.897	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064791.D
 Acq On : 07 Jan 2020 14:15
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:36:46 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)
39) Methylcyclohexane	9.36	83	117142	20.838	ug/l	94
40) Benzene	8.35	78	285579	22.539	ug/l	99
41) Methacrylonitrile	7.53	41	26827	25.358	ug/l	94
42) 1,2-Dichloroethane	8.43	62	85192	23.267	ug/l	99
43) Isopropyl Acetate	8.46	43	78348	21.587	ug/l	99
44) Trichloroethene	9.11	130	81732	21.958	ug/l	100
45) 1,2-Dichloropropane	9.39	63	70807	23.405	ug/l	100
46) Dibromomethane	9.48	93	38079	22.576	ug/l	99
47) Bromodichloromethane	9.66	83	102639	22.868	ug/l	94
48) Methyl methacrylate	9.46	41	37144	21.736	ug/l	91
49) 1,4-Dioxane	9.47	88	8887	456.943	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	196984	109.808	ug/l	98
52) Toluene	10.40	92	185749	22.345	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	94892	22.677	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	113804	23.065	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	53945	23.732	ug/l	95
56) Ethyl methacrylate	10.66	69	62277	21.937	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89701	22.919	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123487	114.174	ug/l	99
59) 2-Hexanone	10.99	43	140927	115.746	ug/l	99
60) Dibromochloromethane	11.14	129	70389	22.392	ug/l	98
61) 1,2-Dibromoethane	11.25	107	49378	22.024	ug/l	96
64) Tetrachloroethene	10.88	164	71018	21.603	ug/l	91
65) Chlorobenzene	11.67	112	198608	22.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	75756	22.595	ug/l	98
67) Ethyl Benzene	11.75	91	355091	21.998	ug/l	97
68) m/p-Xylenes	11.86	106	272215	43.690	ug/l	100
69) o-Xylene	12.18	106	121369	21.566	ug/l	100
70) Styrene	12.20	104	216354	21.902	ug/l	99
71) Bromoform	12.37	173	42304	22.126	ug/l #	99
73) Isopropylbenzene	12.48	105	328457	21.768	ug/l	99
74) N-amyl acetate	12.29	43	71542	22.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	54811	23.123	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	72373	43.406	ug/l #	100
77) Bromobenzene	12.77	156	82326	22.204	ug/l	98
78) n-propylbenzene	12.83	91	394583	22.415	ug/l	100
79) 2-Chlorotoluene	12.91	91	216290	22.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	272631	21.995	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	18203	22.833	ug/l	98
82) 4-Chlorotoluene	13.01	91	228502	22.204	ug/l	99
83) tert-Butylbenzene	13.23	119	231696	21.529	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	273482	22.154	ug/l	98
85) sec-Butylbenzene	13.41	105	327403	22.191	ug/l	99
86) p-Isopropyltoluene	13.53	119	305983	21.689	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	158579	22.436	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	154610	22.267	ug/l	99
89) n-Butylbenzene	13.86	91	277418	21.836	ug/l	99
90) Hexachloroethane	14.12	117	59320	22.012	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	132631	22.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8994	23.406	ug/l	92

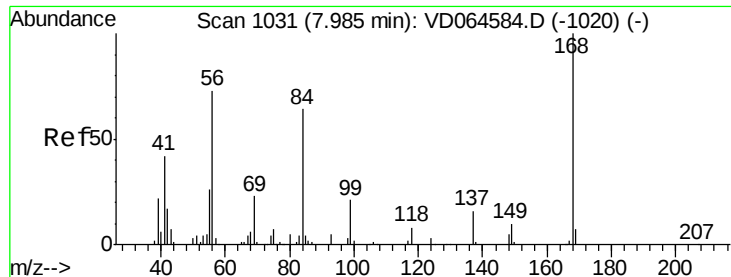
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
Data File : VD064791.D
Acq On : 07 Jan 2020 14:15
Operator : VA/SY
Sample : VD0107SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 08 07:36:46 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)
93) 1,2,4-Trichlorobenzene	15.17	180	97121	21.885	ug/l	97
94) Hexachlorobutadiene	15.28	225	59854	21.434	ug/l	98
95) Naphthalene	15.41	128	147424	20.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	80271	21.188	ug/l	98

(#) = 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: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

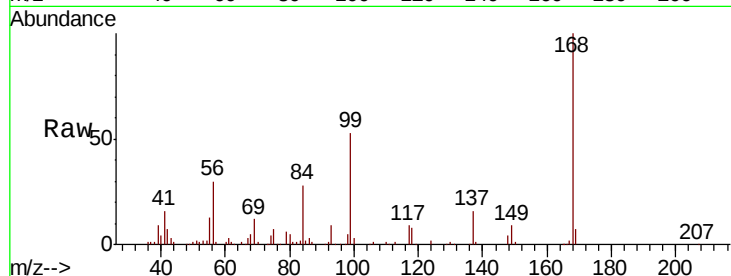
ClientSampleId :

Tot Ion:168 Resp: 327414

Ion Ratio Lower Upper

168 100

99 53.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

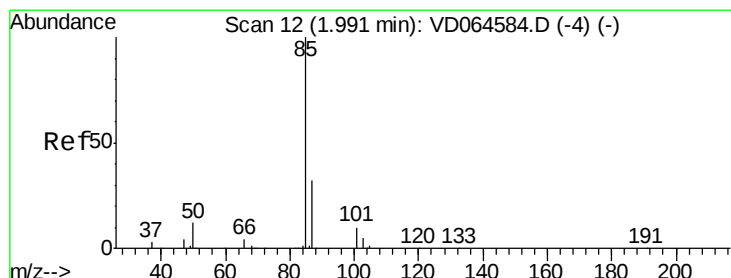
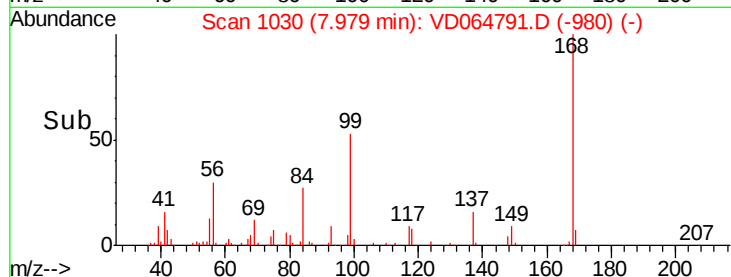
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.459 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064791.D

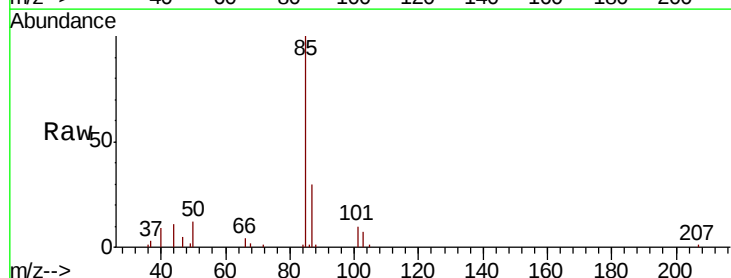
Acq: 07 Jan 2020 14:15

Tgt Ion: 85 Resp: 52059

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

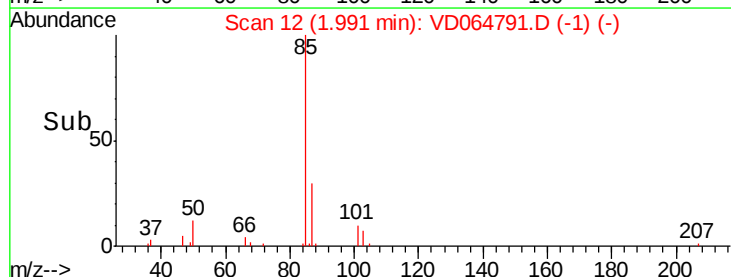
20000

10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.561 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

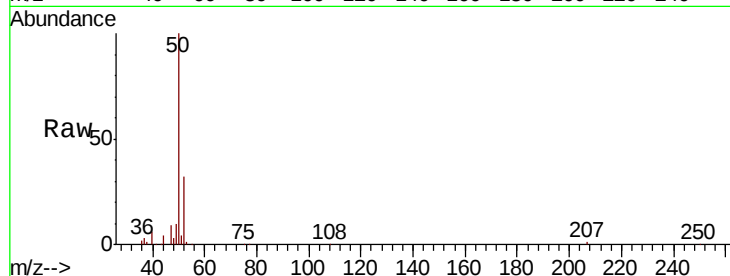
ClientSampleId :

Tot Ion: 50 Resp: 80286

Ion Ratio Lower Upper

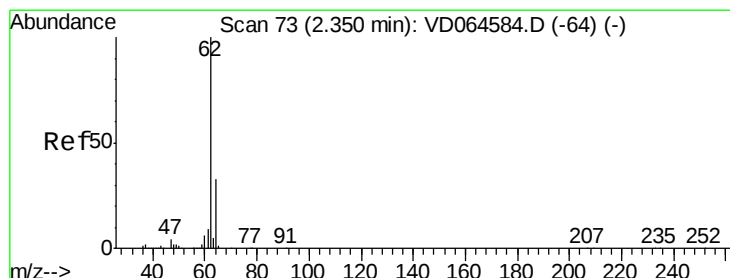
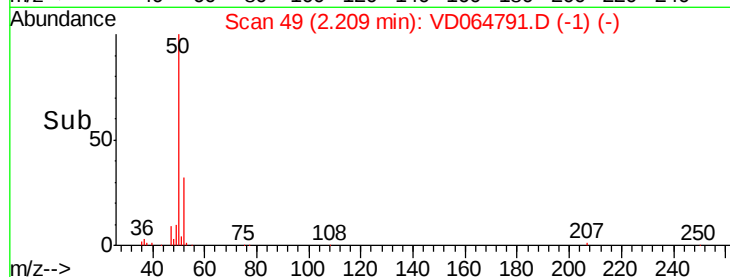
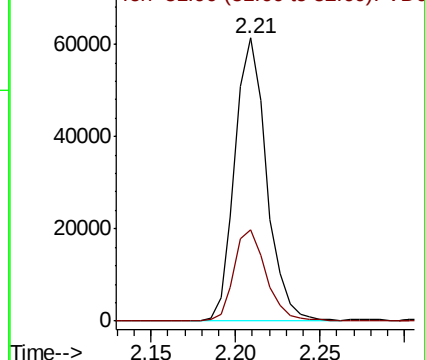
50 100

52 32.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.381 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064791.D

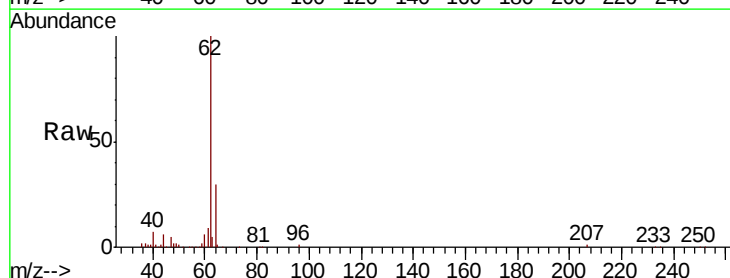
Acq: 07 Jan 2020 14:15

Tgt Ion: 62 Resp: 97108

Ion Ratio Lower Upper

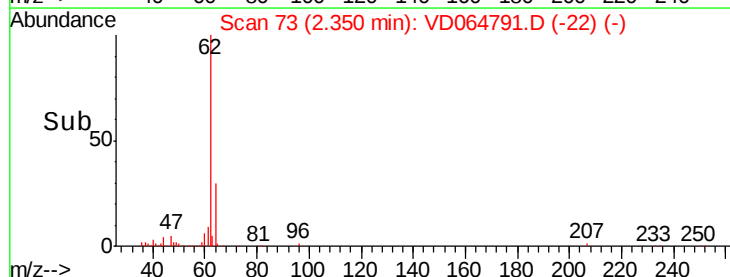
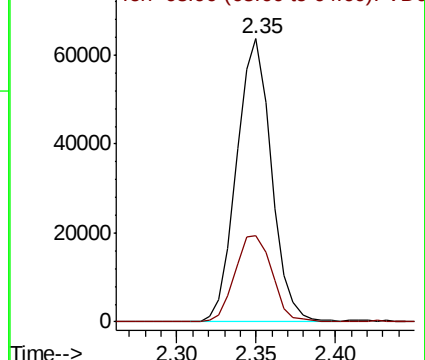
62 100

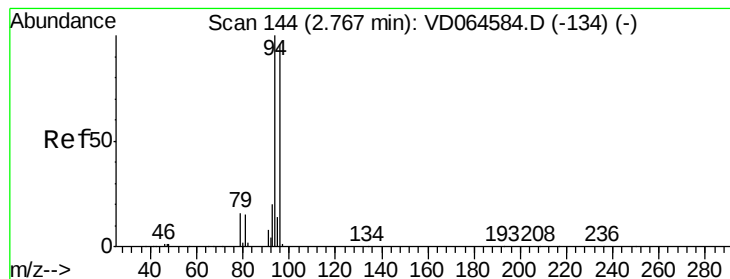
64 30.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.315 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

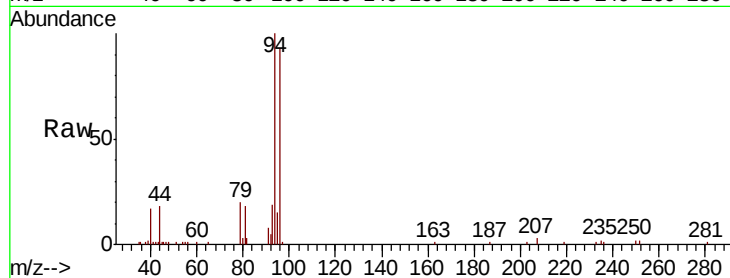
ClientSampleId :

Tot Ion: 94 Resp: 70401

Ion Ratio Lower Upper

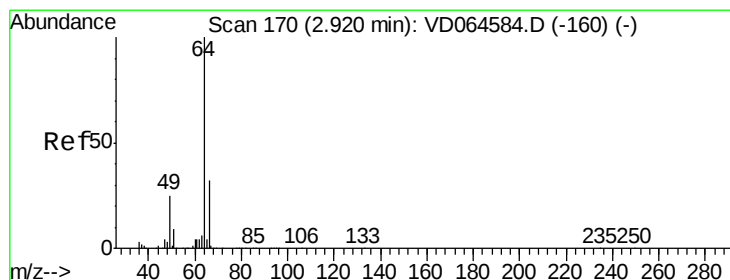
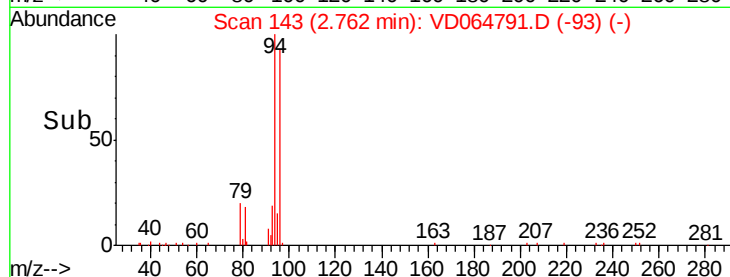
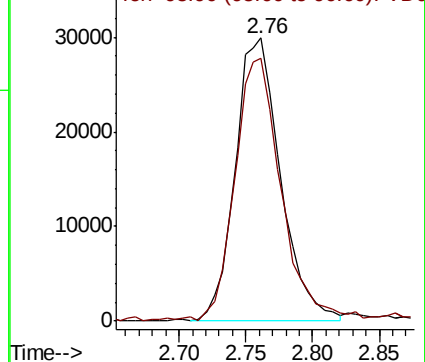
94 100

96 91.3 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: 22.830 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064791.D

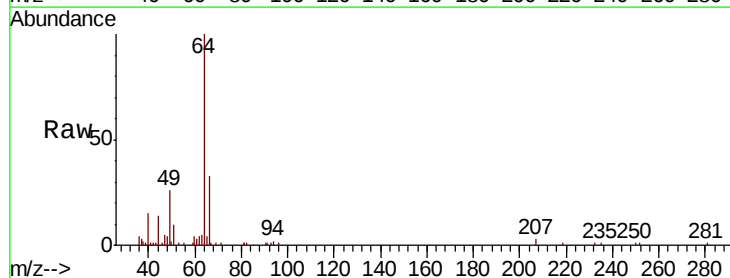
Acq: 07 Jan 2020 14:15

Tgt Ion: 64 Resp: 66375

Ion Ratio Lower Upper

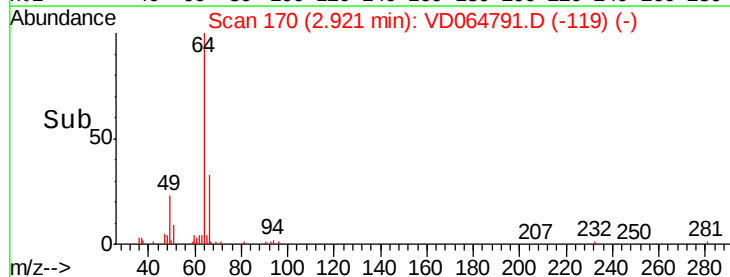
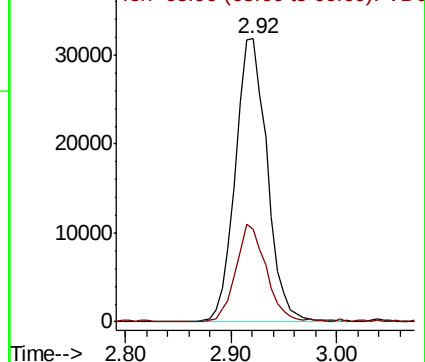
64 100

66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



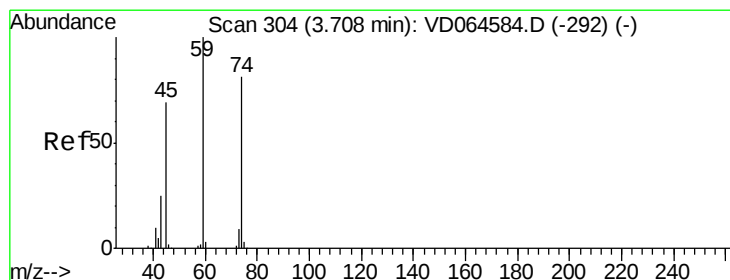
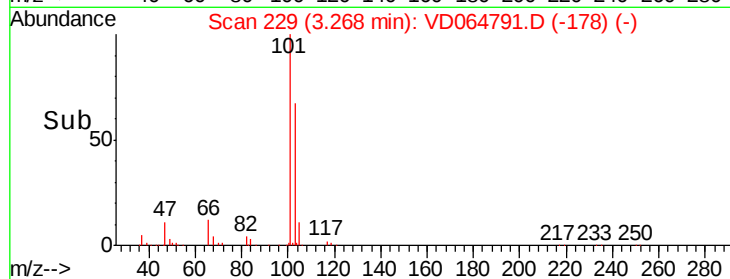
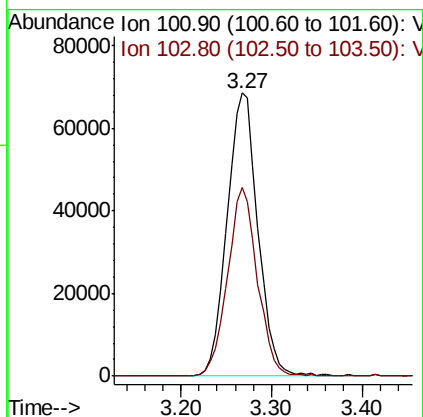
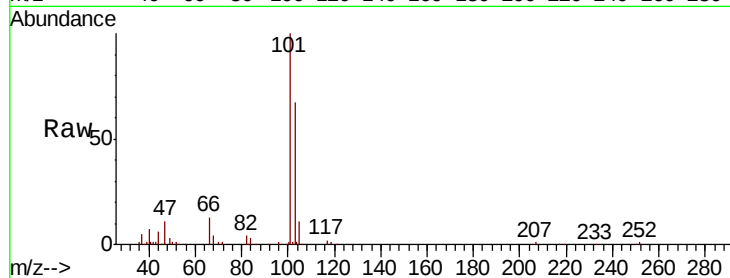


#7

Trichlorofluoromethane
 Concen: 22.172 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

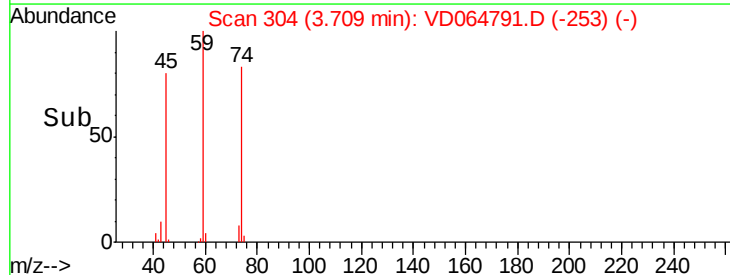
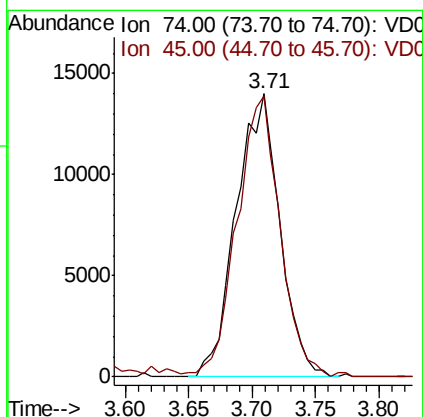
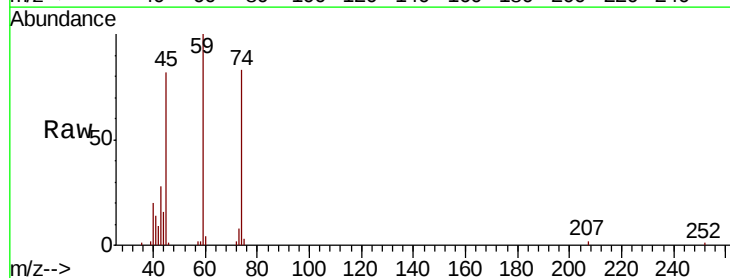
Tot Ion:101 Resp: 161981
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.2 78.4

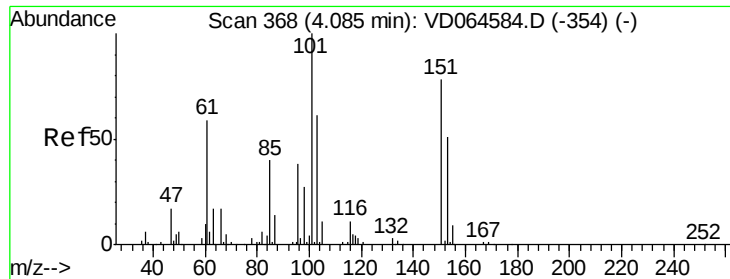


#8

Diethyl Ether
 Concen: 23.100 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 74 Resp: 33512
 Ion Ratio Lower Upper
 74 100
 45 97.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.076 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

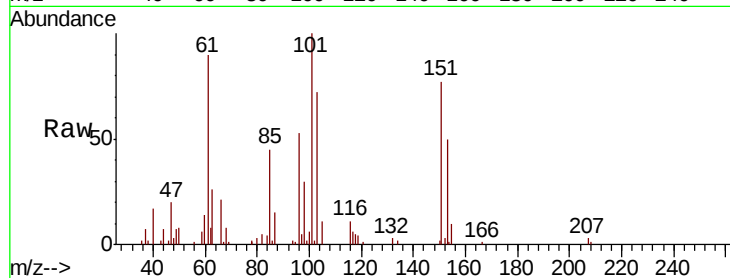
Tot Ion:101 Resp: 63768

Ion Ratio Lower Upper

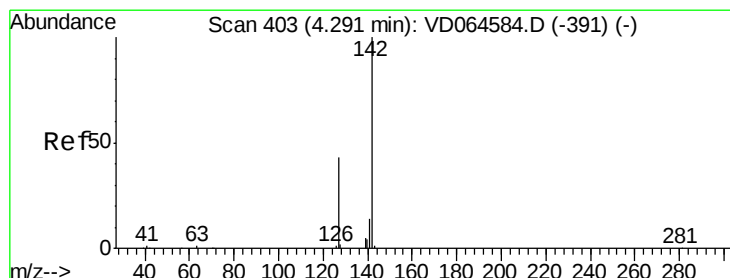
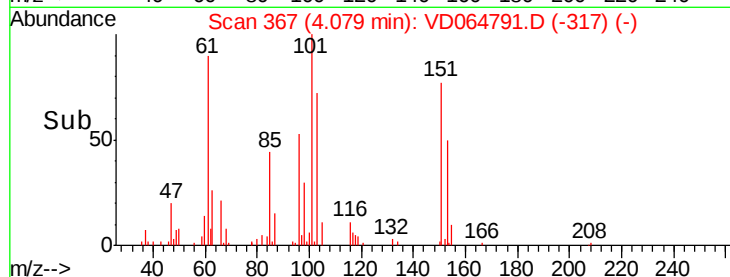
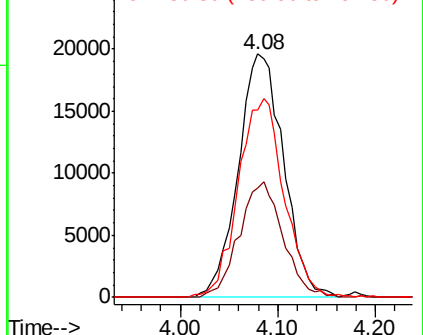
101 100

85 45.8 35.2 52.8

151 82.5 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: 21.041 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

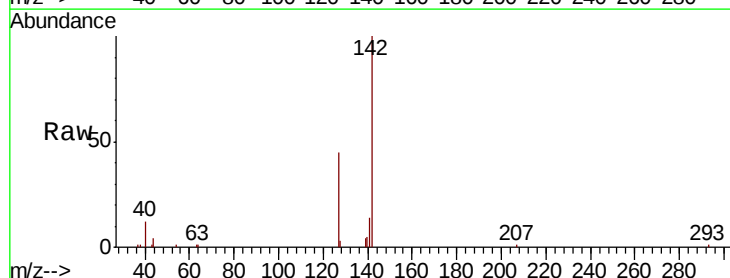
Tgt Ion:142 Resp: 68383

Ion Ratio Lower Upper

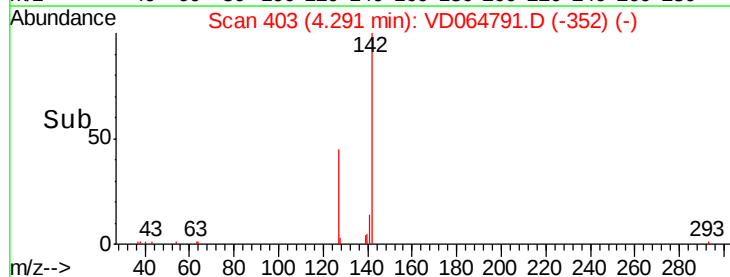
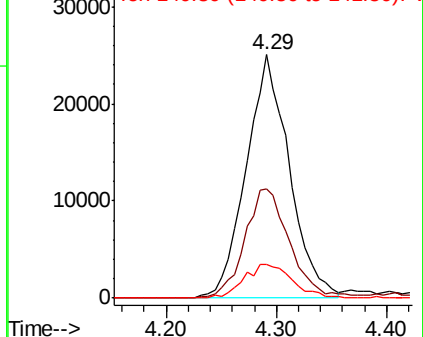
142 100

127 47.0 36.2 54.4

141 15.5 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



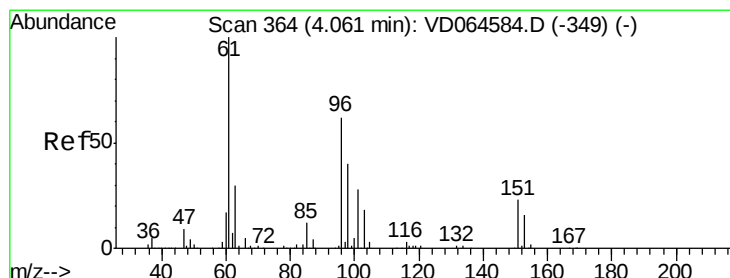
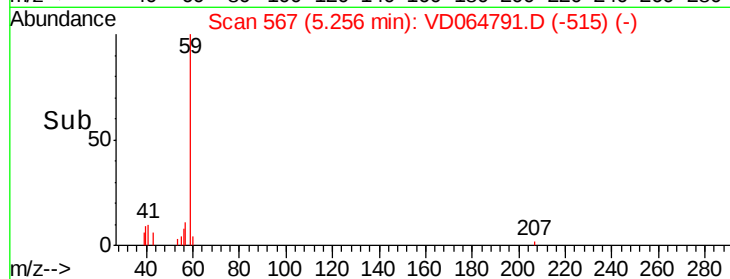
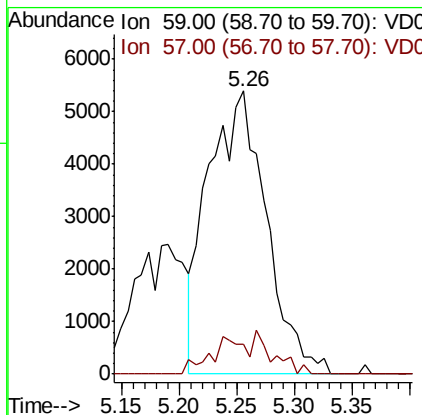
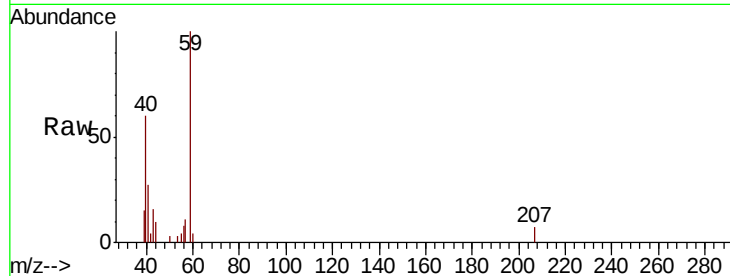


#11

Tert butyl alcohol
 Concen: 113.852 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampled :

