

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064833.D
 Acq On : 10 Jan 2020 15:12
 Operator : VA/SY
 Sample : VW0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Quant Time: Jan 10 22:25:33 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	373338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	180611	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.92	113	179377	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.34	98	683313	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.64	95	216880	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57472	19.808	ug/l	100
3) Chloromethane	2.21	50	86367	21.284	ug/l	96
4) Vinyl Chloride	2.35	62	100258	20.264	ug/l	97
5) Bromomethane	2.76	94	68630	19.078	ug/l	97
6) Chloroethane	2.91	64	67174	20.263	ug/l	95
7) Trichlorofluoromethane	3.27	101	166073	19.936	ug/l	98
8) Diethyl Ether	3.70	74	34066	20.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	71503	20.725	ug/l	98
10) Methyl Iodide	4.30	142	65963	17.800	ug/l	99
11) Tert butyl alcohol	5.24	59	16878	89.458	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	65328	19.889	ug/l	98
13) Acrolein	3.92	56	20424	77.676	ug/l	97
14) Allyl chloride	4.71	41	105489	20.599	ug/l	100
15) Acrylonitrile	5.43	53	68244	99.040	ug/l	99
16) Acetone	4.16	43	72825	100.423	ug/l	93
17) Carbon Disulfide	4.40	76	205458	19.345	ug/l	98
18) Methyl Acetate	4.73	43	37081	20.007	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	142781	19.571	ug/l	97
20) Methylene Chloride	4.96	84	83733	22.147	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	74078	19.804	ug/l	95
22) Diisopropyl ether	6.37	45	211797	20.735	ug/l	99
23) Vinyl Acetate	6.31	43	579367	99.990	ug/l	99
24) 1,1-Dichloroethane	6.27	63	129154	21.062	ug/l	98
25) 2-Butanone	7.22	43	92364	102.070	ug/l	100
26) 2,2-Dichloropropane	7.20	77	121297	21.275	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79923	19.798	ug/l	94
28) Bromochloromethane	7.55	49	48768	20.459	ug/l	100
29) Tetrahydrofuran	7.57	42	54437	96.736	ug/l	98
30) Chloroform	7.71	83	137038	21.301	ug/l	95
31) Cyclohexane	7.98	56	122020	19.879	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	127490	21.098	ug/l	99
36) 1,1-Dichloropropene	8.11	75	104885	19.994	ug/l	97
37) Ethyl Acetate	7.30	43	41233	20.008	ug/l	97
38) Carbon Tetrachloride	8.10	117	116338	20.799	ug/l	96

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 ALS Vial : 4 Sample Multiplier: 1

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 MSVOA_D
 ClientSampleId :
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Quant Time: Jan 10 22:25:33 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	124472	19.591	ug/l	97
40) Benzene	8.35	78	290676	20.298	ug/l	100
41) Methacrylonitrile	7.53	41	23979	20.055	ug/l	93
42) 1,2-Dichloroethane	8.43	62	88771	21.452	ug/l	98
43) Isopropyl Acetate	8.46	43	79923	19.485	ug/l	99
44) Trichloroethene	9.11	130	84889	20.179	ug/l	97
45) 1,2-Dichloropropane	9.39	63	73020	21.356	ug/l	97
46) Dibromomethane	9.48	93	37859	19.860	ug/l	98
47) Bromodichloromethane	9.66	83	104205	20.543	ug/l	95
48) Methyl methacrylate	9.46	41	37034	19.175	ug/l	96
49) 1,4-Dioxane	9.47	88	8870	403.535	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	196429	96.885	ug/l	100
52) Toluene	10.40	92	190381	20.264	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	94079	19.893	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	112097	20.102	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	50931	19.825	ug/l	95
56) Ethyl methacrylate	10.66	69	61941	19.306	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89090	20.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145280	118.851	ug/l	98
59) 2-Hexanone	10.99	43	134176	97.507	ug/l	99
60) Dibromochloromethane	11.14	129	70925	19.964	ug/l	97
61) 1,2-Dibromoethane	11.25	107	50622	19.978	ug/l	99
64) Tetrachloroethene	10.88	164	74345	20.369	ug/l	95
65) Chlorobenzene	11.67	112	207466	21.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	75041	20.159	ug/l	99
67) Ethyl Benzene	11.75	91	358521	20.004	ug/l	100
68) m/p-Xylenes	11.86	106	274362	39.662	ug/l	96
69) o-Xylene	12.18	106	123255	19.726	ug/l	100
70) Styrene	12.20	104	219045	19.972	ug/l	98
71) Bromoform	12.37	173	41120	19.371	ug/l #	97
73) Isopropylbenzene	12.48	105	344775	20.181	ug/l	99
74) N-amyl acetate	12.29	43	68596	18.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	53038	19.762	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	72822	38.575	ug/l #	100
77) Bromobenzene	12.77	156	83934	19.995	ug/l	99
78) n-propylbenzene	12.83	91	408622	20.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	217898	19.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	282181	20.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16734	18.539	ug/l	92
82) 4-Chlorotoluene	13.01	91	235149	20.182	ug/l	99
83) tert-Butylbenzene	13.23	119	238400	19.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	282195	20.190	ug/l	97
85) sec-Butylbenzene	13.41	105	338731	20.277	ug/l	99
86) p-Isopropyltoluene	13.53	119	316663	19.825	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	157626	19.697	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	156265	19.877	ug/l	99
89) n-Butylbenzene	13.85	91	297175	20.660	ug/l	97
90) Hexachloroethane	14.12	117	62335	20.430	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	133496	19.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8838	20.314	ug/l	88

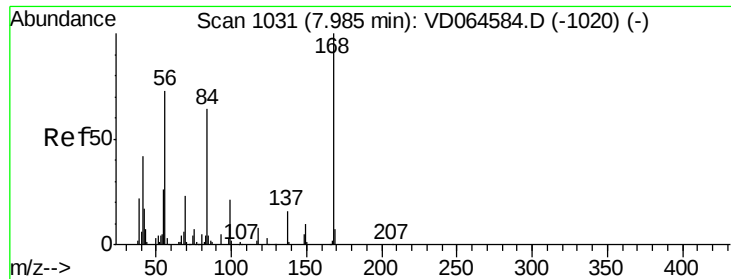
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97498	19.405	ug/l	99
94) Hexachlorobutadiene	15.28	225	60253	19.057	ug/l	96
95) Naphthalene	15.41	128	142492	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	81455	18.990	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: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

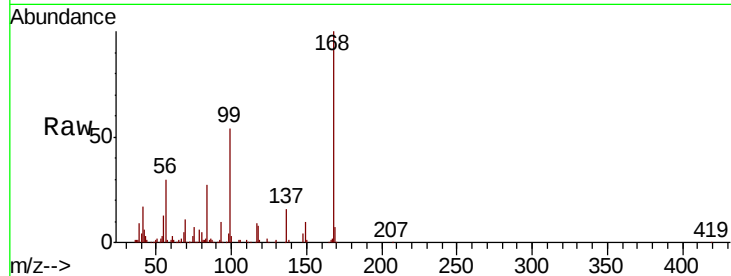
VD0110SBS01

Tot Ion:168 Resp: 373338

Ion Ratio Lower Upper

168 100

99 53.4 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

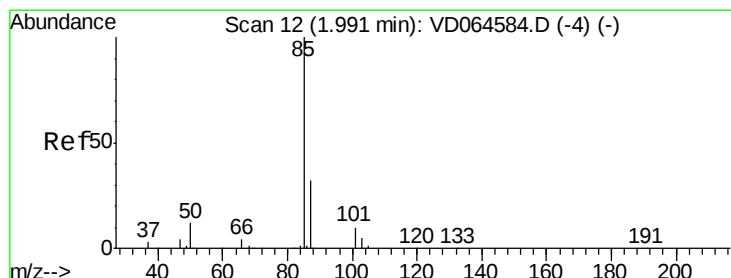
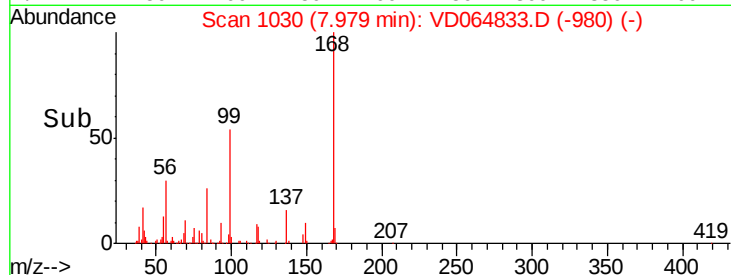
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.808 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064833.D

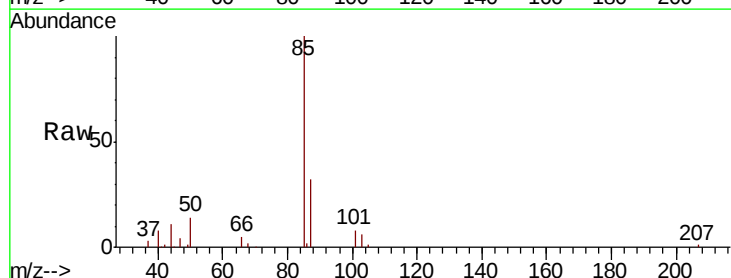
Acq: 10 Jan 2020 15:12

Tgt Ion: 85 Resp: 57472

Ion Ratio Lower Upper

85 100

87 32.2 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

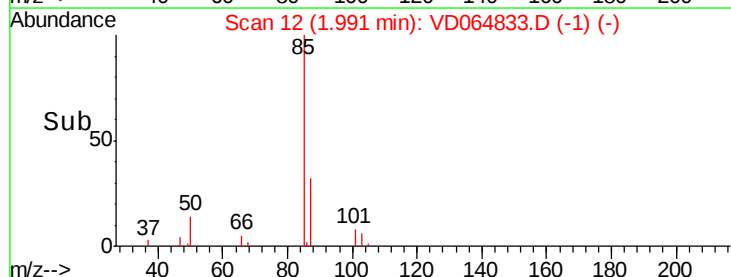
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.284 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

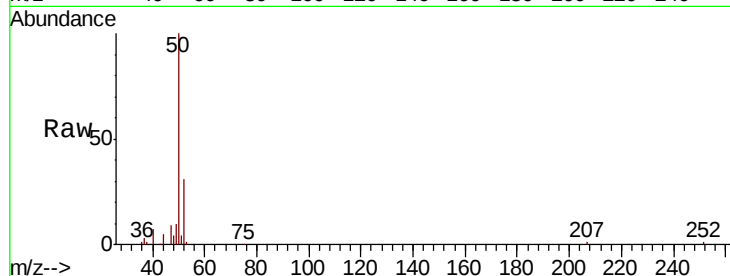
VD0110SBS01

Tot Ion: 50 Resp: 86367

Ion Ratio Lower Upper

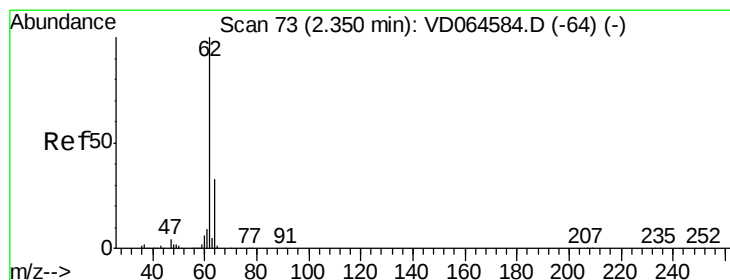
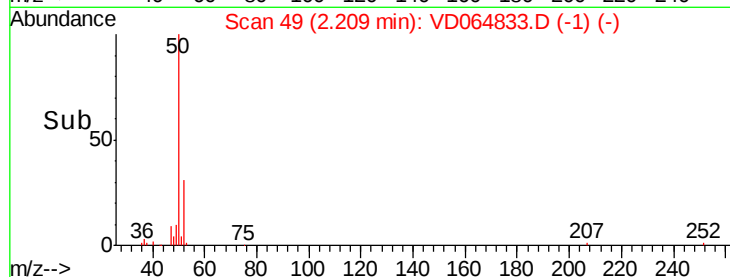
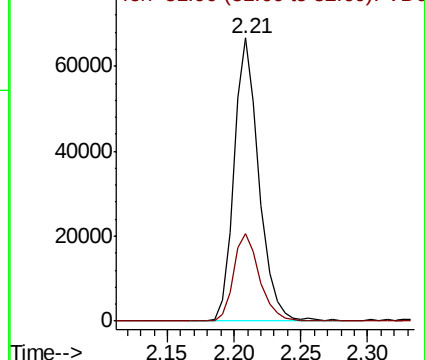
50 100

52 31.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.264 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064833.D

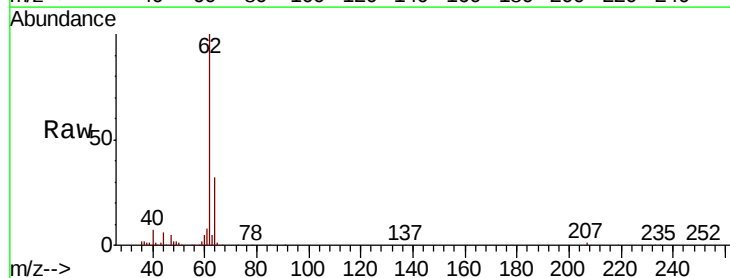
Acq: 10 Jan 2020 15:12

Tgt Ion: 62 Resp: 100258

Ion Ratio Lower Upper

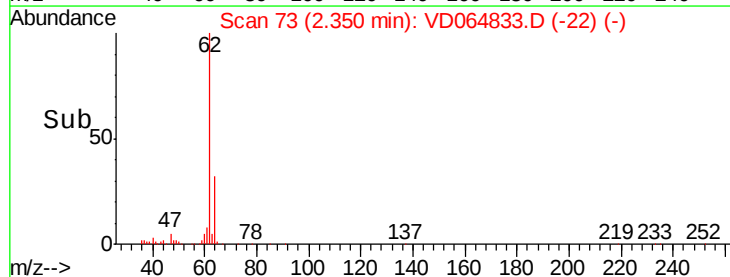
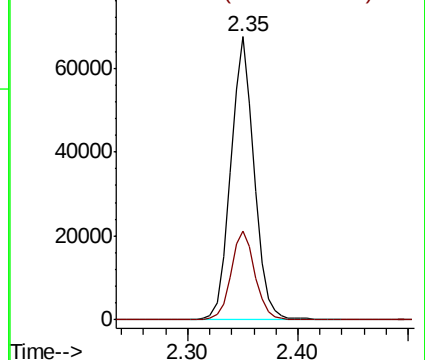
62 100

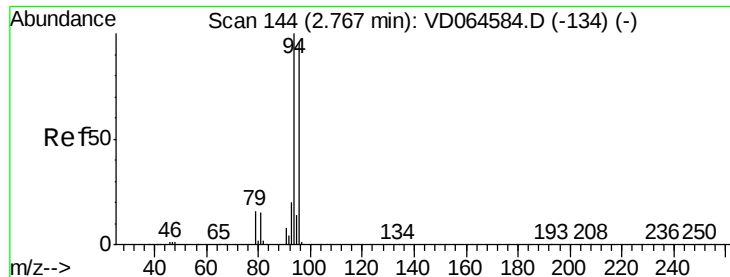
64 31.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.078 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

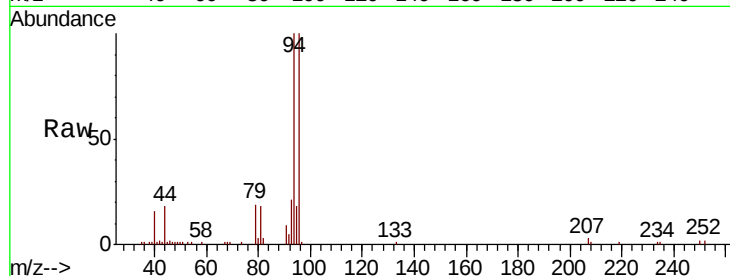
VD0110SBS01

Tot Ion: 94 Resp: 68630

Ion Ratio Lower Upper

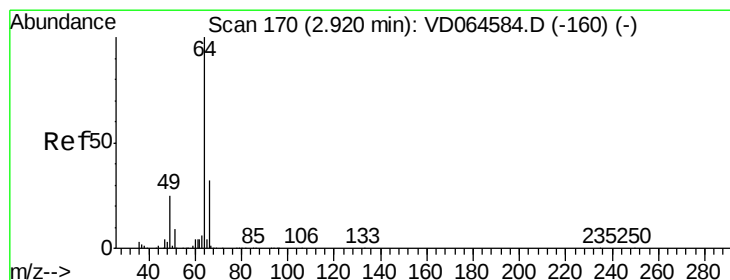
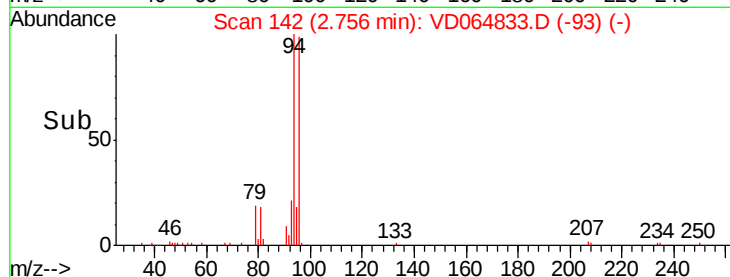
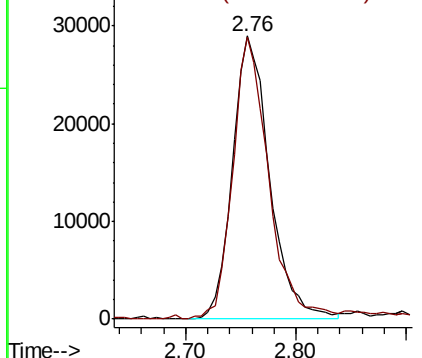
94 100

96 99.7 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: 20.263 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064833.D

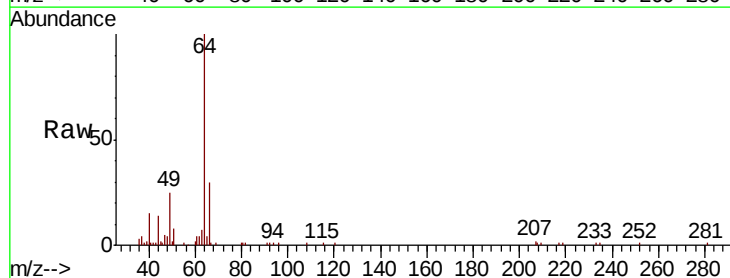
Acq: 10 Jan 2020 15:12

Tgt Ion: 64 Resp: 67174

Ion Ratio Lower Upper

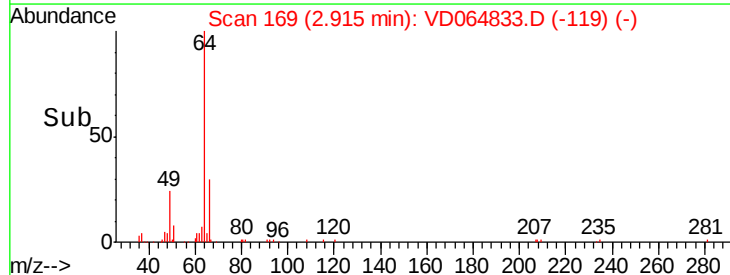
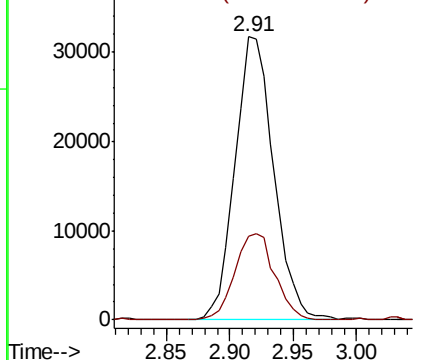
64 100

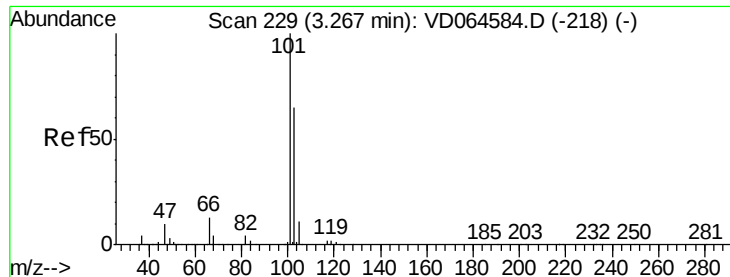
66 29.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



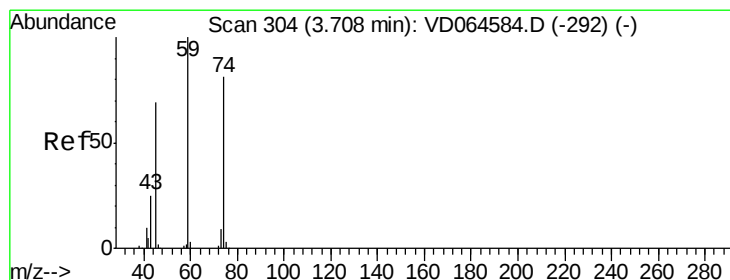
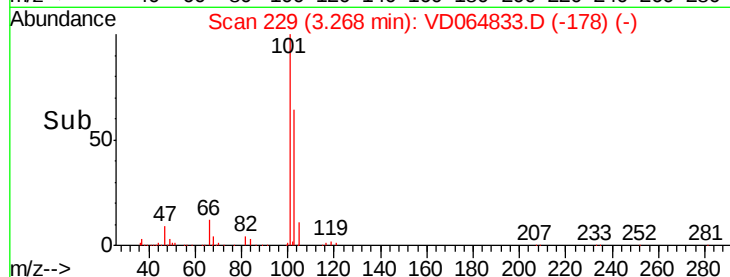
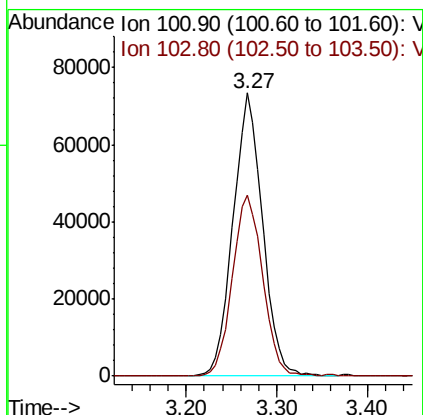
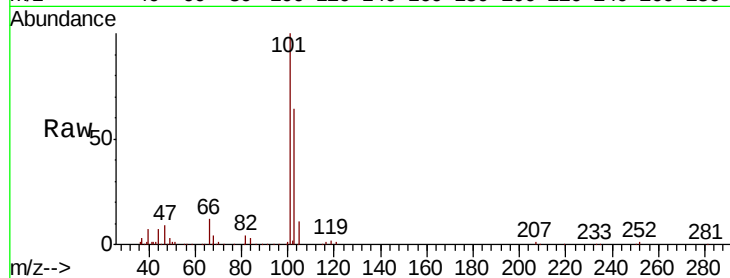


#7

Trichlorofluoromethane
 Concen: 19.936 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

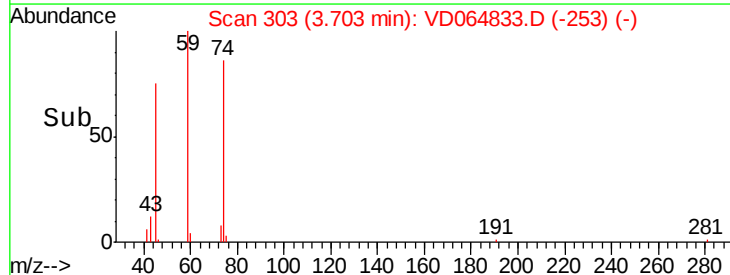
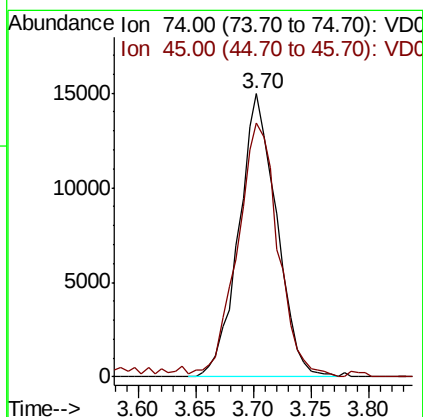
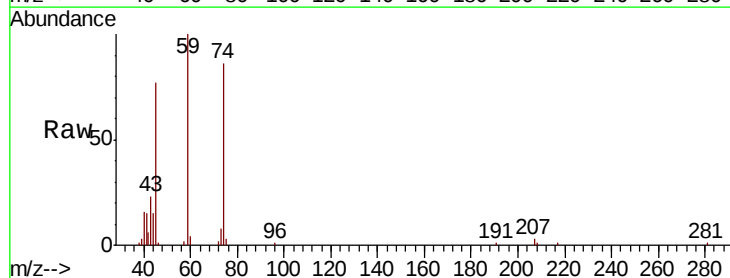
Tot Ion:101 Resp: 166073
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.4



#8

Diethyl Ether
 Concen: 20.593 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion: 74 Resp: 34066
 Ion Ratio Lower Upper
 74 100
 45 96.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.725 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

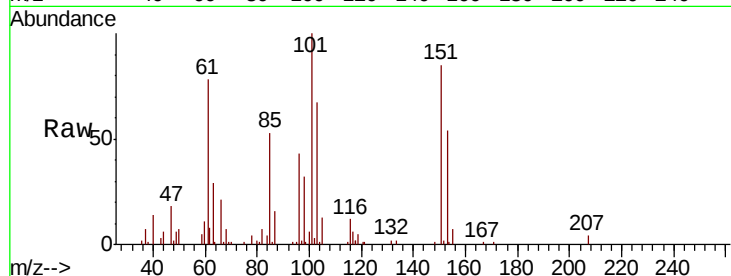
Tot Ion:101 Resp: 71503

Ion Ratio Lower Upper

101 100

85 46.2 35.2 52.8

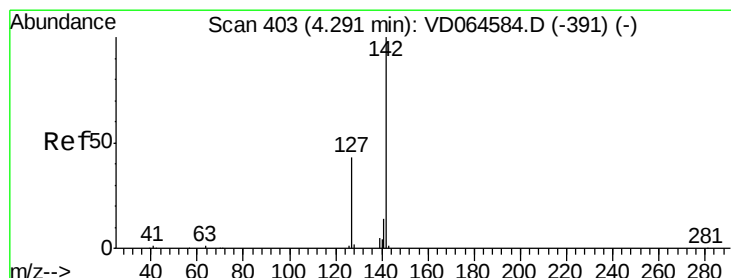
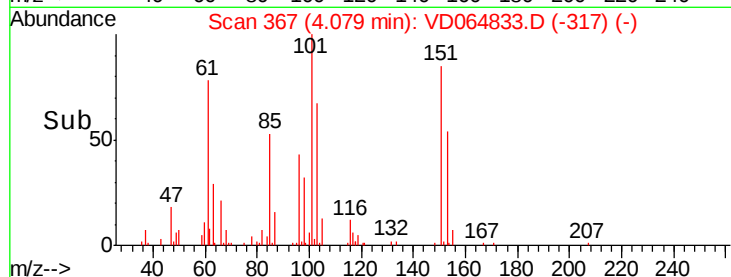
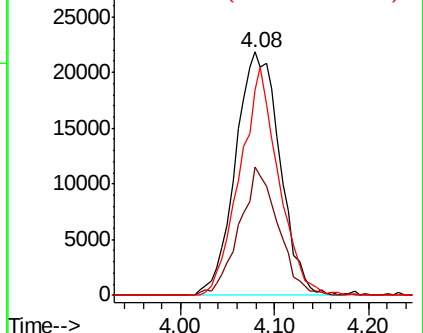
151 81.6 66.2 99.4



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: 17.800 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

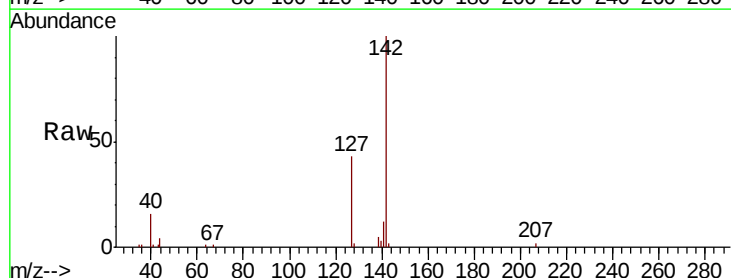
Tgt Ion:142 Resp: 65963

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

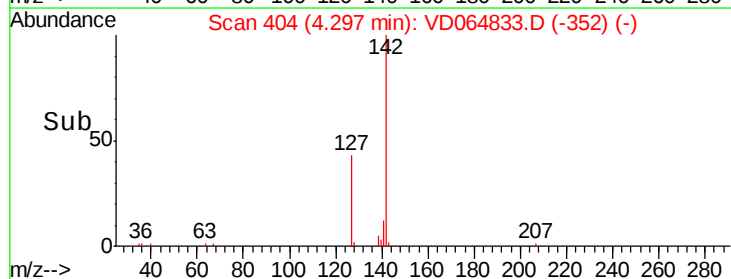
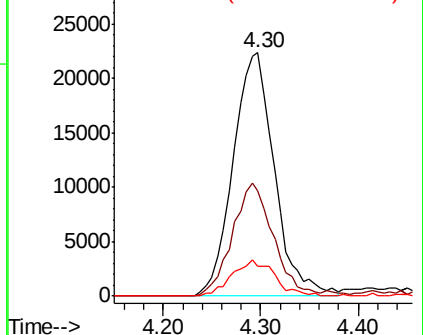
141 15.3 11.8 17.8

