

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064986.D
 Acq On : 28 Jan 2020 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:35:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	469375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234549	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.93	113	223792	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.34	98	861756	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.64	95	271720	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	166730	47.151	ug/l	99
3) Chloromethane	2.21	50	253428	48.901	ug/l	96
4) Vinyl Chloride	2.35	62	288317	48.437	ug/l	99
5) Bromomethane	2.77	94	193842	48.412	ug/l	97
6) Chloroethane	2.93	64	194690	49.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	439179	47.774	ug/l	99
8) Diethyl Ether	3.71	74	108599	52.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204872	47.902	ug/l	99
10) Methyl Iodide	4.30	142	244111	53.771	ug/l	100
11) Tert butyl alcohol	5.24	59	64093	257.607	ug/l	96
12) 1,1-Dichloroethene	4.06	96	203585	49.827	ug/l	95
13) Acrolein	3.93	56	97789	313.527	ug/l	97
14) Allyl chloride	4.71	41	346355	53.151	ug/l	99
15) Acrylonitrile	5.43	53	237805	264.617	ug/l	99
16) Acetone	4.17	43	233570	215.640	ug/l	100
17) Carbon Disulfide	4.40	76	647167	48.128	ug/l	98
18) Methyl Acetate	4.73	43	109804	52.073	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	504289	55.238	ug/l	97
20) Methylene Chloride	4.97	84	242127	56.082	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	239384	50.853	ug/l	97
22) Diisopropyl ether	6.37	45	710208	54.687	ug/l	99
23) Vinyl Acetate	6.31	43	2091599	275.080	ug/l	99
24) 1,1-Dichloroethane	6.27	63	415944	52.165	ug/l	97
25) 2-Butanone	7.23	43	319207	262.427	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364679	50.422	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	263213	52.387	ug/l	100
28) Bromochloromethane	7.56	49	171580	53.806	ug/l	98
29) Tetrahydrofuran	7.57	42	199860	266.302	ug/l	99
30) Chloroform	7.72	83	434395	52.701	ug/l	96
31) Cyclohexane	7.99	56	343262	43.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	385240	50.240	ug/l	99
36) 1,1-Dichloropropene	8.11	75	324502	47.319	ug/l	98
37) Ethyl Acetate	7.30	43	147247	51.983	ug/l	98
38) Carbon Tetrachloride	8.10	117	350116	48.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	364524	45.466	ug/l	95
40) Benzene	8.36	78	951046	50.354	ug/l	100
41) Methacrylonitrile	7.57	41	203627	133.445	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	283862	50.454	ug/l	98
43) Isopropyl Acetate	8.46	43	280963	52.217	ug/l	98
44) Trichloroethene	9.11	130	263426	49.835	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229440	50.111	ug/l	96
46) Dibromomethane	9.48	93	125250	50.105	ug/l	99
47) Bromodichloromethane	9.67	83	340965	52.419	ug/l	99
48) Methyl methacrylate	9.46	41	131396	53.066	ug/l	97
49) 1,4-Dioxane	9.47	88	28915	997.356	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	706967	262.590	ug/l	100
52) Toluene	10.41	92	612320	50.285	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	322285	52.015	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	377307	52.011	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	169516	50.344	ug/l	99
56) Ethyl methacrylate	10.67	69	220600	54.786	ug/l	98
57) 1,3-Dichloropropane	10.96	76	297672	51.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	333005	248.936	ug/l	100
59) 2-Hexanone	10.99	43	485012	261.172	ug/l	99
60) Dibromochloromethane	11.15	129	233819	51.955	ug/l	99
61) 1,2-Dibromoethane	11.26	107	168844	52.077	ug/l	99
64) Tetrachloroethene	10.88	164	219622	47.938	ug/l	97
65) Chlorobenzene	11.68	112	638943	49.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	243407	50.280	ug/l	98
67) Ethyl Benzene	11.75	91	1133428	49.597	ug/l	98
68) m/p-Xylenes	11.86	106	882463	100.293	ug/l	100
69) o-Xylene	12.19	106	397350	50.883	ug/l	99
70) Styrene	12.20	104	718204	51.629	ug/l	99
71) Bromoform	12.37	173	140646	52.264	ug/l #	97
73) Isopropylbenzene	12.48	105	1029676	49.144	ug/l	98
74) N-amyl acetate	12.30	43	256628	54.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	179633	51.010	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	243009	95.507	ug/l #	100
77) Bromobenzene	12.77	156	263072	51.316	ug/l	99
78) n-propylbenzene	12.83	91	1213968	48.720	ug/l	100
79) 2-Chlorotoluene	12.91	91	680339	49.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856082	49.858	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59552	49.975	ug/l	99
82) 4-Chlorotoluene	13.01	91	726867	50.141	ug/l	98
83) tert-Butylbenzene	13.23	119	707868	48.580	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	853424	49.065	ug/l	100
85) sec-Butylbenzene	13.41	105	977348	47.372	ug/l	99
86) p-Isopropyltoluene	13.53	119	932281	48.290	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	479686	48.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	475237	48.679	ug/l	99
89) n-Butylbenzene	13.86	91	828862	47.044	ug/l	100
90) Hexachloroethane	14.12	117	174593	46.895	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	416048	49.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28358	50.320	ug/l	97

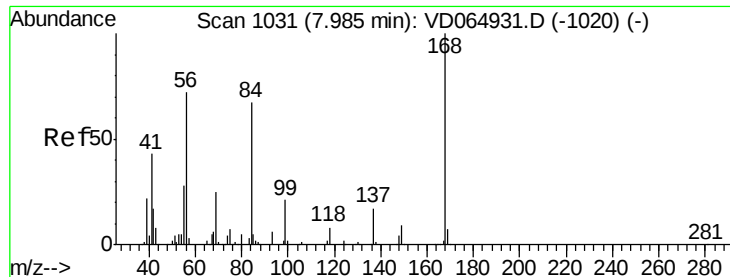
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279407	48.365	ug/l	100
94) Hexachlorobutadiene	15.28	225	164327	44.970	ug/l	99
95) Naphthalene	15.41	128	490225	52.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	241241	48.161	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: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

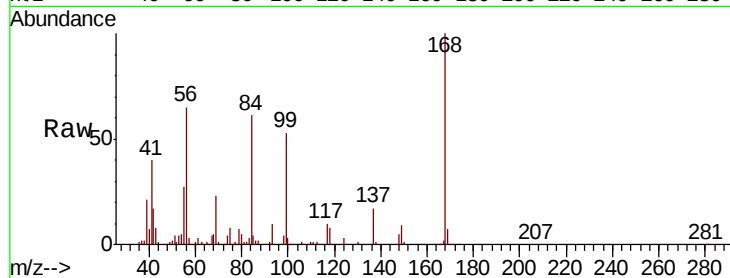
ClientSampleId :

Tot Ion:168 Resp: 469375

Ion Ratio Lower Upper

168 100

99 52.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

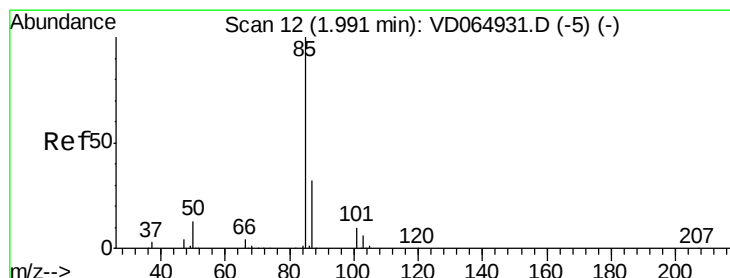
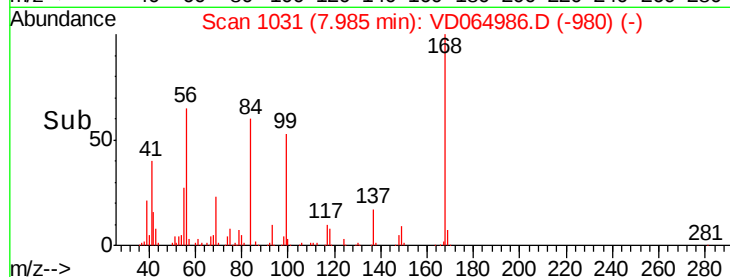
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064986.D

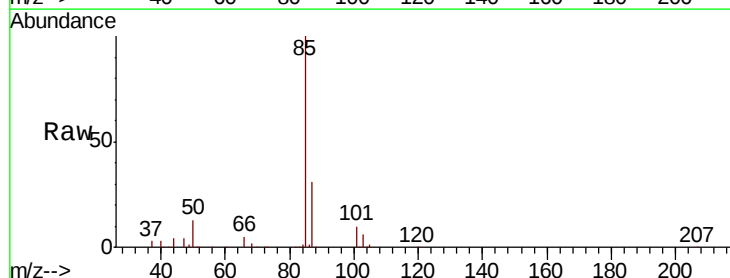
Acq: 28 Jan 2020 19:44

Tgt Ion: 85 Resp: 166730

Ion Ratio Lower Upper

85 100

87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

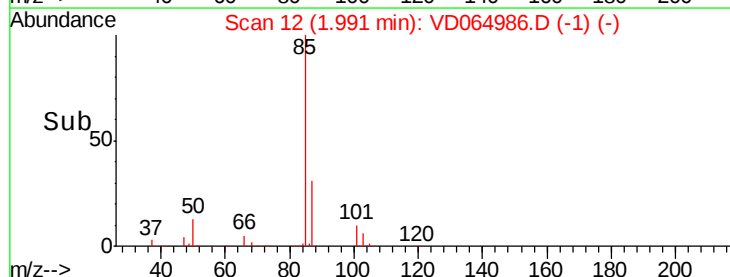
1.99

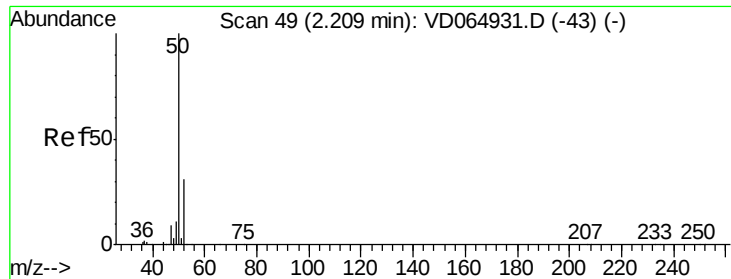
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.901 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

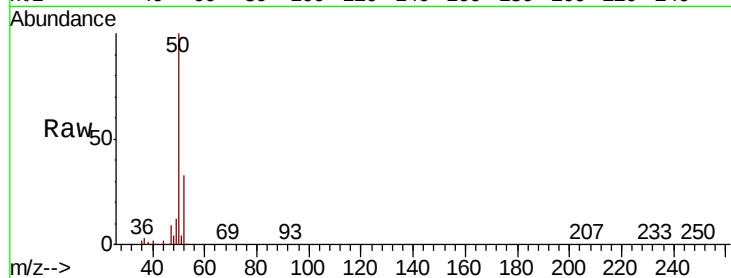
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 50 Resp: 253428

Ion	Ratio	Lower	Upper
50	100		
52	33.1	24.6	36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

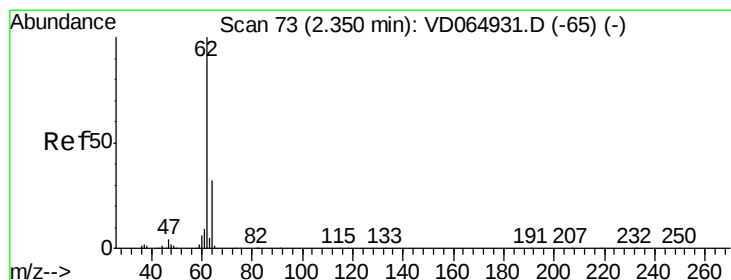
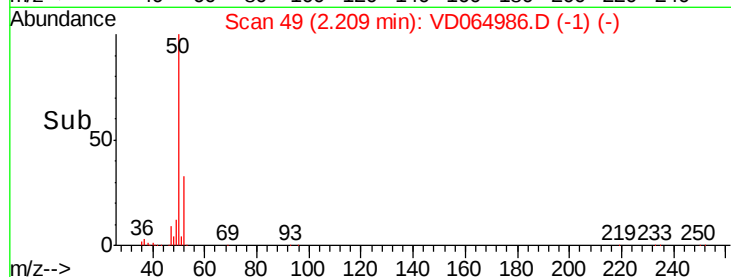
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 48.437 ug/l

RT: 2.35 min Scan# 73

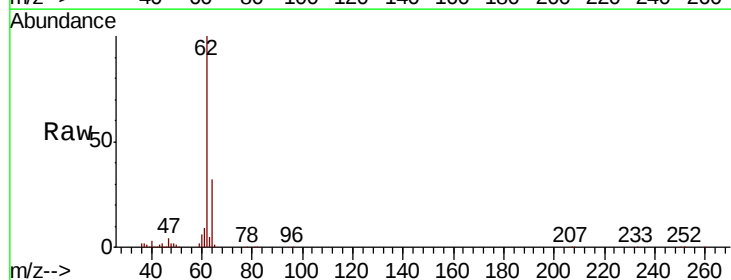
Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion: 62 Resp: 288317

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.6	38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

150000

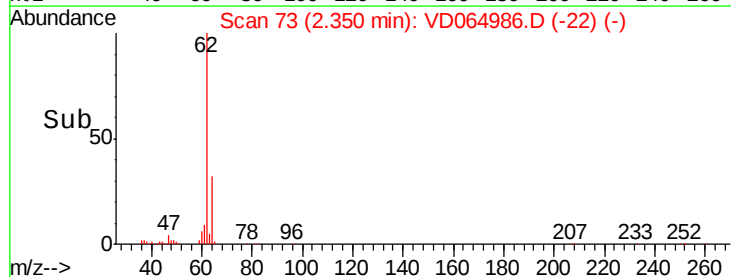
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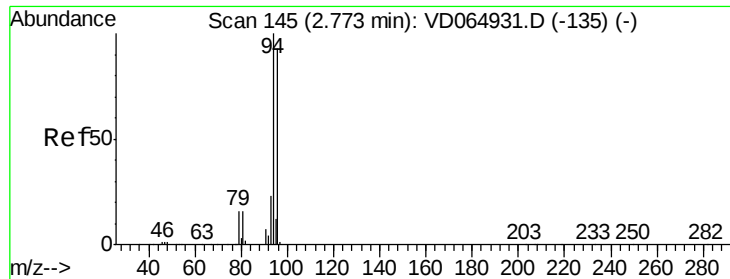
50000

0

Time-->

2.30 2.40





#5

Bromomethane

Concen: 48.412 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

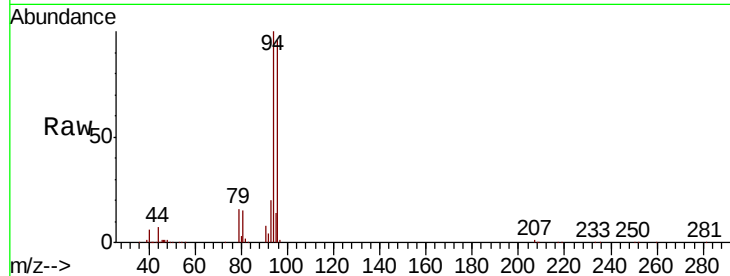
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 193842

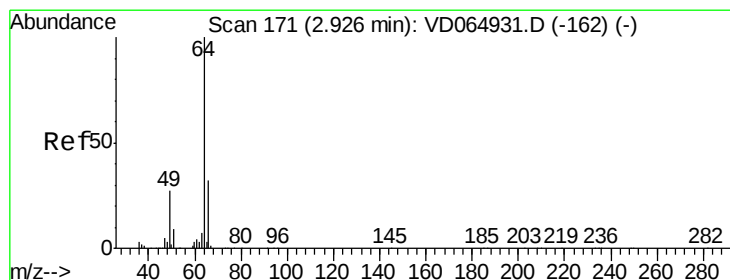
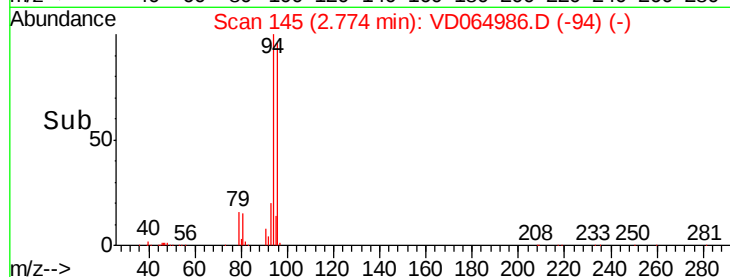
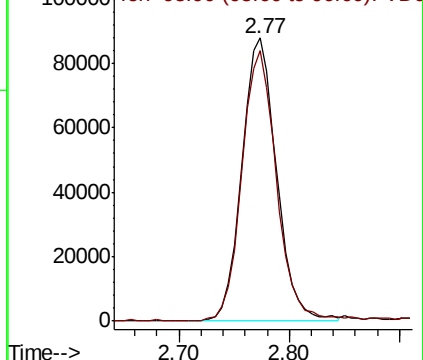
Ion Ratio Lower Upper

94 100

96 95.7 74.6 111.8



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



#6

Chloroethane

Concen: 49.612 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064986.D

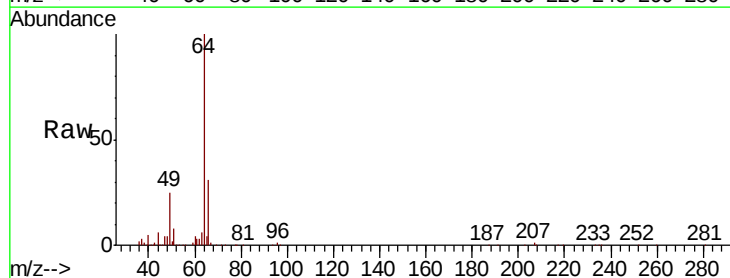
Acq: 28 Jan 2020 19:44

Tgt Ion: 64 Resp: 194690

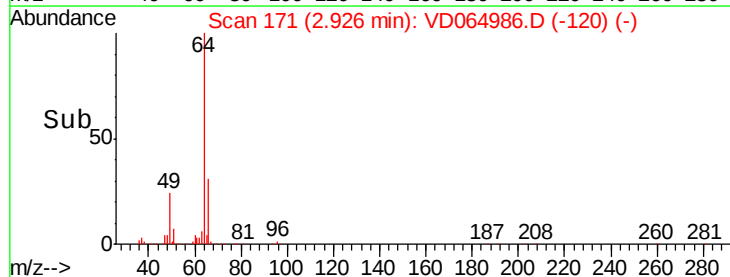
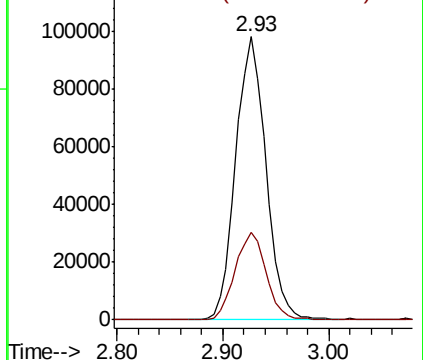
Ion Ratio Lower Upper

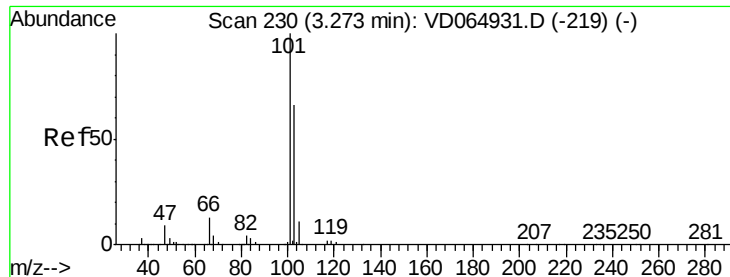
64 100

66 30.8 25.3 37.9



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



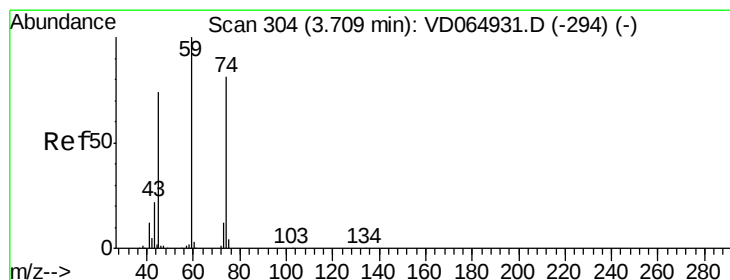
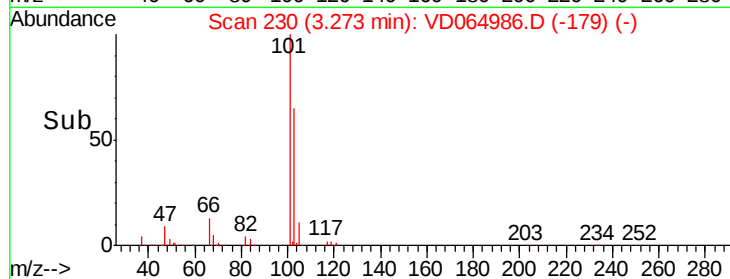
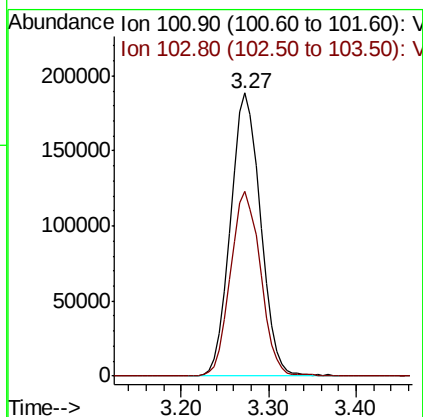
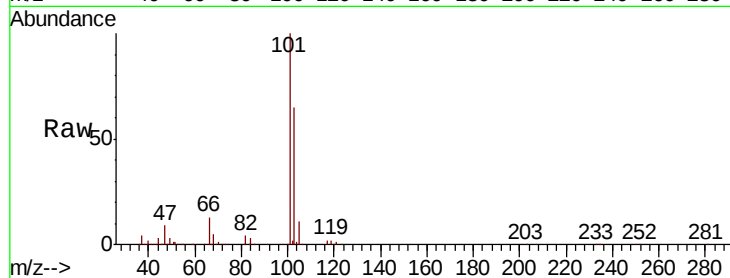


#7

Trichlorofluoromethane
Concen: 47.774 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

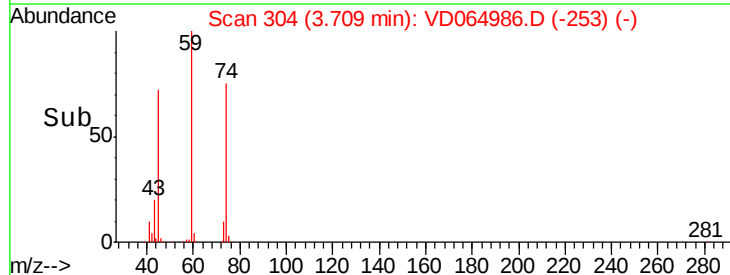
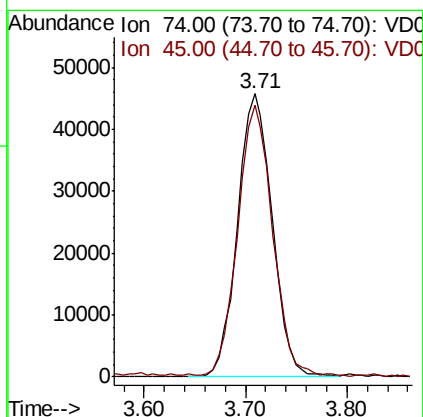
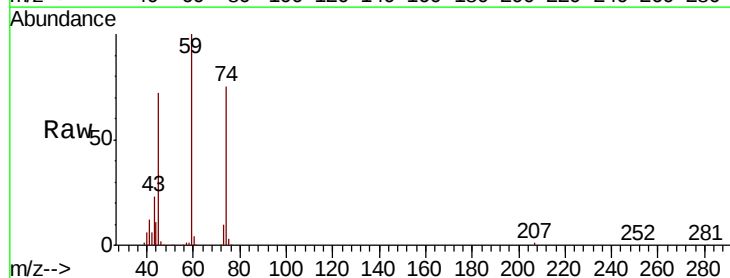
Tot Ion:101 Resp: 439179
Ion Ratio Lower Upper
101 100
103 65.2 52.5 78.7

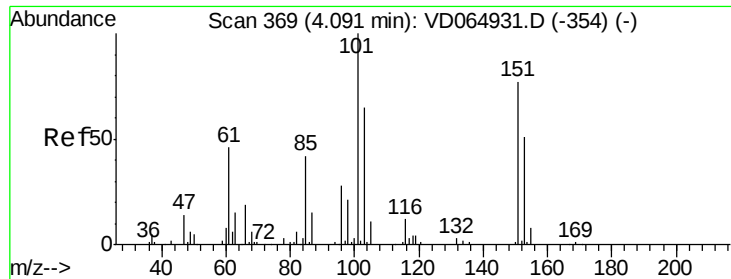


#8

Diethyl Ether
Concen: 52.330 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 74 Resp: 108599
Ion Ratio Lower Upper
74 100
45 95.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.902 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

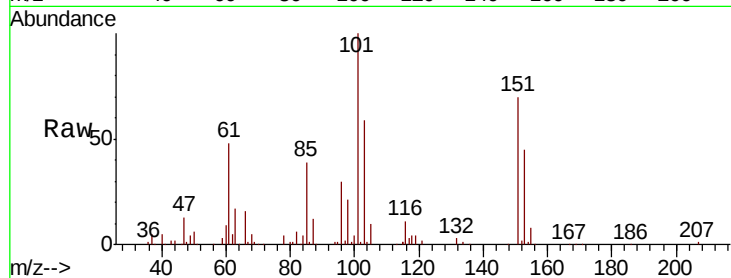
Tot Ion:101 Resp: 204872

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.4

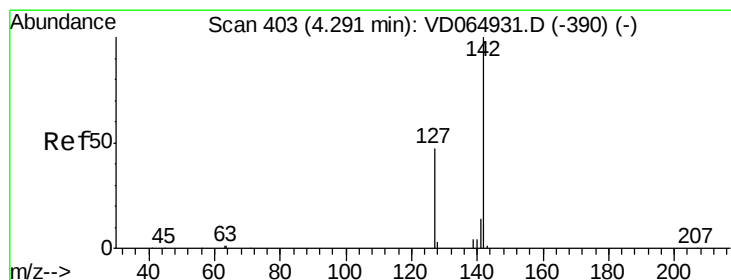
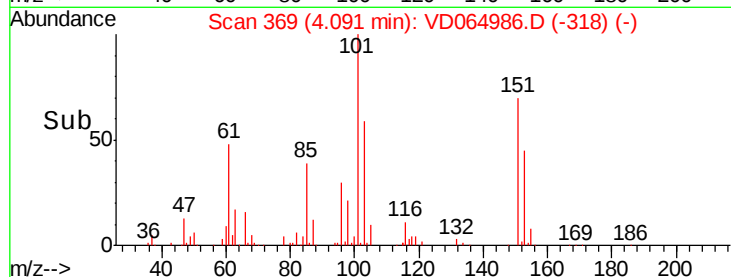
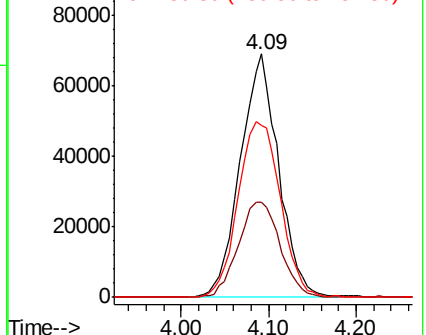
151 79.8 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.771 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

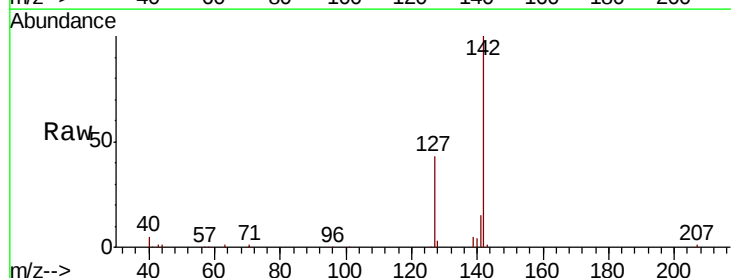
Tgt Ion:142 Resp: 244111

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.2

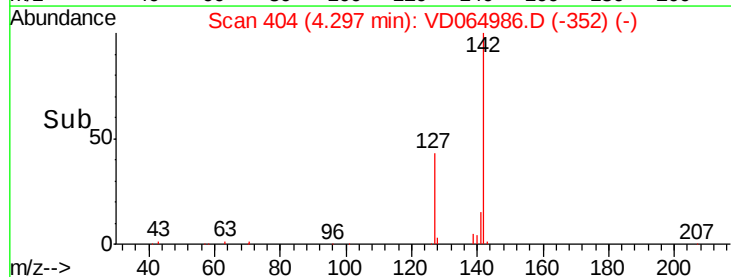
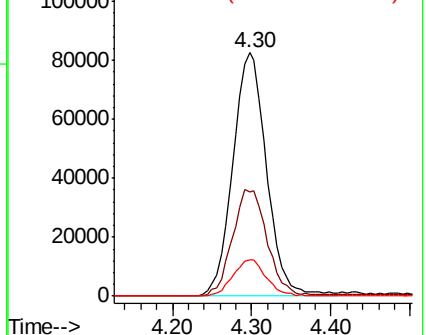
141 14.8 11.6 17.4

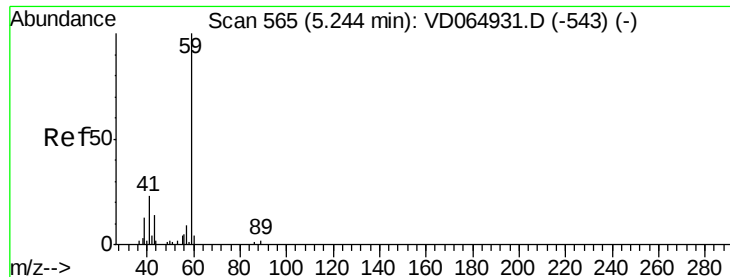


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

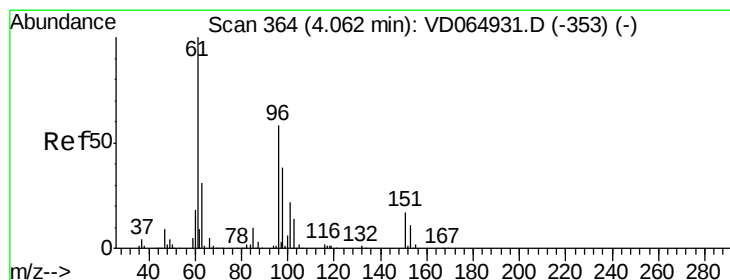
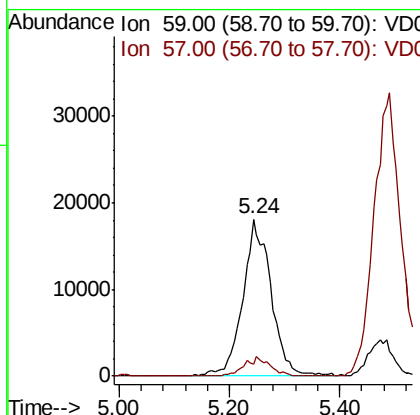
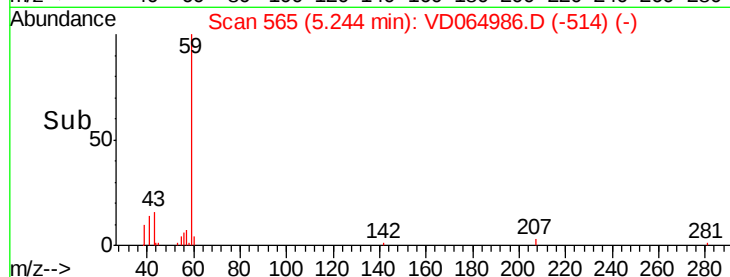
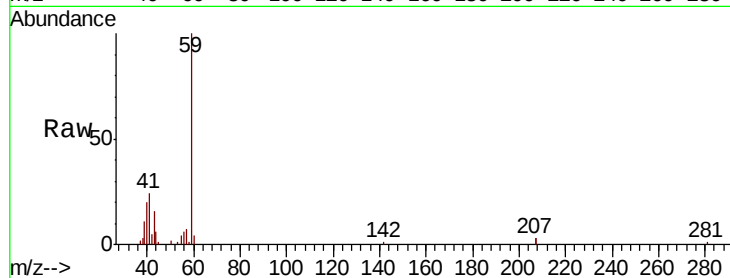




