

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064841.D
 Acq On : 13 Jan 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 14 11:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	542127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271769	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	214476	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	
35) Dibromofluoromethane	7.92	113	210150	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
50) Toluene-d8	10.34	98	795338	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	255850	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	145864	43.735	ug/l	100
3) Chloromethane	2.21	50	225866	48.423	ug/l	96
4) Vinyl Chloride	2.35	62	266840	46.919	ug/l	97
5) Bromomethane	2.77	94	181349	43.855	ug/l	96
6) Chloroethane	2.92	64	181110	47.526	ug/l	97
7) Trichlorofluoromethane	3.27	101	442738	46.234	ug/l	96
8) Diethyl Ether	3.71	74	98167	51.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202092	50.959	ug/l	98
10) Methyl Iodide	4.30	142	218135	51.207	ug/l	100
11) Tert butyl alcohol	5.24	59	59023	272.151	ug/l	97
12) 1,1-Dichloroethene	4.06	96	186055	49.278	ug/l	98
13) Acrolein	3.93	56	67531	223.428	ug/l	99
14) Allyl chloride	4.71	41	315991	53.679	ug/l	99
15) Acrylonitrile	5.43	53	212353	268.099	ug/l	99
16) Acetone	4.16	43	262968	344.516	ug/l	94
17) Carbon Disulfide	4.40	76	545734	44.701	ug/l	100
18) Methyl Acetate	4.72	43	115629	54.274	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	453047	54.023	ug/l	98
20) Methylene Chloride	4.96	84	211431	55.131	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	217158	50.503	ug/l	97
22) Diisopropyl ether	6.37	45	654590	55.750	ug/l	97
23) Vinyl Acetate	6.31	43	1823741	273.814	ug/l	99
24) 1,1-Dichloroethane	6.26	63	388971	55.182	ug/l	98
25) 2-Butanone	7.22	43	300084	288.488	ug/l	99
26) 2,2-Dichloropropane	7.21	77	359326	54.828	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	245319	52.864	ug/l	96
28) Bromochloromethane	7.55	49	148149	54.067	ug/l	98
29) Tetrahydrofuran	7.57	42	174875	270.339	ug/l	96
30) Chloroform	7.71	83	405047	54.770	ug/l	98
31) Cyclohexane	7.98	56	337919	47.892	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	374131	53.861	ug/l	99
36) 1,1-Dichloropropene	8.11	75	314309	52.723	ug/l	99
37) Ethyl Acetate	7.30	43	125039	53.390	ug/l	97
38) Carbon Tetrachloride	8.10	117	338493	53.250	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	359255	49.755	ug/l	97
40) Benzene	8.36	78	866993	53.274	ug/l	99
41) Methacrylonitrile	7.53	41	71183	52.386	ug/l	92
42) 1,2-Dichloroethane	8.43	62	259285	55.134	ug/l	98
43) Isopropyl Acetate	8.46	43	245694	52.707	ug/l	99
44) Trichloroethene	9.11	130	244284	51.096	ug/l	99
45) 1,2-Dichloropropane	9.39	63	217631	56.009	ug/l	93
46) Dibromomethane	9.48	93	115621	53.370	ug/l	99
47) Bromodichloromethane	9.67	83	310349	53.836	ug/l	99
48) Methyl methacrylate	9.46	41	116301	52.987	ug/l	92
49) 1,4-Dioxane	9.47	88	26681	1068.092	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	632596	274.554	ug/l	99
52) Toluene	10.41	92	569620	53.350	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	291326	54.205	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	345711	54.551	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	157875	54.074	ug/l	94
56) Ethyl methacrylate	10.67	69	195214	53.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	270731	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	316977	228.177	ug/l	100
59) 2-Hexanone	10.99	43	481080	307.630	ug/l	98
60) Dibromochloromethane	11.14	129	217743	53.931	ug/l	99
61) 1,2-Dibromoethane	11.25	107	151279	52.534	ug/l	99
64) Tetrachloroethene	10.88	164	222771	53.562	ug/l	98
65) Chlorobenzene	11.67	112	599250	53.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	233731	55.103	ug/l	98
67) Ethyl Benzene	11.75	91	1100139	53.869	ug/l	99
68) m/p-Xylenes	11.86	106	854533	108.406	ug/l	97
69) o-Xylene	12.18	106	382551	53.729	ug/l	98
70) Styrene	12.20	104	701506	56.131	ug/l	99
71) Bromoform	12.37	173	125216	51.764	ug/l #	100
73) Isopropylbenzene	12.48	105	1056226	54.385	ug/l	99
74) N-amyl acetate	12.30	43	225044	54.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	162990	53.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	221369	103.152	ug/l #	100
77) Bromobenzene	12.77	156	251421	52.686	ug/l	98
78) n-propylbenzene	12.83	91	1243590	54.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	681389	54.745	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	870719	54.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55405	53.996	ug/l	96
82) 4-Chlorotoluene	13.01	91	725192	54.750	ug/l	100
83) tert-Butylbenzene	13.23	119	748042	54.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	874028	55.009	ug/l	97
85) sec-Butylbenzene	13.41	105	1043393	54.945	ug/l	98
86) p-Isopropyltoluene	13.53	119	985576	54.278	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	491706	54.050	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476243	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	895535	54.766	ug/l	99
90) Hexachloroethane	14.12	117	184476	53.185	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	411519	53.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27101	54.796	ug/l	89

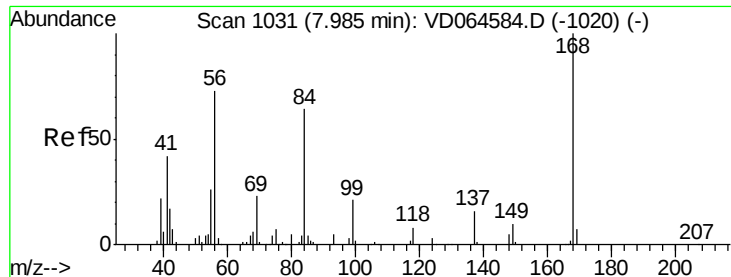
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291060	50.958	ug/l	100
94) Hexachlorobutadiene	15.28	225	183187	50.967	ug/l	99
95) Naphthalene	15.41	128	467301	51.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	244520	50.146	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

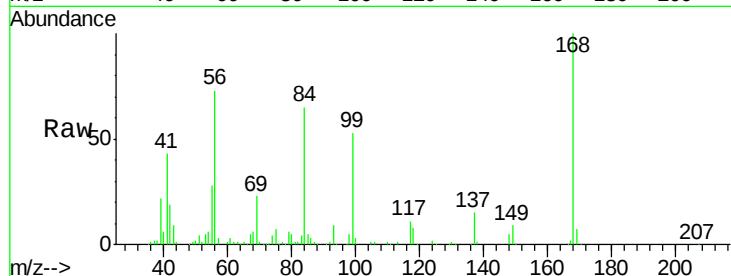
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 429155

Ion Ratio Lower Upper

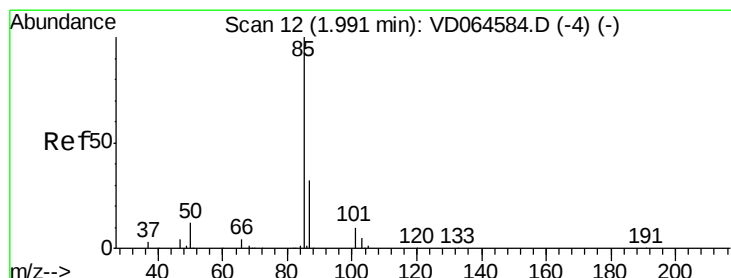
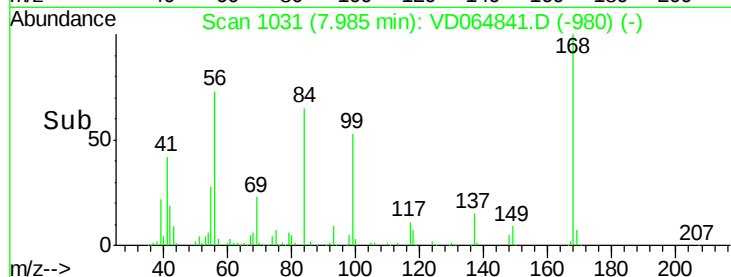
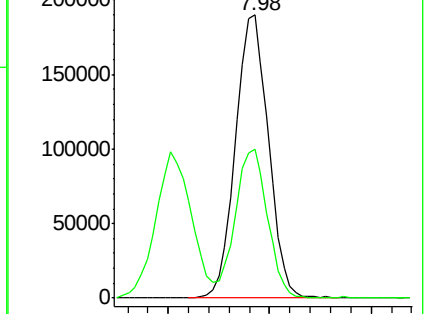
168 100

99 52.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.735 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064841.D

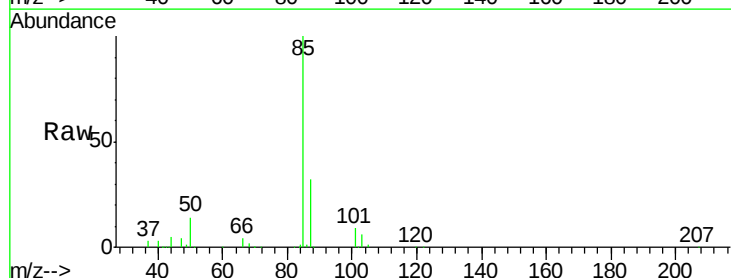
Acq: 13 Jan 2020 11:01

Tgt Ion: 85 Resp: 145864

Ion Ratio Lower Upper

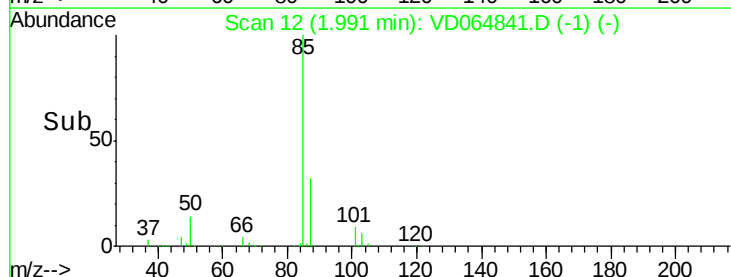
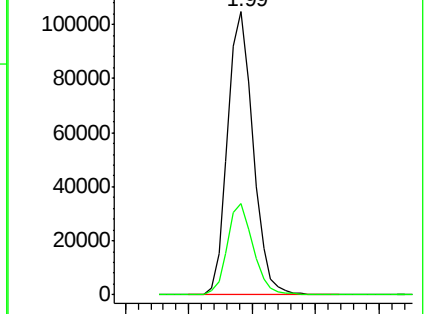
85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

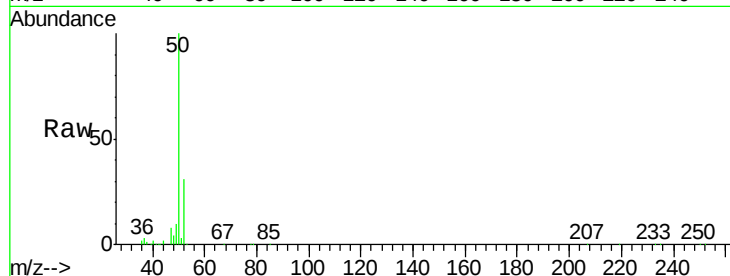
VSTDCCC050

Tgt Ion: 50 Resp: 225866

Ion Ratio Lower Upper

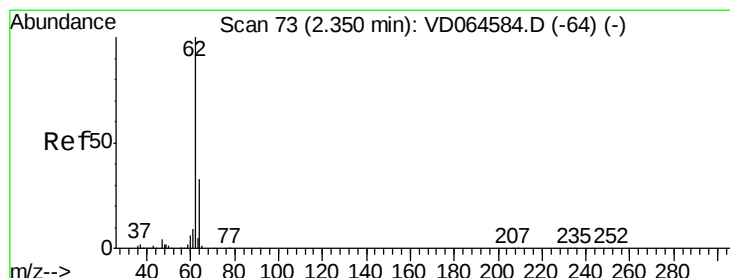
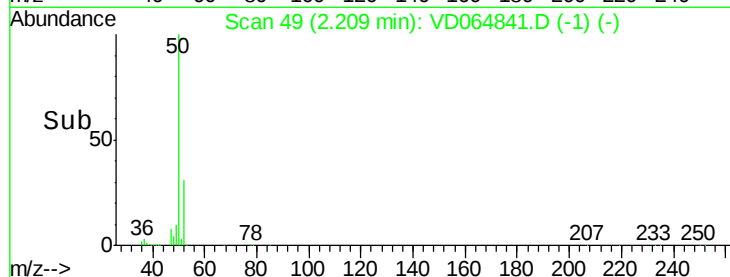
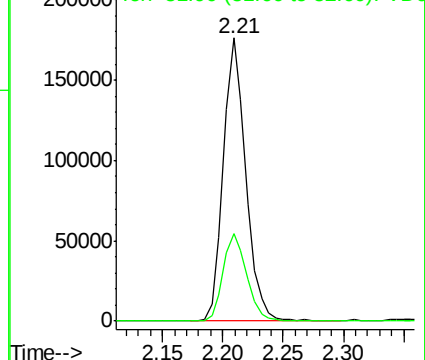
50 100

52 31.1 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: 46.919 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064841.D

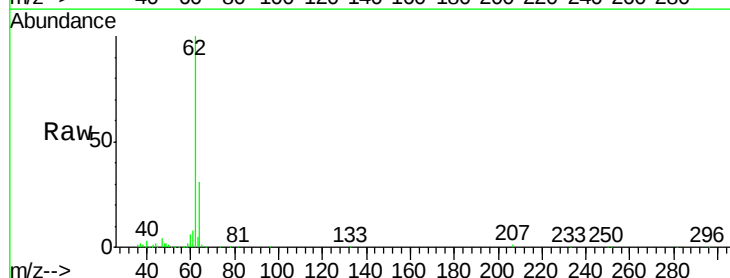
Acq: 13 Jan 2020 11:01

Tgt Ion: 62 Resp: 266840

Ion Ratio Lower Upper

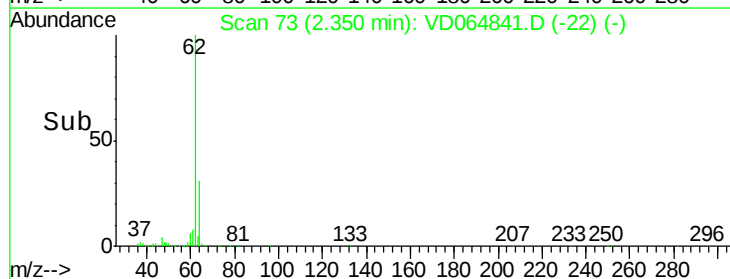
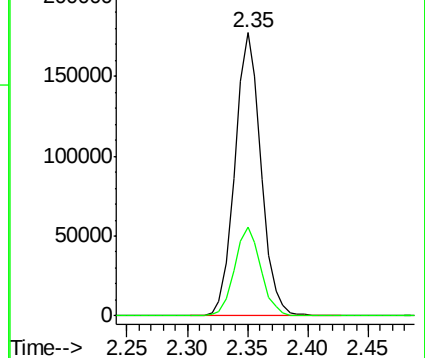
62 100

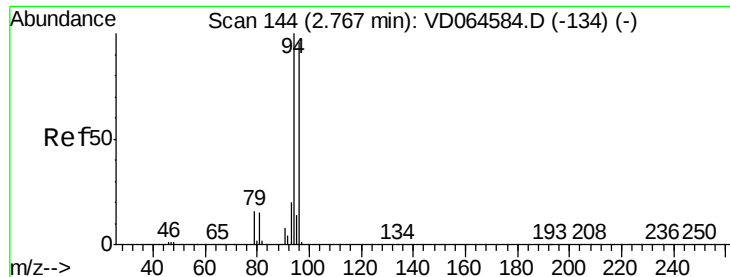
64 31.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.855 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

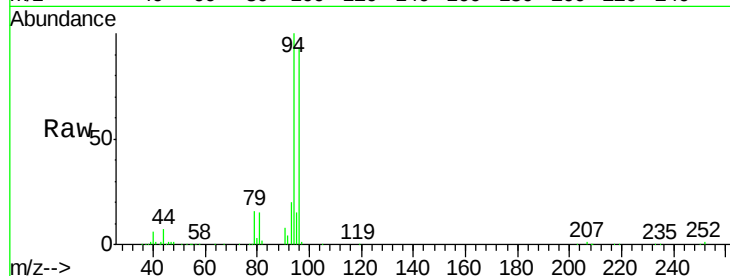
VSTDCCC050

Tgt Ion: 94 Resp: 181349

Ion Ratio Lower Upper

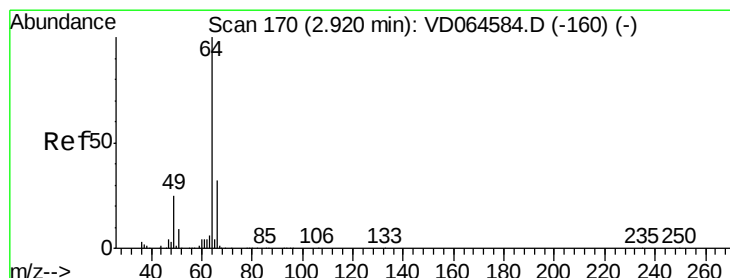
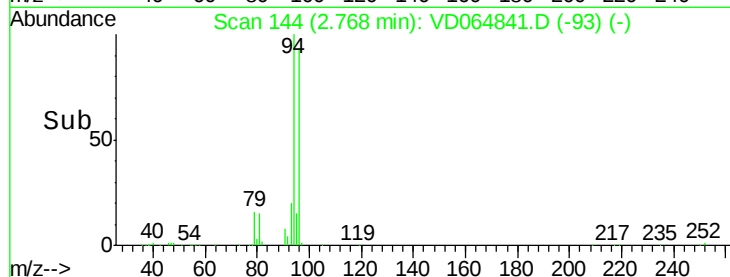
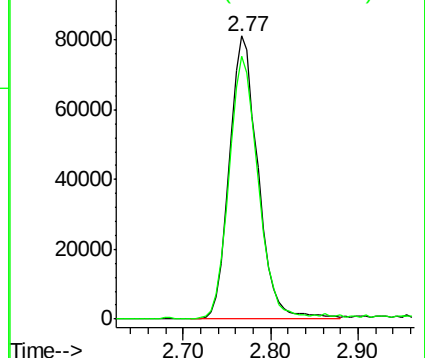
94 100

96 92.8 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: 47.526 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064841.D

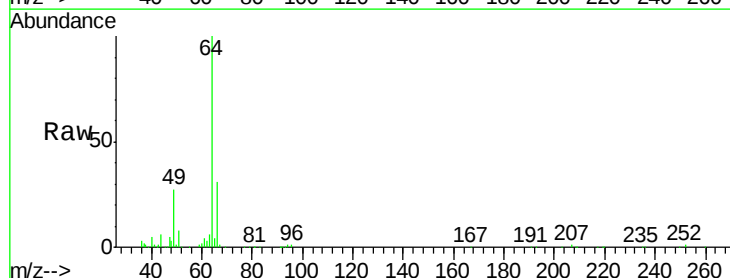
Acq: 13 Jan 2020 11:01

Tgt Ion: 64 Resp: 181110

Ion Ratio Lower Upper

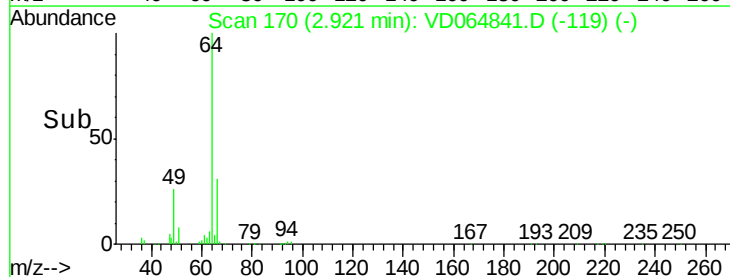
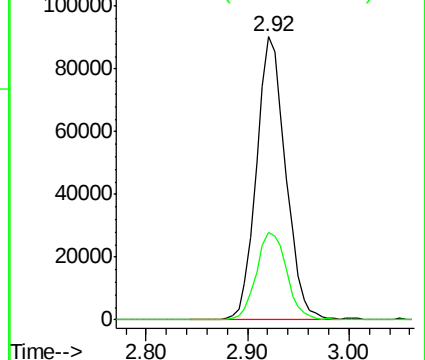
64 100

66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



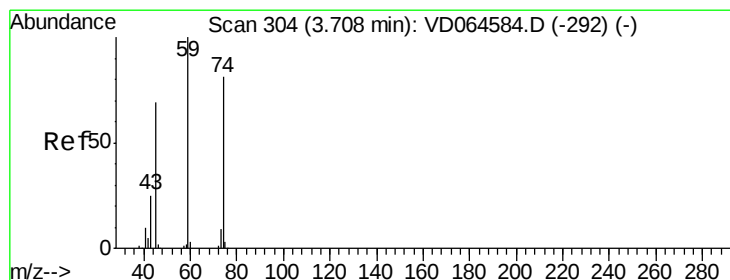
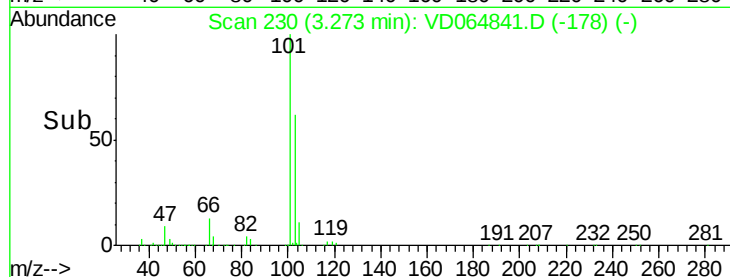
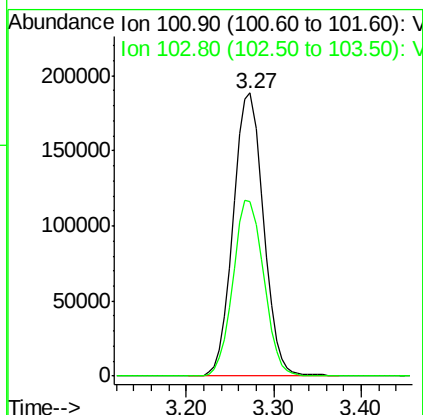
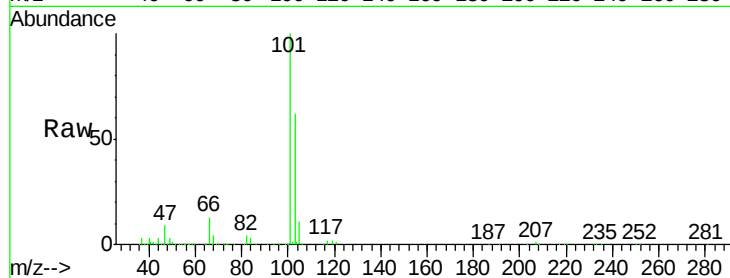


#7

Trichlorofluoromethane
Concen: 46.234 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

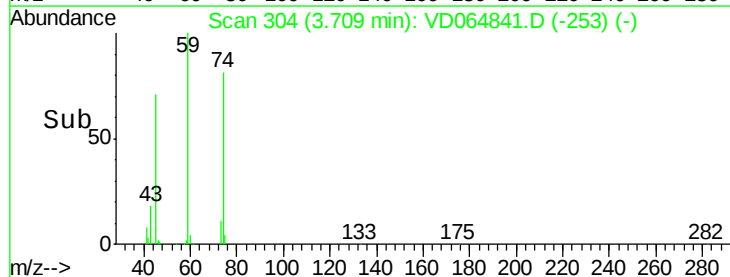
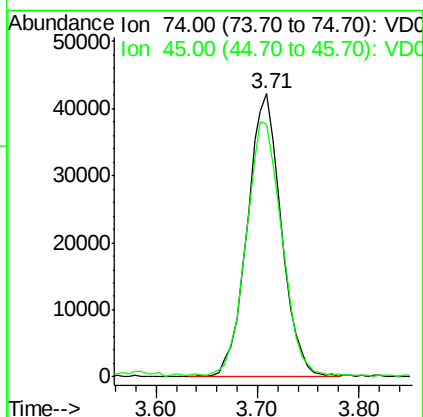
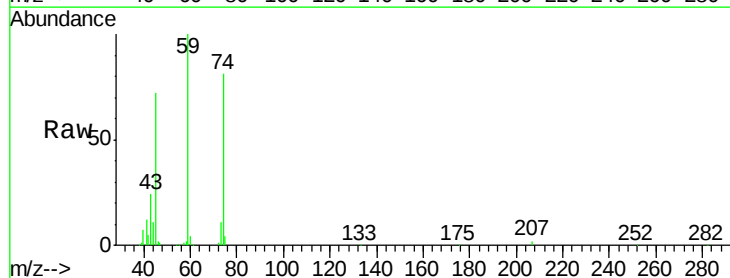
Tgt Ion:101 Resp: 442738
Ion Ratio Lower Upper
101 100
103 61.8 52.2 78.4



#8

Diethyl Ether
Concen: 51.624 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 74 Resp: 98167
Ion Ratio Lower Upper
74 100
45 95.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.959 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

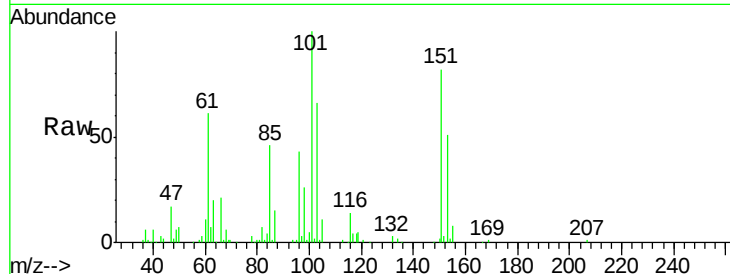
Tgt Ion:101 Resp: 202092

Ion Ratio Lower Upper

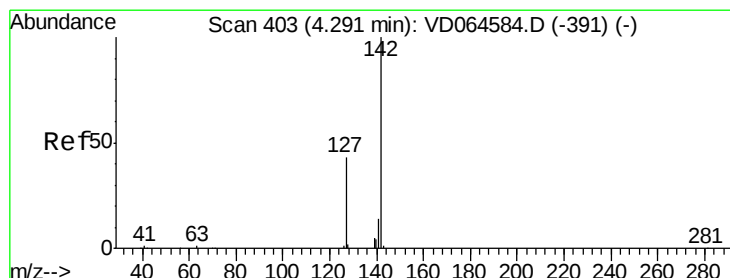
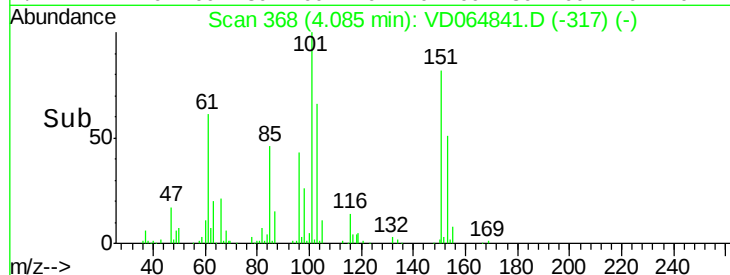
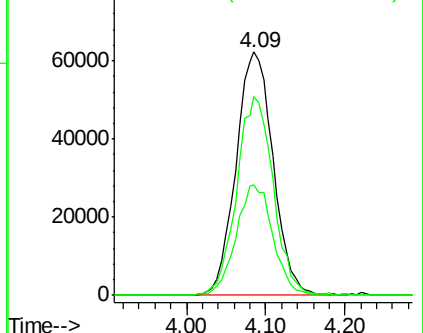
101 100

85 45.0 35.2 52.8

151 80.3 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: 51.207 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

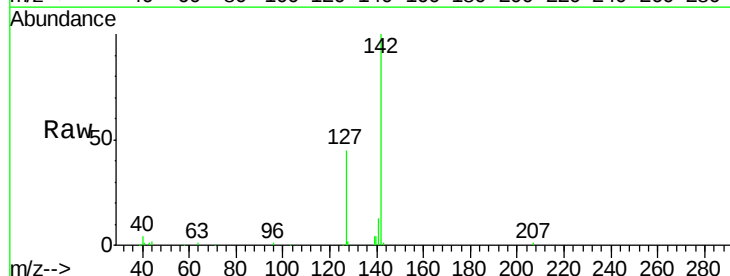
Tgt Ion:142 Resp: 218135

Ion Ratio Lower Upper

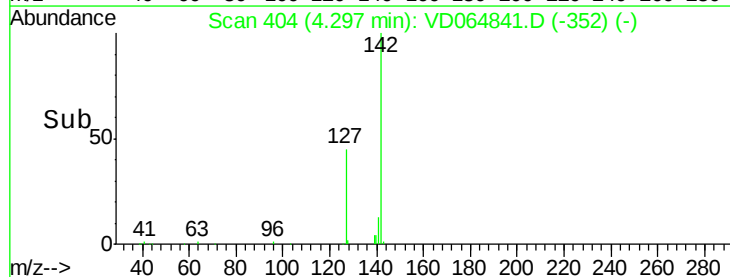
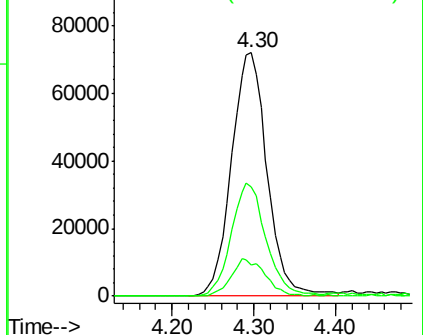
142 100

