

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064634.D
 Acq On : 27 Dec 2019 09:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 30 00:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	409616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	568518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	171156	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.92	113	175094	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	10.34	98	701274	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.64	95	215193	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	157876	49.595	ug/l	100
3) Chloromethane	2.21	50	210749	47.338	ug/l	99
4) Vinyl Chloride	2.35	62	265030	48.824	ug/l	96
5) Bromomethane	2.77	94	179614	45.508	ug/l	95
6) Chloroethane	2.93	64	178578	49.097	ug/l	99
7) Trichlorofluoromethane	3.27	101	454868	49.767	ug/l	100
8) Diethyl Ether	3.70	74	79348	43.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	190954	50.447	ug/l	99
10) Methyl Iodide	4.29	142	210442	51.757	ug/l	100
11) Tert butyl alcohol	5.25	59	42760	206.568	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	178189	49.446	ug/l	94
13) Acrolein	3.93	56	65502	227.052	ug/l	99
14) Allyl chloride	4.71	41	268637	47.811	ug/l	99
15) Acrylonitrile	5.43	53	169968	224.823	ug/l	99
16) Acetone	4.16	43	212884	284.126	ug/l	91
17) Carbon Disulfide	4.40	76	570488	48.958	ug/l	100
18) Methyl Acetate	4.72	43	88270	43.408	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	367078	45.859	ug/l	98
20) Methylene Chloride	4.96	84	182455	49.326	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	201806	49.172	ug/l	98
22) Diisopropyl ether	6.36	45	529170	47.218	ug/l	98
23) Vinyl Acetate	6.31	43	1509898	237.507	ug/l	98
24) 1,1-Dichloroethane	6.26	63	331452	49.265	ug/l	100
25) 2-Butanone	7.22	43	243181	244.935	ug/l	99
26) 2,2-Dichloropropane	7.21	77	309352	49.454	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211369	47.721	ug/l	98
28) Bromochloromethane	7.55	49	130761	49.998	ug/l	99
29) Tetrahydrofuran	7.56	42	137782	223.157	ug/l	99
30) Chloroform	7.71	83	341152	48.331	ug/l	98
31) Cyclohexane	7.98	56	318796	47.337	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	330041	49.780	ug/l	100
36) 1,1-Dichloropropene	8.11	75	284795	52.046	ug/l	99
37) Ethyl Acetate	7.30	43	99343	46.213	ug/l	98
38) Carbon Tetrachloride	8.10	117	308923	52.946	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	350114	52.827	ug/l	100
40) Benzene	8.35	78	760308	50.898	ug/l	99
41) Methacrylonitrile	7.53	41	67617	54.213	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	216225	50.091	ug/l	99
43) Isopropyl Acetate	8.46	43	199639	46.658	ug/l	99
44) Trichloroethene	9.11	130	223192	50.861	ug/l	97
45) 1,2-Dichloropropane	9.39	63	179267	50.263	ug/l	96
46) Dibromomethane	9.48	93	97103	48.832	ug/l	99
47) Bromodichloromethane	9.66	83	261226	49.368	ug/l	96
48) Methyl methacrylate	9.46	41	99555	49.415	ug/l	100
49) 1,4-Dioxane	9.47	88	20721	903.708	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	497997	235.472	ug/l	99
52) Toluene	10.40	92	495781	50.588	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	243187	49.296	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	291368	50.089	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	126892	47.350	ug/l	94
56) Ethyl methacrylate	10.66	69	159087	47.534	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221688	48.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287582	225.537	ug/l	99
59) 2-Hexanone	10.98	43	368304	256.583	ug/l	100
60) Dibromochloromethane	11.14	129	177763	47.968	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126271	47.772	ug/l	99
64) Tetrachloroethene	10.87	164	192697	50.417	ug/l	98
65) Chlorobenzene	11.67	112	513639	49.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	198964	51.043	ug/l	99
67) Ethyl Benzene	11.75	91	956285	50.954	ug/l	98
68) m/p-Xylenes	11.85	106	736931	101.731	ug/l	97
69) o-Xylene	12.18	106	328887	50.265	ug/l	99
70) Styrene	12.20	104	582867	50.751	ug/l	99
71) Bromoform	12.37	173	106565	47.939	ug/l #	98
73) Isopropylbenzene	12.48	105	926371	52.489	ug/l	99
74) N-amyl acetate	12.29	43	175685	46.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	131913	47.579	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	179884	92.237	ug/l #	100
77) Bromobenzene	12.77	156	214015	49.351	ug/l	98
78) n-propylbenzene	12.83	91	1068687	51.904	ug/l	100
79) 2-Chlorotoluene	12.91	91	568468	50.259	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	753351	51.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45743	49.056	ug/l	98
82) 4-Chlorotoluene	13.01	91	604149	50.192	ug/l	99
83) tert-Butylbenzene	13.23	119	653004	51.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	742335	51.412	ug/l	98
85) sec-Butylbenzene	13.41	105	903952	52.381	ug/l	100
86) p-Isopropyltoluene	13.53	119	859335	52.078	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	410604	49.667	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	397456	48.940	ug/l	99
89) n-Butylbenzene	13.85	91	779881	52.483	ug/l	99
90) Hexachloroethane	14.12	117	160123	50.800	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	341884	48.499	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20261	45.079	ug/l	93

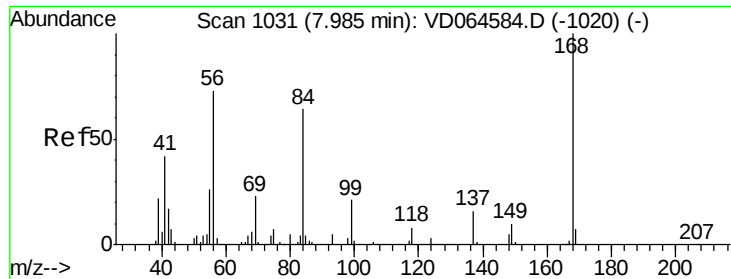
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	240360	46.307	ug/l	100
94) Hexachlorobutadiene	15.28	225	159945	48.969	ug/l	99
95) Naphthalene	15.41	128	379177	46.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	205749	46.432	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

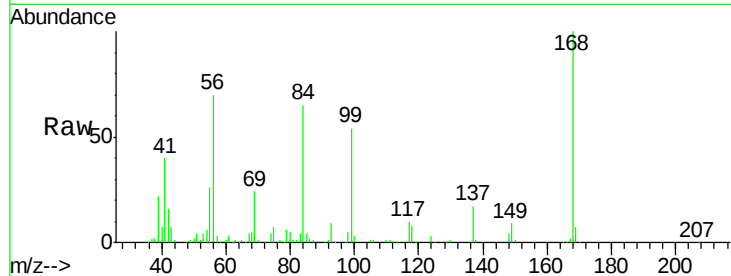
VSTDCCC050

Tgt Ion:168 Resp: 409616

Ion Ratio Lower Upper

168 100

99 53.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

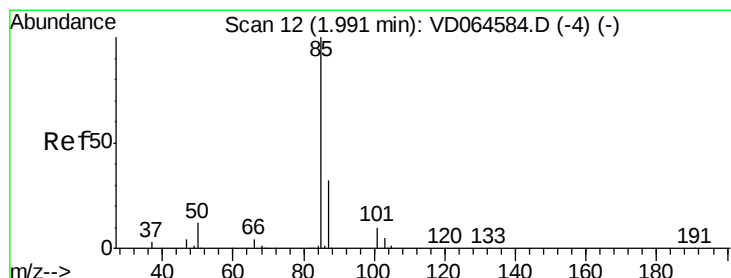
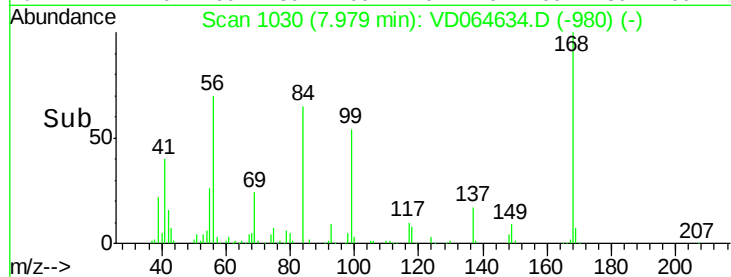
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.595 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064634.D

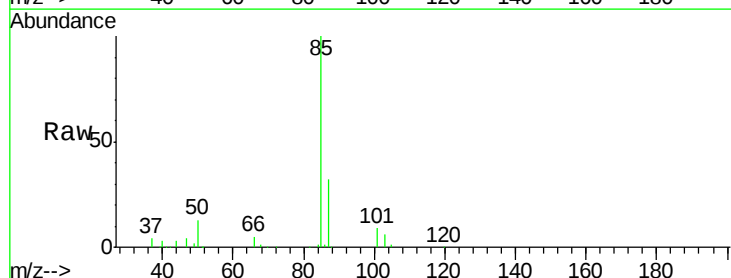
Acq: 27 Dec 2019 09:53

Tgt Ion: 85 Resp: 157876

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

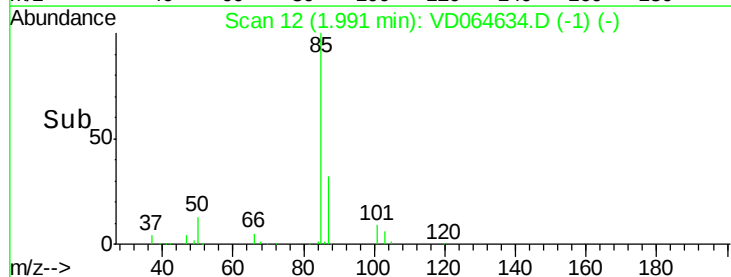
40000

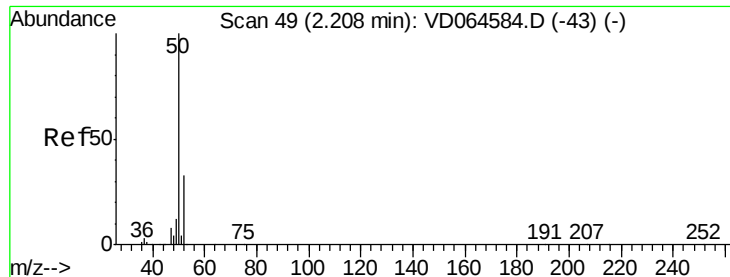
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.338 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

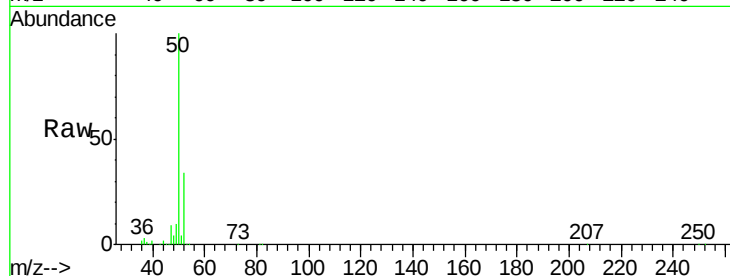
VSTDCCC050

Tgt Ion: 50 Resp: 210749

Ion Ratio Lower Upper

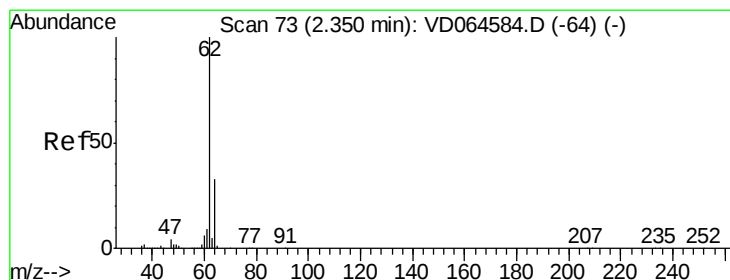
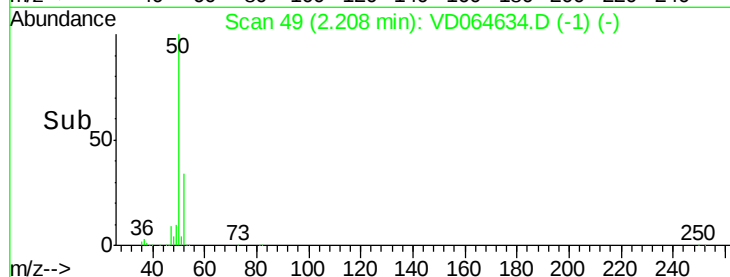
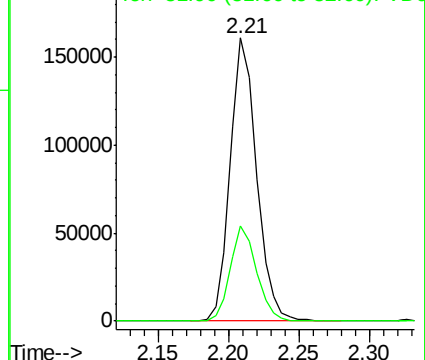
50 100

52 33.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.824 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064634.D

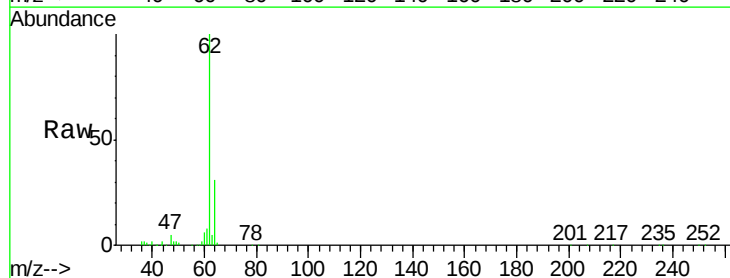
Acq: 27 Dec 2019 09:53

Tgt Ion: 62 Resp: 265030

Ion Ratio Lower Upper

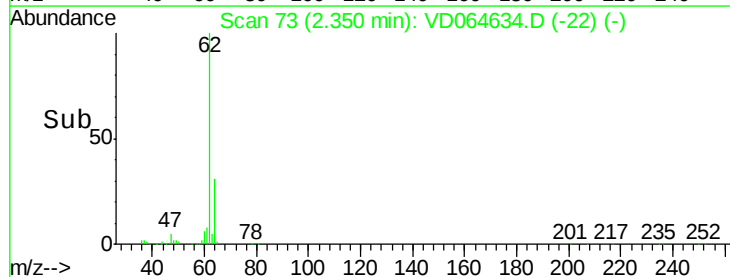
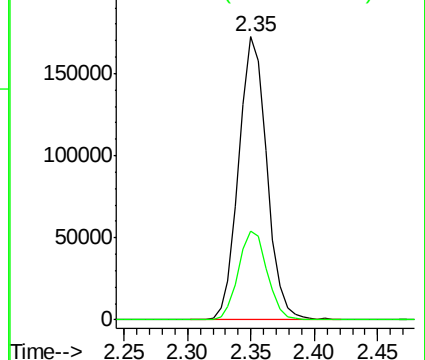
62 100

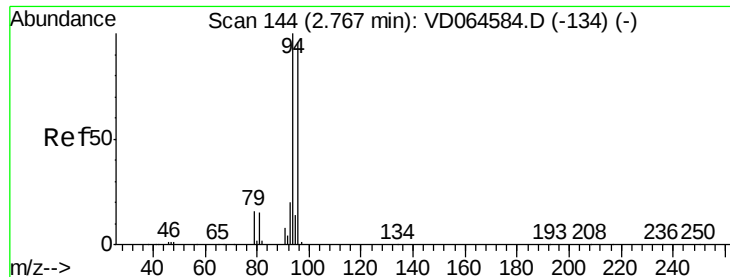
64 31.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.508 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

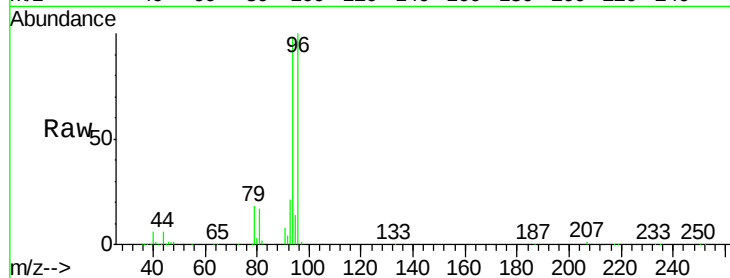
VSTDCCC050

Tgt Ion: 94 Resp: 179614

Ion Ratio Lower Upper

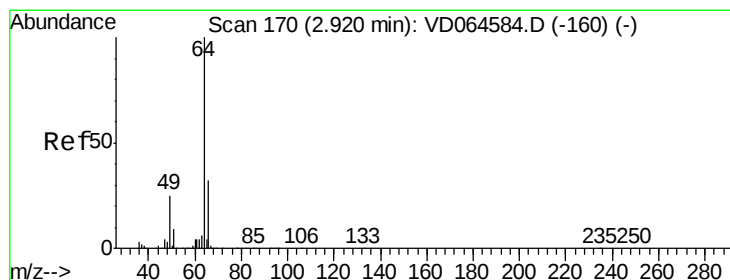
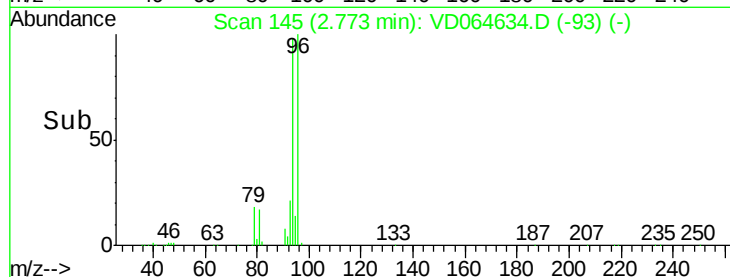
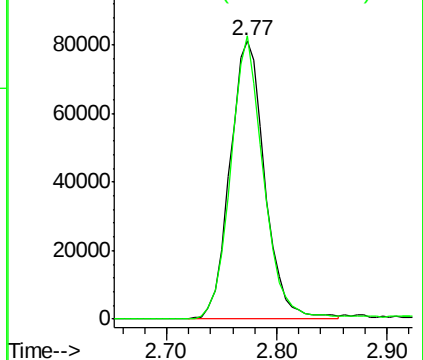
94 100

96 101.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.097 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064634.D

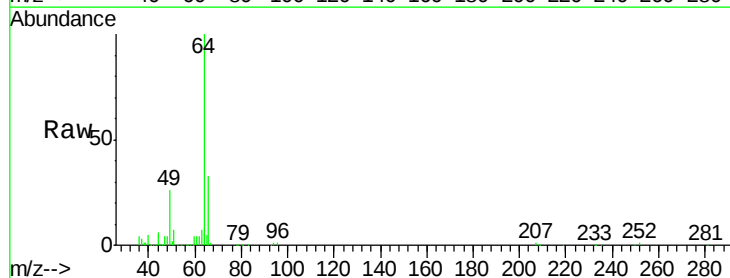
Acq: 27 Dec 2019 09:53

Tgt Ion: 64 Resp: 178578

Ion Ratio Lower Upper

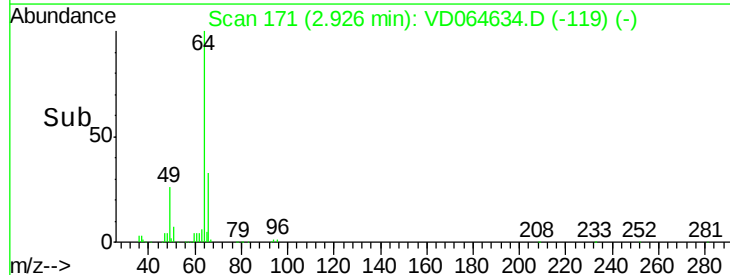
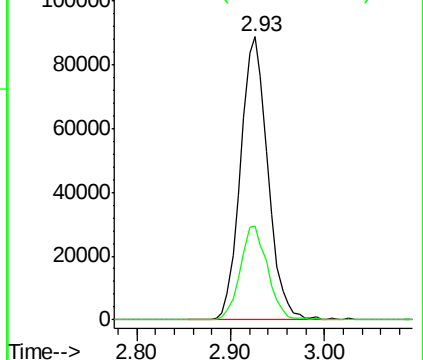
64 100

66 33.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



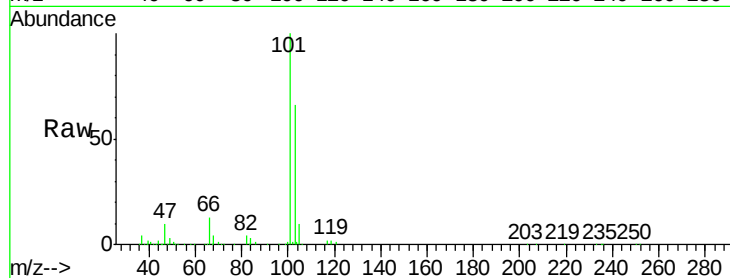


#7

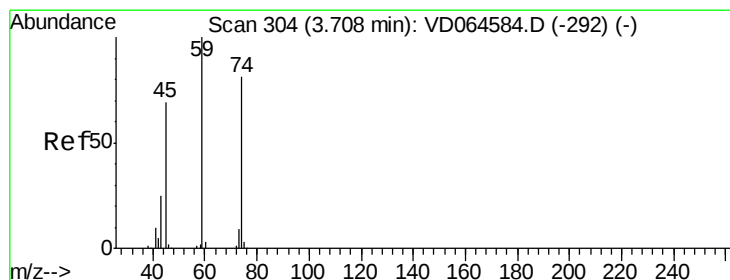
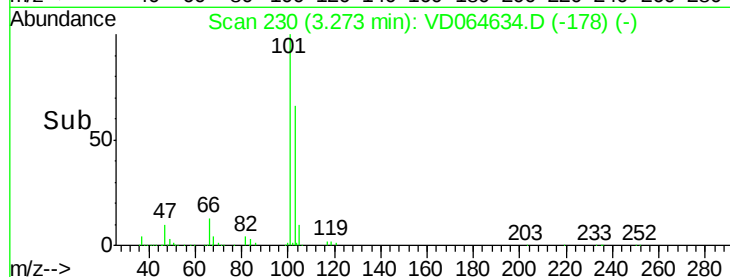
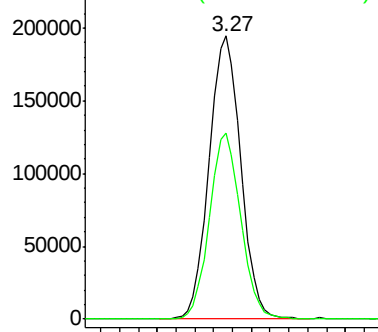
Trichlorofluoromethane
Concen: 49.767 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 454868
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4



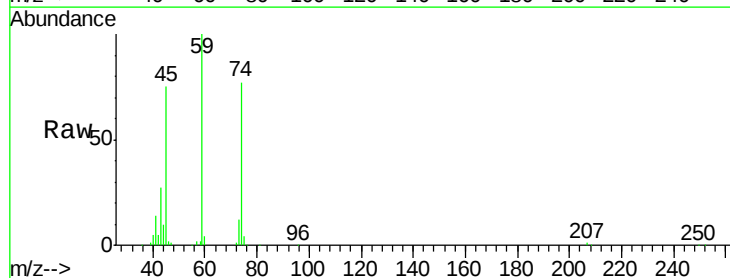
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



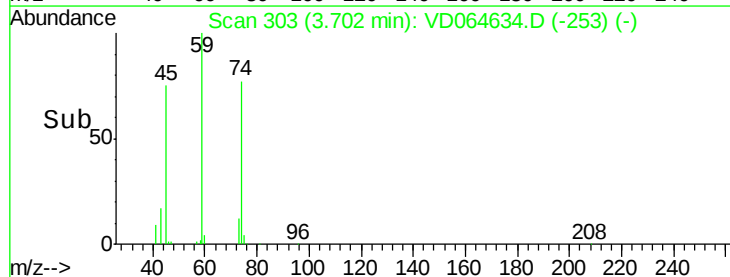
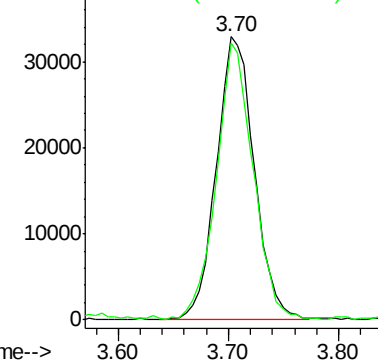
#8

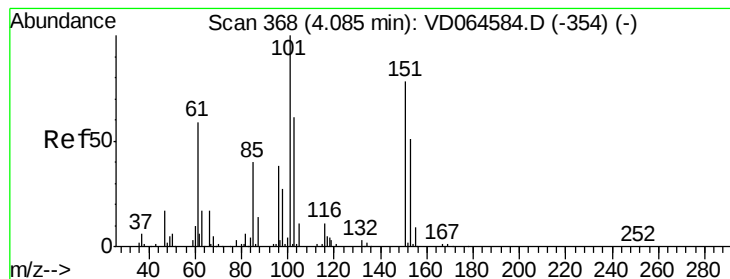
Diethyl Ether
Concen: 43.718 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 74 Resp: 79348
Ion Ratio Lower Upper
74 100
45 95.5 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.447 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

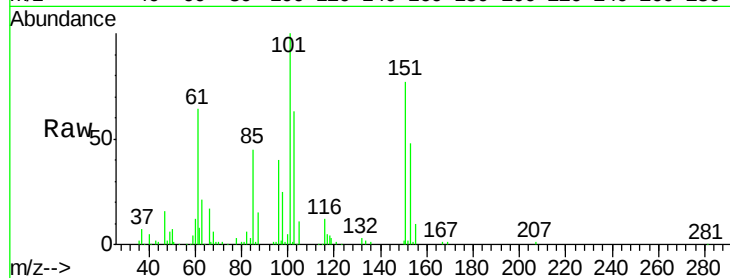
Tgt Ion:101 Resp: 190954

Ion Ratio Lower Upper

101 100

85 45.0 35.2 52.8

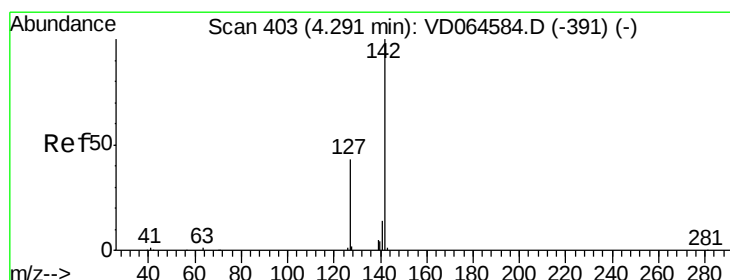
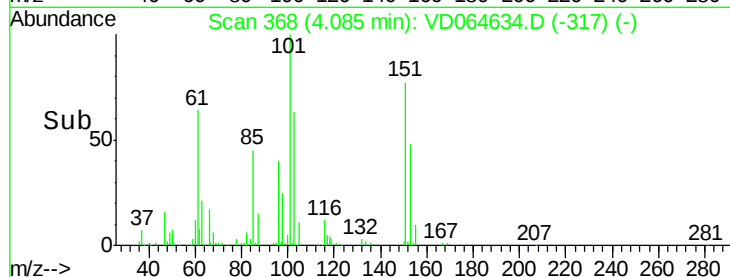
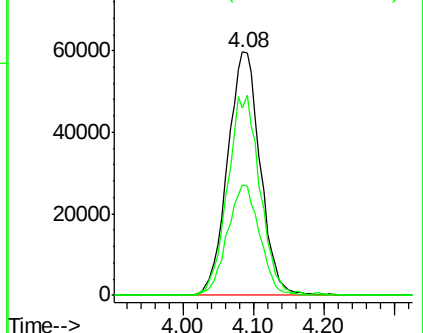
151 81.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.757 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

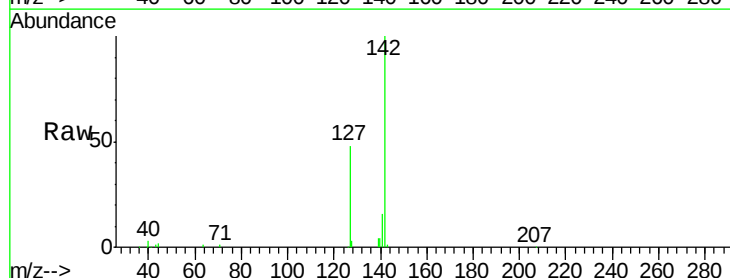
Tgt Ion:142 Resp: 210442

Ion Ratio Lower Upper

142 100

127 45.3 36.2 54.4

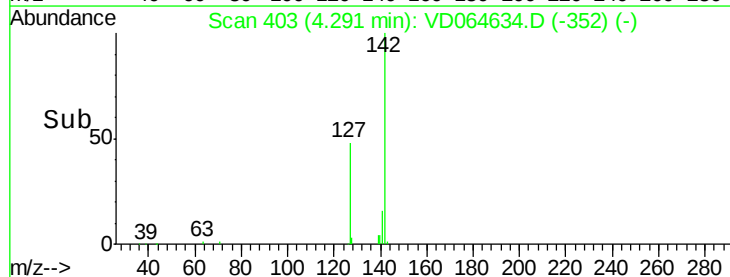
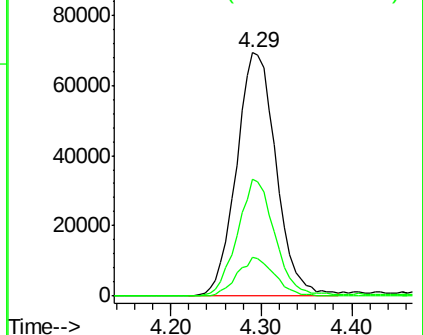
141 14.9 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