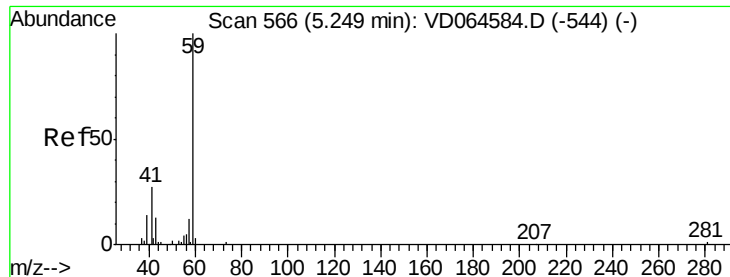


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



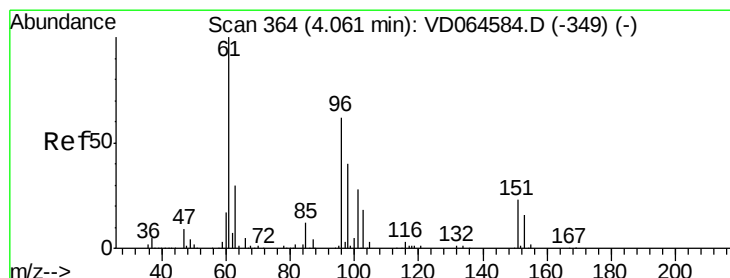
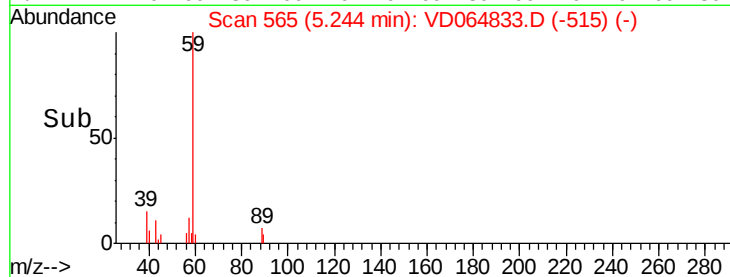
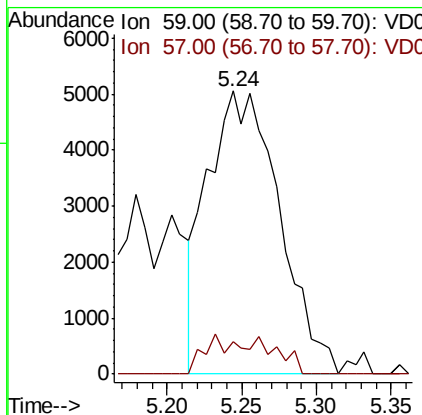
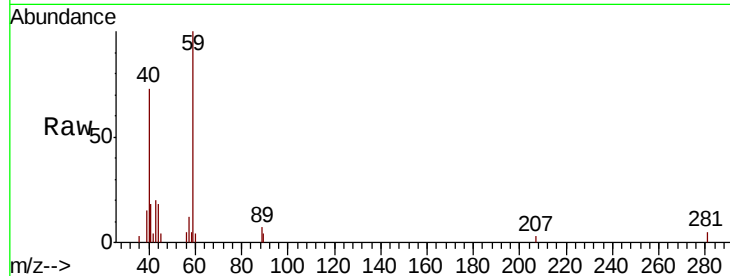


#11

Tert butyl alcohol
 Concen: 89.458 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

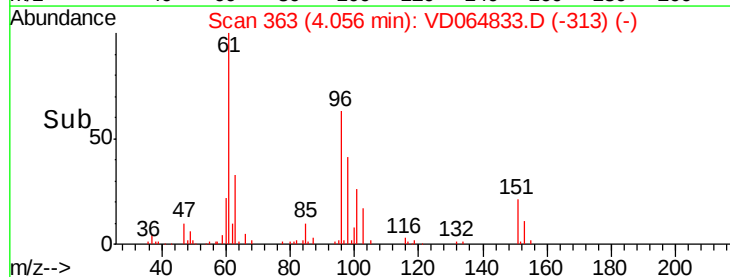
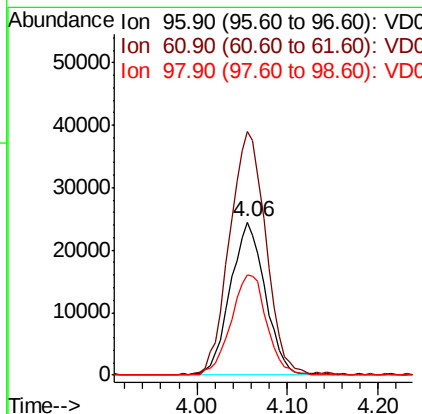
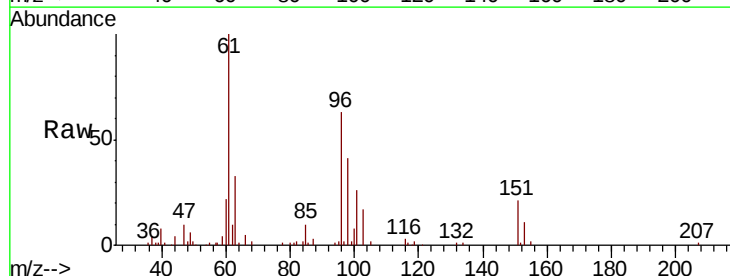
Tot Ion: 59 Resp: 16878
 Ion Ratio Lower Upper
 59 100
 57 6.1 9.3 13.9#

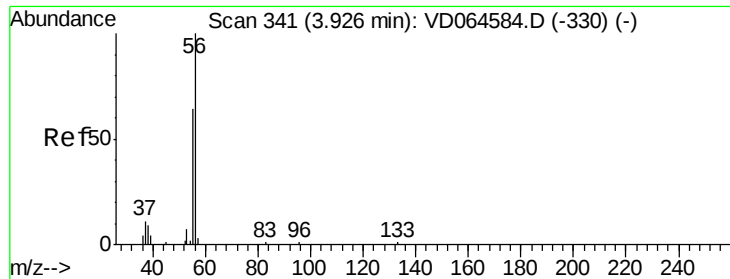


#12

1,1-Dichloroethene
 Concen: 19.889 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion: 96 Resp: 65328
 Ion Ratio Lower Upper
 96 100
 61 159.4 129.4 194.0
 98 65.4 51.4 77.0





#13

Acrolein

Concen: 77.676 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

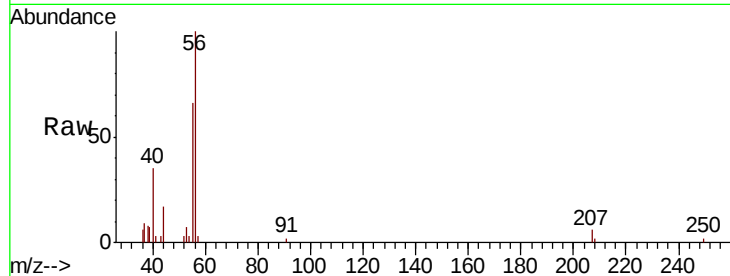
VD0110SBS01

Tot Ion: 56 Resp: 20424

Ion Ratio Lower Upper

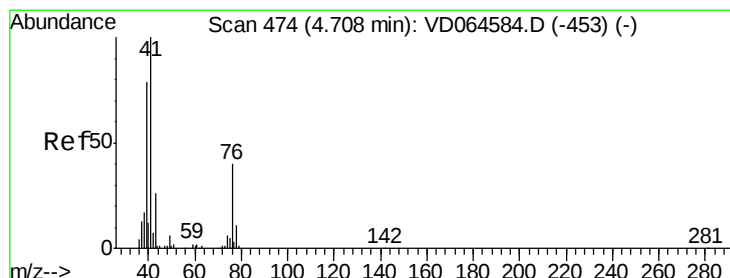
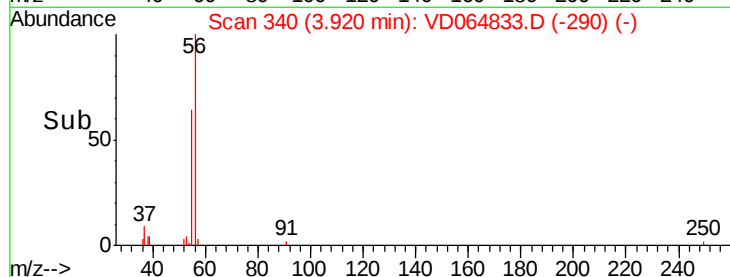
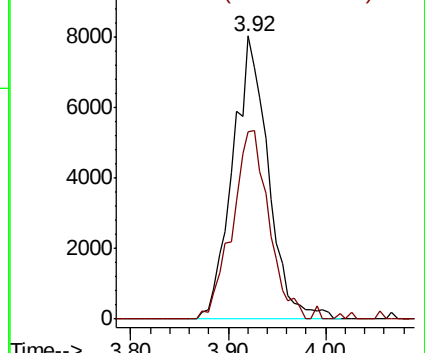
56 100

55 68.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.599 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

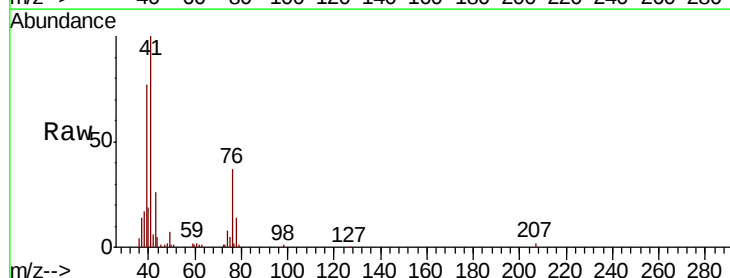
Tgt Ion: 41 Resp: 105489

Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

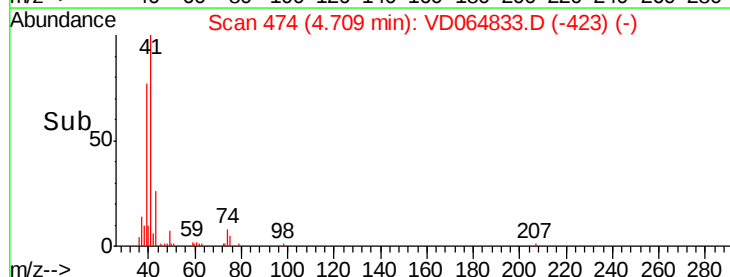
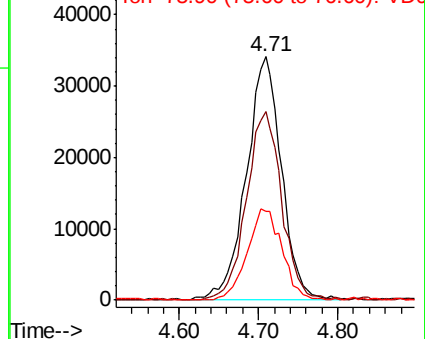
76 36.8 29.7 44.5

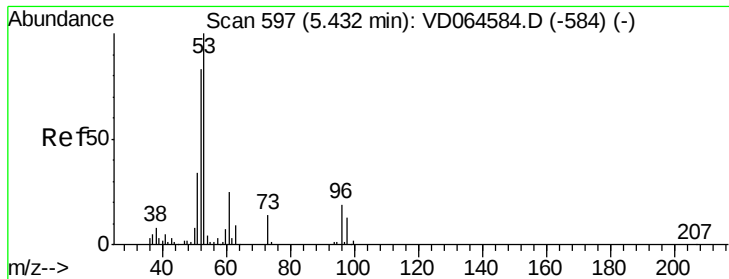


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.040 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

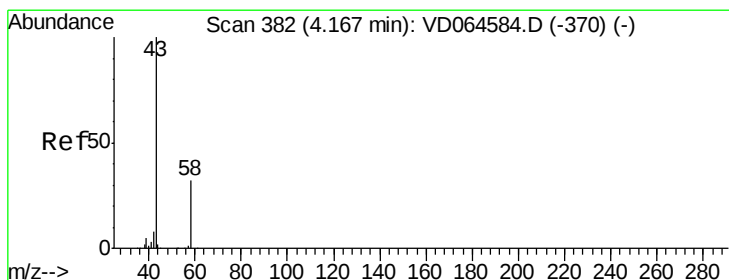
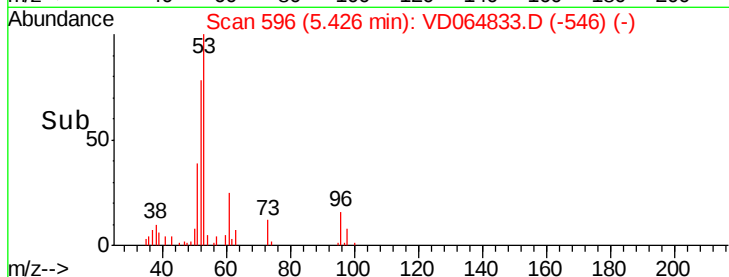
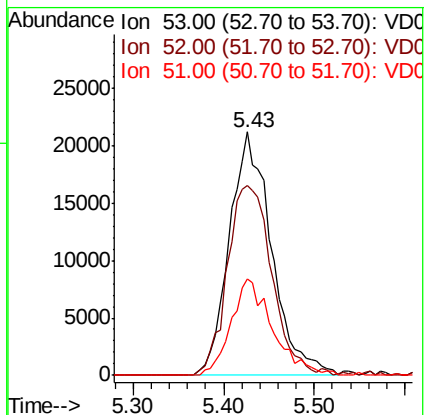
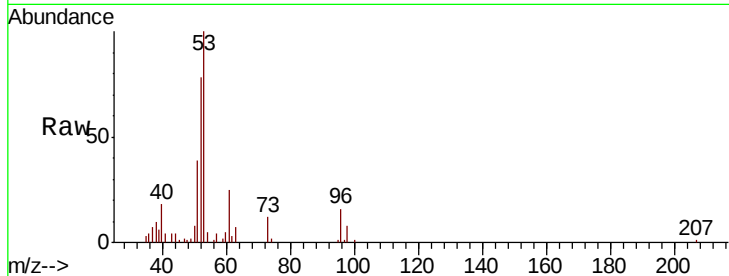
Tot Ion: 53 Resp: 68244

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

51 39.1 30.1 45.1



#16

Acetone

Concen: 100.423 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064833.D

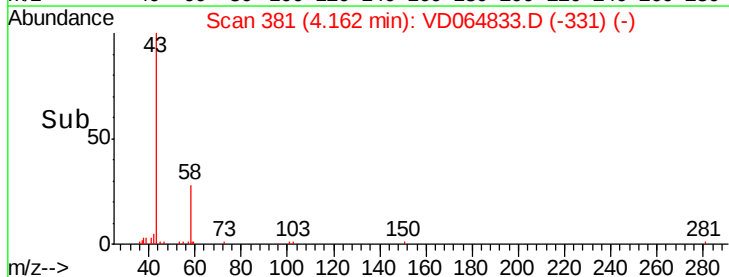
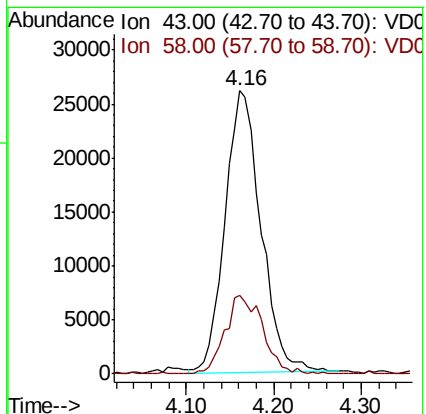
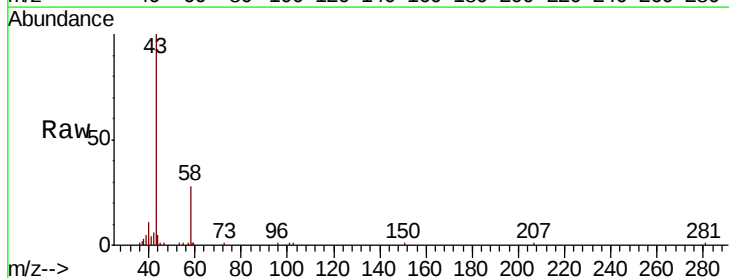
Acq: 10 Jan 2020 15:12

Tgt Ion: 43 Resp: 72825

Ion Ratio Lower Upper

43 100

58 28.1 25.8 38.6

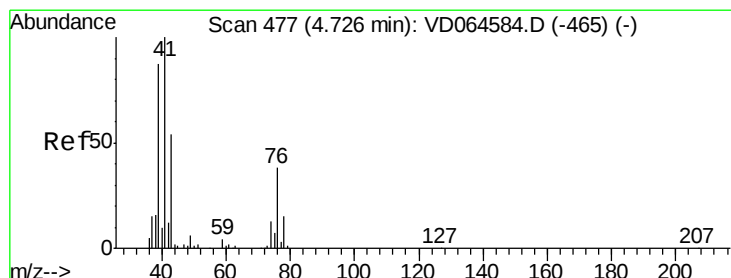
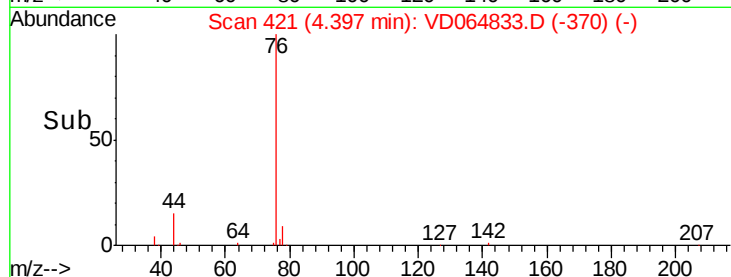
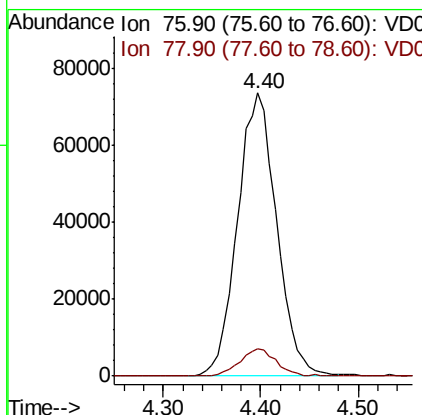
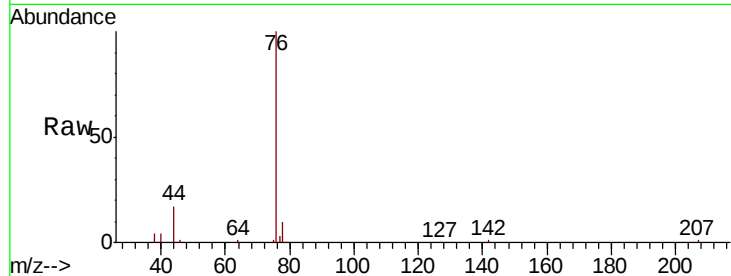




#17
Carbon Disulfide
Concen: 19.345 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

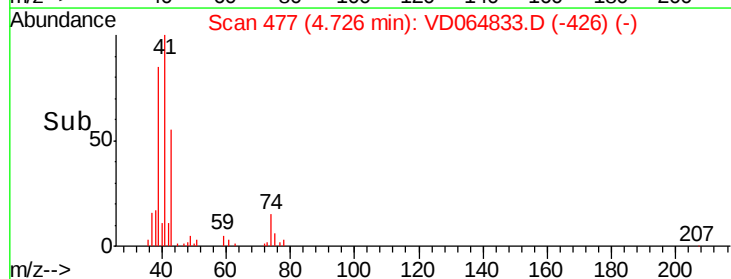
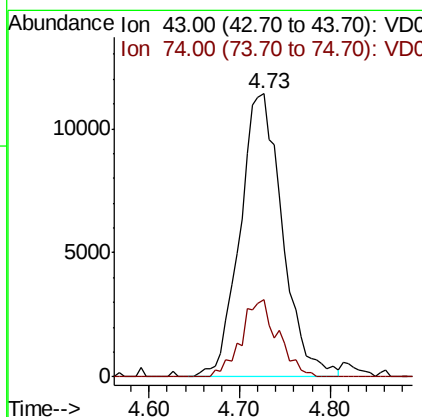
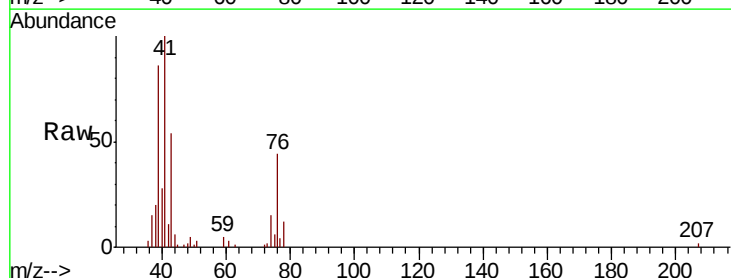
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 76 Resp: 205458
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 20.007 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 43 Resp: 37081
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



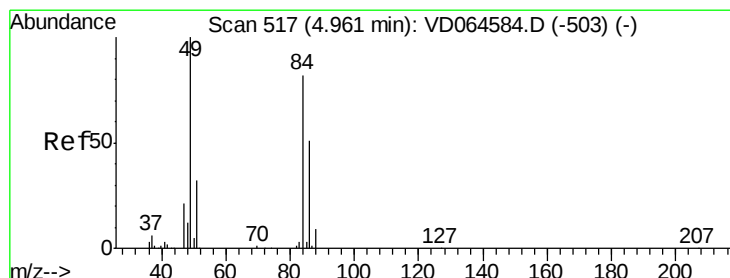
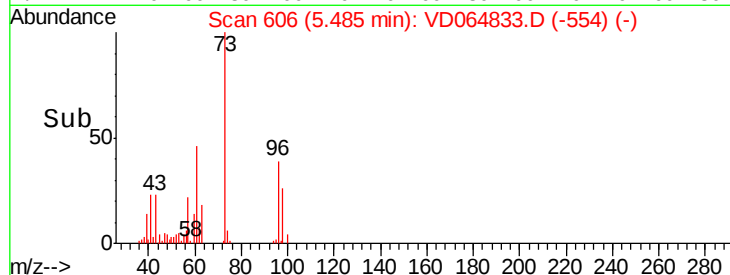
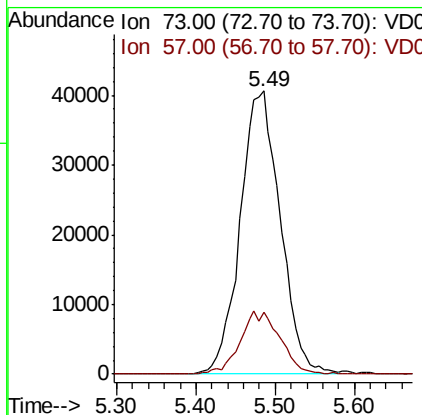
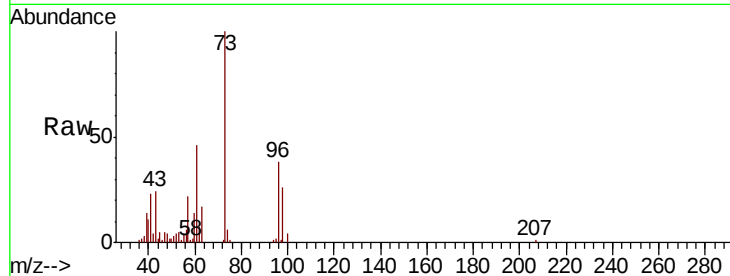


#19

Methyl tert-butyl Ether
 Concen: 19.571 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

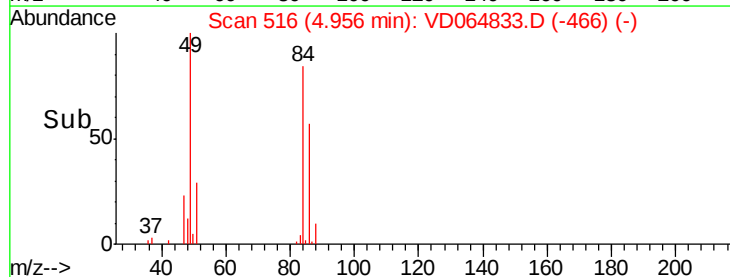
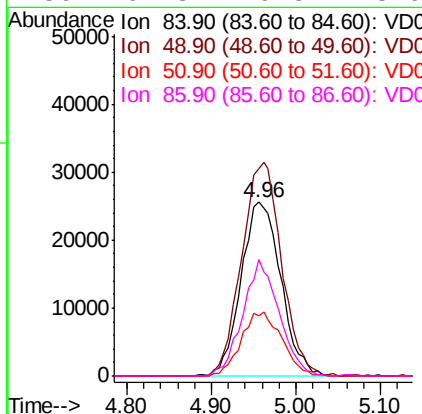
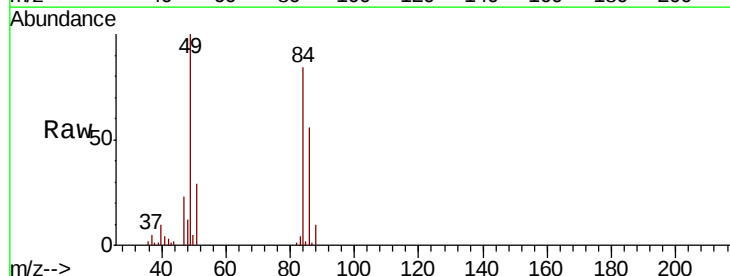
Tot Ion: 73 Resp: 142781
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.6 27.8

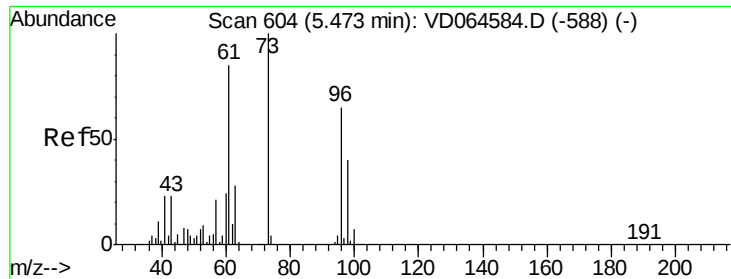


#20

Methylene Chloride
 Concen: 22.147 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion: 84 Resp: 83733
 Ion Ratio Lower Upper
 84 100
 49 119.5 97.2 145.8
 51 35.0 31.4 47.0
 86 67.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

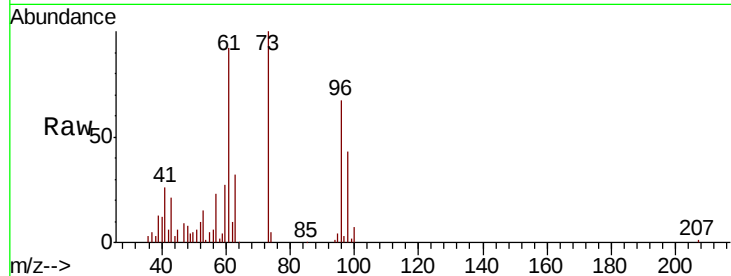
Tot Ion: 96 Resp: 74078

Ion Ratio Lower Upper

96 100

61 138.2 104.7 157.1

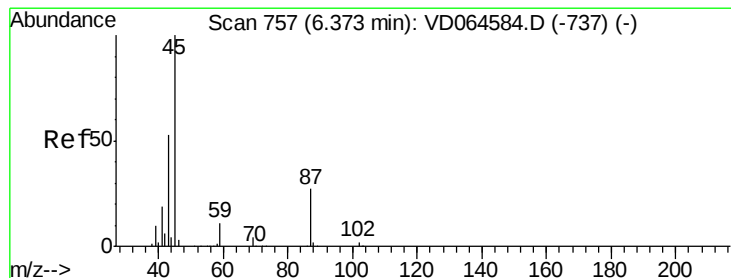
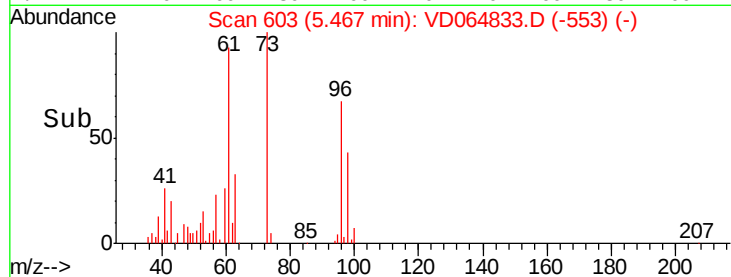
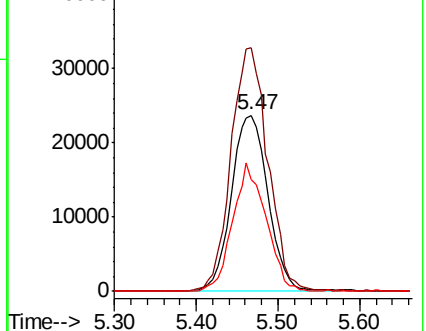
98 63.7 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.735 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion: 45 Resp: 211797

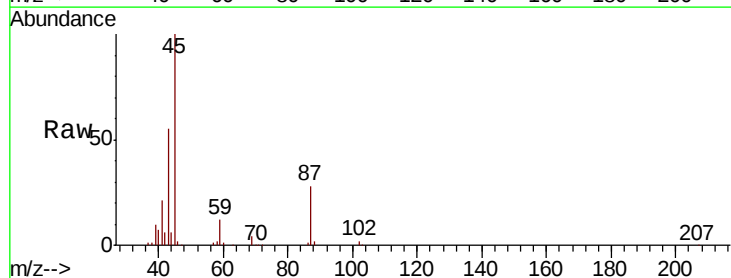
Ion Ratio Lower Upper

45 100

43 53.9 43.2 64.8

87 27.9 21.9 32.9

59 12.3 9.0 13.4

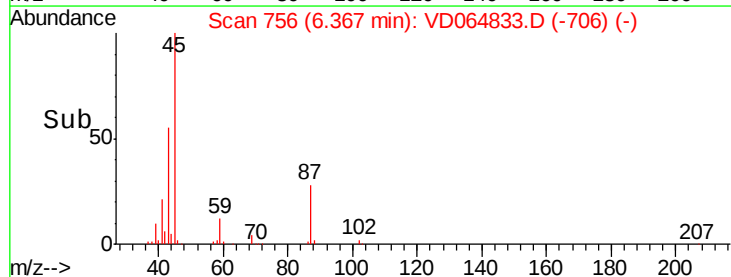
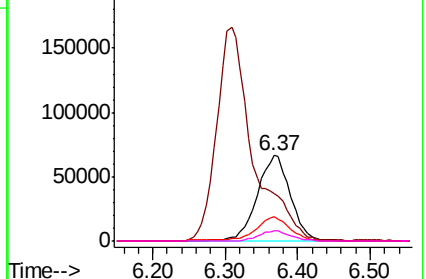


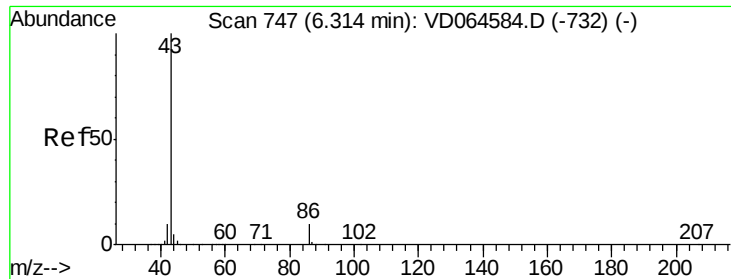
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 99.990 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

