

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064879.D
 Acq On : 20 Jan 2020 09:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:06:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	412989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	176793	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.91	113	181691	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.34	98	674733	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.64	95	214055	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	128950	40.177	ug/l	100
3) Chloromethane	2.21	50	189457	42.207	ug/l	97
4) Vinyl Chloride	2.35	62	220967	40.374	ug/l	97
5) Bromomethane	2.78	94	148667	37.359	ug/l	98
6) Chloroethane	2.93	64	150699	41.094	ug/l	95
7) Trichlorofluoromethane	3.27	101	373518	40.533	ug/l	99
8) Diethyl Ether	3.71	74	84671	46.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	183467	48.073	ug/l	99
10) Methyl Iodide	4.29	142	188251	45.921	ug/l	99
11) Tert butyl alcohol	5.25	59	49088	235.201	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	167531	46.108	ug/l	94
13) Acrolein	3.93	56	28281	97.231	ug/l	95
14) Allyl chloride	4.71	41	286856	50.637	ug/l	99
15) Acrylonitrile	5.43	53	181880	238.614	ug/l	99
16) Acetone	4.17	43	237201	319.052	ug/l	95
17) Carbon Disulfide	4.40	76	481944	41.022	ug/l	98
18) Methyl Acetate	4.72	43	93927	45.813	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	387460	48.010	ug/l	95
20) Methylene Chloride	4.97	84	200938	54.379	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	195700	47.294	ug/l	93
22) Diisopropyl ether	6.37	45	583288	51.622	ug/l	97
23) Vinyl Acetate	6.31	43	1604481	250.324	ug/l	99
24) 1,1-Dichloroethane	6.27	63	352193	51.921	ug/l	99
25) 2-Butanone	7.22	43	261561	261.296	ug/l	97
26) 2,2-Dichloropropane	7.21	77	326184	51.719	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	219776	49.214	ug/l	98
28) Bromochloromethane	7.56	49	148784	56.424	ug/l	99
29) Tetrahydrofuran	7.57	42	143244	230.109	ug/l	96
30) Chloroform	7.71	83	365999	51.427	ug/l	98
31) Cyclohexane	7.99	56	301506	44.404	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	335602	50.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	279254	48.827	ug/l	99
37) Ethyl Acetate	7.30	43	106200	47.267	ug/l	96
38) Carbon Tetrachloride	8.10	117	300318	49.245	ug/l	99

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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	320998	46.340	ug/l	97
40) Benzene	8.36	78	775921	49.697	ug/l	97
41) Methacrylonitrile	7.53	41	51767	39.711	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	225835	50.055	ug/l	99
43) Isopropyl Acetate	8.46	43	208694	46.666	ug/l	99
44) Trichloroethene	9.11	130	222232	48.452	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193909	52.017	ug/l	97
46) Dibromomethane	9.48	93	99799	48.018	ug/l	99
47) Bromodichloromethane	9.67	83	279468	50.532	ug/l	99
48) Methyl methacrylate	9.46	41	98136	46.605	ug/l	97
49) 1,4-Dioxane	9.47	88	21928	914.999	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	519239	234.901	ug/l	100
52) Toluene	10.41	92	505102	49.311	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	255891	49.628	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	313827	51.618	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	138855	49.574	ug/l	95
56) Ethyl methacrylate	10.67	69	166384	47.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	235887	48.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	300516	225.490	ug/l	99
59) 2-Hexanone	10.99	43	388059	258.657	ug/l	98
60) Dibromochloromethane	11.14	129	188668	48.709	ug/l	100
61) 1,2-Dibromoethane	11.25	107	129653	46.931	ug/l	99
64) Tetrachloroethene	10.88	164	188012	47.306	ug/l	98
65) Chlorobenzene	11.68	112	536475	49.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	204389	50.425	ug/l	99
67) Ethyl Benzene	11.75	91	987197	50.586	ug/l	99
68) m/p-Xylenes	11.86	106	747948	99.296	ug/l	96
69) o-Xylene	12.18	106	344107	50.576	ug/l	99
70) Styrene	12.20	104	604487	50.616	ug/l	99
71) Bromoform	12.37	173	108553	46.962	ug/l #	100
73) Isopropylbenzene	12.48	105	928336	50.575	ug/l	100
74) N-amyl acetate	12.30	43	191138	48.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	139386	48.339	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	187732	92.556	ug/l #	100
77) Bromobenzene	12.77	156	221907	49.201	ug/l	98
78) n-propylbenzene	12.83	91	1093240	51.052	ug/l	99
79) 2-Chlorotoluene	12.91	91	613440	52.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	769345	51.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	45663	47.085	ug/l	96
82) 4-Chlorotoluene	13.01	91	640125	51.133	ug/l	99
83) tert-Butylbenzene	13.23	119	658856	50.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	773283	51.494	ug/l	98
85) sec-Butylbenzene	13.41	105	924493	51.510	ug/l	99
86) p-Isopropyltoluene	13.53	119	866518	50.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432481	50.300	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	419797	49.701	ug/l	99
89) n-Butylbenzene	13.86	91	807259	52.234	ug/l	98
90) Hexachloroethane	14.12	117	165741	50.558	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	363092	49.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21380	45.738	ug/l	95

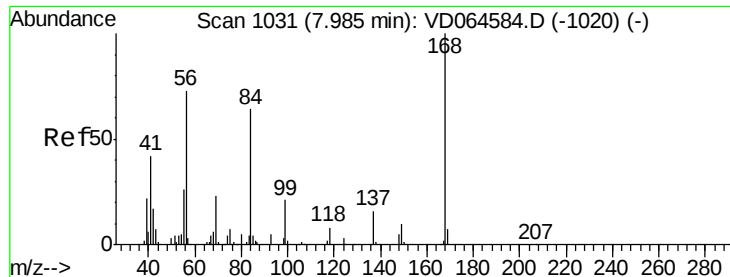
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	254020	47.055	ug/l	99
94) Hexachlorobutadiene	15.28	225	161227	47.461	ug/l	97
95) Naphthalene	15.41	128	382334	44.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	215018	46.656	ug/l	99

(#) = 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: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

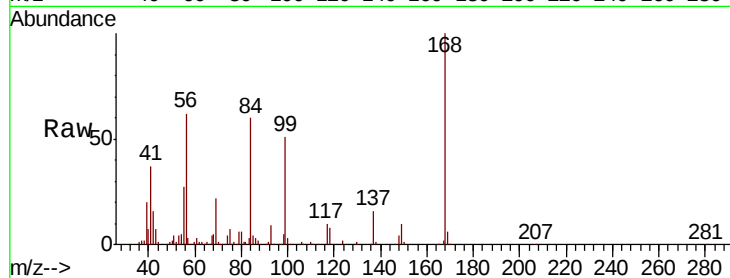
ClientSampleId :

Tot Ion:168 Resp: 412989

Ion Ratio Lower Upper

168 100

99 50.6 41.8 62.6



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

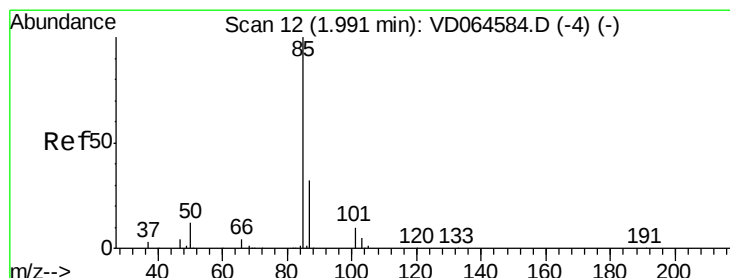
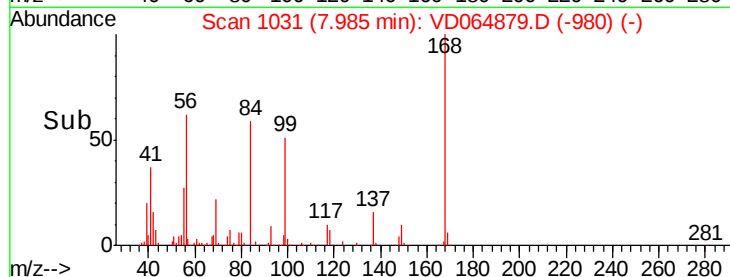
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.177 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064879.D

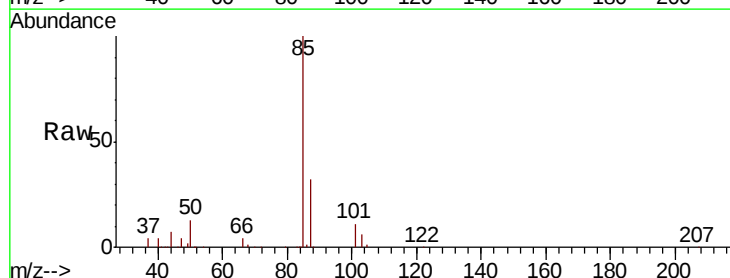
Acq: 20 Jan 2020 09:13

Tgt Ion: 85 Resp: 128950

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

40000

20000

0

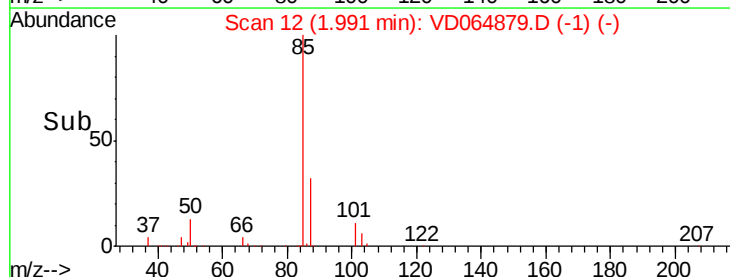
1.90

1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 42.207 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

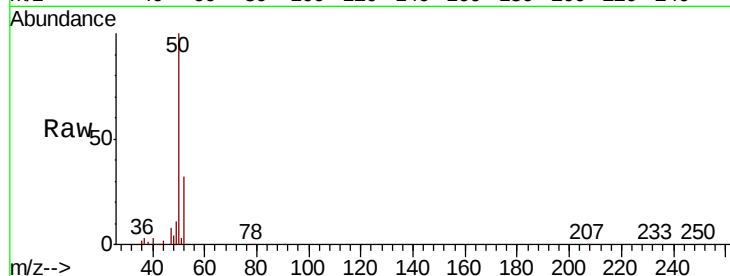
ClientSampleId :

Tot Ion: 50 Resp: 189457

Ion Ratio Lower Upper

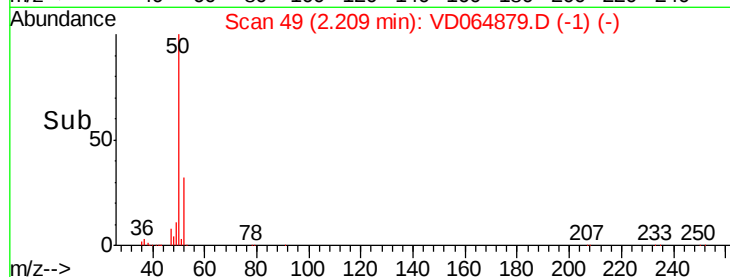
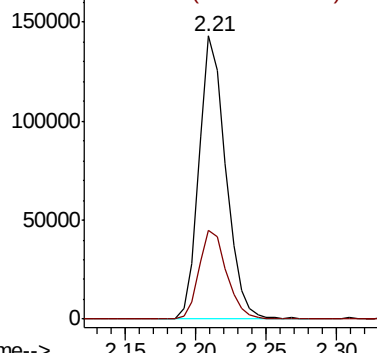
50 100

52 31.5 26.5 39.7

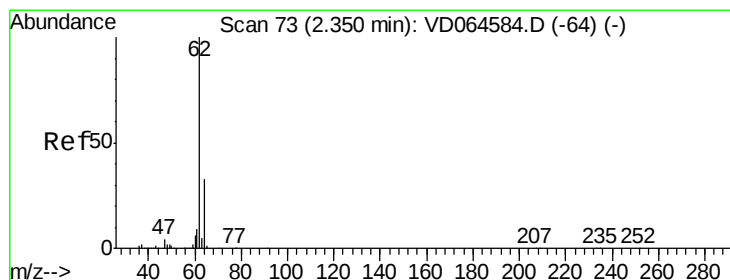


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 40.374 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064879.D

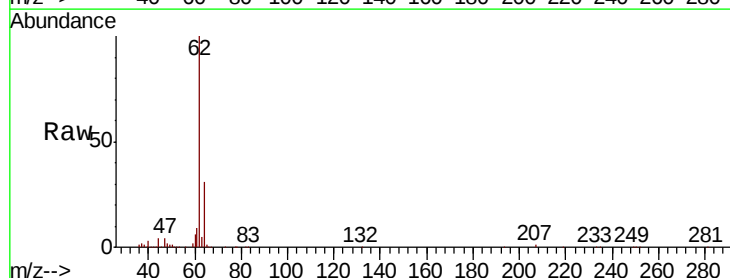
Acq: 20 Jan 2020 09:13

Tgt Ion: 62 Resp: 220967

Ion Ratio Lower Upper

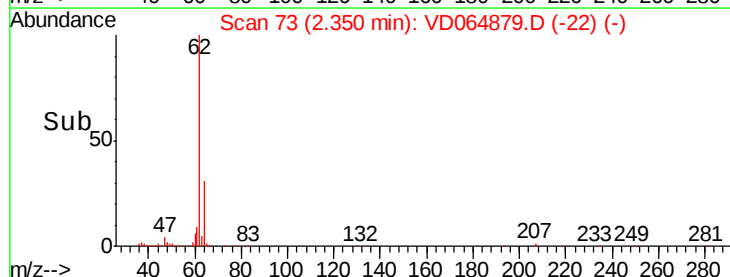
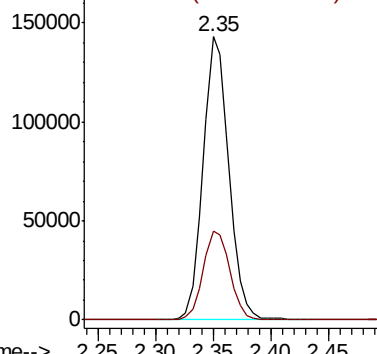
62 100

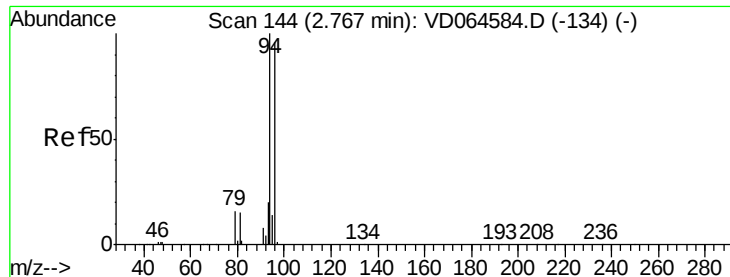
64 31.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 37.359 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

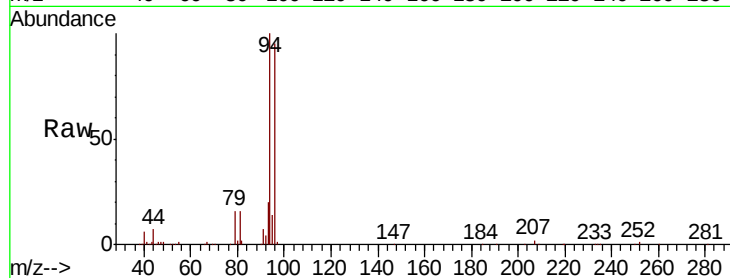
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 148667

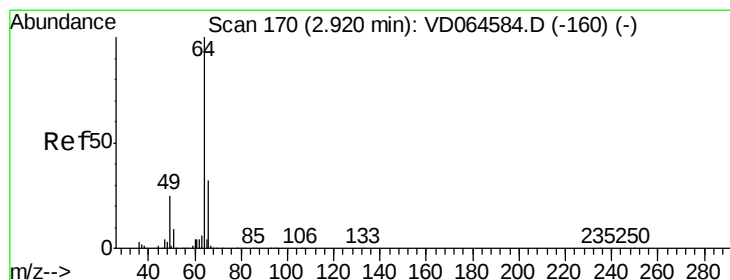
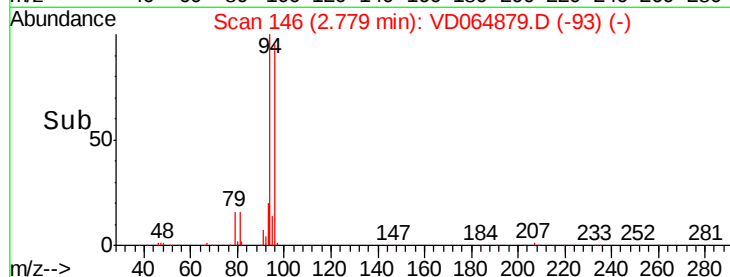
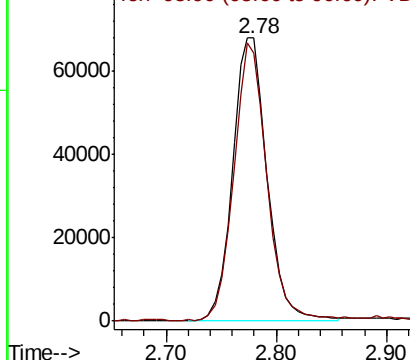
Ion Ratio Lower Upper

94 100

96 94.3 77.2 115.8



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



#6

Chloroethane

Concen: 41.094 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064879.D

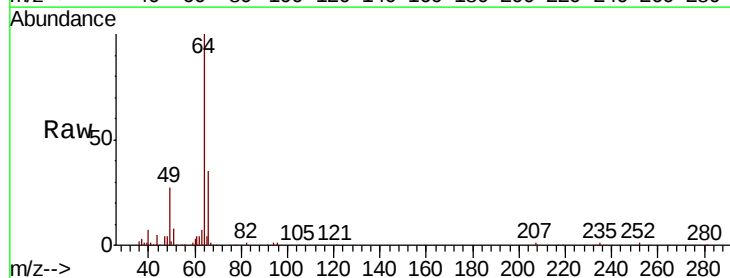
Acq: 20 Jan 2020 09:13

Tgt Ion: 64 Resp: 150699

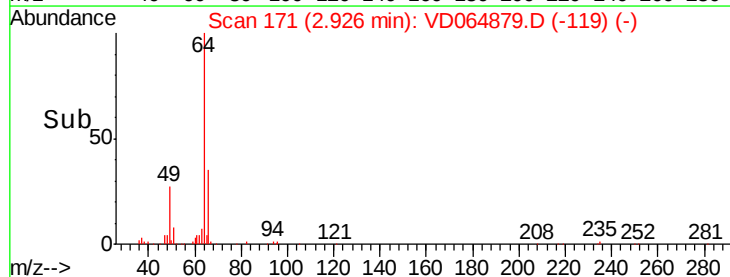
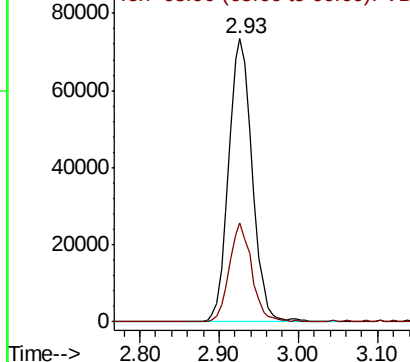
Ion Ratio Lower Upper

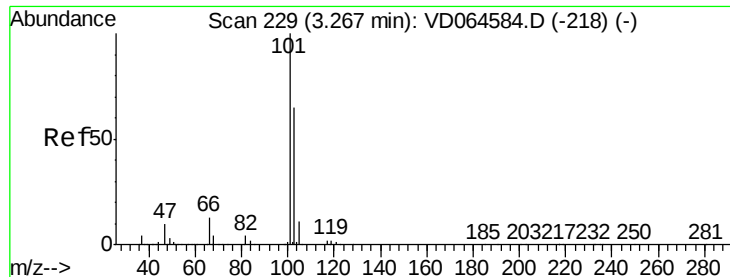
64 100

66 35.0 25.9 38.9



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



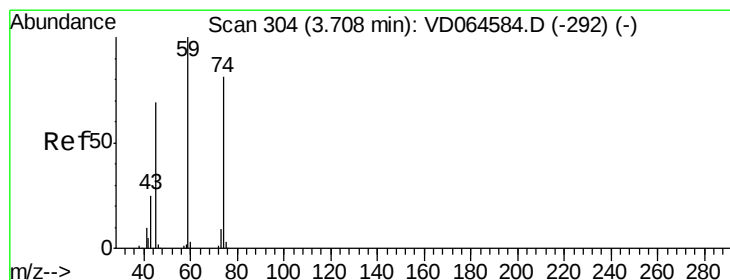
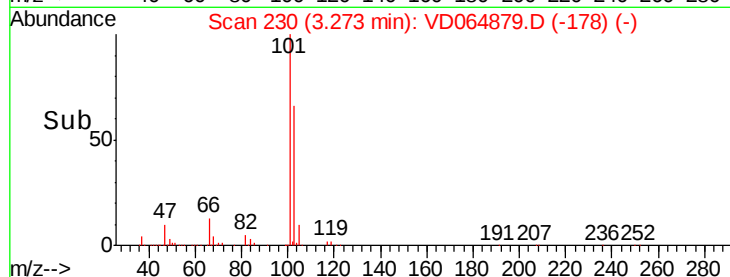
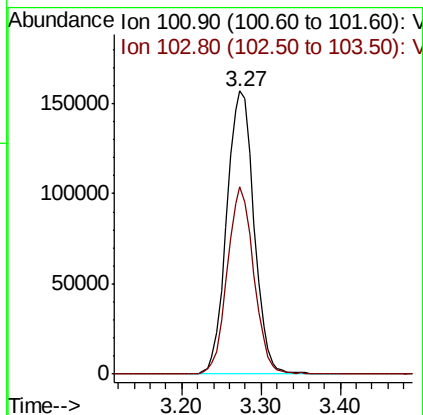
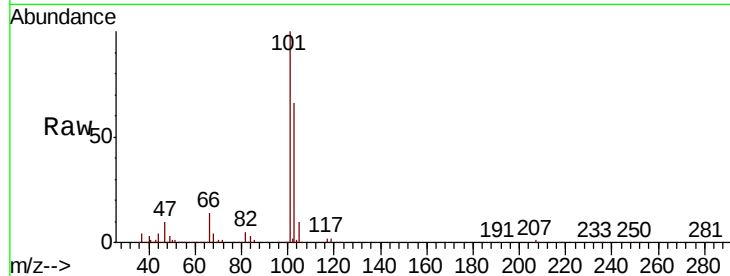


#7

Trichlorofluoromethane
Concen: 40.533 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :

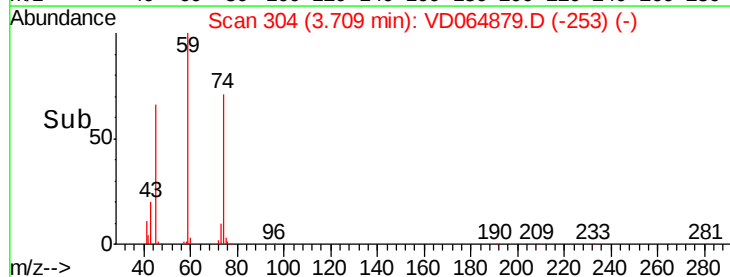
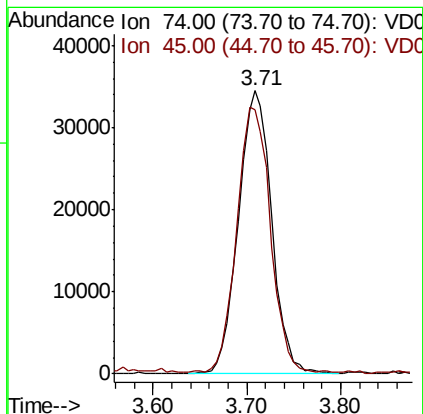
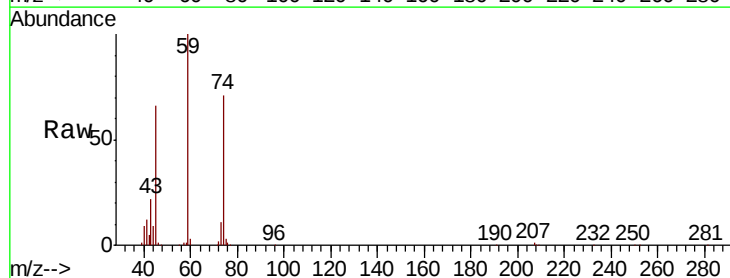
Tot Ion:101 Resp: 373518
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.4

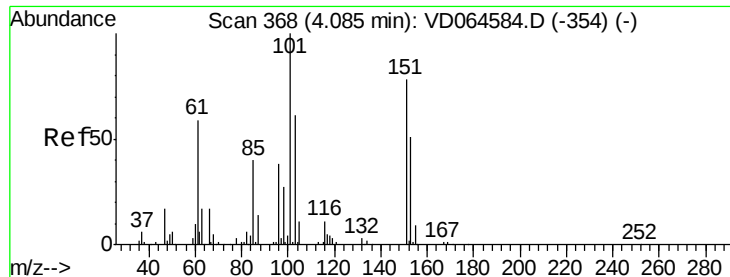


#8

Diethyl Ether
Concen: 46.270 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 74 Resp: 84671
Ion Ratio Lower Upper
74 100
45 94.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.073 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

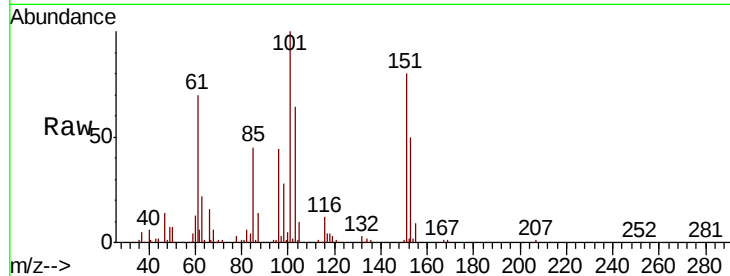
Tot Ion:101 Resp: 183467

Ion Ratio Lower Upper

101 100

85 45.1 35.2 52.8

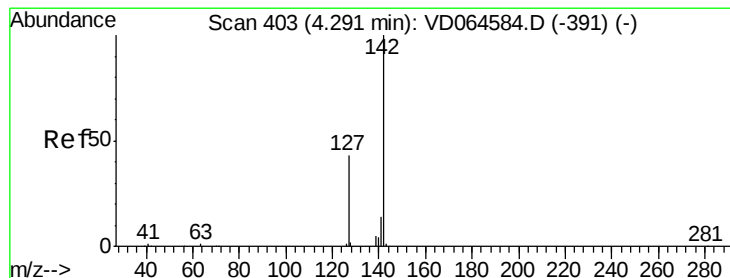
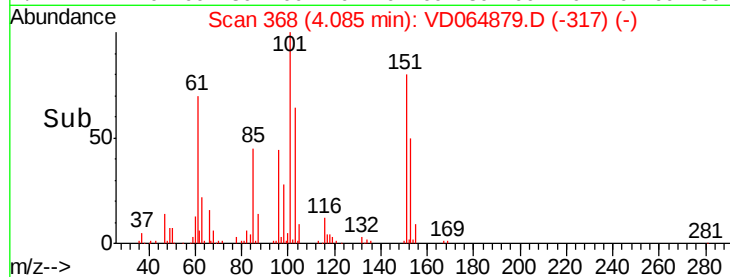
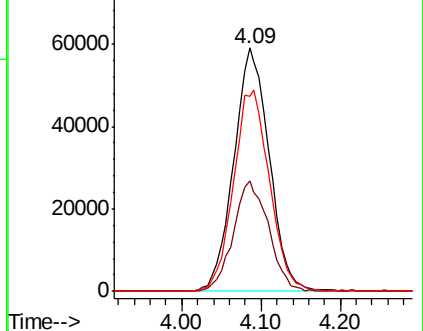
151 83.7 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.921 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

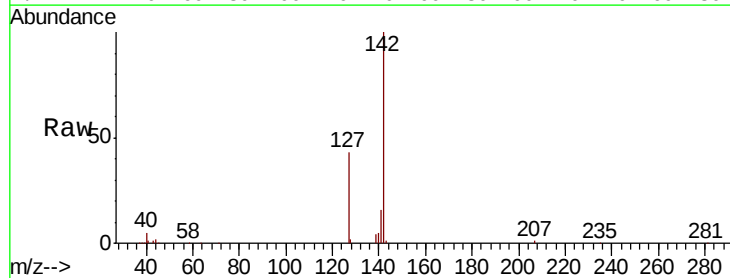
Tgt Ion:142 Resp: 188251

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.4

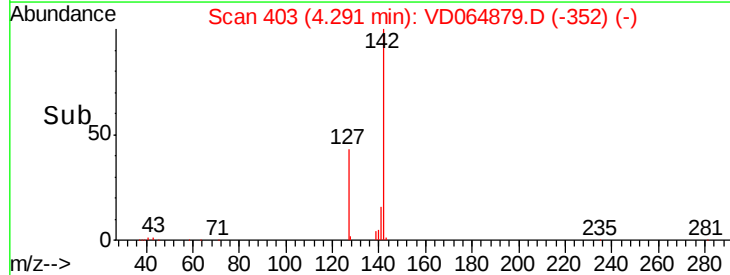
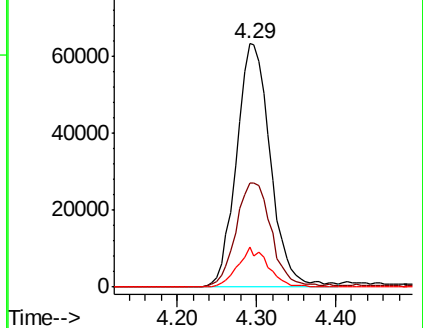
141 14.5 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