#11
Tert butyl alcohol
Concen: 257.607 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

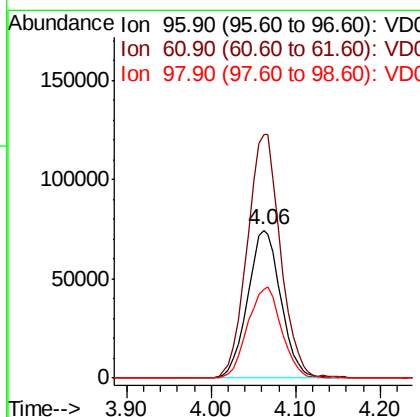
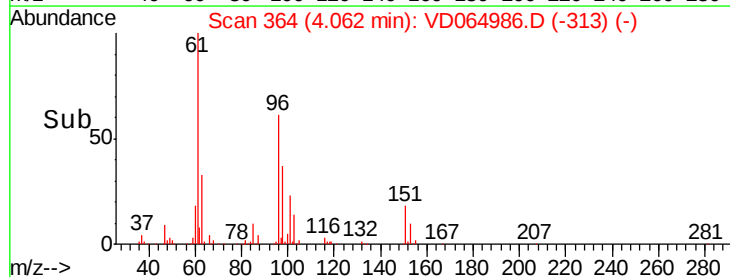
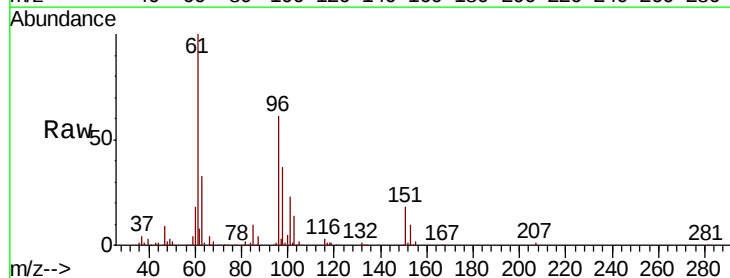
Instrument :
MSVOA_D
ClientSampleId :

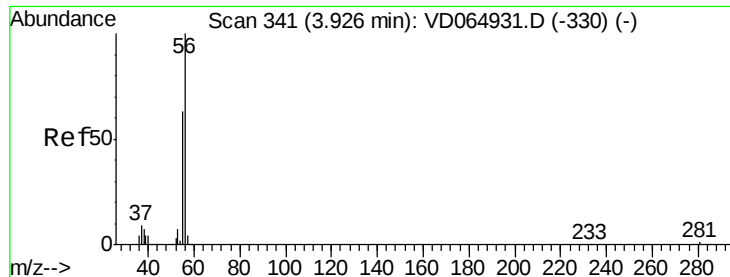
Tot Ion: 59 Resp: 64093
Ion Ratio Lower Upper
59 100
57 11.2 7.7 11.5



#12
1,1-Dichloroethene
Concen: 49.827 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 96 Resp: 203585
Ion Ratio Lower Upper
96 100
61 164.6 137.0 205.4
98 60.3 52.1 78.1

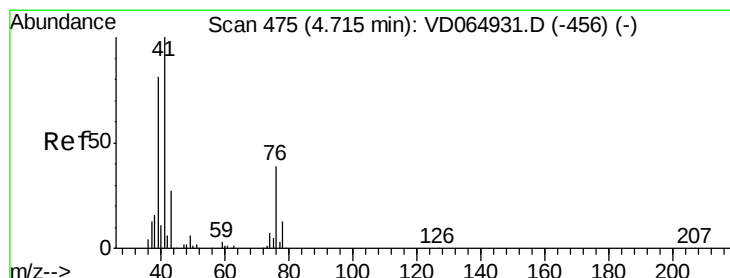
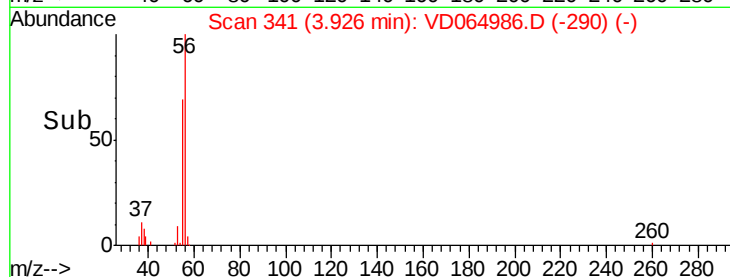
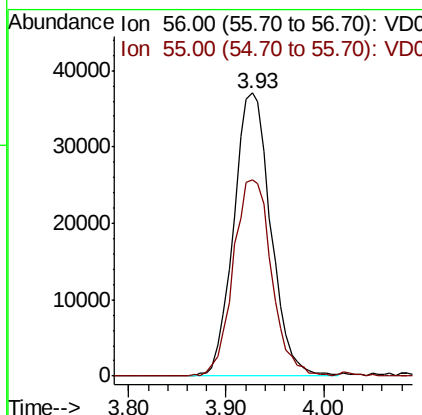
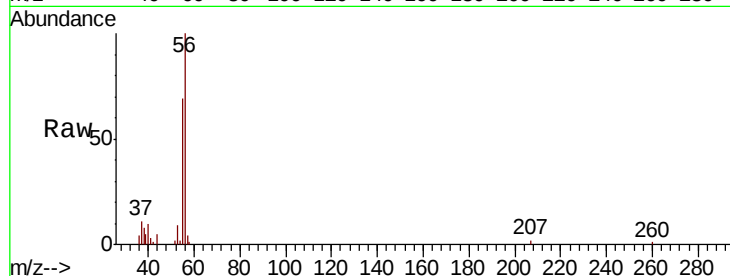




#13
Acrolein
Concen: 313.527 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

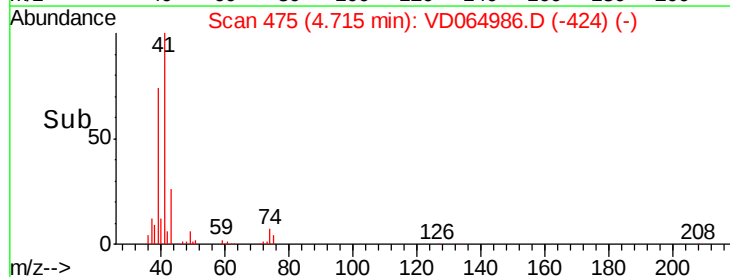
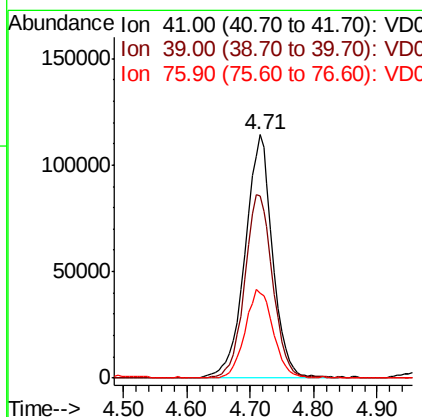
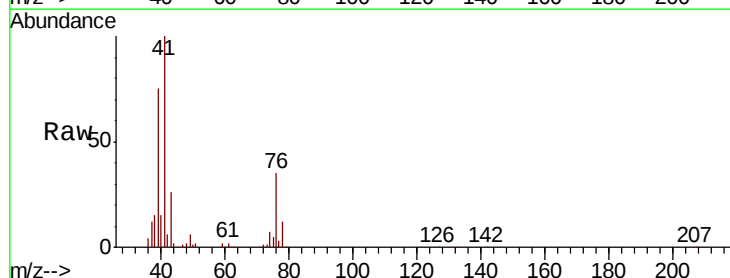
Instrument :
MSVOA_D
ClientSampleId :

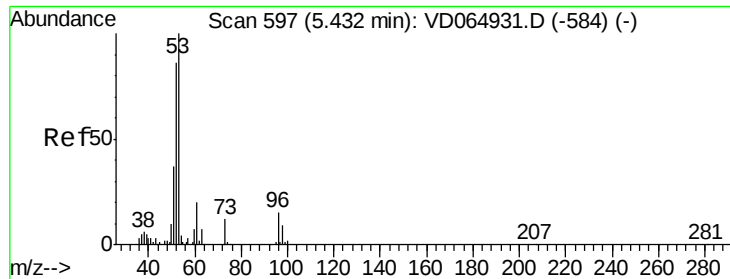
Tot Ion: 56 Resp: 97789
Ion Ratio Lower Upper
56 100
55 71.7 59.7 89.5



#14
Allyl chloride
Concen: 53.151 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 41 Resp: 346355
Ion Ratio Lower Upper
41 100
39 76.5 62.0 93.0
76 37.0 29.3 43.9





#15

Acrylonitrile

Concen: 264.617 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

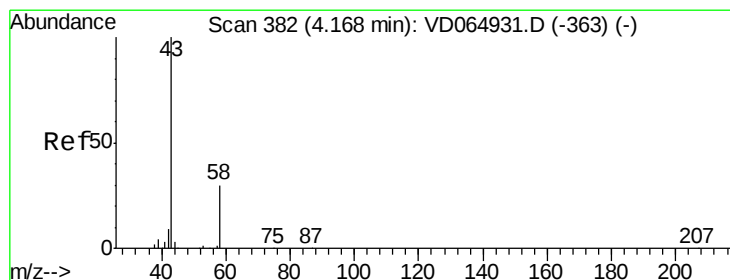
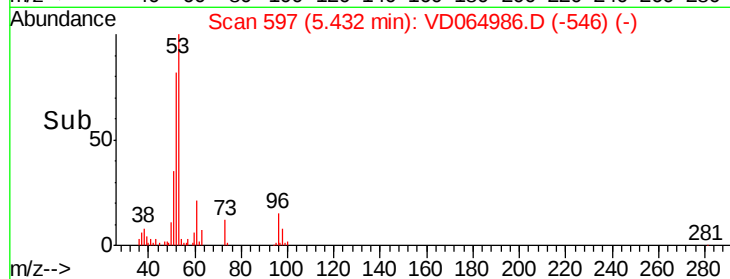
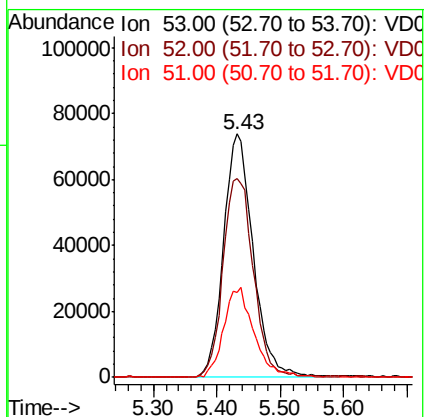
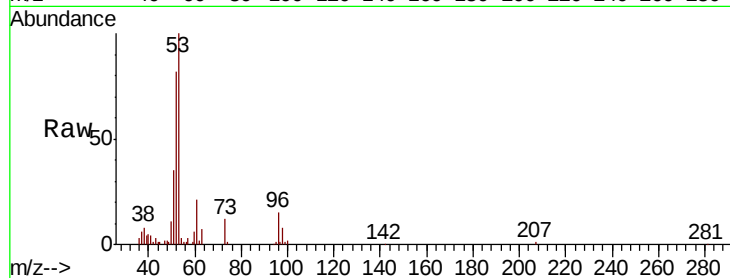
Tot Ion: 53 Resp: 237805

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 37.8 31.1 46.7



#16

Acetone

Concen: 215.640 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064986.D

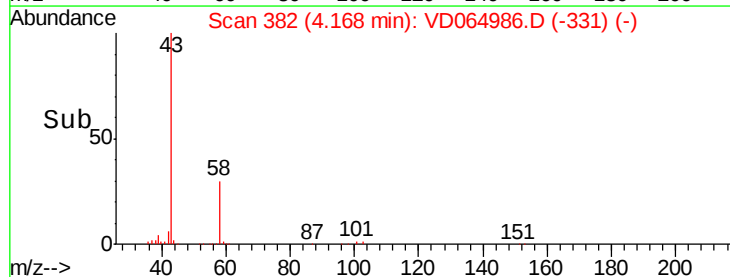
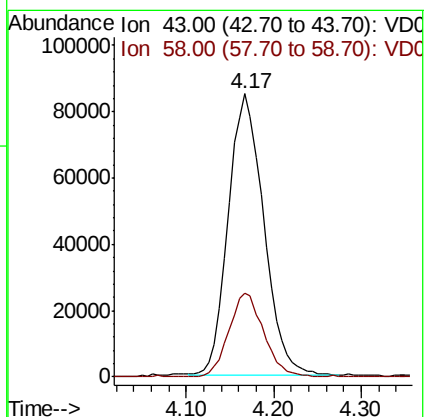
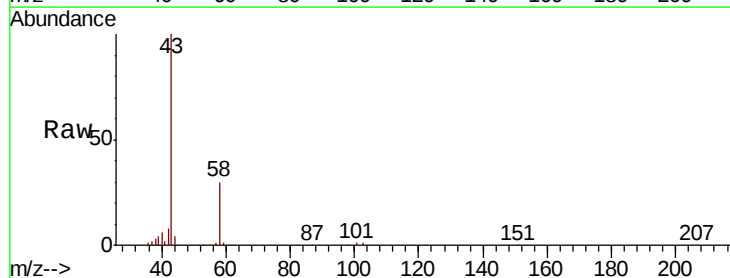
Acq: 28 Jan 2020 19:44

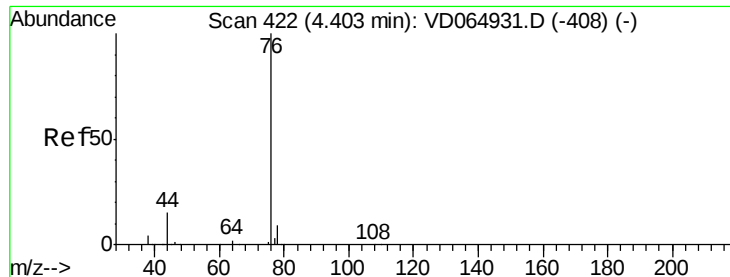
Tgt Ion: 43 Resp: 233570

Ion Ratio Lower Upper

43 100

58 29.7 23.8 35.8

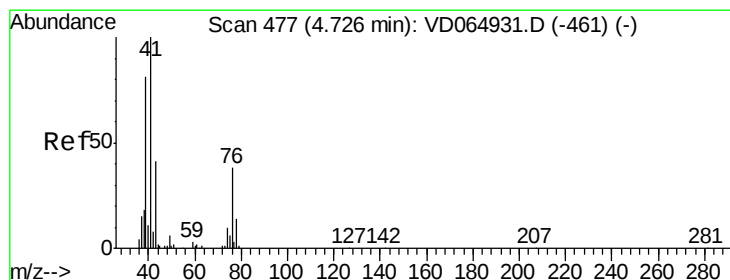
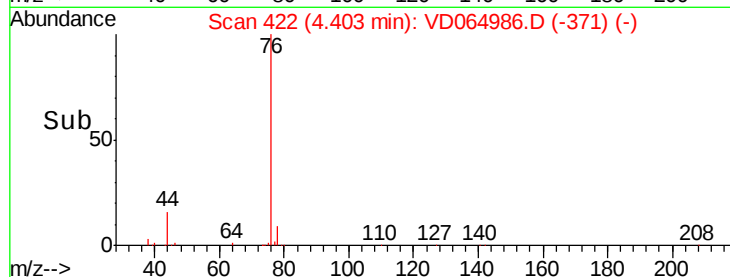
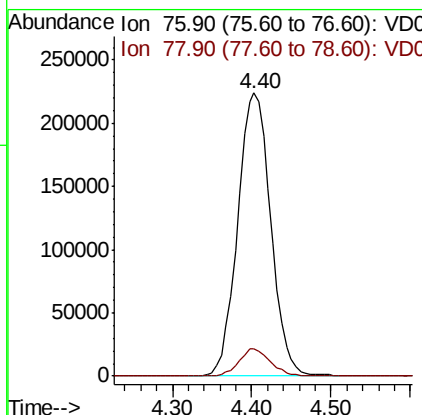
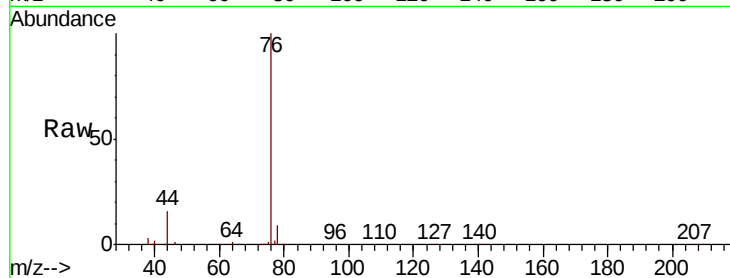




#17
Carbon Disulfide
Concen: 48.128 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

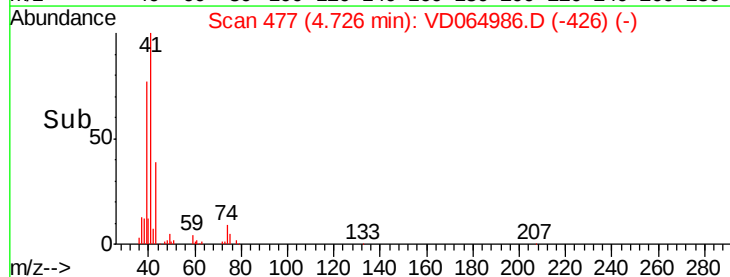
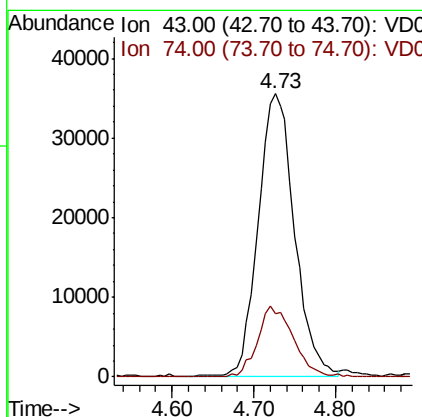
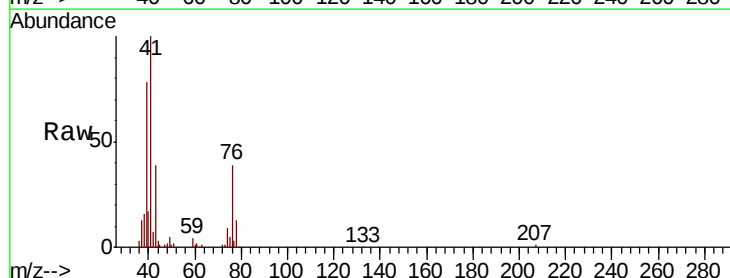
Instrument :
MSVOA_D
ClientSampleId :

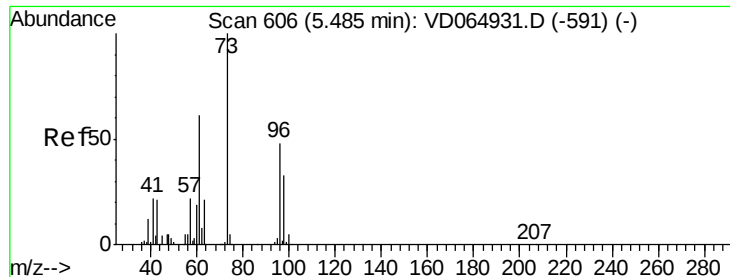
Tot Ion: 76 Resp: 647167
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 52.073 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 43 Resp: 109804
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7



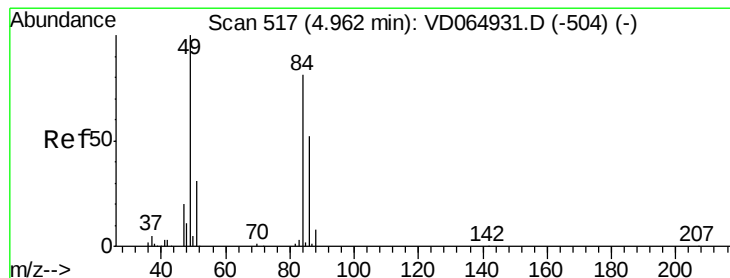
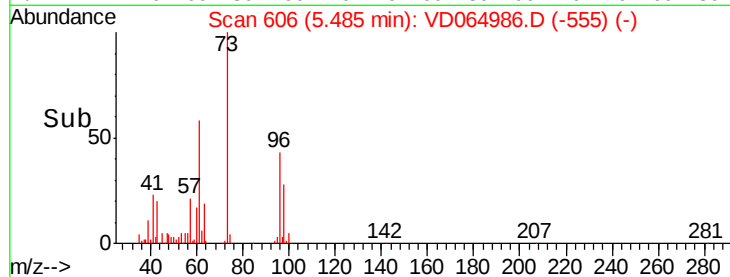
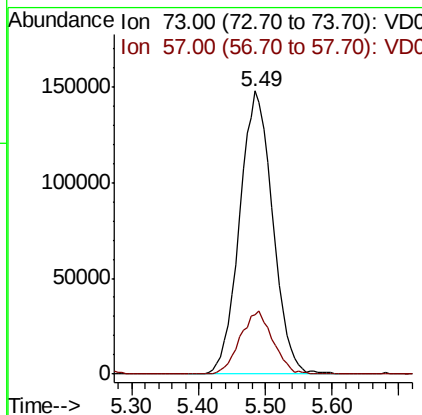
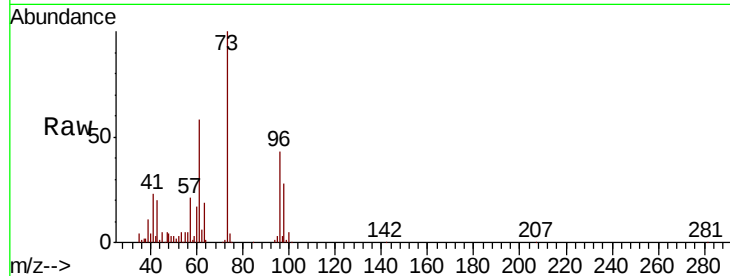


#19

Methyl tert-butyl Ether
 Concen: 55.238 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

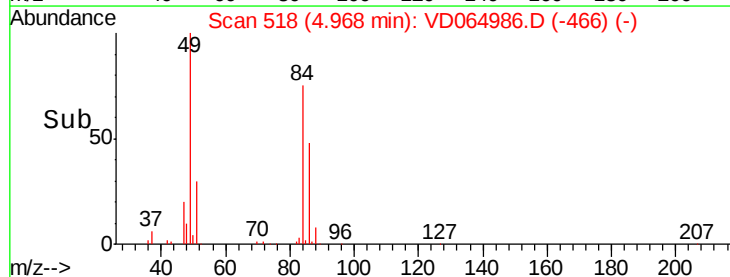
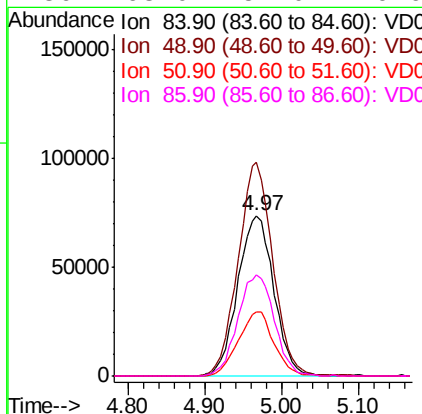
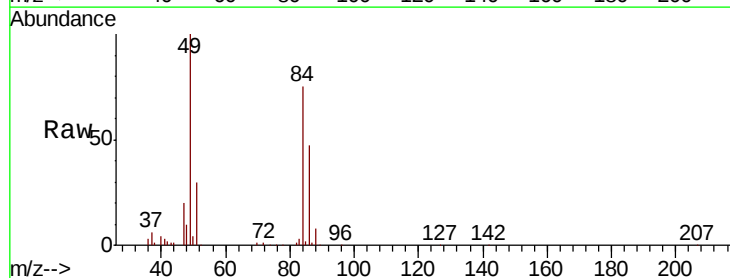
Tot Ion: 73 Resp: 504289
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.9 26.9

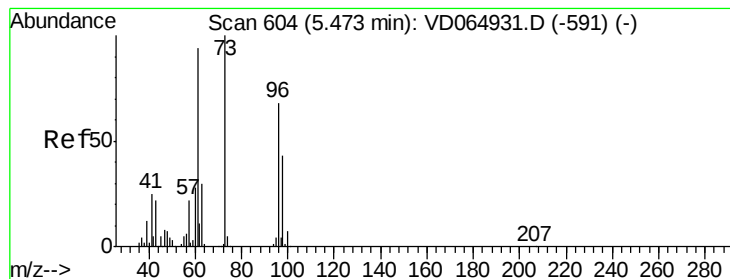


#20

Methylene Chloride
 Concen: 56.082 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion: 84 Resp: 242127
 Ion Ratio Lower Upper
 84 100
 49 133.1 98.4 147.6
 51 39.8 30.8 46.2
 86 63.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.853 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

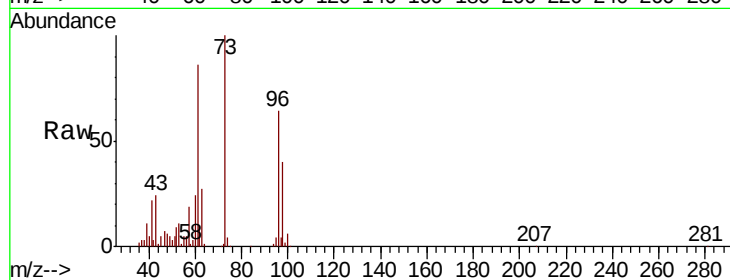
Tot Ion: 96 Resp: 239384

Ion Ratio Lower Upper

96 100

61 133.7 110.4 165.6

98 62.3 50.5 75.7

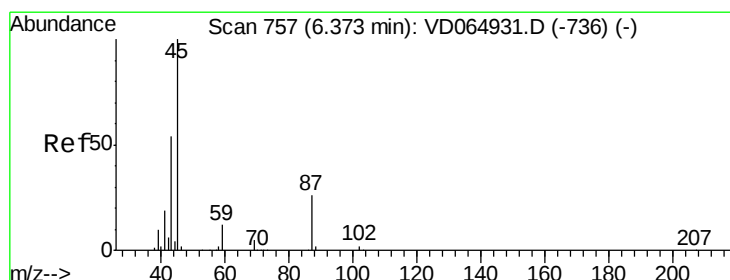
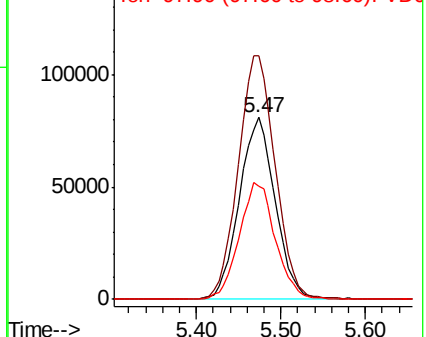
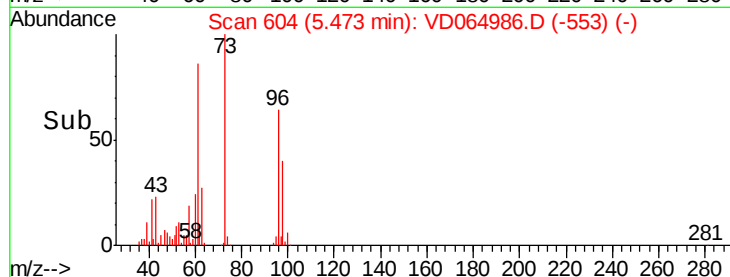


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.687 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion: 45 Resp: 710208

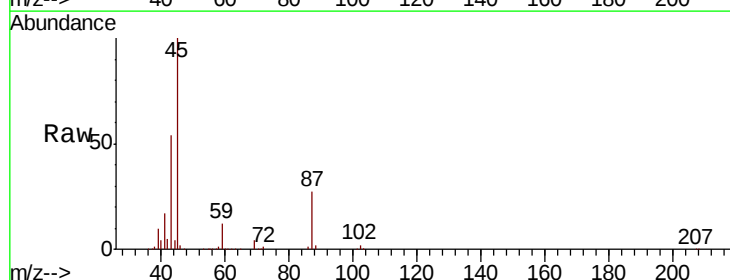
Ion Ratio Lower Upper

45 100

43 52.7 43.1 64.7

87 27.1 21.4 32.2

59 11.4 9.5 14.3



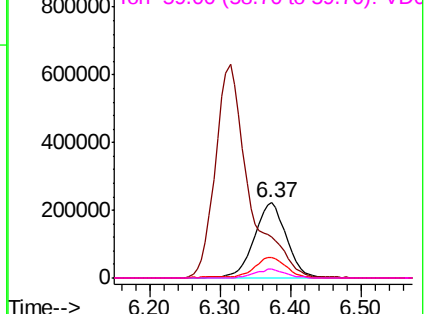
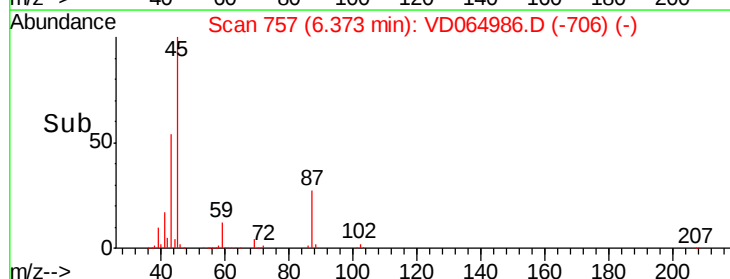
Abundance

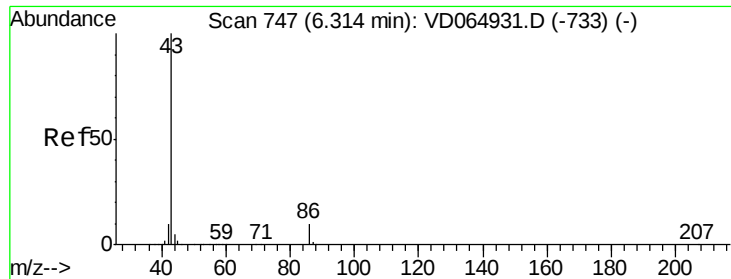
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 275.080 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

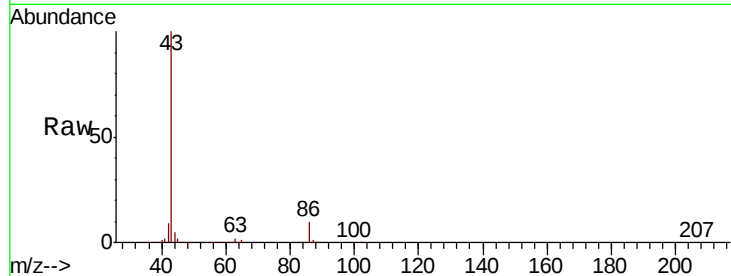
ClientSampleId :