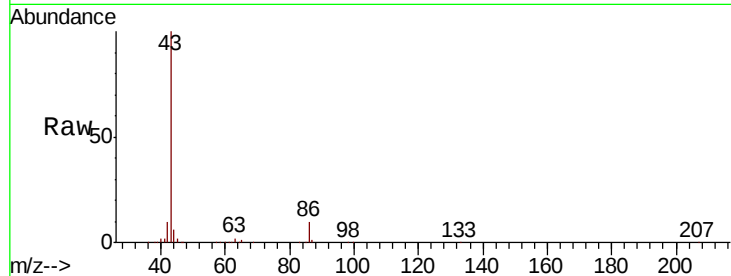
VD0110SBS01

Tot Ion: 43 Resp: 579367

Ion Ratio Lower Upper

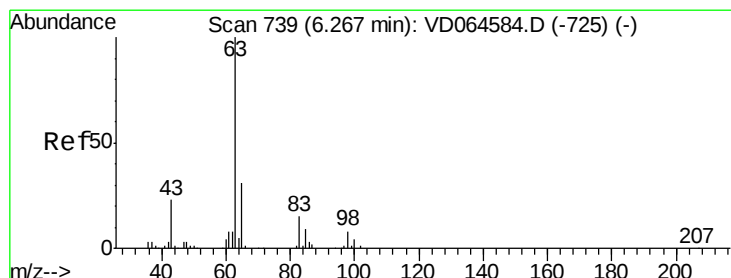
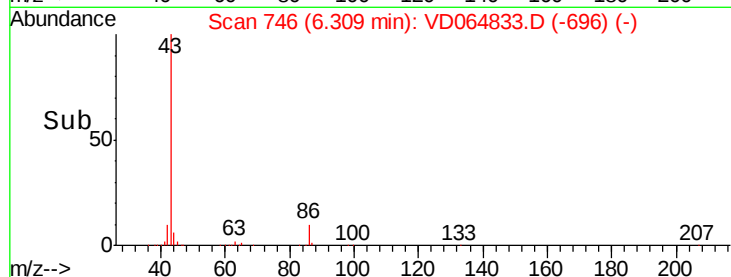
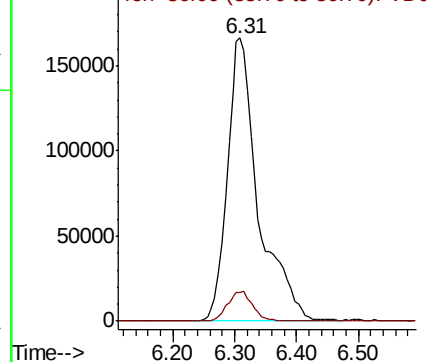
43 100

86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.062 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

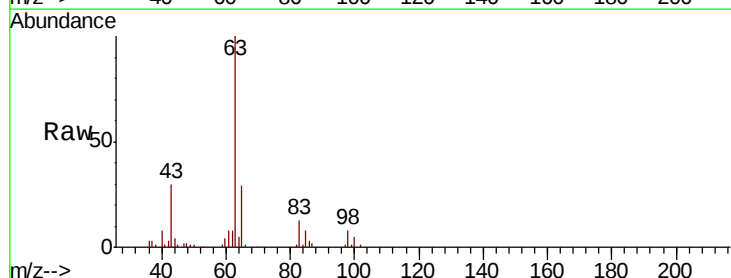
Tgt Ion: 63 Resp: 129154

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

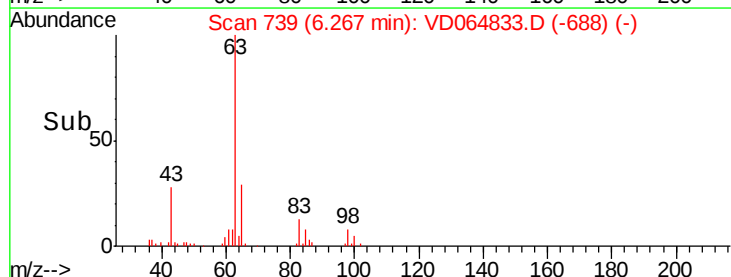
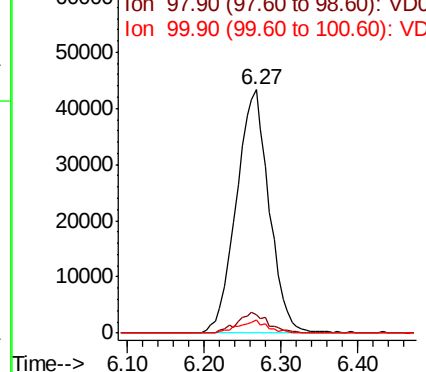
100 5.5 2.2 6.6

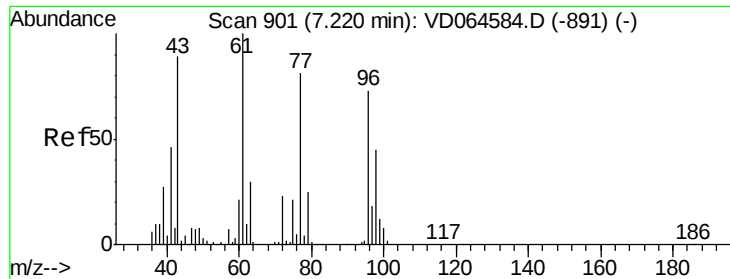


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.070 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

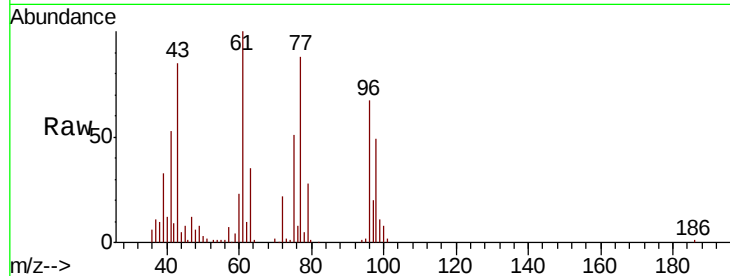
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 92364

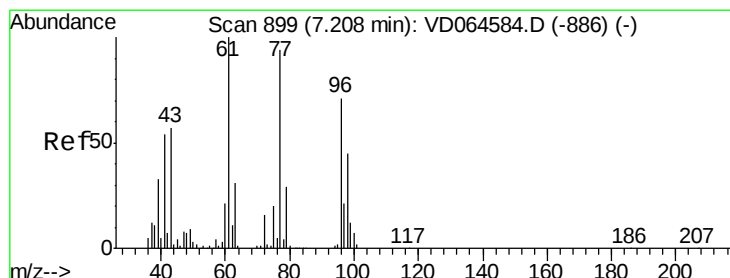
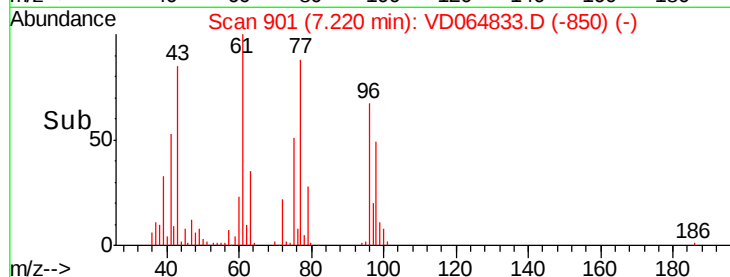
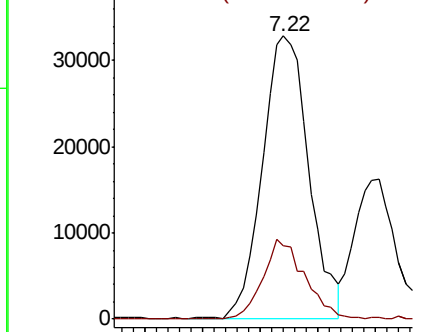
Ion Ratio Lower Upper

43 100

72 25.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.275 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064833.D

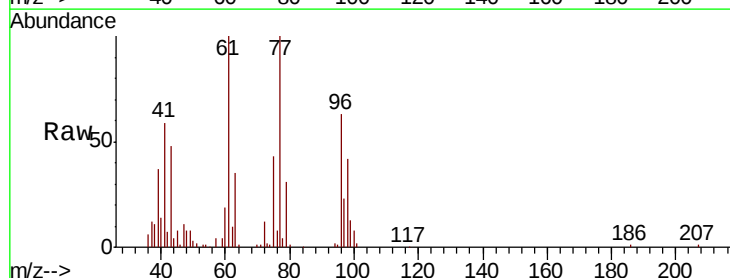
Acq: 10 Jan 2020 15:12

Tgt Ion: 77 Resp: 121297

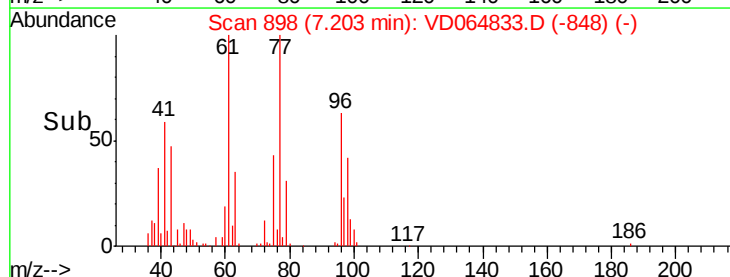
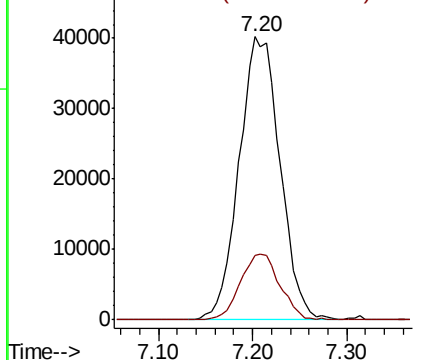
Ion Ratio Lower Upper

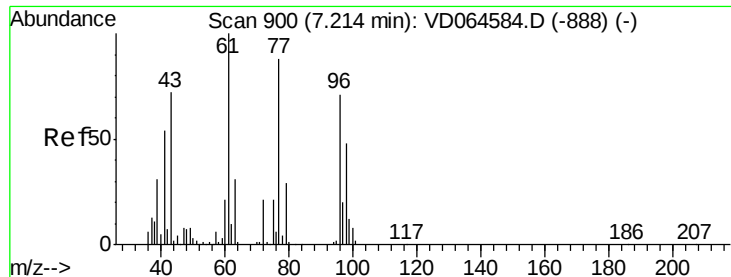
77 100

97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.798 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

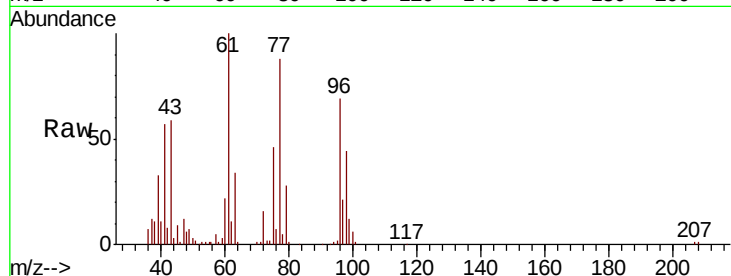
Tot Ion: 96 Resp: 79923

Ion Ratio Lower Upper

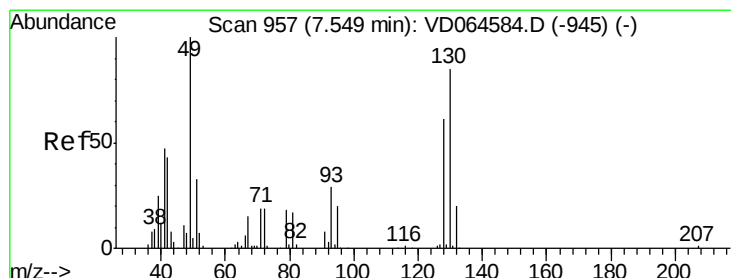
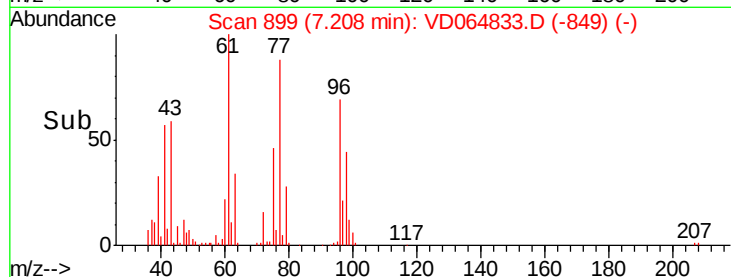
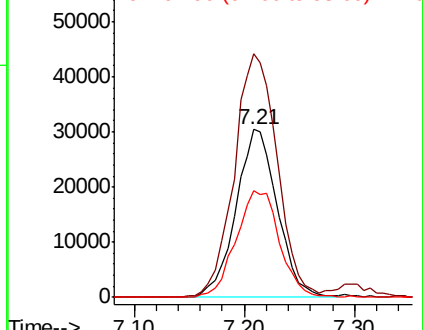
96 100

61 150.8 0.0 282.6

98 66.5 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: 20.459 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

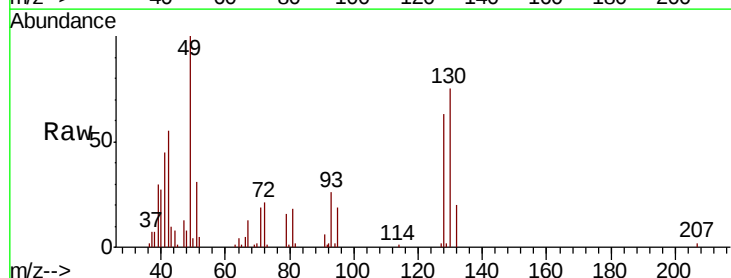
Tgt Ion: 49 Resp: 48768

Ion Ratio Lower Upper

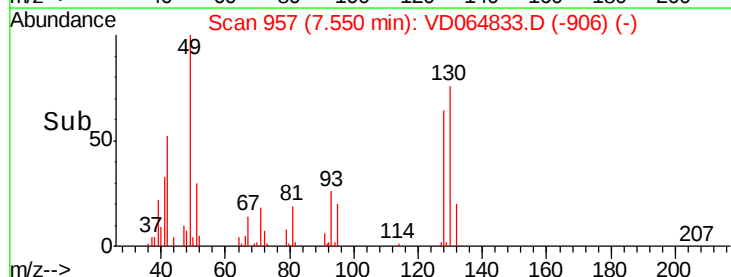
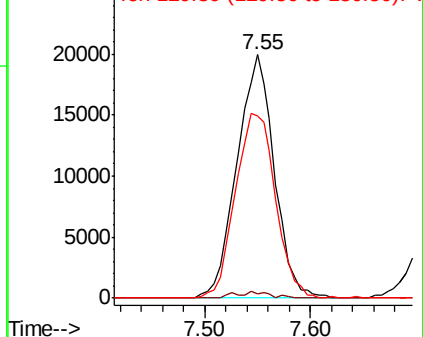
49 100

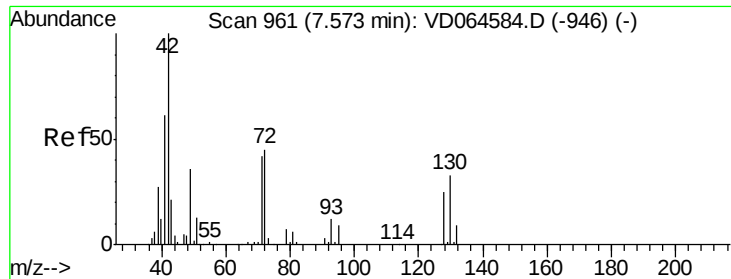
129 1.8 0.0 4.8

130 81.6 65.0 97.6



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

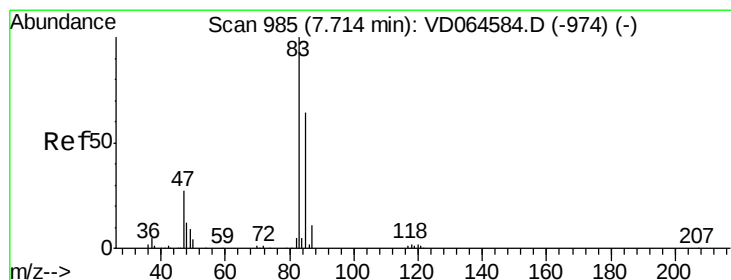
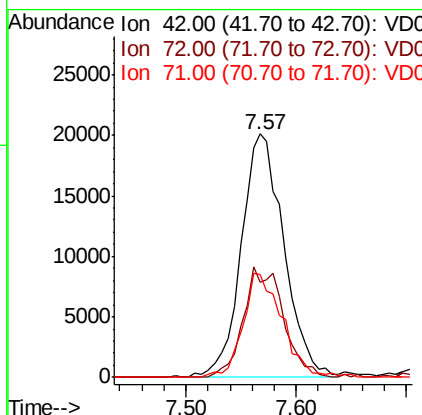
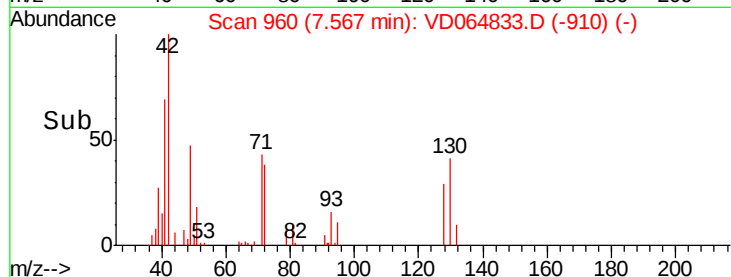
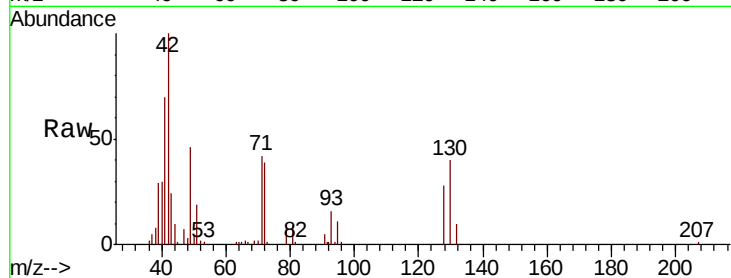




#29
Tetrahydrofuran
Concen: 96.736 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

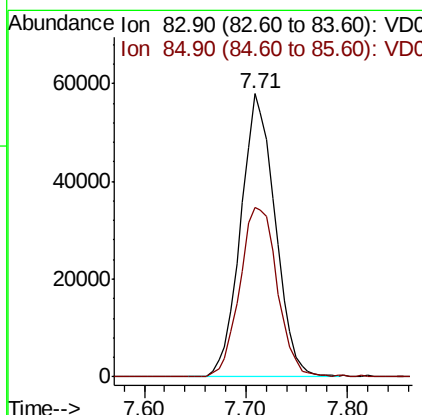
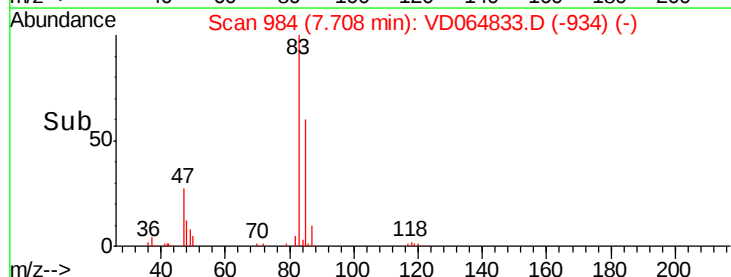
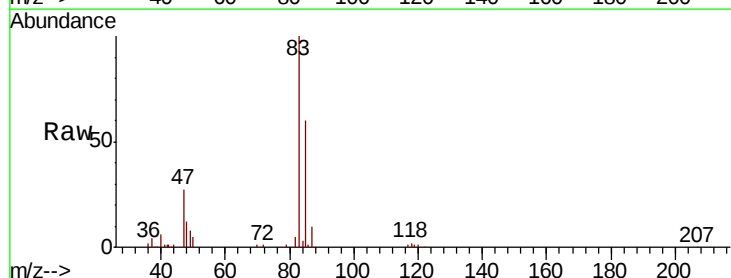
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

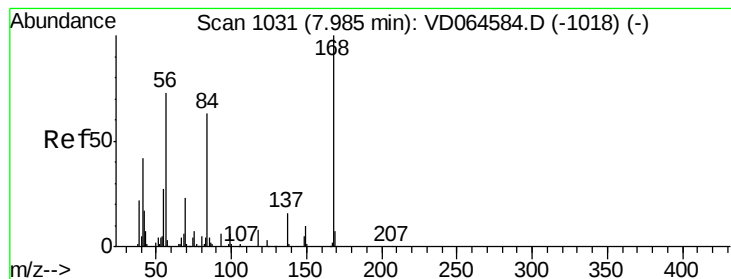
Tot Ion: 42 Resp: 54437
Ion Ratio Lower Upper
42 100
72 42.5 35.0 52.4
71 39.7 32.9 49.3



#30
Chloroform
Concen: 21.301 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 83 Resp: 137038
Ion Ratio Lower Upper
83 100
85 60.0 51.1 76.7





#31

Cyclohexane

Concen: 19.879 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

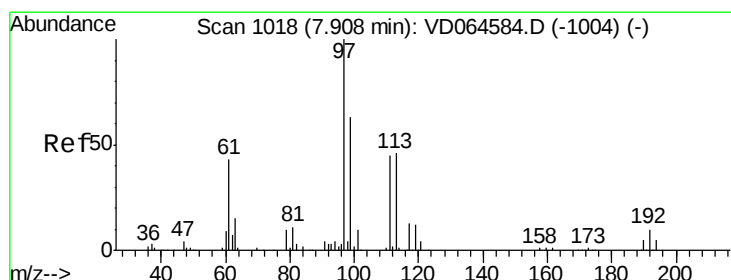
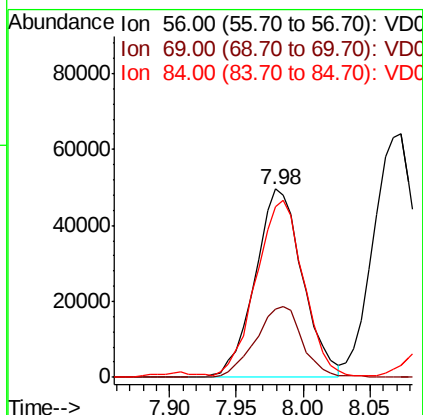
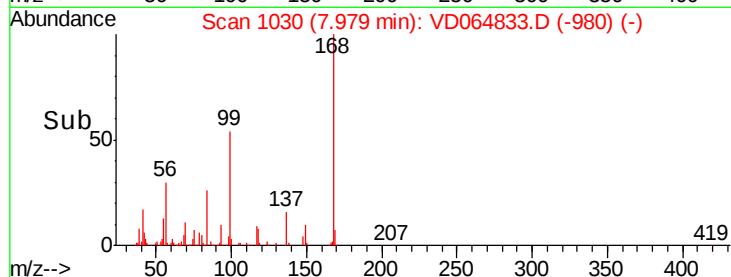
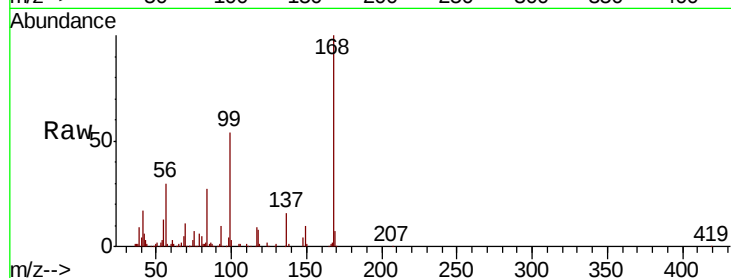
Tot Ion: 56 Resp: 122020

Ion Ratio Lower Upper

56 100

69 36.2 24.7 37.1

84 88.9 69.4 104.2



#32

1,1,1-Trichloroethane

Concen: 21.098 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

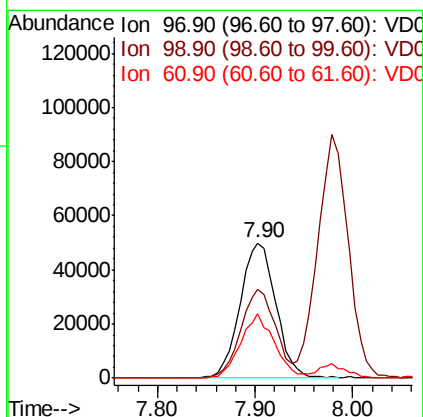
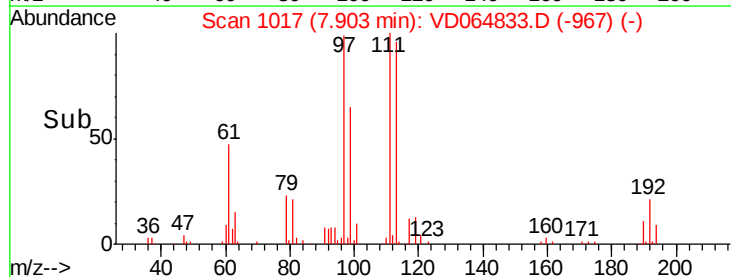
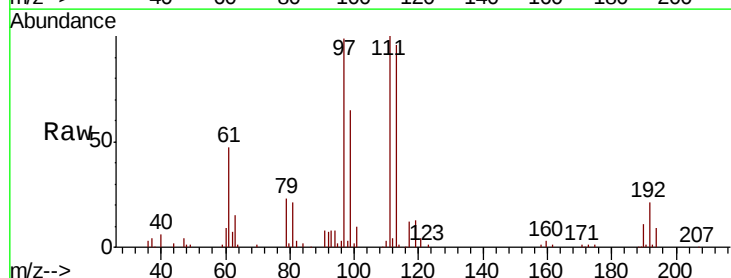
Tgt Ion: 97 Resp: 127490

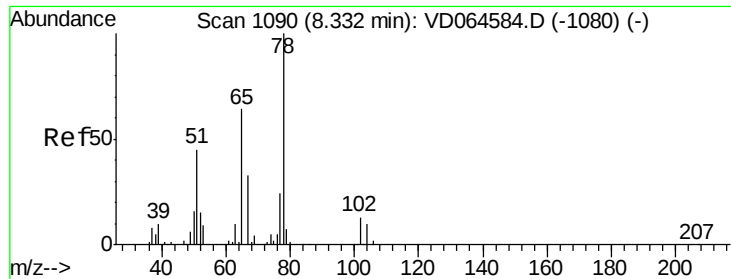
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 44.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 54.863 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

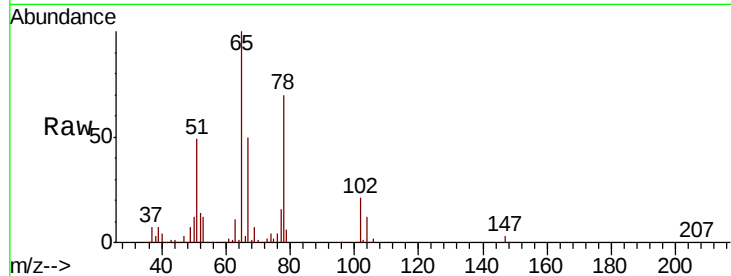
VD0110SBS01

Tot Ion: 65 Resp: 180611

Ion Ratio Lower Upper

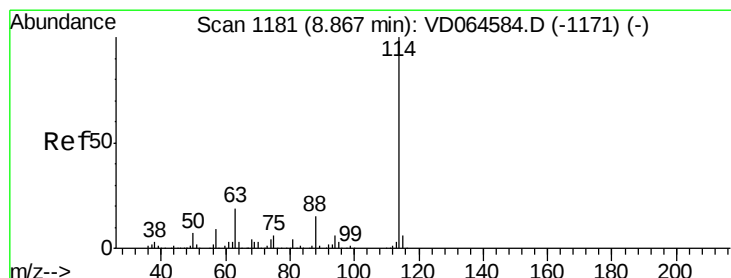
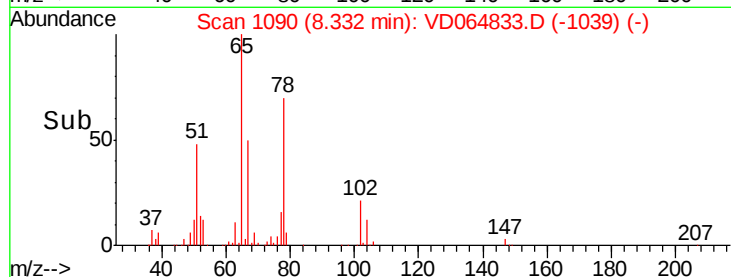
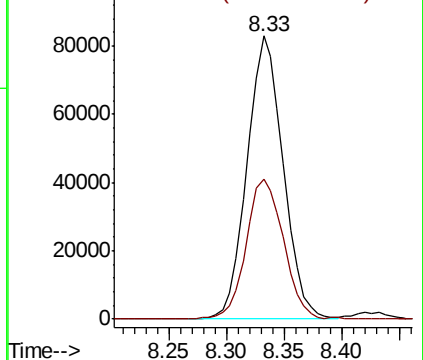
65 100

67 51.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

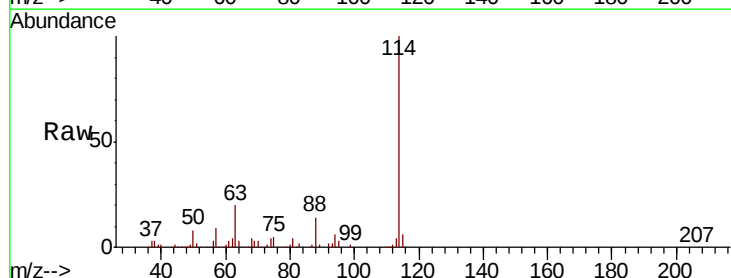
Tgt Ion: 114 Resp: 545009

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

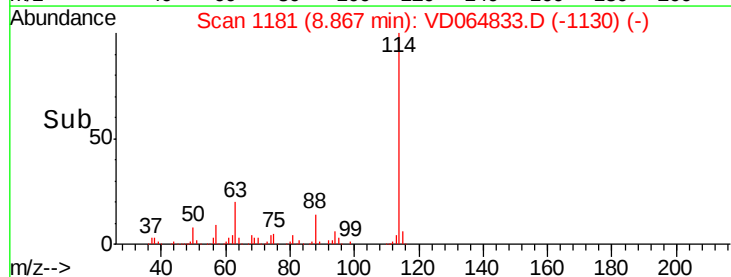
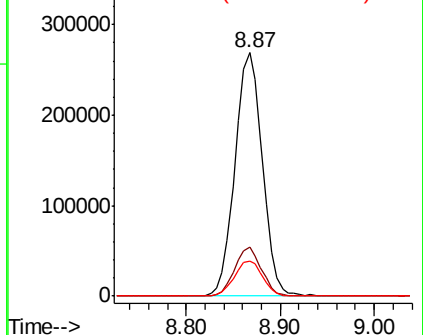
88 14.2 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