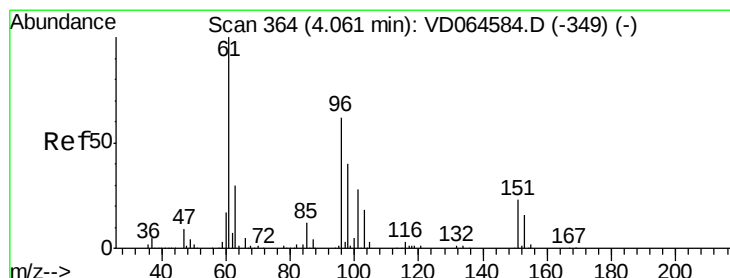
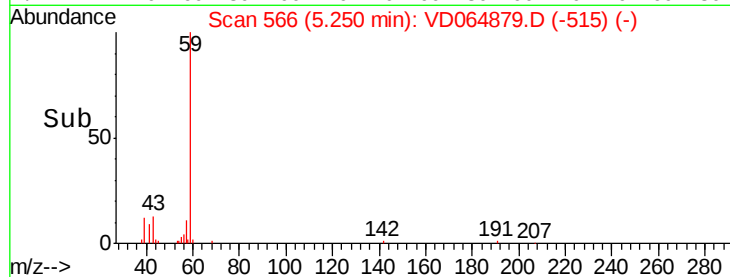
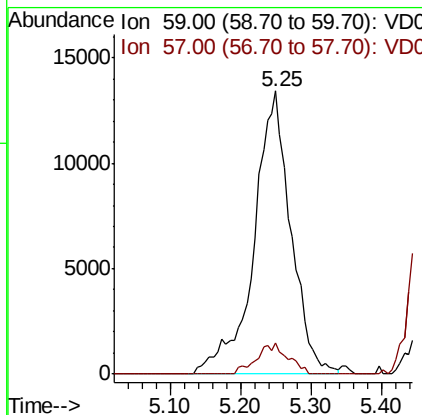
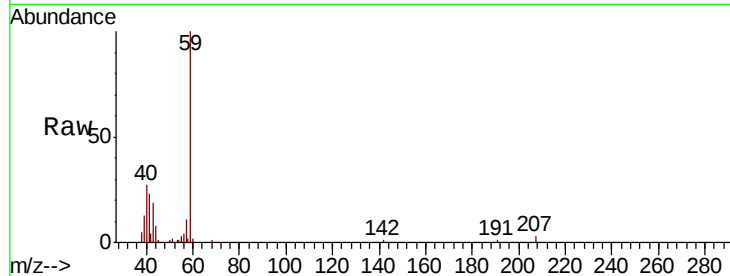


#11

Tert butyl alcohol
 Concen: 235.201 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :

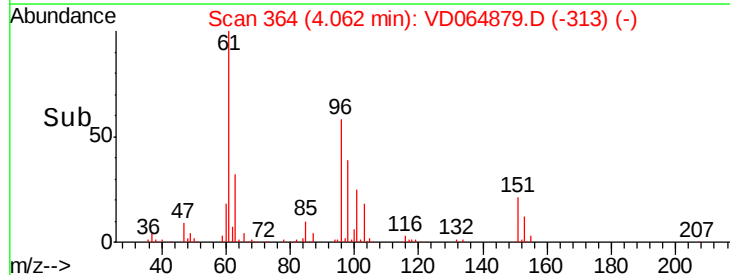
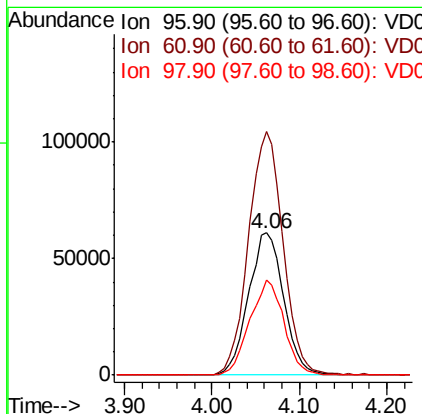
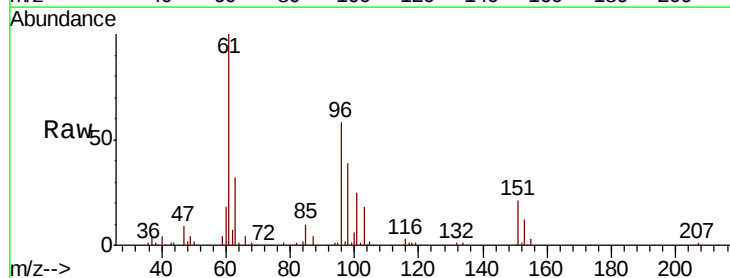
Tot Ion: 59 Resp: 49088
 Ion Ratio Lower Upper
 59 100
 57 9.3 9.3 13.9#

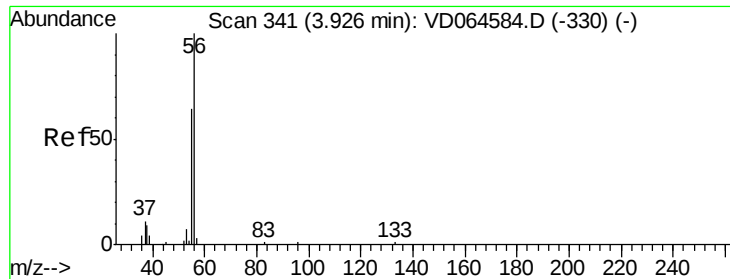


#12

1,1-Dichloroethene
 Concen: 46.108 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion: 96 Resp: 167531
 Ion Ratio Lower Upper
 96 100
 61 171.3 129.4 194.0
 98 67.4 51.4 77.0





#13

Acrolein

Concen: 97.231 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

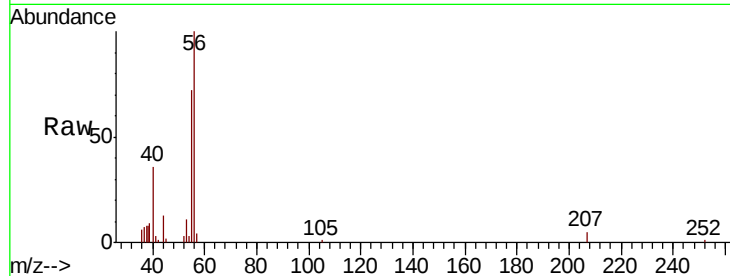
ClientSampleId :

Tot Ion: 56 Resp: 28281

Ion Ratio Lower Upper

56 100

55 74.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

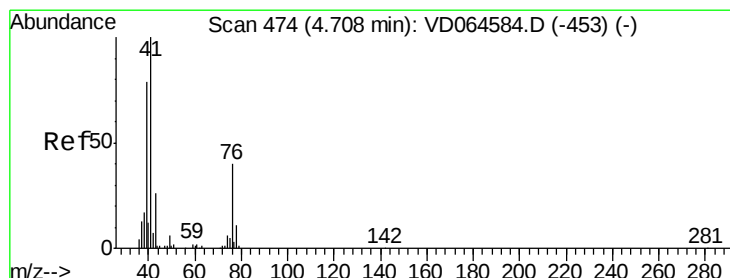
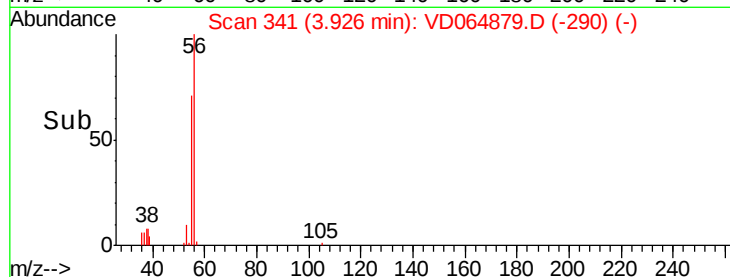
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 50.637 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

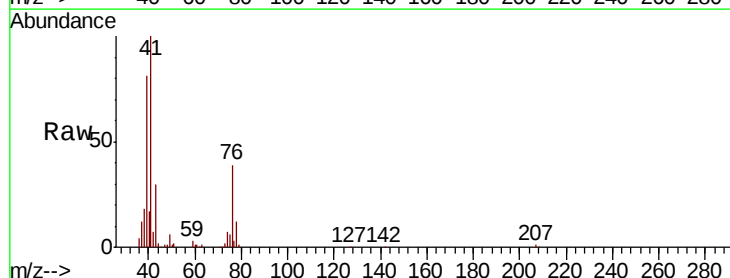
Tgt Ion: 41 Resp: 286856

Ion Ratio Lower Upper

41 100

39 76.2 62.3 93.5

76 37.1 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

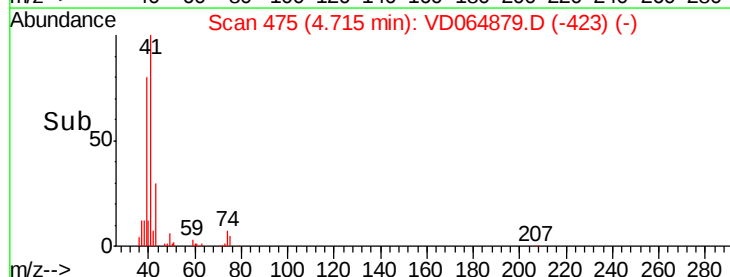
40000

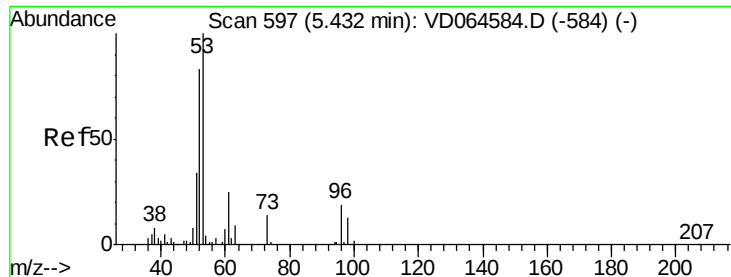
20000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 238.614 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

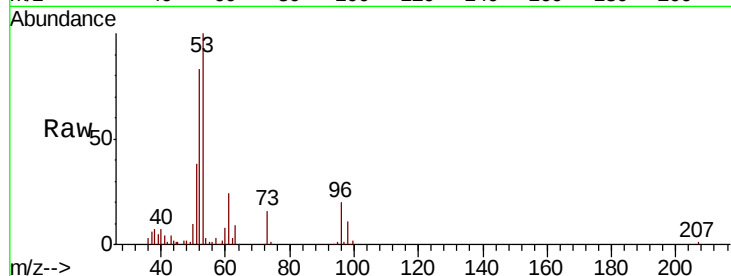
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 181880

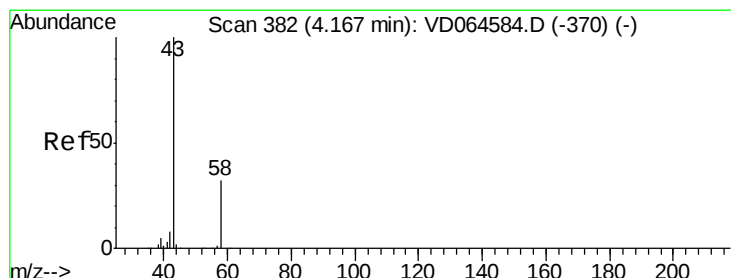
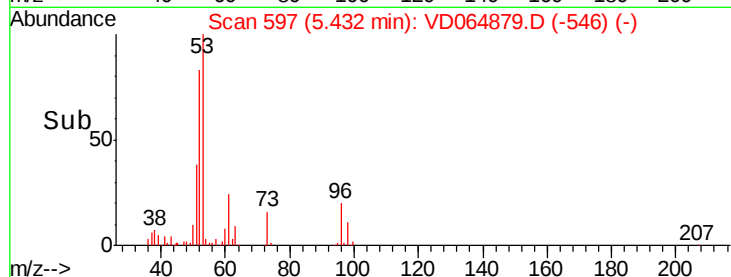
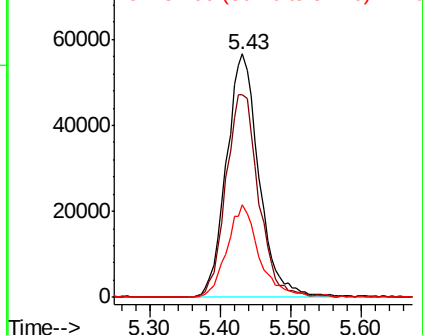
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	37.3	30.1	45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 319.052 ug/l

RT: 4.17 min Scan# 382

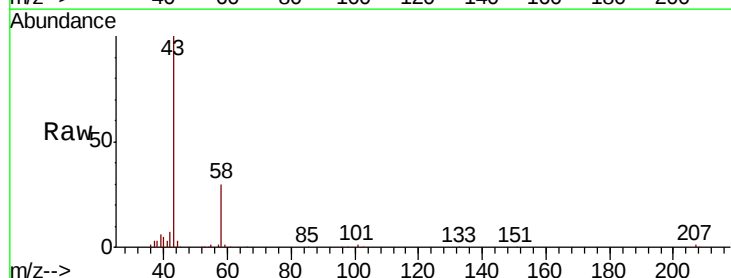
Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

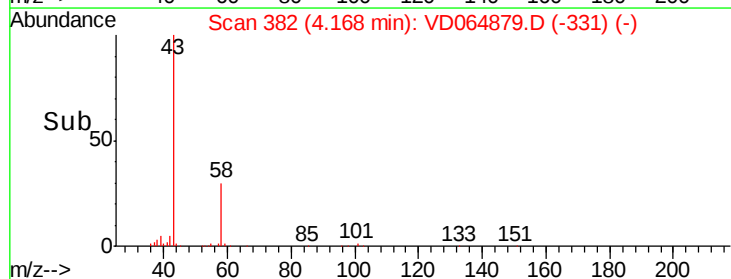
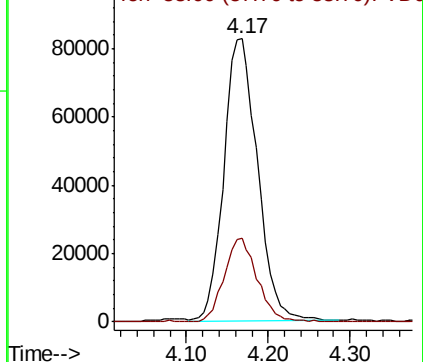
Tgt Ion: 43 Resp: 237201

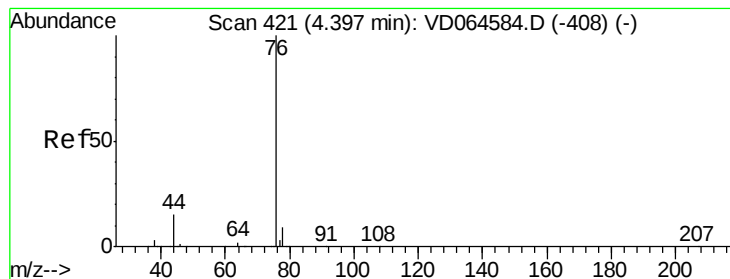
Ion	Ratio	Lower	Upper
43	100		
58	29.5	25.8	38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.022 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

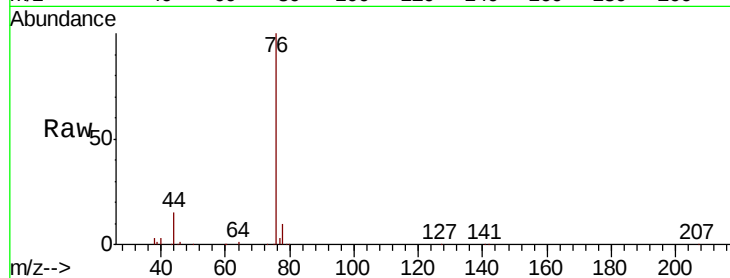
ClientSampleId :

Tot Ion: 76 Resp: 481944

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

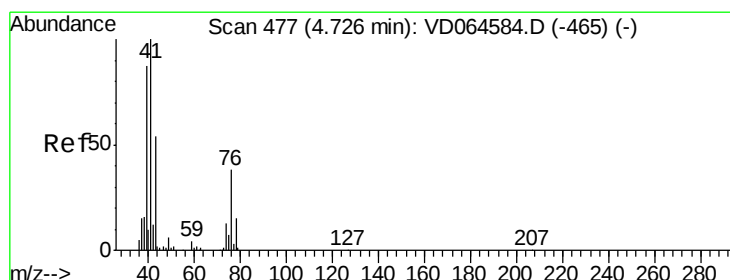
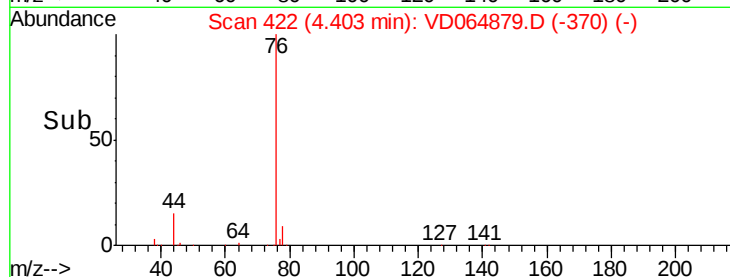
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.813 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064879.D

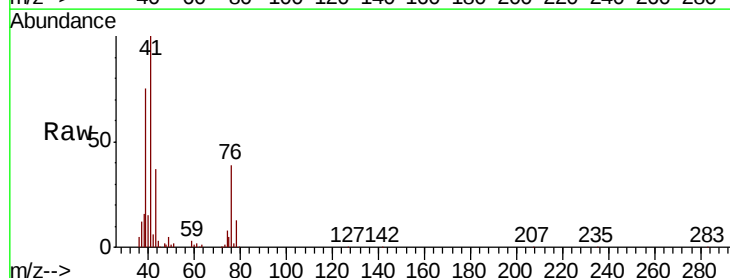
Acq: 20 Jan 2020 09:13

Tgt Ion: 43 Resp: 93927

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

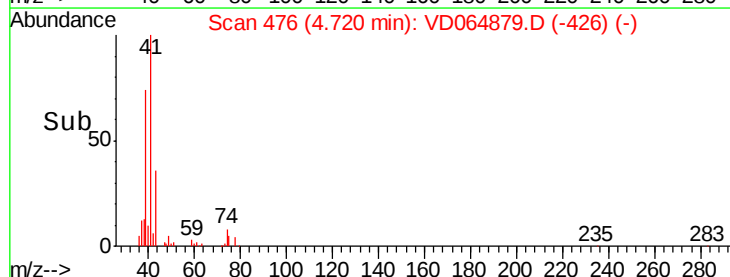
30000

20000

10000

0

Time-->



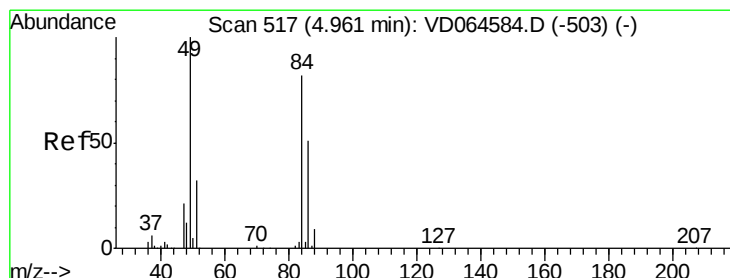
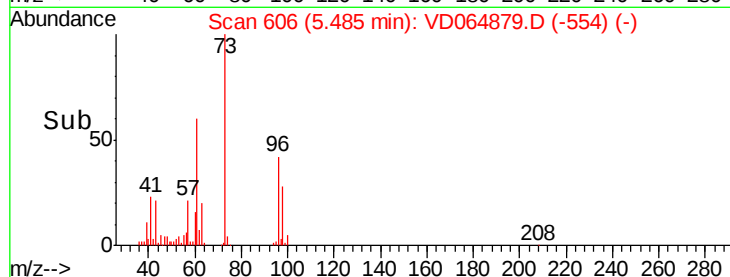
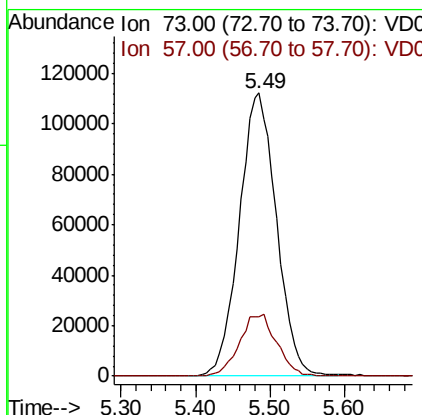
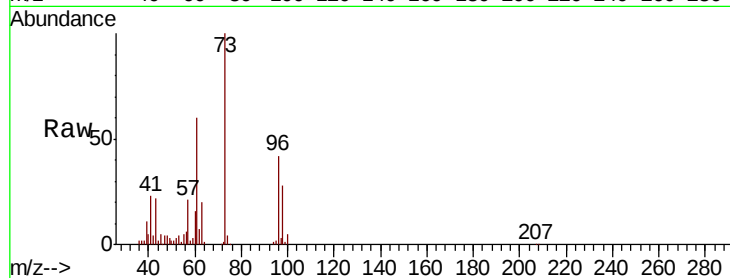


#19

Methyl tert-butyl Ether
 Concen: 48.010 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampled :

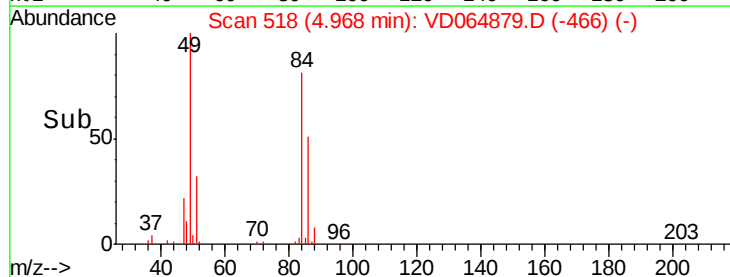
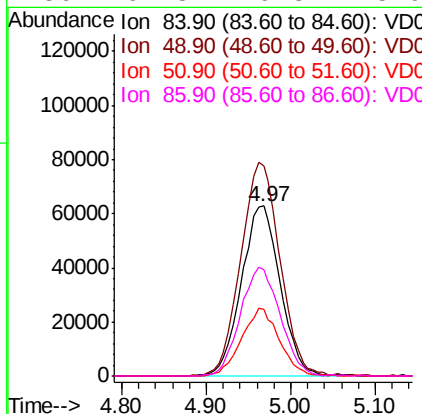
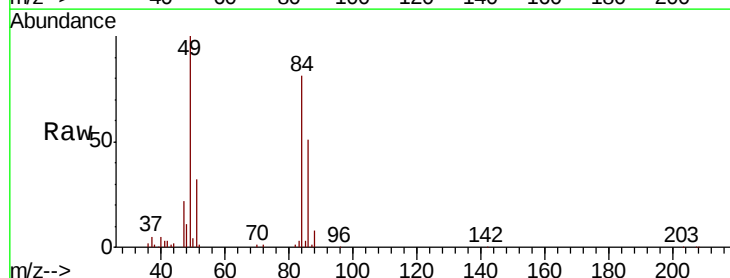
Tot Ion: 73 Resp: 387460
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.6 27.8

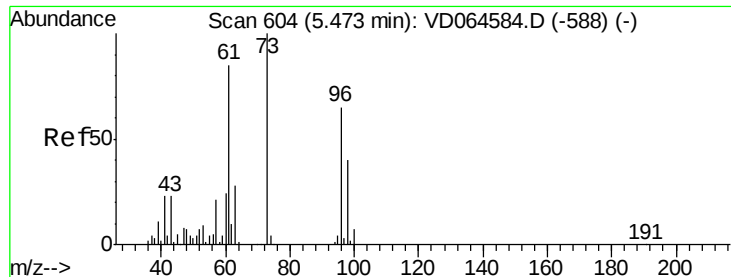


#20

Methylene Chloride
 Concen: 54.379 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion: 84 Resp: 200938
 Ion Ratio Lower Upper
 84 100
 49 123.4 97.2 145.8
 51 39.5 31.4 47.0
 86 62.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.294 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

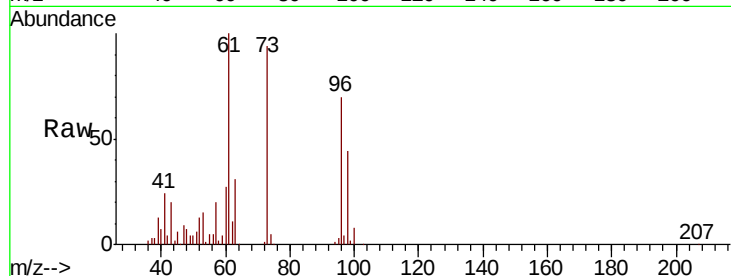
Tot Ion: 96 Resp: 195700

Ion Ratio Lower Upper

96 100

61 142.2 104.7 157.1

98 62.8 49.4 74.2

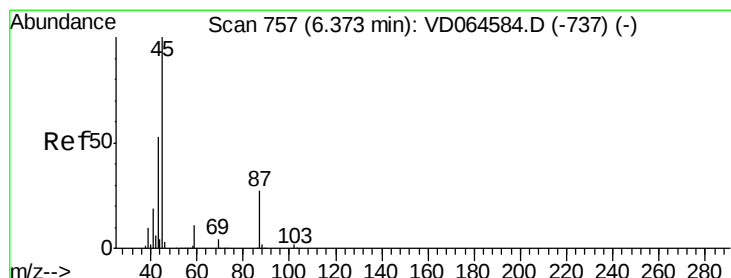
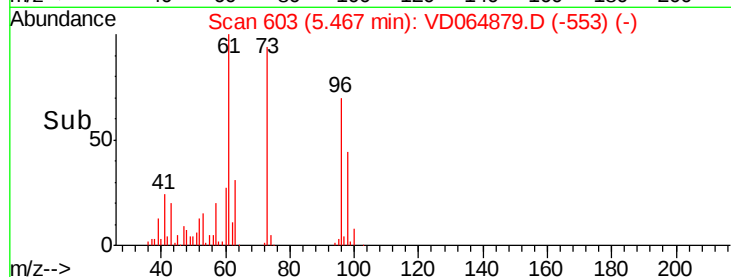
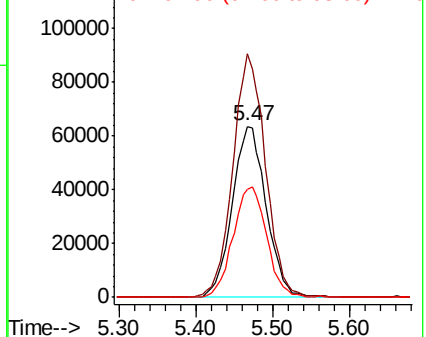


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.622 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tgt Ion: 45 Resp: 583288

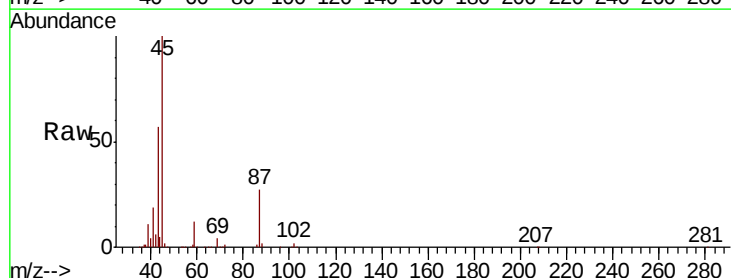
Ion Ratio Lower Upper

45 100

43 56.8 43.2 64.8

87 26.8 21.9 32.9

59 12.0 9.0 13.4



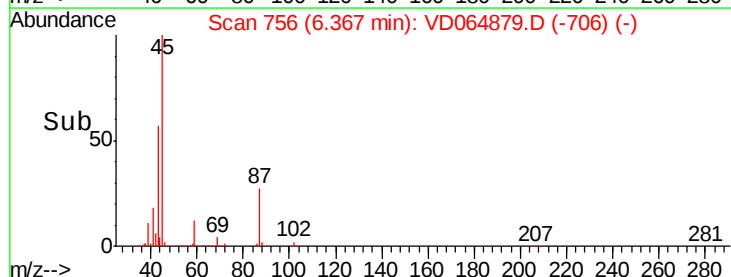
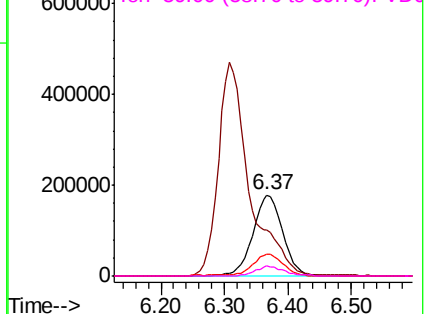
Abundance

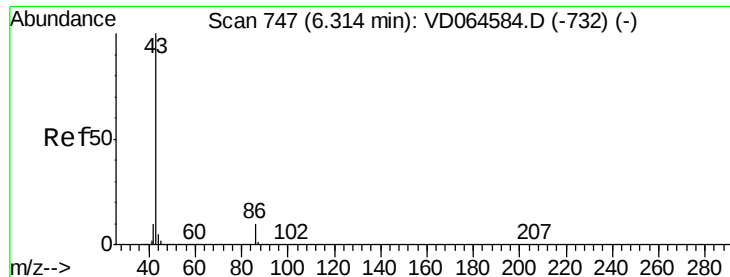
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 250.324 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

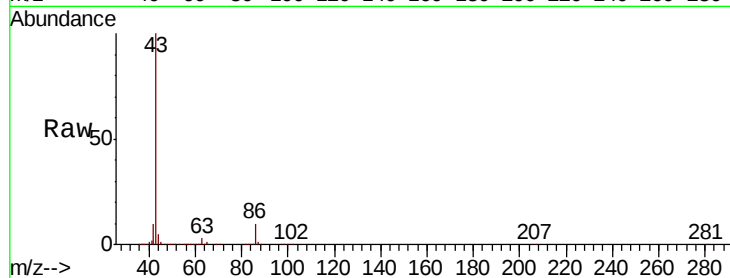
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1604481

Ion Ratio Lower Upper

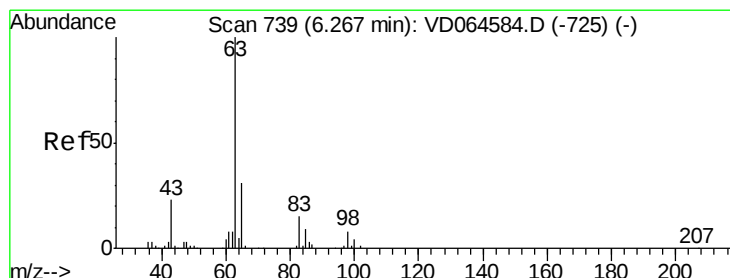
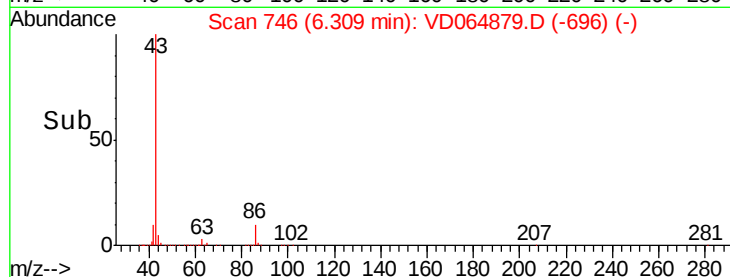
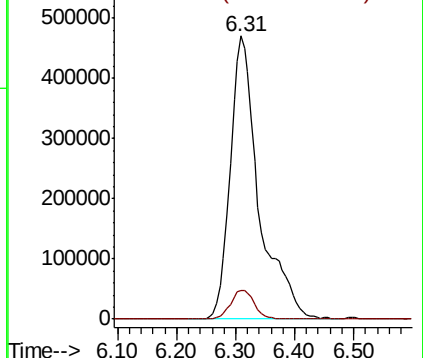
43 100

86 9.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.921 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

