

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064955.D
 Acq On : 24 Jan 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:41:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	426649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214993	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.92	113	205162	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	789938	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.64	95	248703	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155362	48.337	ug/l	99
3) Chloromethane	2.21	50	240834	51.124	ug/l	100
4) Vinyl Chloride	2.35	62	266403	49.238	ug/l	100
5) Bromomethane	2.77	94	183365	50.381	ug/l	96
6) Chloroethane	2.92	64	178278	49.980	ug/l	98
7) Trichlorofluoromethane	3.27	101	408286	48.861	ug/l	99
8) Diethyl Ether	3.71	74	93588	49.613	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	184661	47.500	ug/l	99
10) Methyl Iodide	4.29	142	214705	52.030	ug/l	99
11) Tert butyl alcohol	5.25	59	53044	234.549	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	180351	48.561	ug/l	98
13) Acrolein	3.93	56	72883	257.076	ug/l	91
14) Allyl chloride	4.71	41	308576	52.095	ug/l	99
15) Acrylonitrile	5.43	53	213639	261.533	ug/l	99
16) Acetone	4.17	43	164711	164.541	ug/l	100
17) Carbon Disulfide	4.40	76	597502	48.884	ug/l	99
18) Methyl Acetate	4.73	43	98900	51.599	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	448817	54.085	ug/l	97
20) Methylene Chloride	4.96	84	207744	52.525	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	213892	49.988	ug/l	100
22) Diisopropyl ether	6.37	45	629434	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1873834	271.120	ug/l	99
24) 1,1-Dichloroethane	6.27	63	373284	51.503	ug/l	98
25) 2-Butanone	7.22	43	266713	241.229	ug/l	98
26) 2,2-Dichloropropane	7.21	77	309347	47.055	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	239894	52.528	ug/l	97
28) Bromochloromethane	7.55	49	159171	54.913	ug/l	99
29) Tetrahydrofuran	7.57	42	175432	257.162	ug/l	98
30) Chloroform	7.71	83	386719	51.616	ug/l	98
31) Cyclohexane	7.99	56	322154	45.183	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349516	50.145	ug/l	100
36) 1,1-Dichloropropene	8.11	75	298956	47.801	ug/l	99
37) Ethyl Acetate	7.31	43	129525	50.138	ug/l	98
38) Carbon Tetrachloride	8.10	117	312050	47.206	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	334562	45.756	ug/l	97
40) Benzene	8.36	78	847622	49.209	ug/l	99
41) Methacrylonitrile	7.57	41	180437	129.658	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	252678	49.245	ug/l	98
43) Isopropyl Acetate	8.46	43	251230	51.197	ug/l	99
44) Trichloroethene	9.11	130	237636	49.294	ug/l	100
45) 1,2-Dichloropropane	9.39	63	209985	50.287	ug/l	98
46) Dibromomethane	9.48	93	113176	49.644	ug/l	100
47) Bromodichloromethane	9.67	83	302912	51.062	ug/l	99
48) Methyl methacrylate	9.46	41	117660	52.103	ug/l	98
49) 1,4-Dioxane	9.47	88	25428	961.712	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	630287	256.698	ug/l	99
52) Toluene	10.41	92	551668	49.676	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	281659	49.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	336521	50.865	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	152971	49.814	ug/l	98
56) Ethyl methacrylate	10.67	69	195085	53.125	ug/l	99
57) 1,3-Dichloropropane	10.95	76	268972	51.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	309486	253.679	ug/l	99
59) 2-Hexanone	10.99	43	424942	250.905	ug/l	98
60) Dibromochloromethane	11.14	129	208221	50.732	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150853	51.017	ug/l	97
64) Tetrachloroethene	10.88	164	196760	46.956	ug/l	98
65) Chlorobenzene	11.67	112	585111	49.697	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	220991	49.910	ug/l	99
67) Ethyl Benzene	11.75	91	1029797	49.268	ug/l	99
68) m/p-Xylenes	11.86	106	803470	99.838	ug/l	99
69) o-Xylene	12.18	106	360404	50.459	ug/l	100
70) Styrene	12.20	104	655085	51.487	ug/l	99
71) Bromoform	12.37	173	124590	50.619	ug/l #	100
73) Isopropylbenzene	12.48	105	959142	48.950	ug/l	100
74) N-amyl acetate	12.30	43	223979	51.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	162529	49.352	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	216794	91.110	ug/l #	100
77) Bromobenzene	12.77	156	238892	49.829	ug/l	99
78) n-propylbenzene	12.83	91	1122946	48.190	ug/l	99
79) 2-Chlorotoluene	12.91	91	625639	48.942	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	790904	49.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	55174	49.511	ug/l	97
82) 4-Chlorotoluene	13.01	91	664675	49.029	ug/l	99
83) tert-Butylbenzene	13.23	119	659055	48.365	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	801832	49.294	ug/l	100
85) sec-Butylbenzene	13.41	105	913947	47.369	ug/l	99
86) p-Isopropyltoluene	13.53	119	870035	48.189	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	451442	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440489	48.247	ug/l	99
89) n-Butylbenzene	13.86	91	784846	47.633	ug/l	100
90) Hexachloroethane	14.12	117	162460	46.661	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	384204	49.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24501	46.490	ug/l	94

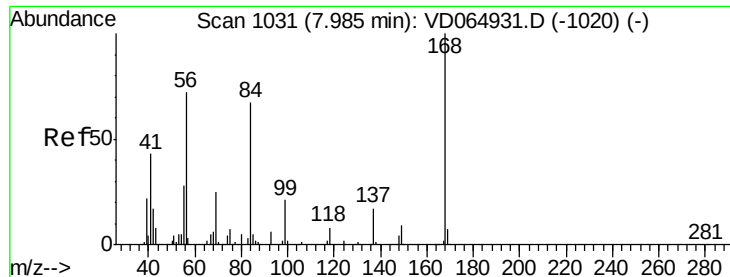
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	260384	48.196	ug/l	99
94) Hexachlorobutadiene	15.28	225	152297	44.566	ug/l	98
95) Naphthalene	15.41	128	450209	51.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228616	48.804	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

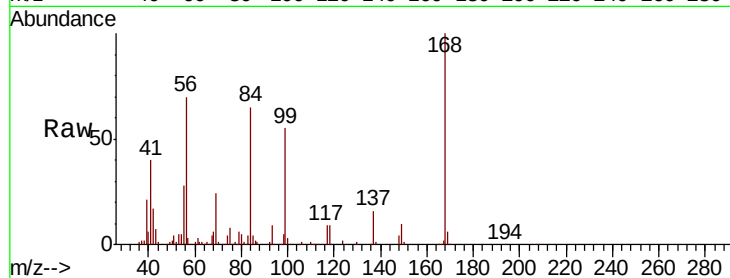
ClientSampleId :

Tot Ion:168 Resp: 426649

Ion Ratio Lower Upper

168 100

99 54.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

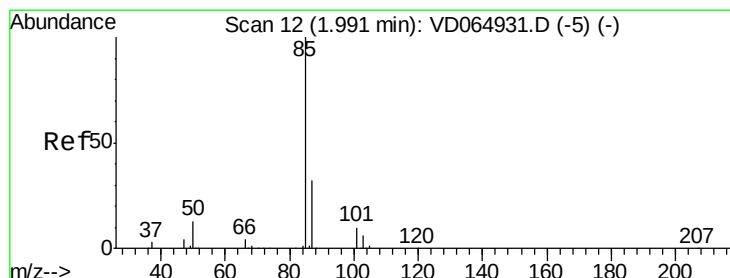
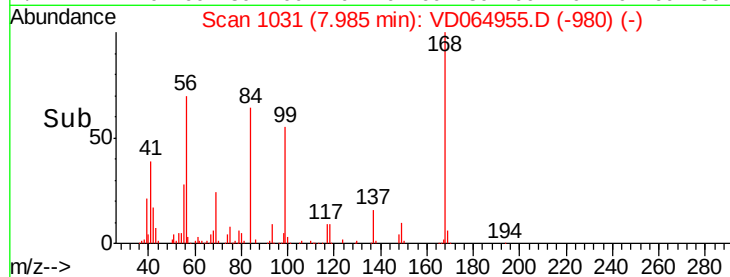
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064955.D

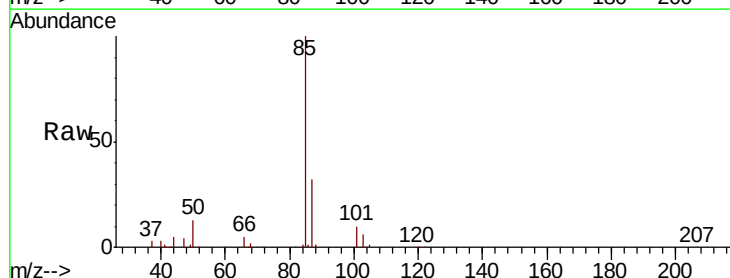
Acq: 24 Jan 2020 20:59

Tgt Ion: 85 Resp: 155362

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

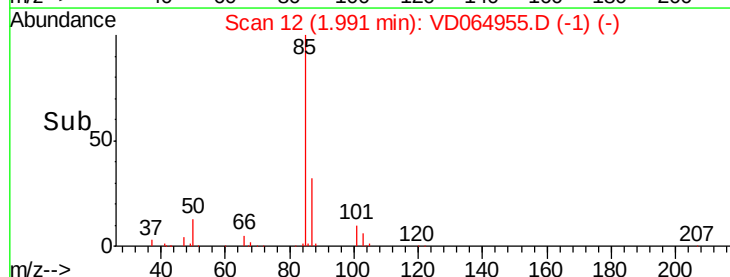
40000

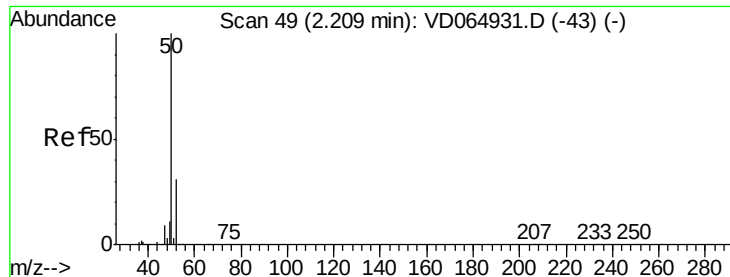
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 51.124 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

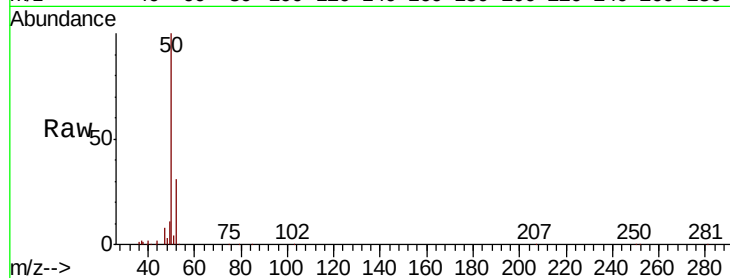
ClientSampleId :

Tot Ion: 50 Resp: 240834

Ion Ratio Lower Upper

50 100

52 30.8 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

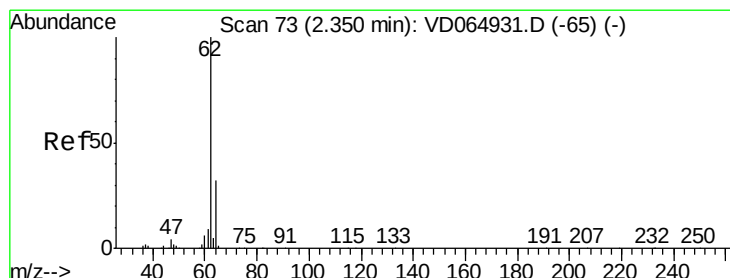
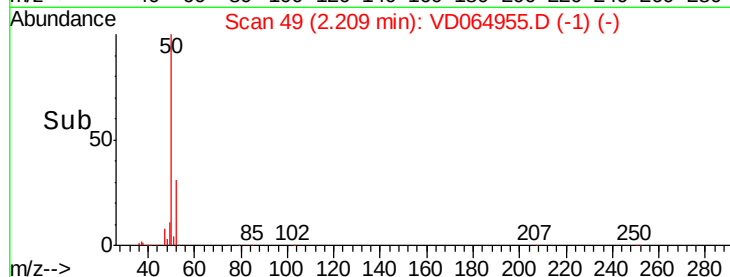
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.238 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064955.D

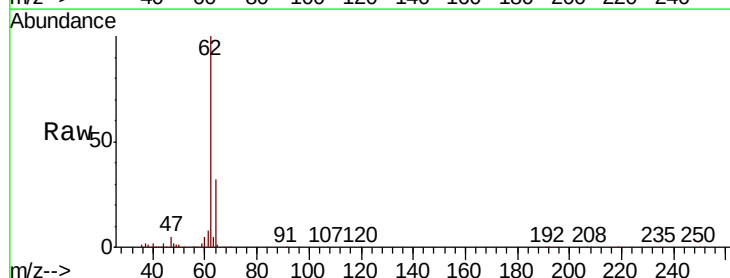
Acq: 24 Jan 2020 20:59

Tgt Ion: 62 Resp: 266403

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

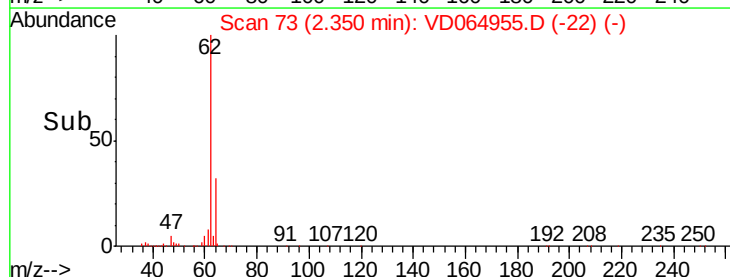
150000

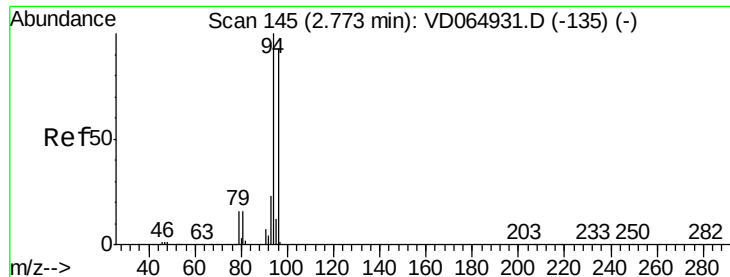
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.381 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

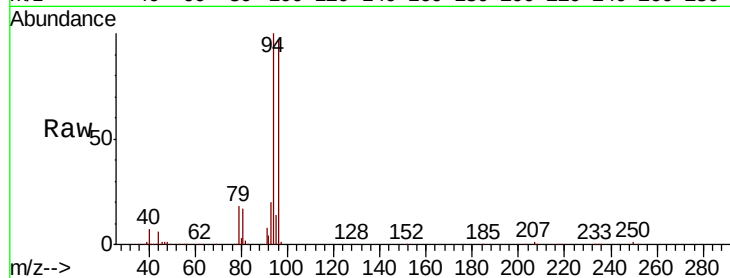
ClientSampleId :

Tot Ion: 94 Resp: 183365

Ion Ratio Lower Upper

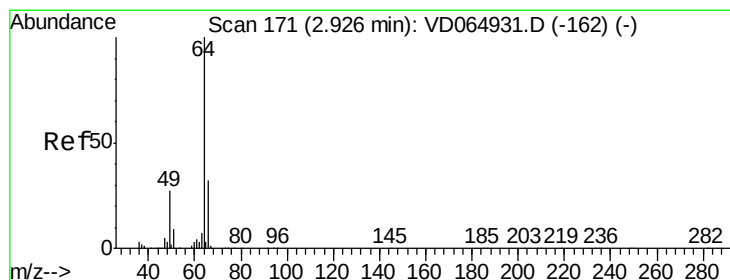
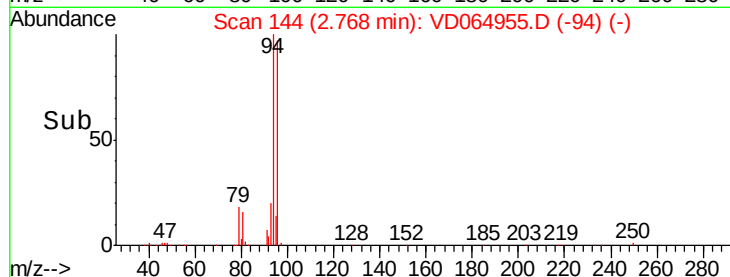
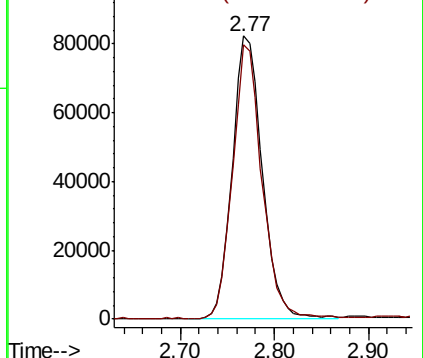
94 100

96 96.6 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.980 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064955.D

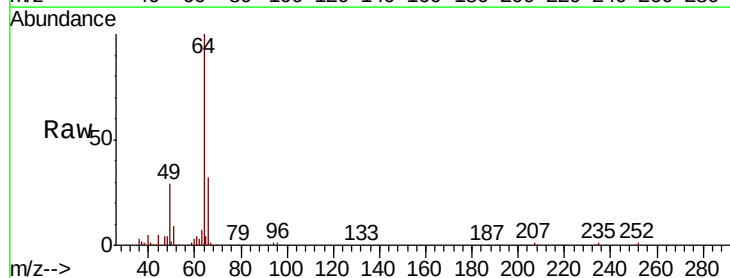
Acq: 24 Jan 2020 20:59

Tgt Ion: 64 Resp: 178278

Ion Ratio Lower Upper

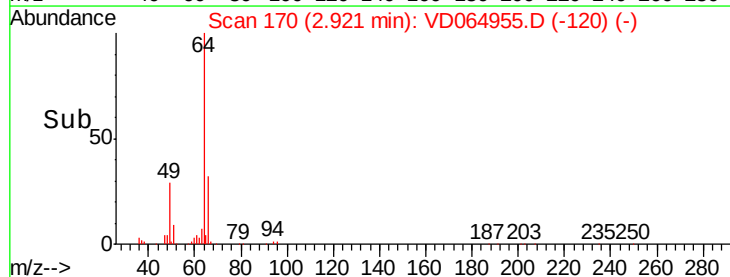
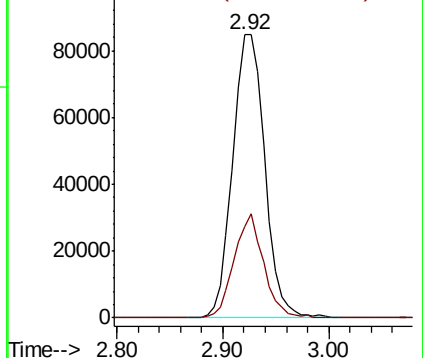
64 100

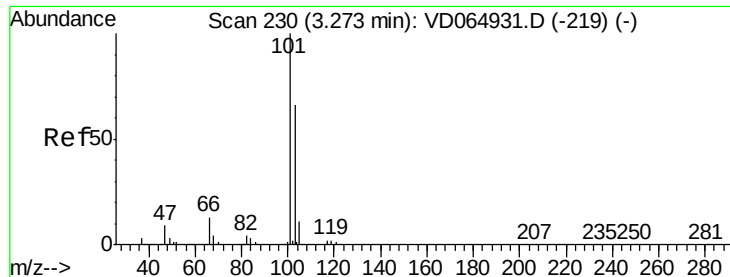
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



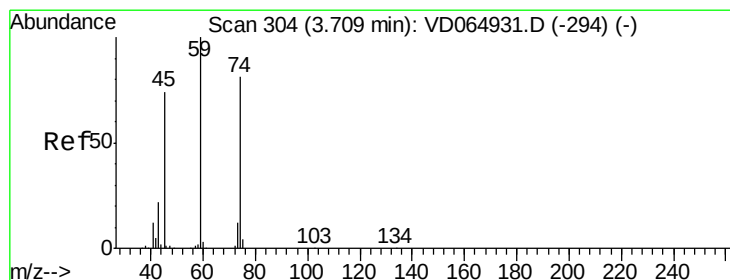
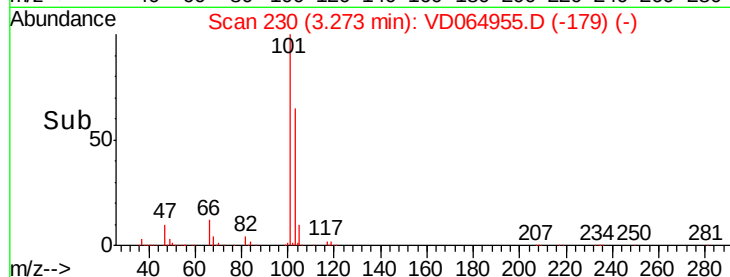
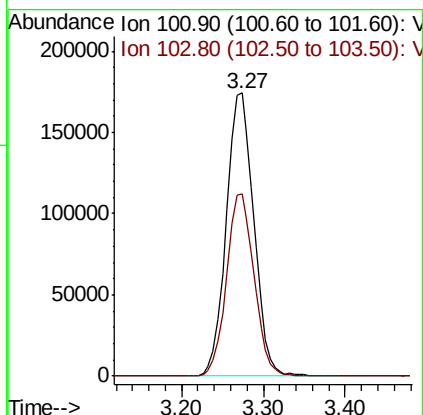
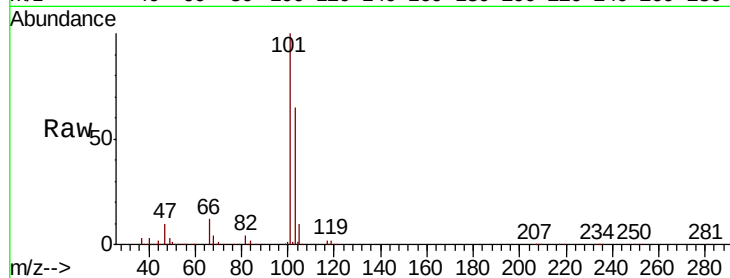


#7

Trichlorofluoromethane
 Concen: 48.861 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
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 ClientSampleId :

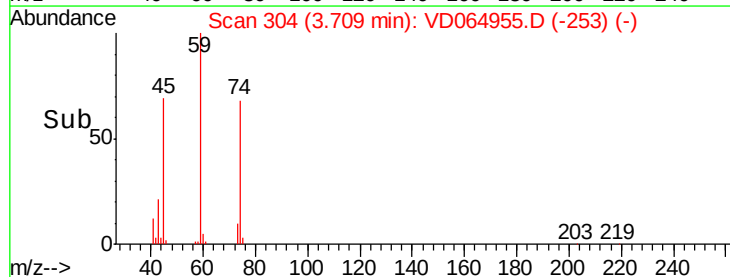
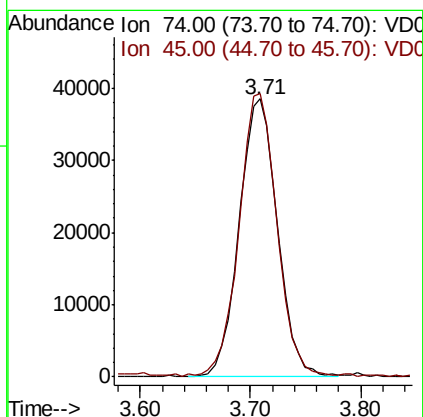
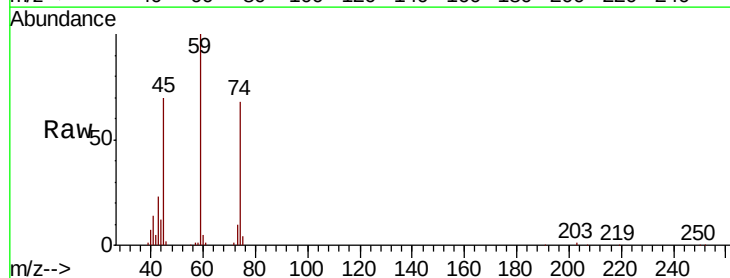
Tot Ion:101 Resp: 408286
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.5 78.7

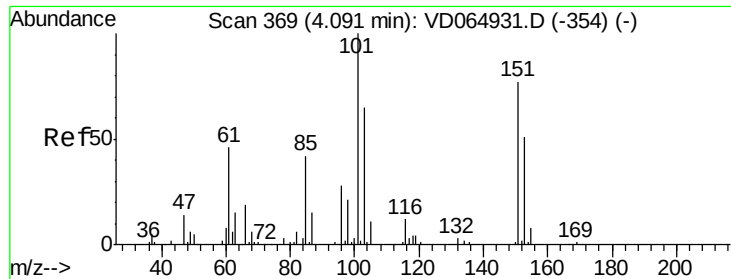


#8

Diethyl Ether
 Concen: 49.613 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 74 Resp: 93588
 Ion Ratio Lower Upper
 74 100
 45 101.6 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.500 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

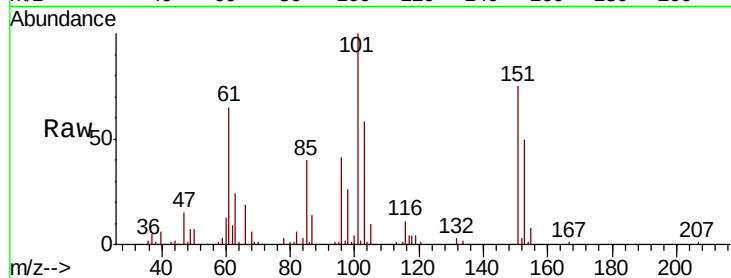
Tot Ion:101 Resp: 184661

Ion Ratio Lower Upper

101 100

85 45.5 35.0 52.4

151 80.0 64.6 96.8

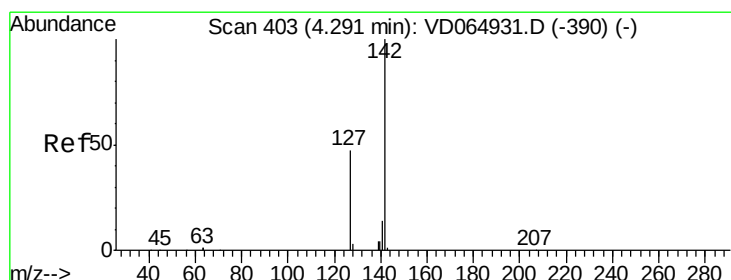
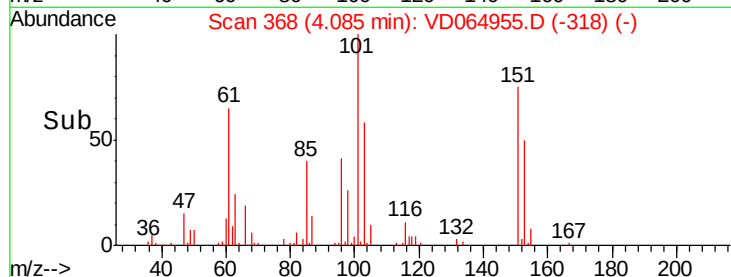
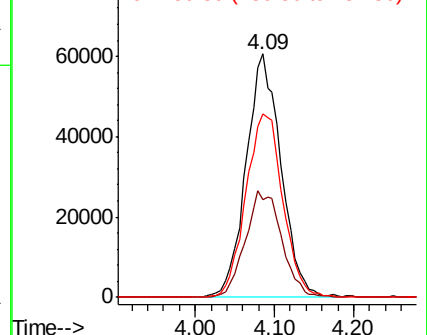


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.030 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

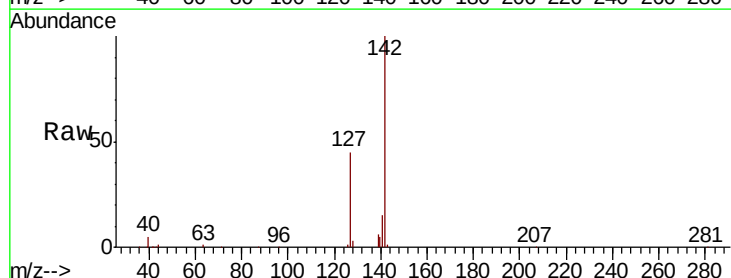
Tgt Ion:142 Resp: 214705

Ion Ratio Lower Upper

142 100

127 44.5 36.2 54.2

141 14.9 11.6 17.4

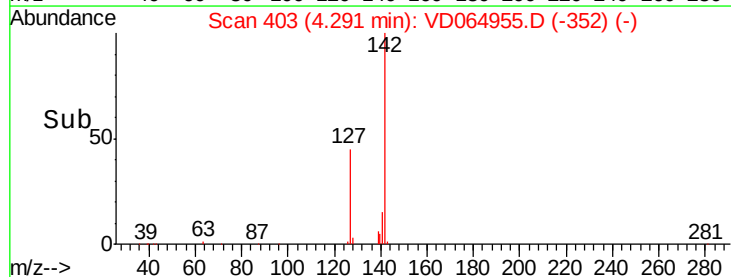
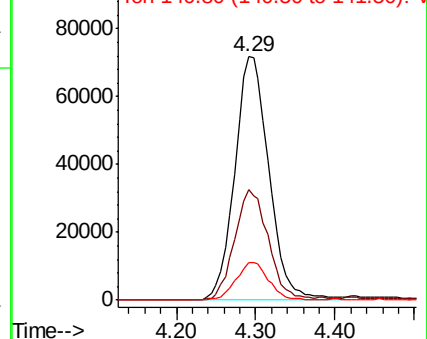


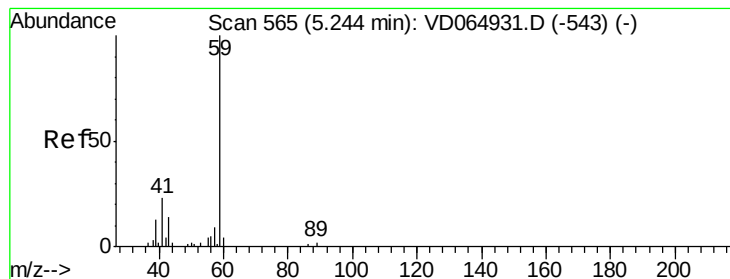
Abundance

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



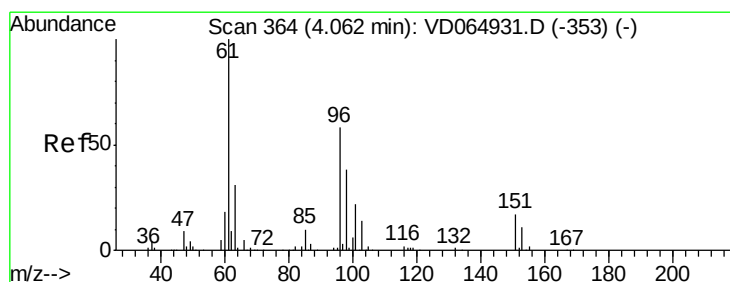
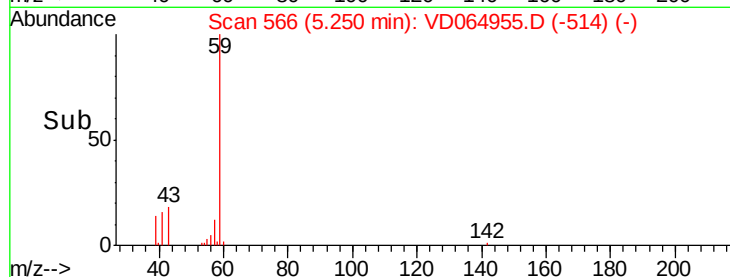
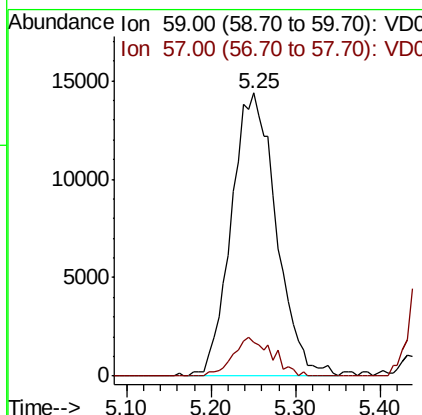
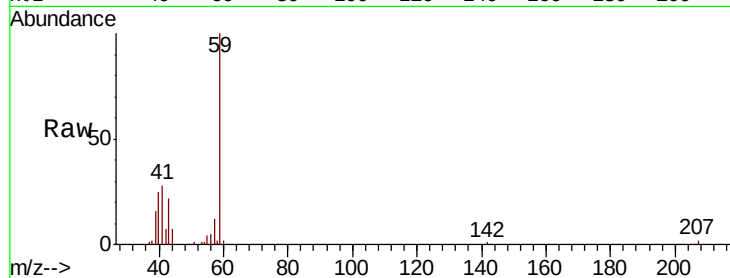