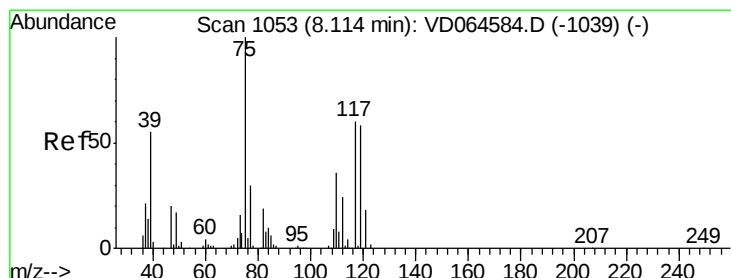
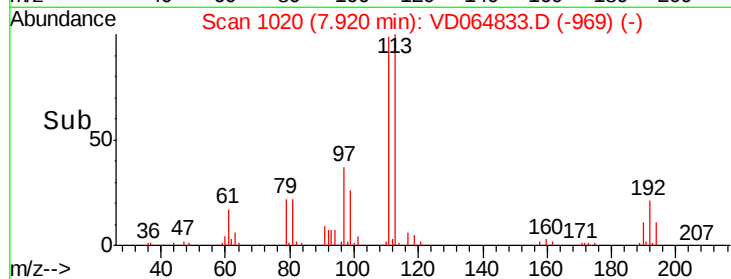
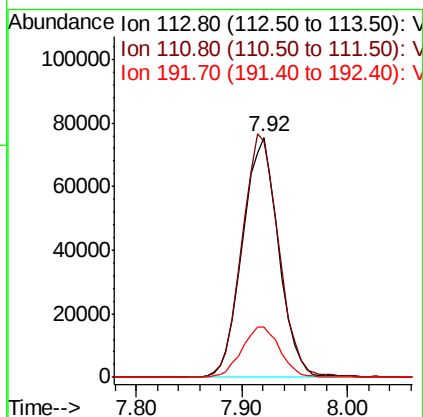
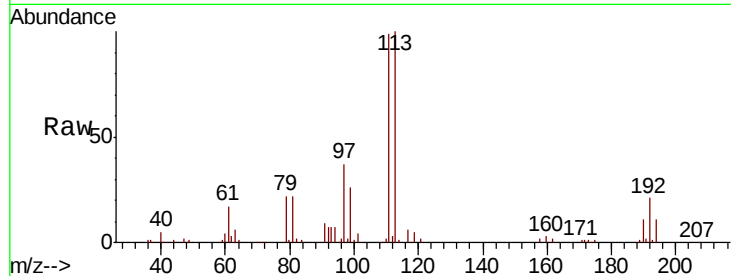




#35
 Dibromofluoromethane
 Concen: 53.646 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

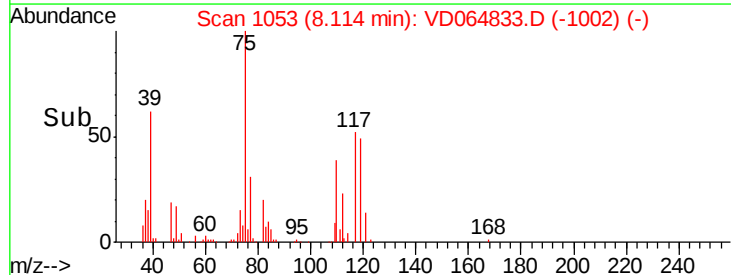
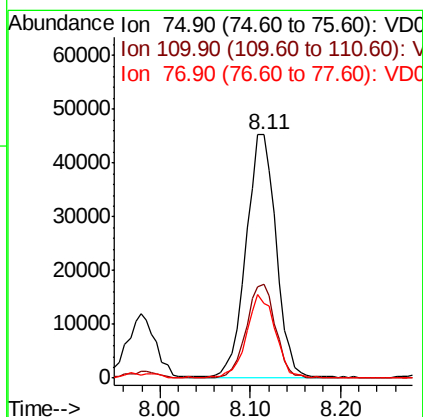
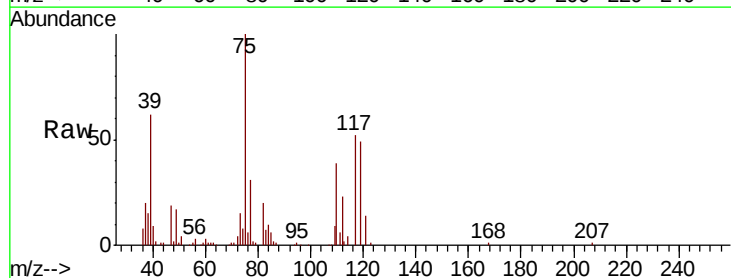
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.6	121.0
192	22.1	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 19.994 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.1
77	32.8	24.2	36.4

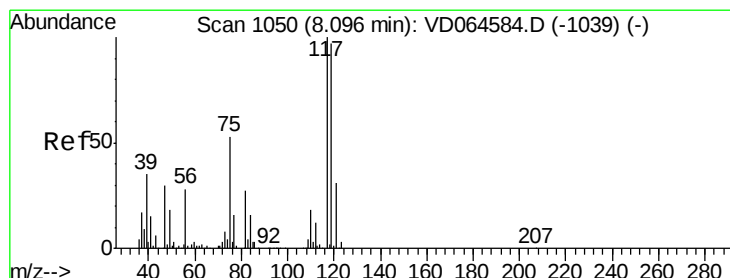
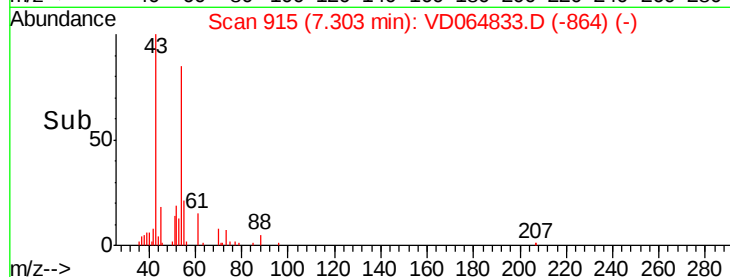
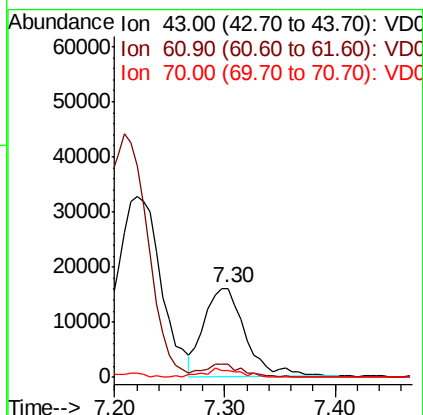
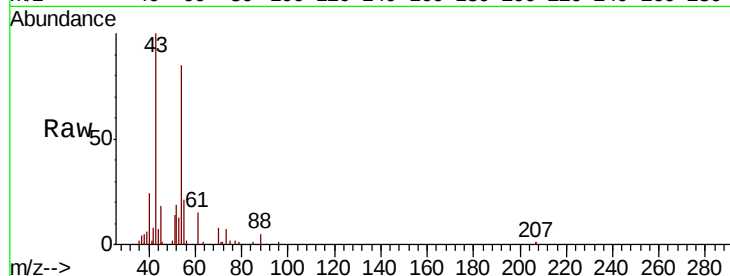




#37
Ethyl Acetate
Concen: 20.008 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

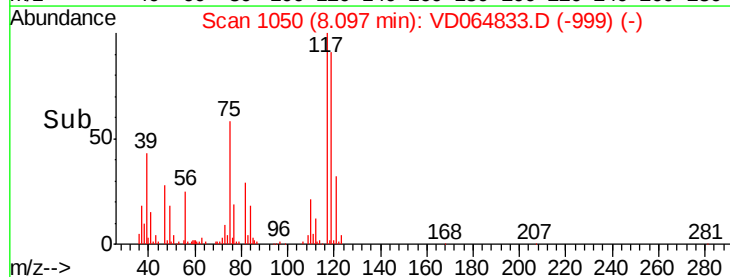
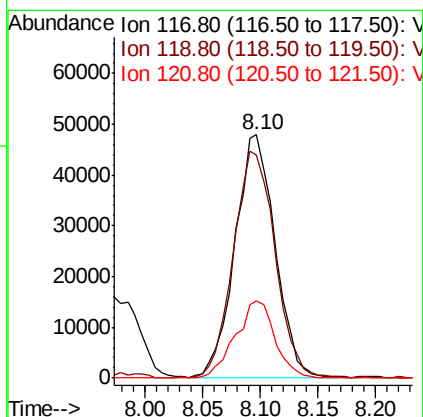
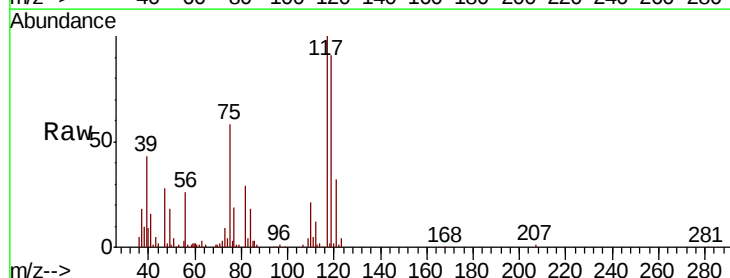
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 41233
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 8.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.799 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 117 Resp: 116338
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9
121 31.7 25.0 37.6

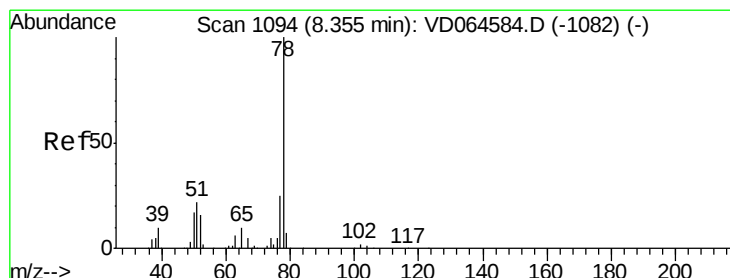
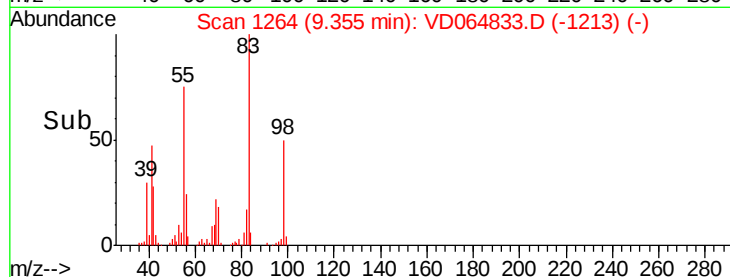
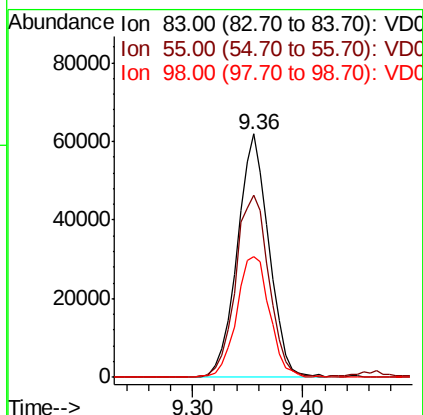
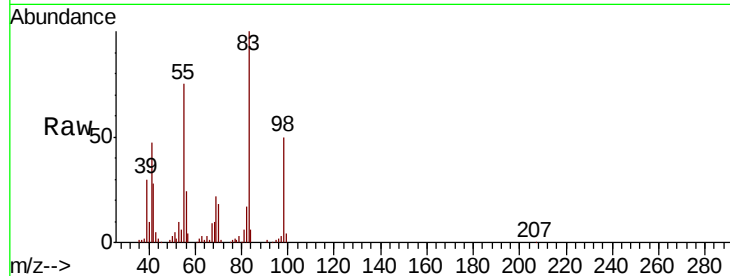




#39
Methvlcvclohexane
Concen: 19.591 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

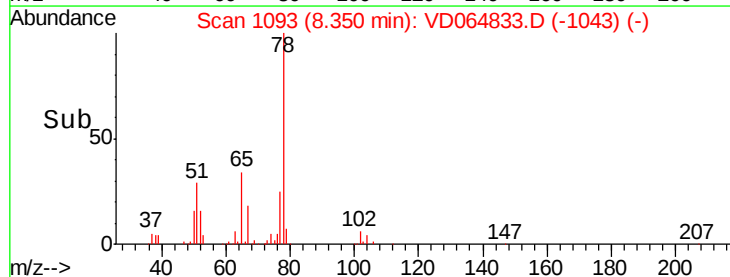
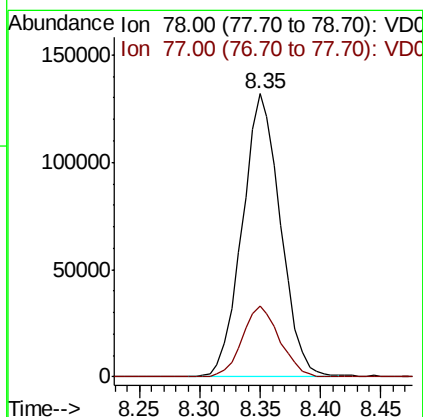
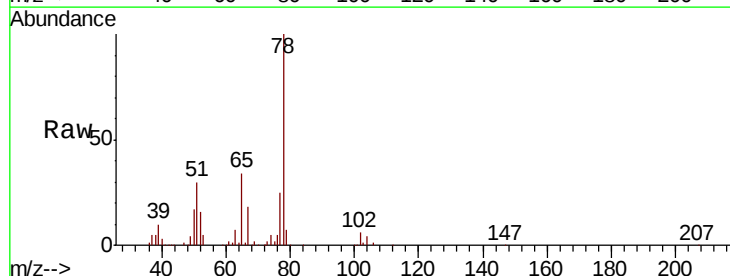
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

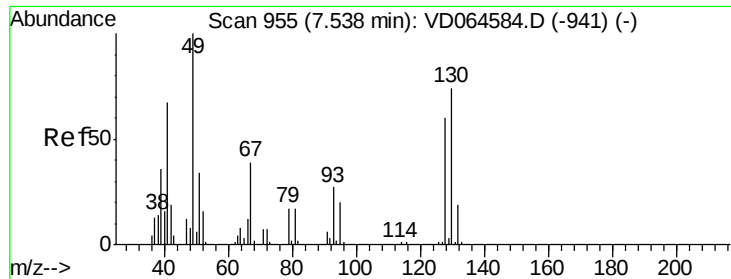
Tot Ion: 83 Resp: 124472
Ion Ratio Lower Upper
83 100
55 74.7 57.8 86.6
98 49.8 38.7 58.1



#40
Benzene
Concen: 20.298 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 78 Resp: 290676
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

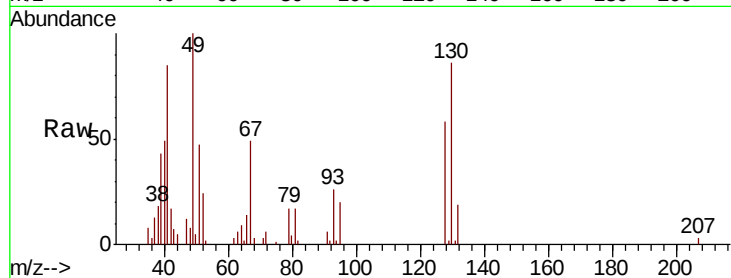




#41
Methacrylonitrile
Concen: 20.055 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:	41	Resp:	23979
Ion	Ratio	Lower	Upper
41	100		
39	49.4	46.7	70.1
67	68.6	52.5	78.7
52	32.7	24.1	36.1



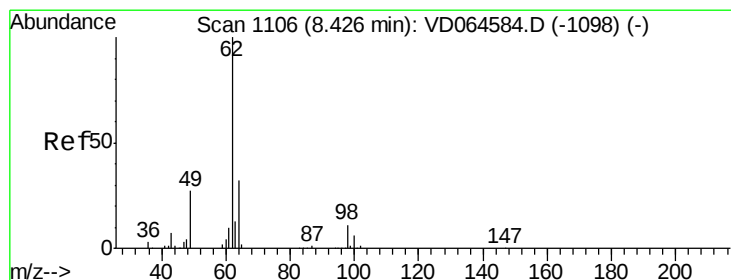
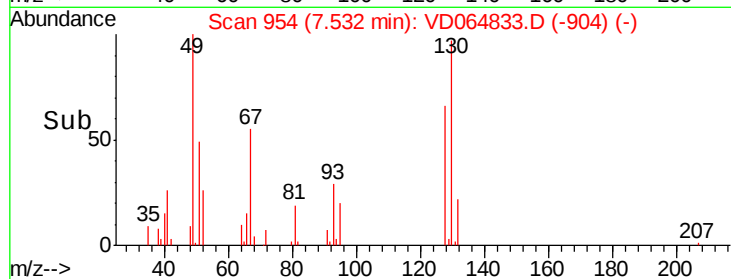
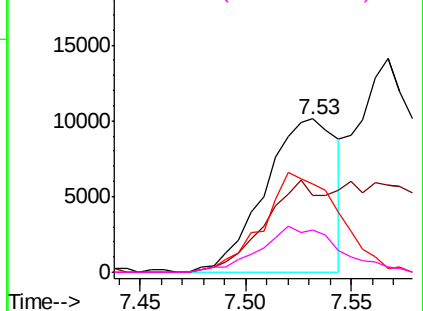
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

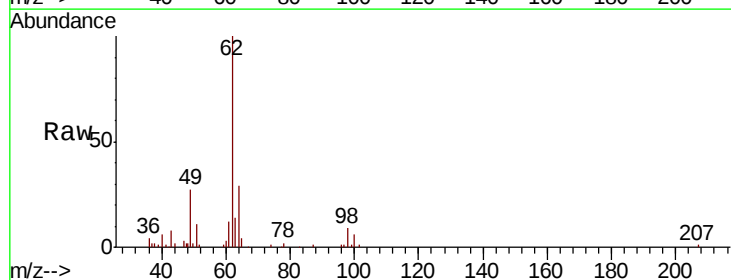
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 21.452 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

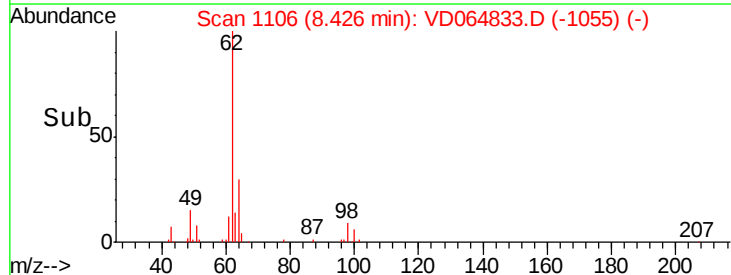
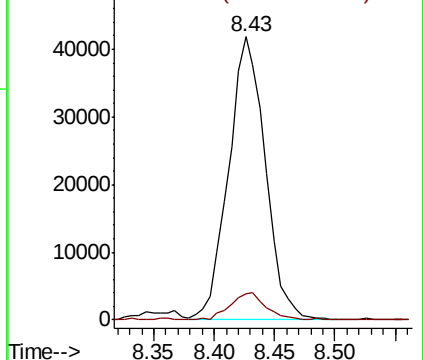
Tgt Ion:	62	Resp:	88771
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.0

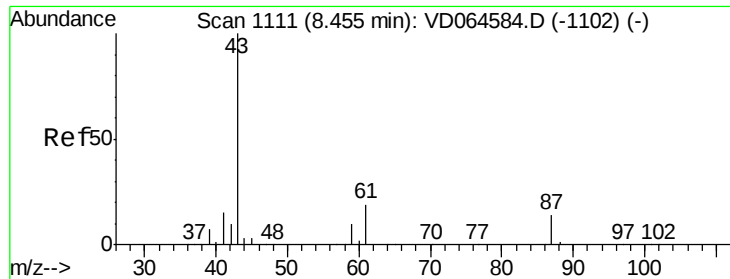


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.485 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

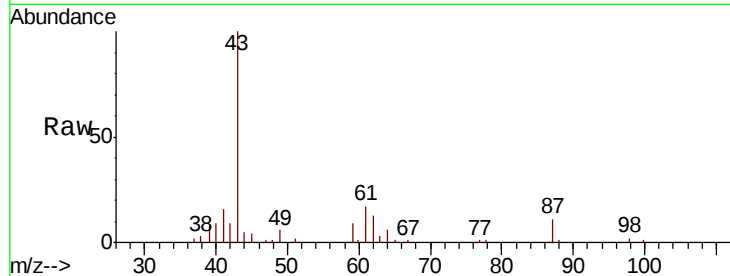
Tot Ion: 43 Resp: 79923

Ion Ratio Lower Upper

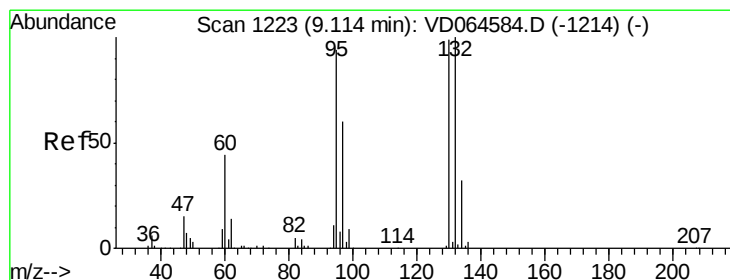
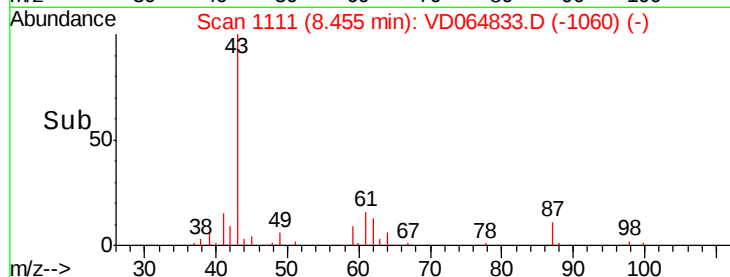
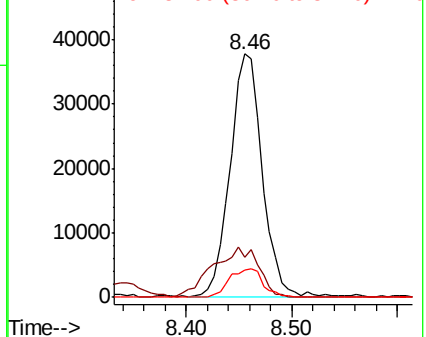
43 100

61 29.3 23.7 35.5

87 12.1 10.5 15.7



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



#44

Trichloroethene

Concen: 20.179 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064833.D

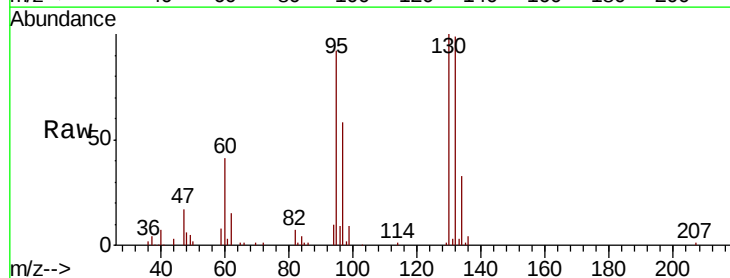
Acq: 10 Jan 2020 15:12

Tgt Ion:130 Resp: 84889

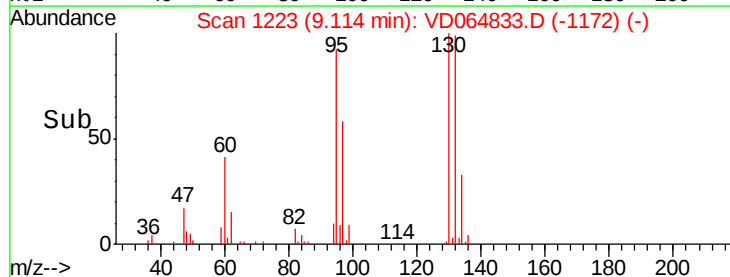
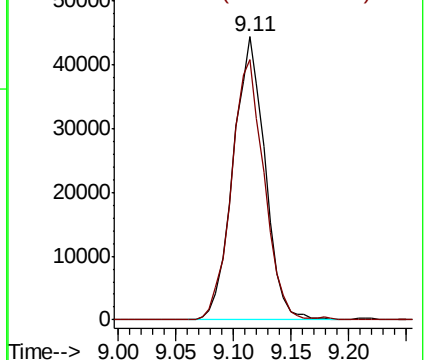
Ion Ratio Lower Upper

130 100

95 91.9 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 21.356 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

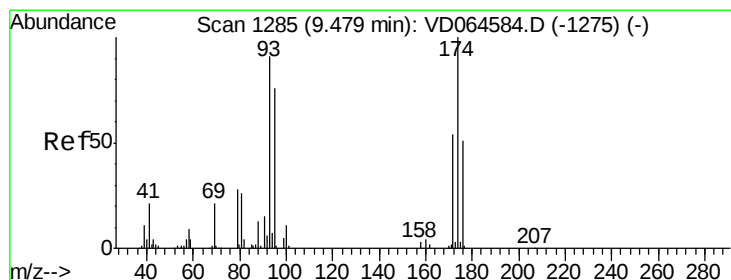
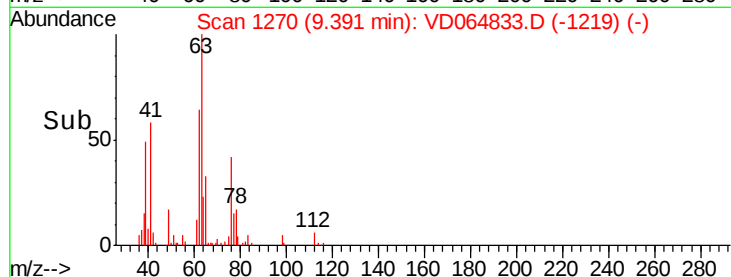
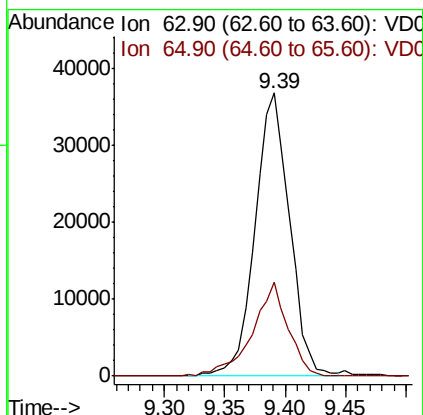
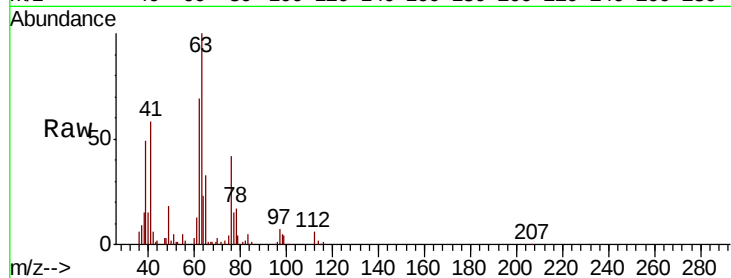
VD0110SBS01

Tot Ion: 63 Resp: 73020

Ion Ratio Lower Upper

63 100

65 33.4 25.2 37.8



#46

Dibromomethane

Concen: 19.860 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

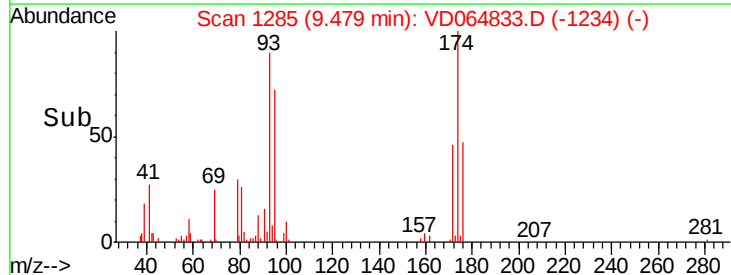
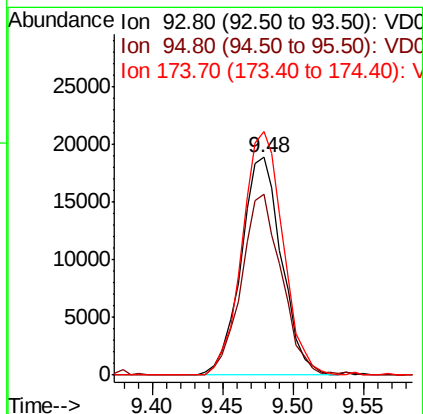
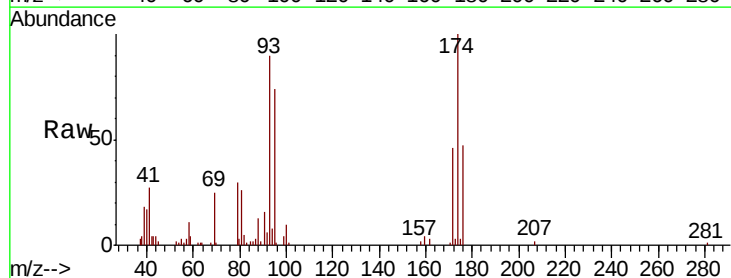
Tgt Ion: 93 Resp: 37859