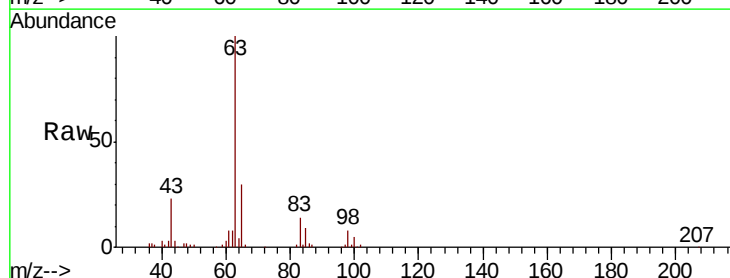
Tgt Ion: 63 Resp: 352193

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

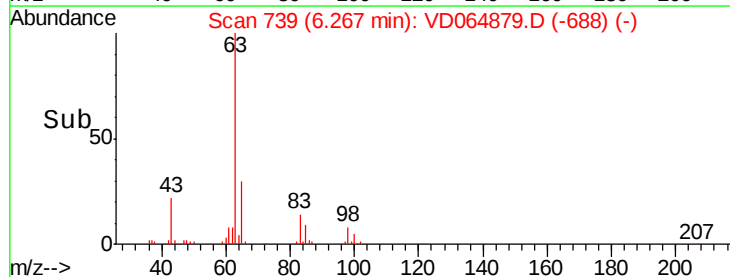
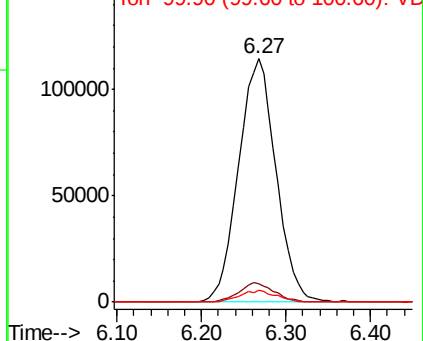
100 4.9 2.2 6.6

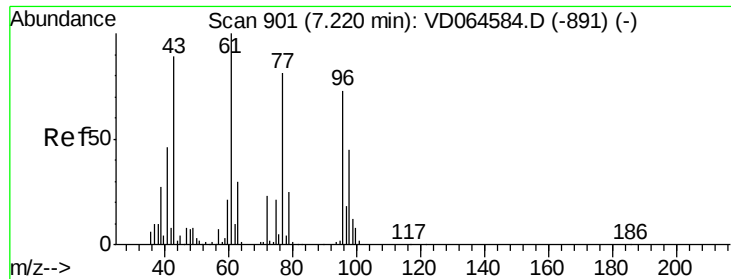


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 261.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

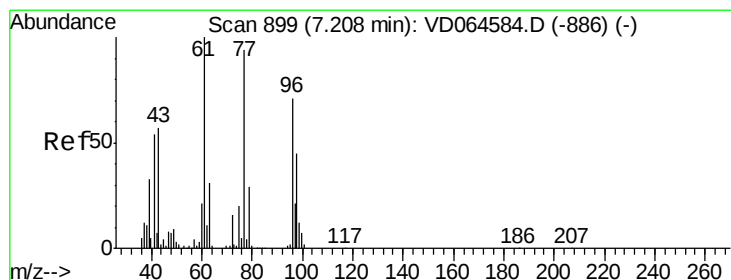
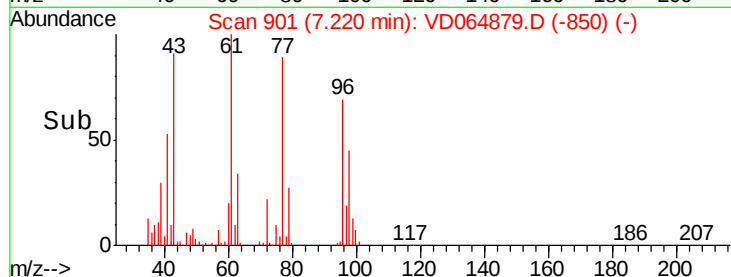
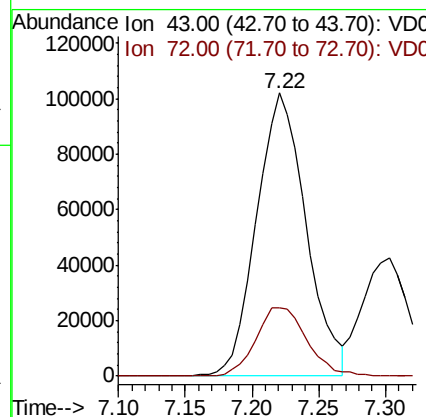
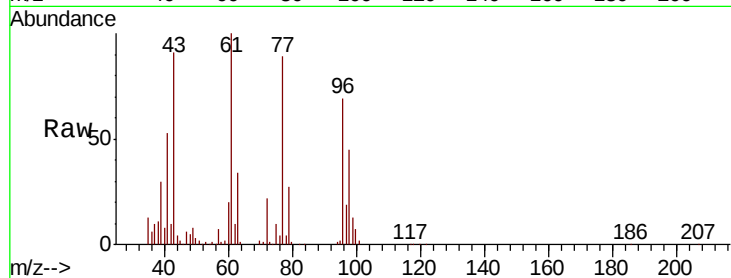
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 261561

Ion Ratio Lower Upper

43 100

72 24.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 51.719 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064879.D

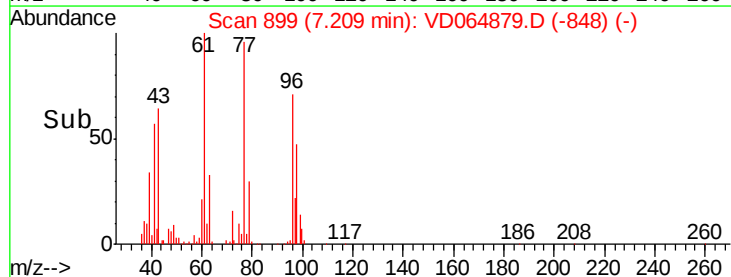
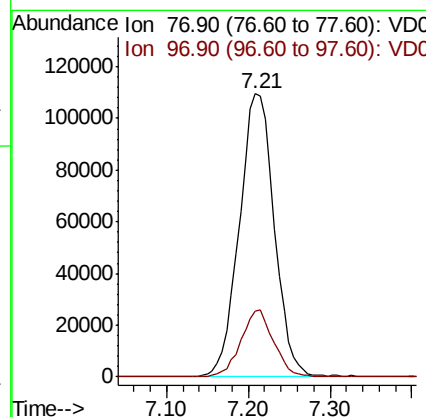
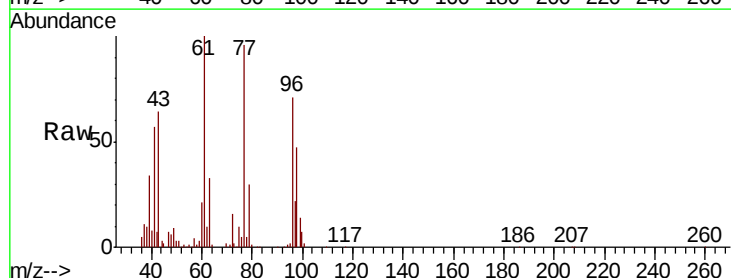
Acq: 20 Jan 2020 09:13

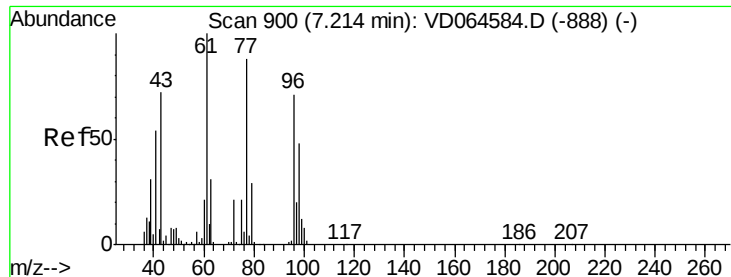
Tgt Ion: 77 Resp: 326184

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6



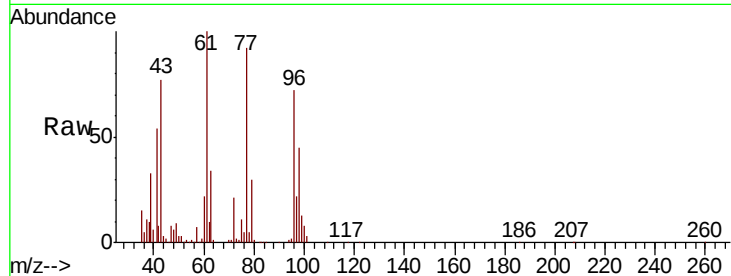


#27

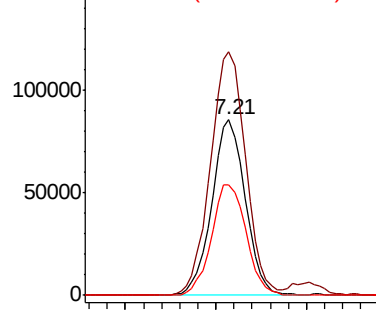
cis-1,2-Dichloroethene
 Concen: 49.214 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampled :

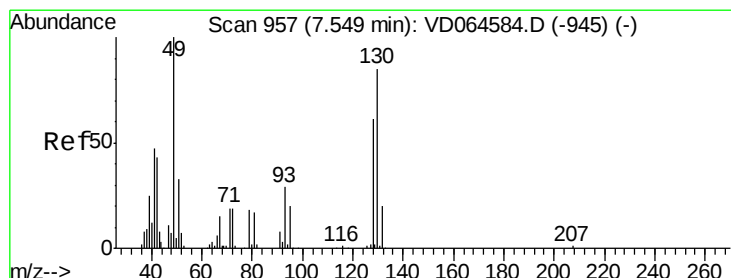
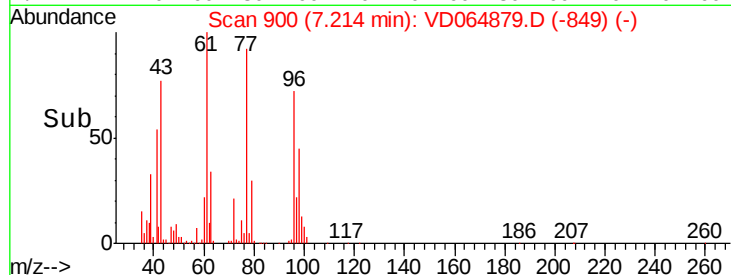
Tot Ion	96	Resp	219776
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	282.6
98	65.3	0.0	130.8



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



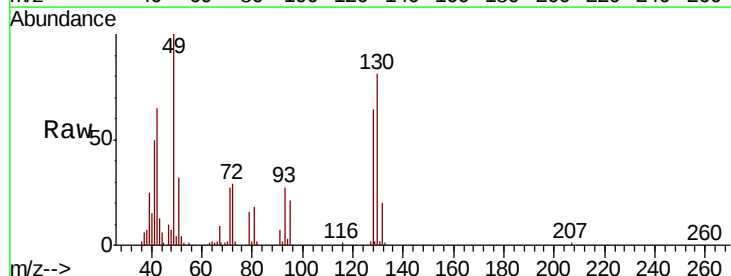
Time-->



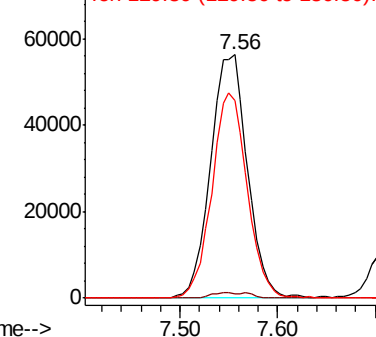
#28

Bromochloromethane
 Concen: 56.424 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

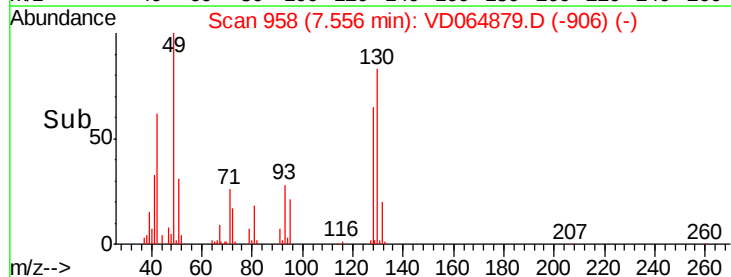
Tgt Ion	49	Resp	148784
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	80.9	65.0	97.6

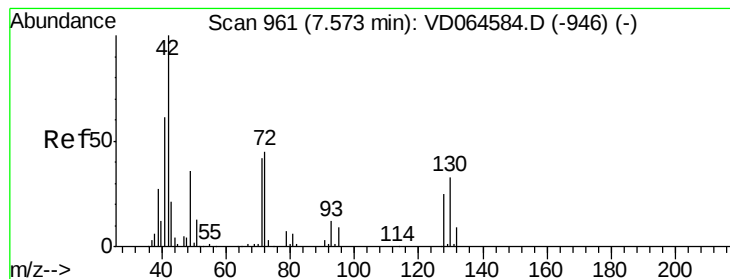


Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



Time-->





#29

Tetrahydrofuran

Concen: 230.109 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

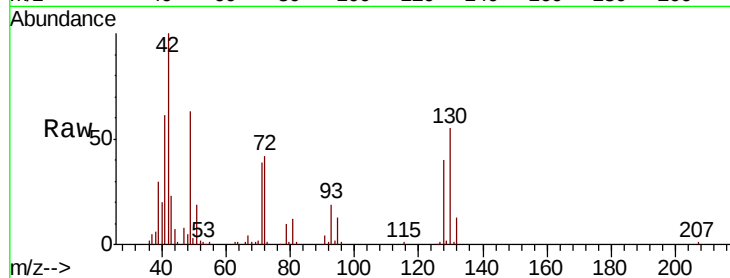
Tot Ion: 42 Resp: 143244

Ion Ratio Lower Upper

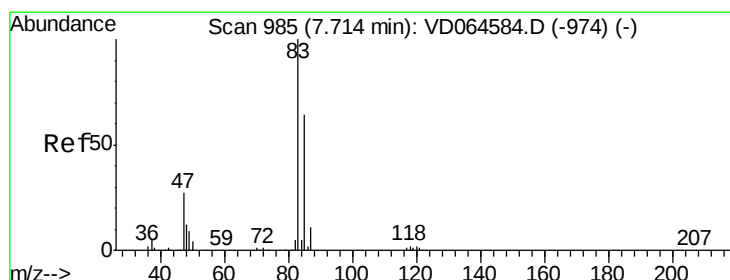
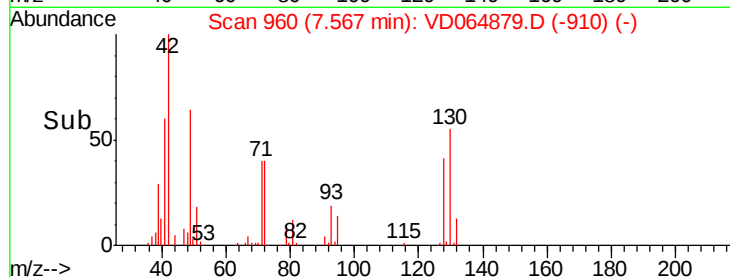
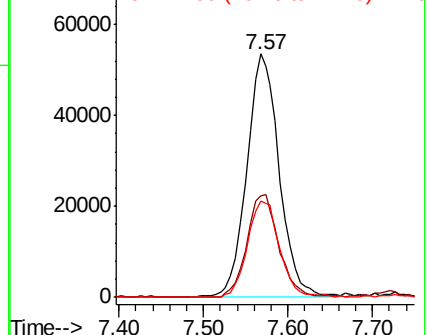
42 100

72 41.2 35.0 52.4

71 39.2 32.9 49.3



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



#30

Chloroform

Concen: 51.427 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064879.D

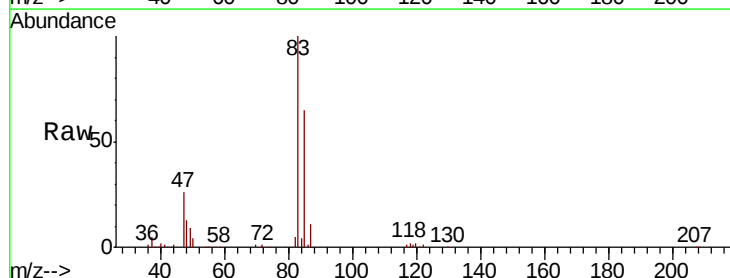
Acq: 20 Jan 2020 09:13

Tgt Ion: 83 Resp: 365999

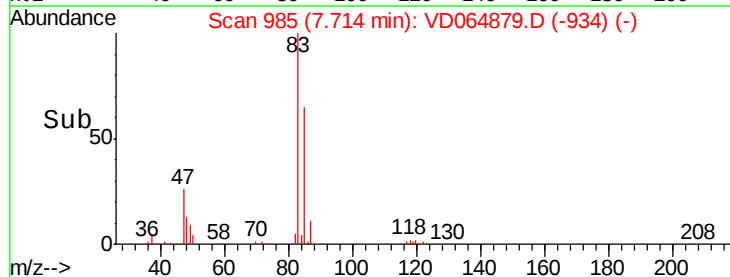
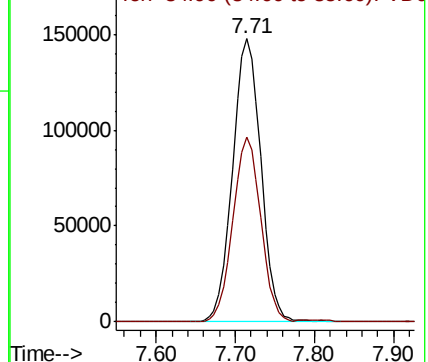
Ion Ratio Lower Upper

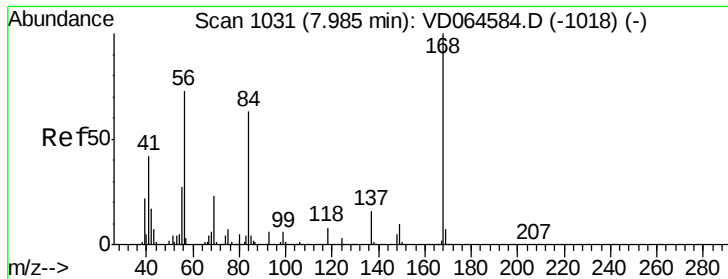
83 100

85 65.3 51.1 76.7



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

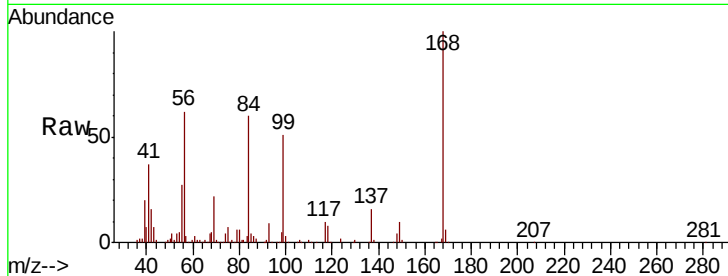




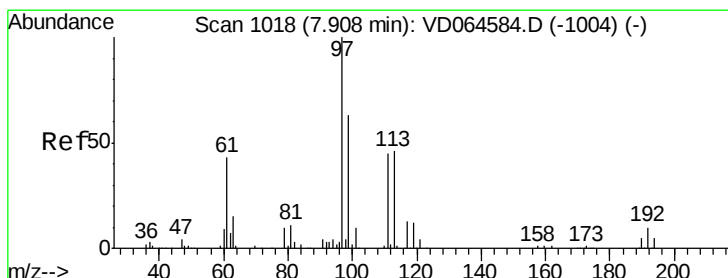
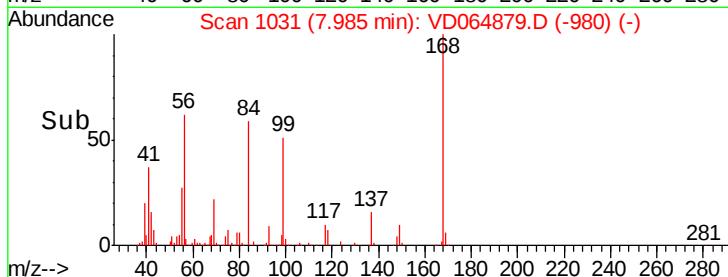
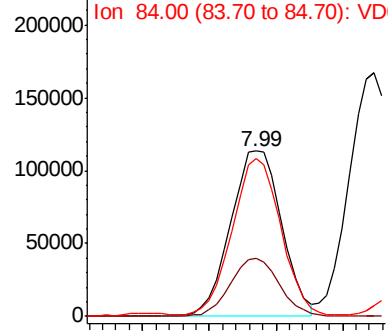
#31
Cyclohexane
Concen: 44.404 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 301506
Ion Ratio Lower Upper
56 100
69 34.7 24.7 37.1
84 93.9 69.4 104.2

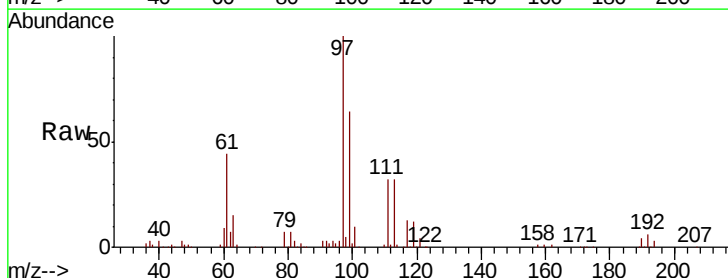


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

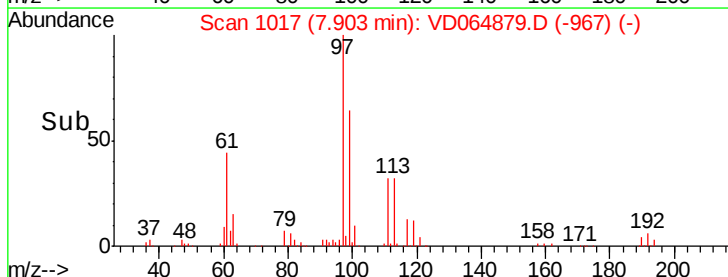
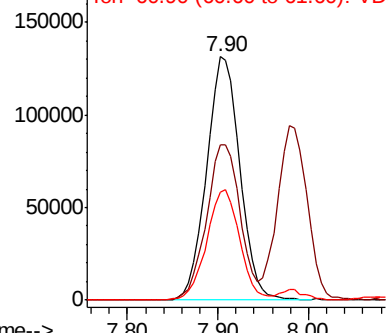


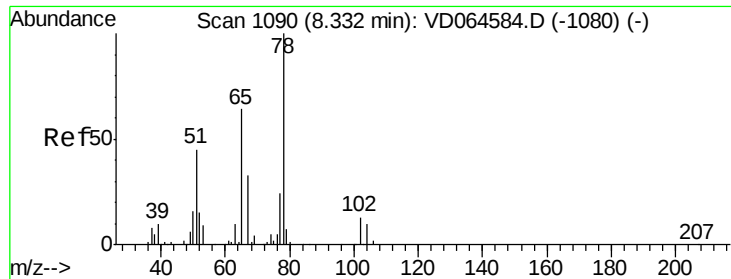
#32
1,1,1-Trichloroethane
Concen: 50.205 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 97 Resp: 335602
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.8 35.4 53.0



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

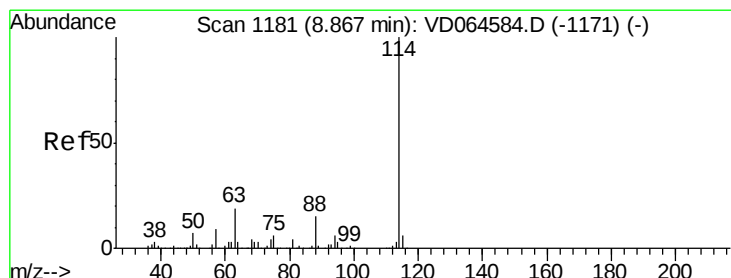
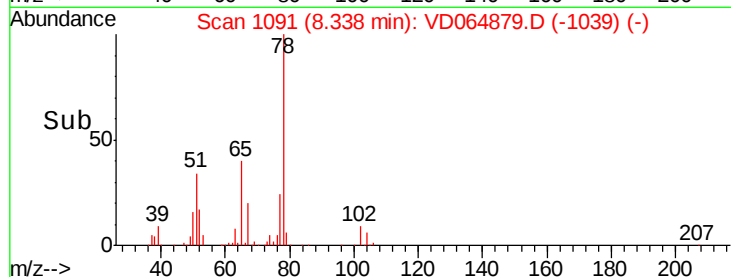
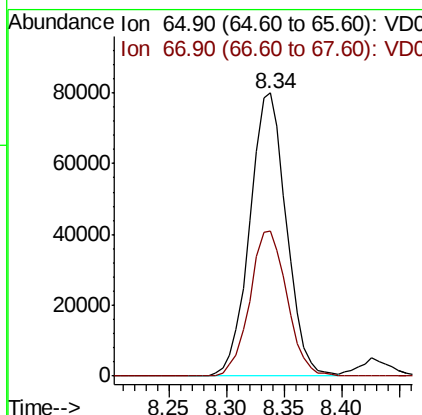
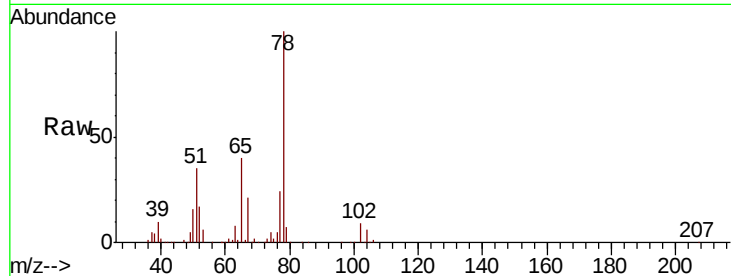




#33
 1,2-Dichloroethane-d4
 Concen: 48.547 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

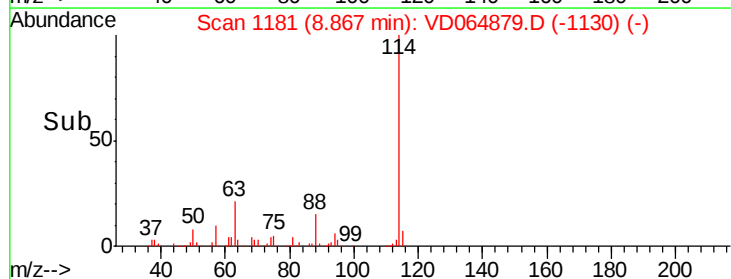
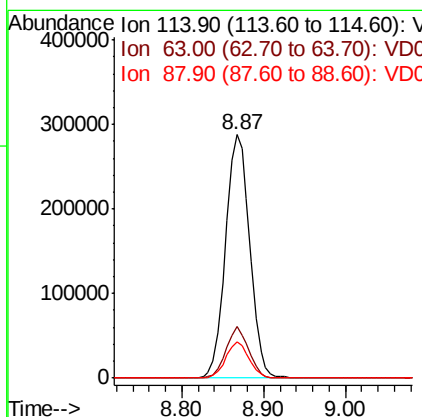
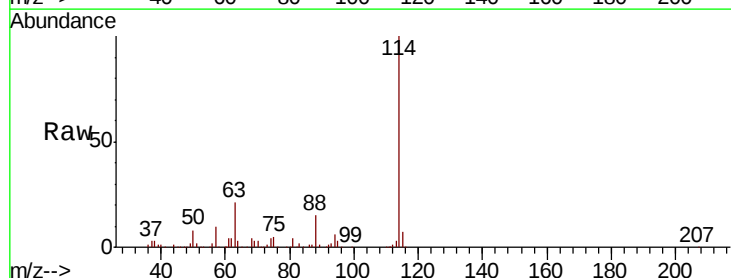
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 176793
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion: 114 Resp: 594210
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.0
 88 14.7 0.0 29.2

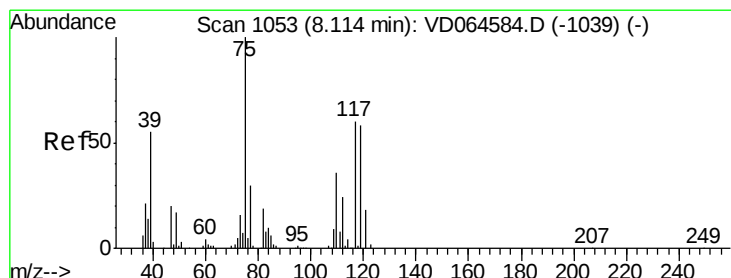
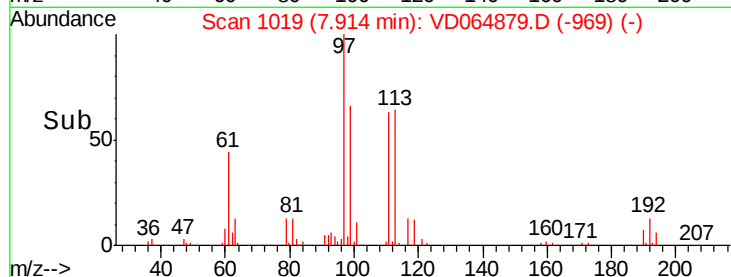
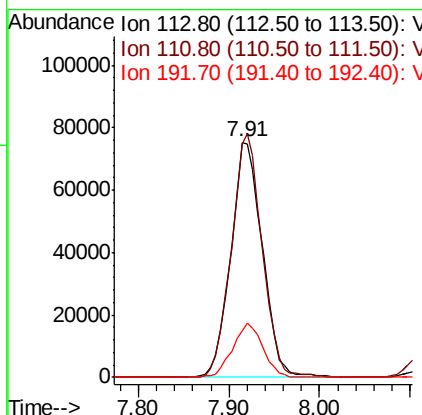
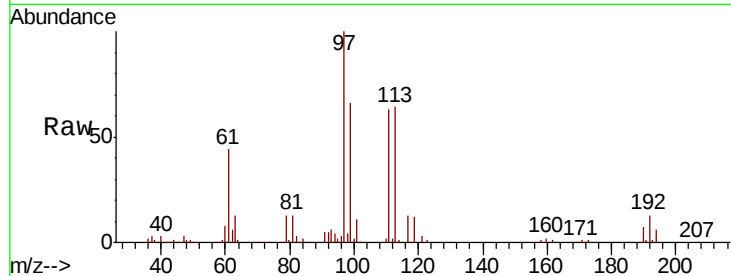




#35
 Dibromofluoromethane
 Concen: 49.839 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