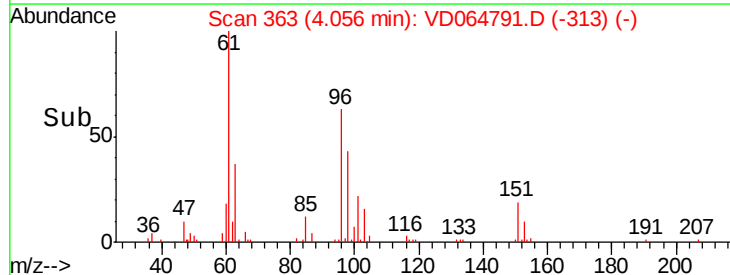
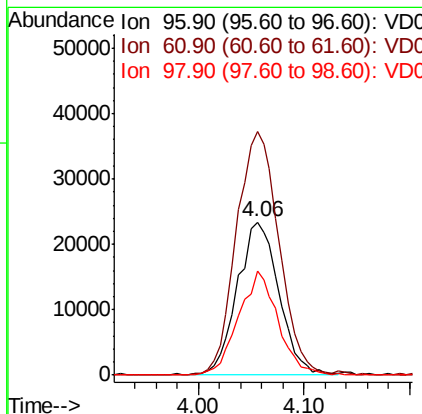
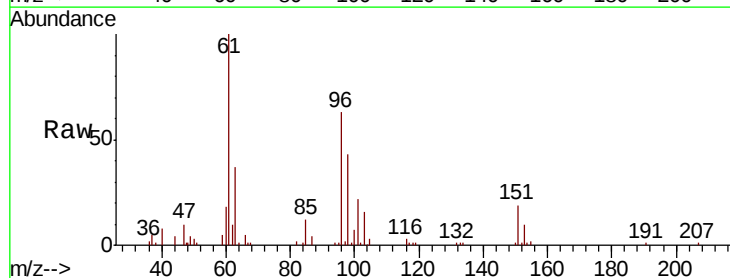
Tot Ion: 59 Resp: 18838
 Ion Ratio Lower Upper
 59 100
 57 5.1 9.3 13.9#

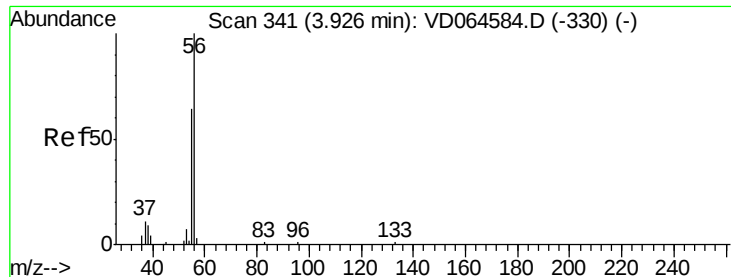


#12

1,1-Dichloroethene
 Concen: 22.228 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 96 Resp: 64029
 Ion Ratio Lower Upper
 96 100
 61 158.8 129.4 194.0
 98 67.7 51.4 77.0





#13

Acrolein

Concen: 88.090 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

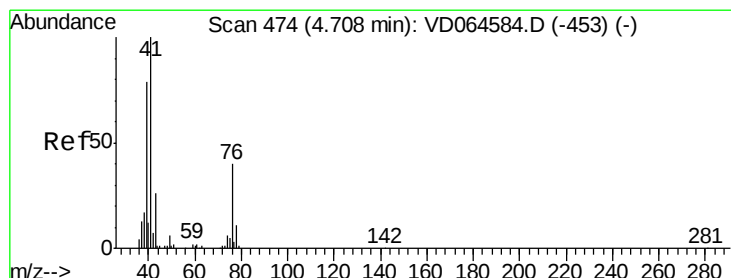
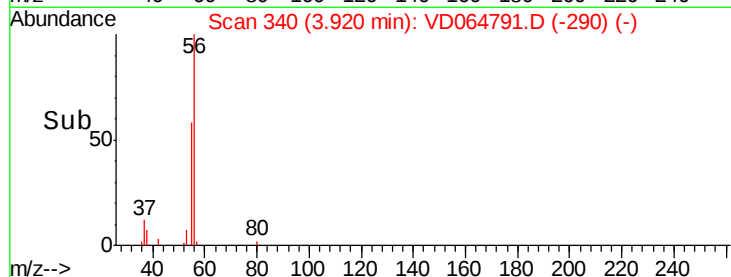
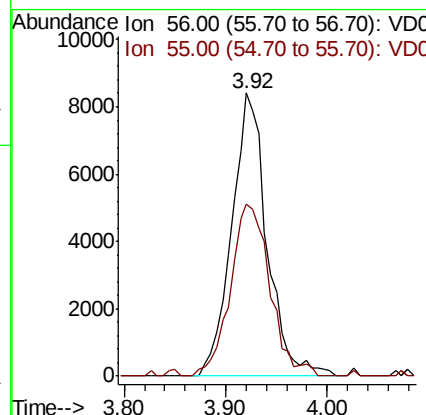
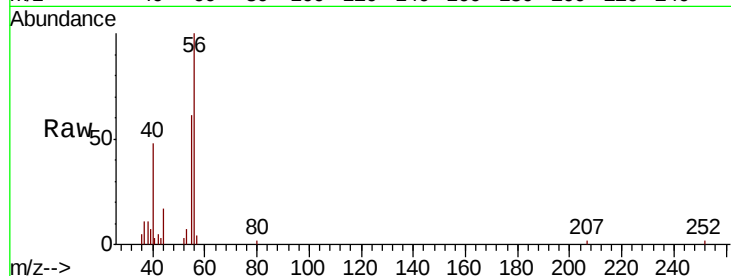
ClientSampleId :

Tot Ion: 56 Resp: 20313

Ion Ratio Lower Upper

56 100

55 68.1 56.7 85.1



#14

Allyl chloride

Concen: 22.777 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

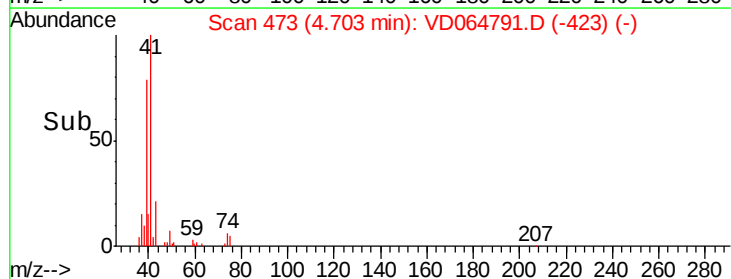
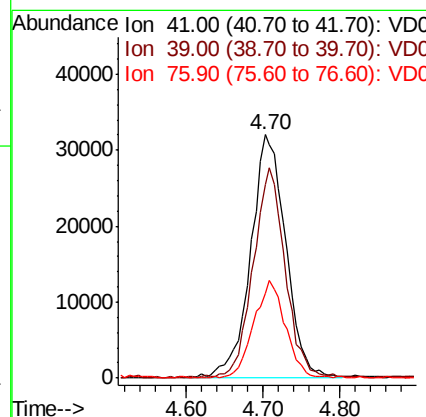
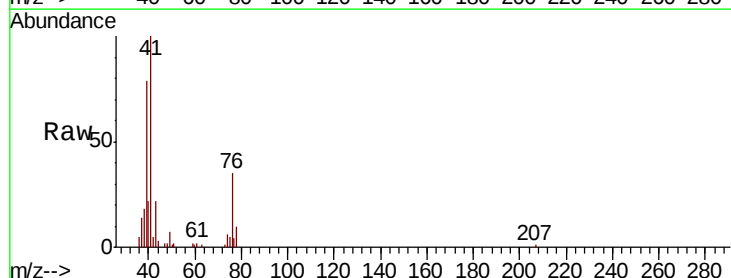
Tgt Ion: 41 Resp: 102294

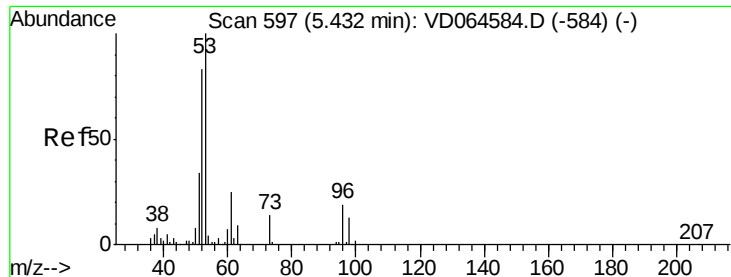
Ion Ratio Lower Upper

41 100

39 79.1 62.3 93.5

76 36.3 29.7 44.5





#15

Acrylonitrile

Concen: 113.438 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampled :

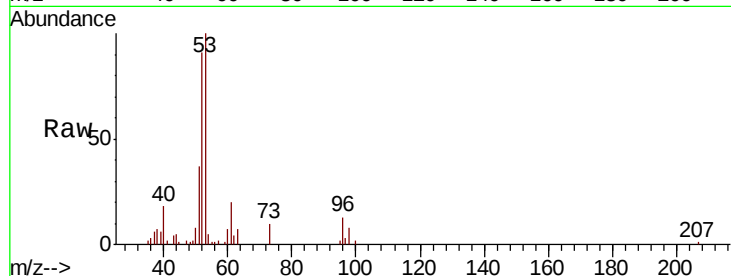
Tot Ion: 53 Resp: 68550

Ion Ratio Lower Upper

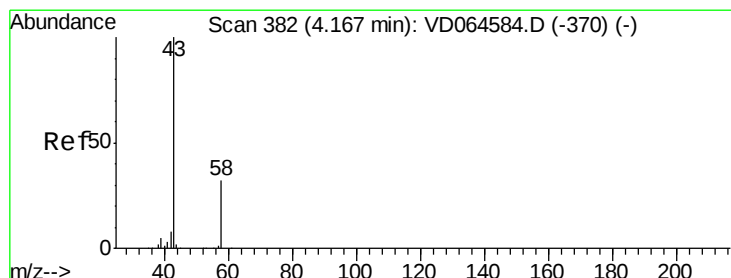
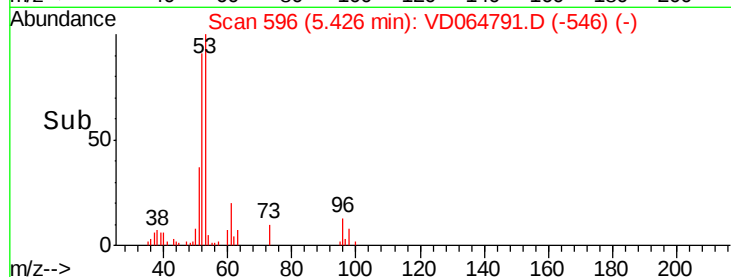
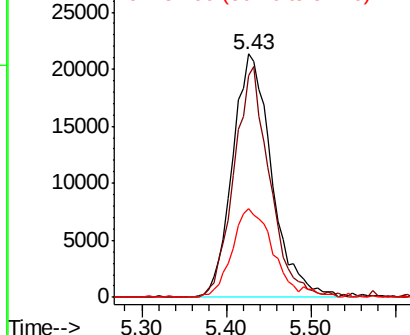
53 100

52 85.9 66.2 99.2

51 37.0 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: 114.442 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064791.D

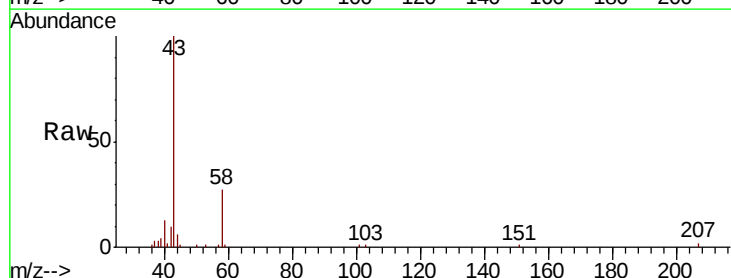
Acq: 07 Jan 2020 14:15

Tgt Ion: 43 Resp: 72702

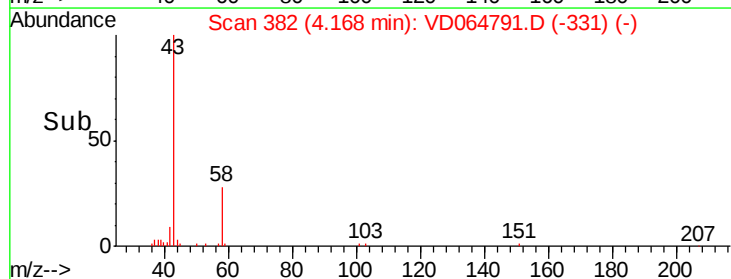
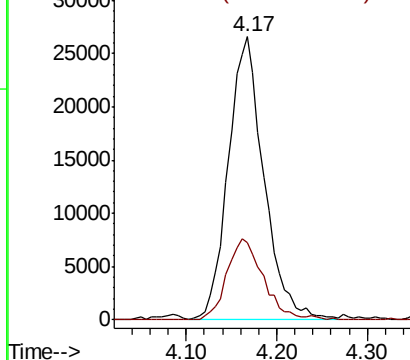
Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.6



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

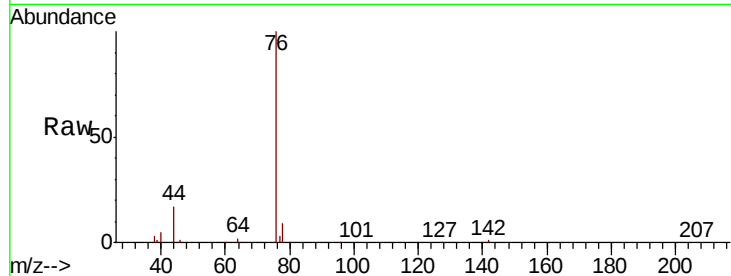




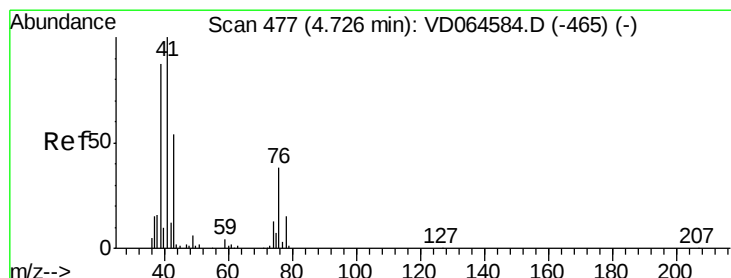
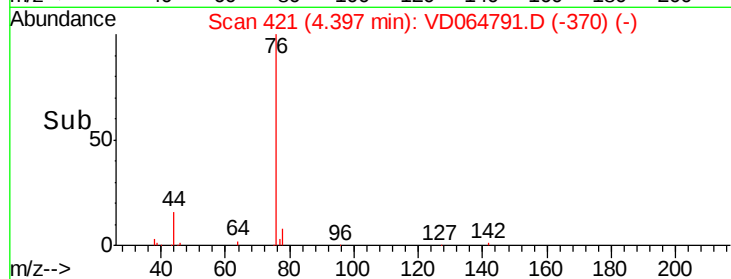
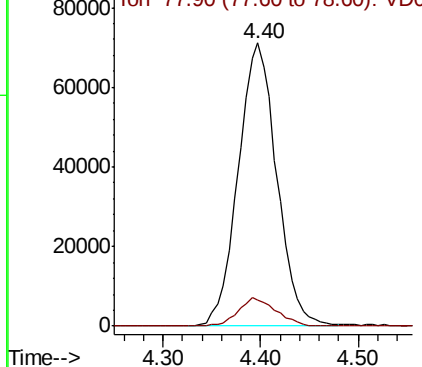
#17
Carbon Disulfide
Concen: 21.076 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 196304
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

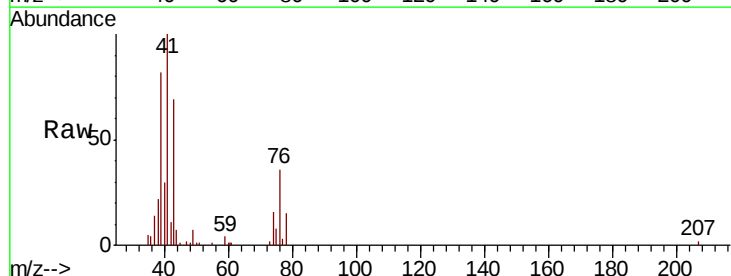


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

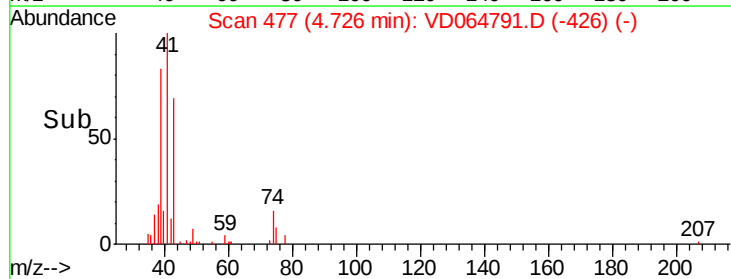
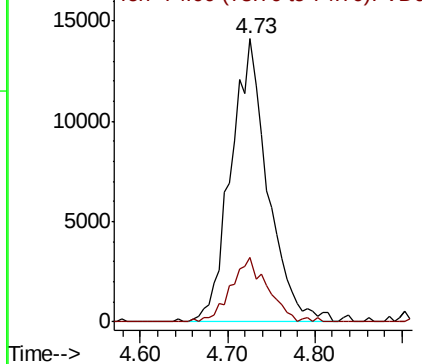


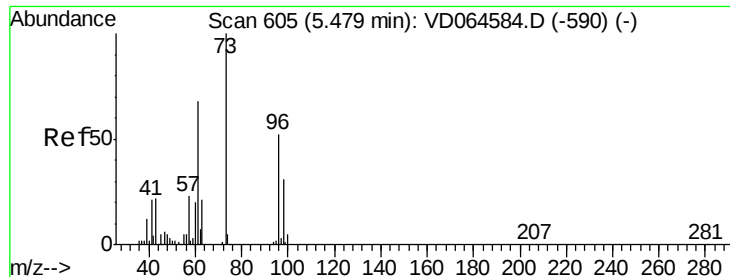
#18
Methyl Acetate
Concen: 24.893 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 43 Resp: 40461
Ion Ratio Lower Upper
43 100
74 22.3 19.2 28.8



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



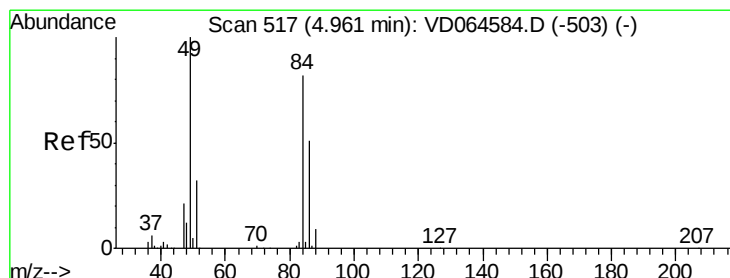
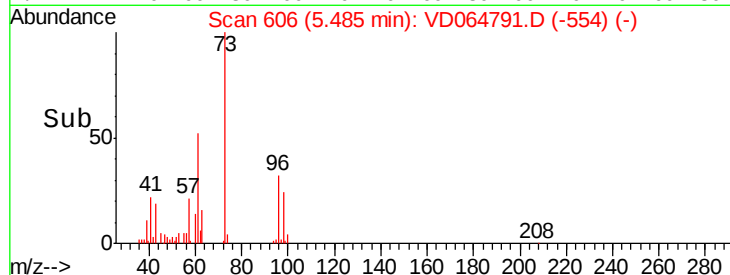
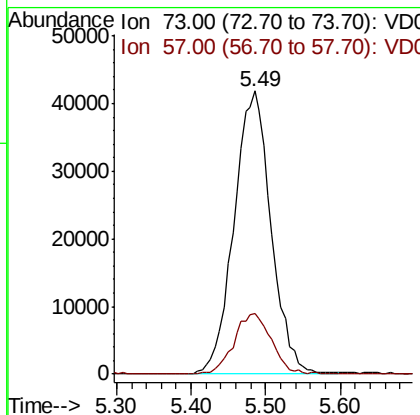
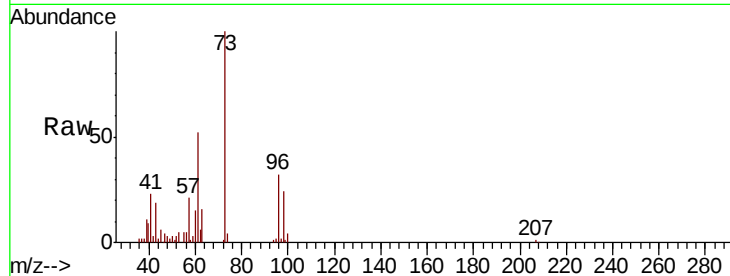


#19

Methyl tert-butyl Ether
 Concen: 22.513 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

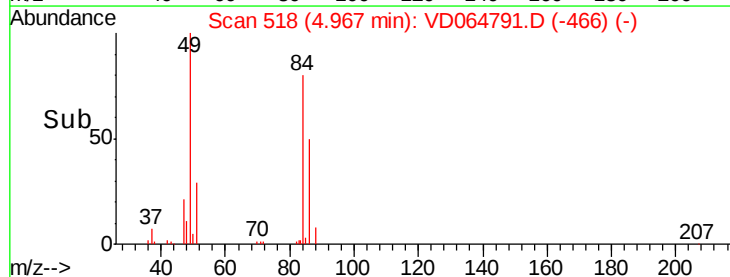
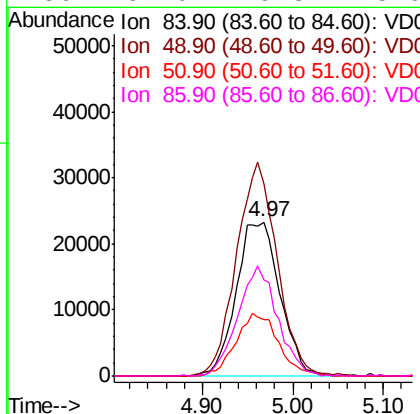
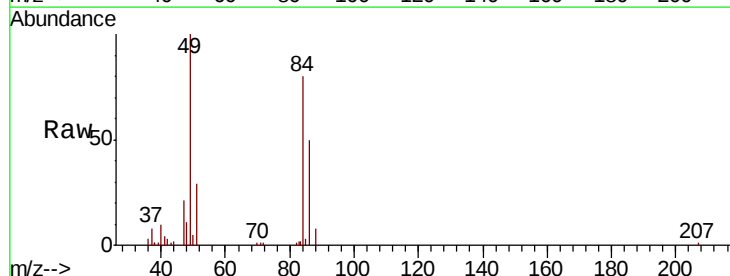
Tot Ion: 73 Resp: 144039
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.6 27.8

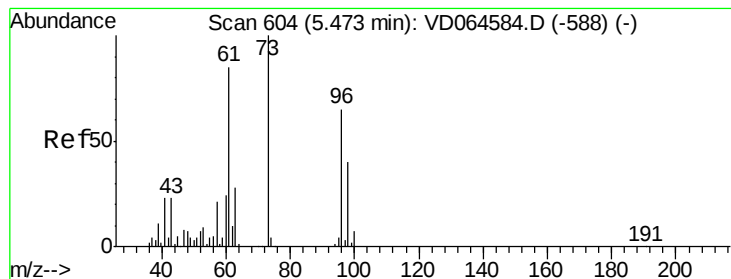


#20

Methylene Chloride
 Concen: 23.820 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 84 Resp: 77890
 Ion Ratio Lower Upper
 84 100
 49 124.5 97.2 145.8
 51 36.7 31.4 47.0
 86 62.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.190 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

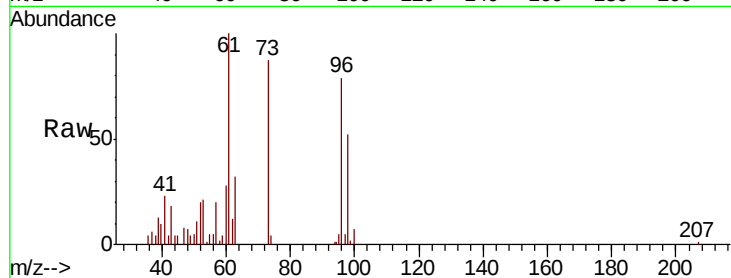
Tot Ion: 96 Resp: 72795

Ion Ratio Lower Upper

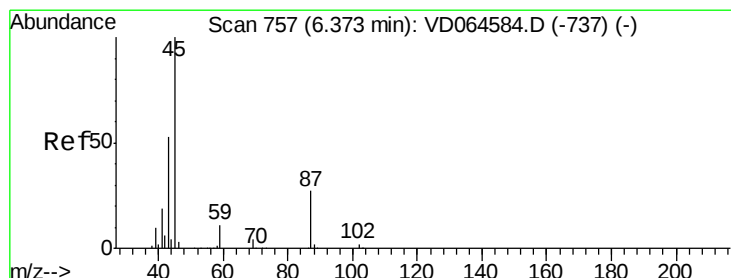
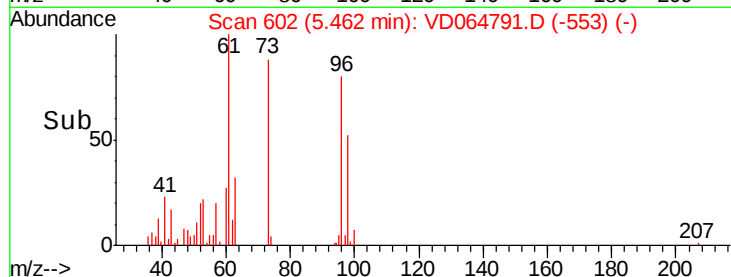
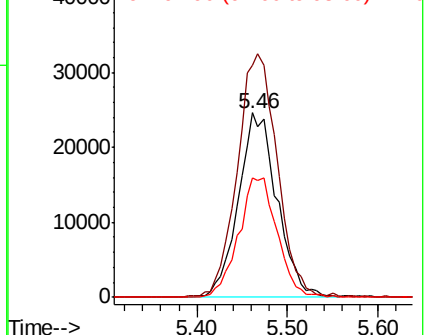
96 100

61 125.3 104.7 157.1

98 65.1 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: 23.464 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Tgt Ion: 45 Resp: 210186

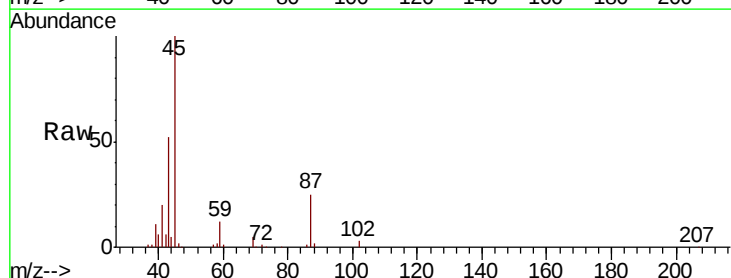
Ion Ratio Lower Upper

45 100

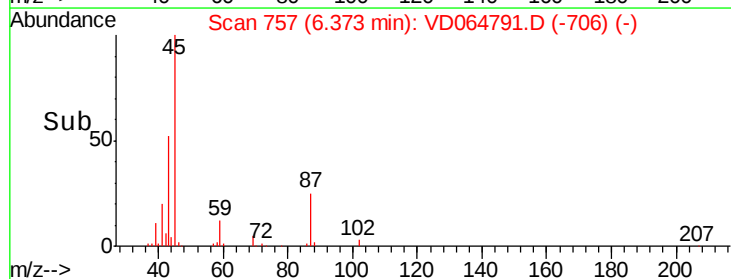
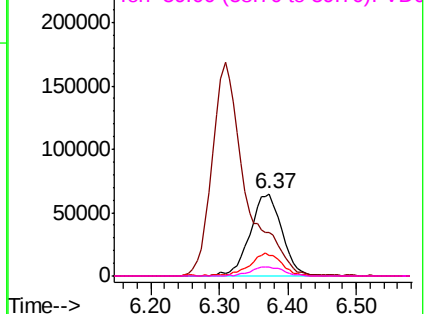
43 51.5 43.2 64.8

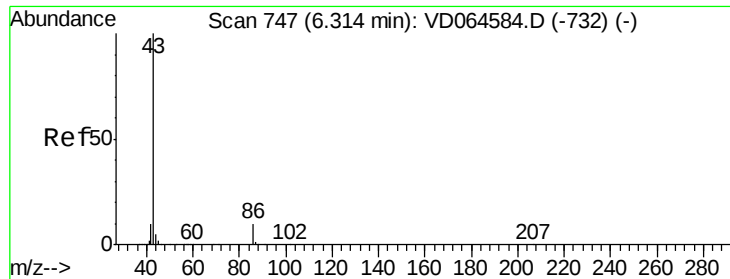
87 25.4 21.9 32.9

59 11.5 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: 112.500 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

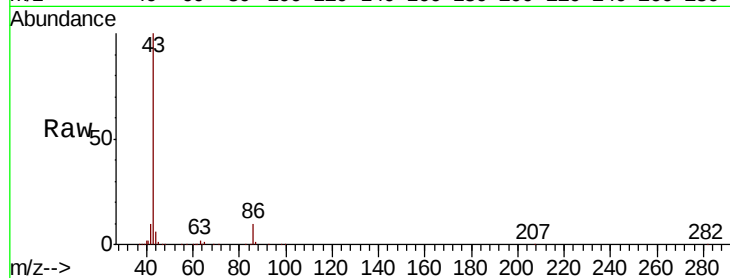
ClientSampleId :

Tot Ion: 43 Resp: 571670

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

150000

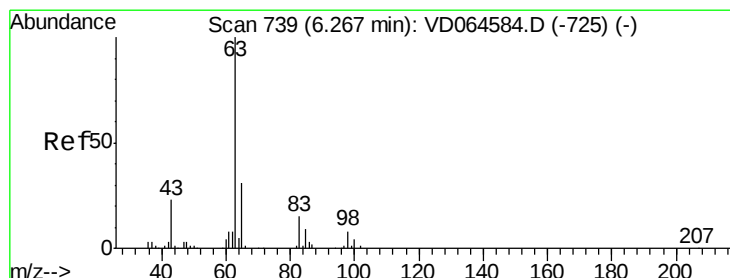
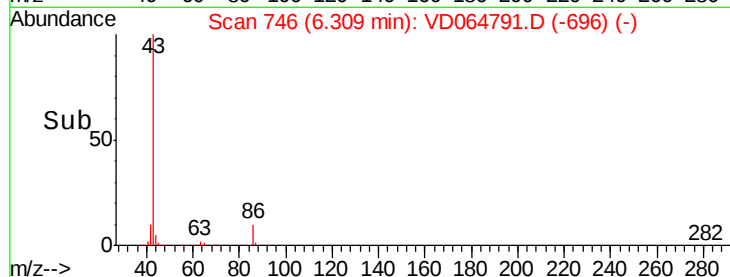
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 23.790 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