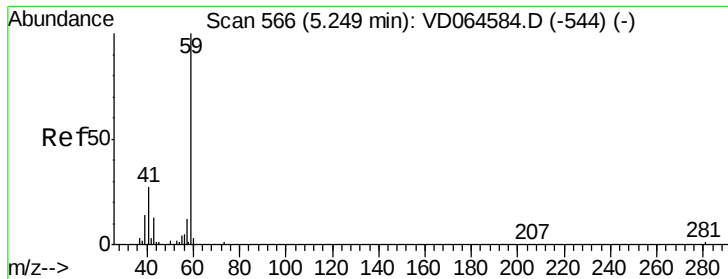
127 45.3 36.2 54.4

141 14.7 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

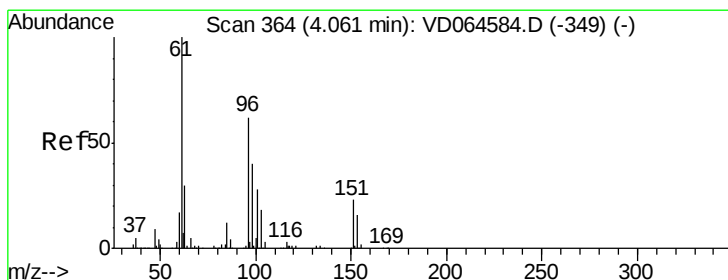
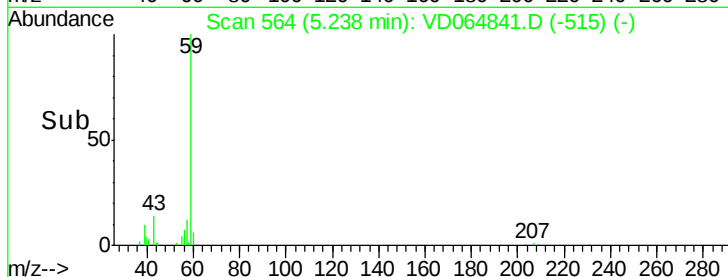
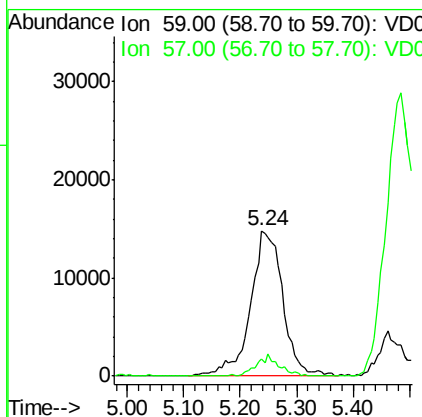
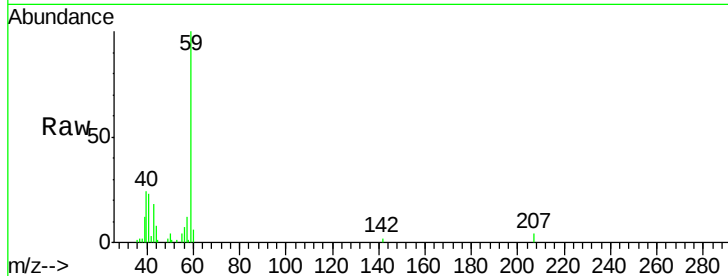




#11
Tert butyl alcohol
Concen: 272.151 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

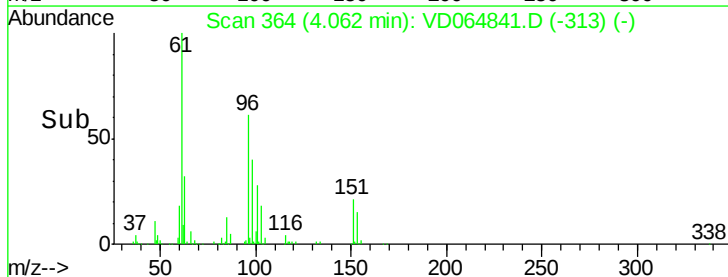
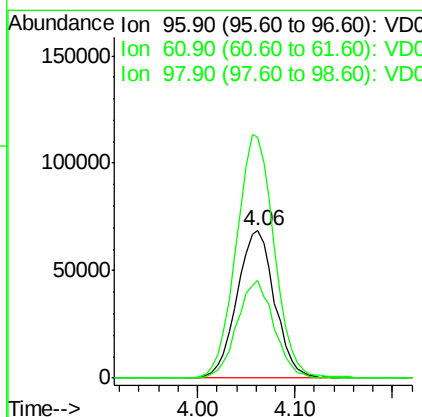
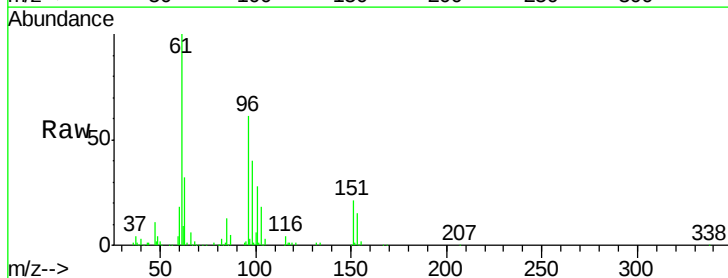
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

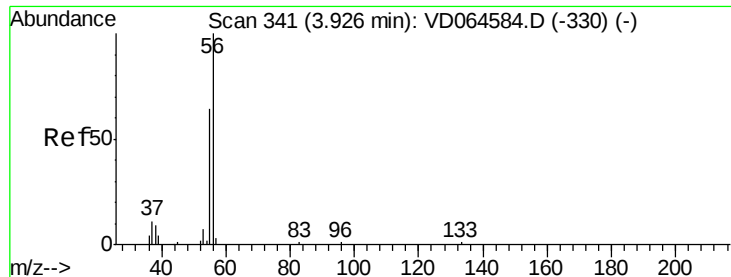
Tgt Ion: 59 Resp: 59023
Ion Ratio Lower Upper
59 100
57 10.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 49.278 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 96 Resp: 186055
Ion Ratio Lower Upper
96 100
61 164.0 129.4 194.0
98 66.1 51.4 77.0





#13

Acrolein

Concen: 223.428 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

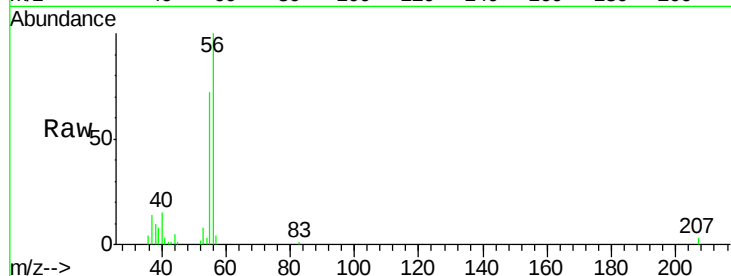
VSTDCCC050

Tgt Ion: 56 Resp: 67531

Ion Ratio Lower Upper

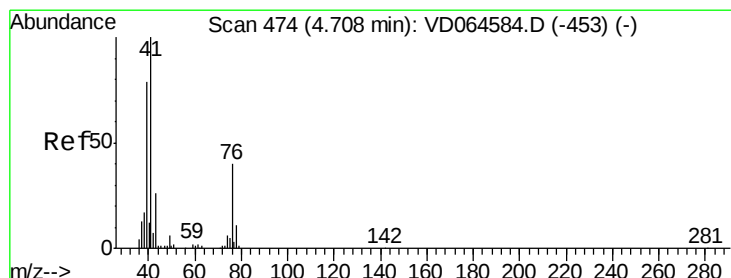
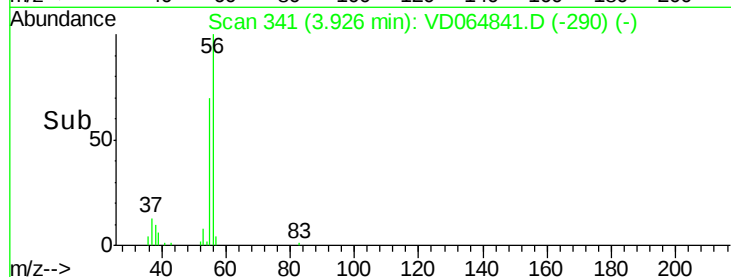
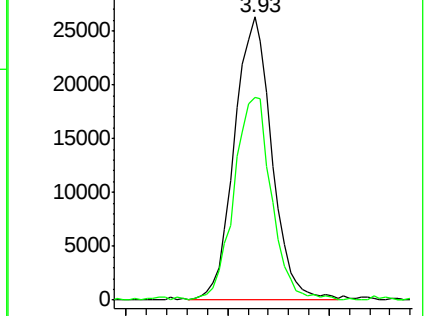
56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.679 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

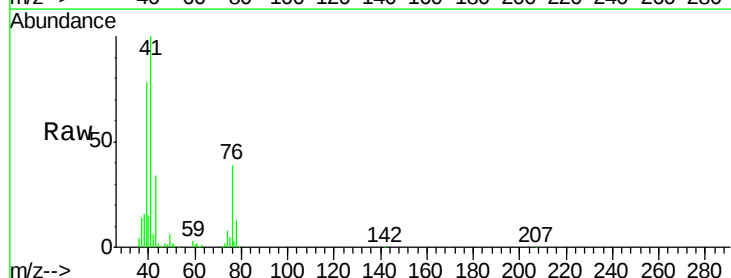
Tgt Ion: 41 Resp: 315991

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

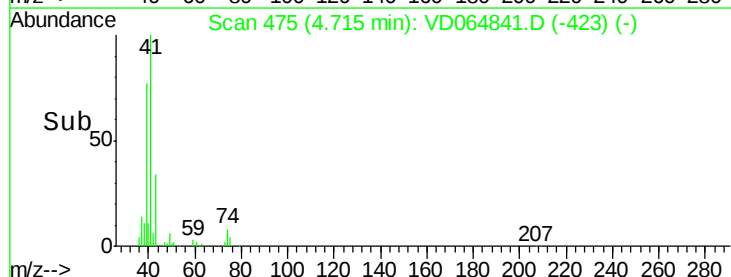
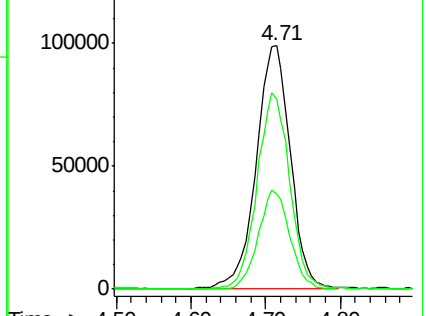
76 36.8 29.7 44.5

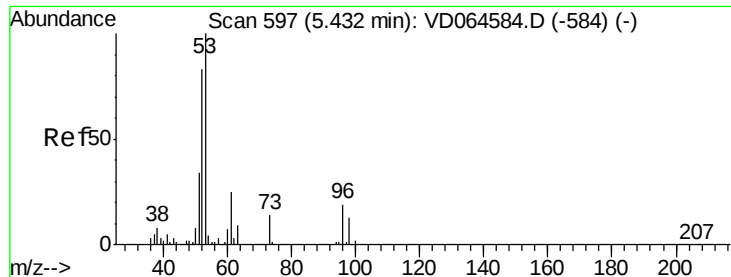


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 268.099 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

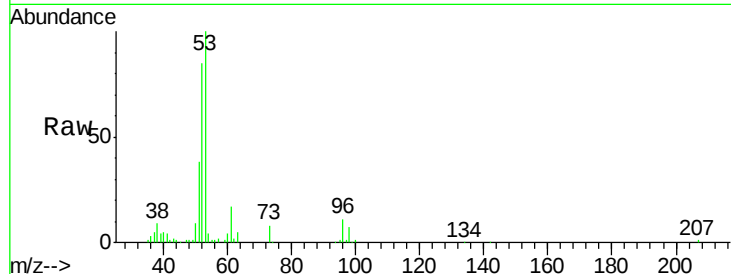
Tgt Ion: 53 Resp: 212353

Ion Ratio Lower Upper

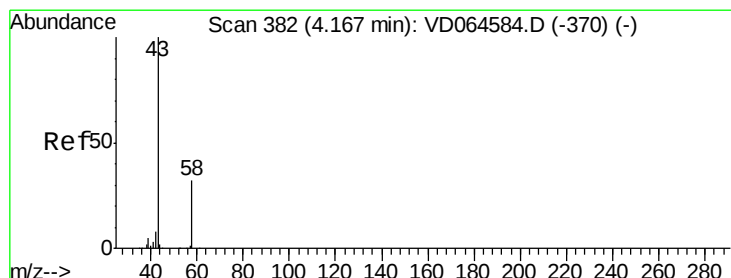
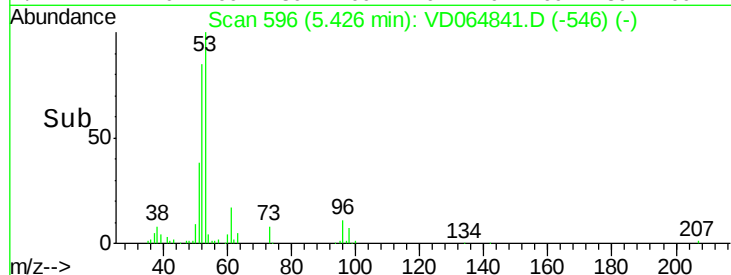
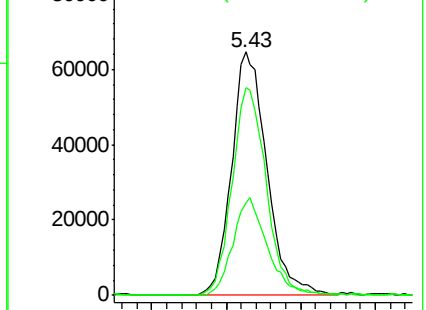
53 100

52 82.4 66.2 99.2

51 39.1 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: 344.516 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064841.D

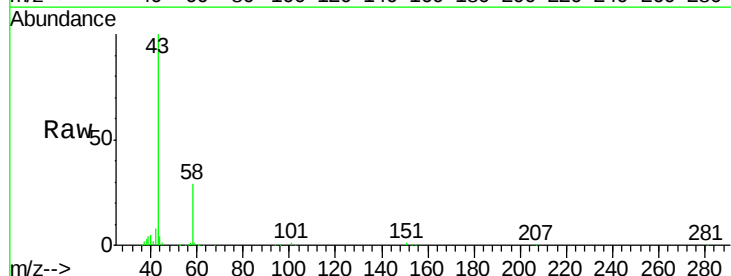
Acq: 13 Jan 2020 11:01

Tgt Ion: 43 Resp: 262968

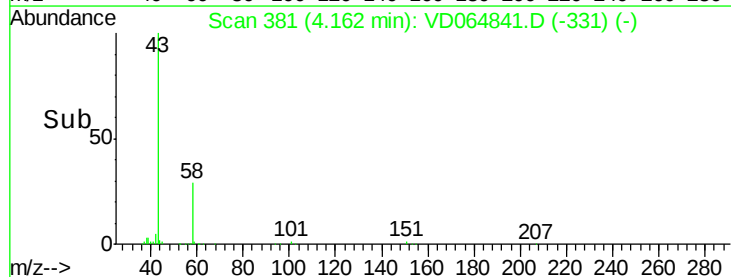
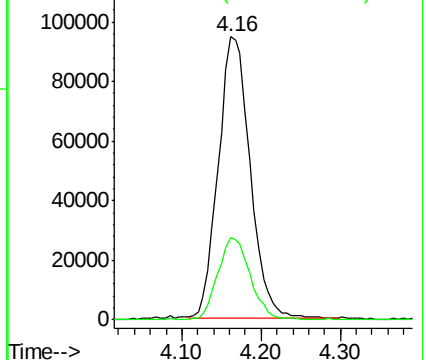
Ion Ratio Lower Upper

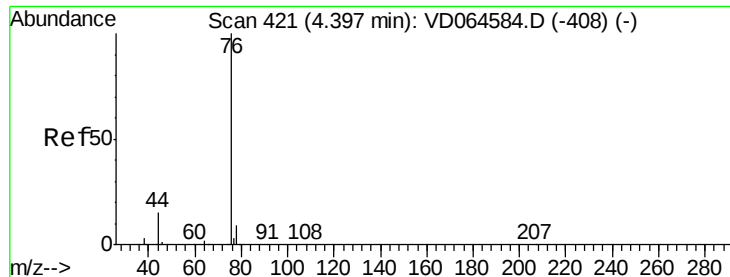
43 100

58 28.9 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: 44.701 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

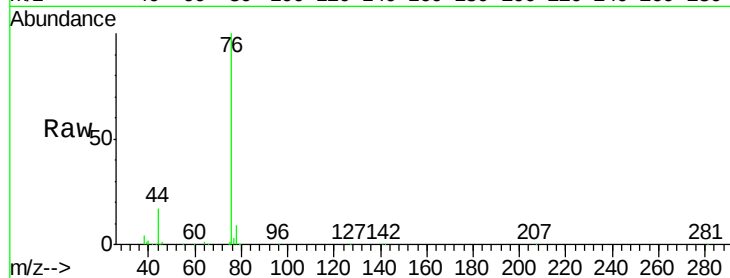
VSTDCCC050

Tgt Ion: 76 Resp: 545734

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

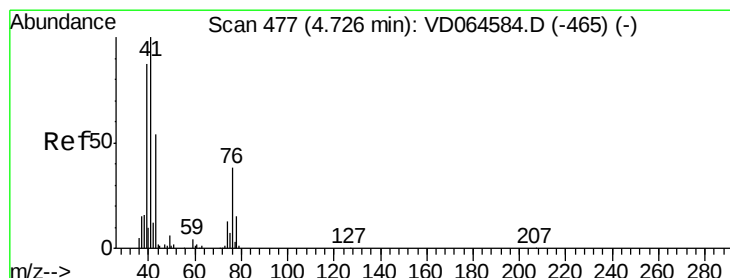
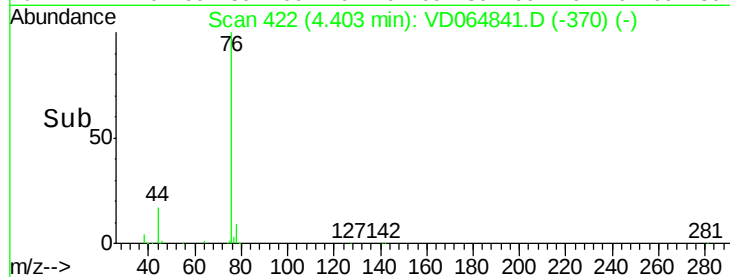
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.274 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064841.D

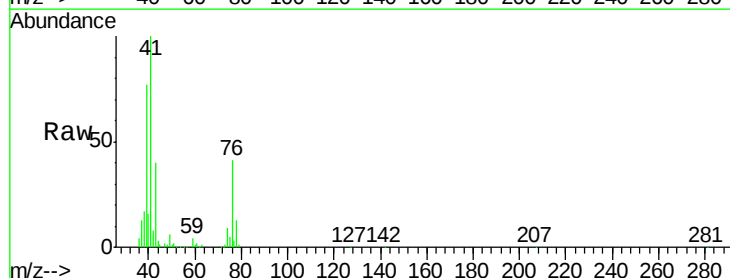
Acq: 13 Jan 2020 11:01

Tgt Ion: 43 Resp: 115629

Ion Ratio Lower Upper

43 100

74 22.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

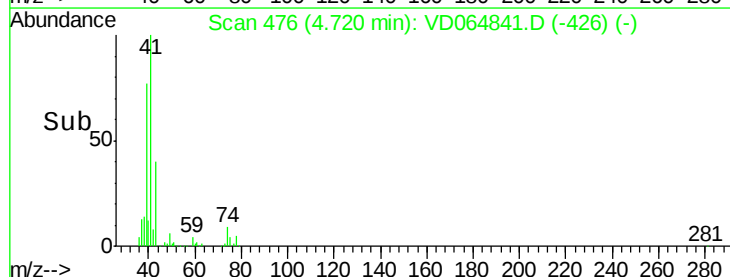
30000

20000

10000

0

Time-->

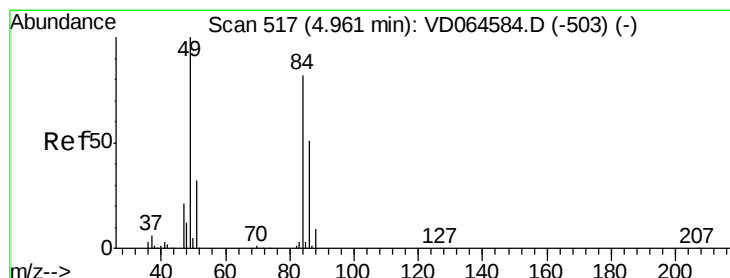
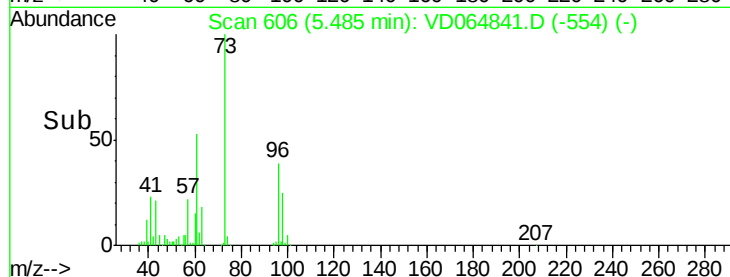
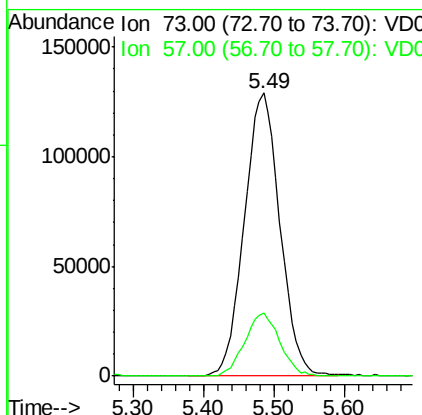
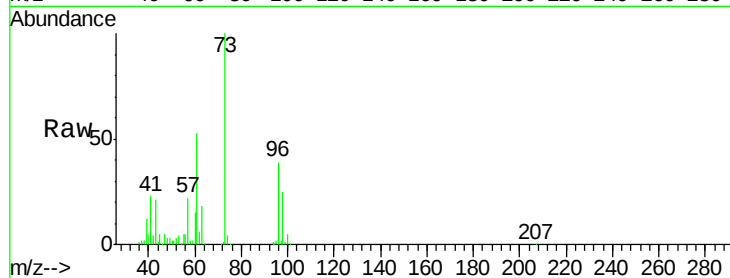




#19
Methyl tert-butyl Ether
Concen: 54.023 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

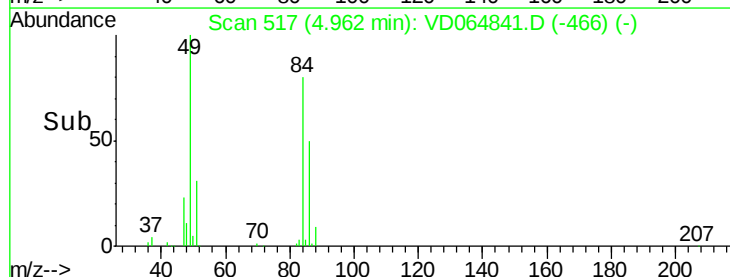
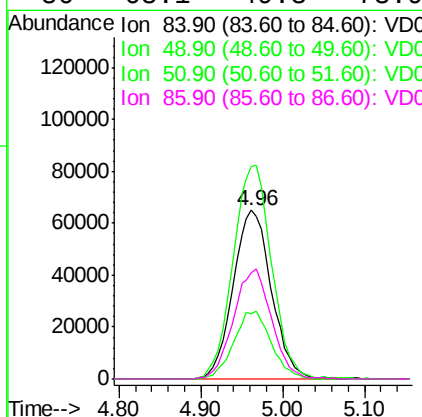
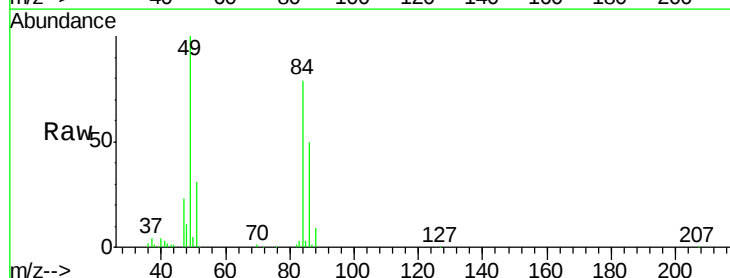
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

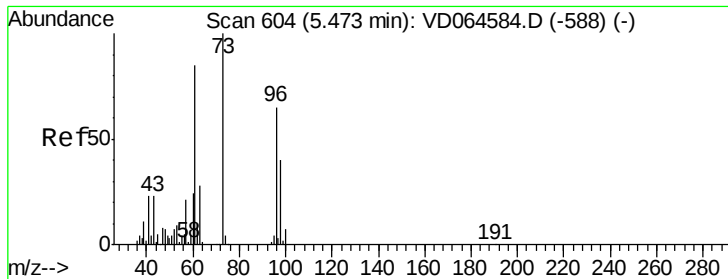
Tgt Ion: 73 Resp: 453047
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8



#20
Methylene Chloride
Concen: 55.131 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 84 Resp: 211431
Ion Ratio Lower Upper
84 100
49 125.8 97.2 145.8
51 39.1 31.4 47.0
86 63.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.503 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

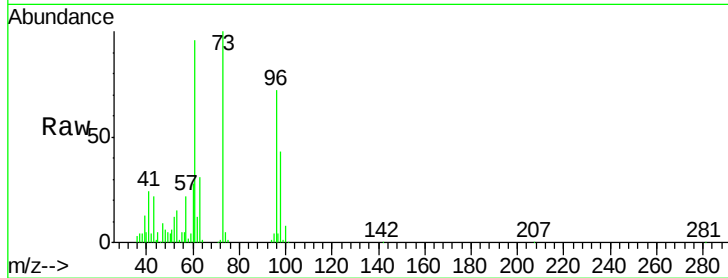
Tgt Ion: 96 Resp: 217158

Ion Ratio Lower Upper

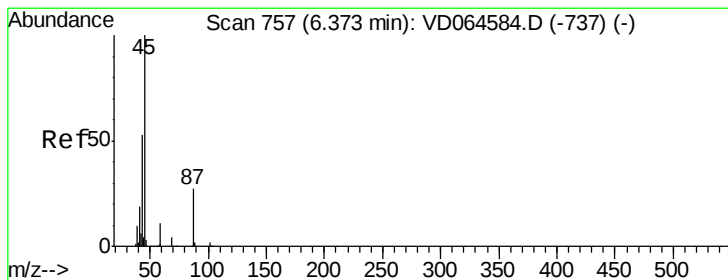
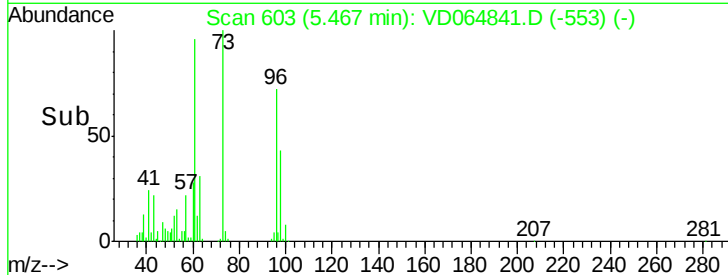
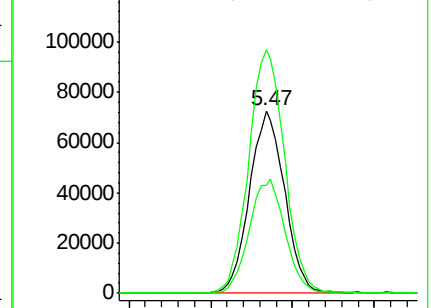
96 100

61 133.6 104.7 157.1

98 59.0 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: 55.750 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion: 45 Resp: 654590

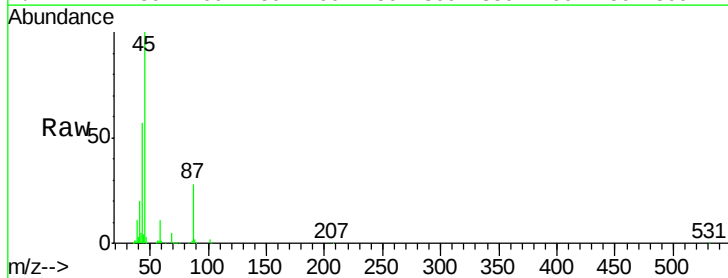
Ion Ratio Lower Upper

45 100

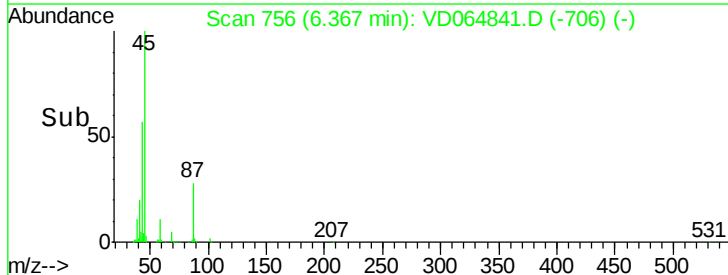
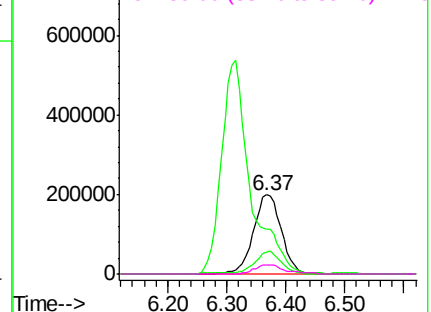
43 57.0 43.2 64.8

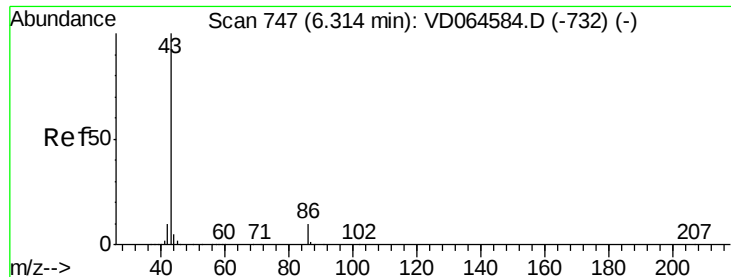
87 27.2 21.9 32.9

59 11.2 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: 273.814 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

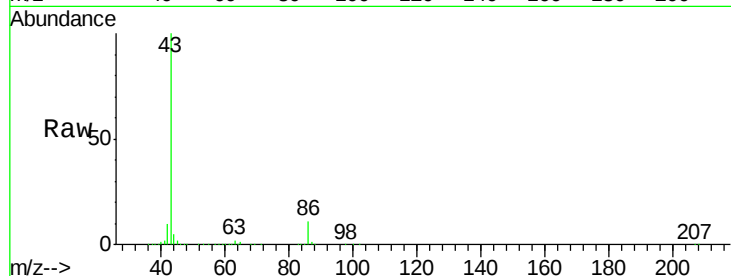
VSTDCCC050

Tgt Ion: 43 Resp: 1823741

Ion Ratio Lower Upper

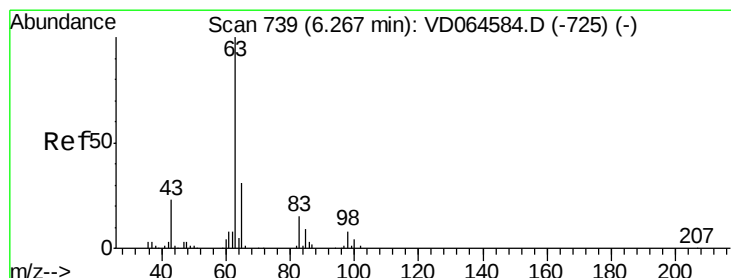
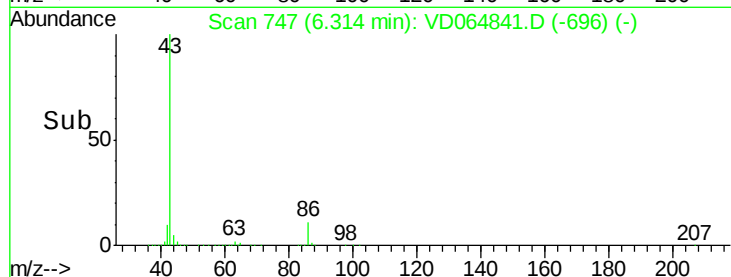
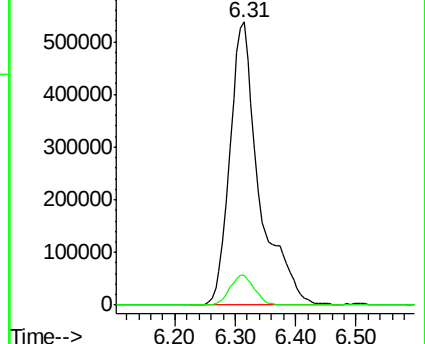
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.182 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