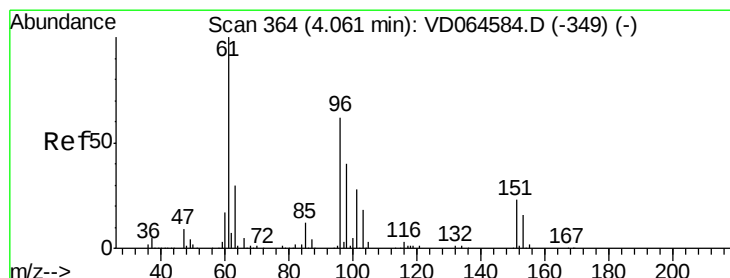
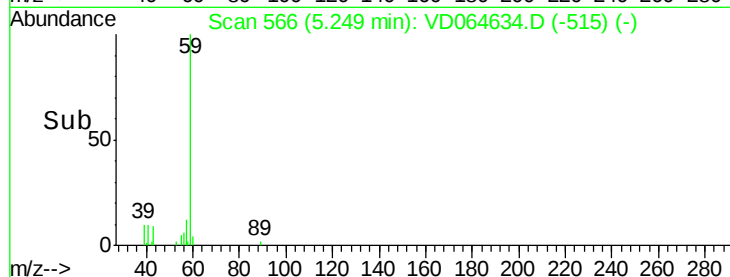
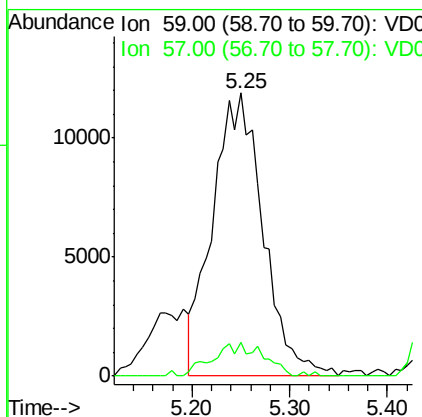
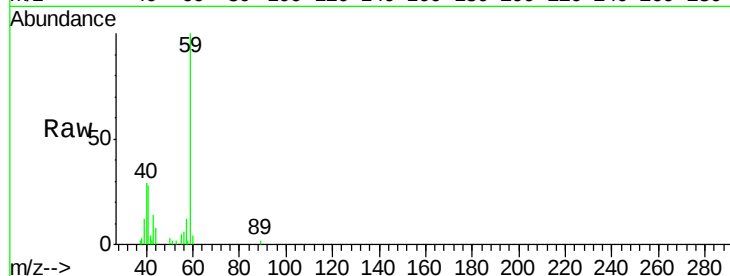




#11
Tert butyl alcohol
Concen: 206.568 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

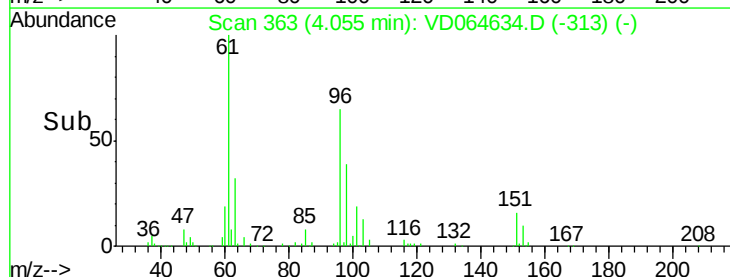
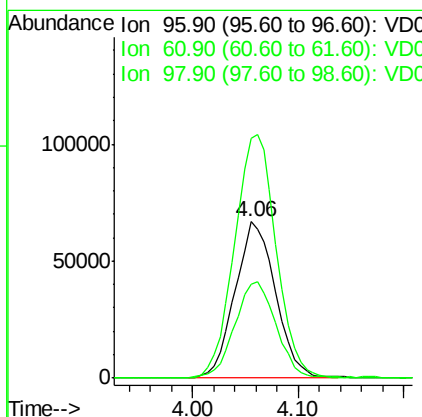
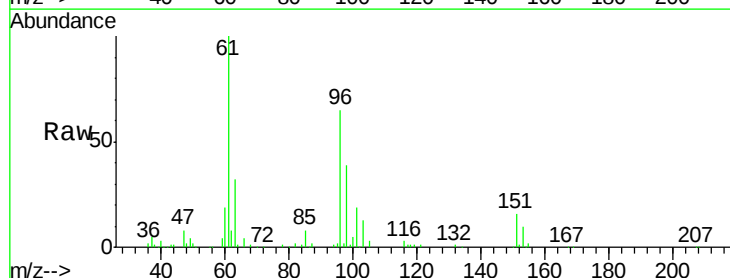
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

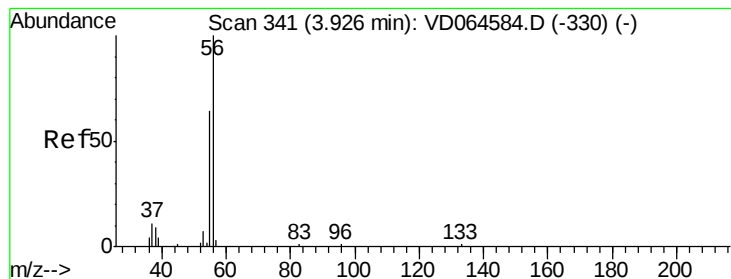
Tgt Ion: 59 Resp: 42760
Ion Ratio Lower Upper
59 100
57 5.6 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 49.446 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 96 Resp: 178189
Ion Ratio Lower Upper
96 100
61 153.0 129.4 194.0
98 60.3 51.4 77.0





#13

Acrolein

Concen: 227.052 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

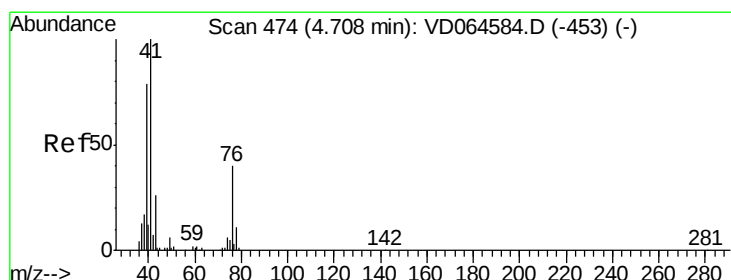
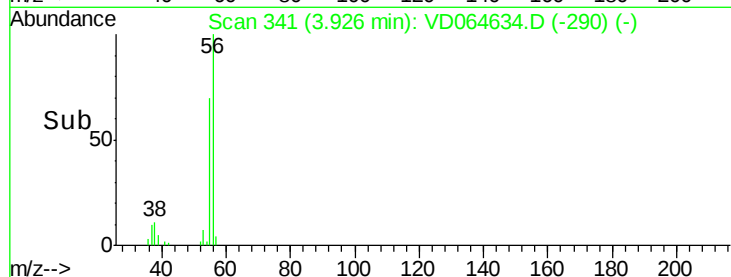
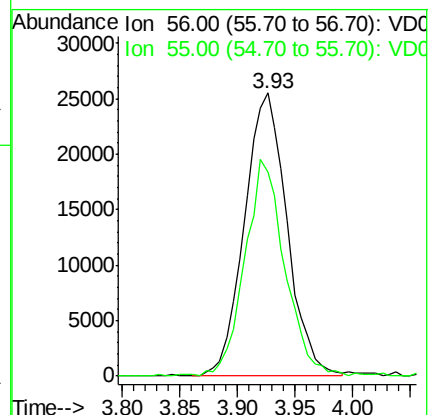
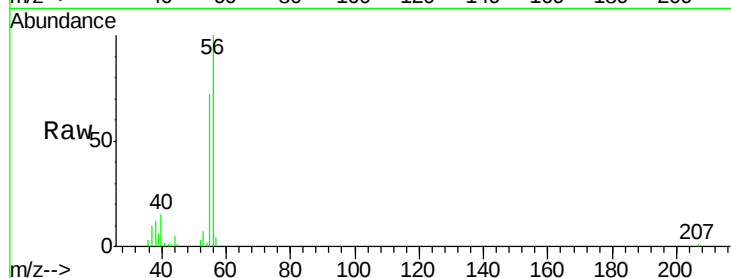
VSTDCCC050

Tgt Ion: 56 Resp: 65502

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



#14

Allyl chloride

Concen: 47.811 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

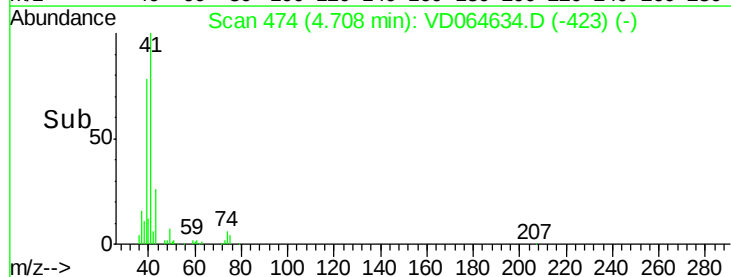
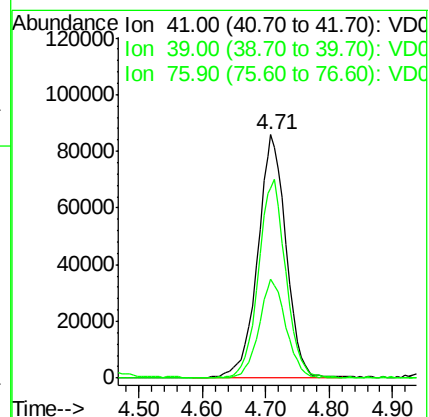
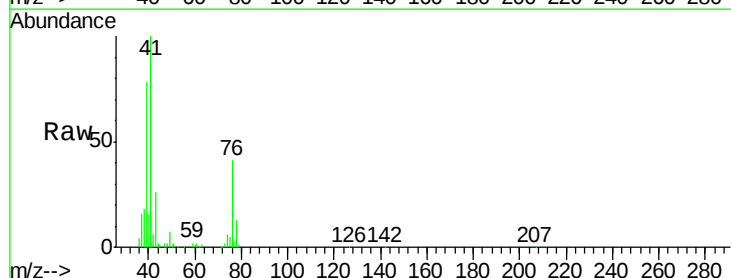
Tgt Ion: 41 Resp: 268637

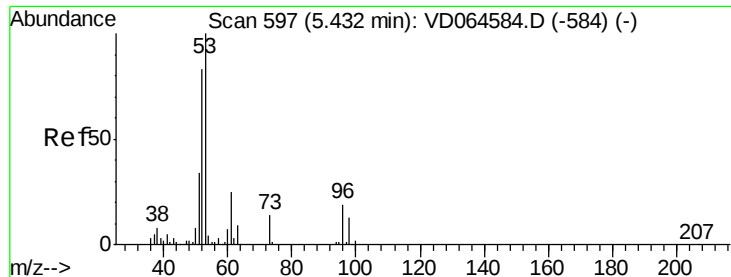
Ion Ratio Lower Upper

41 100

39 78.0 62.3 93.5

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 224.823 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

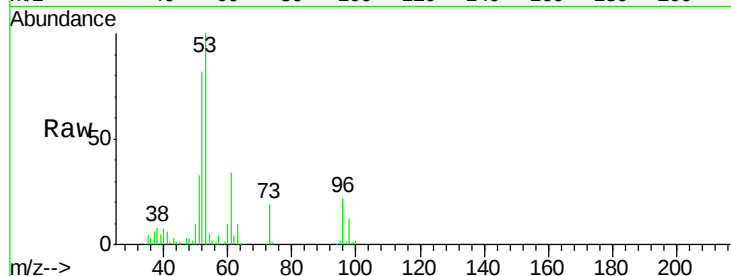
Tgt Ion: 53 Resp: 169968

Ion Ratio Lower Upper

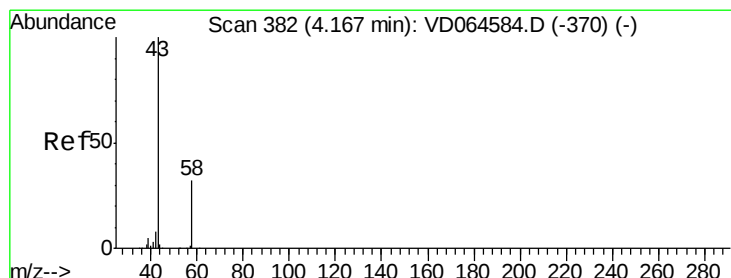
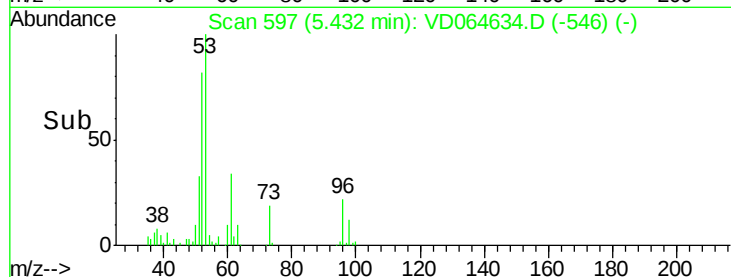
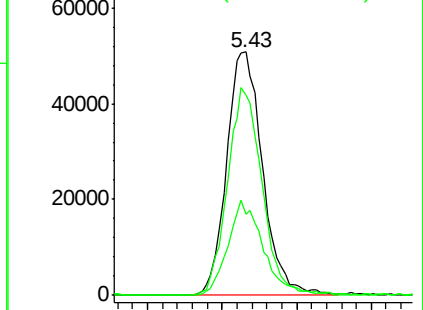
53 100

52 82.0 66.2 99.2

51 38.4 30.1 45.1



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



#16

Acetone

Concen: 284.126 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064634.D

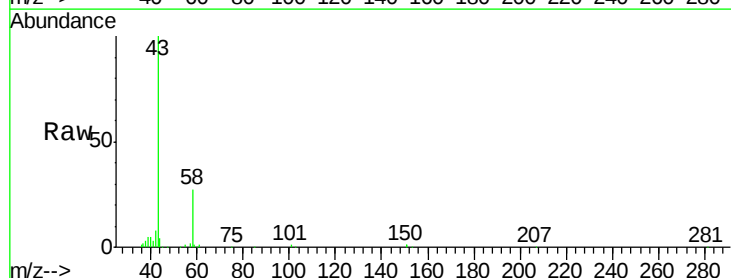
Acq: 27 Dec 2019 09:53

Tgt Ion: 43 Resp: 212884

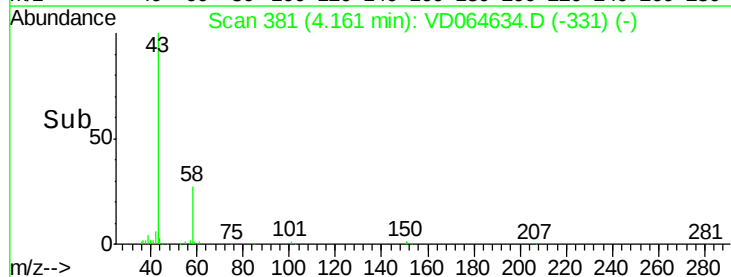
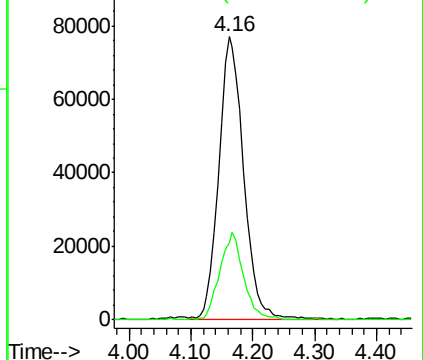
Ion Ratio Lower Upper

43 100

58 27.3 25.8 38.6



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

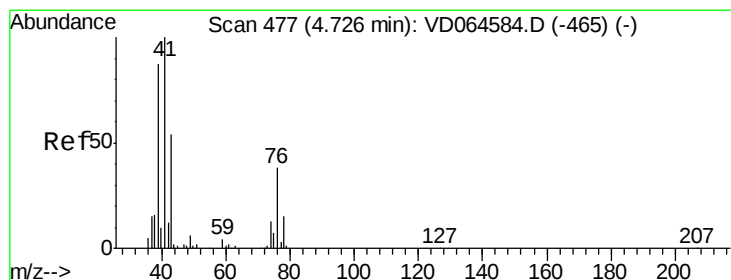
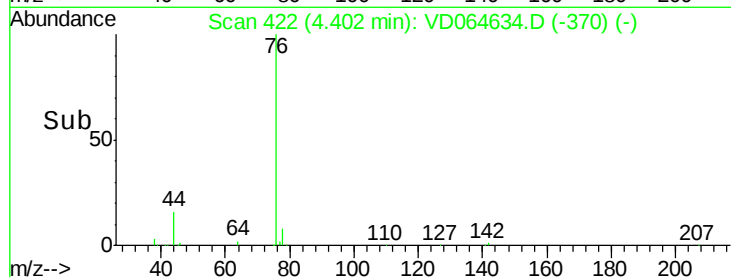
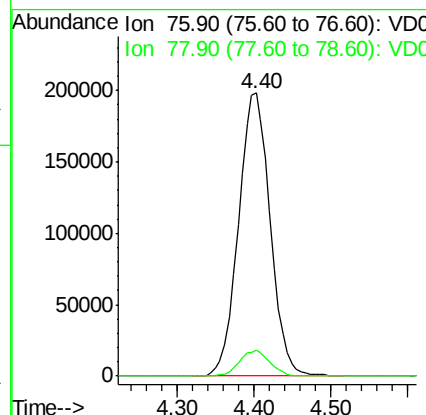
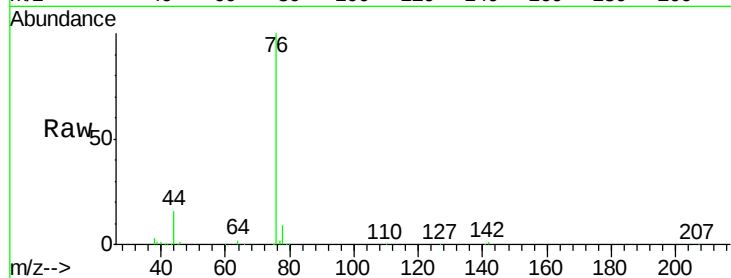




#17
Carbon Disulfide
Concen: 48.958 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

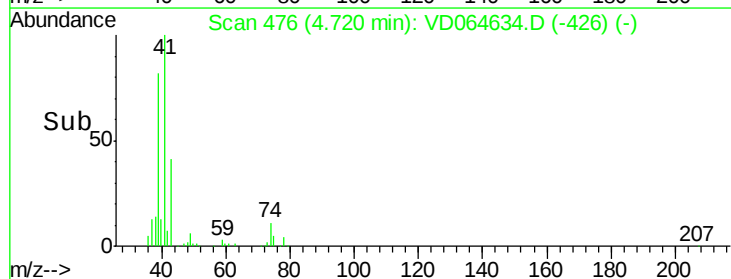
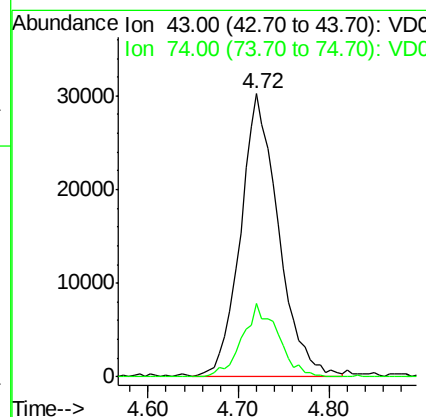
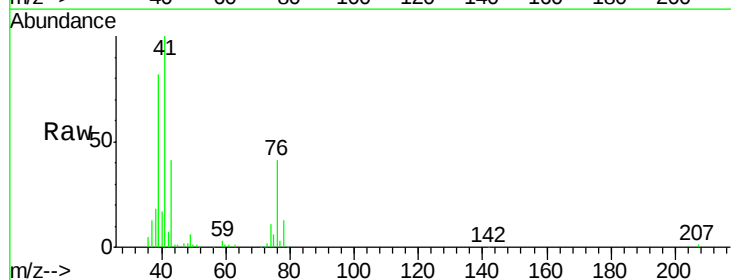
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 570488
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 43.408 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 43 Resp: 88270
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

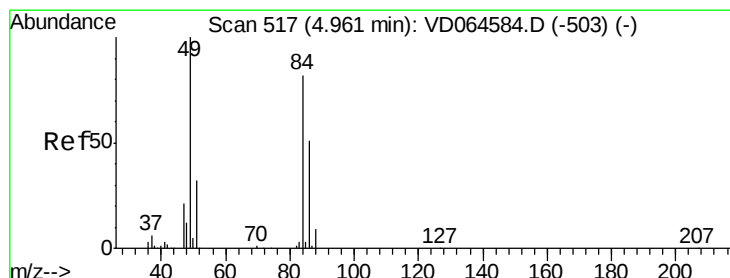
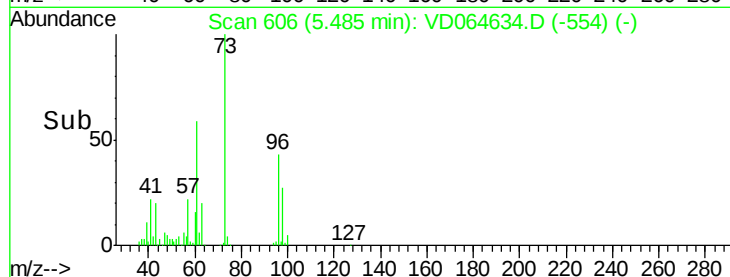
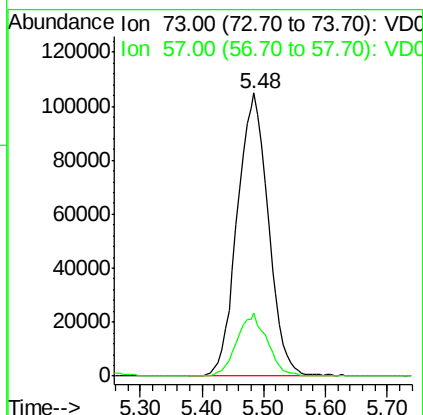
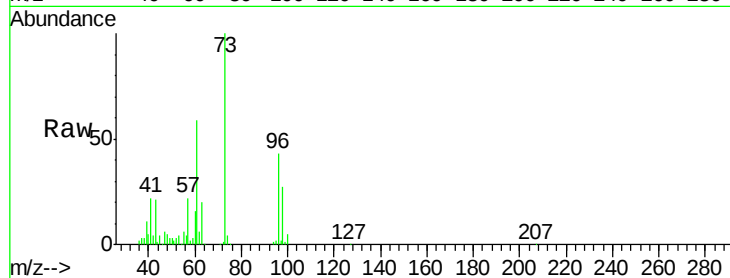




#19
Methyl tert-butyl Ether
Concen: 45.859 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

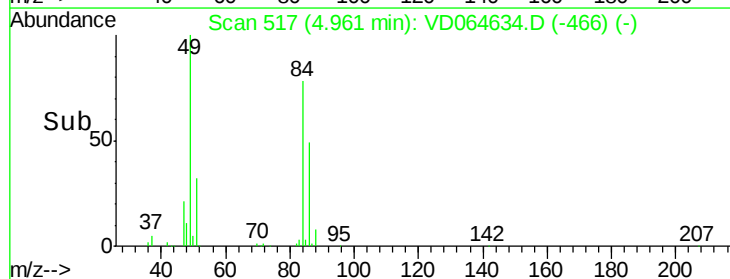
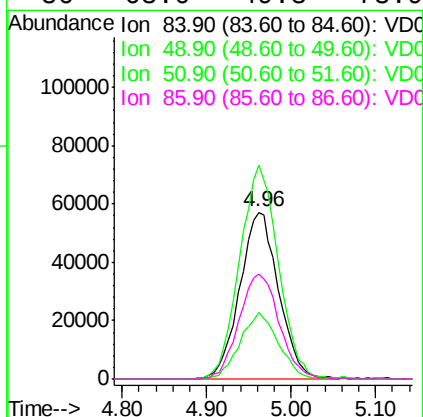
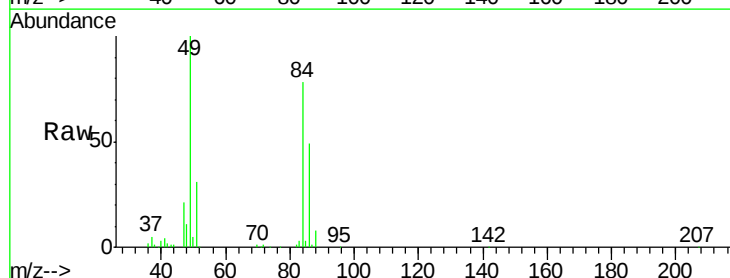
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

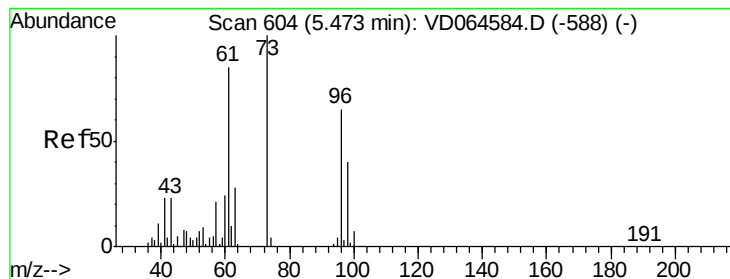
Tgt Ion: 73 Resp: 367078
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8



#20
Methylene Chloride
Concen: 49.326 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 84 Resp: 182455
Ion Ratio Lower Upper
84 100
49 128.2 97.2 145.8
51 40.3 31.4 47.0
86 63.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.172 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

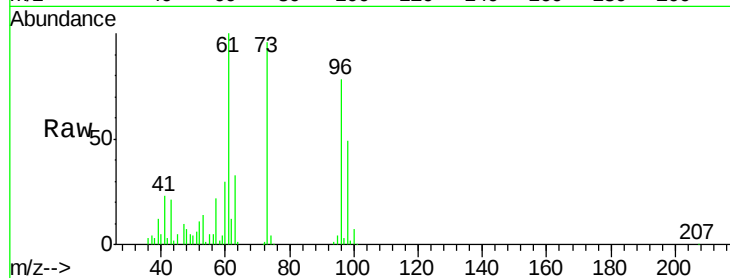
Tgt Ion: 96 Resp: 201806

Ion Ratio Lower Upper

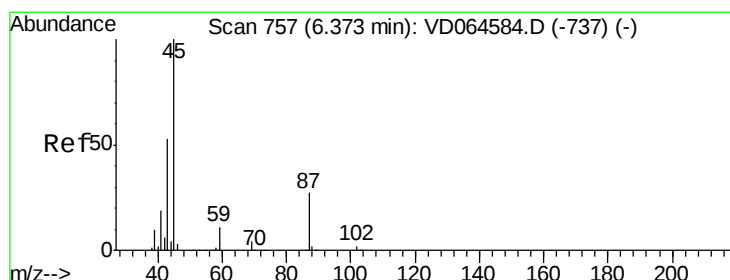
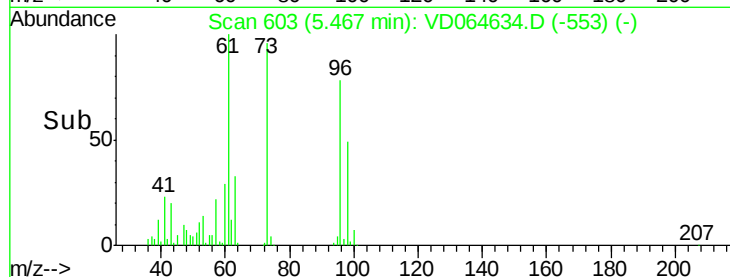
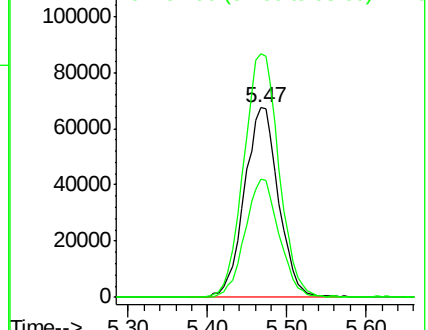
96 100

61 128.0 104.7 157.1

98 62.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 47.218 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion: 45 Resp: 529170

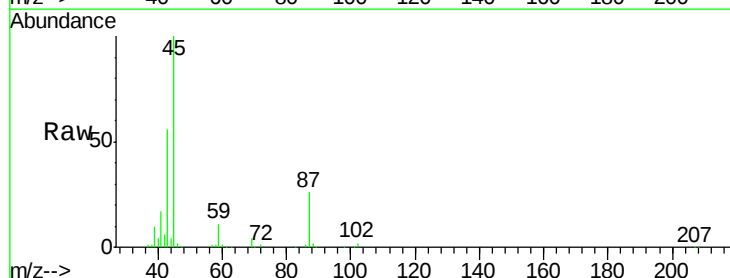
Ion Ratio Lower Upper

45 100

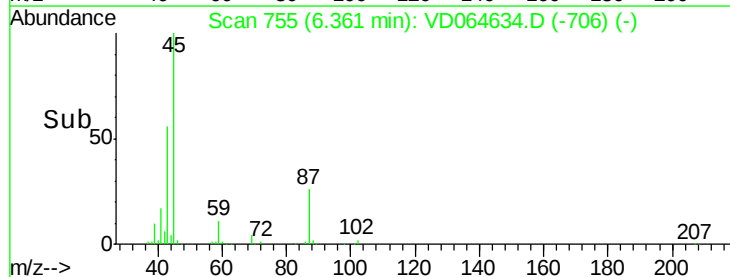
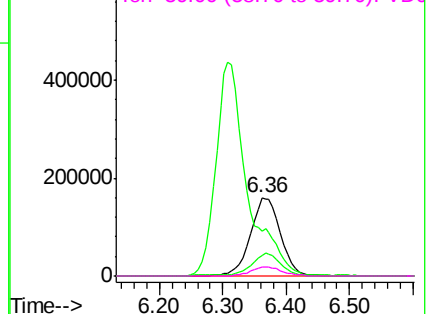
43 55.4 43.2 64.8

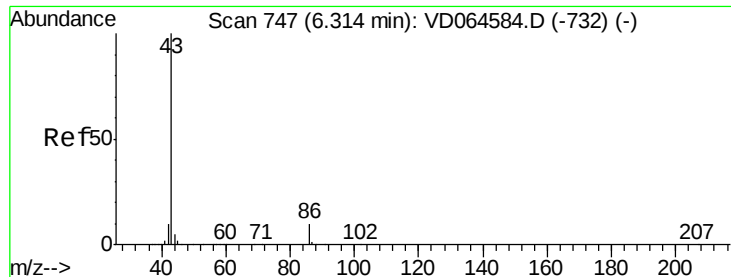
87 26.2 21.9 32.9

59 10.7 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 237.507 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

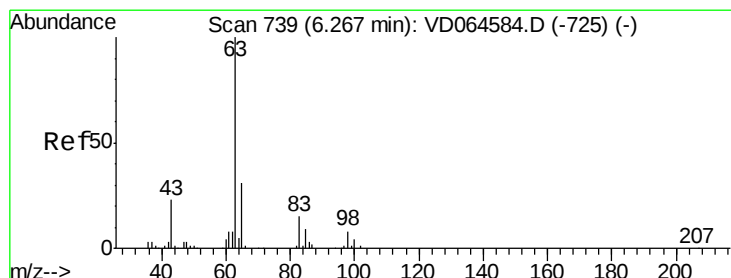
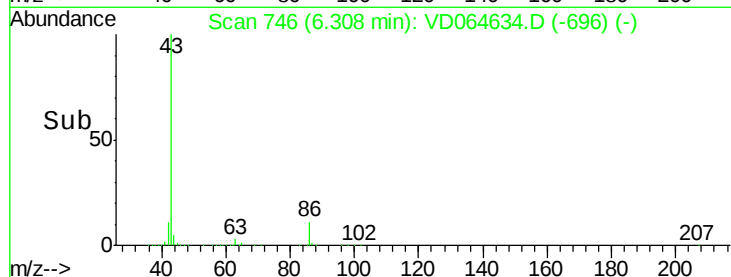
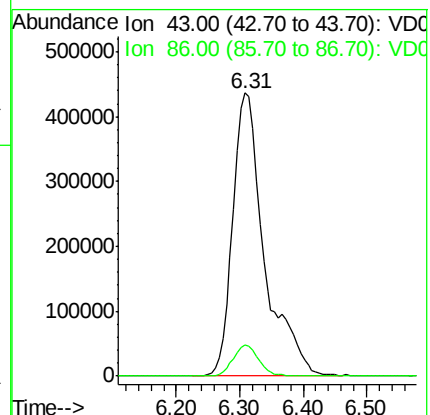
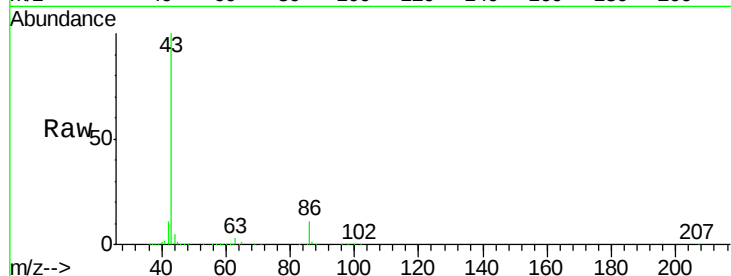
VSTDCCC050