Tot Ion: 43 Resp: 2091599

Ion Ratio Lower Upper

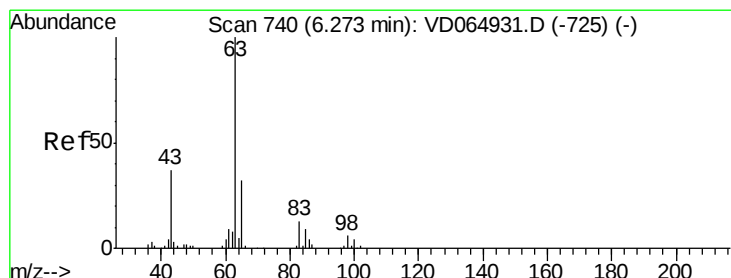
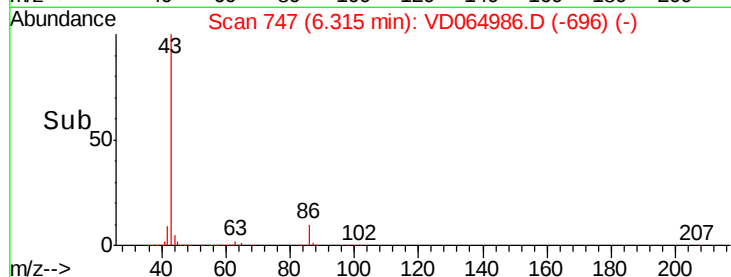
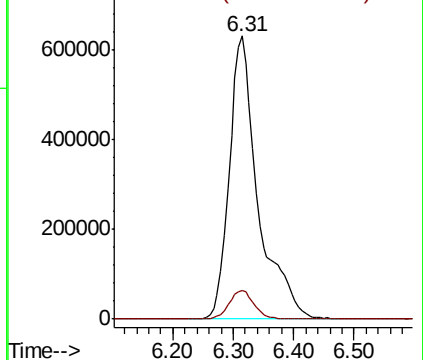
43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.165 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

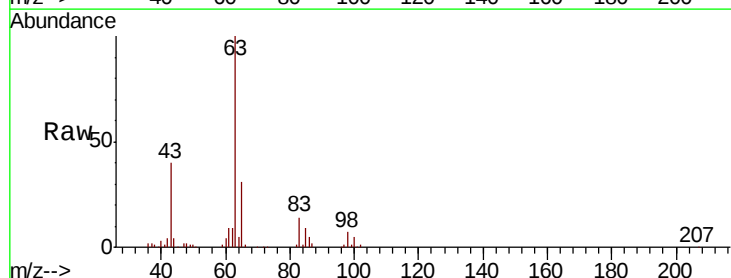
Tgt Ion: 63 Resp: 415944

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.3

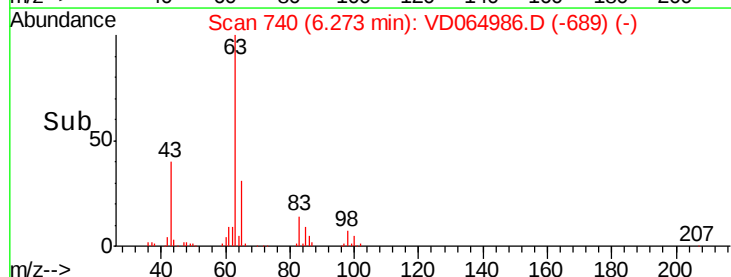
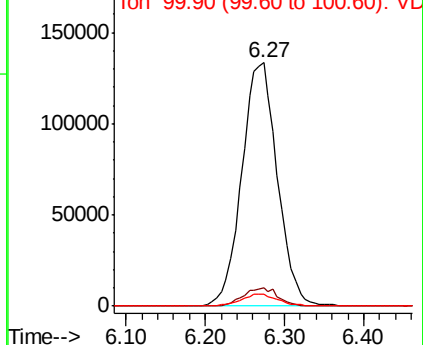
100 5.1 2.3 6.8

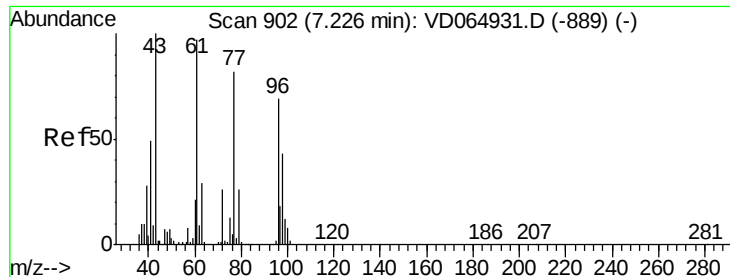


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

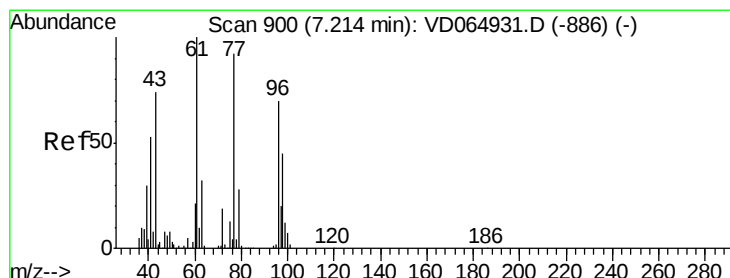
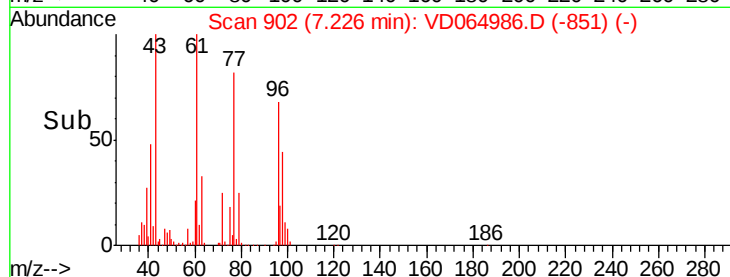
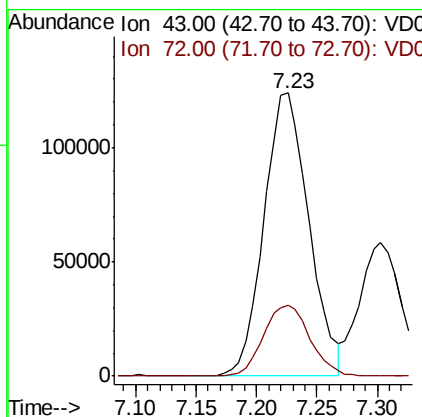
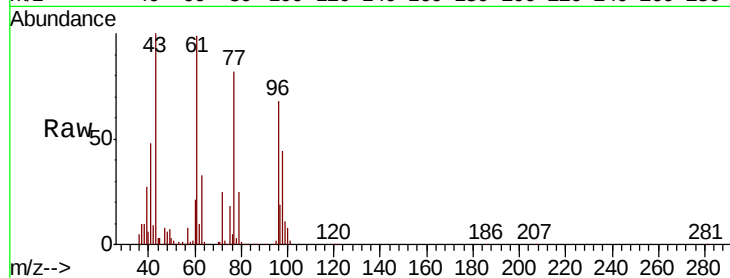




#25
2-Butanone
Concen: 262.427 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

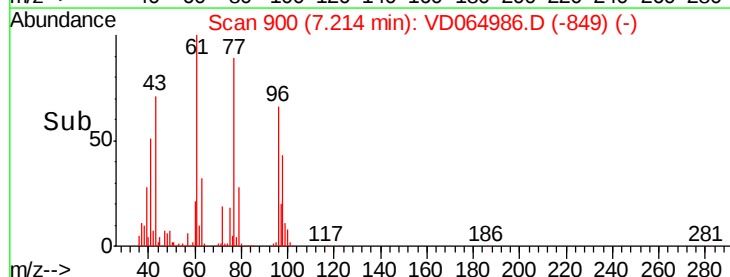
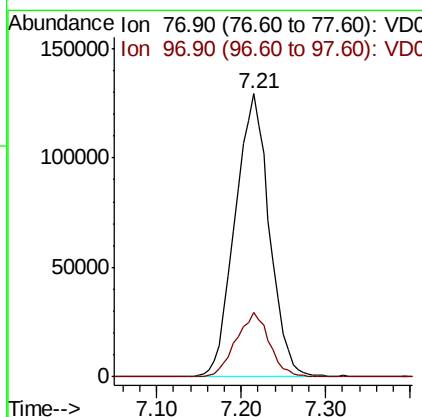
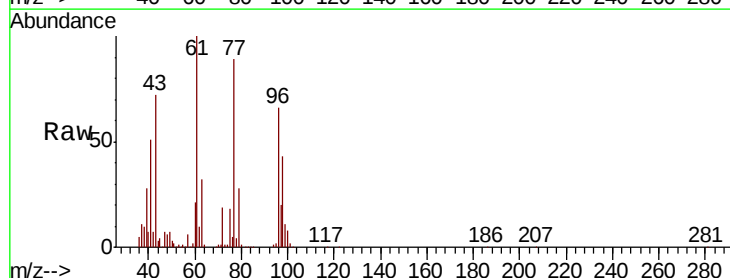
Instrument :
MSVOA_D
ClientSampled :

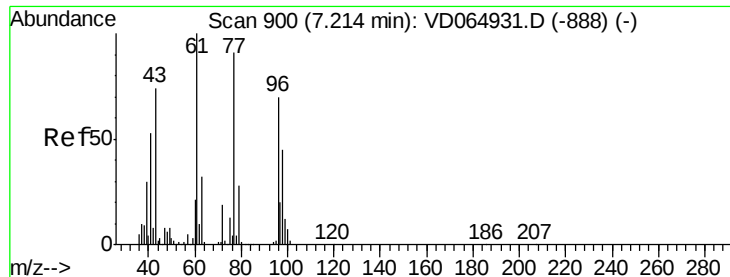
Tot Ion: 43 Resp: 319207
Ion Ratio Lower Upper
43 100
72 25.1 20.6 31.0



#26
2,2-Dichloropropane
Concen: 50.422 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 77 Resp: 364679
Ion Ratio Lower Upper
77 100
97 22.1 11.4 34.2



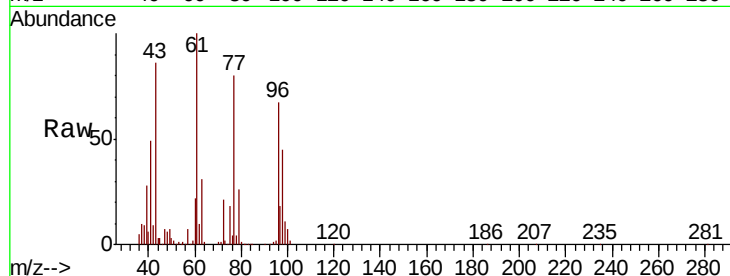


#27

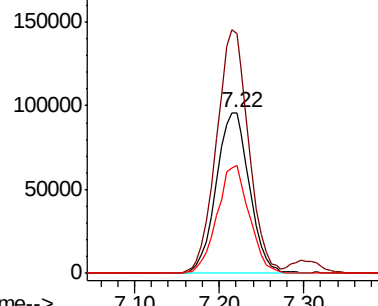
cis-1,2-Dichloroethene
 Concen: 52.387 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

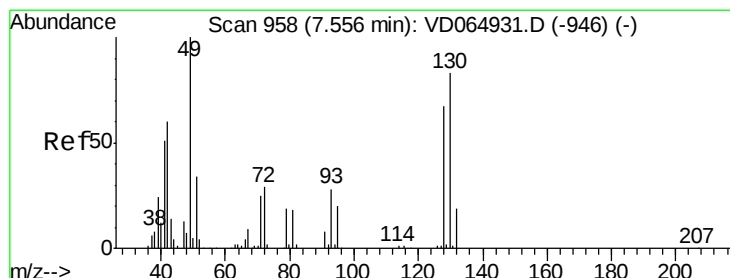
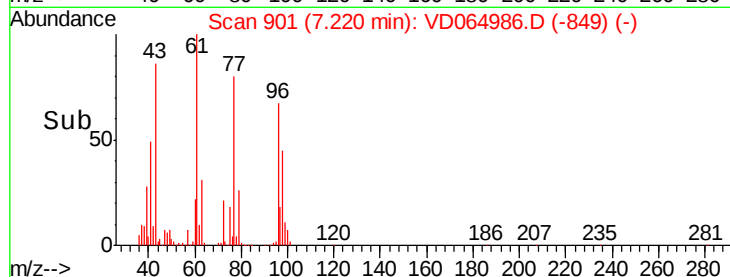
Tot Ion: 96 Resp: 263213
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 292.8
 98 65.2 0.0 130.0



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



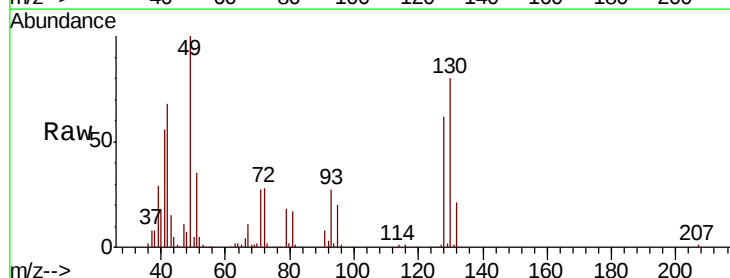
Time-->



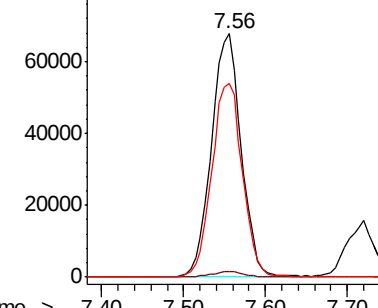
#28

Bromochloromethane
 Concen: 53.806 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

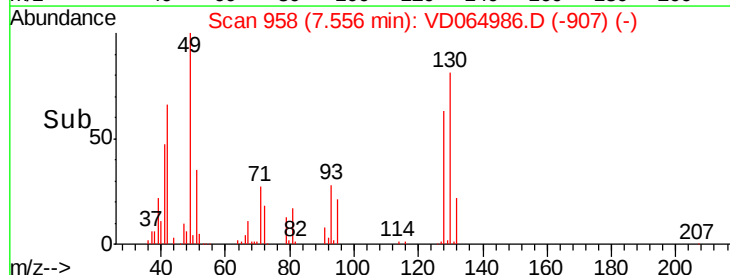
Tgt Ion: 49 Resp: 171580
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 81.7 63.8 95.8

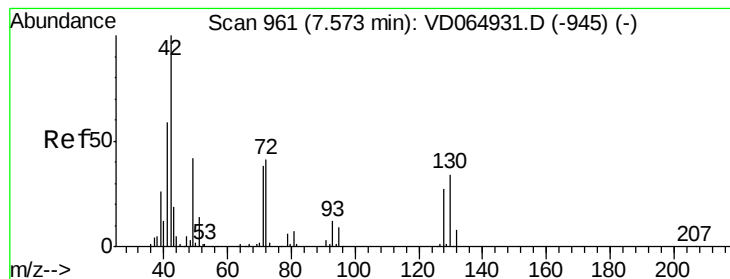


Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC



Time-->





#29

Tetrahydrofuran

Concen: 266.302 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampled :

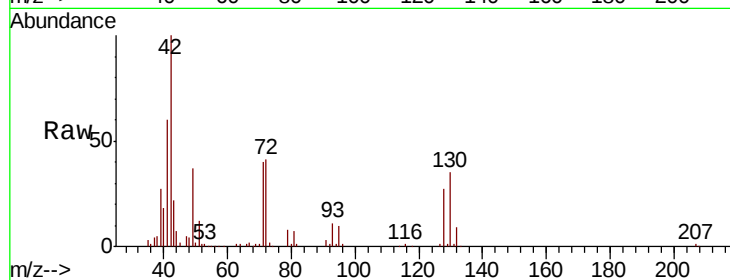
Tot Ion: 42 Resp: 199860

Ion Ratio Lower Upper

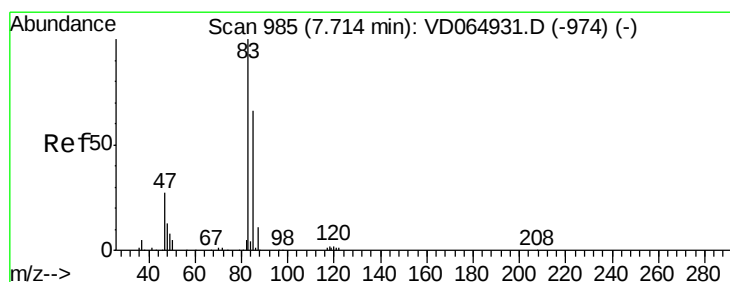
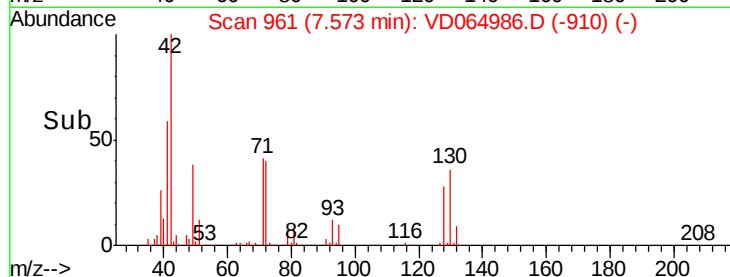
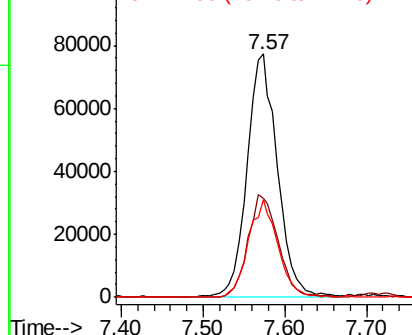
42 100

72 41.7 34.0 51.0

71 38.8 31.5 47.3



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



#30

Chloroform

Concen: 52.701 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064986.D

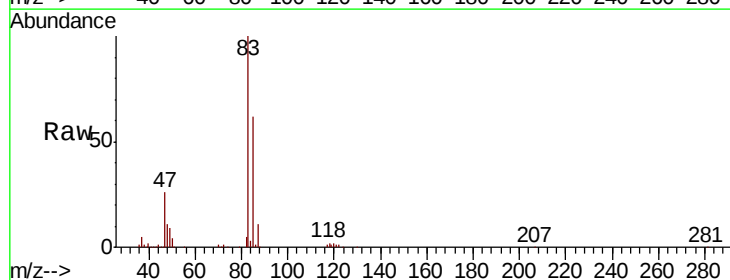
Acq: 28 Jan 2020 19:44

Tgt Ion: 83 Resp: 434395

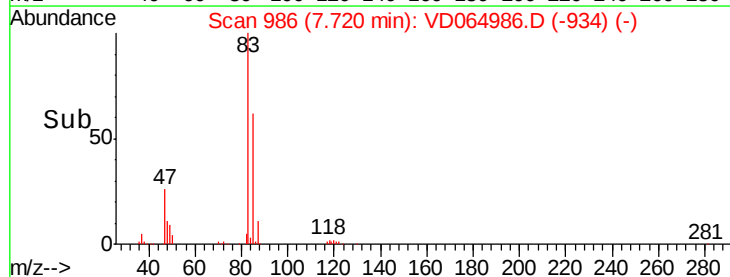
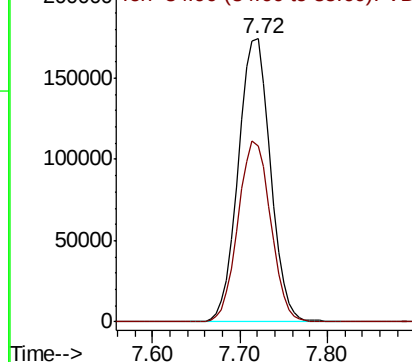
Ion Ratio Lower Upper

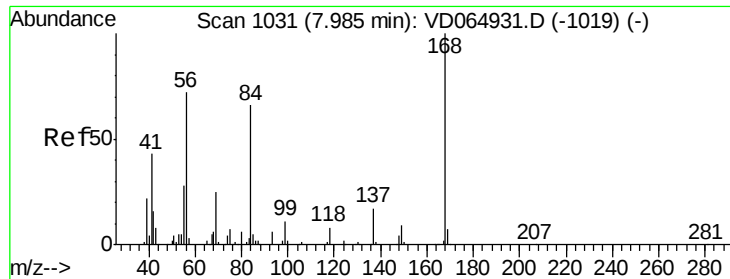
83 100

85 62.2 52.4 78.6



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

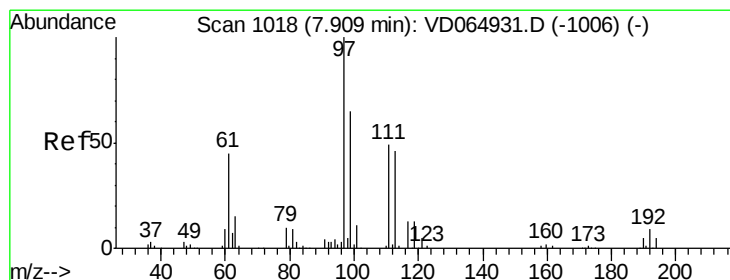
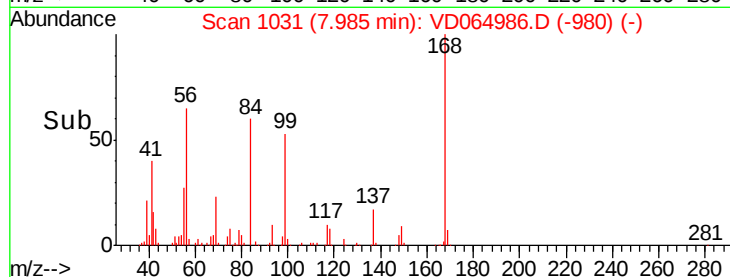
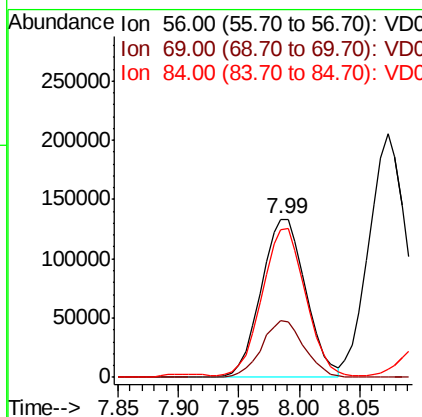
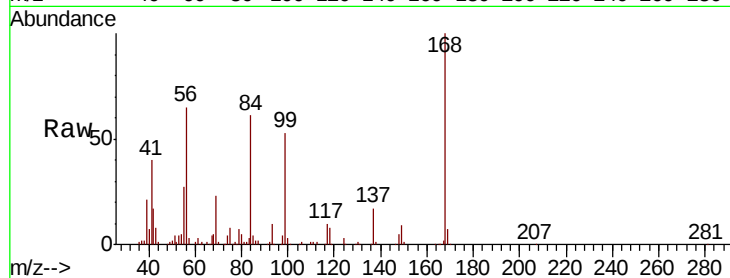




#31
Cyclohexane
Concen: 43.761 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

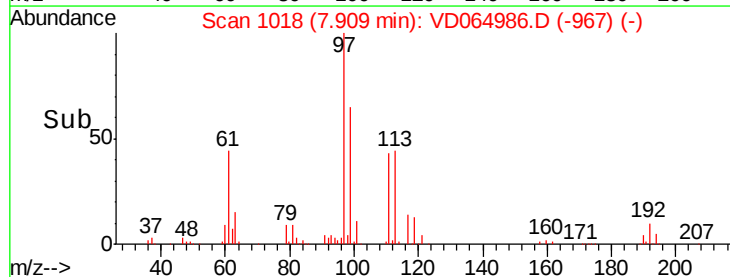
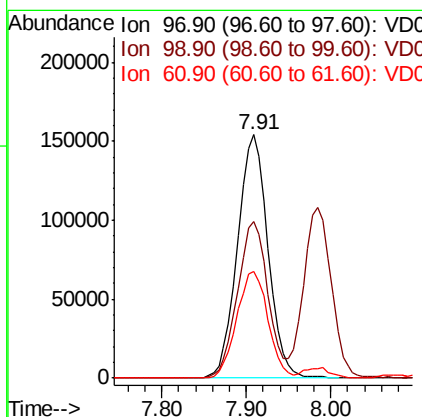
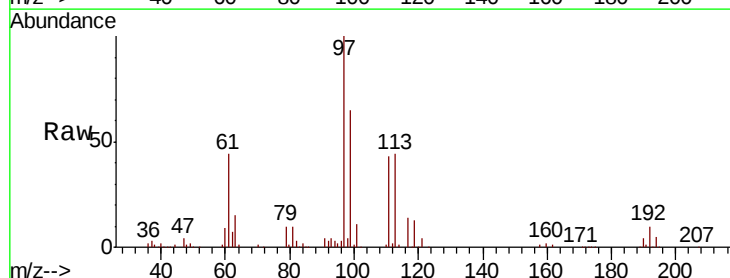
Instrument :
MSVOA_D
ClientSampleId :

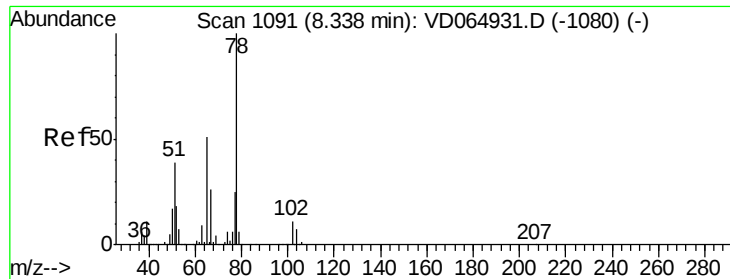
Tot Ion: 56 Resp: 343262
Ion Ratio Lower Upper
56 100
69 35.5 27.9 41.9
84 91.6 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 50.240 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 97 Resp: 385240
Ion Ratio Lower Upper
97 100
99 65.0 50.6 76.0
61 44.9 35.7 53.5

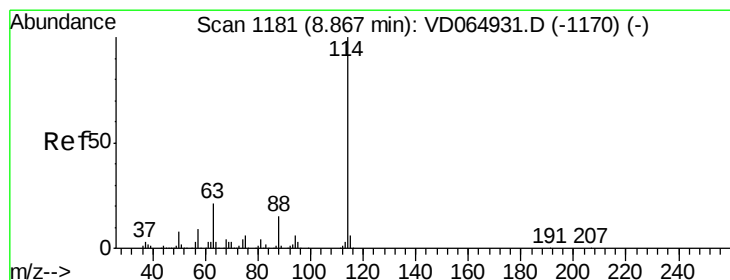
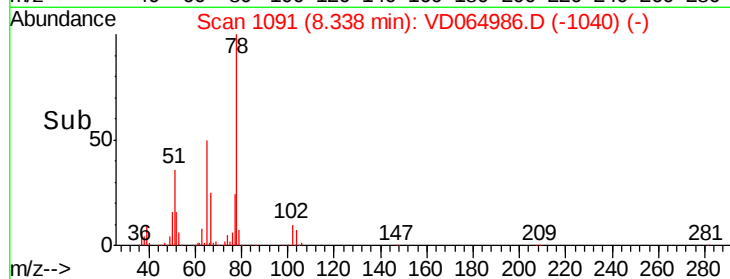
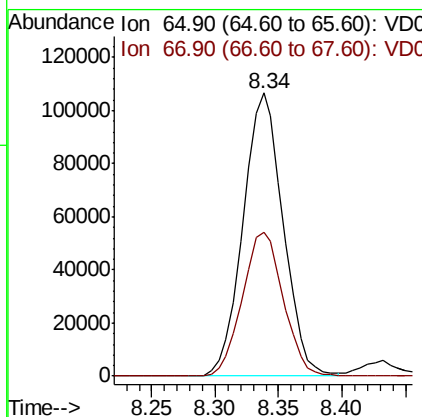
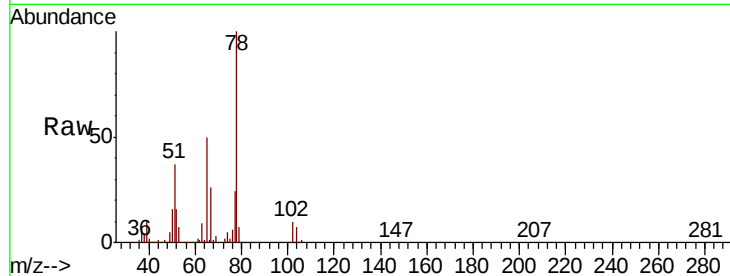




#33
 1,2-Dichloroethane-d4
 Concen: 52.095 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

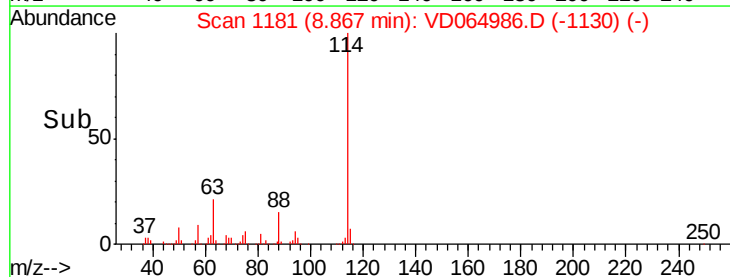
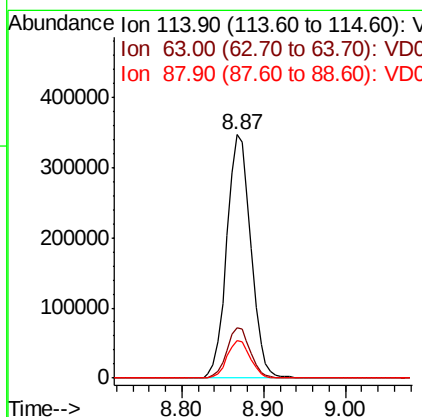
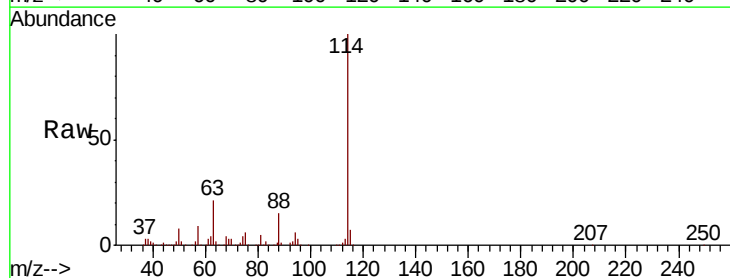
Instrument :
 MSVOA_D
 ClientSampleId :

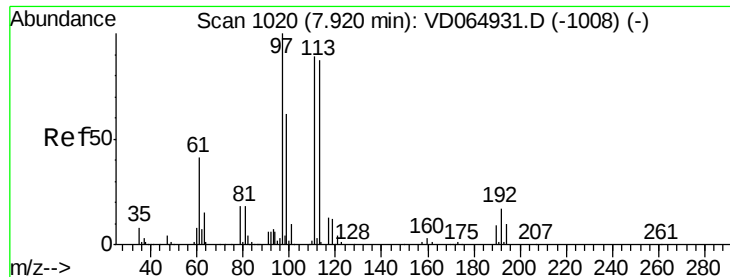
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	15.5	0.0	29.4