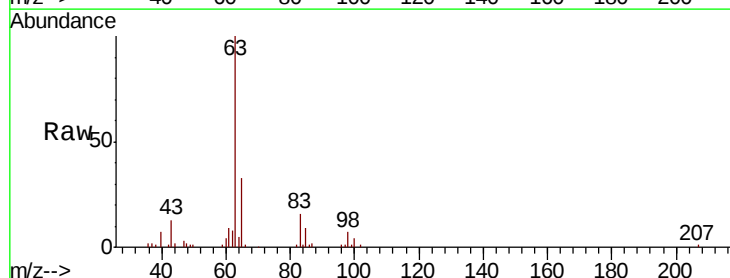
Tgt Ion: 63 Resp: 127936

Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

100 3.6 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

40000

30000

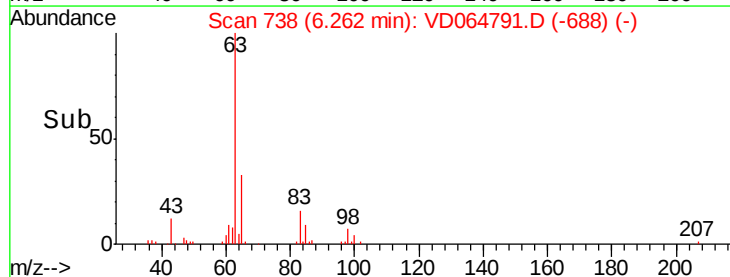
20000

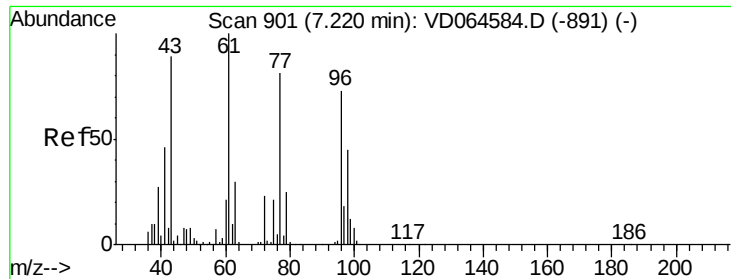
10000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 117.461 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

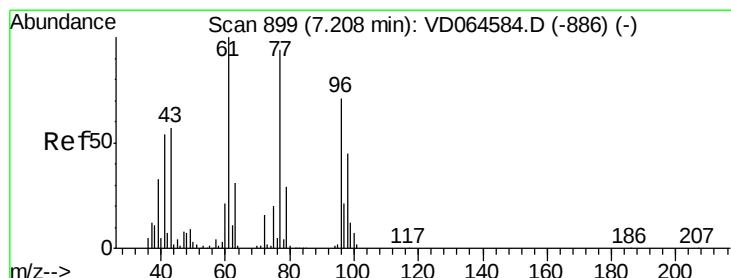
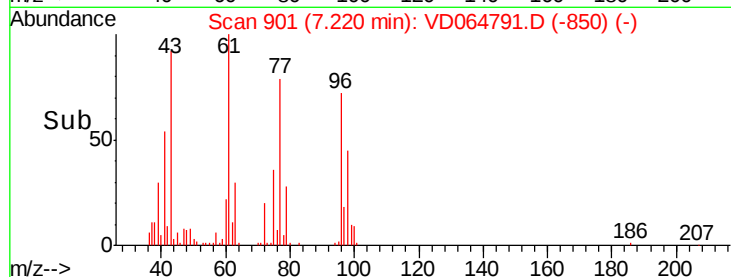
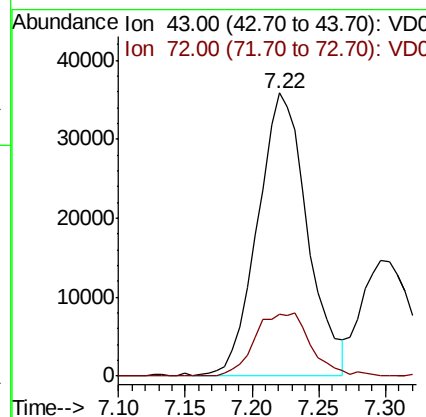
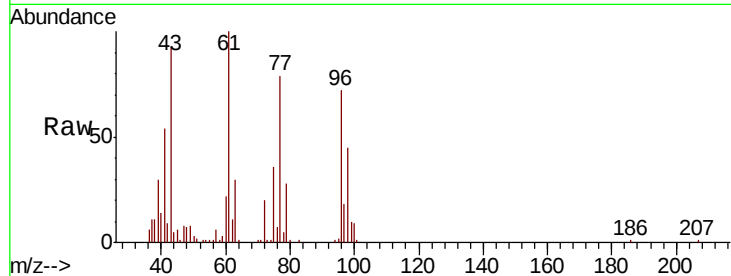
ClientSampleId :

Tot Ion: 43 Resp: 93216

Ion Ratio Lower Upper

43 100

72 21.7 20.7 31.1



#26

2,2-Dichloropropane

Concen: 22.089 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064791.D

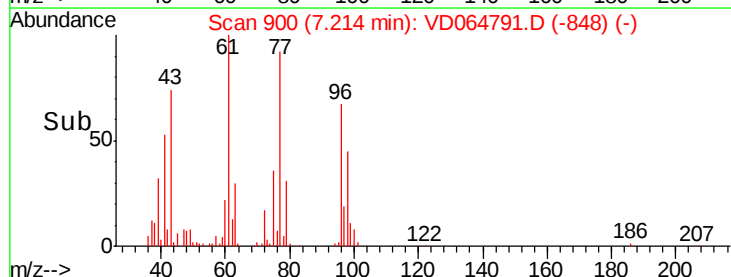
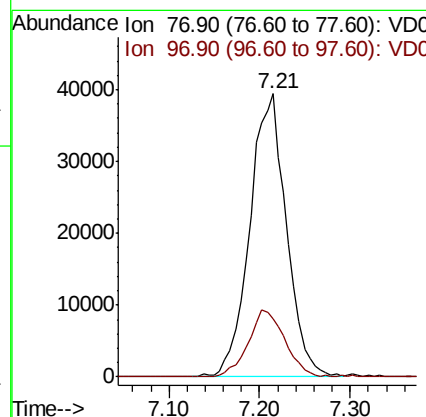
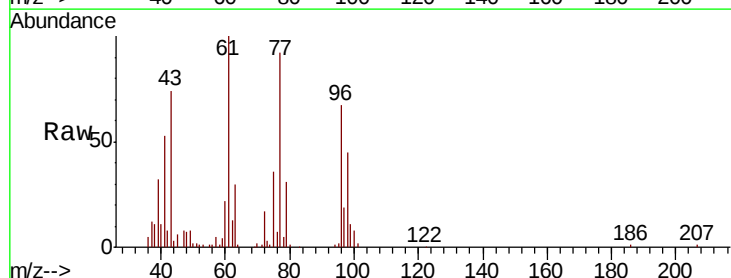
Acq: 07 Jan 2020 14:15

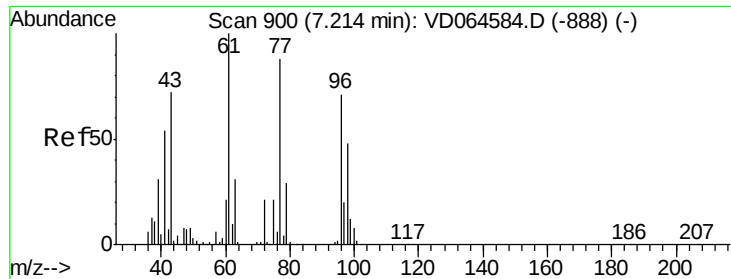
Tgt Ion: 77 Resp: 110443

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.6



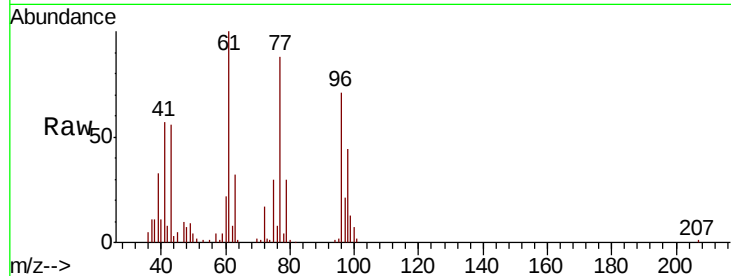


#27

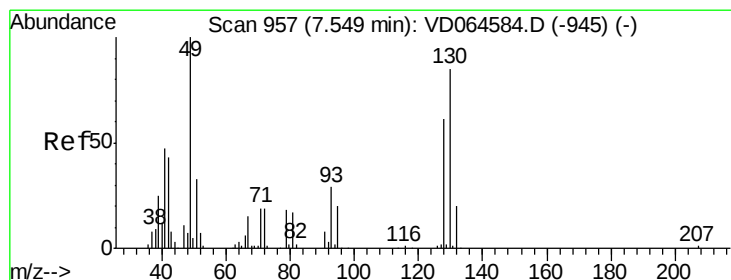
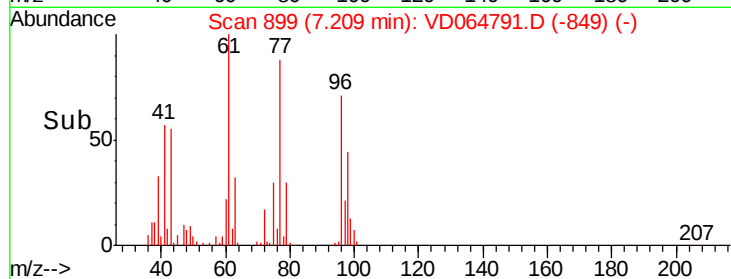
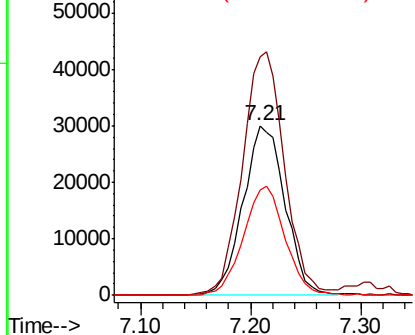
cis-1,2-Dichloroethene
 Concen: 22.684 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 80311
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 282.6
 98 63.5 0.0 130.8



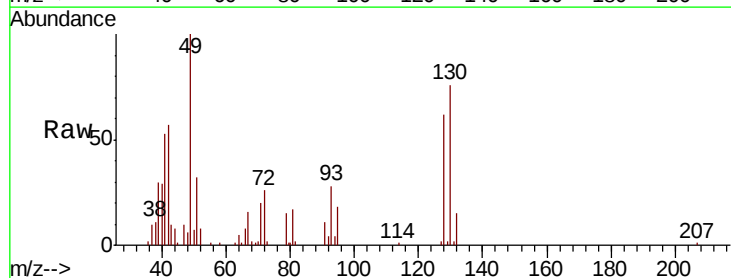
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



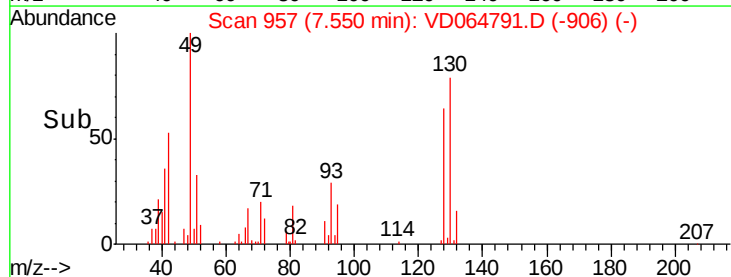
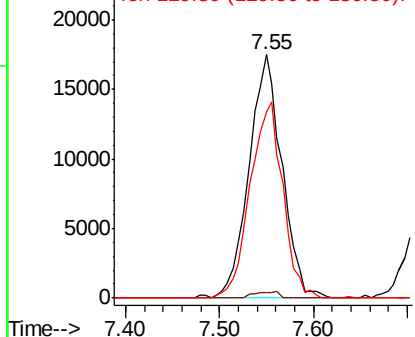
#28

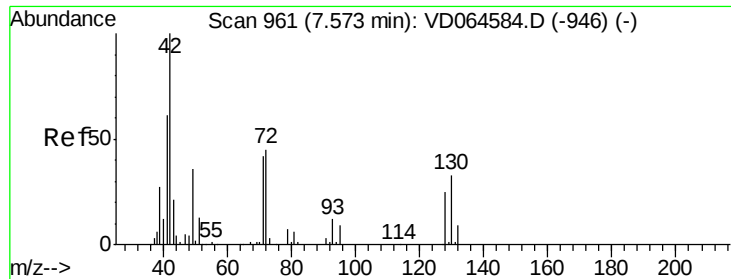
Bromochloromethane
 Concen: 20.268 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 49 Resp: 42369
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 79.6 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

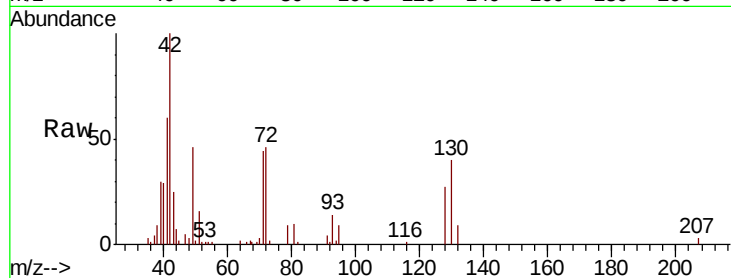




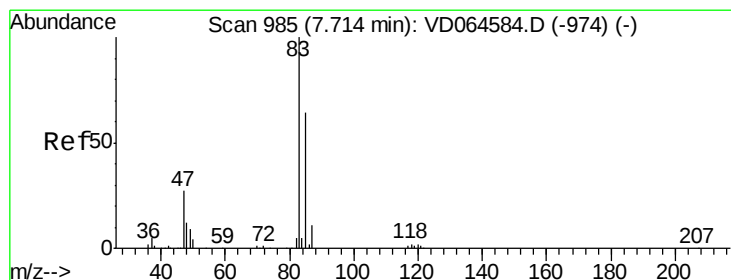
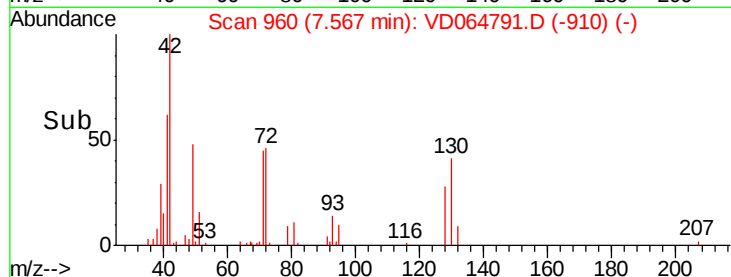
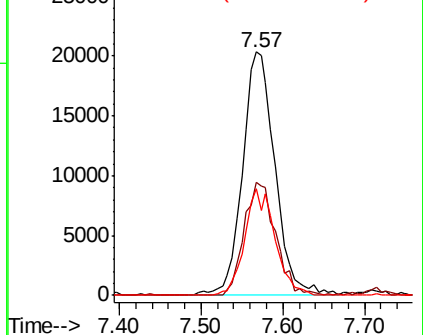
#29
Tetrahydrofuran
Concen: 113.463 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 55996
Ion Ratio Lower Upper
42 100
72 45.2 35.0 52.4
71 41.0 32.9 49.3

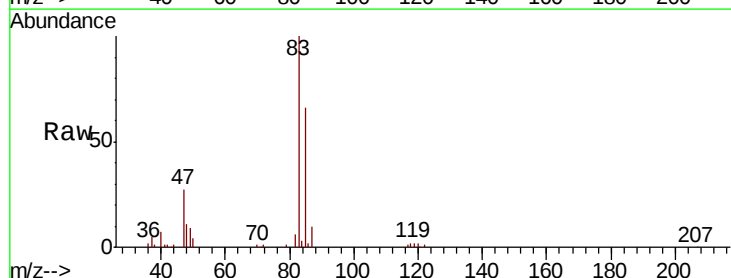


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

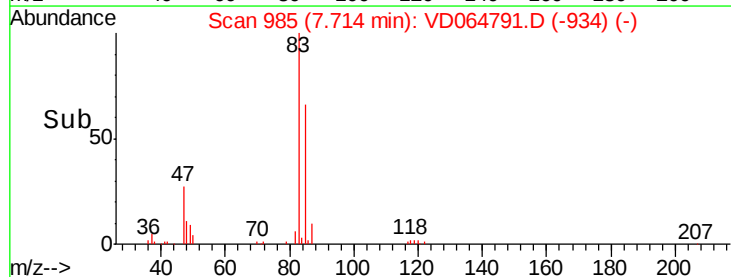
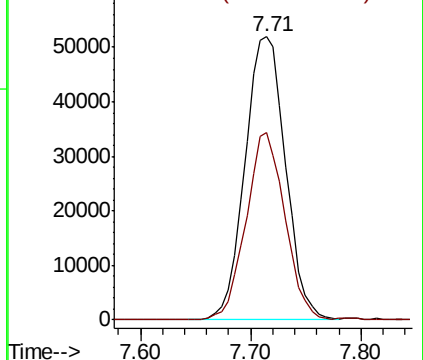


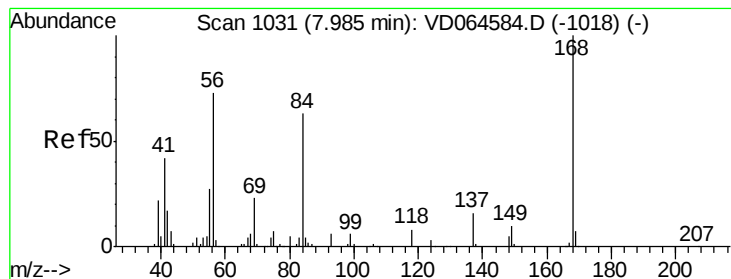
#30
Chloroform
Concen: 23.761 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 83 Resp: 134062
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7



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





#31

Cyclohexane

Concen: 20.968 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :
MSVOA_D
ClientSampled :

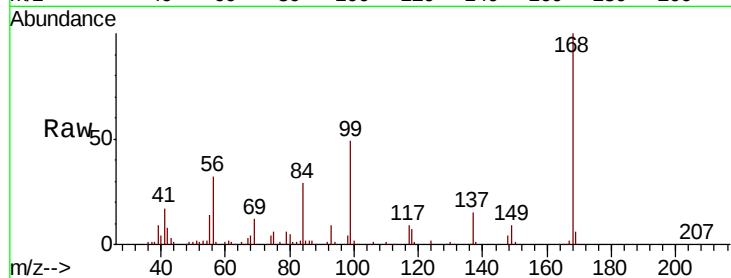
Tot Ion: 56 Resp: 112874

Ion Ratio Lower Upper

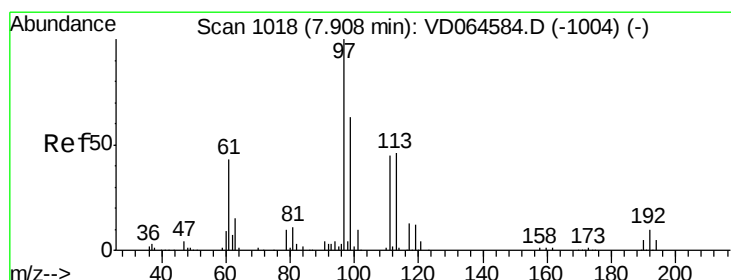
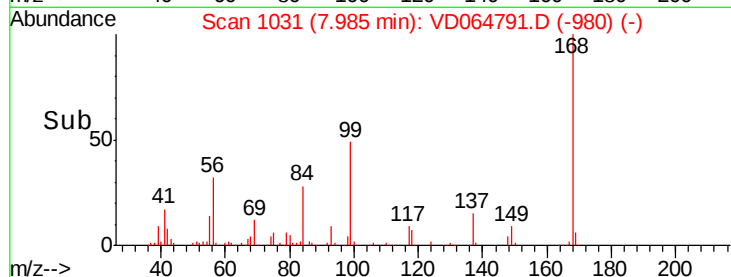
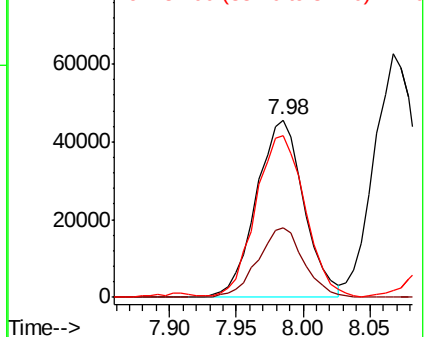
56 100

69 39.4 24.7 37.1#

84 89.5 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 23.432 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

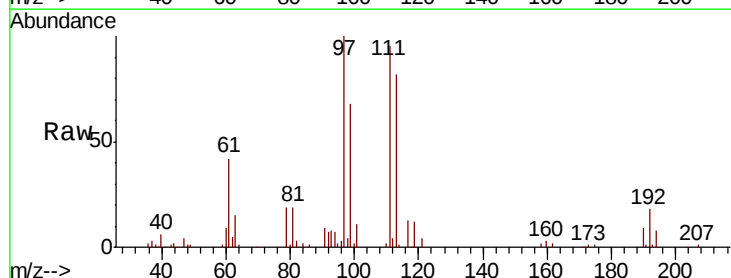
Tgt Ion: 97 Resp: 124175

Ion Ratio Lower Upper

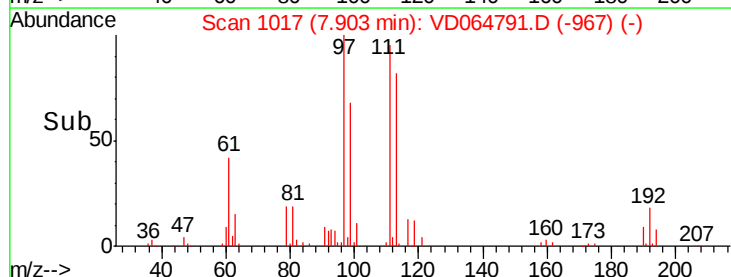
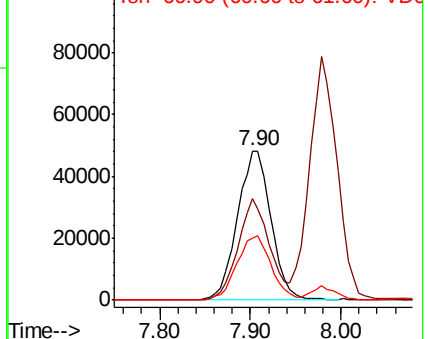
97 100

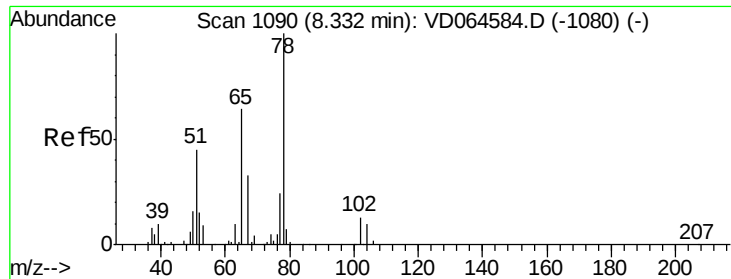
99 64.3 51.0 76.6

61 43.6 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

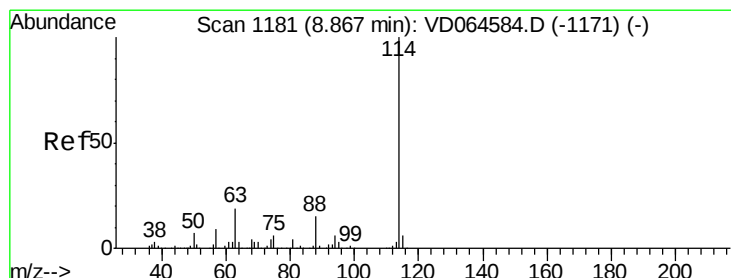
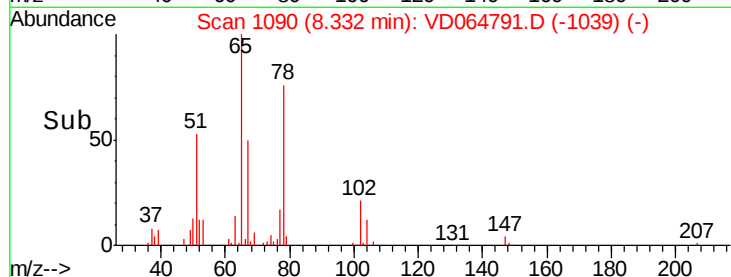
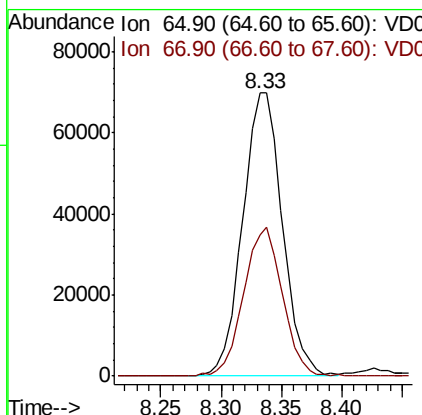
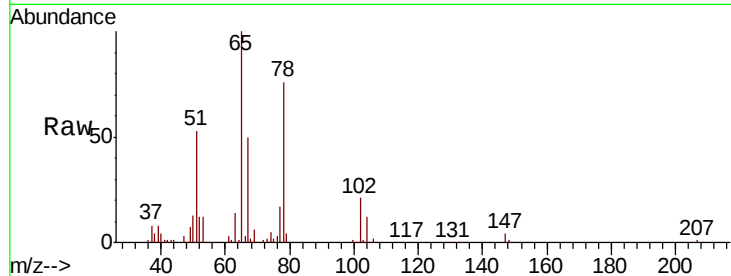




#33
 1,2-Dichloroethane-d4
 Concen: 55.552 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

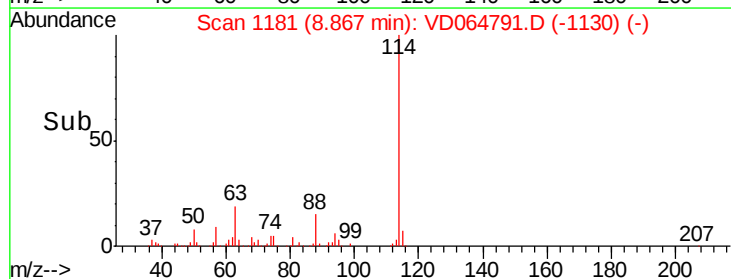
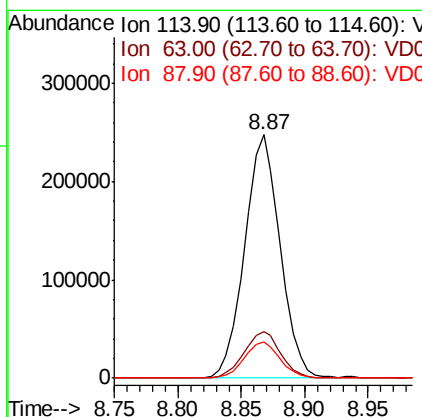
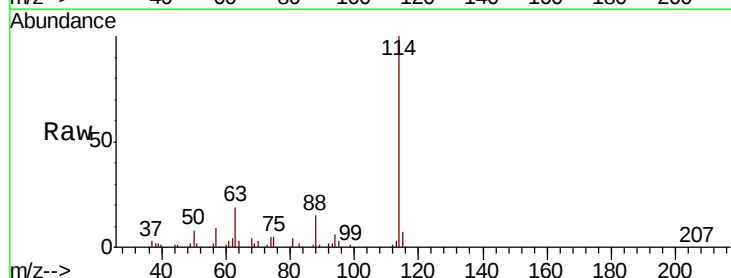
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 160385
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 114 Resp: 482231
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.0 0.0 29.2

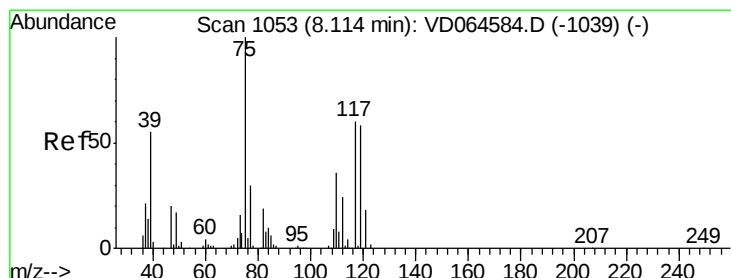
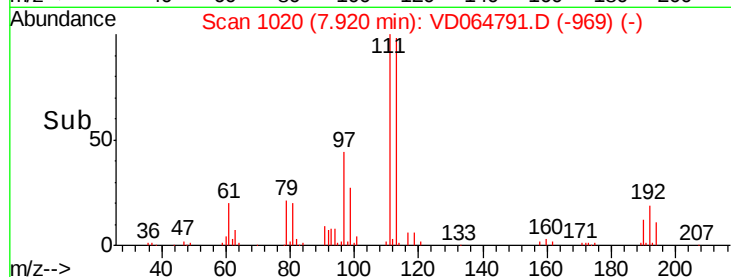
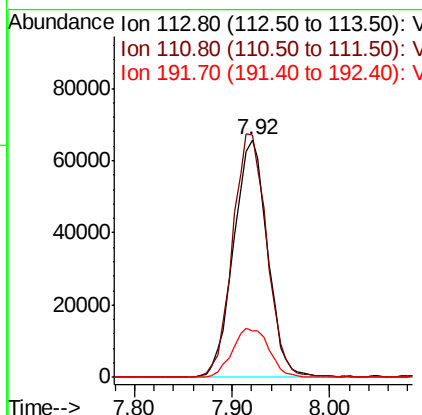
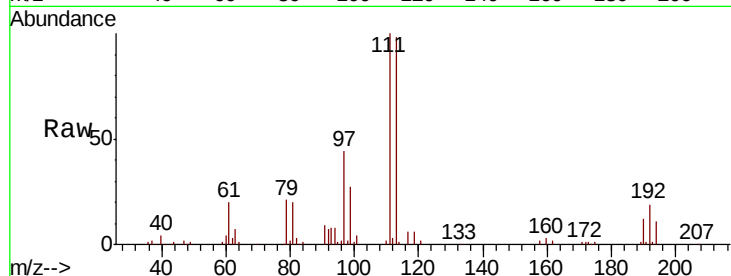




#35
 Dibromofluoromethane
 Concen: 53.532 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