#11

Tert butyl alcohol
 Concen: 234.549 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :

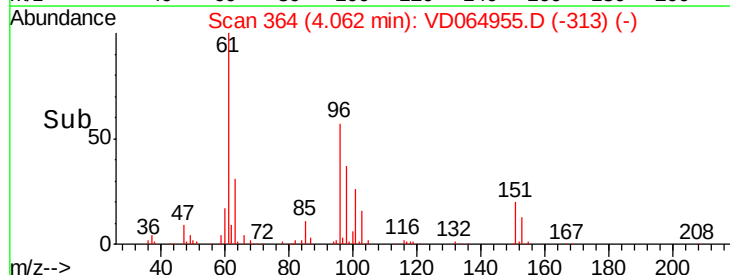
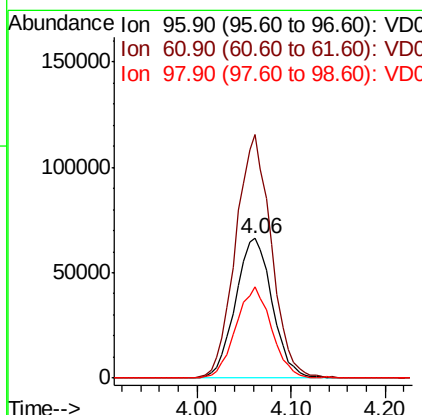
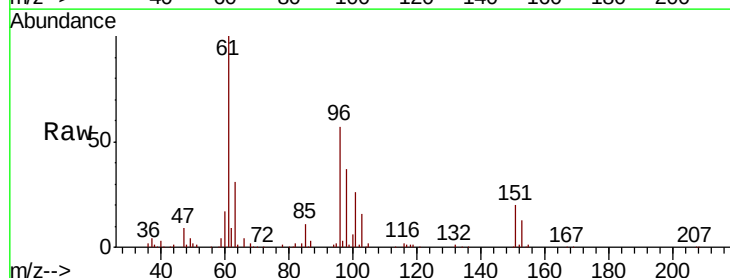
Tot Ion: 59 Resp: 53044
 Ion Ratio Lower Upper
 59 100
 57 11.9 7.7 11.5#

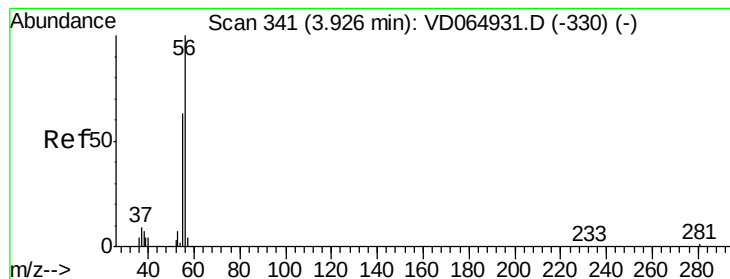


#12

1,1-Dichloroethene
 Concen: 48.561 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 96 Resp: 180351
 Ion Ratio Lower Upper
 96 100
 61 174.2 137.0 205.4
 98 65.0 52.1 78.1





#13

Acrolein

Concen: 257.076 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

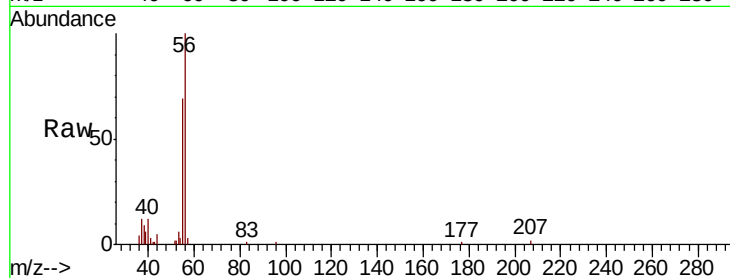
ClientSampled :

Tot Ion: 56 Resp: 72883

Ion Ratio Lower Upper

56 100

55 67.3 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

25000

20000

15000

10000

5000

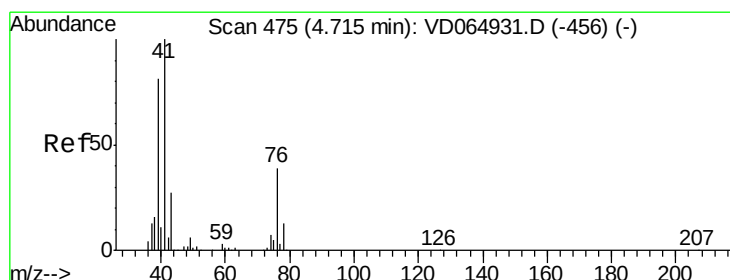
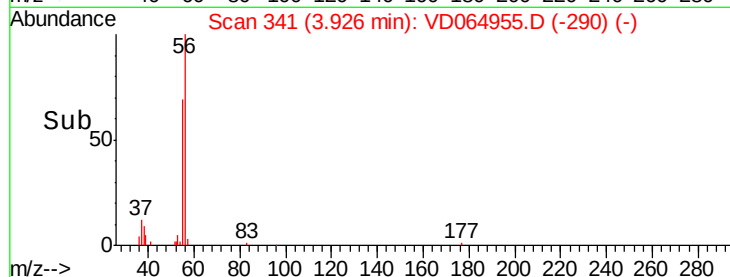
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 52.095 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

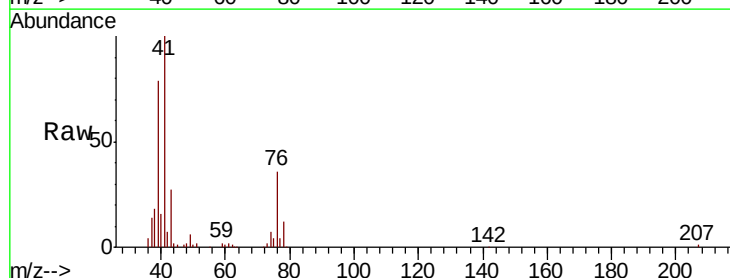
Tgt Ion: 41 Resp: 308576

Ion Ratio Lower Upper

41 100

39 76.9 62.0 93.0

76 36.9 29.3 43.9



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

4.71

100000

50000

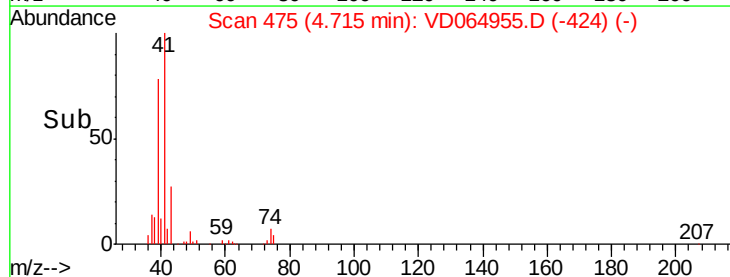
0

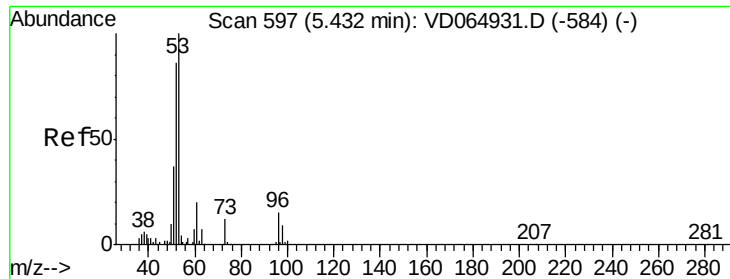
Time-->

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 261.533 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

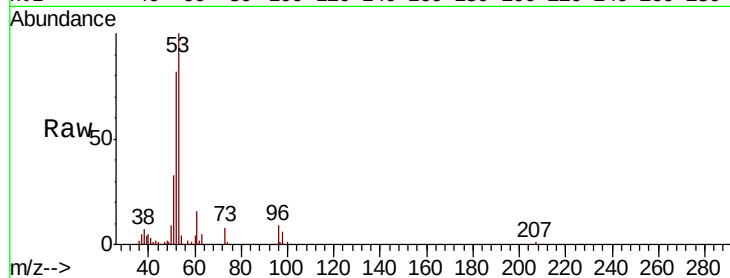
Tot Ion: 53 Resp: 213639

Ion Ratio Lower Upper

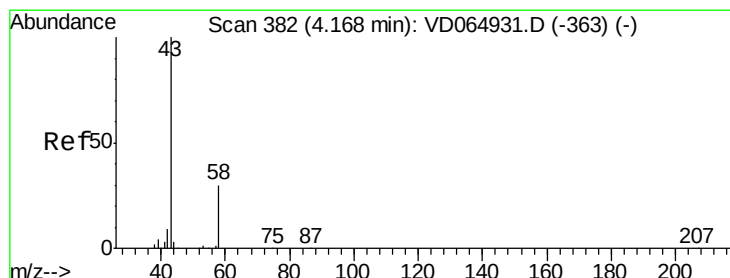
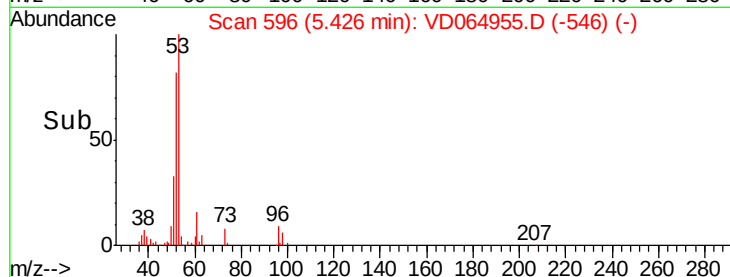
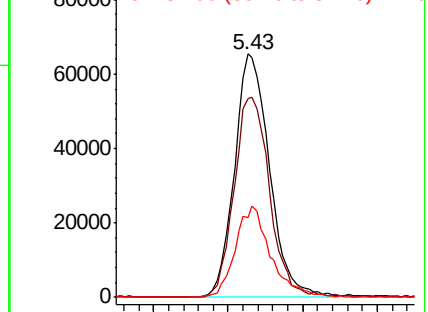
53 100

52 83.1 66.7 100.1

51 37.9 31.1 46.7



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



#16

Acetone

Concen: 164.541 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064955.D

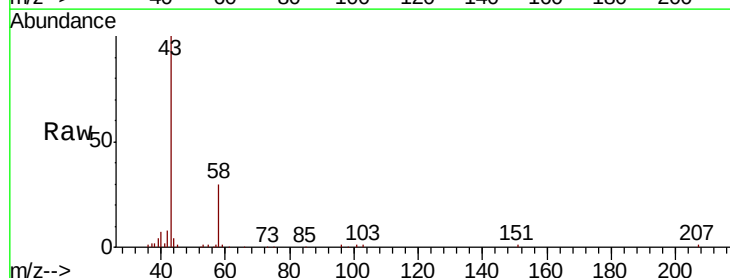
Acq: 24 Jan 2020 20:59

Tgt Ion: 43 Resp: 164711

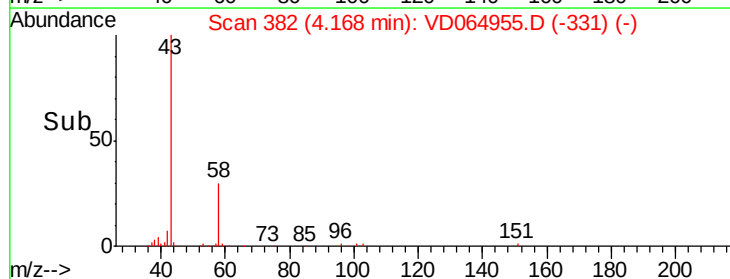
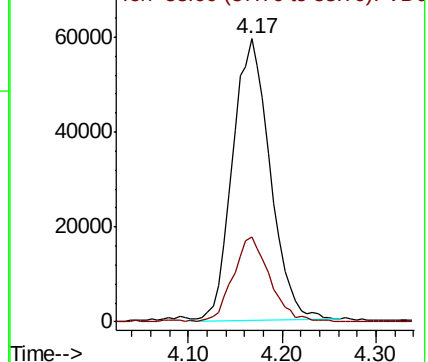
Ion Ratio Lower Upper

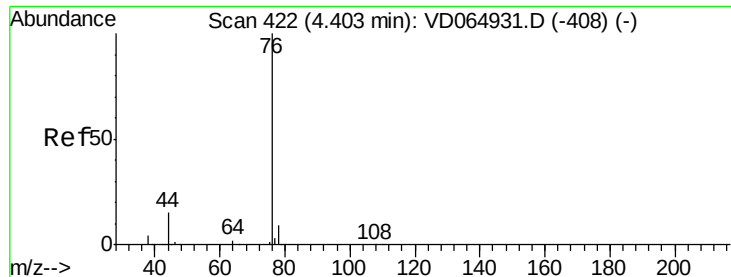
43 100

58 29.7 23.8 35.8



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





#17

Carbon Disulfide

Concen: 48.884 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

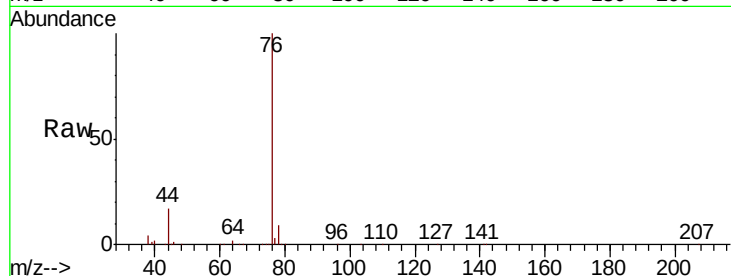
ClientSampleId :

Tot Ion: 76 Resp: 597502

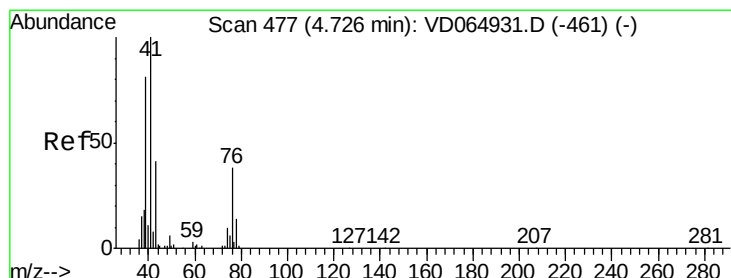
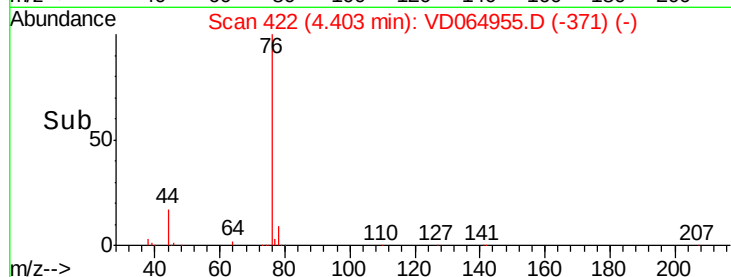
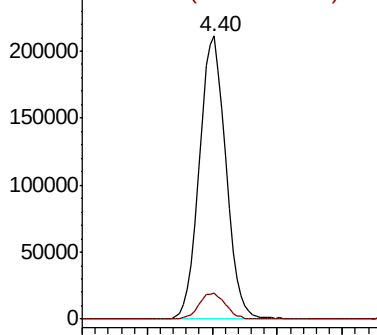
Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



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



#18

Methyl Acetate

Concen: 51.599 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064955.D

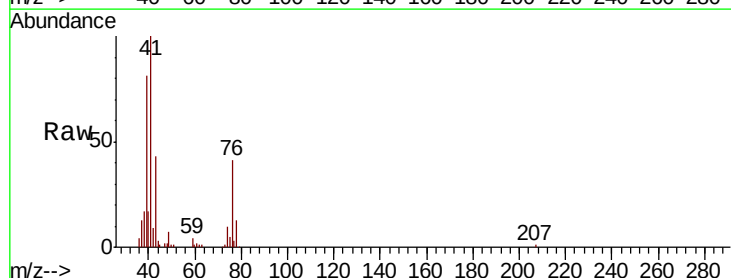
Acq: 24 Jan 2020 20:59

Tgt Ion: 43 Resp: 98900

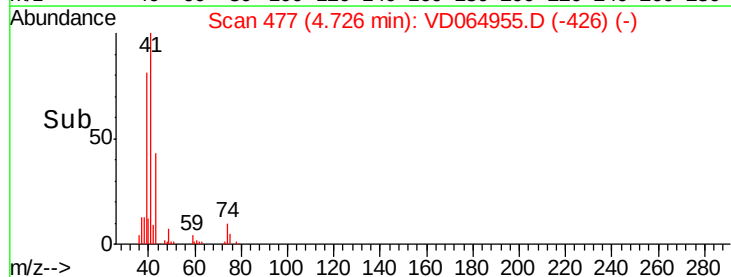
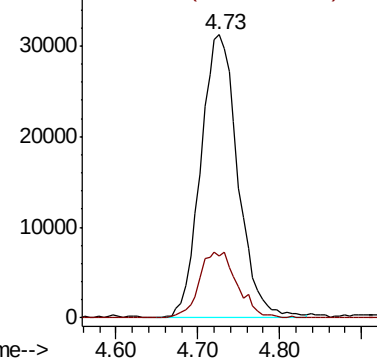
Ion Ratio Lower Upper

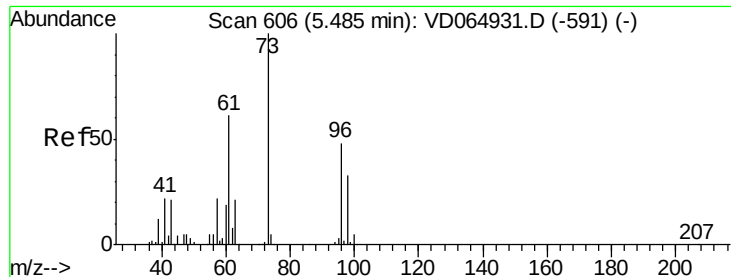
43 100

74 23.8 19.1 28.7



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

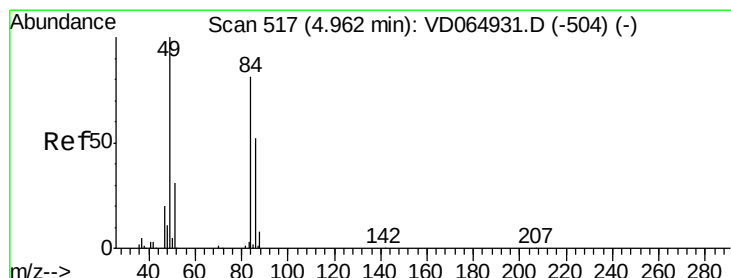
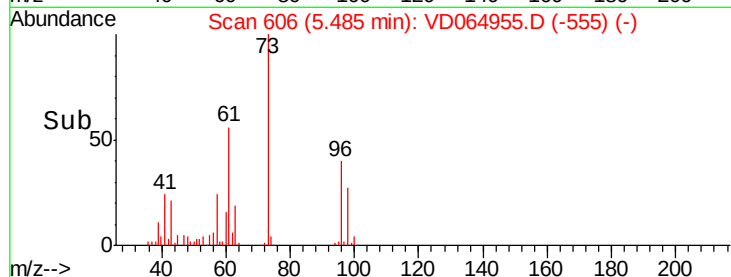
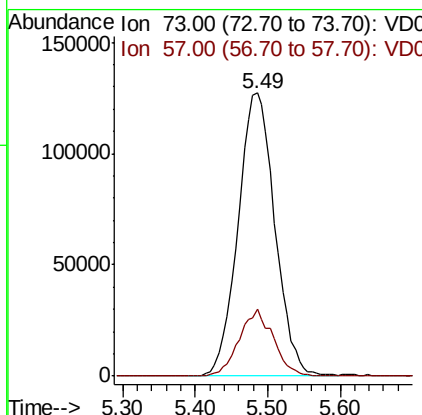
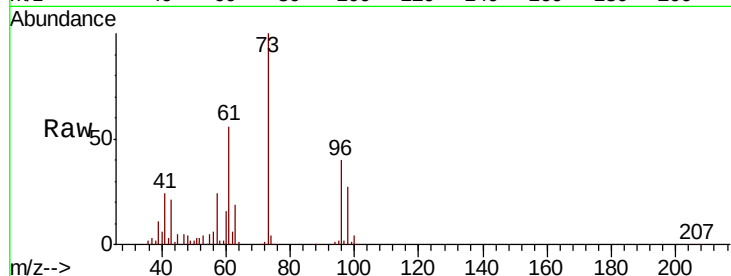




#19
Methyl tert-butyl Ether
Concen: 54.085 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

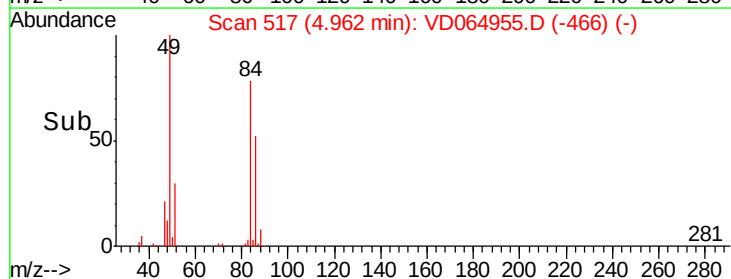
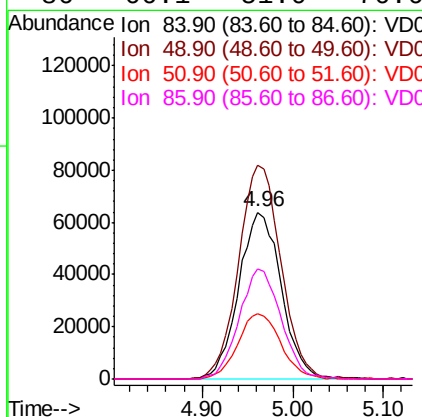
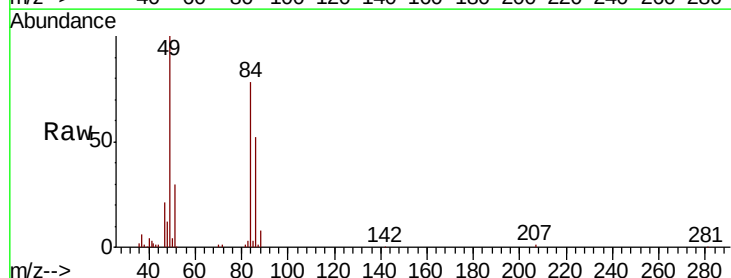
Instrument :
MSVOA_D
ClientSampled :

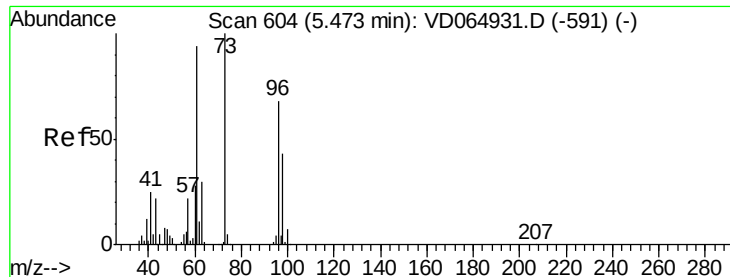
Tot Ion: 73 Resp: 448817
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9



#20
Methylene Chloride
Concen: 52.525 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 84 Resp: 207744
Ion Ratio Lower Upper
84 100
49 128.2 98.4 147.6
51 38.9 30.8 46.2
86 66.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.988 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampled :

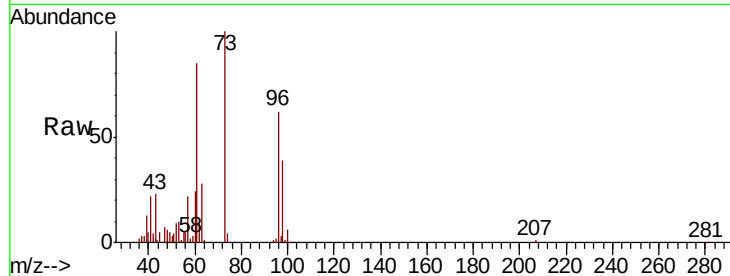
Tot Ion: 96 Resp: 213892

Ion Ratio Lower Upper

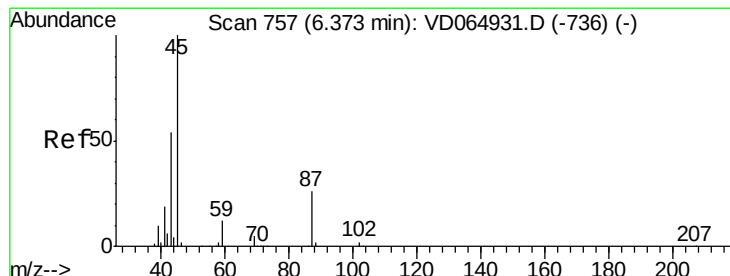
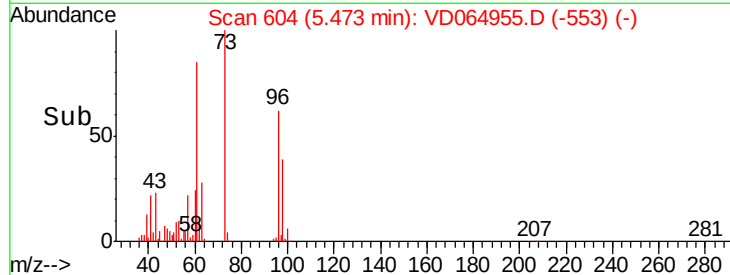
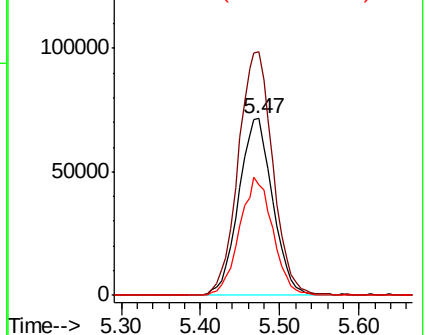
96 100

61 137.8 110.4 165.6

98 62.7 50.5 75.7



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



#22

Diisopropyl ether

Concen: 53.321 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion: 45 Resp: 629434

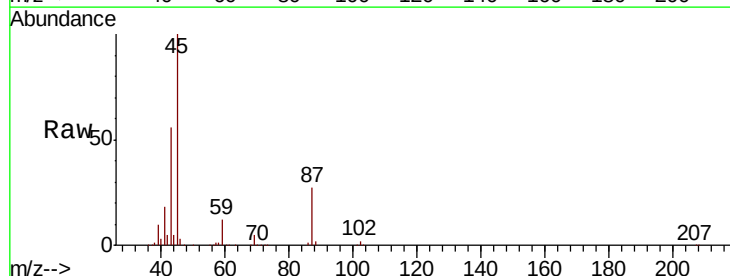
Ion Ratio Lower Upper

45 100

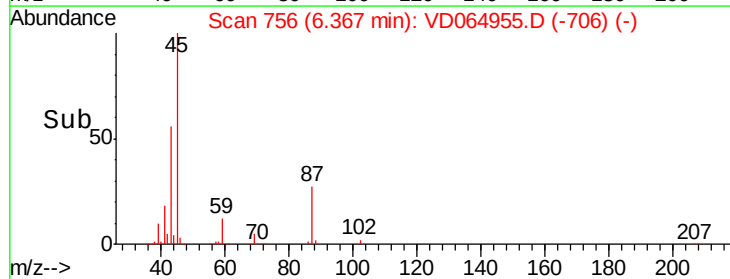
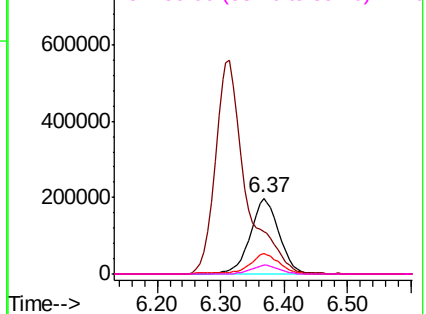
43 55.3 43.1 64.7

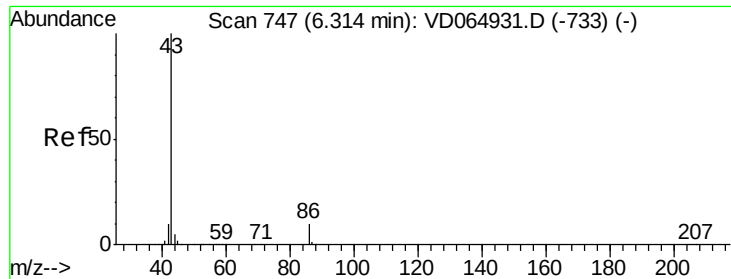
87 26.4 21.4 32.2

59 12.4 9.5 14.3



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: 271.120 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

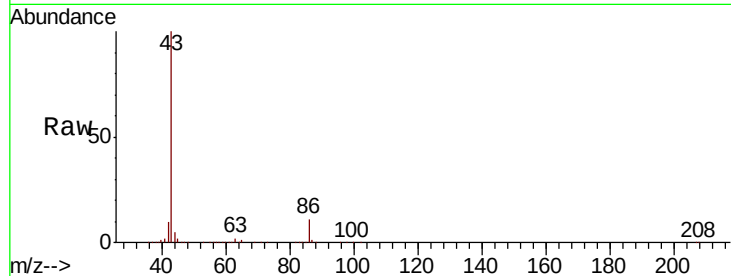
ClientSampleId :

Tot Ion: 43 Resp: 1873834

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

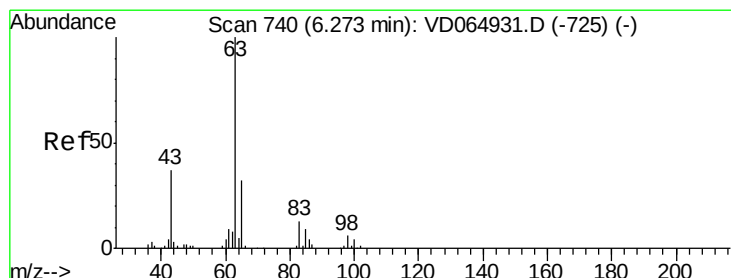
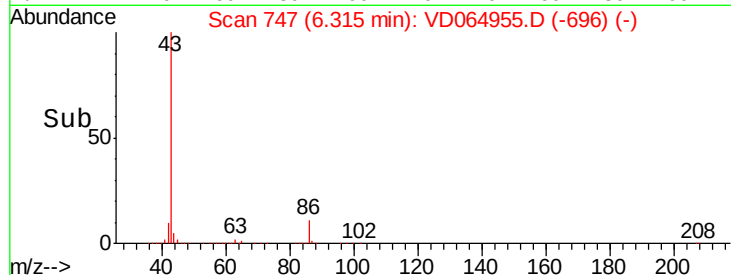
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.503 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