#35

Dibromofluoromethane

Concen: 50.076 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

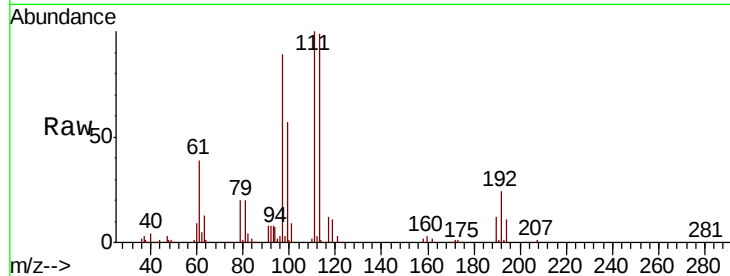
Tot Ion:113 Resp: 223792

Ion Ratio Lower Upper

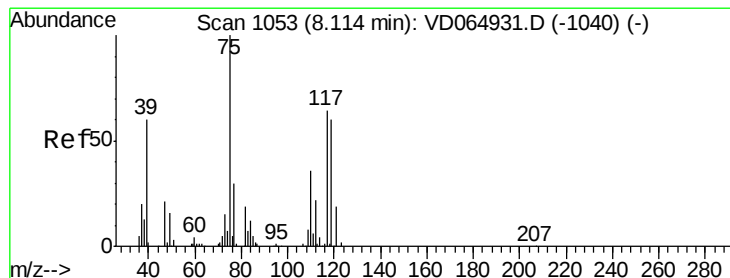
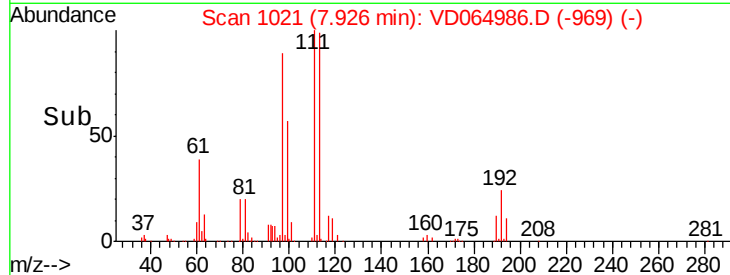
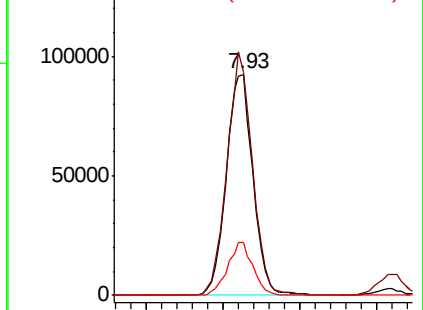
113 100

111 104.4 82.4 123.6

192 22.6 16.9 25.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.319 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

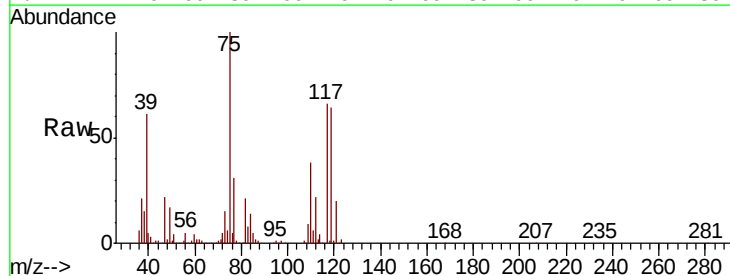
Tgt Ion: 75 Resp: 324502

Ion Ratio Lower Upper

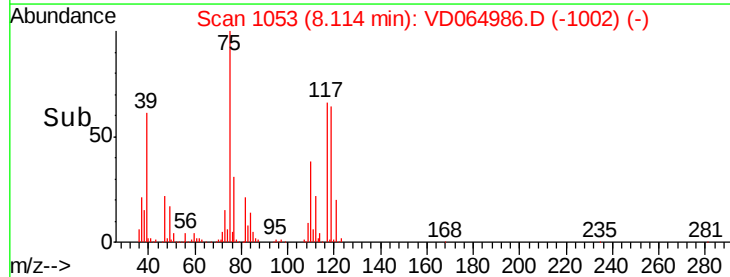
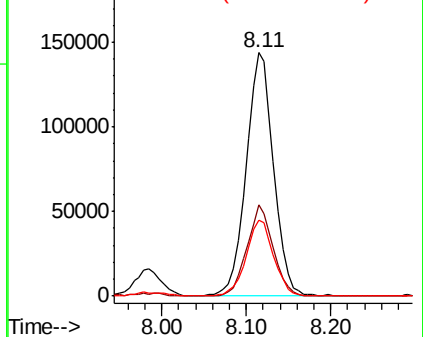
75 100

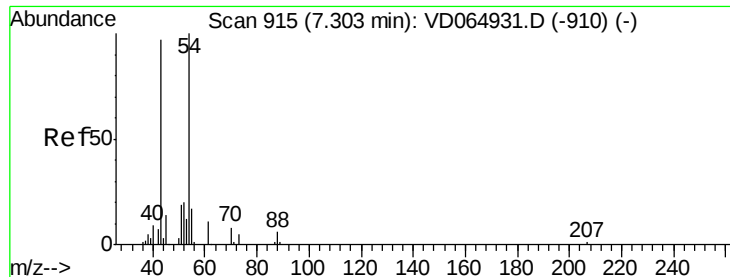
110 35.9 17.3 52.0

77 31.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

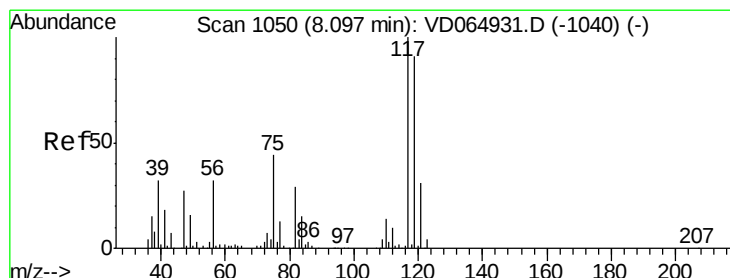
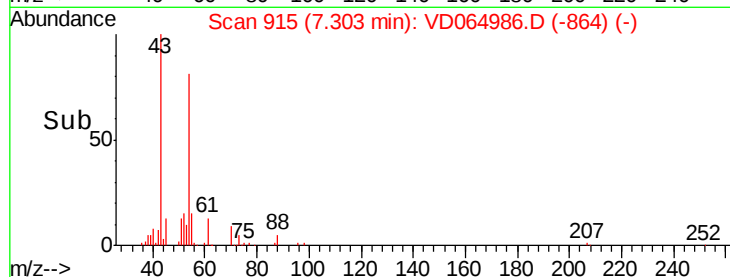
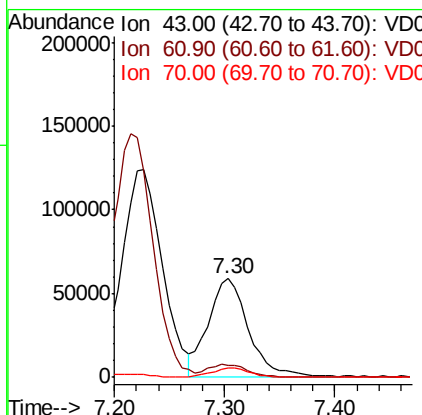
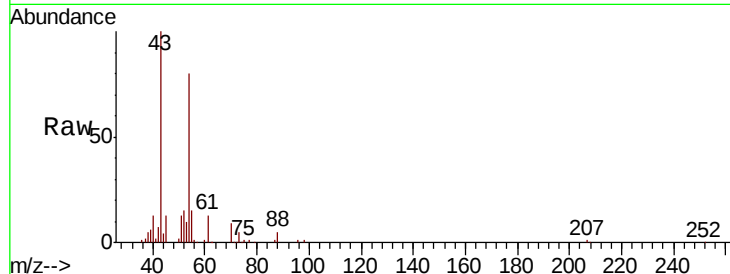




#37
Ethyl Acetate
Concen: 51.983 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

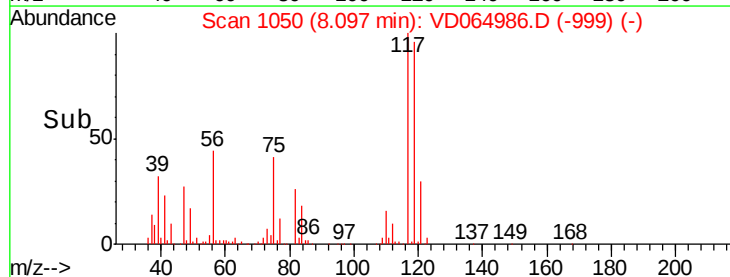
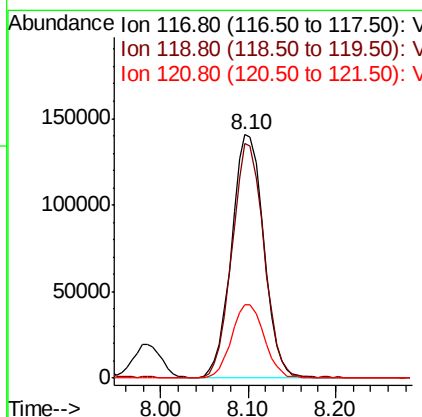
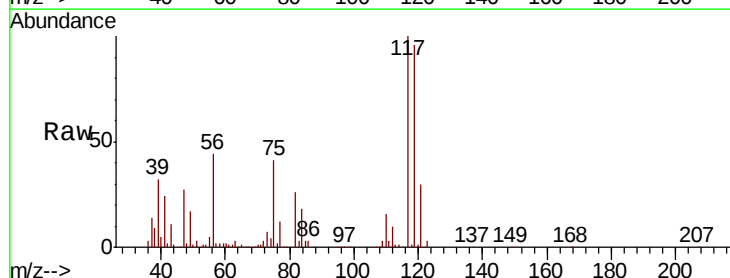
Instrument :
MSVOA_D
ClientSampleId :

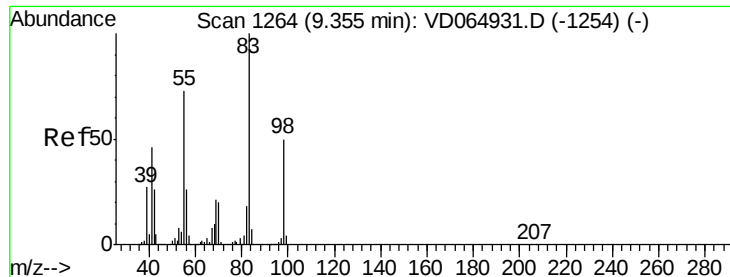
Tot Ion: 43 Resp: 147247
Ion Ratio Lower Upper
43 100
61 12.4 11.0 16.4
70 9.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 48.303 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 117 Resp: 350116
Ion Ratio Lower Upper
117 100
119 96.6 73.2 109.8
121 30.3 24.4 36.6

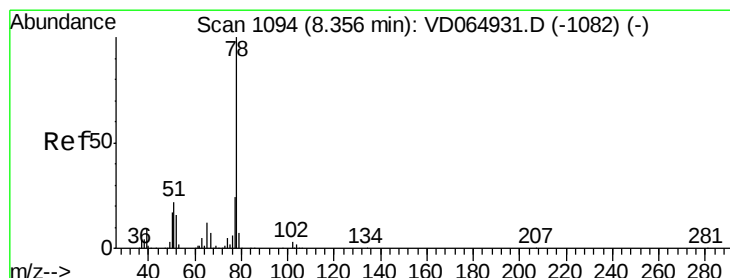
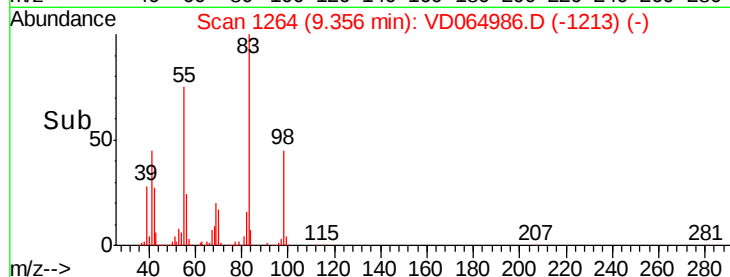
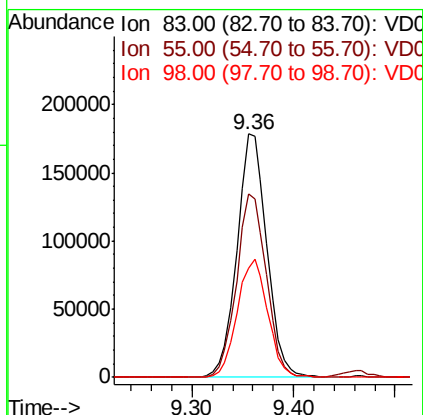
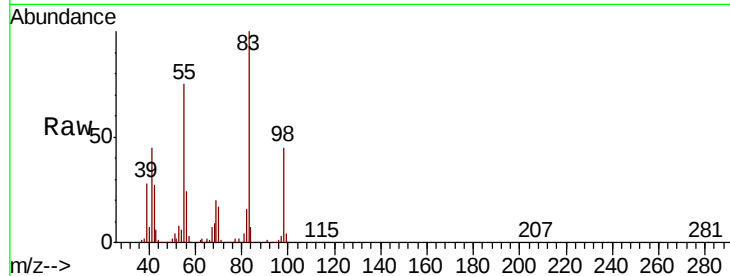




#39
Methvlcvclohexane
Concen: 45.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

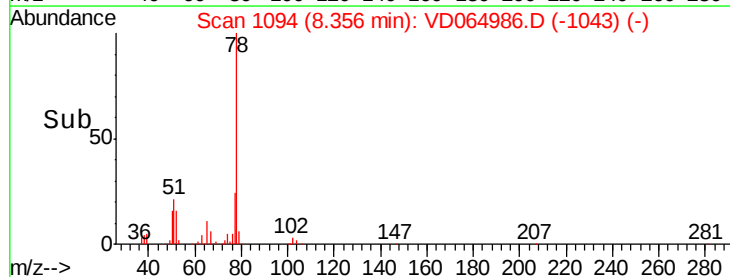
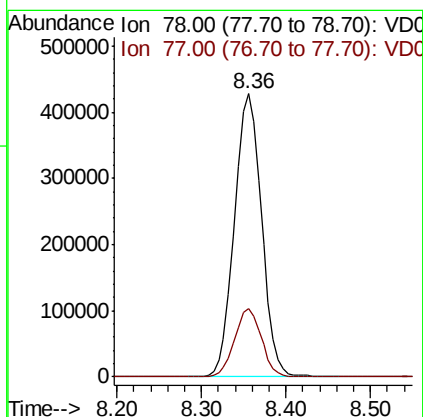
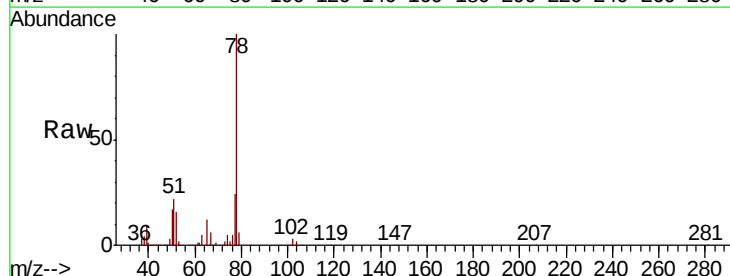
Instrument :
MSVOA_D
ClientSampleId :

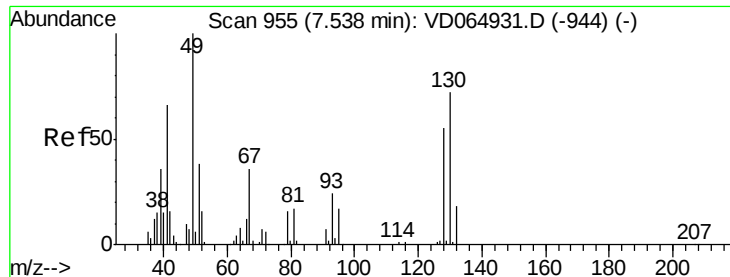
Tot Ion: 83 Resp: 364524
Ion Ratio Lower Upper
83 100
55 75.3 58.7 88.1
98 44.7 40.2 60.2



#40
Benzene
Concen: 50.354 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 78 Resp: 951046
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 133.445 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 203627

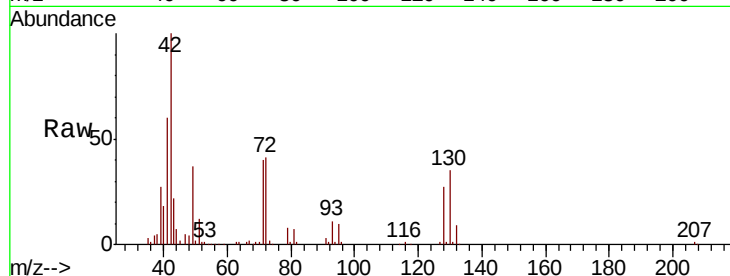
Ion Ratio Lower Upper

41 100

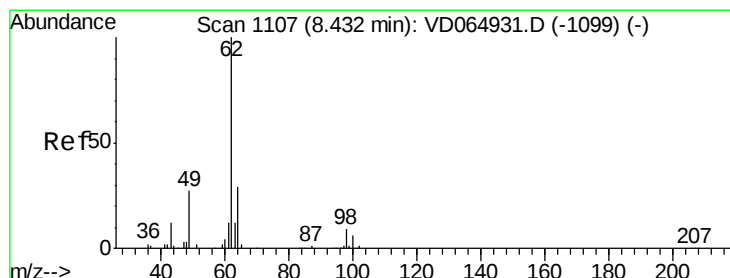
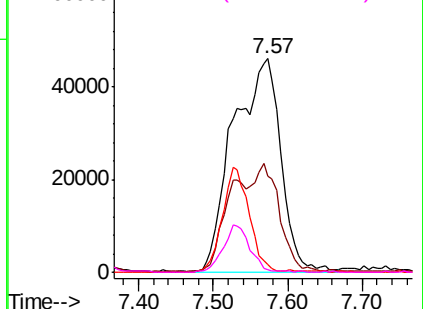
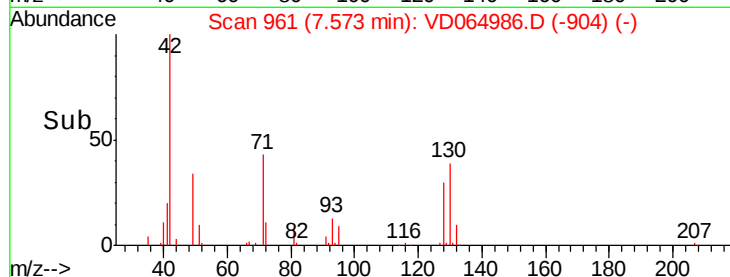
39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#



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



#42

1,2-Dichloroethane

Concen: 50.454 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064986.D

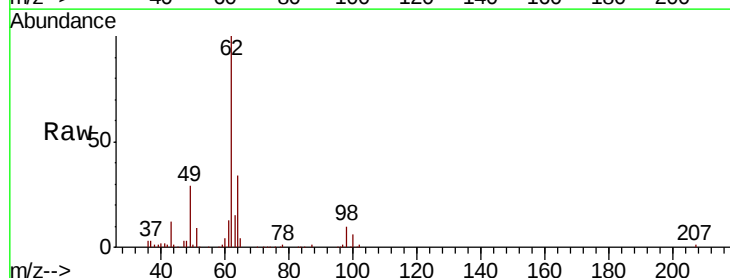
Acq: 28 Jan 2020 19:44

Tgt Ion: 62 Resp: 283862

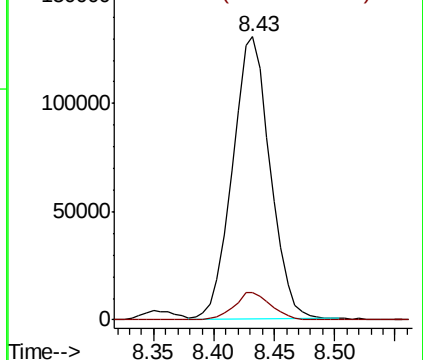
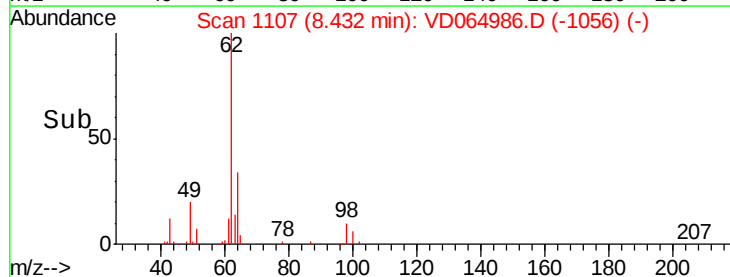
Ion Ratio Lower Upper

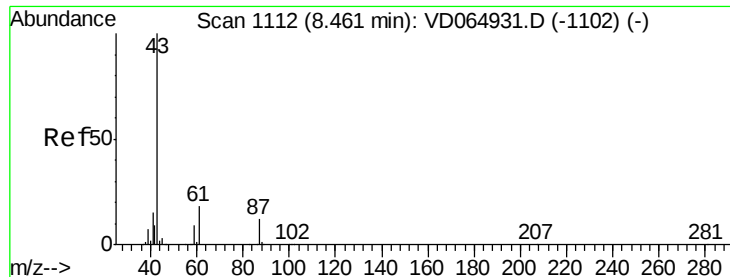
62 100

98 9.5 0.0 17.8



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



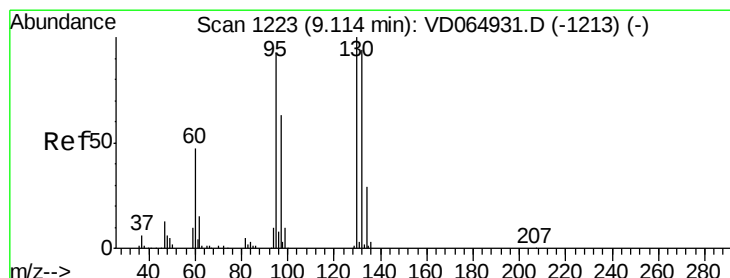
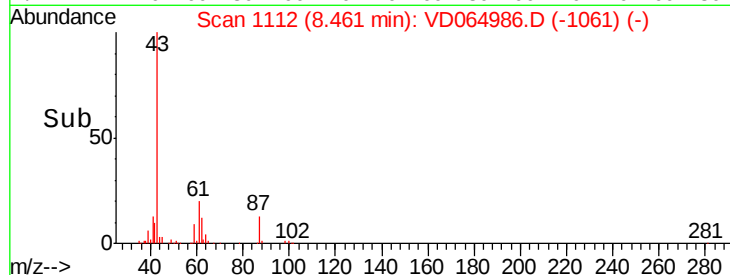
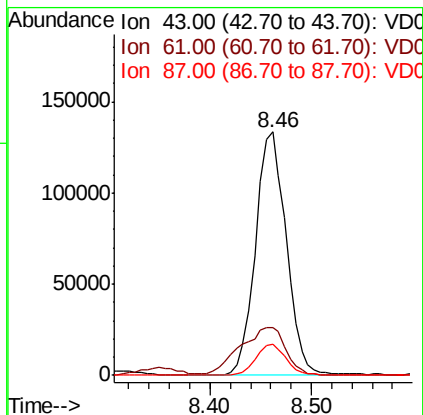
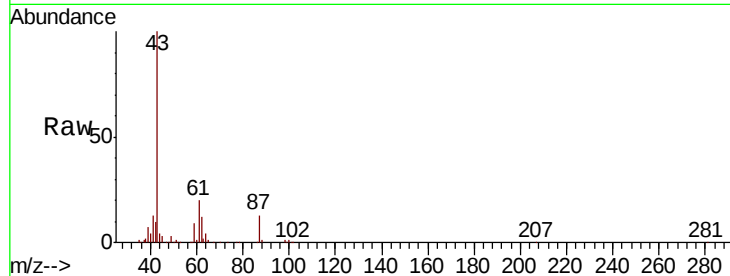


#43

Isopropyl Acetate
 Concen: 52.217 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

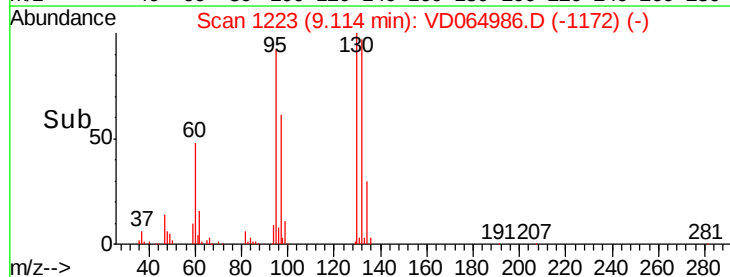
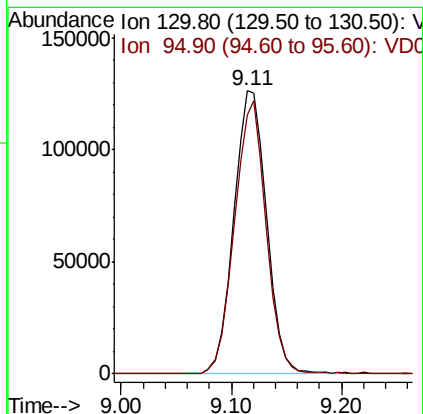
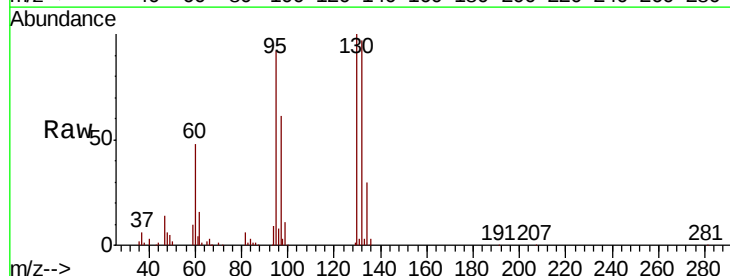
Tot Ion	43	Resp	280963
Ion Ratio	Lower	Upper	
43	100		
61	28.7	23.8	35.6
87	12.6	10.3	15.5

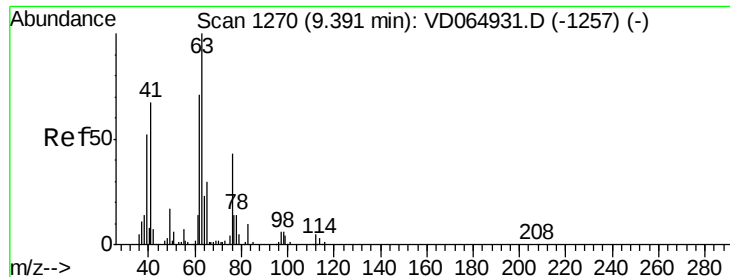


#44

Trichloroethene
 Concen: 49.835 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	130	Resp	263426
Ion Ratio	Lower	Upper	
130	100		
95	91.6	0.0	185.8





#45

1,2-Dichloropropane

Concen: 50.111 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

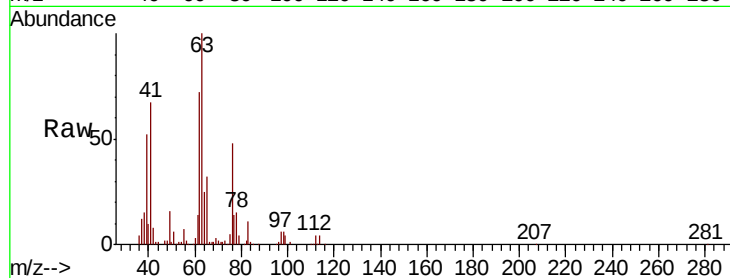
ClientSampleId :

Tot Ion: 63 Resp: 229440

Ion Ratio Lower Upper

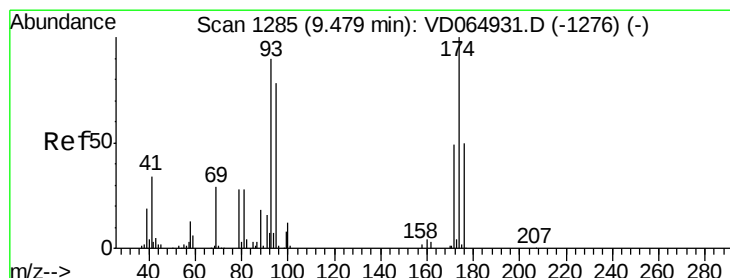
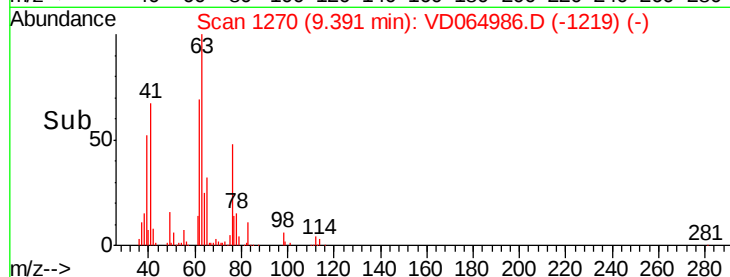
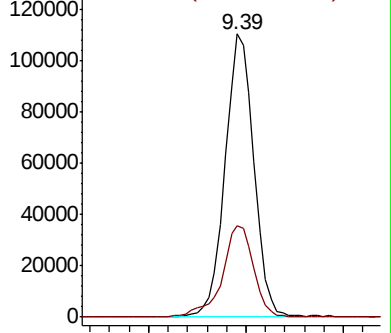
63 100

65 32.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.105 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

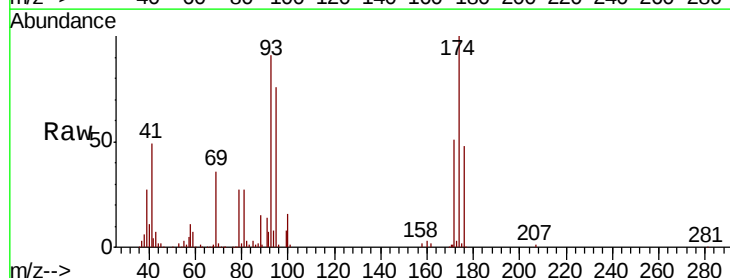
Tgt Ion: 93 Resp: 125250

Ion Ratio Lower Upper

93 100

95 84.5 67.5 101.3

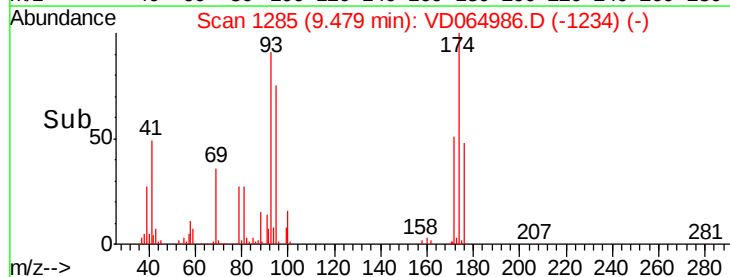
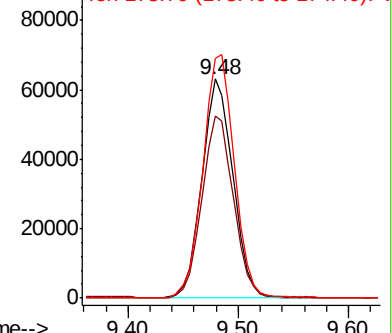
174 112.6 88.4 132.6

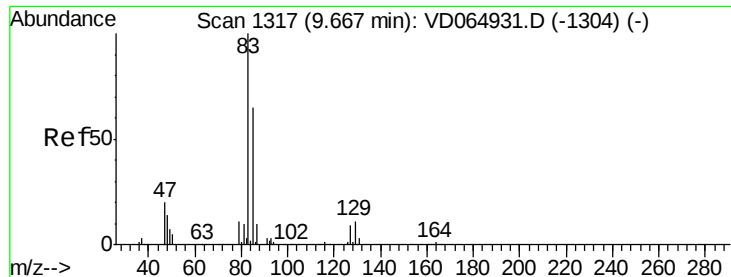


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.419 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