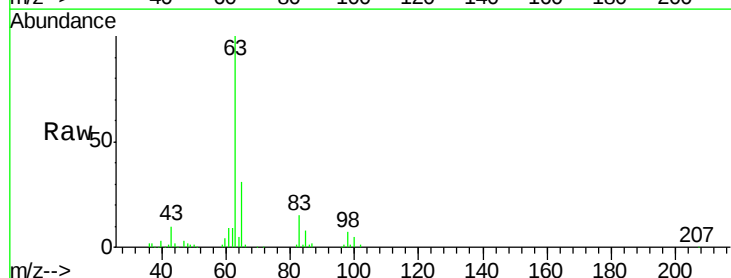
Tgt Ion: 63 Resp: 388971

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

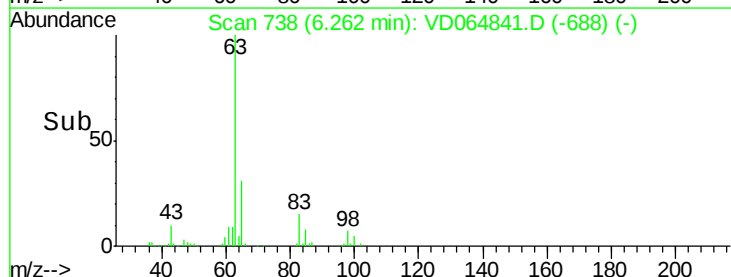
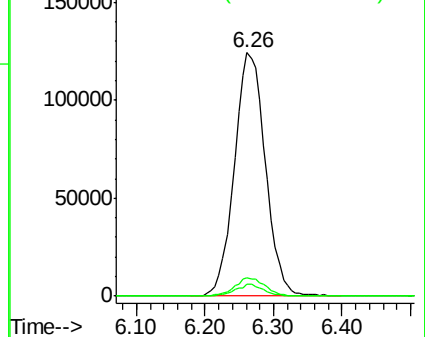
100 4.7 2.2 6.6

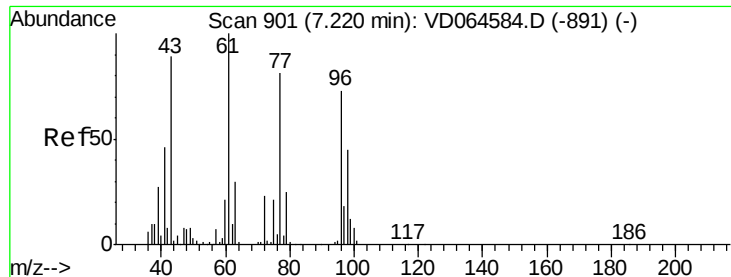


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 288.488 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

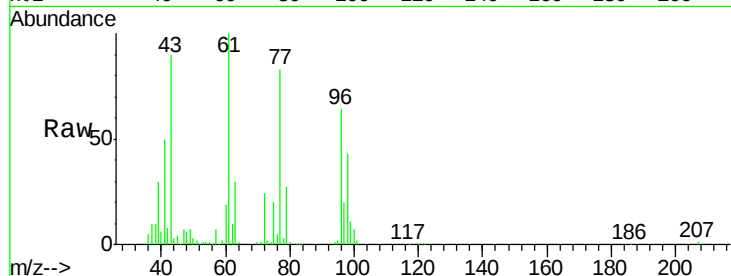
VSTDCCC050

Tgt Ion: 43 Resp: 300084

Ion Ratio Lower Upper

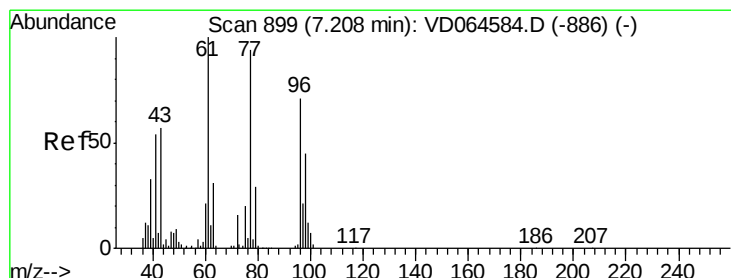
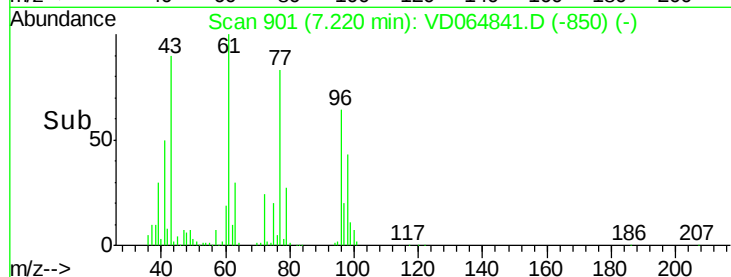
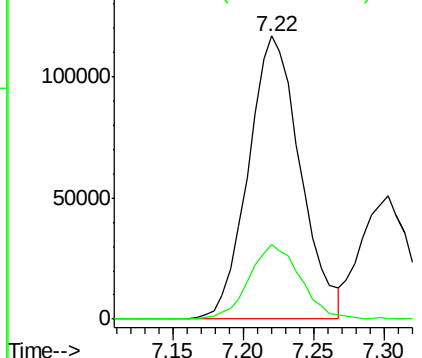
43 100

72 26.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.828 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064841.D

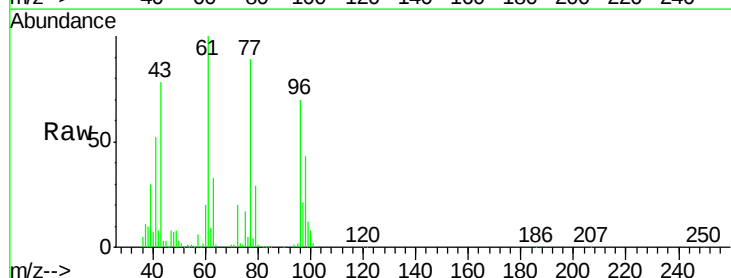
Acq: 13 Jan 2020 11:01

Tgt Ion: 77 Resp: 359326

Ion Ratio Lower Upper

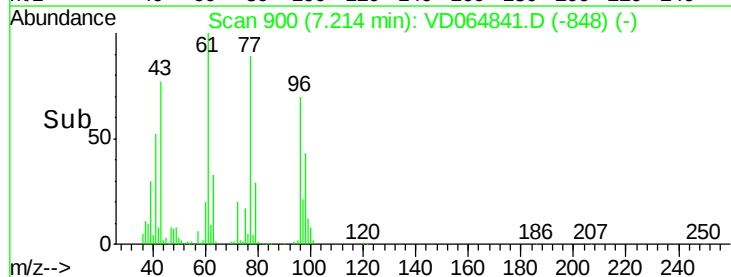
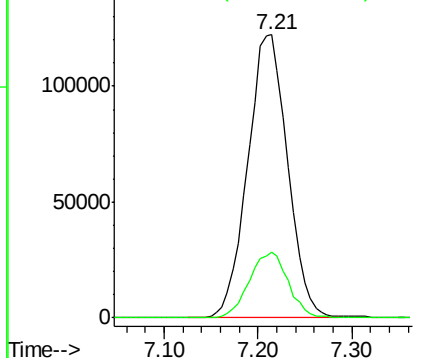
77 100

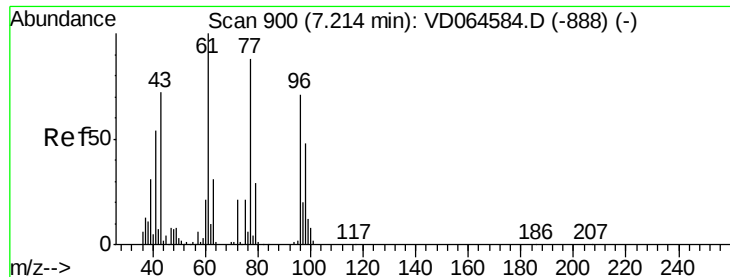
97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



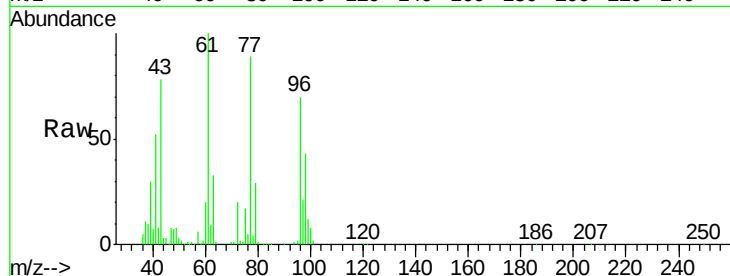


#27

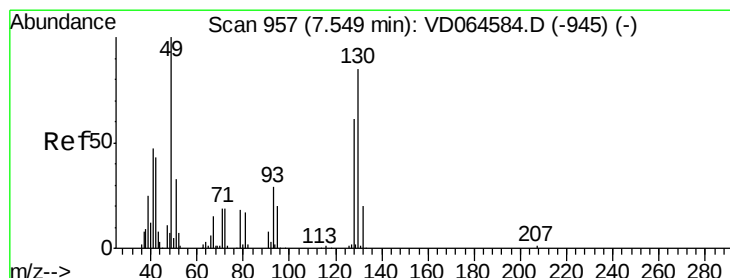
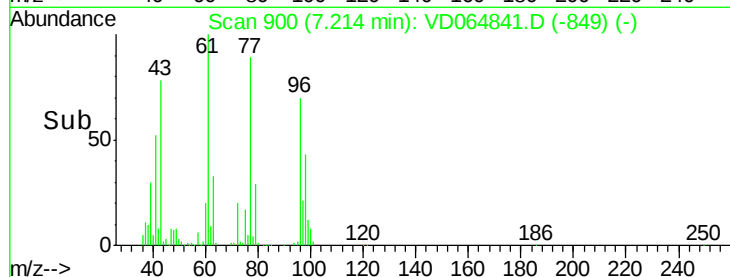
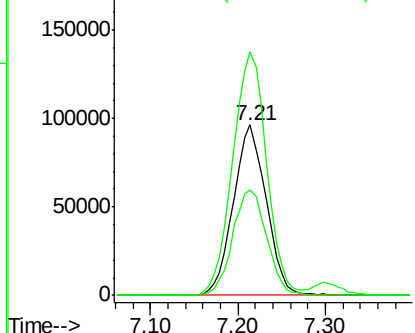
cis-1,2-Dichloroethene
Concen: 52.864 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 245319
Ion Ratio Lower Upper
96 100
61 148.0 0.0 282.6
98 63.9 0.0 130.8



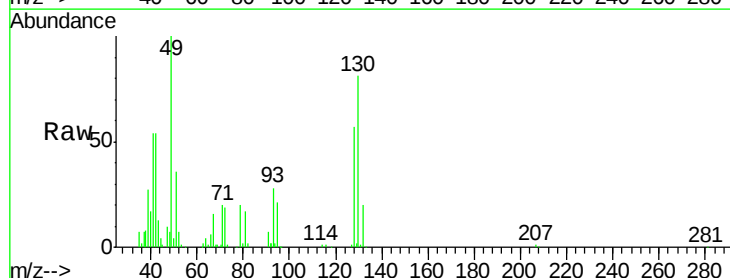
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



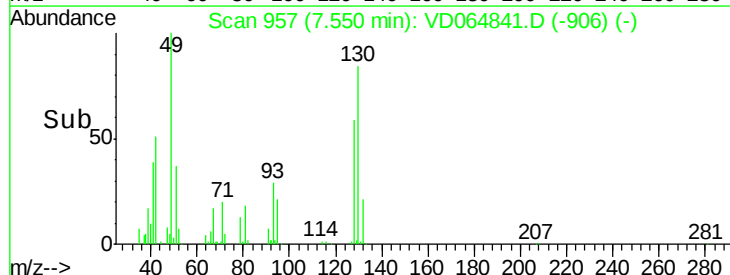
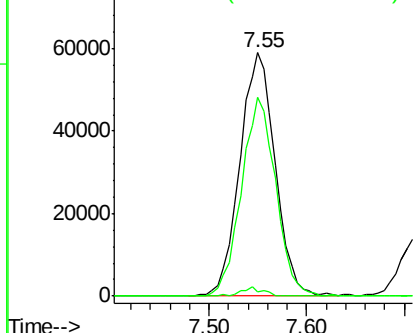
#28

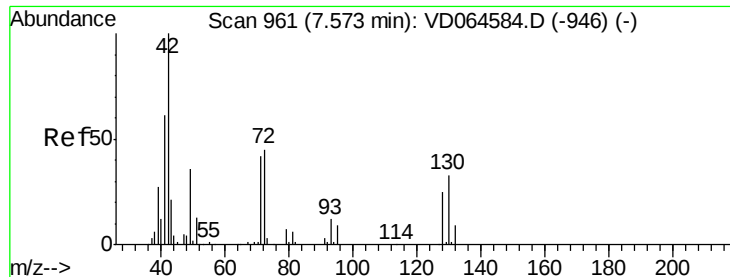
Bromochloromethane
Concen: 54.067 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 49 Resp: 148149
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.8
130 79.3 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

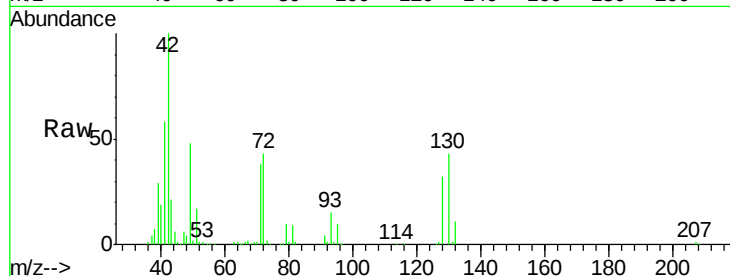




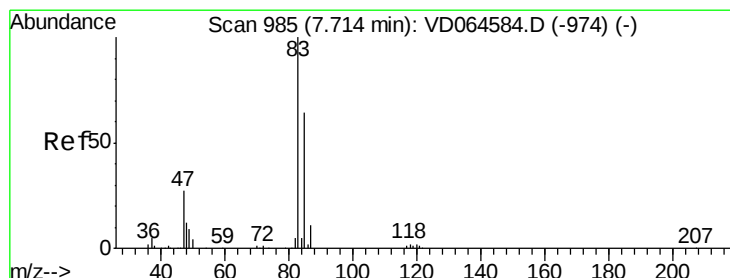
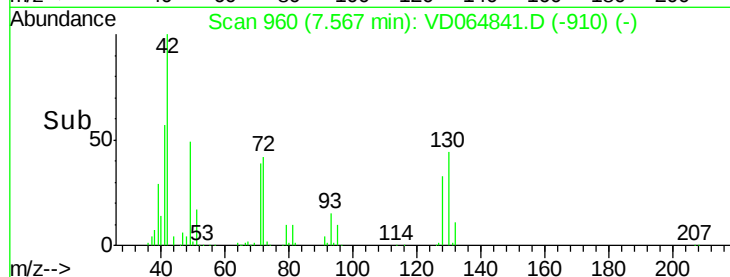
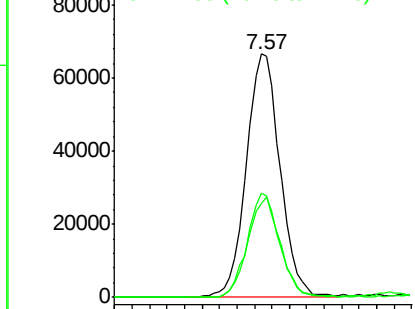
#29
Tetrahydrofuran
Concen: 270.339 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 174875
Ion Ratio Lower Upper
42 100
72 40.8 35.0 52.4
71 39.2 32.9 49.3

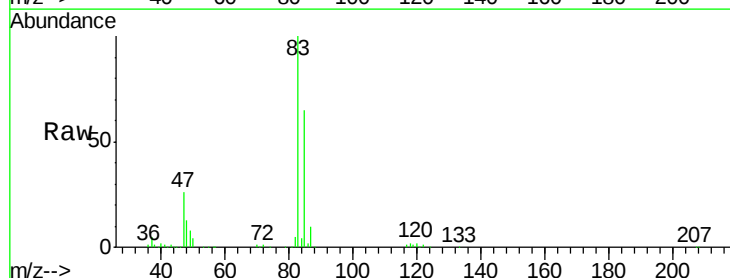


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

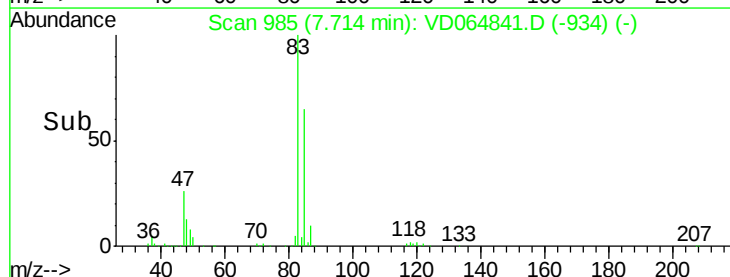
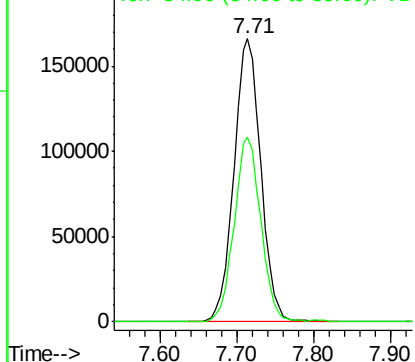


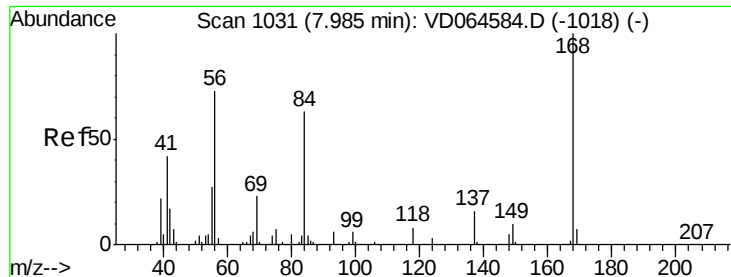
#30
Chloroform
Concen: 54.770 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 83 Resp: 405047
Ion Ratio Lower Upper
83 100
85 65.3 51.1 76.7



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

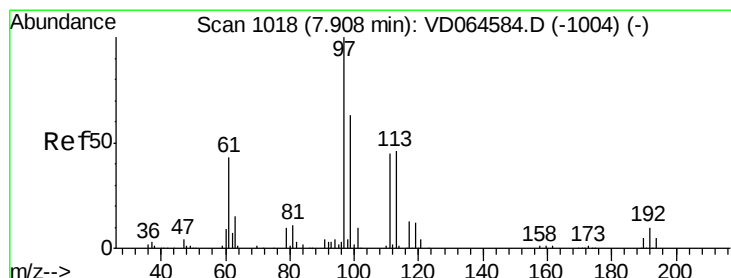
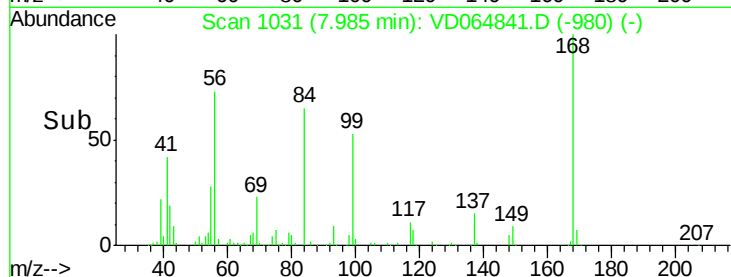
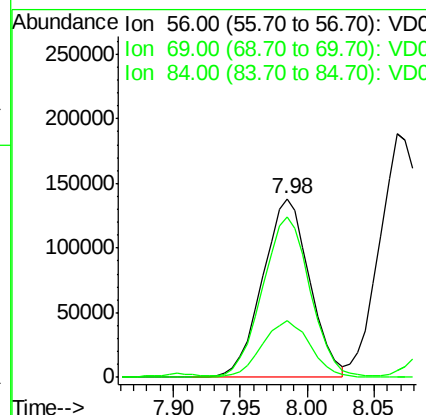
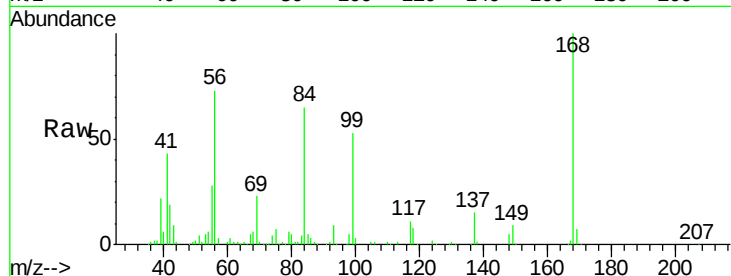




#31
Cyclohexane
Concen: 47.892 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

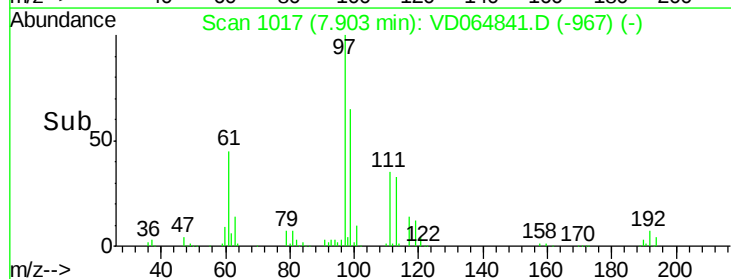
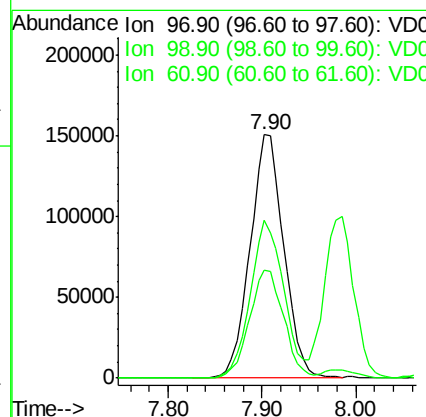
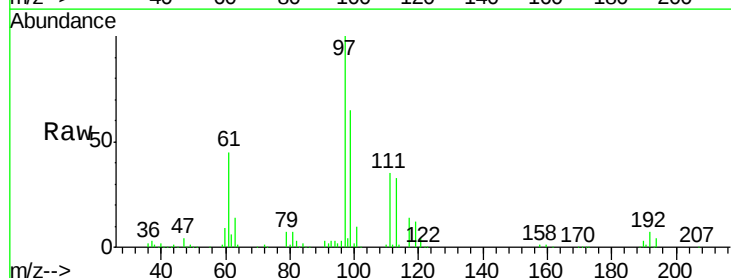
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

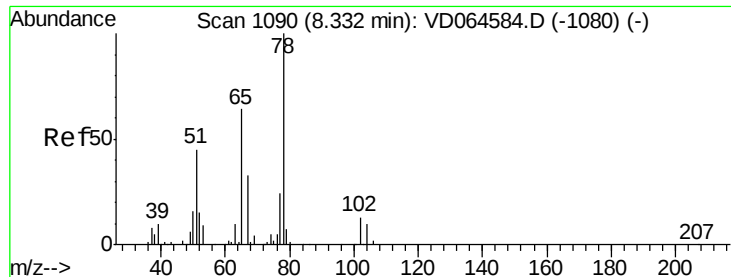
Tgt Ion: 56 Resp: 337919
Ion Ratio Lower Upper
56 100
69 31.9 24.7 37.1
84 88.0 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 53.861 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 97 Resp: 374131
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 45.1 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 56.676 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

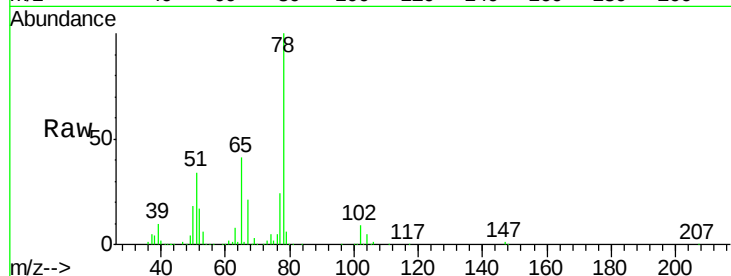
VSTDCCC050

Tgt Ion: 65 Resp: 214476

Ion Ratio Lower Upper

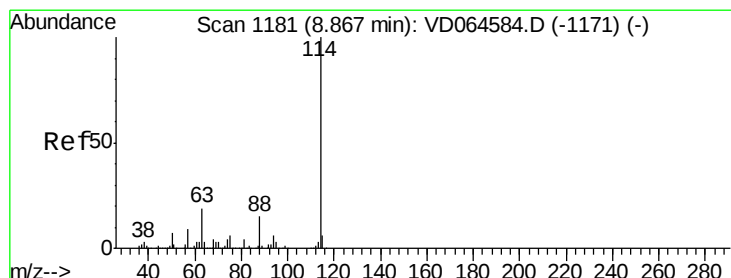
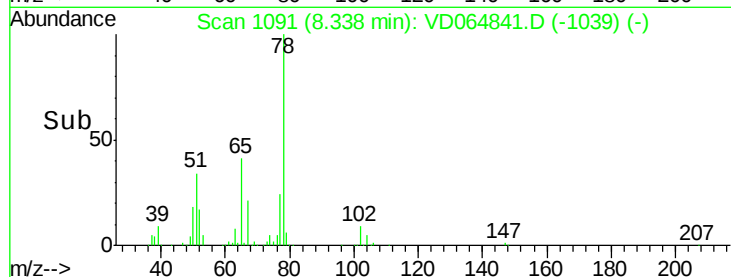
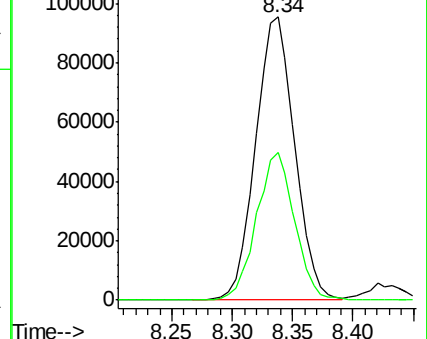
65 100

67 50.8 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: VD064841.D

Acq: 13 Jan 2020 11:01

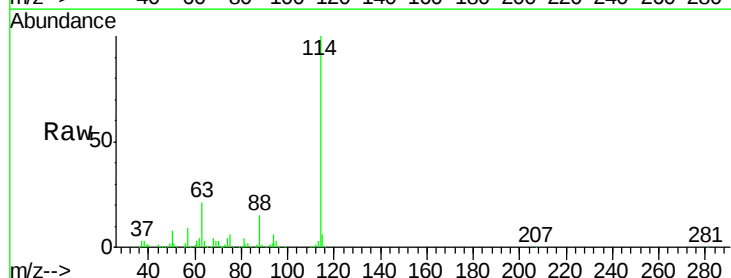
Tgt Ion: 114 Resp: 619377

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.0

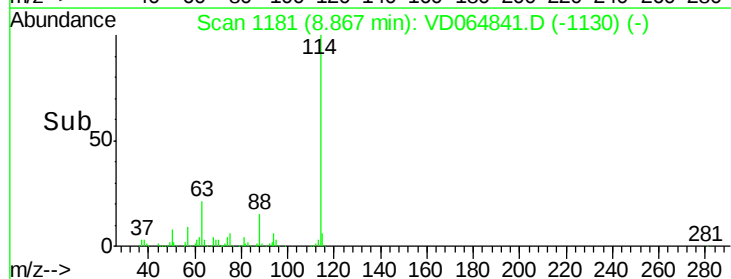
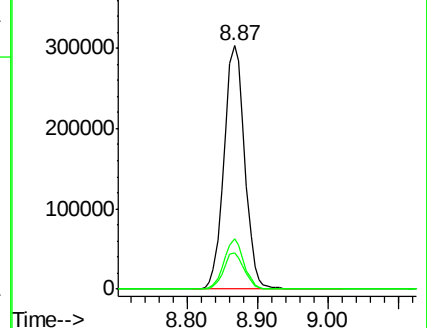
88 15.0 0.0 29.2



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

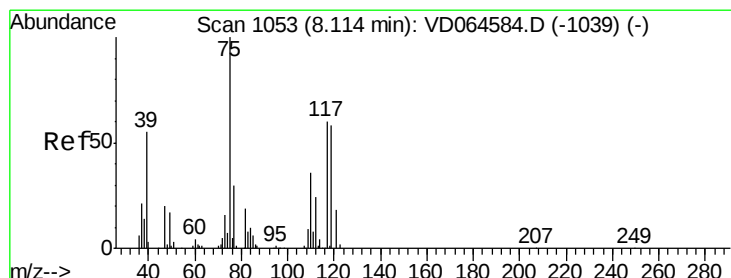
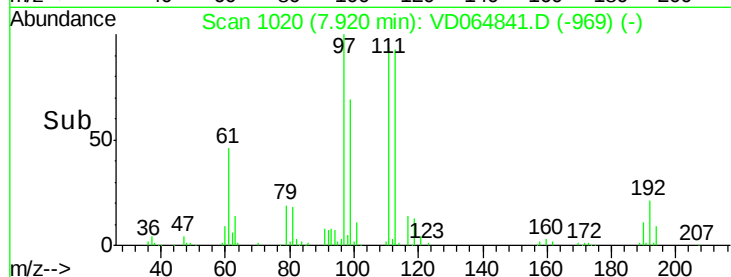
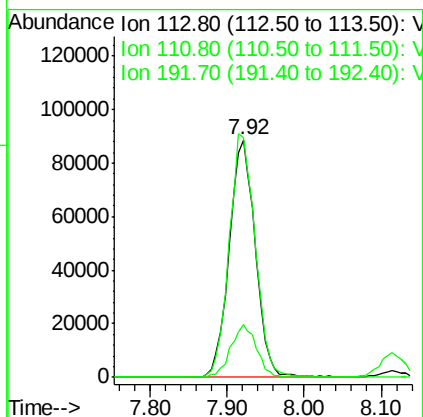
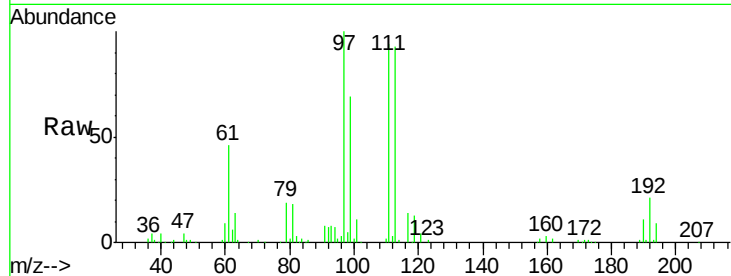