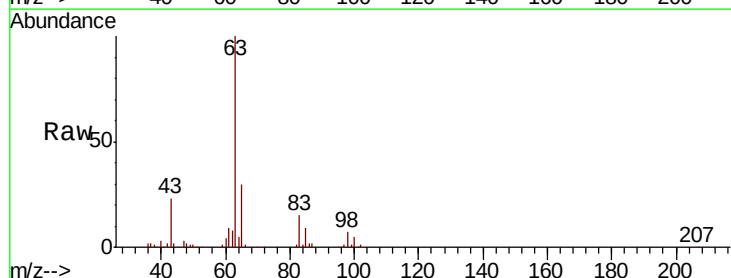
Tgt Ion: 63 Resp: 373284

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.3

100 4.9 2.3 6.8



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

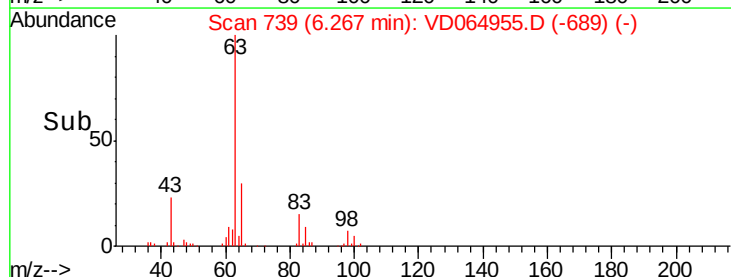
150000

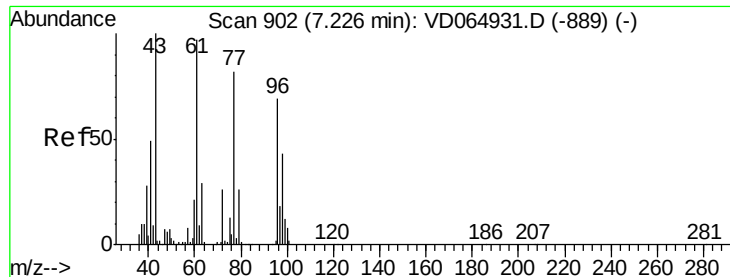
100000

50000

0

Time--> 6.10 6.20 6.30 6.40

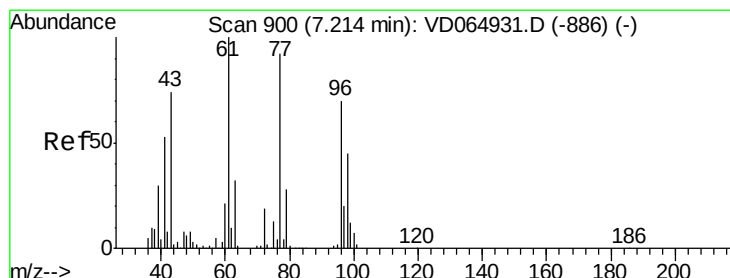
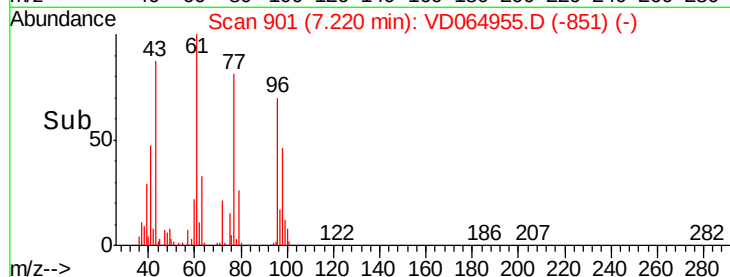
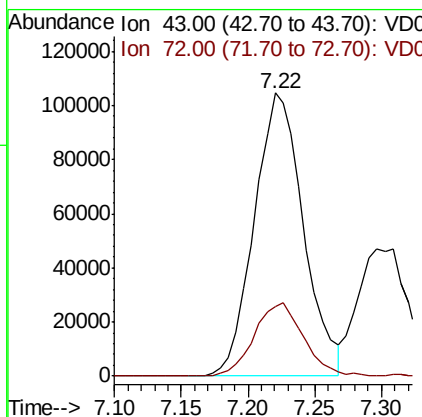
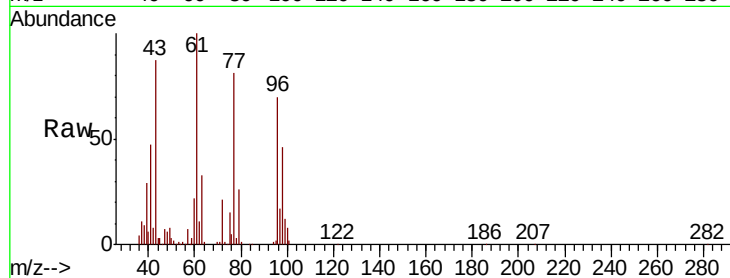




#25
2-Butanone
Concen: 241.229 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

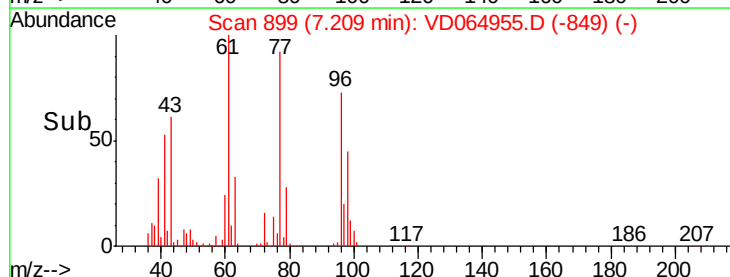
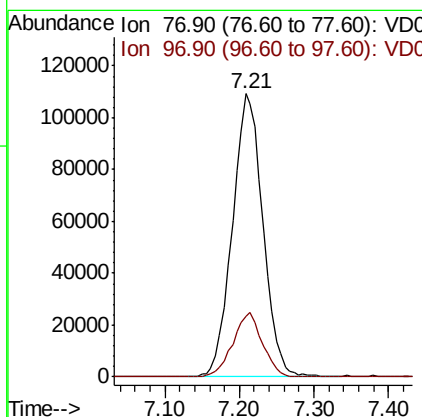
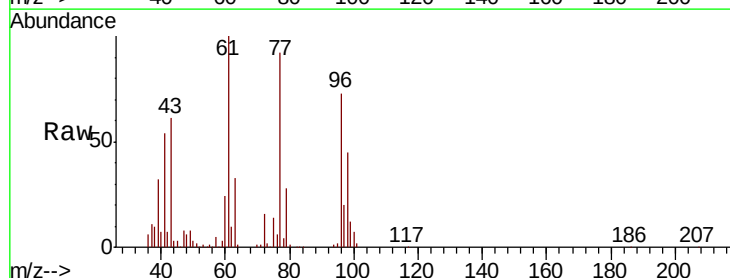
Instrument :
MSVOA_D
ClientSampled :

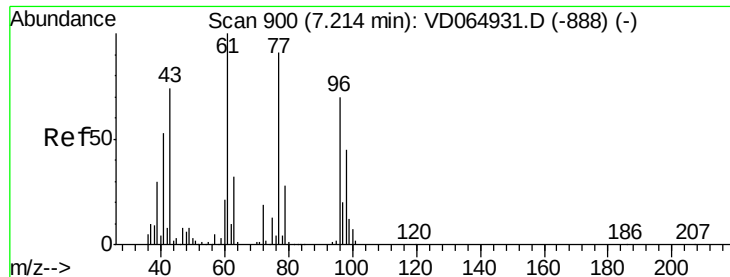
Tot Ion: 43 Resp: 266713
Ion Ratio Lower Upper
43 100
72 24.6 20.6 31.0



#26
2,2-Dichloropropane
Concen: 47.055 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 77 Resp: 309347
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.2



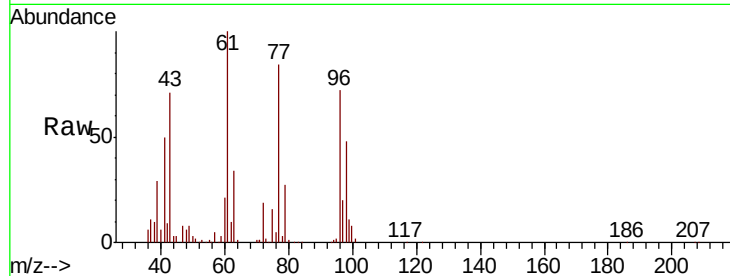


#27

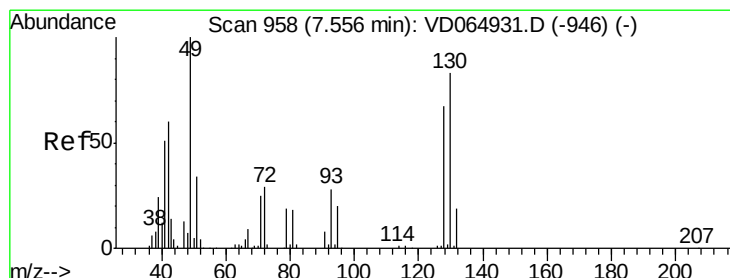
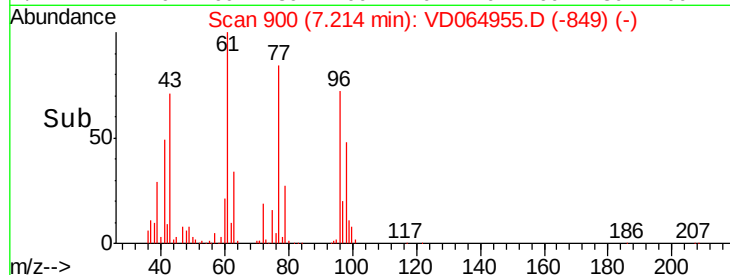
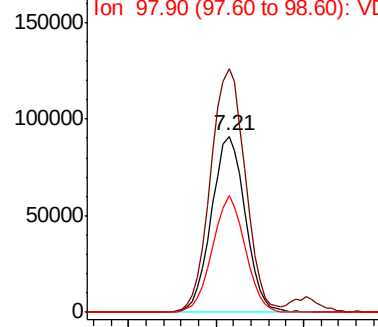
cis-1,2-Dichloroethene
Concen: 52.528 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 239894
Ion Ratio Lower Upper
96 100
61 141.5 0.0 292.8
98 63.8 0.0 130.0



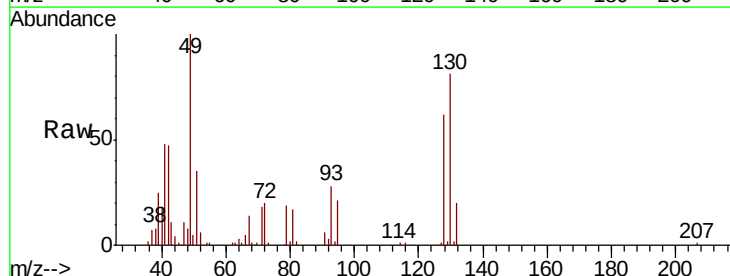
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



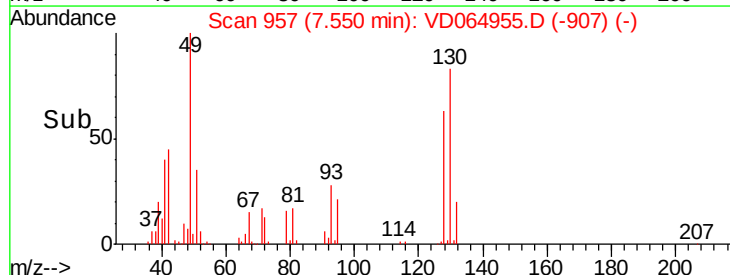
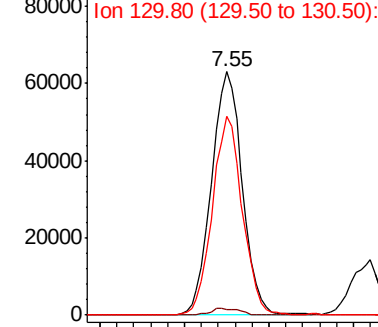
#28

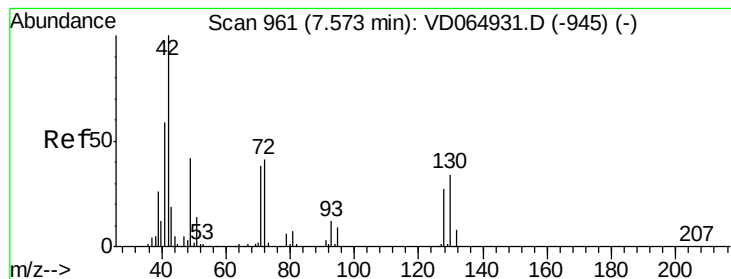
Bromochloromethane
Concen: 54.913 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 49 Resp: 159171
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.4
130 79.2 63.8 95.8



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: 257.162 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

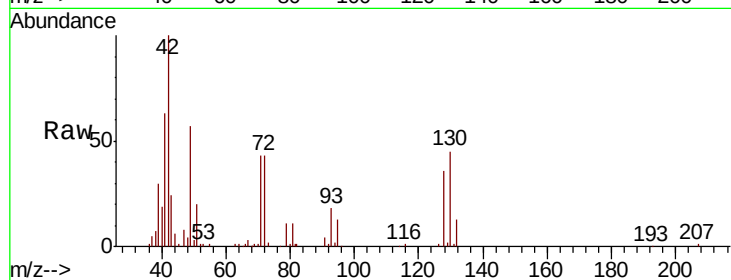
Tot Ion: 42 Resp: 175432

Ion Ratio Lower Upper

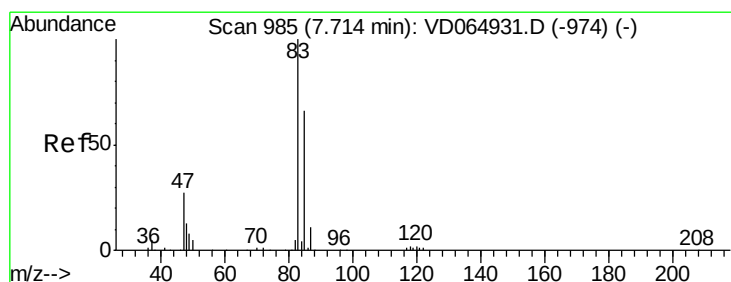
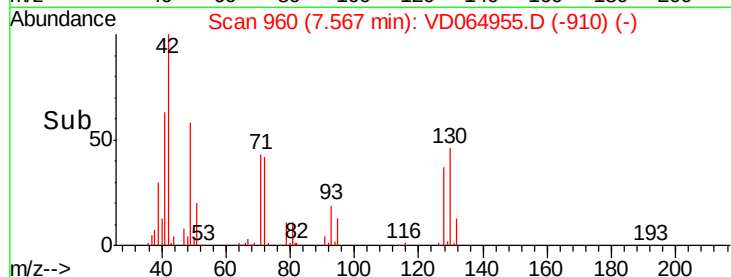
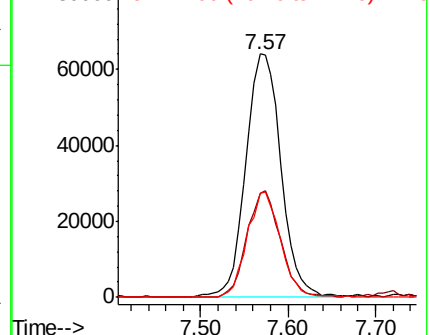
42 100

72 41.7 34.0 51.0

71 41.1 31.5 47.3



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



#30

Chloroform

Concen: 51.616 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064955.D

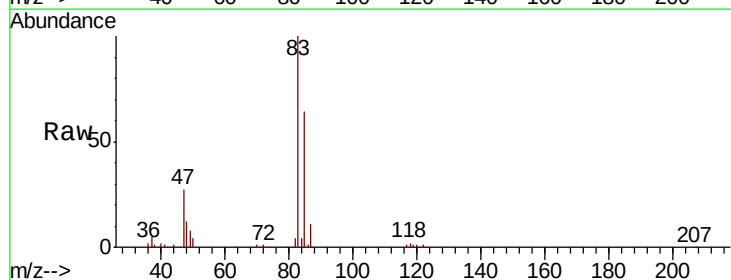
Acq: 24 Jan 2020 20:59

Tgt Ion: 83 Resp: 386719

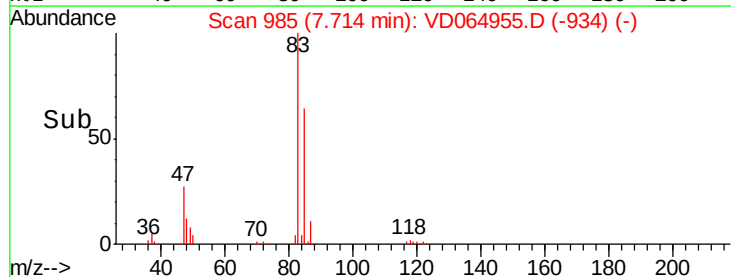
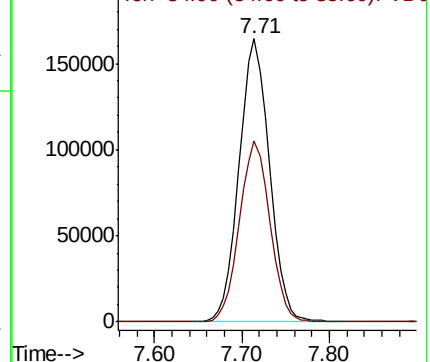
Ion Ratio Lower Upper

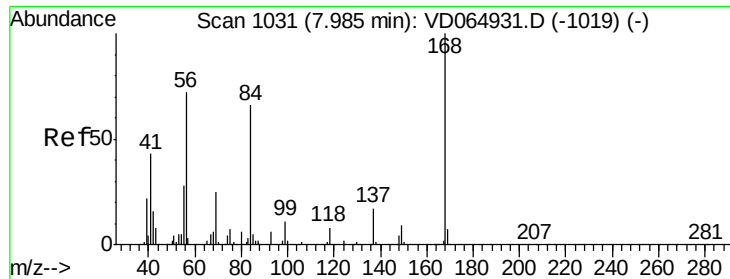
83 100

85 63.9 52.4 78.6



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

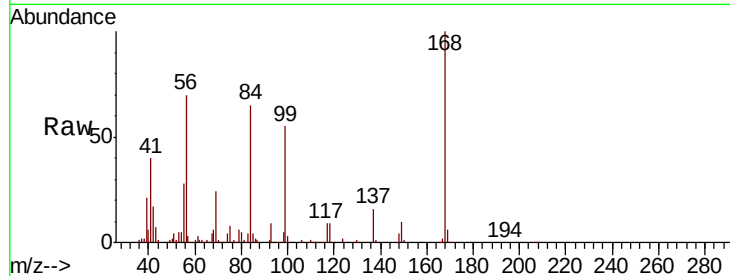




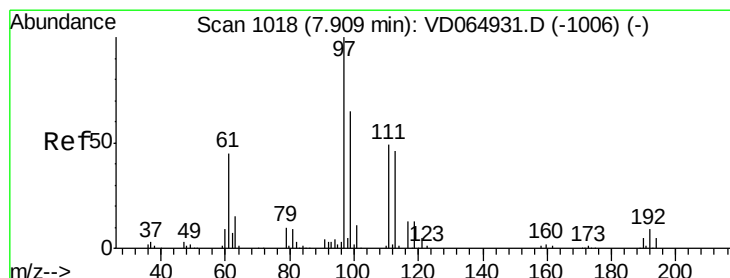
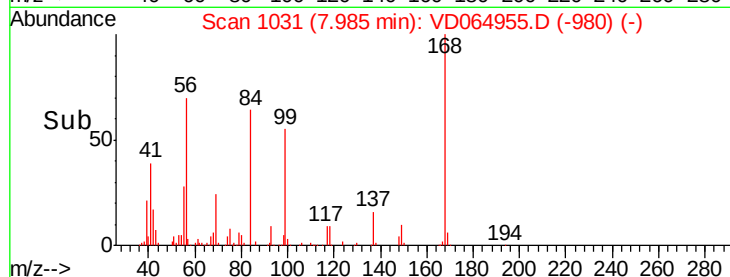
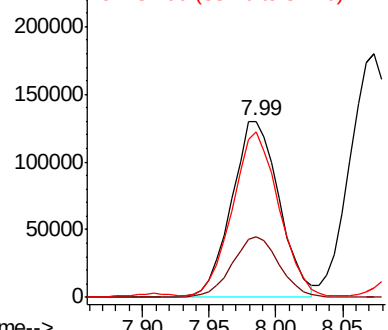
#31
Cyclohexane
Concen: 45.183 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 322154
Ion Ratio Lower Upper
56 100
69 34.3 27.9 41.9
84 91.9 72.8 109.2

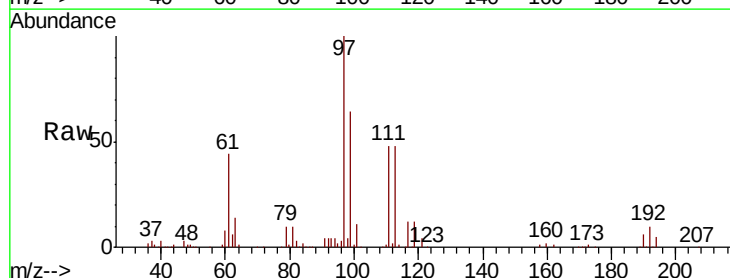


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

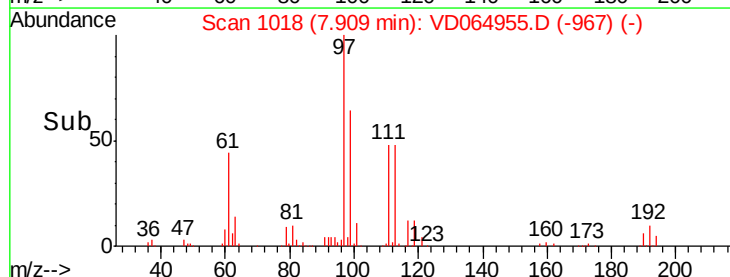
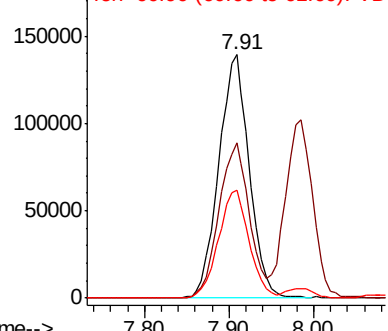


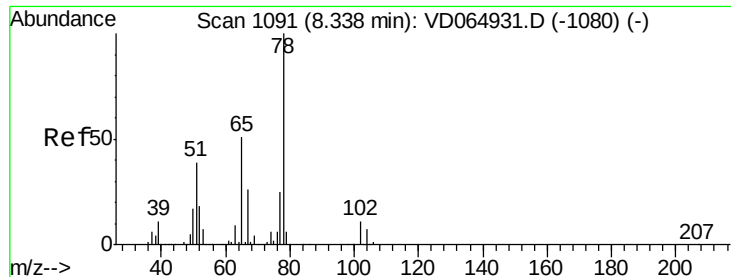
#32
1,1,1-Trichloroethane
Concen: 50.145 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 97 Resp: 349516
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 44.7 35.7 53.5



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

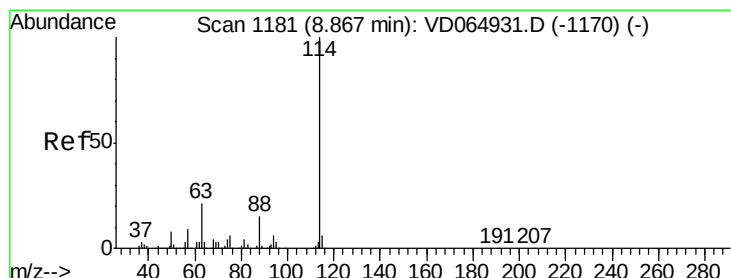
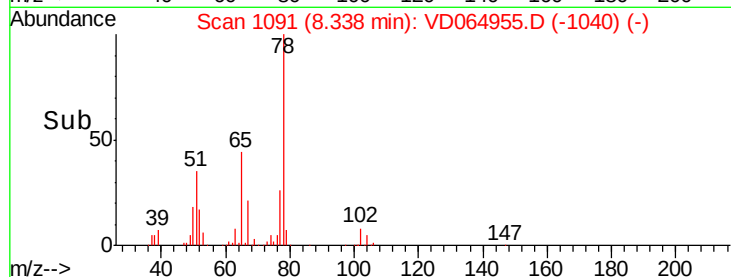
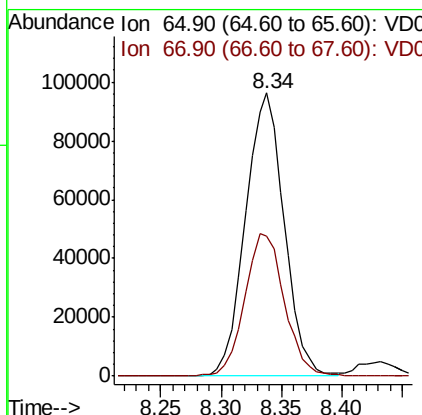
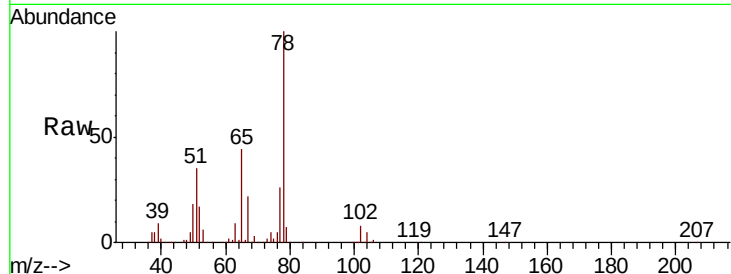




#33
 1,2-Dichloroethane-d4
 Concen: 52.534 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

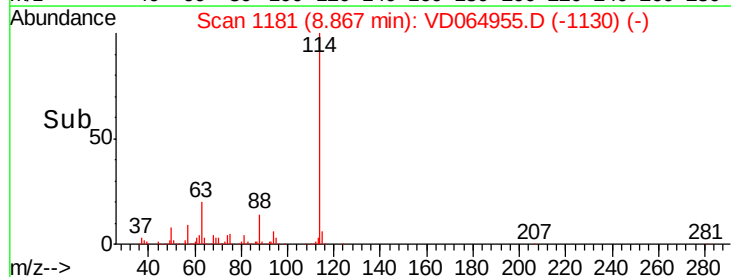
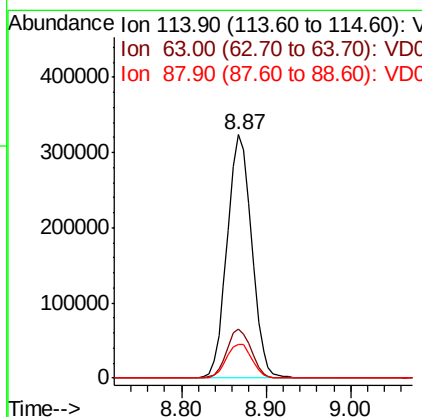
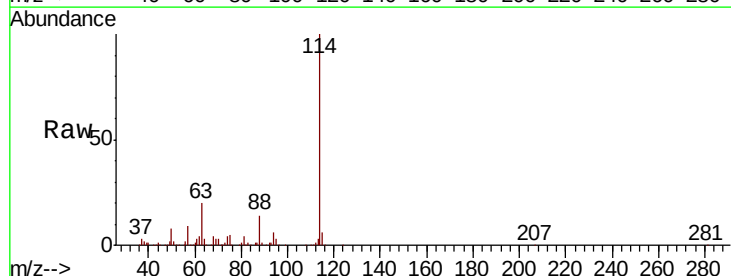
Instrument :
 MSVOA_D
 ClientSampleId :

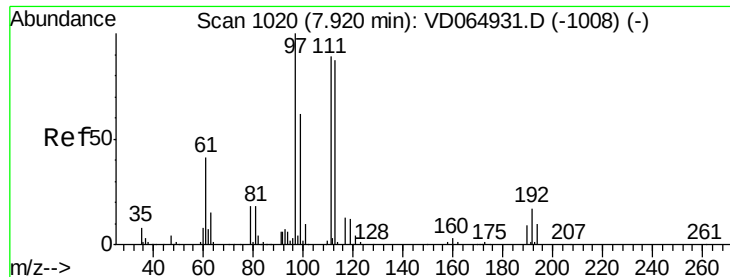
Tot Ion: 65 Resp: 214993
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 114 Resp: 648586
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.0
 88 14.0 0.0 29.4

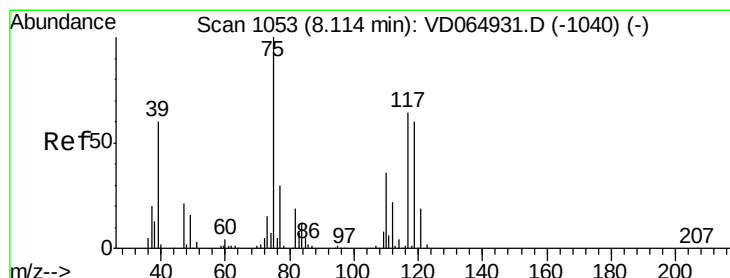
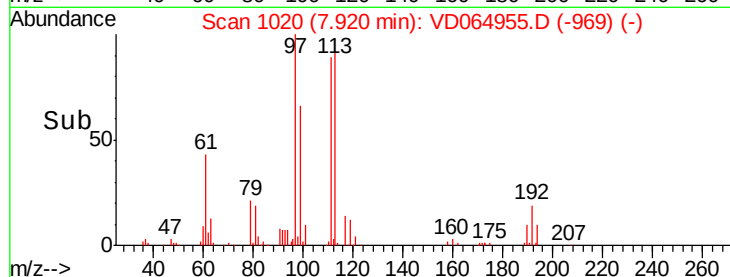
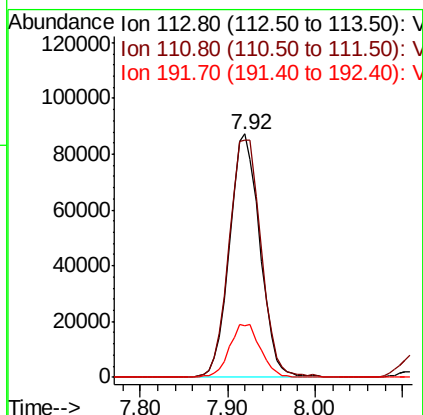
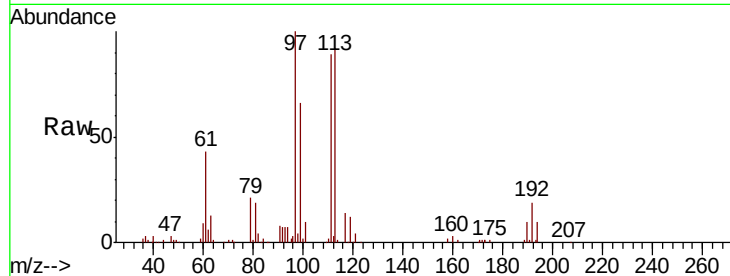




#35
 Dibromofluoromethane
 Concen: 50.337 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