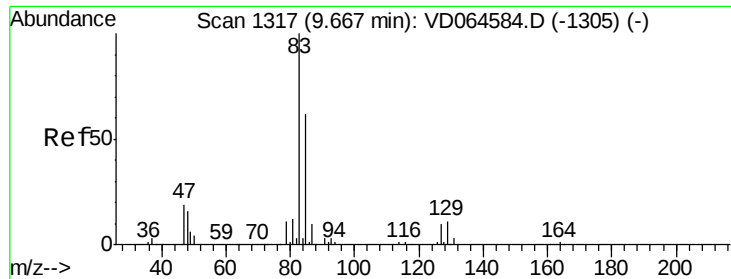
Ion Ratio Lower Upper

93 100

95 82.8 64.6 97.0

174 112.7 88.1 132.1





#47

Bromodichloromethane

Concen: 20.543 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

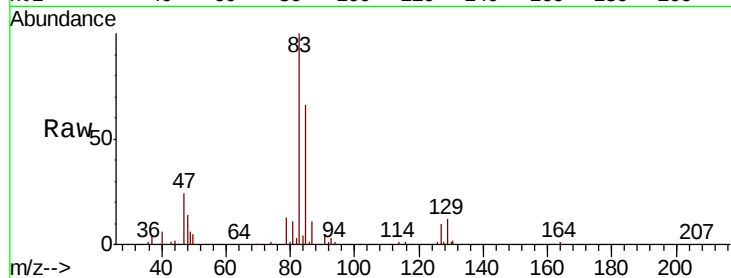
Tot Ion: 83 Resp: 104205

Ion Ratio Lower Upper

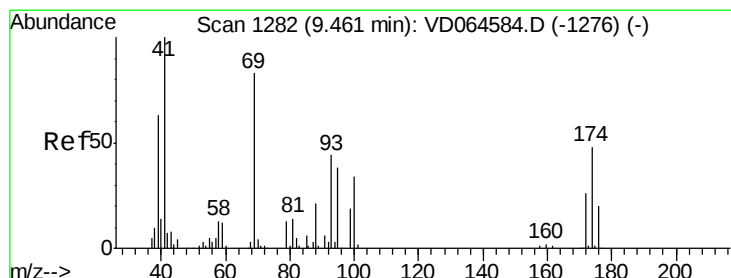
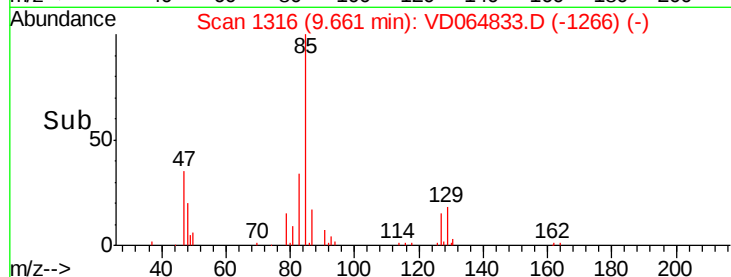
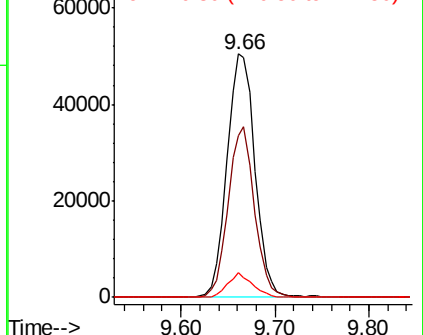
83 100

85 66.5 49.5 74.3

127 10.1 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: 19.175 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

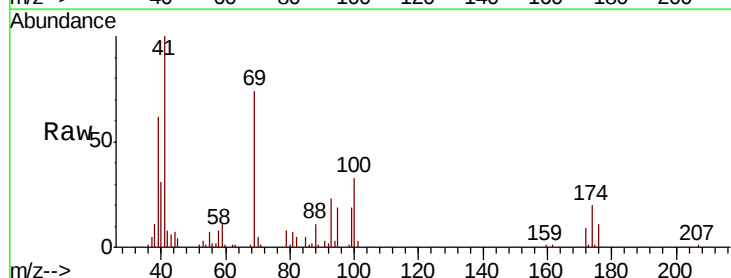
Tgt Ion: 41 Resp: 37034

Ion Ratio Lower Upper

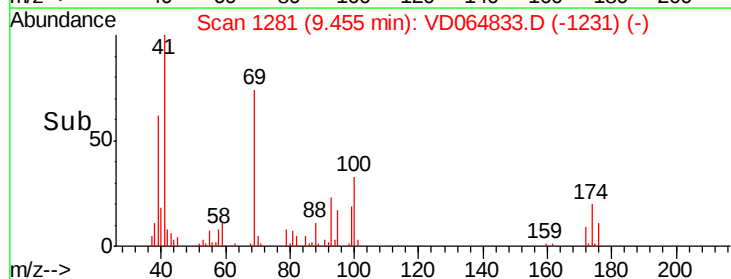
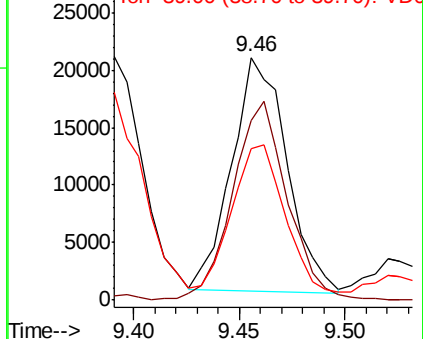
41 100

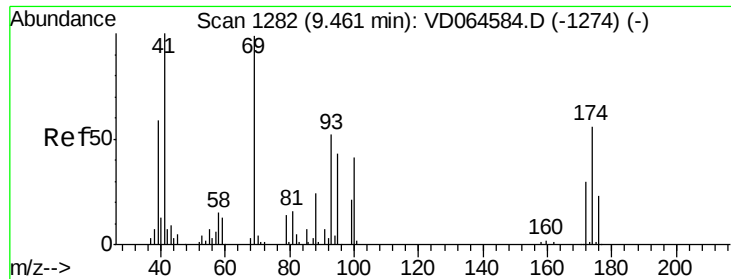
69 84.0 63.0 94.6

39 60.1 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: 403.535 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

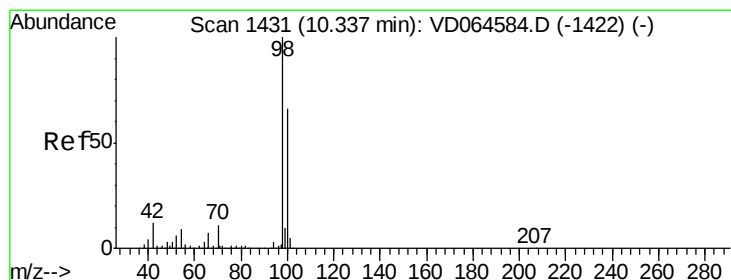
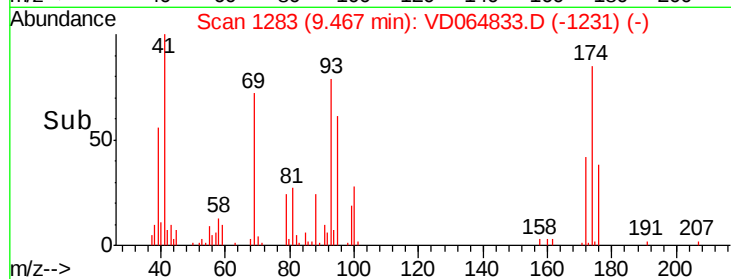
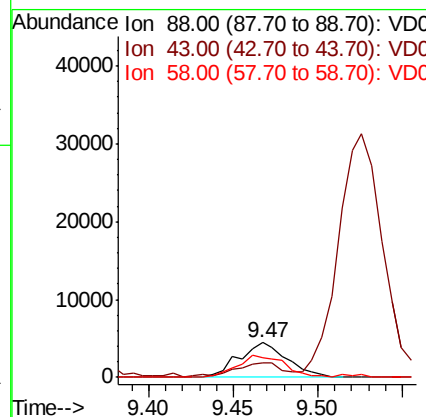
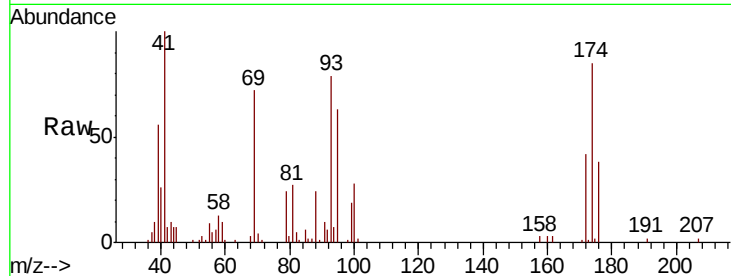
Tot Ion: 88 Resp: 8870

Ion Ratio Lower Upper

88 100

43 42.3 27.7 41.5#

58 63.1 53.8 80.6



#50

Toluene-d8

Concen: 53.358 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064833.D

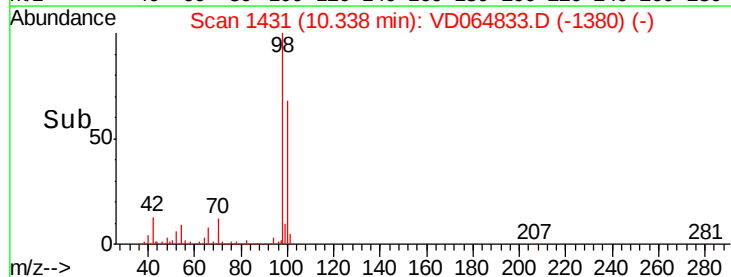
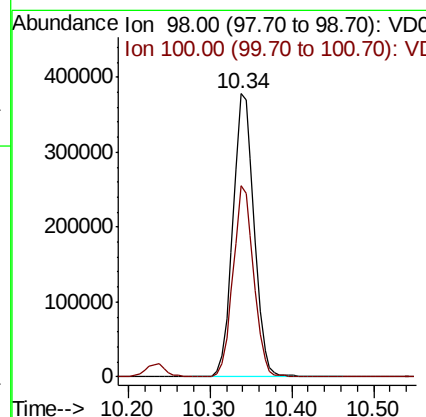
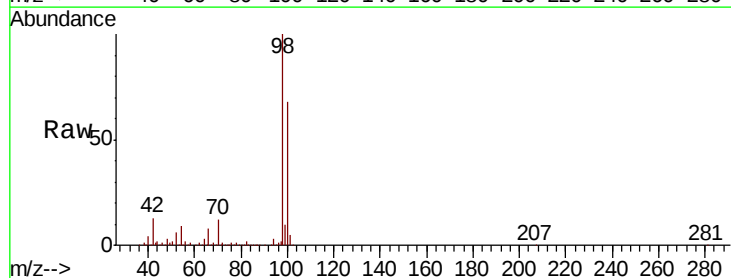
Acq: 10 Jan 2020 15:12

Tgt Ion: 98 Resp: 683313

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 96.885 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

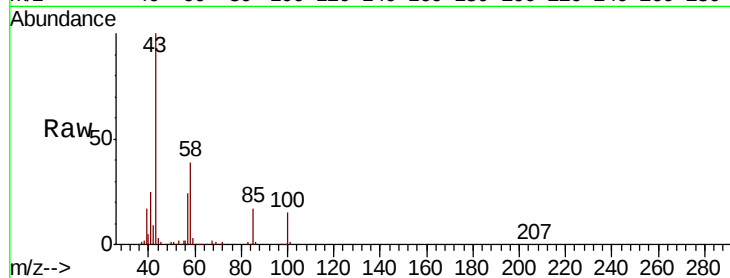
VD0110SBS01

Tot Ion: 43 Resp: 196429

Ion Ratio Lower Upper

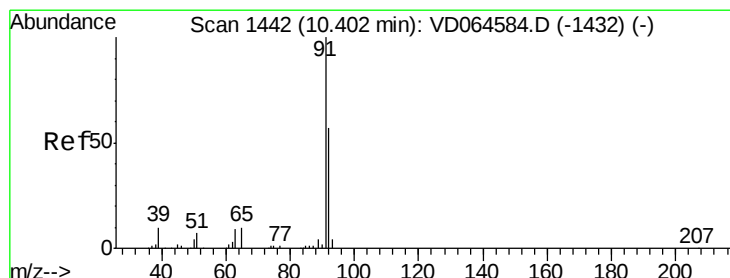
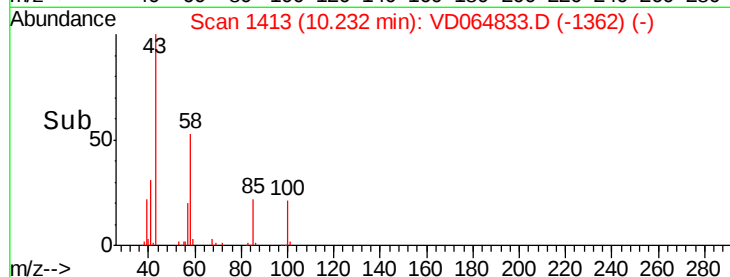
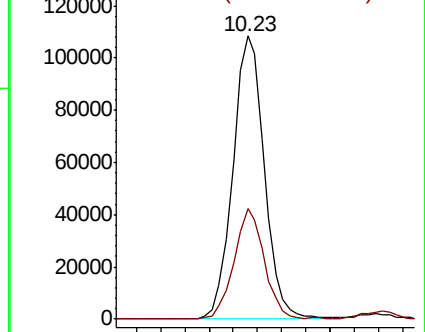
43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.264 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064833.D

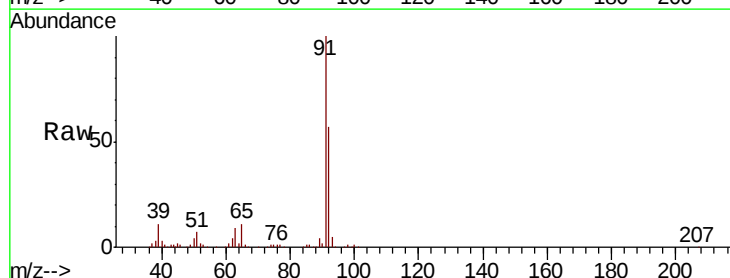
Acq: 10 Jan 2020 15:12

Tgt Ion: 92 Resp: 190381

Ion Ratio Lower Upper

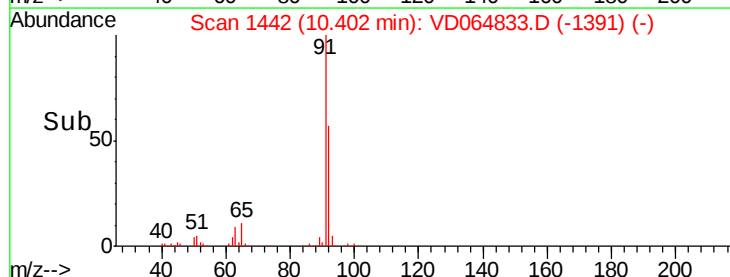
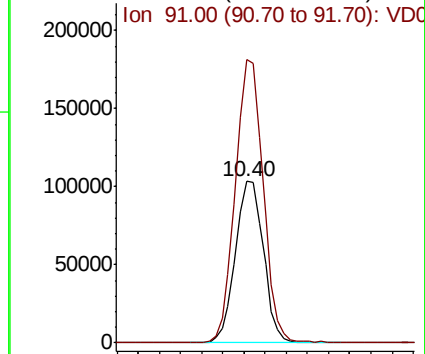
92 100

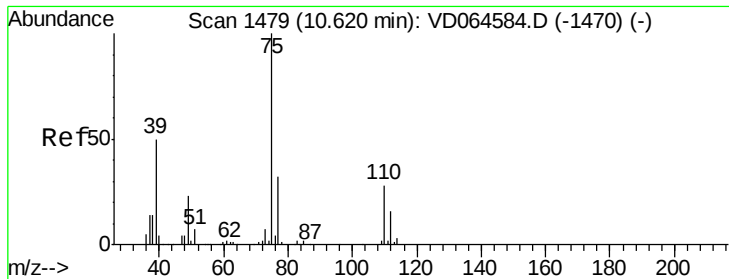
91 173.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.893 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

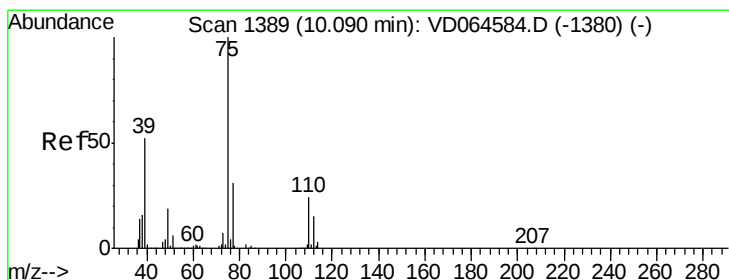
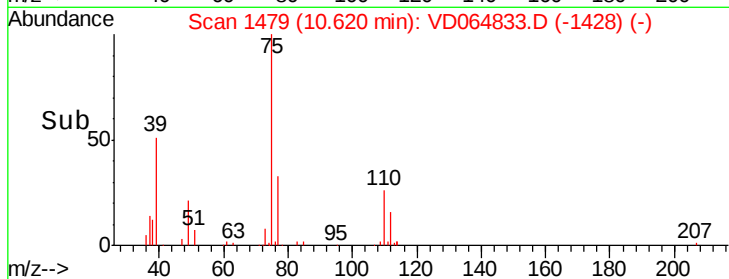
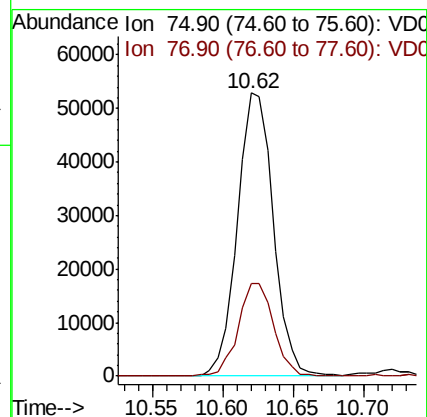
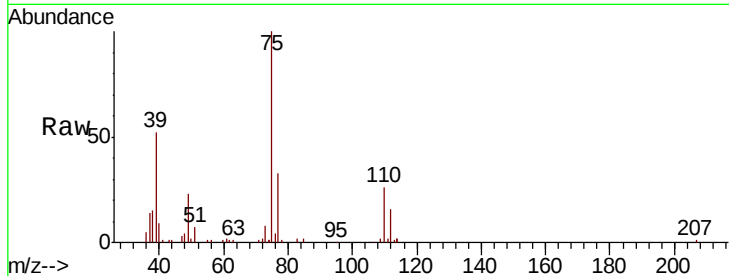
VD0110SBS01

Tot Ion: 75 Resp: 94079

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.102 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

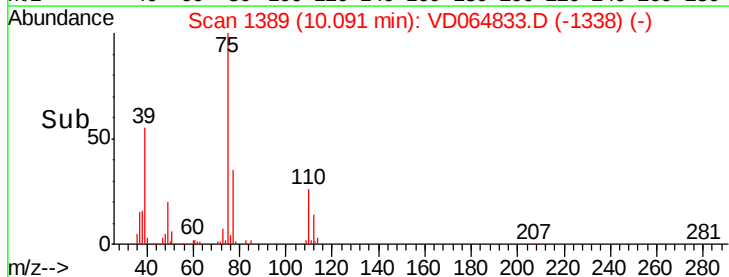
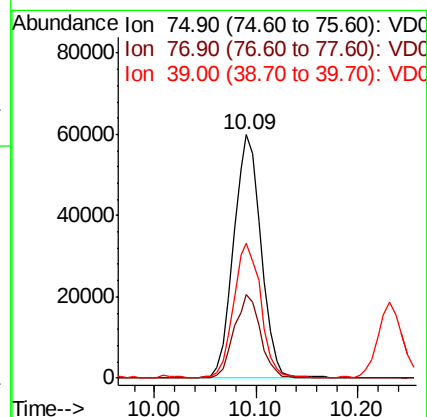
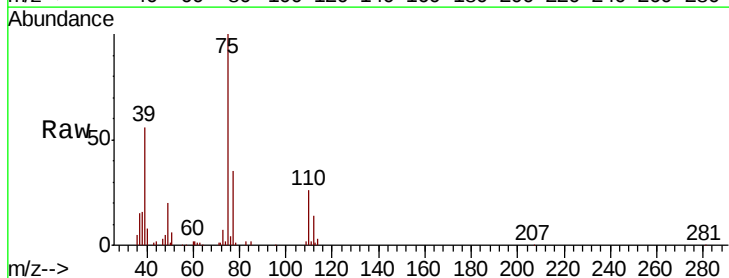
Tgt Ion: 75 Resp: 112097

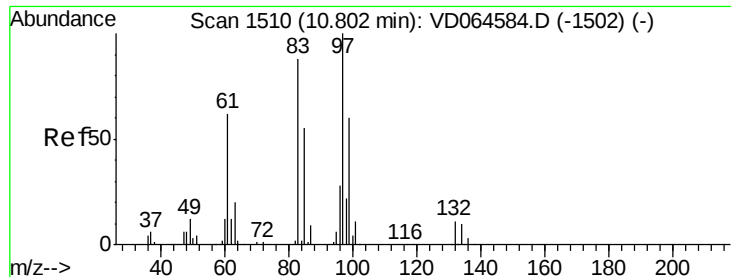
Ion Ratio Lower Upper

75 100

77 34.5 24.6 36.8

39 55.3 41.4 62.2

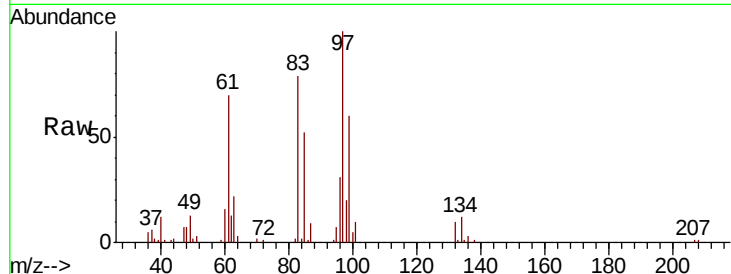




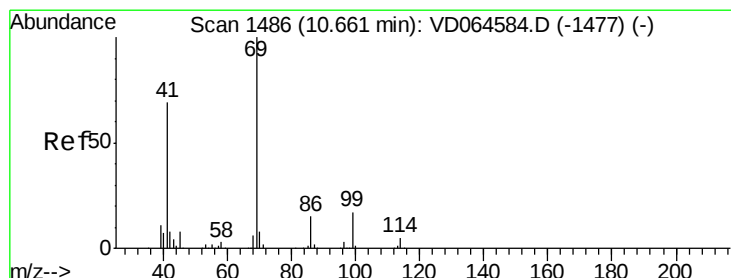
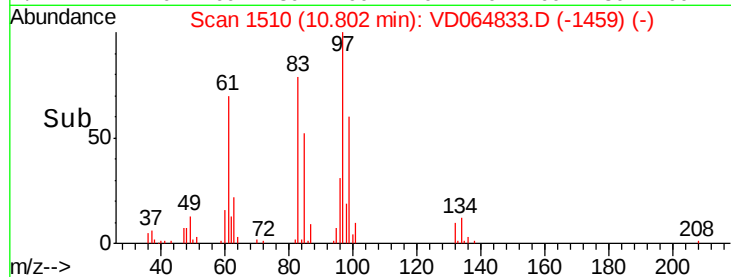
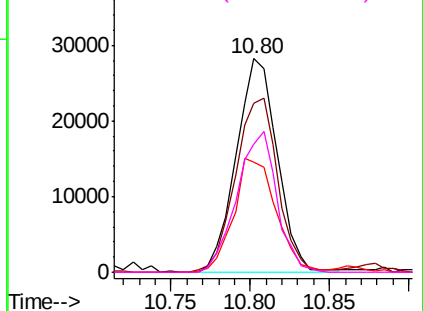
#55
 1,1,2-Trichloroethane
 Concen: 19.825 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion:	97	Resp:	50931
Ion	Ratio	Lower	Upper
97	100		
83	79.1	70.2	105.4
85	51.5	44.0	66.0
99	60.1	47.8	71.6

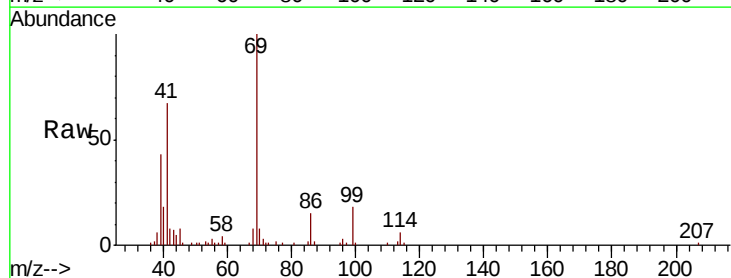


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

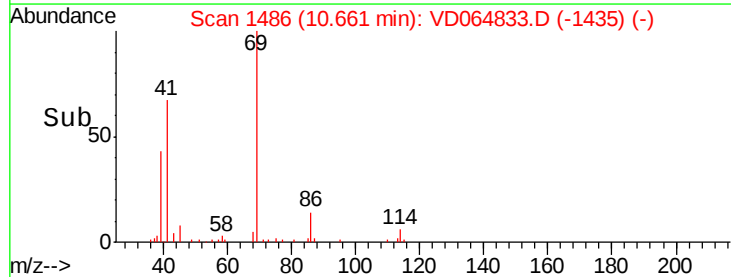
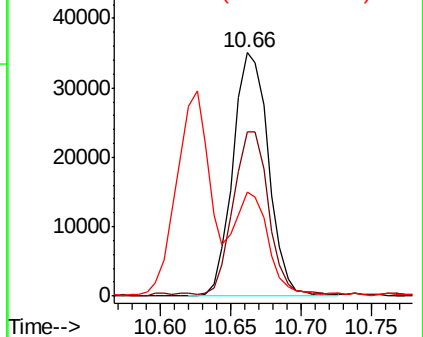


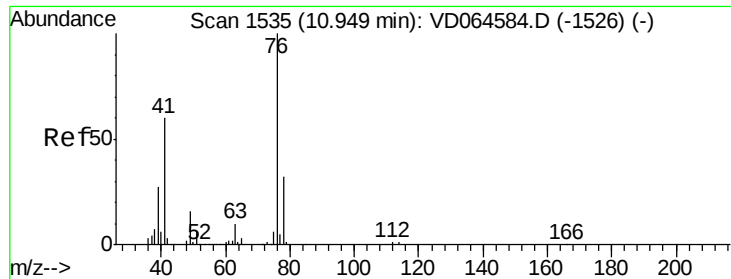
#56
 Ethyl methacrylate
 Concen: 19.306 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion:	69	Resp:	61941
Ion	Ratio	Lower	Upper
69	100		
41	66.6	55.3	82.9
39	39.7	33.8	50.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

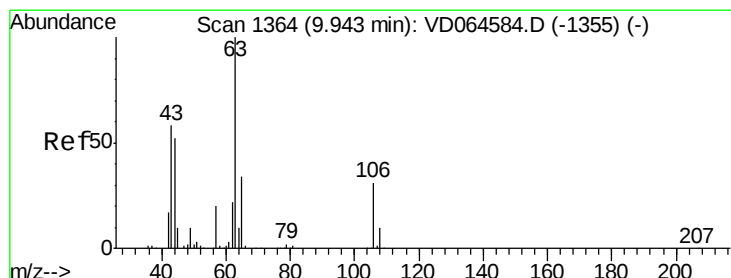
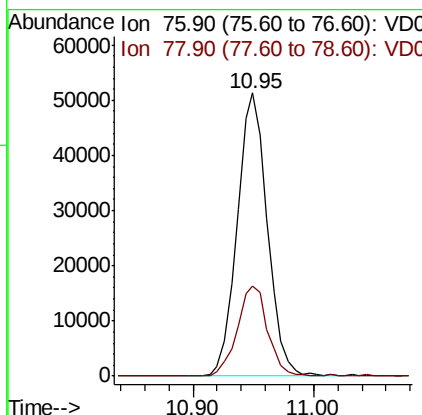
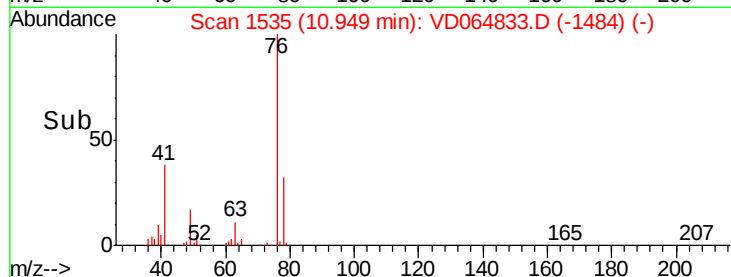
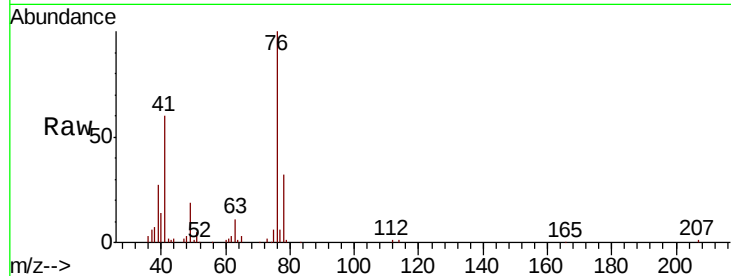




#57
 1,3-Dichloropropane
 Concen: 20.141 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

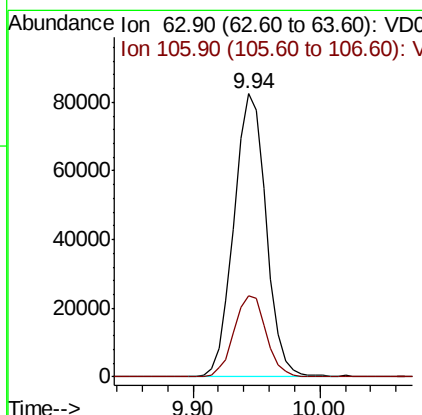
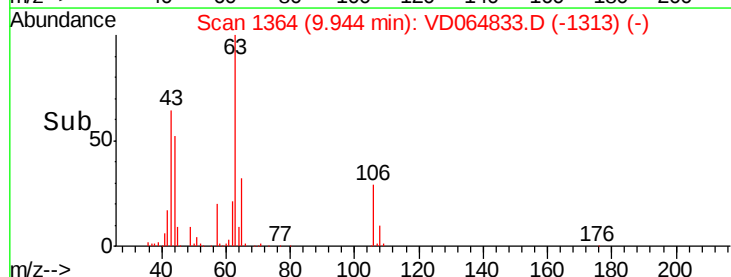
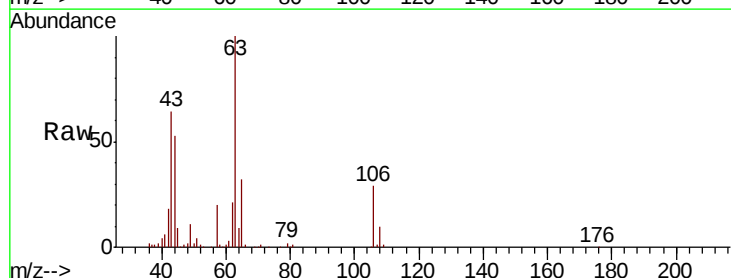
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

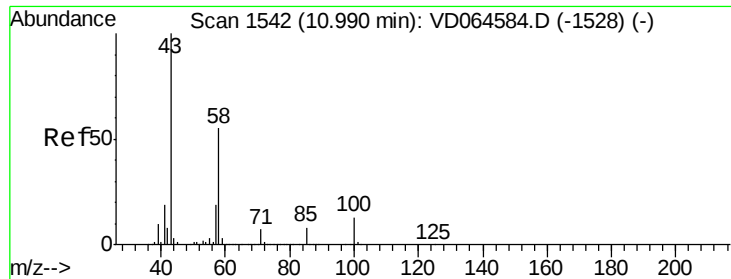
Tot Ion: 76 Resp: 89090
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.851 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion: 63 Resp: 145280
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.8 35.8