#35
 Dibromofluoromethane
 Concen: 55.303 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

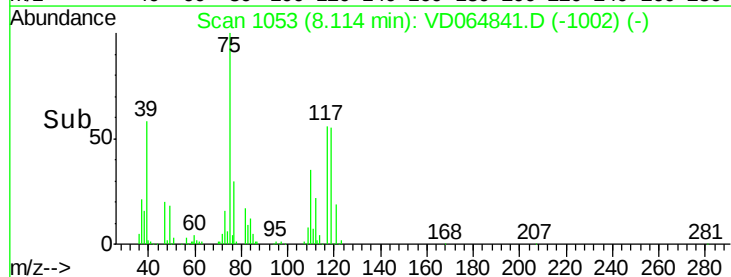
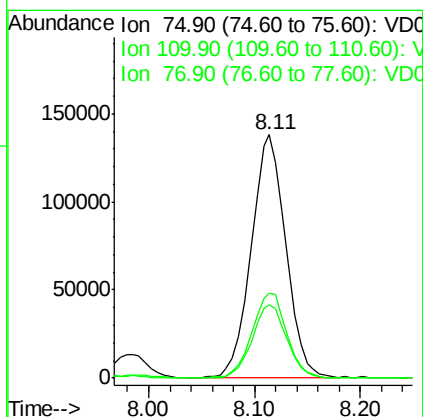
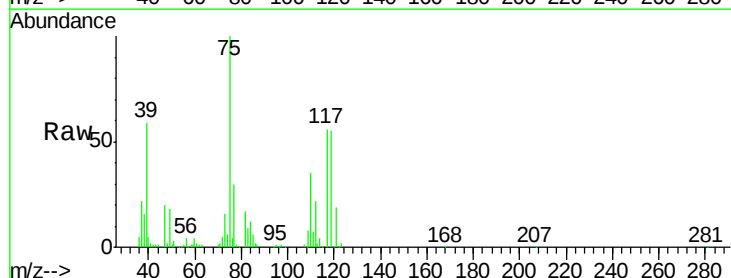
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

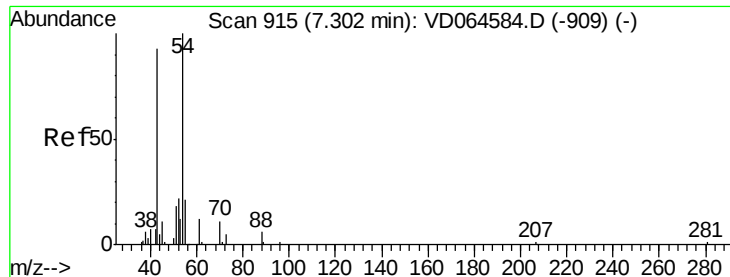
Tgt Ion: 113 Resp: 210150
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.6 121.0
 192 21.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 52.723 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion: 75 Resp: 314309
 Ion Ratio Lower Upper
 75 100
 110 34.8 18.1 54.1
 77 30.5 24.2 36.4

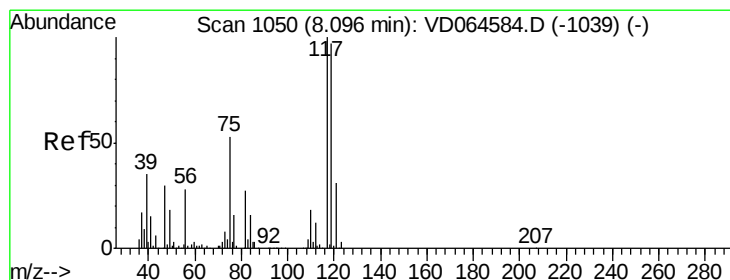
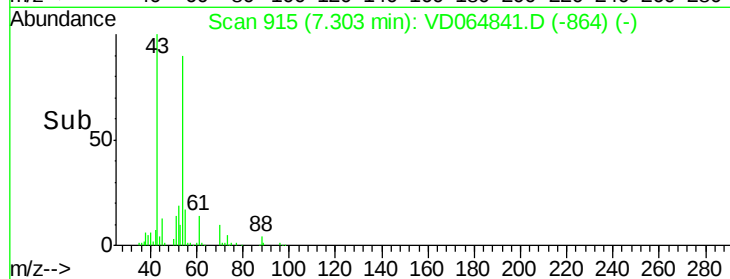
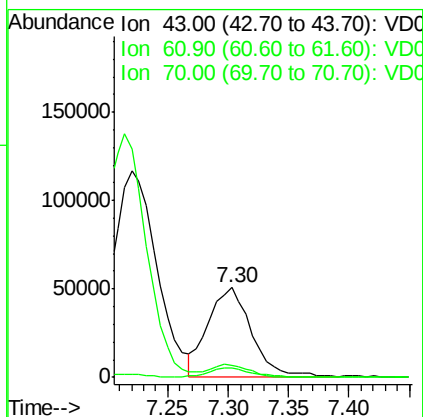
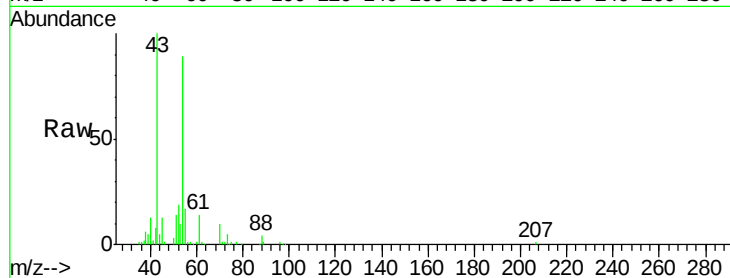




#37
Ethyl Acetate
Concen: 53.390 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

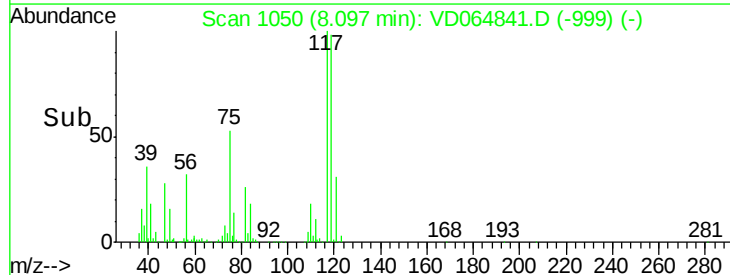
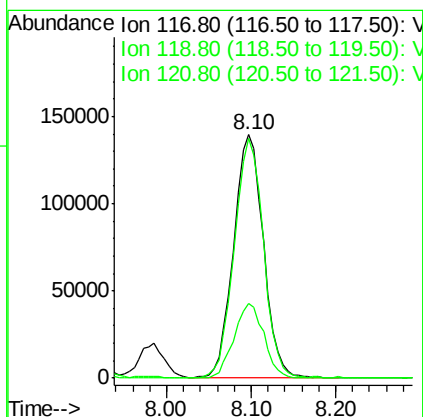
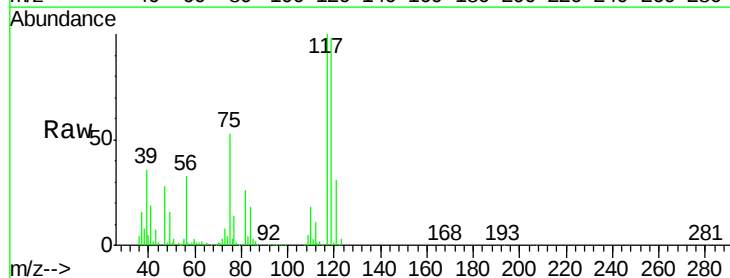
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

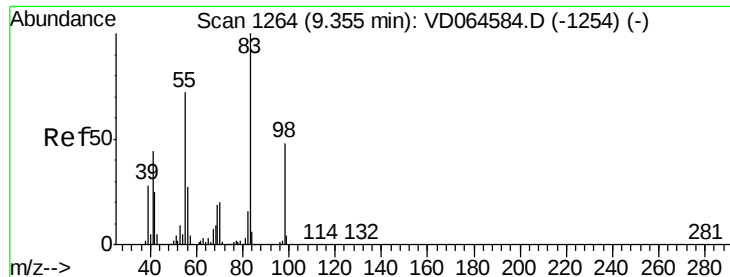
Tgt Ion: 43 Resp: 125039
Ion Ratio Lower Upper
43 100
61 11.3 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.250 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 117 Resp: 338493
Ion Ratio Lower Upper
117 100
119 98.4 77.3 115.9
121 30.6 25.0 37.6

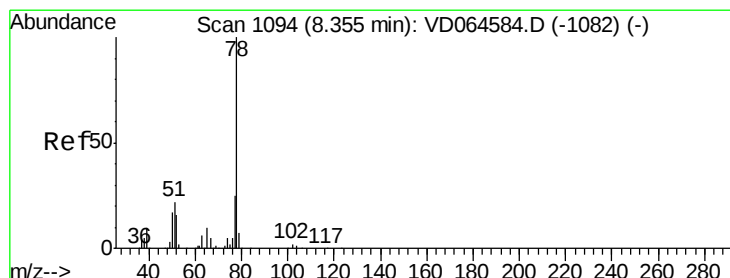
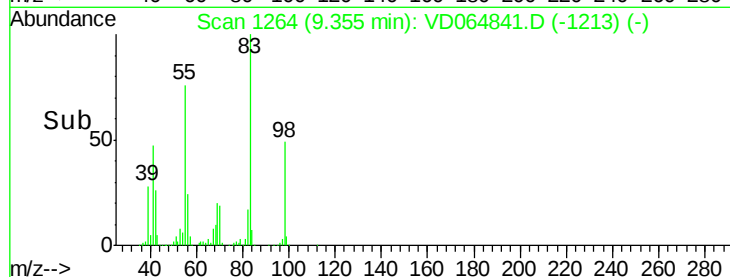
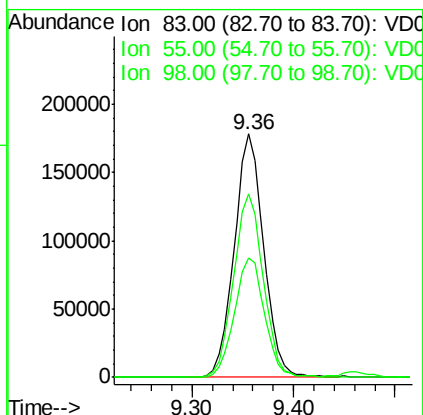
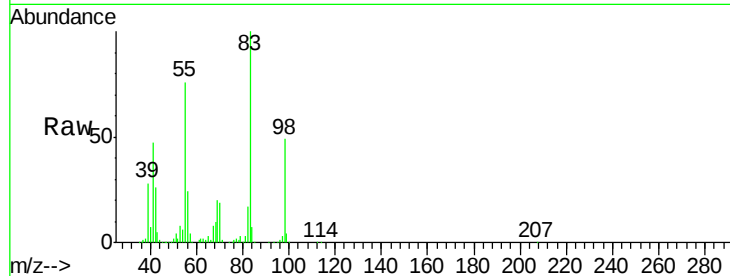




#39
Methylcyclohexane
Concen: 49.755 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

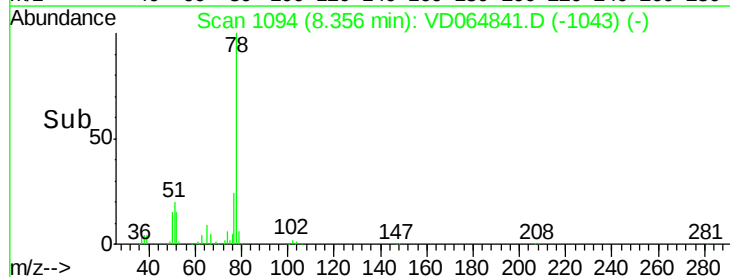
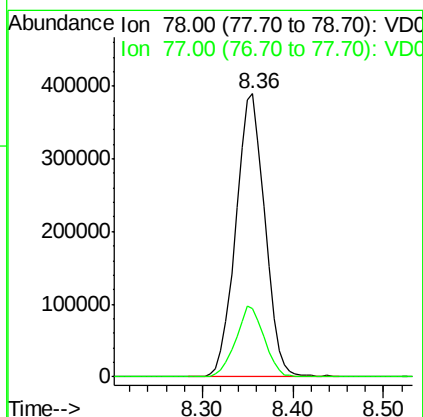
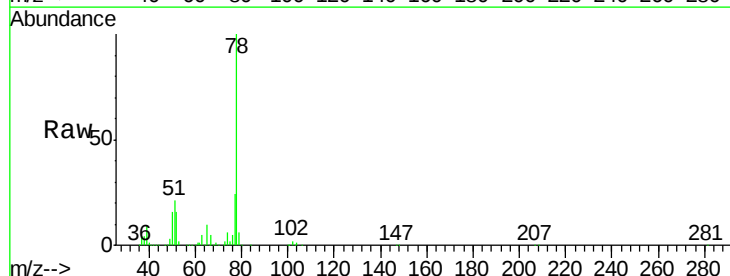
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

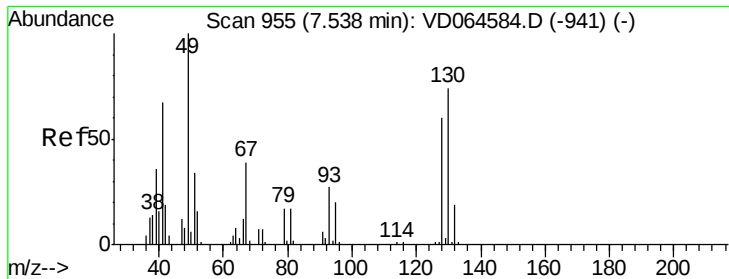
Tgt Ion: 83 Resp: 359255
Ion Ratio Lower Upper
83 100
55 75.5 57.8 86.6
98 49.3 38.7 58.1



#40
Benzene
Concen: 53.274 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 78 Resp: 866993
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9





#41

Methacrylonitrile

Concen: 52.386 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 71183

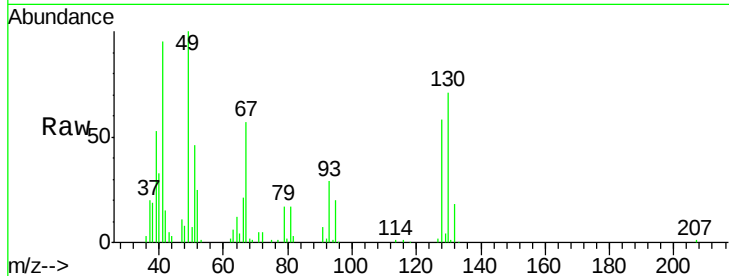
Ion Ratio Lower Upper

41 100

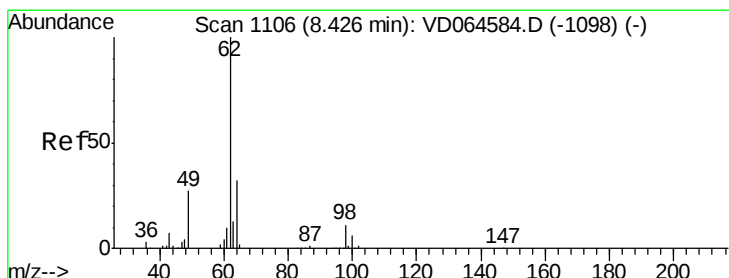
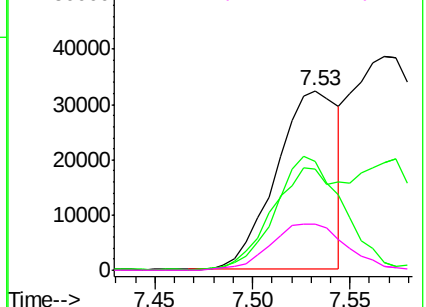
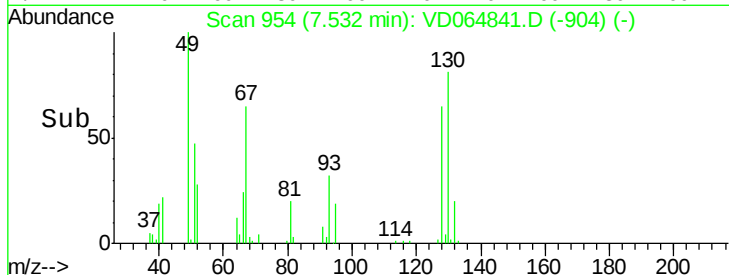
39 64.9 46.7 70.1

67 72.7 52.5 78.7

52 32.7 24.1 36.1



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



#42

1,2-Dichloroethane

Concen: 55.134 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064841.D

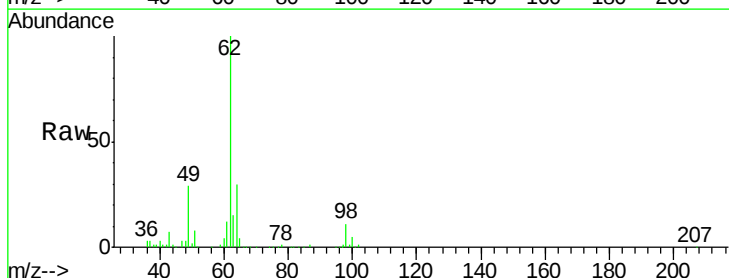
Acq: 13 Jan 2020 11:01

Tgt Ion: 62 Resp: 259285

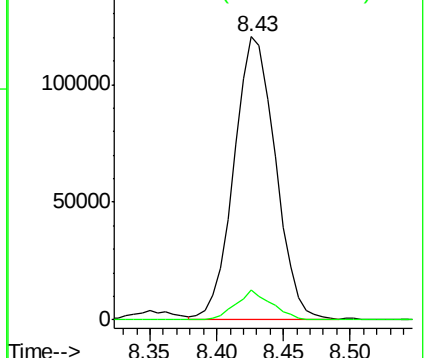
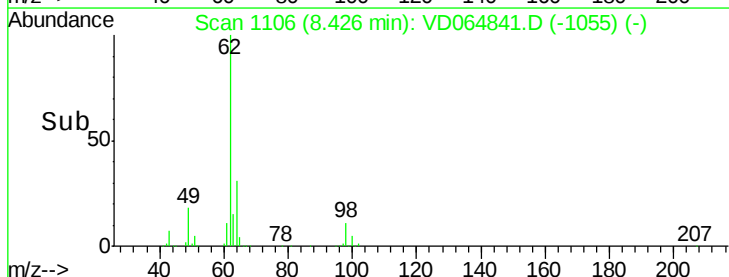
Ion Ratio Lower Upper

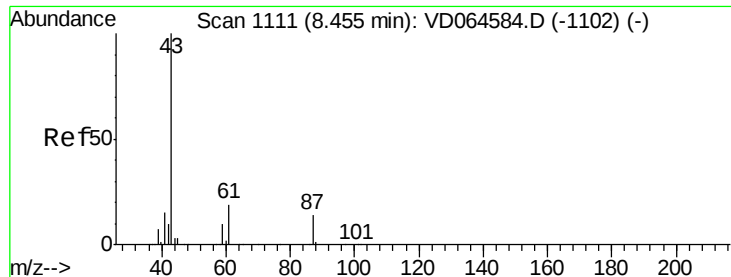
62 100

98 9.3 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 52.707 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

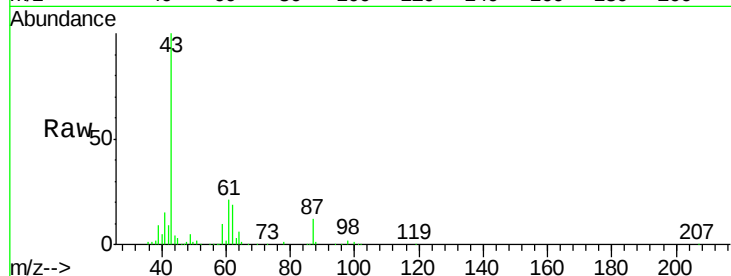
Tgt Ion: 43 Resp: 245694

Ion Ratio Lower Upper

43 100

61 30.4 23.7 35.5

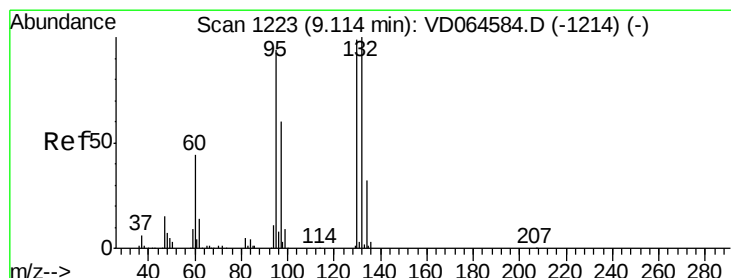
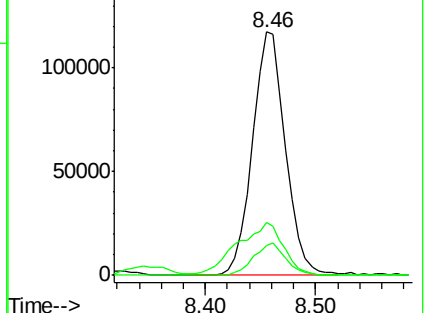
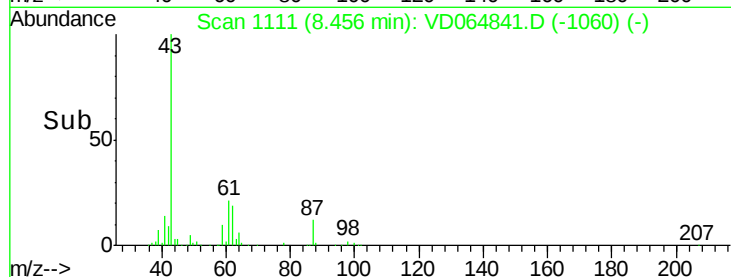
87 12.8 10.5 15.7



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: 51.096 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064841.D

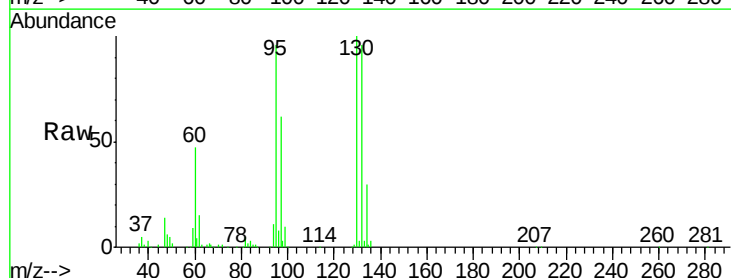
Acq: 13 Jan 2020 11:01

Tgt Ion: 130 Resp: 244284

Ion Ratio Lower Upper

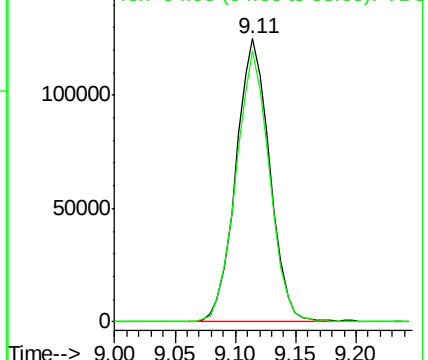
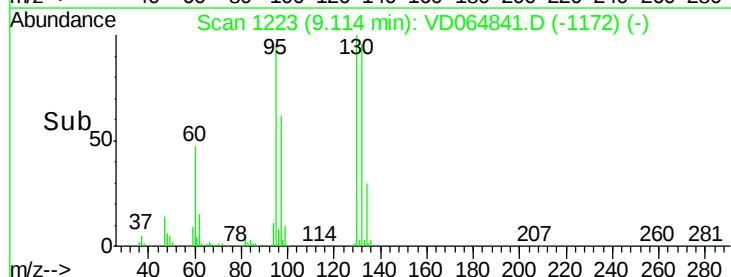
130 100

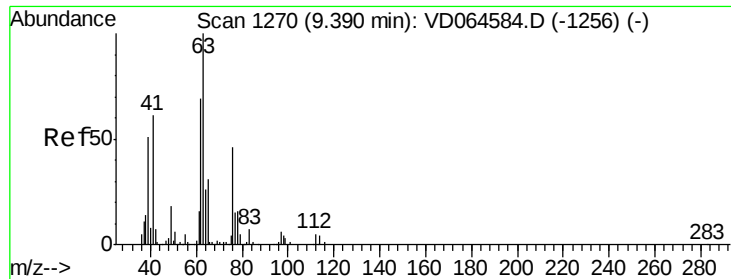
95 95.7 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.009 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

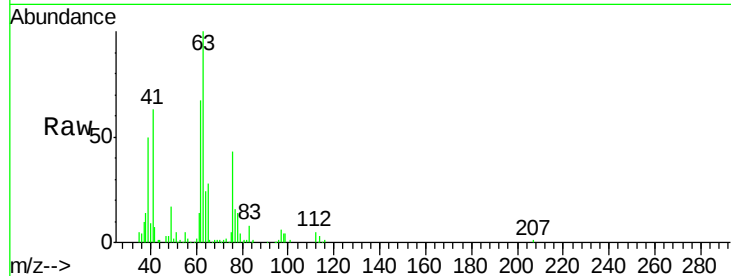
VSTDCCC050

Tgt Ion: 63 Resp: 217631

Ion Ratio Lower Upper

63 100

65 27.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

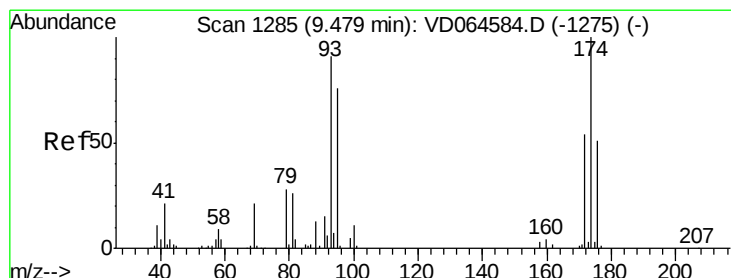
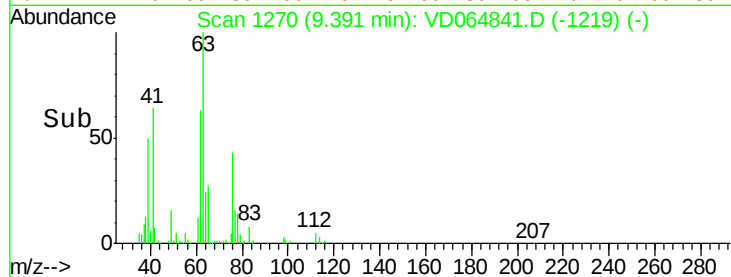
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.370 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

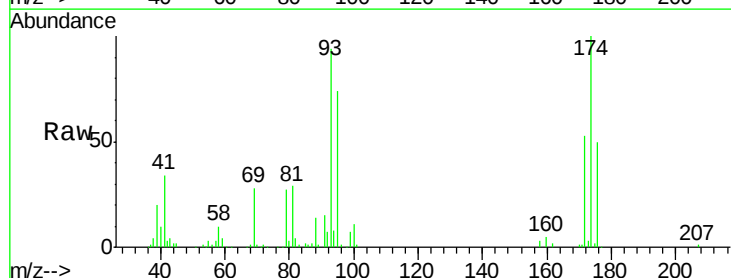
Tgt Ion: 93 Resp: 115621

Ion Ratio Lower Upper

93 100

95 81.4 64.6 97.0

174 108.5 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

80000

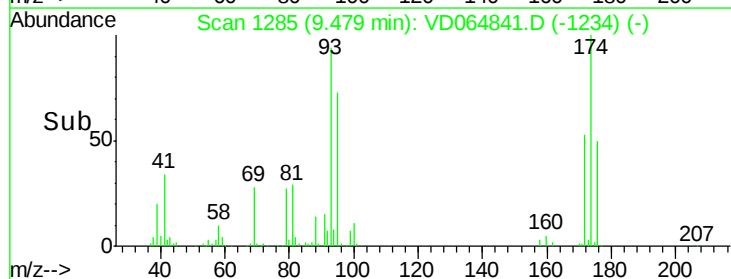
60000

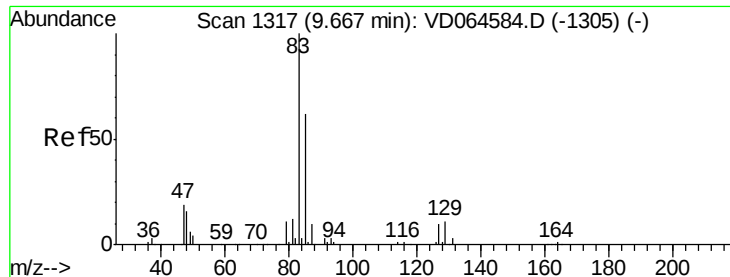
40000

20000

0

Time-->

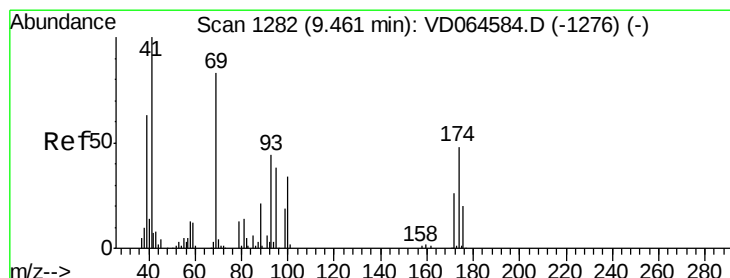
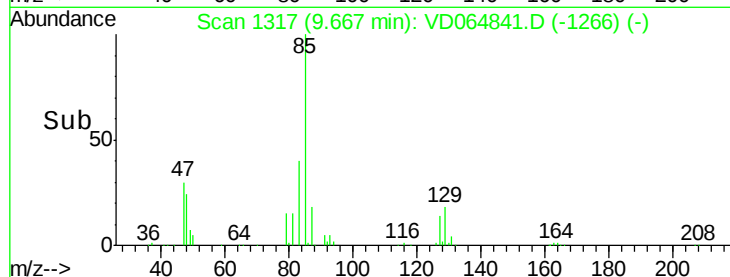
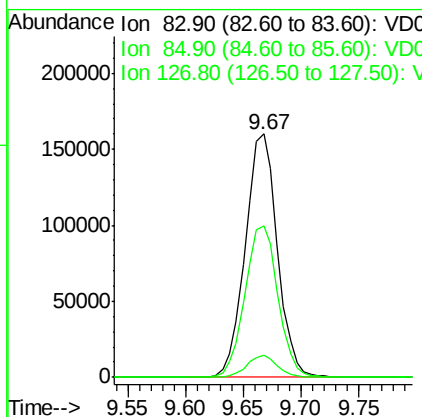
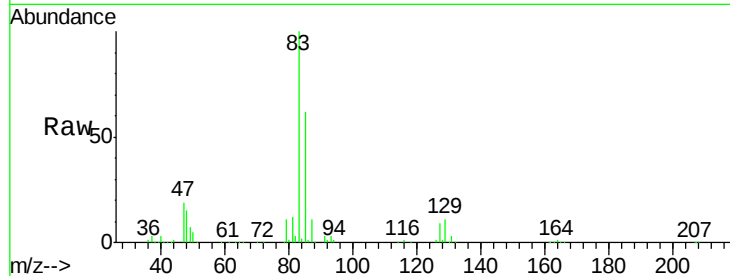




