

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064706.D
 Acq On : 31 Dec 2019 20:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 01 00:48:42 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	392374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	614040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187982	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.92	113	187359	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	702530	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.64	95	236819	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174864	57.345	ug/l	98
3) Chloromethane	2.21	50	257235	60.318	ug/l	100
4) Vinyl Chloride	2.35	62	252289	48.519	ug/l	98
5) Bromomethane	2.77	94	183622	48.568	ug/l	99
6) Chloroethane	2.93	64	181472	52.085	ug/l	97
7) Trichlorofluoromethane	3.27	101	407126	46.501	ug/l	99
8) Diethyl Ether	3.71	74	103919	59.772	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	178259	49.162	ug/l	99
10) Methyl Iodide	4.30	142	221489	56.868	ug/l	98
11) Tert butyl alcohol	5.25	59	60178	303.487	ug/l	97
12) 1,1-Dichloroethene	4.06	96	176777	51.209	ug/l	99
13) Acrolein	3.93	56	59660	215.889	ug/l	97
14) Allyl chloride	4.71	41	294203	54.662	ug/l	99
15) Acrylonitrile	5.43	53	208145	287.419	ug/l	98
16) Acetone	4.17	43	174671	238.639	ug/l	96
17) Carbon Disulfide	4.40	76	546696	48.978	ug/l	100
18) Methyl Acetate	4.73	43	114097	58.575	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	459452	59.922	ug/l	95
20) Methylene Chloride	4.96	84	213272	61.384	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	208542	53.046	ug/l	99
22) Diisopropyl ether	6.37	45	619974	57.751	ug/l	99
23) Vinyl Acetate	6.31	43	1778436	292.041	ug/l	99
24) 1,1-Dichloroethane	6.27	63	362684	56.276	ug/l	98
25) 2-Butanone	7.23	43	266984	280.727	ug/l	98
26) 2,2-Dichloropropane	7.21	77	286847	47.872	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	236586	55.761	ug/l	99
28) Bromochloromethane	7.55	49	155169	61.938	ug/l	96
29) Tetrahydrofuran	7.57	42	172047	290.899	ug/l	99
30) Chloroform	7.71	83	383904	56.777	ug/l	98
31) Cyclohexane	7.98	56	293614	45.513	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	334657	52.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	273861	46.338	ug/l	98
37) Ethyl Acetate	7.30	43	118196	50.907	ug/l	97
38) Carbon Tetrachloride	8.10	117	300042	47.611	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	322152	45.005	ug/l	98
40) Benzene	8.36	78	820237	50.839	ug/l	98
41) Methacrylonitrile	7.53	41	81717	60.661	ug/l	97
42) 1,2-Dichloroethane	8.43	62	251466	53.936	ug/l	100
43) Isopropyl Acetate	8.46	43	244846	52.982	ug/l	100
44) Trichloroethene	9.11	130	236924	49.987	ug/l	97
45) 1,2-Dichloropropane	9.39	63	204046	52.969	ug/l	99
46) Dibromomethane	9.48	93	113514	52.853	ug/l	97
47) Bromodichloromethane	9.66	83	303142	53.043	ug/l	96
48) Methyl methacrylate	9.46	41	115708	53.175	ug/l	89
49) 1,4-Dioxane	9.47	88	26150	1055.934	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	618651	270.836	ug/l	99
52) Toluene	10.40	92	543112	51.309	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	288335	54.114	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337082	53.652	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	157438	54.393	ug/l	97
56) Ethyl methacrylate	10.66	69	201242	55.672	ug/l	98
57) 1,3-Dichloropropane	10.95	76	273853	54.950	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	336694	244.477	ug/l	98
59) 2-Hexanone	10.98	43	426083	274.829	ug/l	100
60) Dibromochloromethane	11.14	129	218647	54.626	ug/l	98
61) 1,2-Dibromoethane	11.25	107	153453	53.752	ug/l	98
64) Tetrachloroethene	10.88	164	208469	48.216	ug/l	99
65) Chlorobenzene	11.67	112	598269	51.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232141	52.645	ug/l	98
67) Ethyl Benzene	11.75	91	1074246	50.599	ug/l	100
68) m/p-Xylenes	11.86	106	819768	100.038	ug/l	97
69) o-Xylene	12.18	106	393402	53.150	ug/l	100
70) Styrene	12.20	104	688974	53.030	ug/l	99
71) Bromoform	12.37	173	136837	54.416	ug/l #	98
73) Isopropylbenzene	12.48	105	1014781	49.808	ug/l	100
74) N-amyl acetate	12.29	43	244676	56.180	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	169842	53.067	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	224237	99.602	ug/l #	100
77) Bromobenzene	12.77	156	258564	51.649	ug/l	99
78) n-propylbenzene	12.83	91	1197007	50.361	ug/l	99
79) 2-Chlorotoluene	12.91	91	664627	50.902	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	867965	51.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53466	49.670	ug/l	95
82) 4-Chlorotoluene	13.01	91	710057	51.101	ug/l	100
83) tert-Butylbenzene	13.23	119	732494	50.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	867333	52.035	ug/l	97
85) sec-Butylbenzene	13.41	105	988844	49.637	ug/l	99
86) p-Isopropyltoluene	13.53	119	959473	50.370	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	490127	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	487057	51.952	ug/l	99
89) n-Butylbenzene	13.85	91	854828	49.833	ug/l	100
90) Hexachloroethane	14.12	117	180550	49.620	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	431685	53.047	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27558	53.114	ug/l	99