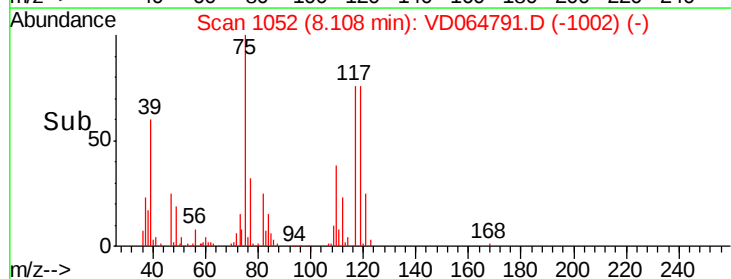
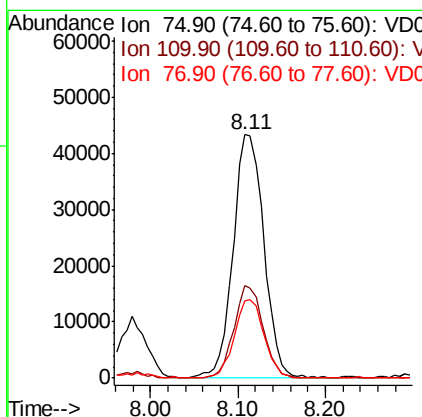
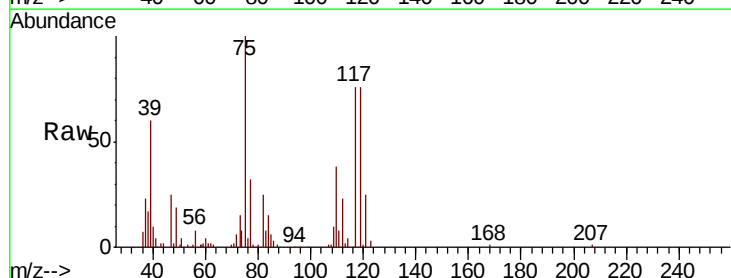
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.6	121.0
192	22.3	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 22.248 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	31.0	24.2	36.4

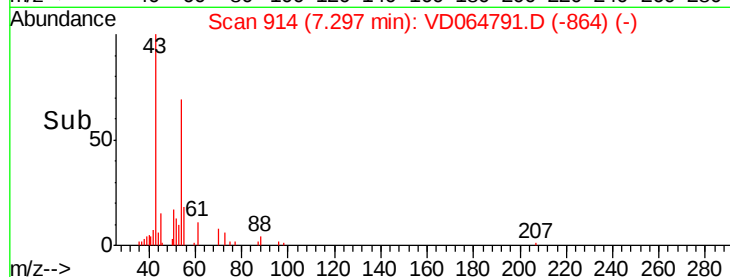
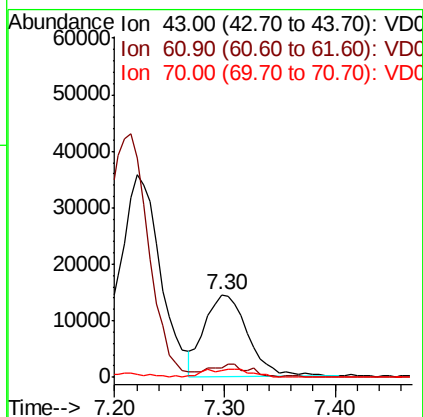
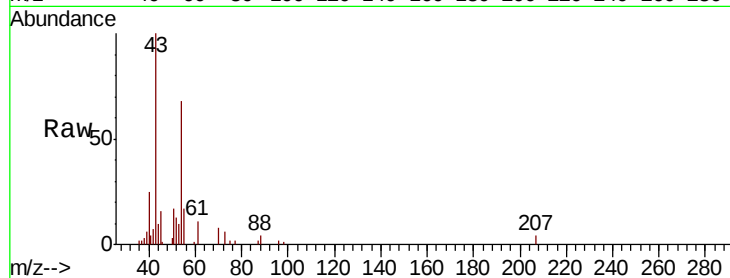




#37
Ethyl Acetate
Concen: 21.612 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

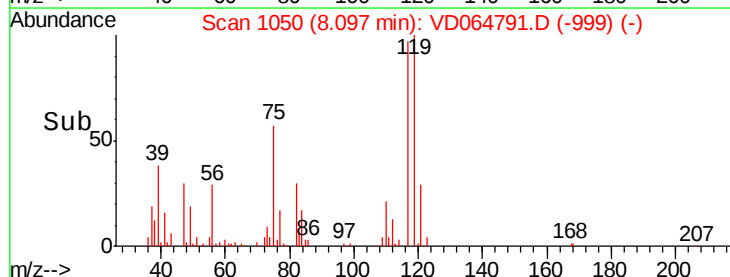
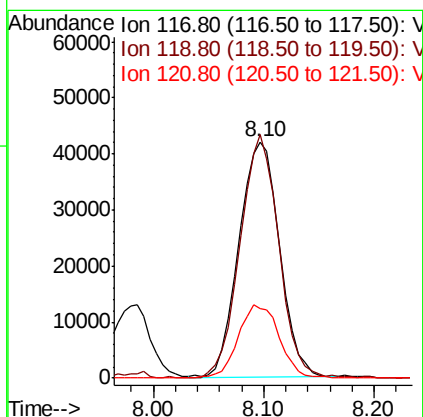
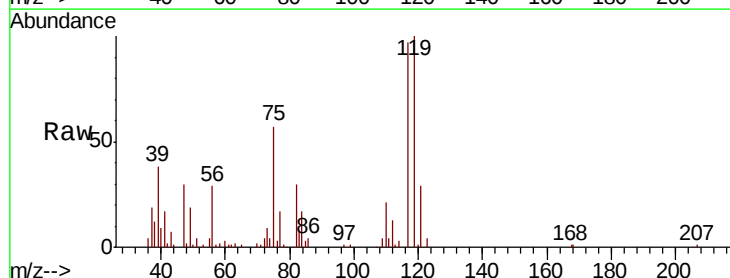
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 39407
Ion Ratio Lower Upper
43 100
61 12.5 10.3 15.5
70 6.2 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 21.897 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 117 Resp: 108372
Ion Ratio Lower Upper
117 100
119 103.7 77.3 115.9
121 29.8 25.0 37.6

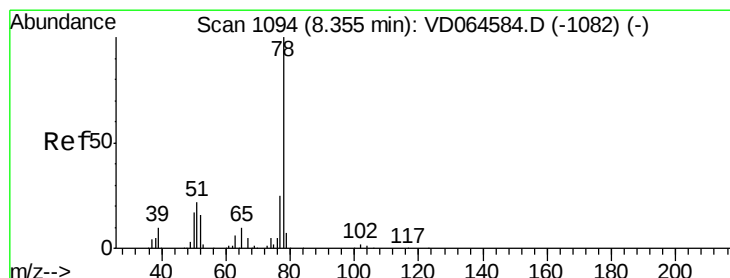
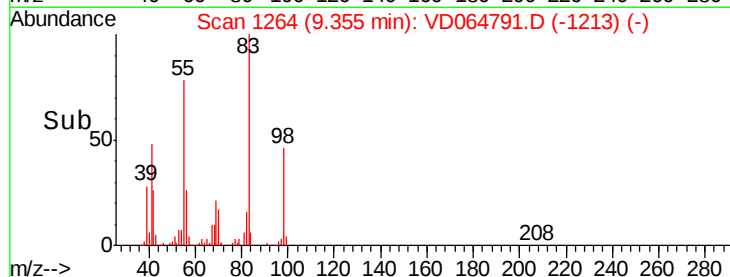
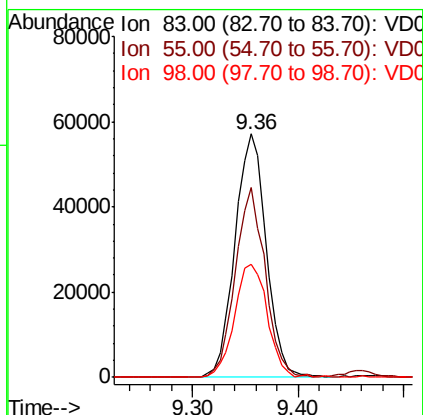
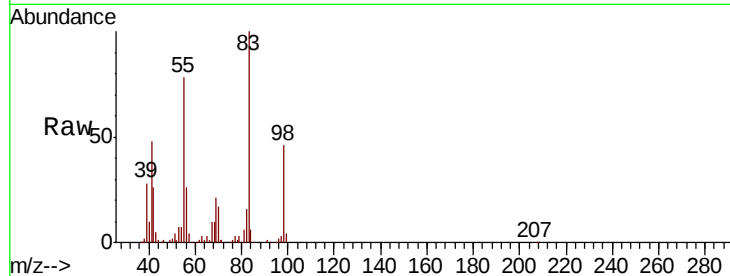




#39
Methylvlcvclohexane
Concen: 20.838 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

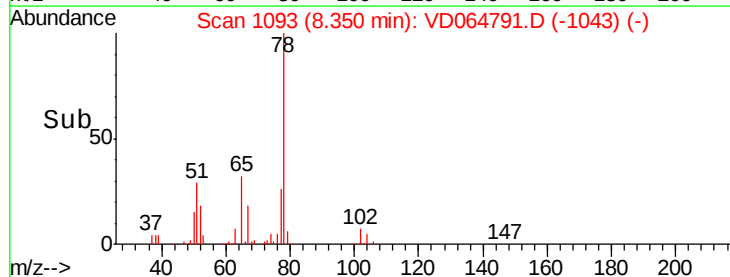
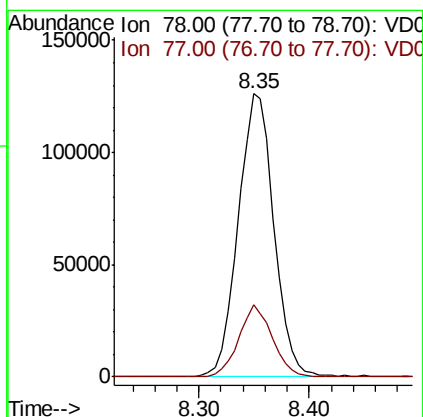
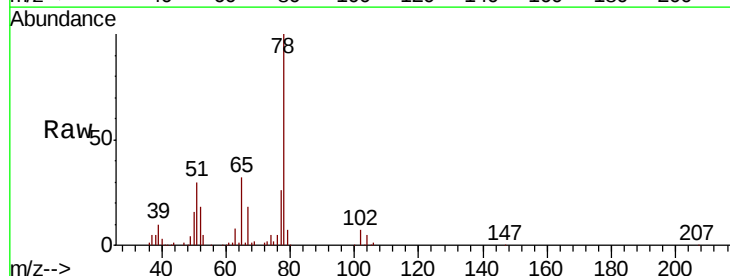
Instrument :
MSVOA_D
ClientSampled :

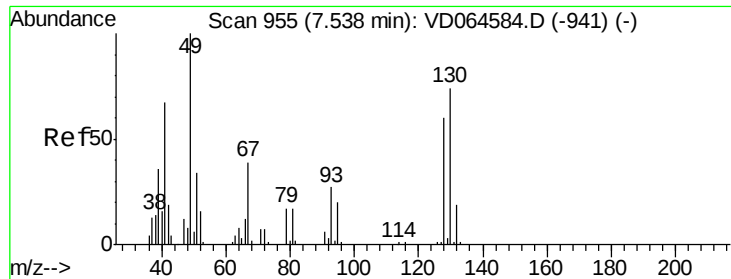
Tot Ion: 83 Resp: 117142
Ion Ratio Lower Upper
83 100
55 78.2 57.8 86.6
98 46.2 38.7 58.1



#40
Benzene
Concen: 22.539 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 78 Resp: 285579
Ion Ratio Lower Upper
78 100
77 25.6 19.9 29.9

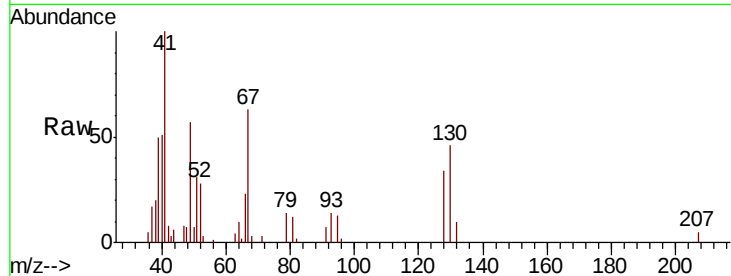




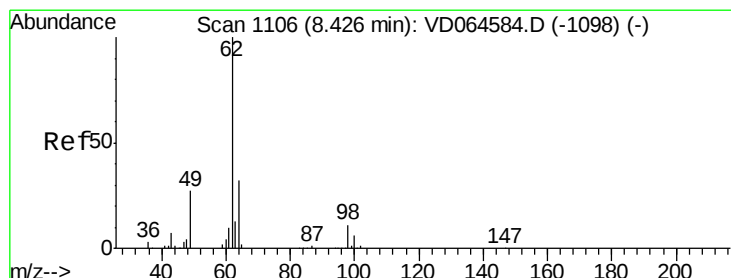
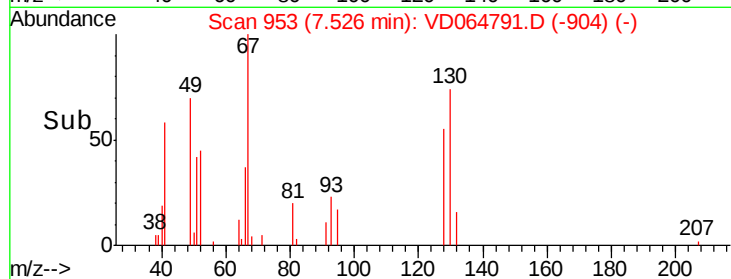
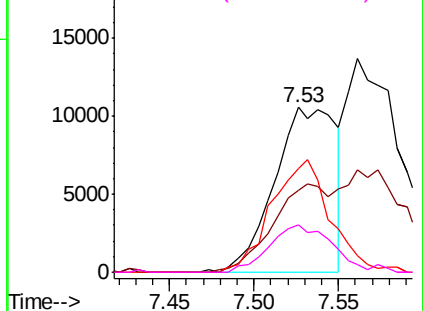
#41
Methacrylonitrile
Concen: 25.358 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 26827
Ion Ratio Lower Upper
41 100
39 47.6 46.7 70.1
67 65.4 52.5 78.7
52 29.7 24.1 36.1

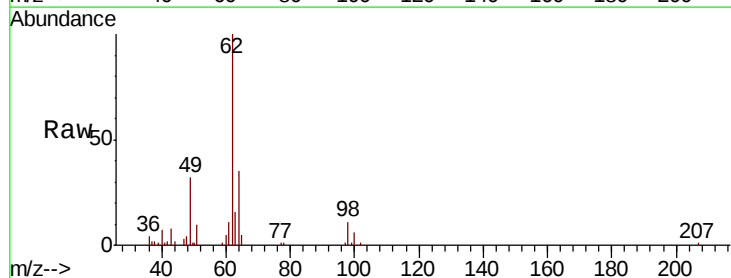


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

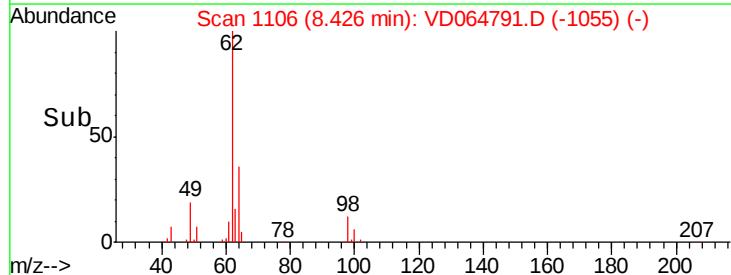
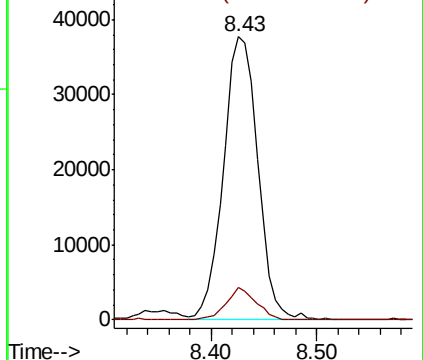


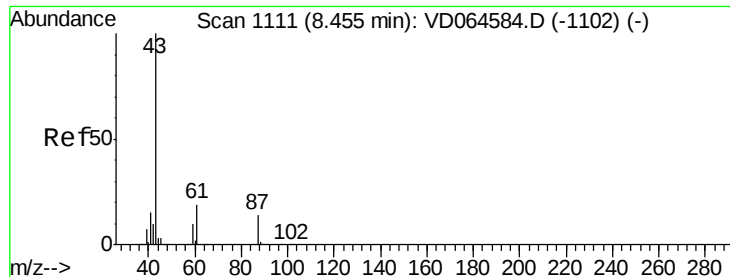
#42
1,2-Dichloroethane
Concen: 23.267 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 62 Resp: 85192
Ion Ratio Lower Upper
62 100
98 9.7 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: 21.587 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

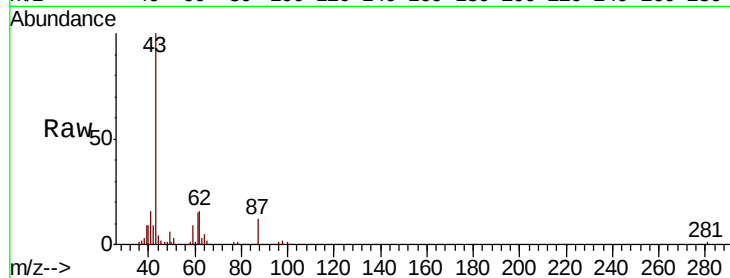
Tot Ion: 43 Resp: 78348

Ion Ratio Lower Upper

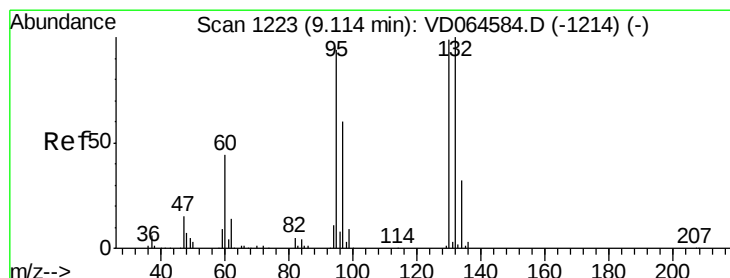
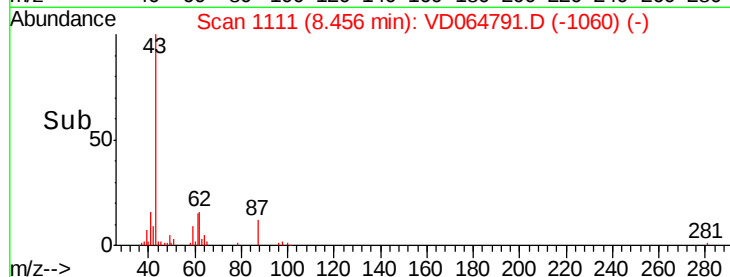
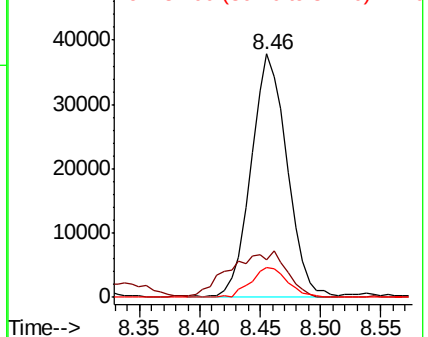
43 100

61 29.4 23.7 35.5

87 12.4 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: 21.958 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064791.D

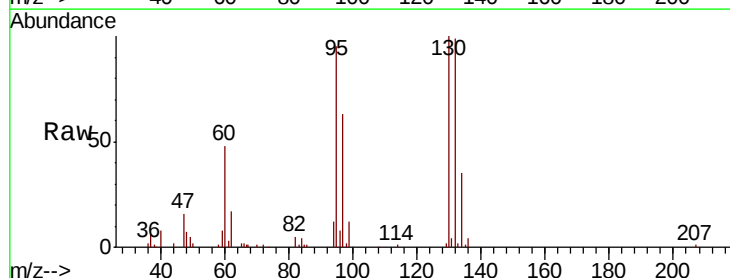
Acq: 07 Jan 2020 14:15

Tgt Ion:130 Resp: 81732

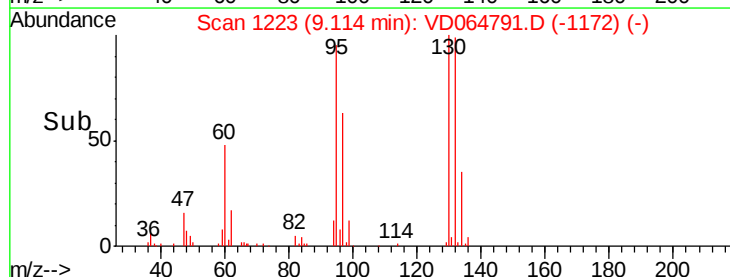
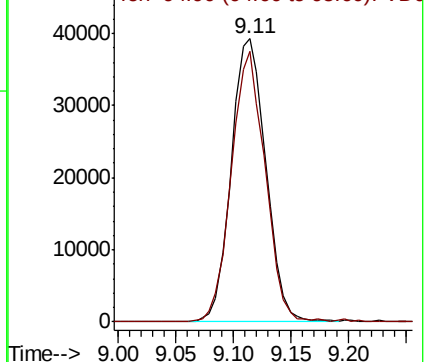
Ion Ratio Lower Upper

130 100

95 95.5 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: 23.405 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

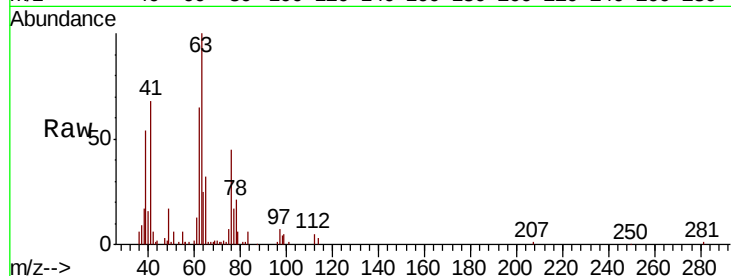
ClientSampleId :

Tot Ion: 63 Resp: 70807

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

40000

30000

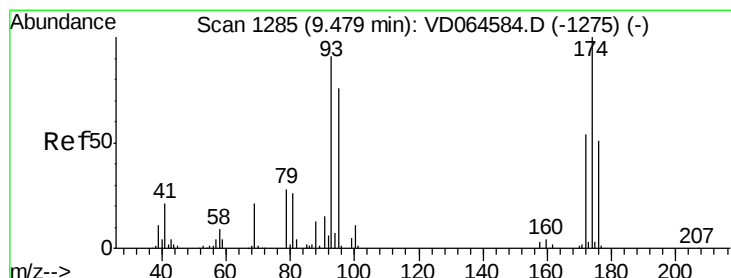
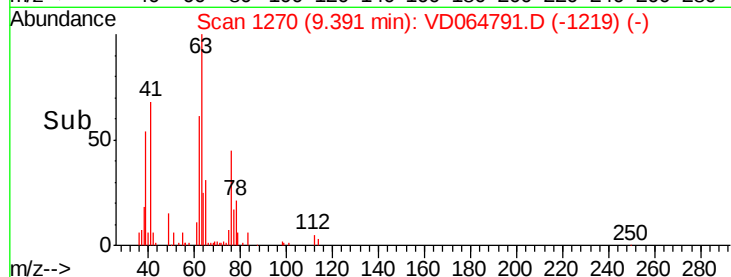
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#46

Dibromomethane

Concen: 22.576 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

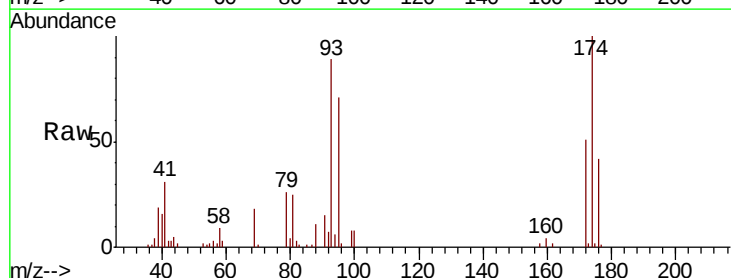
Tgt Ion: 93 Resp: 38079

Ion Ratio Lower Upper

93 100

95 81.7 64.6 97.0

174 111.7 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

30000

25000

20000

15000

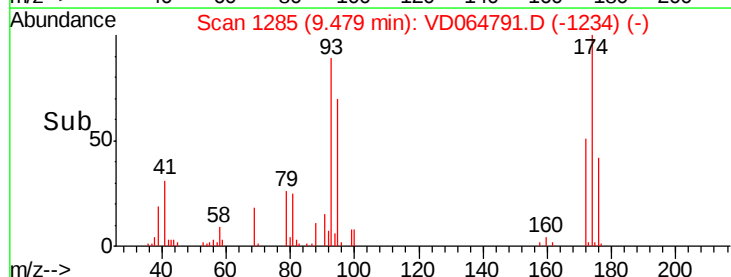
10000

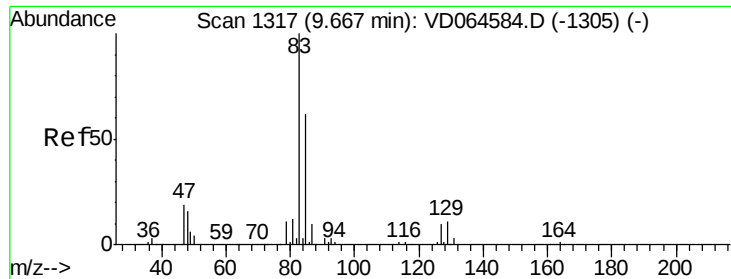
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 22.868 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

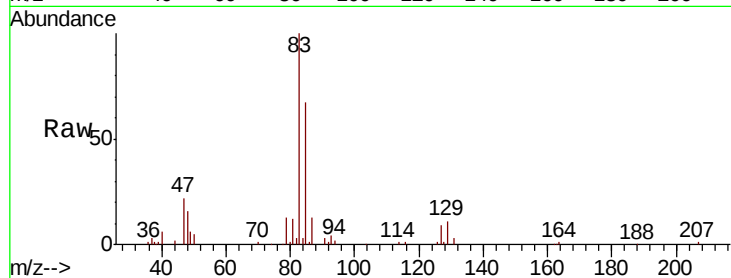
Tot Ion: 83 Resp: 102639

Ion Ratio Lower Upper

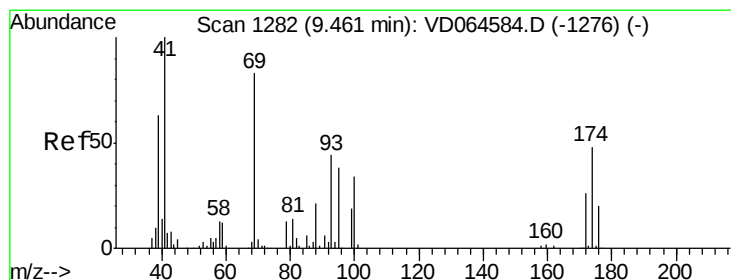
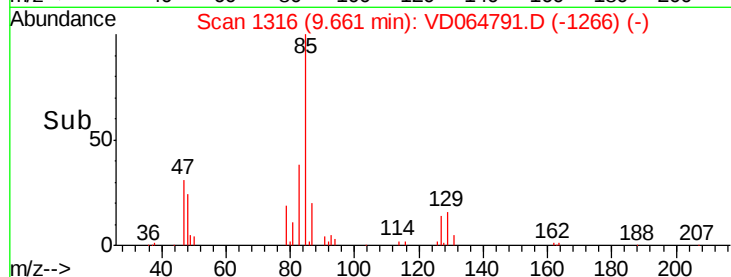
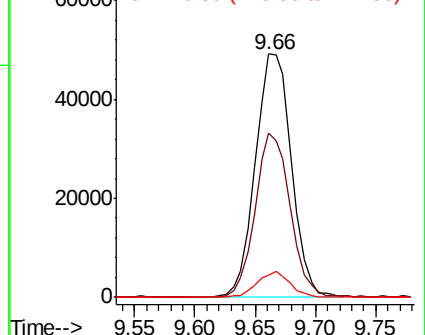
83 100

85 67.4 49.5 74.3

127 9.2 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: 21.736 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

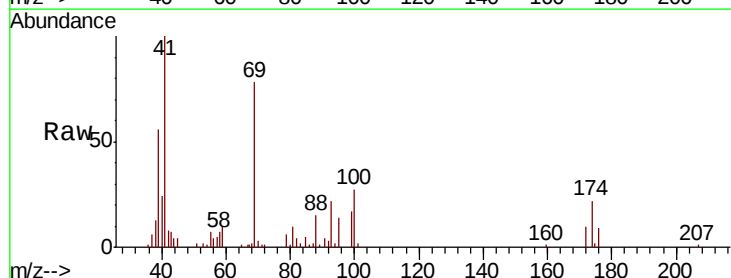
Tgt Ion: 41 Resp: 37144

Ion Ratio Lower Upper

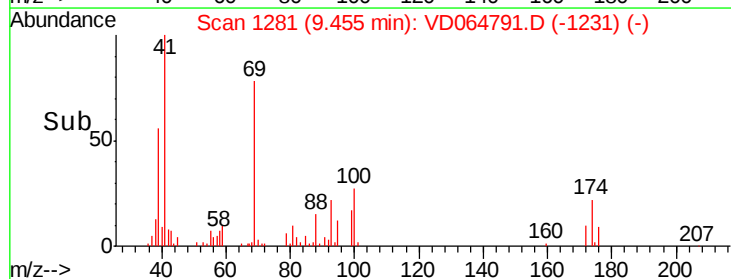
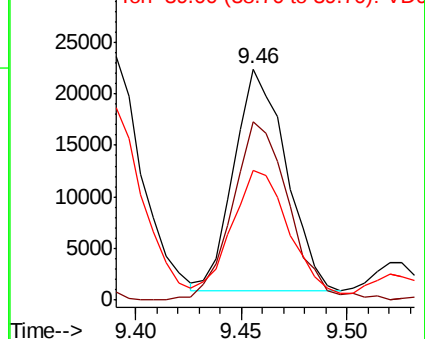
41 100