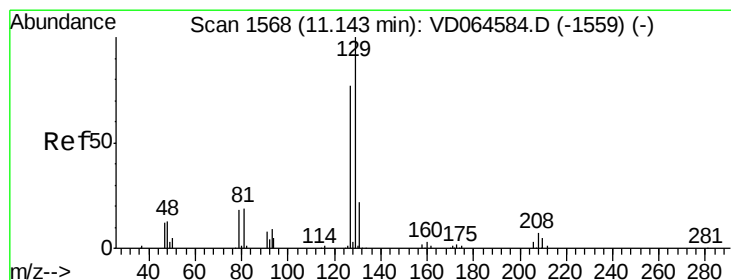
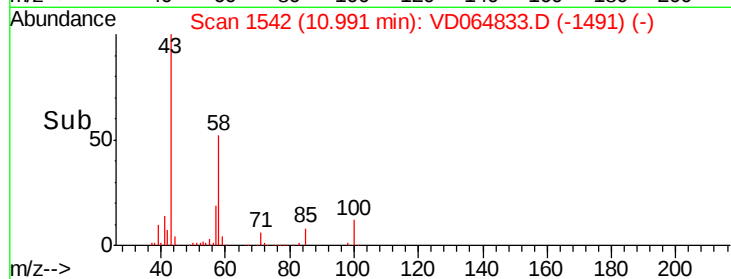
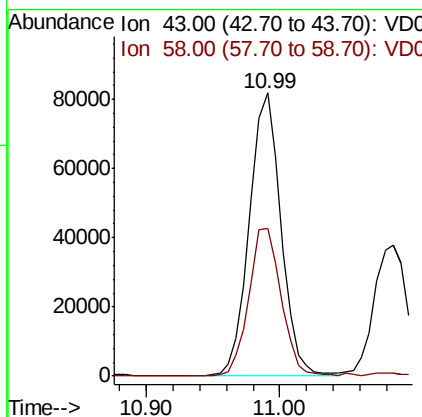
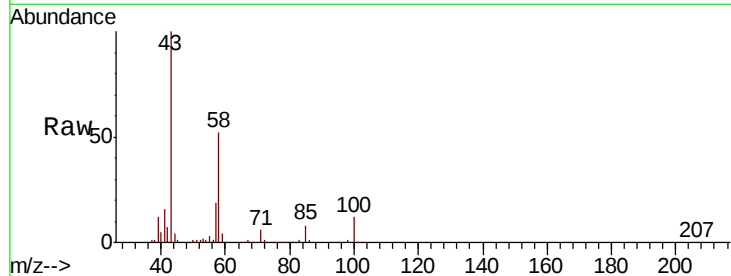




#59
2-Hexanone
Concen: 97.507 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

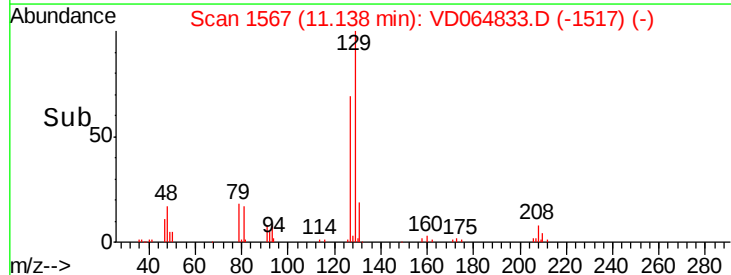
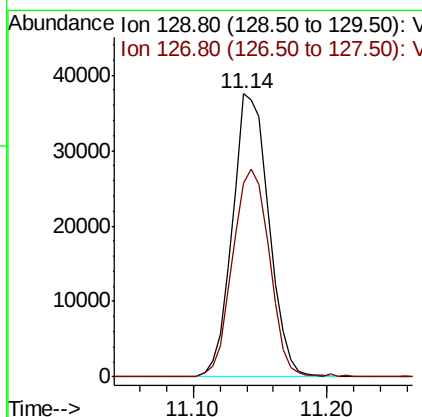
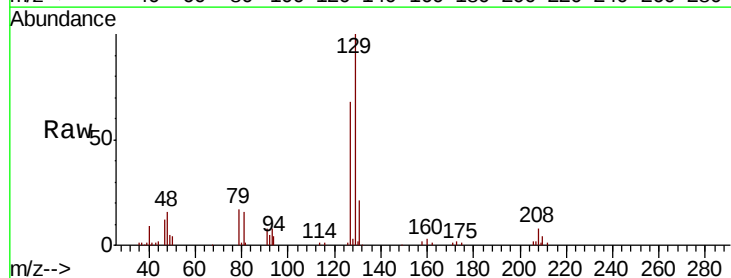
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

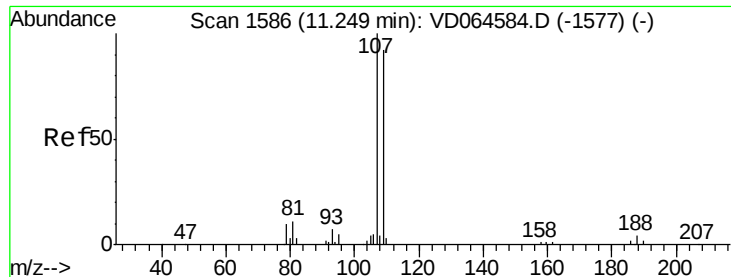
Tot Ion: 43 Resp: 134176
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 129 Resp: 70925
Ion Ratio Lower Upper
129 100
127 74.2 38.4 115.2

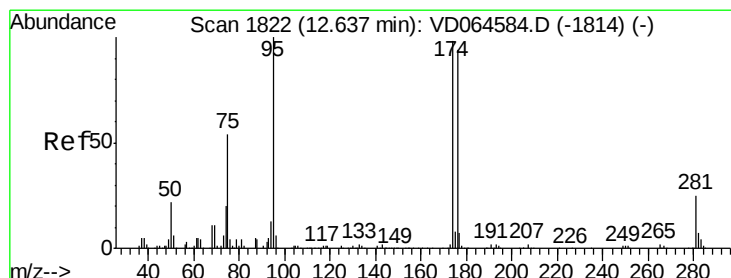
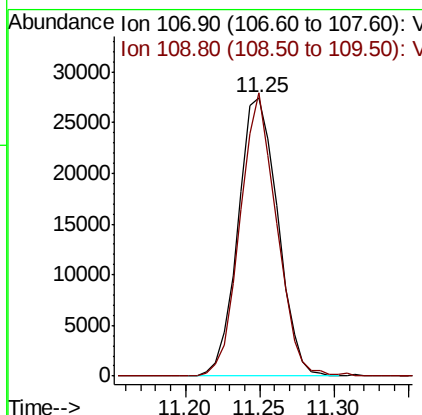
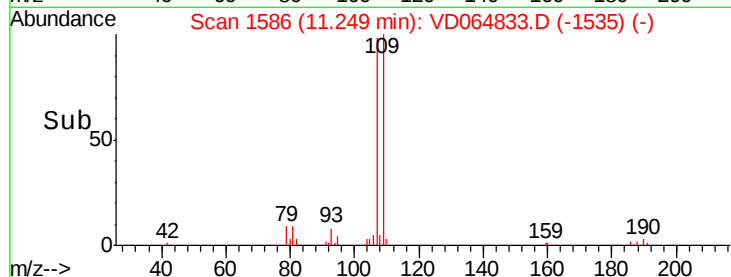
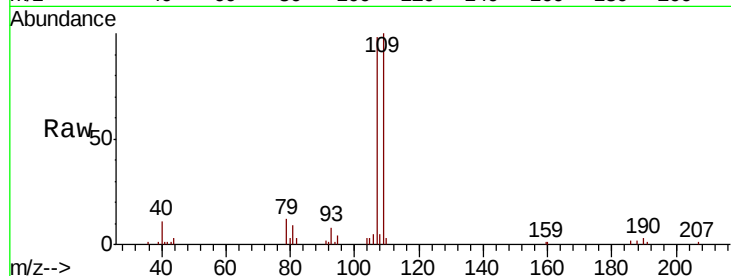




#61
1,2-Dibromoethane
Concen: 19.978 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

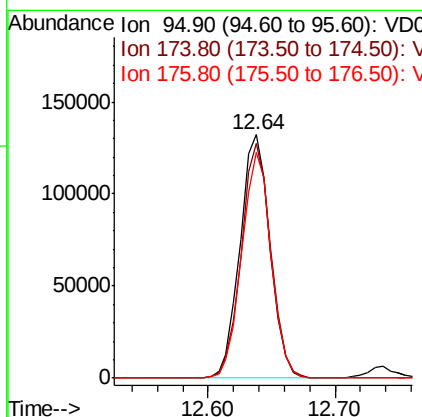
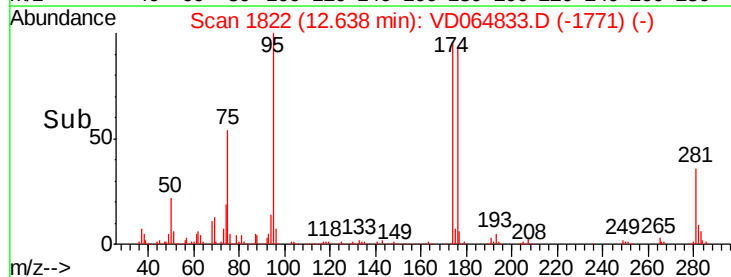
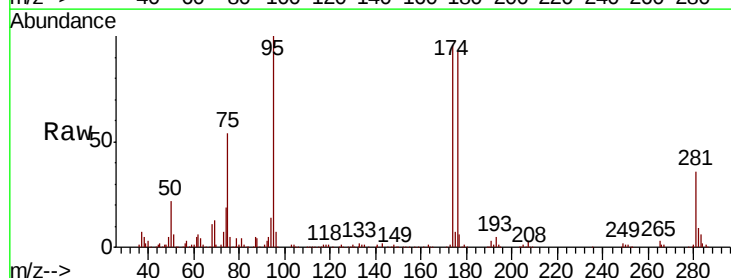
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

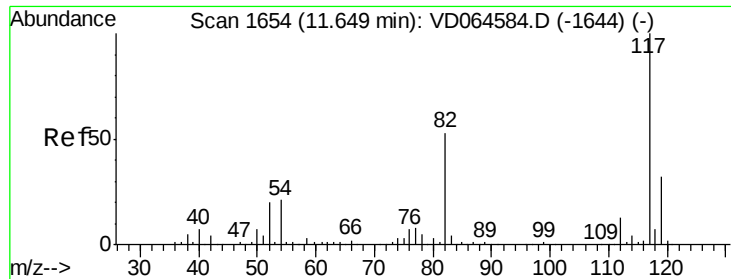
Tot Ion:107 Resp: 50622
Ion Ratio Lower Upper
107 100
109 93.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 53.558 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 95 Resp: 216880
Ion Ratio Lower Upper
95 100
174 94.8 0.0 193.2
176 90.7 0.0 184.2

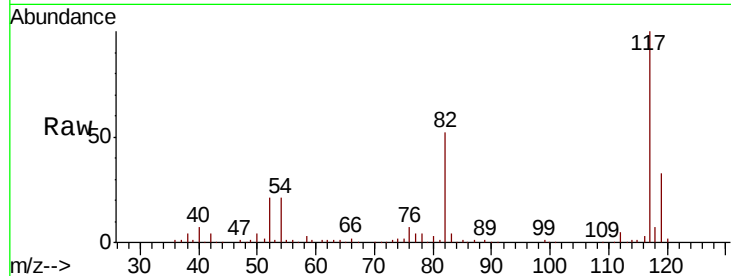




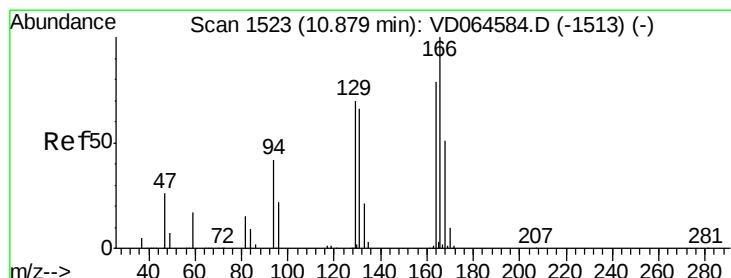
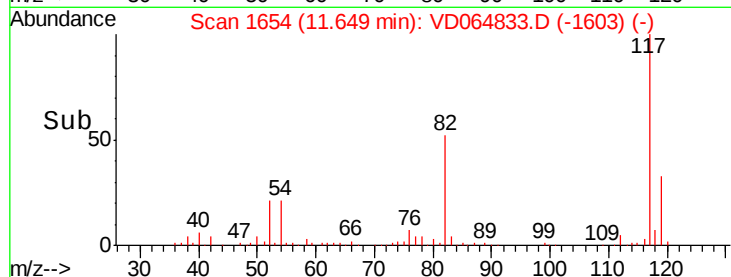
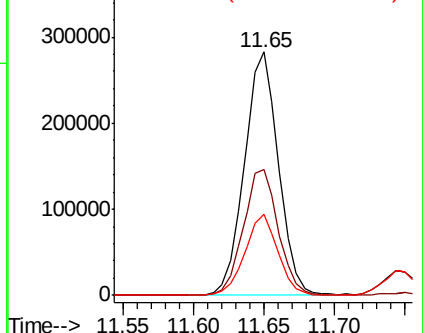
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:117 Resp: 475750
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.4
119 33.1 26.0 39.0

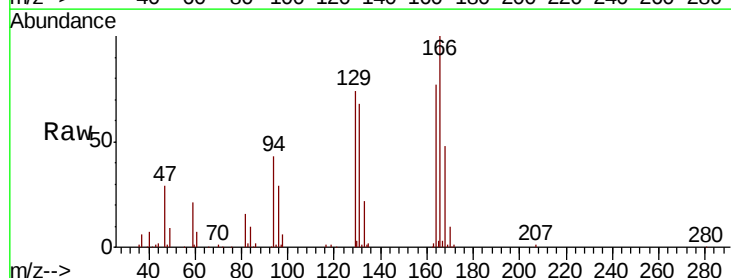


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

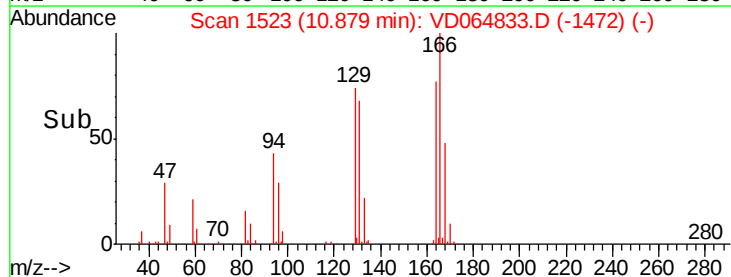
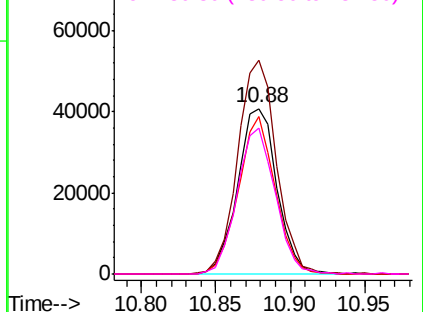


#64
Tetrachloroethene
Concen: 20.369 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion:164 Resp: 74345
Ion Ratio Lower Upper
164 100
166 129.0 101.3 151.9
129 95.5 70.5 105.7
131 88.0 66.6 99.8



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

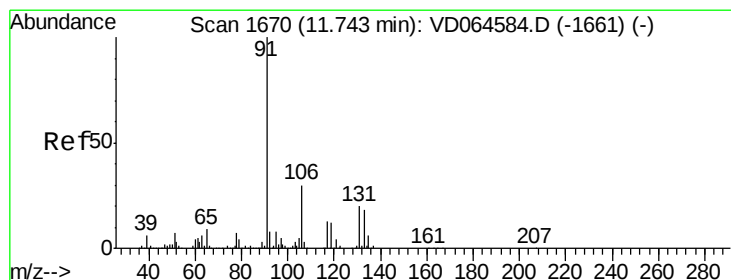
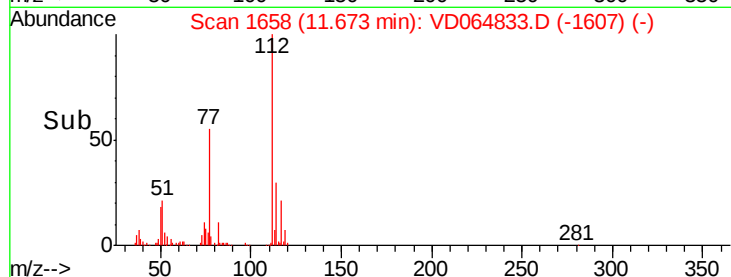
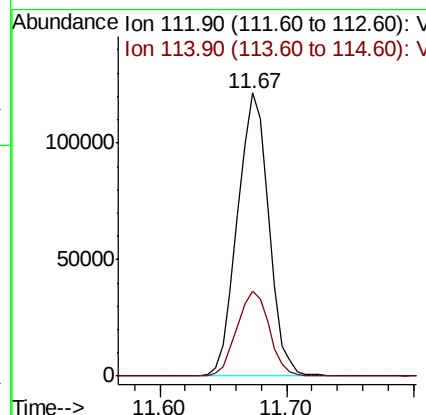
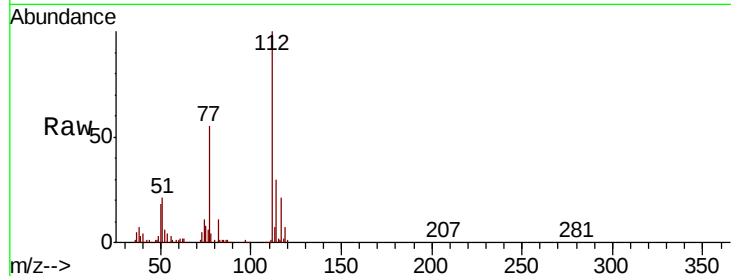




#65
Chlorobenzene
Concen: 21.011 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

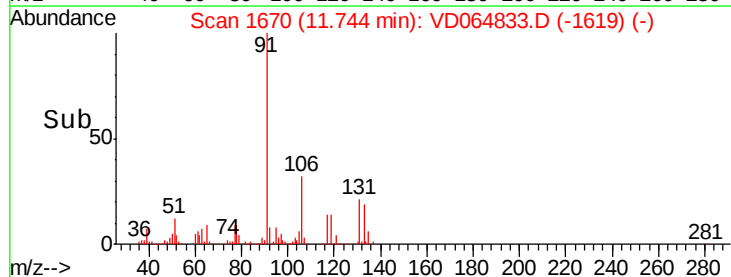
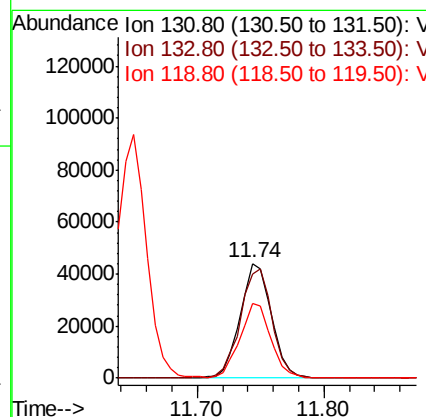
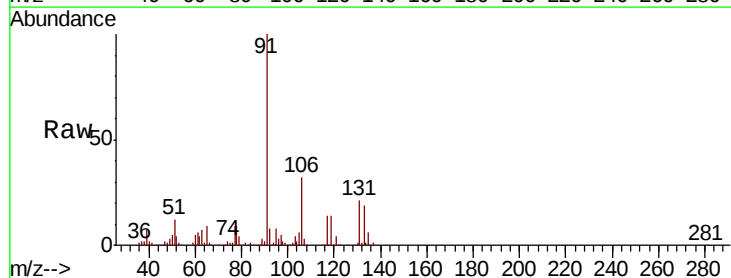
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:112 Resp: 207466
Ion Ratio Lower Upper
112 100
114 30.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.159 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion:131 Resp: 75041
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 64.6 32.1 96.3





#67

Ethyl Benzene

Concen: 20.004 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

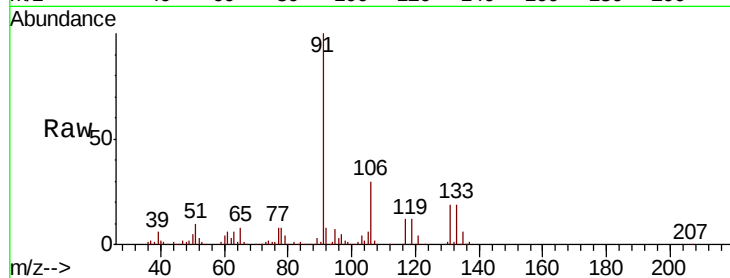
VD0110SBS01

Tot Ion: 91 Resp: 358521

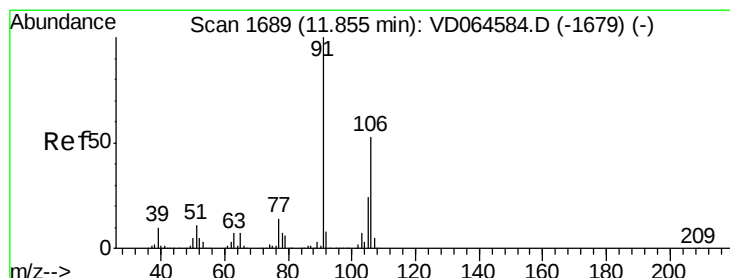
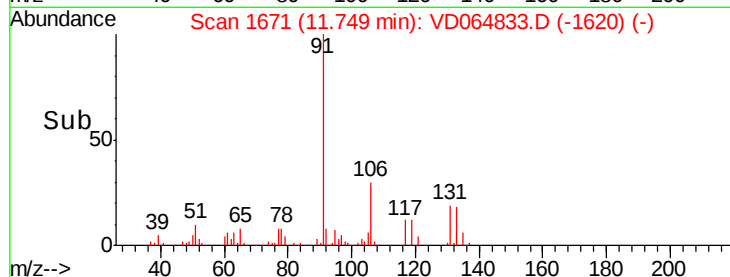
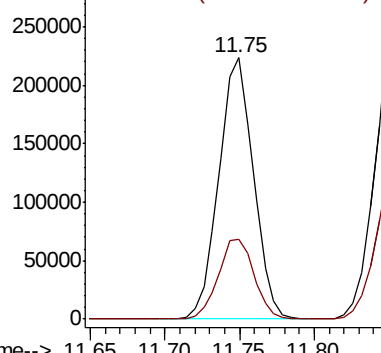
Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 39.662 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064833.D

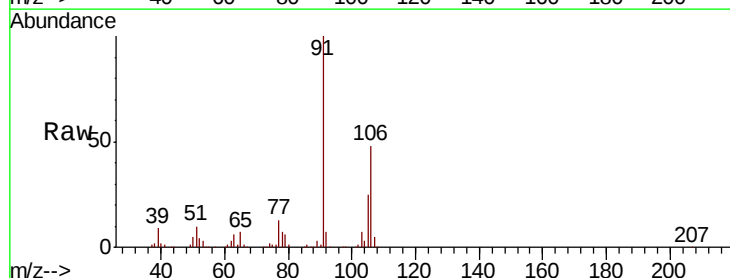
Acq: 10 Jan 2020 15:12

Tgt Ion: 106 Resp: 274362

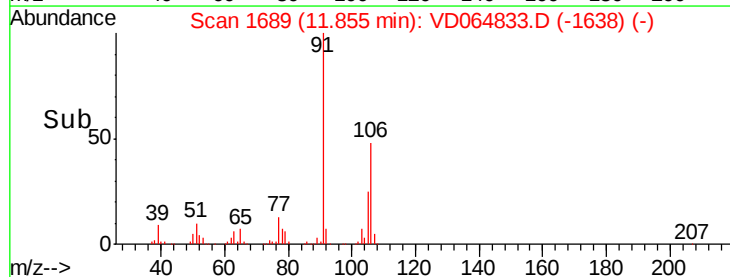
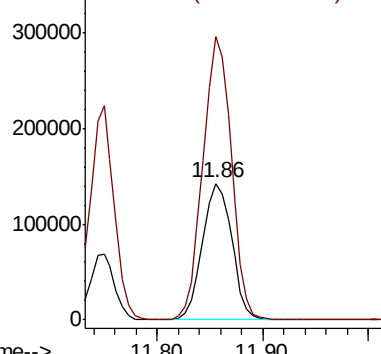
Ion Ratio Lower Upper

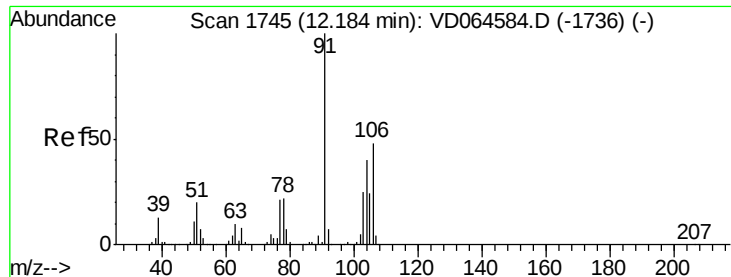
106 100

91 201.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

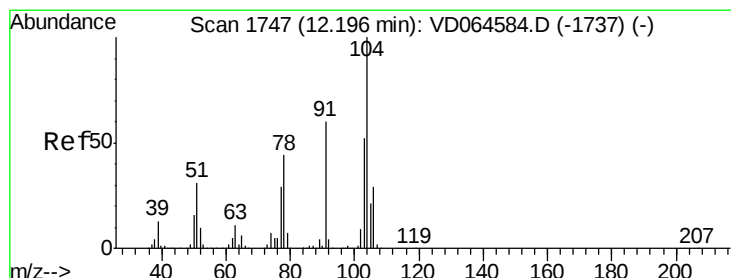
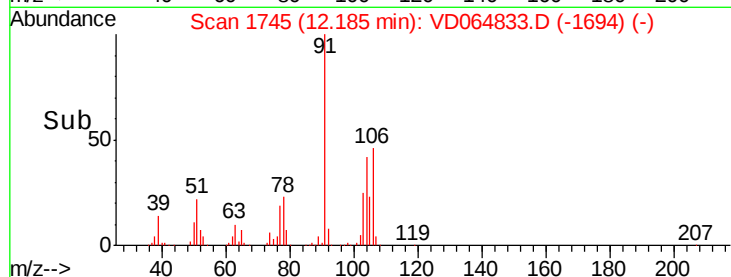
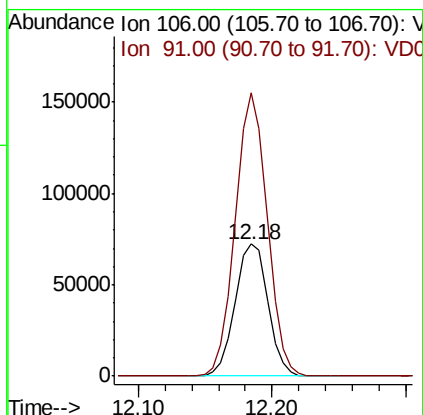
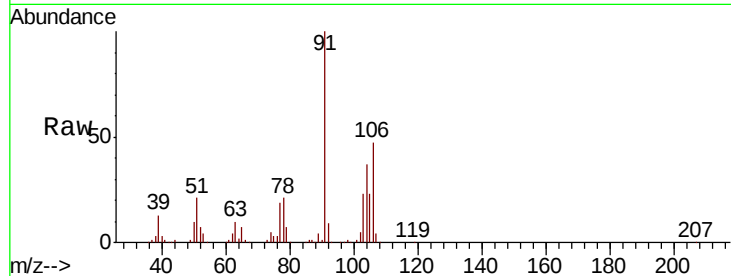




#69
o-Xylene
Concen: 19.726 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

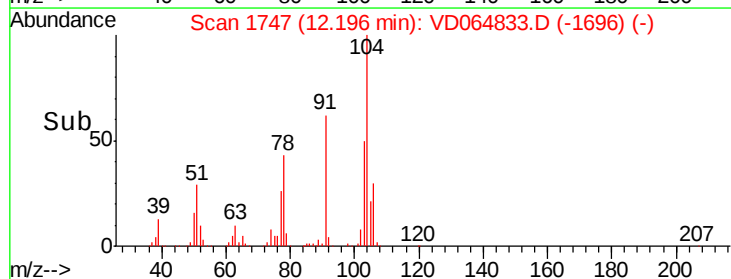
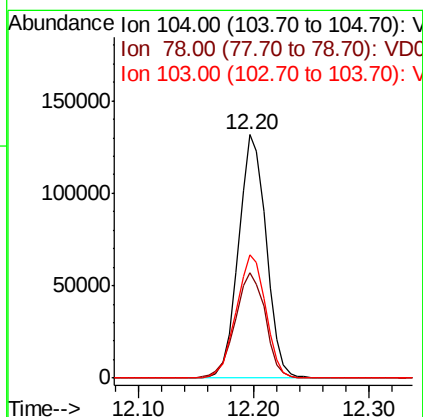
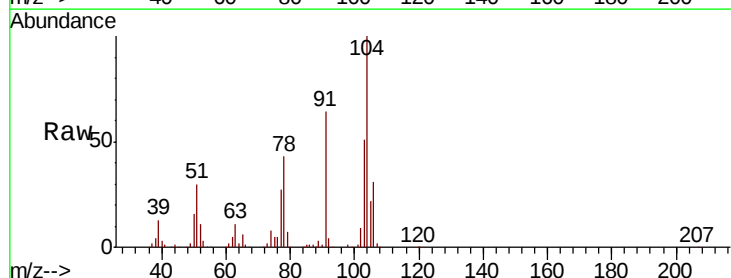
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

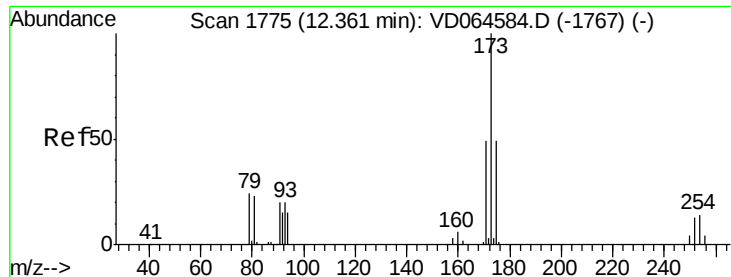
Tot Ion:106 Resp: 123255
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4



#70
Styrene
Concen: 19.972 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion:104 Resp: 219045
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 53.9 44.6 67.0