#47
Bromodichloromethane
Concen: 53.836 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

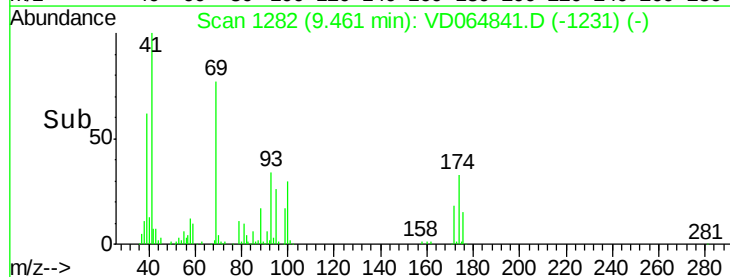
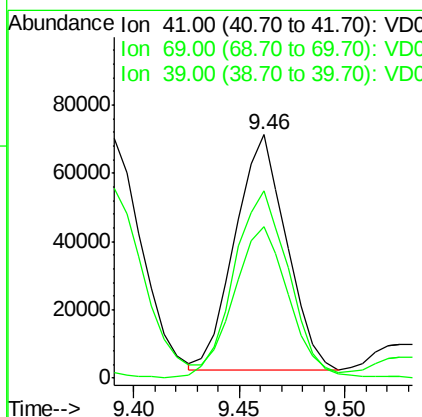
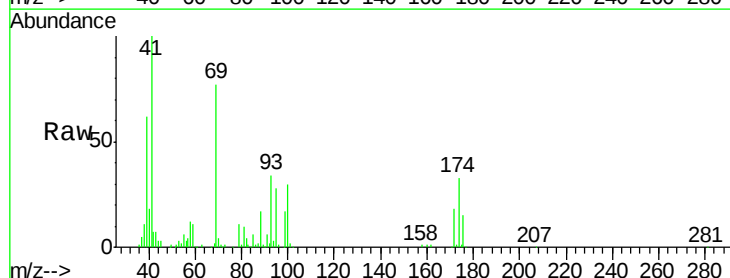
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

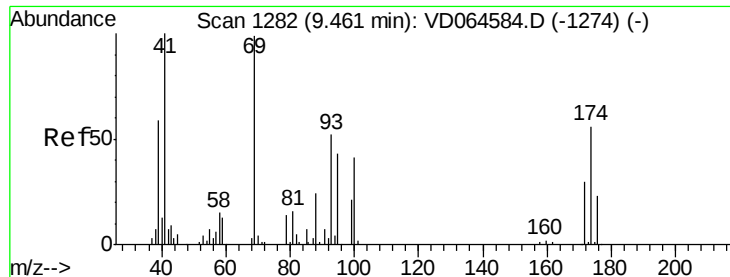
Tgt Ion: 83 Resp: 310349
Ion Ratio Lower Upper
83 100
85 62.4 49.5 74.3
127 8.9 7.8 11.6



#48
Methyl methacrylate
Concen: 52.987 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 41 Resp: 116301
Ion Ratio Lower Upper
41 100
69 84.6 63.0 94.6
39 67.1 47.4 71.2

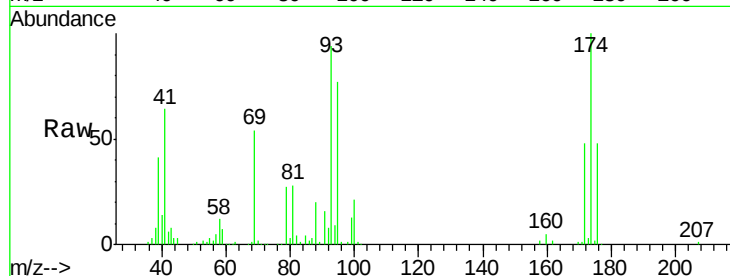




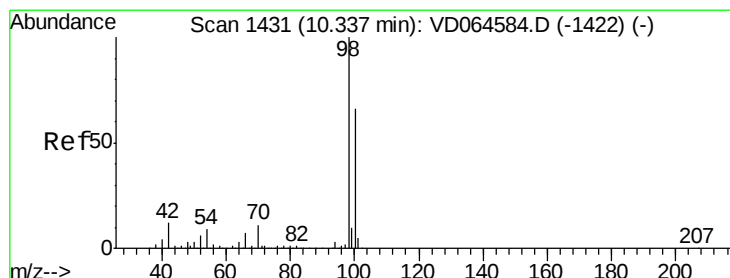
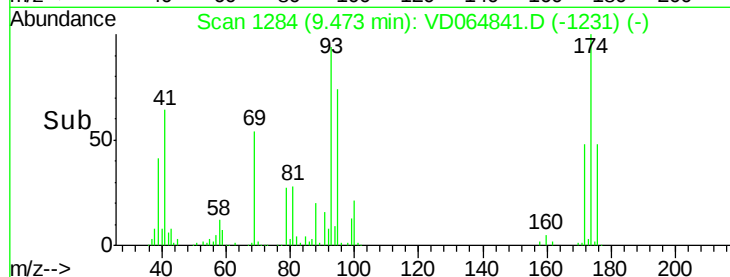
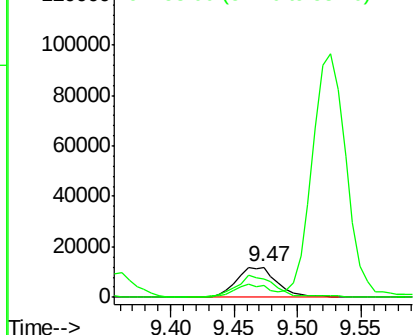
#49
1,4-Dioxane
Concen: 1068.092 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 26681
Ion Ratio Lower Upper
88 100
43 34.4 27.7 41.5
58 68.6 53.8 80.6

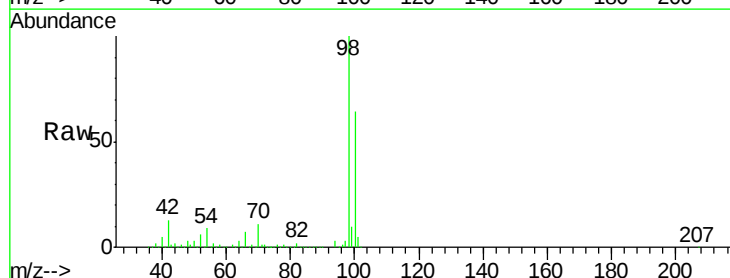


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

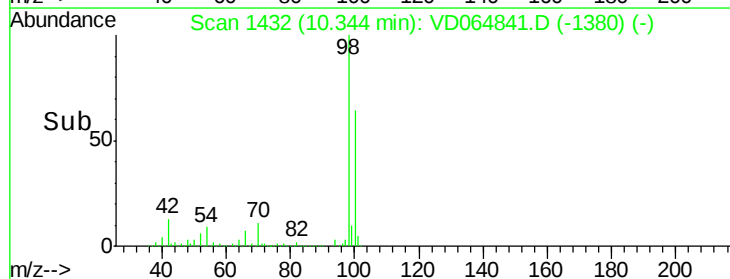
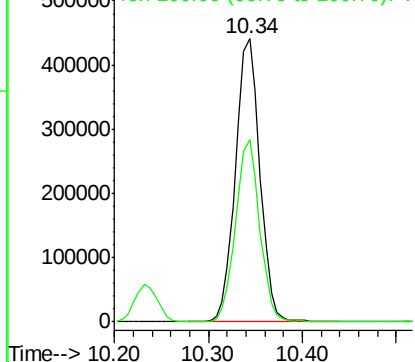


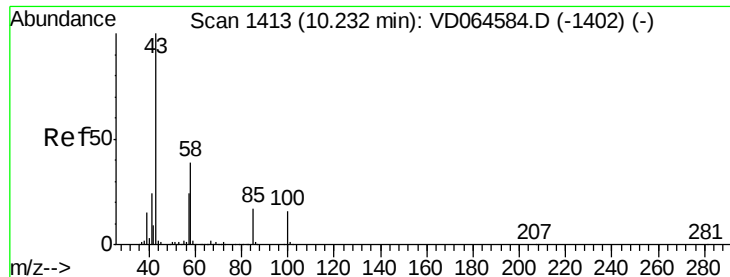
#50
Toluene-d8
Concen: 54.649 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 98 Resp: 795338
Ion Ratio Lower Upper
98 100
100 63.3 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: 274.554 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

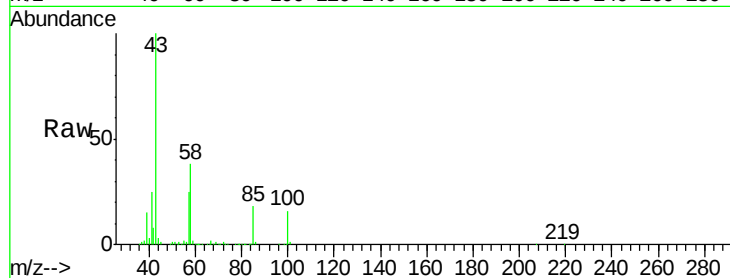
VSTDCCC050

Tgt Ion: 43 Resp: 632596

Ion Ratio Lower Upper

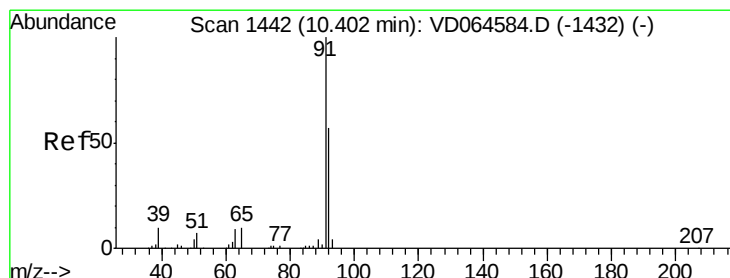
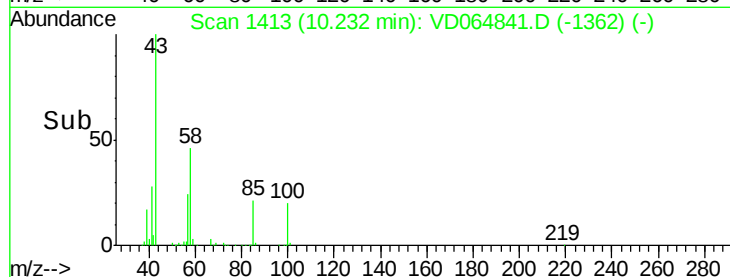
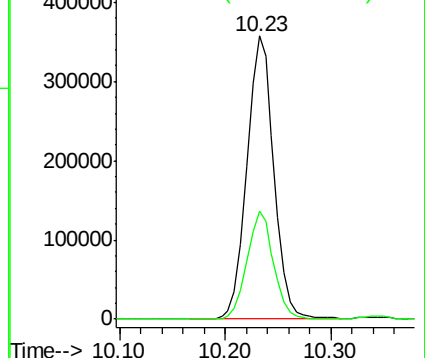
43 100

58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.350 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064841.D

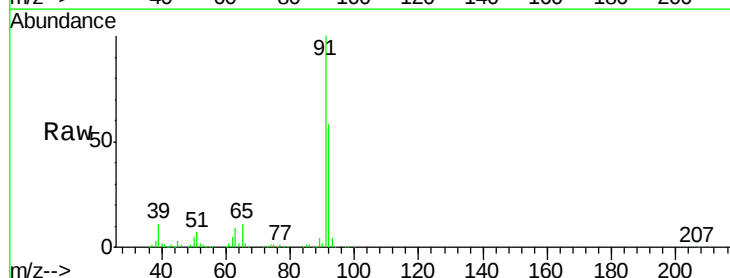
Acq: 13 Jan 2020 11:01

Tgt Ion: 92 Resp: 569620

Ion Ratio Lower Upper

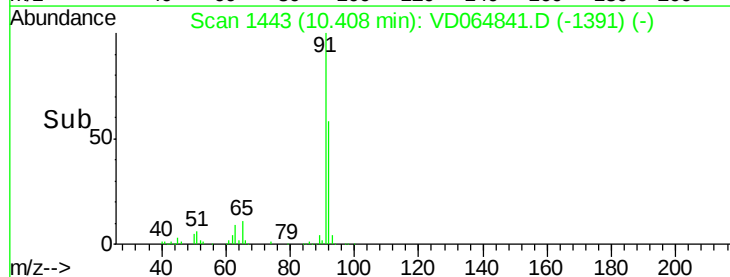
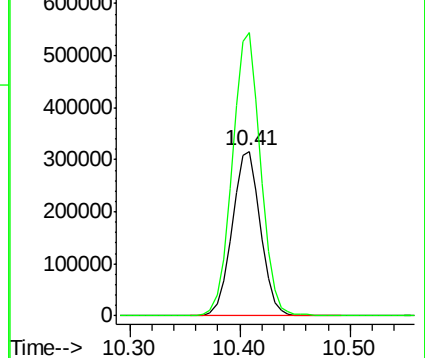
92 100

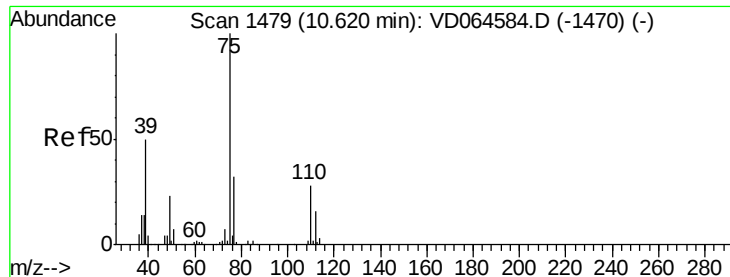
91 171.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.205 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

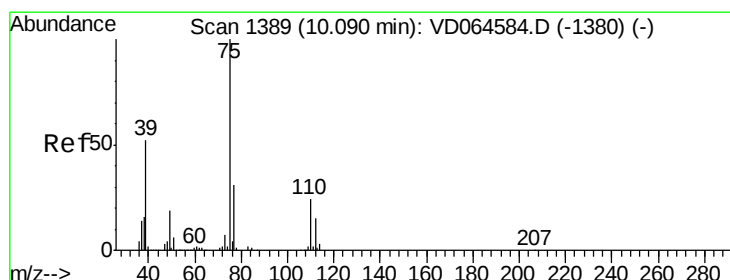
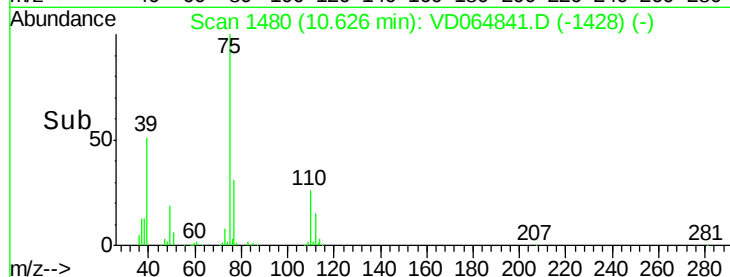
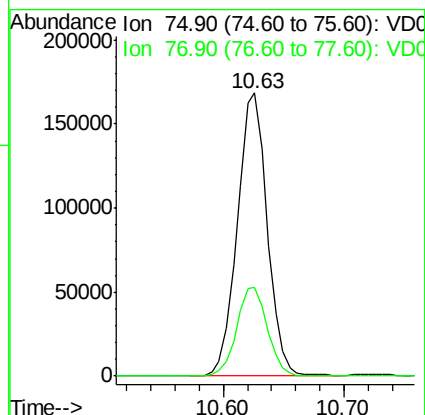
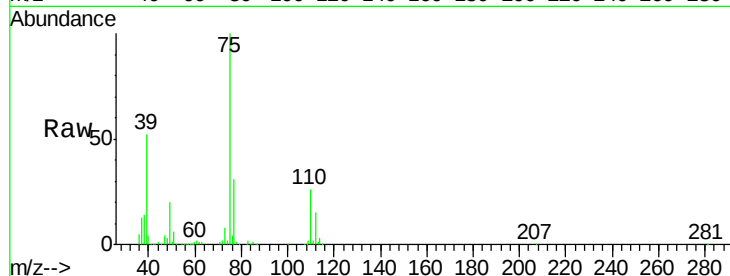
VSTDCCC050

Tgt Ion: 75 Resp: 291326

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.551 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

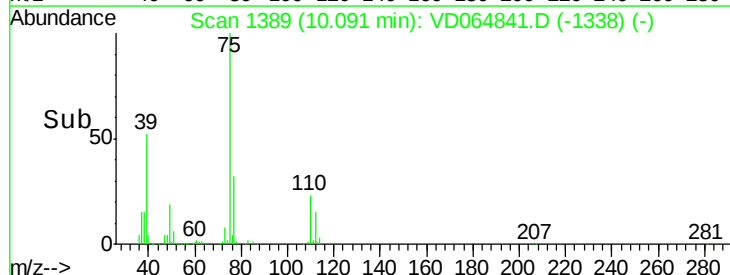
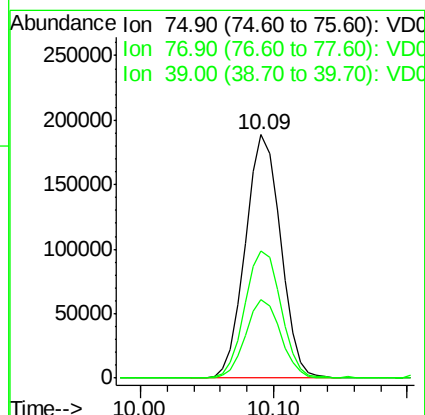
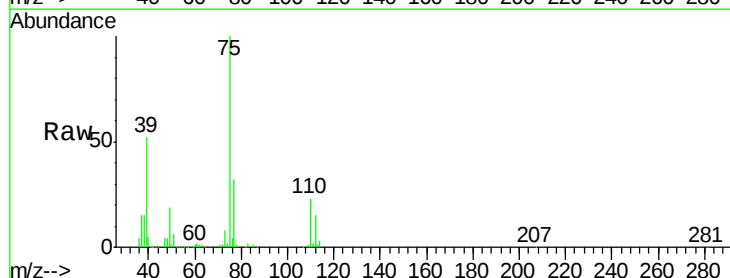
Tgt Ion: 75 Resp: 345711

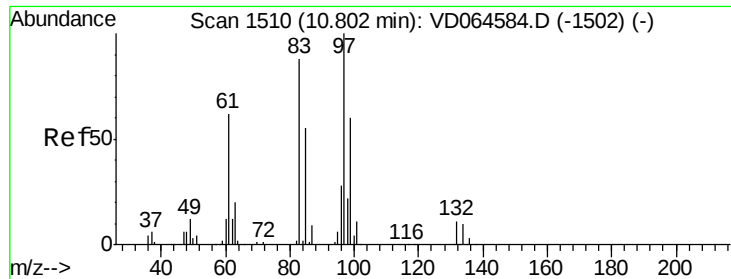
Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

39 52.1 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 54.074 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 157875

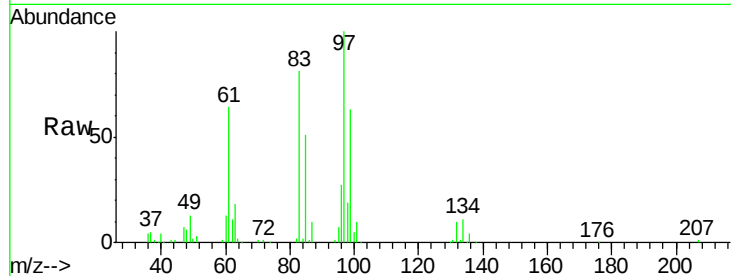
Ion Ratio Lower Upper

97 100

83 81.4 70.2 105.4

85 51.4 44.0 66.0

99 63.2 47.8 71.6

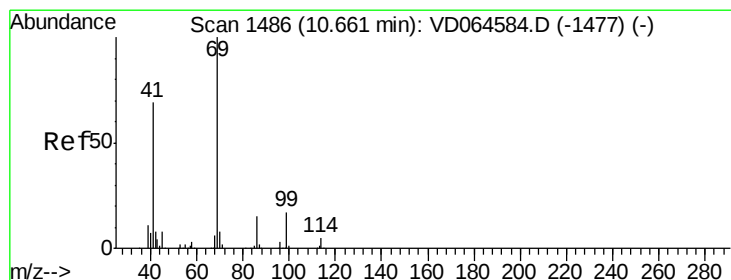
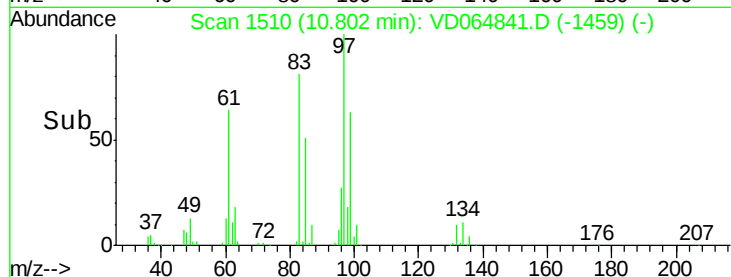
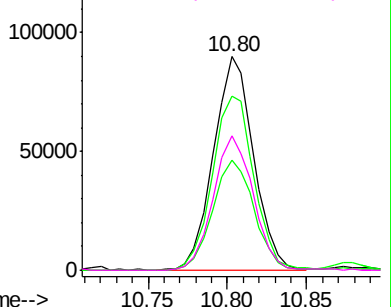


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 53.539 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

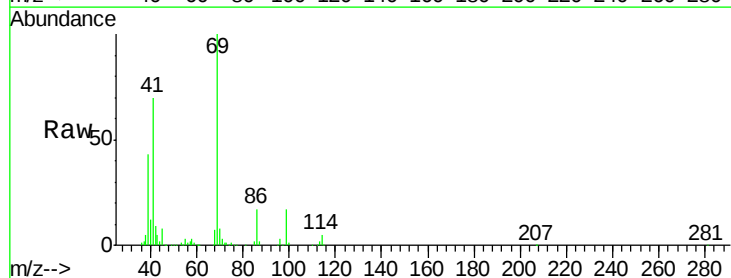
Tgt Ion: 69 Resp: 195214

Ion Ratio Lower Upper

69 100

41 72.1 55.3 82.9

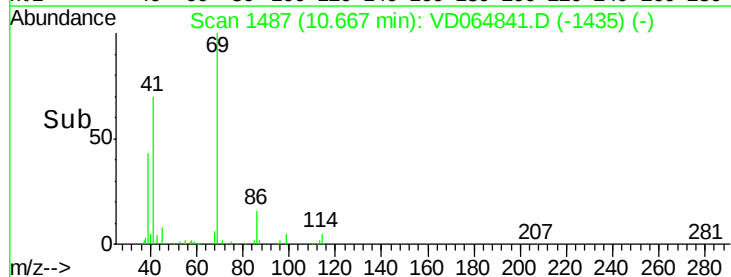
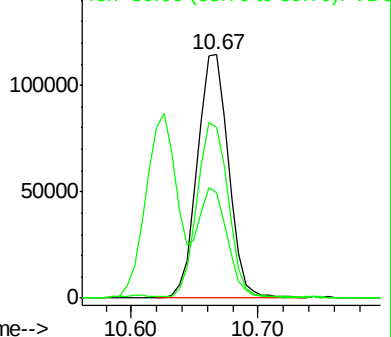
39 43.0 33.8 50.8

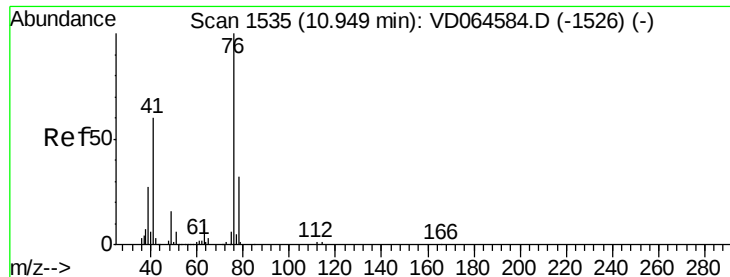


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

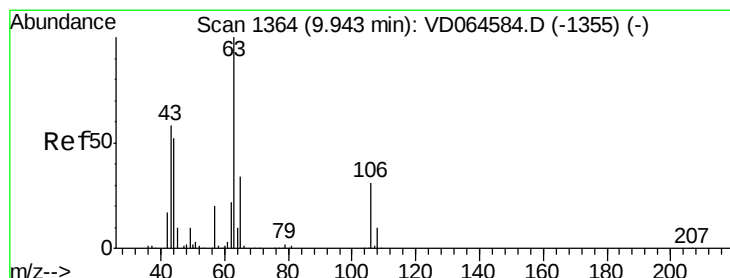
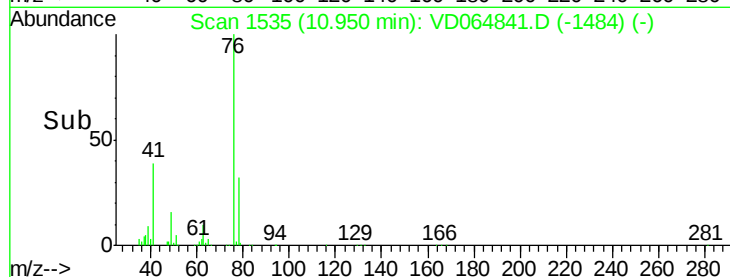
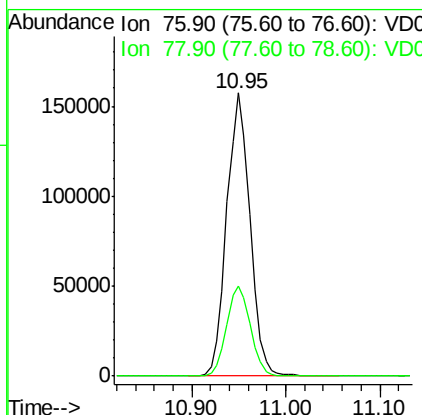
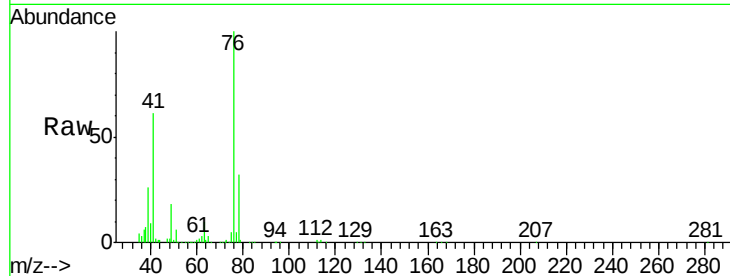




#57
 1,3-Dichloropropane
 Concen: 53.856 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

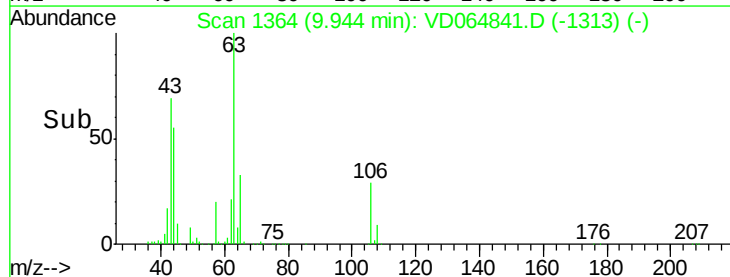
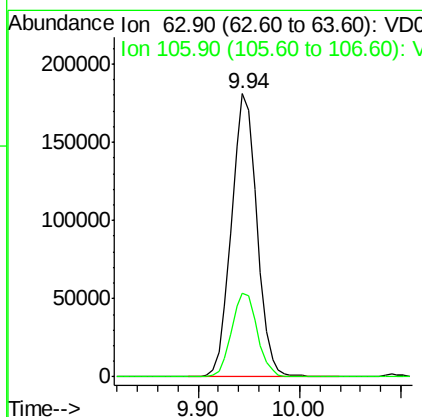
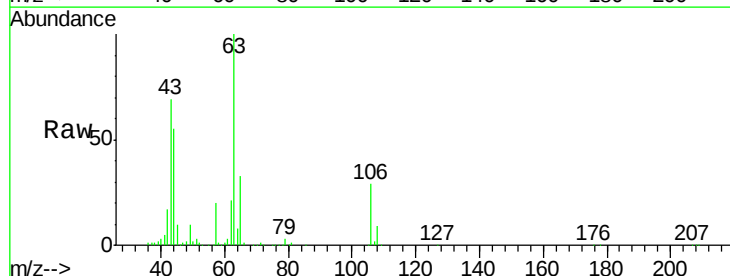
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

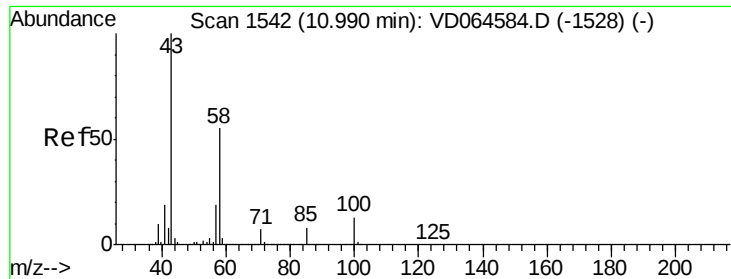
Tgt Ion: 76 Resp: 270731
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.177 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion: 63 Resp: 316977
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.8