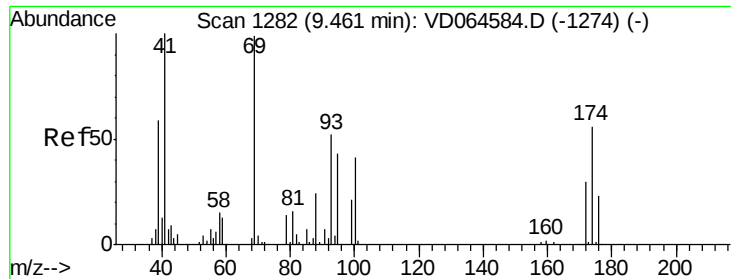
69 86.7 63.0 94.6

39 66.7 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

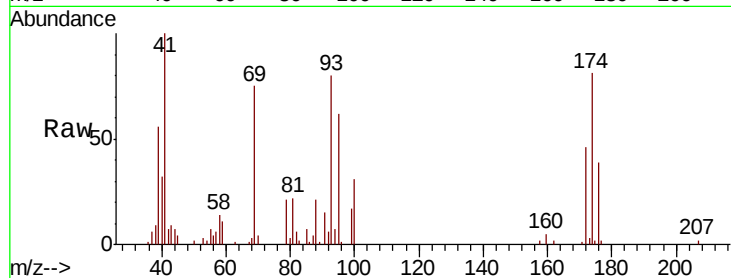




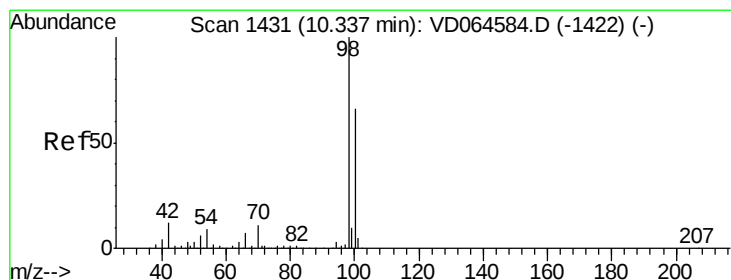
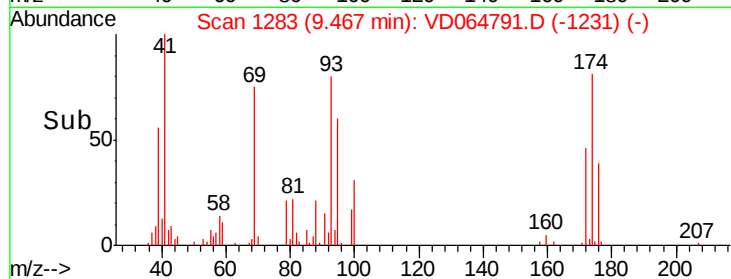
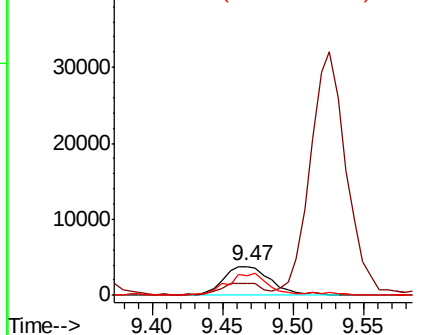
#49
 1,4-Dioxane
 Concen: 456.943 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 8887
 Ion Ratio Lower Upper
 88 100
 43 37.4 27.7 41.5
 58 65.3 53.8 80.6

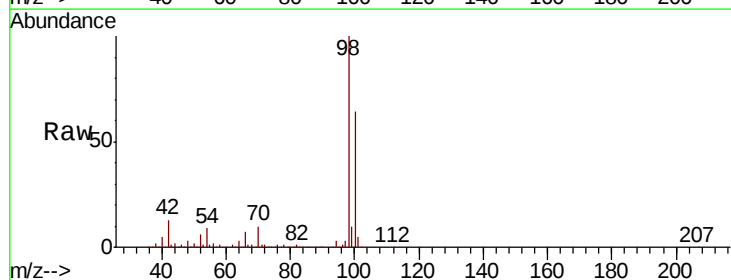


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

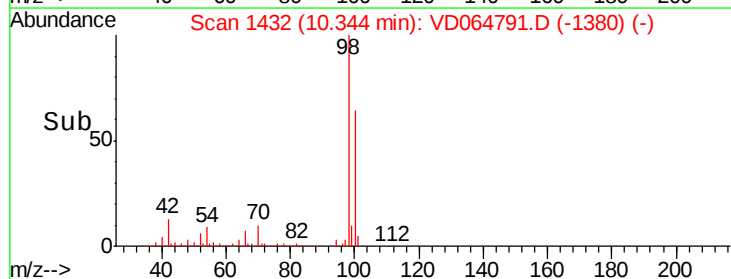
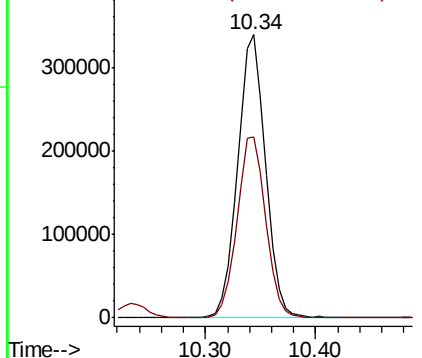


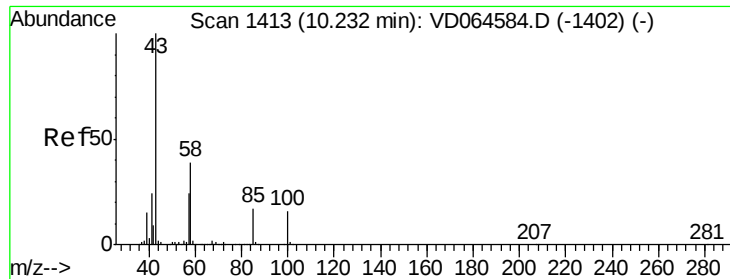
#50
 Toluene-d8
 Concen: 53.045 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 98 Resp: 601055
 Ion Ratio Lower Upper
 98 100
 100 65.9 51.7 77.5



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

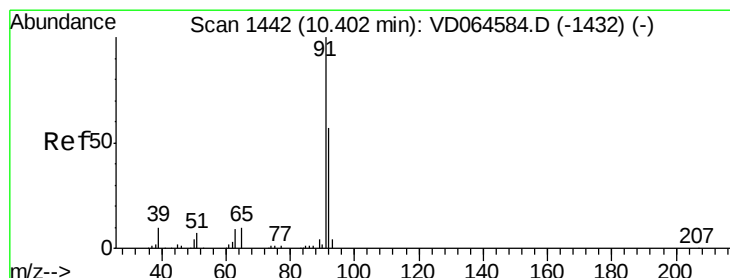
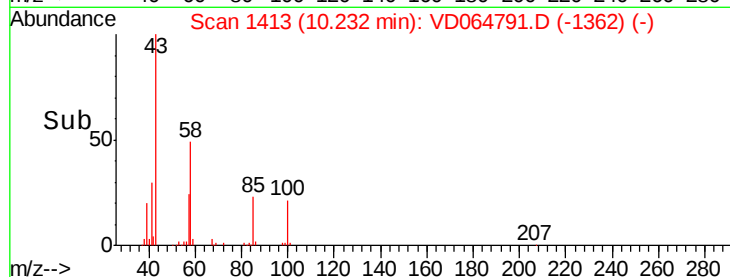
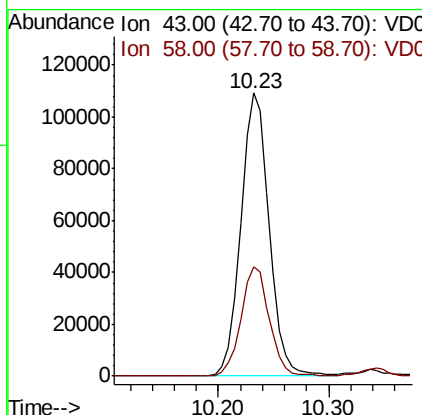
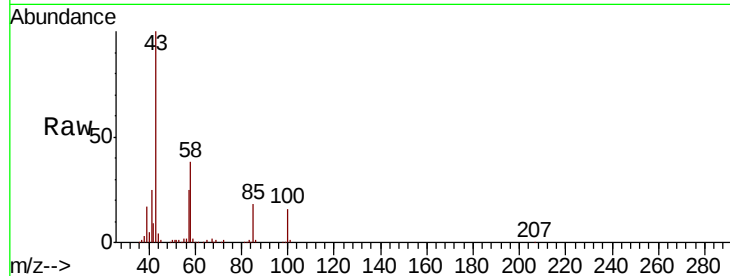




#51
 4-Methyl-2-Pentanone
 Concen: 109.808 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

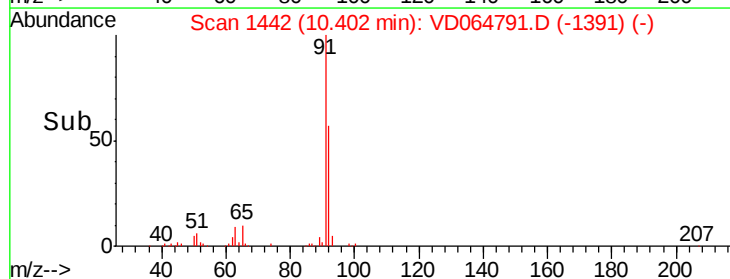
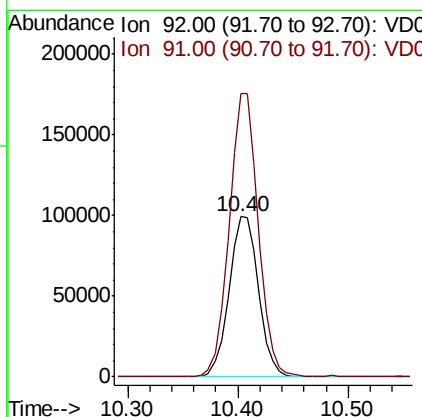
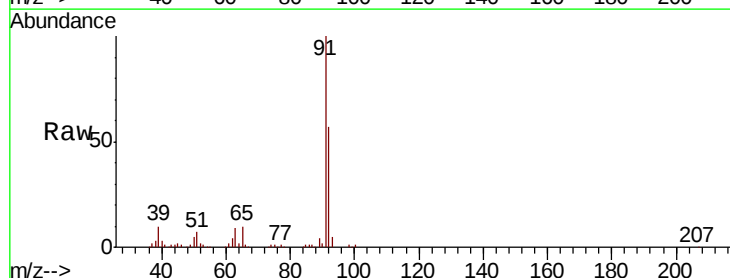
Instrument :
 MSVOA_D
 ClientSampleId :

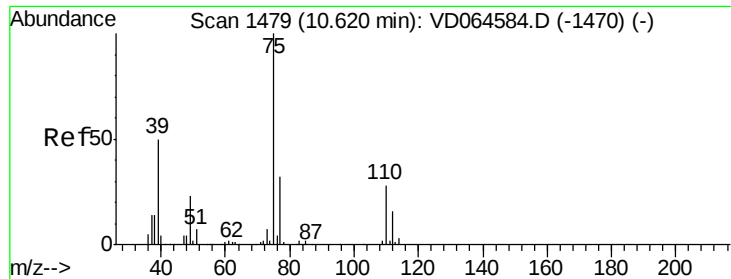
Tot Ion: 43 Resp: 196984
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.2 45.2



#52
 Toluene
 Concen: 22.345 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 92 Resp: 185749
 Ion Ratio Lower Upper
 92 100
 91 174.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 22.677 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

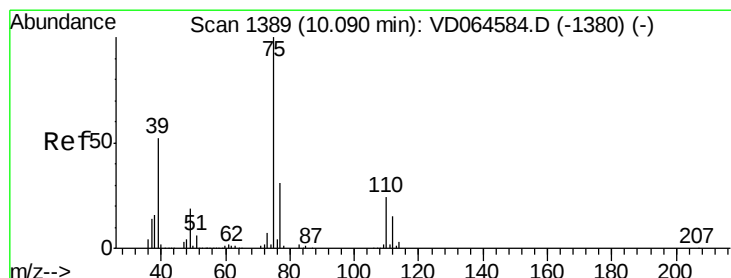
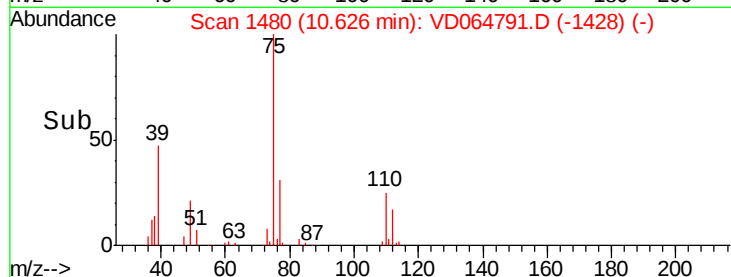
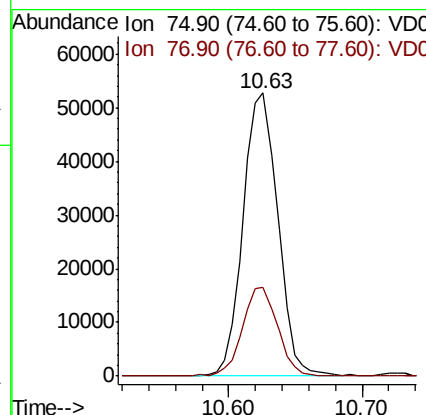
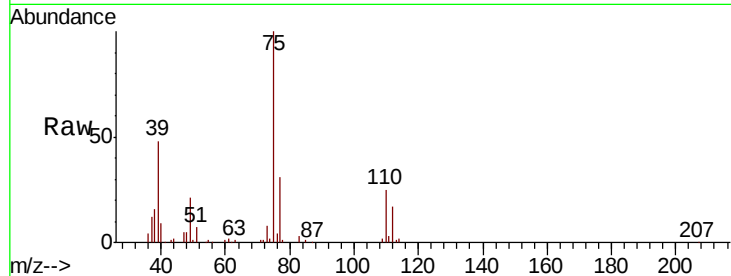
ClientSampled :

Tot Ion: 75 Resp: 94892

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.065 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

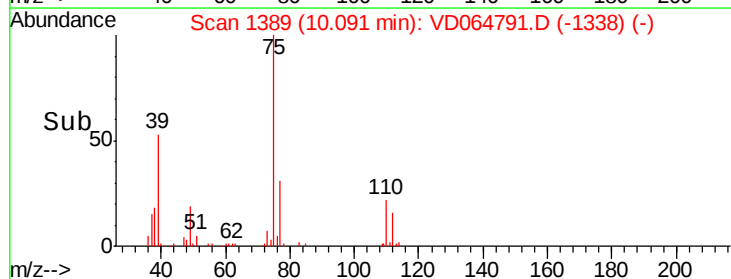
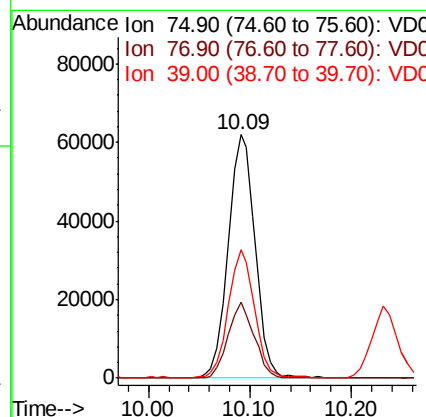
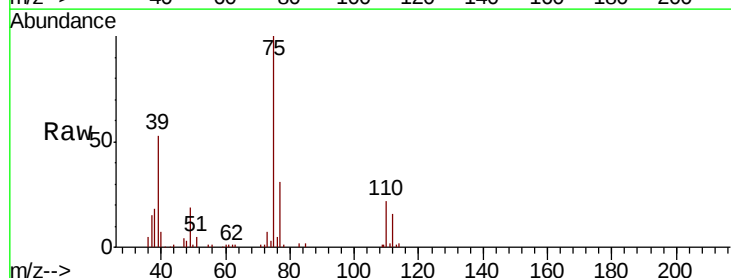
Tgt Ion: 75 Resp: 113804

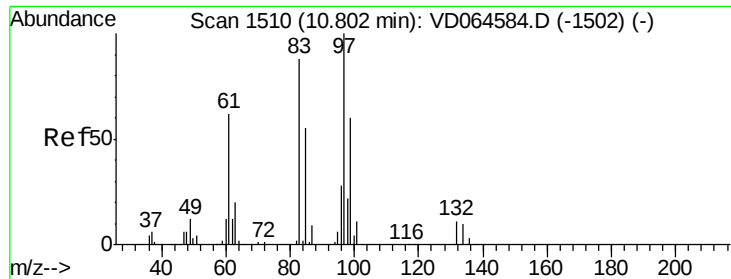
Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 52.5 41.4 62.2

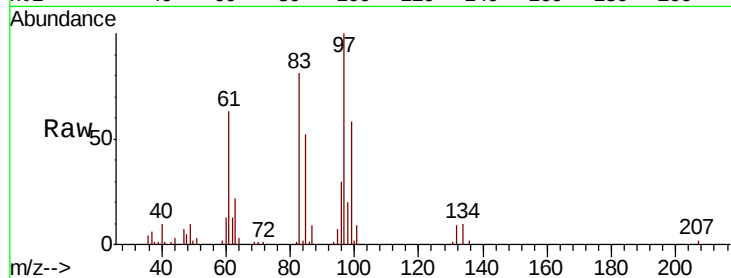




#55
 1,1,2-Trichloroethane
 Concen: 23.732 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.2	105.4
85	52.4	44.0	66.0
99	57.9	47.8	71.6



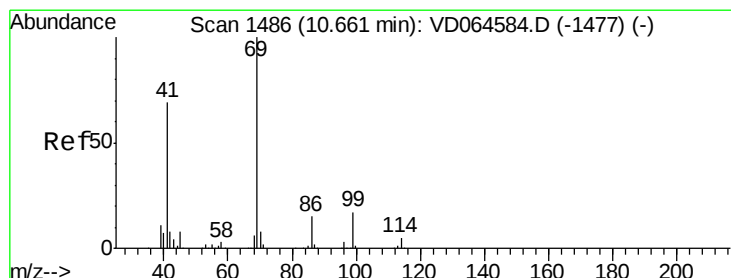
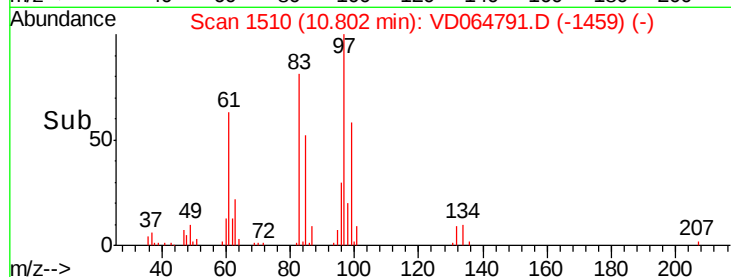
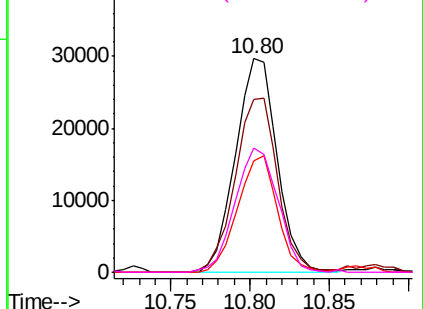
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

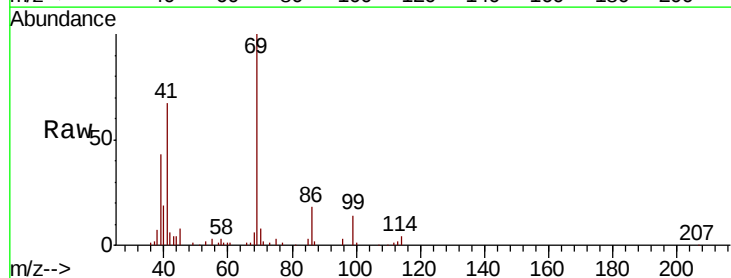
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.937 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	38.0	33.8	50.8

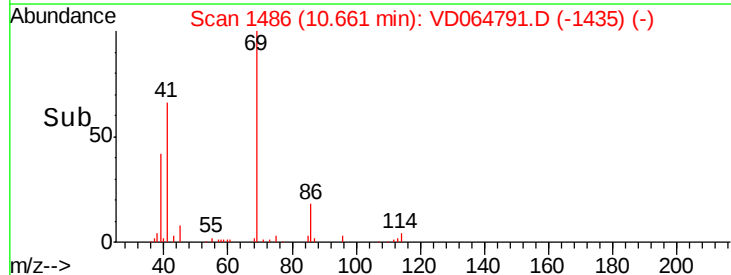
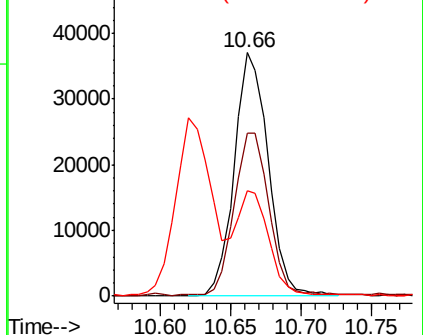


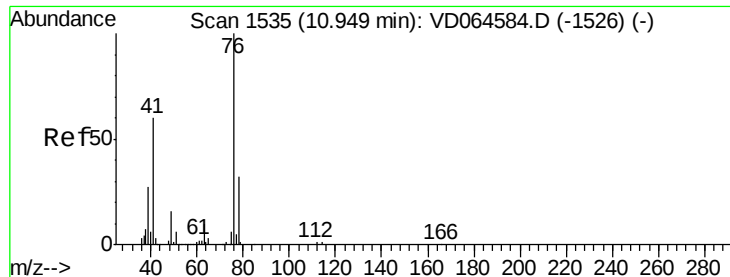
Abundance

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: 22.919 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

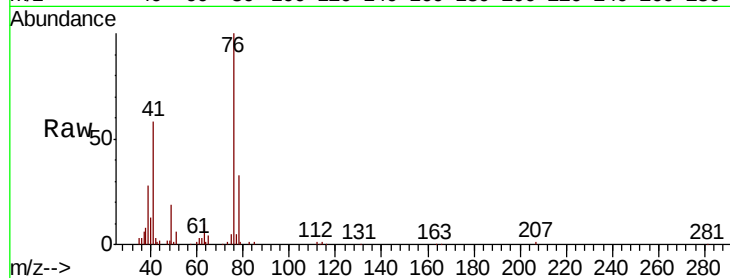
ClientSampled :

Tot Ion: 76 Resp: 89701

Ion Ratio Lower Upper

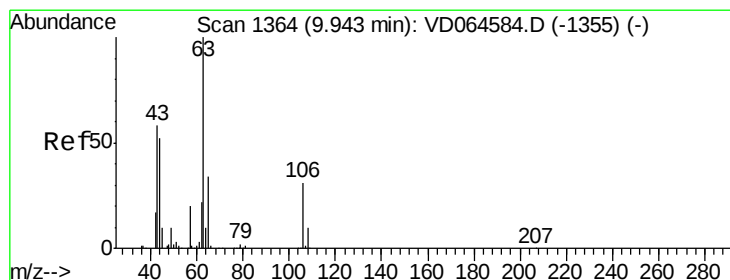
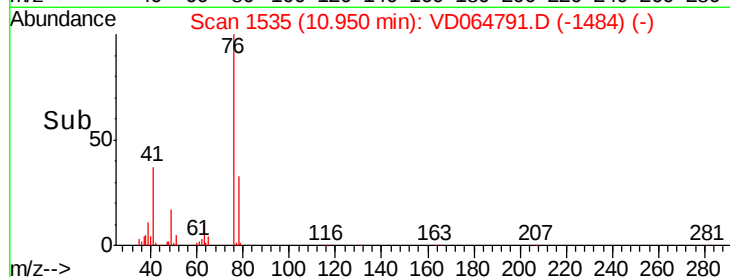
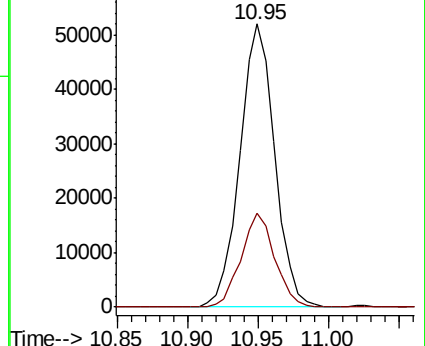
76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.174 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064791.D

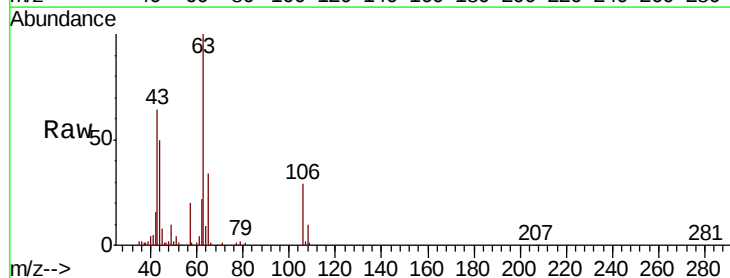
Acq: 07 Jan 2020 14:15

Tgt Ion: 63 Resp: 123487

Ion Ratio Lower Upper

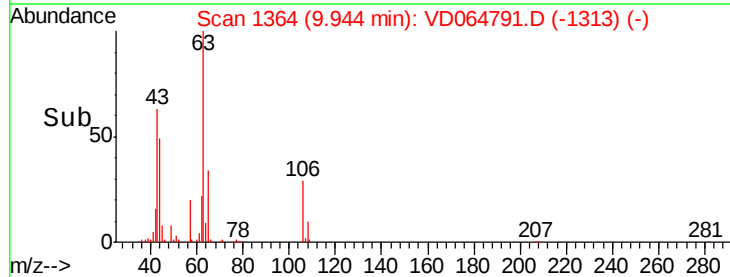
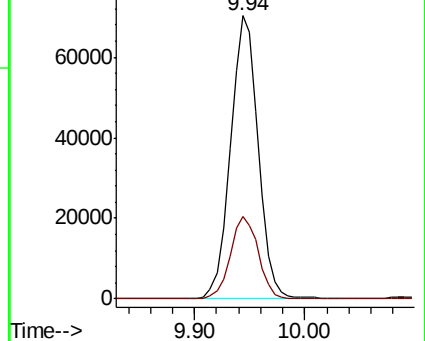
63 100

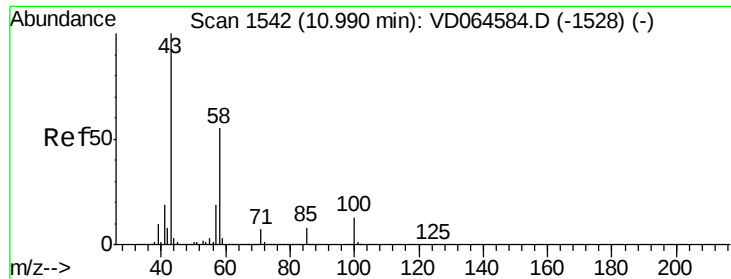
106 29.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

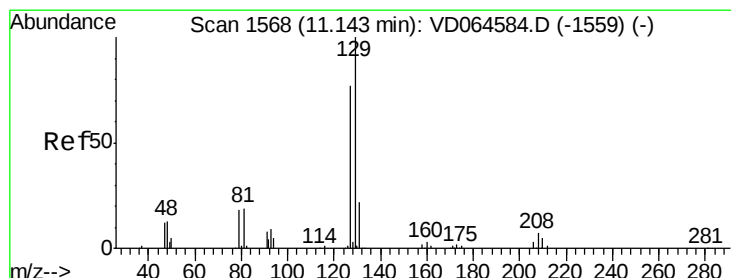
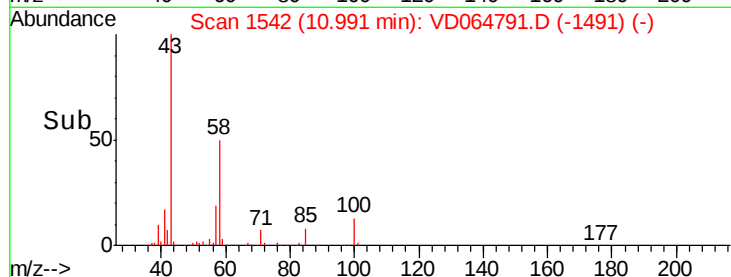
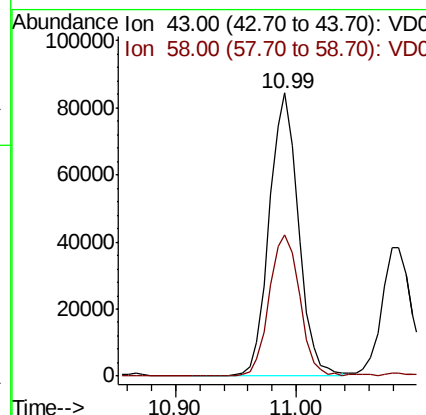
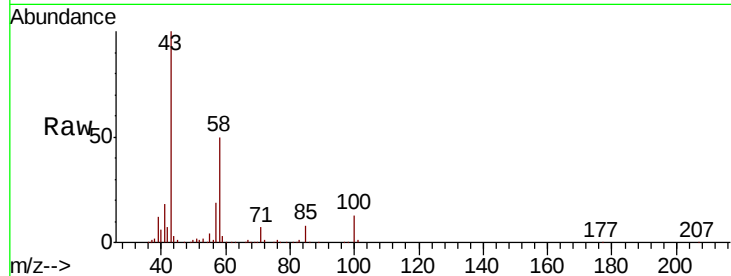




#59
2-Hexanone
Concen: 115.746 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

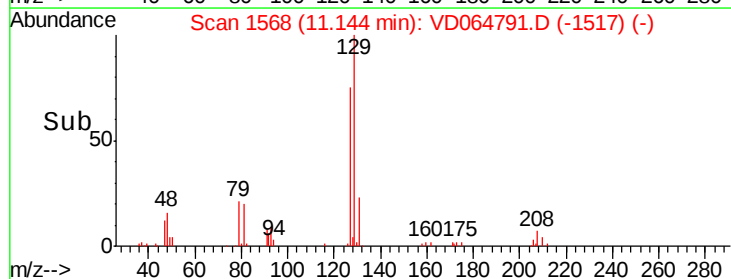
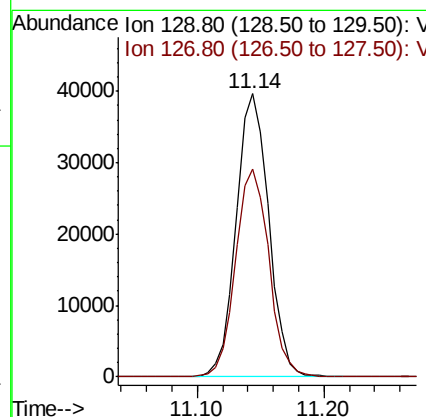
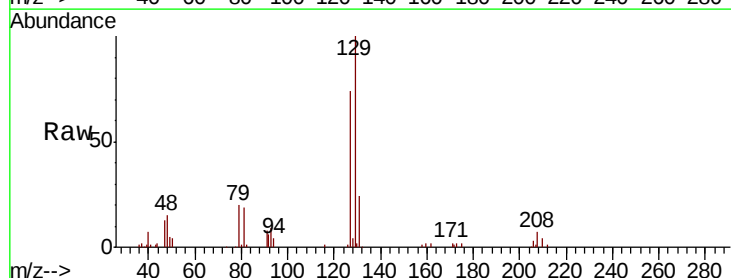
Instrument :
MSVOA_D
ClientSampleId :