Tgt Ion: 43 Resp: 1509898

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 49.265 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

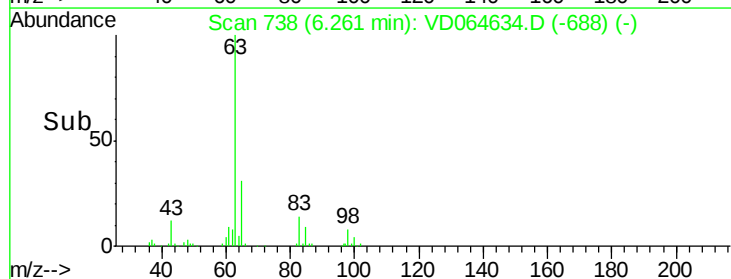
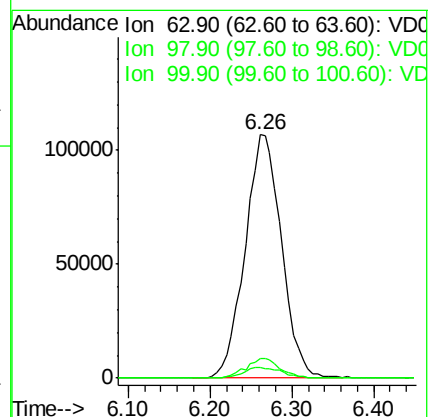
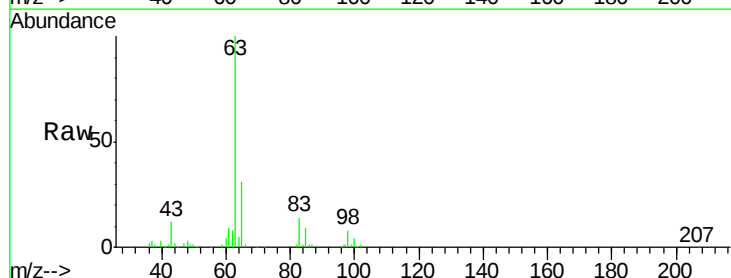
Tgt Ion: 63 Resp: 331452

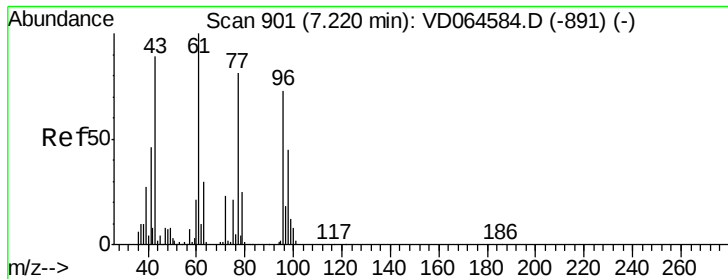
Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 244.935 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

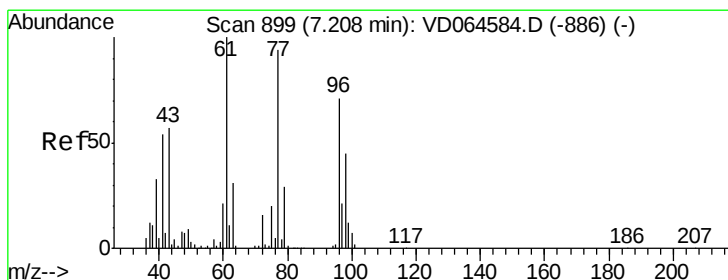
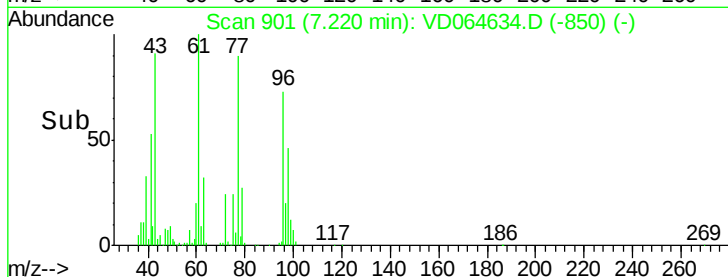
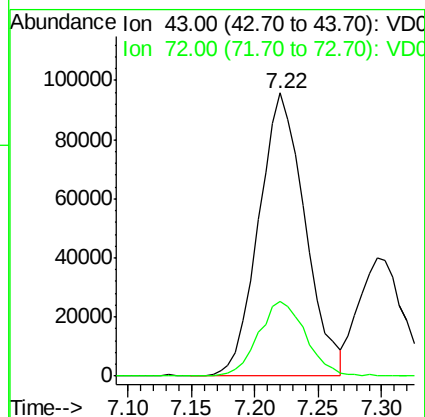
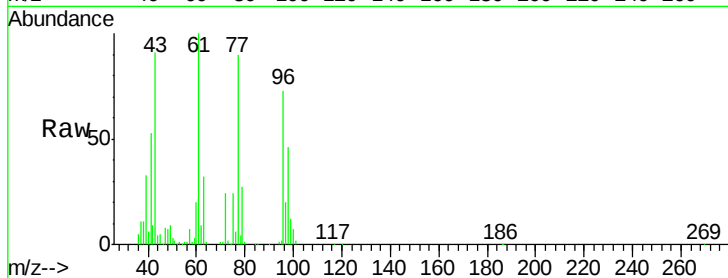
VSTDCCC050

Tgt Ion: 43 Resp: 243181

Ion Ratio Lower Upper

43 100

72 26.3 20.7 31.1



#26

2,2-Dichloropropane

Concen: 49.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064634.D

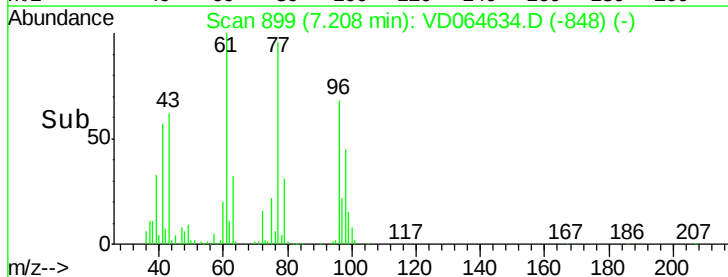
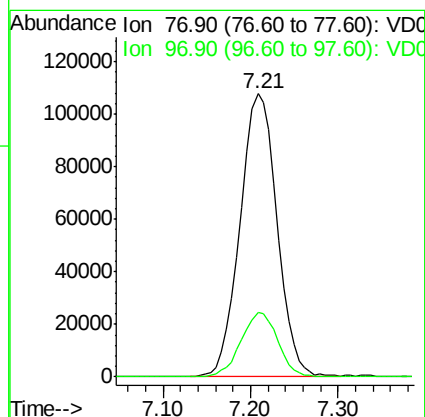
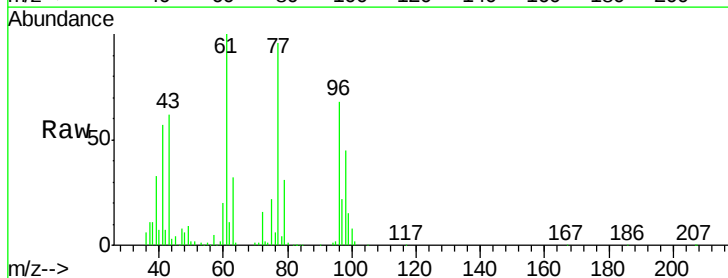
Acq: 27 Dec 2019 09:53

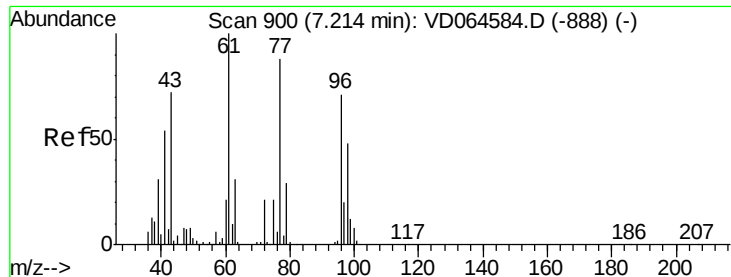
Tgt Ion: 77 Resp: 309352

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6



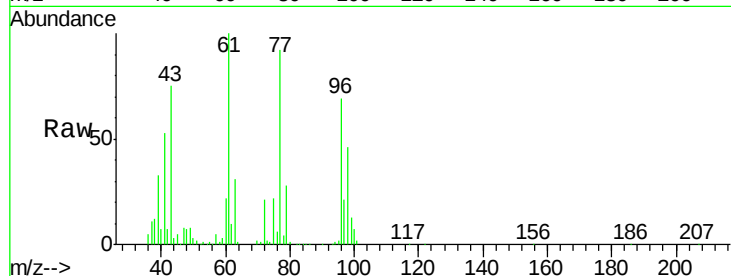


#27

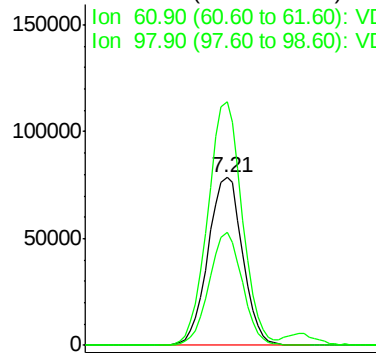
cis-1,2-Dichloroethene
Concen: 47.721 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

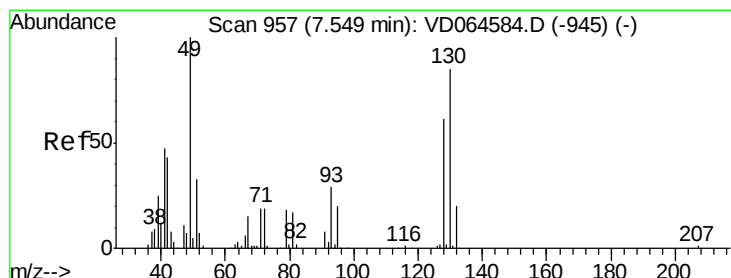
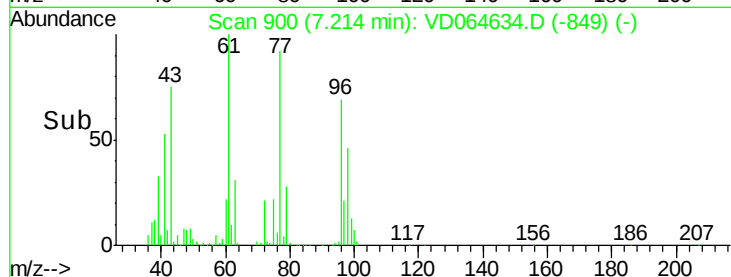
Tgt Ion: 96 Resp: 211369
Ion Ratio Lower Upper
96 100
61 143.5 0.0 282.6
98 64.3 0.0 130.8



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



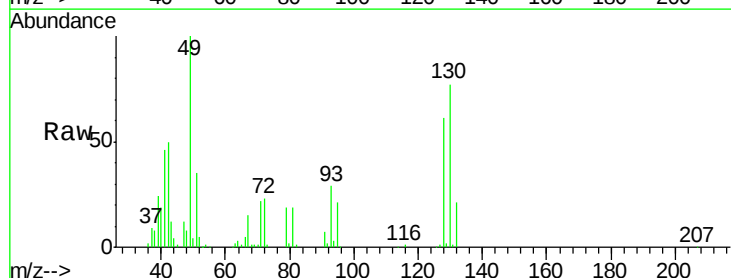
Time-->



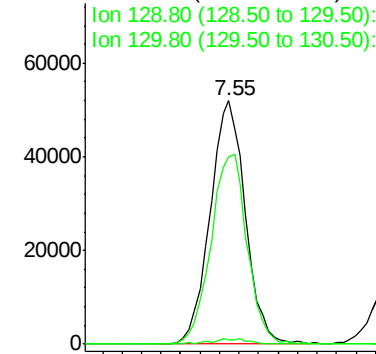
#28

Bromochloromethane
Concen: 49.998 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

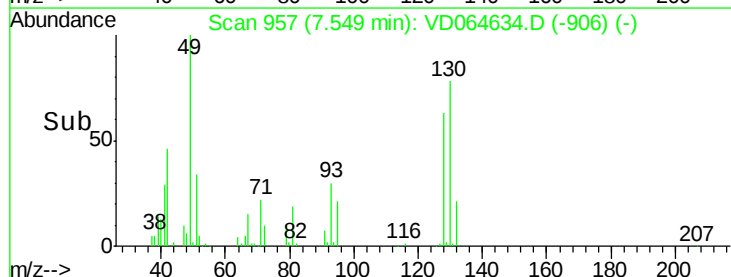
Tgt Ion: 49 Resp: 130761
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.8
130 80.3 65.0 97.6

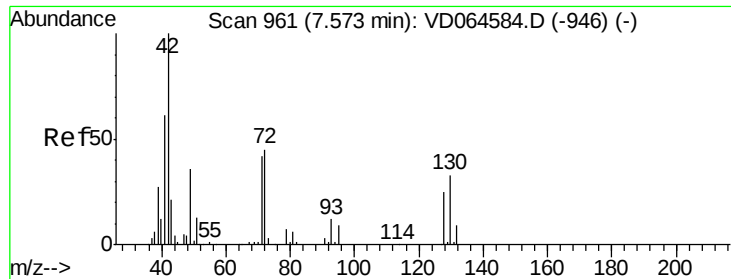


Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



Time-->

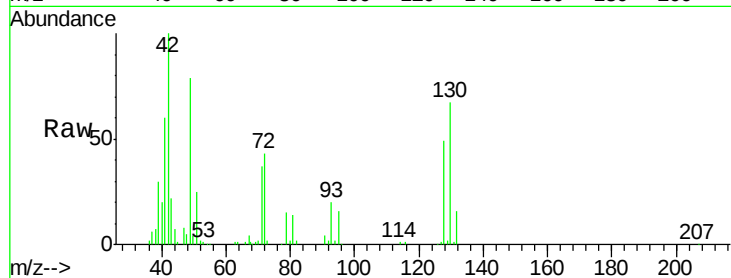




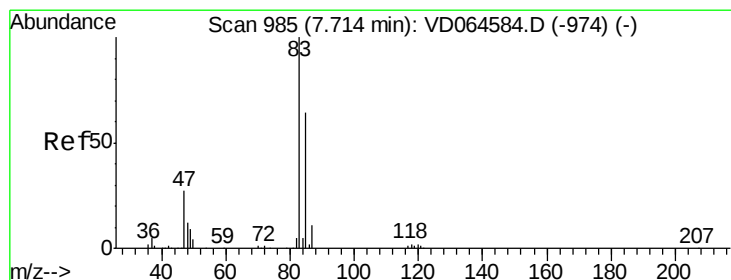
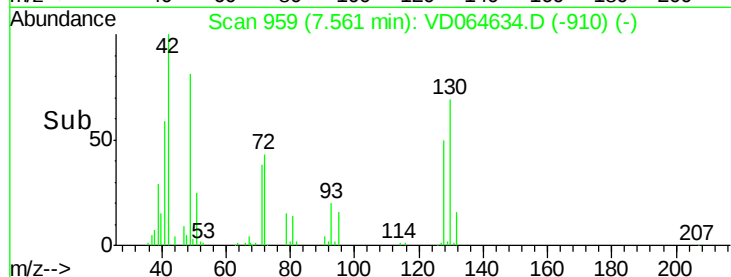
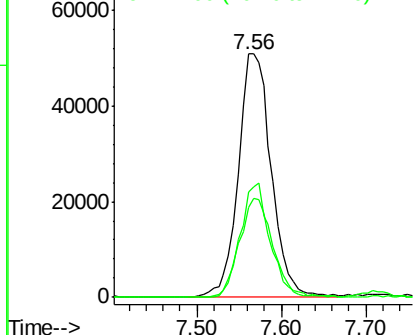
#29
Tetrahydrofuran
Concen: 223.157 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 137782
Ion Ratio Lower Upper
42 100
72 43.4 35.0 52.4
71 39.8 32.9 49.3

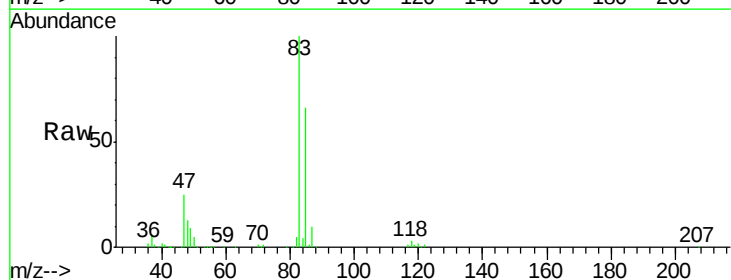


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

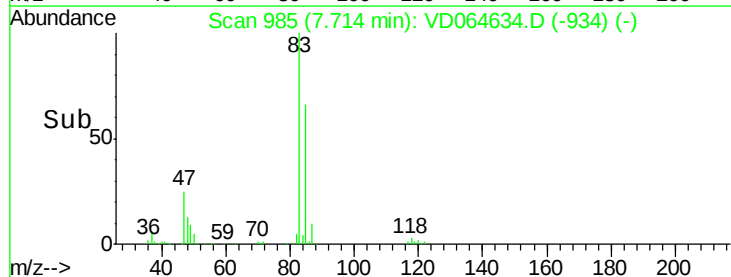
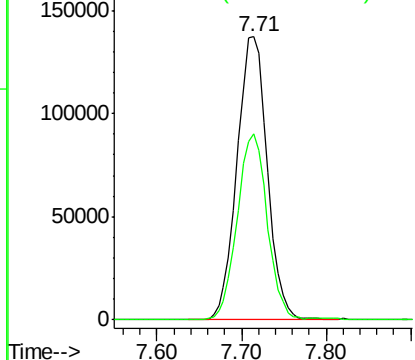


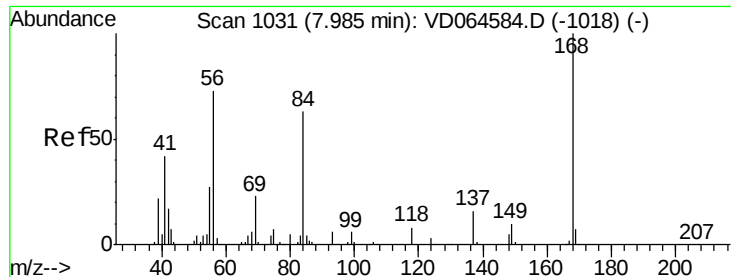
#30
Chloroform
Concen: 48.331 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 83 Resp: 341152
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7



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

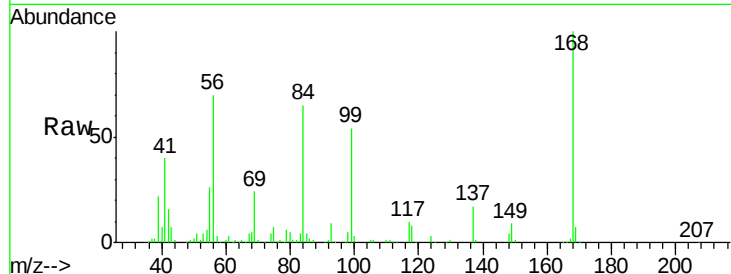




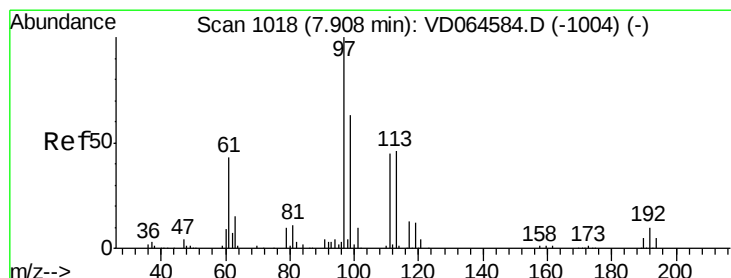
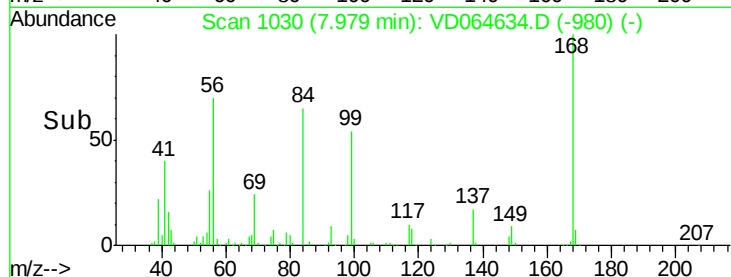
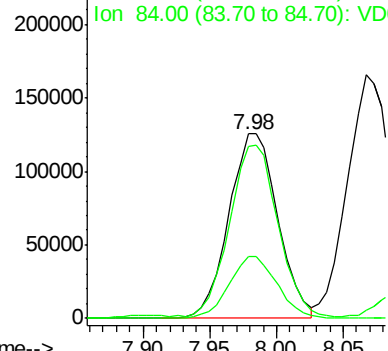
#31
Cyclohexane
Concen: 47.337 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 318796
Ion Ratio Lower Upper
56 100
69 33.8 24.7 37.1
84 91.8 69.4 104.2

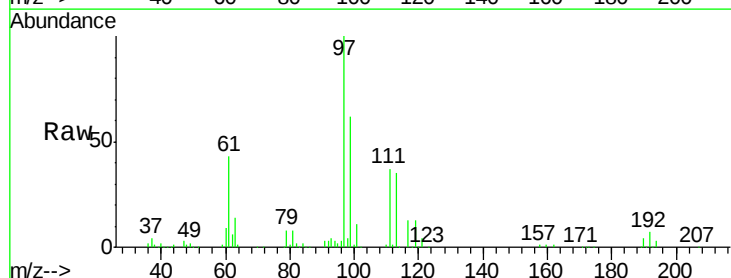


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

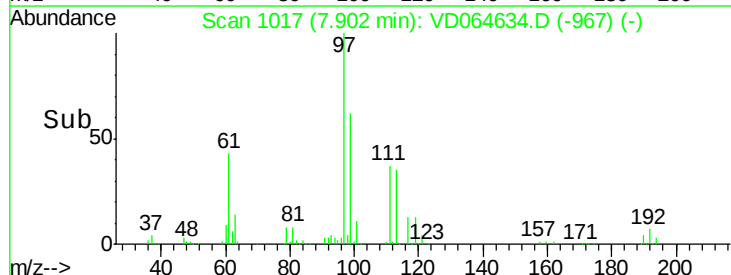
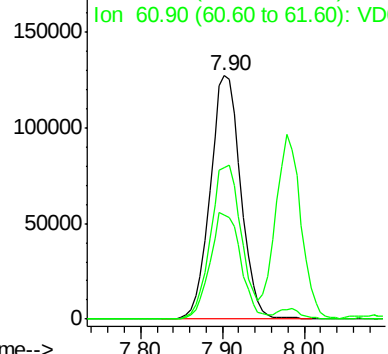


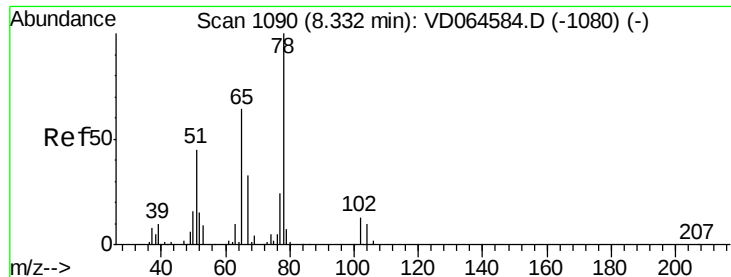
#32
1,1,1-Trichloroethane
Concen: 49.780 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 97 Resp: 330041
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 44.4 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 47.386 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

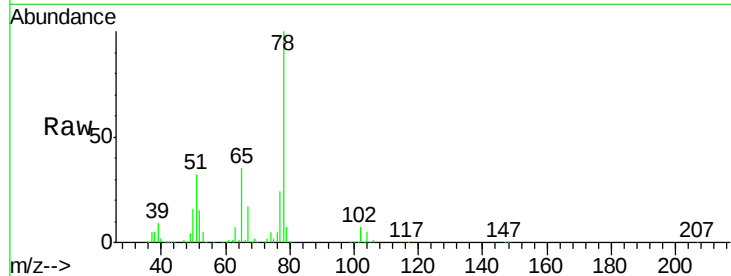
VSTDCCC050

Tgt Ion: 65 Resp: 171156

Ion Ratio Lower Upper

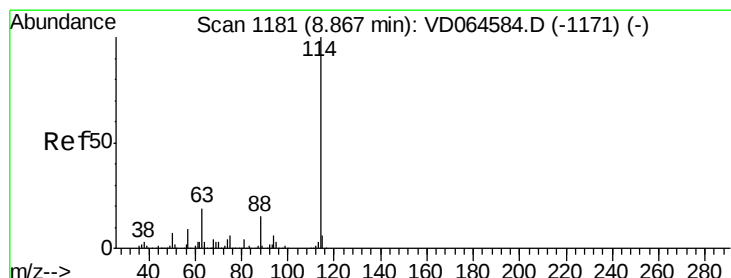
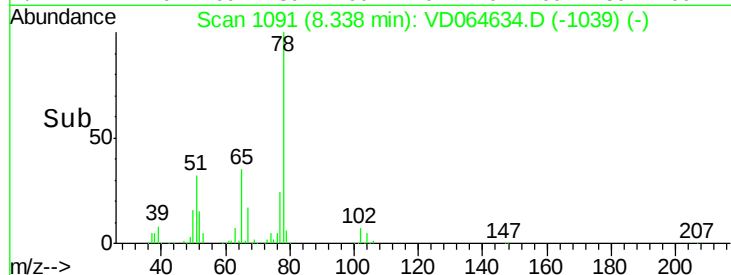
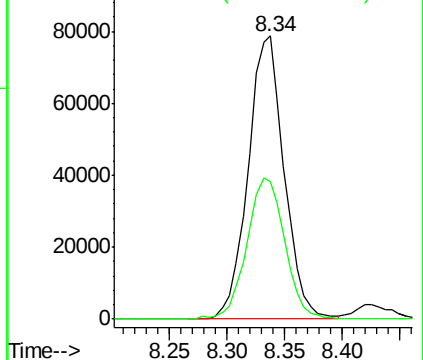
65 100

67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

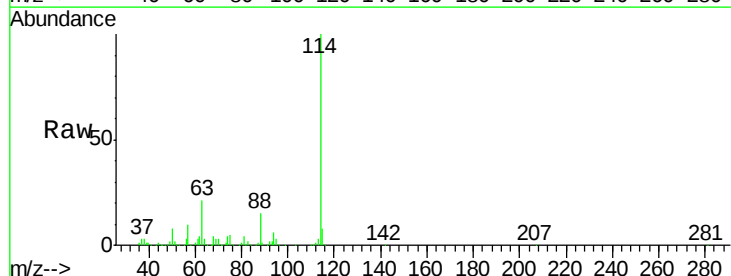
Tgt Ion: 114 Resp: 568518

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

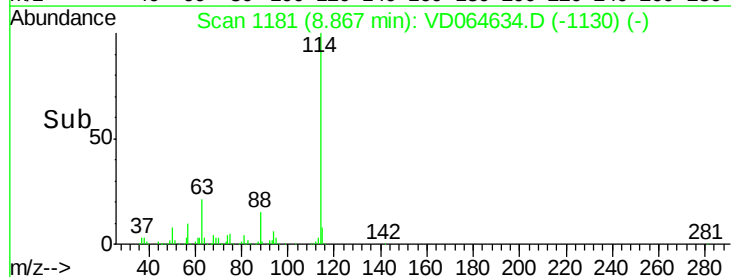
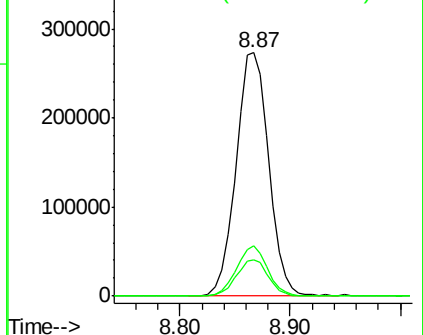
88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

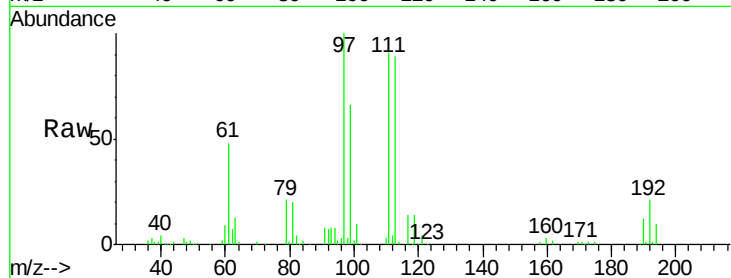




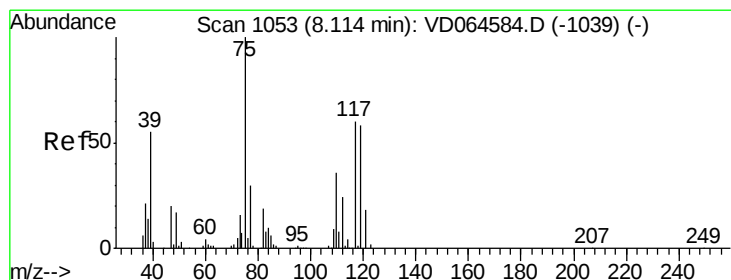
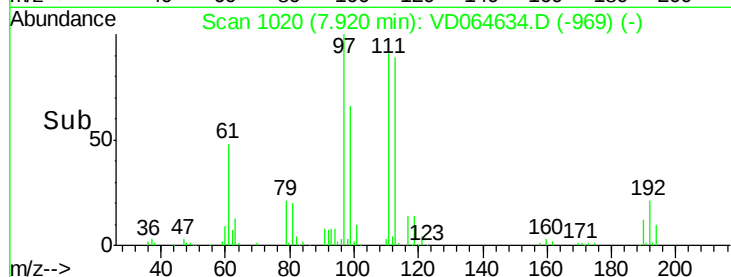
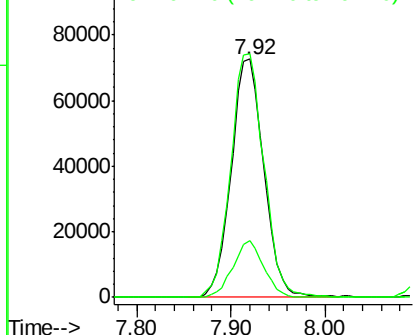
#35
 Dibromofluoromethane
 Concen: 50.200 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 175094
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.6 121.0
 192 22.4 17.9 26.9