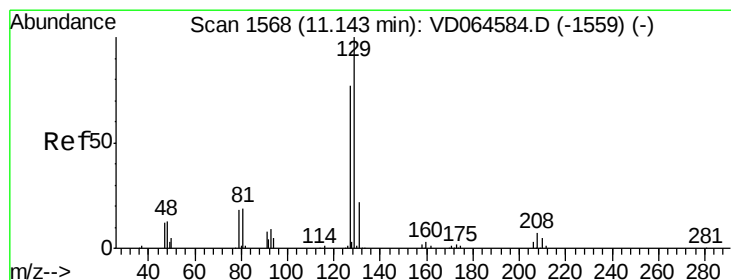
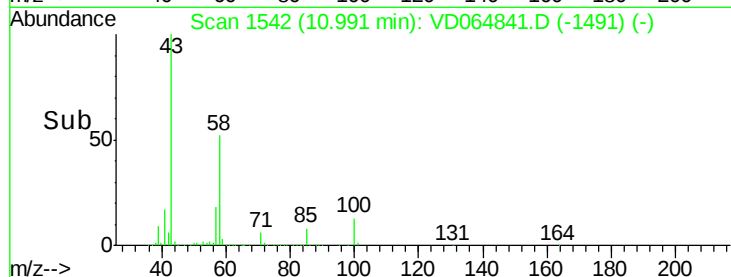
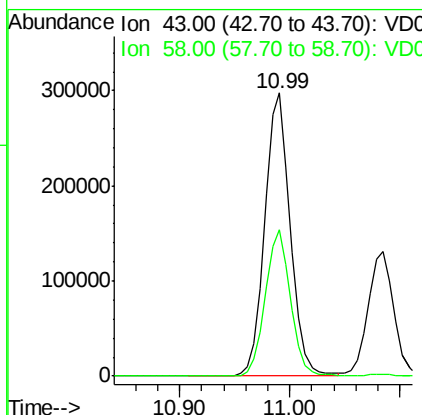
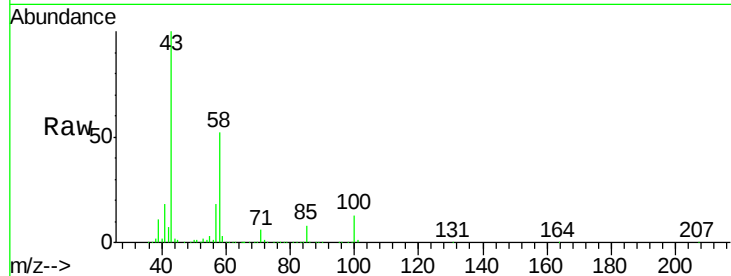




#59
2-Hexanone
Concen: 307.630 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

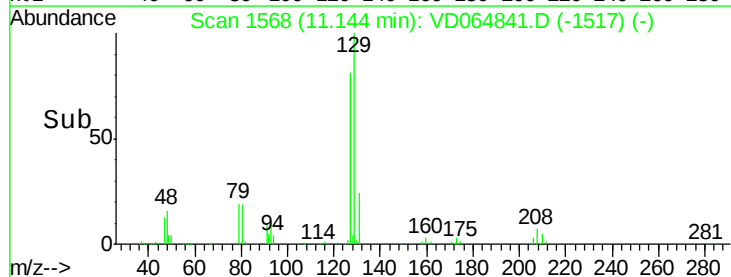
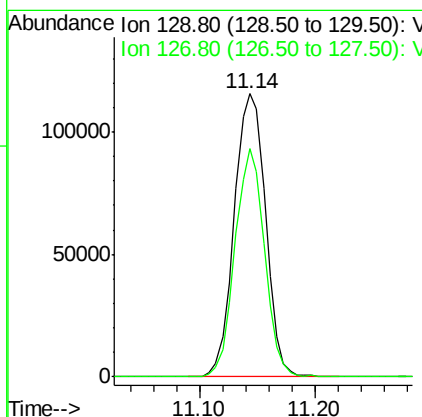
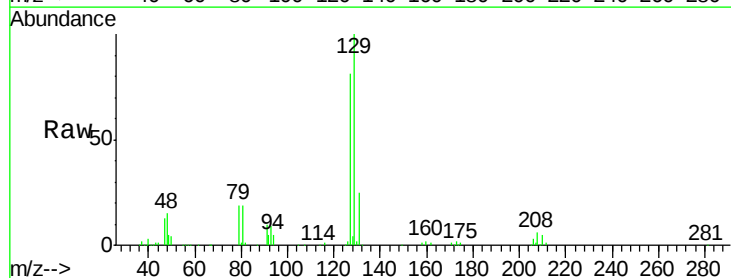
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

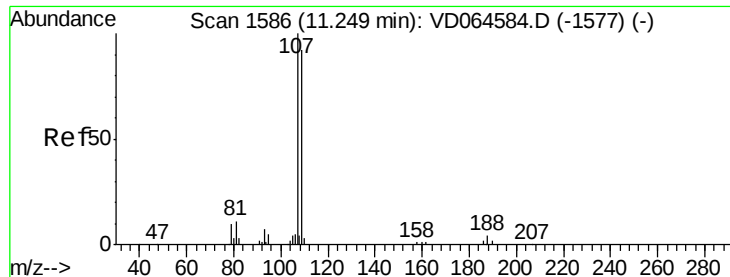
Tgt Ion: 43 Resp: 481080
Ion Ratio Lower Upper
43 100
58 51.1 26.4 79.0



#60
Dibromochloromethane
Concen: 53.931 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 129 Resp: 217743
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2

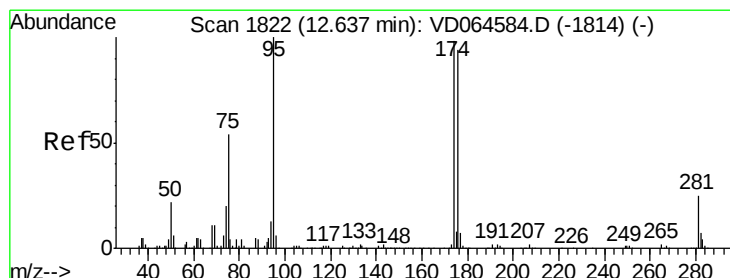
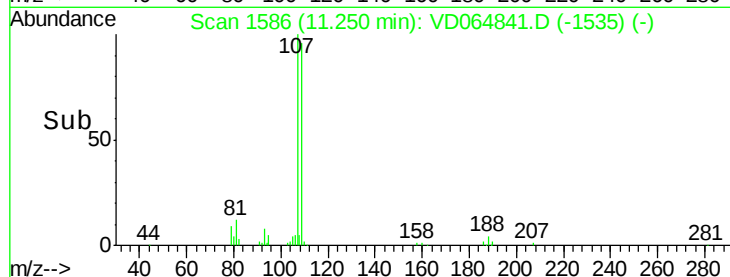
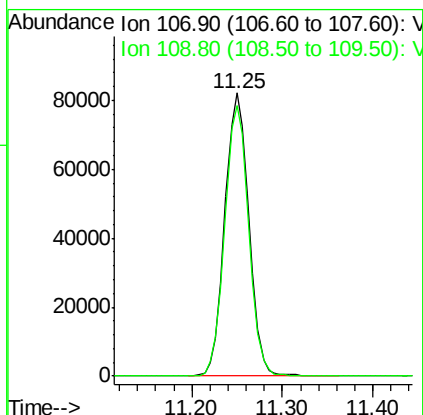
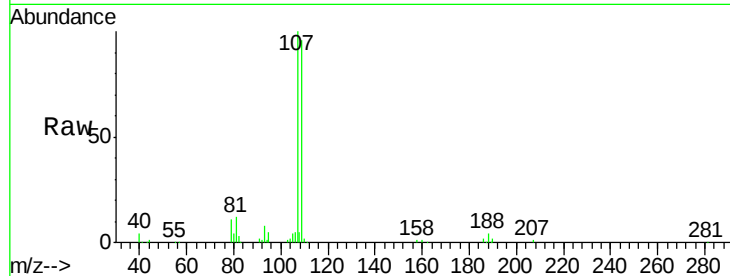




#61
 1,2-Dibromoethane
 Concen: 52.534 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

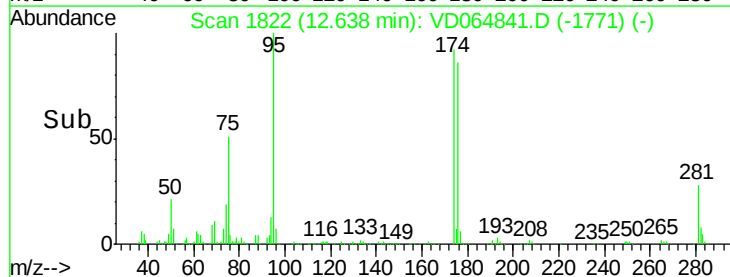
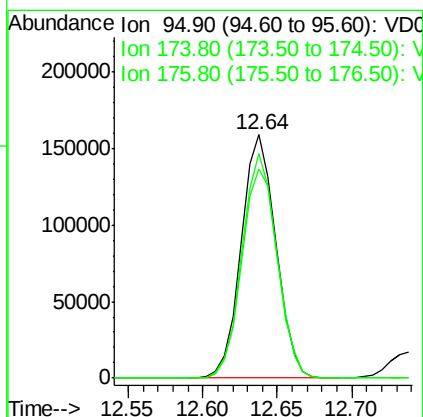
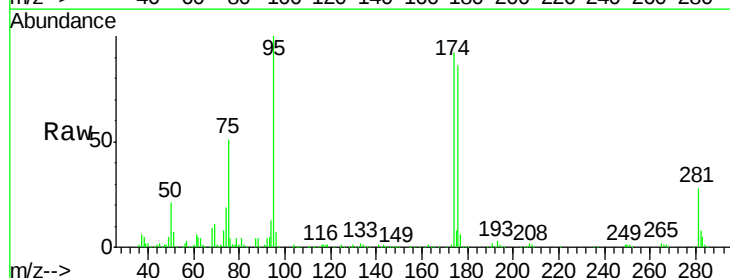
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

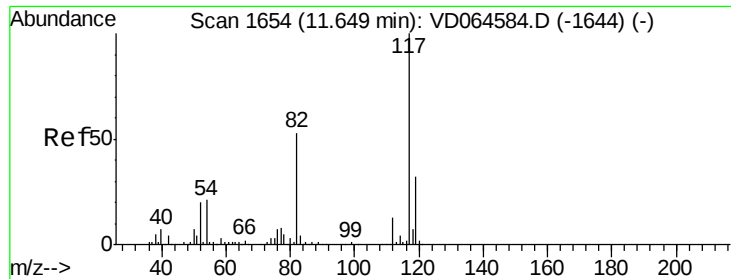
Tgt Ion: 107 Resp: 151279
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.596 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion: 95 Resp: 255850
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 193.2
 176 89.0 0.0 184.2

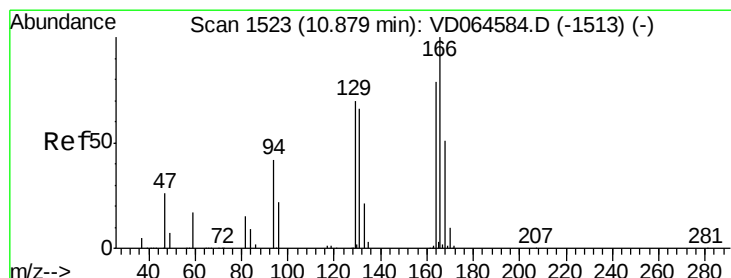
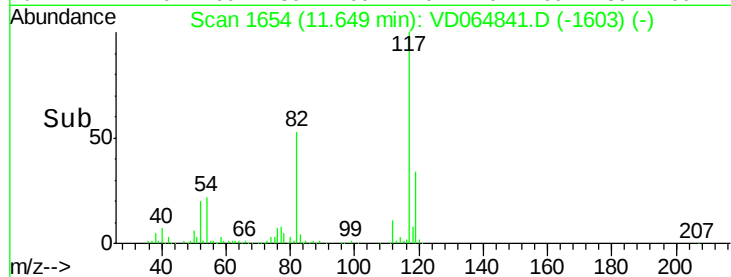
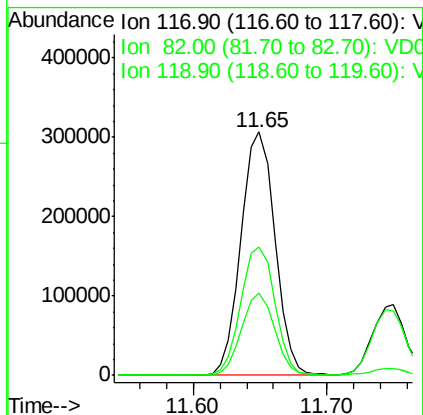
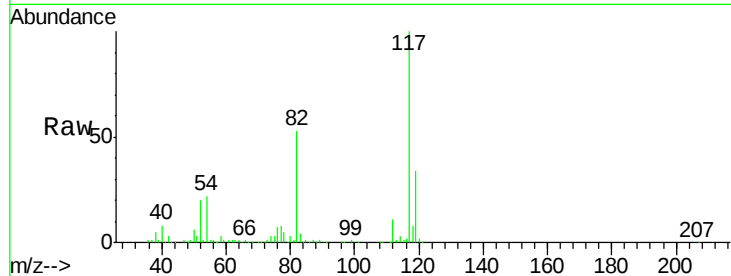




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

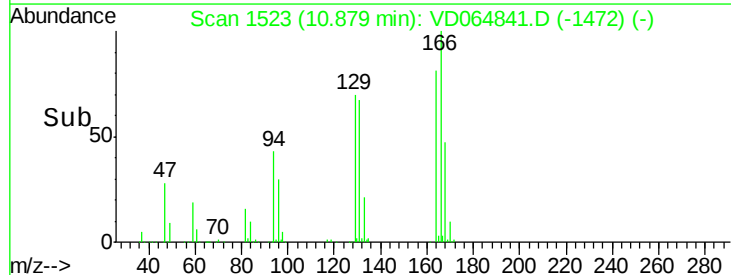
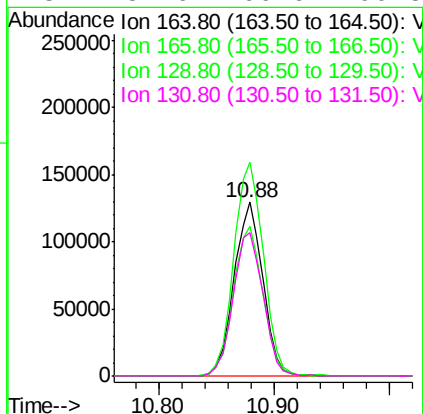
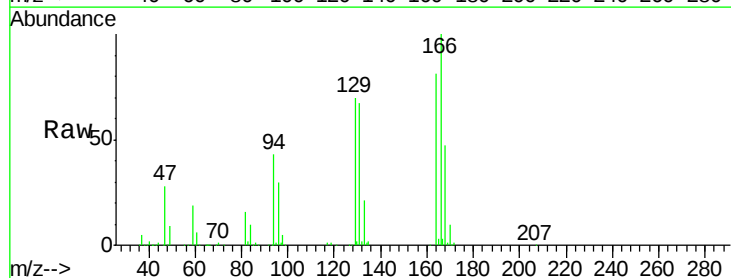
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

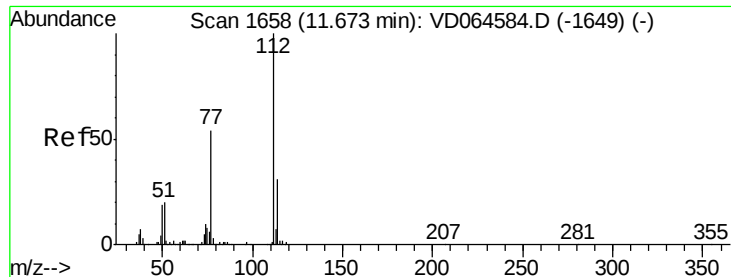
Tgt Ion:117 Resp: 542127
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 33.9 26.0 39.0



#64
Tetrachloroethene
Concen: 53.562 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion:164 Resp: 222771
Ion Ratio Lower Upper
164 100
166 123.1 101.3 151.9
129 86.2 70.5 105.7
131 82.6 66.6 99.8

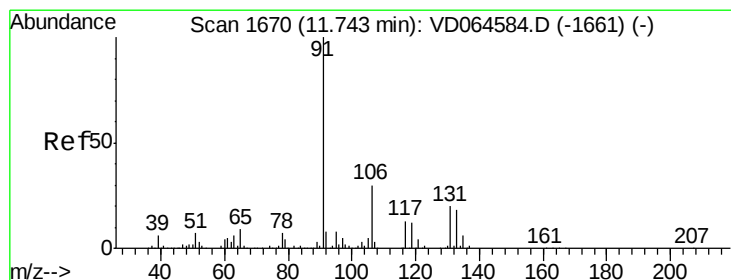
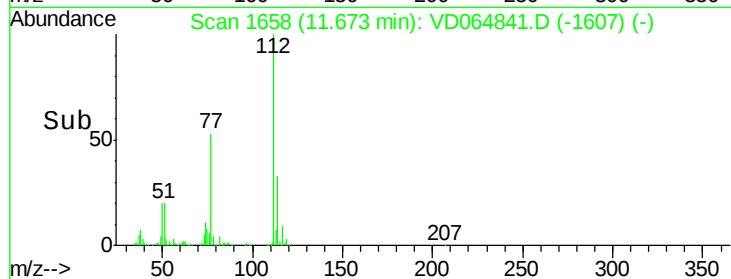
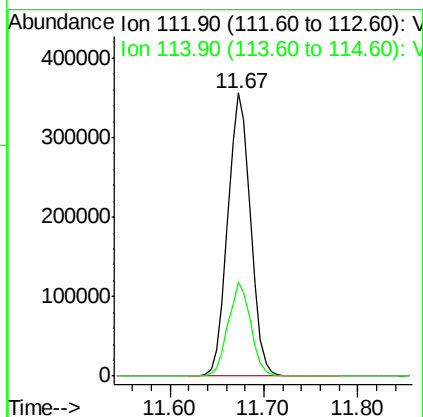
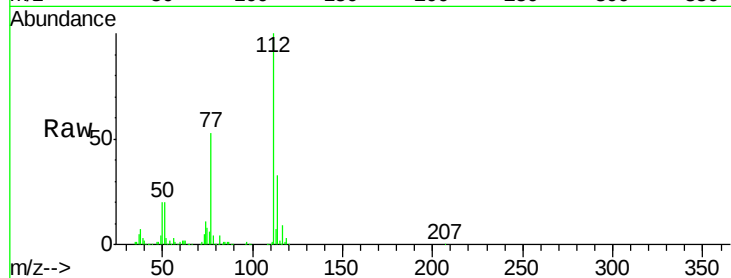




#65
Chlorobenzene
Concen: 53.258 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

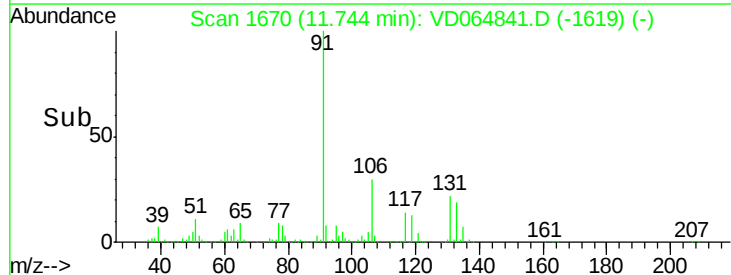
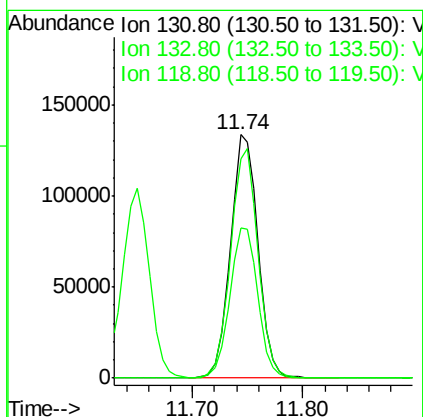
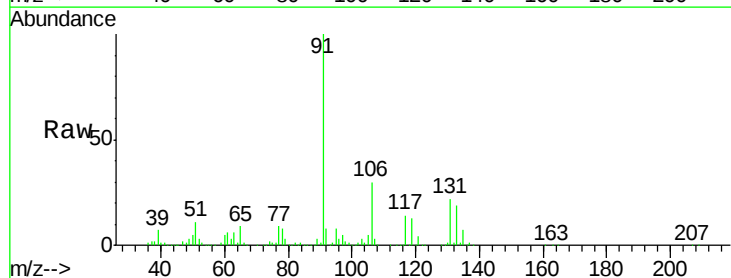
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 599250
Ion Ratio Lower Upper
112 100
114 33.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.103 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion:131 Resp: 233731
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 63.0 32.1 96.3





#67

Ethyl Benzene

Concen: 53.869 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

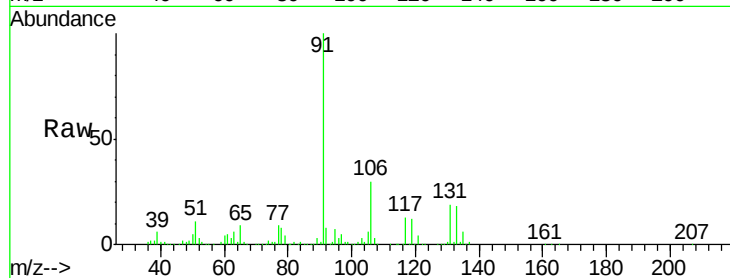
VSTDCCC050

Tgt Ion: 91 Resp: 1100139

Ion Ratio Lower Upper

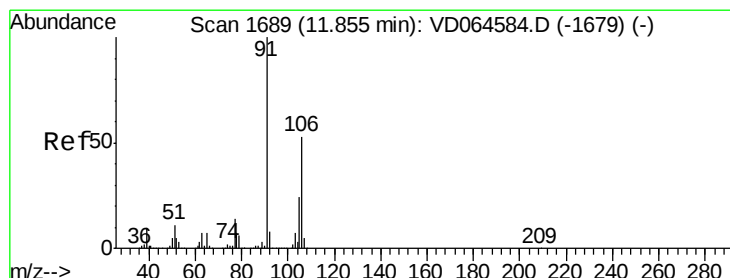
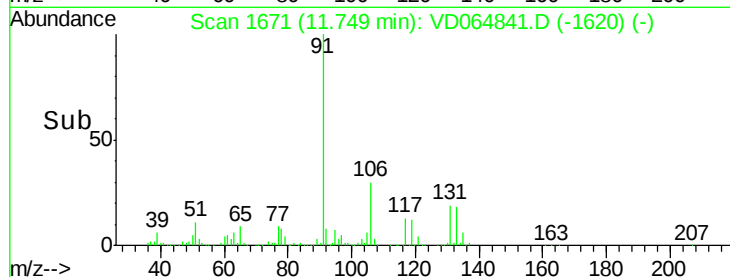
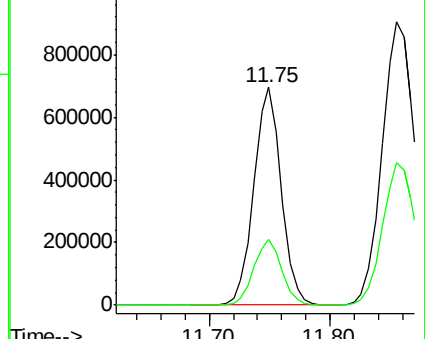
91 100

106 30.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.406 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064841.D

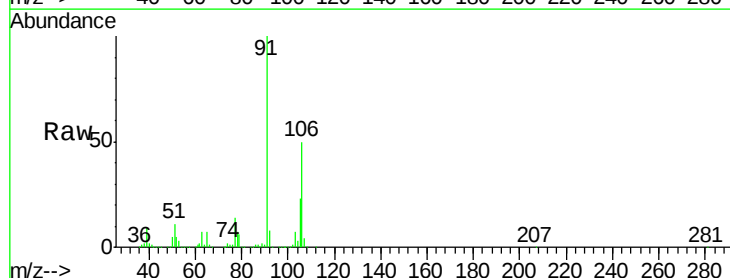
Acq: 13 Jan 2020 11:01

Tgt Ion: 106 Resp: 854533

Ion Ratio Lower Upper

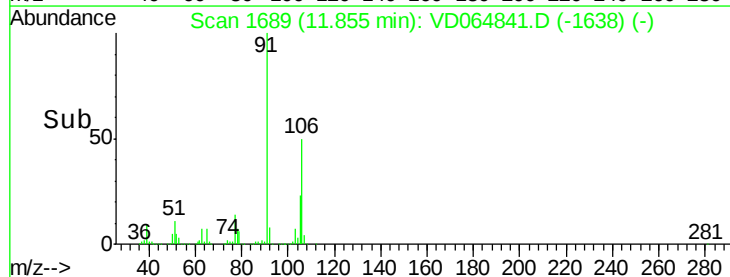
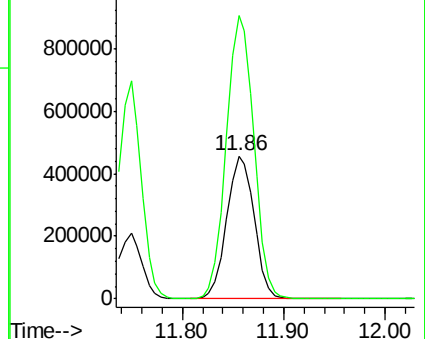
106 100

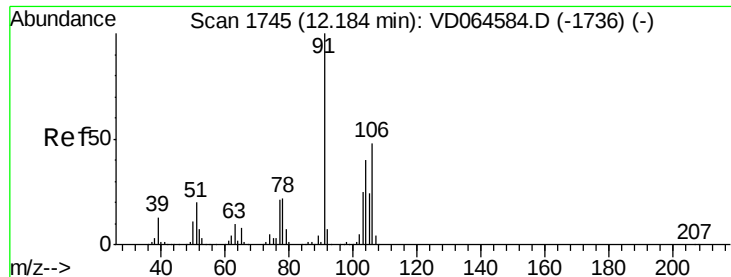
91 199.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

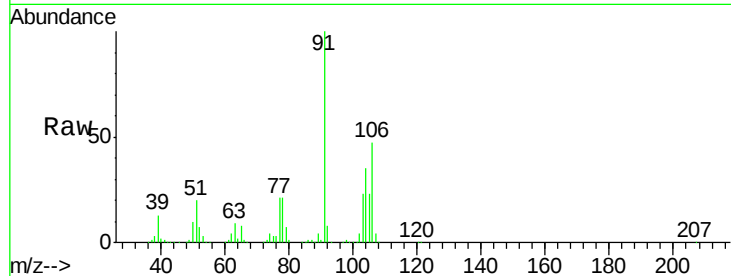




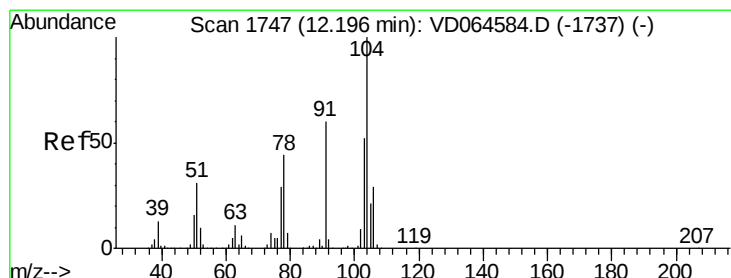
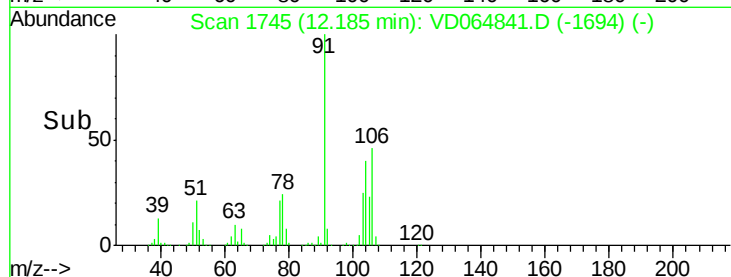
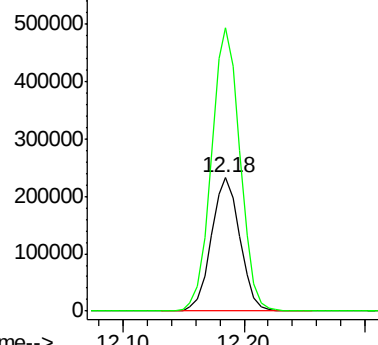
#69
o-Xylene
Concen: 53.729 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 382551
Ion Ratio Lower Upper
106 100
91 212.4 104.8 314.4

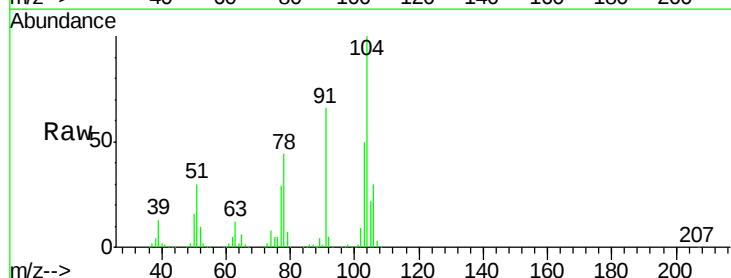


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

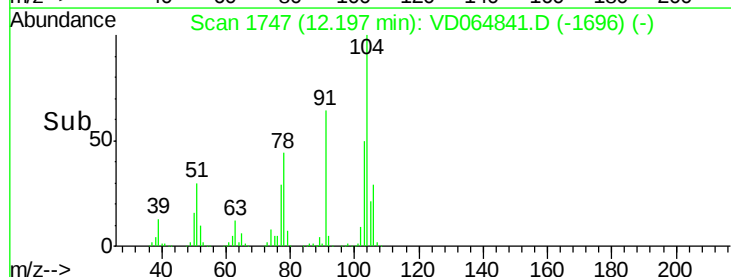
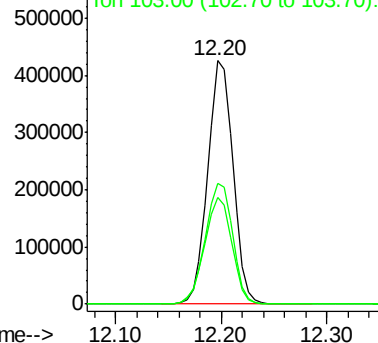


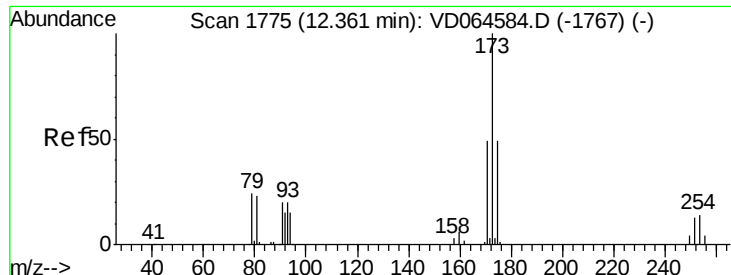
#70
Styrene
Concen: 56.131 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion:104 Resp: 701506
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 54.1 44.6 67.0