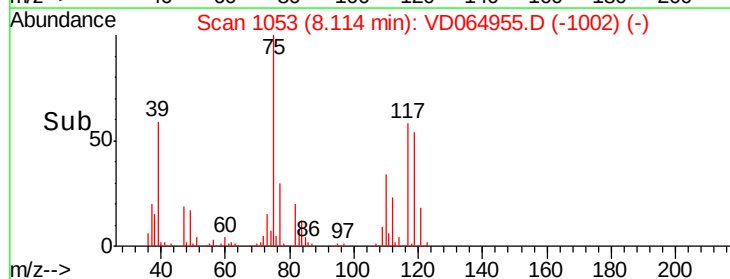
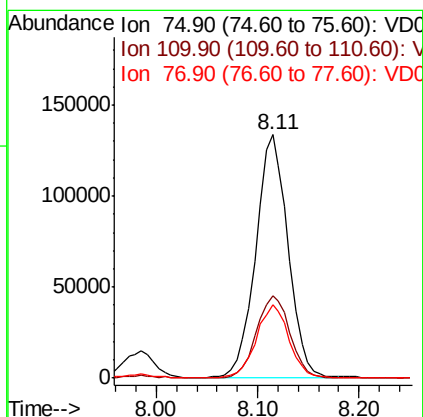
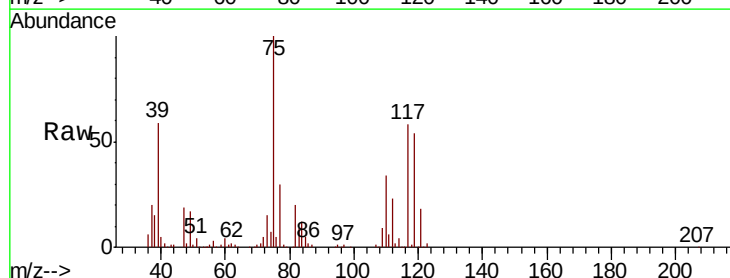
Instrument :
 MSVOA_D
 ClientSampled :

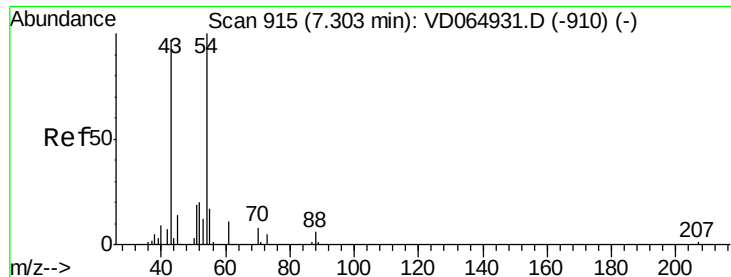
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	22.1	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 47.801 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.3	52.0
77	30.6	24.7	37.1

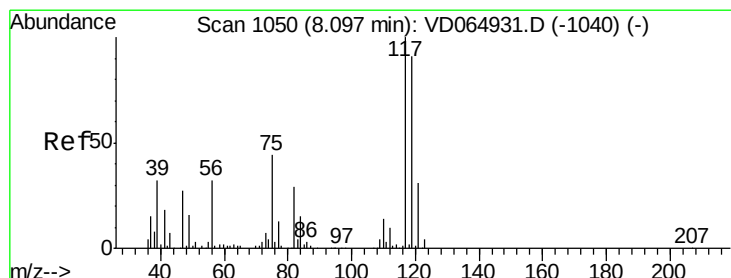
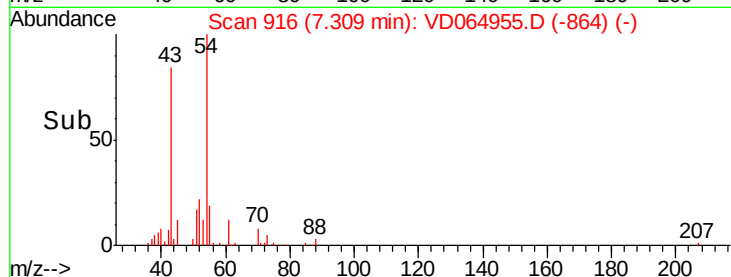
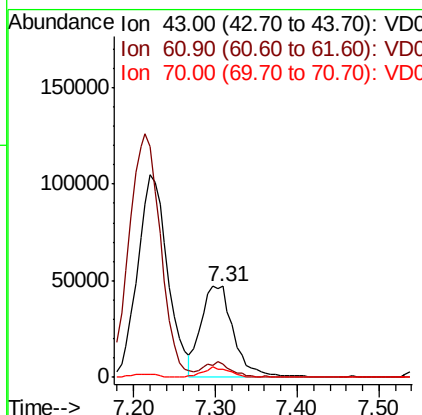
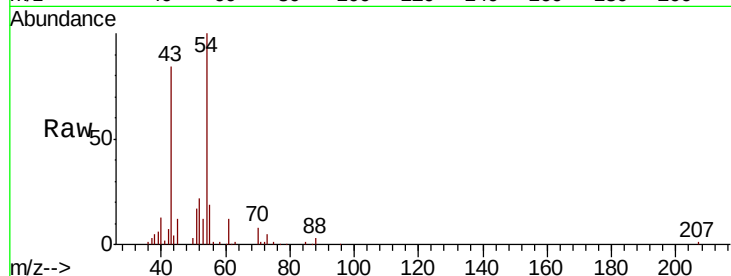




#37
Ethyl Acetate
Concen: 50.138 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

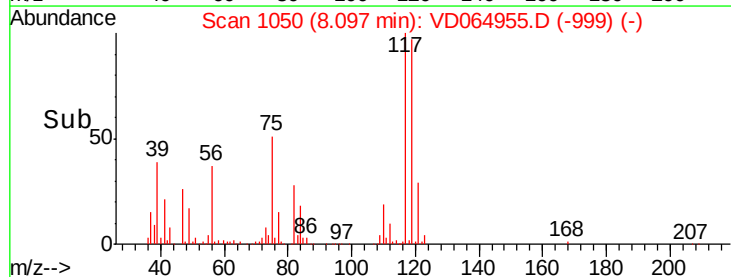
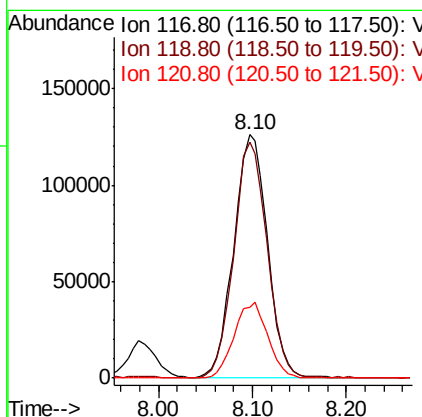
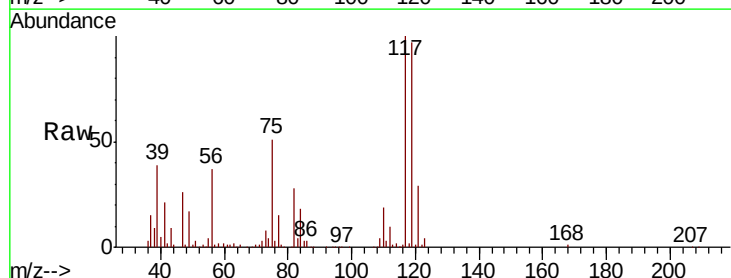
Instrument :
MSVOA_D
ClientSampled :

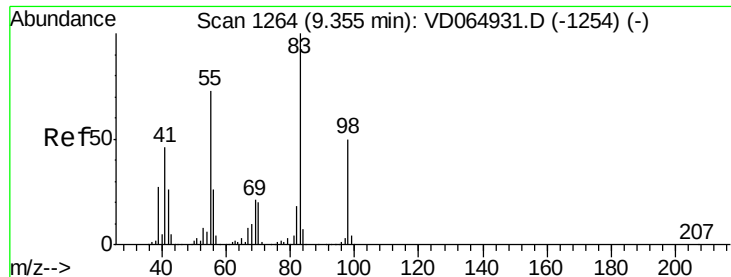
Tot Ion: 43 Resp: 129525
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 9.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 47.206 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 117 Resp: 312050
Ion Ratio Lower Upper
117 100
119 96.8 73.2 109.8
121 29.3 24.4 36.6

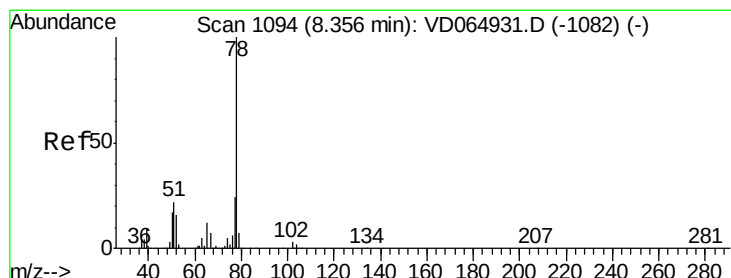
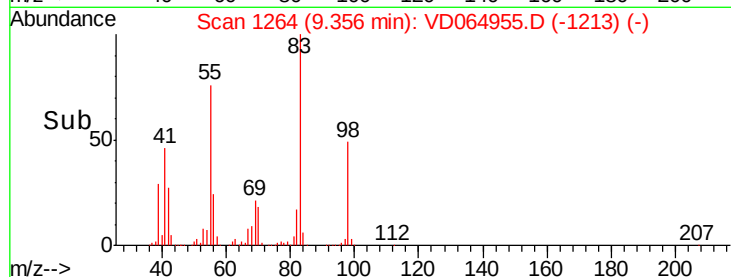
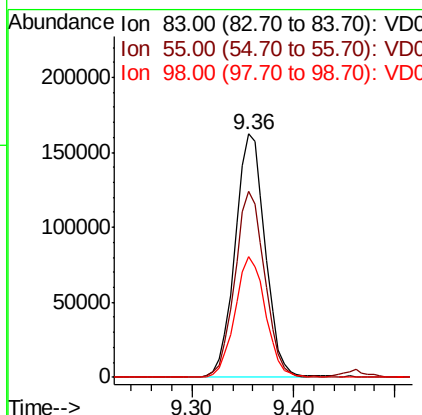
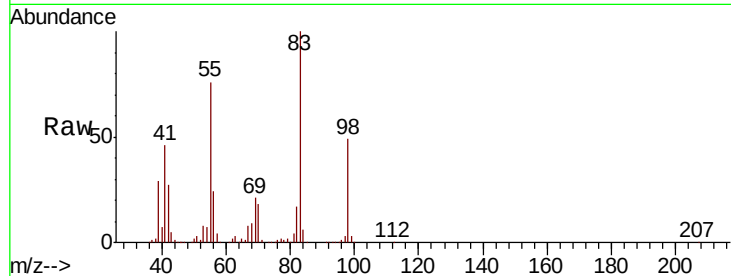




#39
Methylvlcyclohexane
Concen: 45.756 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

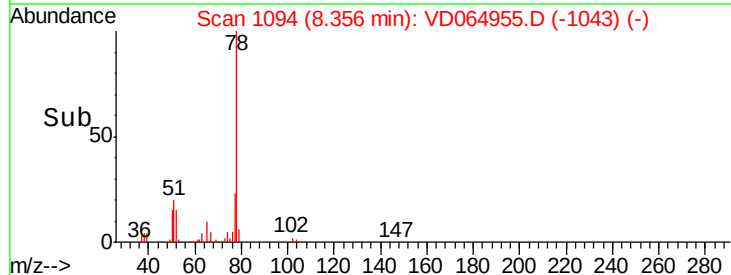
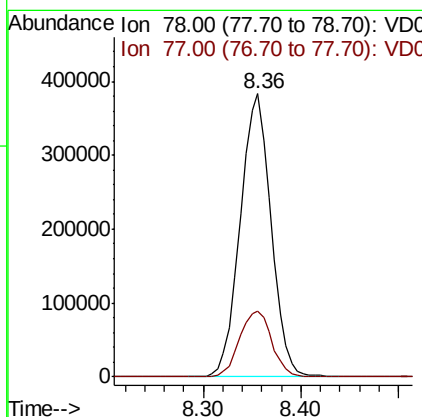
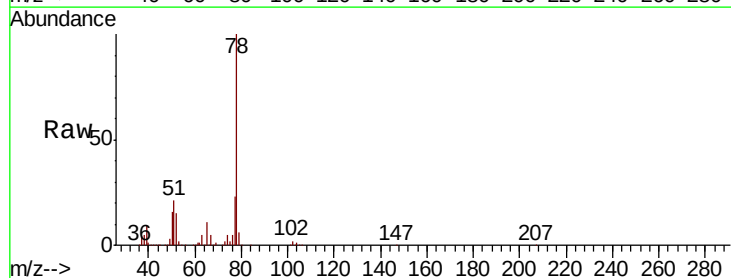
Instrument :
MSVOA_D
ClientSampled :

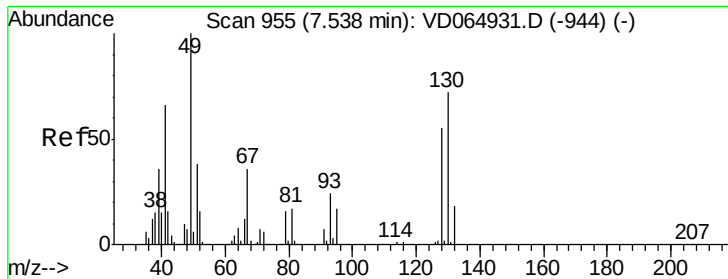
Tot Ion: 83 Resp: 334562
Ion Ratio Lower Upper
83 100
55 76.4 58.7 88.1
98 49.4 40.2 60.2



#40
Benzene
Concen: 49.209 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 78 Resp: 847622
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





#41

Methacrylonitrile

Concen: 129.658 ug/l

RT: 7.57 min Scan# 960

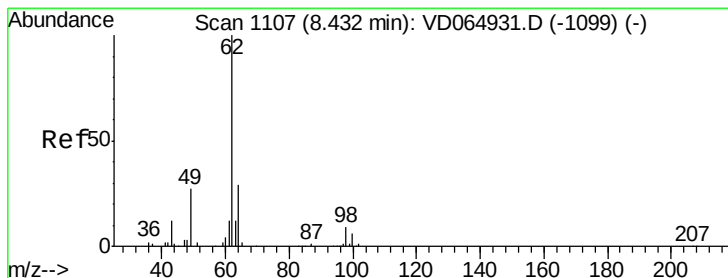
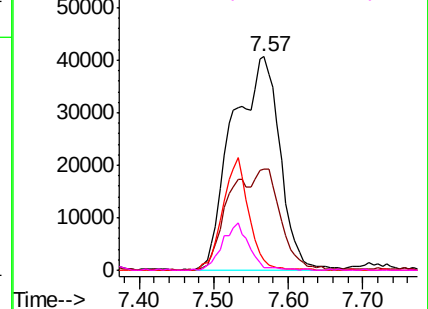
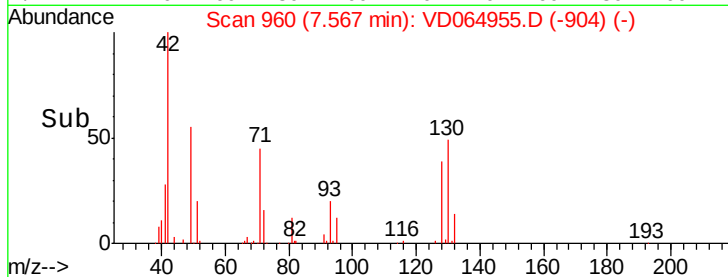
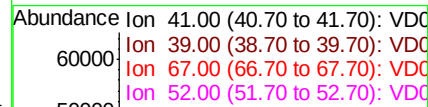
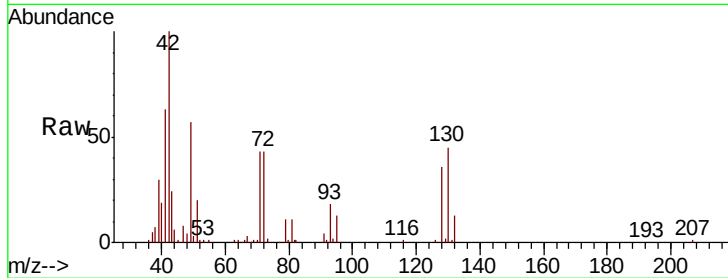
Delta R.T. 0.03 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	180437
Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#



#42

1,2-Dichloroethane

Concen: 49.245 ug/l

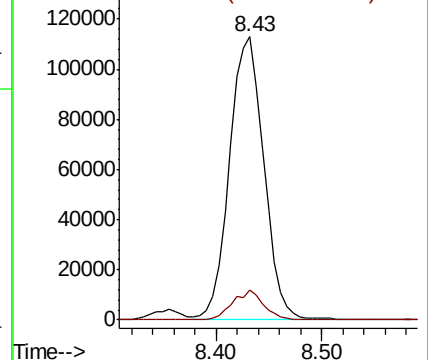
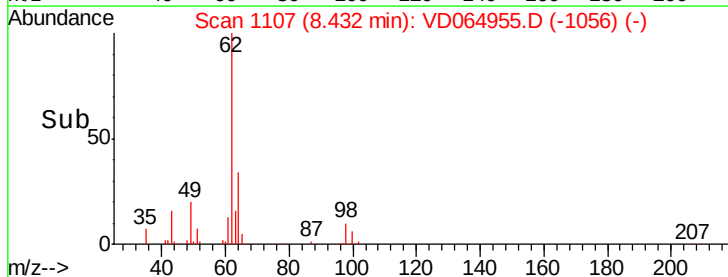
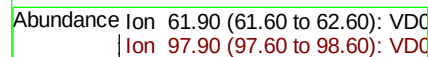
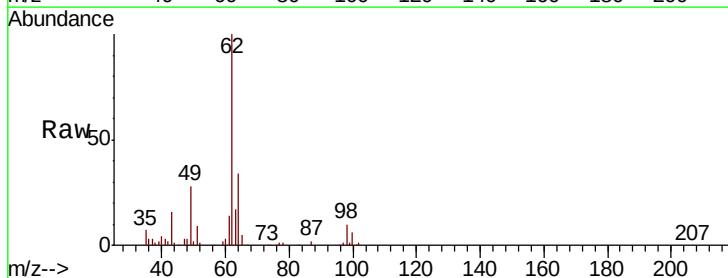
RT: 8.43 min Scan# 1107

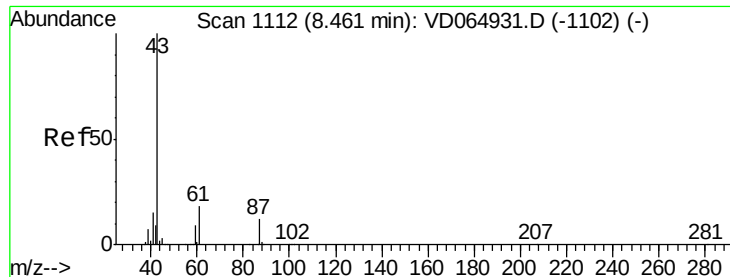
Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	62	Resp:	252678
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.197 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

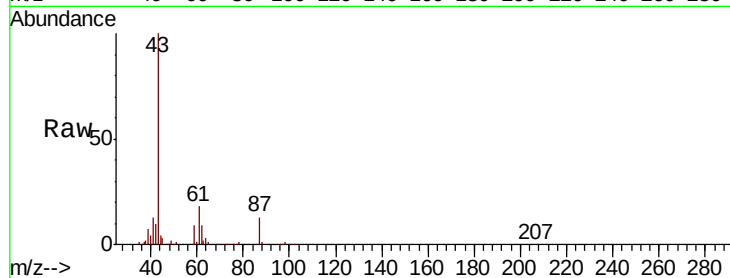
Tot Ion: 43 Resp: 251230

Ion Ratio Lower Upper

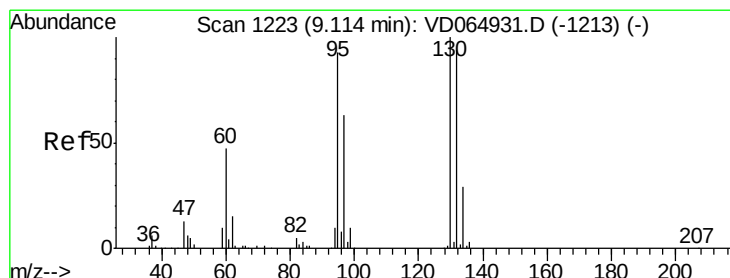
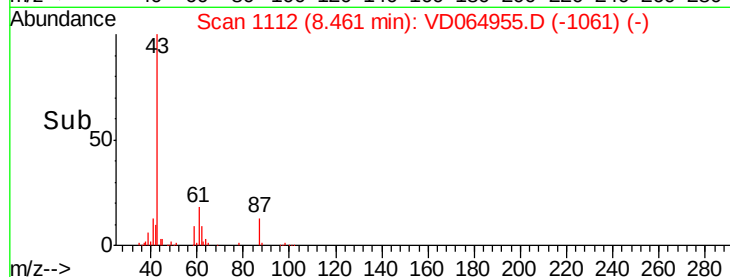
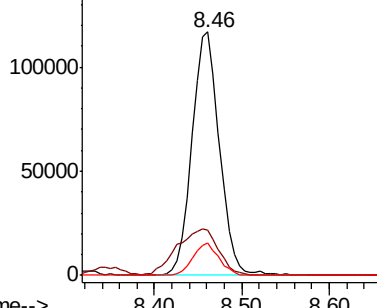
43 100

61 28.9 23.8 35.6

87 12.6 10.3 15.5



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



#44

Trichloroethene

Concen: 49.294 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064955.D

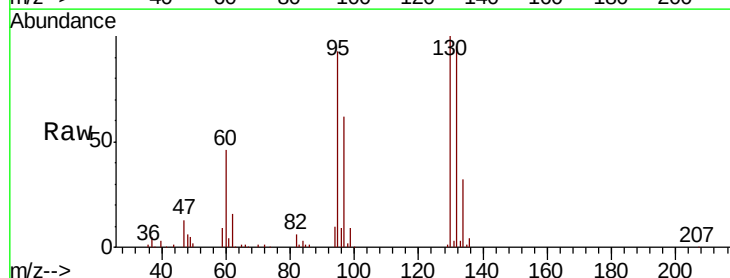
Acq: 24 Jan 2020 20:59

Tgt Ion:130 Resp: 237636

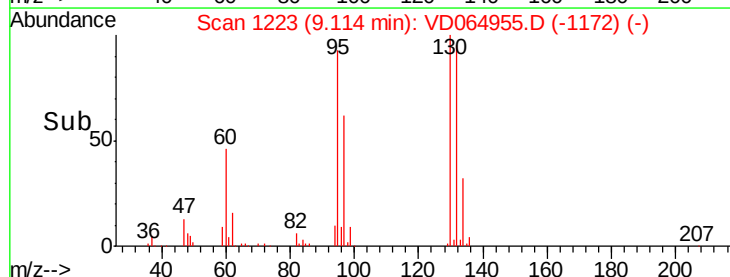
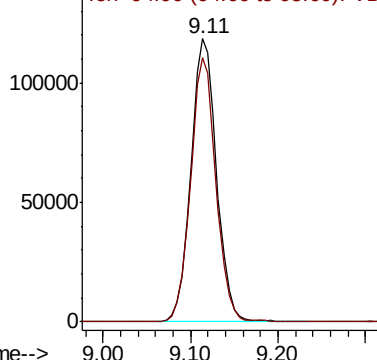
Ion Ratio Lower Upper

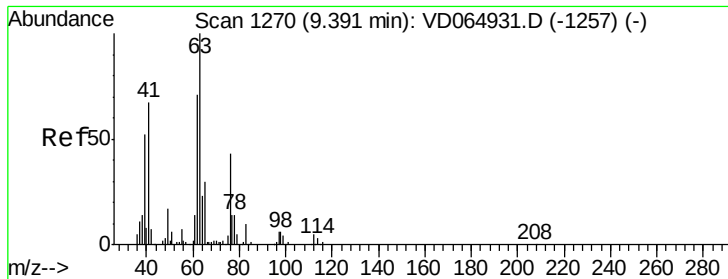
130 100

95 93.2 0.0 185.8



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

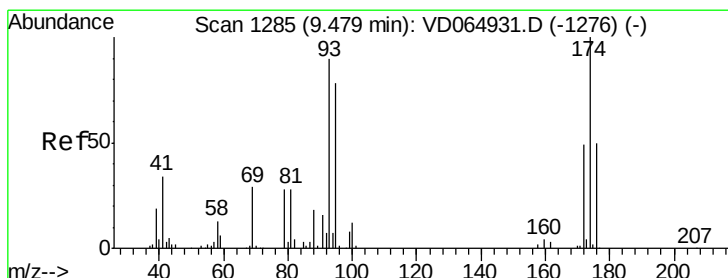
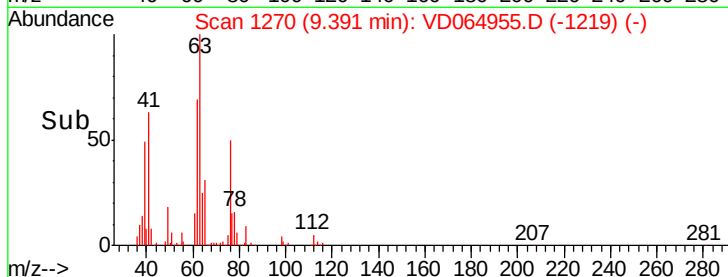
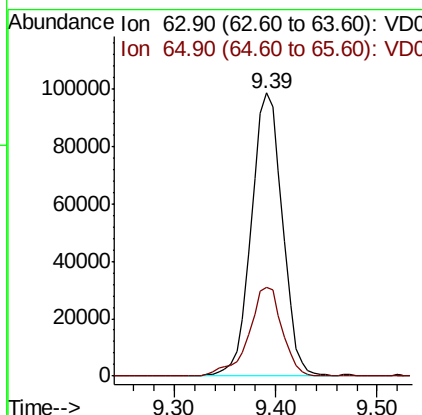
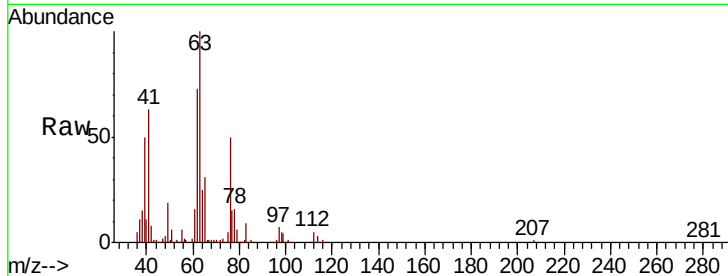




#45
 1,2-Dichloropropane
 Concen: 50.287 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

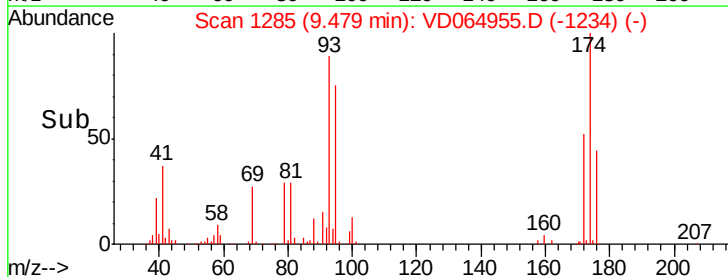
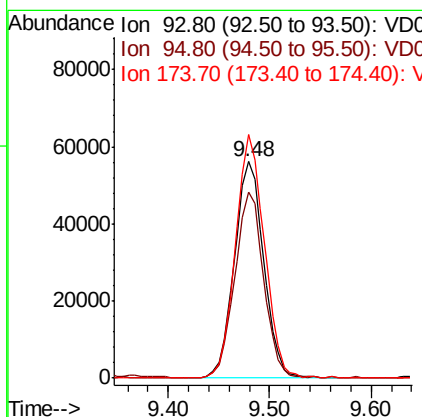
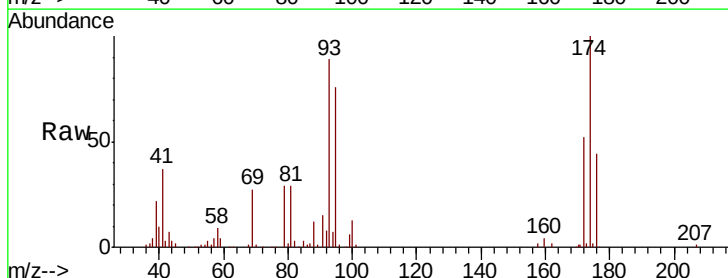
Instrument :
 MSVOA_D
 ClientSampled :

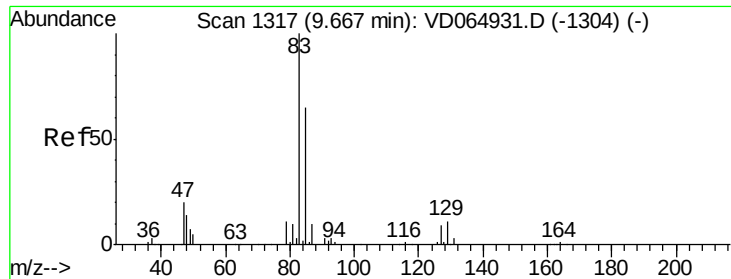
Tot Ion: 63 Resp: 209985
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5



#46
 Dibromomethane
 Concen: 49.644 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 93 Resp: 113176
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.5 101.3
 174 110.3 88.4 132.6

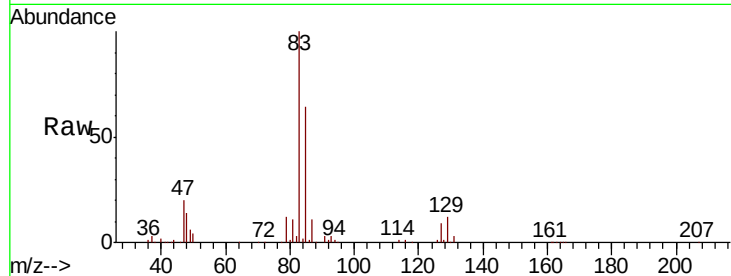




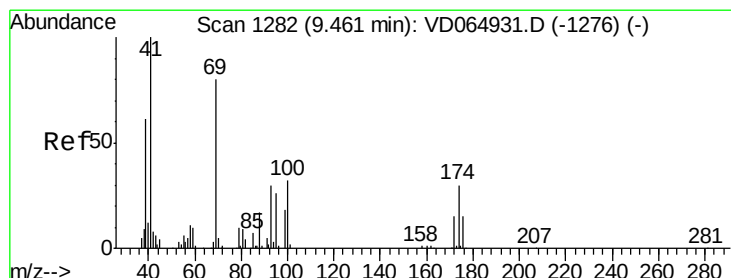
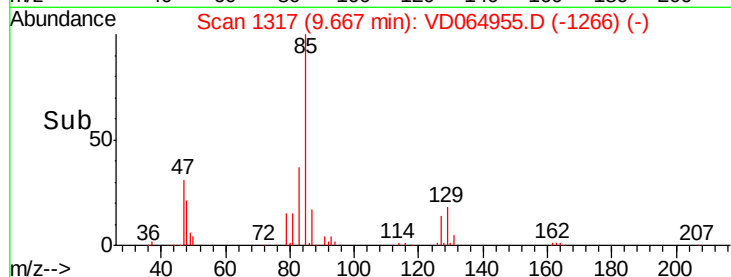
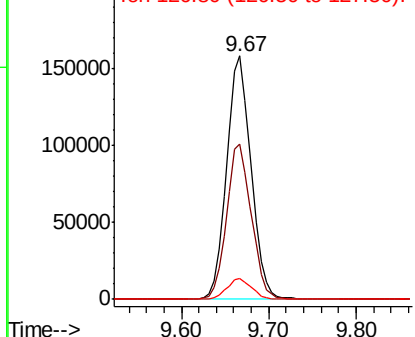
#47
Bromodichloromethane
Concen: 51.062 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 302912
Ion Ratio Lower Upper
83 100
85 63.8 52.0 78.0
127 8.7 7.3 10.9