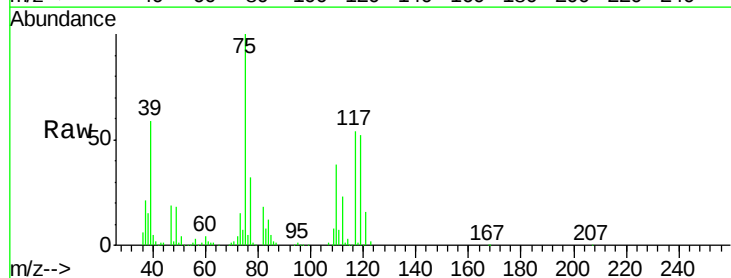


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

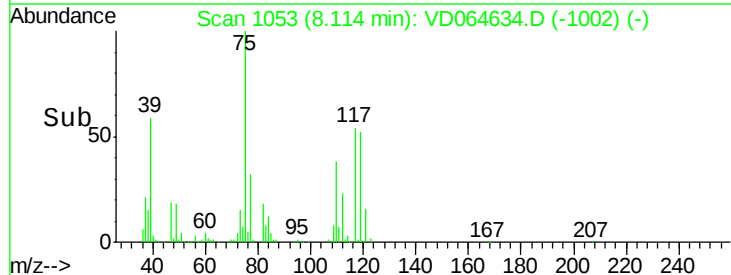
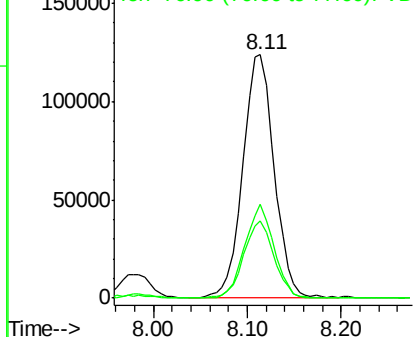


#36
 1,1-Dichloropropene
 Concen: 52.046 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 75 Resp: 284795
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.1
 77 31.2 24.2 36.4



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

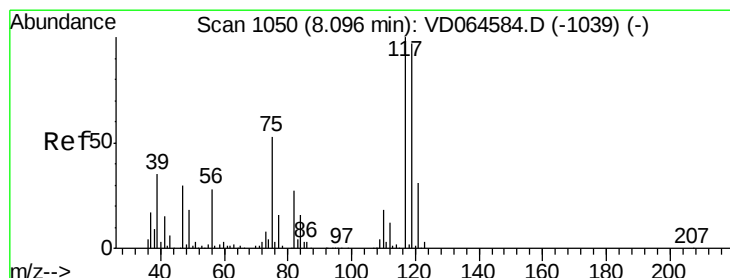
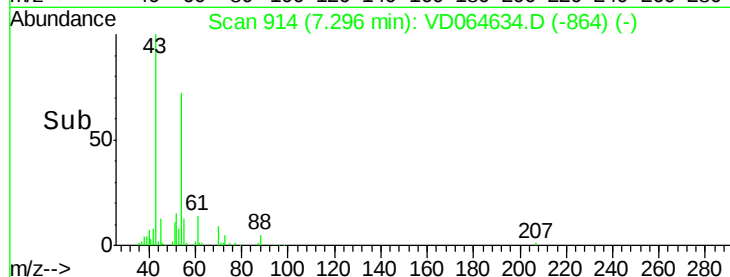
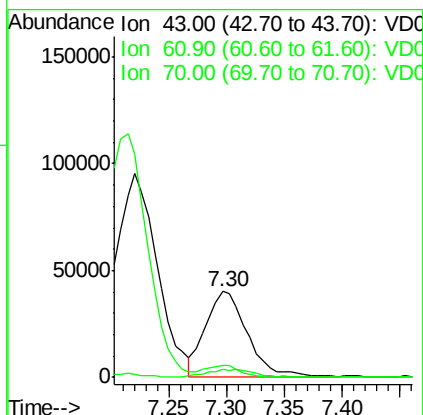
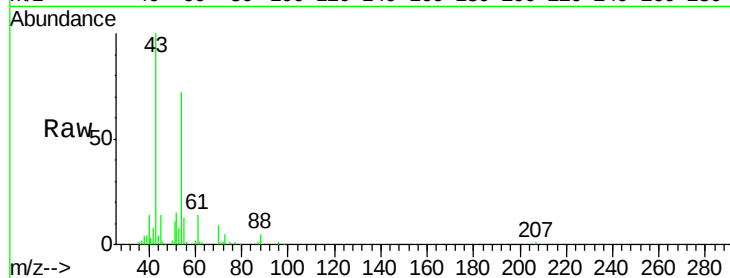




#37
 Ethyl Acetate
 Concen: 46.213 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

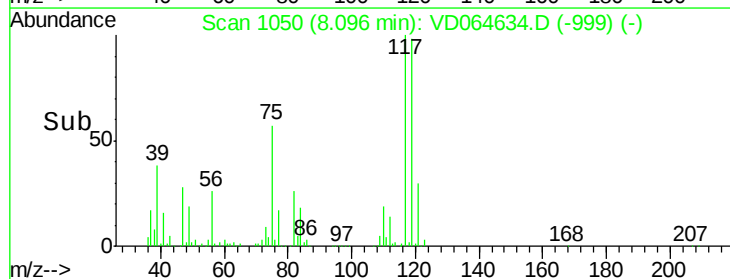
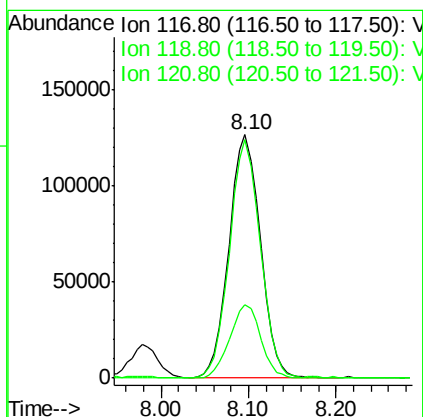
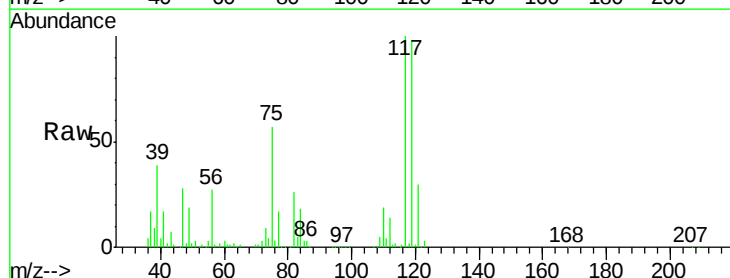
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

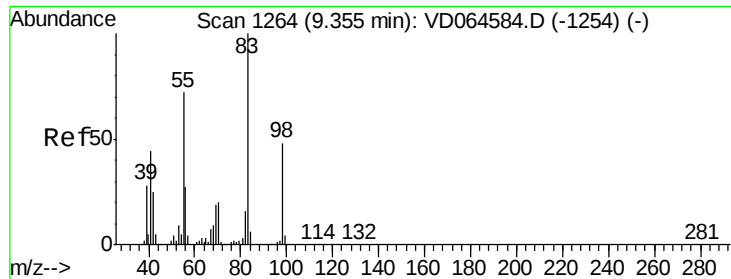
Tgt Ion: 43 Resp: 99343
 Ion Ratio Lower Upper
 43 100
 61 14.5 10.3 15.5
 70 9.5 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 52.946 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 117 Resp: 308923
 Ion Ratio Lower Upper
 117 100
 119 97.7 77.3 115.9
 121 30.3 25.0 37.6

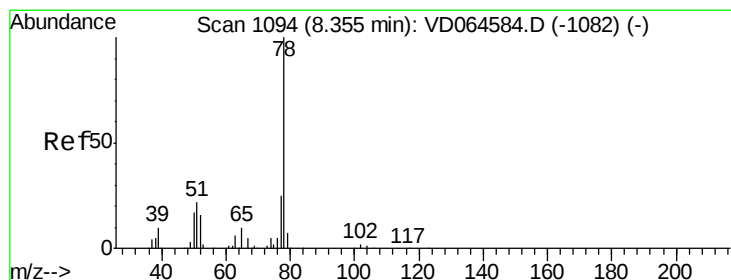
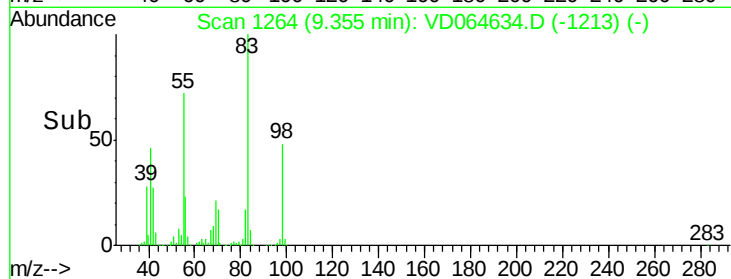
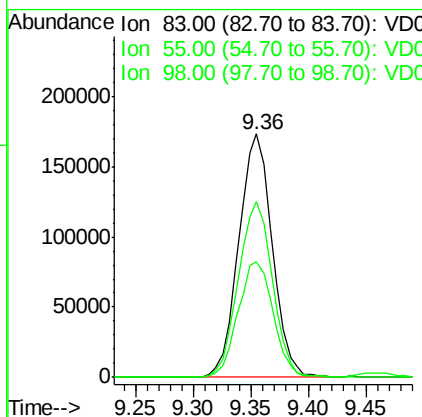
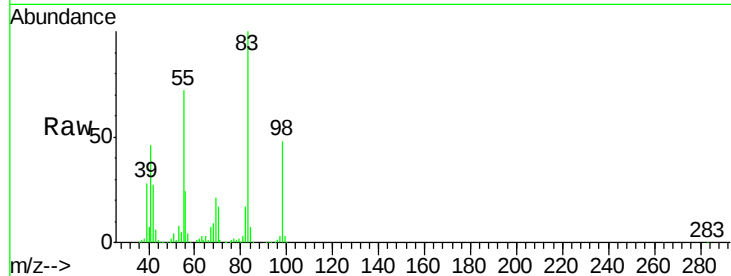




#39
Methylcyclohexane
Concen: 52.827 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

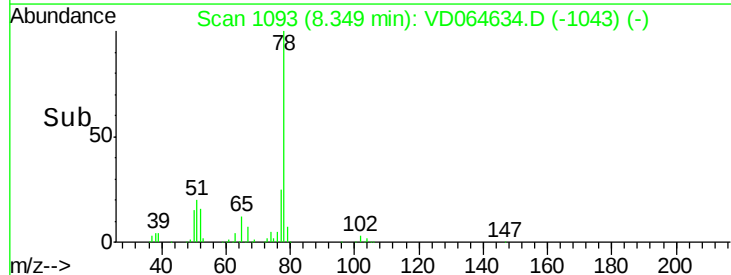
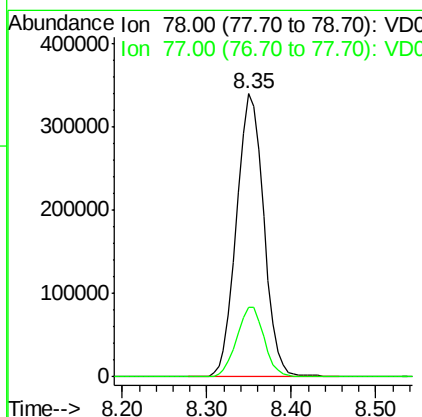
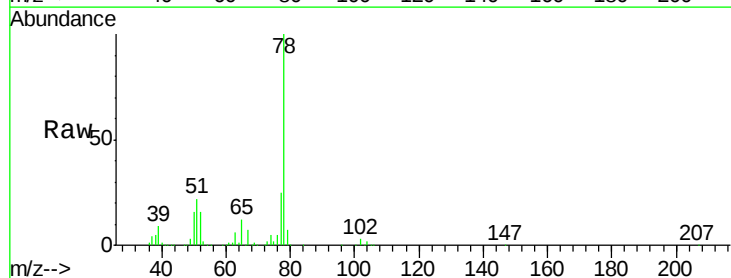
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

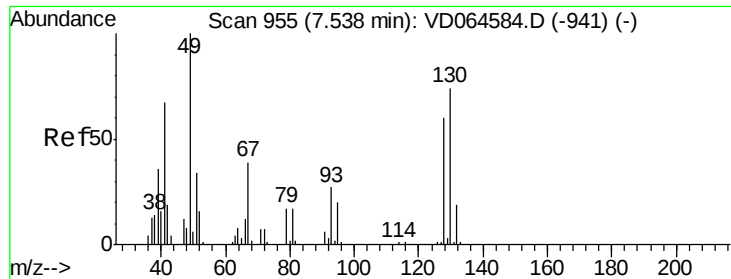
Tgt Ion: 83 Resp: 350114
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 47.7 38.7 58.1



#40
Benzene
Concen: 50.898 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 78 Resp: 760308
Ion Ratio Lower Upper
78 100
77 24.6 19.9 29.9





#41

Methacrylonitrile

Concen: 54.213 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 67617

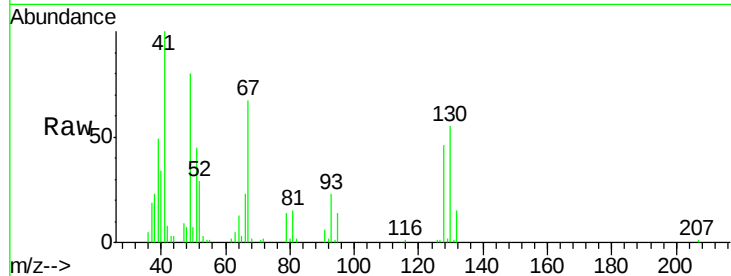
Ion Ratio Lower Upper

41 100

39 42.1 46.7 70.1#

67 62.2 52.5 78.7

52 27.2 24.1 36.1

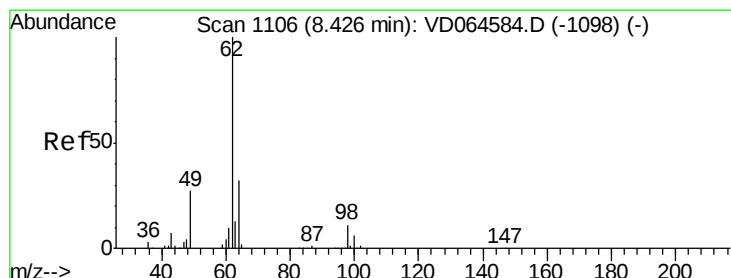
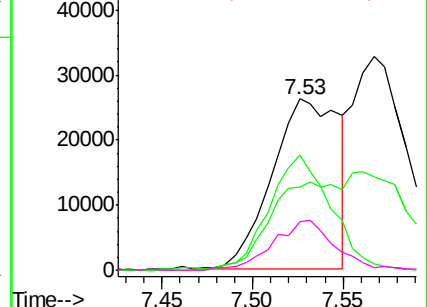
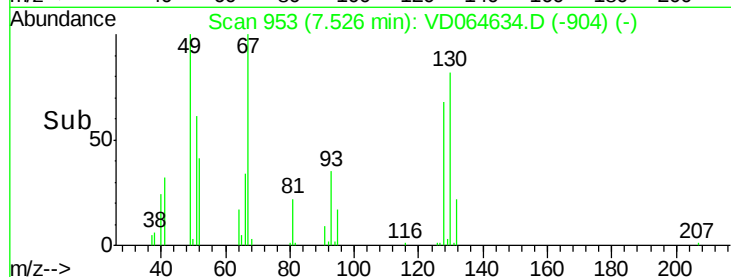


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.091 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064634.D

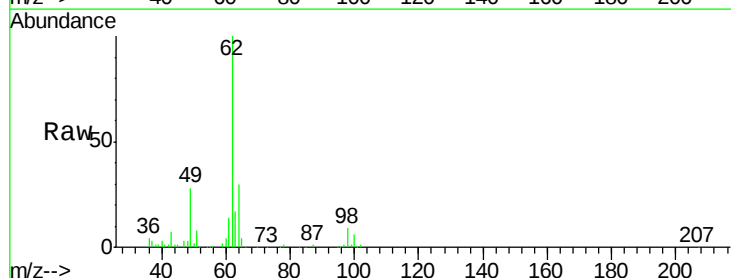
Acq: 27 Dec 2019 09:53

Tgt Ion: 62 Resp: 216225

Ion Ratio Lower Upper

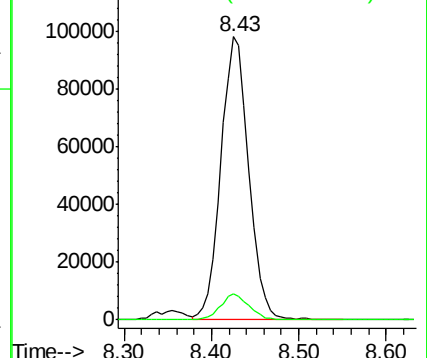
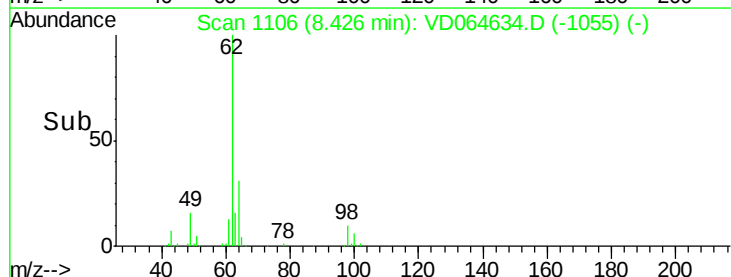
62 100

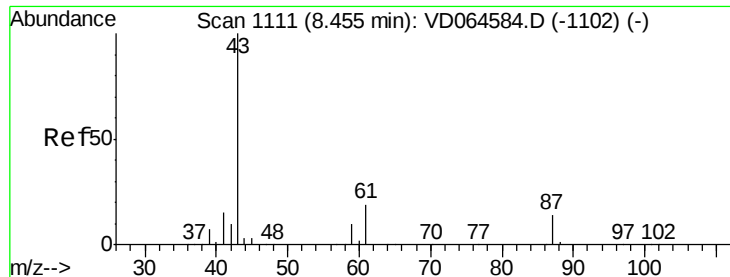
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.658 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

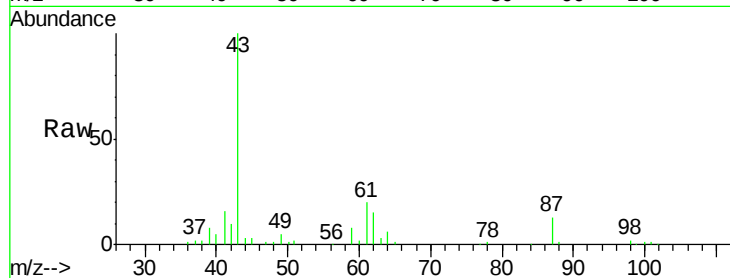
Tgt Ion: 43 Resp: 199639

Ion Ratio Lower Upper

43 100

61 29.5 23.7 35.5

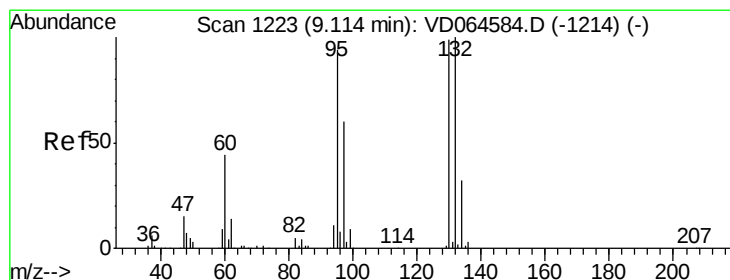
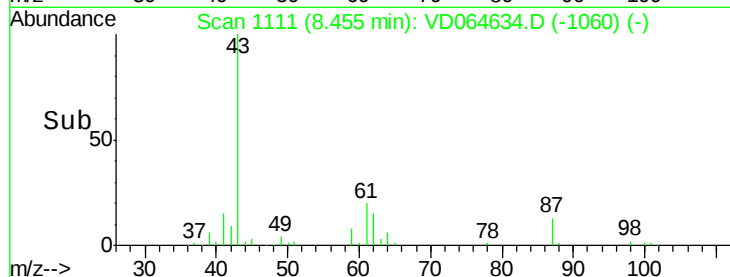
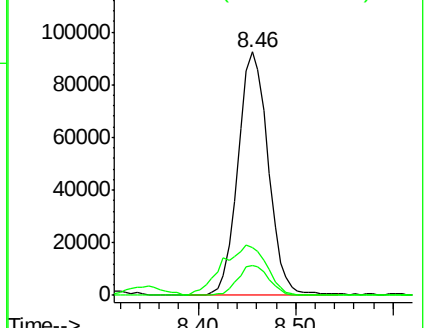
87 12.7 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.861 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064634.D

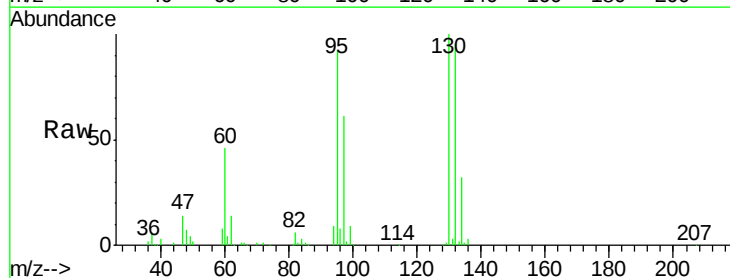
Acq: 27 Dec 2019 09:53

Tgt Ion: 130 Resp: 223192

Ion Ratio Lower Upper

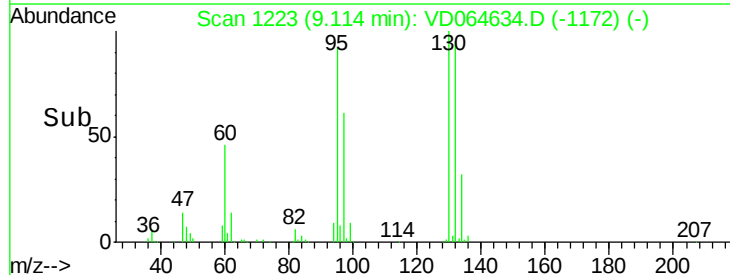
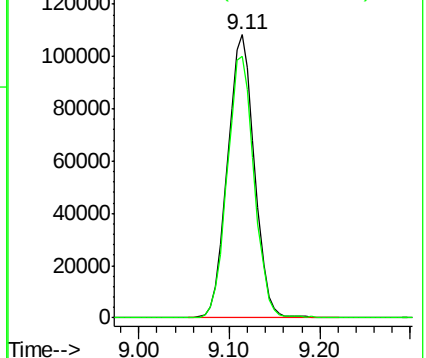
130 100

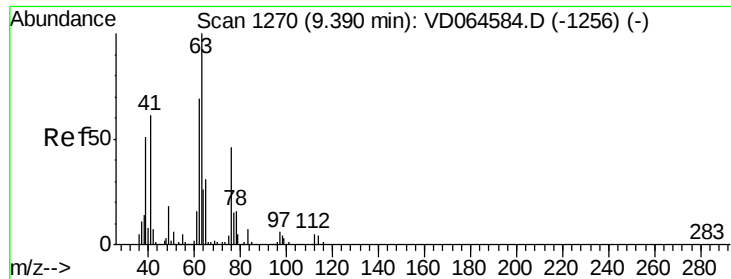
95 92.3 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

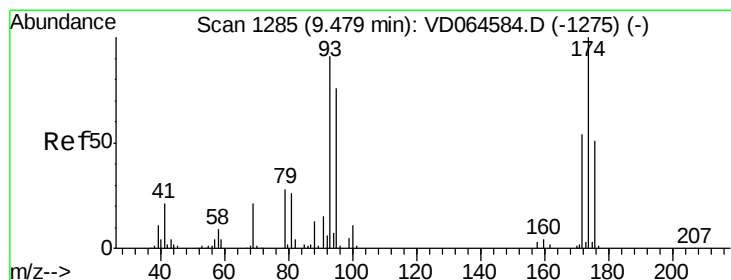
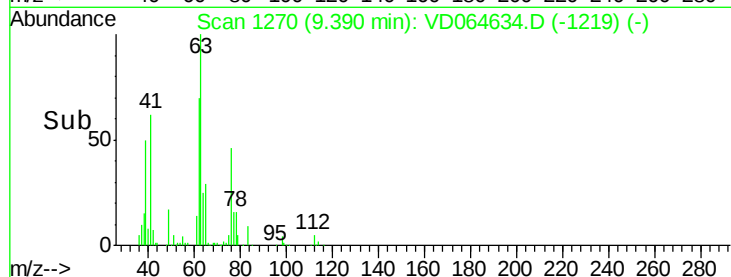
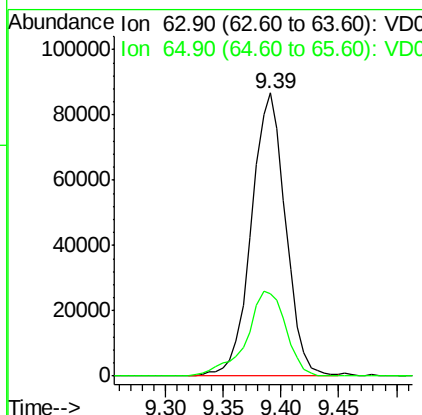
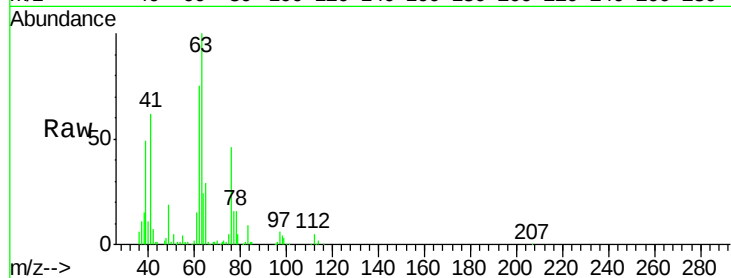




#45
 1,2-Dichloropropane
 Concen: 50.263 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

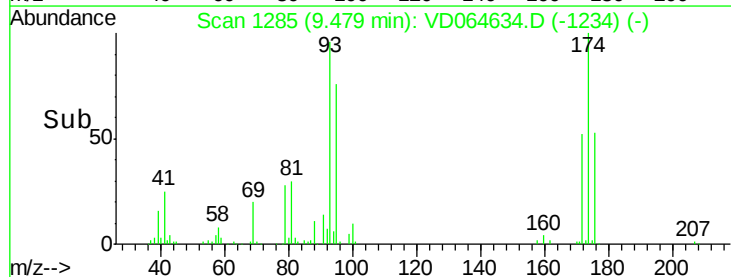
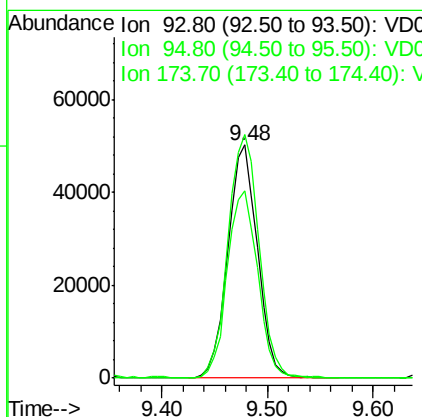
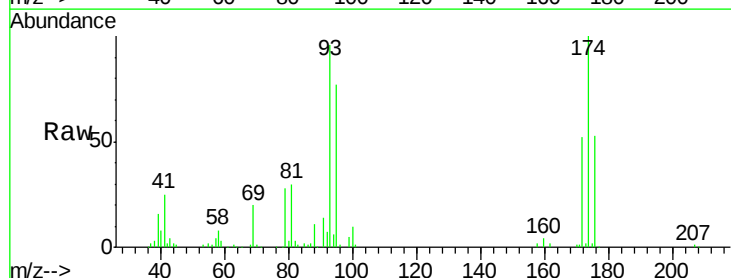
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

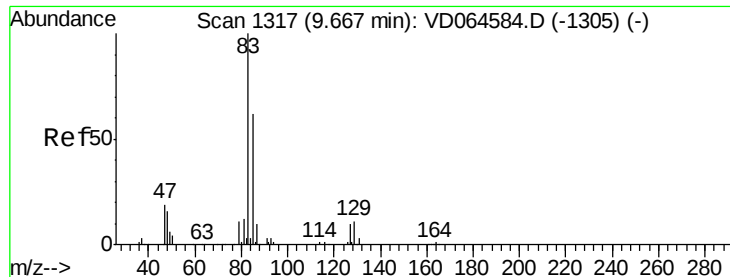
Tgt Ion: 63 Resp: 179267
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.2 37.8



#46
 Dibromomethane
 Concen: 48.832 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 93 Resp: 97103
 Ion Ratio Lower Upper
 93 100
 95 82.7 64.6 97.0
 174 109.3 88.1 132.1