#71

Bromoform

Concen: 19.371 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

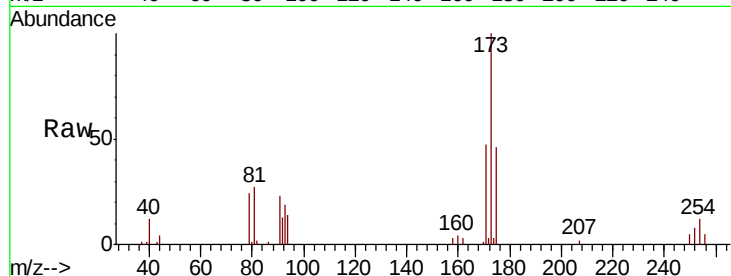
Tot Ion:173 Resp: 41120

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

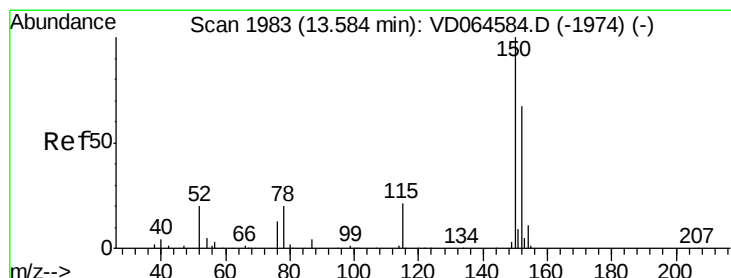
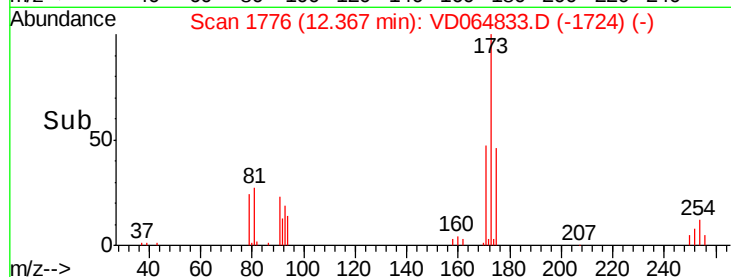
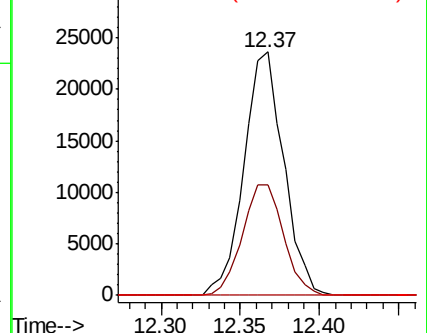
254 0.0 0.1 0.1#



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: VD064833.D

Acq: 10 Jan 2020 15:12

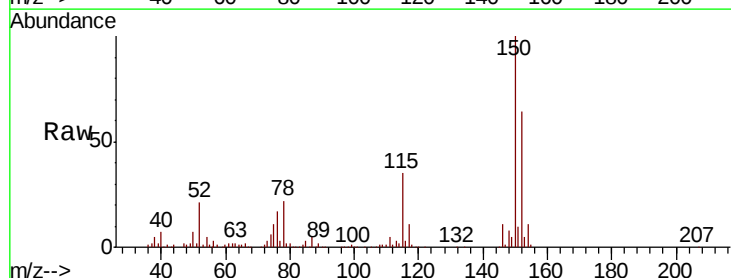
Tgt Ion:152 Resp: 239067

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

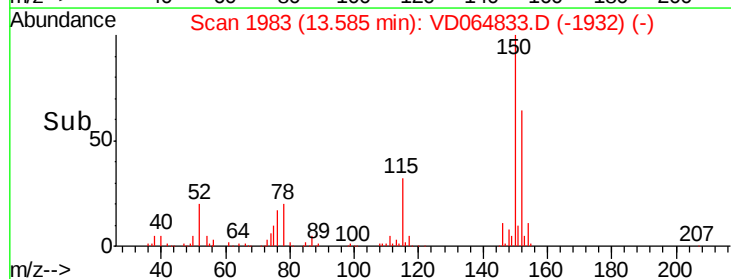
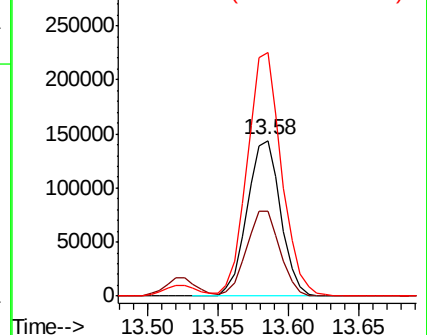
150 160.1 0.0 351.4

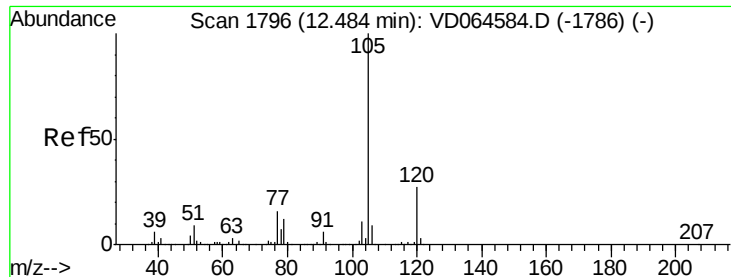


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.181 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

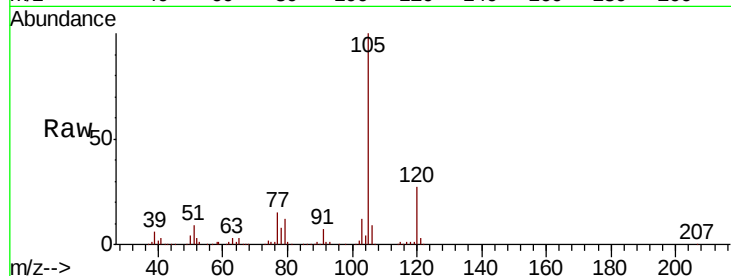
VD0110SBS01

Tot Ion:105 Resp: 344775

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

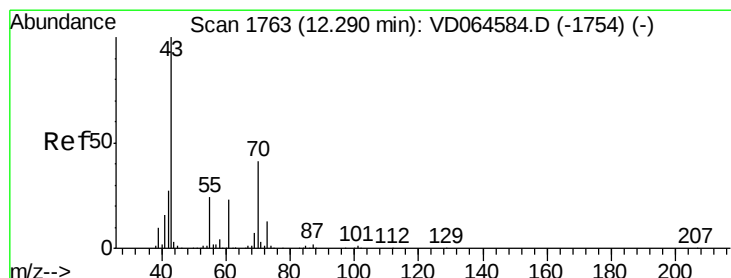
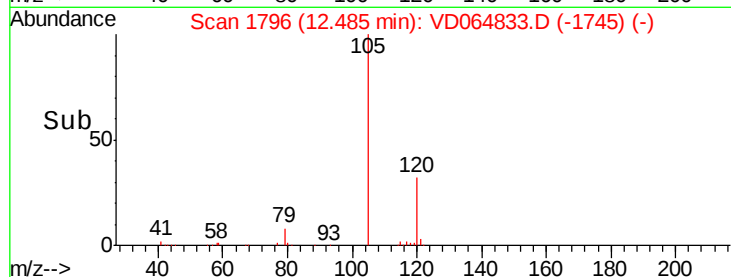
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.783 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion: 43 Resp: 68596

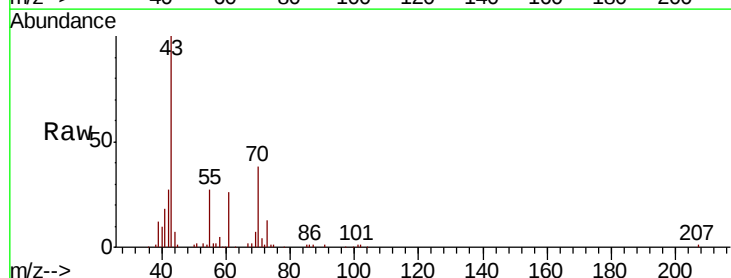
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 26.8 19.4 29.0

61 23.5 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

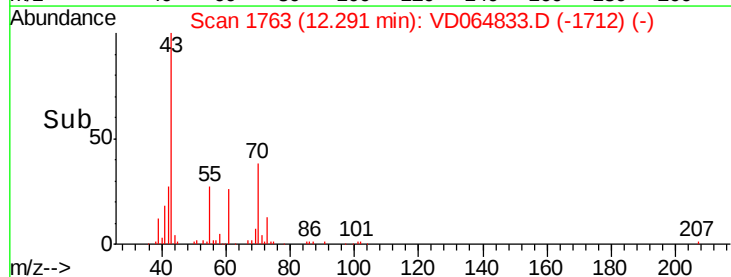
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

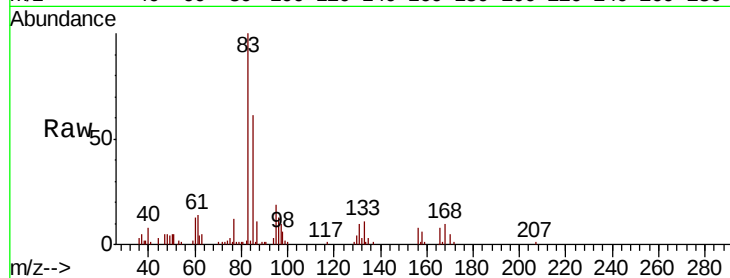
Tot Ion: 83 Resp: 53038

Ion Ratio Lower Upper

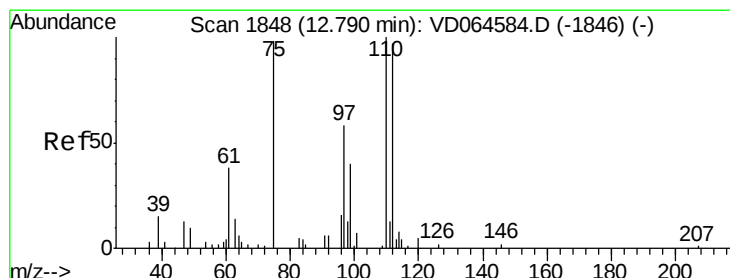
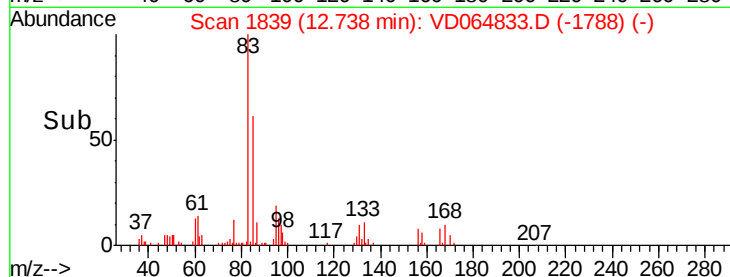
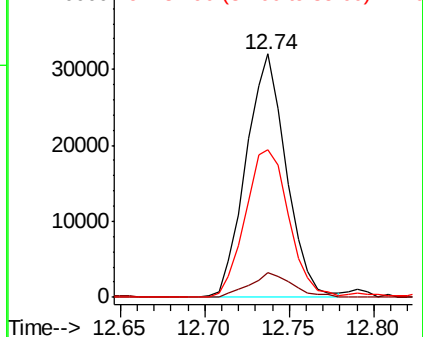
83 100

131 10.8 5.8 17.4

85 65.7 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: 38.575 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064833.D

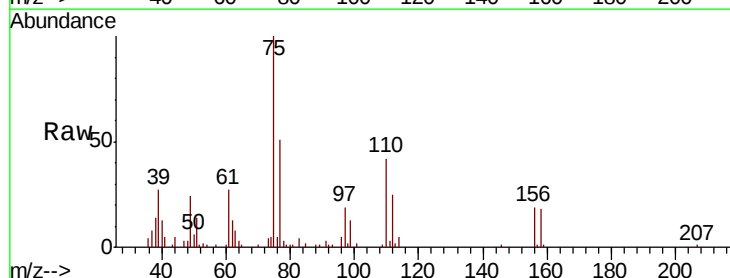
Acq: 10 Jan 2020 15:12

Tgt Ion: 75 Resp: 72822

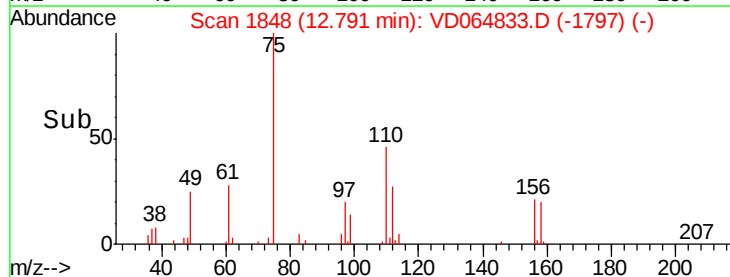
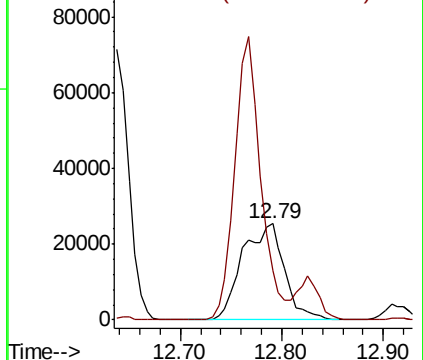
Ion Ratio Lower Upper

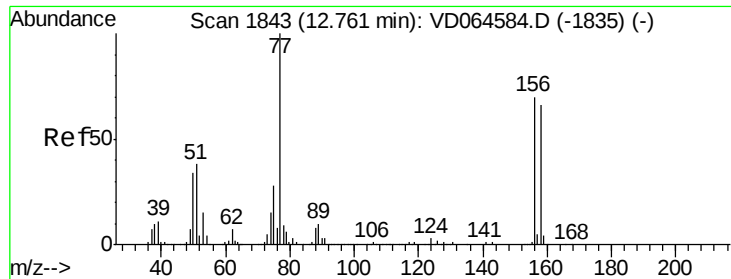
75 100

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: 19.995 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

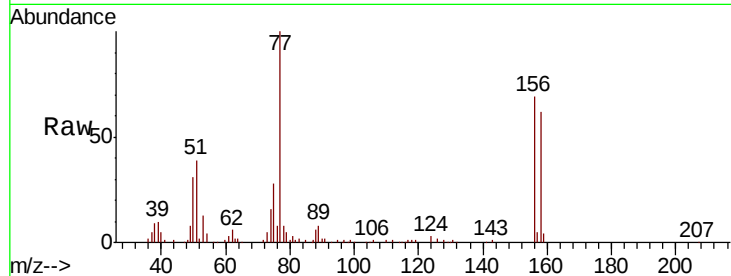
Tot Ion:156 Resp: 83934

Ion Ratio Lower Upper

156 100

77 160.4 80.9 242.7

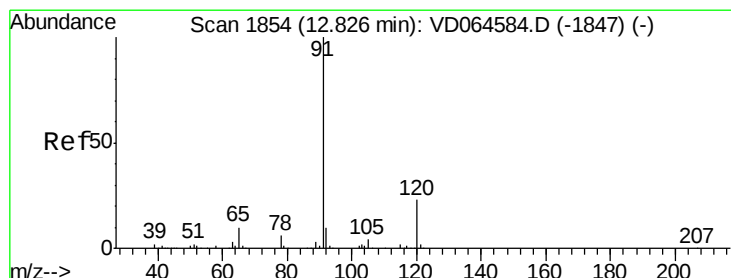
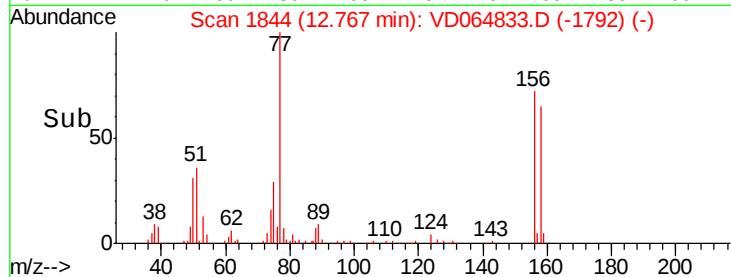
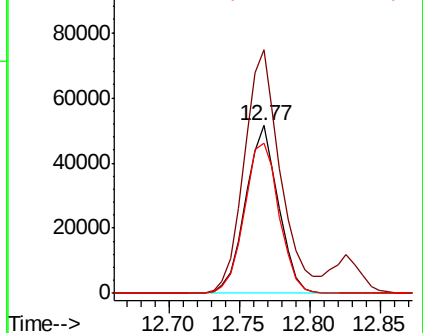
158 94.5 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.502 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064833.D

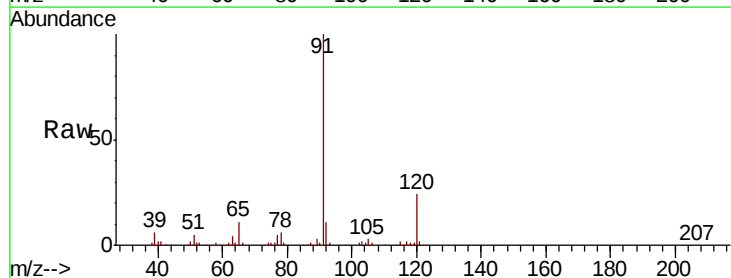
Acq: 10 Jan 2020 15:12

Tgt Ion: 91 Resp: 408622

Ion Ratio Lower Upper

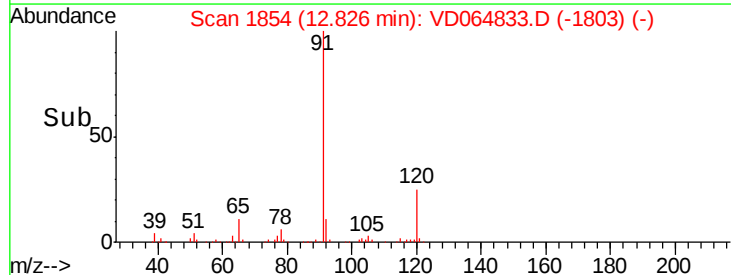
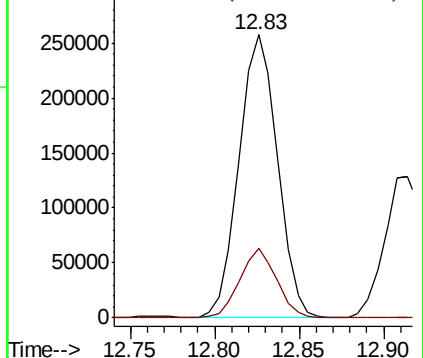
91 100

120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.901 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

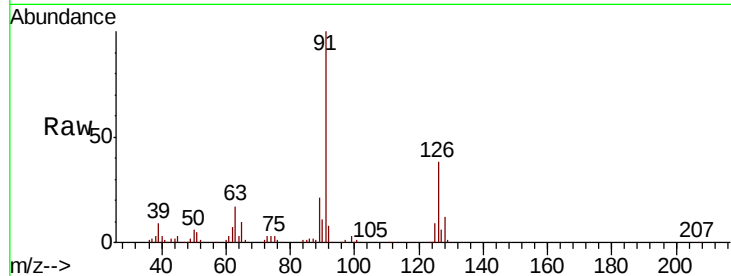
VD0110SBS01

Tot Ion: 91 Resp: 217898

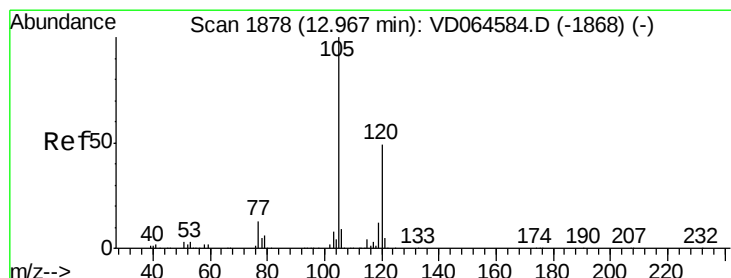
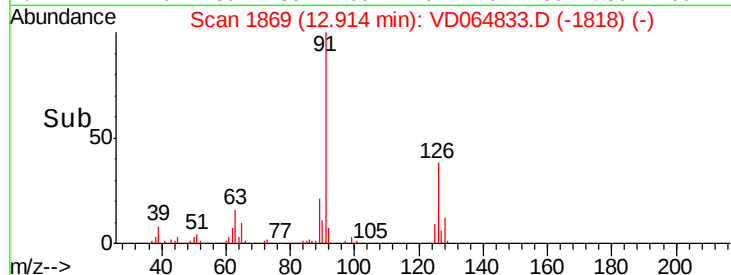
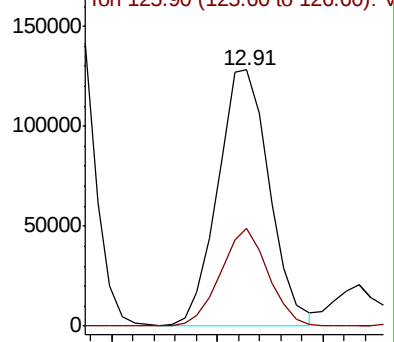
Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.107 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064833.D

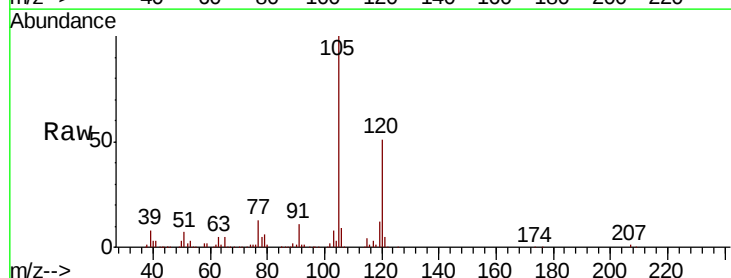
Acq: 10 Jan 2020 15:12

Tgt Ion:105 Resp: 282181

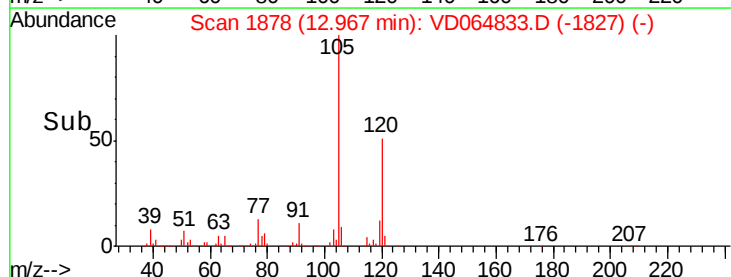
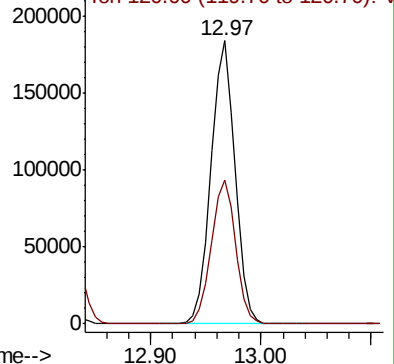
Ion Ratio Lower Upper

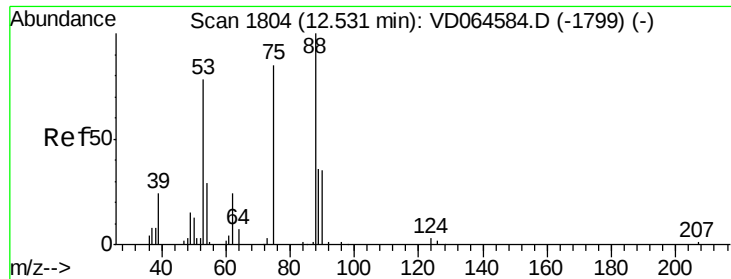
105 100

120 51.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

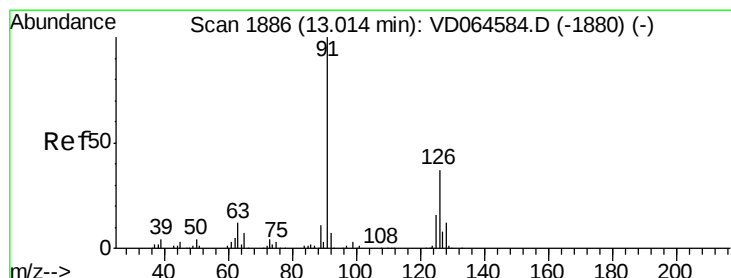
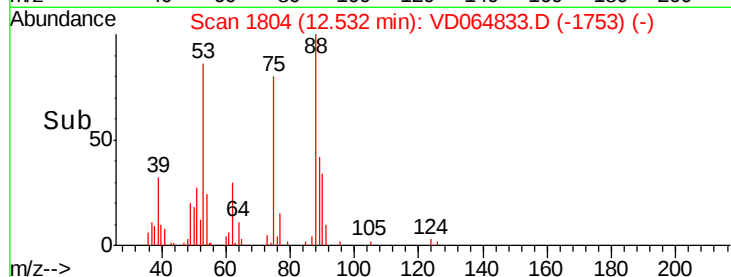
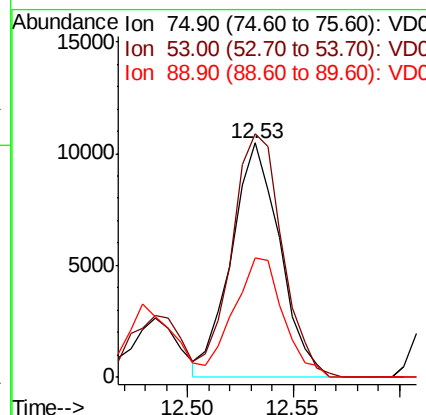
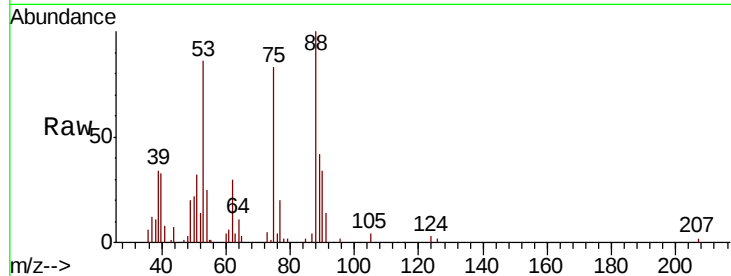




#81
trans-1,4-Dichloro-2-butene
Concen: 18.539 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

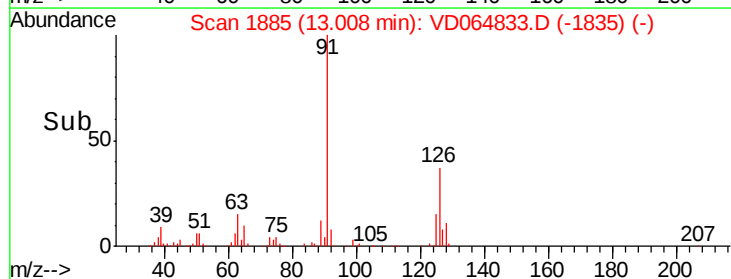
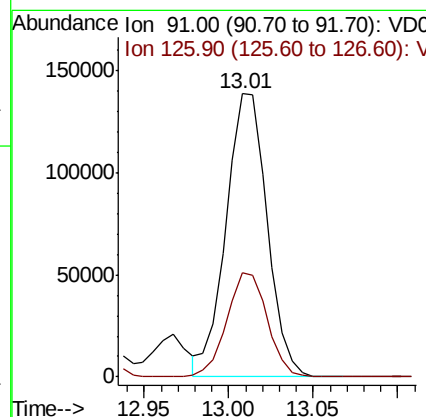
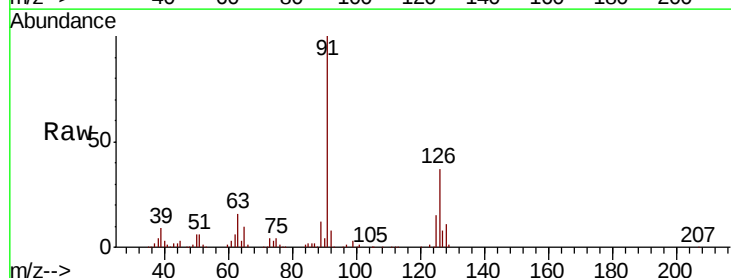
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

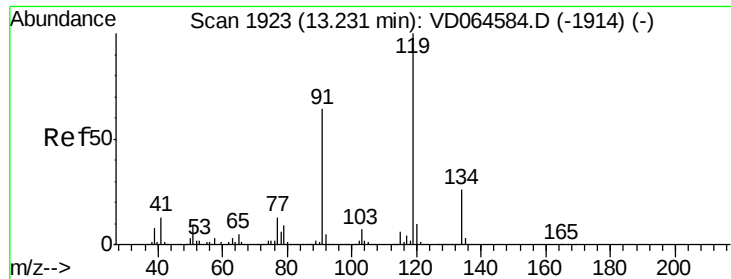
Tot Ion: 75 Resp: 16734
Ion Ratio Lower Upper
75 100
53 107.8 78.8 118.2
89 51.9 38.3 57.5



#82
4-Chlorotoluene
Concen: 20.182 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 91 Resp: 235149
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.5

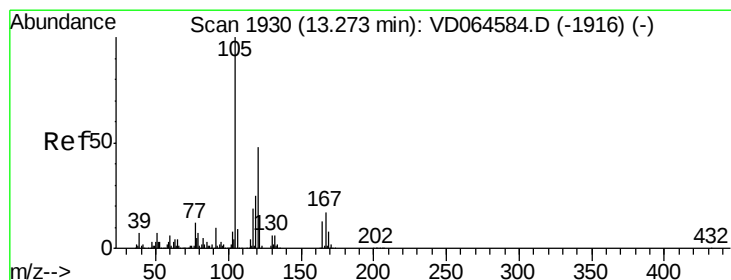
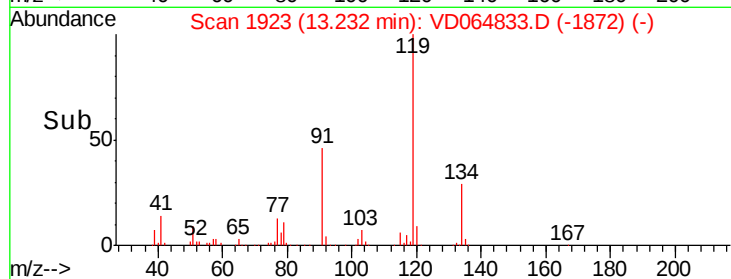
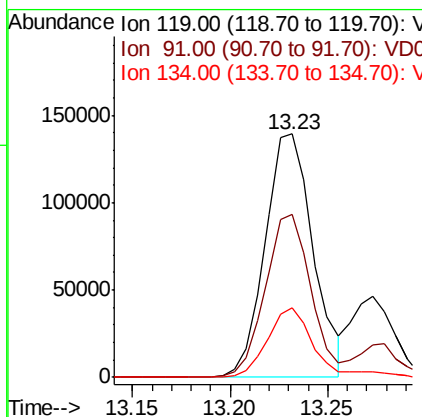
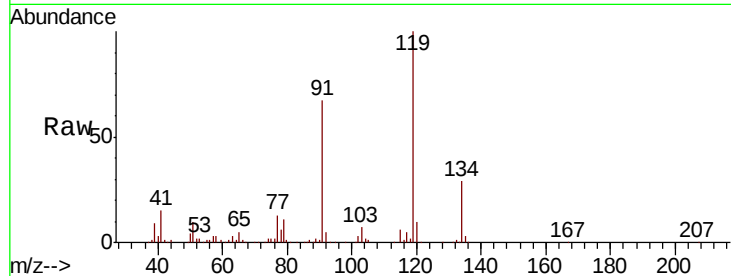