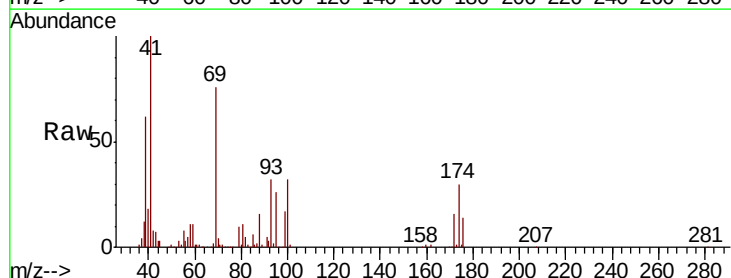


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

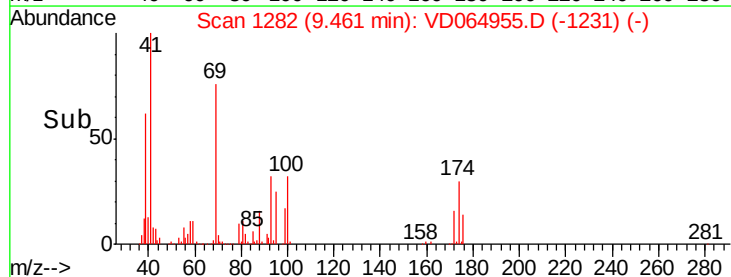
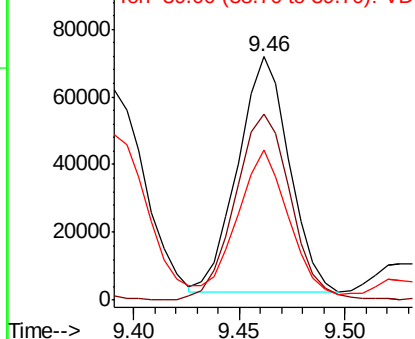


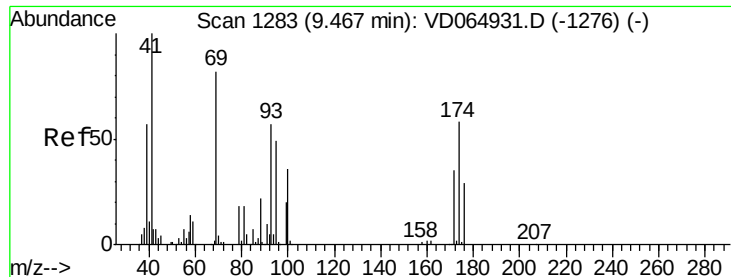
#48
Methyl methacrylate
Concen: 52.103 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 41 Resp: 117660
Ion Ratio Lower Upper
41 100
69 84.6 65.8 98.8
39 59.9 49.4 74.0



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: 961.712 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :

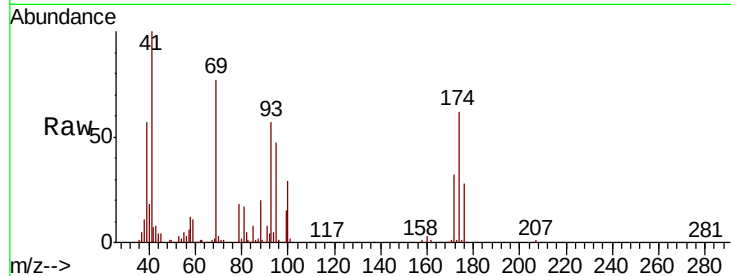
Tot Ion: 88 Resp: 25428

Ion Ratio Lower Upper

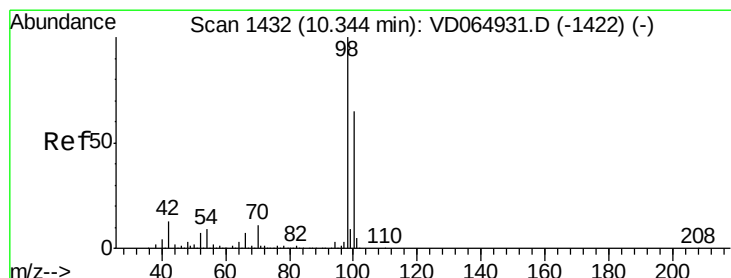
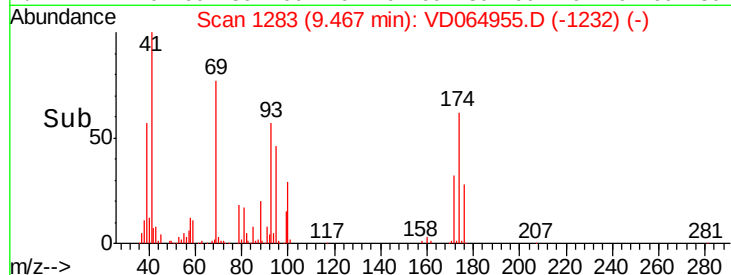
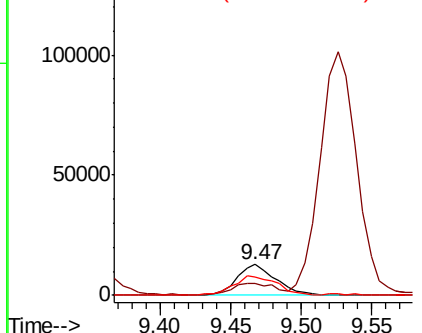
88 100

43 40.2 26.2 39.4#

58 68.3 50.3 75.5



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



#50

Toluene-d8

Concen: 50.215 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064955.D

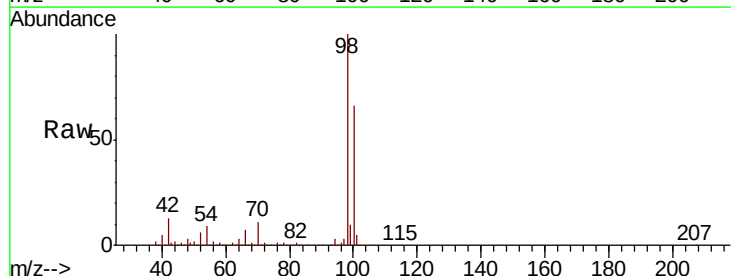
Acq: 24 Jan 2020 20:59

Tgt Ion: 98 Resp: 789938

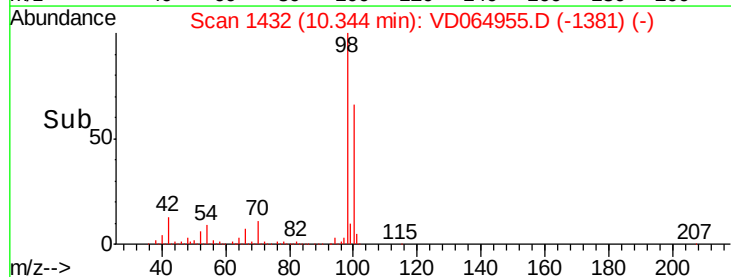
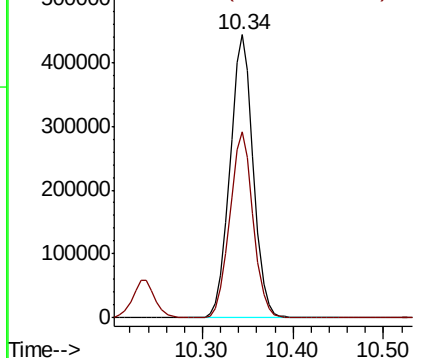
Ion Ratio Lower Upper

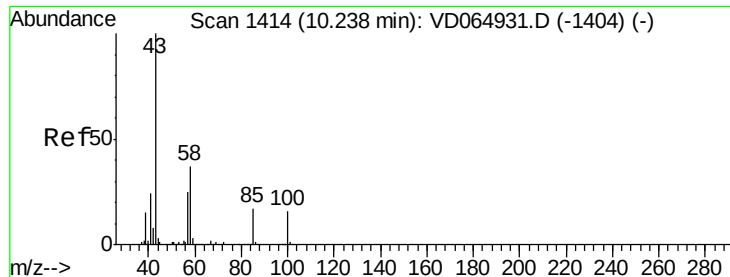
98 100

100 65.7 52.3 78.5



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

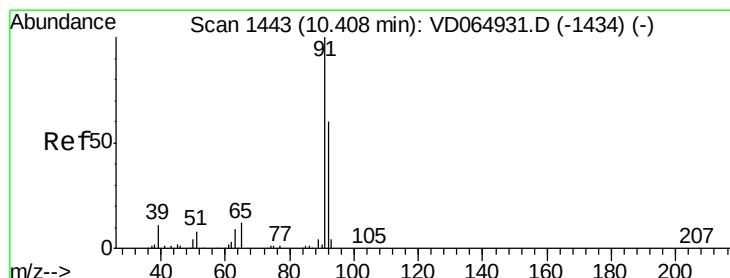
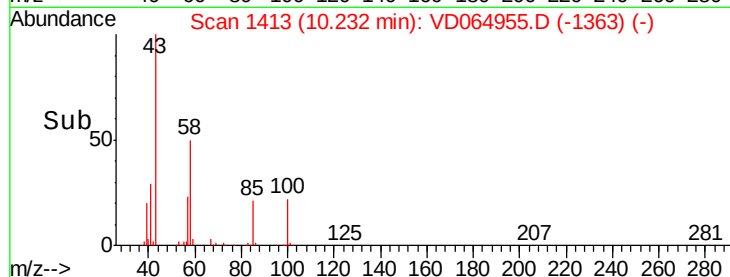
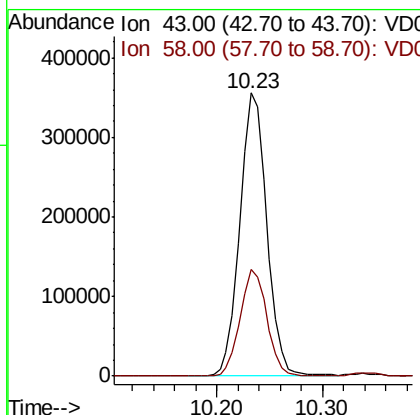
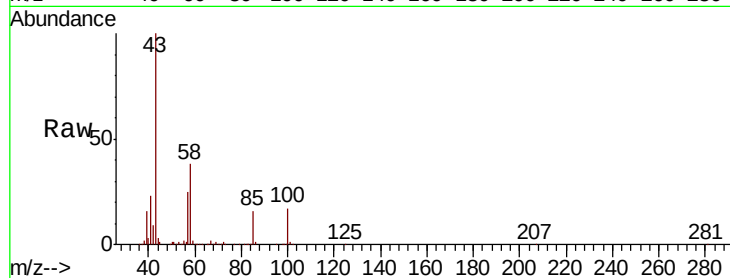




#51
 4-Methyl-2-Pentanone
 Concen: 256.698 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

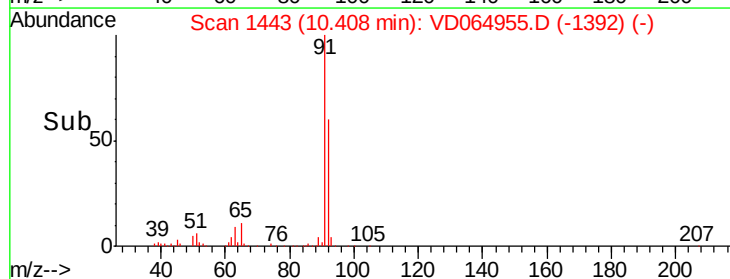
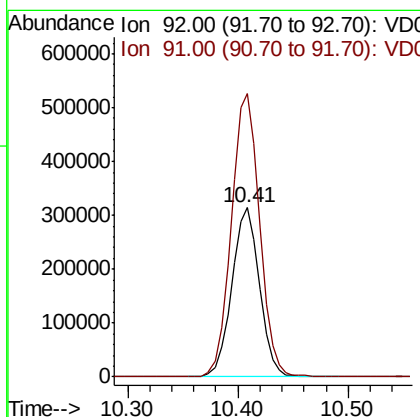
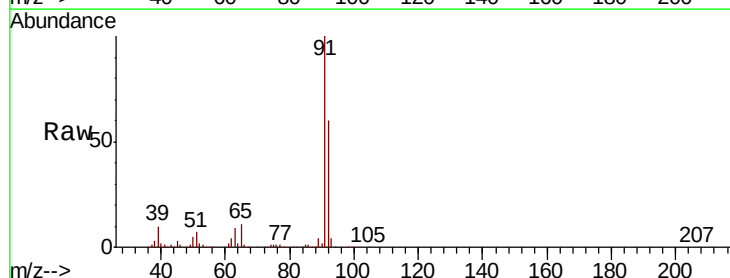
Instrument :
 MSVOA_D
 ClientSampleId :

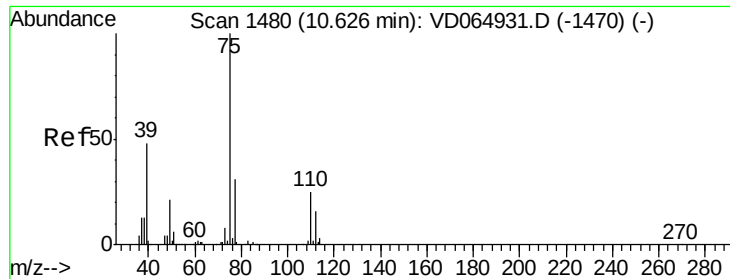
Tot Ion: 43 Resp: 630287
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.4 45.6



#52
 Toluene
 Concen: 49.676 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 92 Resp: 551668
 Ion Ratio Lower Upper
 92 100
 91 171.7 136.8 205.2

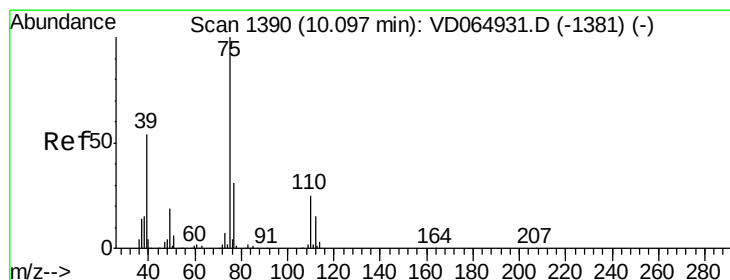
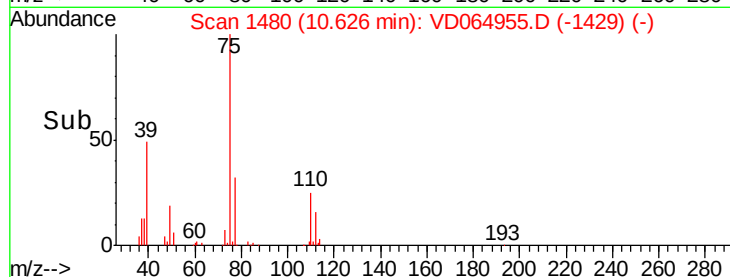
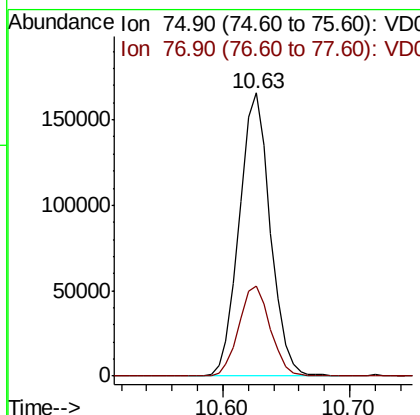
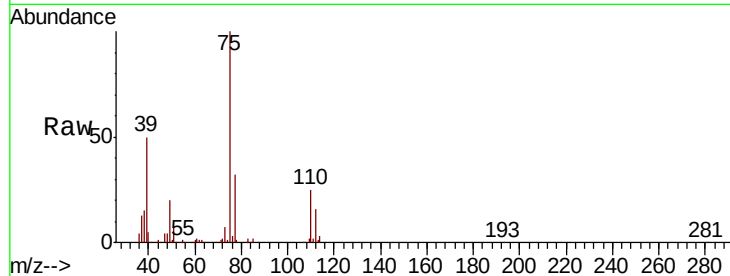




#53
t-1,3-Dichloropropene
Concen: 49.845 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

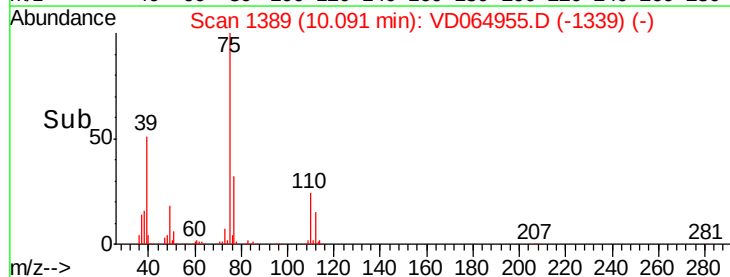
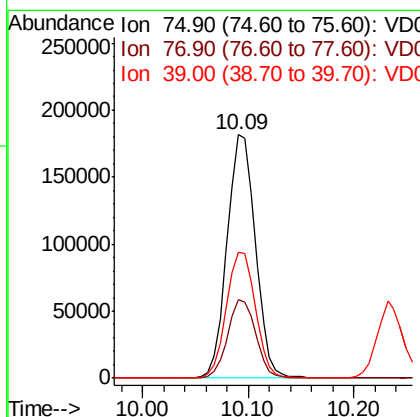
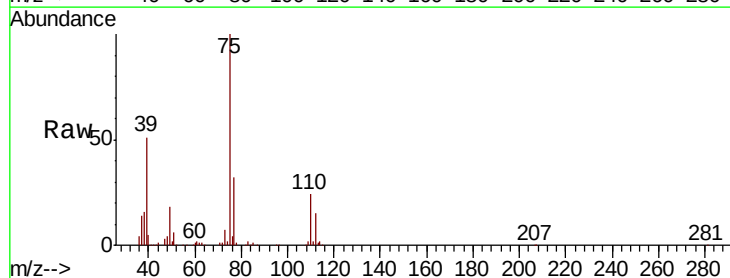
Instrument :
MSVOA_D
ClientSampled :

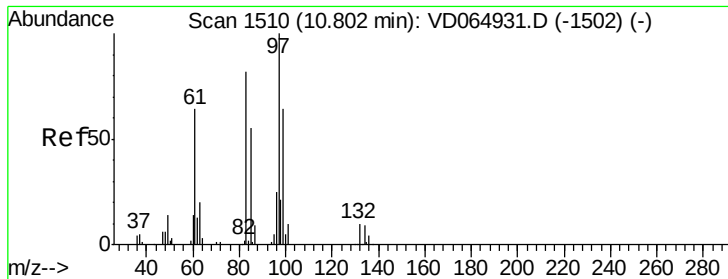
Tot Ion: 75 Resp: 281659
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 50.865 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 75 Resp: 336521
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 51.3 43.0 64.6

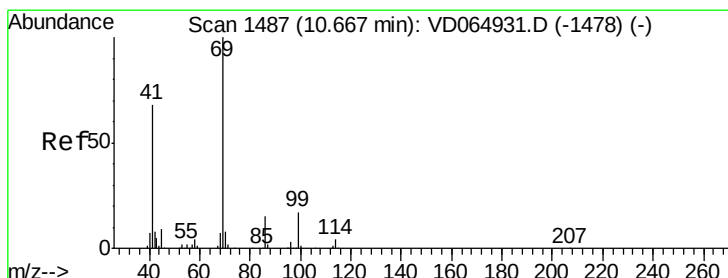
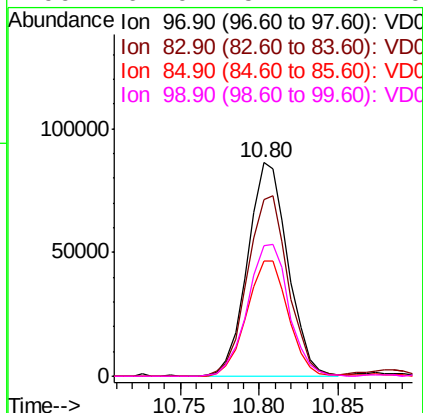
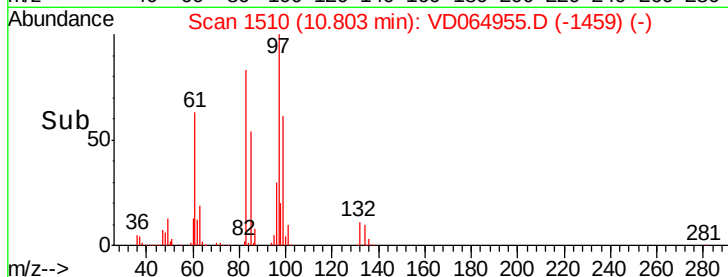
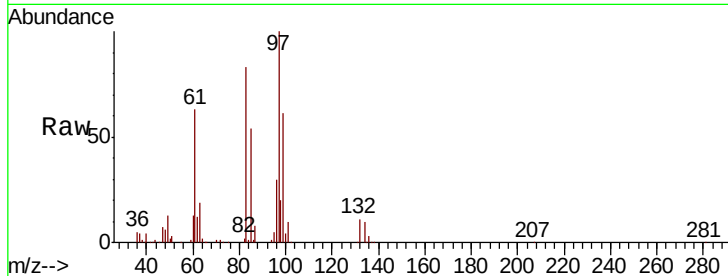




#55
 1,1,2-Trichloroethane
 Concen: 49.814 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

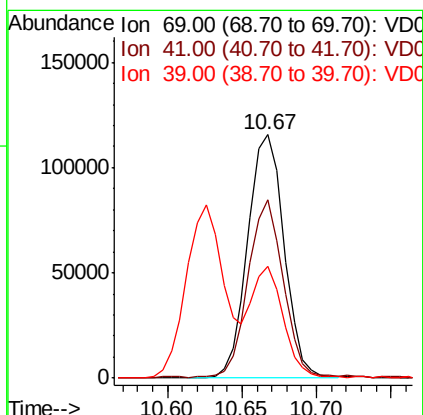
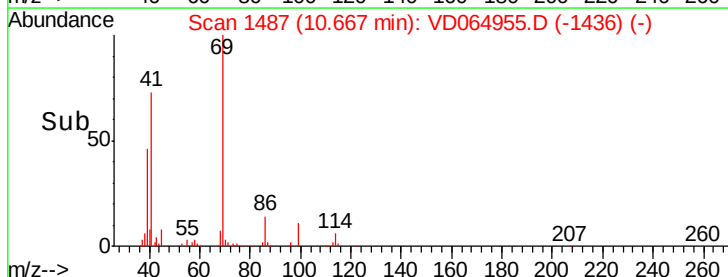
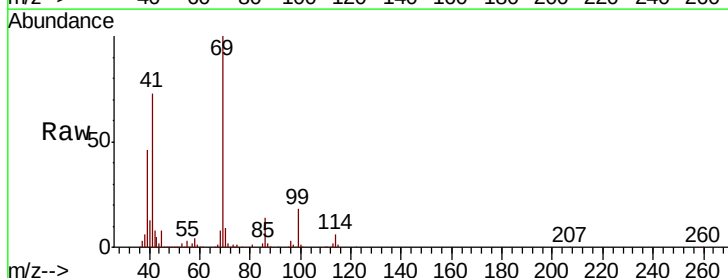
Instrument :
 MSVOA_D
 ClientSampled :

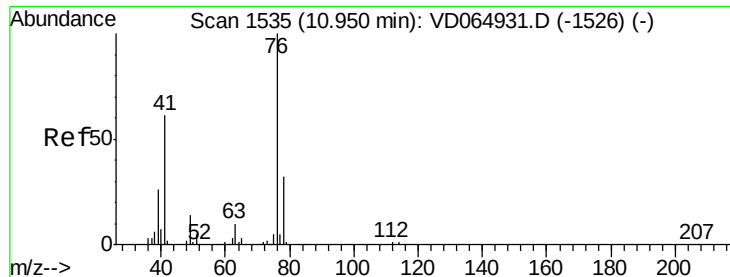
Tot Ion:	97	Resp:	152971
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.0	99.0
85	54.2	44.4	66.6
99	61.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 53.125 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion:	69	Resp:	195085
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.4	84.6
39	39.5	30.6	46.0





#57

1,3-Dichloropropane

Concen: 51.067 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

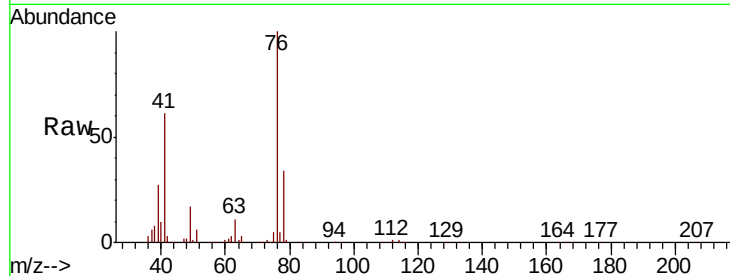
ClientSampleId :

Tot Ion: 76 Resp: 268972

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

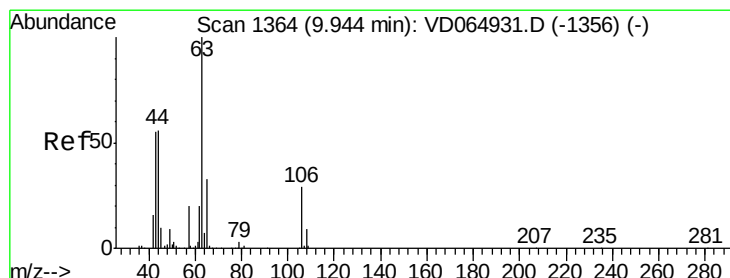
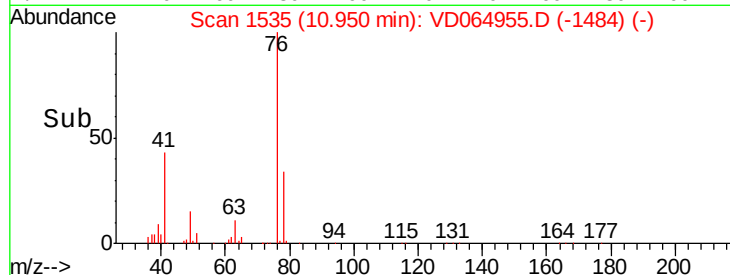
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.679 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064955.D

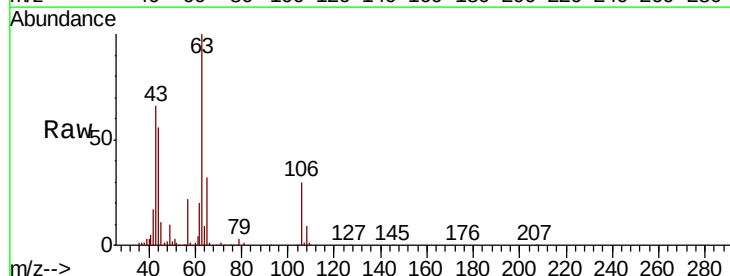
Acq: 24 Jan 2020 20:59

Tgt Ion: 63 Resp: 309486

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

200000

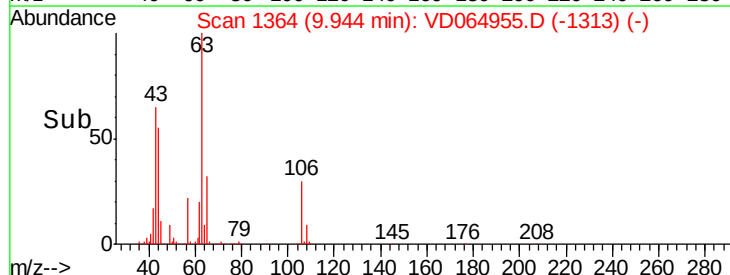
150000

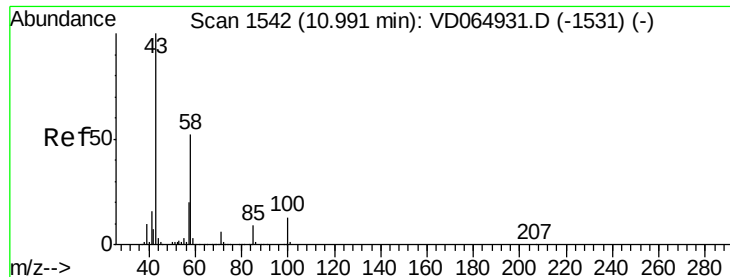
100000

50000

0

Time-->

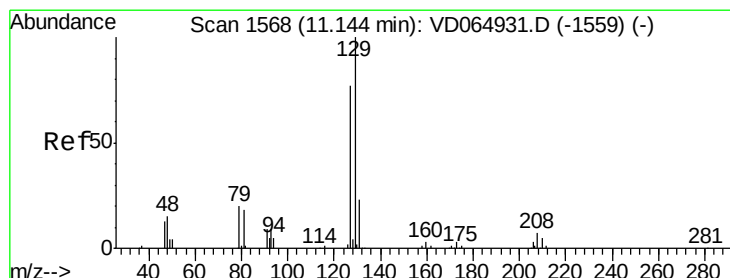
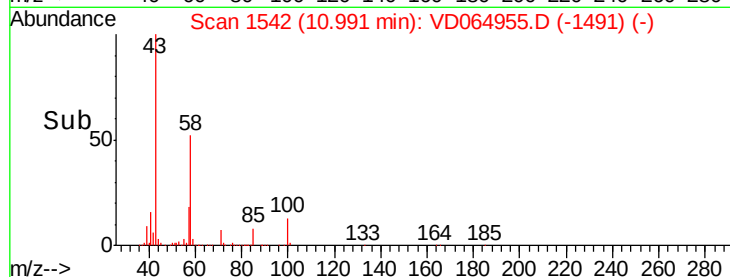
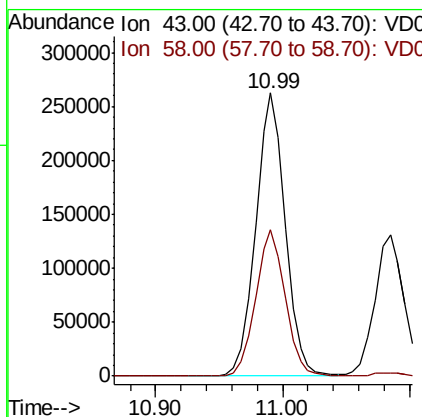
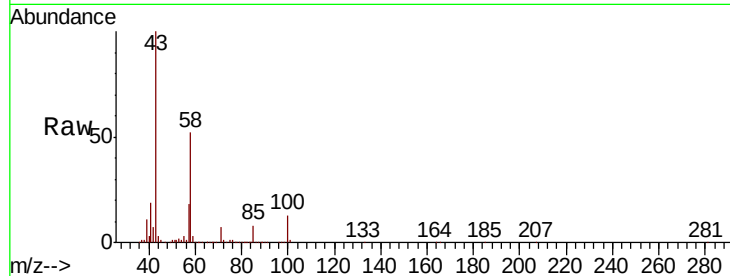




#59
2-Hexanone
Concen: 250.905 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