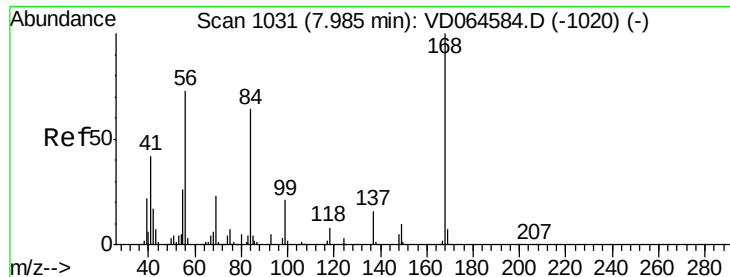
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312019	52.073	ug/l	99
94) Hexachlorobutadiene	15.28	225	176614	46.841	ug/l	97
95) Naphthalene	15.41	128	578897	61.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	269112	52.609	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

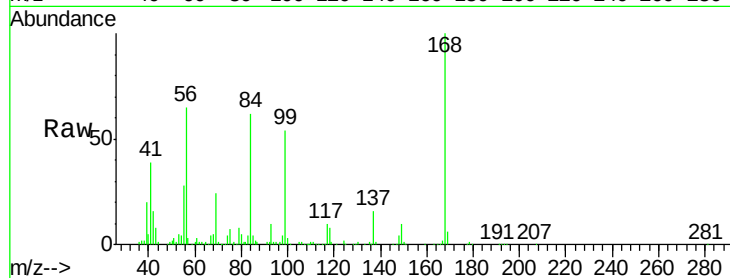
VSTDCCC050EC

Tgt Ion:168 Resp: 392374

Ion Ratio Lower Upper

168 100

99 53.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

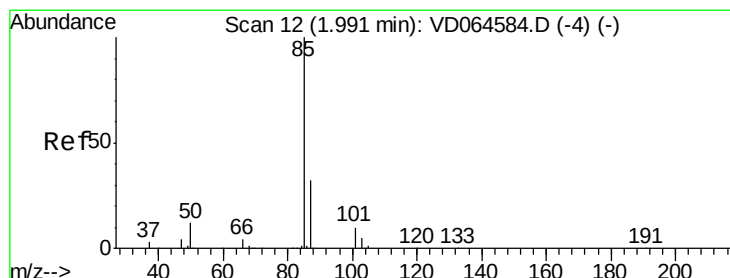
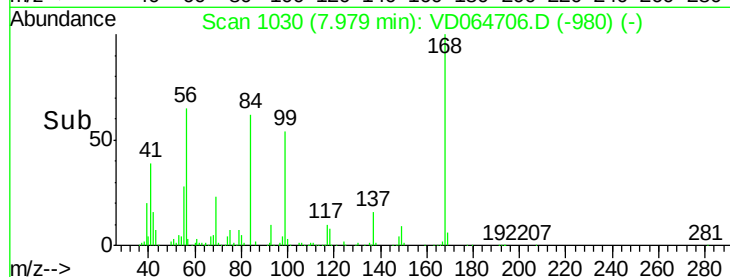
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.345 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064706.D