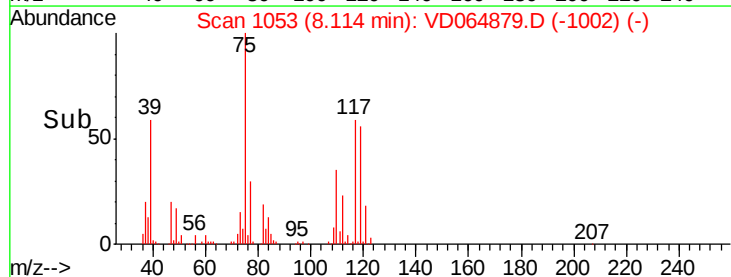
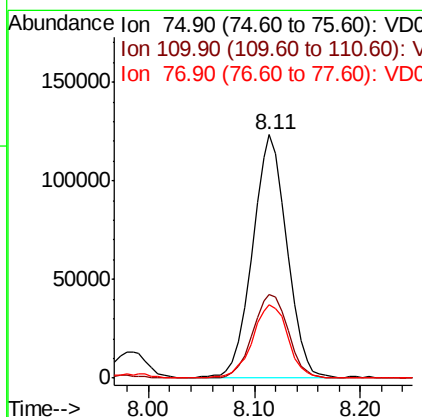
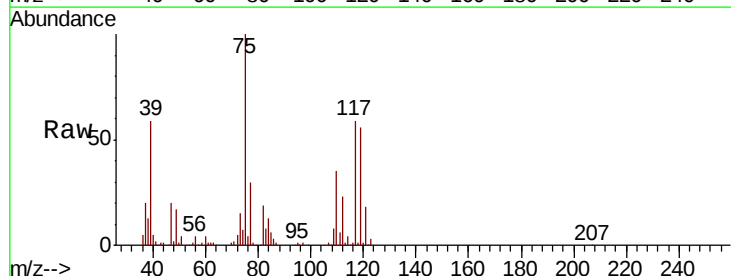
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.6	121.0
192	22.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 48.827 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.1
77	31.2	24.2	36.4

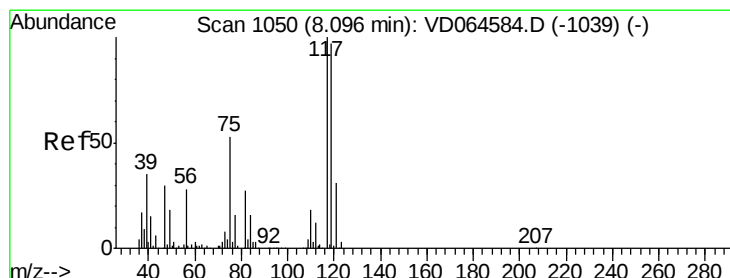
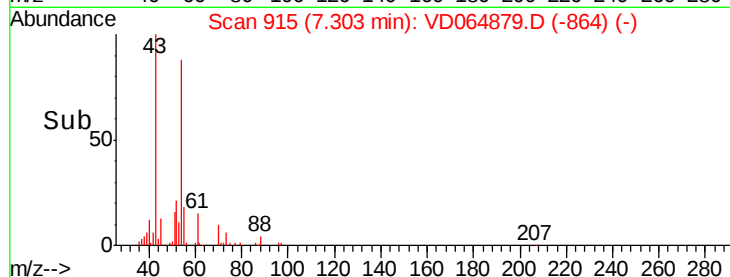
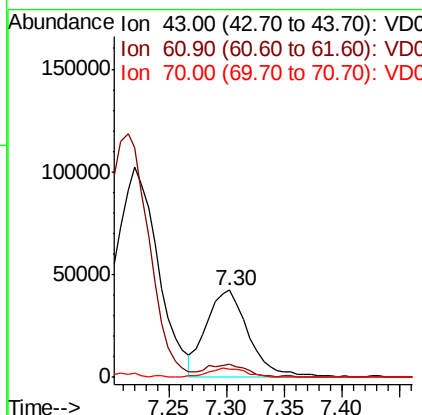
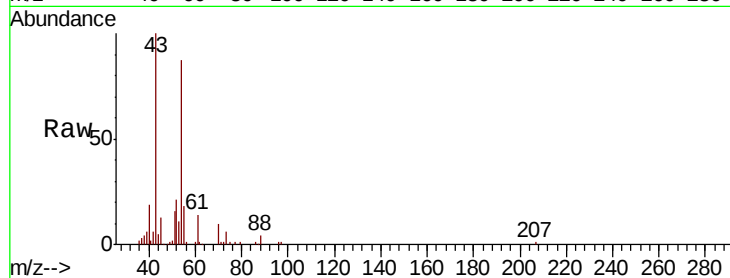




#37
Ethyl Acetate
Concen: 47.267 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

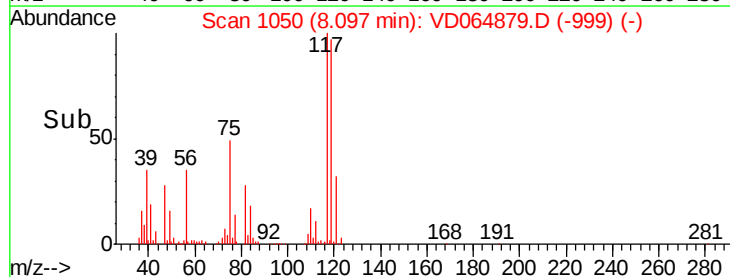
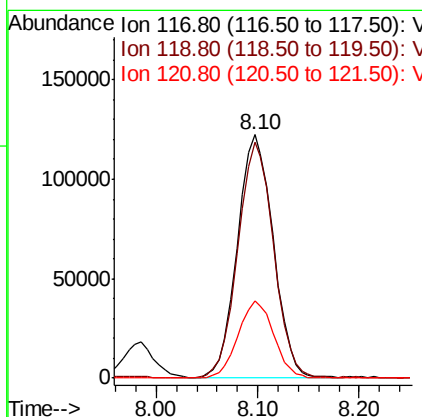
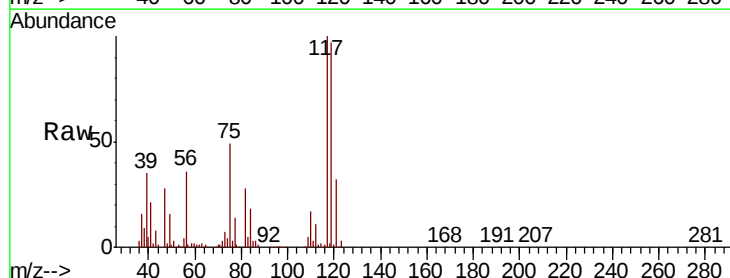
Instrument :
MSVOA_D
ClientSampleId :

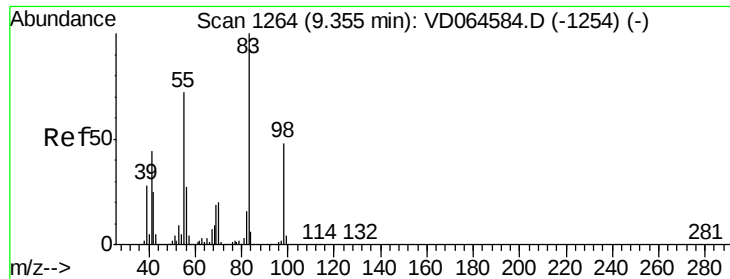
Tot Ion: 43 Resp: 106200
Ion Ratio Lower Upper
43 100
61 15.3 10.3 15.5
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.245 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 117 Resp: 300318
Ion Ratio Lower Upper
117 100
119 97.0 77.3 115.9
121 31.7 25.0 37.6

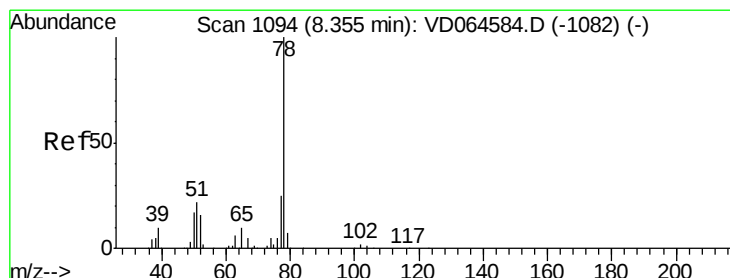
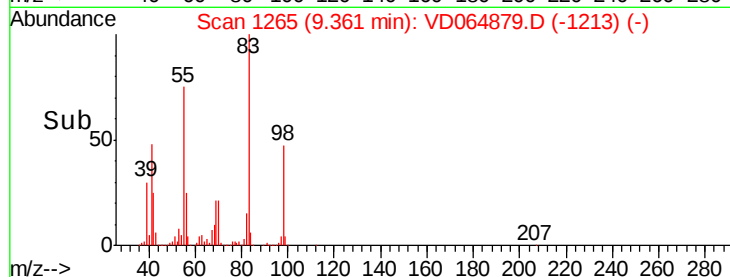
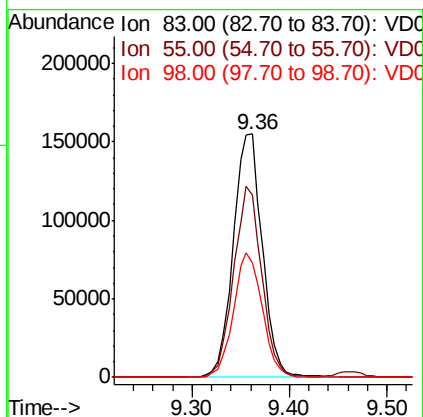
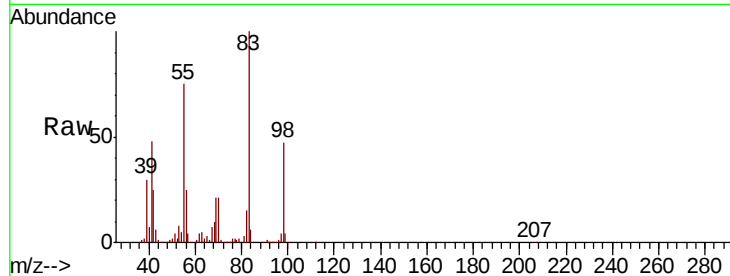




#39
Methvlcvclohexane
Concen: 46.340 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

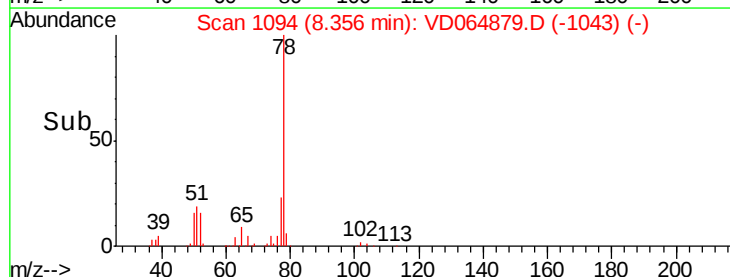
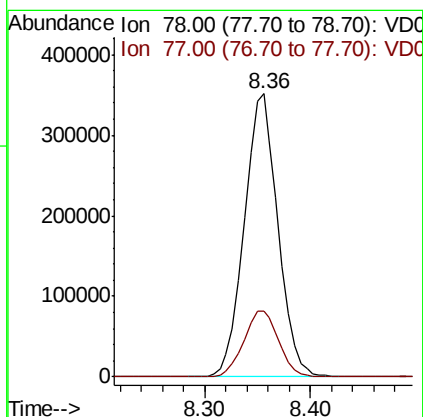
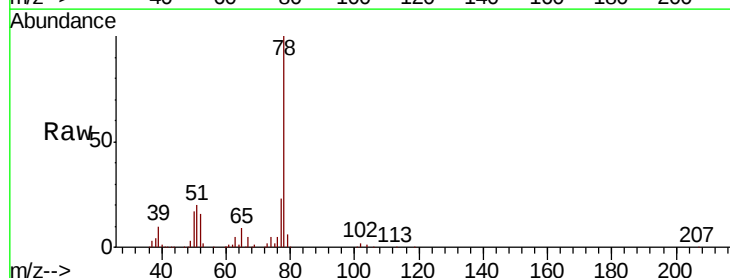
Instrument :
MSVOA_D
ClientSampled :

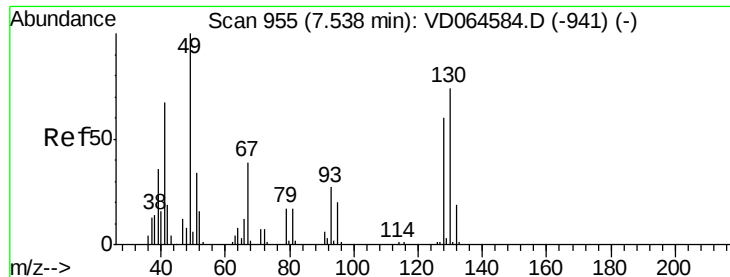
Tot Ion: 83 Resp: 320998
Ion Ratio Lower Upper
83 100
55 74.7 57.8 86.6
98 47.0 38.7 58.1



#40
Benzene
Concen: 49.697 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 78 Resp: 775921
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9

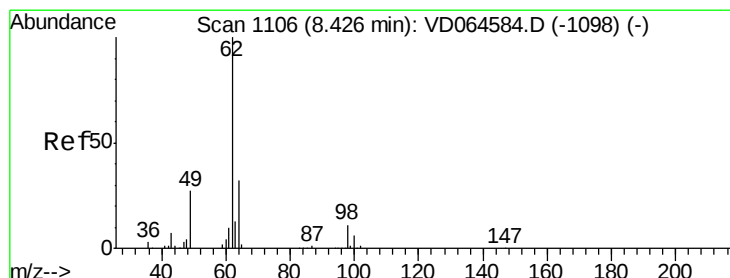
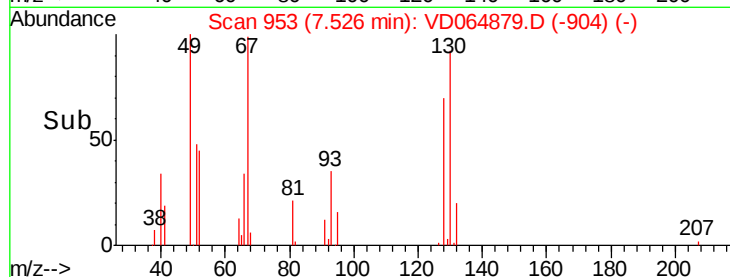
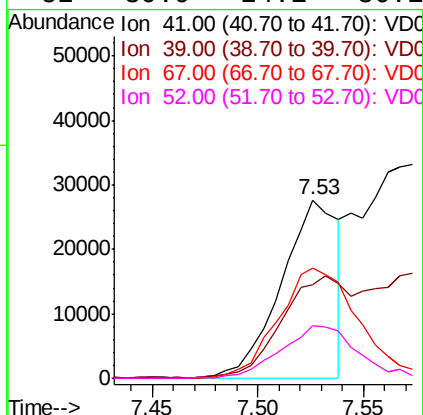
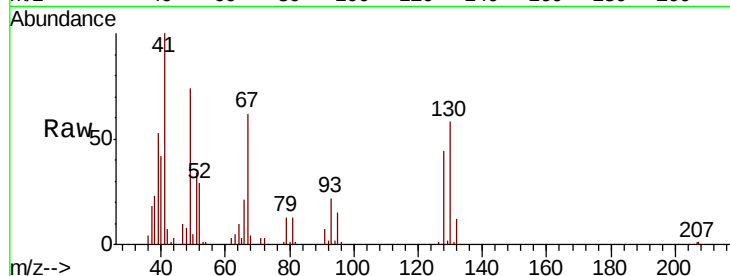




#41
Methacrylonitrile
Concen: 39.711 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

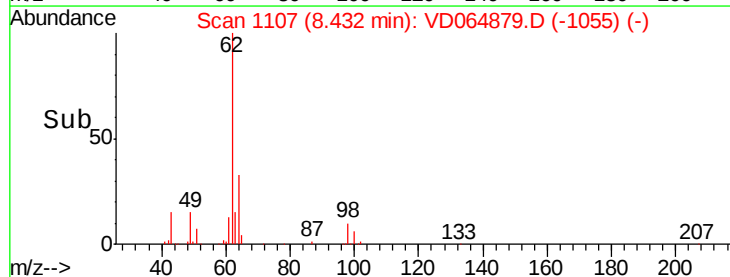
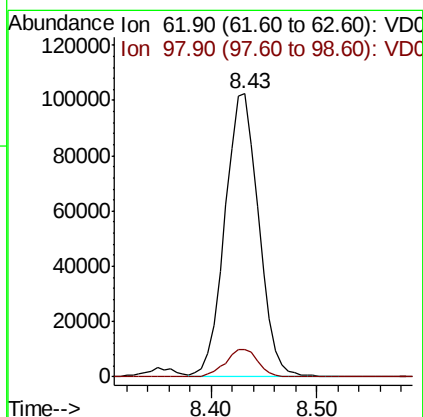
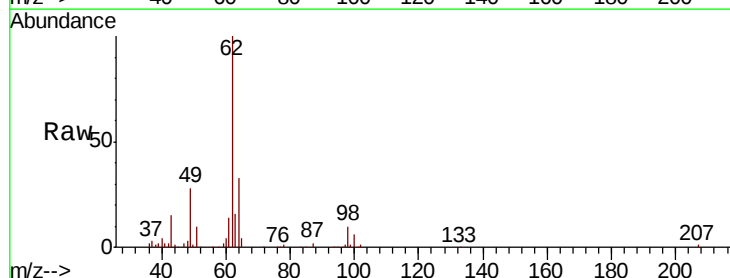
Instrument :
MSVOA_D
ClientSampled :

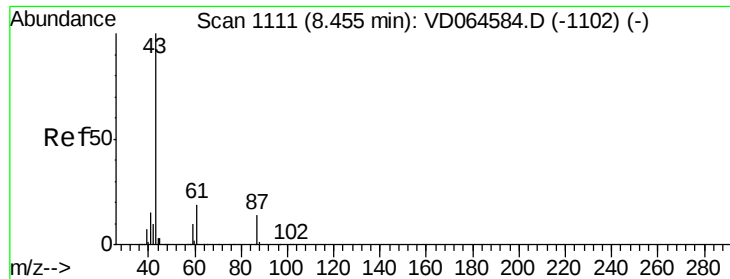
Tot Ion: 41 Resp: 51767
Ion Ratio Lower Upper
41 100
39 67.6 46.7 70.1
67 86.9 52.5 78.7#
52 39.9 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 50.055 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 62 Resp: 225835
Ion Ratio Lower Upper
62 100
98 9.5 0.0 20.0





#43

Isopropyl Acetate

Concen: 46.666 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

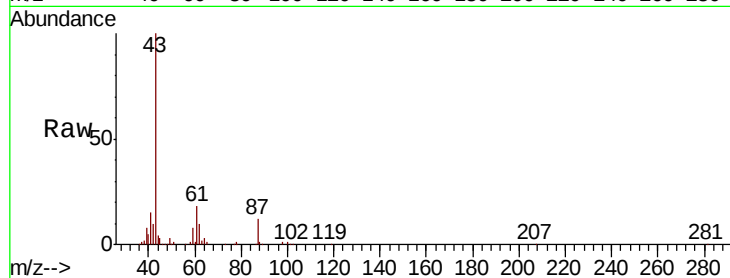
Tot Ion: 43 Resp: 208694

Ion Ratio Lower Upper

43 100

61 28.9 23.7 35.5

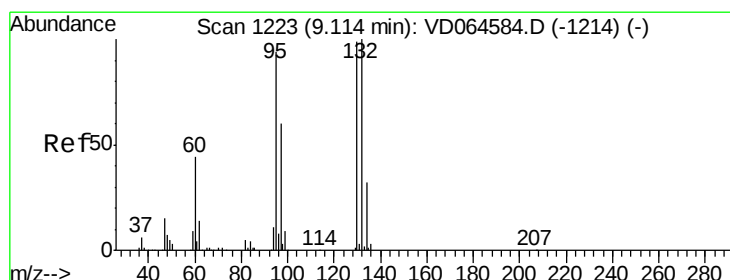
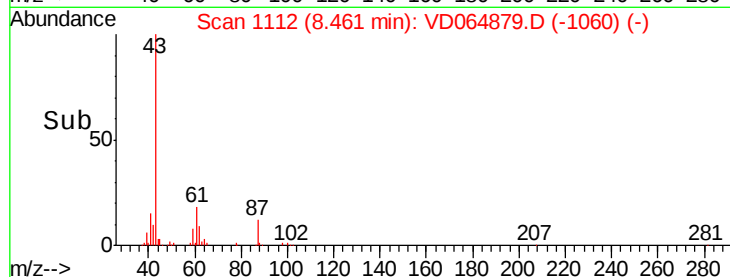
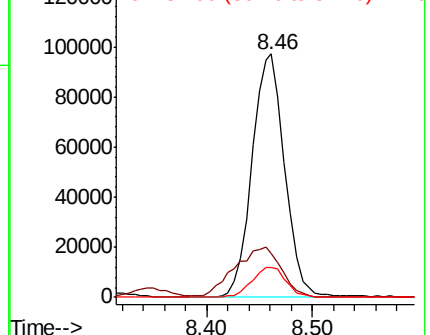
87 12.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.452 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064879.D

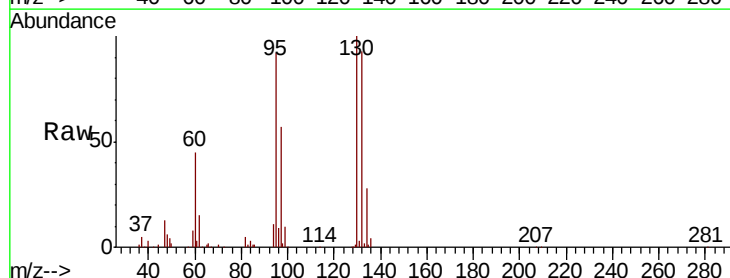
Acq: 20 Jan 2020 09:13

Tgt Ion: 130 Resp: 222232

Ion Ratio Lower Upper

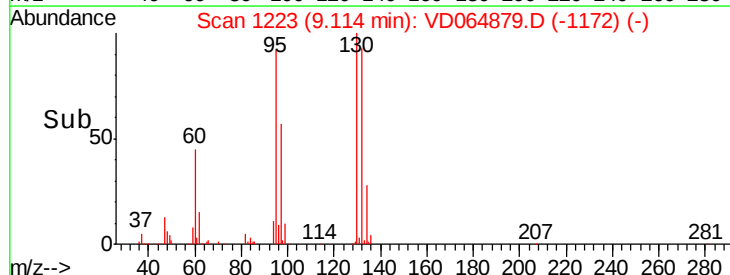
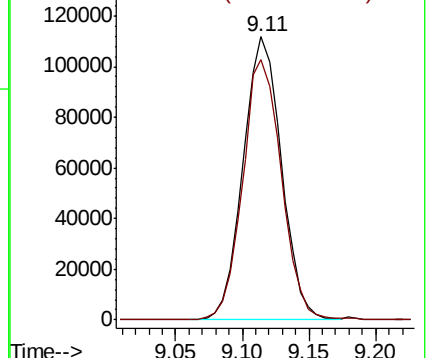
130 100

95 91.9 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.017 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

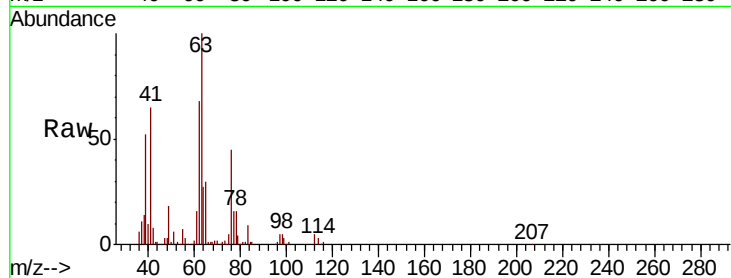
ClientSampleId :

Tot Ion: 63 Resp: 193909

Ion Ratio Lower Upper

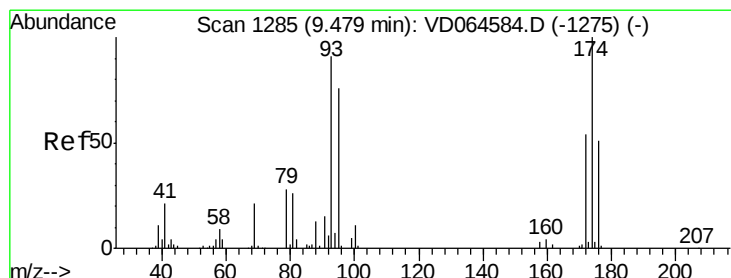
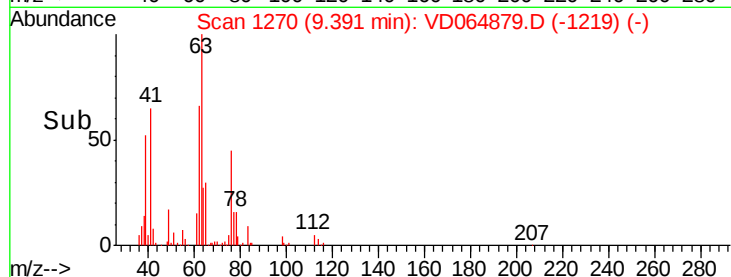
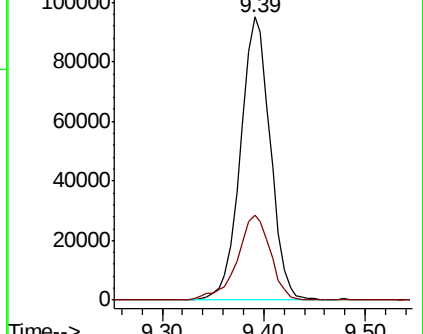
63 100

65 30.0 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.018 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

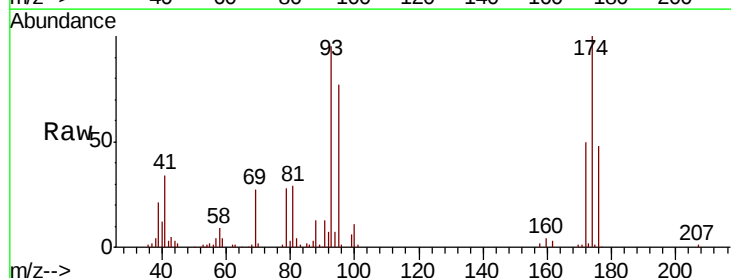
Tgt Ion: 93 Resp: 99799

Ion Ratio Lower Upper

93 100

95 82.8 64.6 97.0

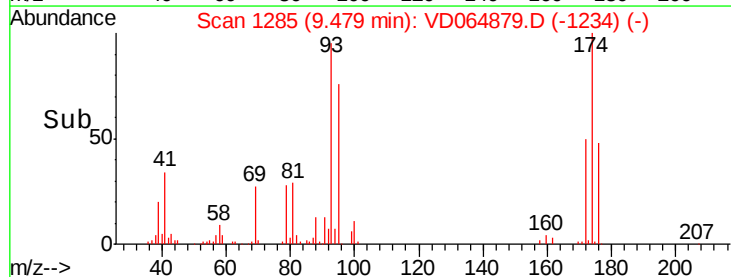
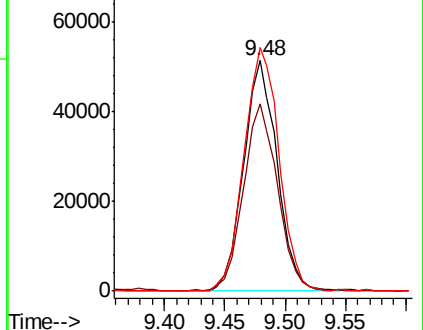
174 110.6 88.1 132.1

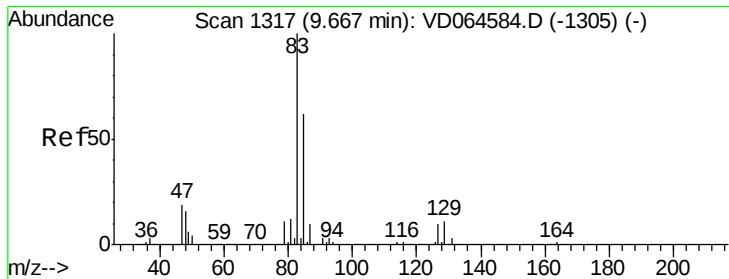


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.532 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

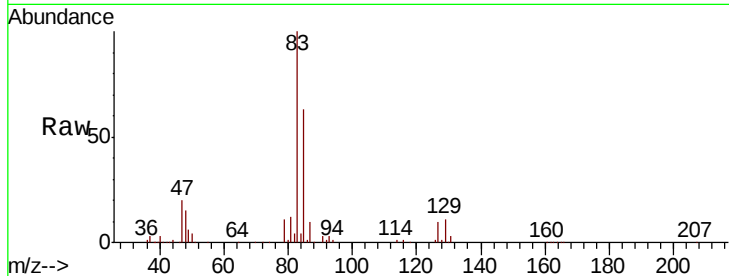
Tot Ion: 83 Resp: 279468

Ion Ratio Lower Upper

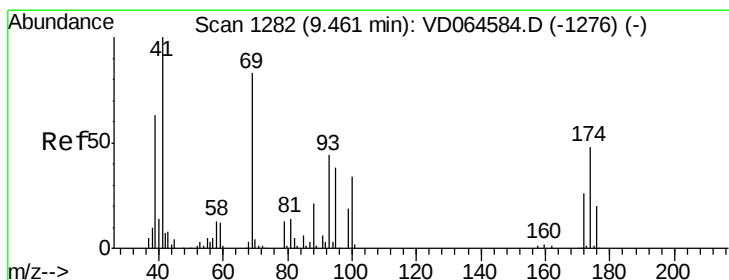
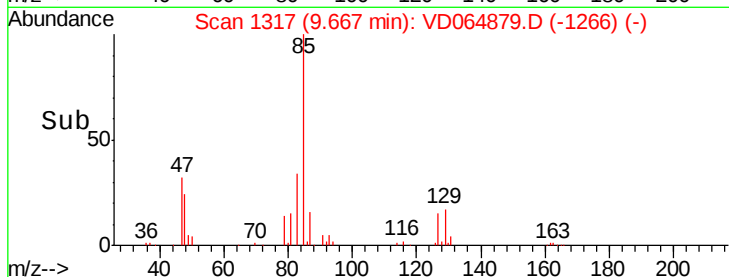
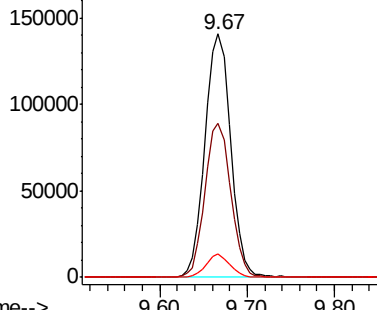
83 100