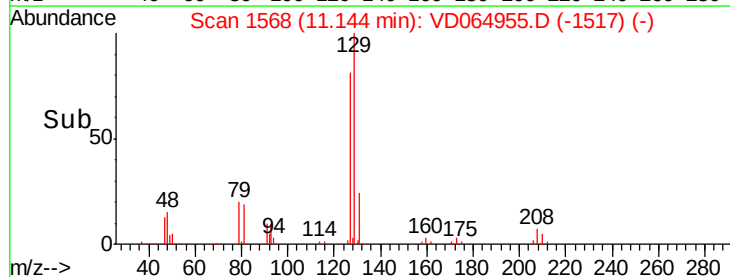
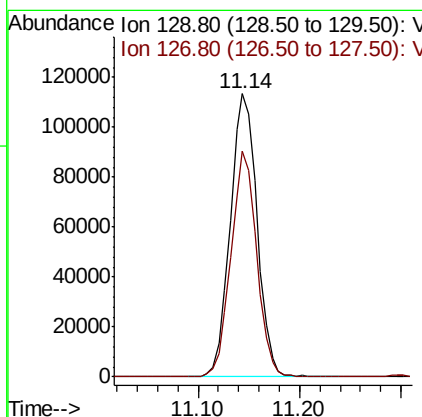
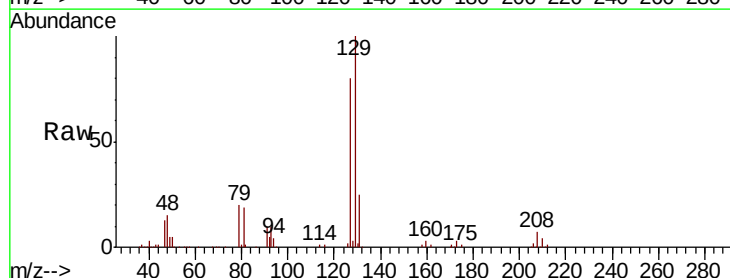
Instrument :
MSVOA_D
ClientSampled :

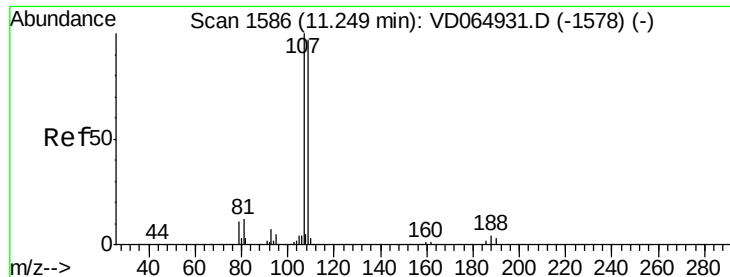
Tot Ion: 43 Resp: 424942
Ion Ratio Lower Upper
43 100
58 51.8 26.5 79.4



#60
Dibromochloromethane
Concen: 50.732 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 129 Resp: 208221
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6

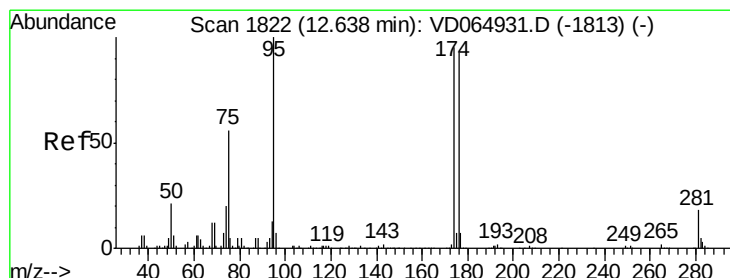
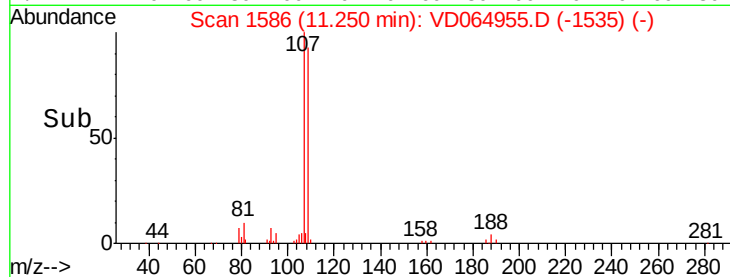
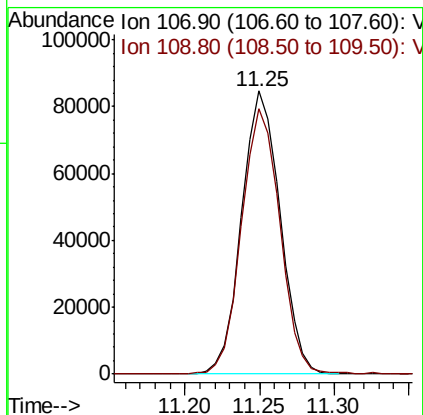
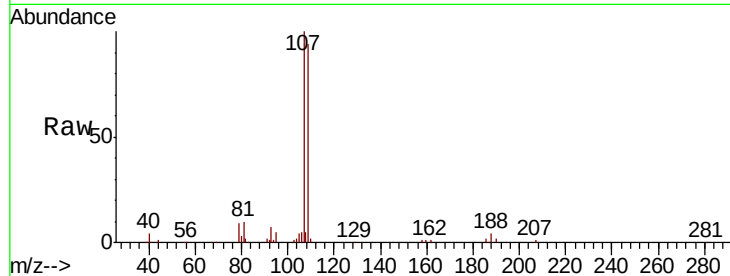




#61
 1,2-Dibromoethane
 Concen: 51.017 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

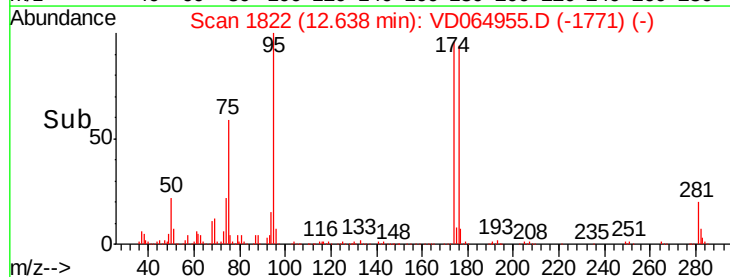
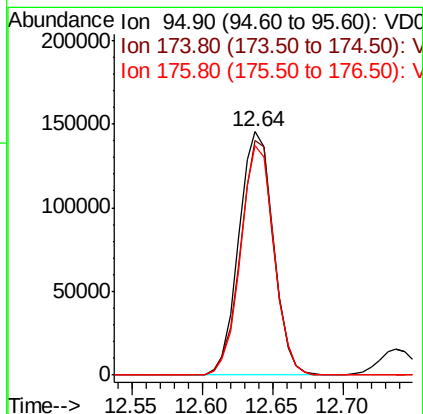
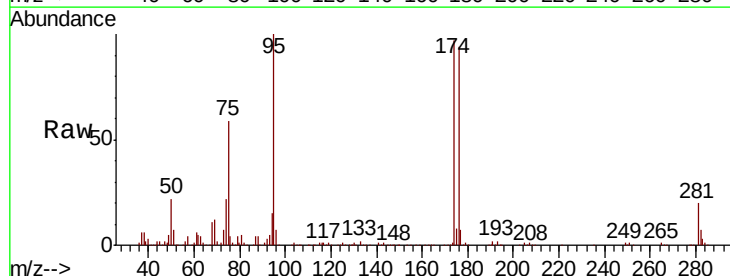
Instrument :
 MSVOA_D
 ClientSampleId :

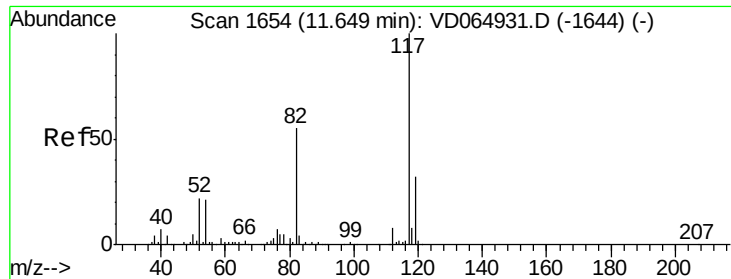
Tot Ion: 107 Resp: 150853
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 51.662 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 95 Resp: 248703
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 186.8
 176 90.9 0.0 183.4

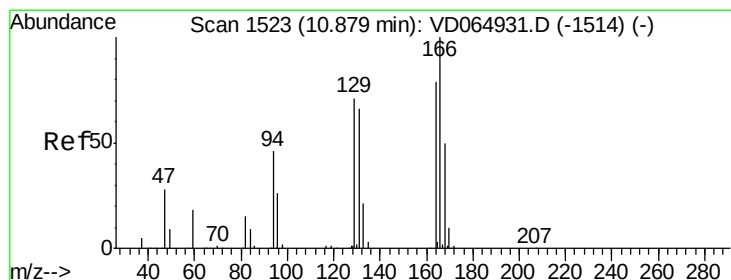
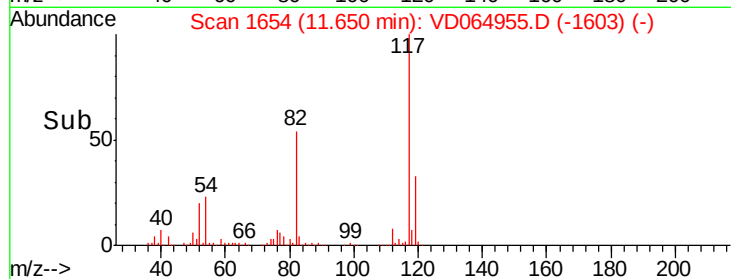
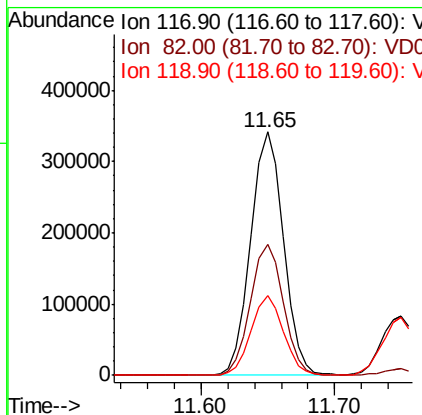
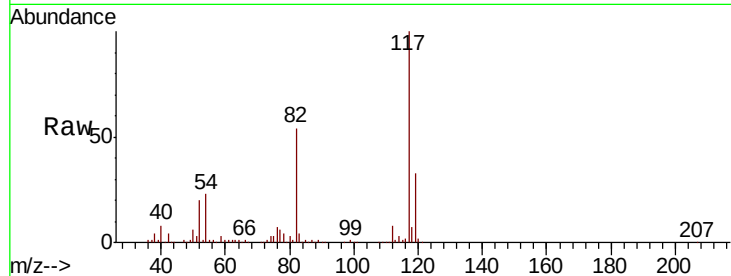




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

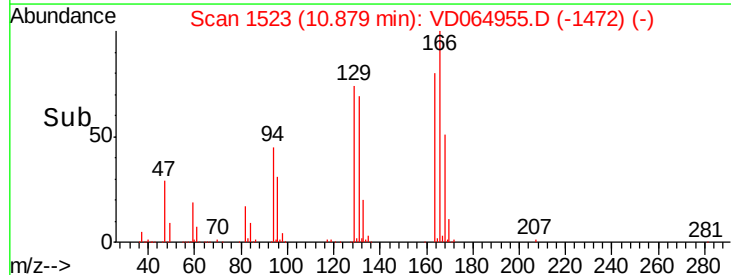
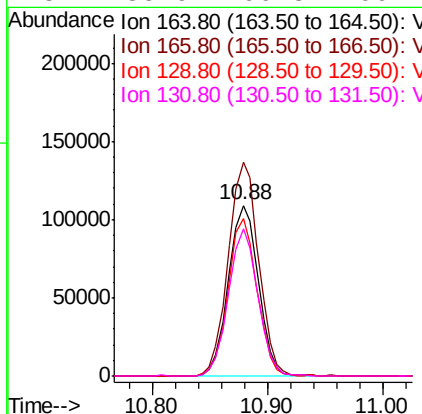
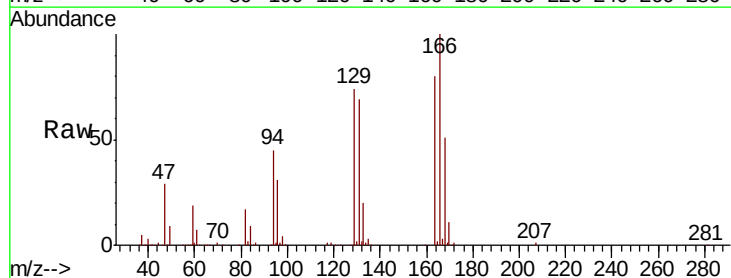
Instrument :
MSVOA_D
ClientSampled :

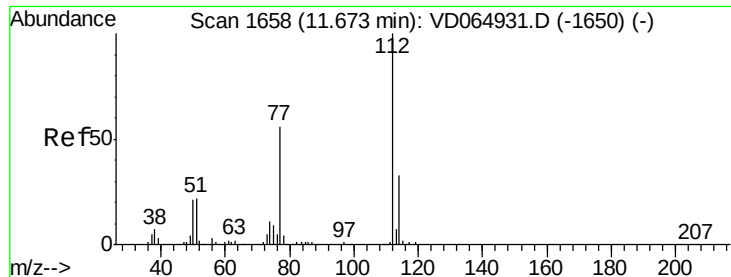
Tot Ion:117 Resp: 579871
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.8 25.2 37.8



#64
Tetrachloroethene
Concen: 46.956 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:164 Resp: 196760
Ion Ratio Lower Upper
164 100
166 125.0 101.4 152.2
129 92.4 71.8 107.8
131 85.9 66.8 100.2

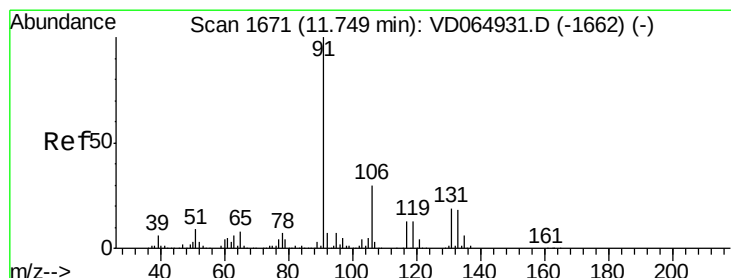
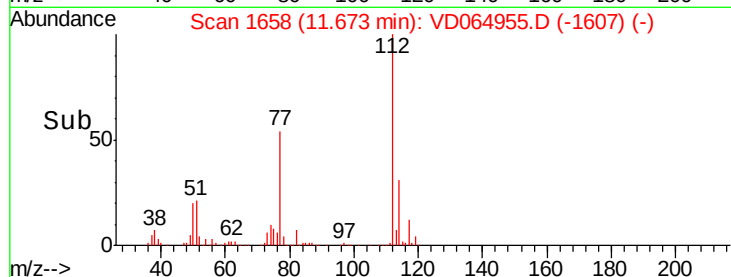
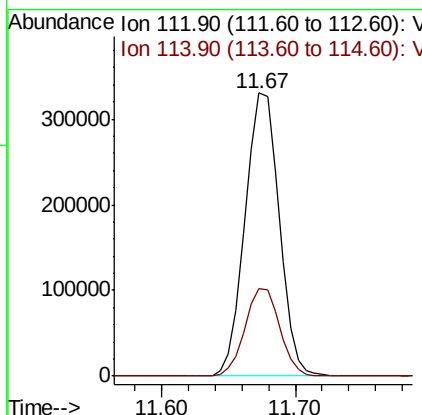
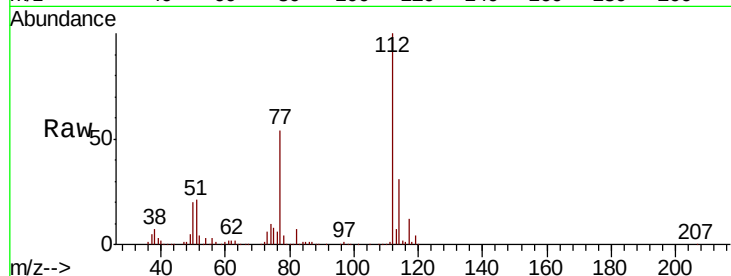




#65
Chlorobenzene
Concen: 49.697 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

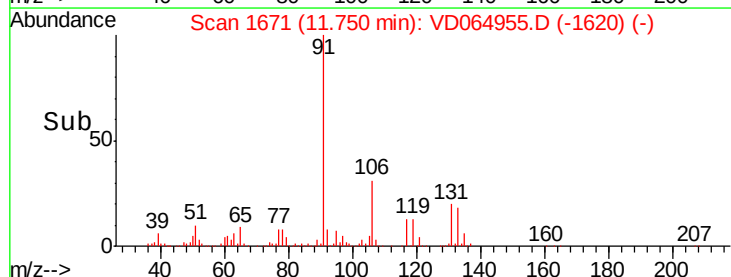
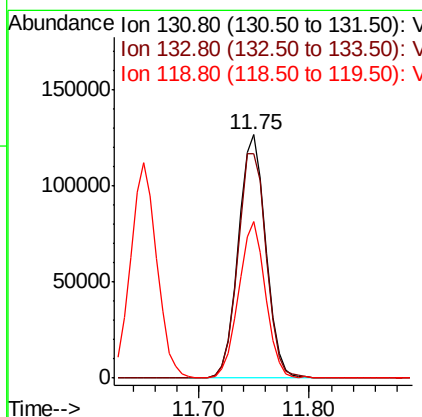
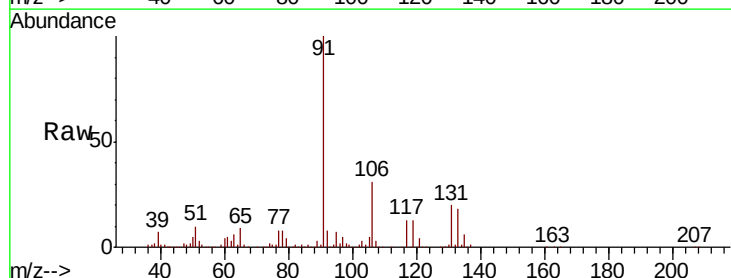
Instrument :
MSVOA_D
ClientSampleId :

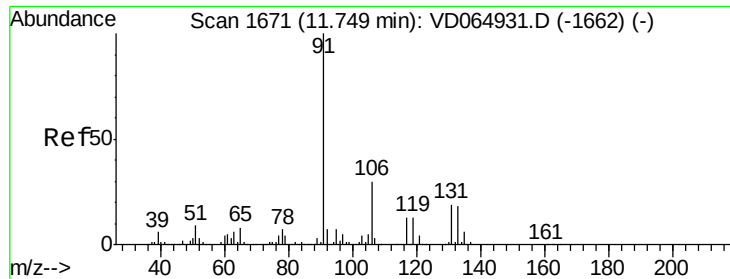
Tot Ion:112 Resp: 585111
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.910 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:131 Resp: 220991
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 63.2 31.1 93.5

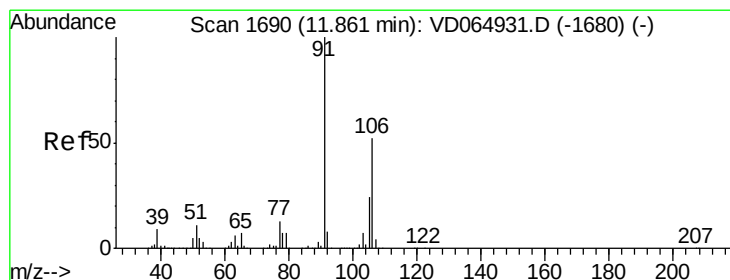
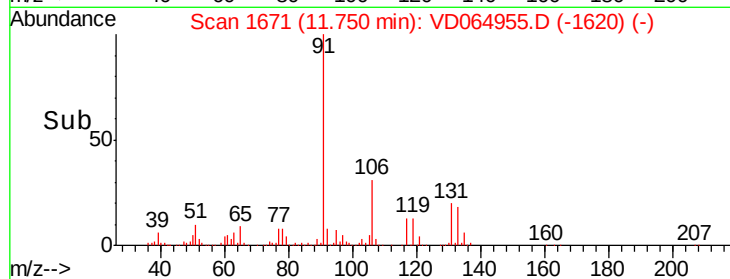
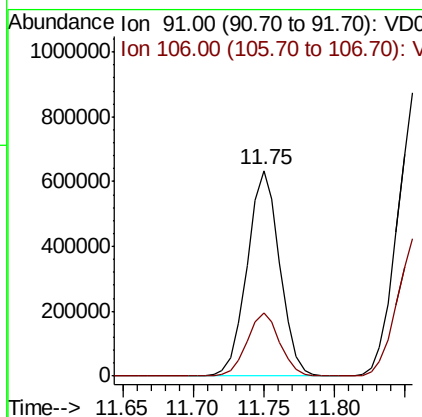
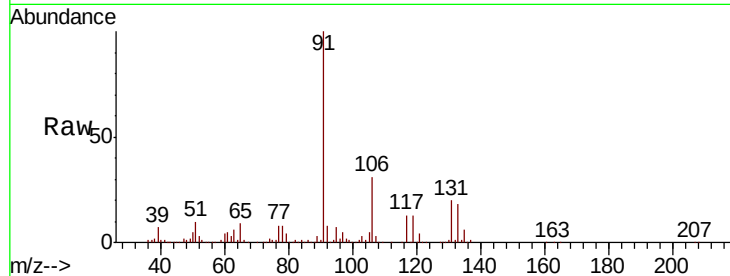




#67
Ethyl Benzene
Concen: 49.268 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

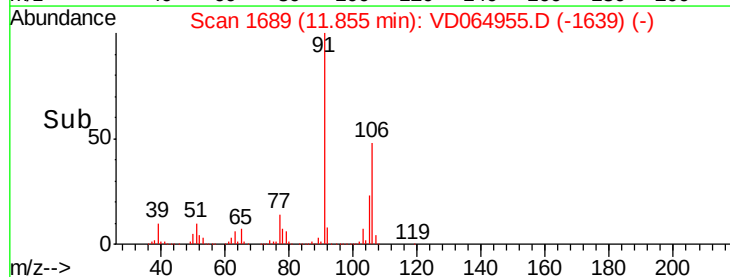
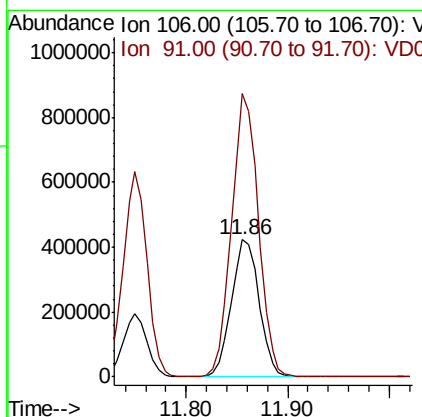
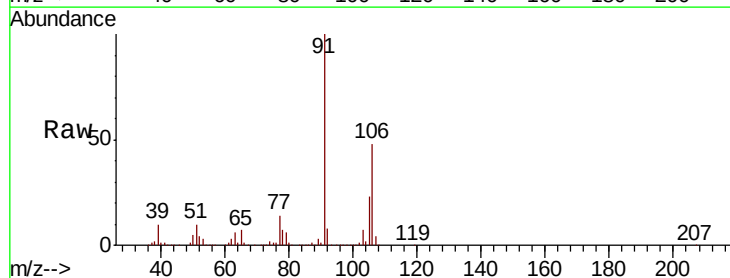
Instrument :
MSVOA_D
ClientSampled :

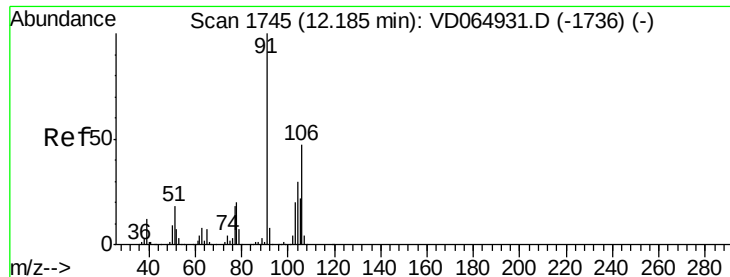
Tot Ion: 91 Resp: 1029797
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5



#68
m/p-Xylenes
Concen: 99.838 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 106 Resp: 803470
Ion Ratio Lower Upper
106 100
91 199.7 159.0 238.4

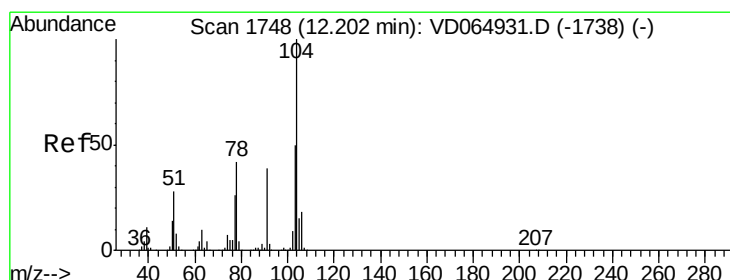
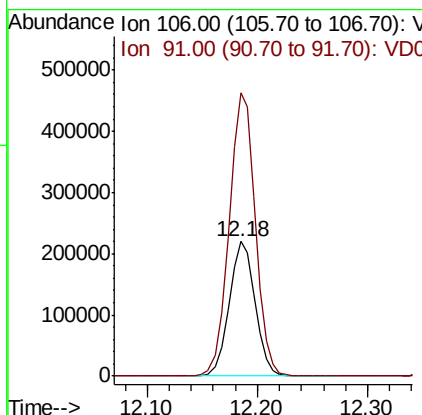
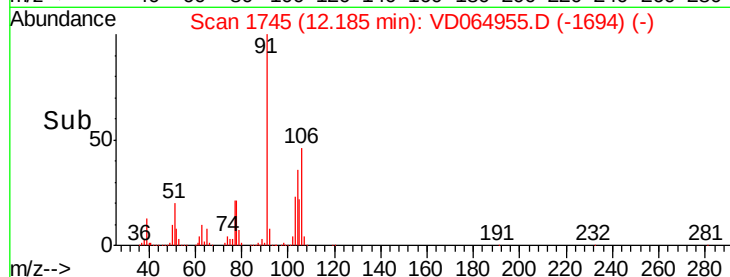
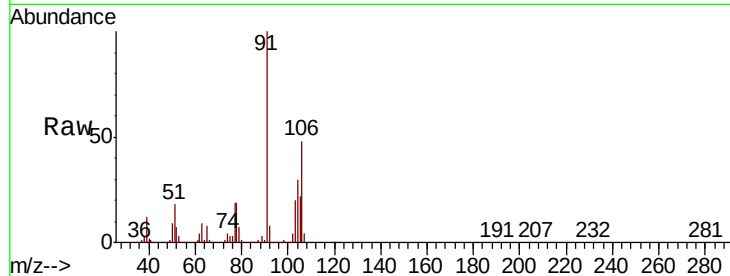




#69
o-Xylene
Concen: 50.459 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

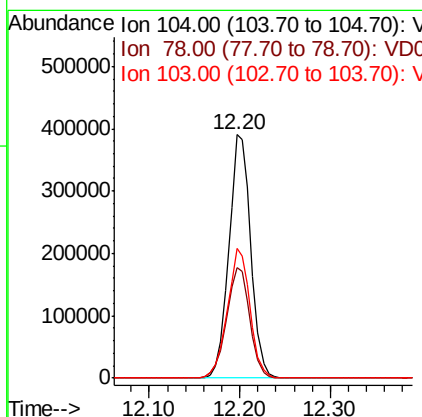
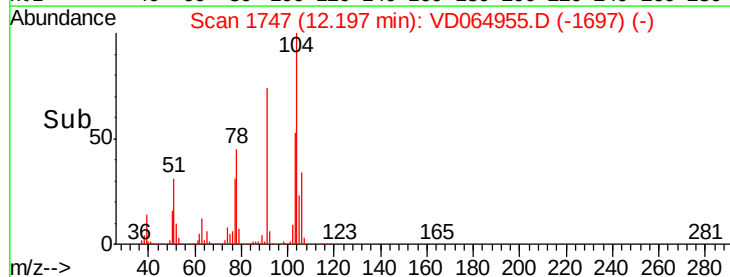
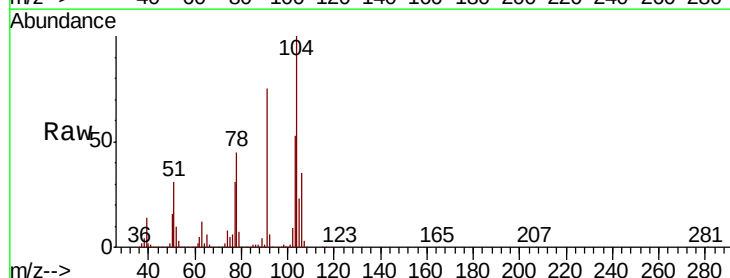
Instrument :
MSVOA_D
ClientSampleId :

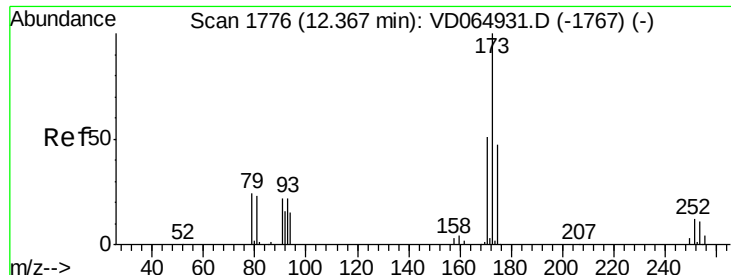
Tot Ion:106 Resp: 360404
Ion Ratio Lower Upper
106 100
91 212.8 106.7 319.9



#70
Styrene
Concen: 51.487 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:104 Resp: 655085
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 54.9 43.5 65.3

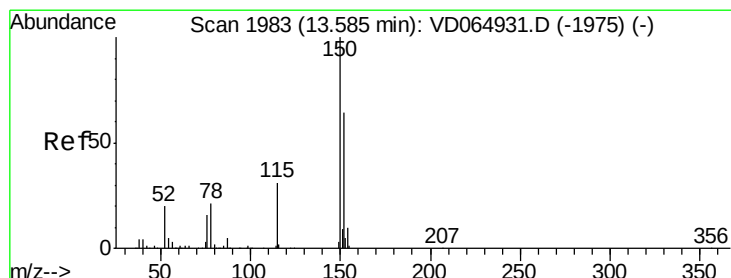
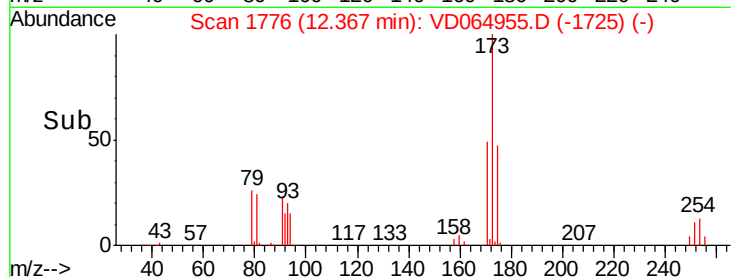
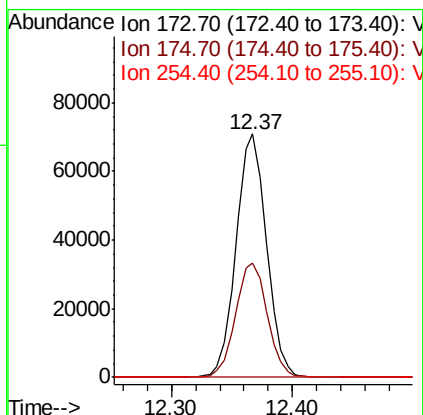
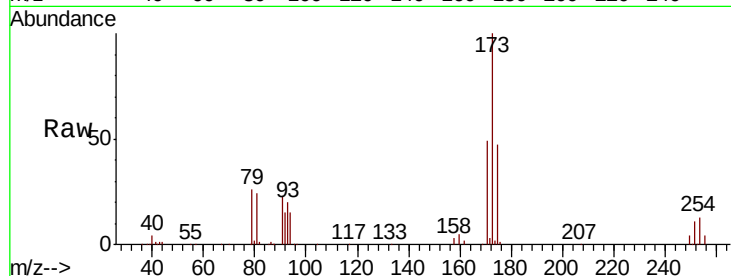