#47

Bromodichloromethane

Concen: 49.368 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

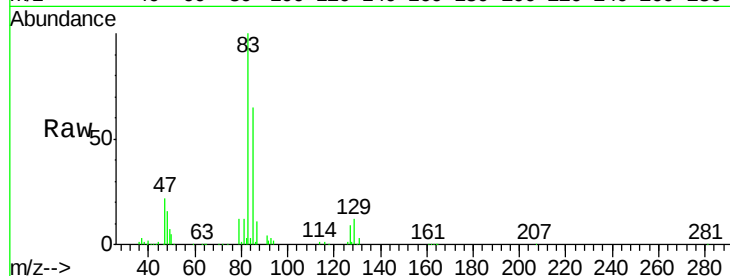
Tgt Ion: 83 Resp: 261226

Ion Ratio Lower Upper

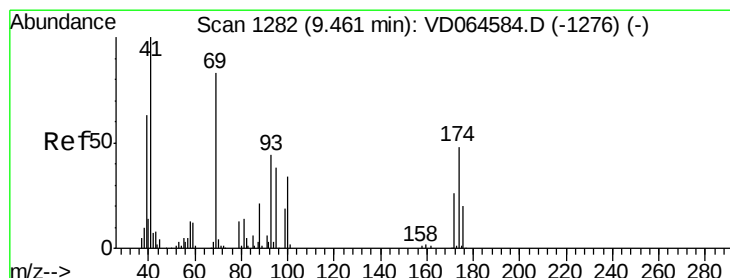
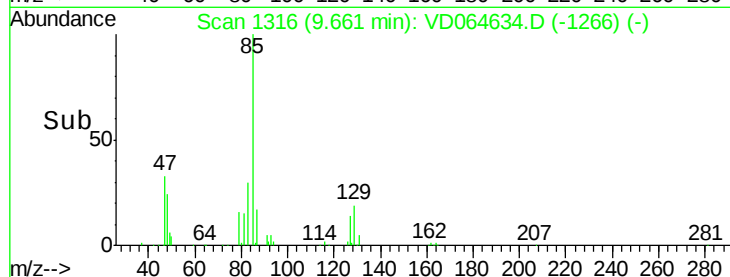
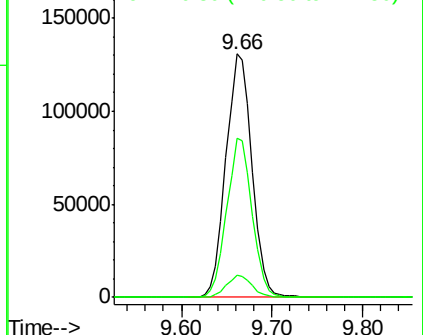
83 100

85 65.1 49.5 74.3

127 8.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 49.415 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

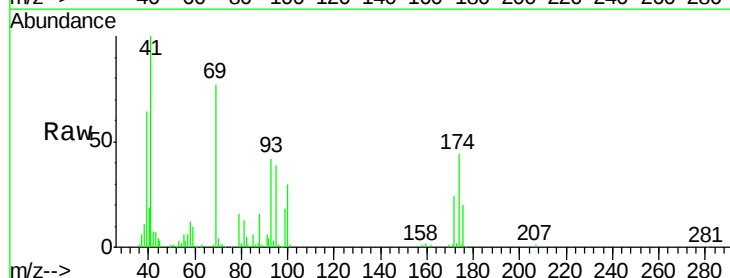
Tgt Ion: 41 Resp: 99555

Ion Ratio Lower Upper

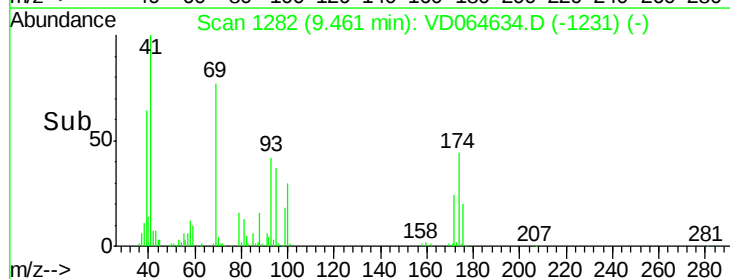
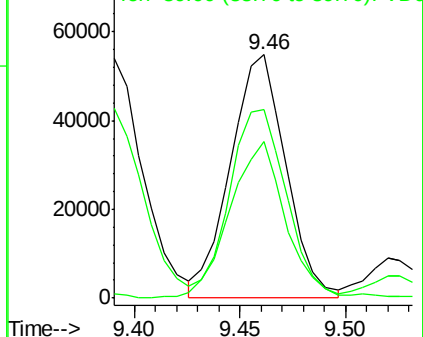
41 100

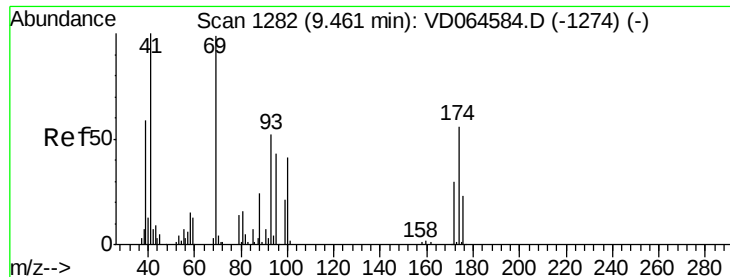
69 79.3 63.0 94.6

39 59.5 47.4 71.2



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

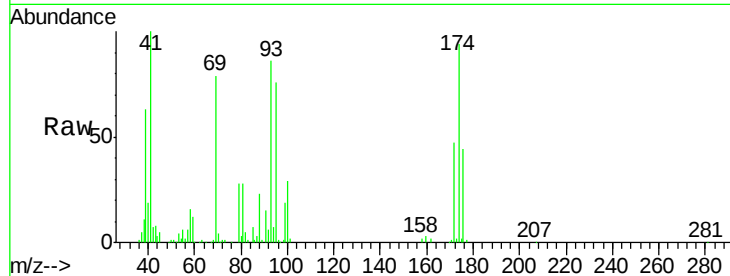




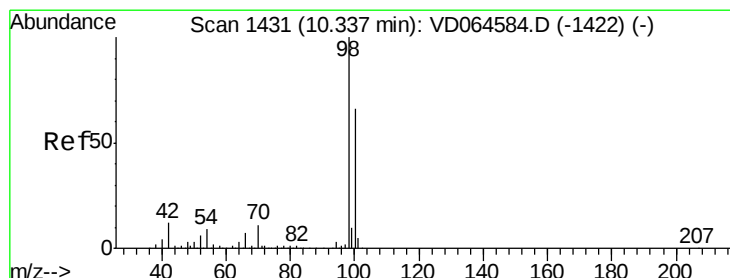
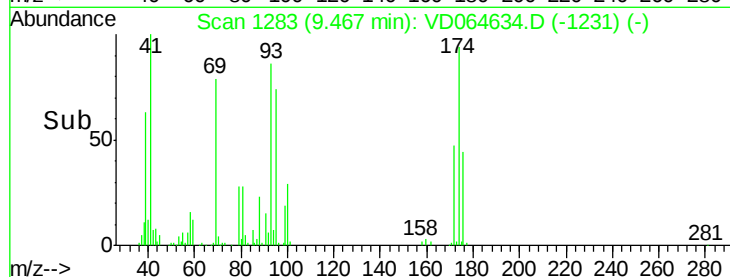
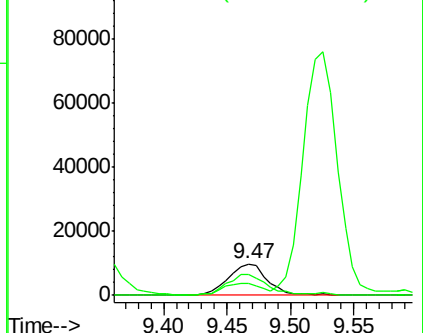
#49
1,4-Dioxane
Concen: 903.708 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 20721
Ion Ratio Lower Upper
88 100
43 34.2 27.7 41.5
58 69.8 53.8 80.6

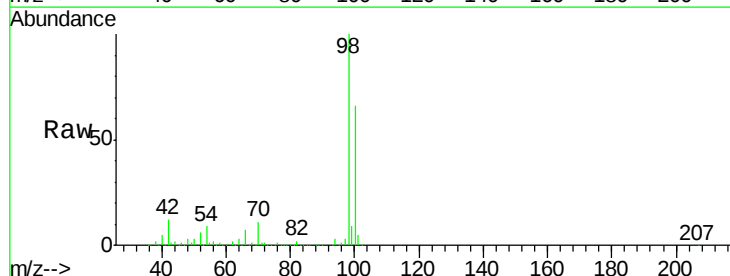


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

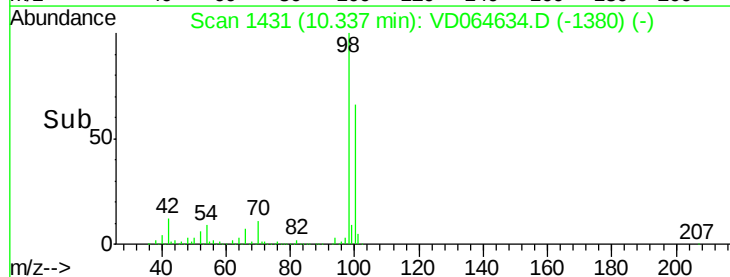
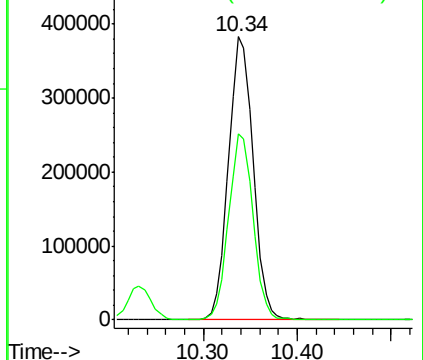


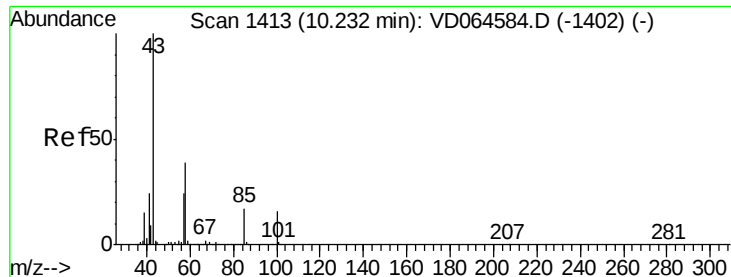
#50
Toluene-d8
Concen: 52.496 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 98 Resp: 701274
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

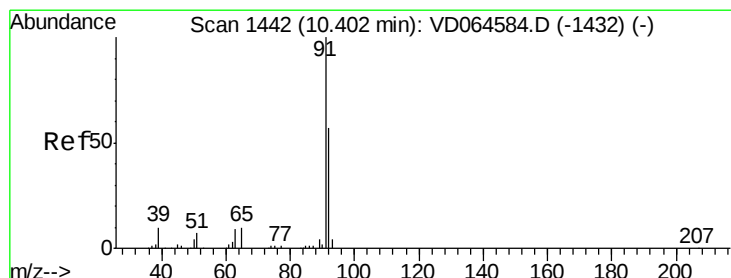
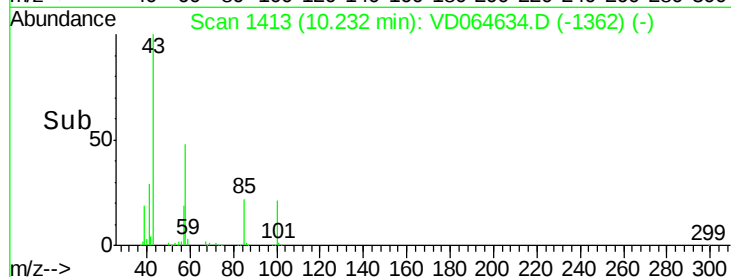
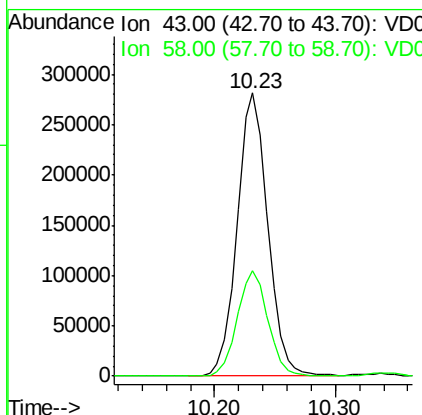
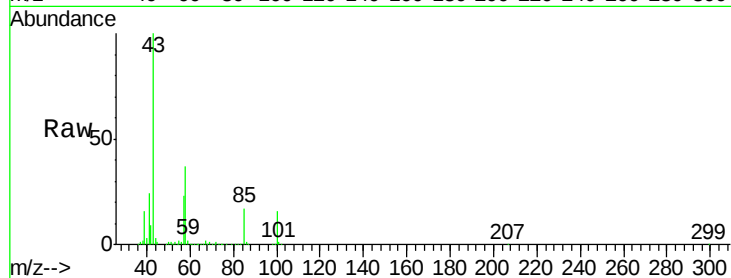




#51
 4-Methyl-2-Pentanone
 Concen: 235.472 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

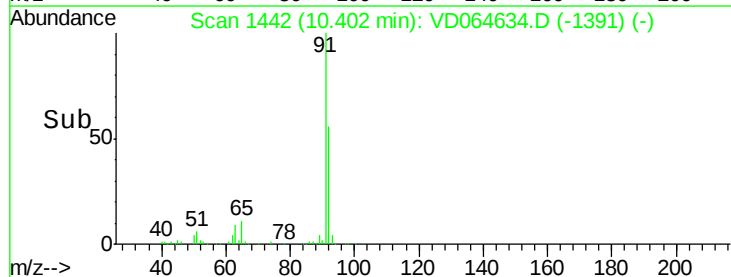
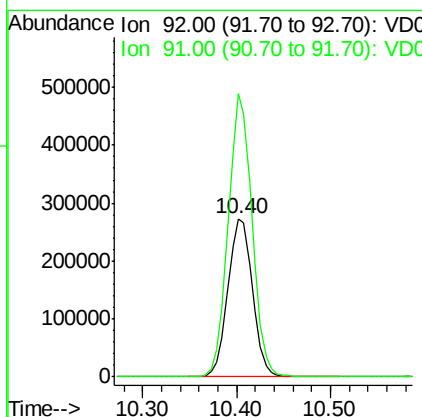
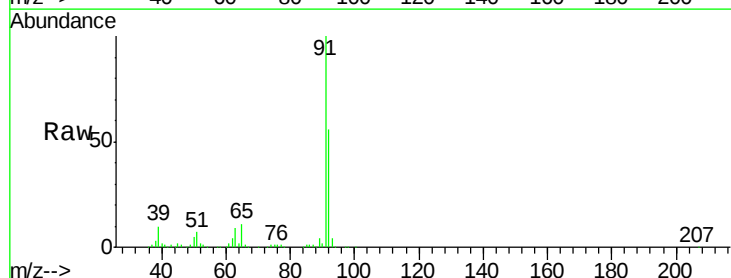
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

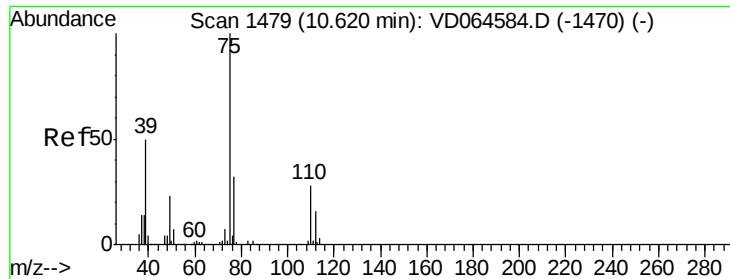
Tgt Ion: 43 Resp: 497997
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2



#52
 Toluene
 Concen: 50.588 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 92 Resp: 495781
 Ion Ratio Lower Upper
 92 100
 91 173.7 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 49.296 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

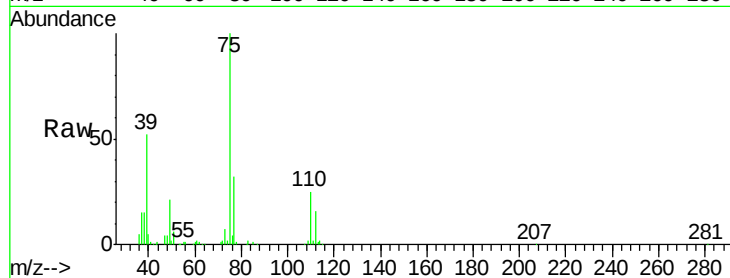
VSTDCCC050

Tgt Ion: 75 Resp: 243187

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

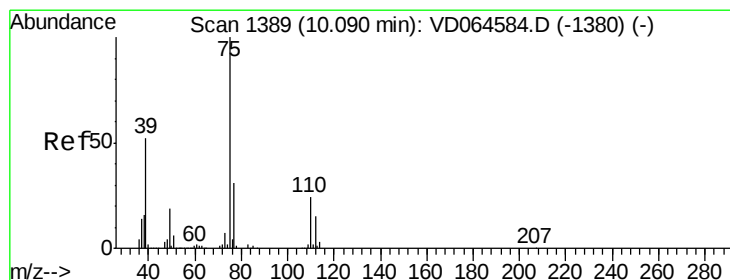
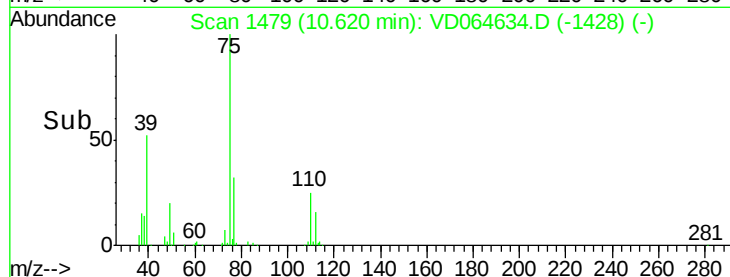
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 50.089 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

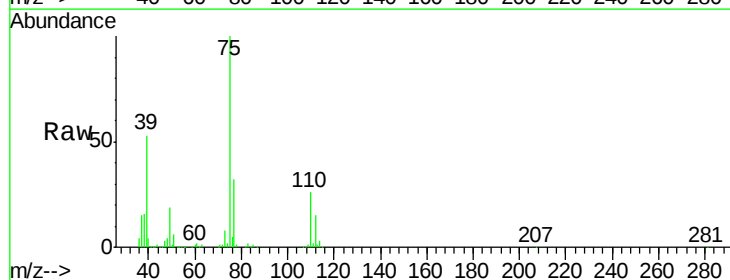
Tgt Ion: 75 Resp: 291368

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 53.1 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

200000

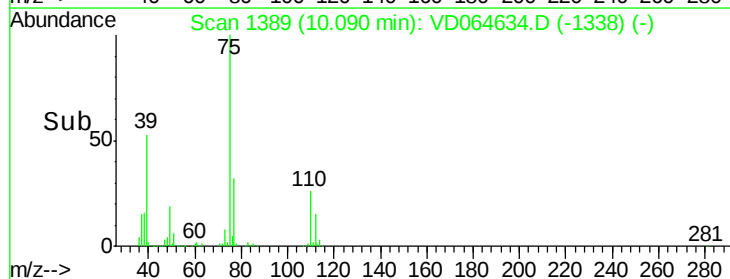
150000

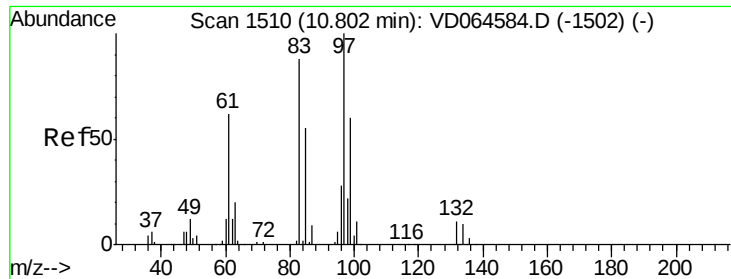
100000

50000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 47.350 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 126892

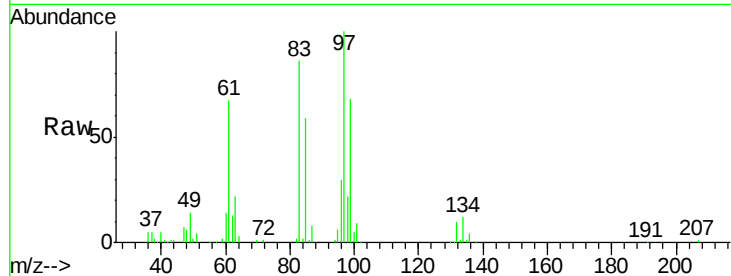
Ion Ratio Lower Upper

97 100

83 85.8 70.2 105.4

85 58.7 44.0 66.0

99 68.1 47.8 71.6

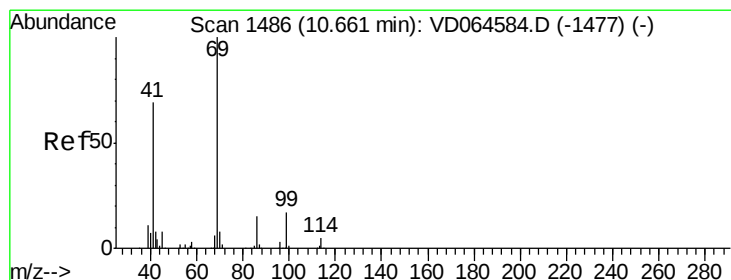
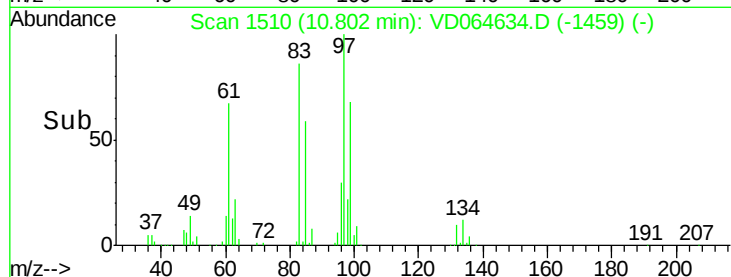
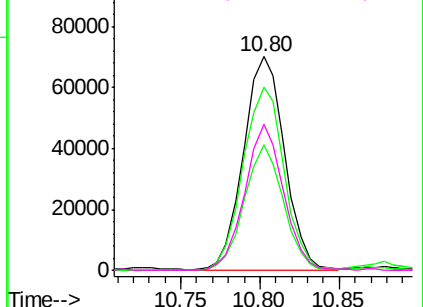


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.534 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

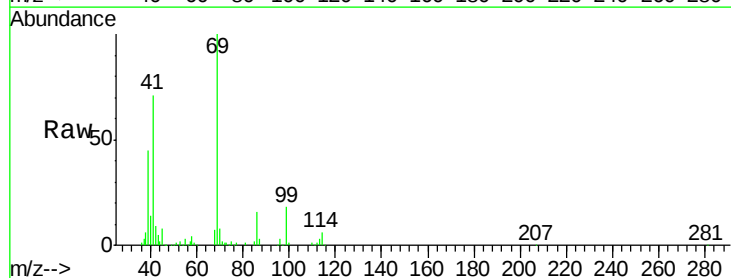
Tgt Ion: 69 Resp: 159087

Ion Ratio Lower Upper

69 100

41 68.5 55.3 82.9

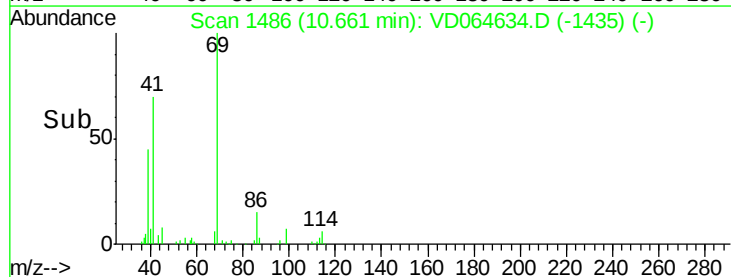
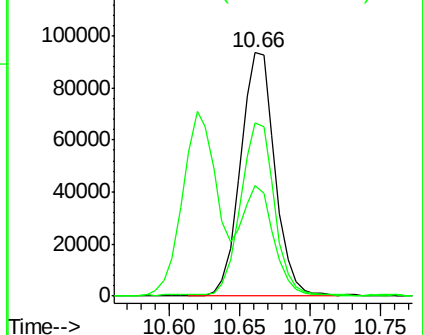
39 42.6 33.8 50.8

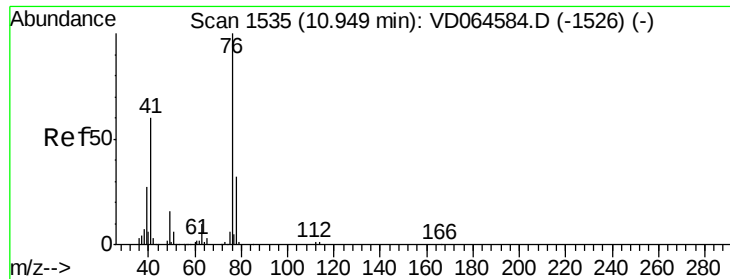


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

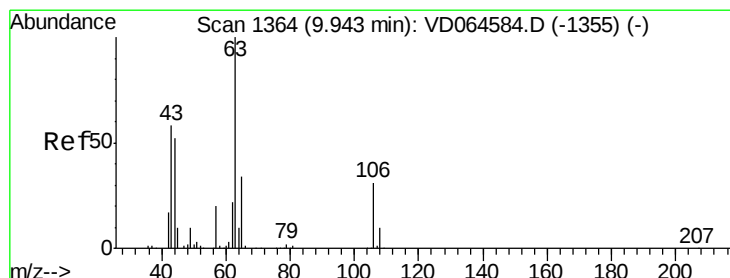
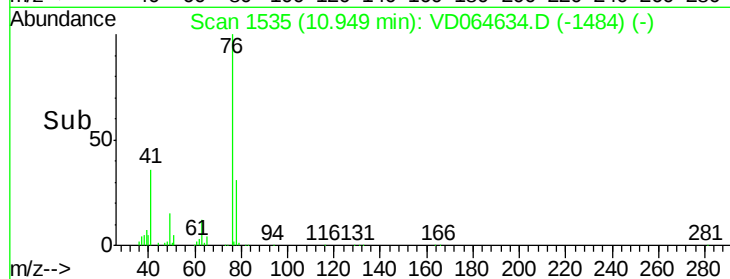
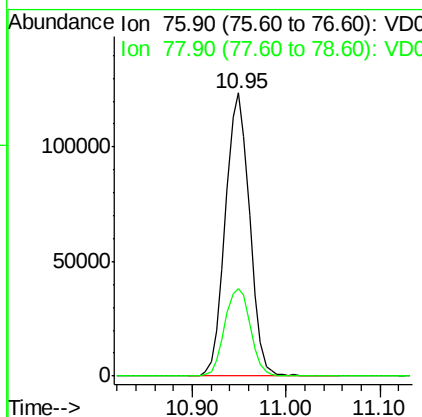
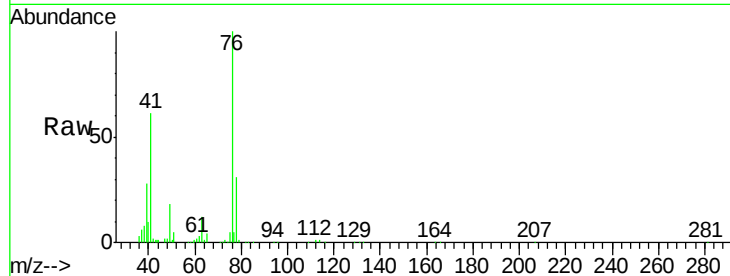




#57
 1,3-Dichloropropane
 Concen: 48.045 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

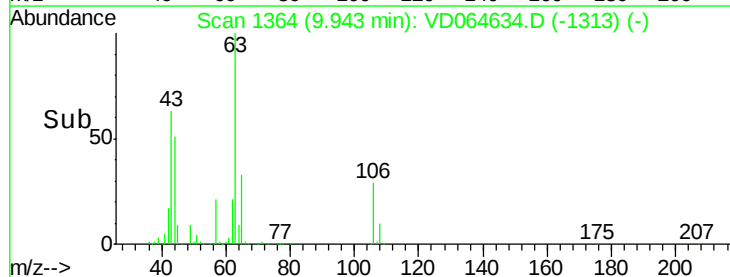
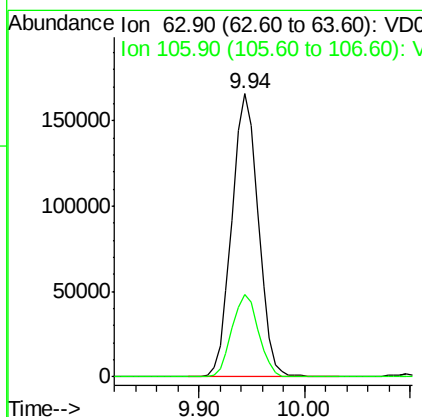
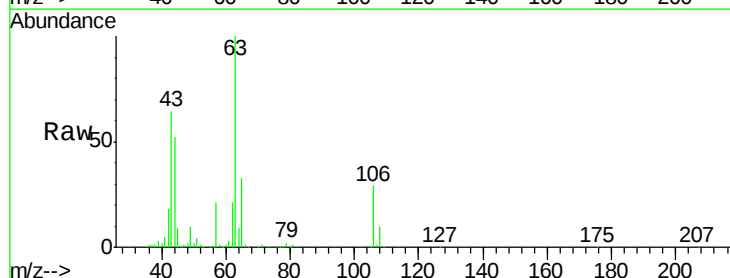
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

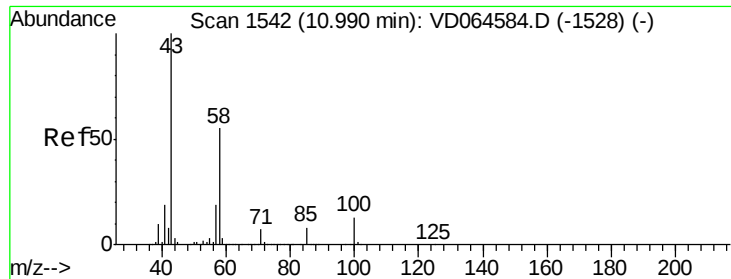
Tgt Ion: 76 Resp: 221688
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.537 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 63 Resp: 287582
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8

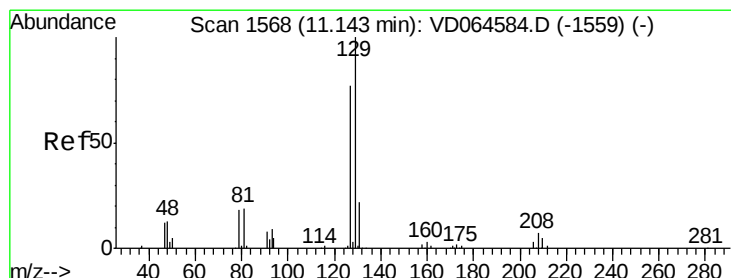
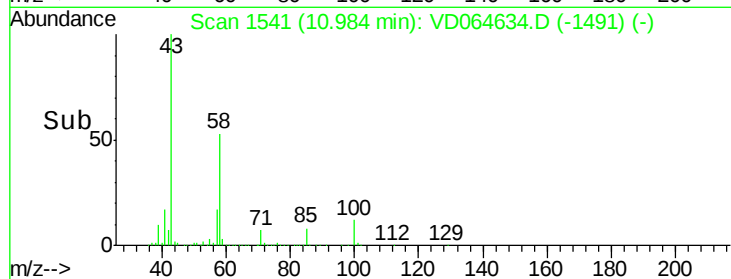
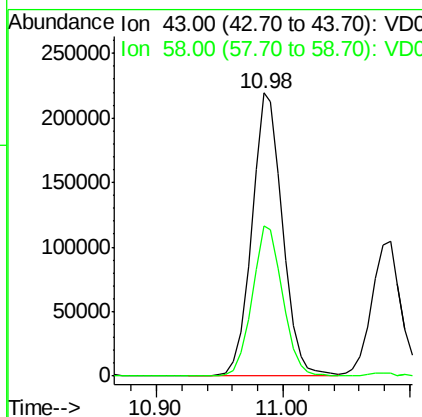
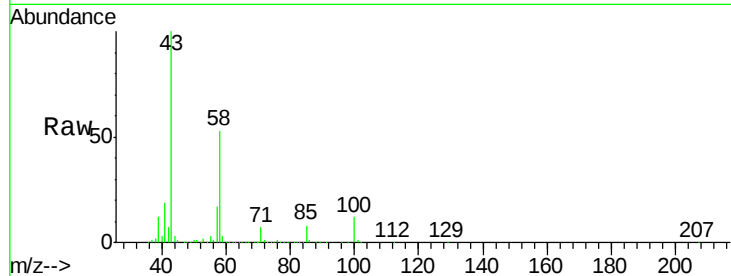