#83
tert-Butylbenzene
Concen: 19.565 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

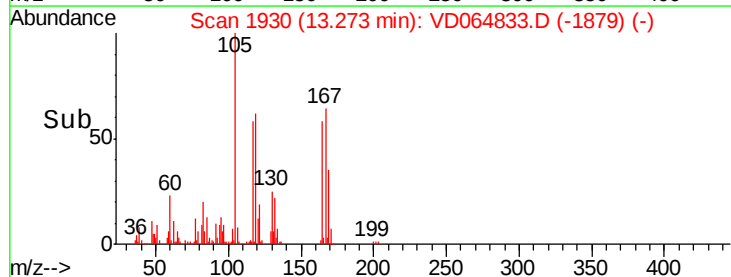
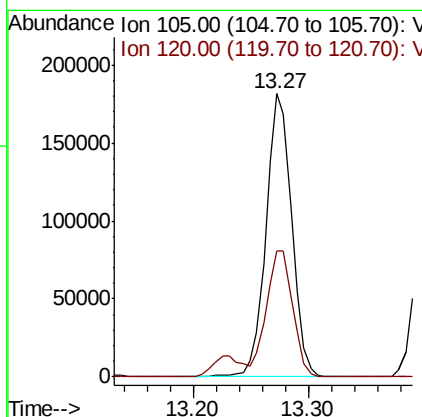
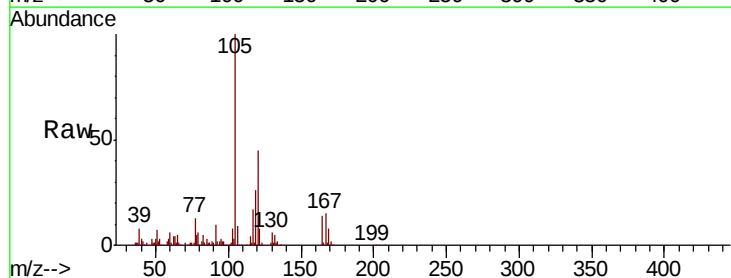
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:119 Resp: 238400
Ion Ratio Lower Upper
119 100
91 63.1 30.8 92.4
134 26.9 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion:105 Resp: 282195
Ion Ratio Lower Upper
105 100
120 45.7 23.8 71.2





#85

sec-Butylbenzene

Concen: 20.277 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

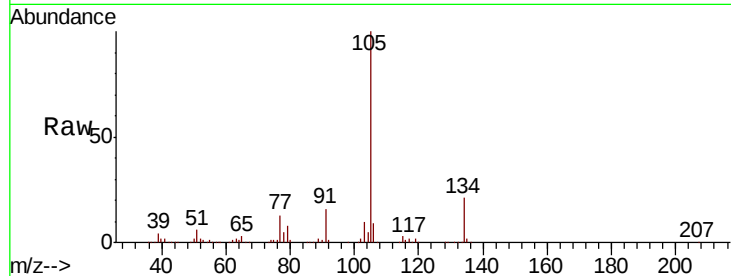
VD0110SBS01

Tot Ion:105 Resp: 338731

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

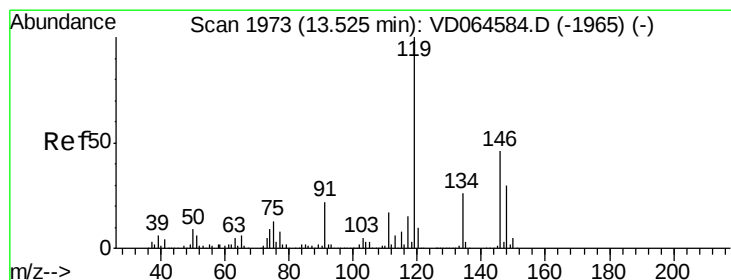
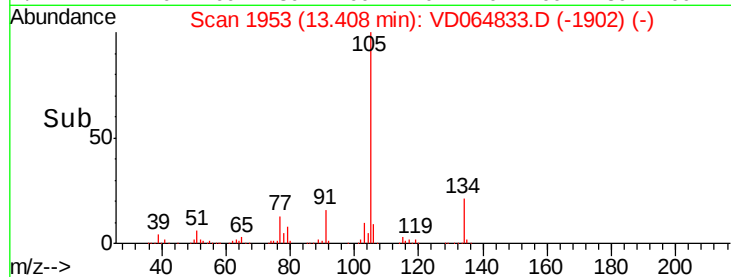
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 19.825 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

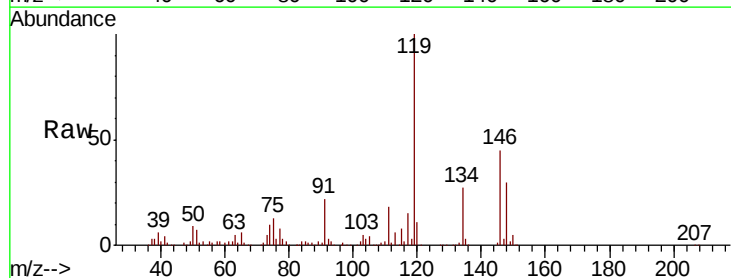
Tgt Ion:119 Resp: 316663

Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.1

91 22.8 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

250000

200000

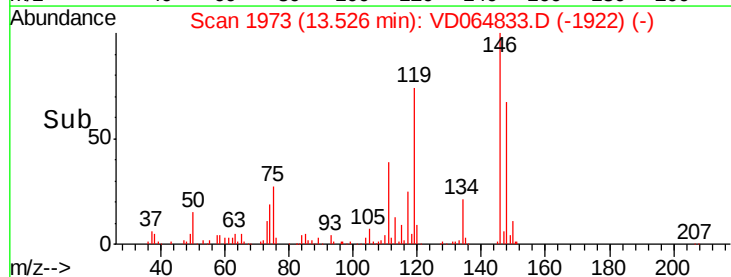
150000

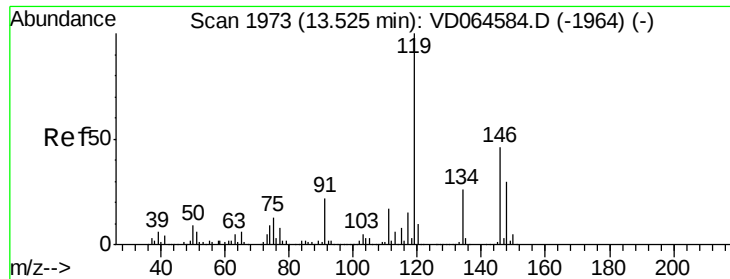
100000

50000

0

Time--> 13.50 13.60

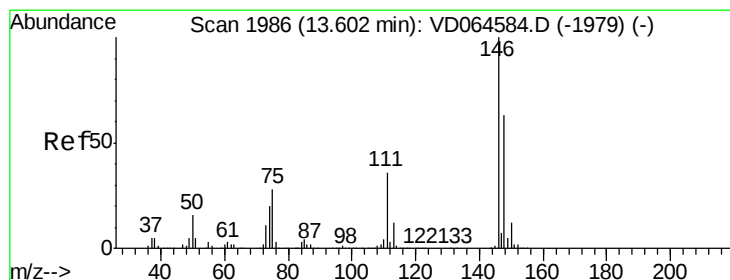
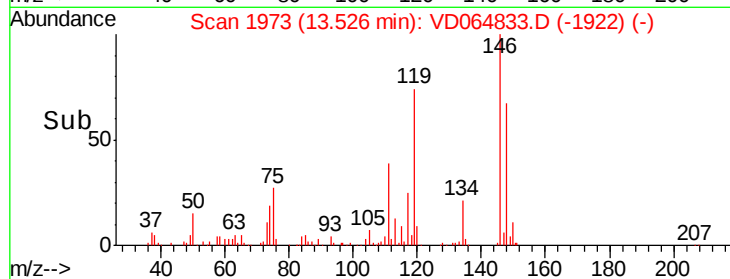
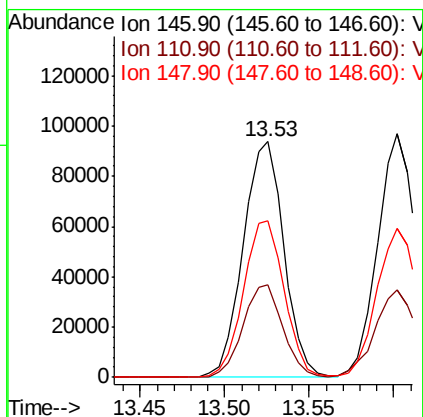
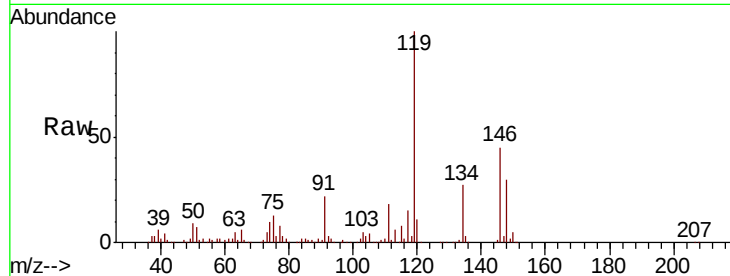




#87
 1,3-Dichlorobenzene
 Concen: 19.697 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

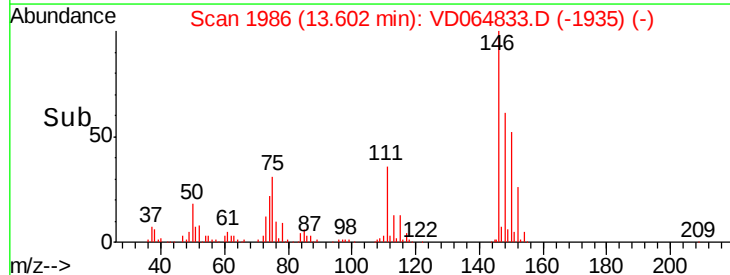
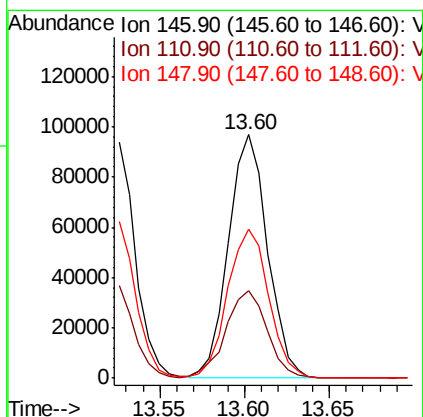
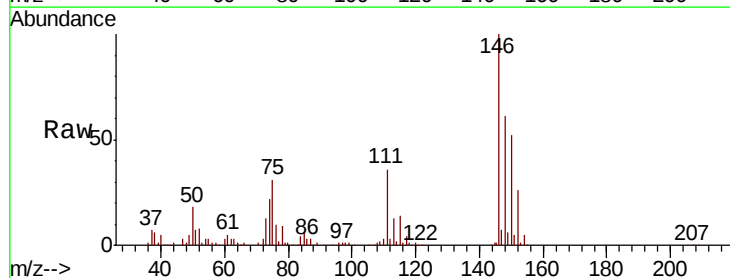
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

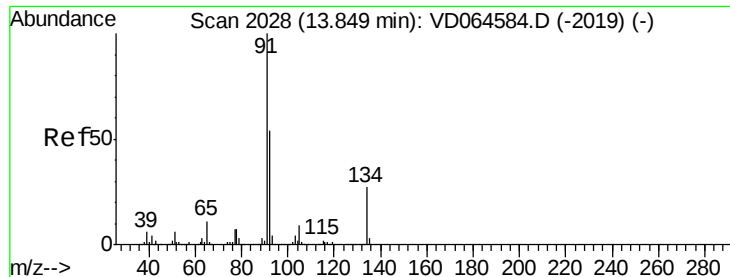
Tot Ion:146 Resp: 157626
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.4
 148 66.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.877 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion:146 Resp: 156265
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.1
 148 64.3 32.3 96.9

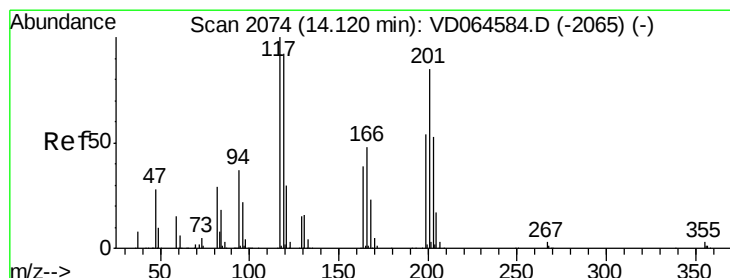
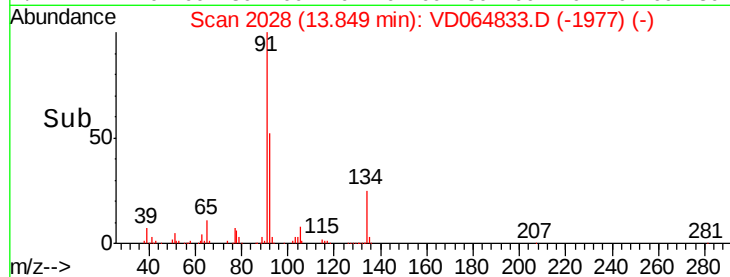
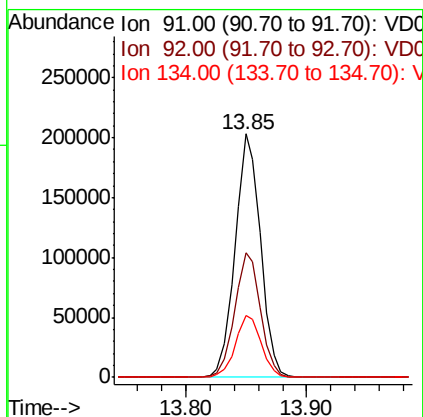
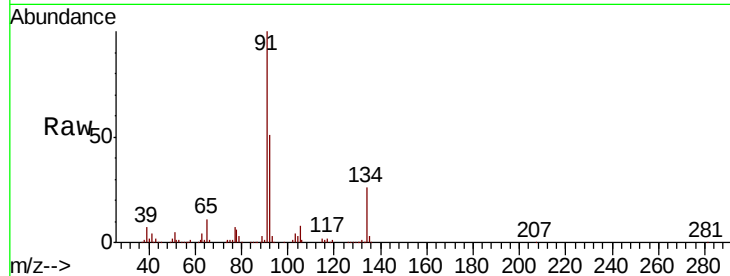




#89
n-Butylbenzene
Concen: 20.660 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

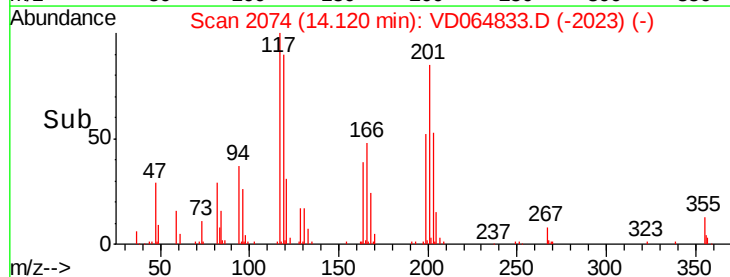
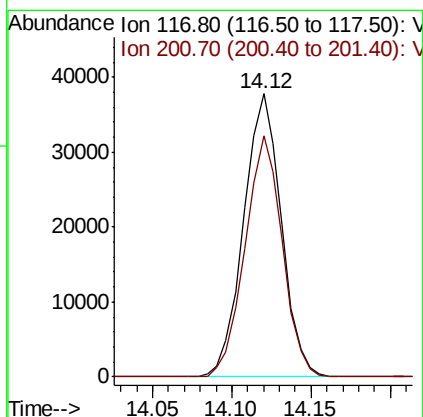
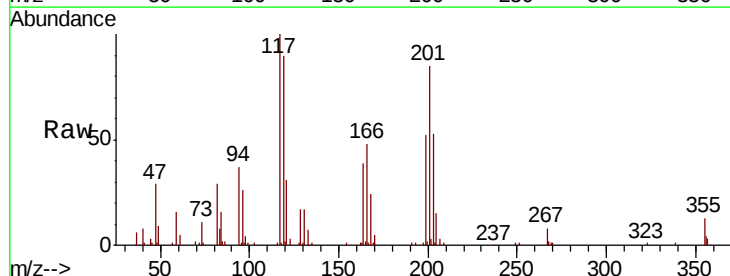
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

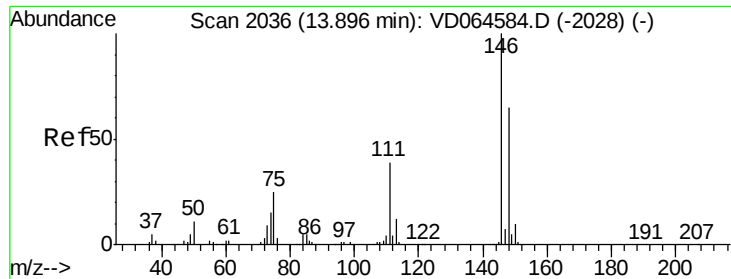
Tot Ion: 91 Resp: 297175
Ion Ratio Lower Upper
91 100
92 52.1 26.8 80.4
134 26.0 14.0 41.9



#90
Hexachloroethane
Concen: 20.430 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 117 Resp: 62335
Ion Ratio Lower Upper
117 100
201 84.1 44.0 131.8

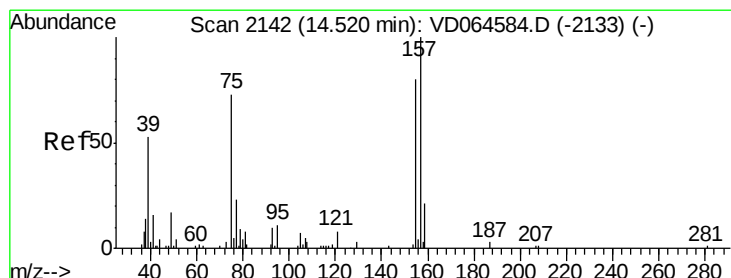
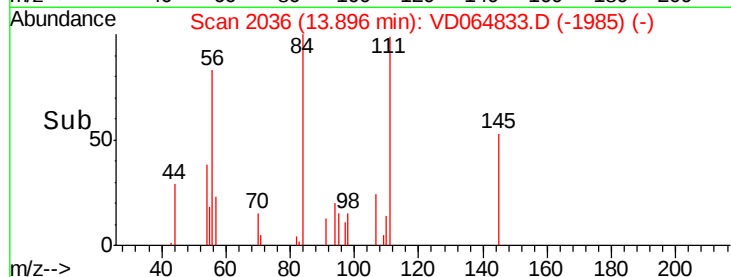
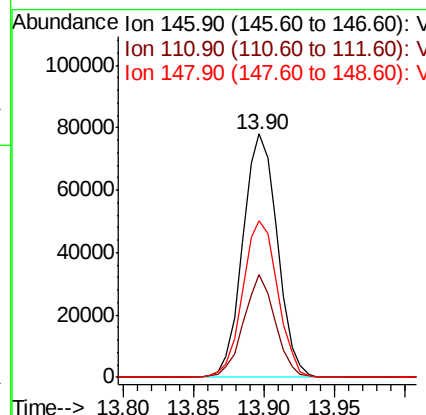
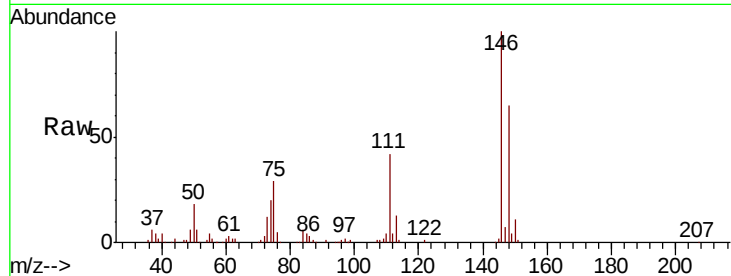




#91
 1,2-Dichlorobenzene
 Concen: 19.563 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

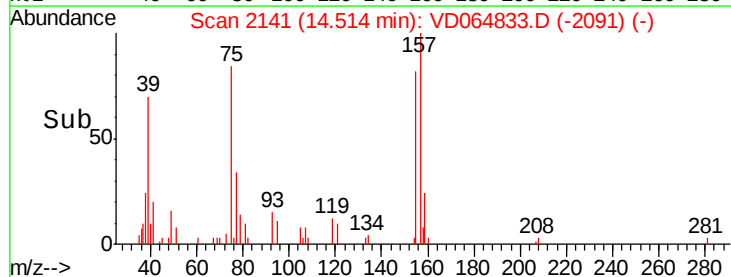
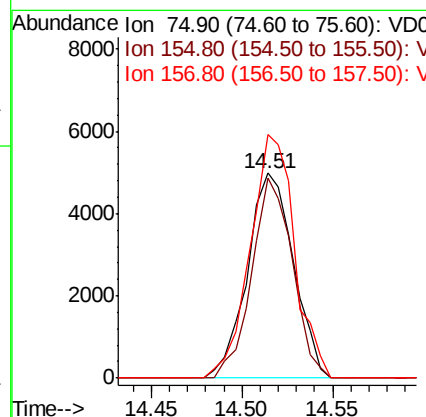
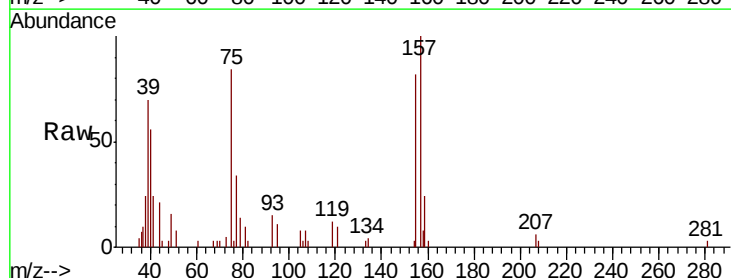
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	65.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.314 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	48.0	144.0
157	113.6	64.1	192.3

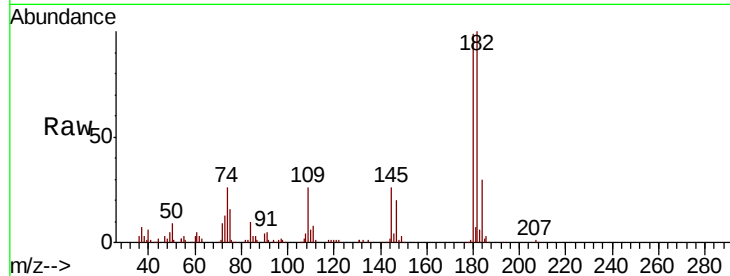




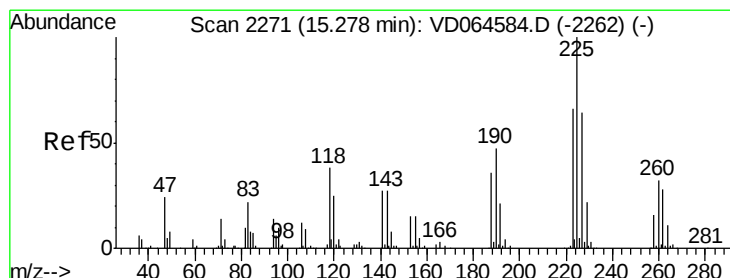
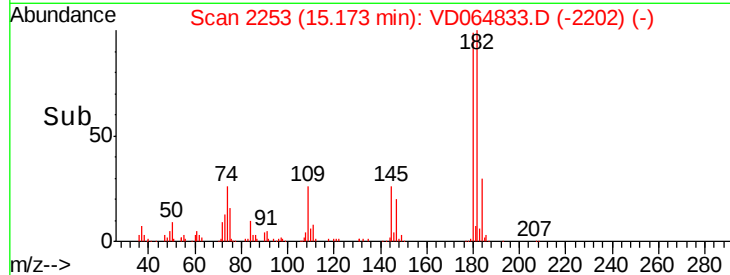
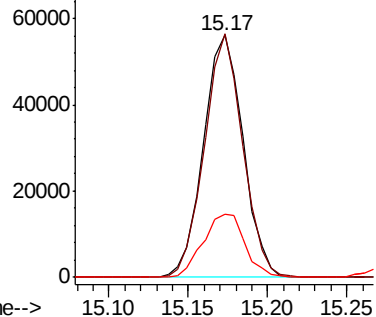
#93
 1,2,4-Trichlorobenzene
 Concen: 19.405 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.2
145	27.5	13.8	41.4

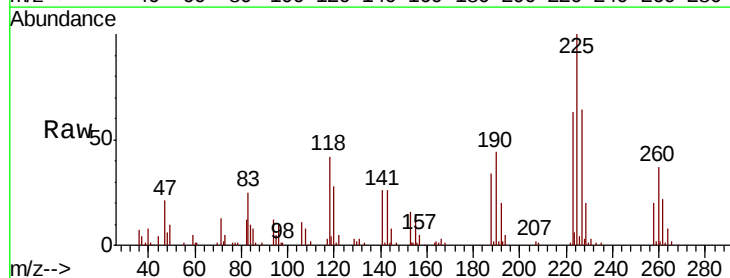


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

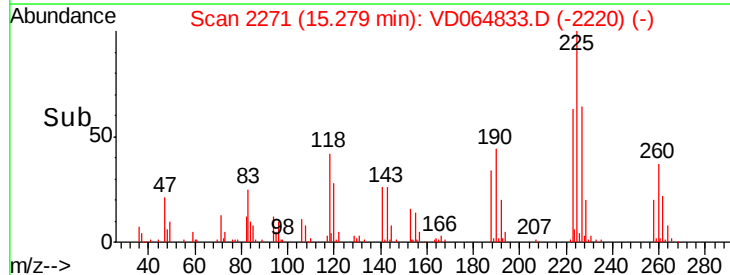
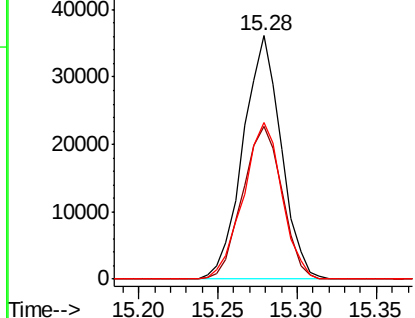


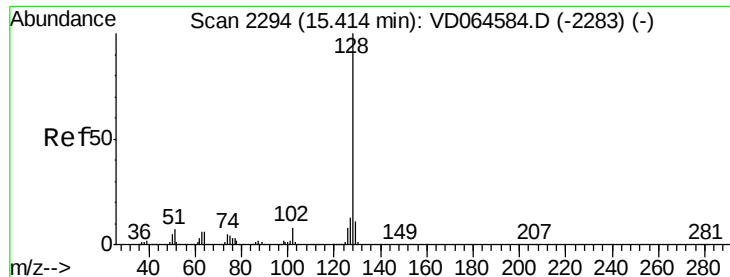
#94
 Hexachlorobutadiene
 Concen: 19.057 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.2
227	65.4	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

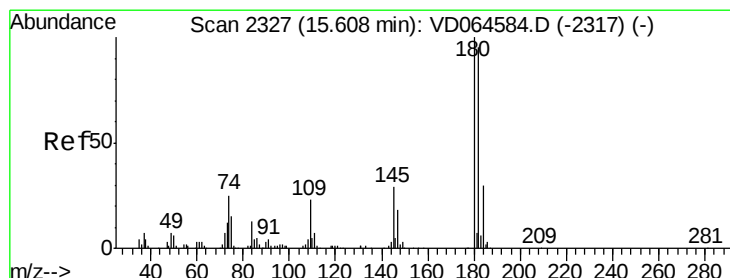
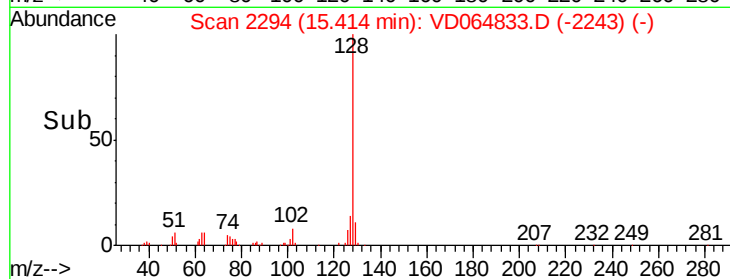
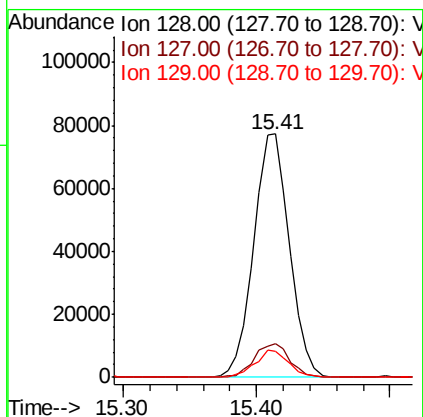
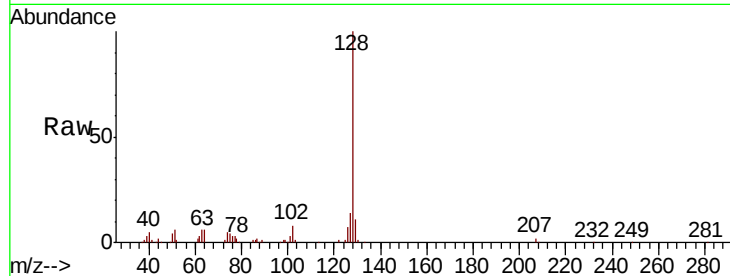




#95
Naphthalene
Concen: 17.926 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:128 Resp: 142492
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.990 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion:180 Resp: 81455
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.7
145 30.2 14.9 44.7