#71
Bromoform
Concen: 50.619 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

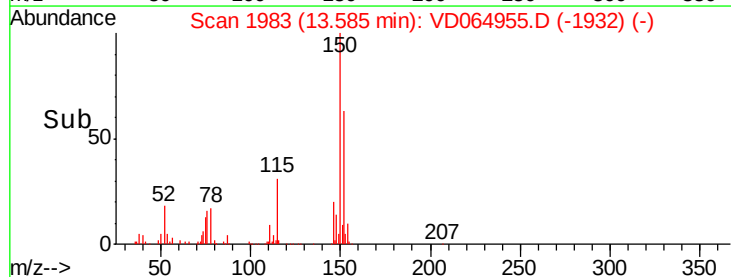
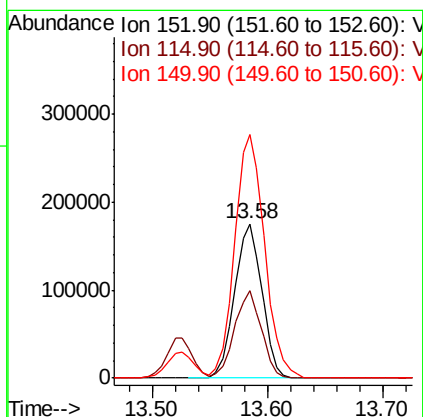
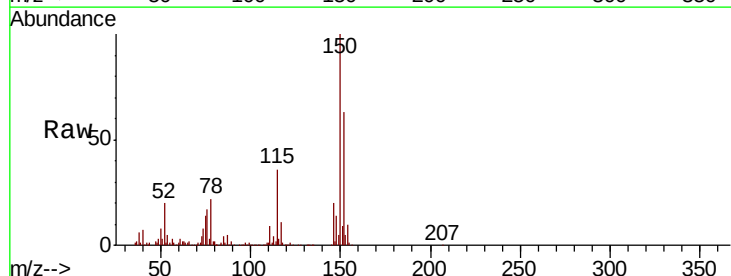
Instrument :
MSVOA_D
ClientSampled :

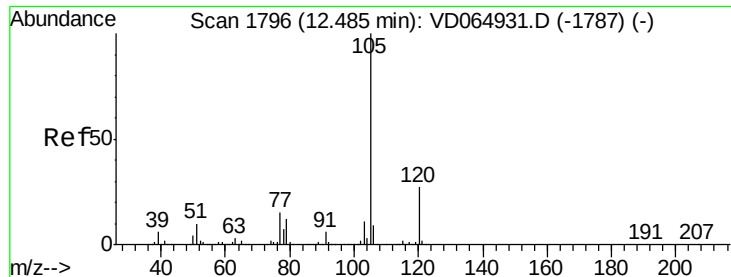
Tot Ion:173 Resp: 124590
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:152 Resp: 286680
Ion Ratio Lower Upper
152 100
115 55.4 28.1 84.4
150 172.3 0.0 350.4





#73

Isopropylbenzene

Concen: 48.950 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

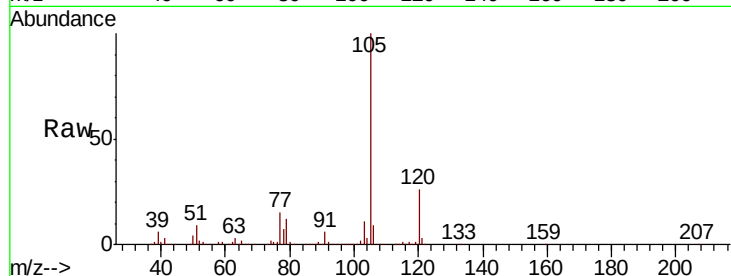
ClientSampleId :

Tot Ion:105 Resp: 959142

Ion Ratio Lower Upper

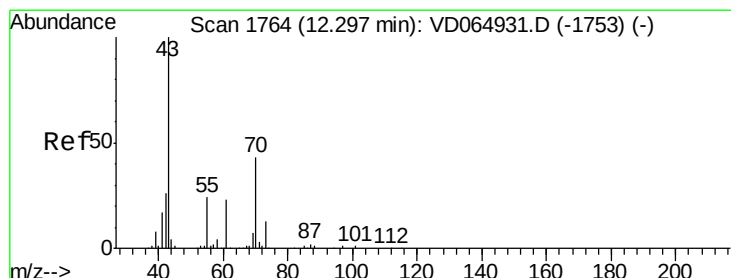
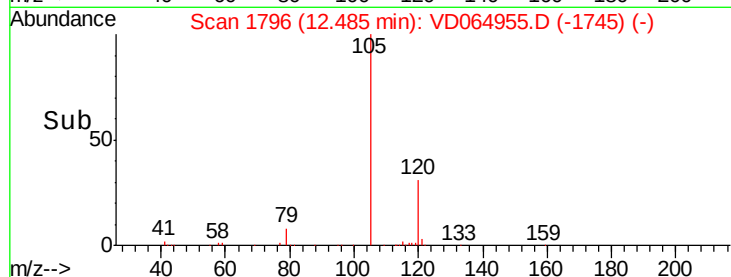
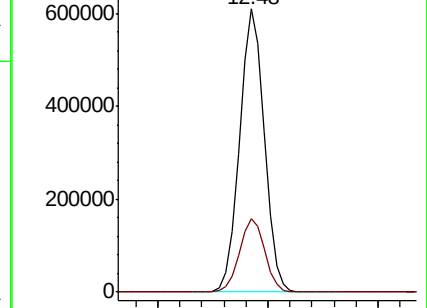
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.083 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion: 43 Resp: 223979

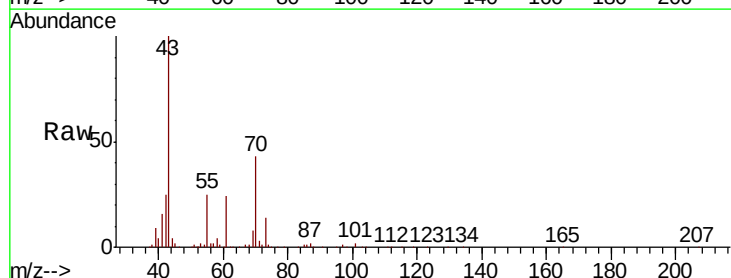
Ion Ratio Lower Upper

43 100

70 42.2 32.6 49.0

55 25.2 19.9 29.9

61 23.6 18.3 27.5

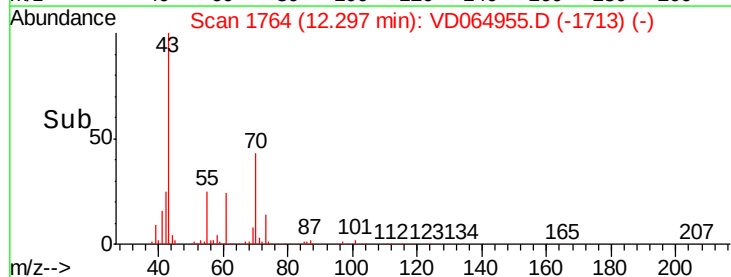
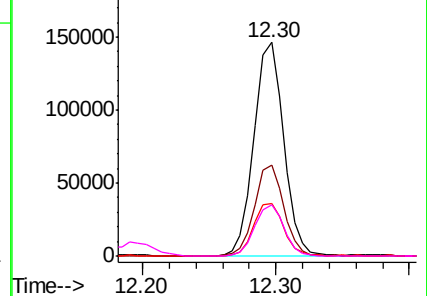


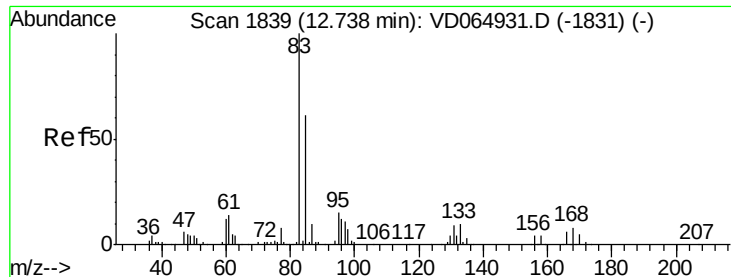
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.352 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

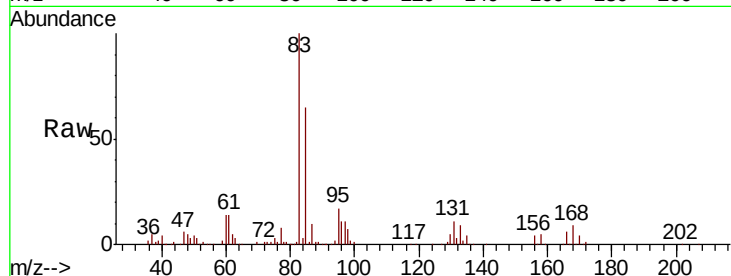
Tot Ion: 83 Resp: 162529

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	63.6	31.6	94.7

83 100

131 11.6 5.5 16.4

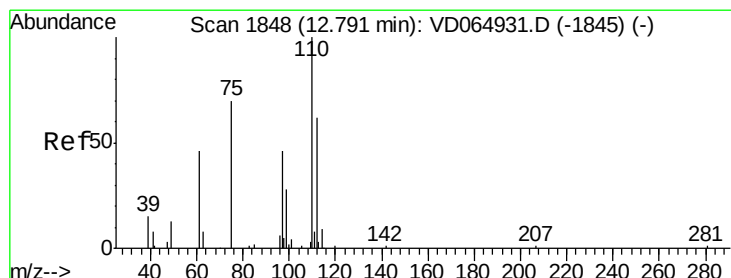
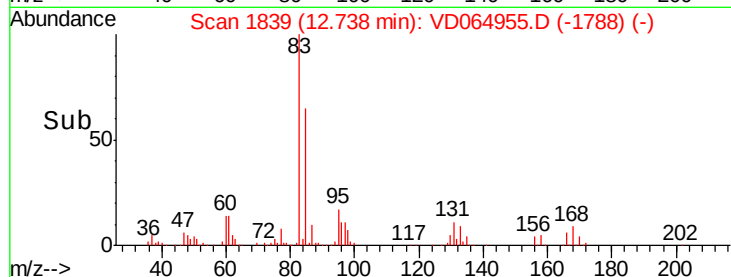
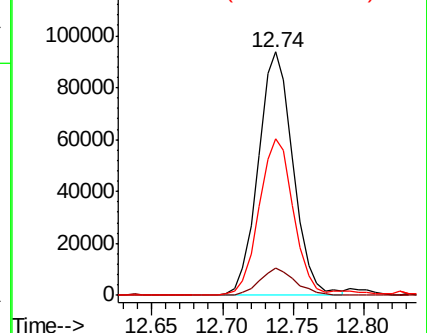
85 63.6 31.6 94.7



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: 91.110 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064955.D

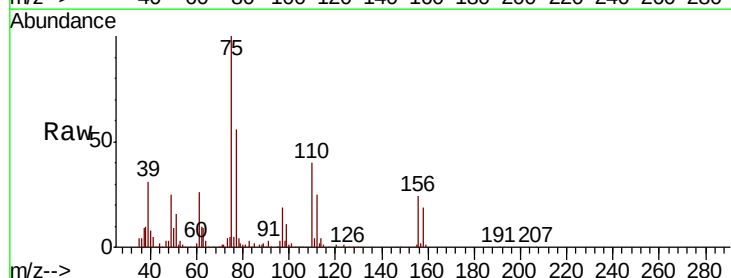
Acq: 24 Jan 2020 20:59

Tgt Ion: 75 Resp: 216794

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

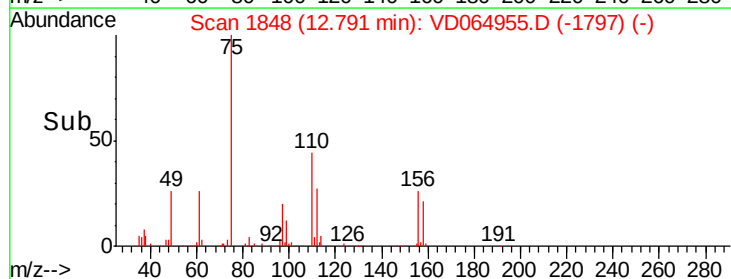
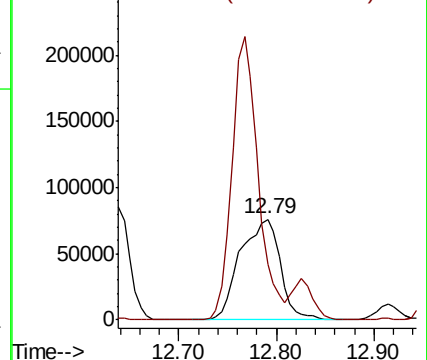
75 100

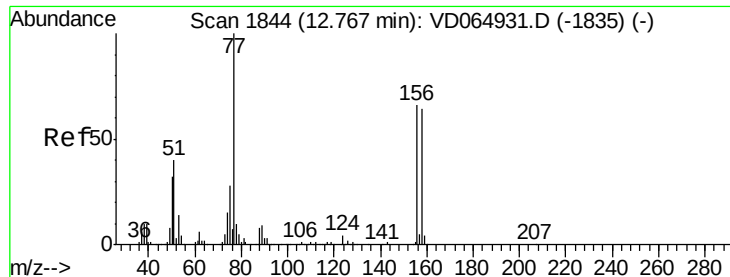
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.829 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampled :

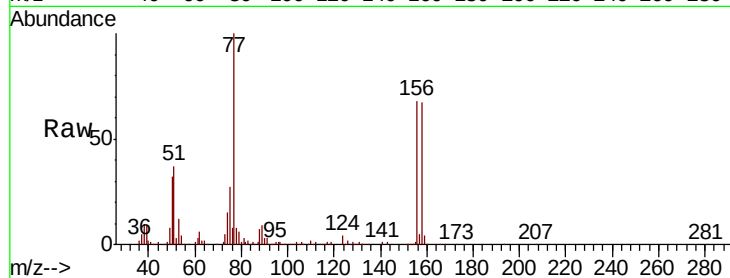
Tot Ion:156 Resp: 238892

Ion Ratio Lower Upper

156 100

77 166.8 84.2 252.5

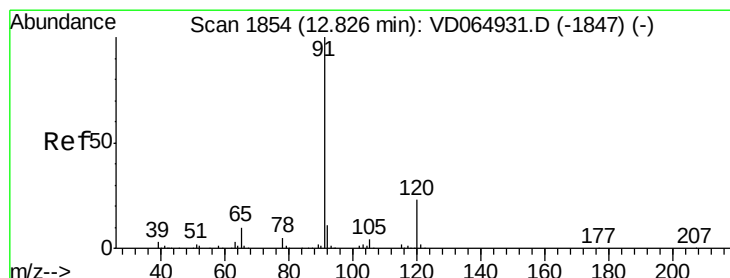
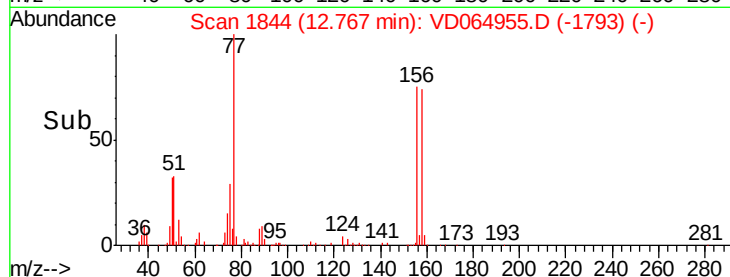
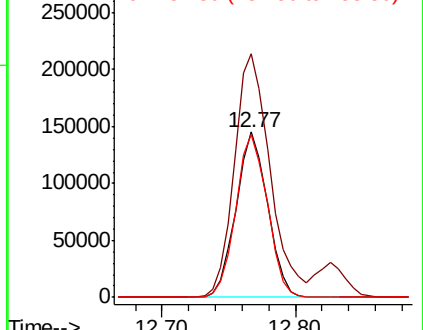
158 97.9 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.190 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064955.D

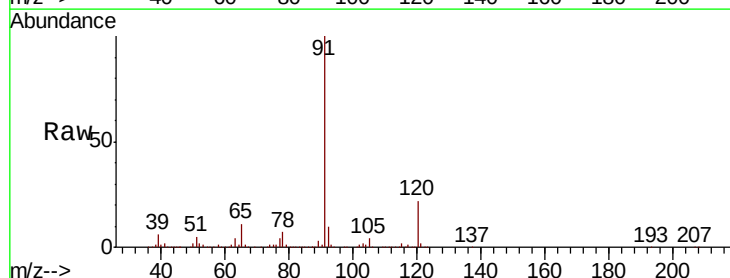
Acq: 24 Jan 2020 20:59

Tgt Ion: 91 Resp: 1122946

Ion Ratio Lower Upper

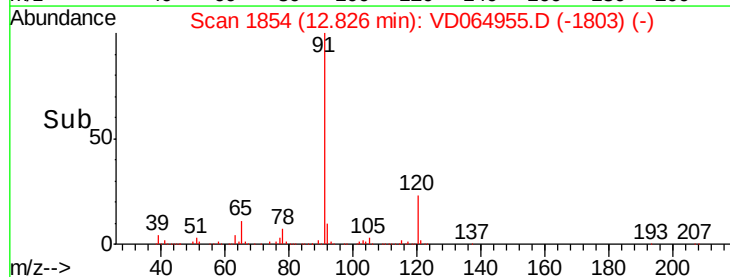
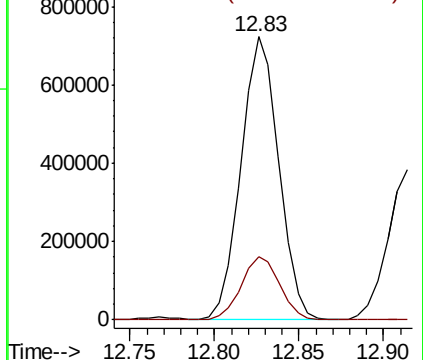
91 100

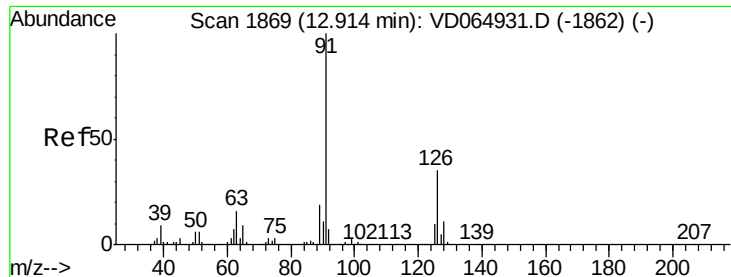
120 22.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.942 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

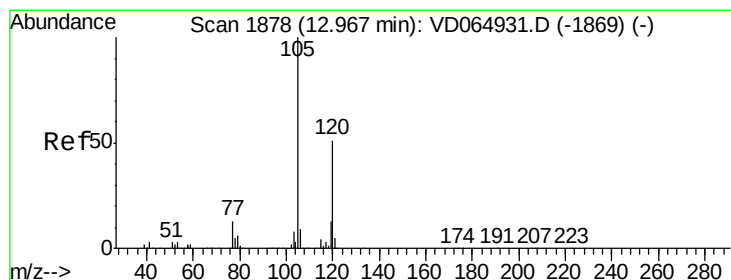
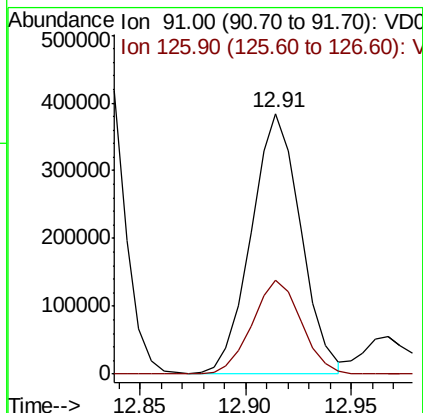
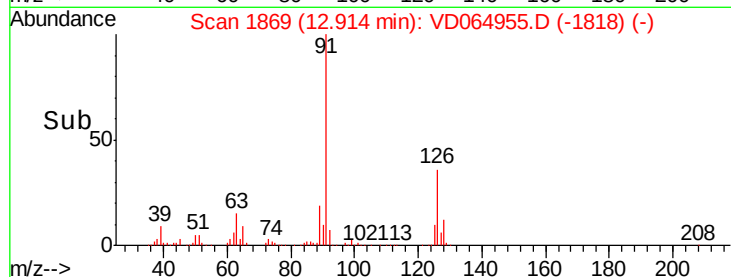
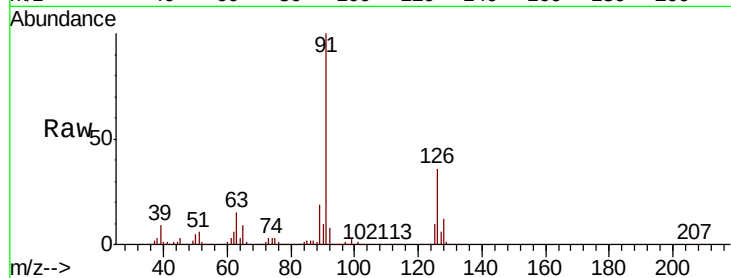
ClientSampled :

Tot Ion: 91 Resp: 625639

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 49.255 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064955.D

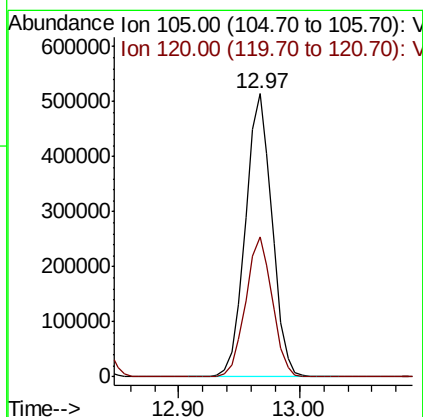
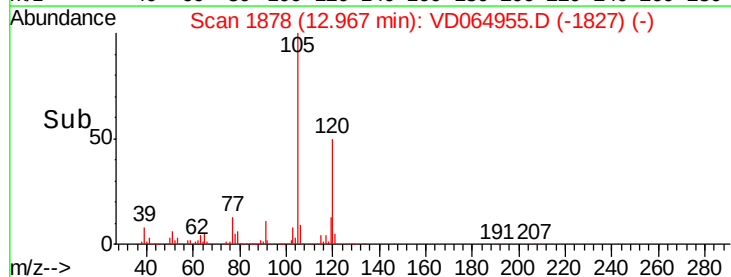
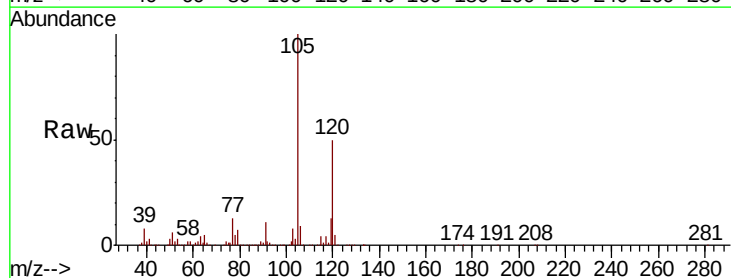
Acq: 24 Jan 2020 20:59

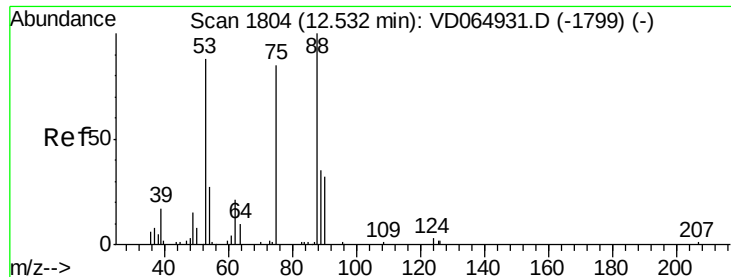
Tgt Ion: 105 Resp: 790904

Ion Ratio Lower Upper

105 100

120 49.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.511 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

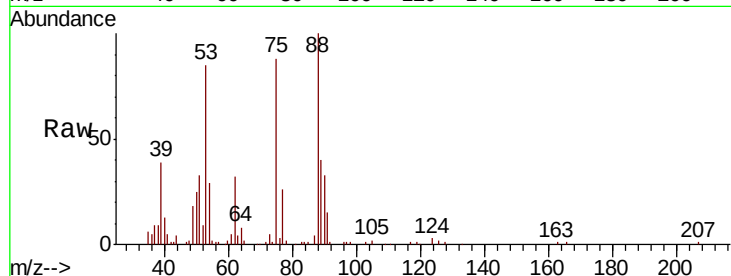
Tot Ion: 75 Resp: 55174

Ion Ratio Lower Upper

75 100

53 97.3 81.0 121.4

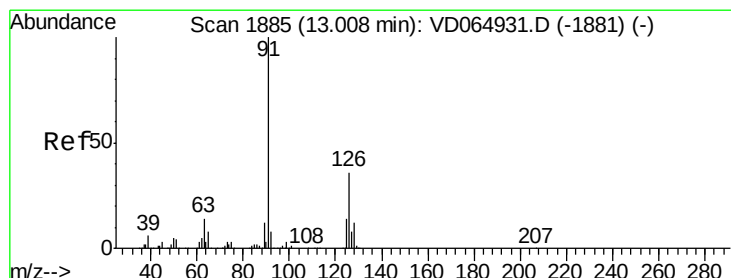
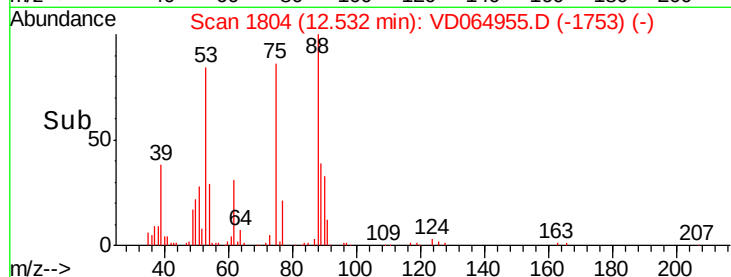
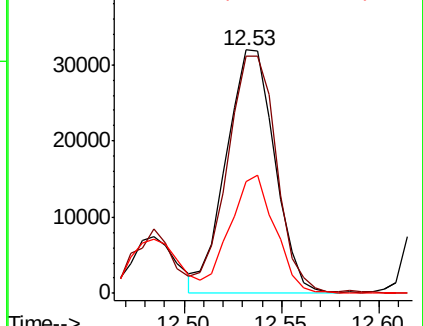
89 45.1 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.029 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064955.D

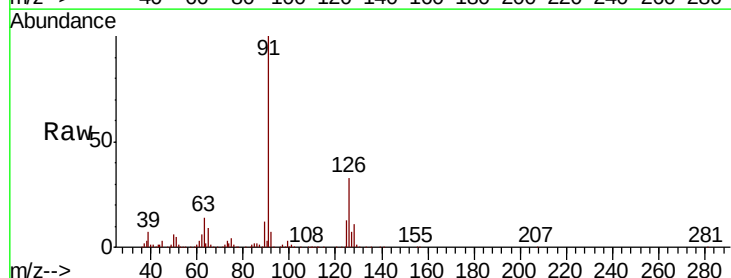
Acq: 24 Jan 2020 20:59

Tgt Ion: 91 Resp: 664675

Ion Ratio Lower Upper

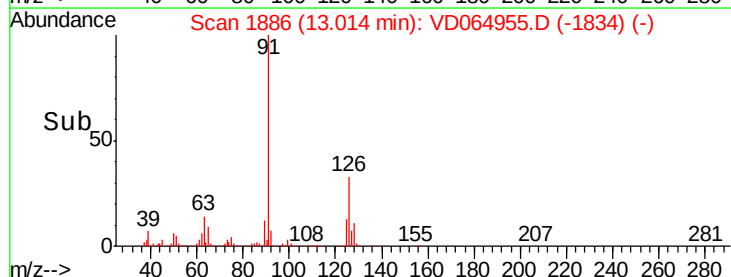
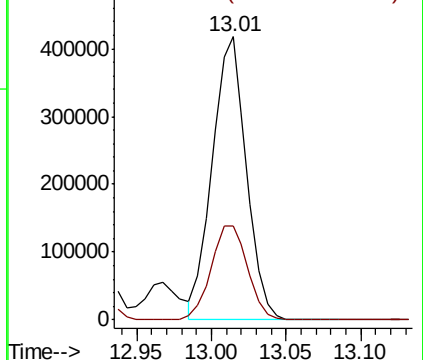
91 100

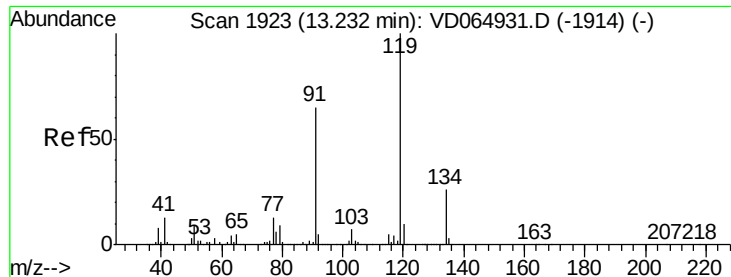
126 35.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

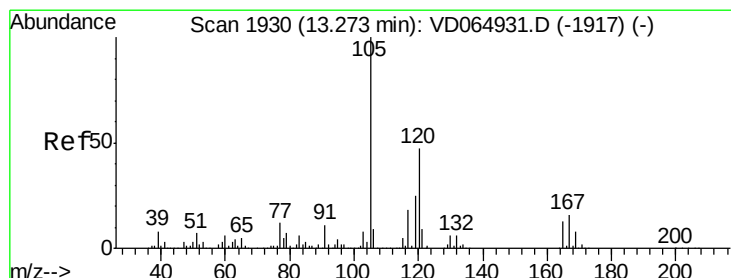
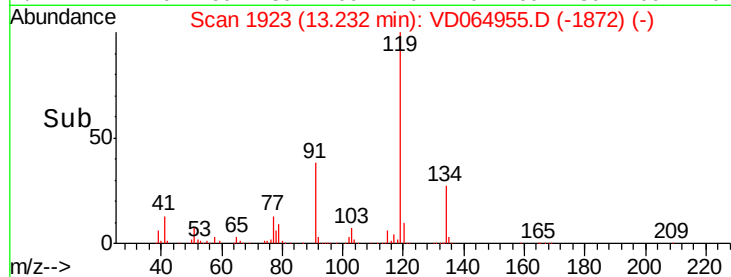
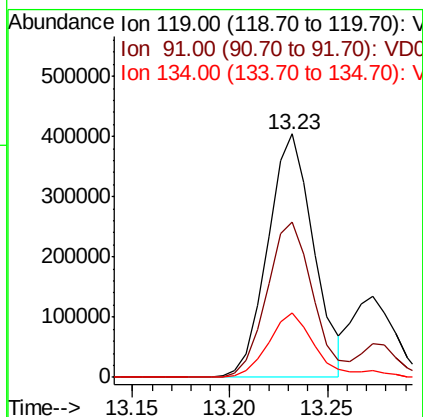
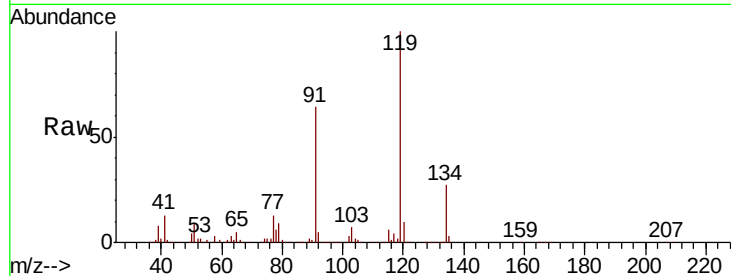