#59
2-Hexanone
Concen: 256.583 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

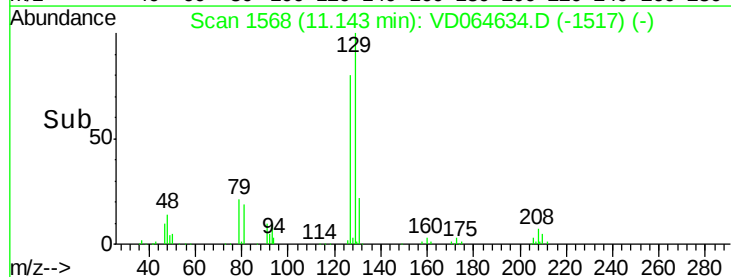
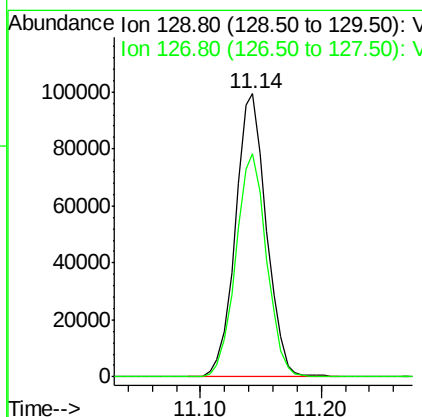
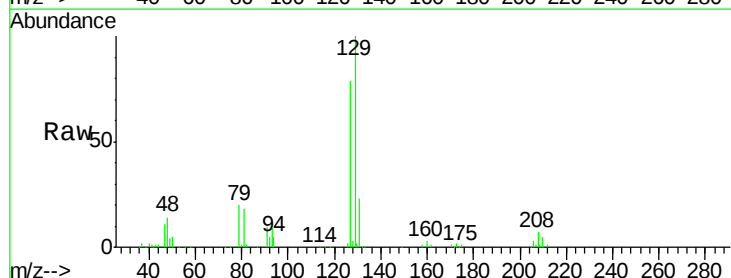
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

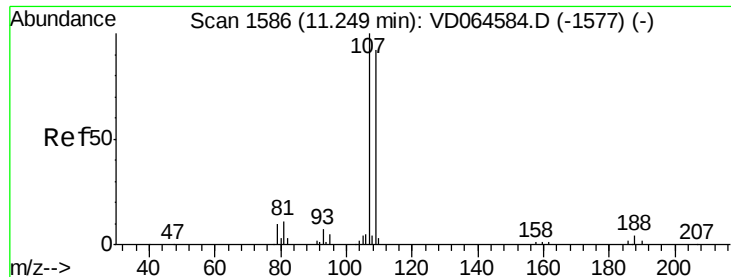
Tgt Ion: 43 Resp: 368304
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 47.968 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 129 Resp: 177763
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2

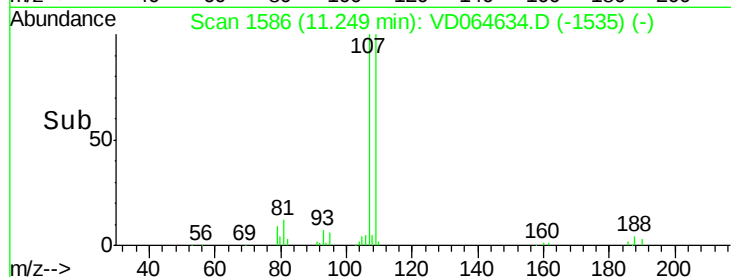
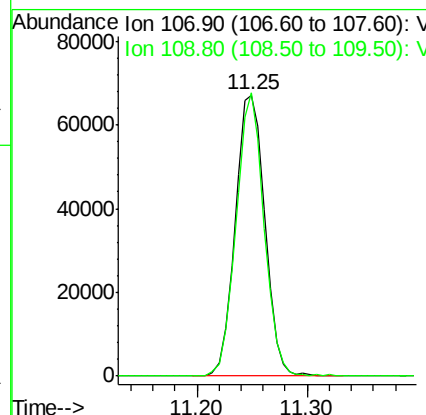
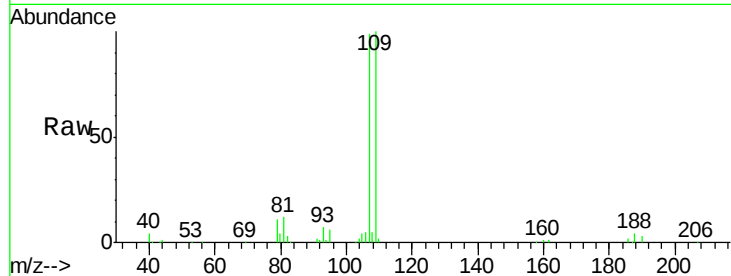




#61
 1,2-Dibromoethane
 Concen: 47.772 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

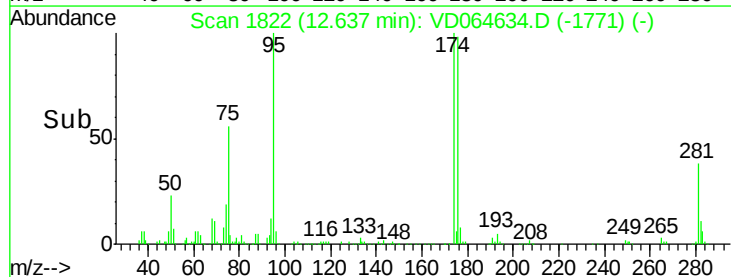
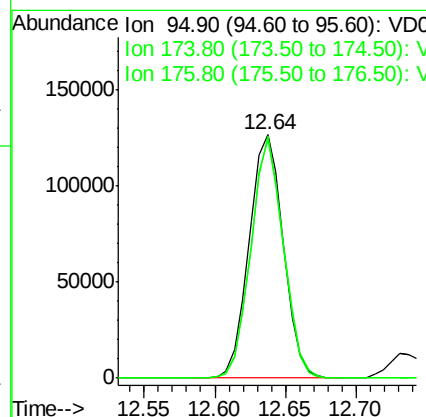
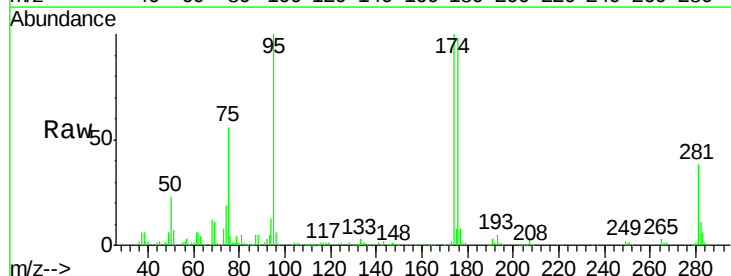
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

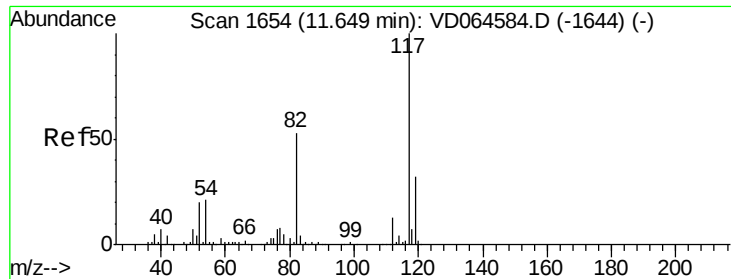
Tgt Ion: 107 Resp: 126271
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.944 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion: 95 Resp: 215193
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 193.2
 176 92.8 0.0 184.2

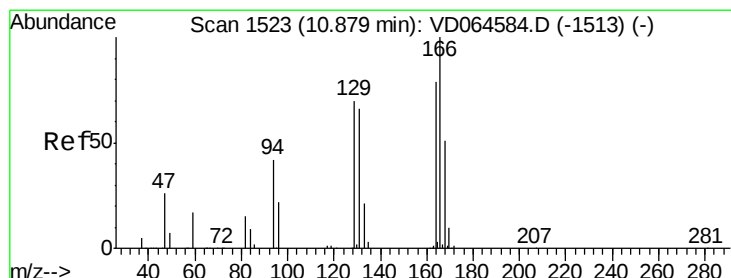
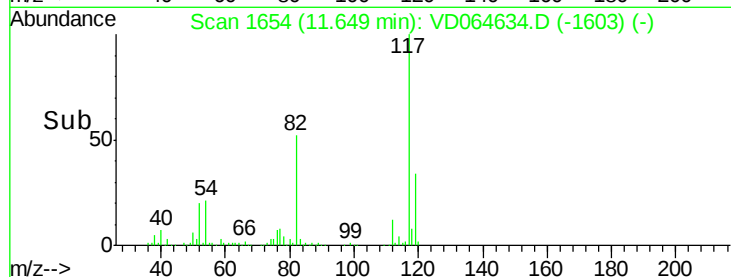
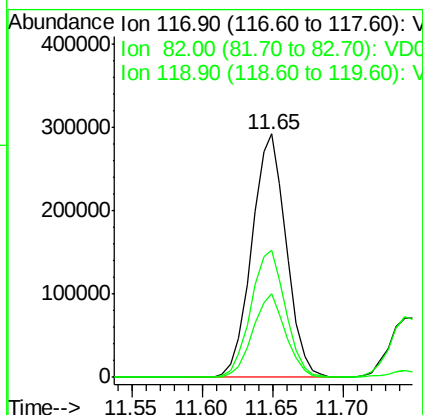
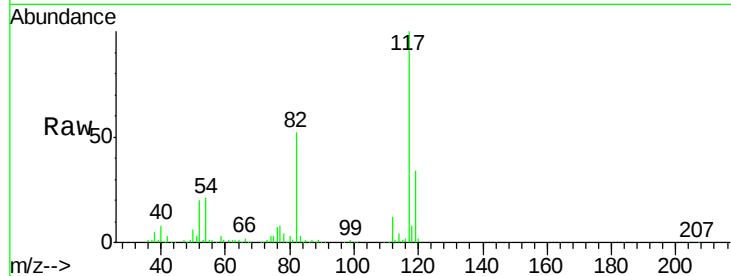




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

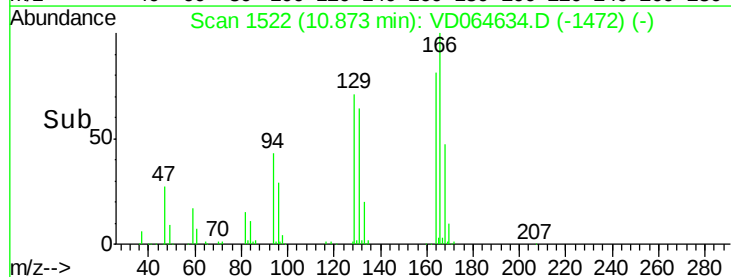
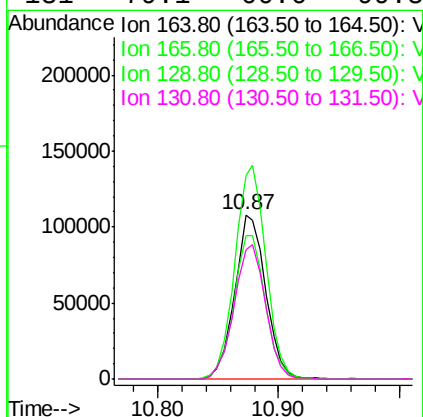
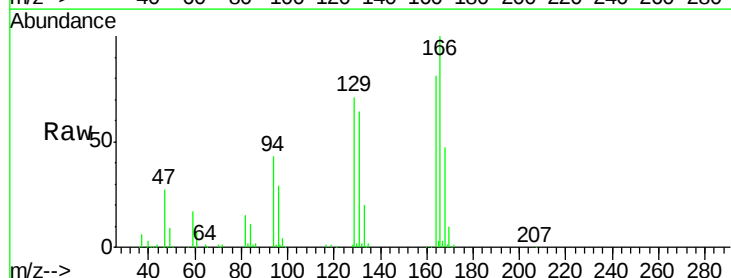
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 498193
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 34.1 26.0 39.0



#64
Tetrachloroethene
Concen: 50.417 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion:164 Resp: 192697
Ion Ratio Lower Upper
164 100
166 124.0 101.3 151.9
129 87.4 70.5 105.7
131 79.1 66.6 99.8

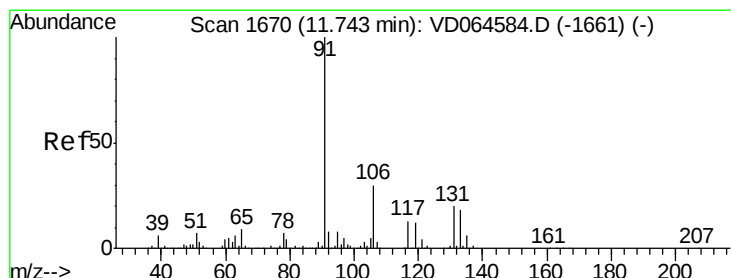
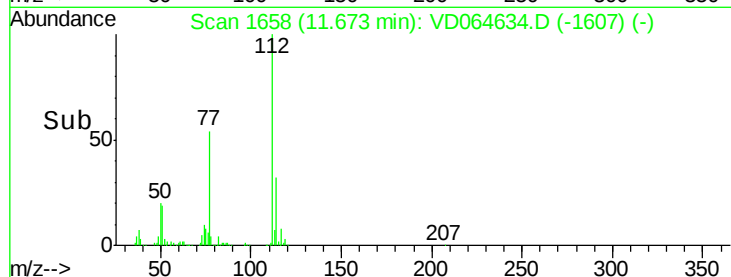
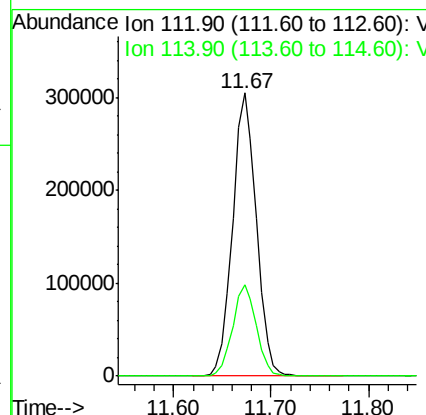
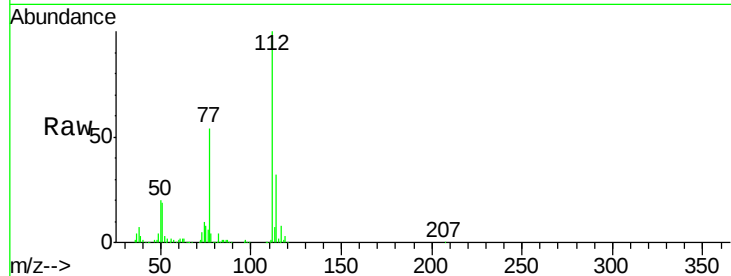




#65
Chlorobenzene
Concen: 49.675 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

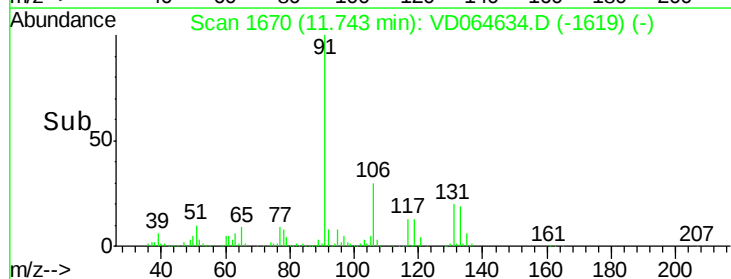
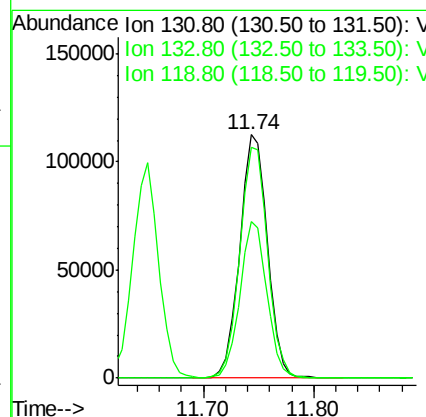
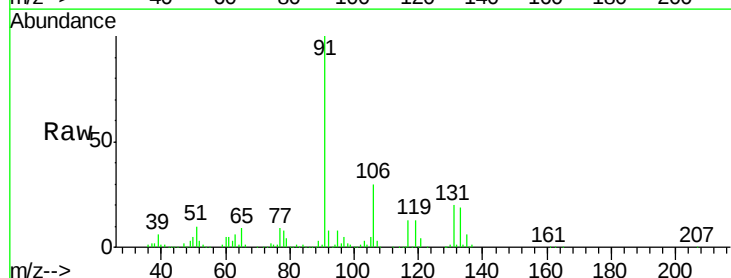
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 513639
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.043 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion:131 Resp: 198964
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 62.8 32.1 96.3

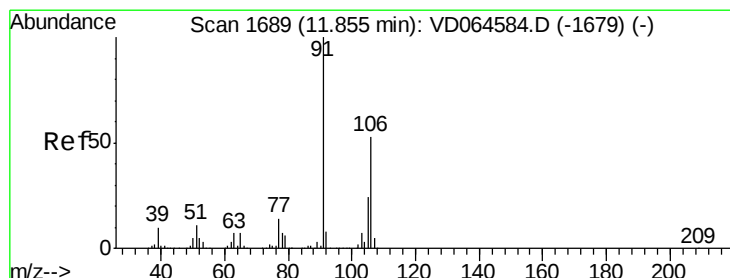
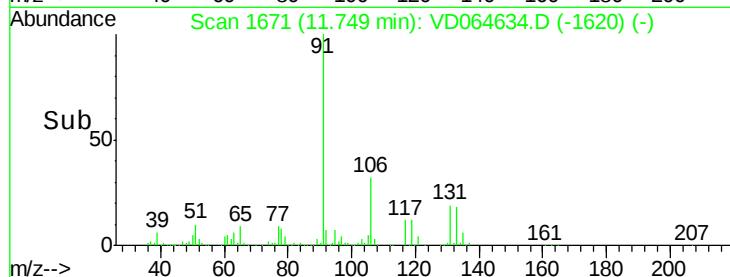
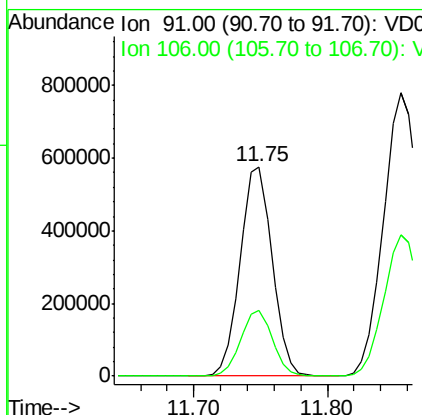
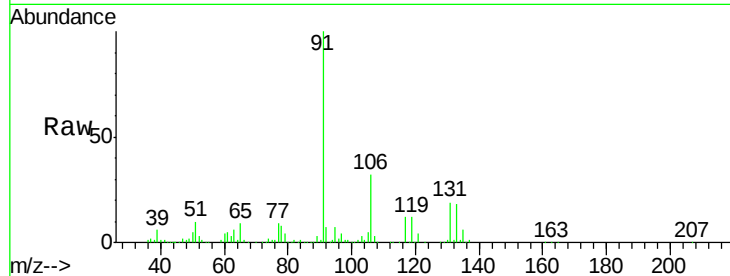




#67
Ethyl Benzene
Concen: 50.954 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

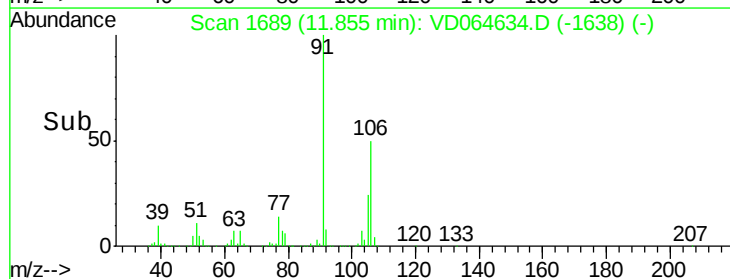
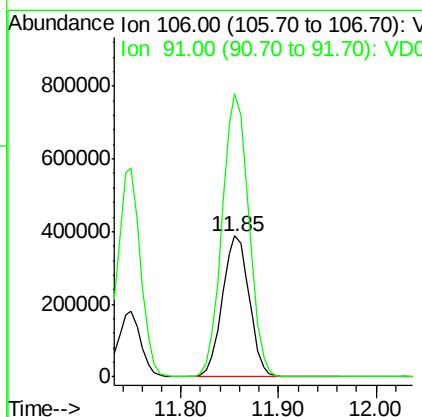
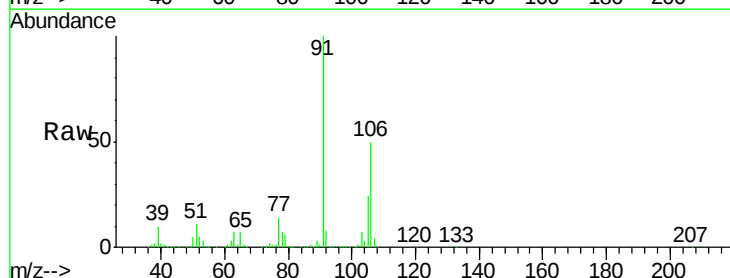
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

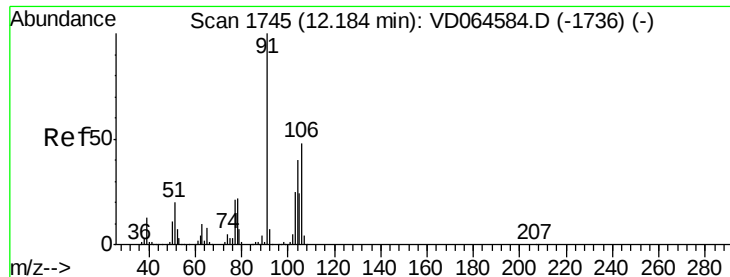
Tgt Ion: 91 Resp: 956285
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8



#68
m/p-Xylenes
Concen: 101.731 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 106 Resp: 736931
Ion Ratio Lower Upper
106 100
91 200.0 156.3 234.5

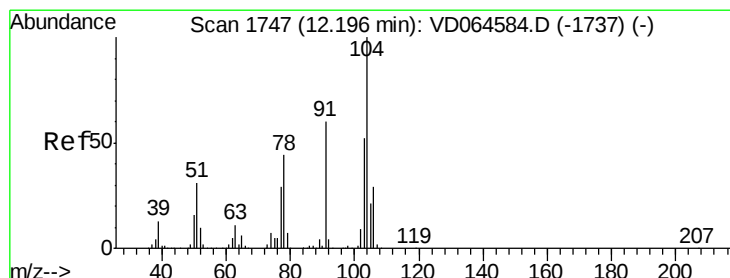
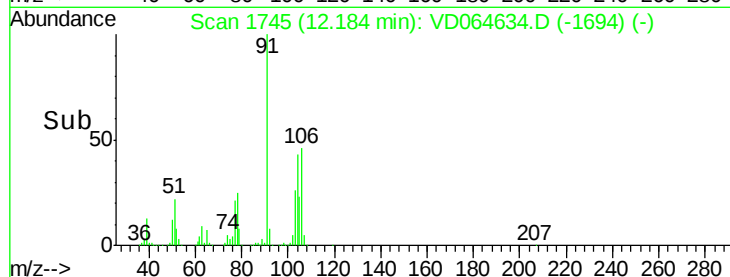
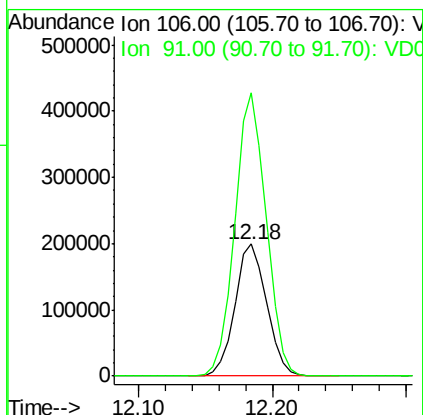
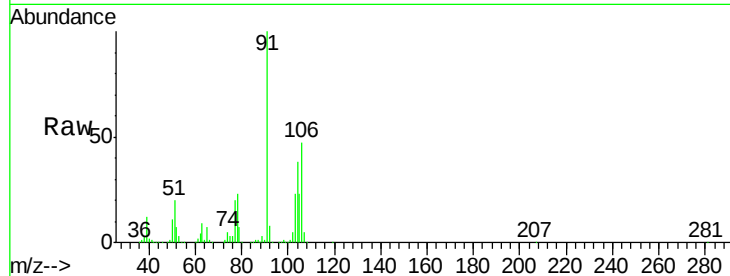




#69
o-Xylene
Concen: 50.265 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

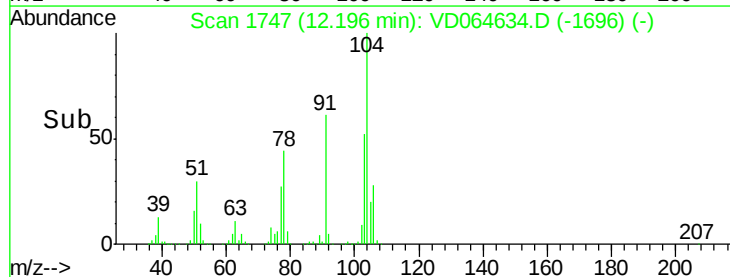
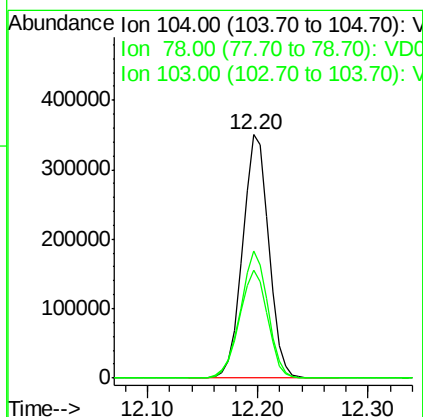
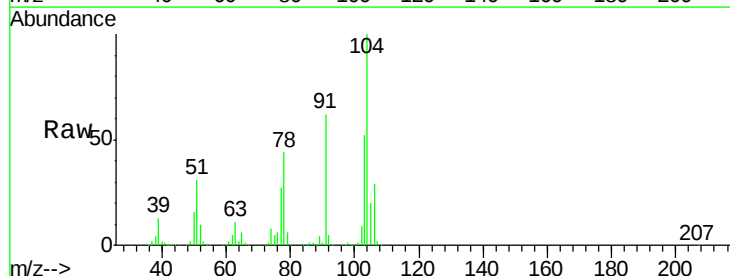
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

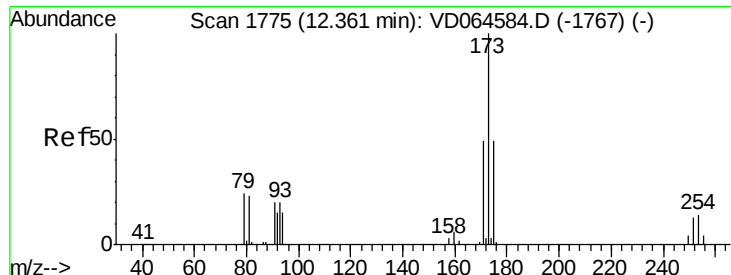
Tgt Ion:106 Resp: 328887
Ion Ratio Lower Upper
106 100
91 211.4 104.8 314.4



#70
Styrene
Concen: 50.751 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion:104 Resp: 582867
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.0 44.6 67.0

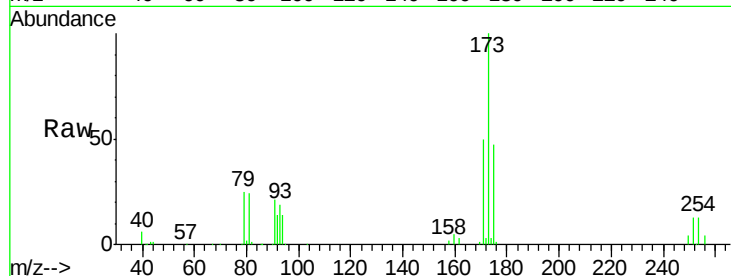




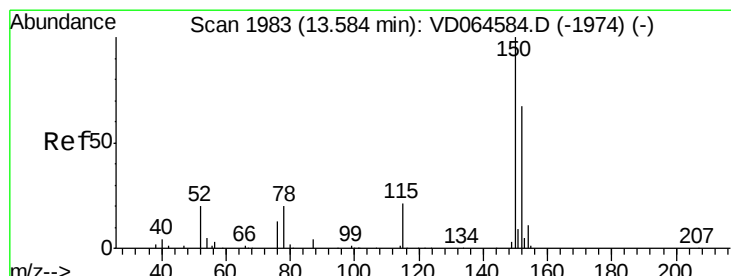
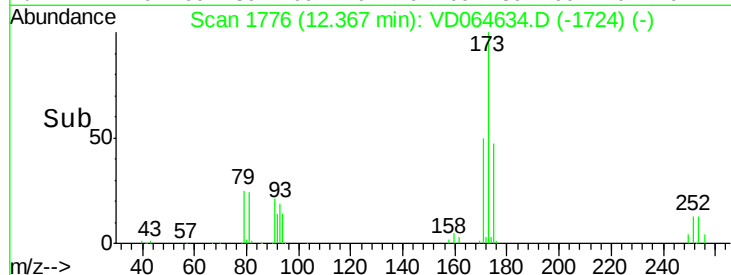
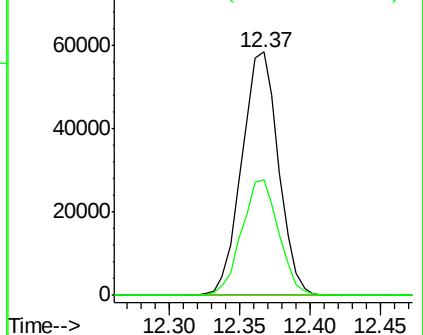
#71
 Bromoform
 Concen: 47.939 ug/l
 RT: 12.37 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:173 Resp: 106565
 Ion Ratio Lower Upper
 173 100
 175 47.7 24.6 73.8
 254 0.0 0.1 0.1#