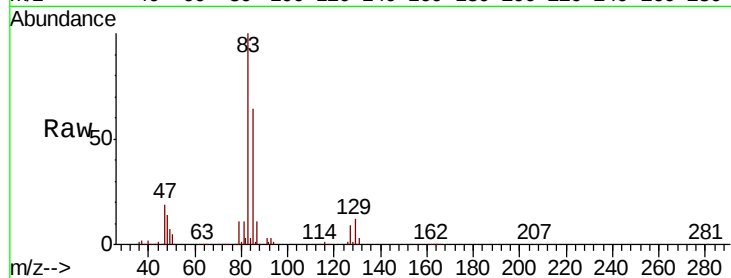
Tot Ion: 83 Resp: 340965

Ion Ratio Lower Upper

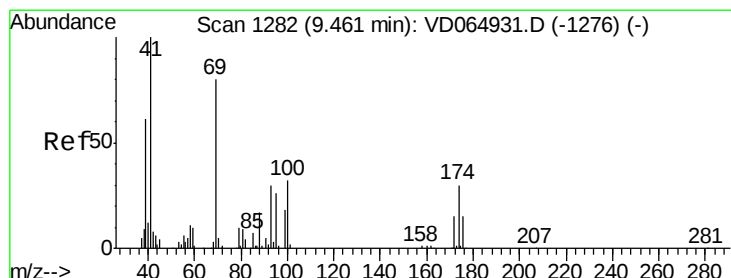
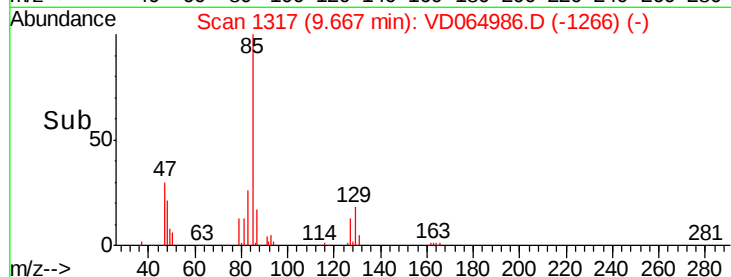
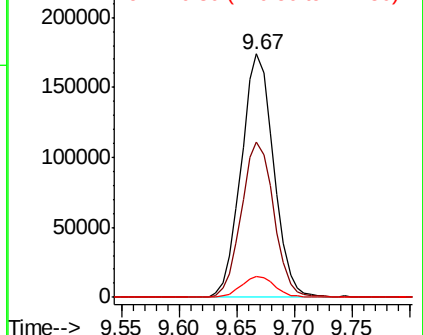
83 100

85 64.0 52.0 78.0

127 8.5 7.3 10.9



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



#48

Methyl methacrylate

Concen: 53.066 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

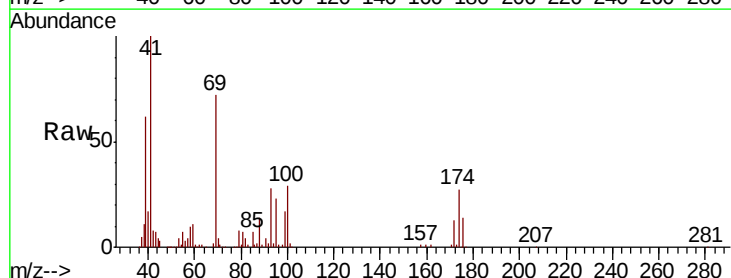
Tgt Ion: 41 Resp: 131396

Ion Ratio Lower Upper

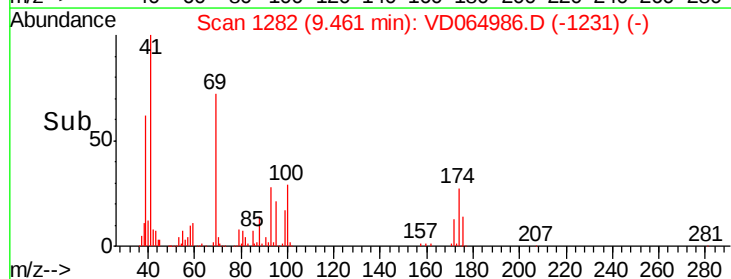
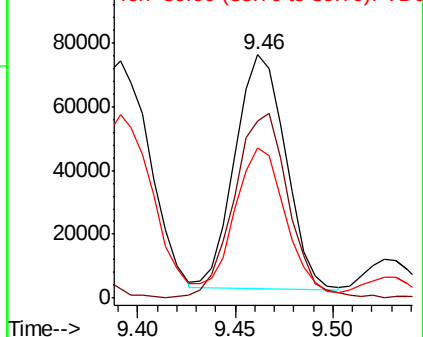
41 100

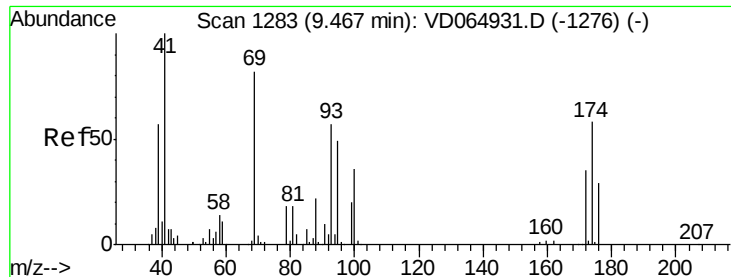
69 84.3 65.8 98.8

39 65.7 49.4 74.0



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

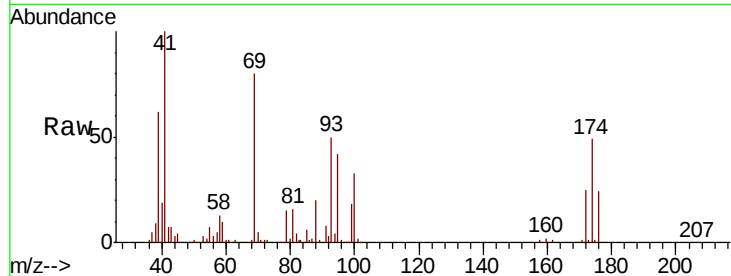




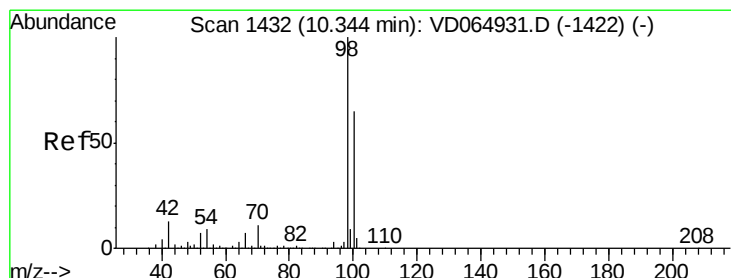
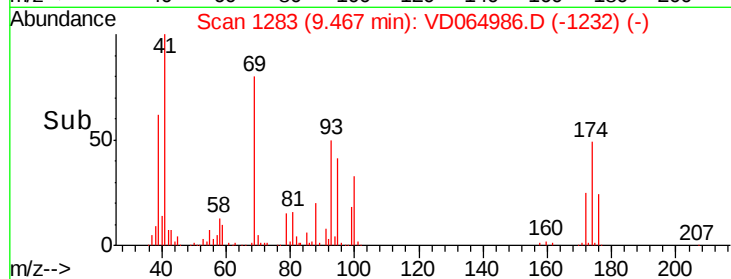
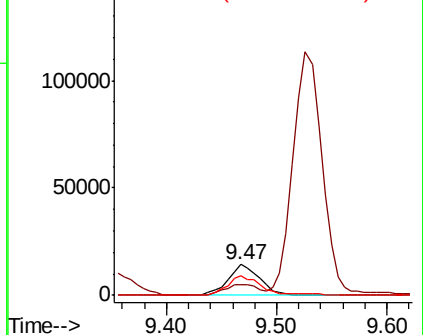
#49
1,4-Dioxane
Concen: 997.356 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 28915
Ion Ratio Lower Upper
88 100
43 35.4 26.2 39.4
58 65.5 50.3 75.5

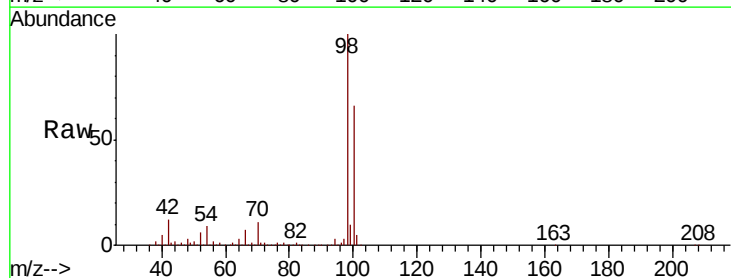


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

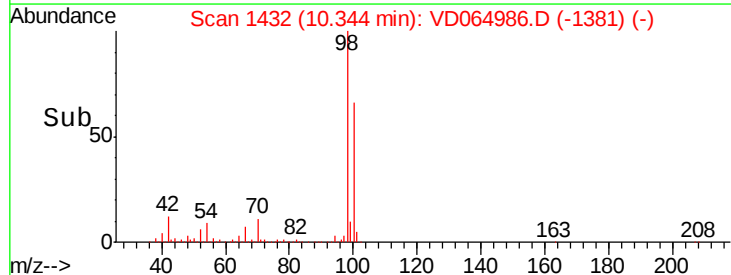
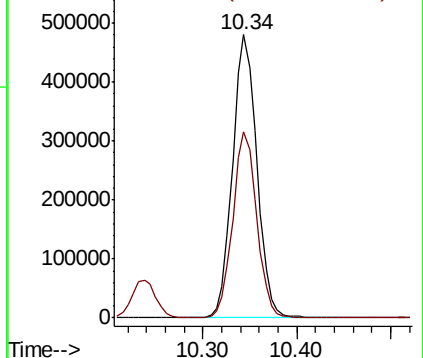


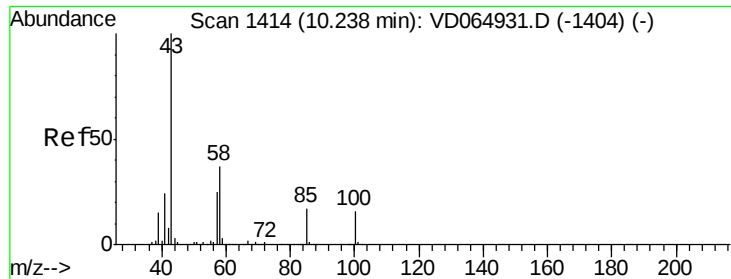
#50
Toluene-d8
Concen: 49.960 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 98 Resp: 861756
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 262.590 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

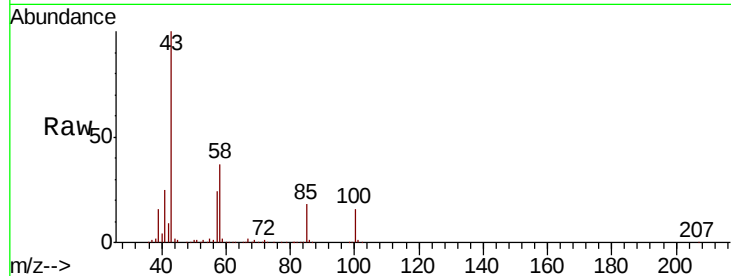
ClientSampleId :

Tot Ion: 43 Resp: 706967

Ion Ratio Lower Upper

43 100

58 37.8 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

400000

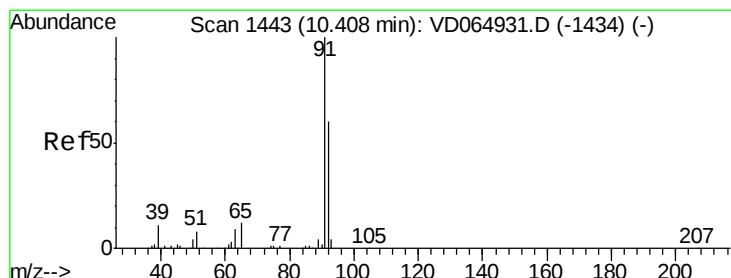
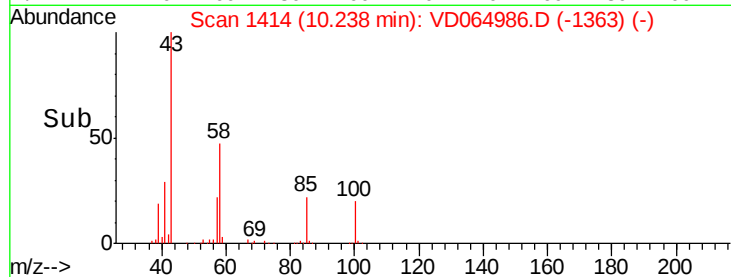
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.285 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064986.D

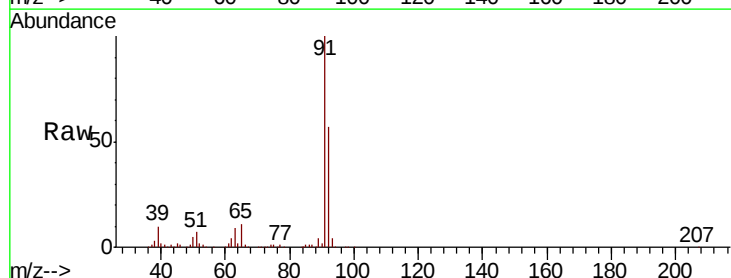
Acq: 28 Jan 2020 19:44

Tgt Ion: 92 Resp: 612320

Ion Ratio Lower Upper

92 100

91 172.8 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

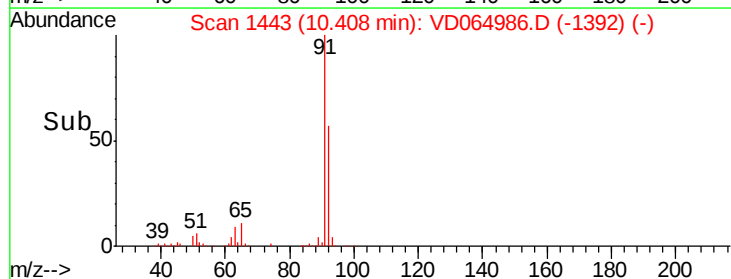
600000

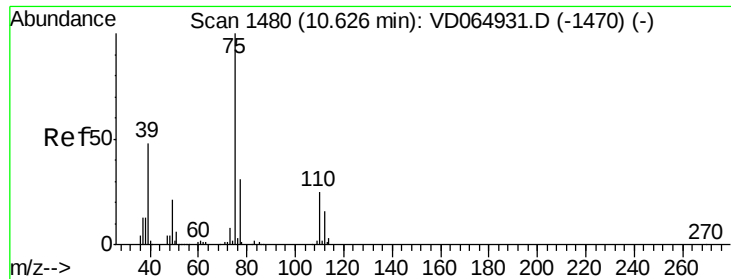
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.015 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

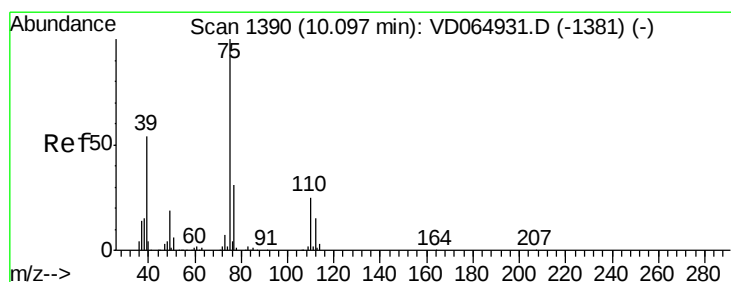
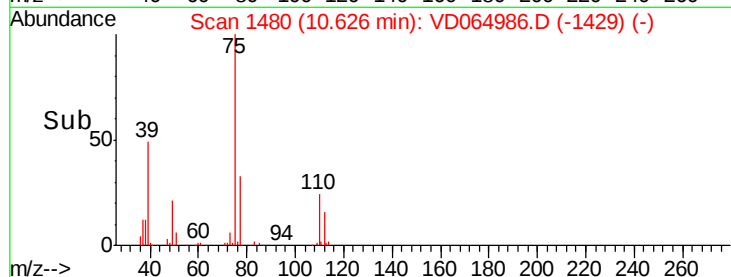
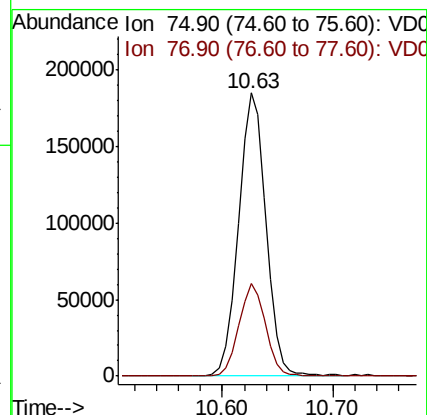
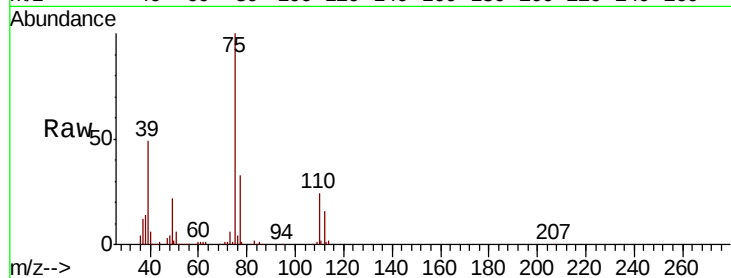
ClientSampleId :

Tot Ion: 75 Resp: 322285

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 52.011 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

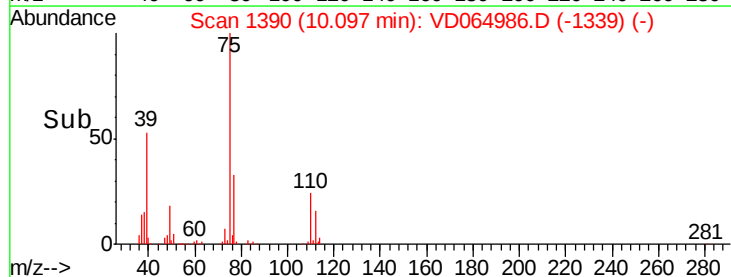
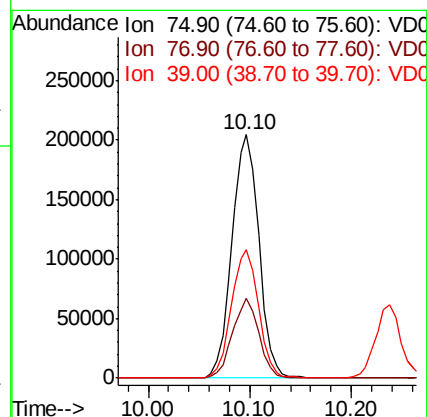
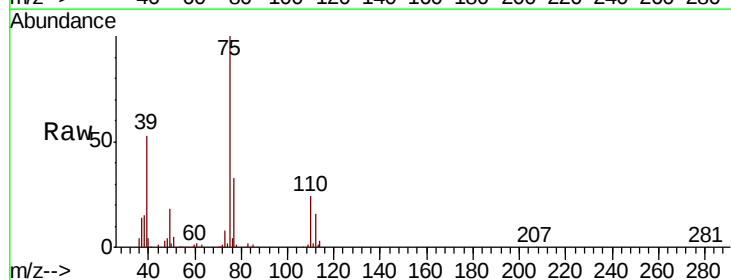
Tgt Ion: 75 Resp: 377307

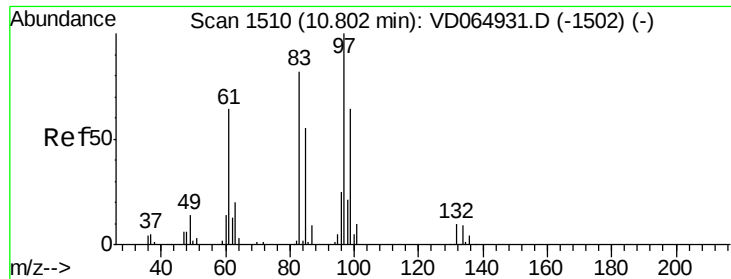
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 52.5 43.0 64.6

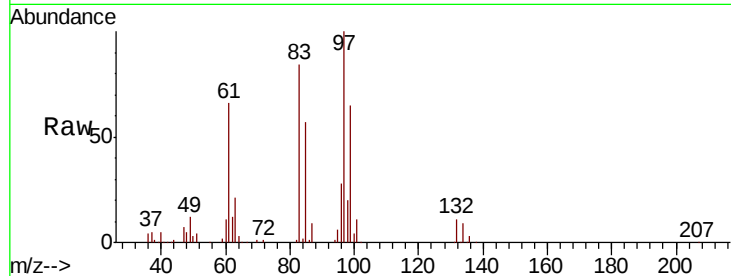




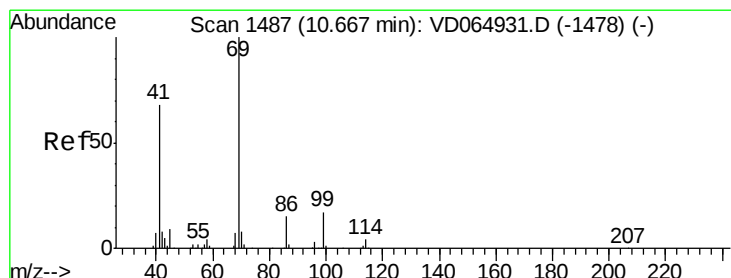
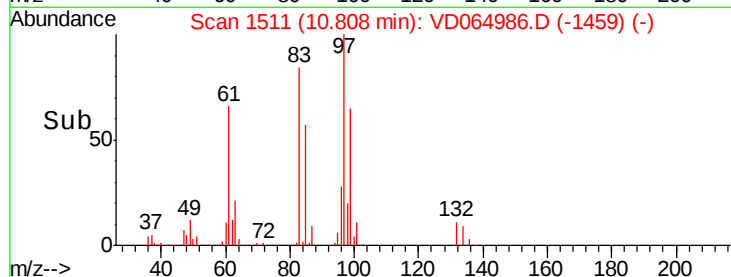
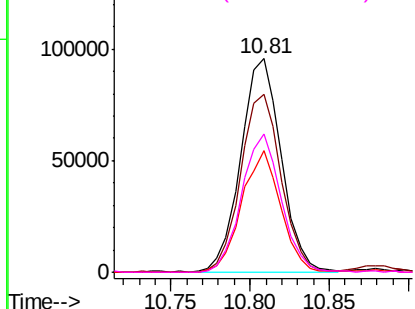
#55
 1,1,2-Trichloroethane
 Concen: 50.344 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	169516
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.0	99.0
85	57.2	44.4	66.6
99	64.8	51.4	77.0

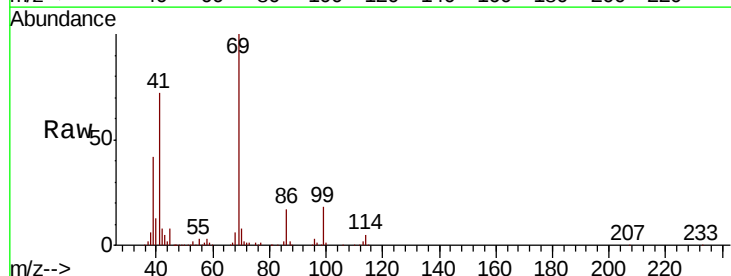


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

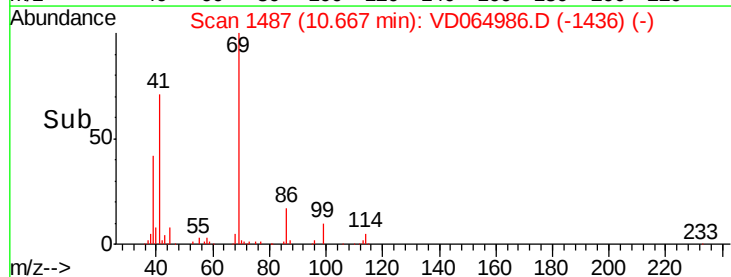
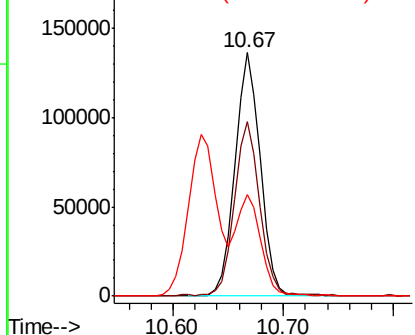


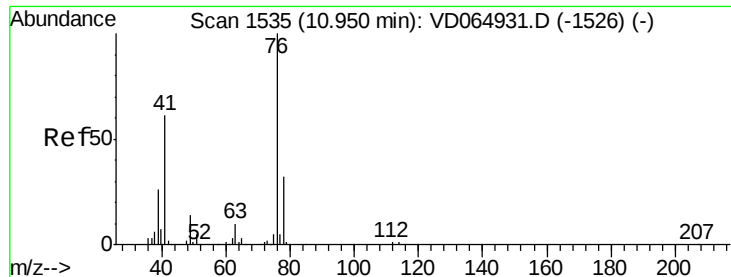
#56
 Ethyl methacrylate
 Concen: 54.786 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion:	69	Resp:	220600
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.4	84.6
39	39.9	30.6	46.0



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





#57

1,3-Dichloropropane

Concen: 51.543 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

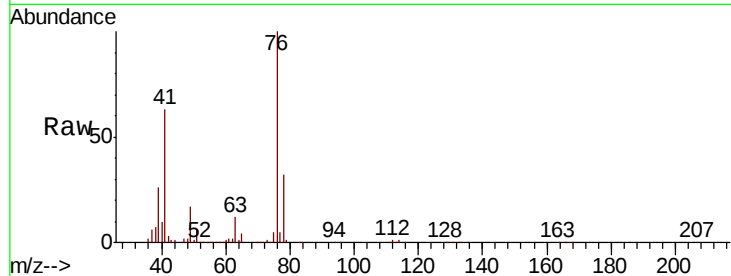
ClientSampleId :

Tot Ion: 76 Resp: 297672

Ion Ratio Lower Upper

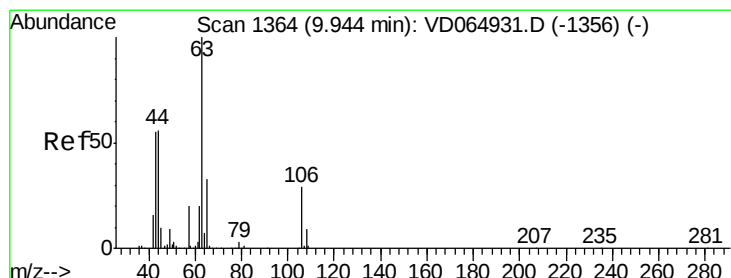
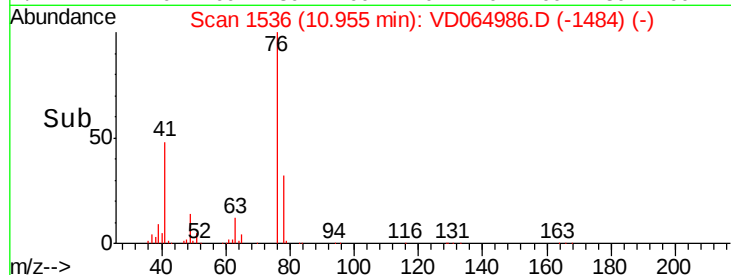
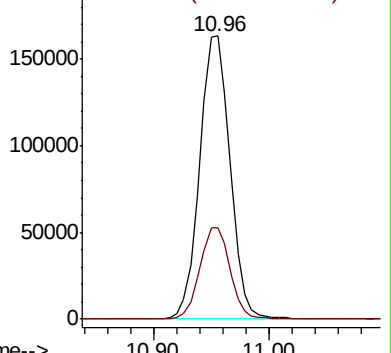
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 248.936 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064986.D

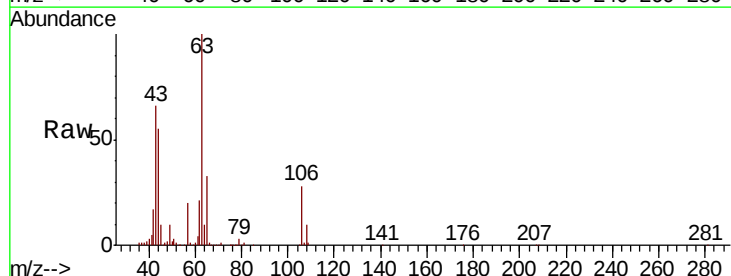
Acq: 28 Jan 2020 19:44

Tgt Ion: 63 Resp: 333005

Ion Ratio Lower Upper

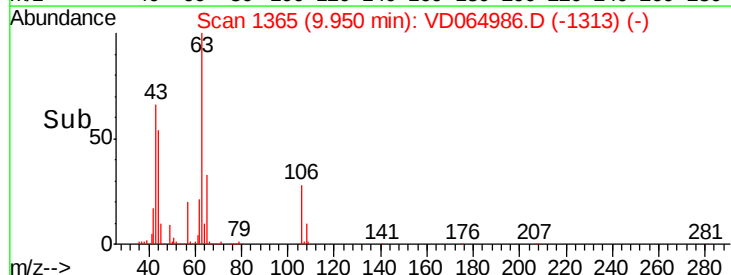
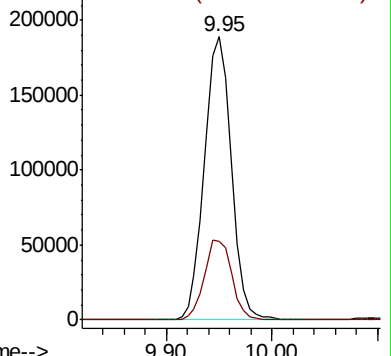
63 100

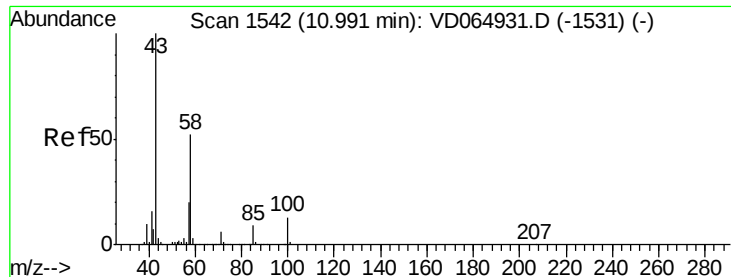
106 28.9 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

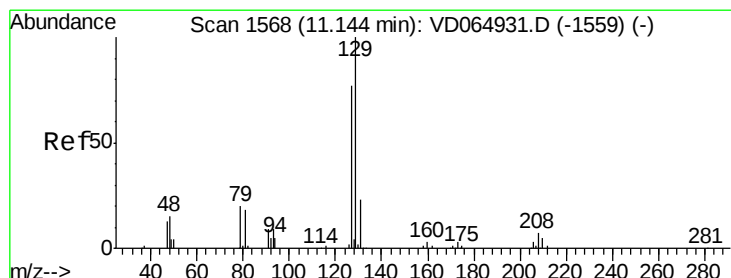
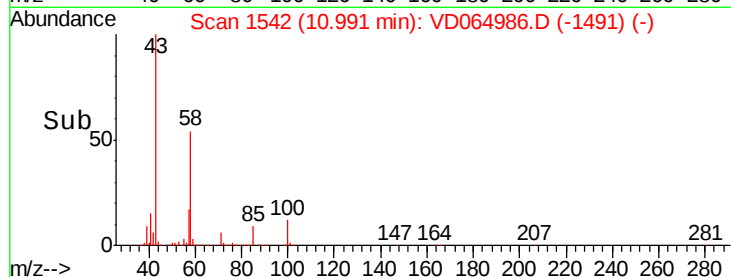
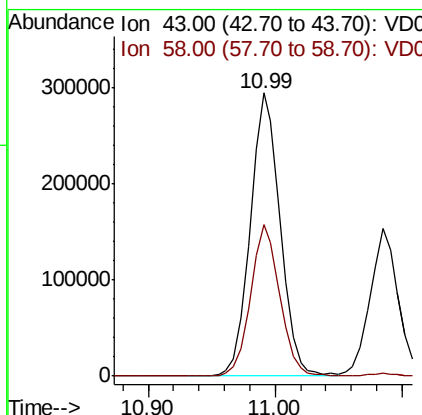
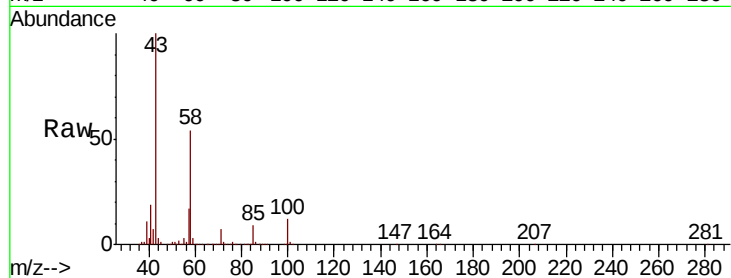