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





#71

Bromoform

Concen: 51.764 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

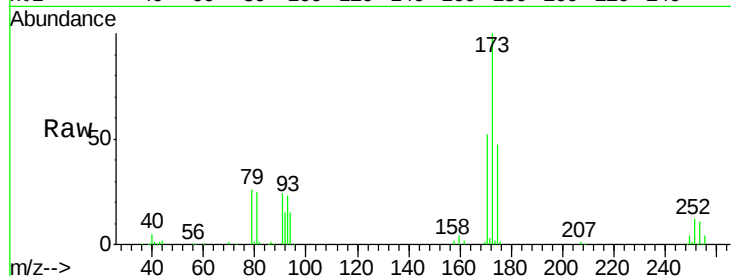
Tgt Ion:173 Resp: 125216

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.8

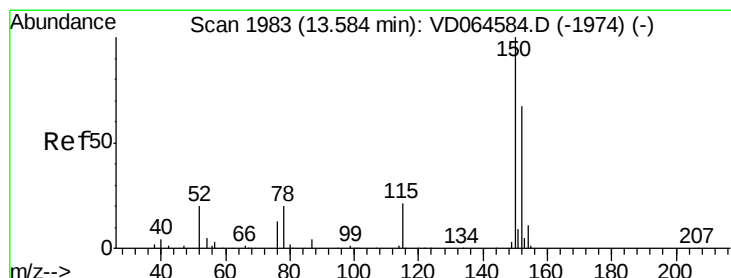
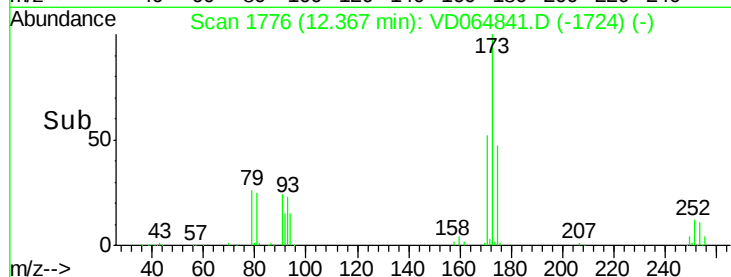
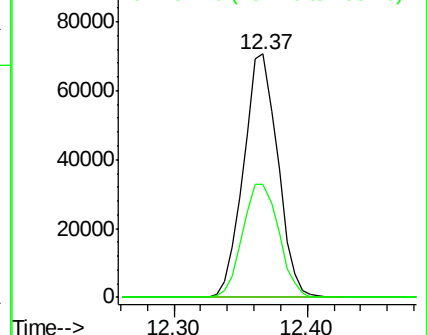
254 0.1 0.1 0.1#



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: VD064841.D

Acq: 13 Jan 2020 11:01

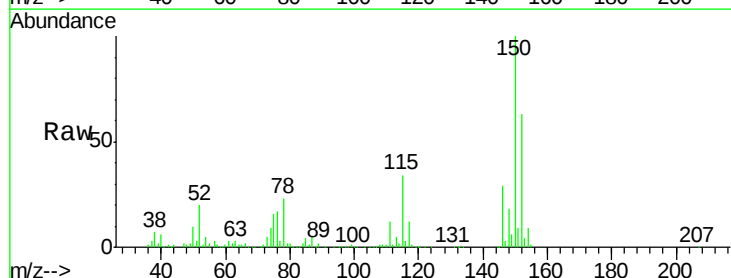
Tgt Ion:152 Resp: 271769

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

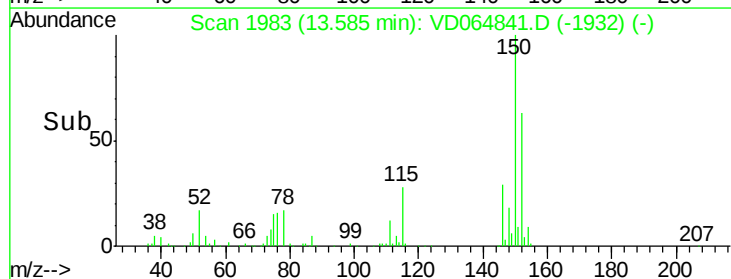
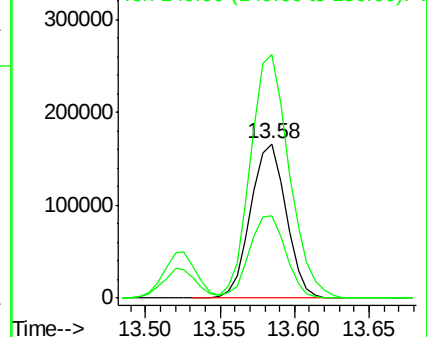
150 173.5 0.0 351.4

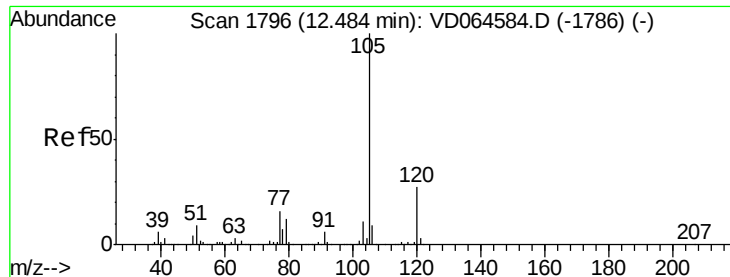


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.385 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

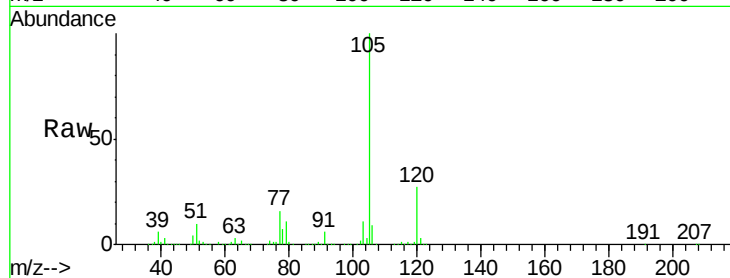
VSTDCCC050

Tgt Ion:105 Resp: 1056226

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

12.48

600000

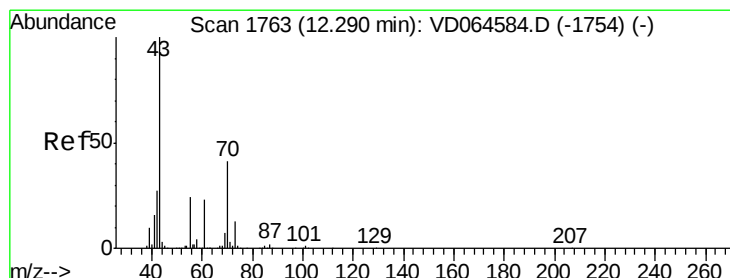
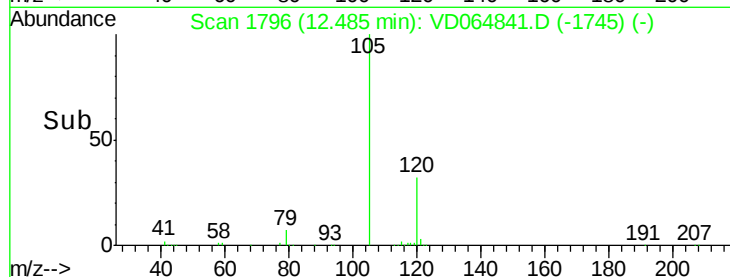
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 54.207 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion: 43 Resp: 225044

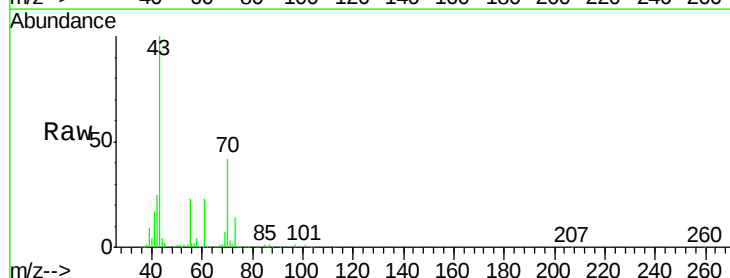
Ion Ratio Lower Upper

43 100

70 42.5 33.4 50.0

55 24.5 19.4 29.0

61 23.0 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

200000

150000

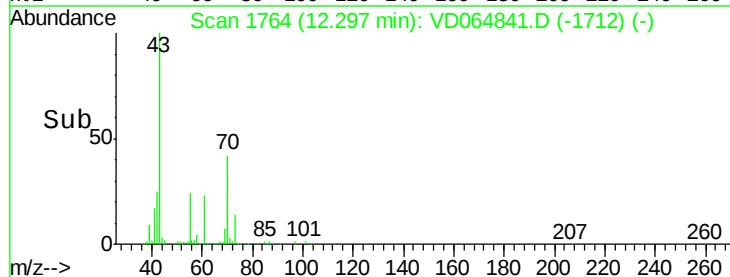
100000

50000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 53.424 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

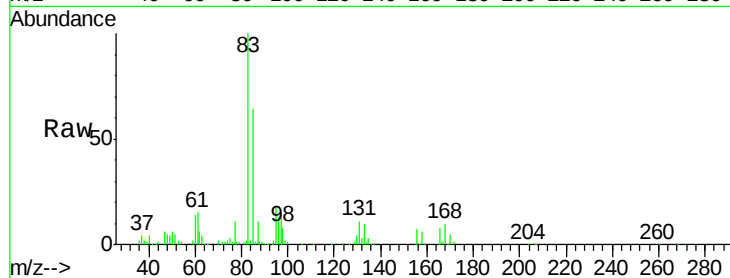
Tgt Ion: 83 Resp: 162990

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

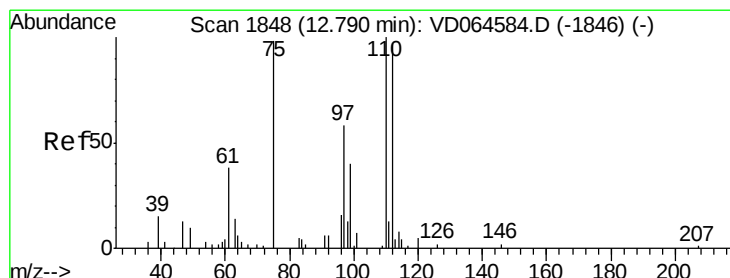
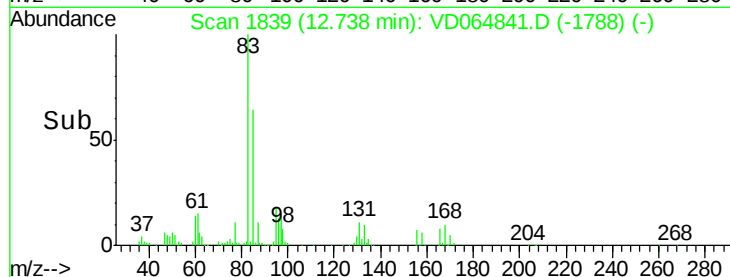
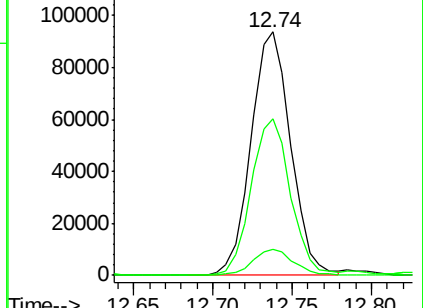
85 63.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 103.152 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064841.D

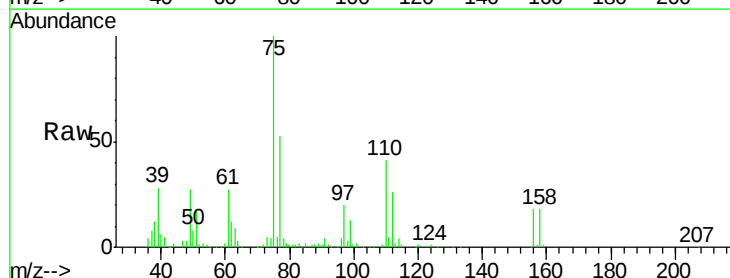
Acq: 13 Jan 2020 11:01

Tgt Ion: 75 Resp: 221369

Ion Ratio Lower Upper

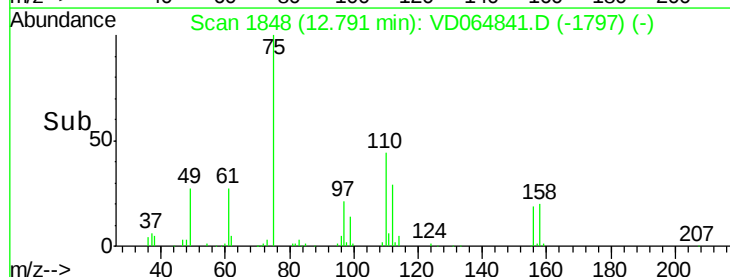
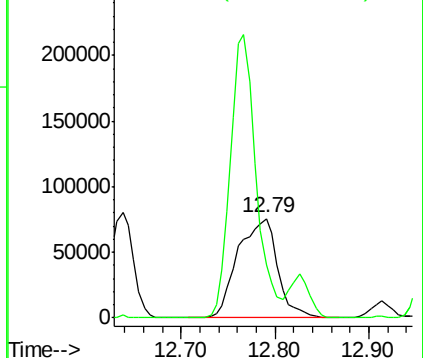
75 100

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: 52.686 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

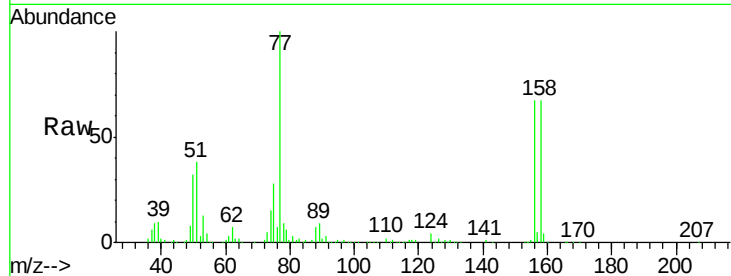
Tgt Ion:156 Resp: 251421

Ion Ratio Lower Upper

156 100

77 164.1 80.9 242.7

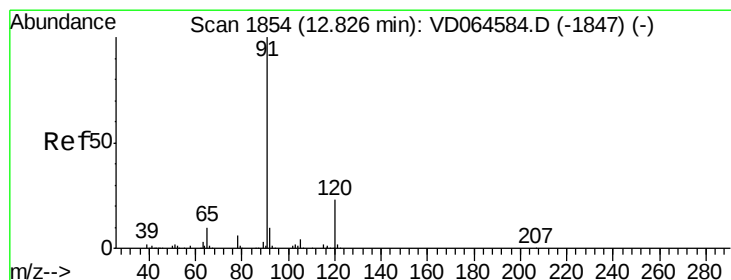
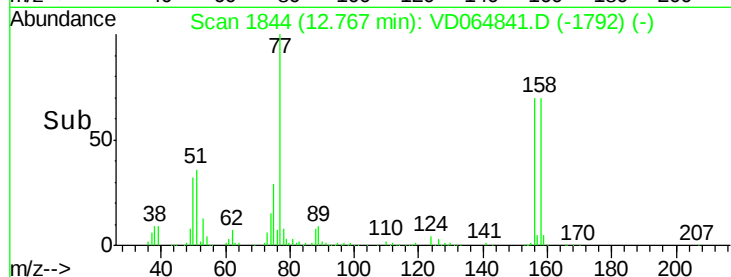
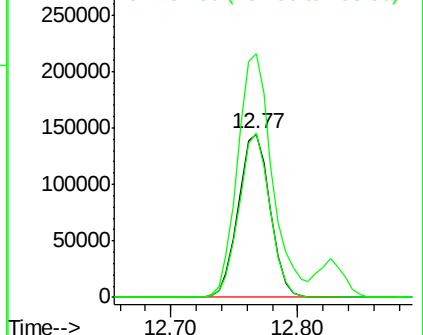
158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.887 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064841.D

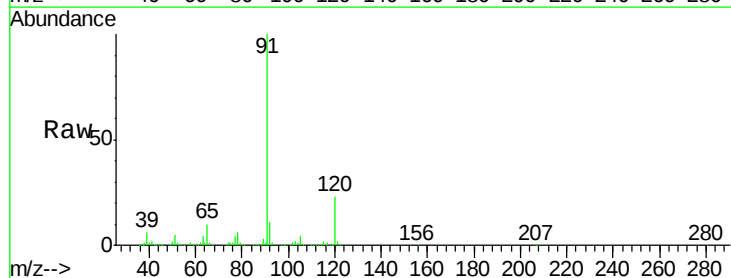
Acq: 13 Jan 2020 11:01

Tgt Ion: 91 Resp: 1243590

Ion Ratio Lower Upper

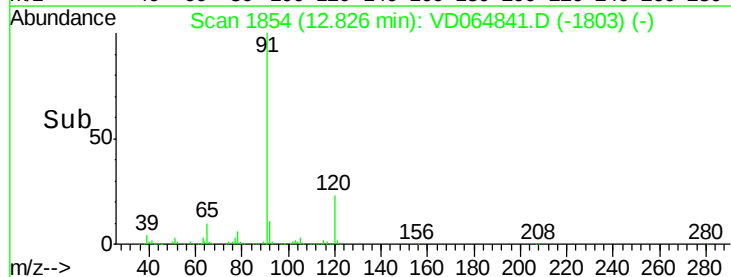
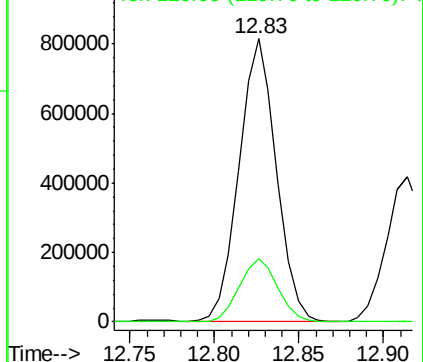
91 100

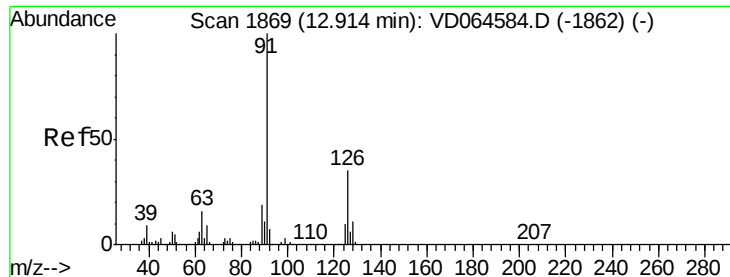
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.745 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

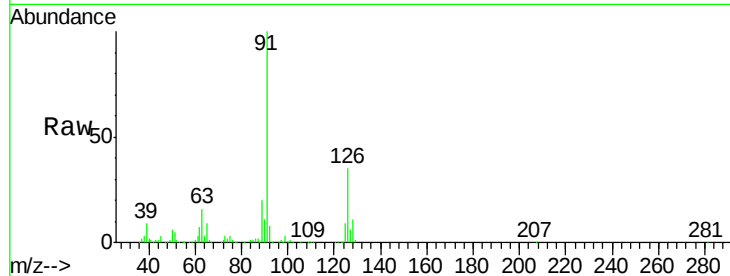
VSTDCCC050

Tgt Ion: 91 Resp: 681389

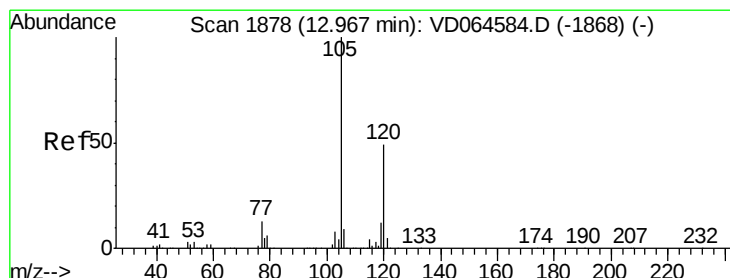
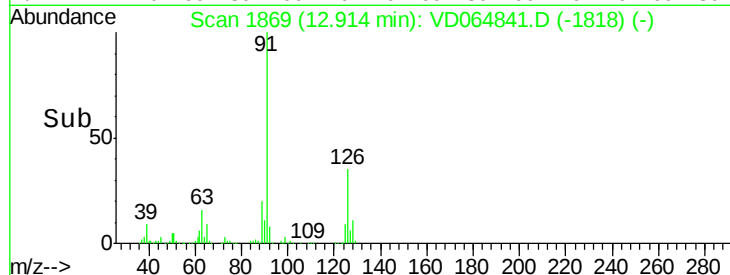
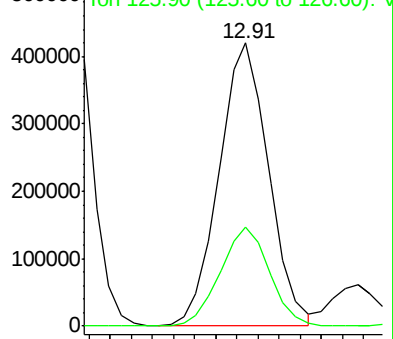
Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064841.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.578 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064841.D

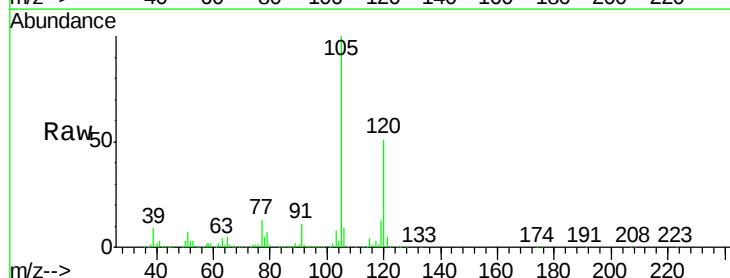
Acq: 13 Jan 2020 11:01

Tgt Ion: 105 Resp: 870719

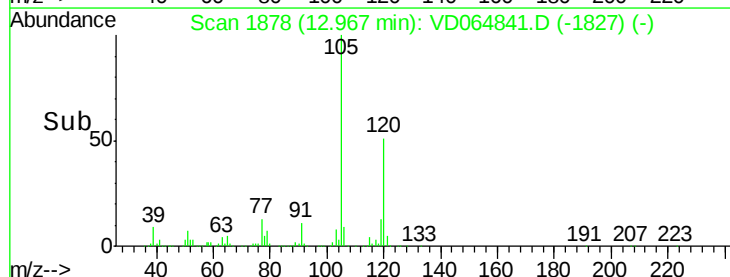
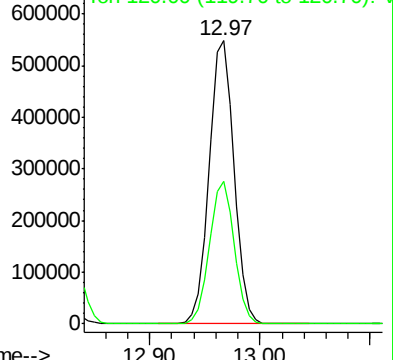
Ion Ratio Lower Upper

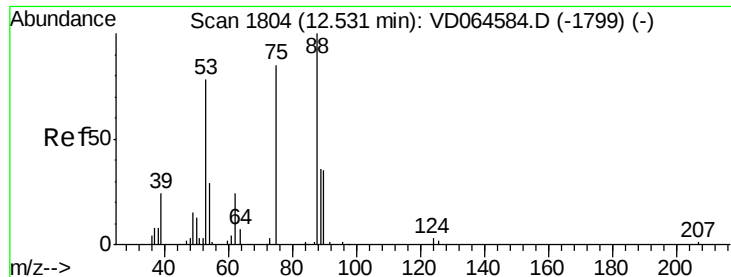
105 100

120 50.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064841.D (-1868) (-)

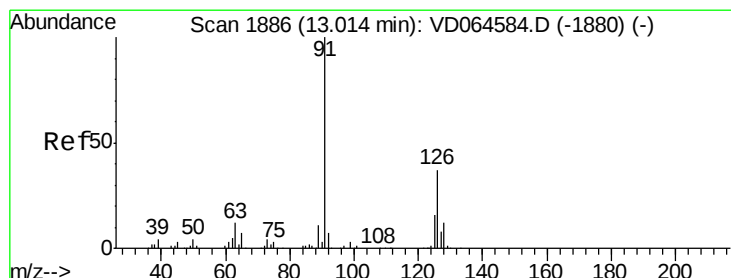
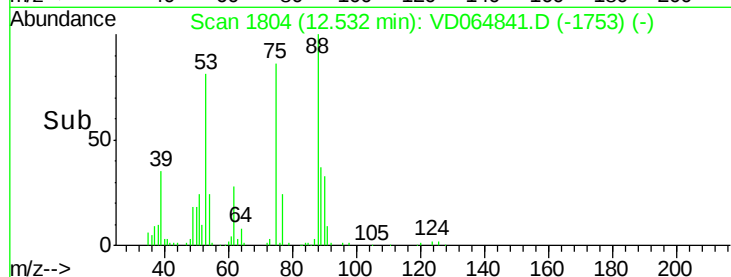
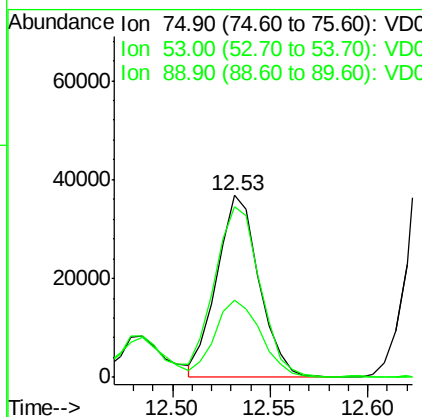
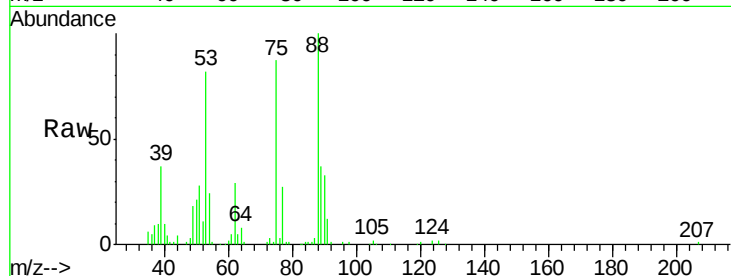




#81
trans-1,4-Dichloro-2-butene
Concen: 53.996 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

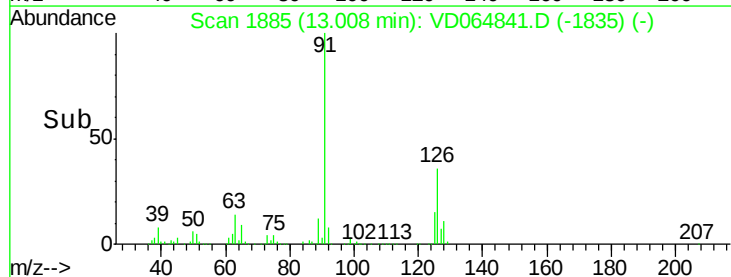
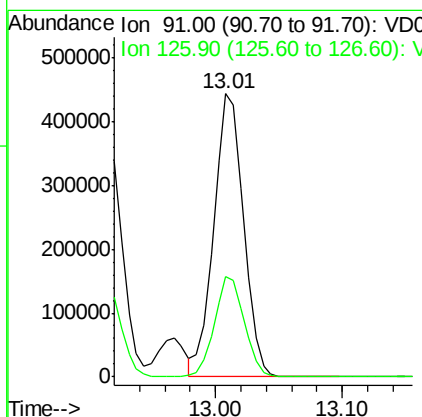
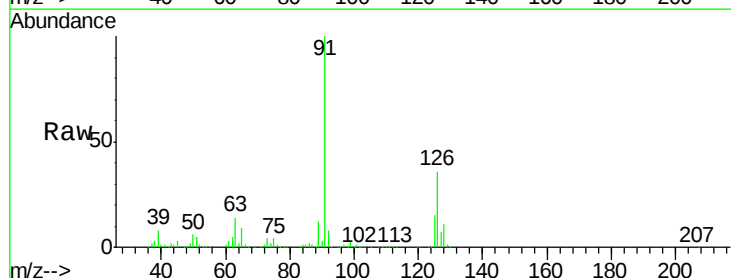
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

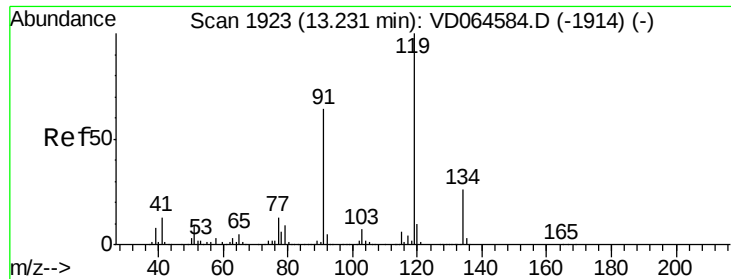
Tgt Ion: 75 Resp: 55405
Ion Ratio Lower Upper
75 100
53 102.4 78.8 118.2
89 45.9 38.3 57.5



#82
4-Chlorotoluene
Concen: 54.750 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 91 Resp: 725192
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.5

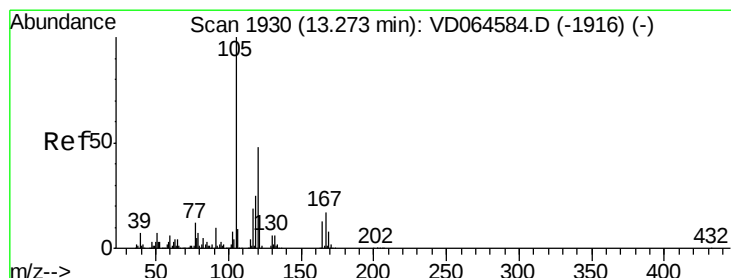
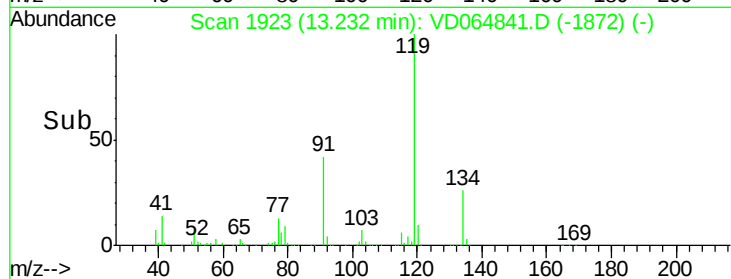
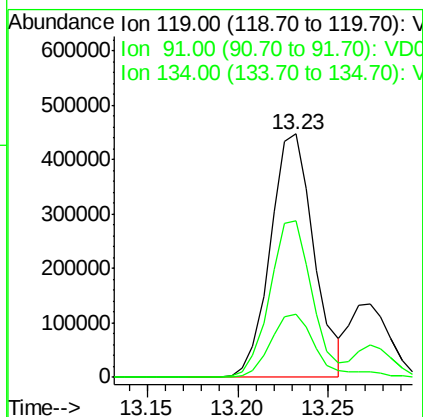
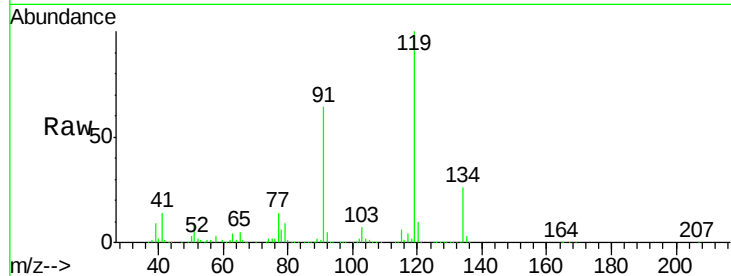