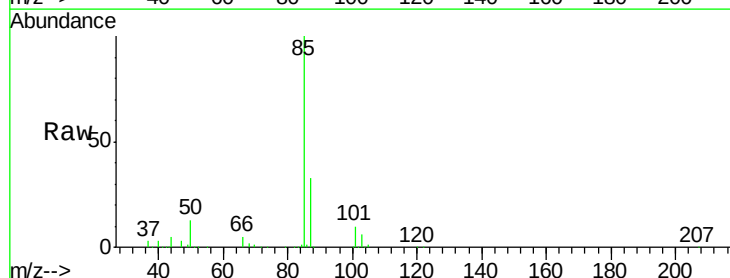
Acq: 31 Dec 2019 20:33

Tgt Ion: 85 Resp: 174864

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

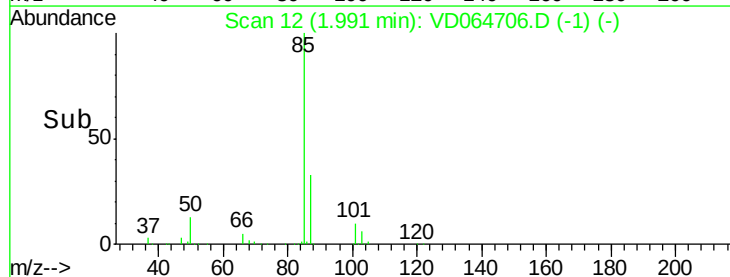
100000

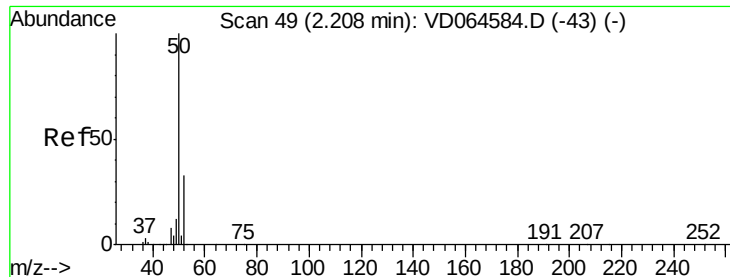
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 60.318 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

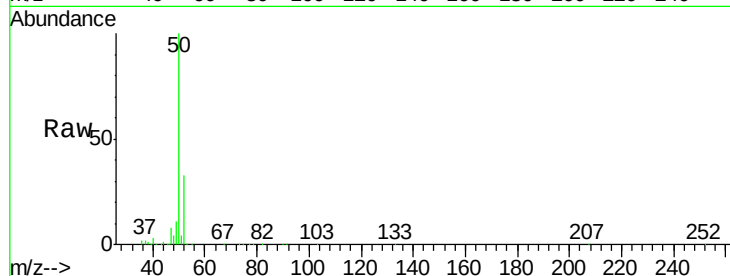
VSTDCCC050EC

Tgt Ion: 50 Resp: 257235

Ion Ratio Lower Upper

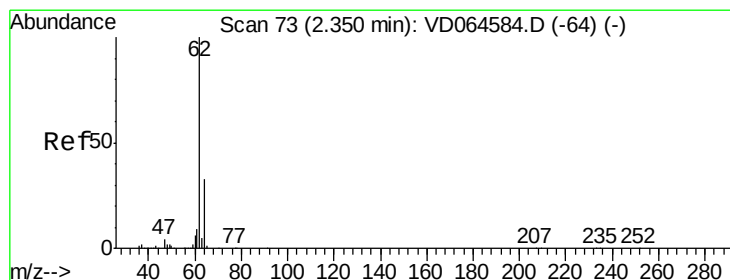
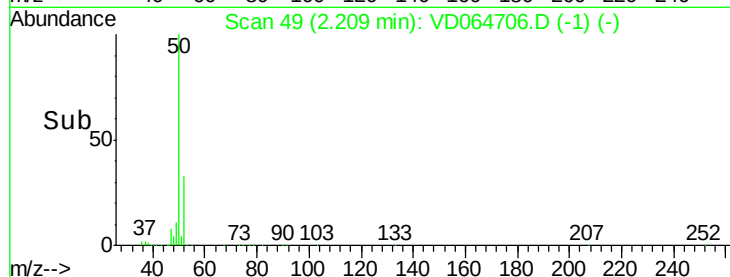
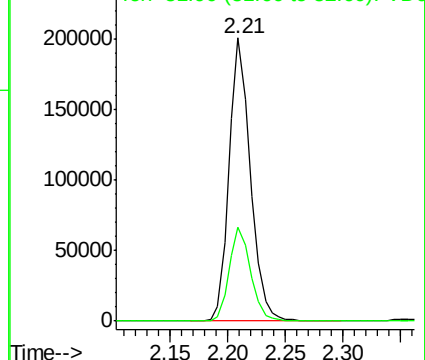
50 100

52 33.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.519 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064706.D