#83
tert-Butylbenzene
Concen: 48.365 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

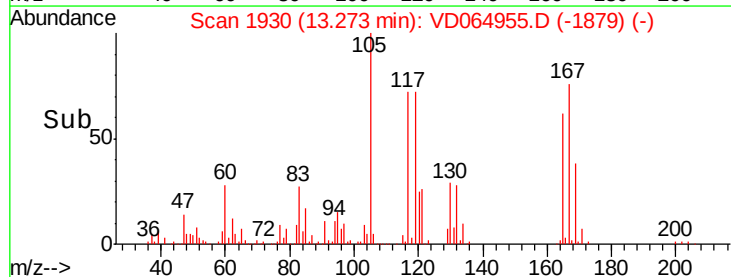
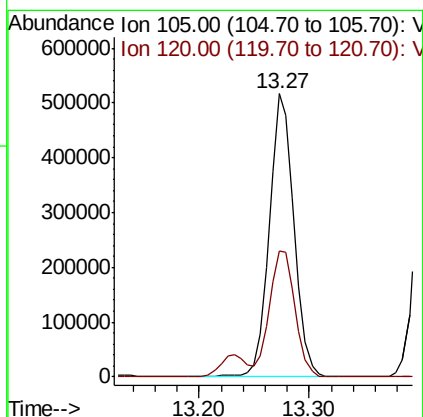
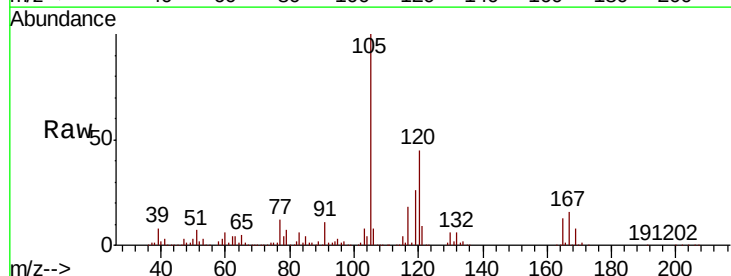
Instrument :
MSVOA_D
ClientSampled :

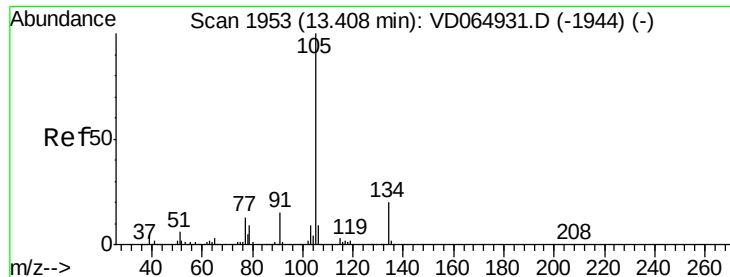
Tot Ion:119 Resp: 659055
Ion Ratio Lower Upper
119 100
91 64.7 32.0 96.0
134 27.9 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 49.294 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:105 Resp: 801832
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 47.369 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

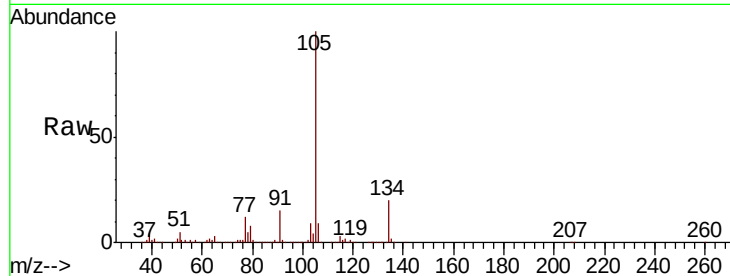
ClientSampleId :

Tot Ion:105 Resp: 913947

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

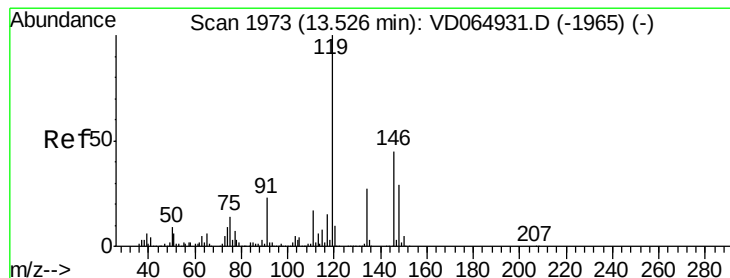
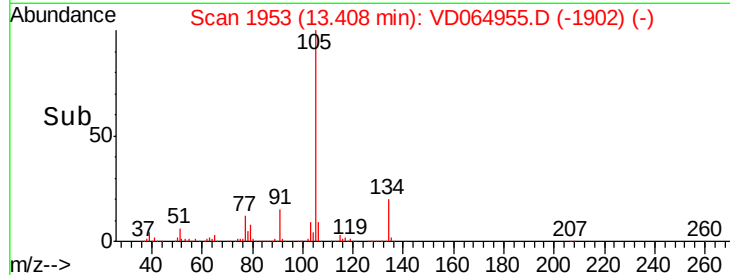
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 48.189 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

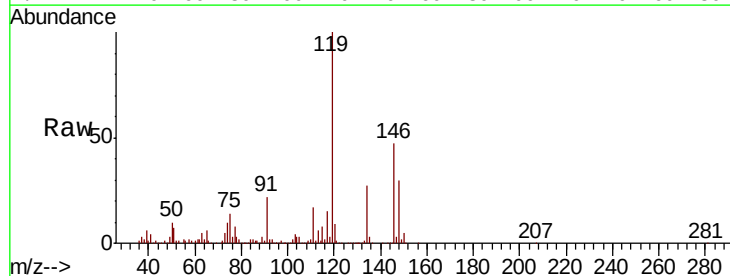
Tgt Ion:119 Resp: 870035

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.3 11.4 34.2



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

800000

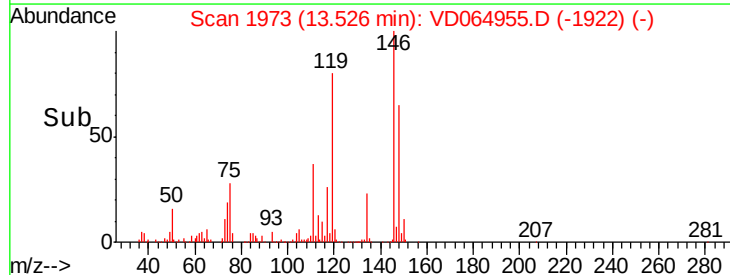
600000

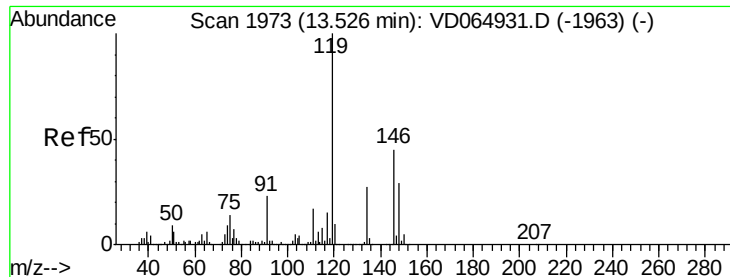
400000

200000

0

Time--> 13.45 13.50 13.55 13.60

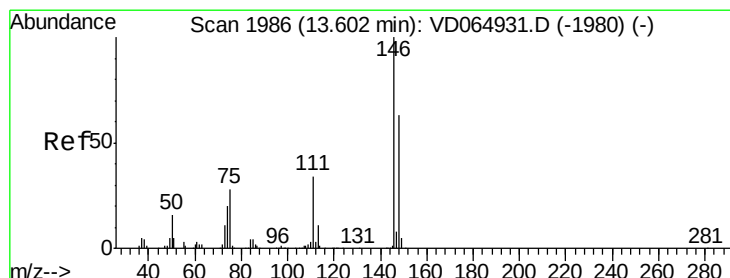
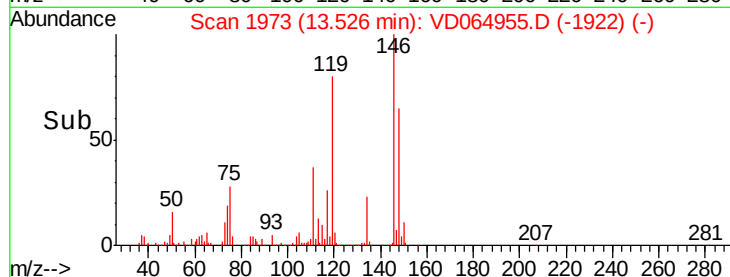
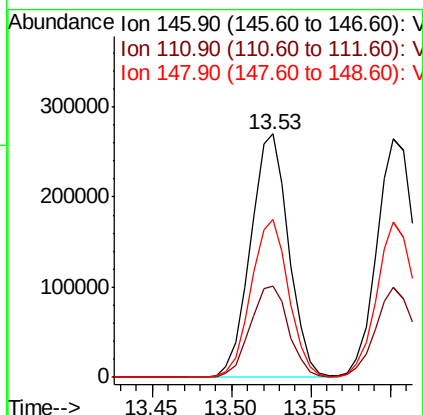
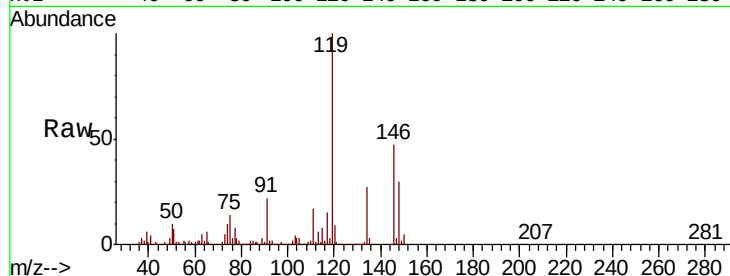




#87
1,3-Dichlorobenzene
Concen: 49.077 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

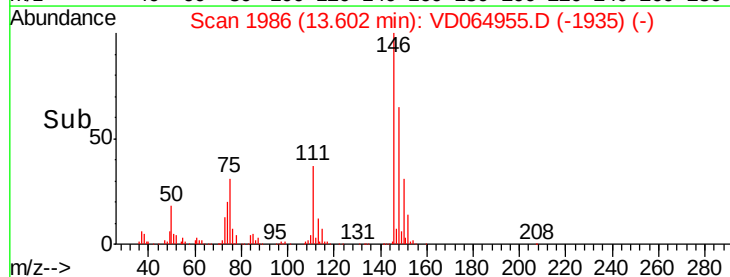
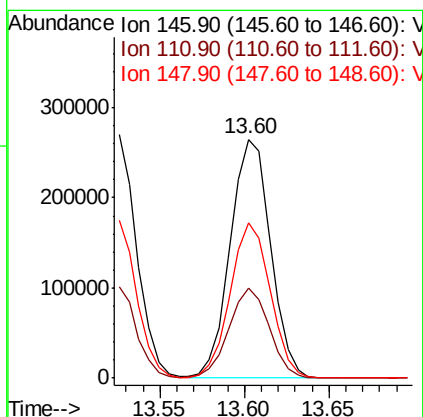
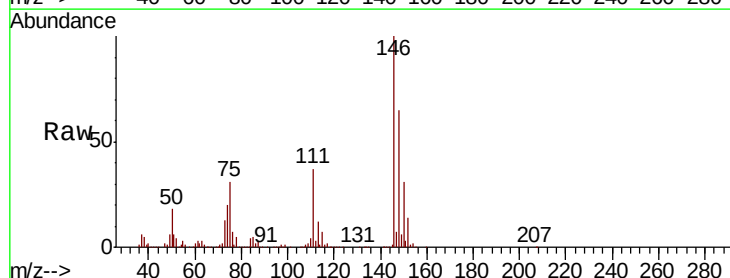
Instrument :
MSVOA_D
ClientSampled :

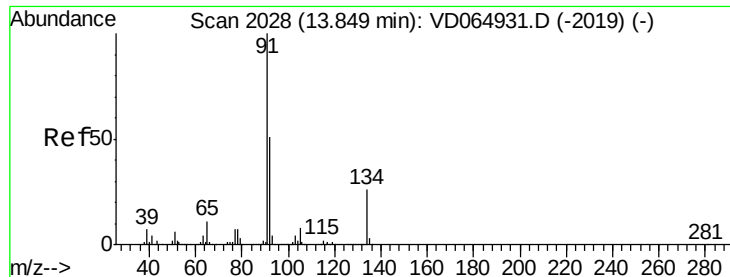
Tot Ion:146 Resp: 451442
Ion Ratio Lower Upper
146 100
111 37.7 18.9 56.9
148 64.0 32.6 97.7



#88
1,4-Dichlorobenzene
Concen: 48.247 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:146 Resp: 440489
Ion Ratio Lower Upper
146 100
111 37.3 18.2 54.6
148 64.7 32.0 96.0

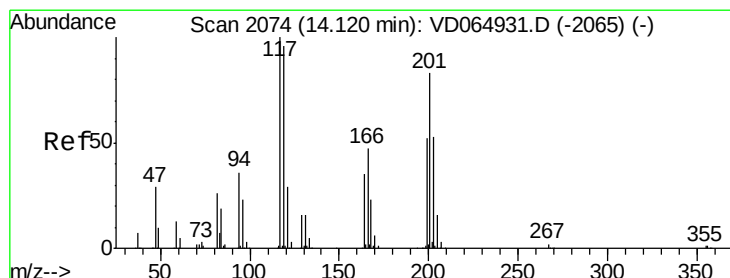
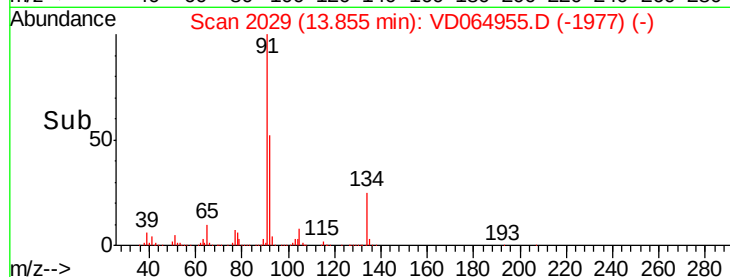
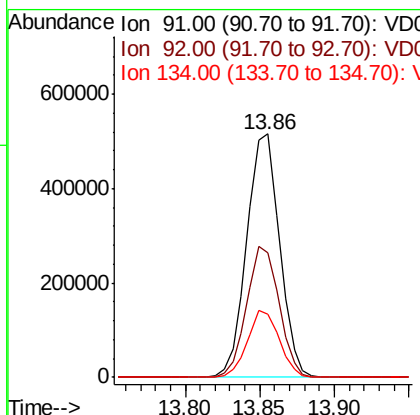
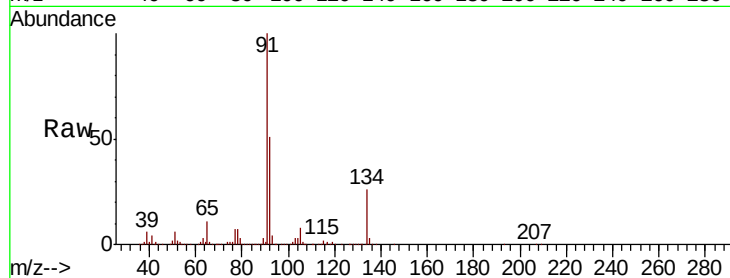




#89
n-Butylbenzene
Concen: 47.633 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

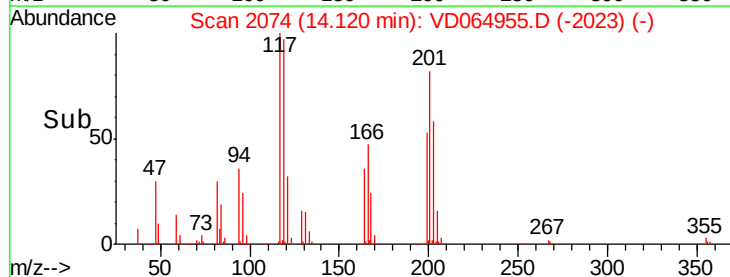
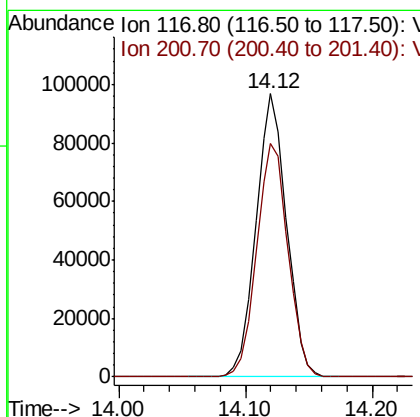
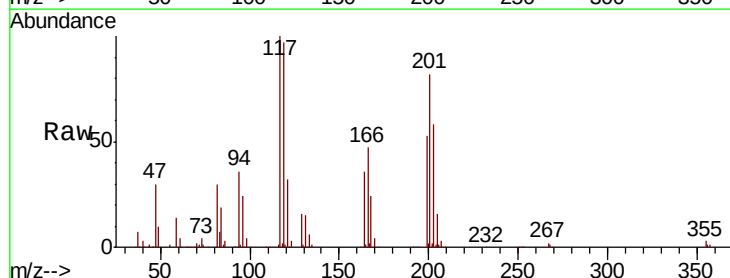
Instrument :
MSVOA_D
ClientSampleId :

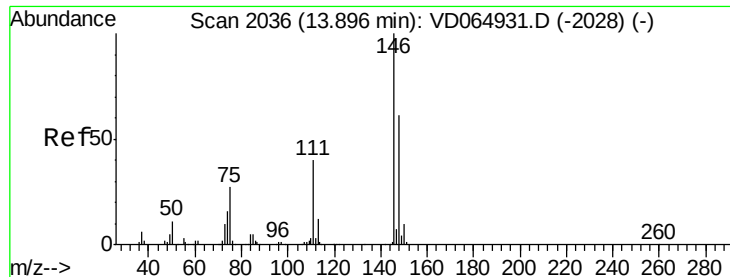
Tot Ion: 91 Resp: 784846
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.0
134 26.7 13.3 39.9



#90
Hexachloroethane
Concen: 46.661 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 117 Resp: 162460
Ion Ratio Lower Upper
117 100
201 84.5 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 49.198 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

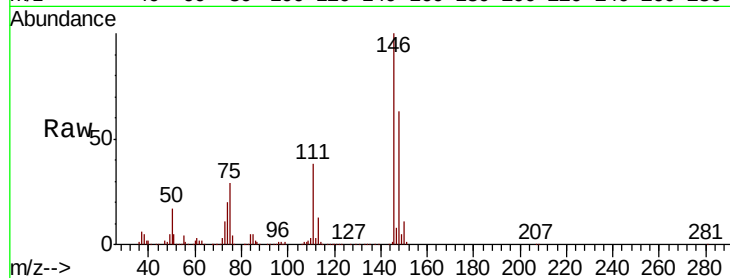
Tot Ion:146 Resp: 384204

Ion Ratio Lower Upper

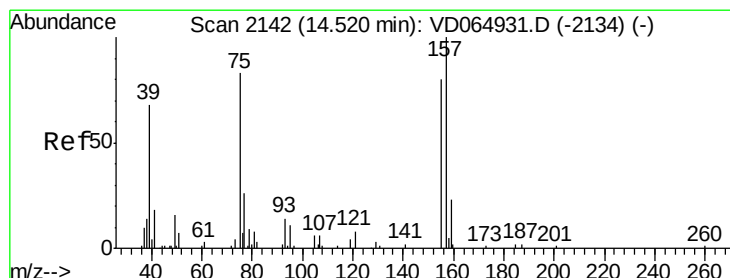
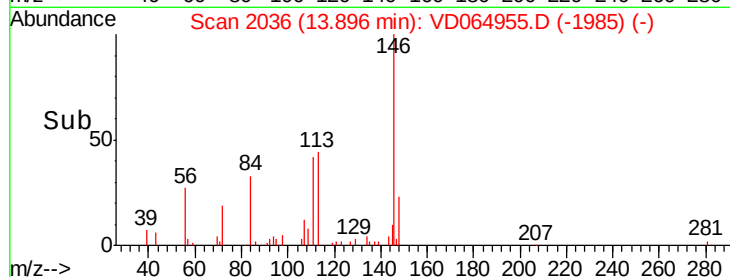
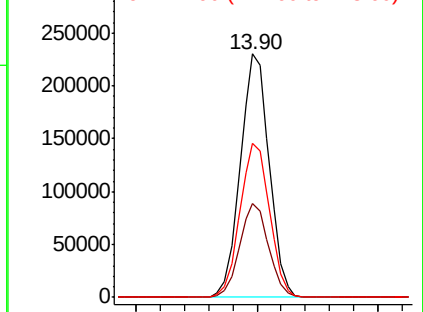
146 100

111 38.6 19.4 58.2

148 64.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.490 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

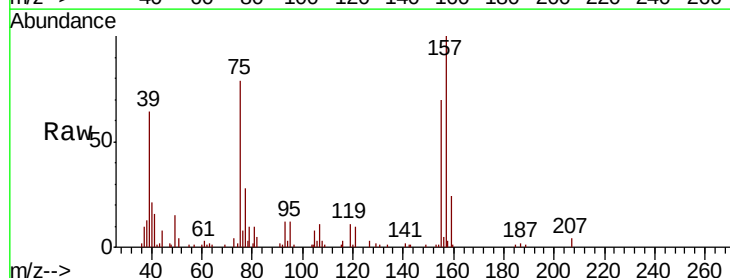
Tgt Ion: 75 Resp: 24501

Ion Ratio Lower Upper

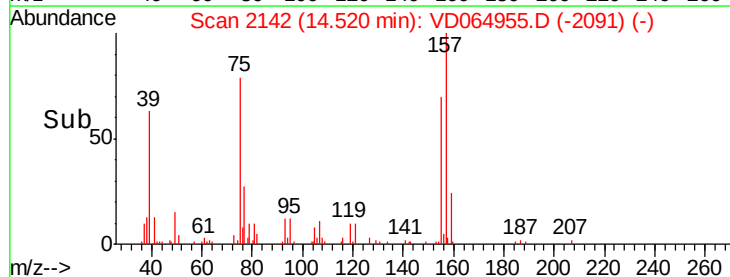
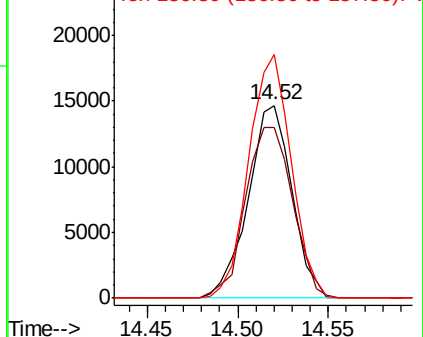
75 100

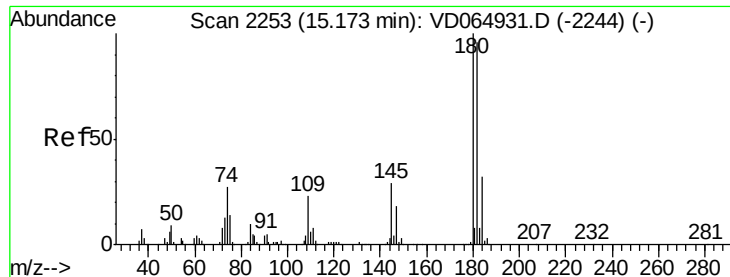
155 96.0 44.9 134.7

157 123.4 58.9 176.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

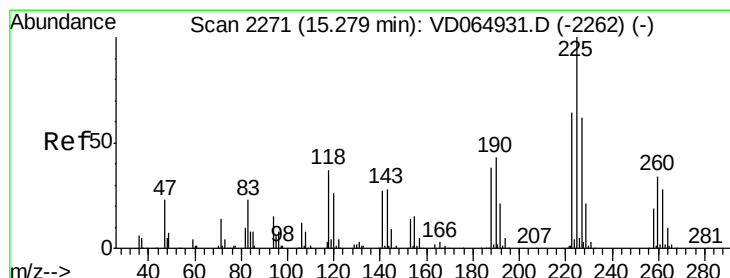
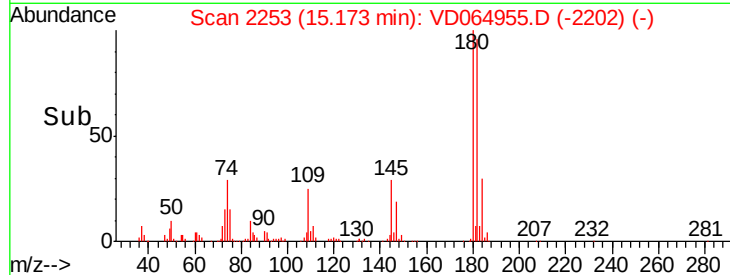
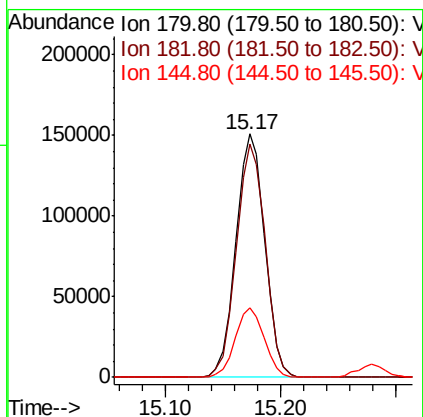
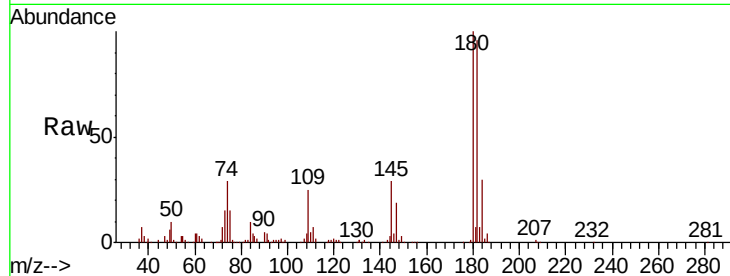




#93
 1,2,4-Trichlorobenzene
 Concen: 48.196 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

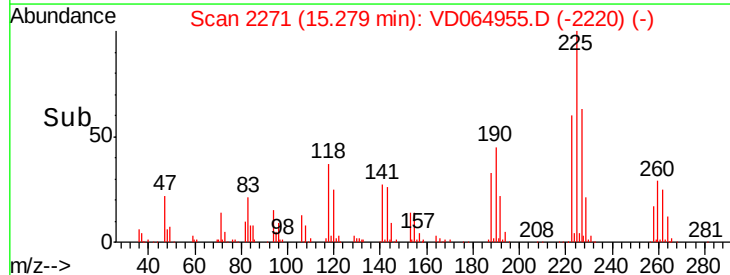
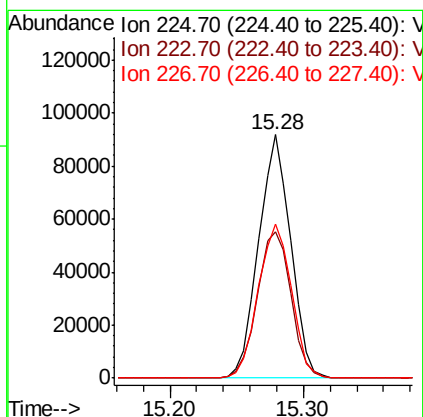
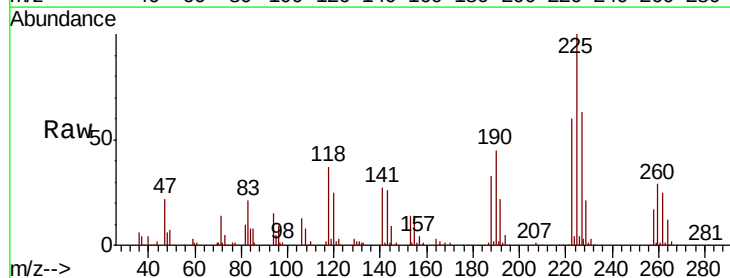
Instrument :
 MSVOA_D
 ClientSampleId :

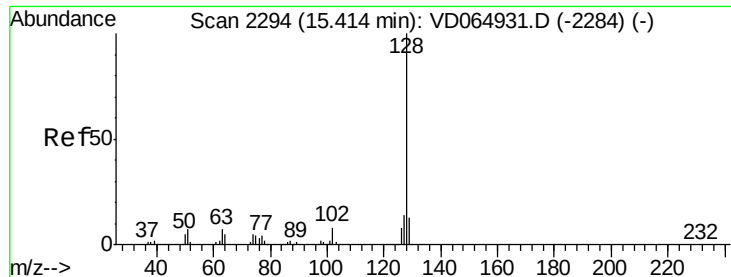
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.4
145	28.5	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 44.566 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	65.7	31.9	95.9

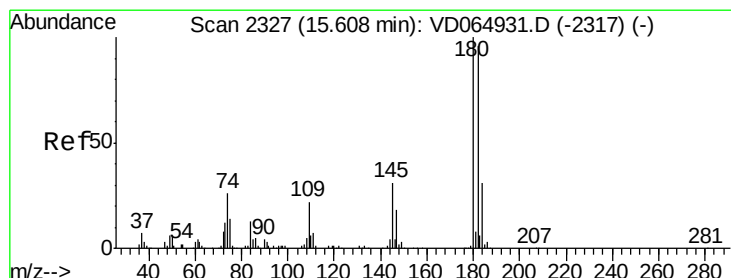
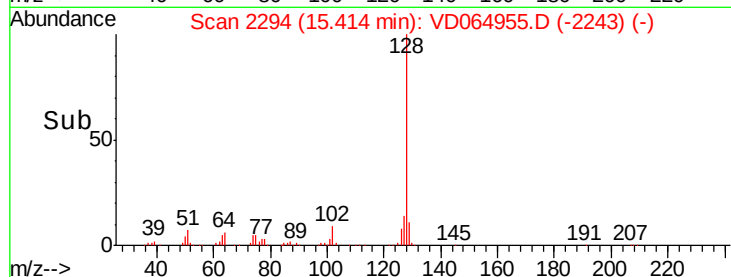
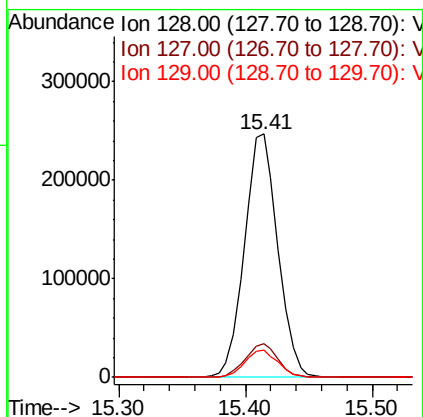
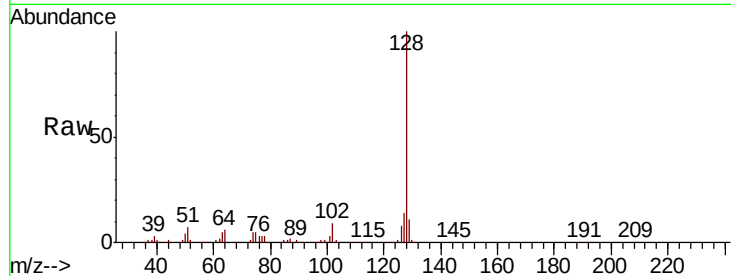




#95
Naphthalene
Concen: 51.634 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 450209
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 48.804 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:180 Resp: 228616
Ion Ratio Lower Upper
180 100
182 96.4 47.3 141.8
145 29.0 14.6 43.8