#59
2-Hexanone
Concen: 261.172 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

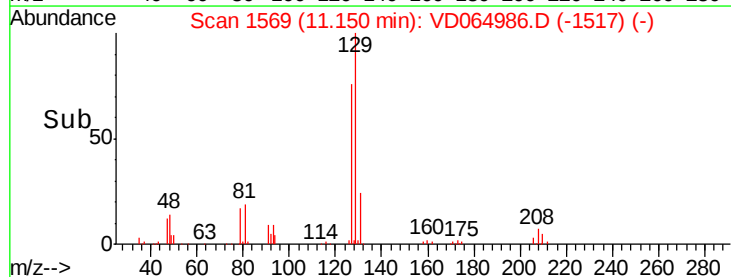
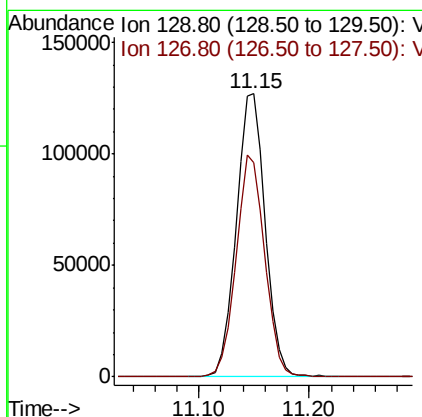
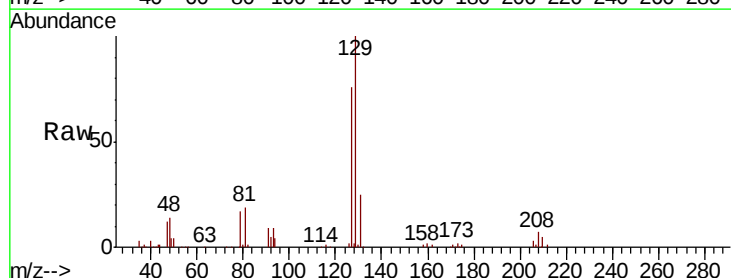
Instrument :
MSVOA_D
ClientSampleId :

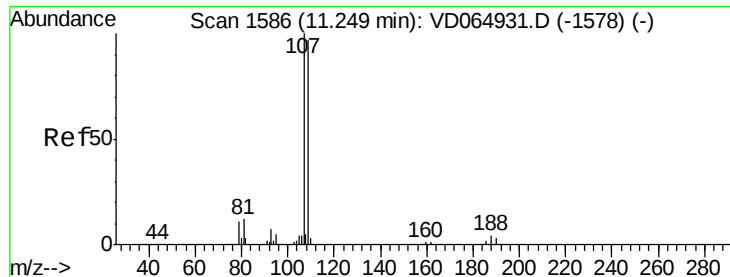
Tot Ion: 43 Resp: 485012
Ion Ratio Lower Upper
43 100
58 52.5 26.5 79.4



#60
Dibromochloromethane
Concen: 51.955 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 129 Resp: 233819
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6

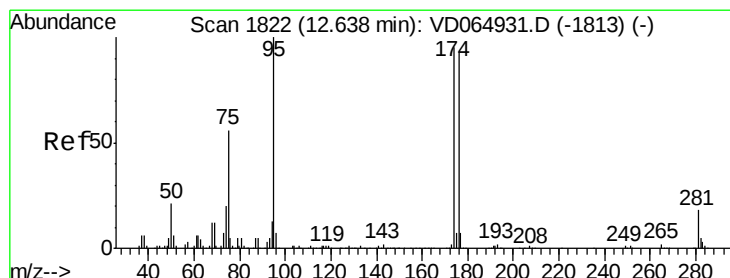
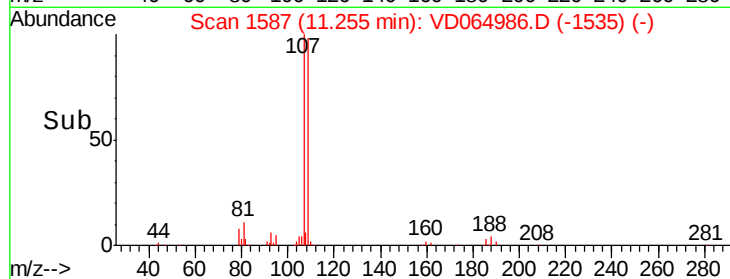
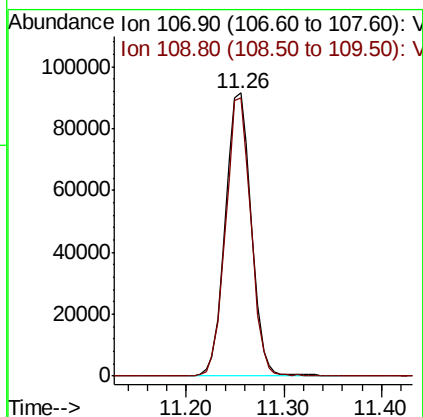
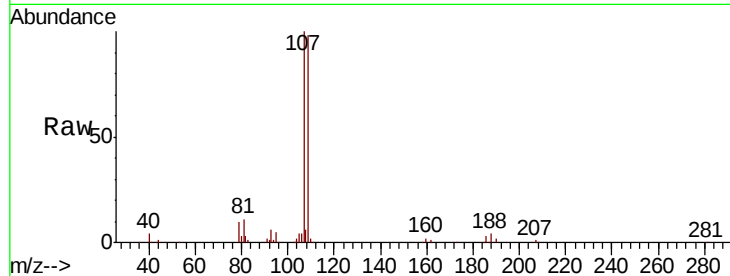




#61
 1,2-Dibromoethane
 Concen: 52.077 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

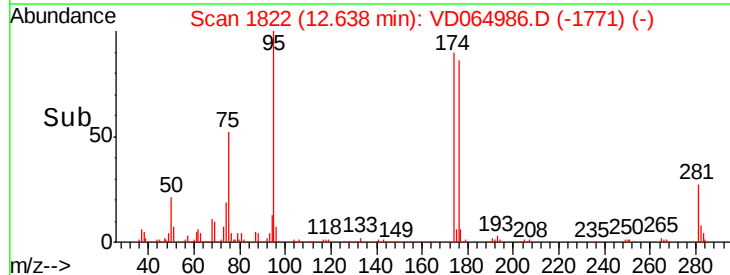
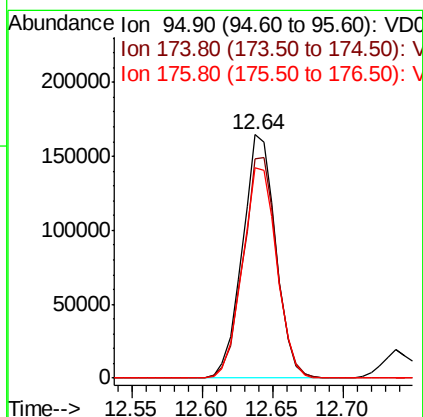
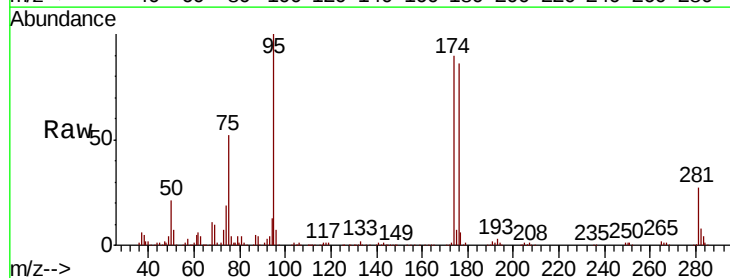
Instrument :
 MSVOA_D
 ClientSampled :

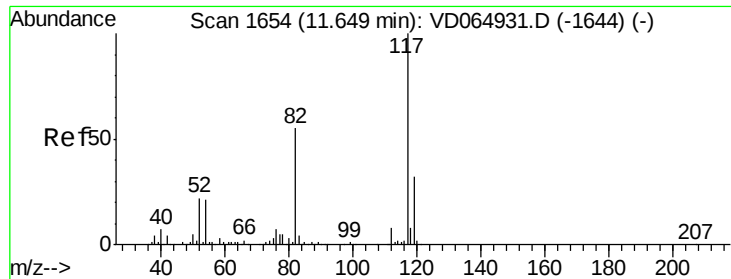
Tot Ion:107 Resp: 168844
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 51.476 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion: 95 Resp: 271720
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 186.8
 176 89.3 0.0 183.4

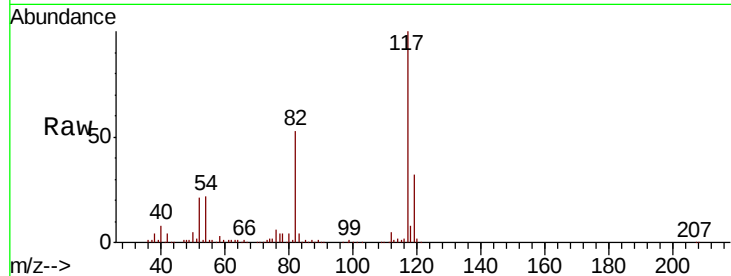




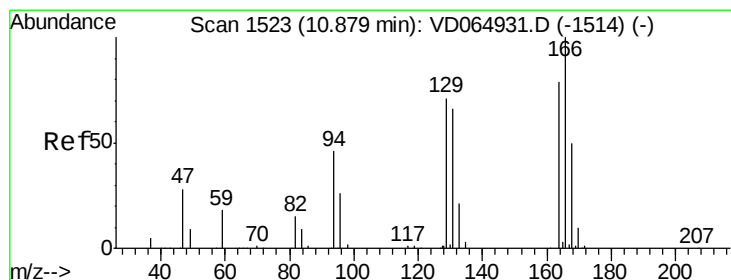
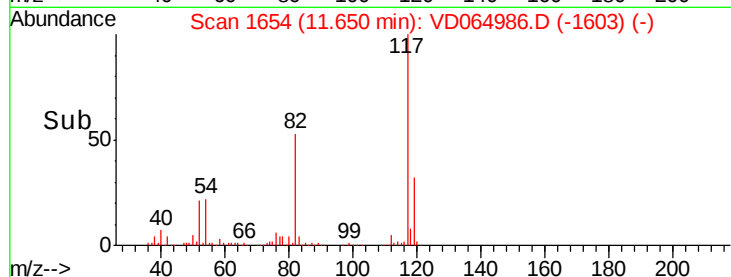
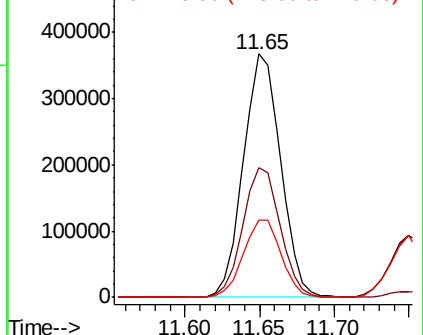
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 633989
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.7 25.2 37.8

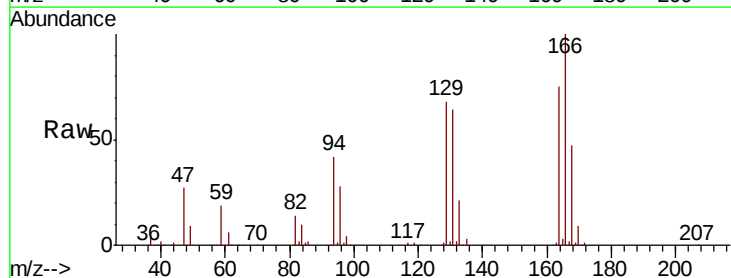


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

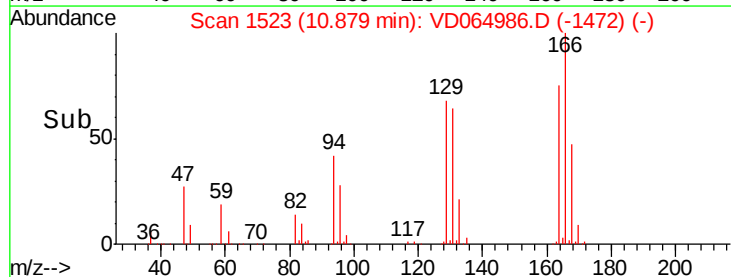
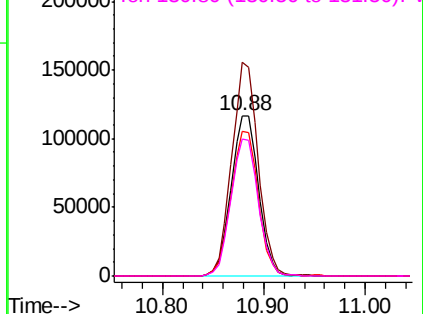


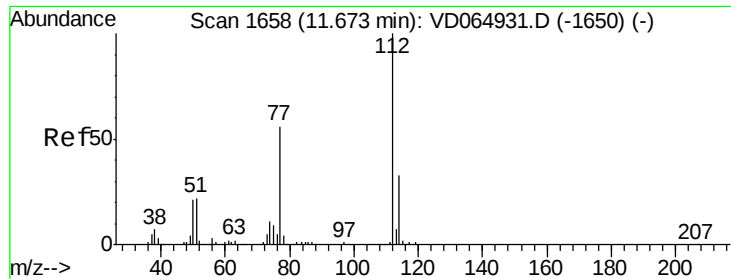
#64
Tetrachloroethene
Concen: 47.938 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:164 Resp: 219622
Ion Ratio Lower Upper
164 100
166 133.2 101.4 152.2
129 90.1 71.8 107.8
131 85.6 66.8 100.2



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

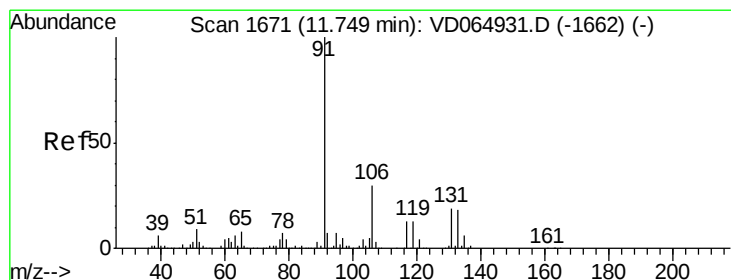
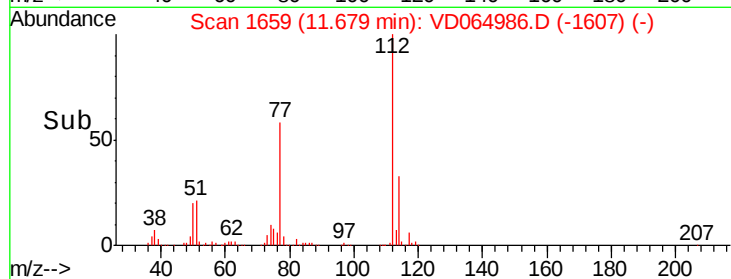
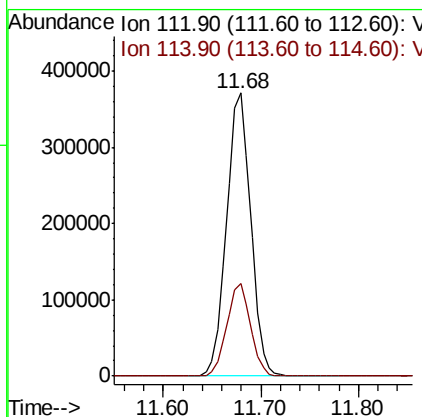
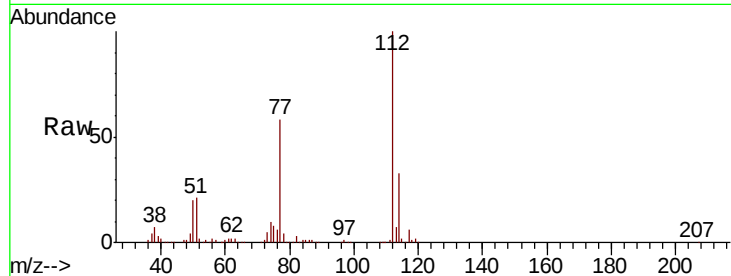




#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

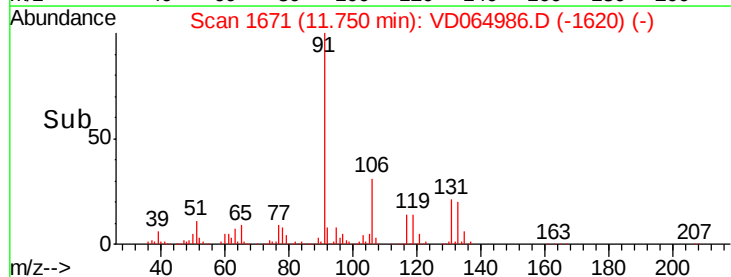
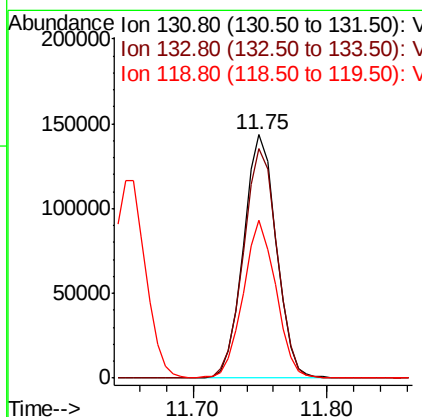
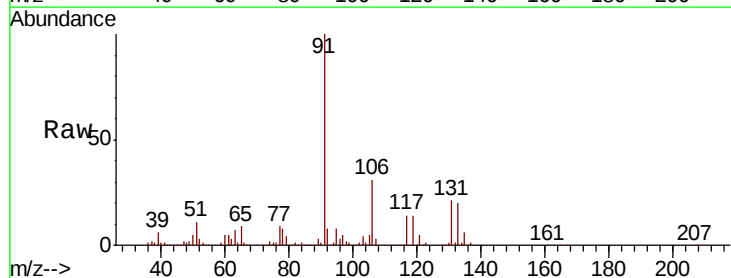
Instrument :
MSVOA_D
ClientSampleId :

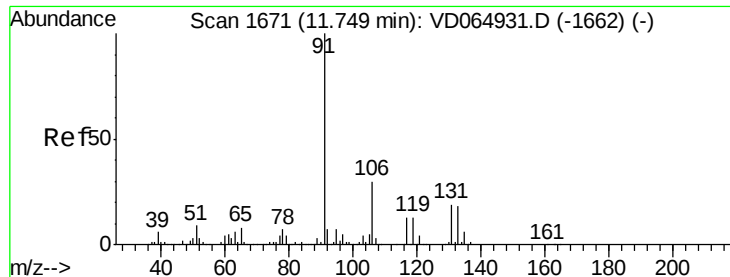
Tot Ion:112 Resp: 638943
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.280 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:131 Resp: 243407
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.5
119 64.7 31.1 93.5

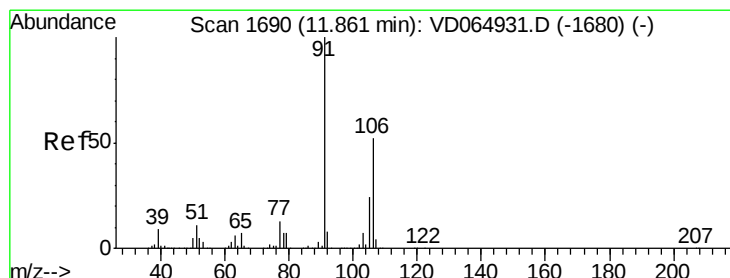
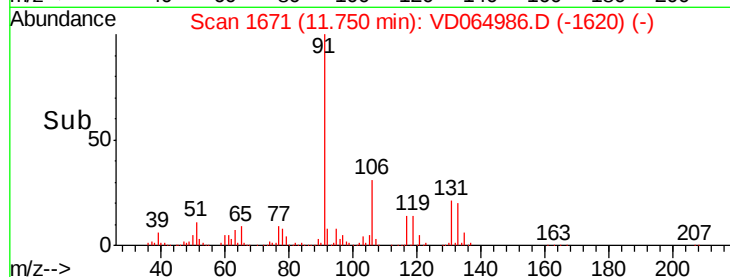
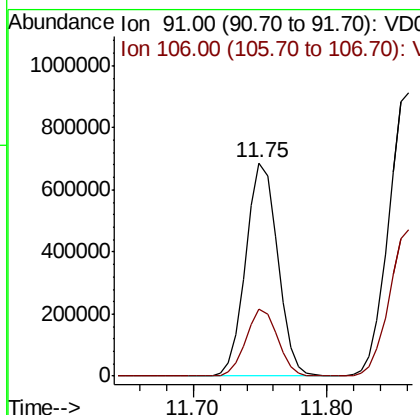
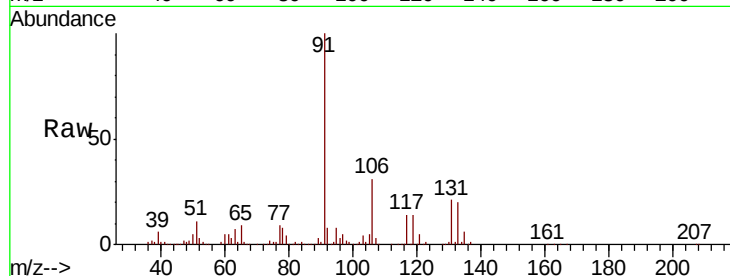




#67
Ethyl Benzene
Concen: 49.597 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

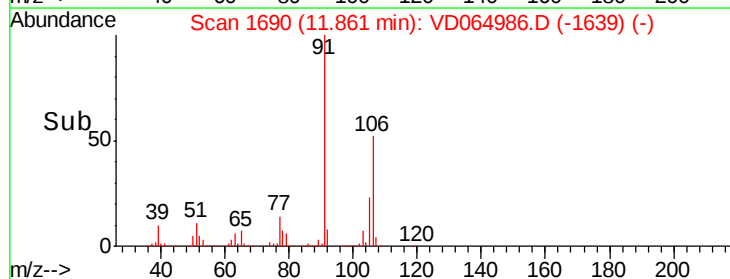
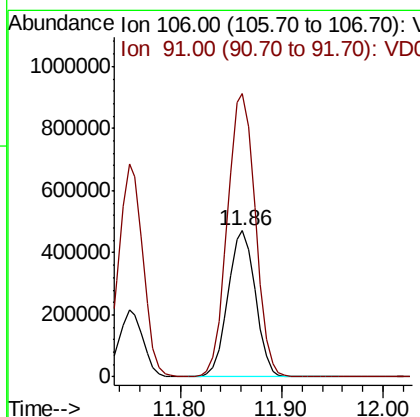
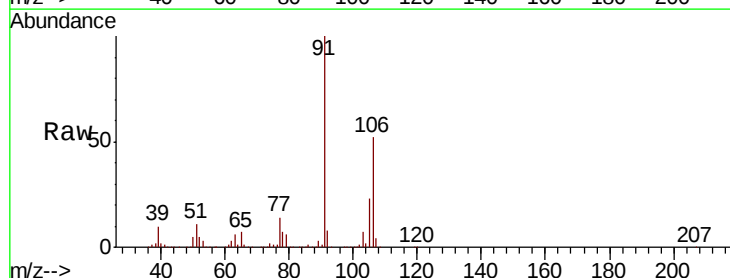
Instrument :
MSVOA_D
ClientSampleId :

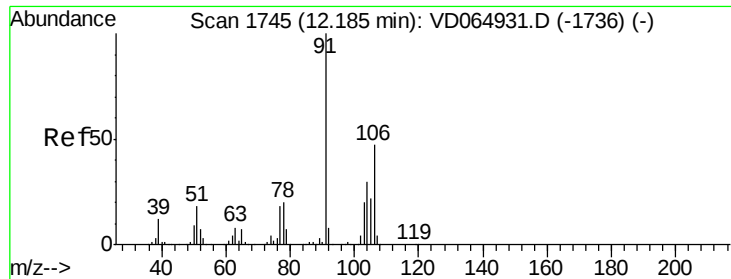
Tot Ion: 91 Resp: 1133428
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5



#68
m/p-Xylenes
Concen: 100.293 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion: 106 Resp: 882463
Ion Ratio Lower Upper
106 100
91 198.3 159.0 238.4

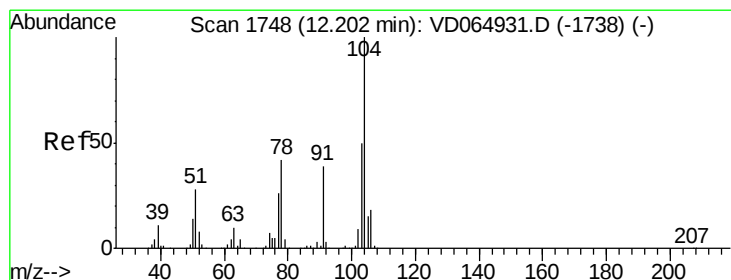
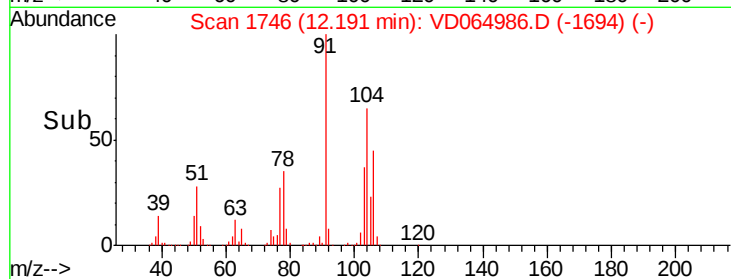
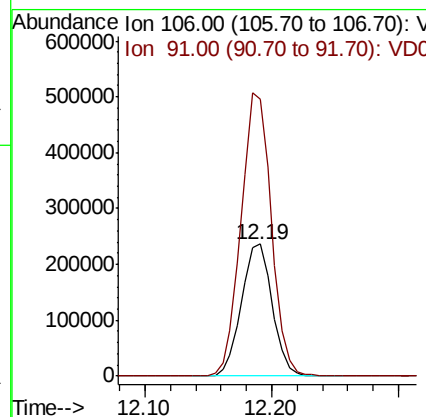
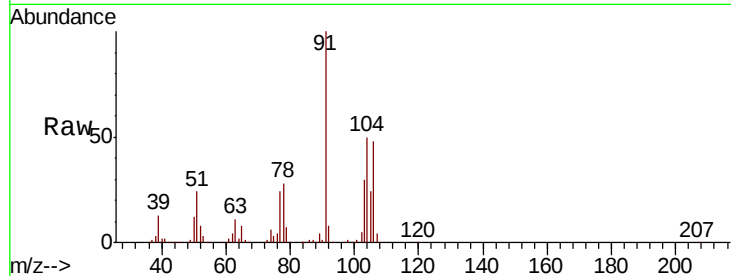




#69
o-Xylene
Concen: 50.883 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

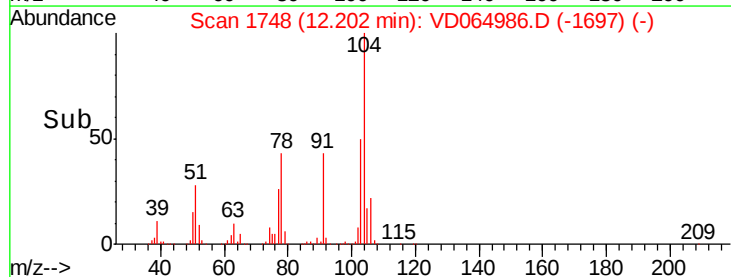
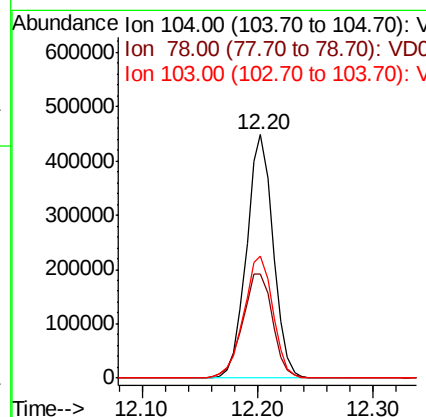
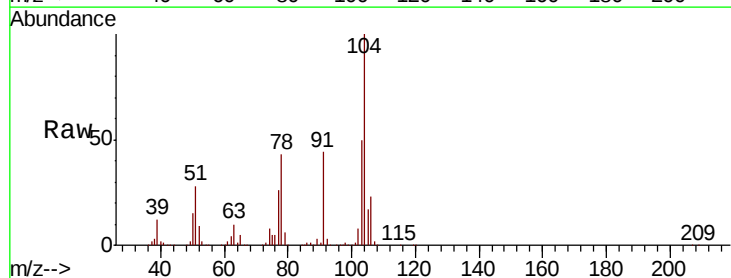
Instrument :
MSVOA_D
ClientSampled :

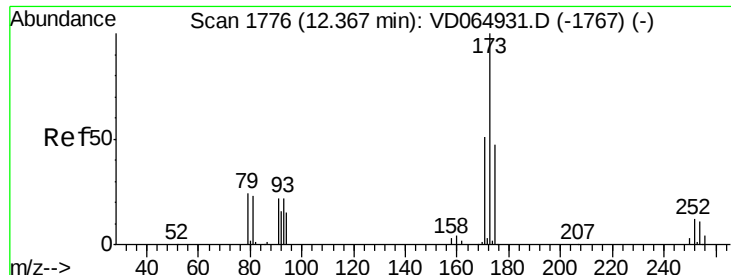
Tot Ion:106 Resp: 397350
Ion Ratio Lower Upper
106 100
91 211.4 106.7 319.9



#70
Styrene
Concen: 51.629 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:104 Resp: 718204
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 54.9 43.5 65.3

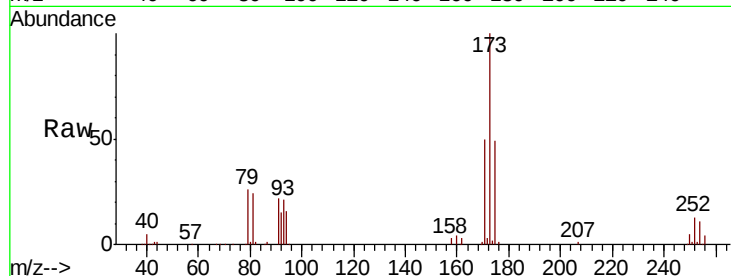




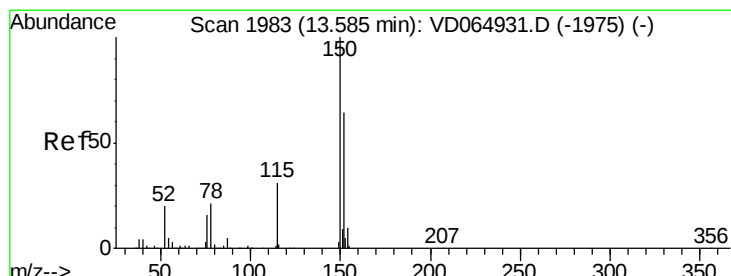
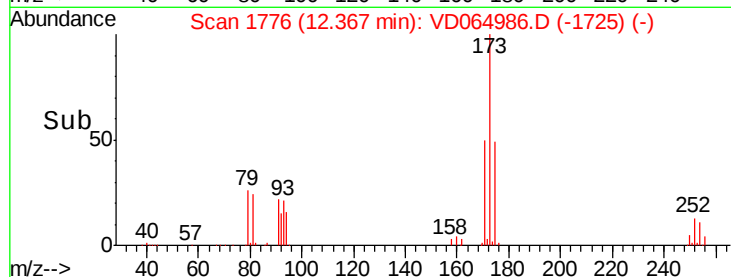
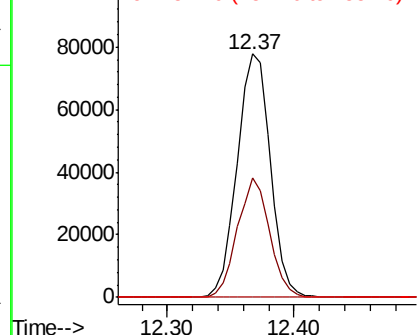
#71
Bromoform
Concen: 52.264 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 140646
Ion Ratio Lower Upper
173 100
175 47.5 24.6 73.8
254 0.2 0.1 0.1#