85 63.1 49.5 74.3

127 9.7 7.8 11.6



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



#48

Methyl methacrylate

Concen: 46.605 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

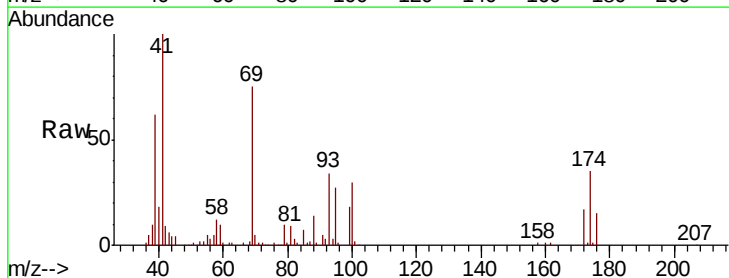
Tgt Ion: 41 Resp: 98136

Ion Ratio Lower Upper

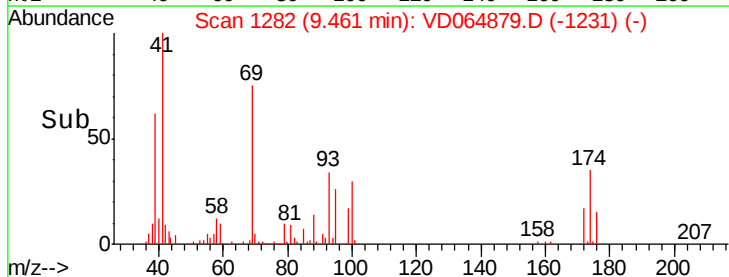
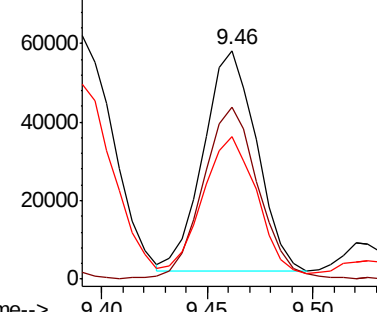
41 100

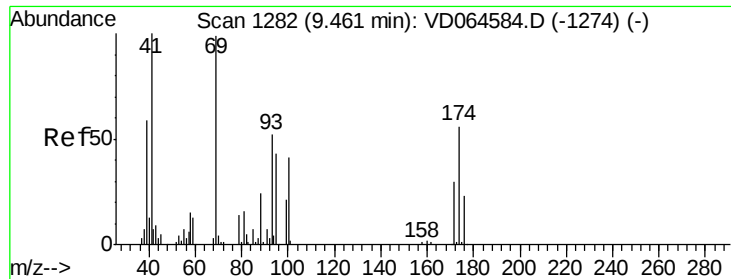
69 81.1 63.0 94.6

39 61.7 47.4 71.2



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

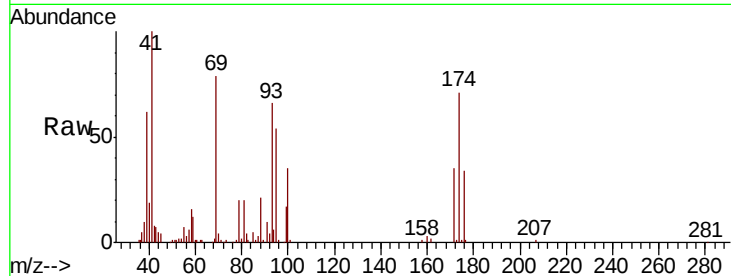




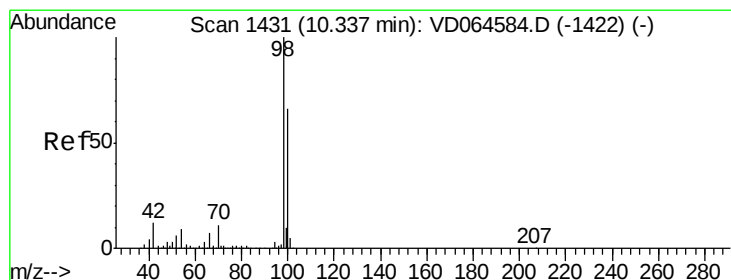
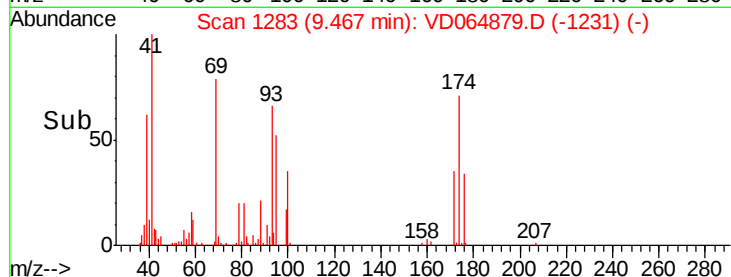
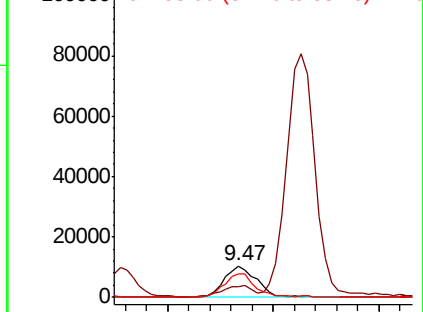
#49
1,4-Dioxane
Concen: 914.999 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 21928
Ion Ratio Lower Upper
88 100
43 32.9 27.7 41.5
58 73.0 53.8 80.6

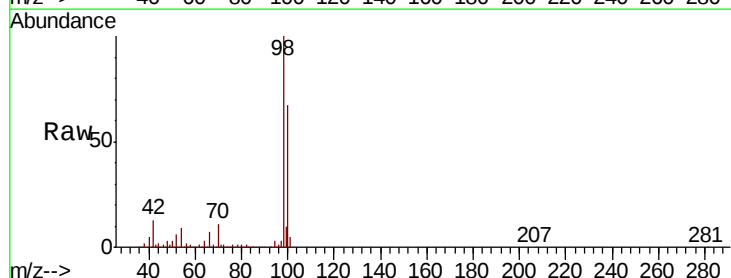


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

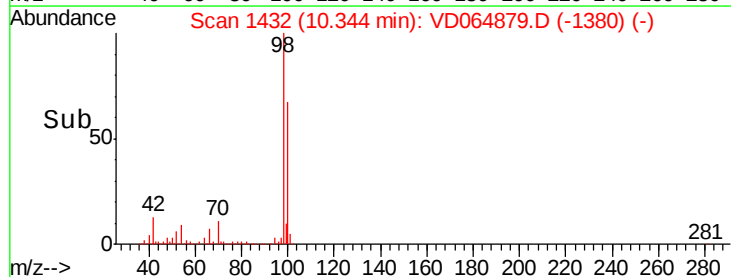
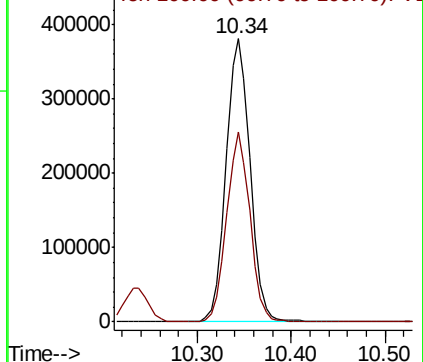


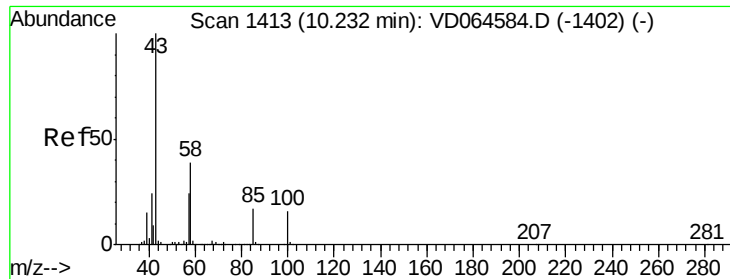
#50
Toluene-d8
Concen: 48.326 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 98 Resp: 674733
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



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

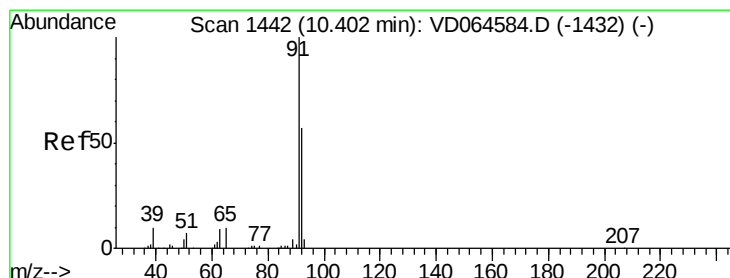
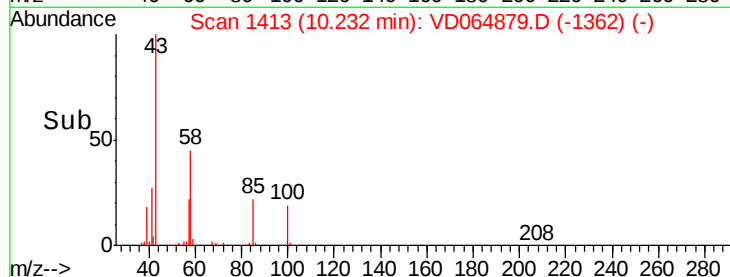
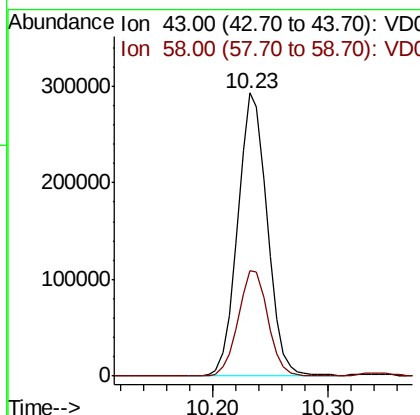
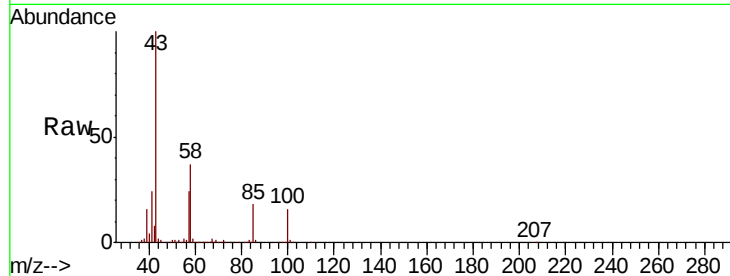




#51
4-Methyl-2-Pentanone
Concen: 234.901 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

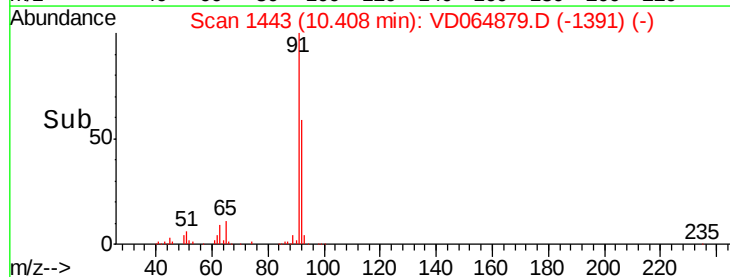
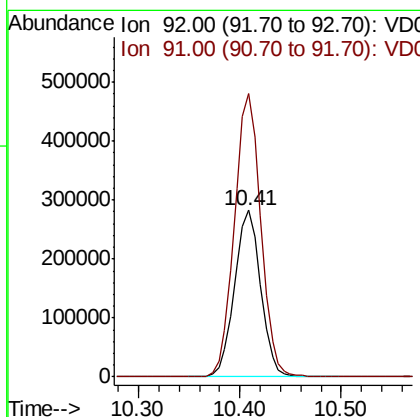
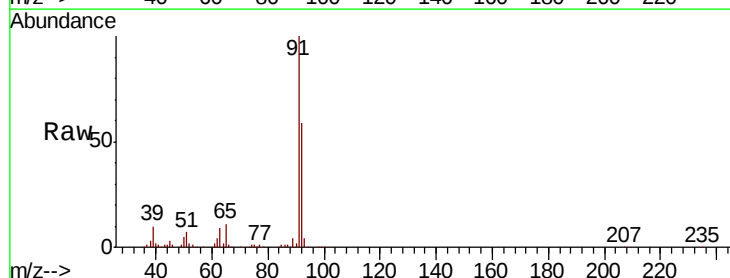
Instrument :
MSVOA_D
ClientSampleId :

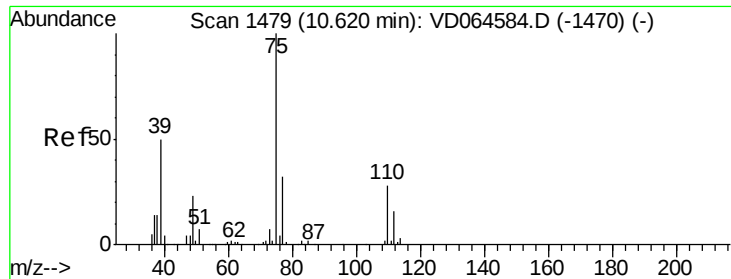
Tot Ion: 43 Resp: 519239
Ion Ratio Lower Upper
43 100
58 37.8 30.2 45.2



#52
Toluene
Concen: 49.311 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 92 Resp: 505102
Ion Ratio Lower Upper
92 100
91 172.2 138.7 208.1

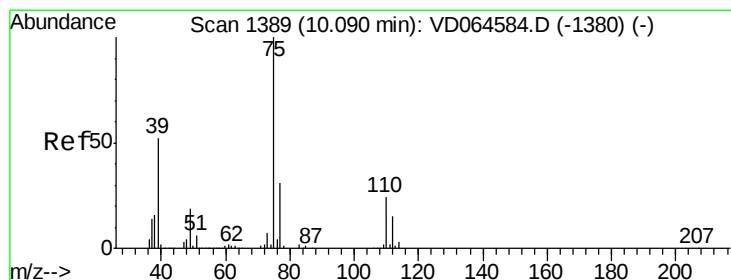
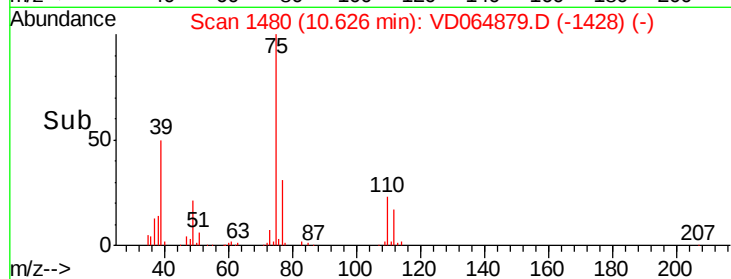
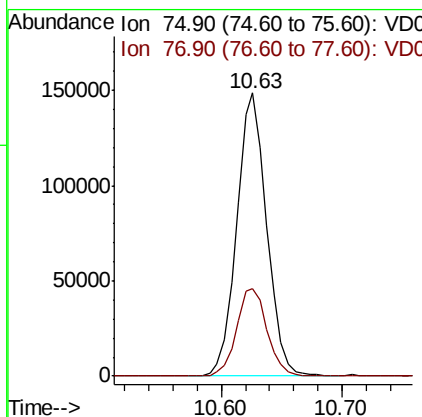
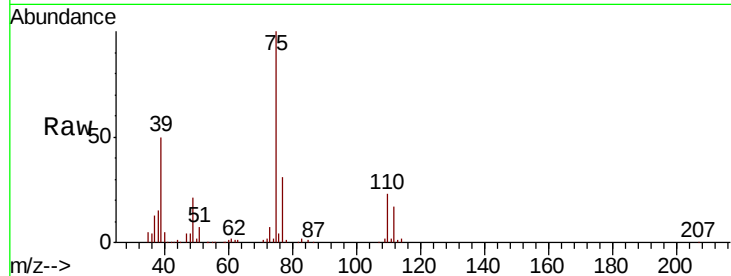




#53
t-1,3-Dichloropropene
Concen: 49.628 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

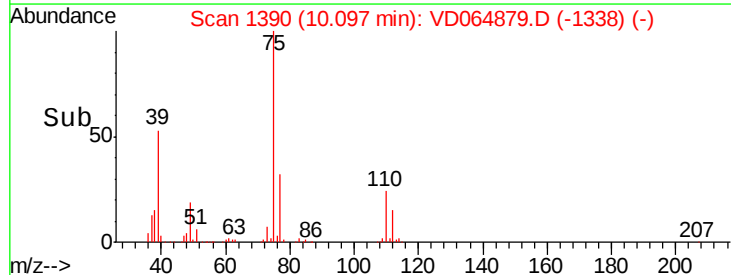
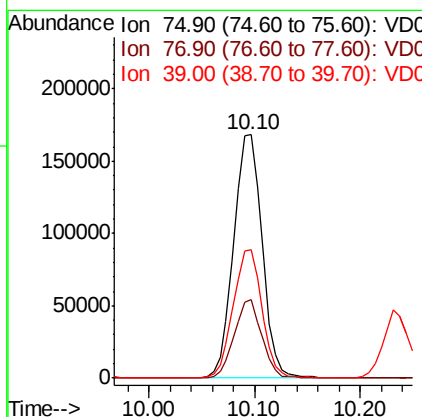
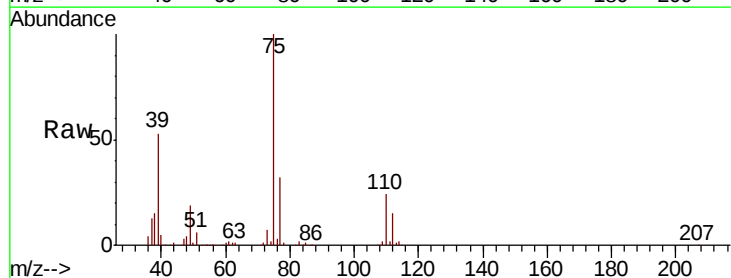
Instrument :
MSVOA_D
ClientSampleId :

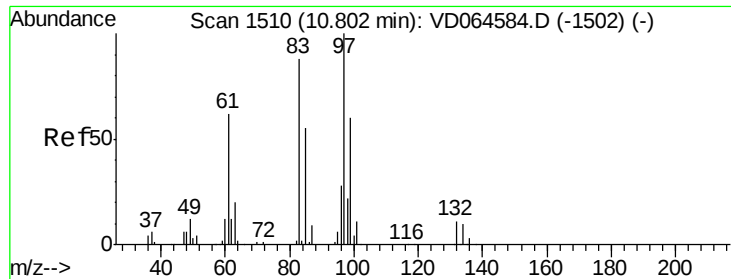
Tot Ion: 75 Resp: 255891
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 51.618 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 75 Resp: 313827
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 52.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 49.574 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 138855

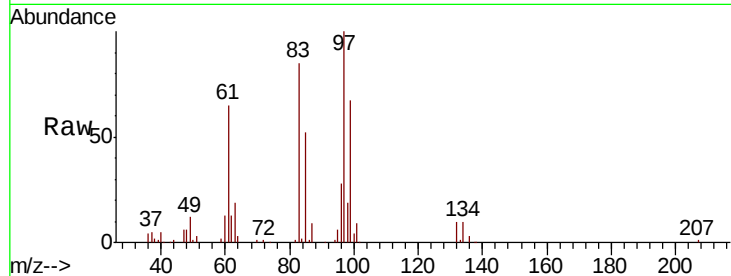
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.2	105.4
85	52.1	44.0	66.0
99	67.0	47.8	71.6

97 100

83 84.7 70.2 105.4

85 52.1 44.0 66.0

99 67.0 47.8 71.6



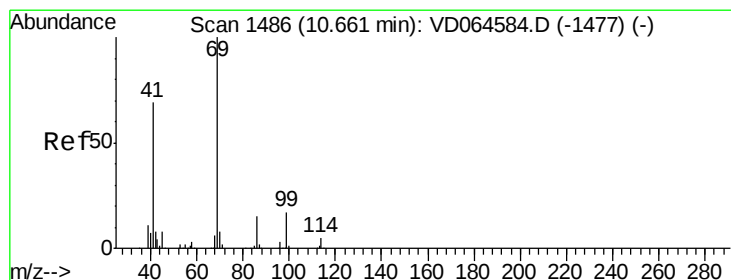
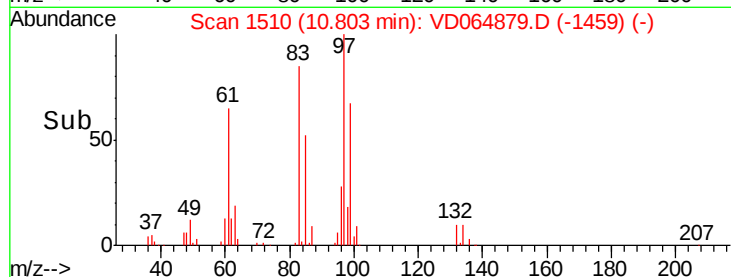
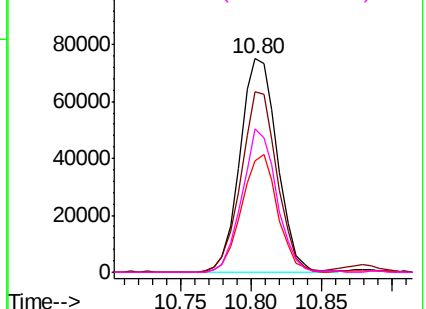
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.565 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

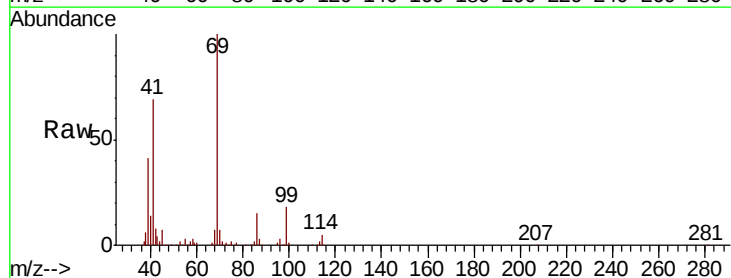
Tgt Ion: 69 Resp: 166384

Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.3	82.9
39	37.8	33.8	50.8

69 100

41 69.9 55.3 82.9

39 37.8 33.8 50.8

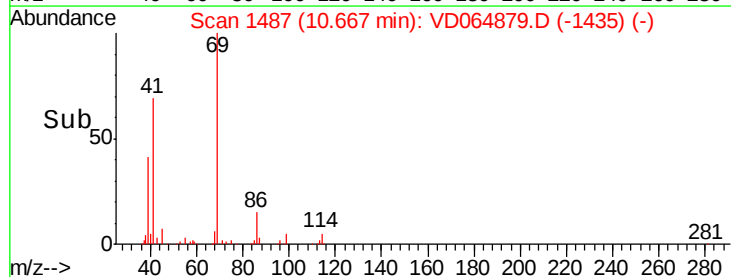
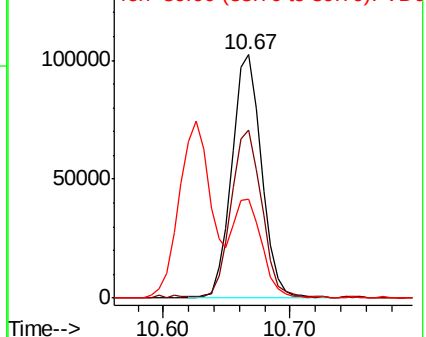


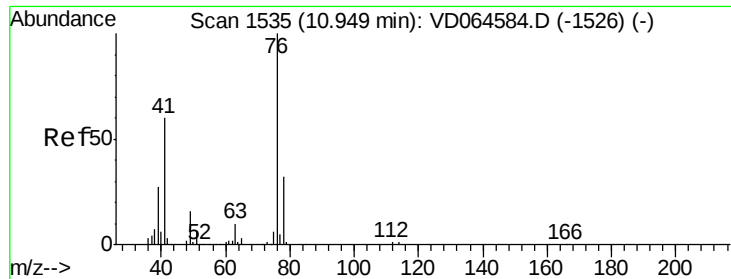
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.912 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

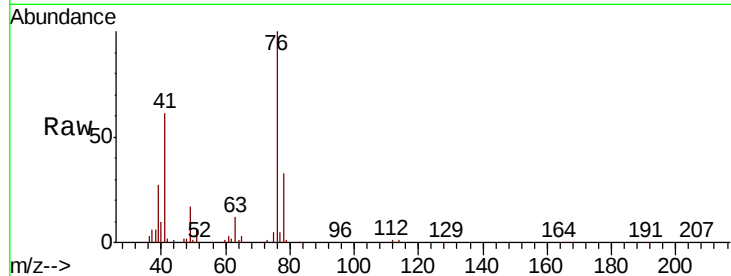
ClientSampled :

Tot Ion: 76 Resp: 235887

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

100000

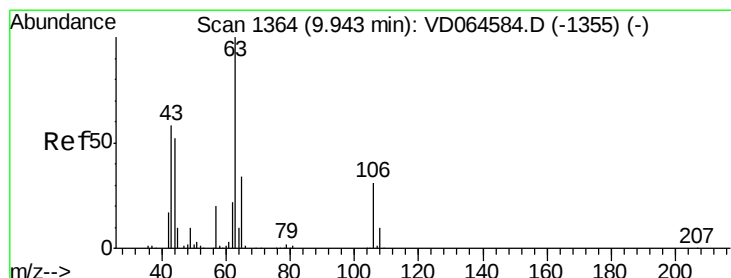
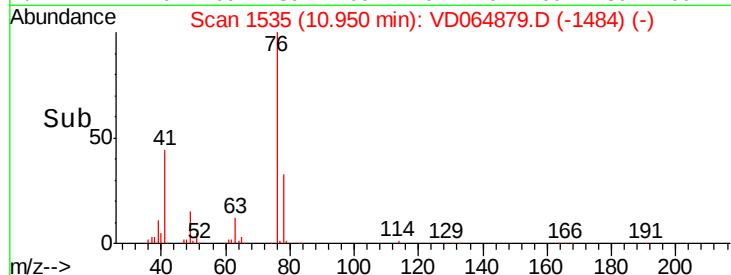
50000

0

Time-->

10.90

11.00



#58

2-Chloroethyl Vinyl ether

Concen: 225.490 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064879.D

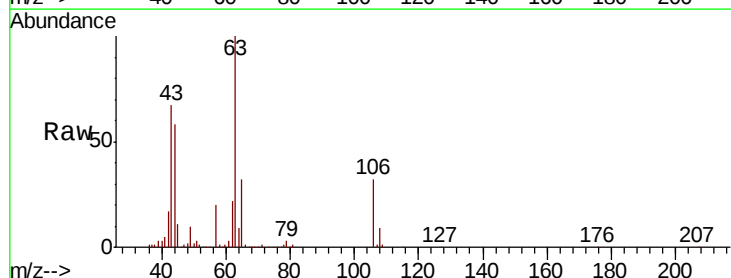
Acq: 20 Jan 2020 09:13

Tgt Ion: 63 Resp: 300516

Ion Ratio Lower Upper

63 100

106 30.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

150000

100000

50000

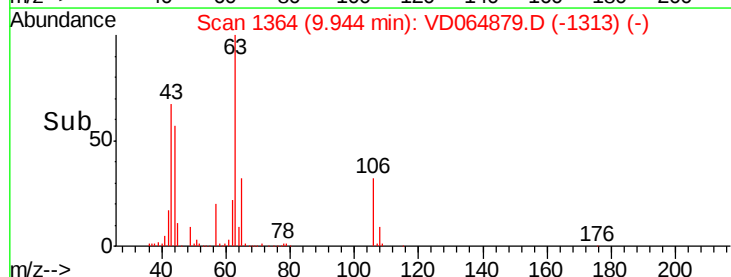
0

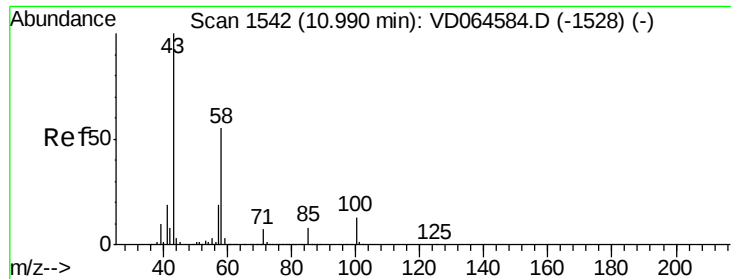
Time-->

9.90

10.00

10.10

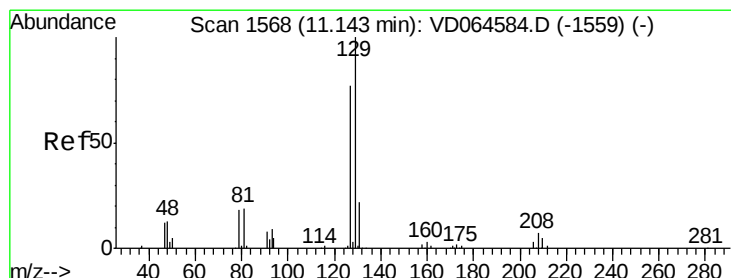
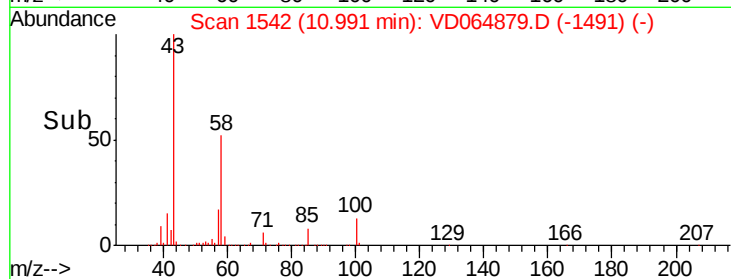
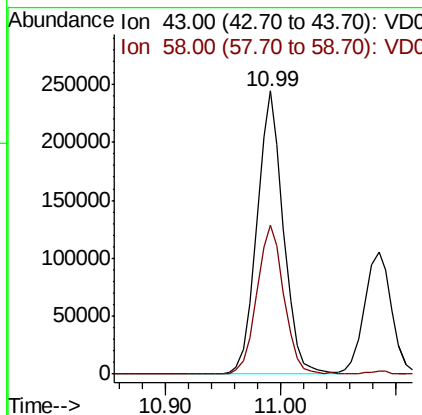
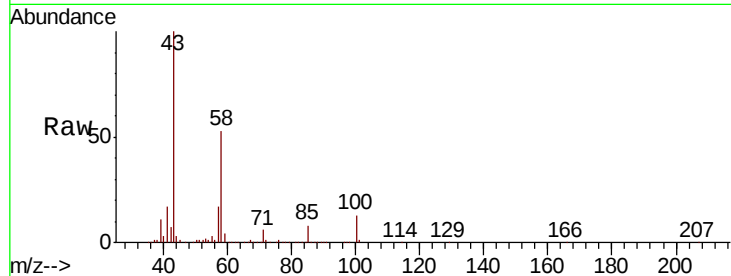




#59
2-Hexanone
Concen: 258.657 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