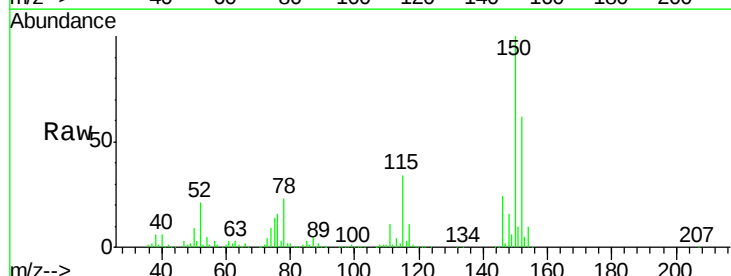


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

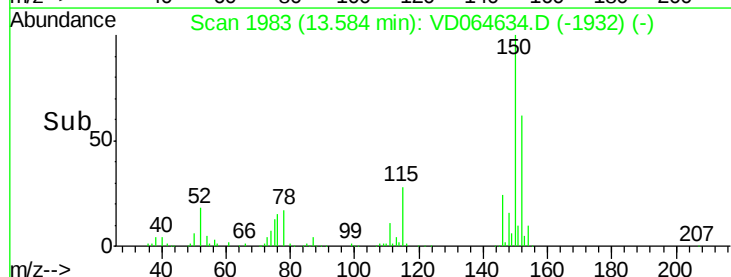
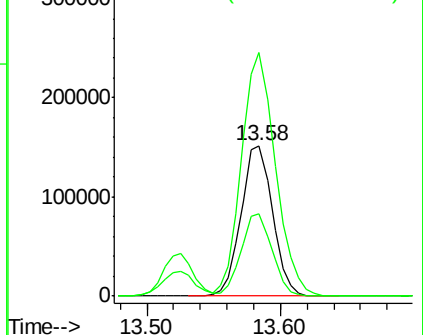


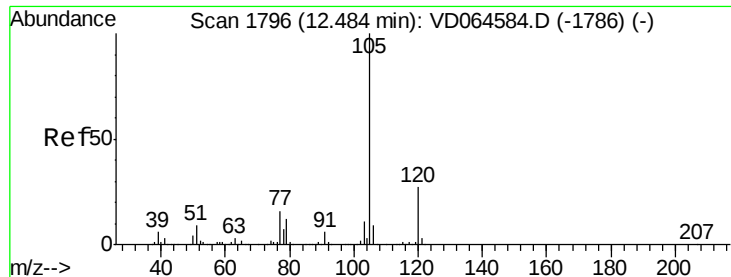
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion:152 Resp: 246970
 Ion Ratio Lower Upper
 152 100
 115 54.1 27.8 83.4
 150 175.1 0.0 351.4



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





#73

Isopropylbenzene

Concen: 52.489 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

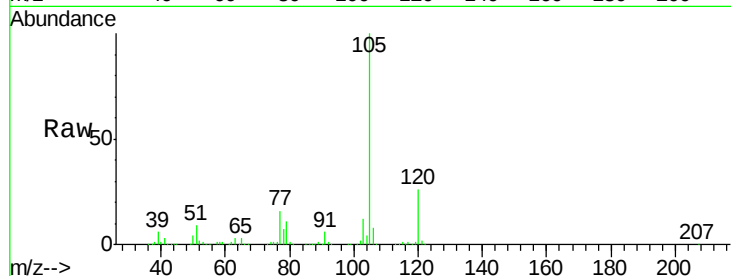
VSTDCCC050

Tgt Ion:105 Resp: 926371

Ion Ratio Lower Upper

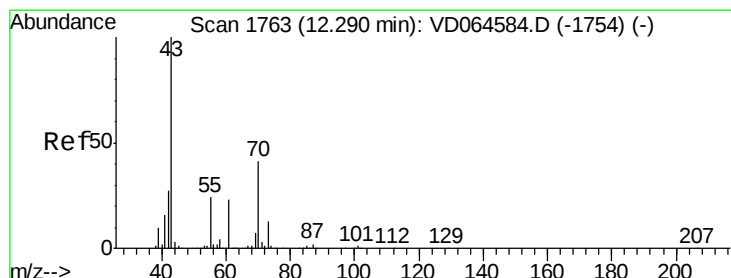
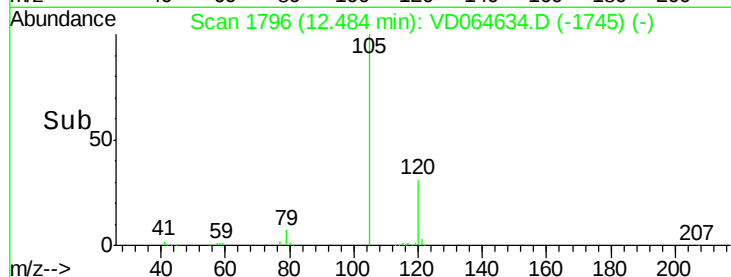
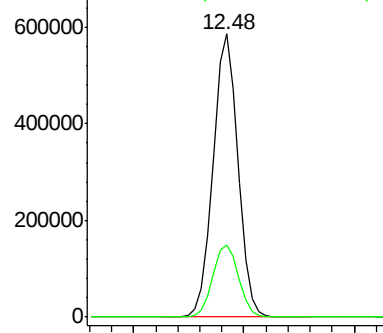
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.567 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion: 43 Resp: 175685

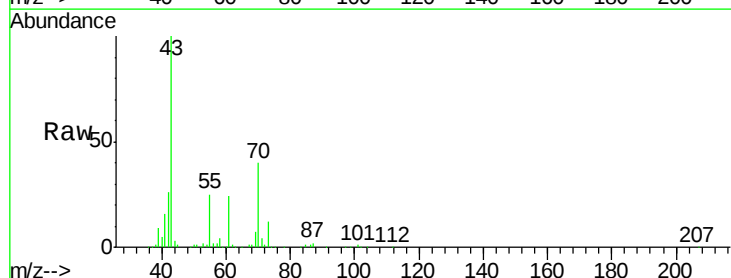
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.4 19.4 29.0

61 23.8 18.3 27.5

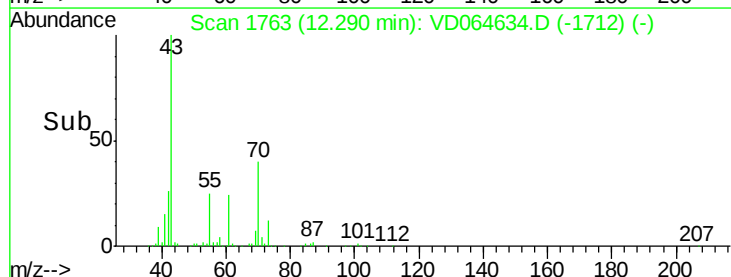
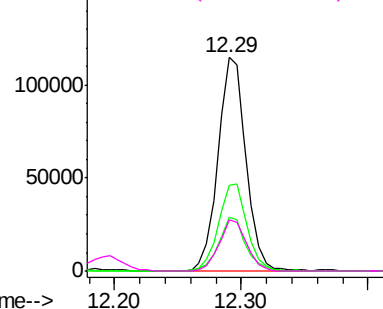


Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.579 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

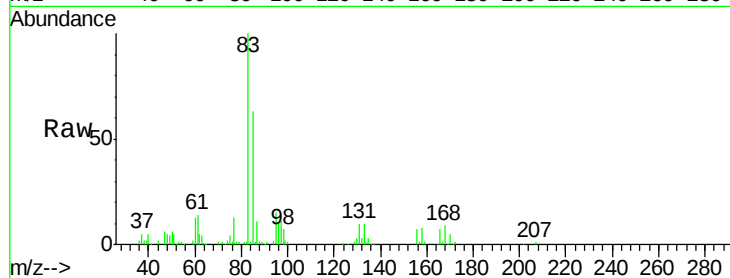
Tgt Ion: 83 Resp: 131913

Ion Ratio Lower Upper

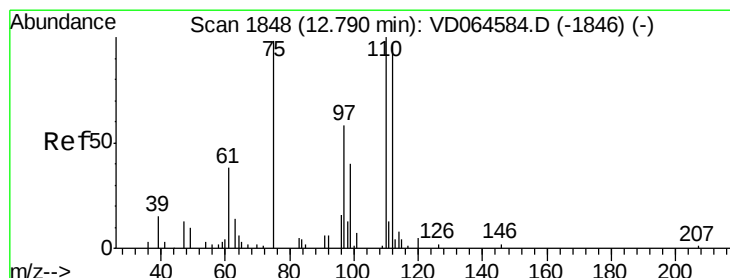
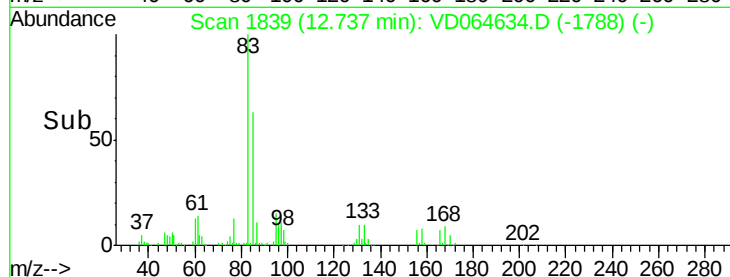
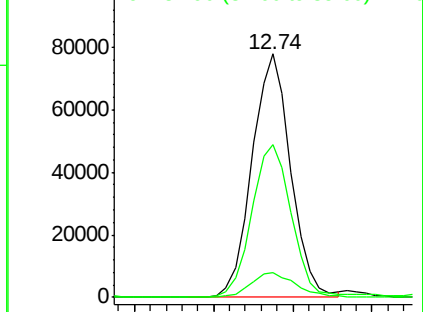
83 100

131 11.7 5.8 17.4

85 64.3 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 92.237 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064634.D

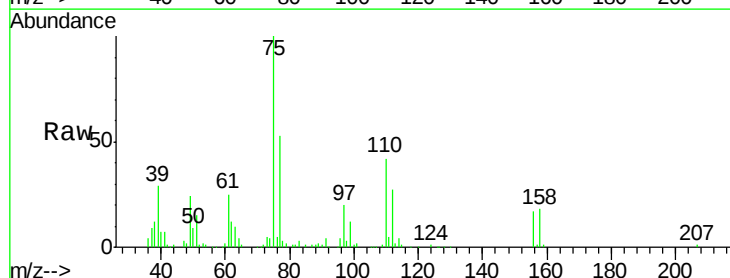
Acq: 27 Dec 2019 09:53

Tgt Ion: 75 Resp: 179884

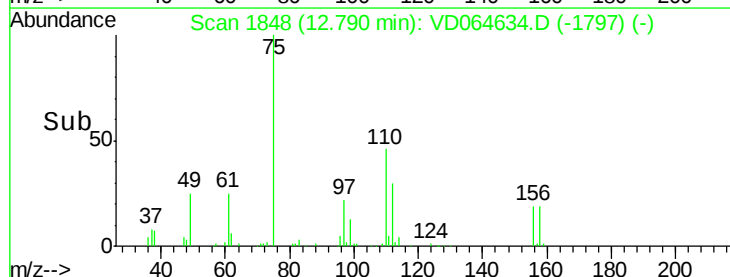
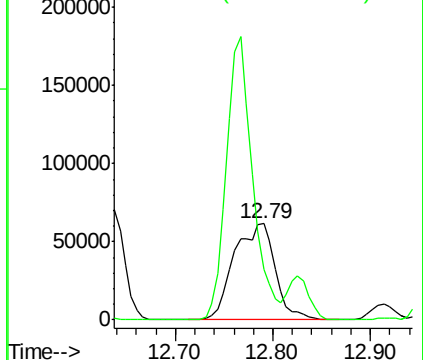
Ion Ratio Lower Upper

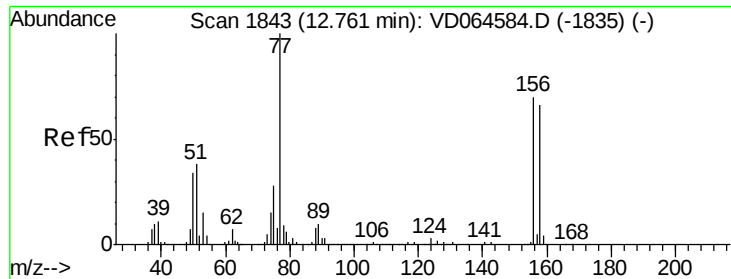
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.351 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

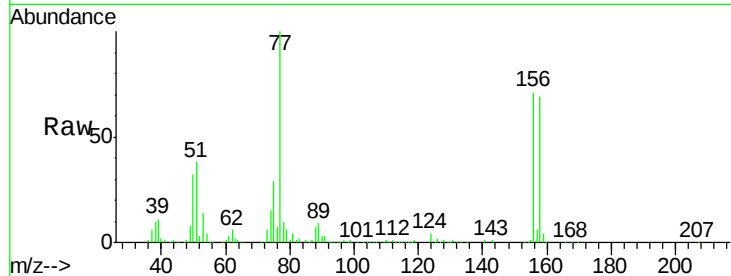
Tgt Ion:156 Resp: 214015

Ion Ratio Lower Upper

156 100

77 158.7 80.9 242.7

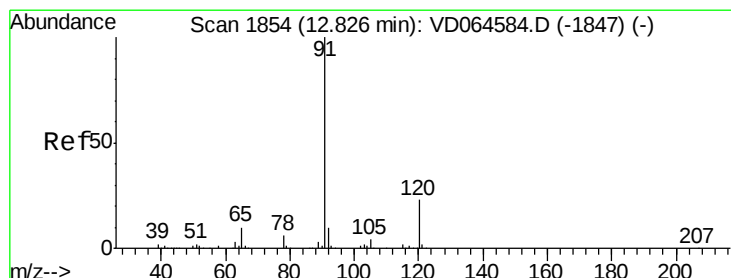
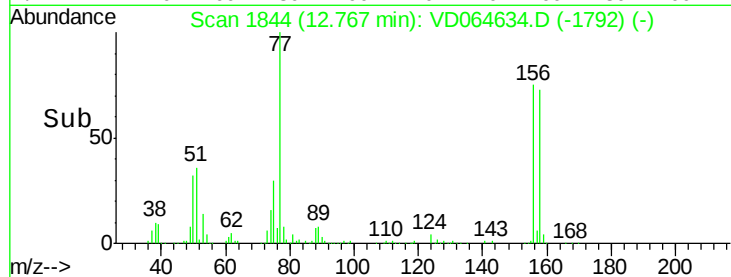
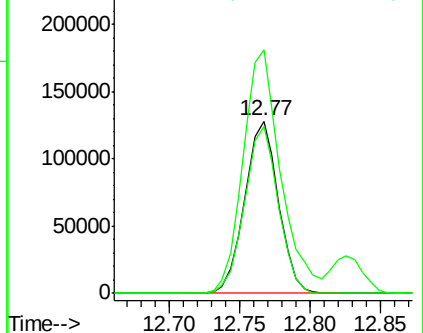
158 96.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.904 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064634.D

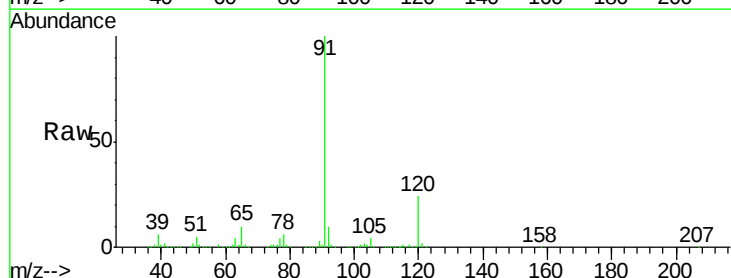
Acq: 27 Dec 2019 09:53

Tgt Ion: 91 Resp: 1068687

Ion Ratio Lower Upper

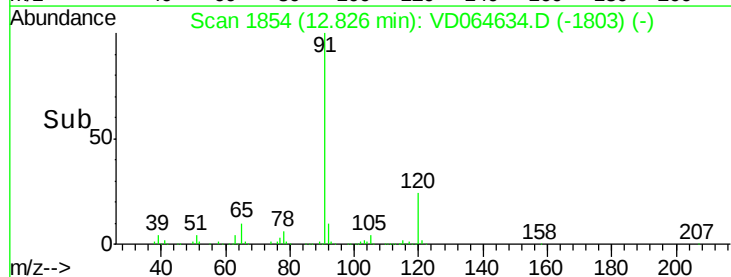
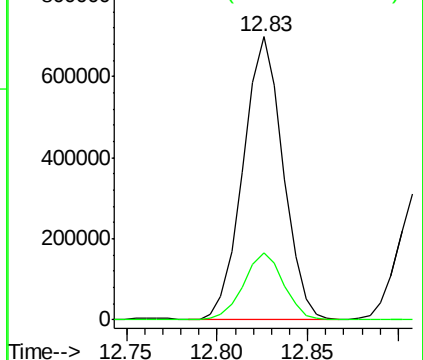
91 100

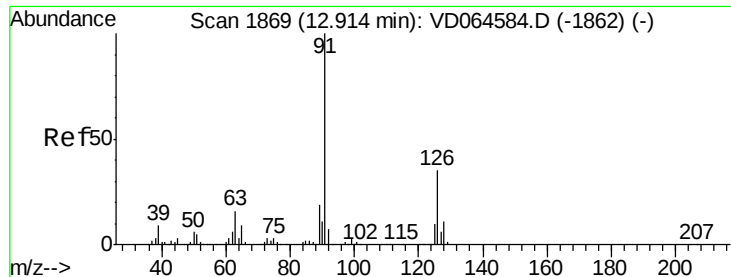
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.259 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

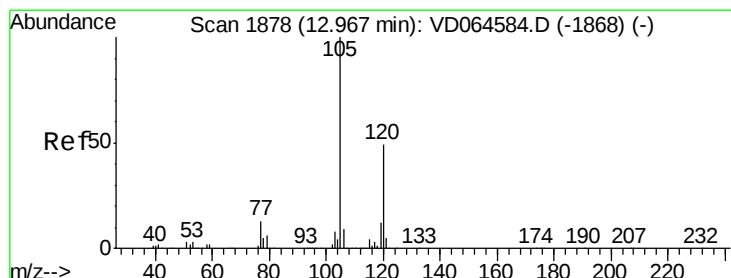
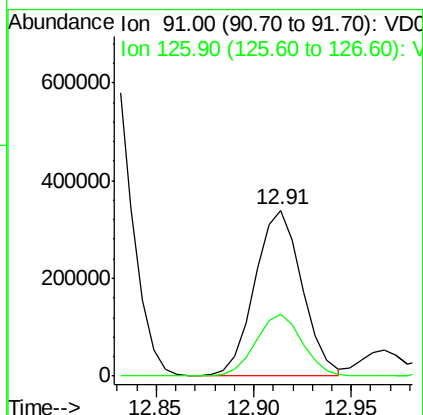
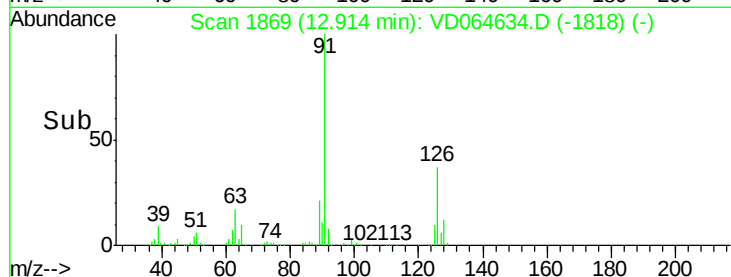
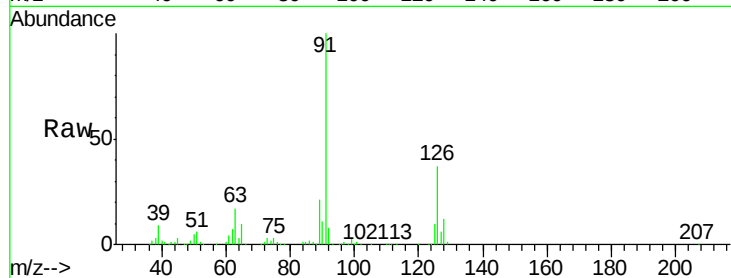
VSTDCCC050

Tgt Ion: 91 Resp: 568468

Ion Ratio Lower Upper

91 100

126 36.9 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 51.963 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064634.D

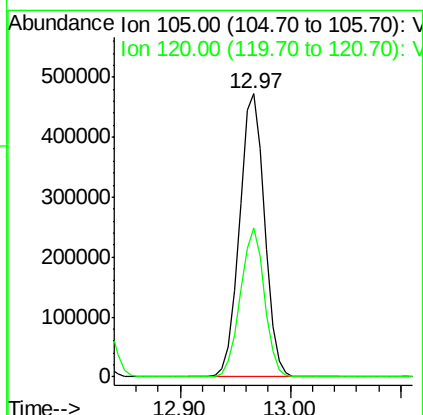
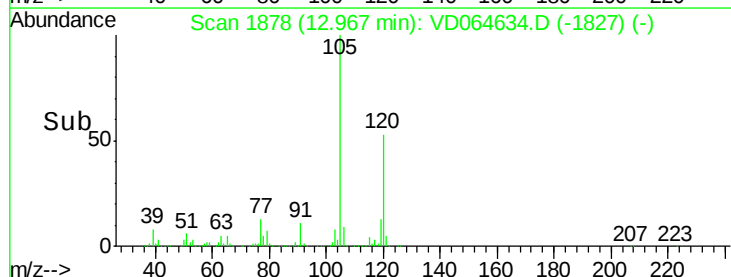
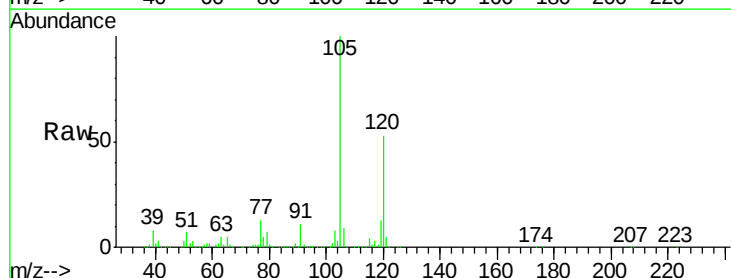
Acq: 27 Dec 2019 09:53

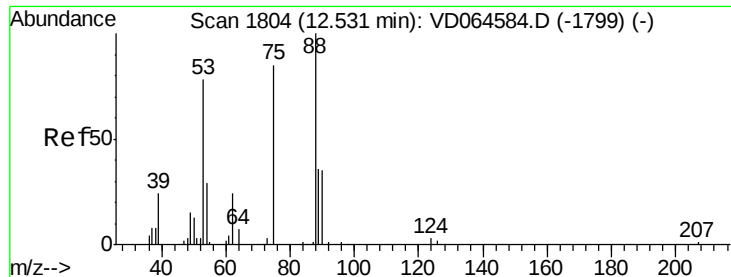
Tgt Ion: 105 Resp: 753351

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.056 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

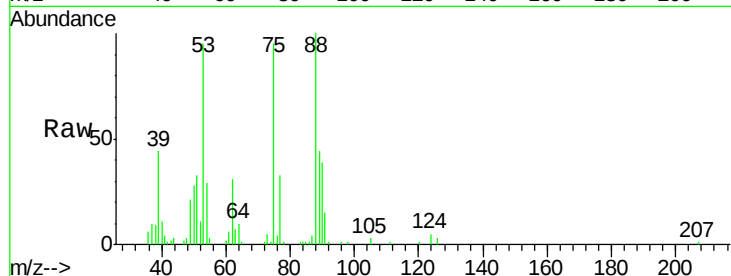
Tgt Ion: 75 Resp: 45743

Ion Ratio Lower Upper

75 100

53 95.1 78.8 118.2

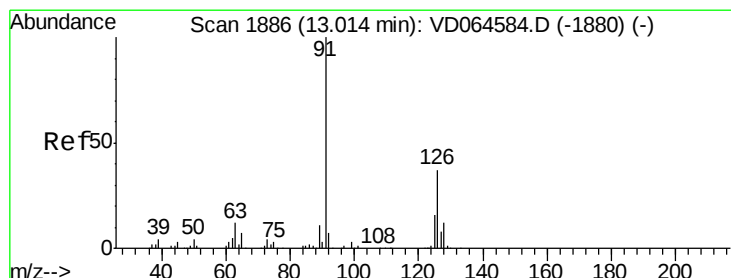
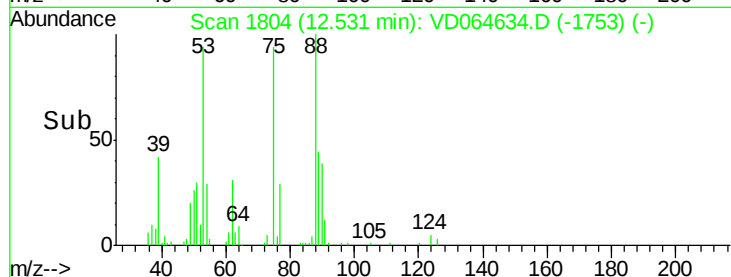
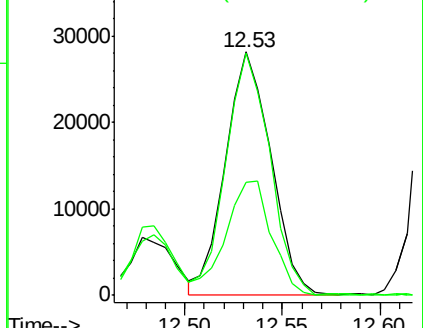
89 47.5 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.192 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064634.D

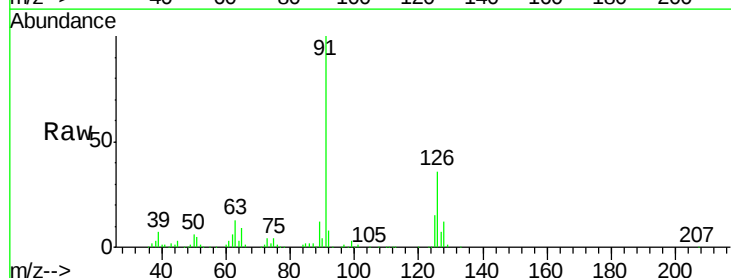
Acq: 27 Dec 2019 09:53

Tgt Ion: 91 Resp: 604149

Ion Ratio Lower Upper

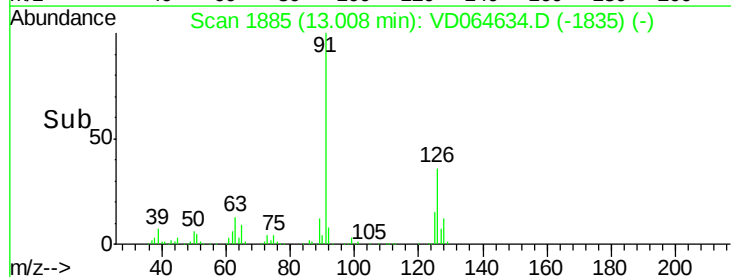
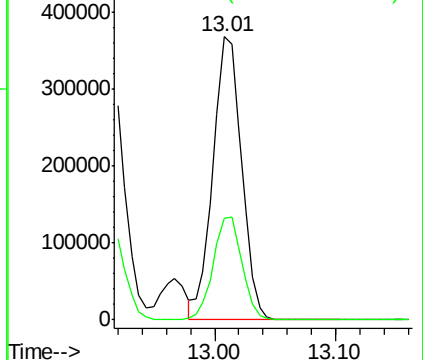
91 100

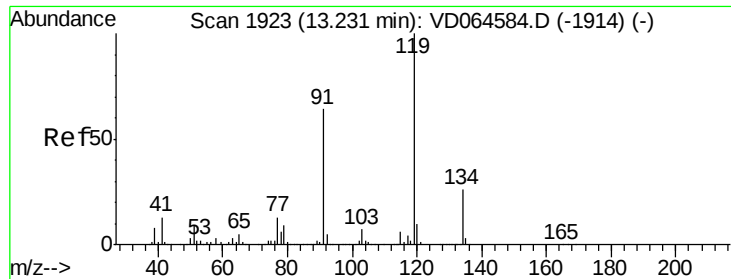
126 36.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

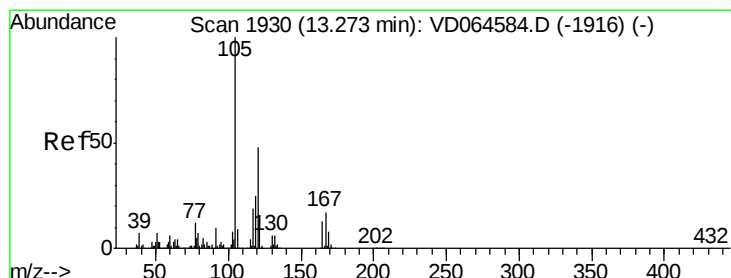
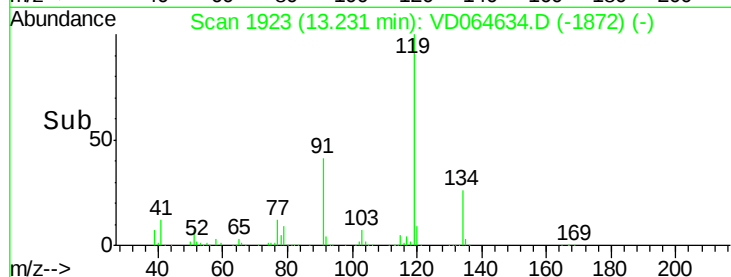
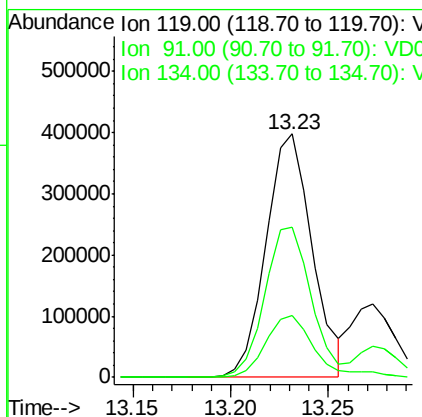
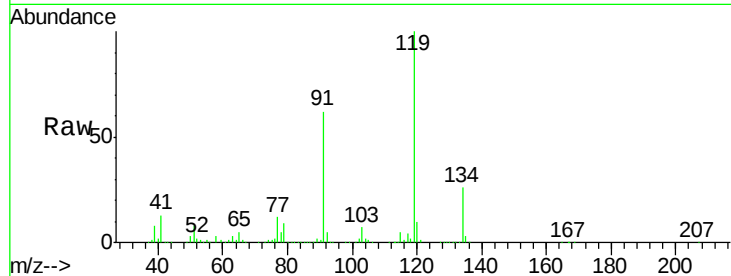