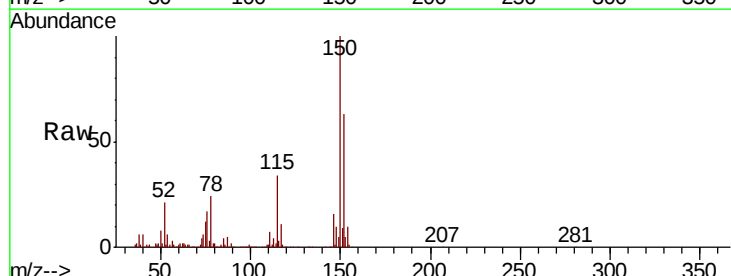


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

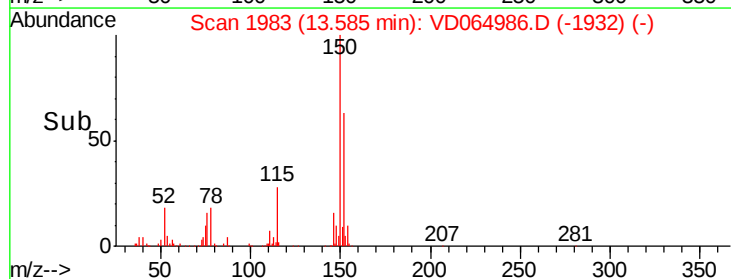
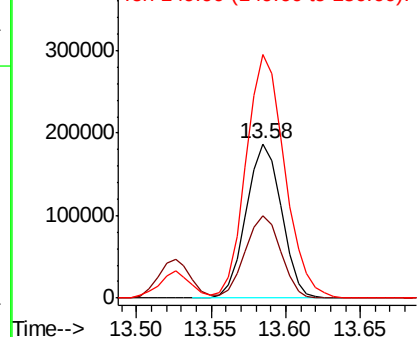


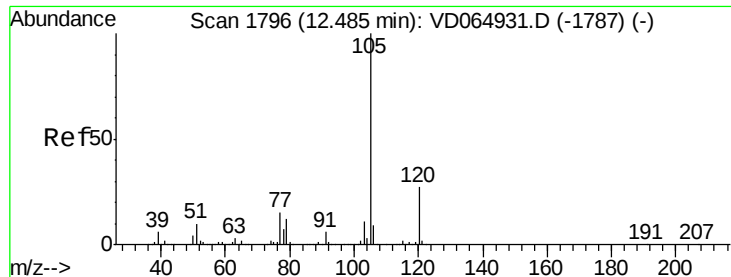
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:152 Resp: 306550
Ion Ratio Lower Upper
152 100
115 54.0 28.1 84.4
150 172.0 0.0 350.4



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: 49.144 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

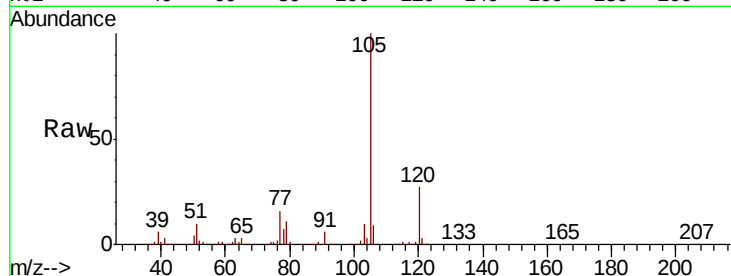
ClientSampleId :

Tot Ion:105 Resp: 1029676

Ion Ratio Lower Upper

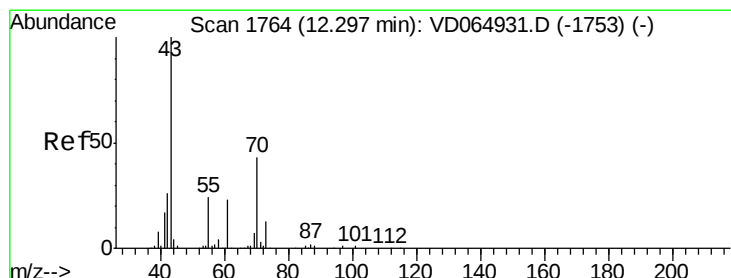
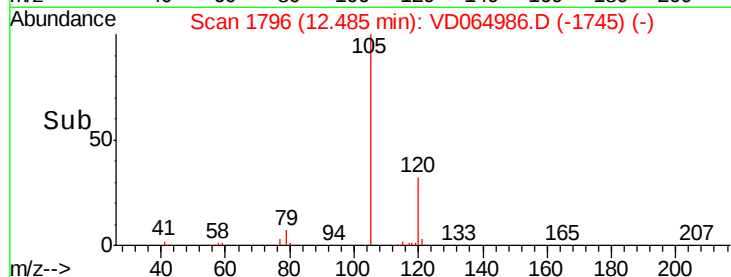
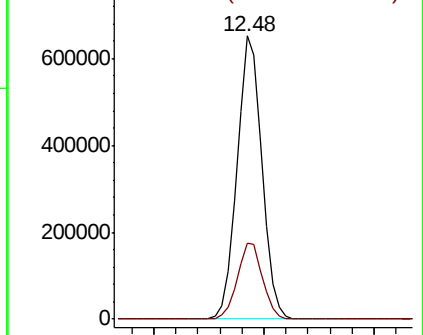
105 100

120 27.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.736 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Tgt Ion: 43 Resp: 256628

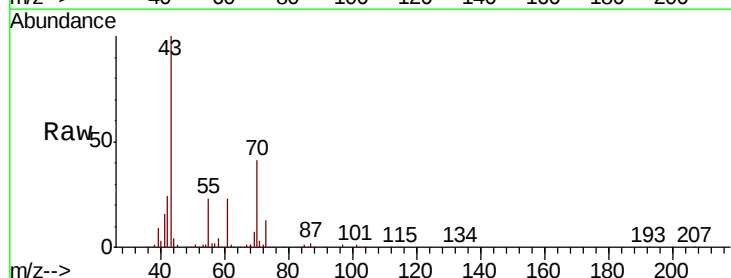
Ion Ratio Lower Upper

43 100

70 40.7 32.6 49.0

55 23.4 19.9 29.9

61 22.8 18.3 27.5

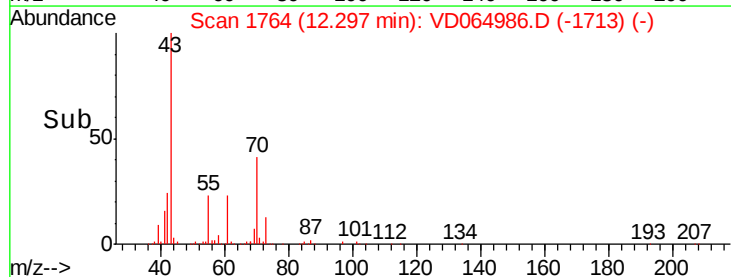
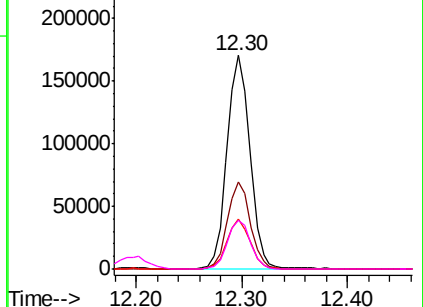


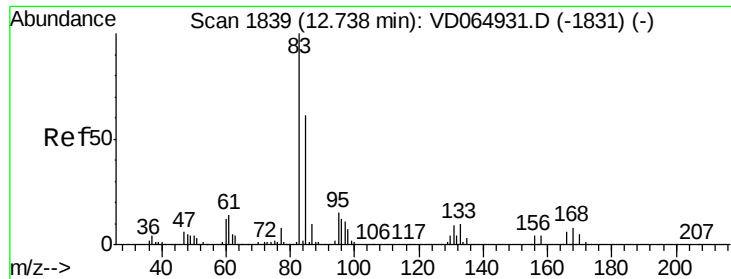
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.010 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampled :

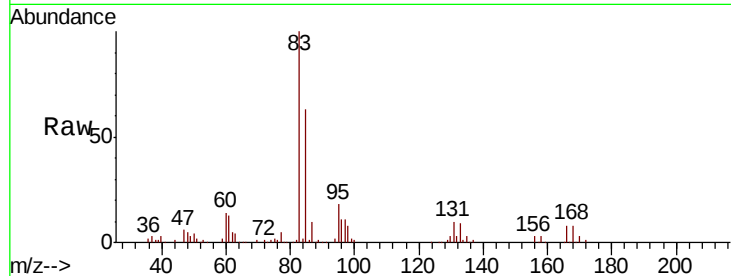
Tot Ion: 83 Resp: 179633

Ion Ratio Lower Upper

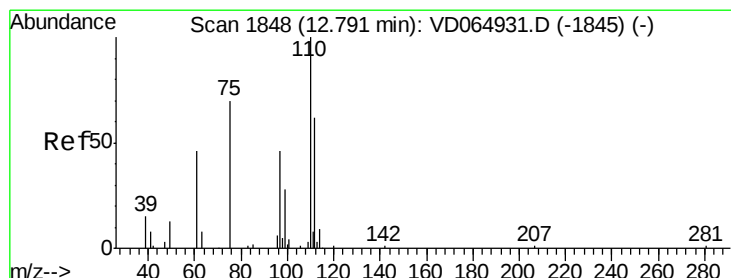
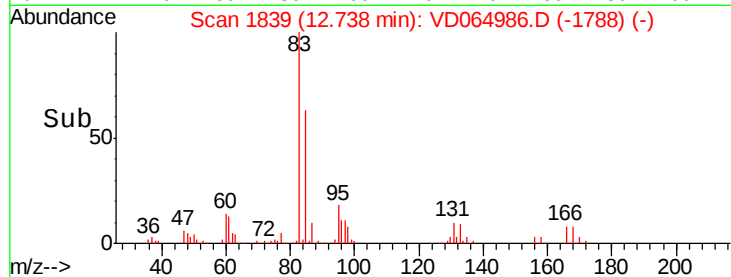
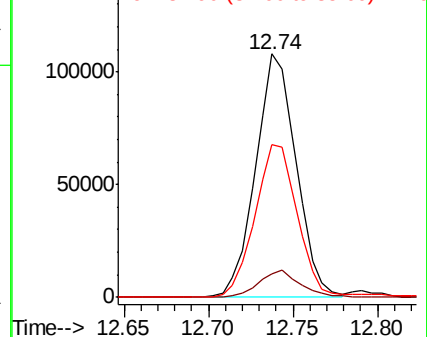
83 100

131 11.3 5.5 16.4

85 66.5 31.6 94.7



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



#76

1,2,3-Trichloropropane

Concen: 95.507 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064986.D

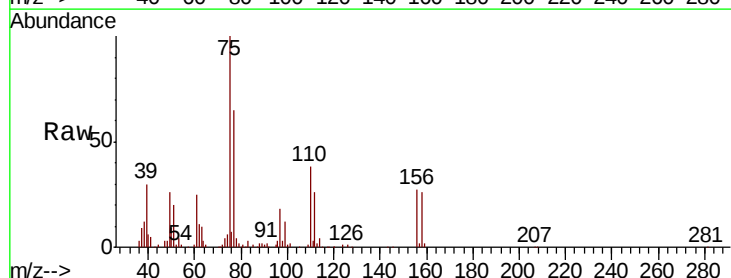
Acq: 28 Jan 2020 19:44

Tgt Ion: 75 Resp: 243009

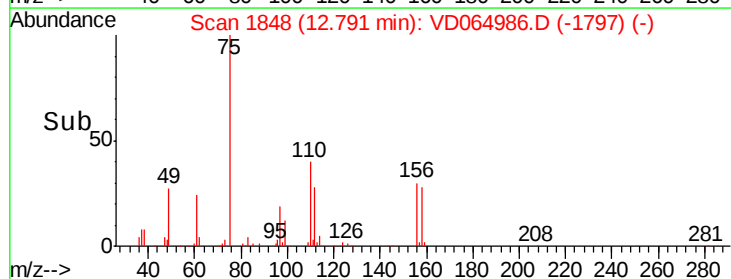
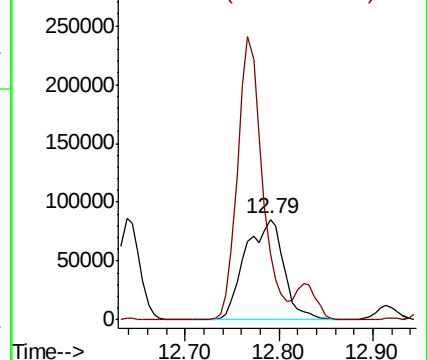
Ion Ratio Lower Upper

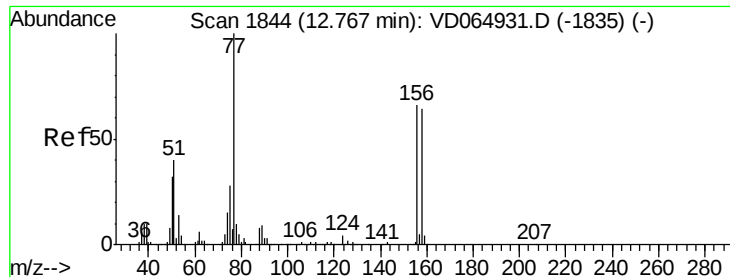
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.316 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

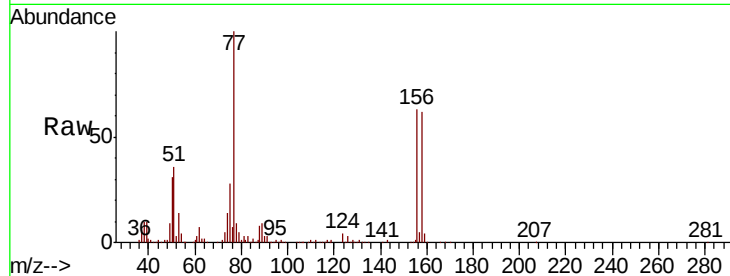
Tot Ion:156 Resp: 263072

Ion Ratio Lower Upper

156 100

77 167.5 84.2 252.5

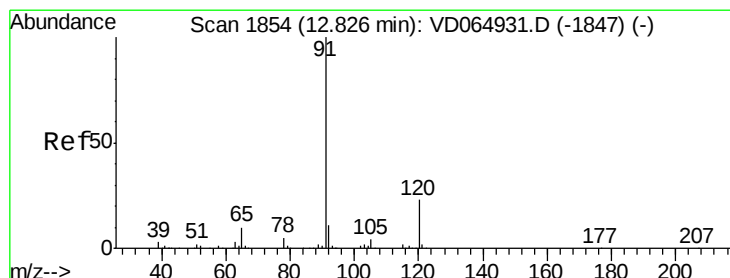
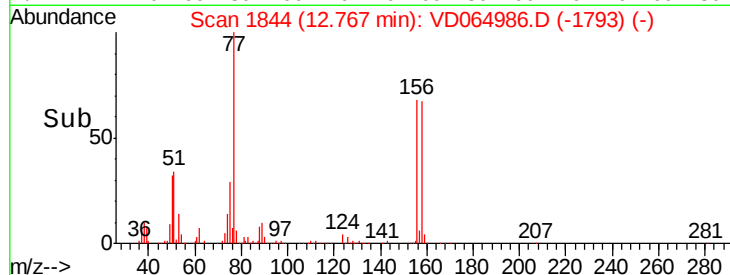
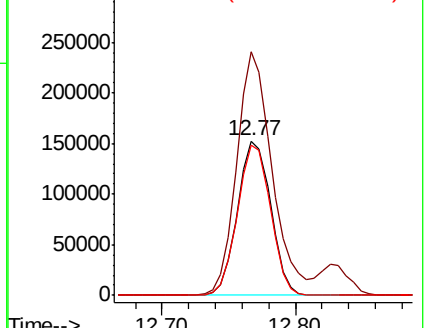
158 97.0 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.720 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064986.D

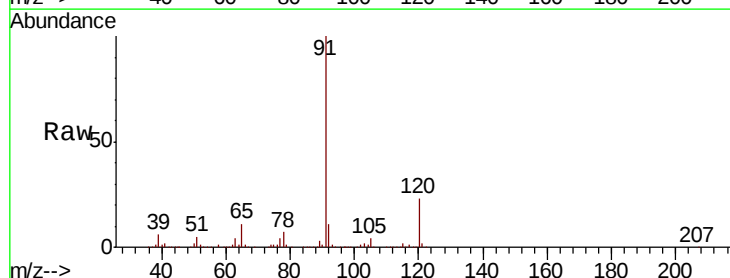
Acq: 28 Jan 2020 19:44

Tgt Ion: 91 Resp: 1213968

Ion Ratio Lower Upper

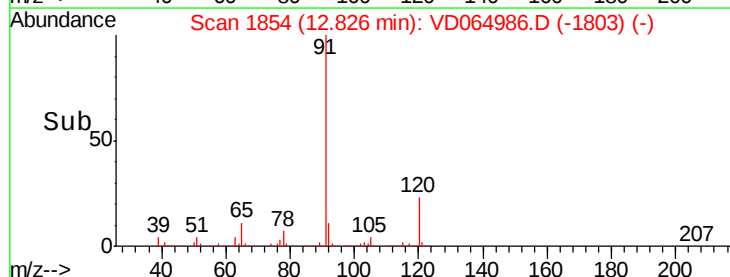
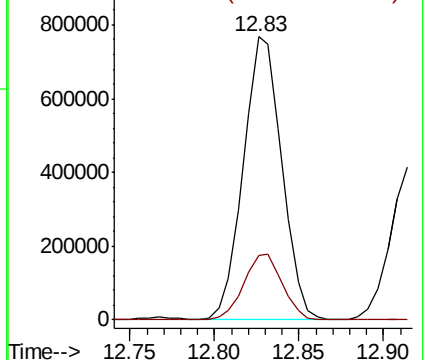
91 100

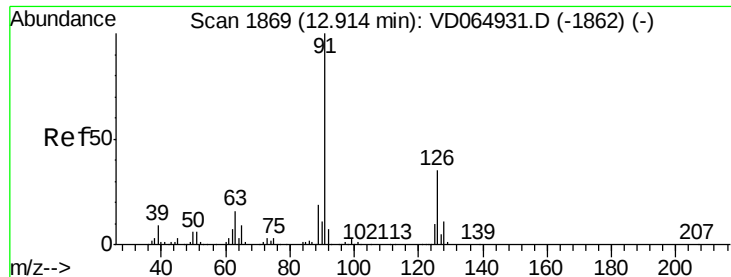
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.771 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

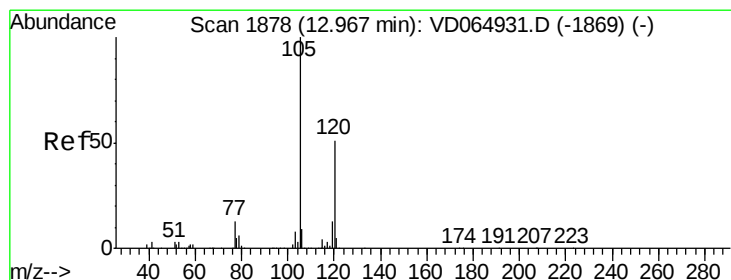
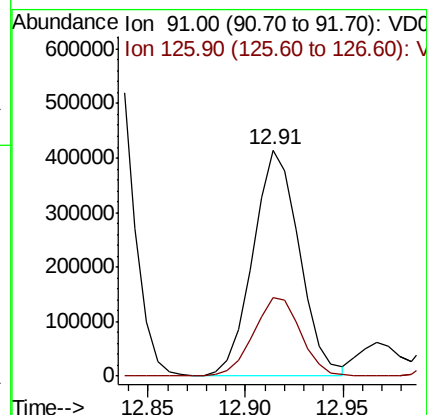
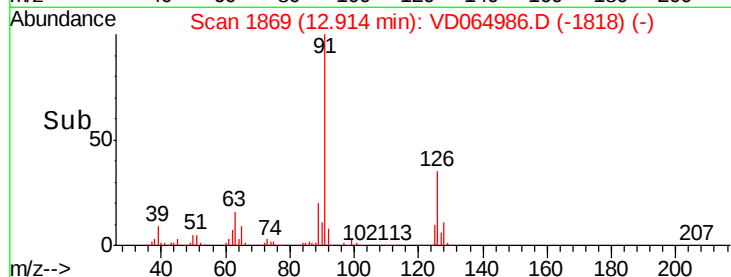
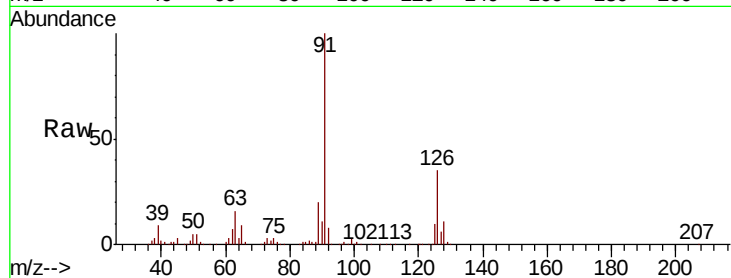
ClientSampled :

Tot Ion: 91 Resp: 680339

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 49.858 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064986.D

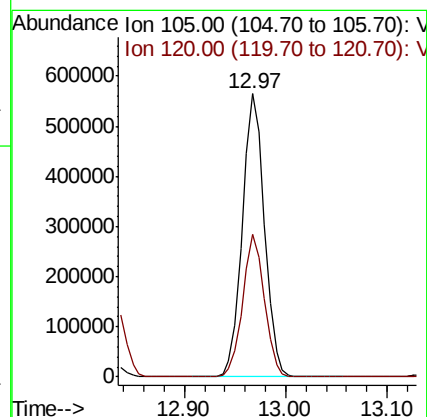
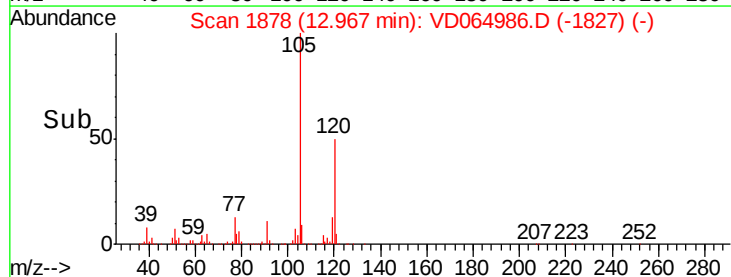
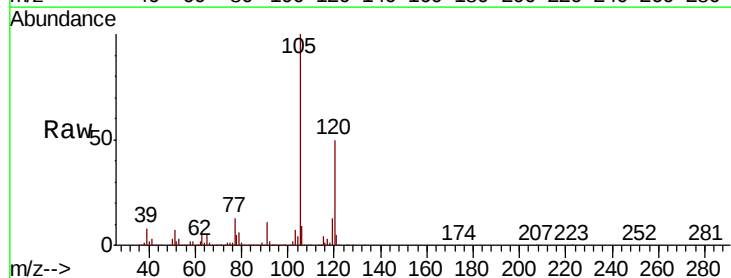
Acq: 28 Jan 2020 19:44

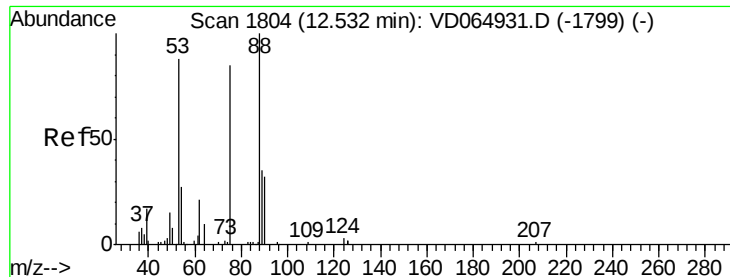
Tgt Ion:105 Resp: 856082

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.975 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampled :

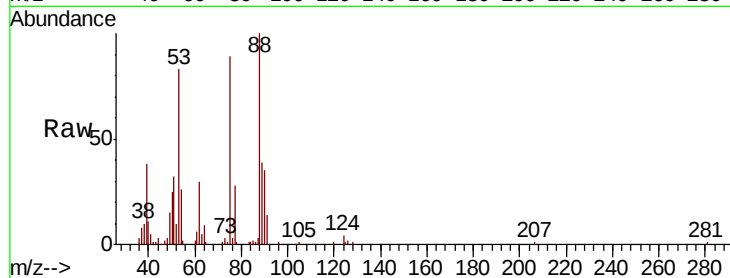
Tot Ion: 75 Resp: 59552

Ion Ratio Lower Upper

75 100

53 101.0 81.0 121.4

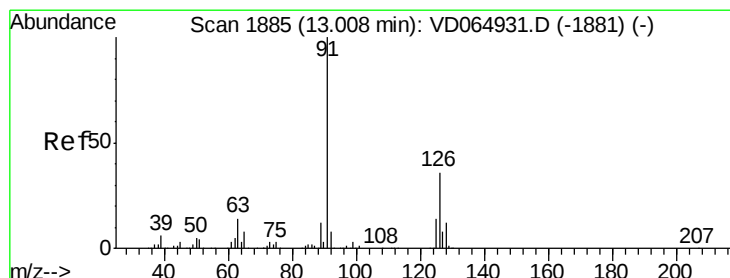
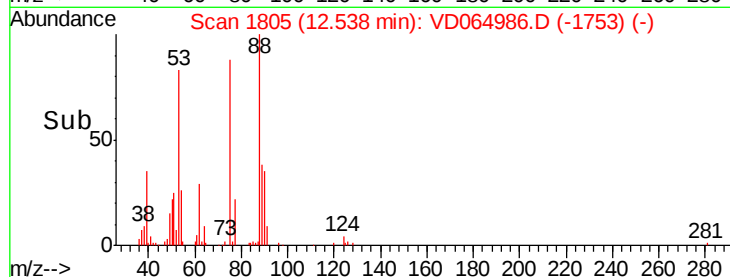
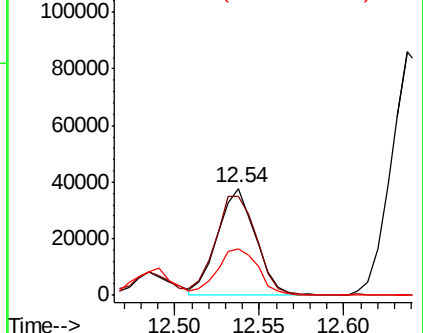
89 46.5 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.141 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064986.D

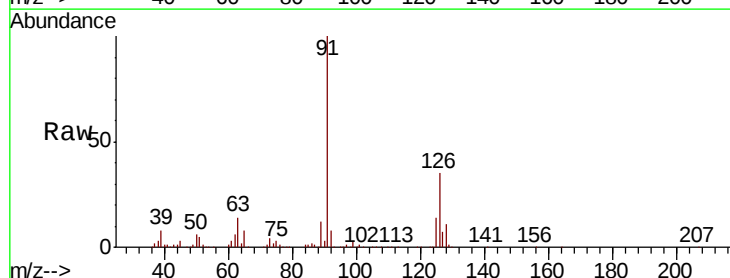
Acq: 28 Jan 2020 19:44

Tgt Ion: 91 Resp: 726867

Ion Ratio Lower Upper

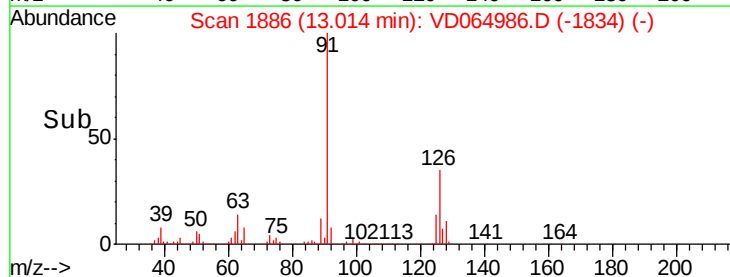
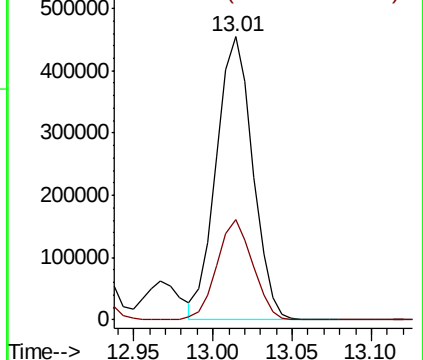
91 100

126 34.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

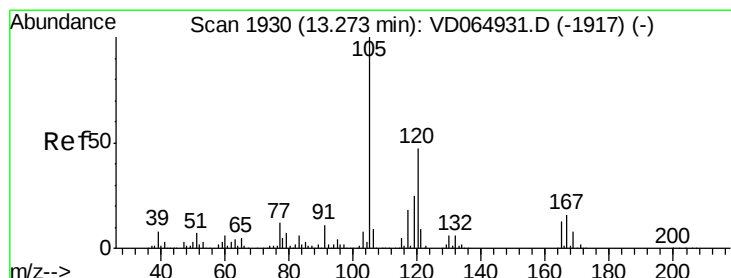
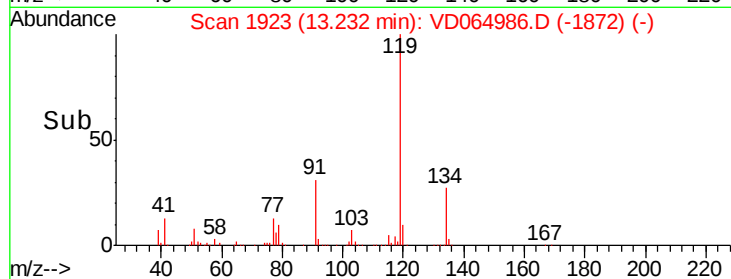
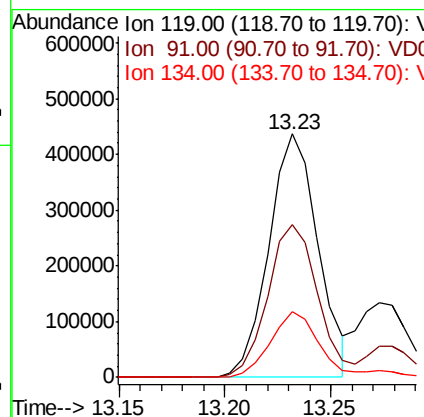
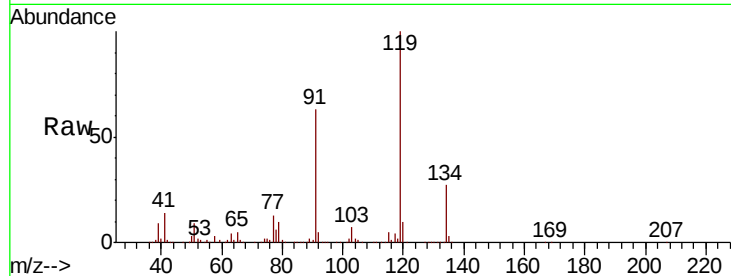




#83
tert-Butylbenzene
Concen: 48.580 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