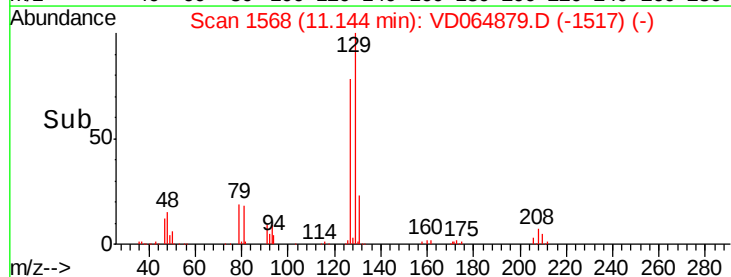
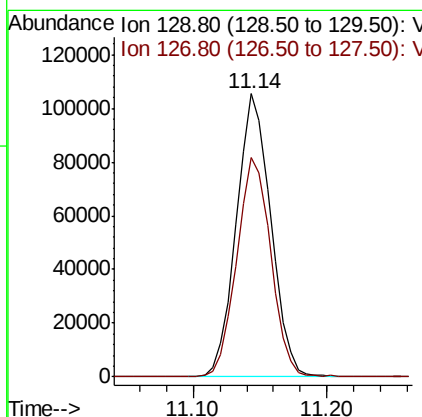
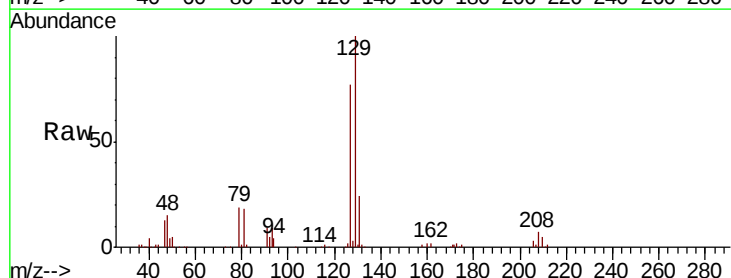
Instrument :
MSVOA_D
ClientSampleID :

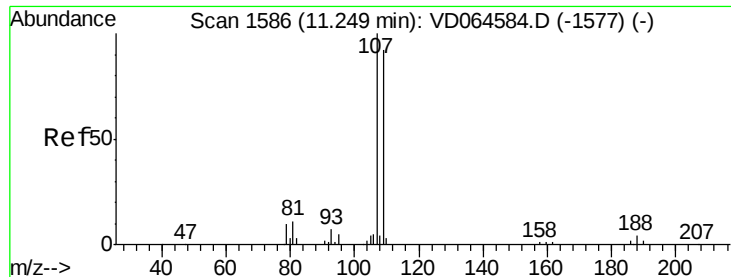
Tot Ion: 43 Resp: 388059
Ion Ratio Lower Upper
43 100
58 54.1 26.4 79.0



#60
Dibromochloromethane
Concen: 48.709 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 129 Resp: 188668
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.2

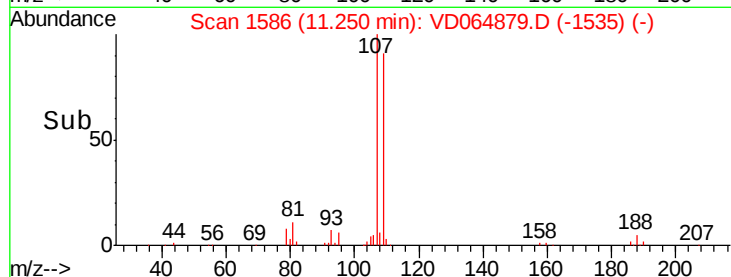
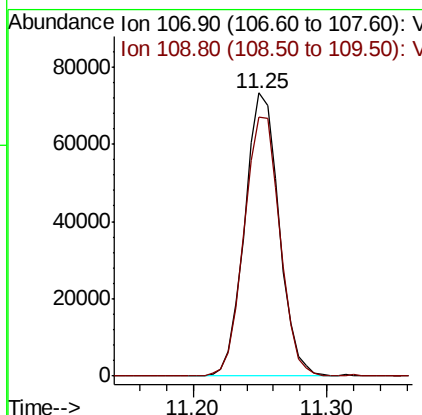
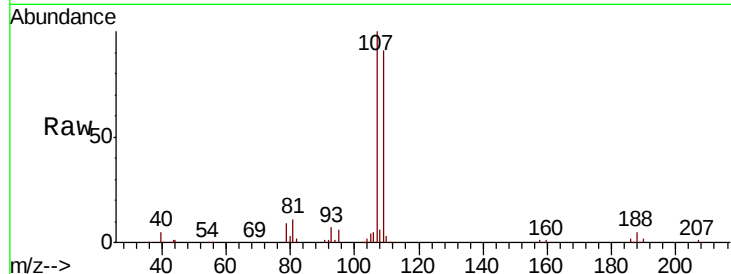




#61
1,2-Dibromoethane
Concen: 46.931 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

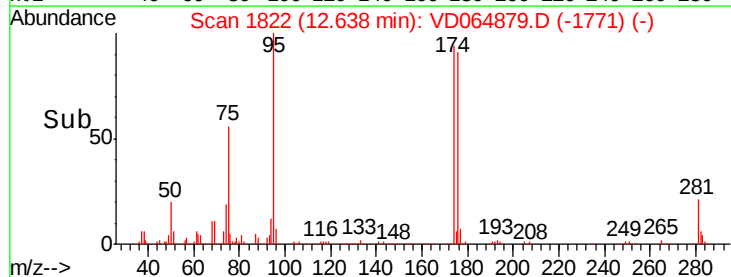
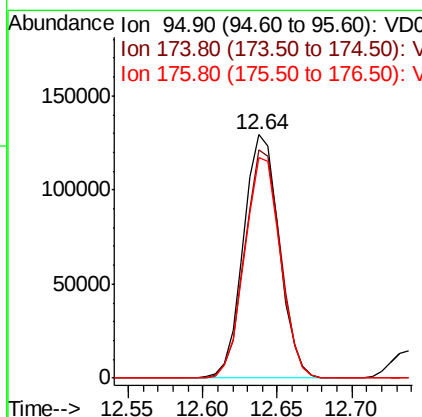
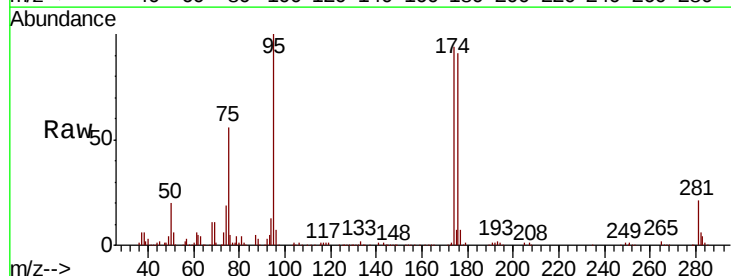
Instrument :
MSVOA_D
ClientSampleId :

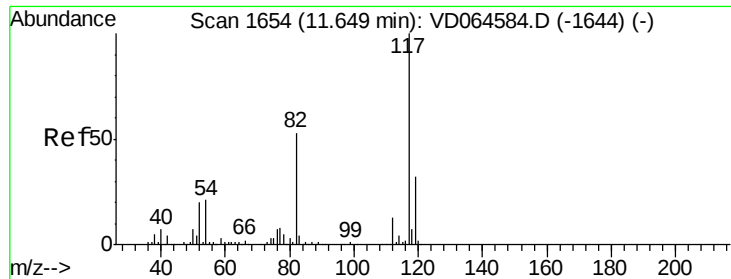
Tot Ion:107 Resp: 129653
Ion Ratio Lower Upper
107 100
109 95.3 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.484 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 95 Resp: 214055
Ion Ratio Lower Upper
95 100
174 93.8 0.0 193.2
176 90.8 0.0 184.2

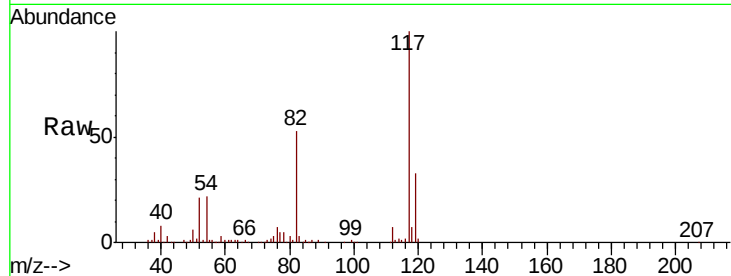




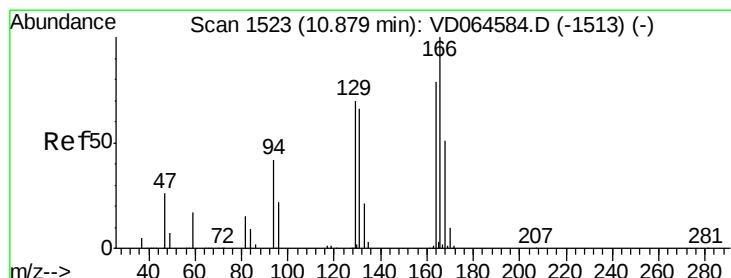
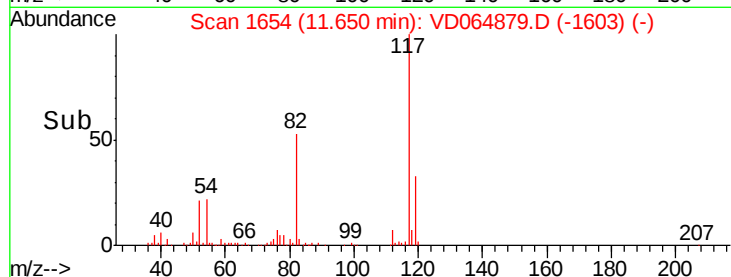
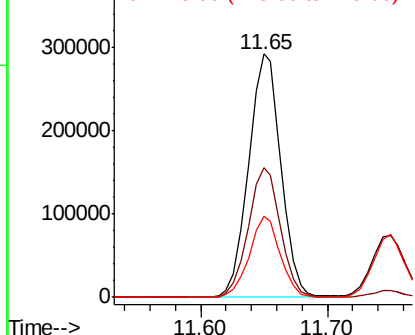
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 518043
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 33.1 26.0 39.0

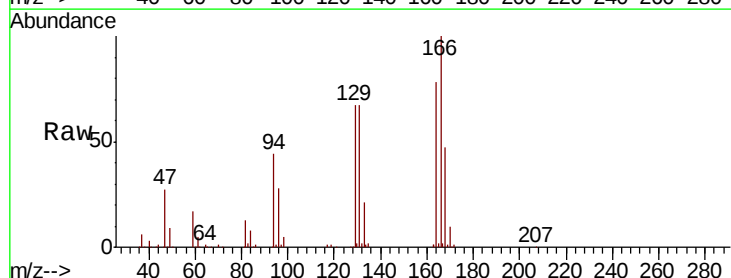


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

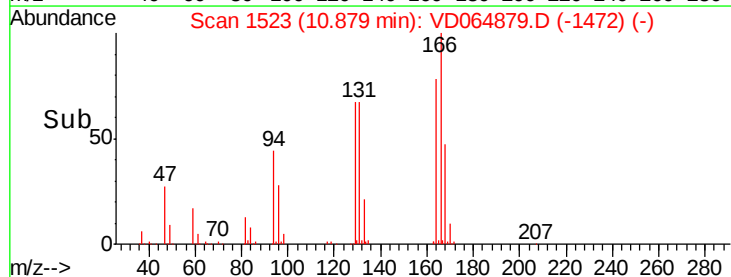
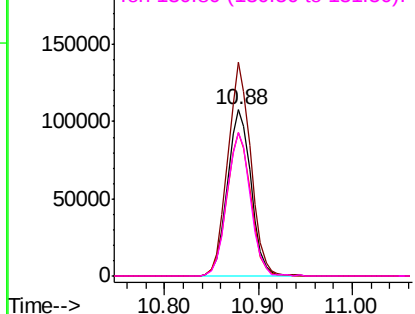


#64
Tetrachloroethene
Concen: 47.306 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion:164 Resp: 188012
Ion Ratio Lower Upper
164 100
166 128.5 101.3 151.9
129 86.3 70.5 105.7
131 86.0 66.6 99.8



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

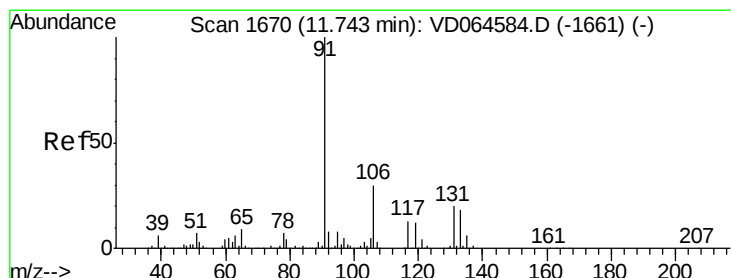
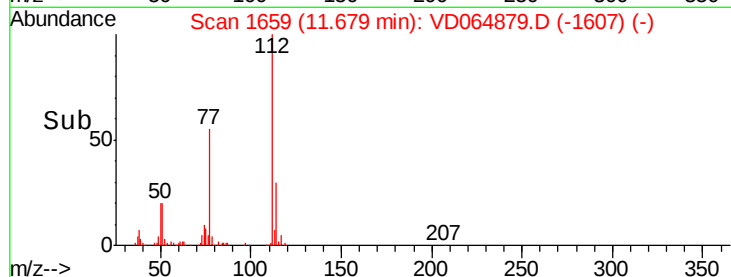
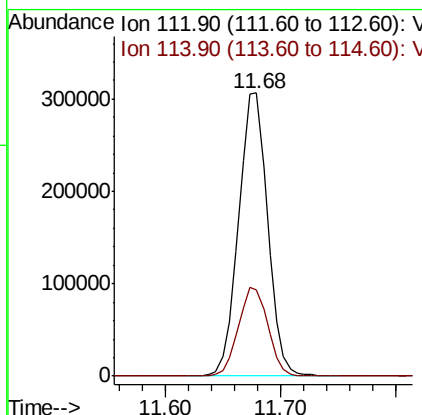
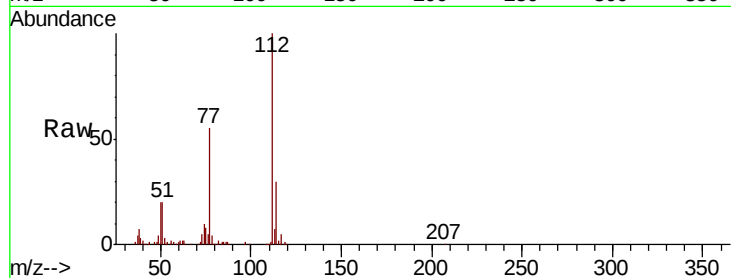




#65
Chlorobenzene
Concen: 49.896 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

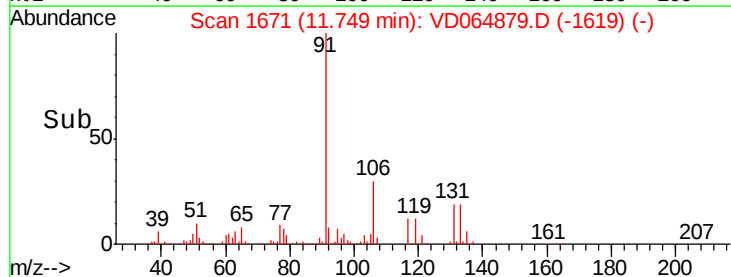
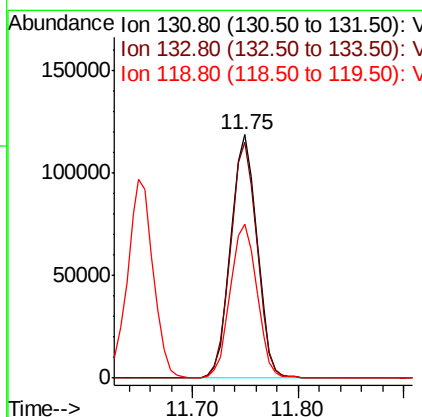
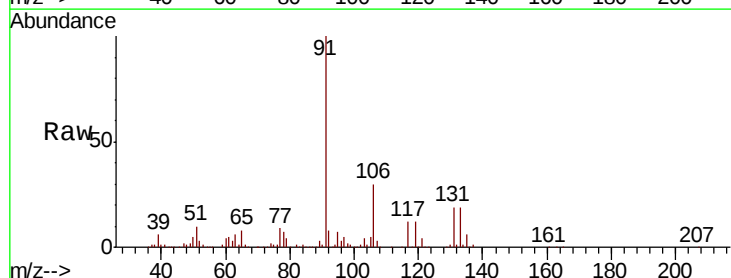
Instrument :
MSVOA_D
ClientSampleId :

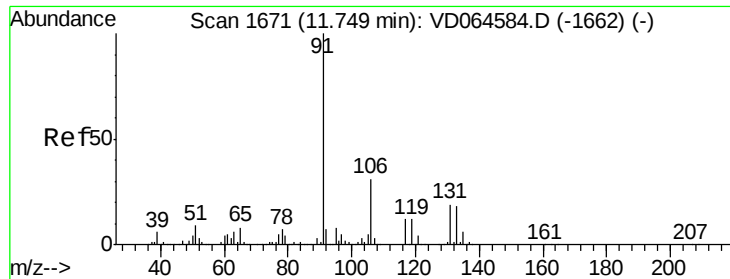
Tot Ion:112 Resp: 536475
Ion Ratio Lower Upper
112 100
114 30.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.425 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion:131 Resp: 204389
Ion Ratio Lower Upper
131 100
133 97.7 48.3 144.8
119 64.5 32.1 96.3

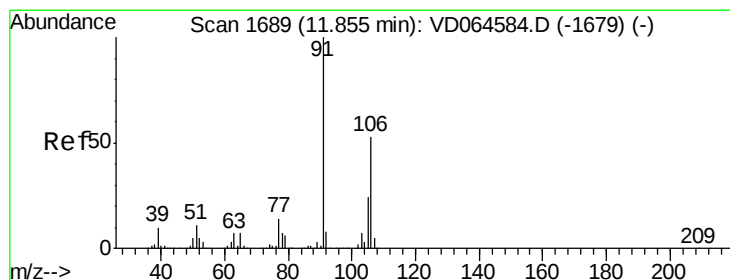
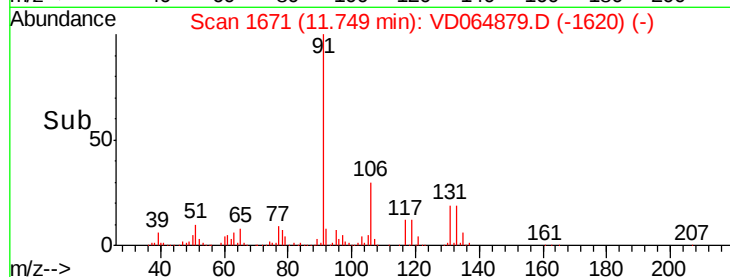
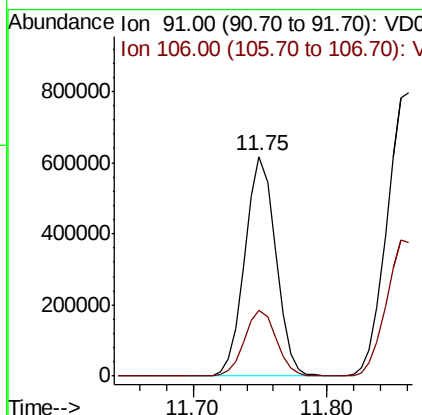
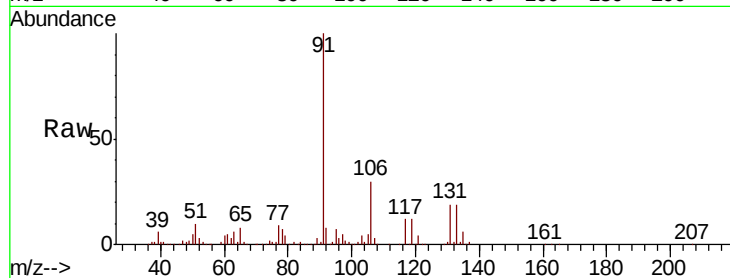




#67
Ethyl Benzene
Concen: 50.586 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

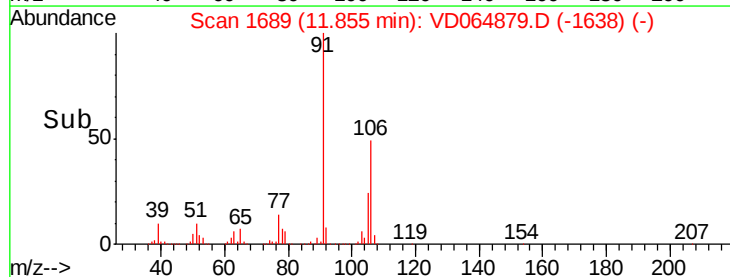
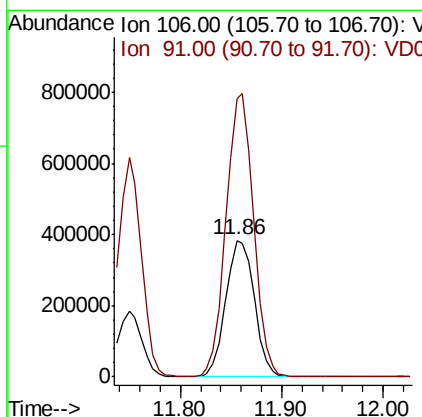
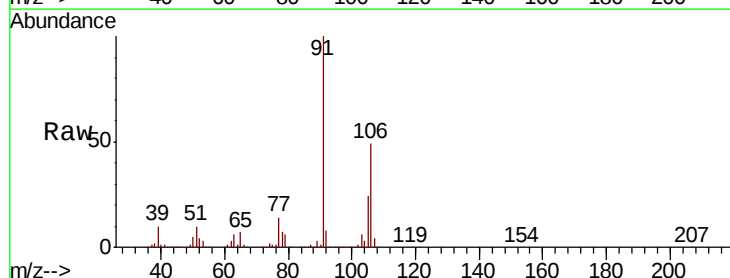
Instrument :
MSVOA_D
ClientSampled :

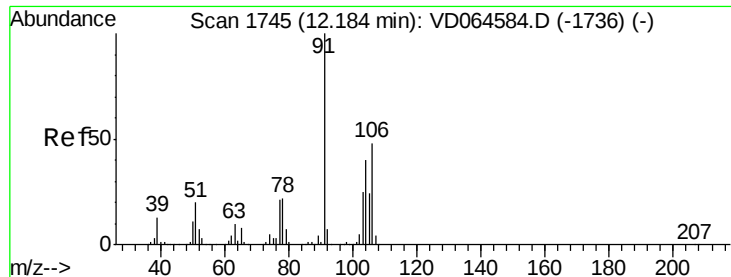
Tot Ion: 91 Resp: 987197
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 99.296 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 106 Resp: 747948
Ion Ratio Lower Upper
106 100
91 200.7 156.3 234.5

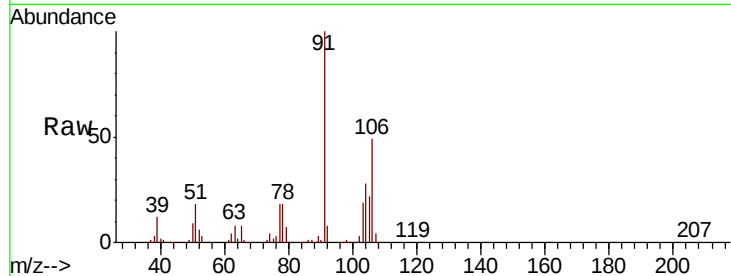




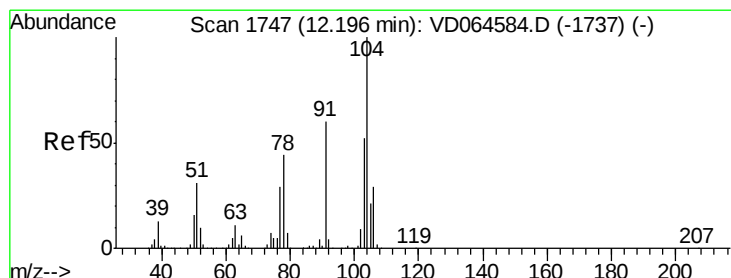
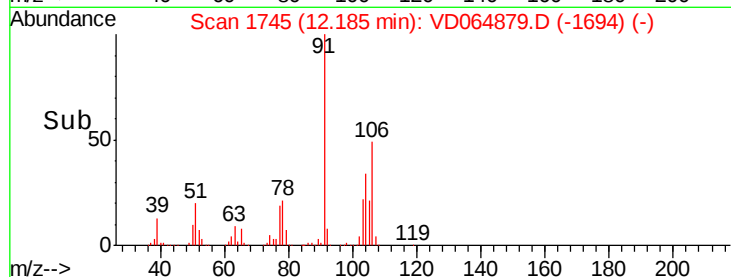
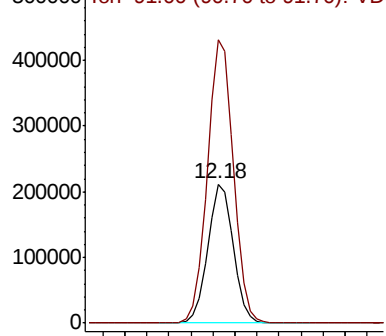
#69
o-Xylene
Concen: 50.576 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 344107
Ion Ratio Lower Upper
106 100
91 207.5 104.8 314.4

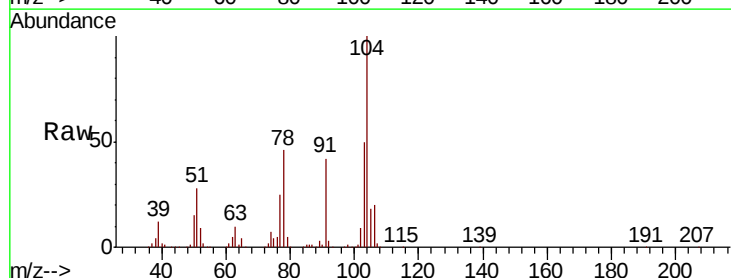


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

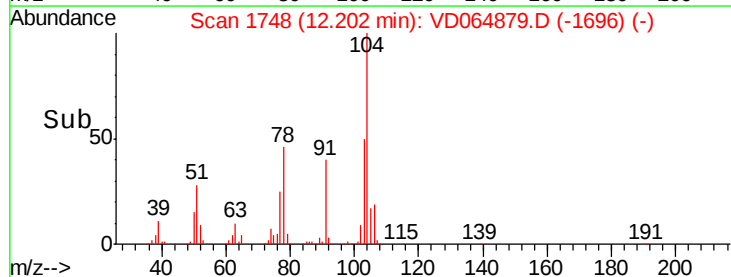
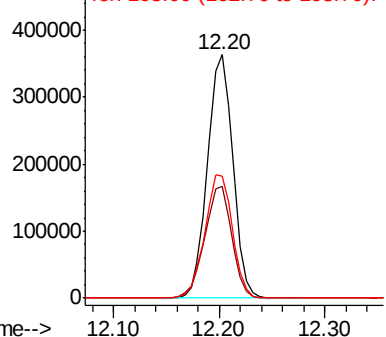


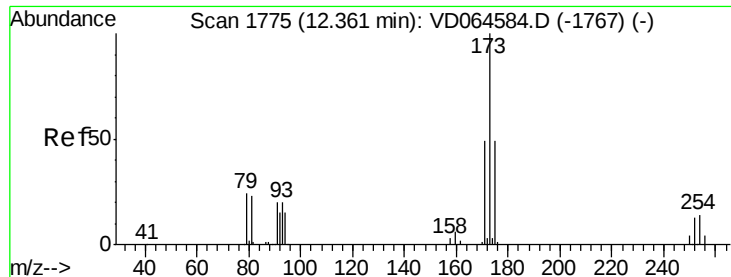
#70
Styrene
Concen: 50.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion:104 Resp: 604487
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 54.9 44.6 67.0



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





#71

Bromoform

Concen: 46.962 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

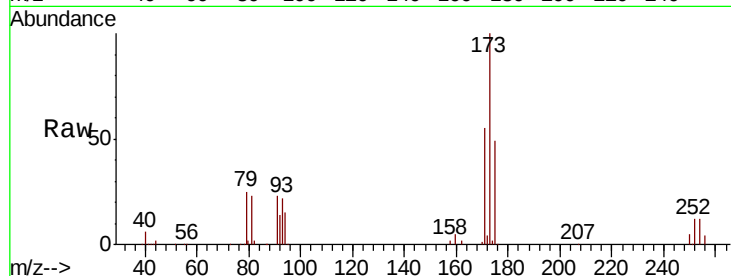
Tot Ion:173 Resp: 108553

Ion Ratio Lower Upper

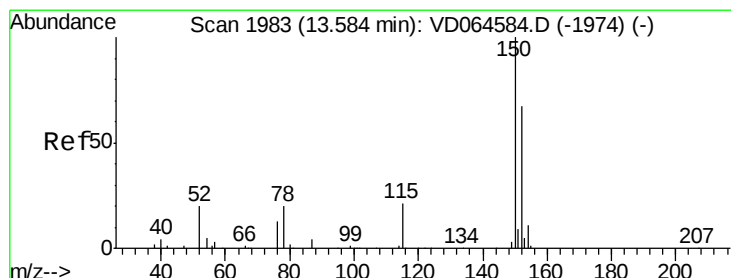
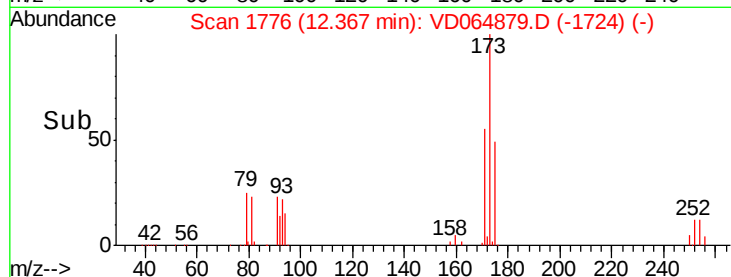
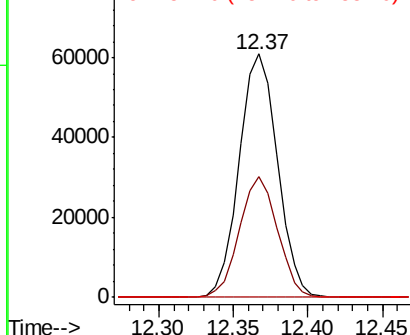
173 100