#83
 tert-Butylbenzene
 Concen: 54.004 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

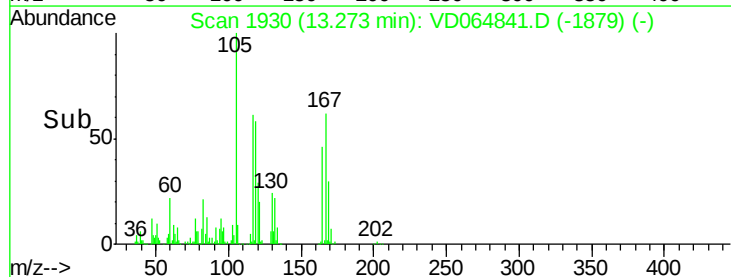
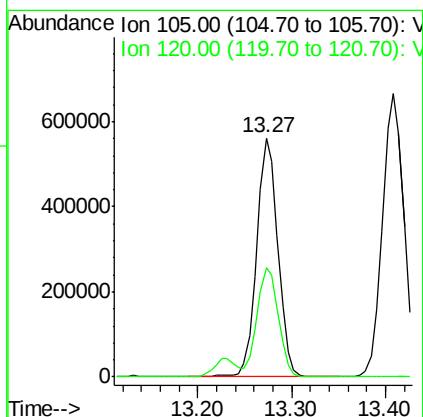
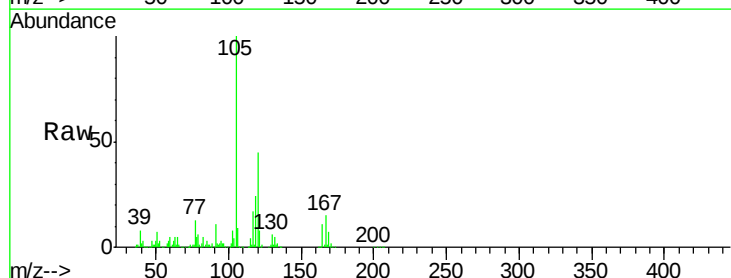
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

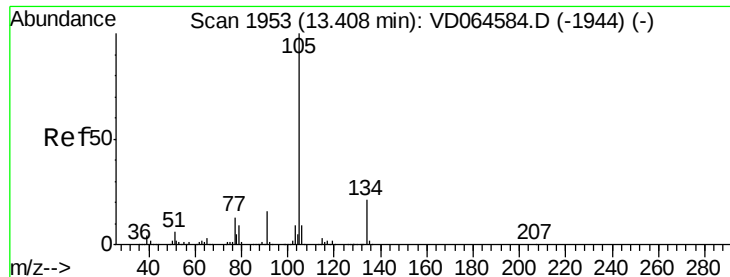
Tgt Ion:119 Resp: 748042
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.8 92.4
 134 27.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.009 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion:105 Resp: 874028
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.8 71.2

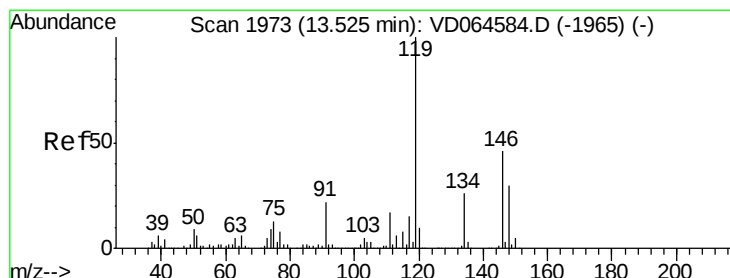
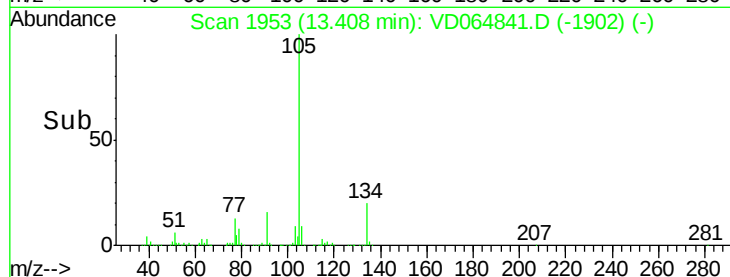
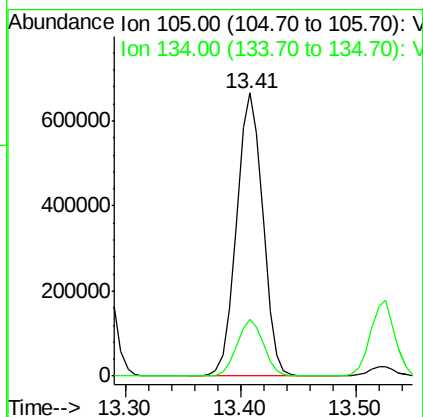
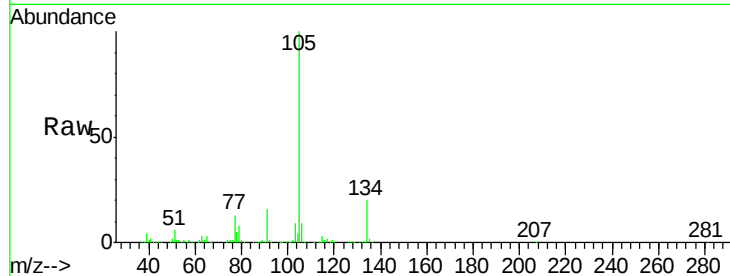




#85
 sec-Butylbenzene
 Concen: 54.945 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

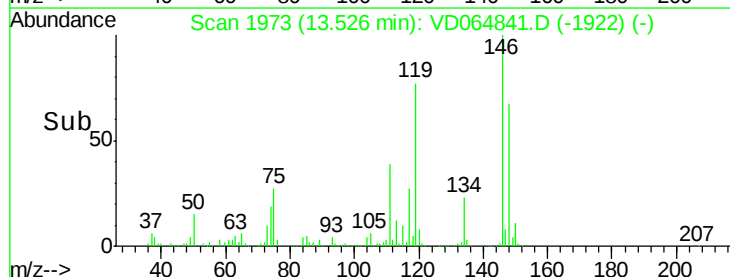
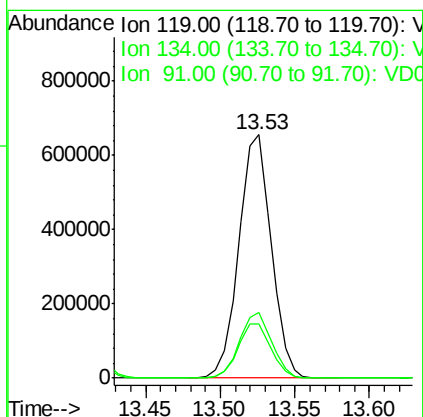
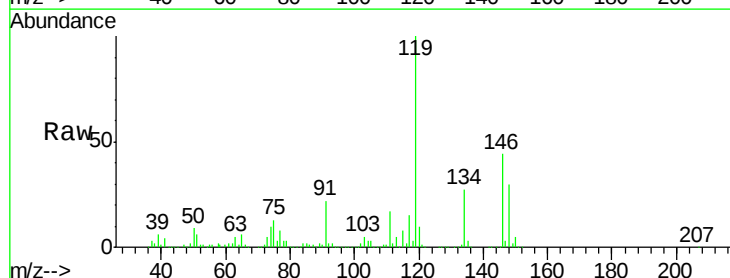
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

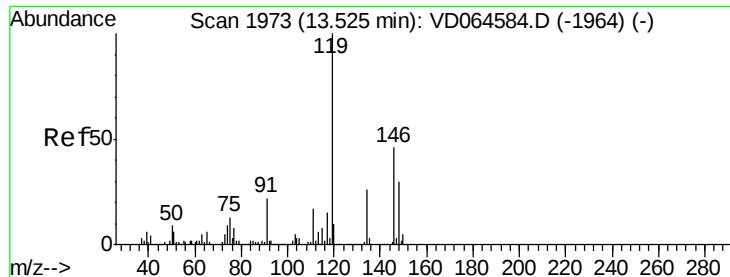
Tgt Ion:105 Resp: 1043393
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 54.278 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion:119 Resp: 985576
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 54.050 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

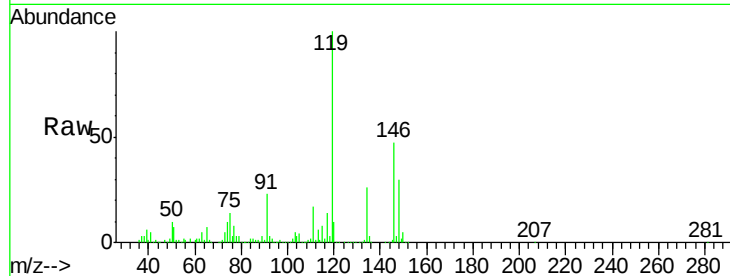
Tgt Ion:146 Resp: 491706

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.4

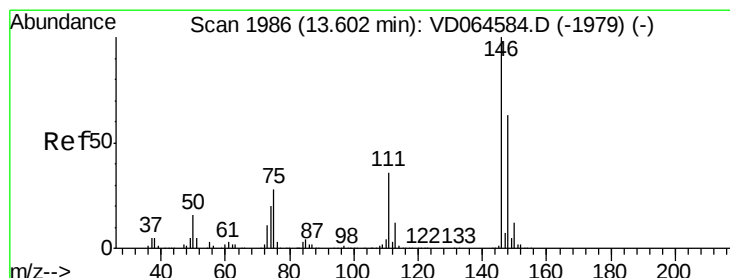
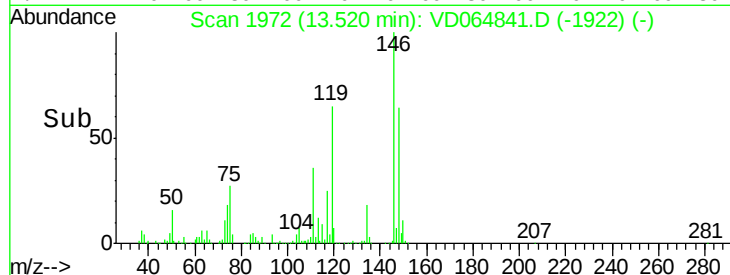
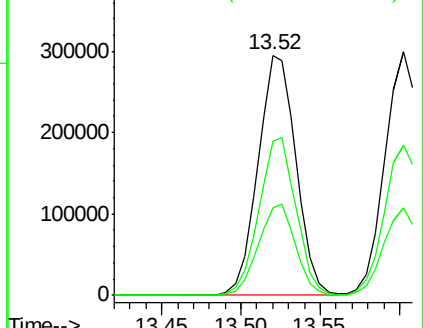
148 64.3 32.5 97.5



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: 53.290 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

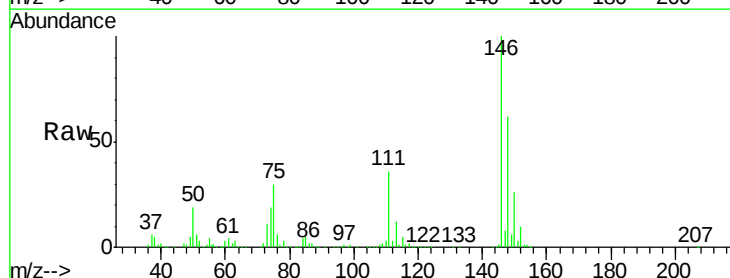
Tgt Ion:146 Resp: 476243

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.1

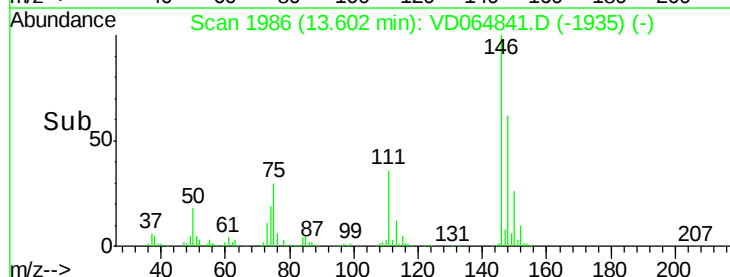
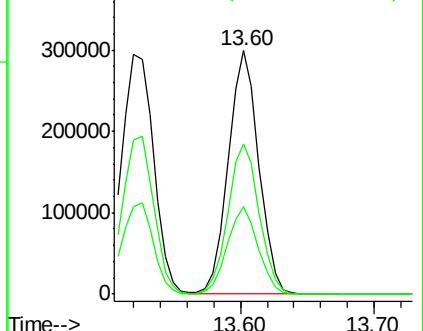
148 63.2 32.3 96.9

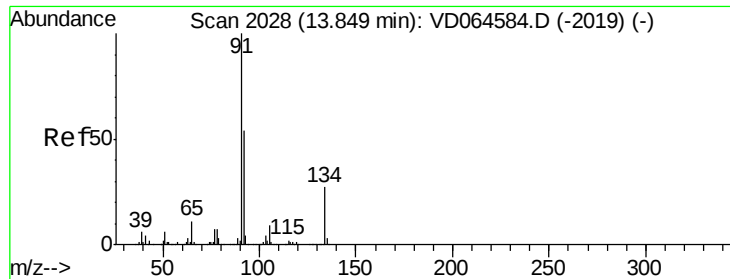


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

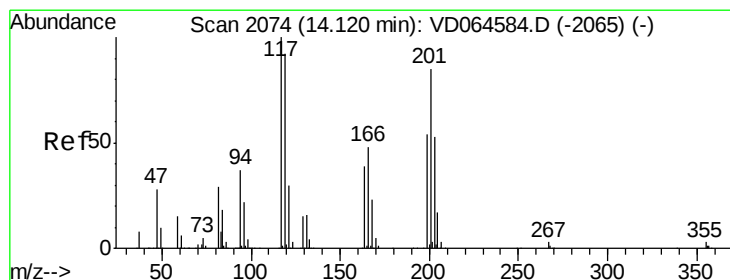
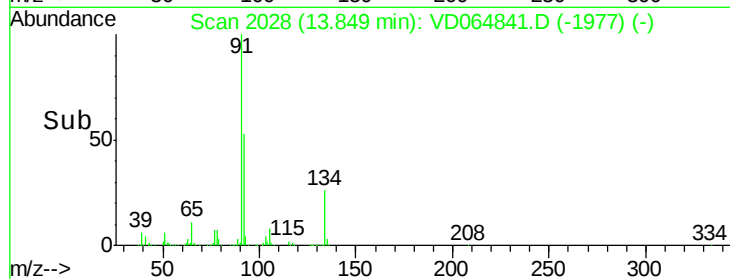
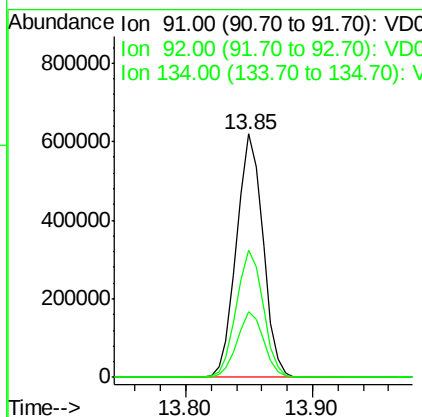
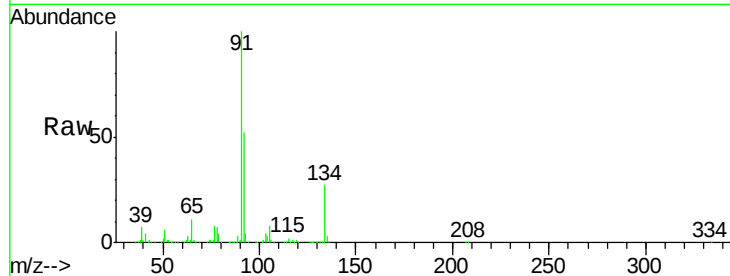




#89
n-Butylbenzene
Concen: 54.766 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

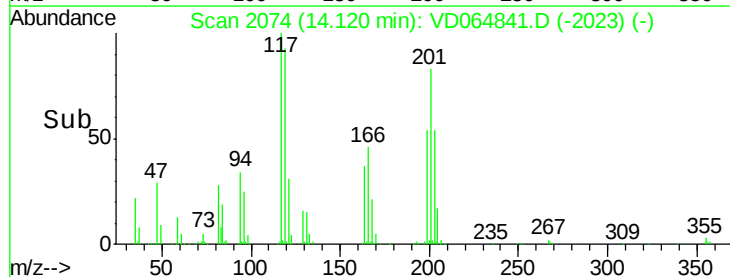
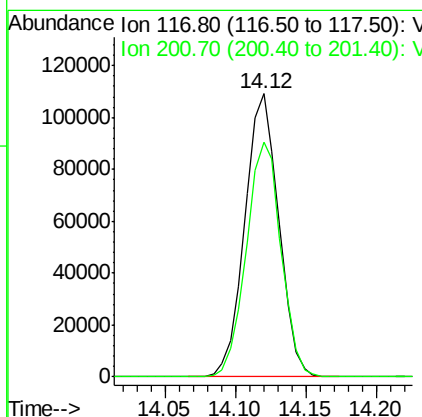
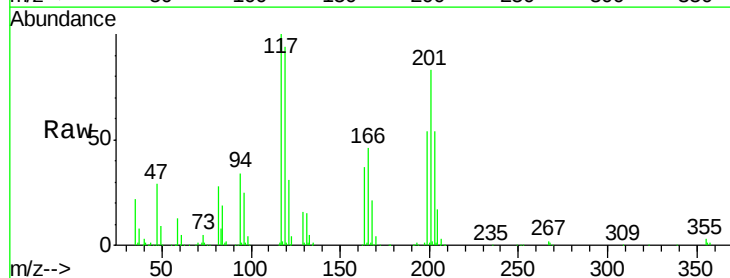
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

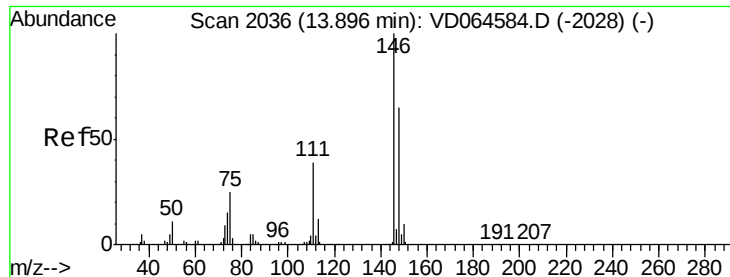
Tgt Ion: 91 Resp: 895535
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.4
134 26.9 14.0 41.9



#90
Hexachloroethane
Concen: 53.185 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 117 Resp: 184476
Ion Ratio Lower Upper
117 100
201 84.9 44.0 131.8

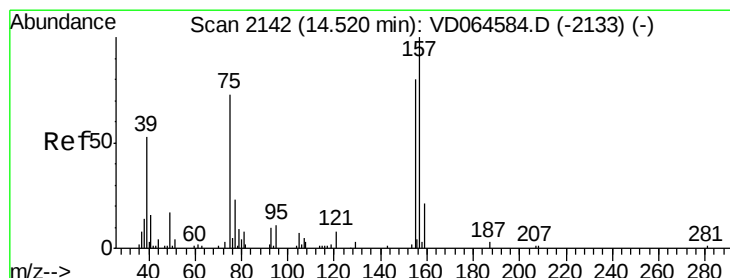
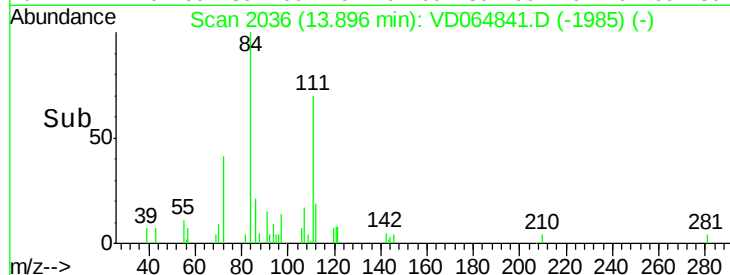
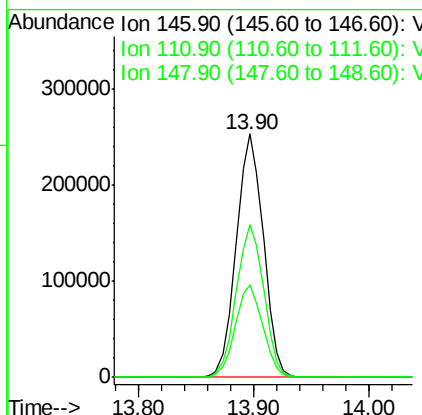
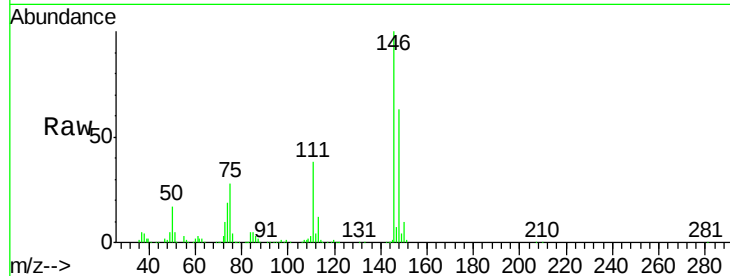




#91
 1,2-Dichlorobenzene
 Concen: 53.050 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

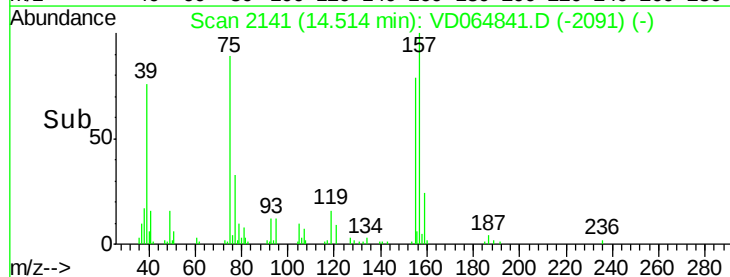
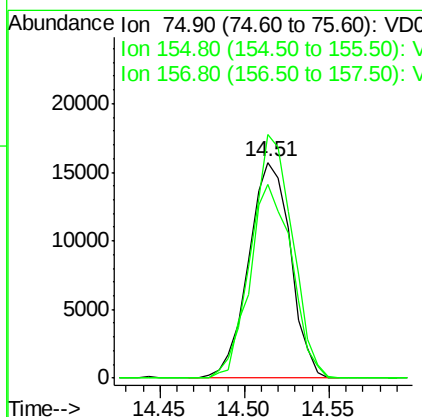
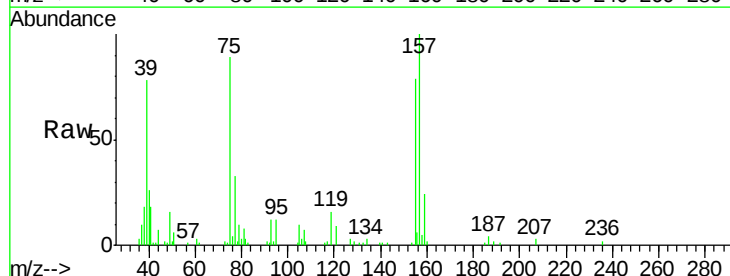
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.796 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	48.0	144.0
157	110.9	64.1	192.3

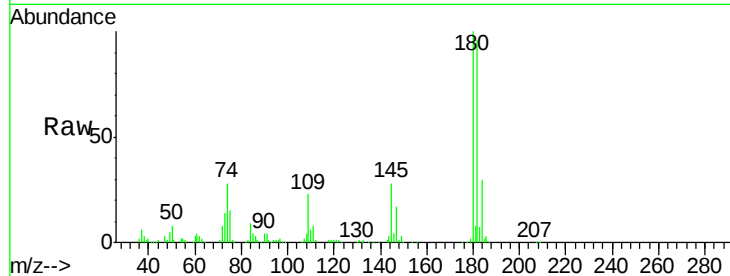




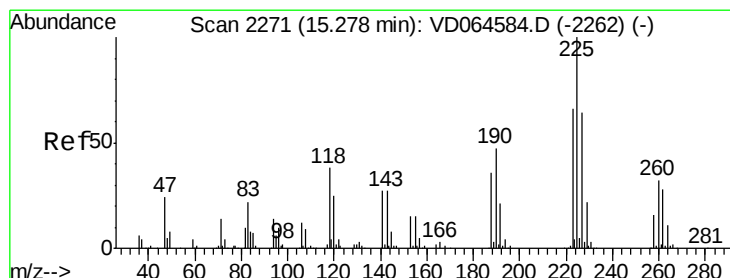
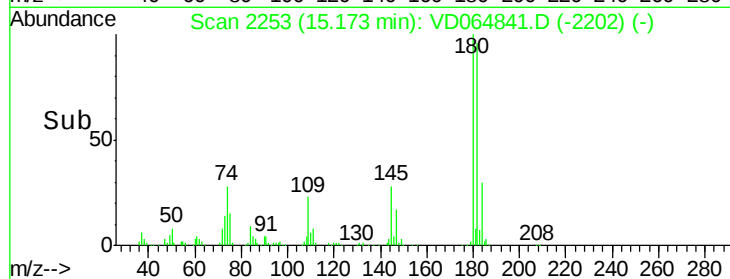
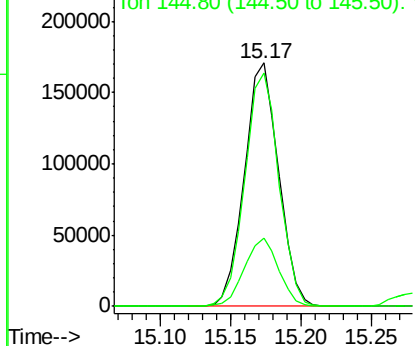
#93
 1,2,4-Trichlorobenzene
 Concen: 50.958 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 291060
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 27.9 13.8 41.4

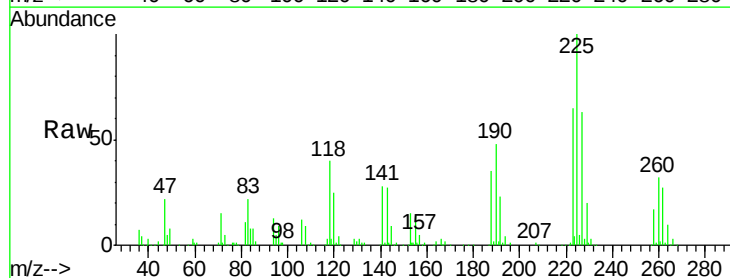


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

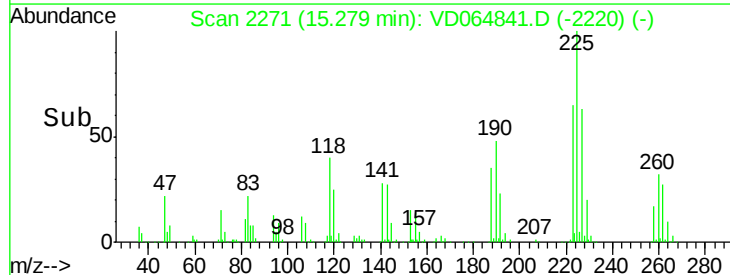
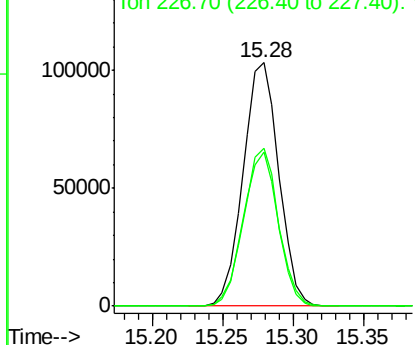


#94
 Hexachlorobutadiene
 Concen: 50.967 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion:225 Resp: 183187
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 62.4 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.715 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

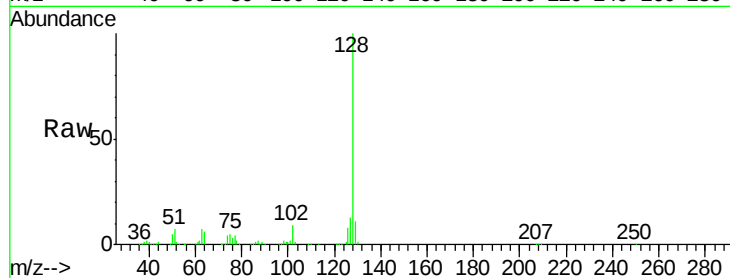
Tgt Ion:128 Resp: 467301

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

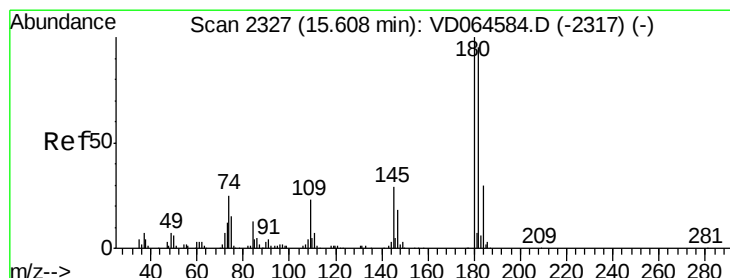
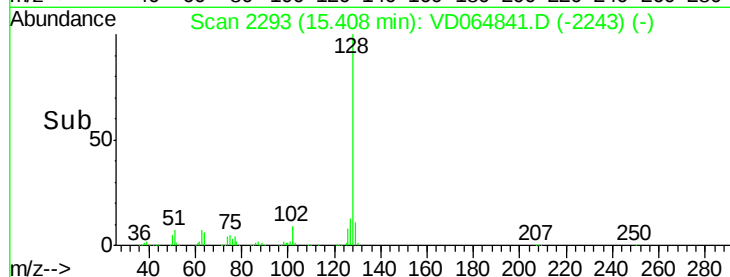
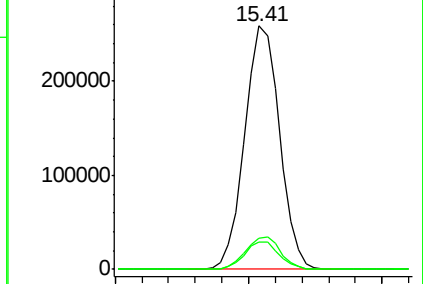
129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.146 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

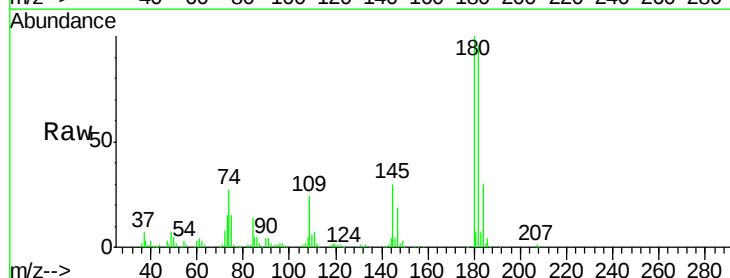
Tgt Ion:180 Resp: 244520

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 30.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