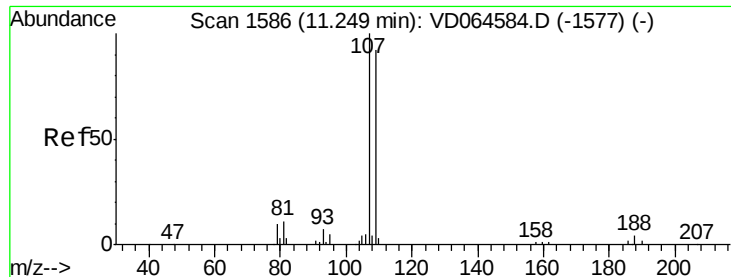
Tot Ion: 43 Resp: 140927
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 22.392 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 129 Resp: 70389
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.2

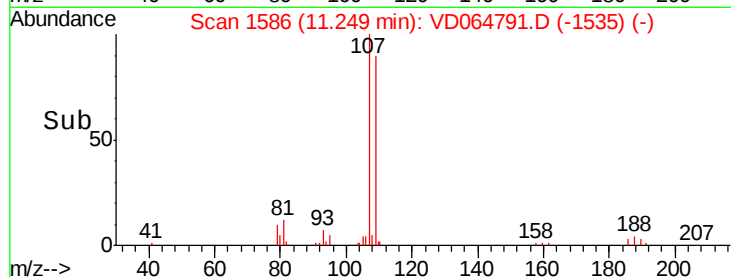
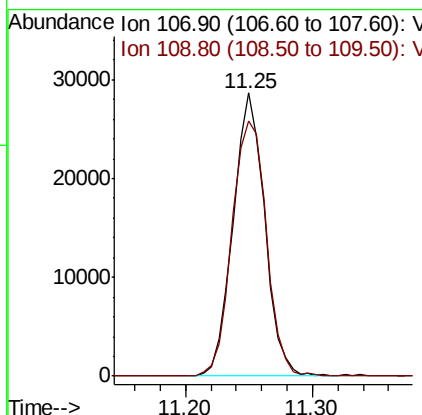
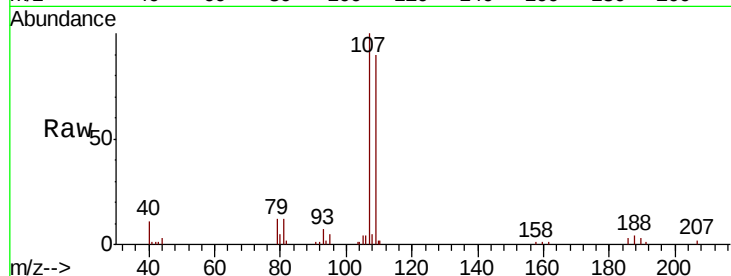




#61
 1,2-Dibromoethane
 Concen: 22.024 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

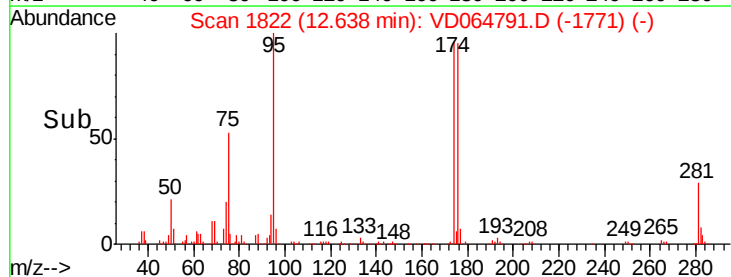
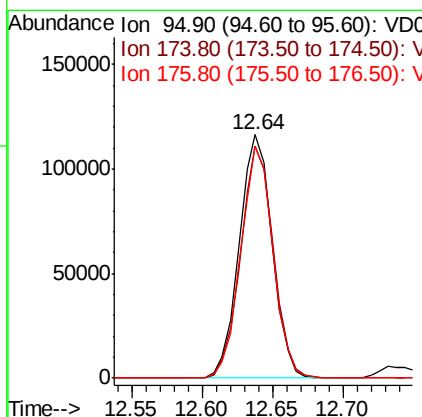
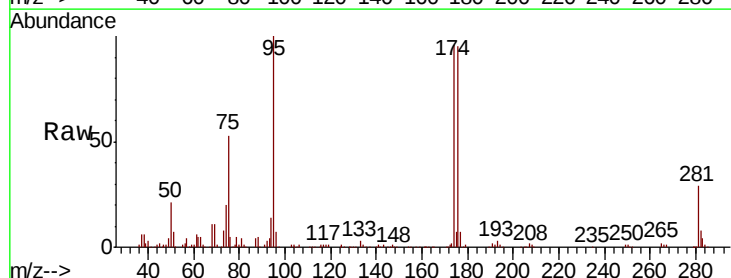
Instrument :
 MSVOA_D
 ClientSampleId :

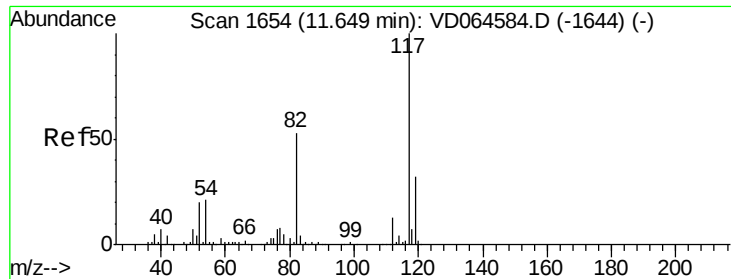
Tot Ion:107 Resp: 49378
 Ion Ratio Lower Upper
 107 100
 109 98.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.999 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 95 Resp: 189895
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 193.2
 176 92.9 0.0 184.2

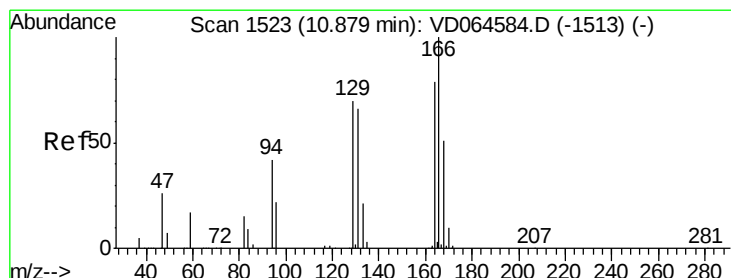
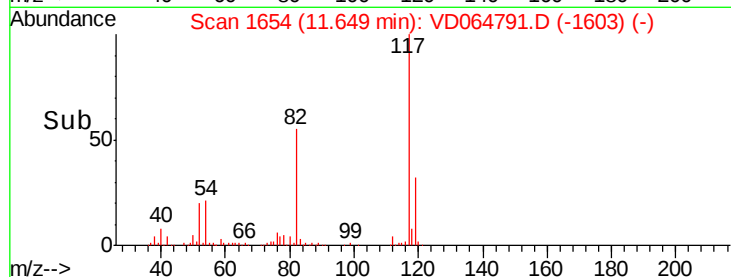
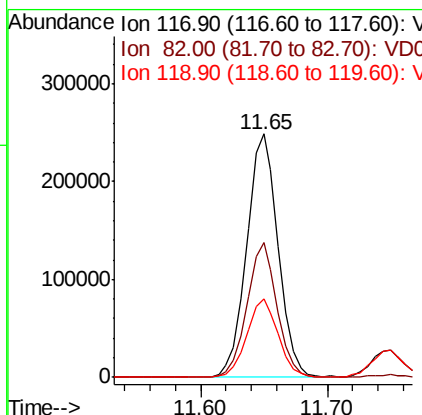
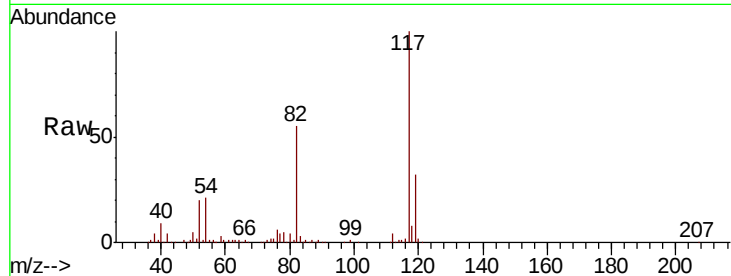




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

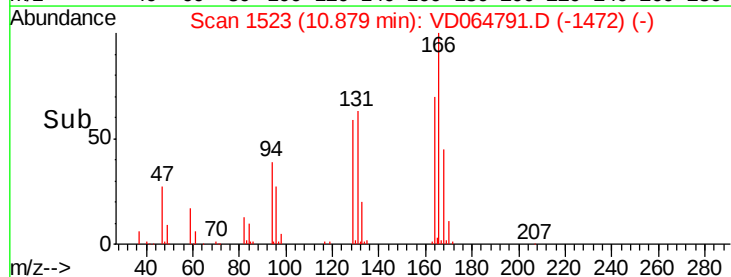
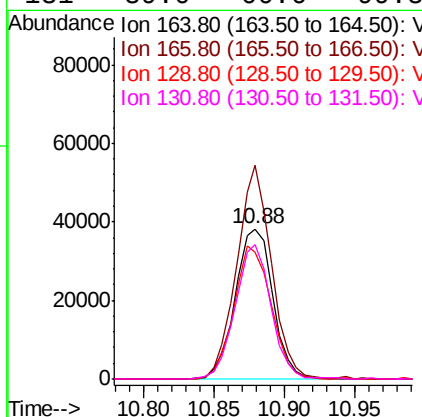
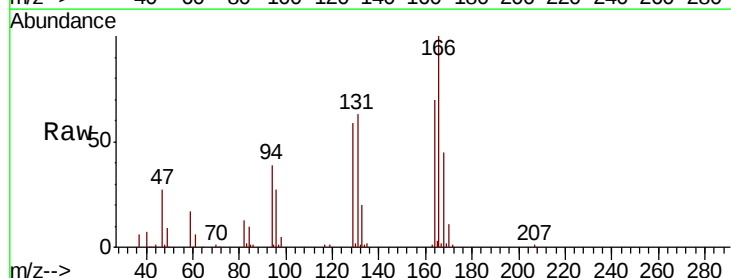
Instrument :
MSVOA_D
ClientSampleId :

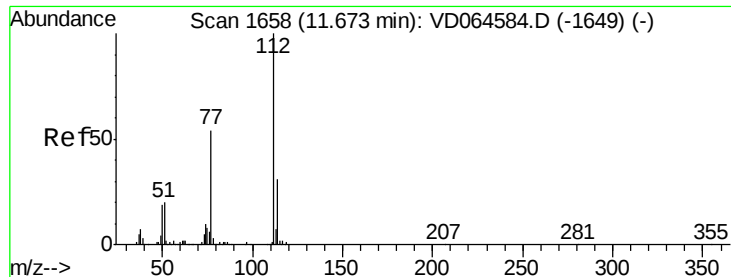
Tot Ion:117 Resp: 428501
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 21.603 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion:164 Resp: 71018
Ion Ratio Lower Upper
164 100
166 142.0 101.3 151.9
129 84.0 70.5 105.7
131 89.0 66.6 99.8





#65

Chlorobenzene

Concen: 22.332 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

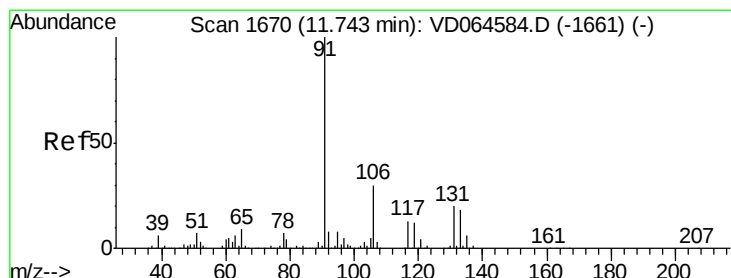
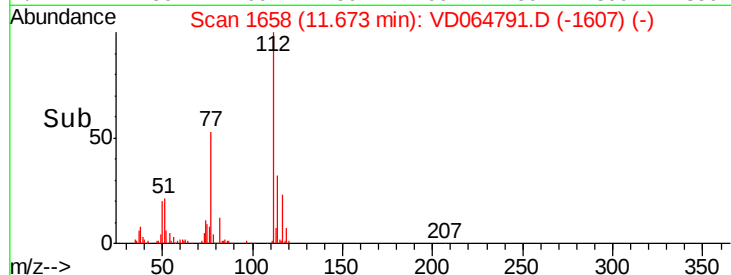
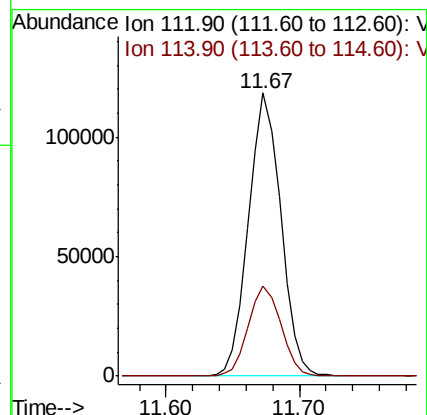
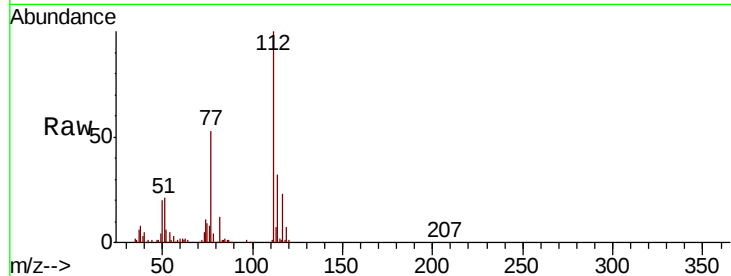
ClientSampleId :

Tot Ion:112 Resp: 198608

Ion Ratio Lower Upper

112 100

114 31.7 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.595 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

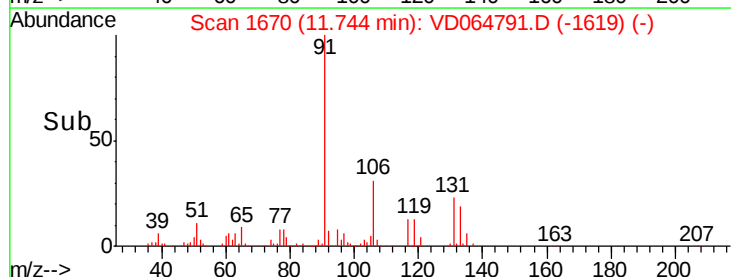
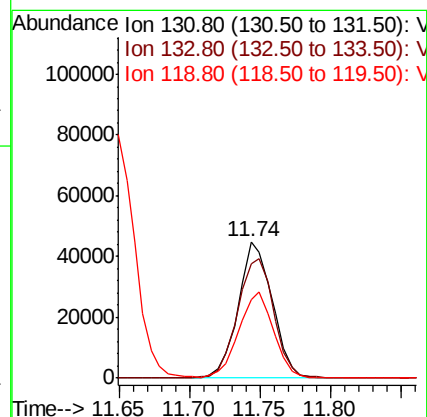
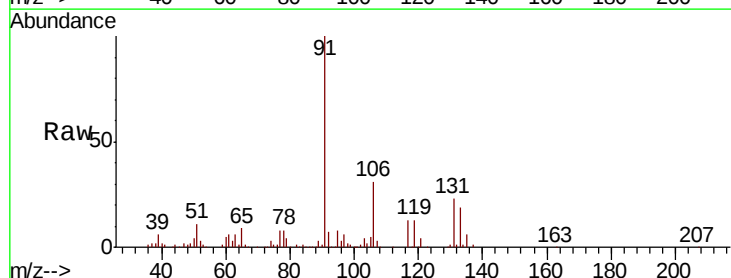
Tgt Ion:131 Resp: 75756

Ion Ratio Lower Upper

131 100

133 93.1 48.3 144.8

119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 21.998 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

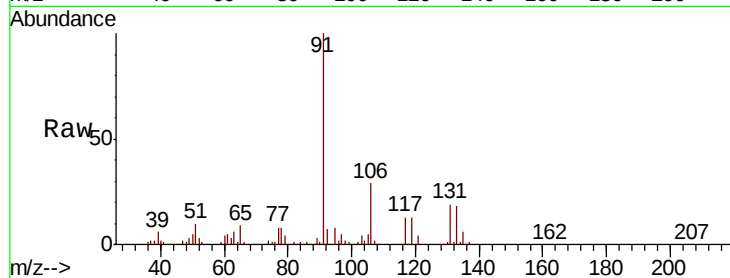
ClientSampleId :

Tot Ion: 91 Resp: 355091

Ion Ratio Lower Upper

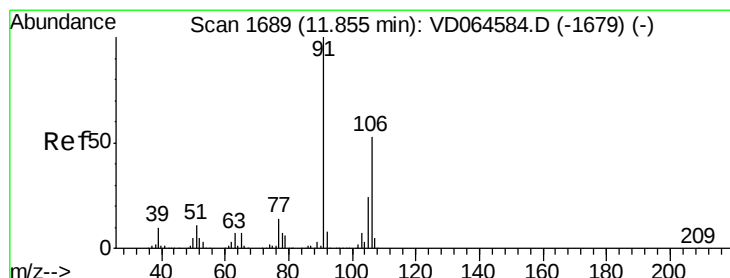
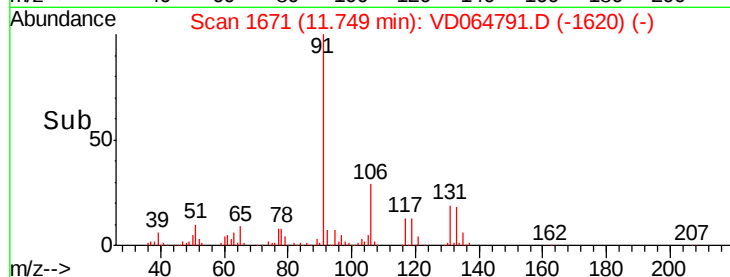
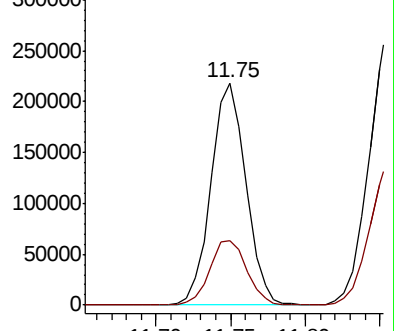
91 100

106 28.9 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 43.690 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064791.D

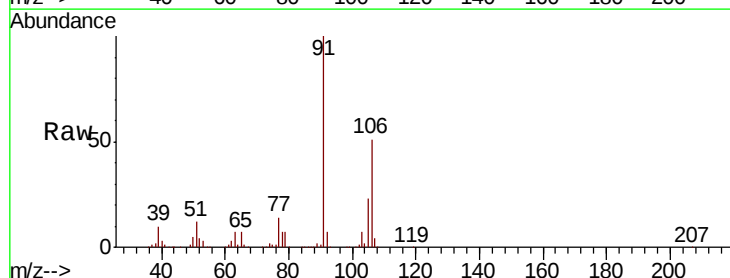
Acq: 07 Jan 2020 14:15

Tgt Ion: 106 Resp: 272215

Ion Ratio Lower Upper

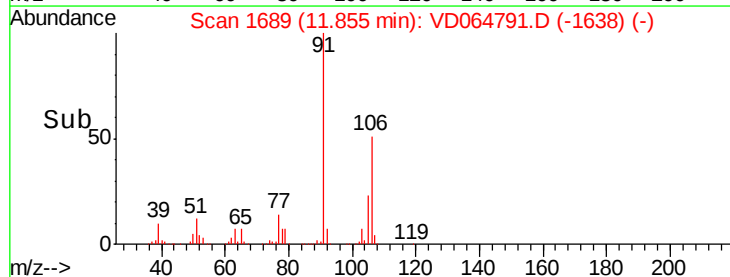
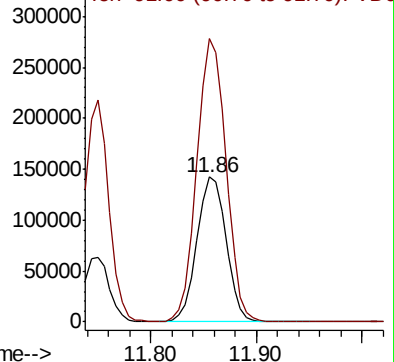
106 100

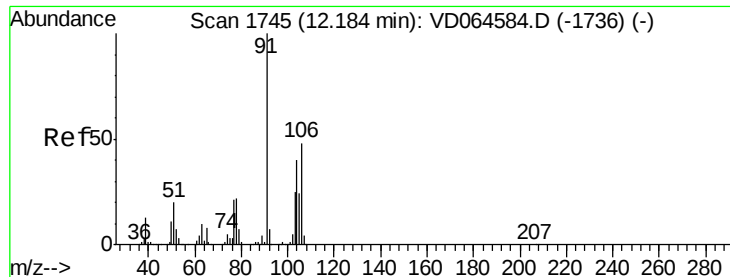
91 195.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

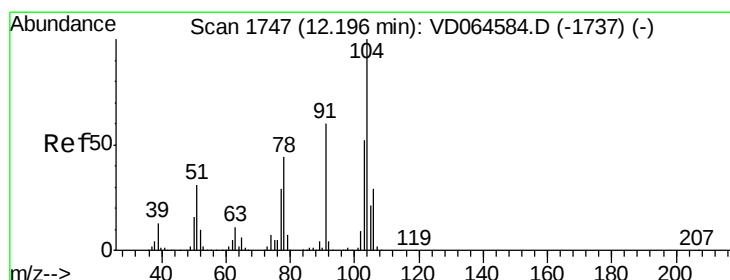
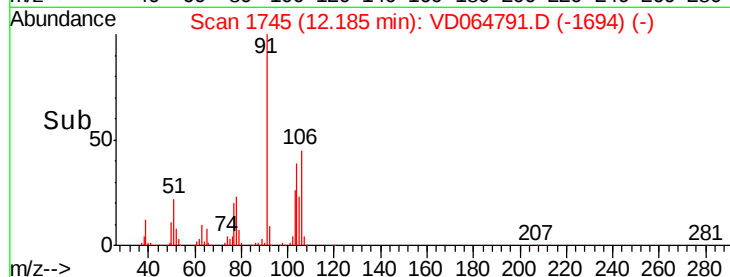
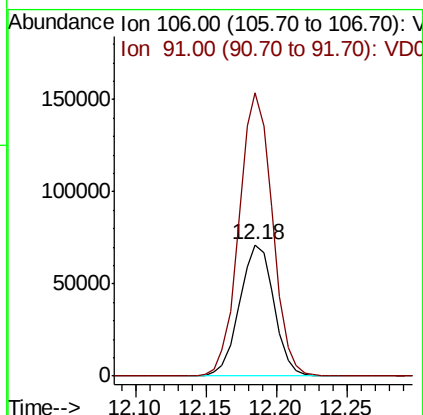
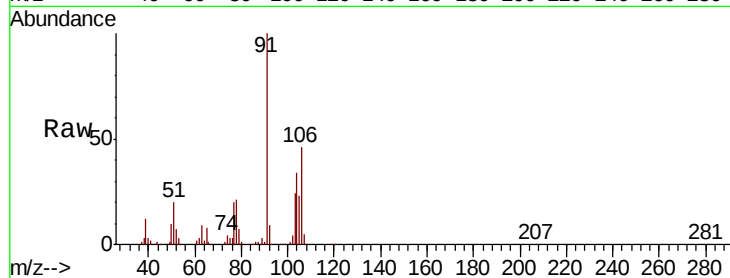




#69
o-Xylene
Concen: 21.566 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

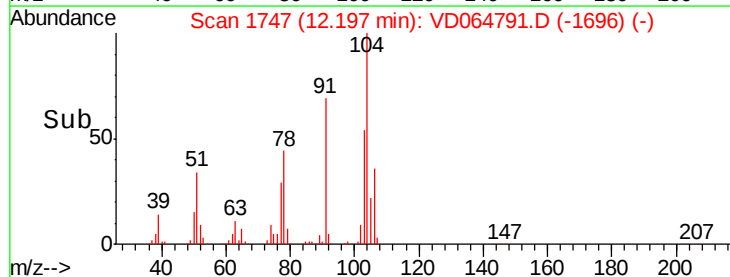
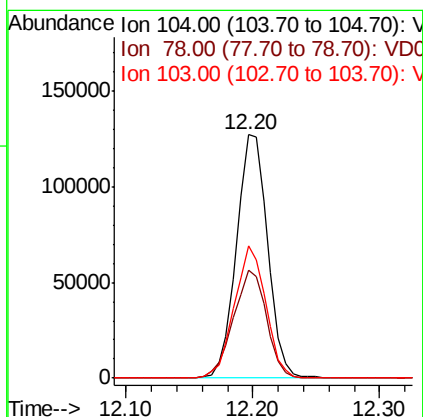
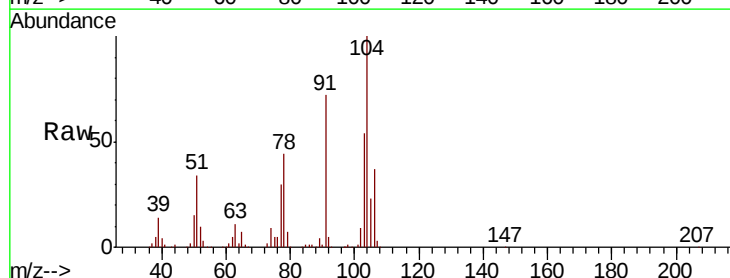
Instrument :
MSVOA_D
ClientSampleID :

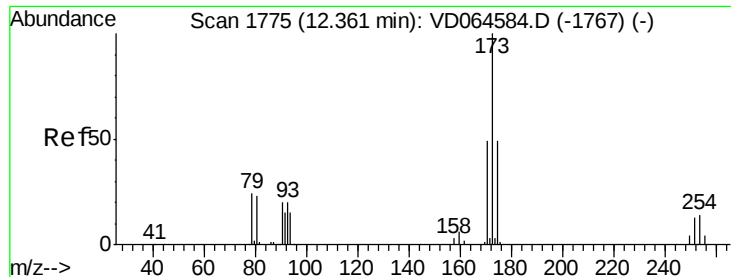
Tot Ion:106 Resp: 121369
Ion Ratio Lower Upper
106 100
91 209.5 104.8 314.4



#70
Styrene
Concen: 21.902 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion:104 Resp: 216354
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.1 44.6 67.0





#71

Bromoform

Concen: 22.126 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

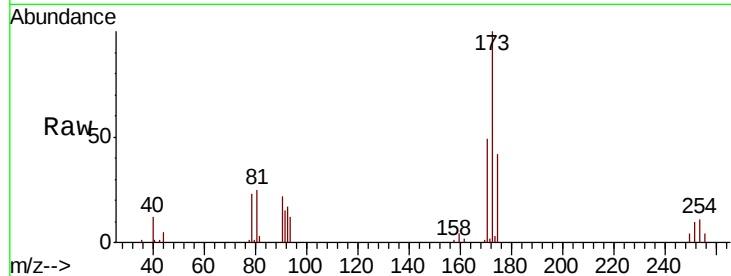
Tot Ion:173 Resp: 42304

Ion Ratio Lower Upper

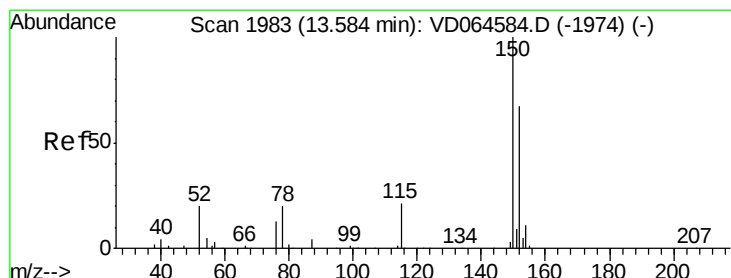
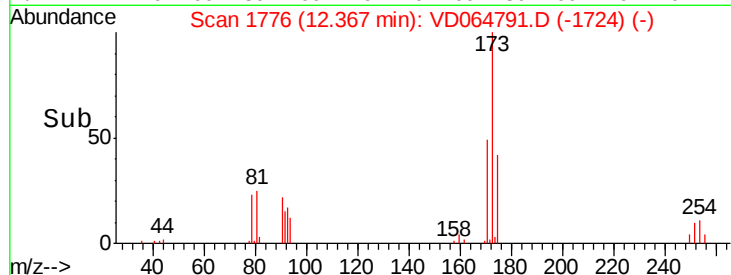
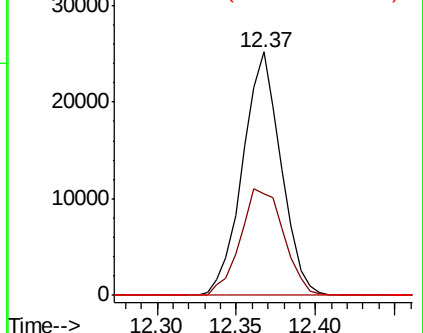
173 100