175 49.0 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

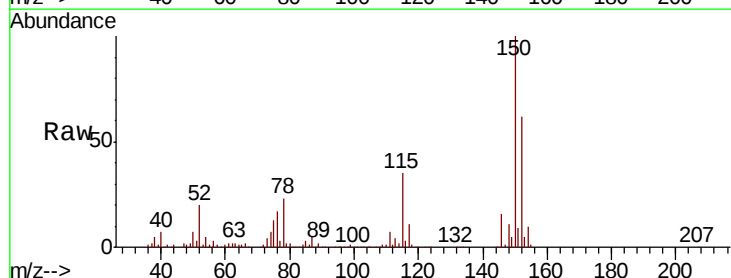
Tgt Ion:152 Resp: 256857

Ion Ratio Lower Upper

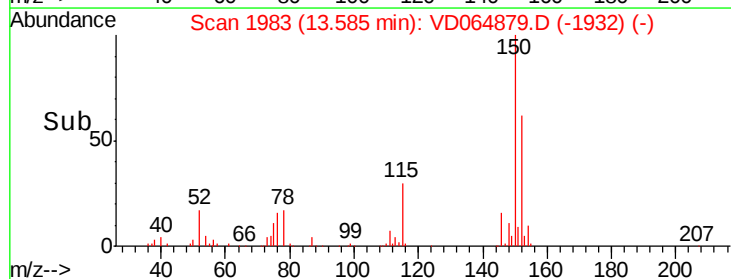
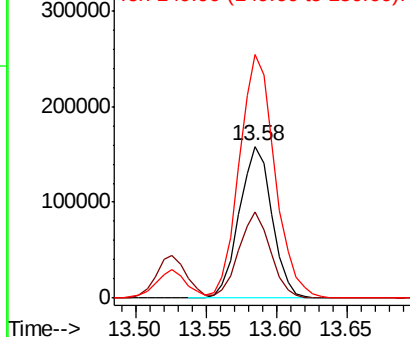
152 100

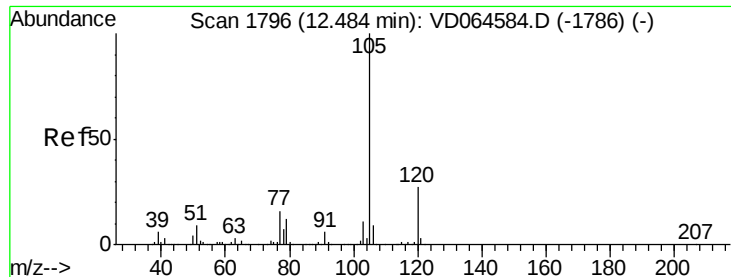
115 54.8 27.8 83.4

150 174.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

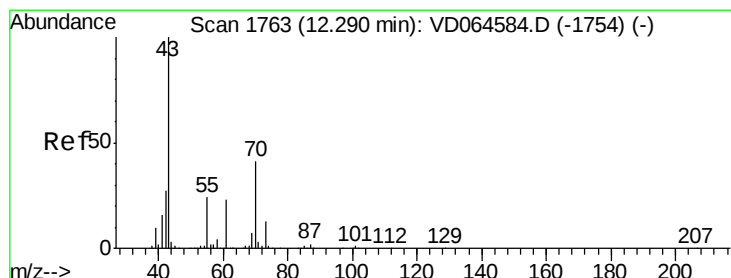
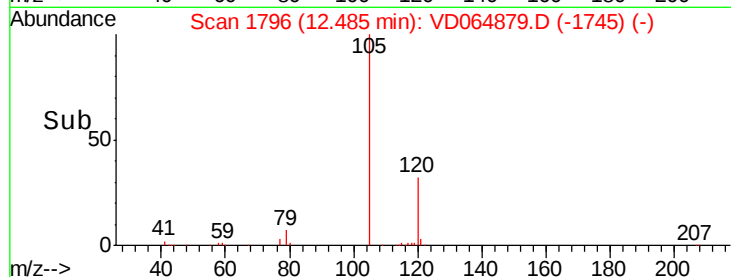
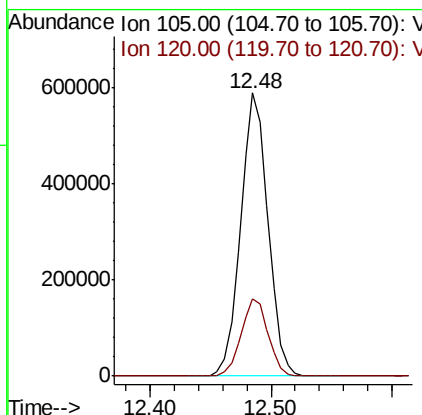
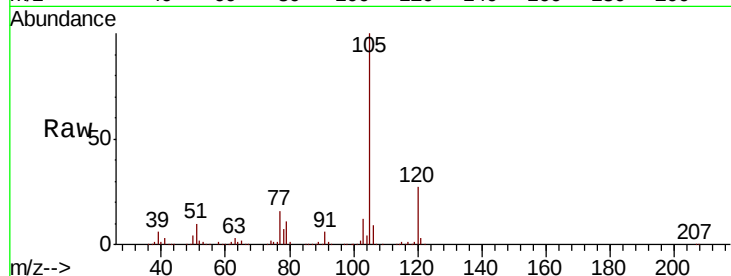




#73
Isopropylbenzene
Concen: 50.575 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

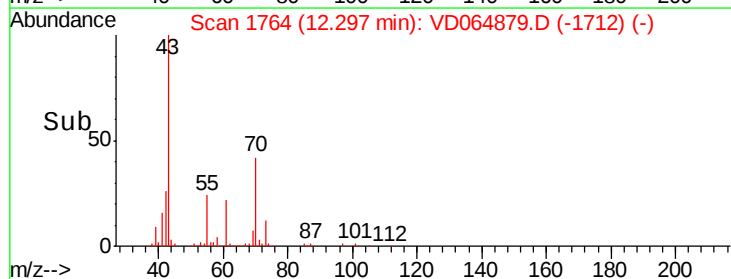
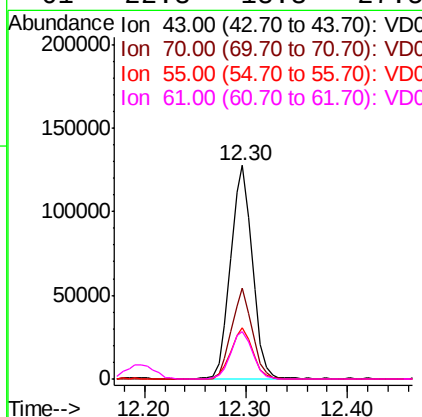
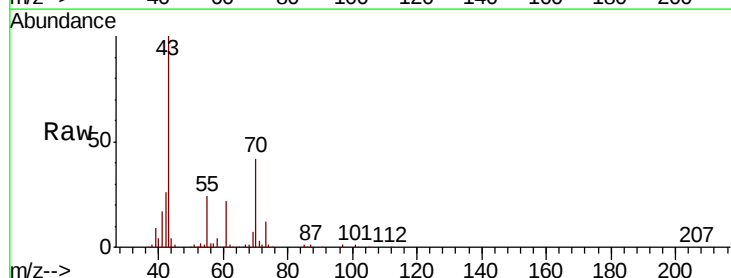
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:105 Resp: 928336
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5



#74
N-ethyl acetate
Concen: 48.713 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 43 Resp: 191138
Ion Ratio Lower Upper
43 100
70 40.5 33.4 50.0
55 24.1 19.4 29.0
61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.339 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

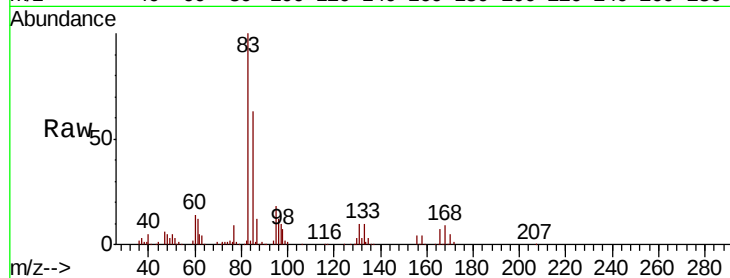
Tot Ion: 83 Resp: 139386

Ion Ratio Lower Upper

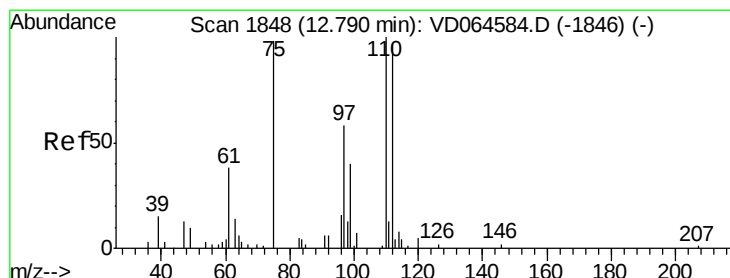
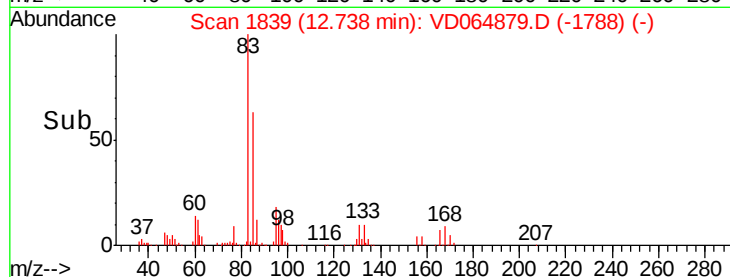
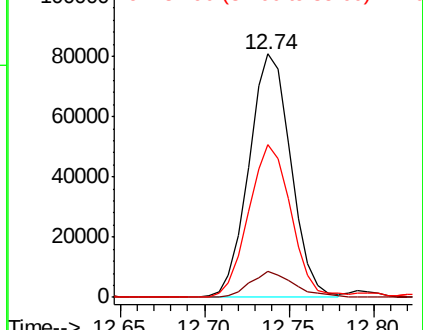
83 100

131 11.2 5.8 17.4

85 63.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.556 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064879.D

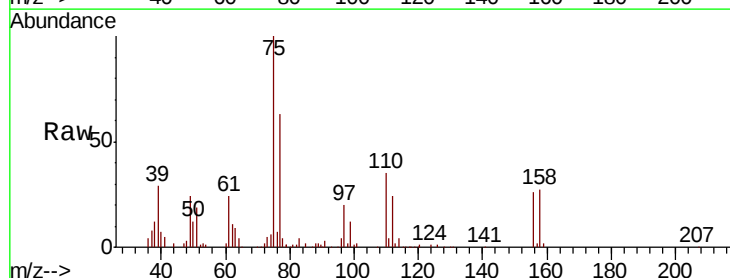
Acq: 20 Jan 2020 09:13

Tgt Ion: 75 Resp: 187732

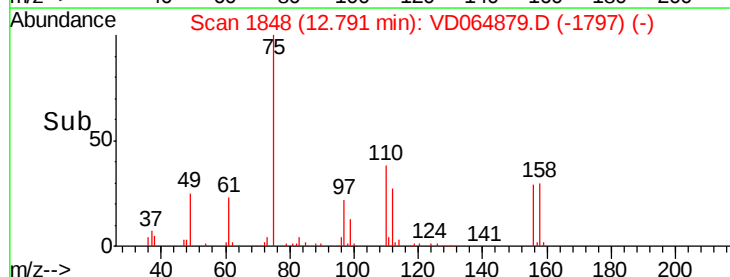
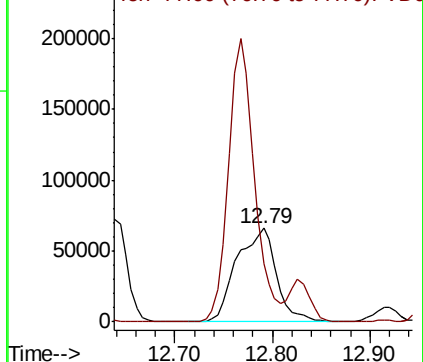
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.201 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampled :

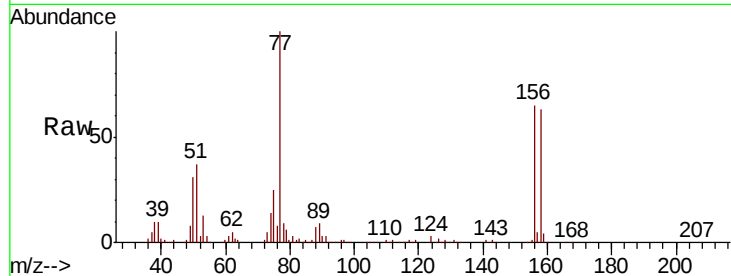
Tot Ion:156 Resp: 221907

Ion Ratio Lower Upper

156 100

77 166.5 80.9 242.7

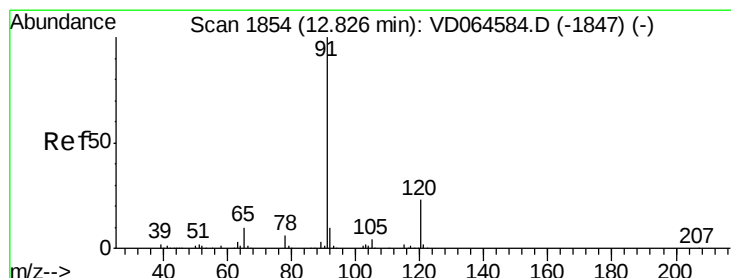
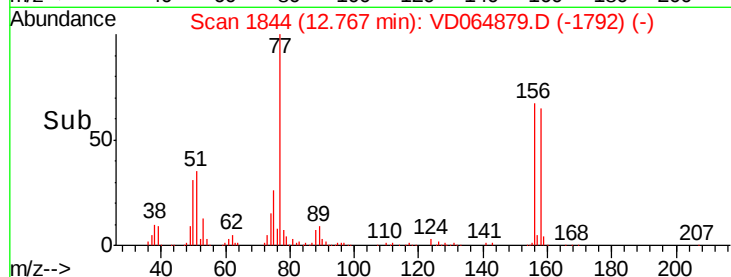
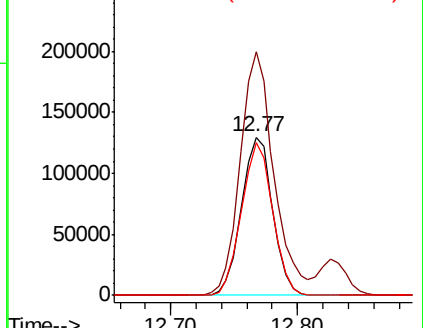
158 96.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.052 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064879.D

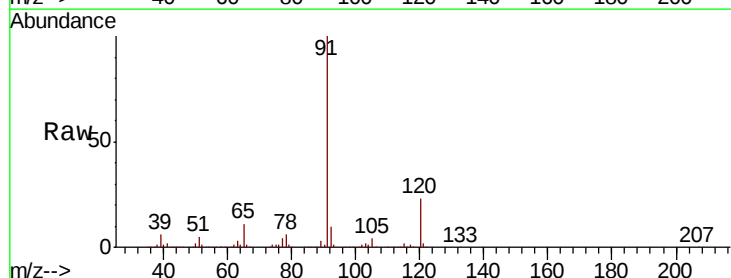
Acq: 20 Jan 2020 09:13

Tgt Ion: 91 Resp: 1093240

Ion Ratio Lower Upper

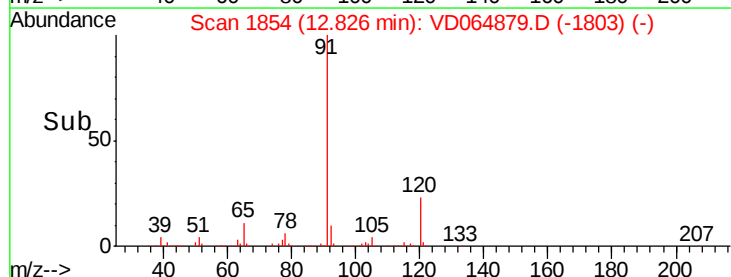
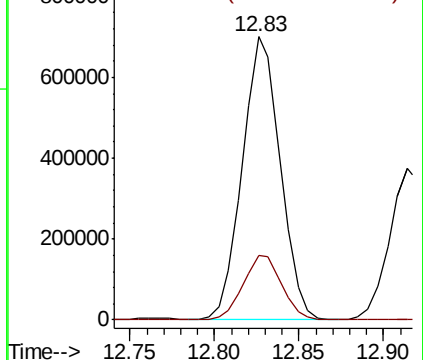
91 100

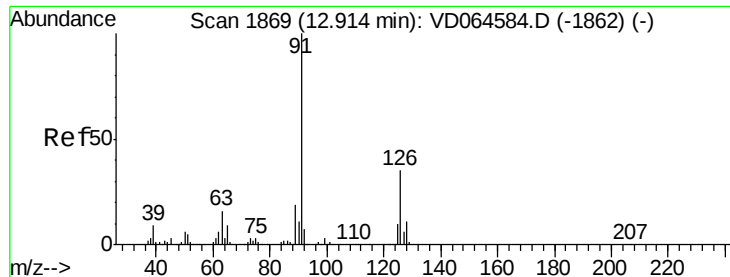
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

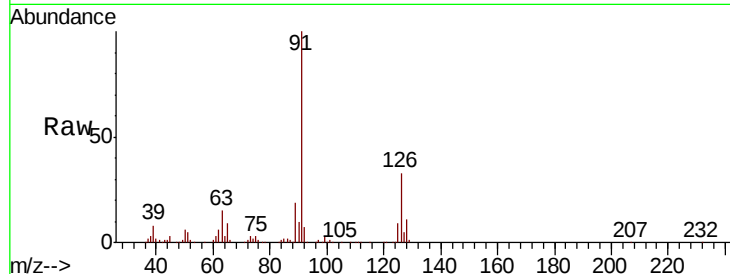




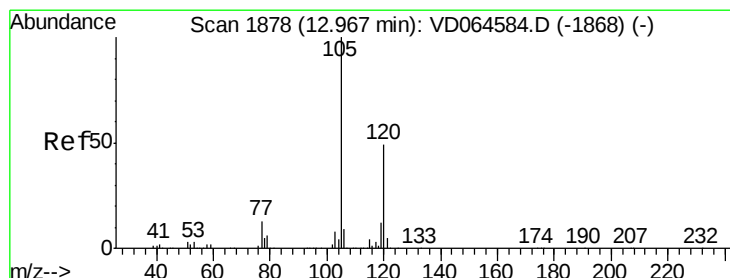
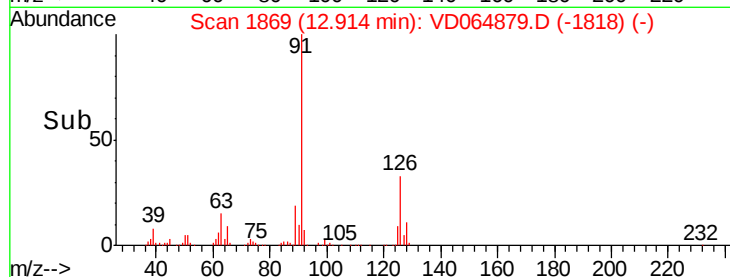
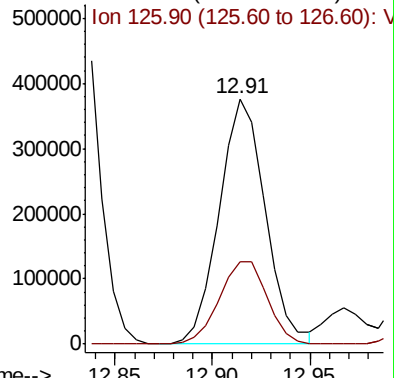
#79
2-Chlorotoluene
Concen: 52.147 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 613440
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.5

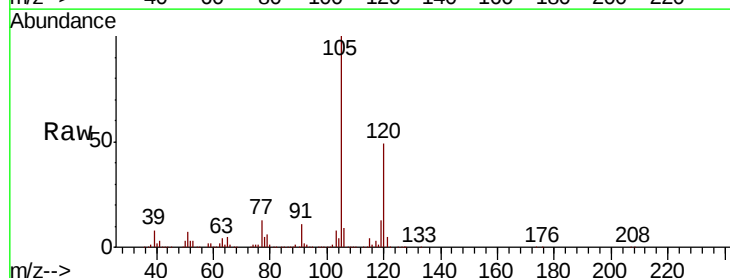


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

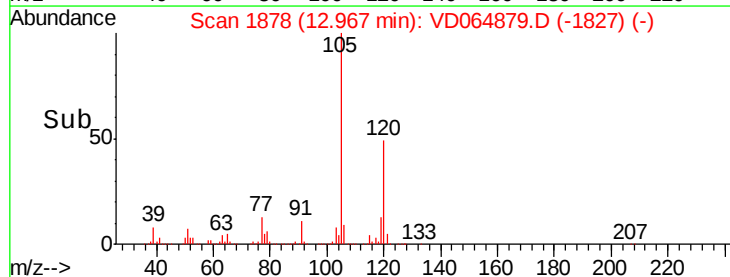
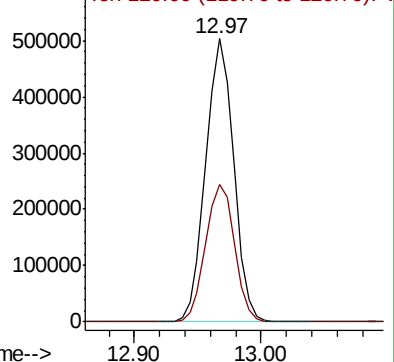


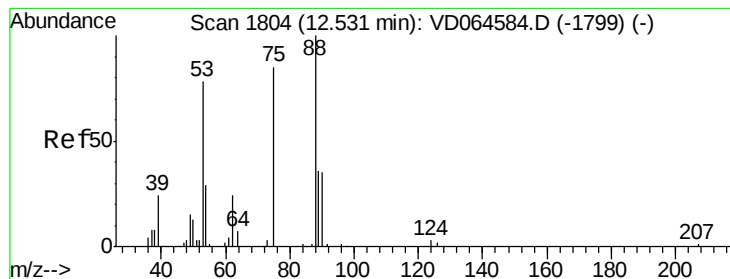
#80
1,3,5-Trimethylbenzene
Concen: 51.023 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 105 Resp: 769345
Ion Ratio Lower Upper
105 100
120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.085 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampled :

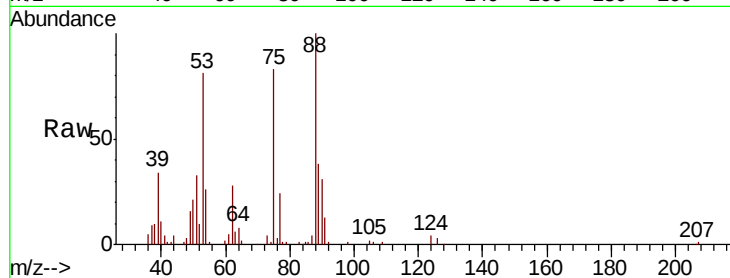
Tot Ion: 75 Resp: 45663

Ion Ratio Lower Upper

75 100

53 103.8 78.8 118.2

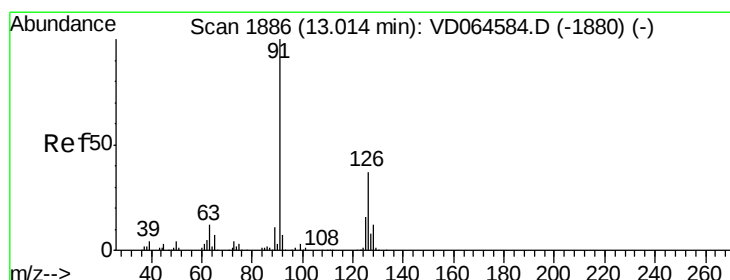
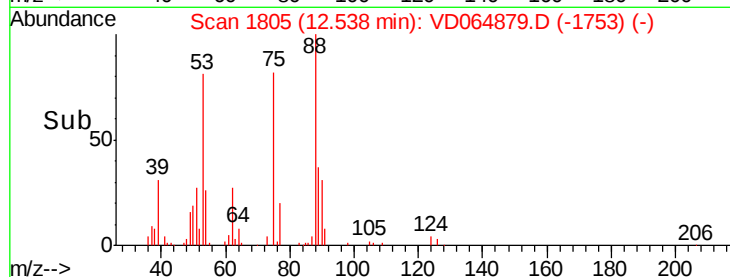
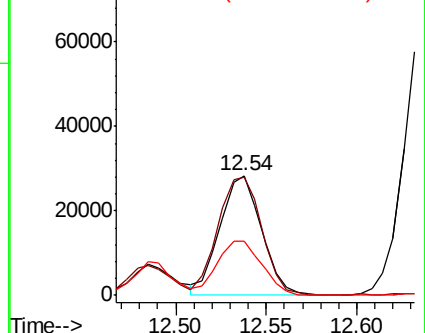
89 48.5 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.133 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064879.D

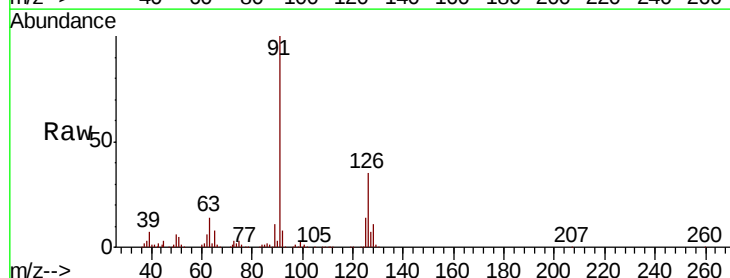
Acq: 20 Jan 2020 09:13

Tgt Ion: 91 Resp: 640125

Ion Ratio Lower Upper

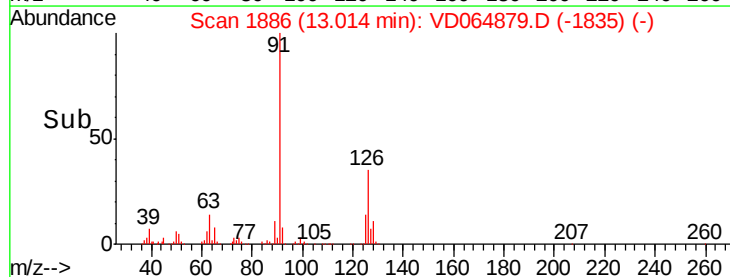
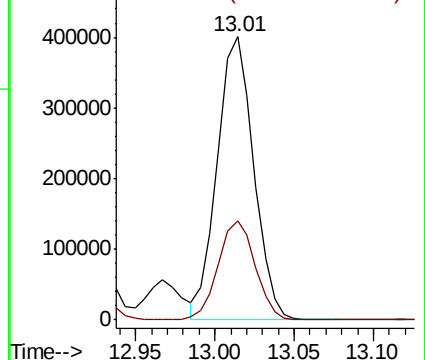
91 100

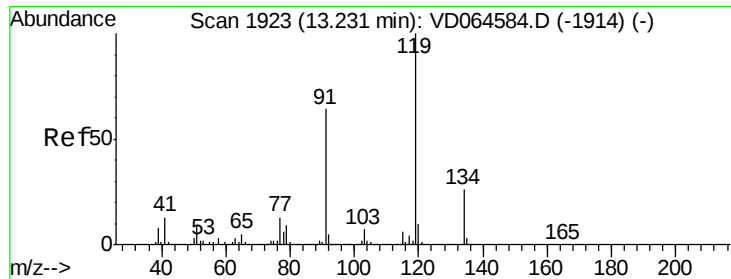
126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

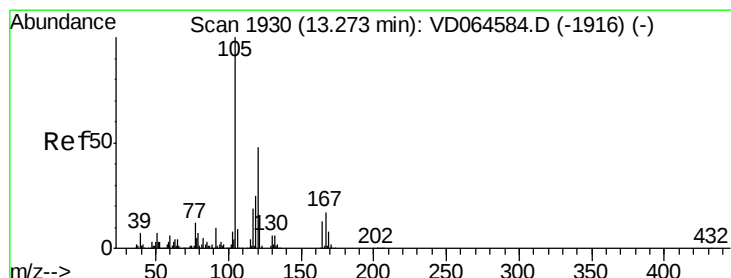
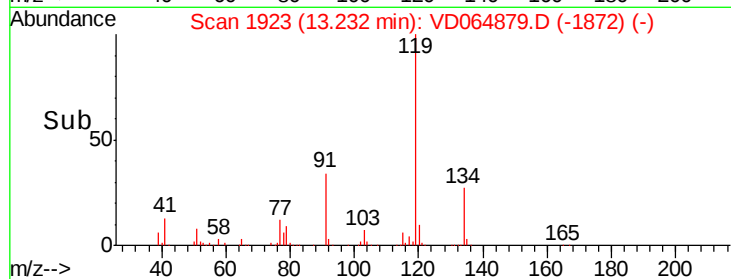
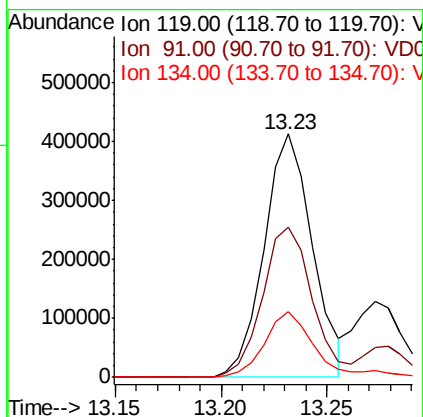
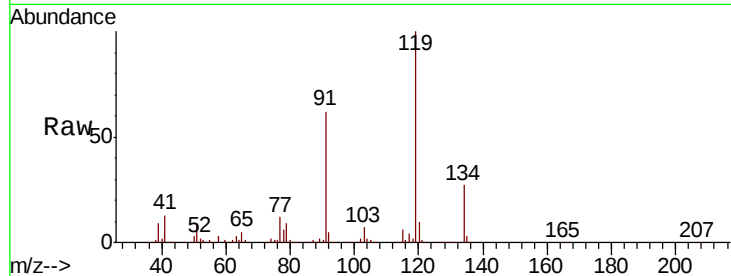




#83
tert-Butylbenzene
Concen: 50.326 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

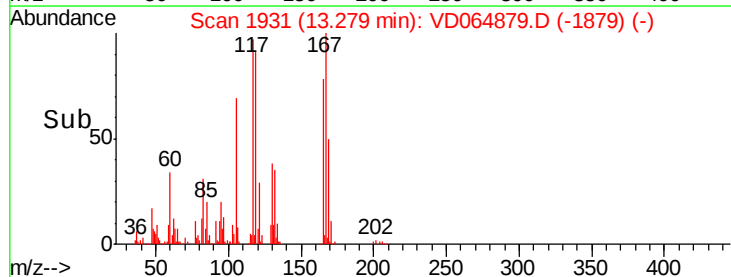
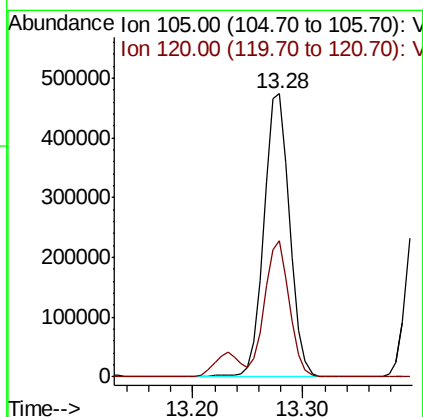
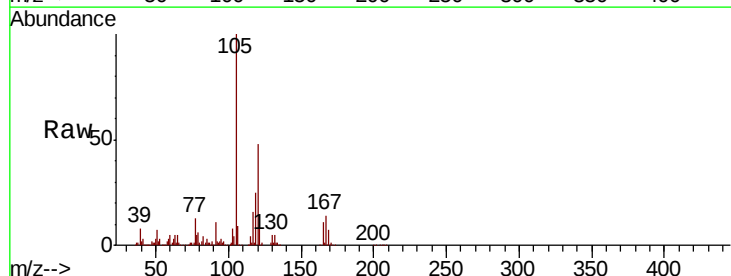
Instrument :
MSVOA_D
ClientSampleId :