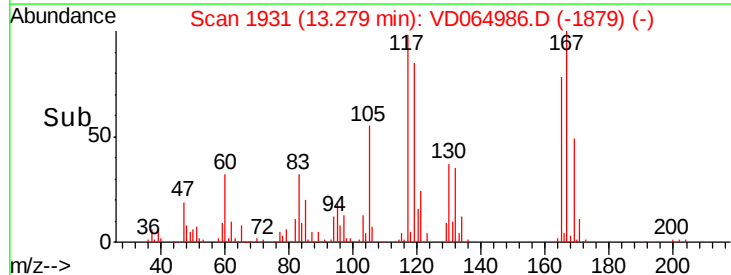
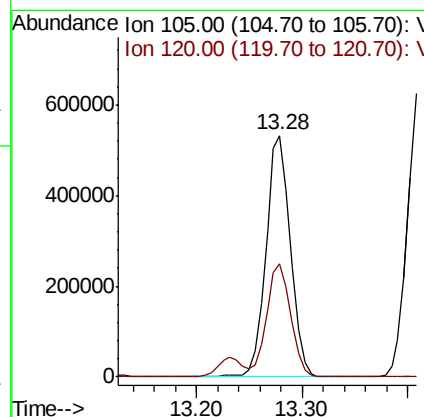
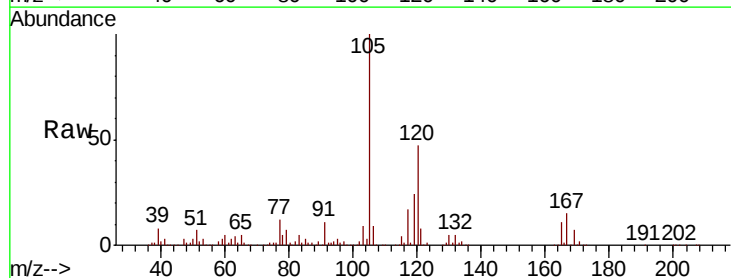
Instrument :
MSVOA_D
ClientSampled :

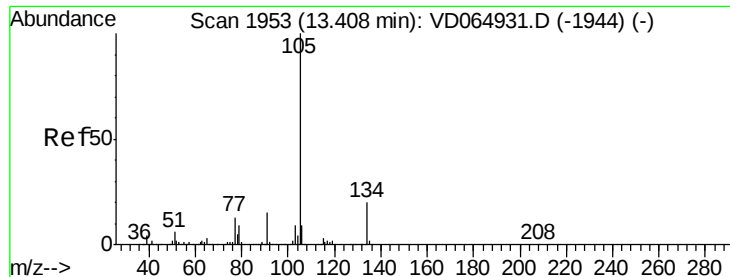
Tot Ion:119 Resp: 707868
Ion Ratio Lower Upper
119 100
91 64.1 32.0 96.0
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 49.065 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064986.D
Acq: 28 Jan 2020 19:44

Tgt Ion:105 Resp: 853424
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3

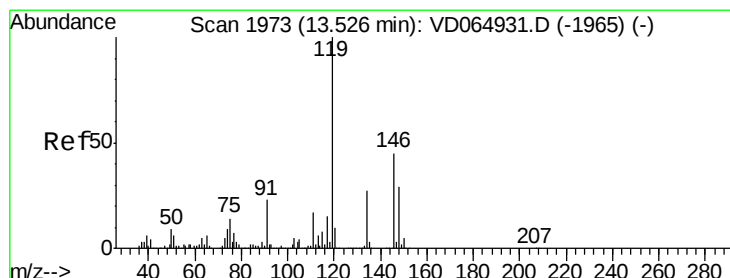
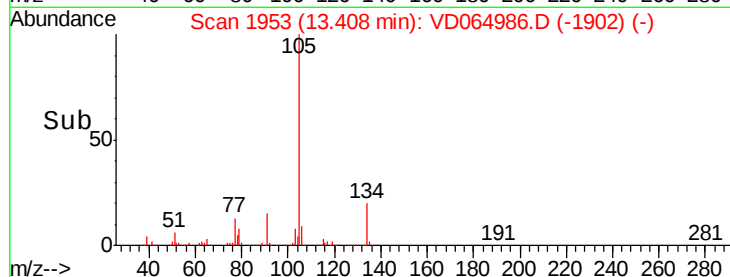
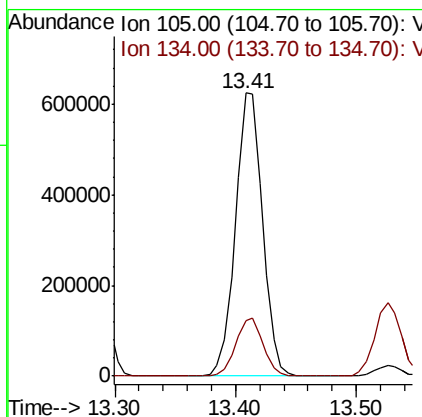
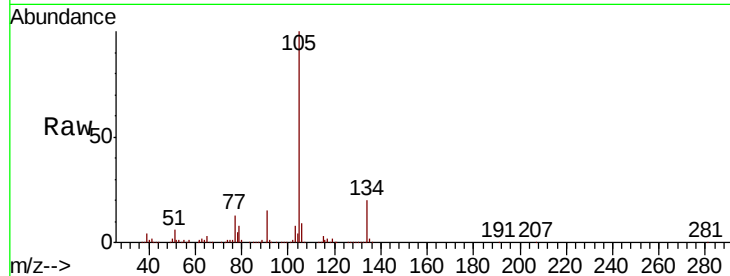




#85
 sec-Butylbenzene
 Concen: 47.372 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

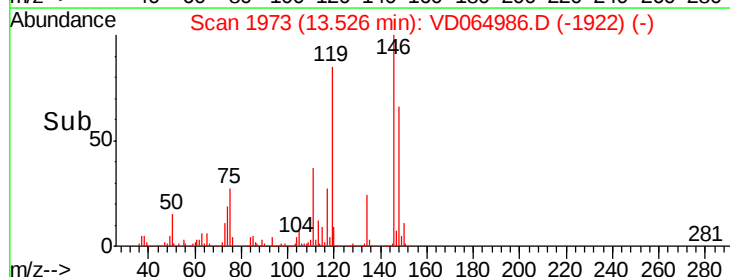
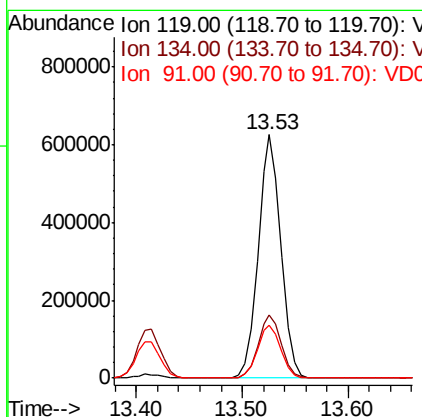
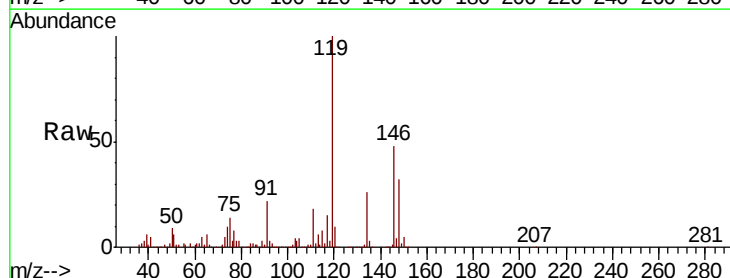
Instrument :
 MSVOA_D
 ClientSampleId :

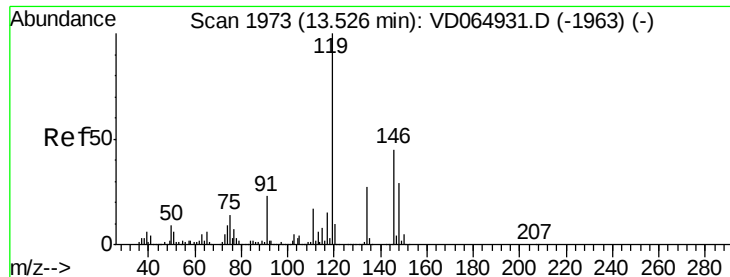
Tot Ion:105 Resp: 977348
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 48.290 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion:119 Resp: 932281
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.767 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

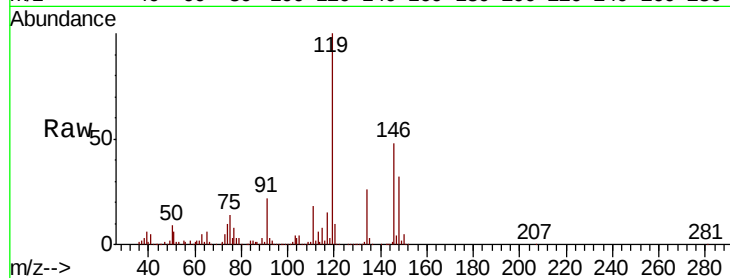
Tot Ion:146 Resp: 479686

Ion Ratio Lower Upper

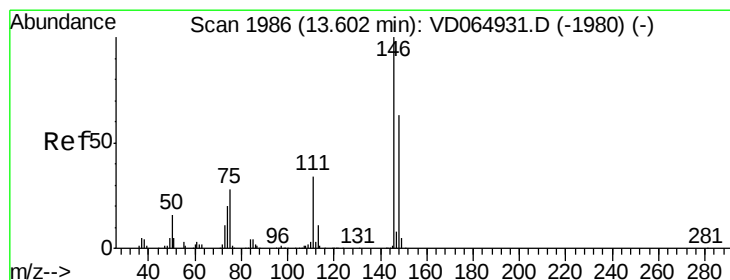
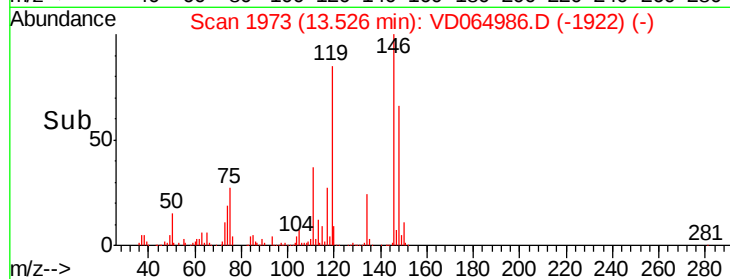
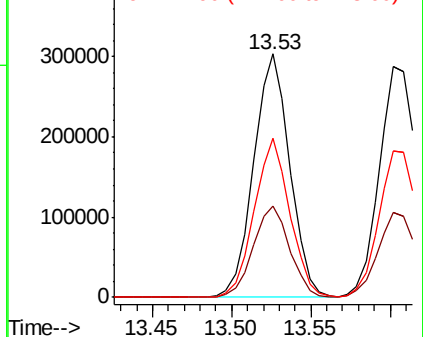
146 100

111 37.8 18.9 56.9

148 64.5 32.6 97.7



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: 48.679 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

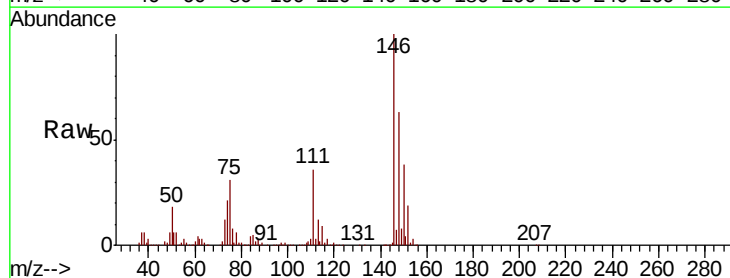
Tgt Ion:146 Resp: 475237

Ion Ratio Lower Upper

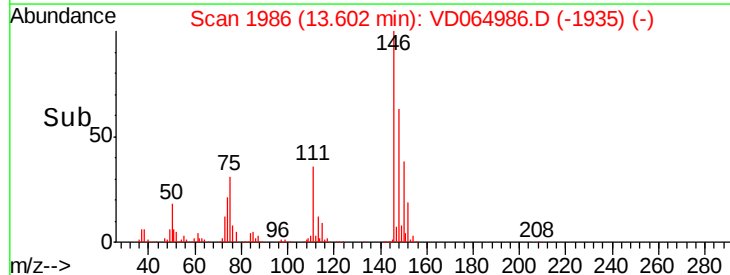
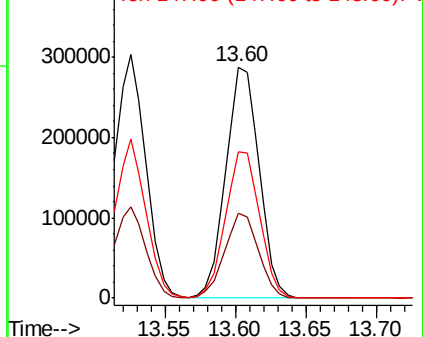
146 100

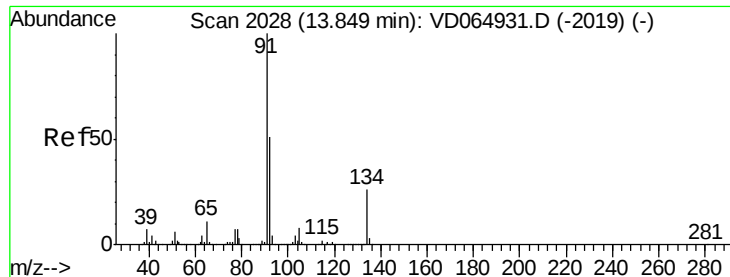
111 37.2 18.2 54.6

148 64.7 32.0 96.0



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





#89

n-Butylbenzene

Concen: 47.044 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

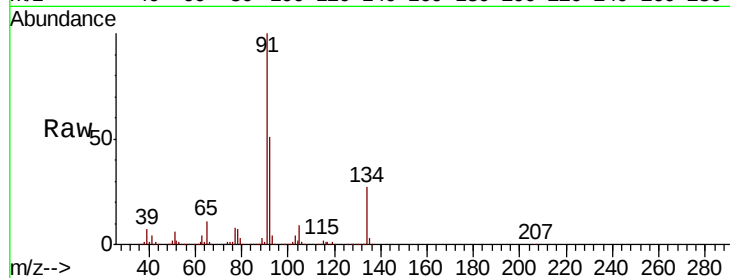
Tot Ion: 91 Resp: 828862

Ion Ratio Lower Upper

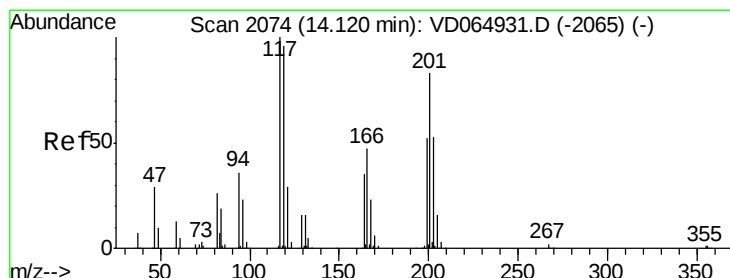
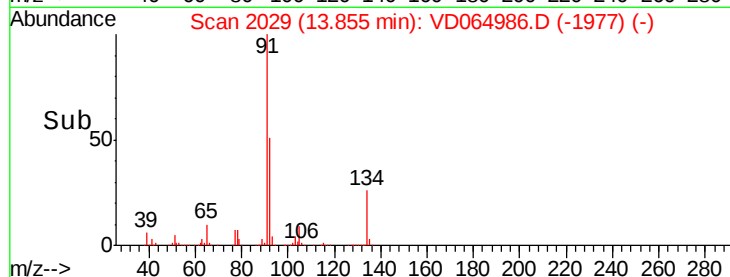
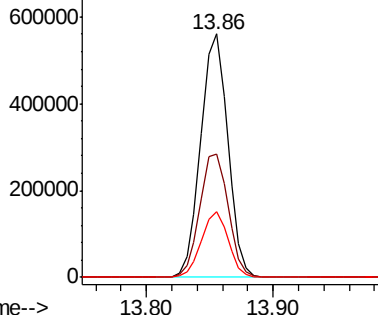
91 100

92 53.0 26.4 79.0

134 26.7 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.895 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064986.D

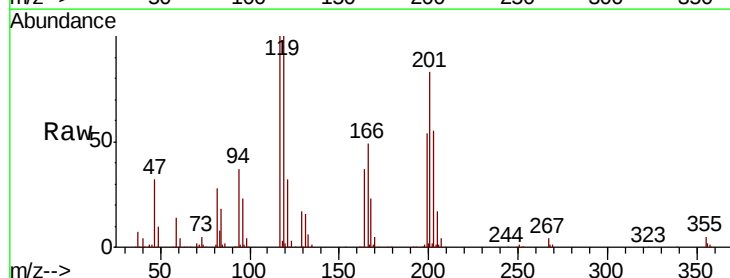
Acq: 28 Jan 2020 19:44

Tgt Ion: 117 Resp: 174593

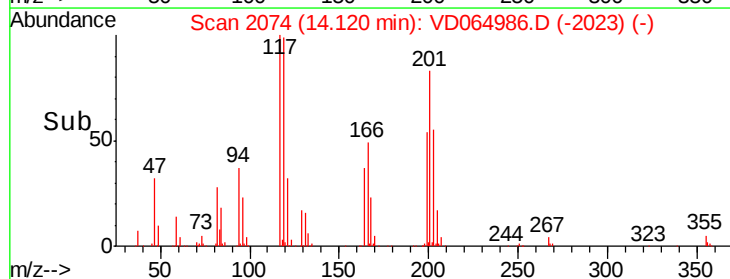
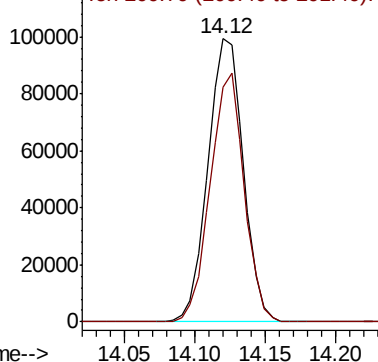
Ion Ratio Lower Upper

117 100

201 84.3 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

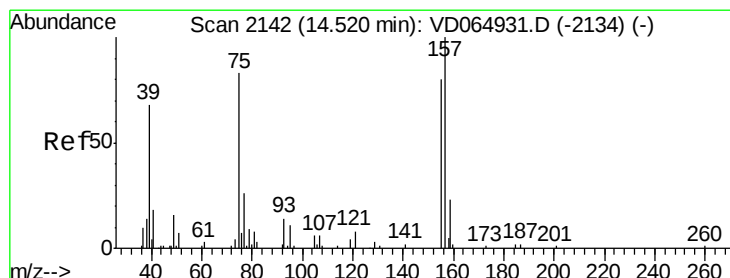
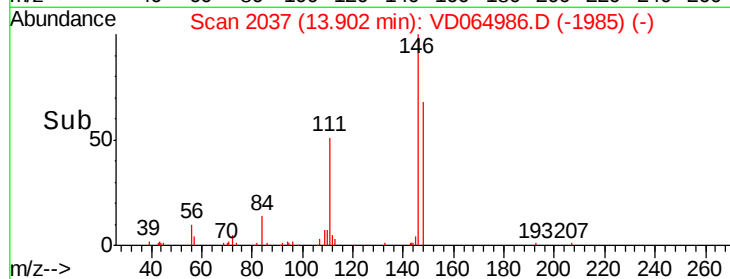
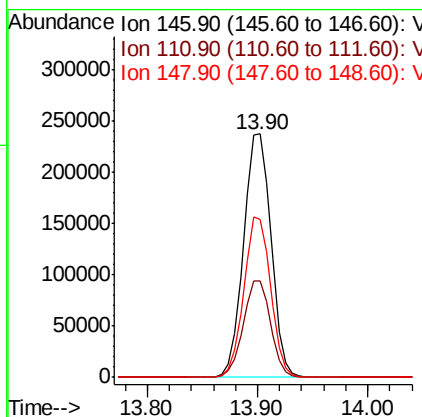
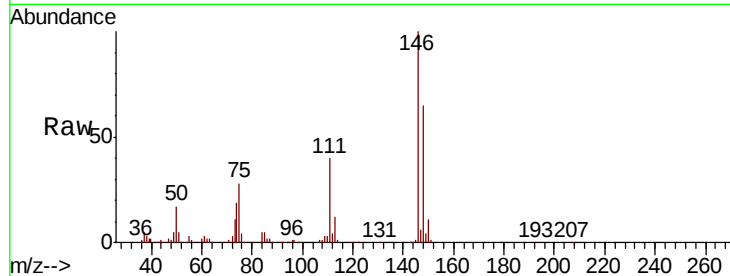




#91
 1,2-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

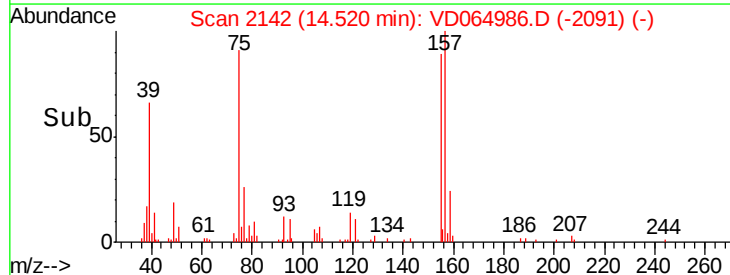
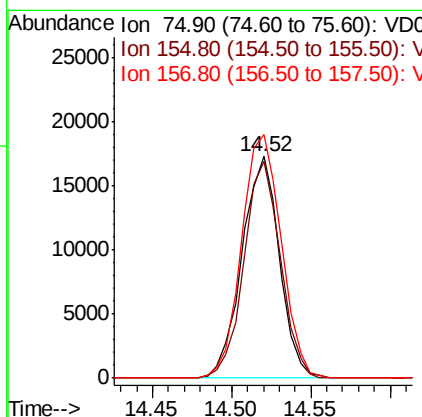
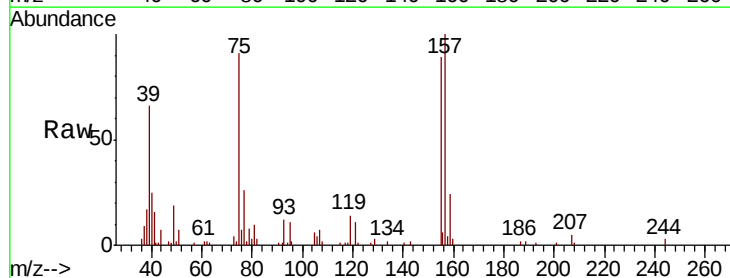
Instrument :
 MSVOA_D
 ClientSampleId :

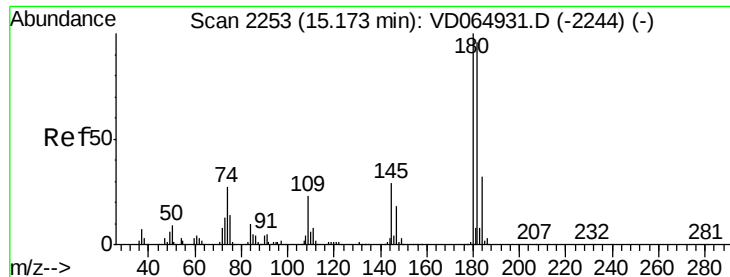
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	64.3	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.320 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	44.9	134.7
157	116.7	58.9	176.6

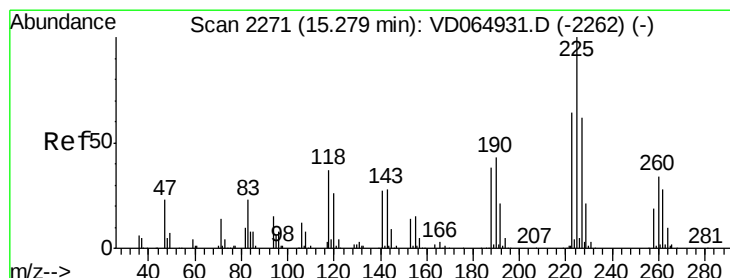
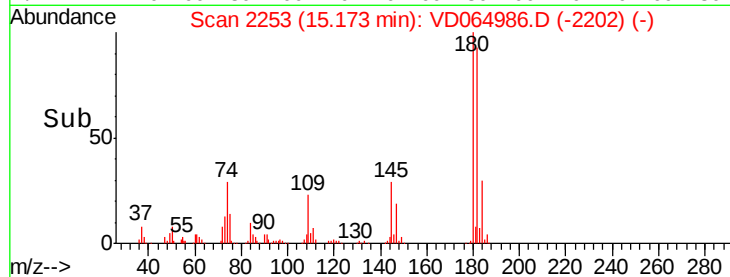
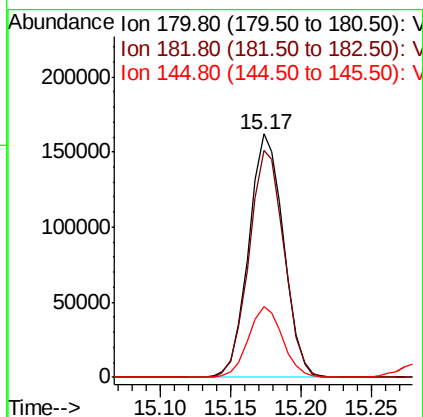
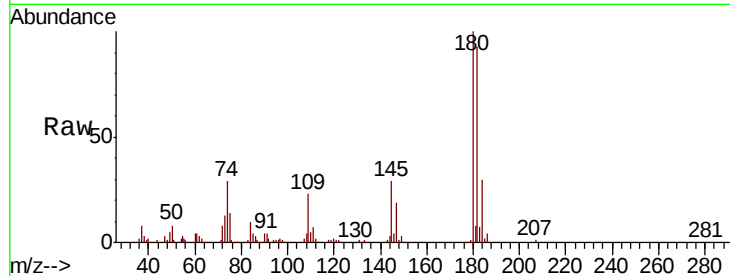




#93
 1,2,4-Trichlorobenzene
 Concen: 48.365 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

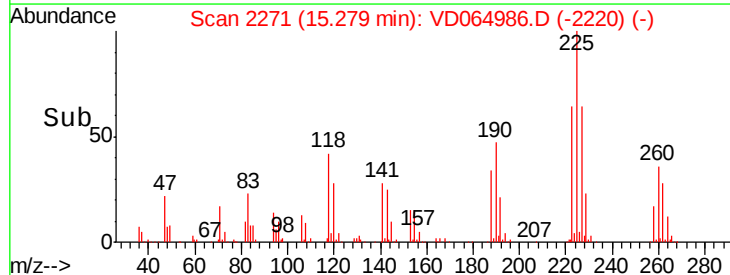
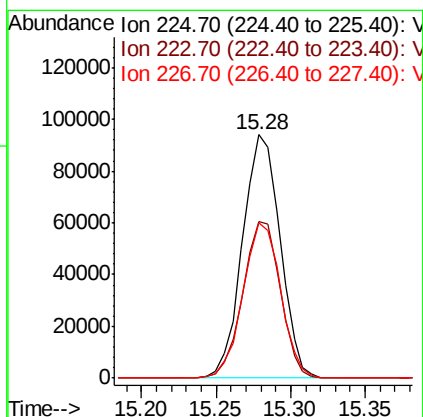
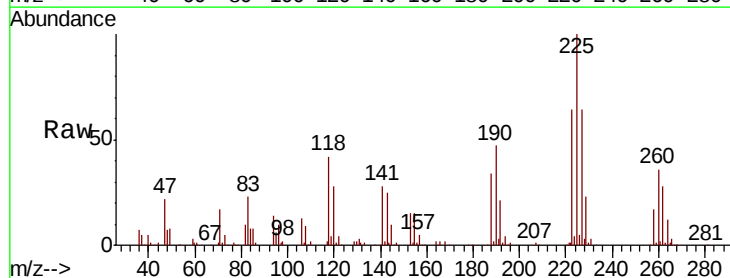
Instrument :
 MSVOA_D
 ClientSampleId :

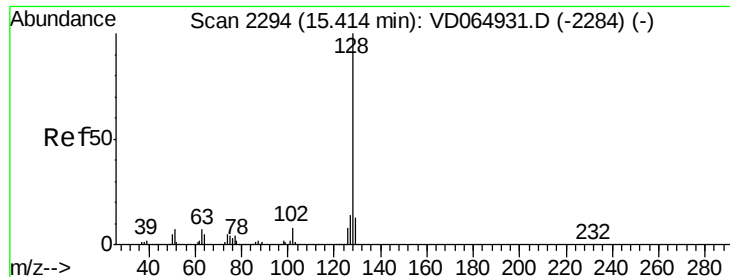
Tot Ion:180 Resp: 279407
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.4
 145 28.7 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 44.970 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064986.D
 Acq: 28 Jan 2020 19:44

Tgt Ion:225 Resp: 164327
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.4 97.2
 227 63.6 31.9 95.9





#95

Naphthalene

Concen: 52.579 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

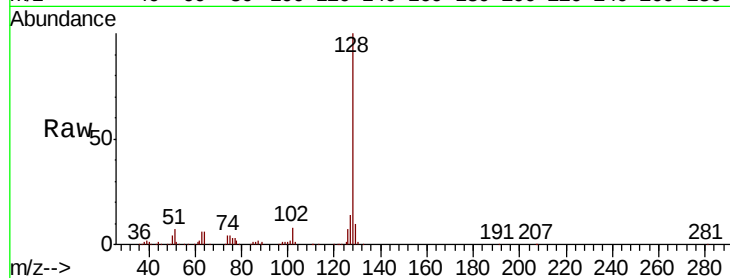
Tot Ion:128 Resp: 490225

Ion Ratio Lower Upper

128 100

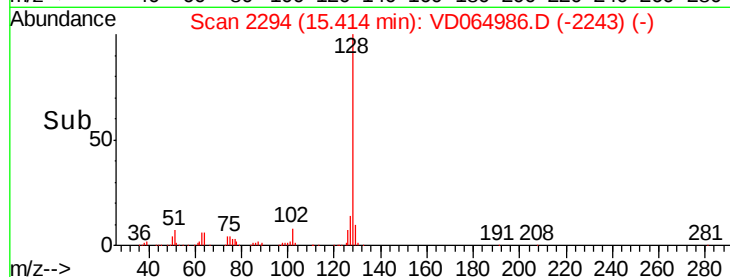
127 13.3 10.6 15.8

129 10.6 9.3 13.9

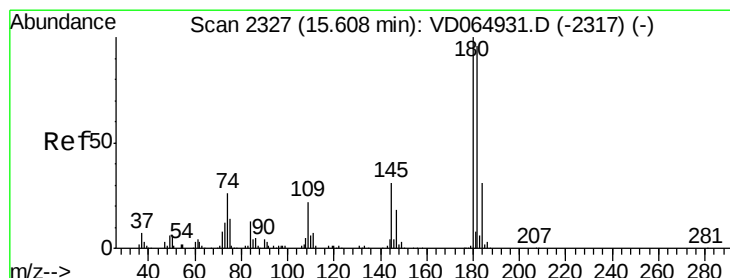


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.41



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 48.161 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064986.D

Acq: 28 Jan 2020 19:44

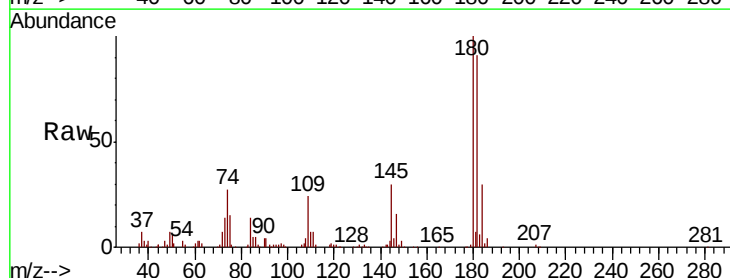
Tgt Ion:180 Resp: 241241

Ion Ratio Lower Upper

180 100

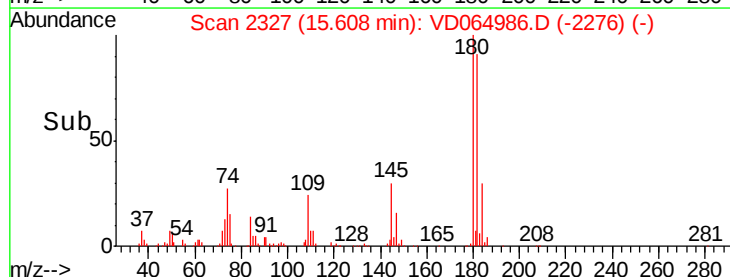
182 95.4 47.3 141.8

145 29.8 14.6 43.8



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

15.61



Time--> 15.50 15.60 15.70