175 49.7 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

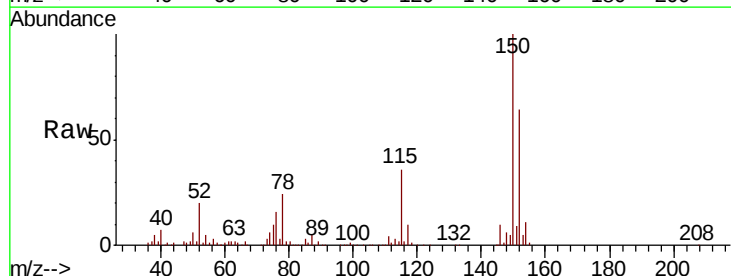
Tgt Ion:152 Resp: 211149

Ion Ratio Lower Upper

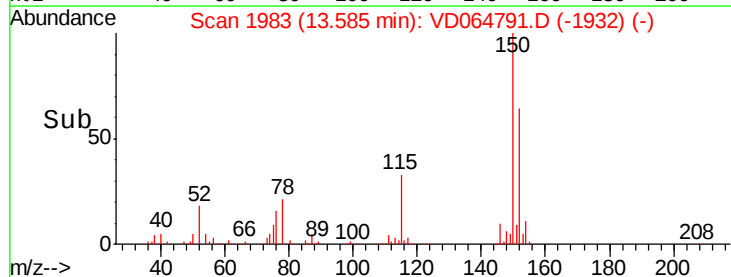
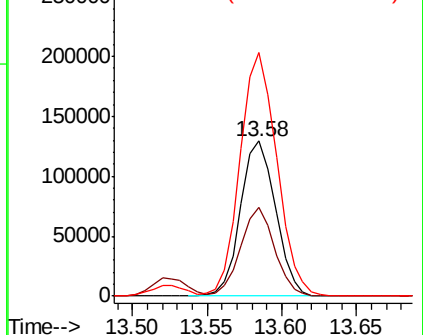
152 100

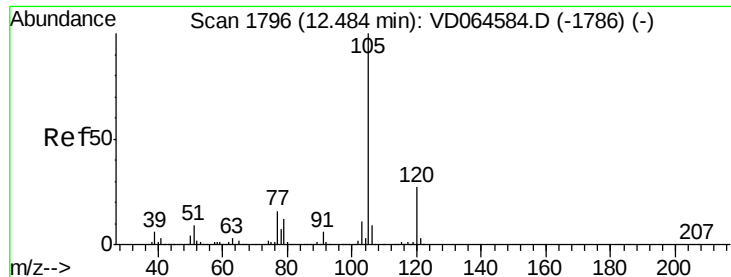
115 55.3 27.8 83.4

150 164.9 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: 21.768 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

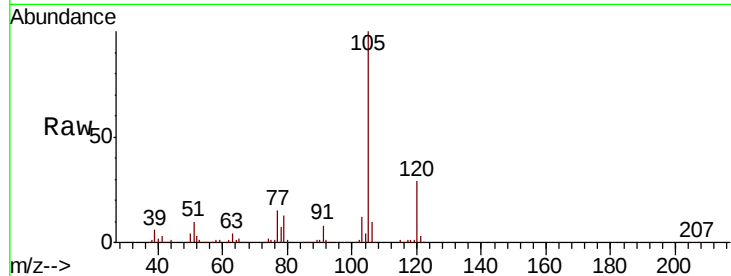
ClientSampled :

Tot Ion:105 Resp: 328457

Ion Ratio Lower Upper

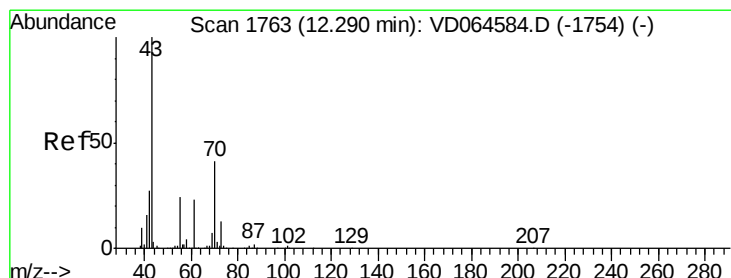
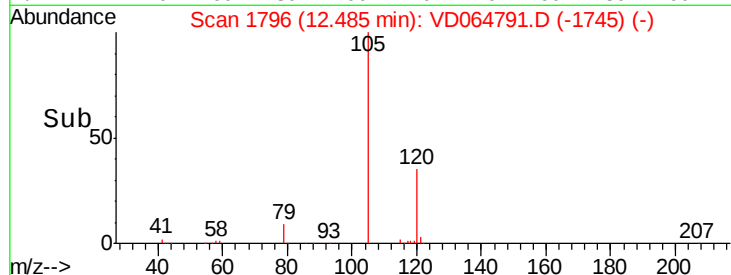
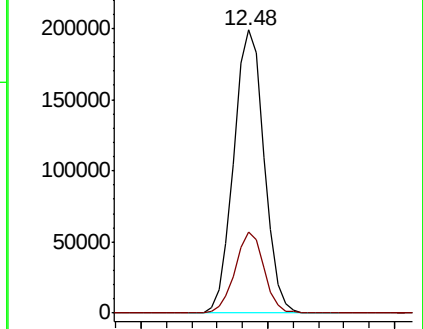
105 100

120 27.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.180 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Tgt Ion: 43 Resp: 71542

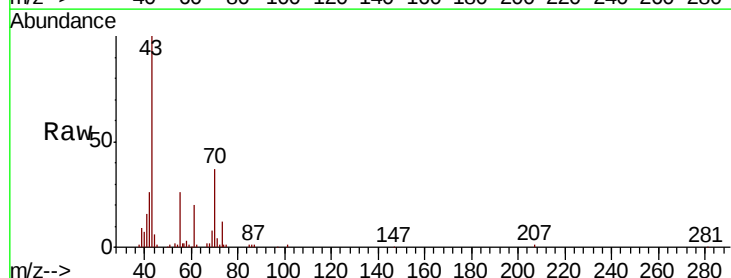
Ion Ratio Lower Upper

43 100

70 40.2 33.4 50.0

55 24.7 19.4 29.0

61 23.3 18.3 27.5

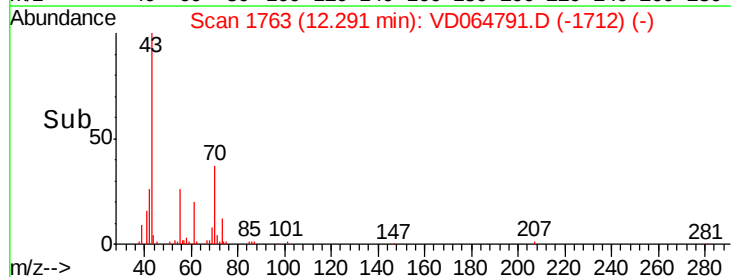
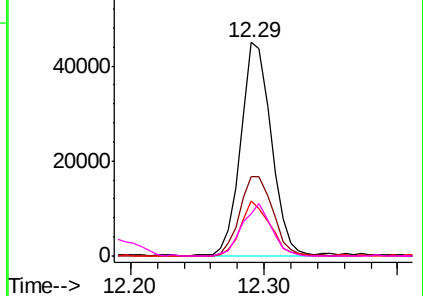


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.123 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

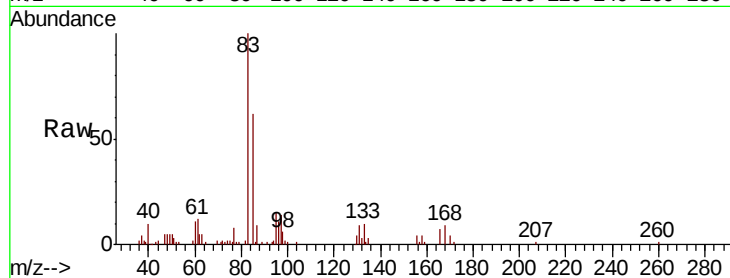
Tot Ion: 83 Resp: 54811

Ion Ratio Lower Upper

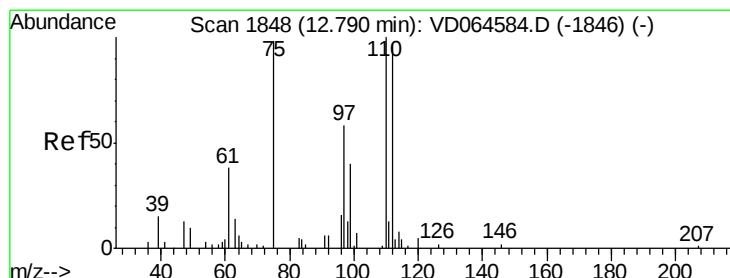
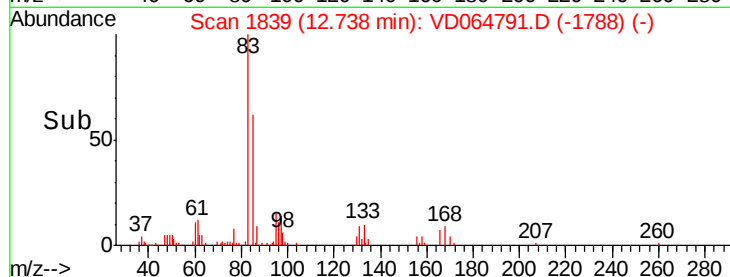
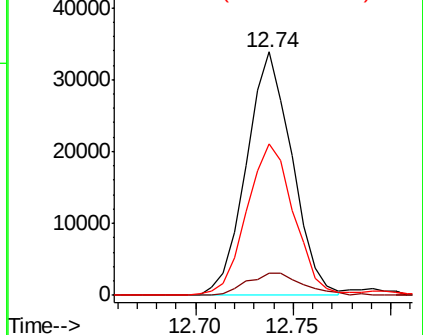
83 100

131 11.2 5.8 17.4

85 64.5 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: 43.406 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064791.D

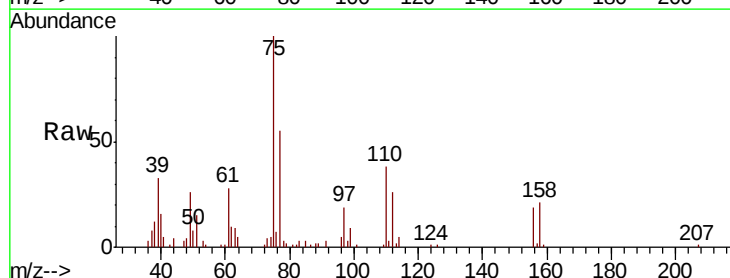
Acq: 07 Jan 2020 14:15

Tgt Ion: 75 Resp: 72373

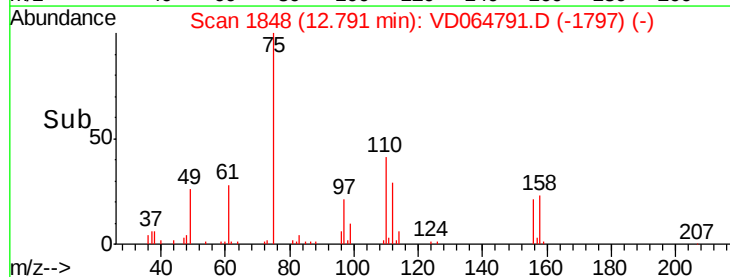
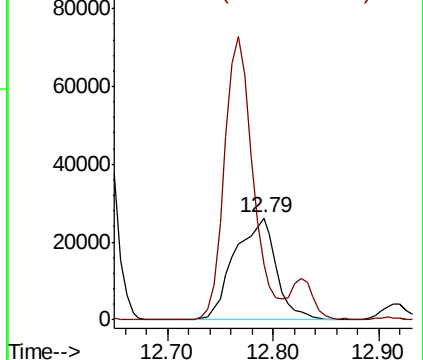
Ion Ratio Lower Upper

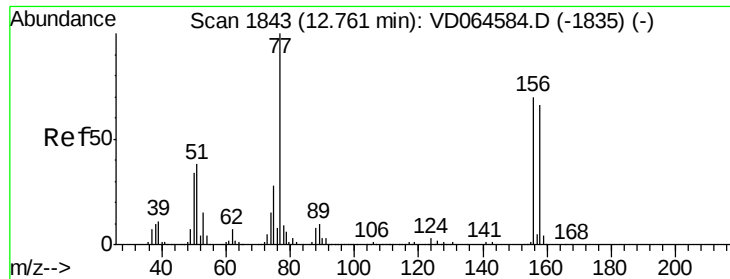
75 100

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: 22.204 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampled :

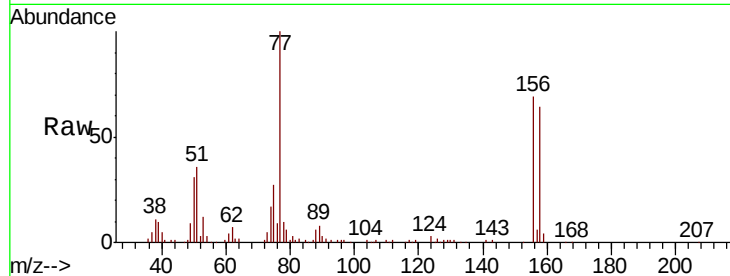
Tot Ion:156 Resp: 82326

Ion Ratio Lower Upper

156 100

77 166.5 80.9 242.7

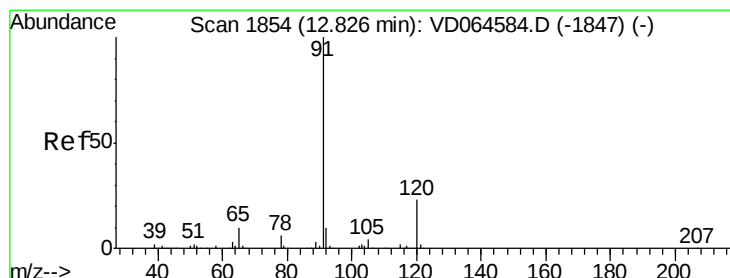
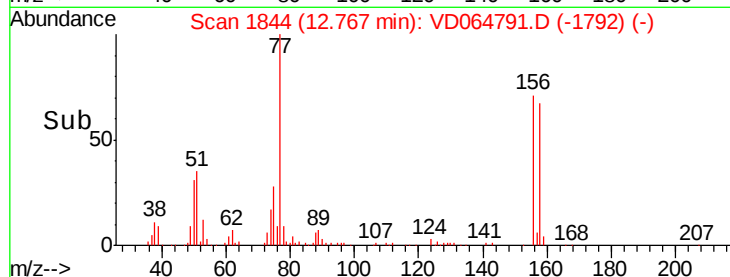
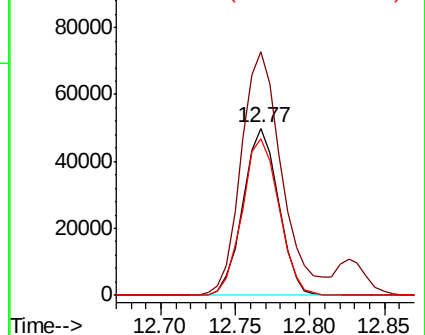
158 96.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.415 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064791.D

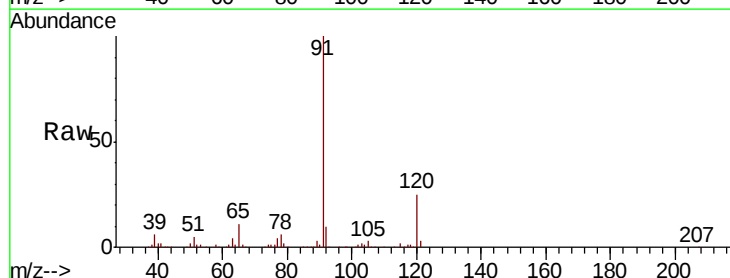
Acq: 07 Jan 2020 14:15

Tgt Ion: 91 Resp: 394583

Ion Ratio Lower Upper

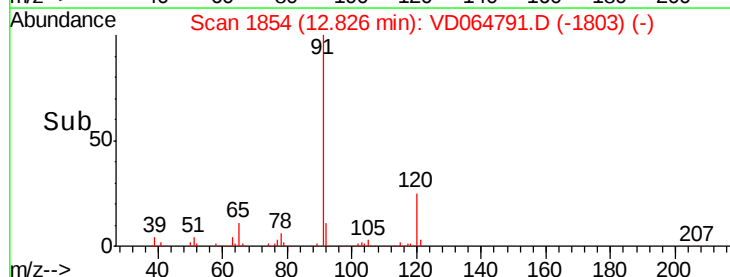
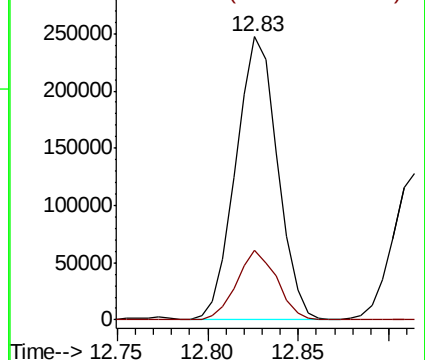
91 100

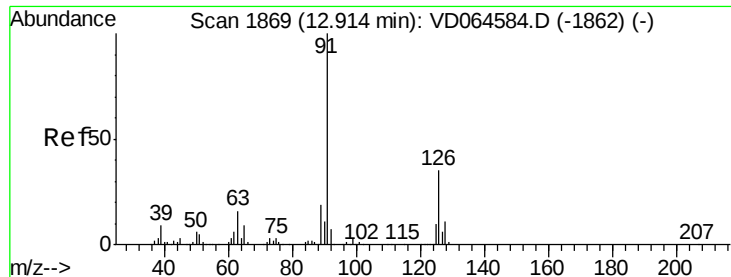
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.367 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

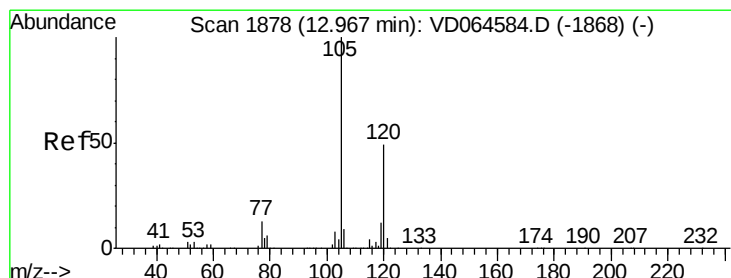
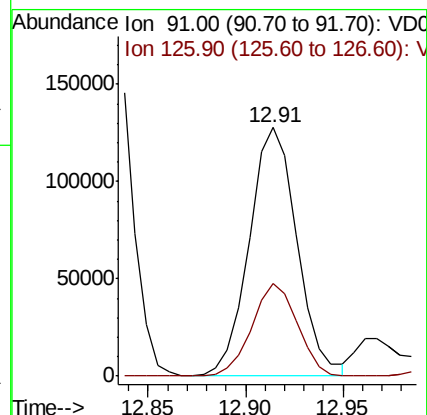
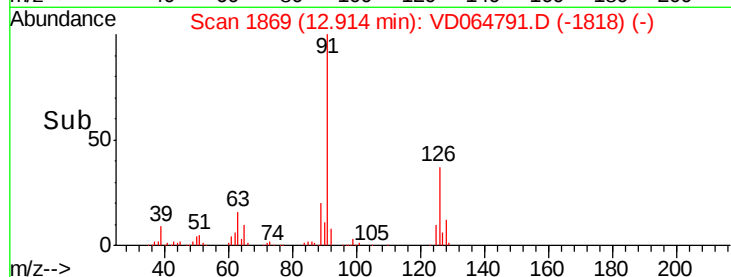
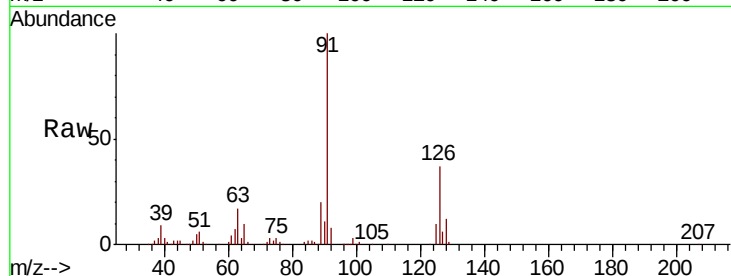
ClientSampleId :

Tot Ion: 91 Resp: 216290

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.995 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064791.D

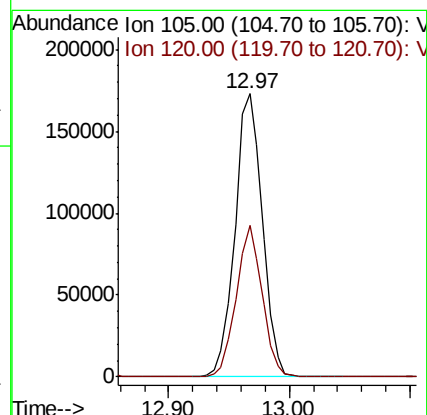
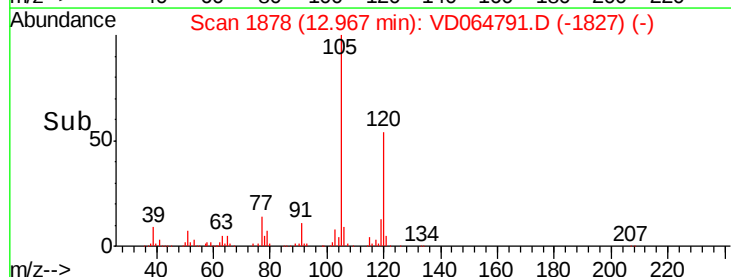
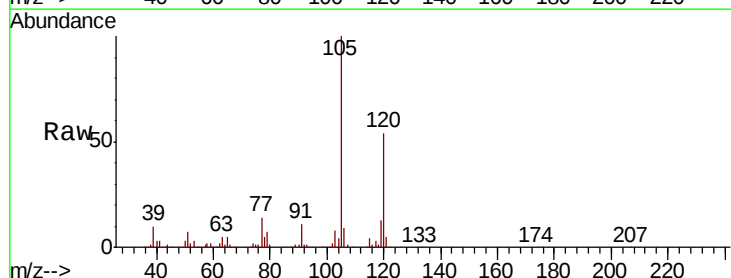
Acq: 07 Jan 2020 14:15

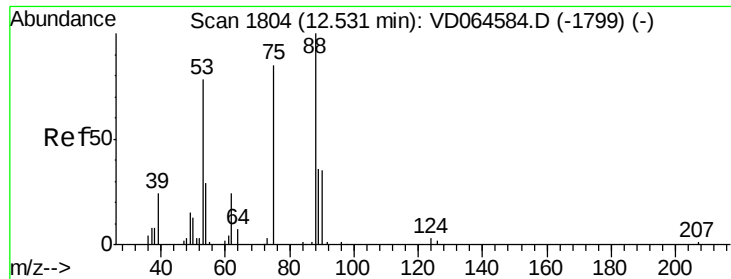
Tgt Ion:105 Resp: 272631

Ion Ratio Lower Upper

105 100

120 50.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.833 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

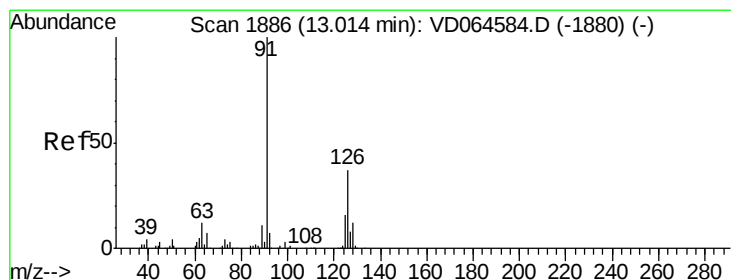
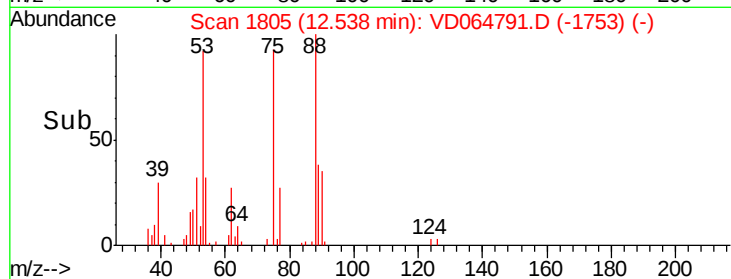
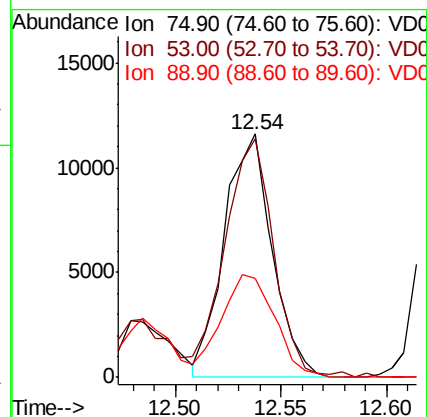
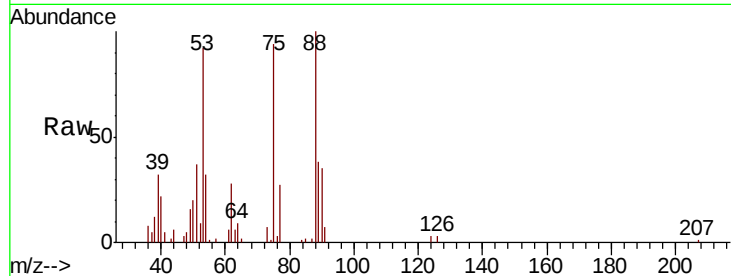
Tot Ion: 75 Resp: 18203

Ion Ratio Lower Upper

75 100

53 101.6 78.8 118.2

89 47.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 22.204 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064791.D

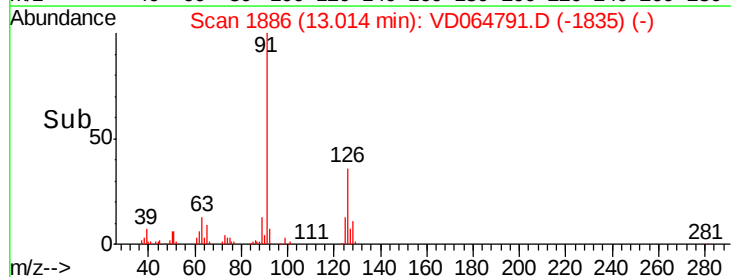
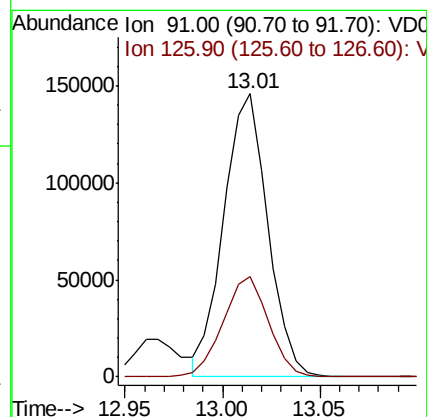
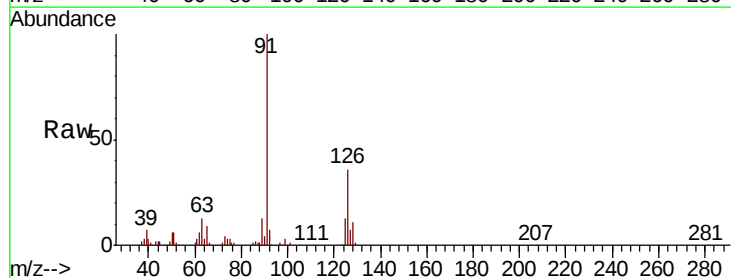
Acq: 07 Jan 2020 14:15

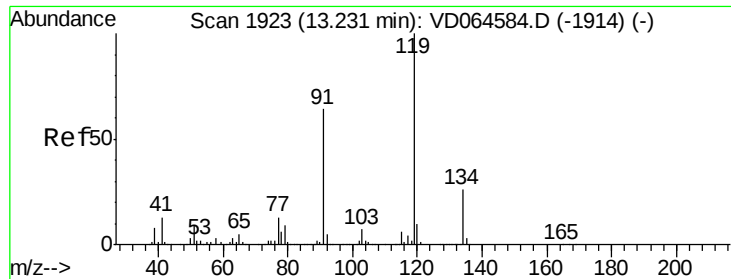
Tgt Ion: 91 Resp: 228502

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.5





#83

tert-Butylbenzene

Concen: 21.529 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

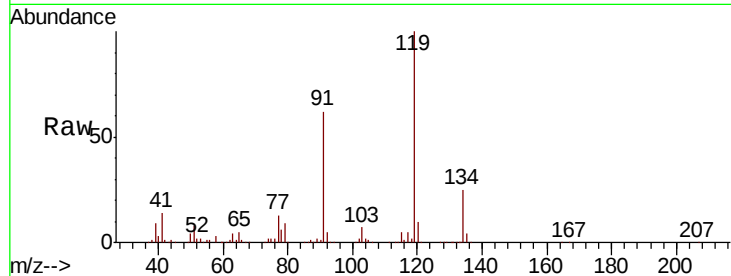
Tot Ion:119 Resp: 231696

Ion Ratio Lower Upper

119 100

91 64.5 30.8 92.4

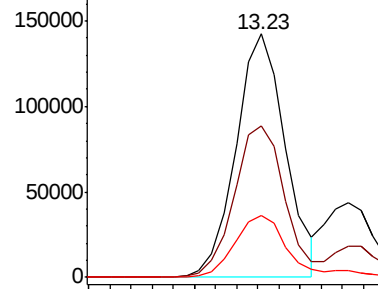
134 28.0 12.8 38.3



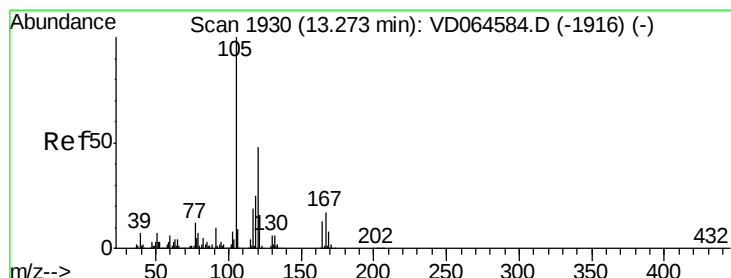
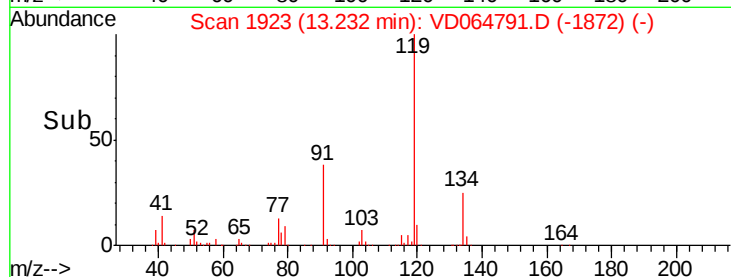
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.15 13.20 13.25