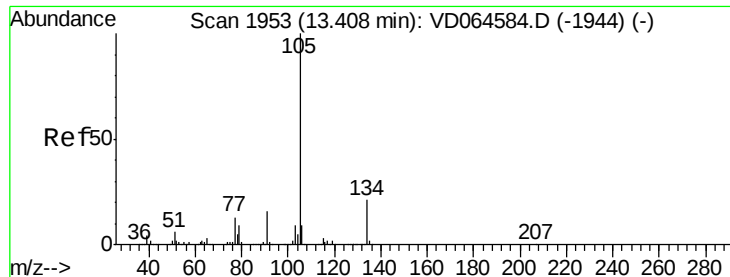
Tot Ion:119 Resp: 658856
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 28.3 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 51.494 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion:105 Resp: 773283
Ion Ratio Lower Upper
105 100
120 46.1 23.8 71.2

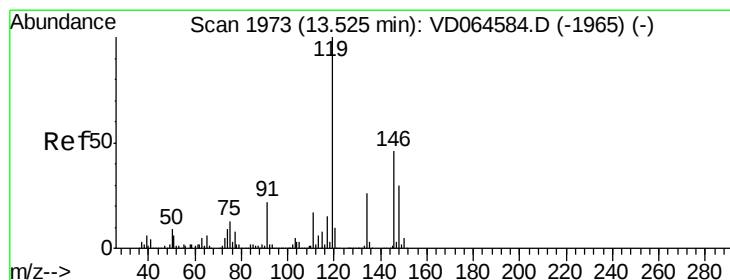
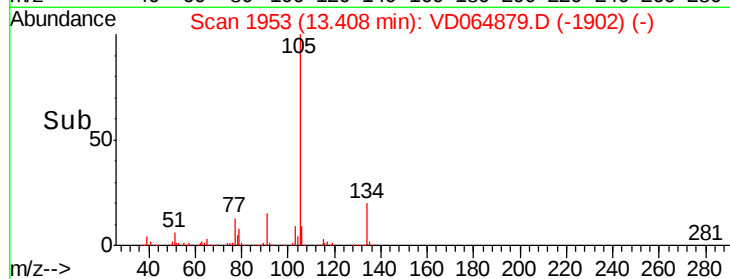
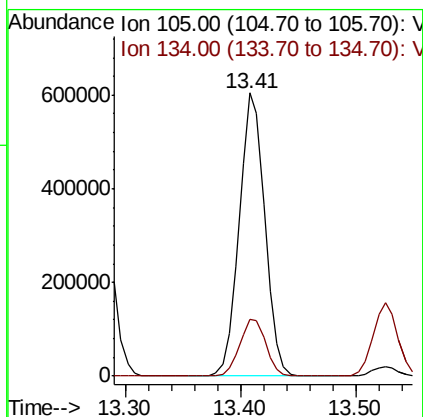
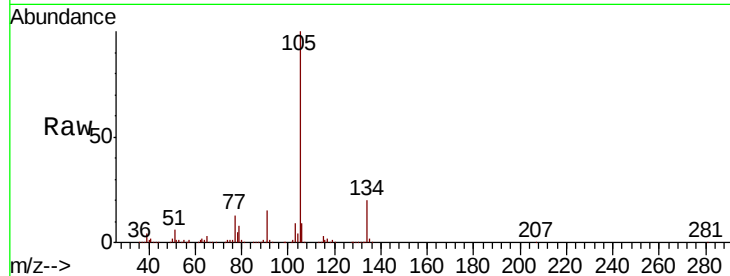




#85
 sec-Butylbenzene
 Concen: 51.510 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

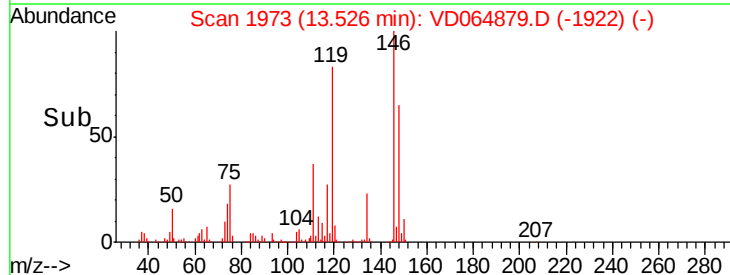
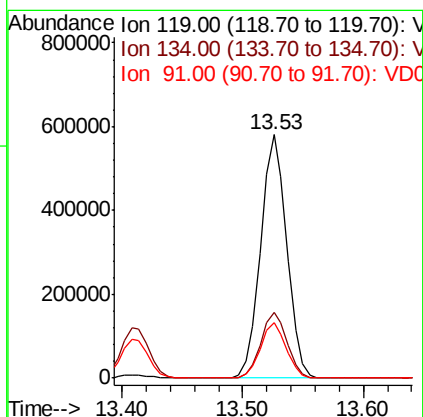
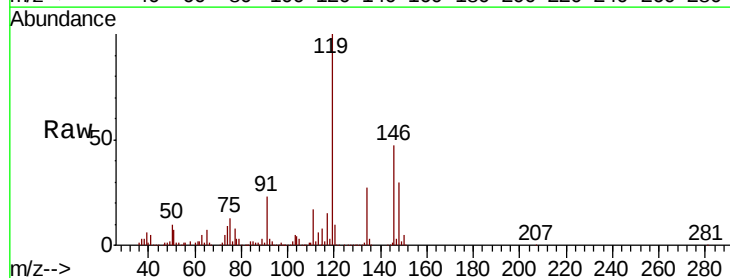
Instrument :
 MSVOA_D
 ClientSampled :

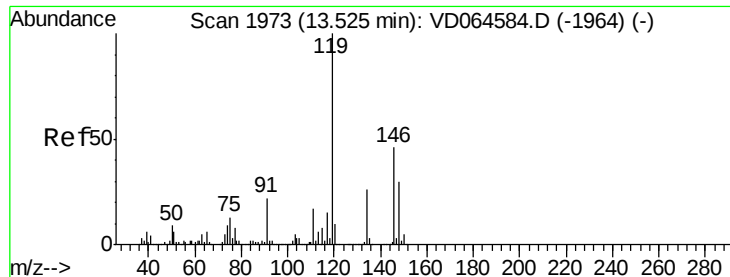
Tot Ion:105 Resp: 924493
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 50.492 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion:119 Resp: 866518
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 22.5 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.300 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

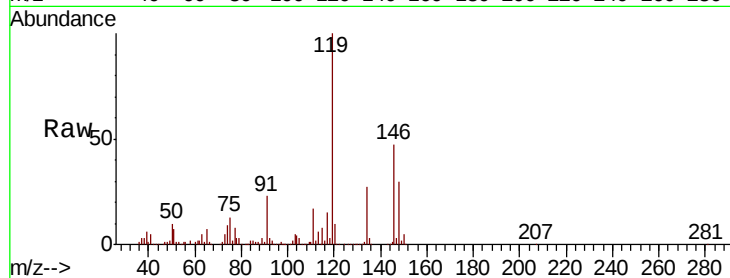
Tot Ion:146 Resp: 432481

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.4

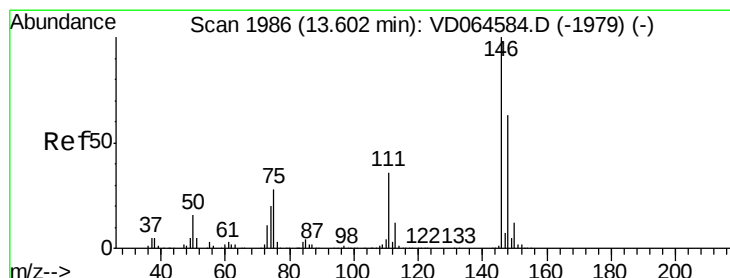
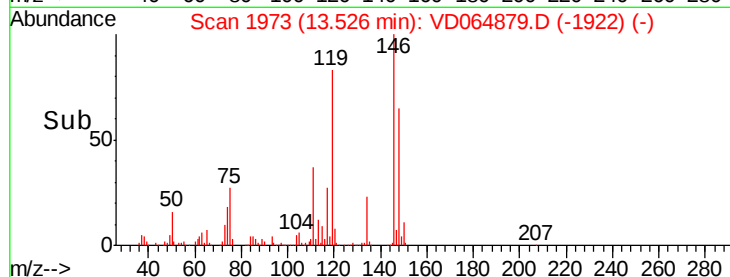
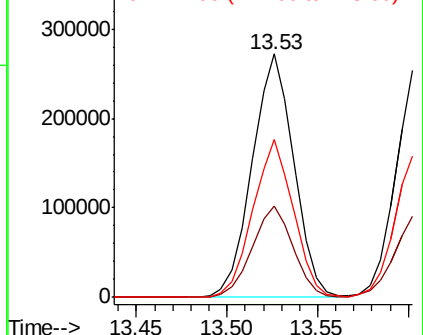
148 63.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.701 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

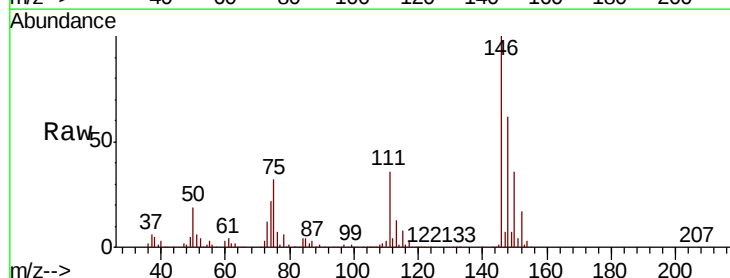
Tgt Ion:146 Resp: 419797

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.1

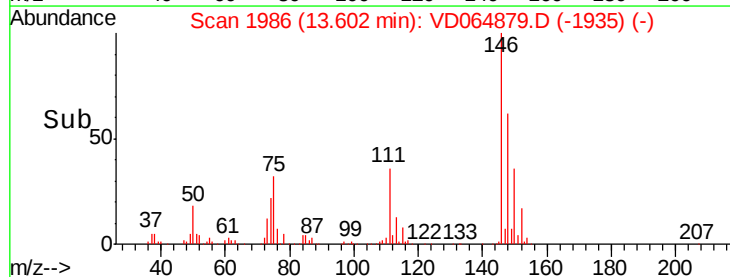
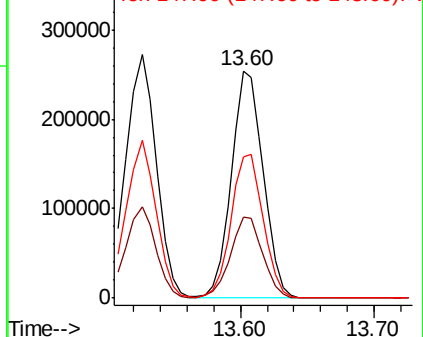
148 64.1 32.3 96.9

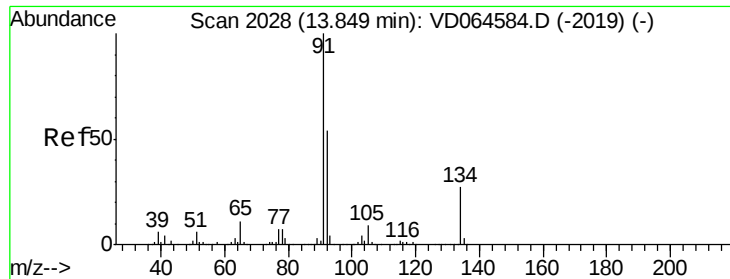


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

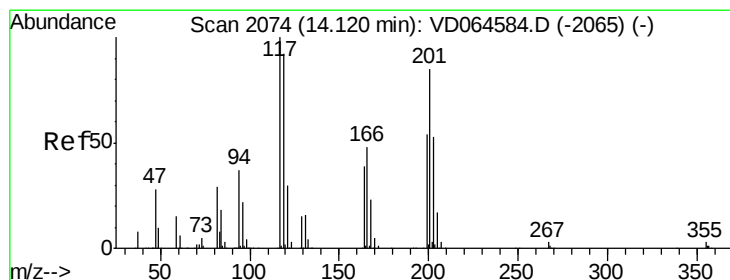
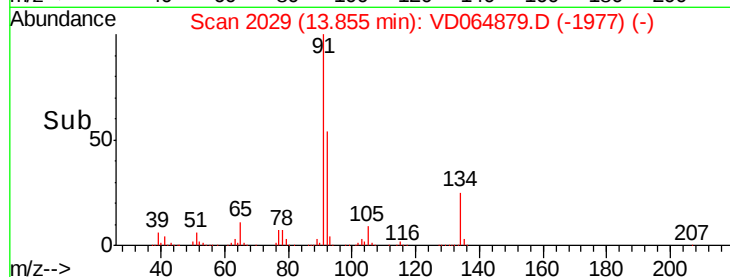
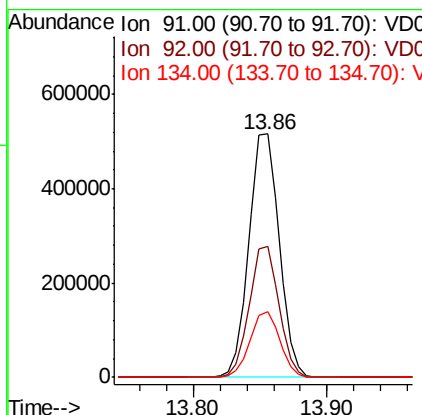
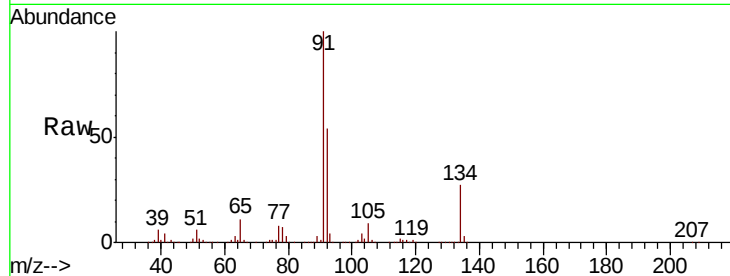




#89
n-Butylbenzene
Concen: 52.234 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

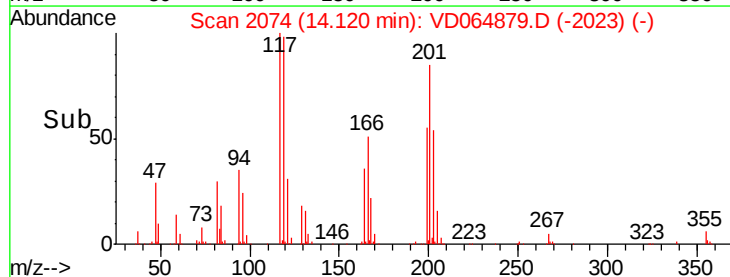
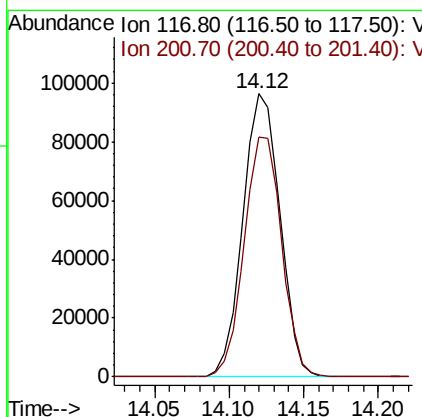
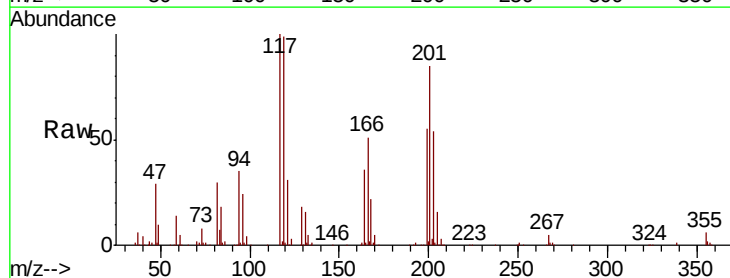
Instrument :
MSVOA_D
ClientSampleId :

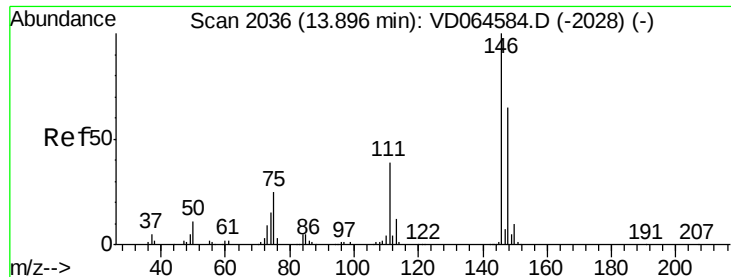
Tot Ion: 91 Resp: 807259
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 26.6 14.0 41.9



#90
Hexachloroethane
Concen: 50.558 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 117 Resp: 165741
Ion Ratio Lower Upper
117 100
201 85.7 44.0 131.8

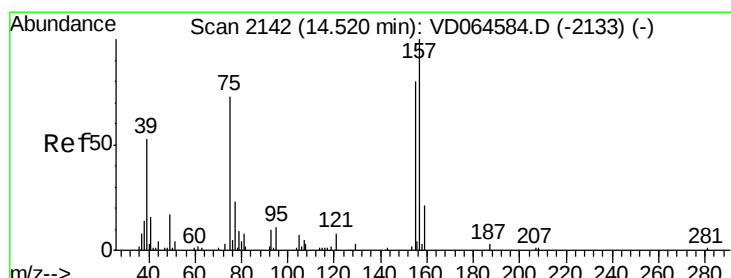
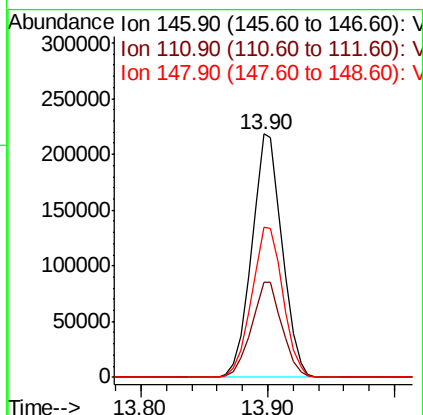
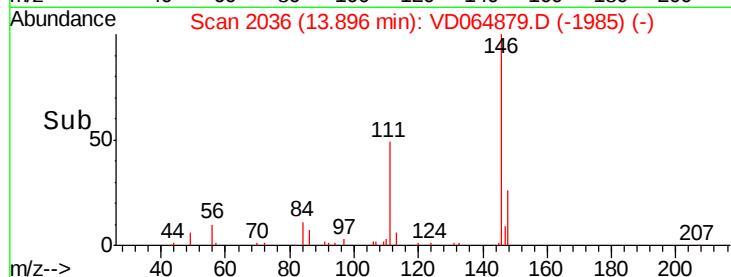
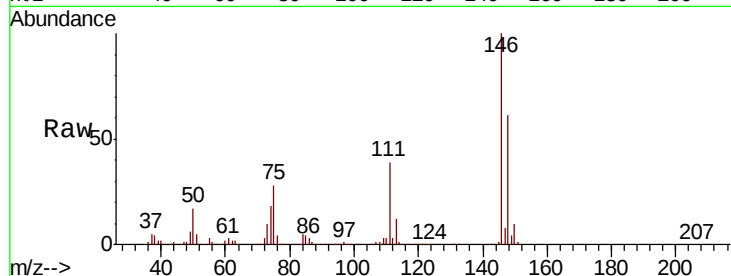




#91
 1,2-Dichlorobenzene
 Concen: 49.525 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

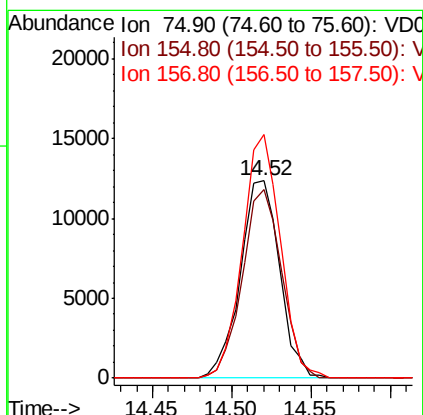
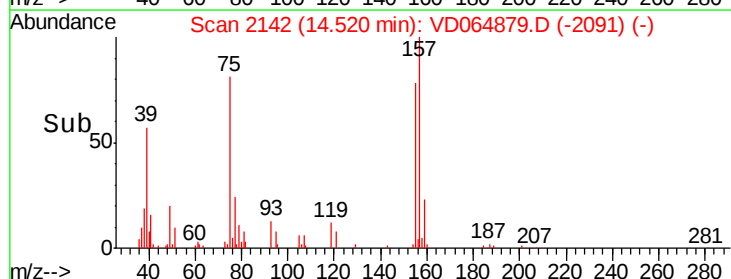
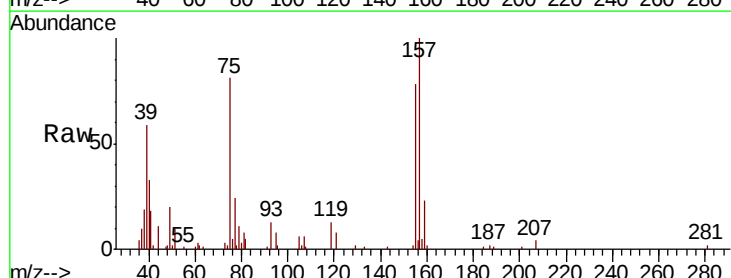
Instrument :
 MSVOA_D
 ClientSampleID :

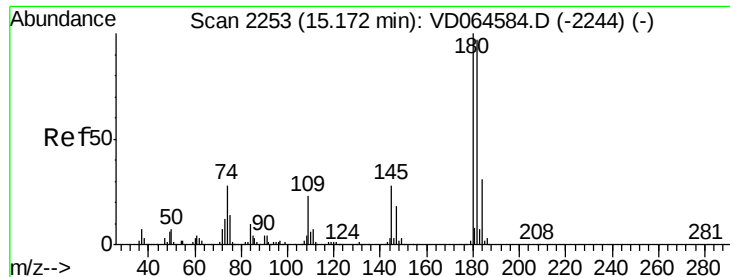
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.738 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.0	144.0
157	118.4	64.1	192.3

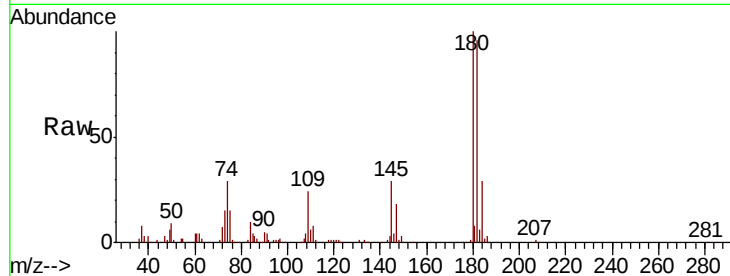




#93
 1,2,4-Trichlorobenzene
 Concen: 47.055 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	28.9	13.8	41.4

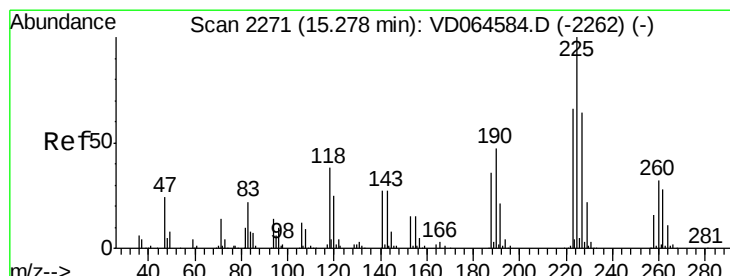
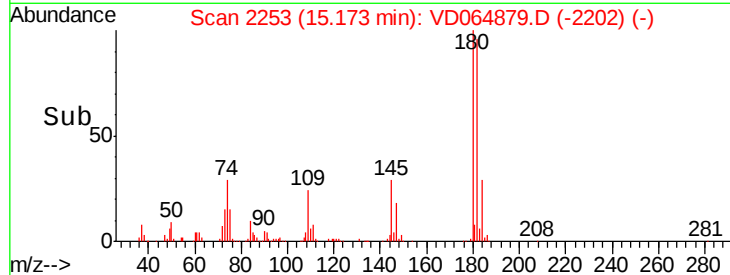
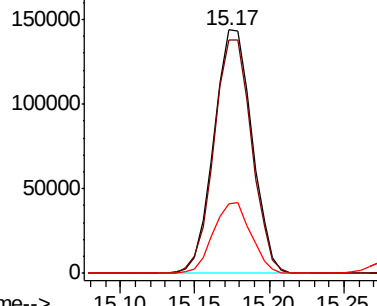


Abundance

Ion 179.80 (179.50 to 180.50): V

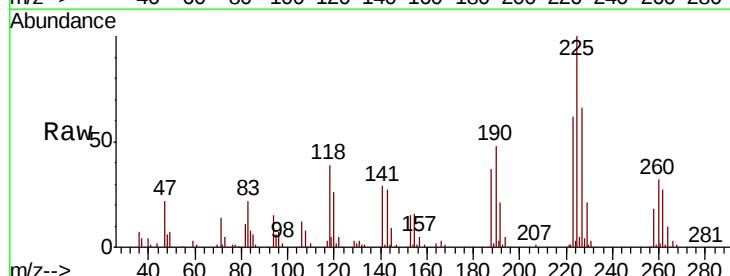
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.461 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	64.5	30.9	92.7

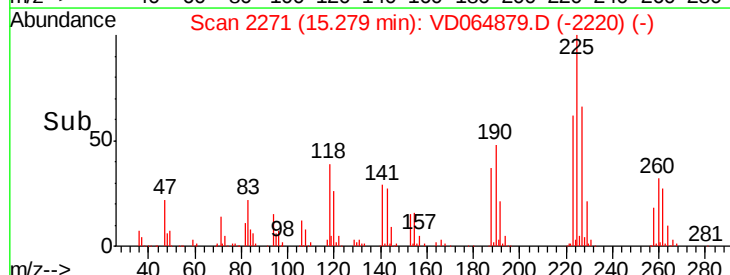
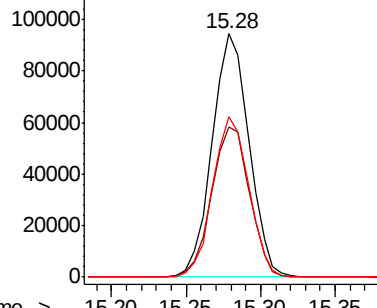


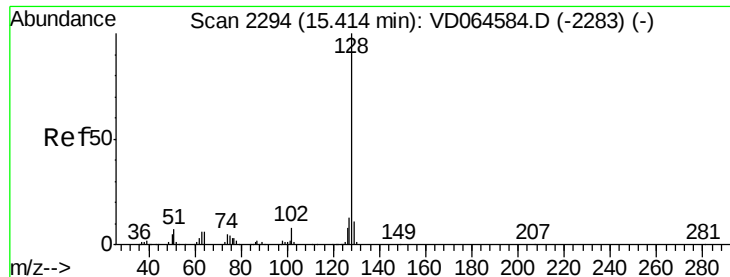
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.769 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

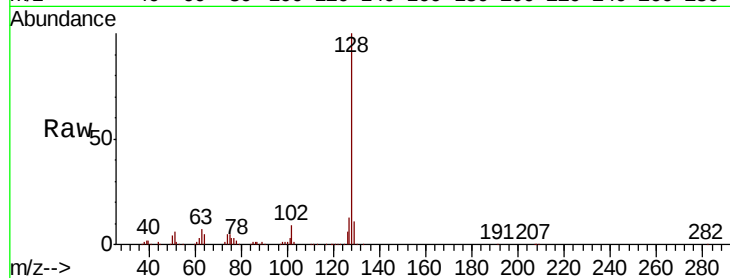
Tot Ion:128 Resp: 382334

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

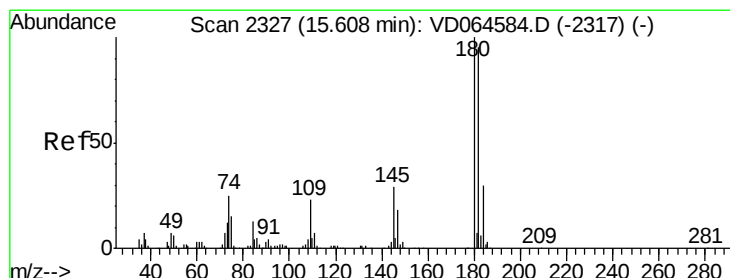
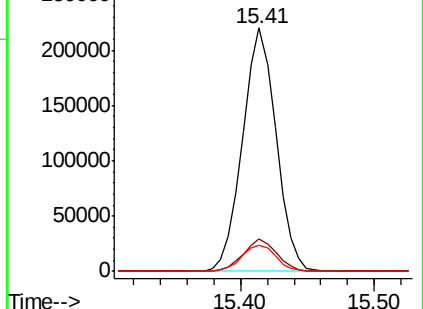
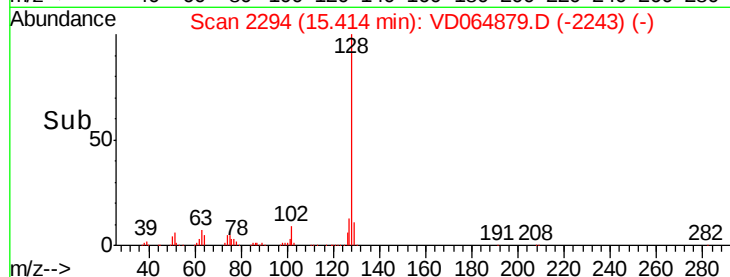
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.656 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

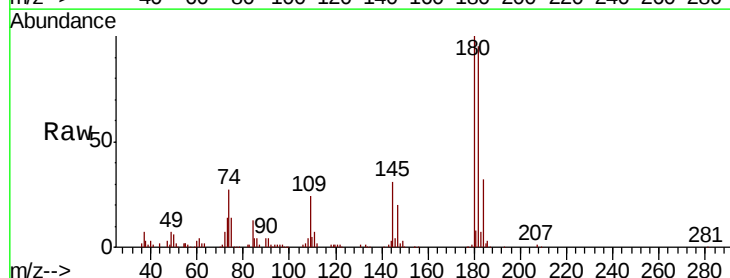
Tgt Ion:180 Resp: 215018

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 31.0 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