#83
 tert-Butylbenzene
 Concen: 51.876 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

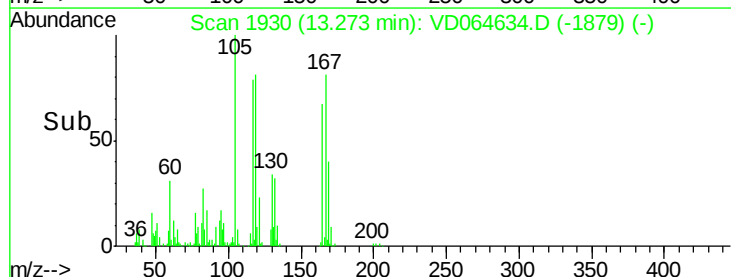
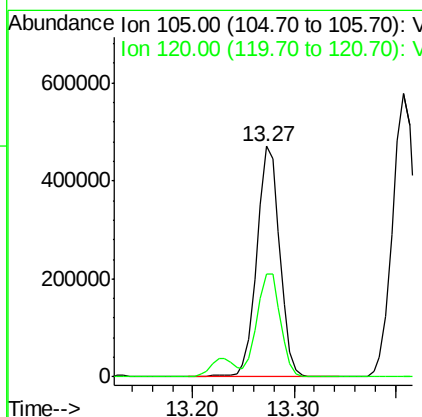
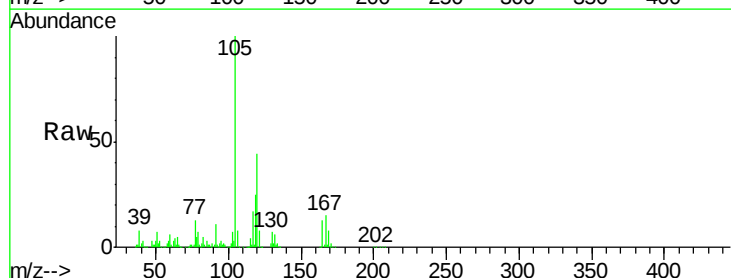
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

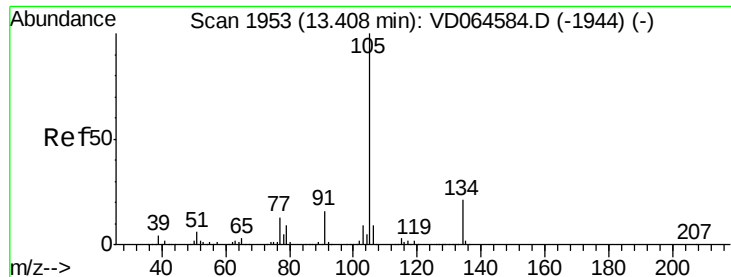
Tgt Ion:119 Resp: 653004
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.8 92.4
 134 27.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.412 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion:105 Resp: 742335
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 52.381 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

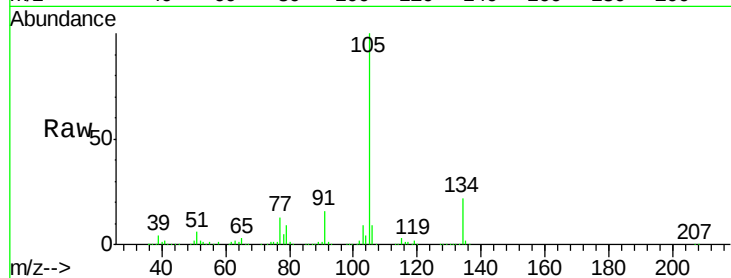
VSTDCCC050

Tgt Ion:105 Resp: 903952

Ion Ratio Lower Upper

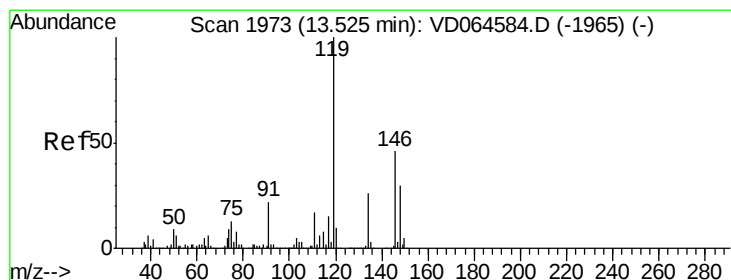
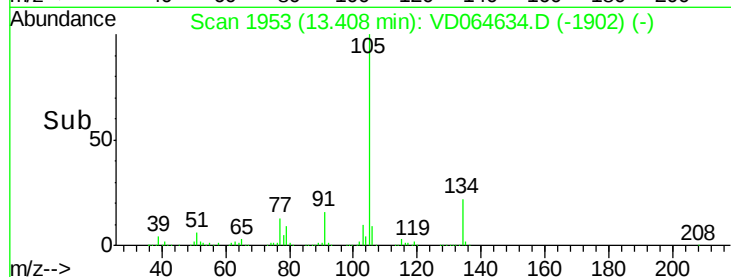
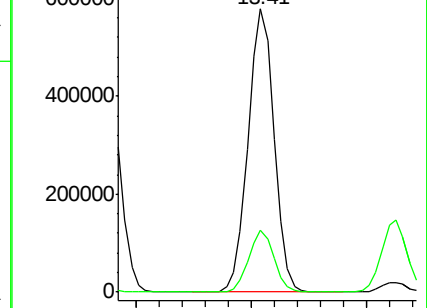
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.078 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

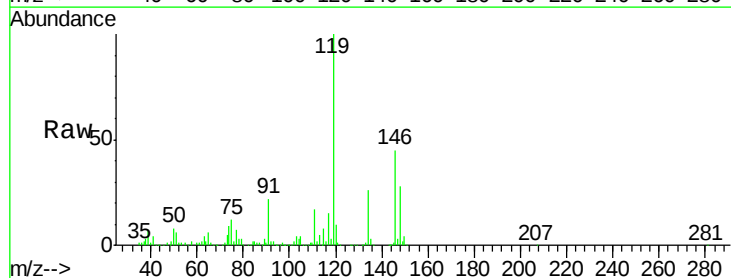
Tgt Ion:119 Resp: 859335

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

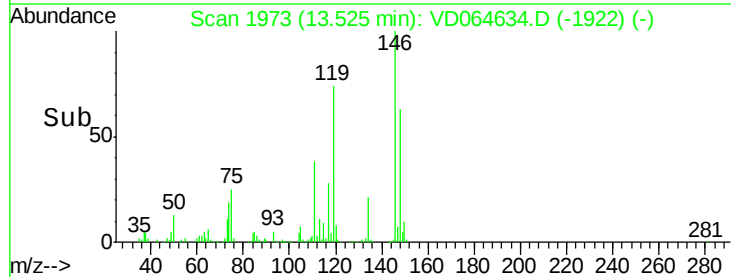
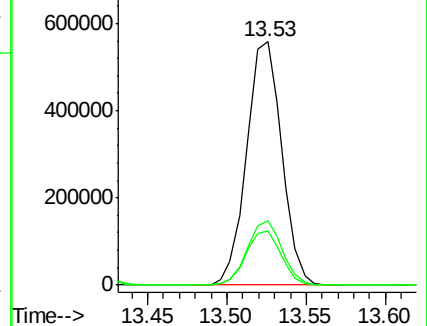
91 22.3 11.2 33.6

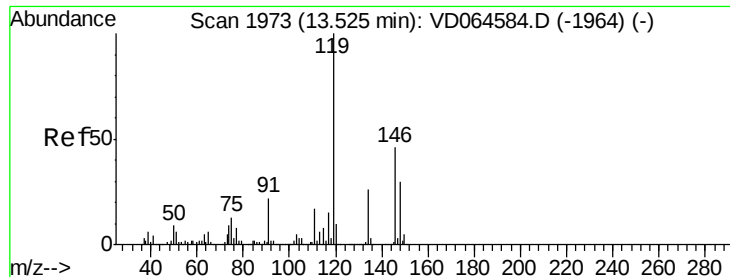


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.667 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

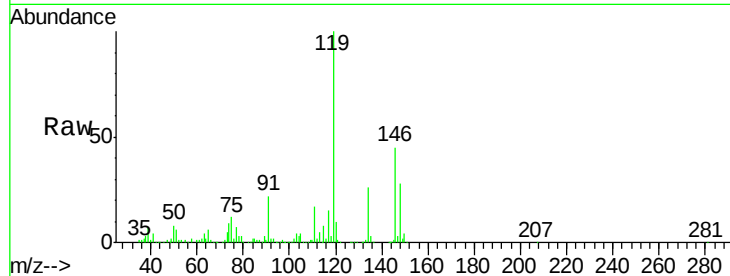
Tgt Ion:146 Resp: 410604

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

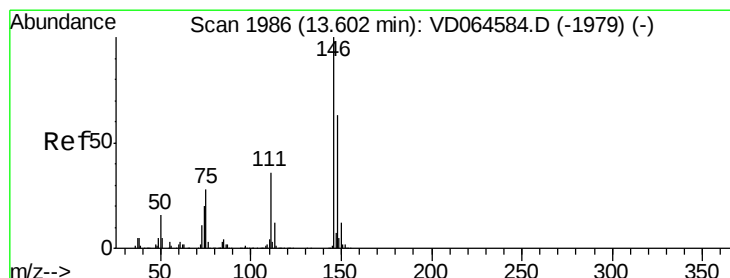
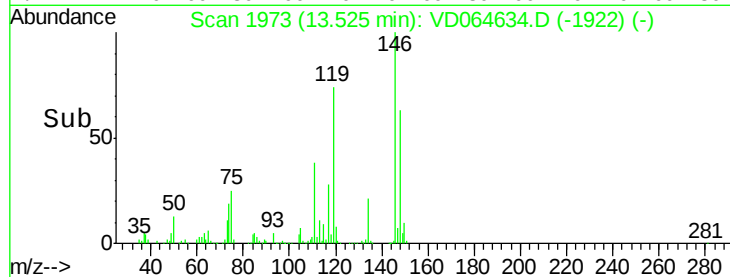
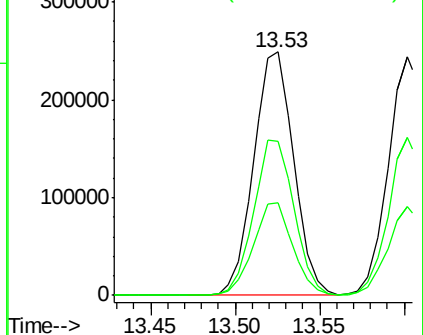
148 64.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.940 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

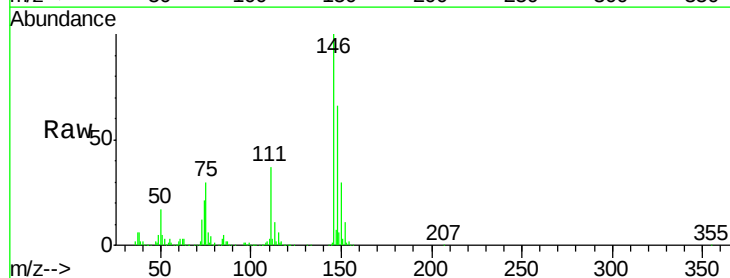
Tgt Ion:146 Resp: 397456

Ion Ratio Lower Upper

146 100

111 36.9 18.1 54.1

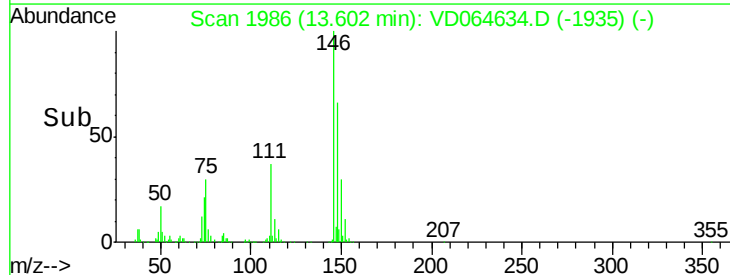
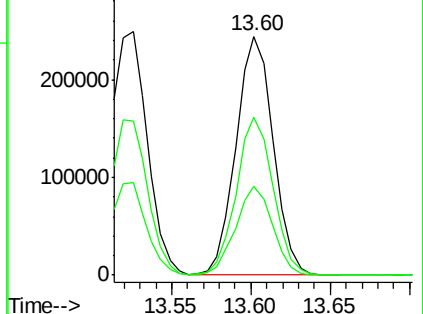
148 65.3 32.3 96.9

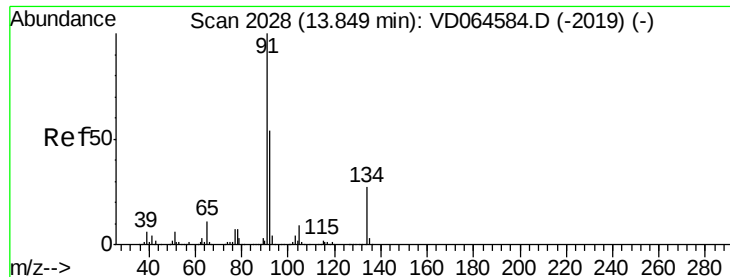


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.483 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

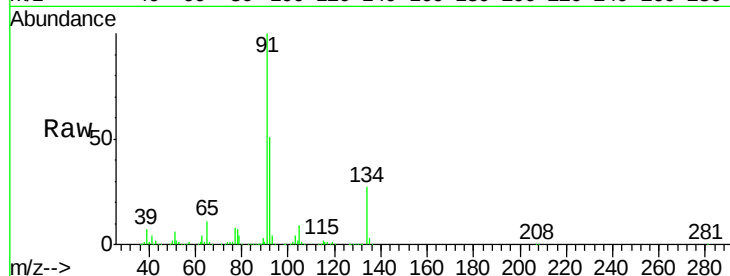
Tgt Ion: 91 Resp: 779881

Ion Ratio Lower Upper

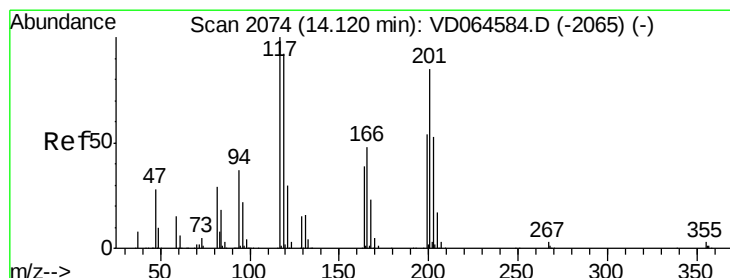
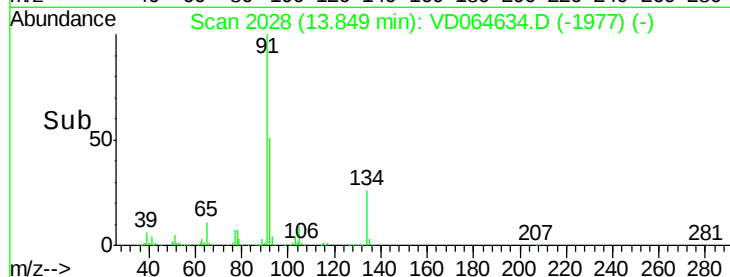
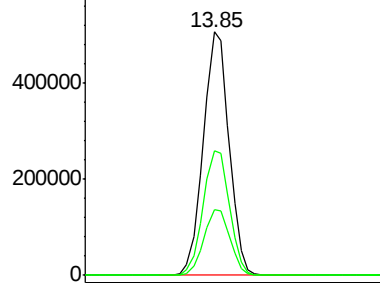
91 100

92 52.7 26.8 80.4

134 27.4 14.0 41.9



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: 50.800 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064634.D

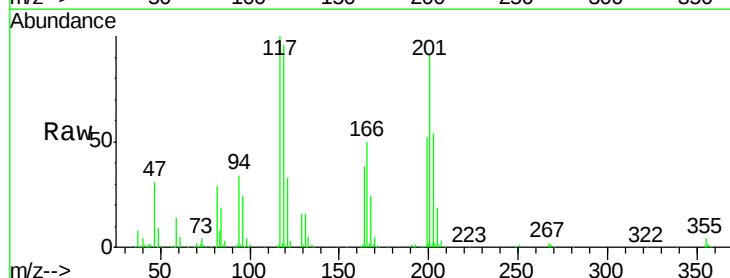
Acq: 27 Dec 2019 09:53

Tgt Ion: 117 Resp: 160123

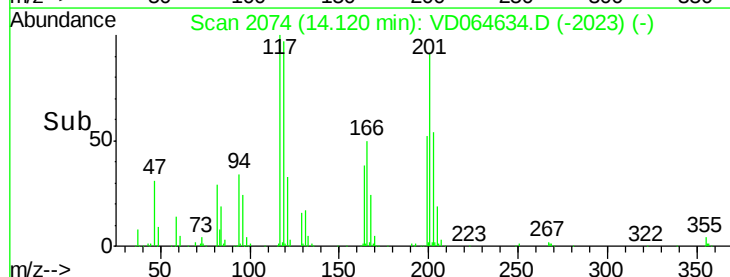
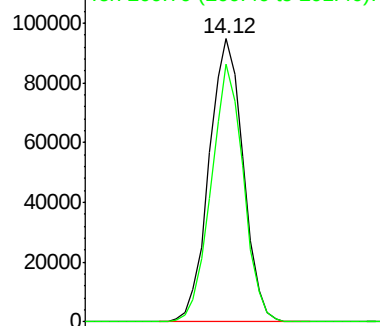
Ion Ratio Lower Upper

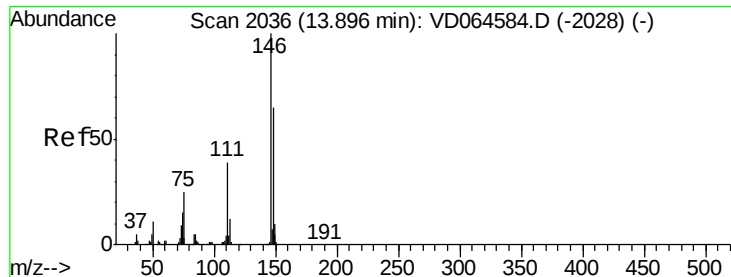
117 100

201 86.1 44.0 131.8



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





#91

1,2-Dichlorobenzene

Concen: 48.499 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

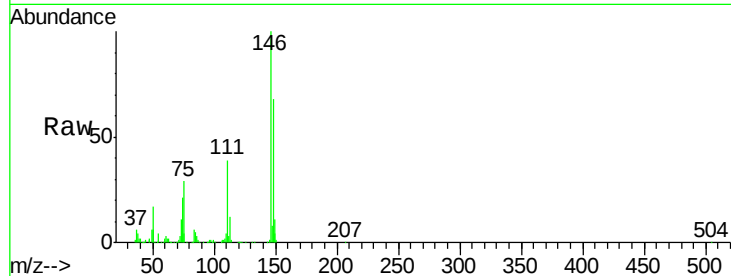
Tgt Ion:146 Resp: 341884

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.9

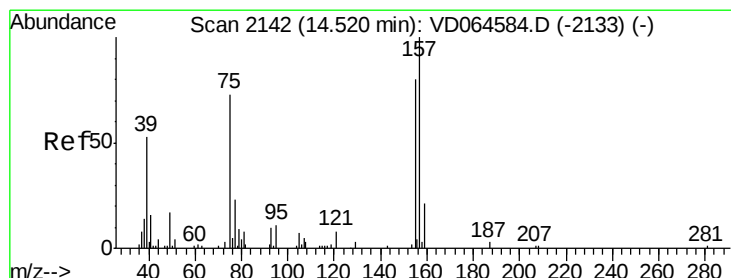
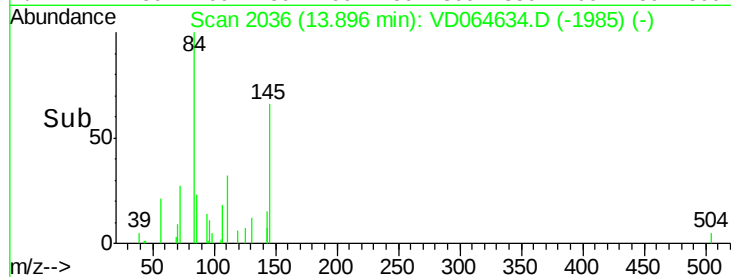
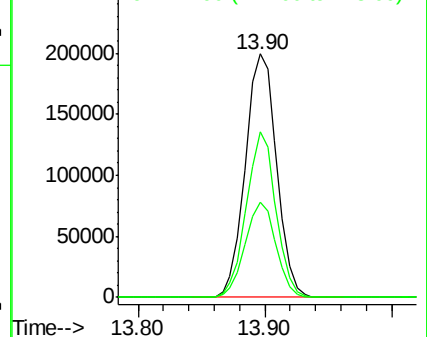
148 64.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.079 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

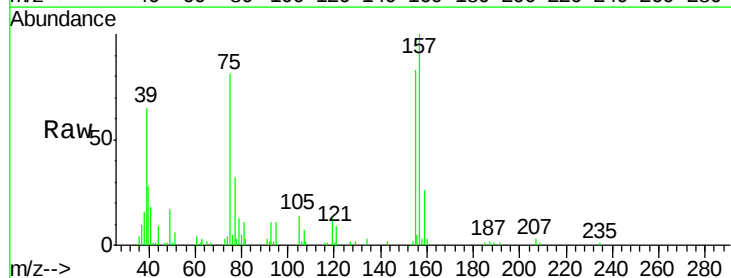
Tgt Ion: 75 Resp: 20261

Ion Ratio Lower Upper

75 100

155 98.1 48.0 144.0

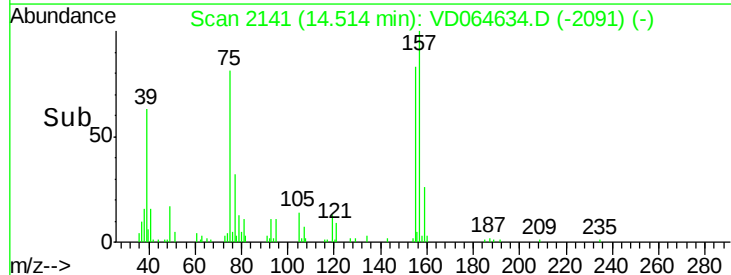
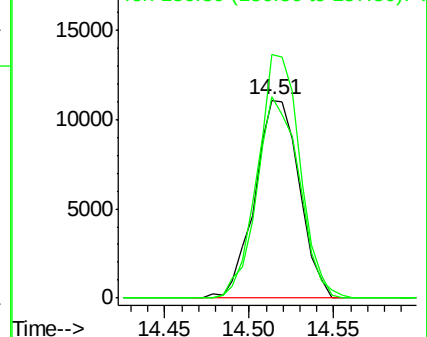
157 116.3 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

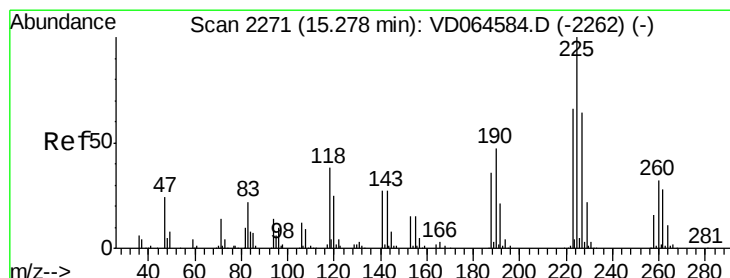
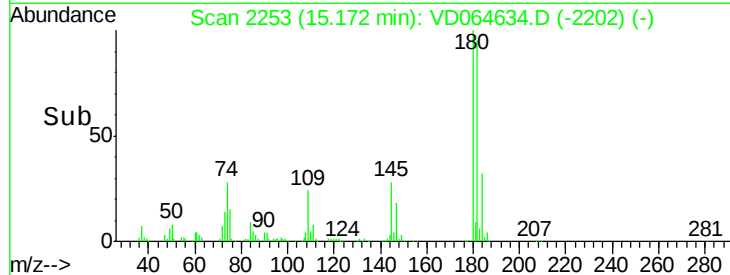
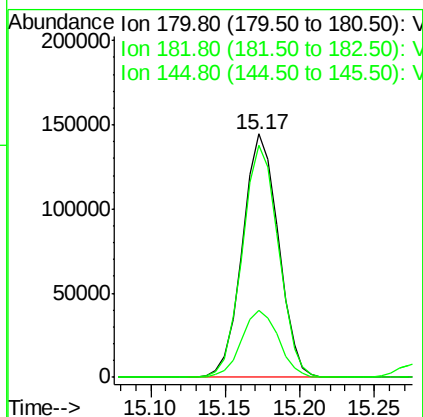
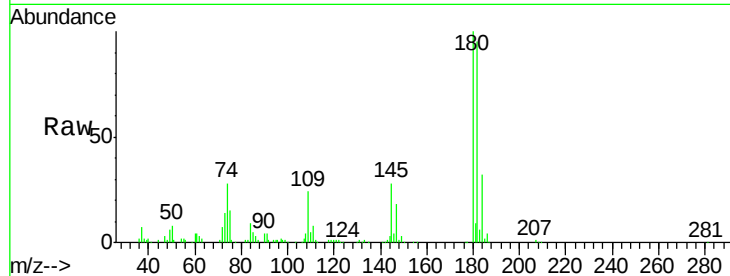




#93
 1,2,4-Trichlorobenzene
 Concen: 46.307 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

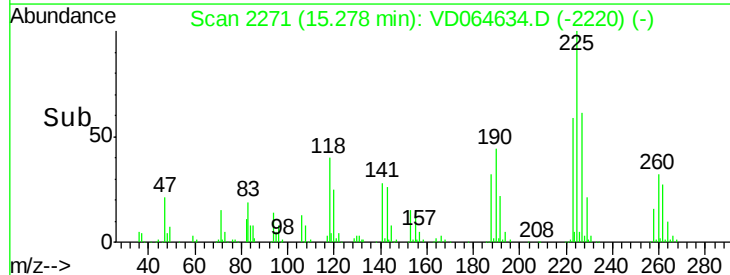
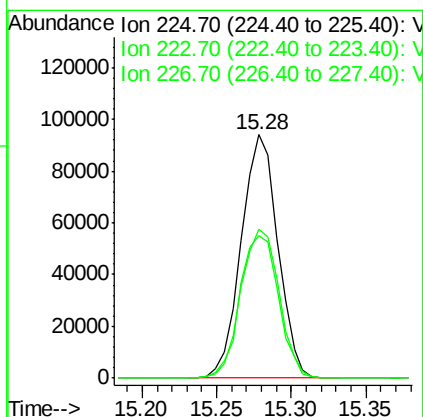
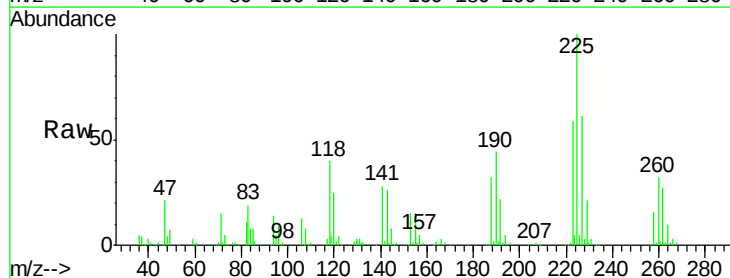
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

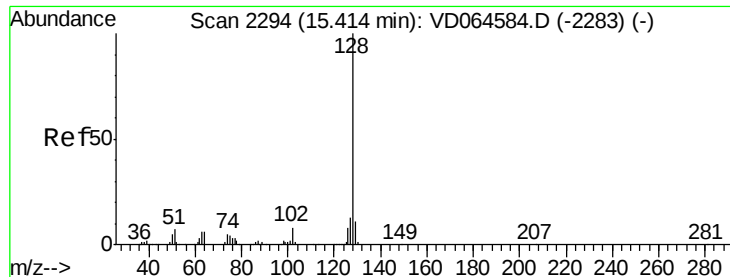
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	28.5	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 48.969 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.2
227	63.7	30.9	92.7

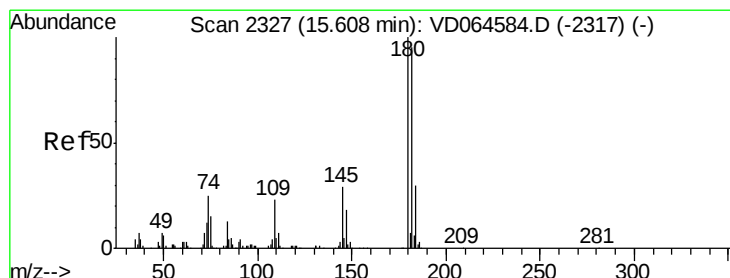
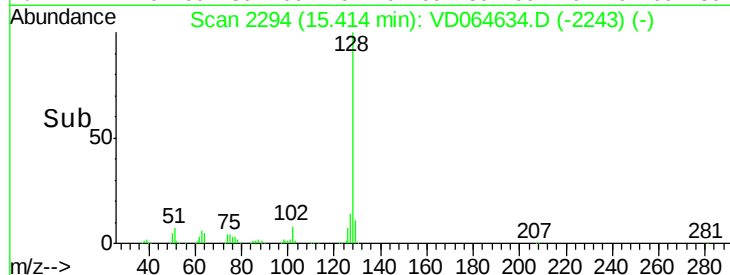
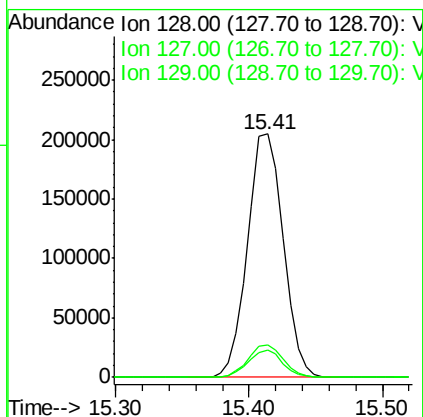
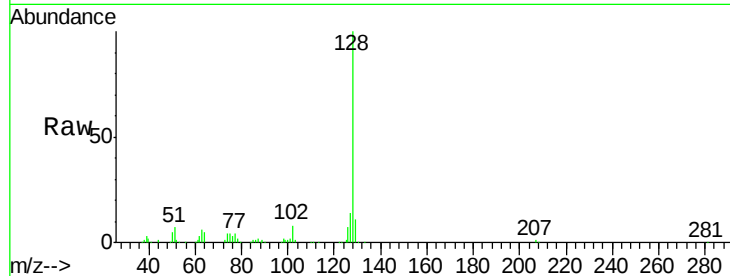




#95
Naphthalene
Concen: 46.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 379177
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.432 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion:180 Resp: 205749
Ion Ratio Lower Upper
180 100
182 94.2 47.9 143.7
145 28.6 14.9 44.7