#84

1,2,4-Trimethylbenzene

Concen: 22.154 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD064791.D

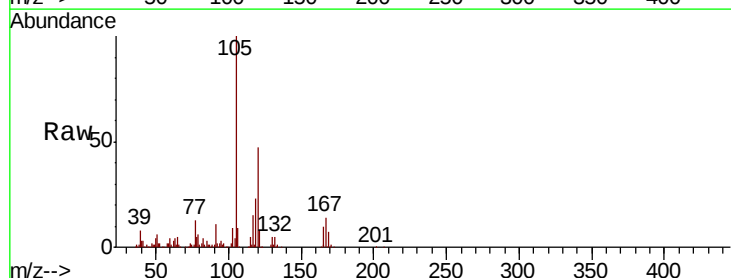
Acq: 07 Jan 2020 14:15

Tgt Ion:105 Resp: 273482

Ion Ratio Lower Upper

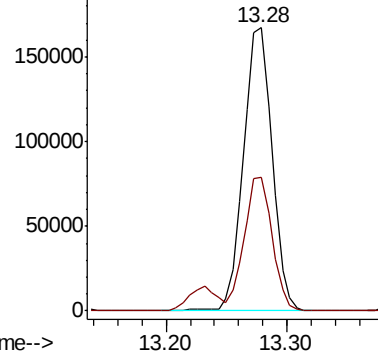
105 100

120 46.1 23.8 71.2

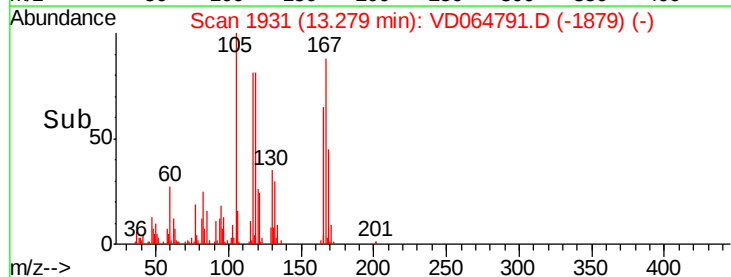


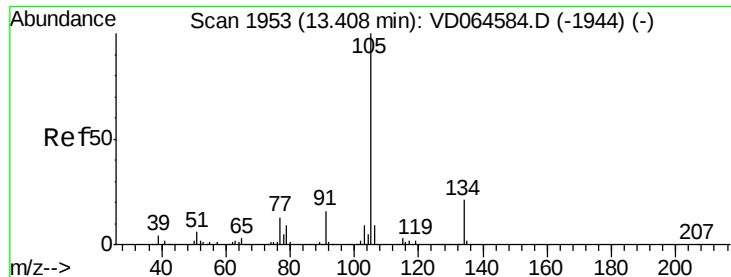
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.30

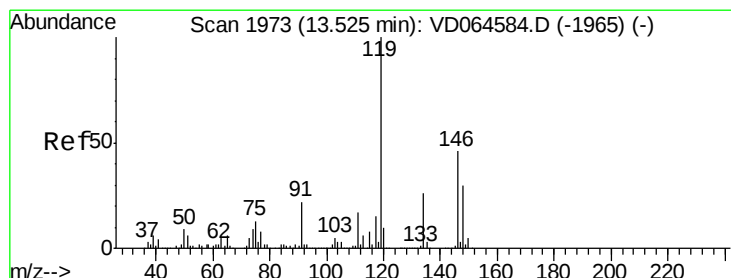
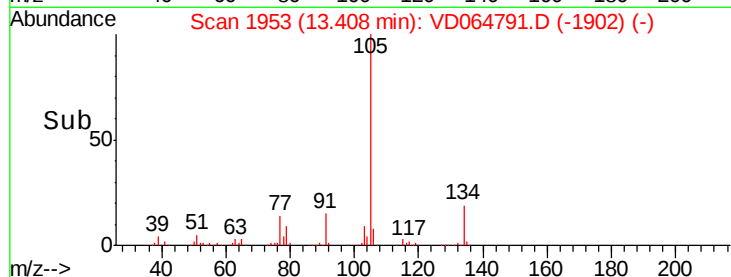
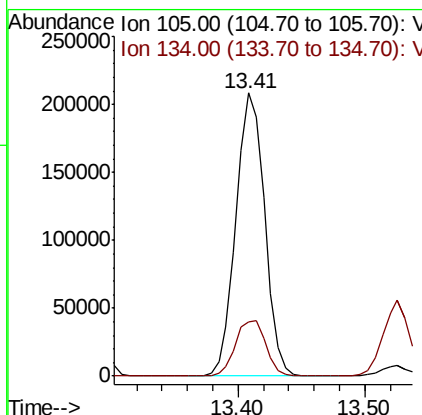
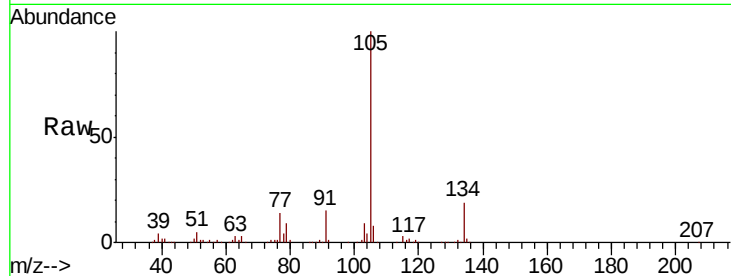




#85
 sec-Butylbenzene
 Concen: 22.191 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

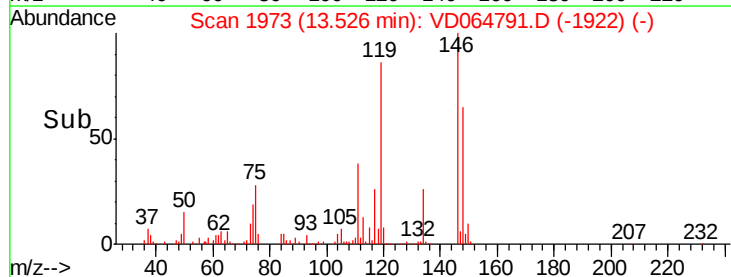
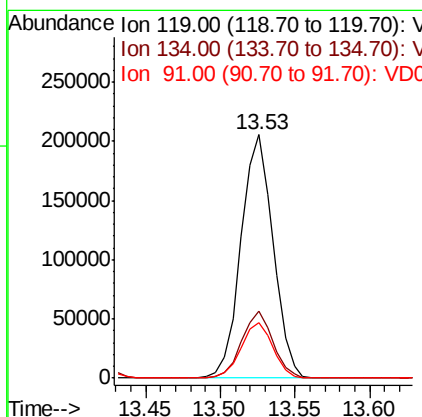
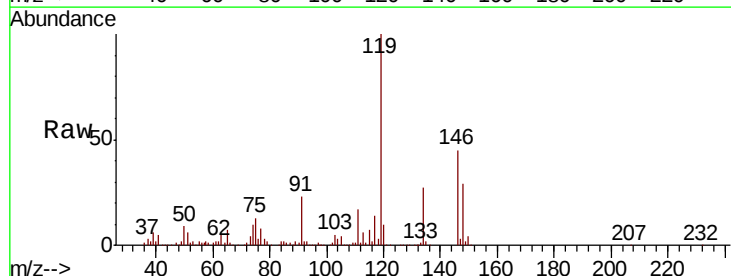
Instrument :
 MSVOA_D
 ClientSampleId :

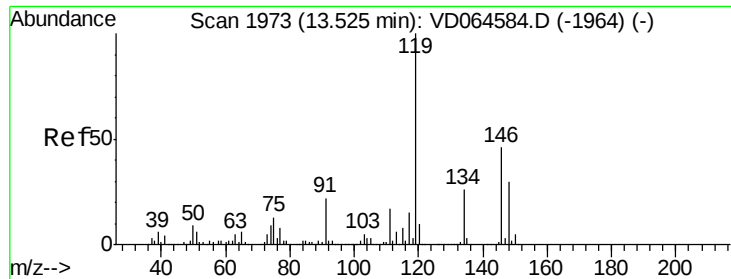
Tot Ion:105 Resp: 327403
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 21.689 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion:119 Resp: 305983
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 22.6 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 22.436 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

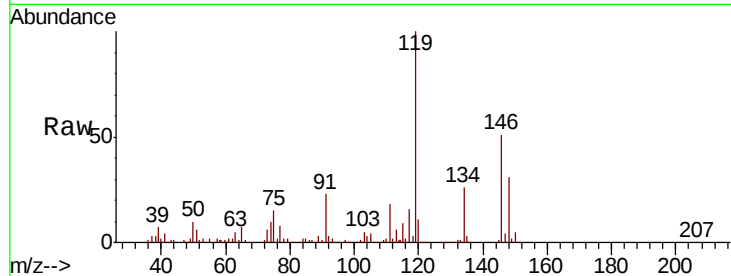
Tot Ion:146 Resp: 158579

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.4

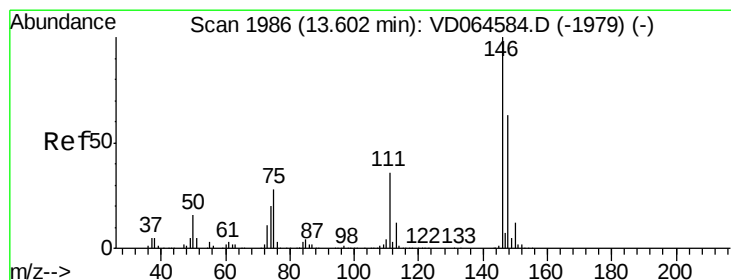
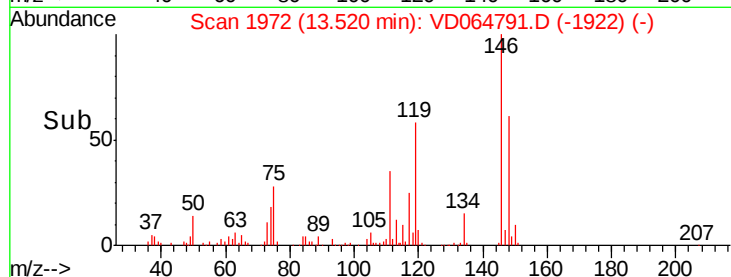
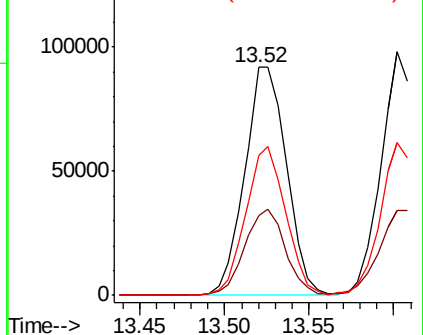
148 62.4 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.267 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064791.D

Acq: 07 Jan 2020 14:15

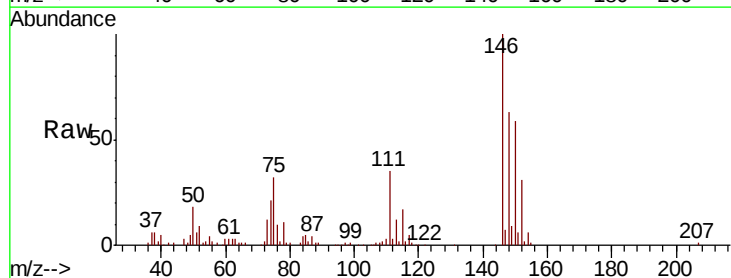
Tgt Ion:146 Resp: 154610

Ion Ratio Lower Upper

146 100

111 37.8 18.1 54.1

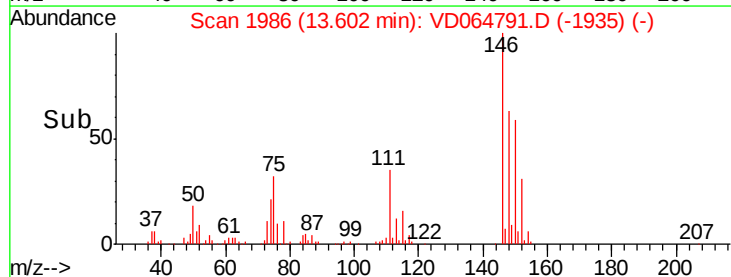
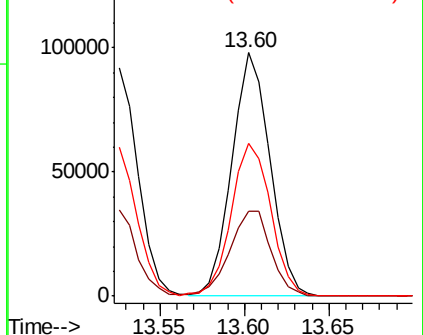
148 65.0 32.3 96.9

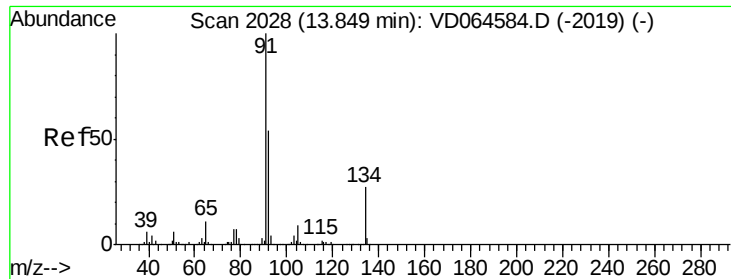


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

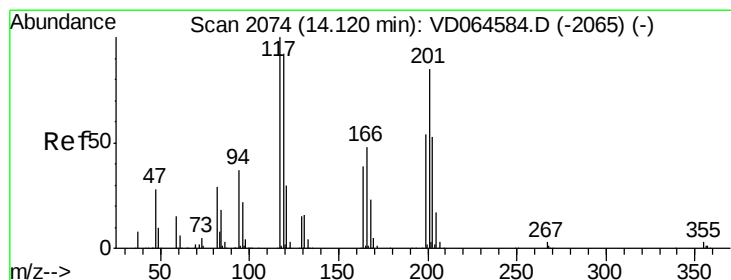
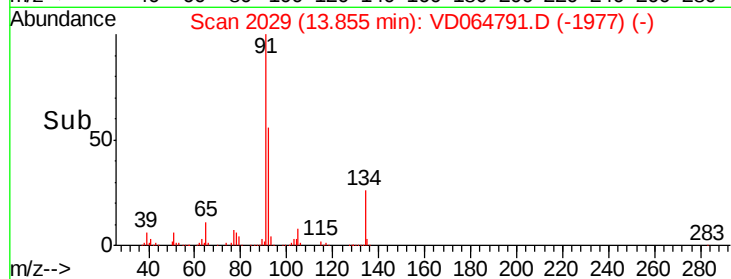
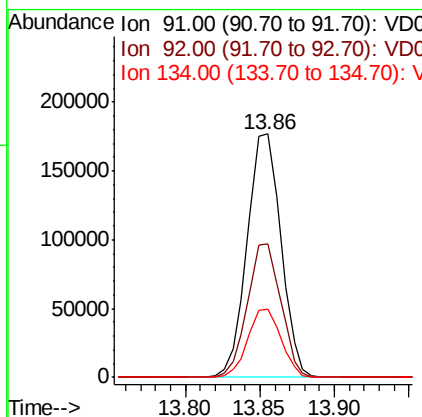
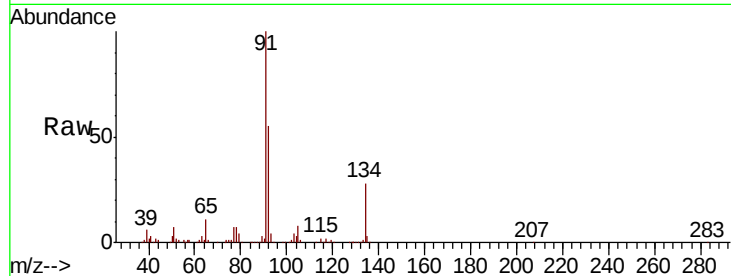




#89
n-Butylbenzene
Concen: 21.836 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

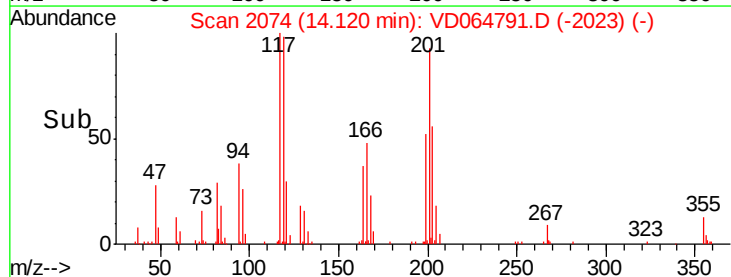
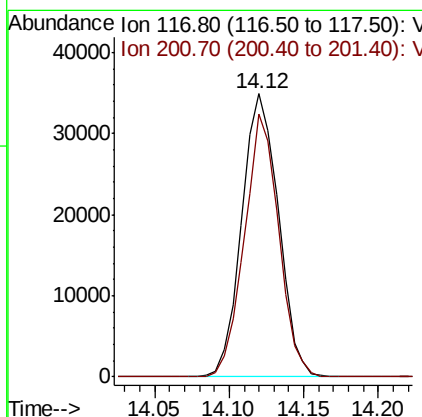
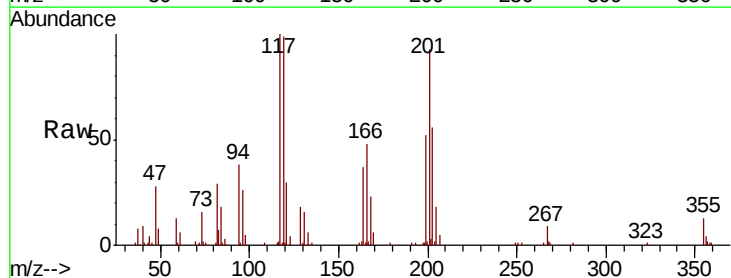
Instrument :
MSVOA_D
ClientSampled :

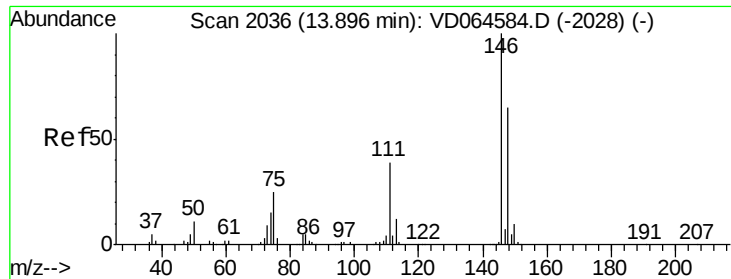
Tot Ion: 91 Resp: 277418
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.4
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 22.012 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion: 117 Resp: 59320
Ion Ratio Lower Upper
117 100
201 86.5 44.0 131.8

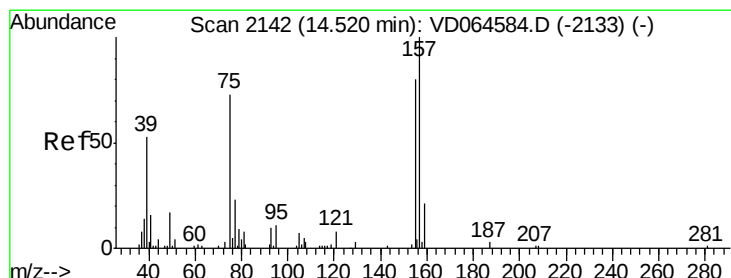
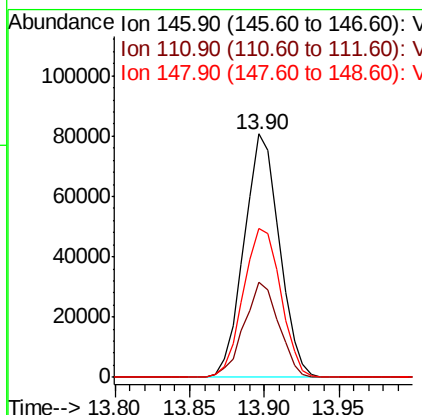
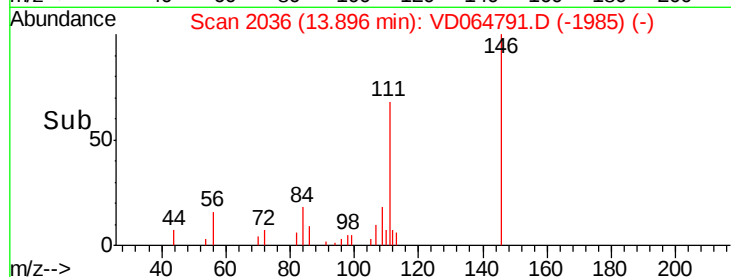
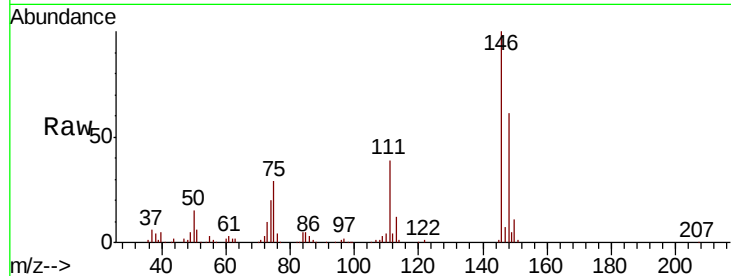




#91
 1,2-Dichlorobenzene
 Concen: 22.006 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

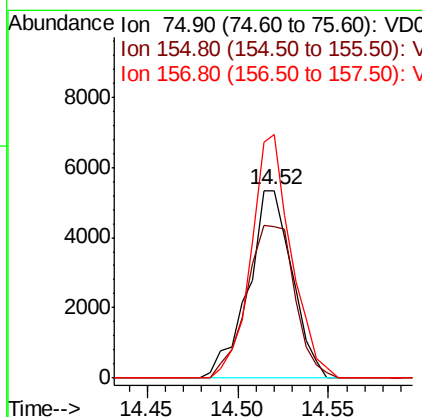
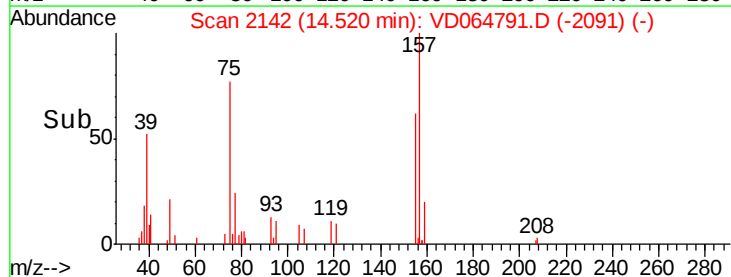
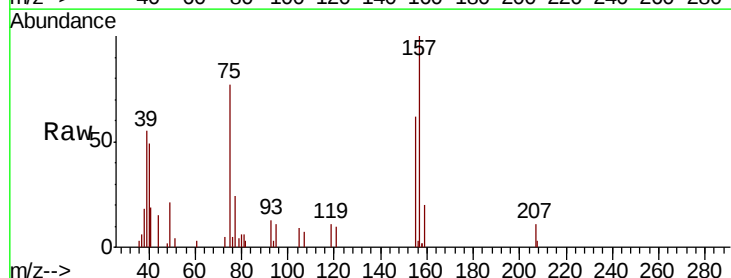
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 132631
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.3 57.9
 148 64.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.406 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion: 75 Resp: 8994
 Ion Ratio Lower Upper
 75 100
 155 89.2 48.0 144.0
 157 118.4 64.1 192.3

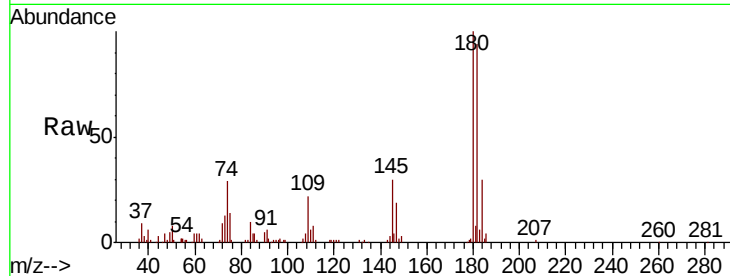




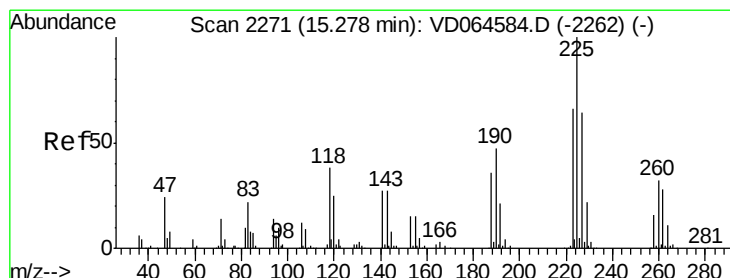
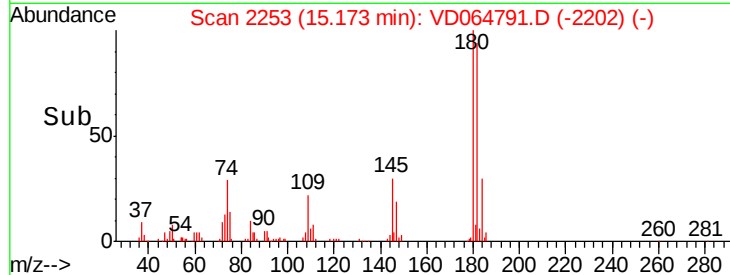
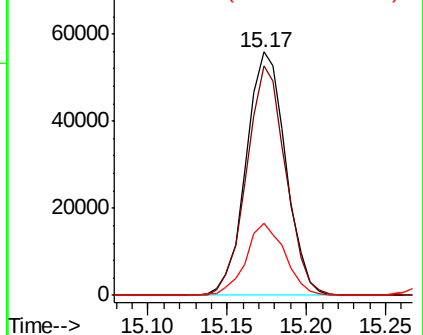
#93
 1,2,4-Trichlorobenzene
 Concen: 21.885 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.0	144.2
145	29.1	13.8	41.4

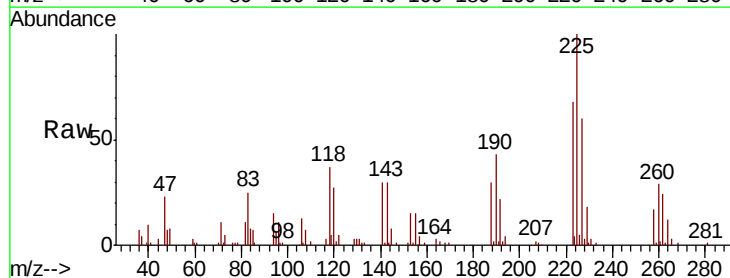


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

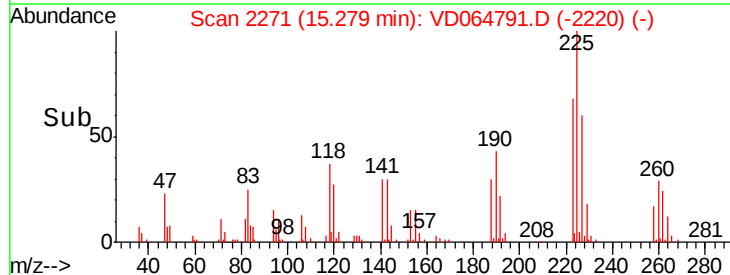
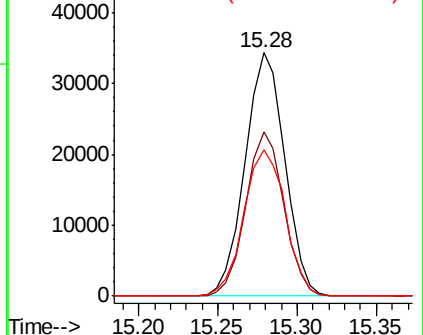


#94
 Hexachlorobutadiene
 Concen: 21.434 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064791.D
 Acq: 07 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.2
227	62.8	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

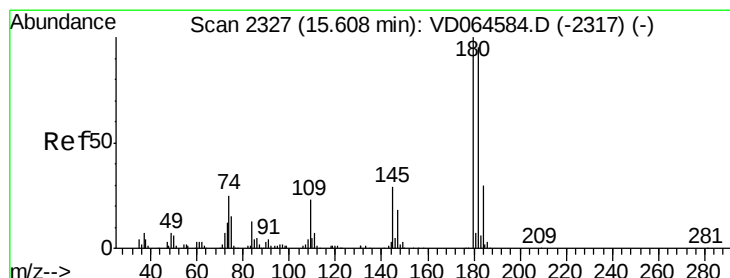
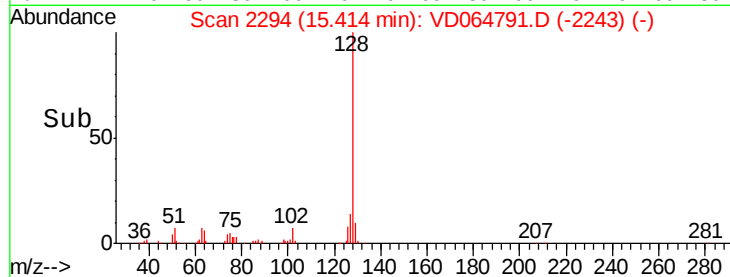
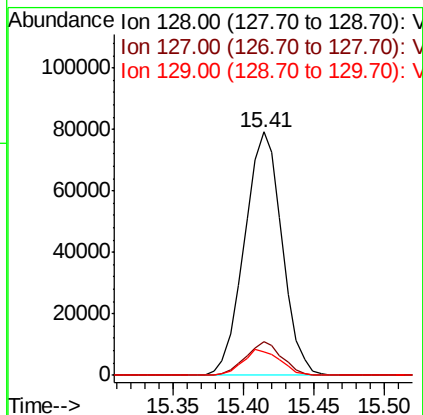
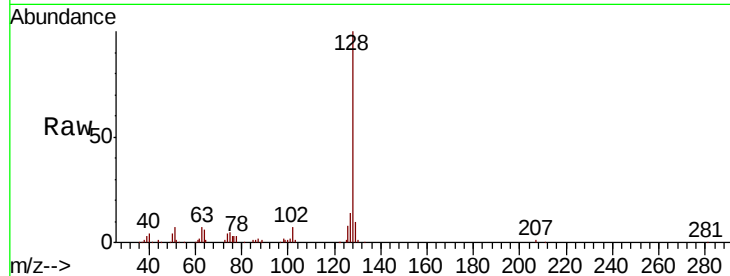




#95
Naphthalene
Concen: 20.999 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 147424
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.188 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064791.D
Acq: 07 Jan 2020 14:15

Tgt Ion:180 Resp: 80271
Ion Ratio Lower Upper
180 100
182 97.7 47.9 143.7
145 30.4 14.9 44.7