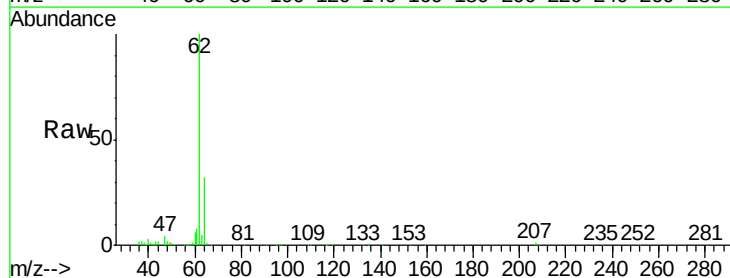
Acq: 31 Dec 2019 20:33

Tgt Ion: 62 Resp: 252289

Ion Ratio Lower Upper

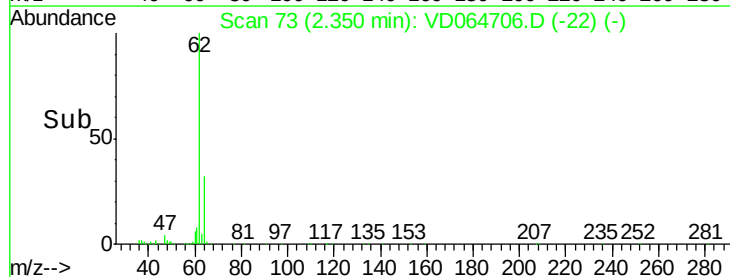
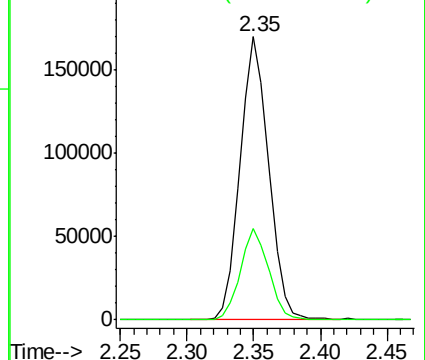
62 100

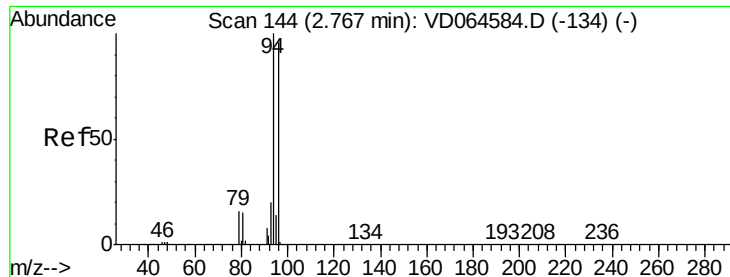
64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.568 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

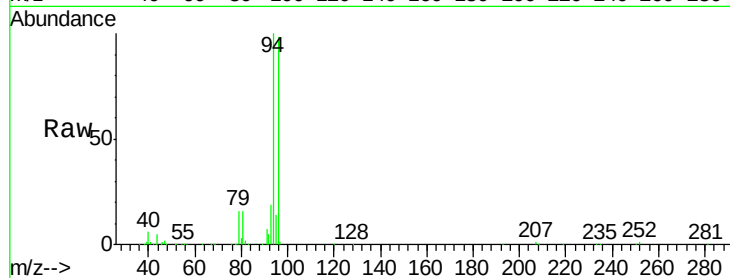
VSTDCCC050EC

Tgt Ion: 94 Resp: 183622

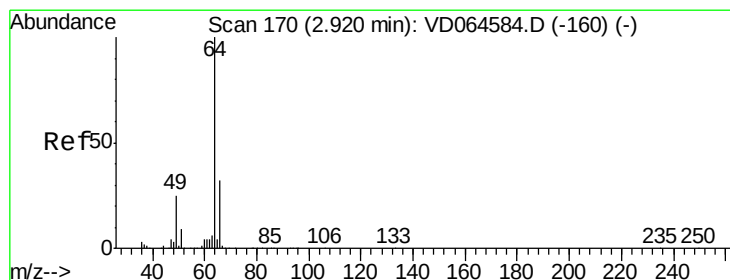
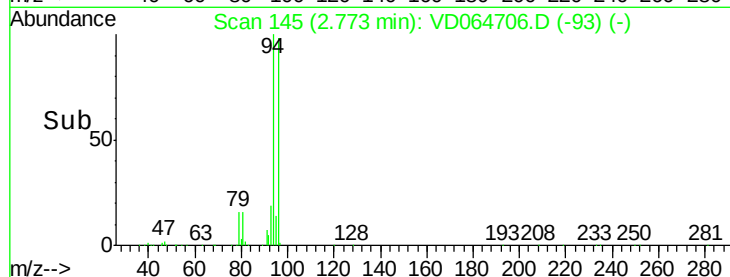
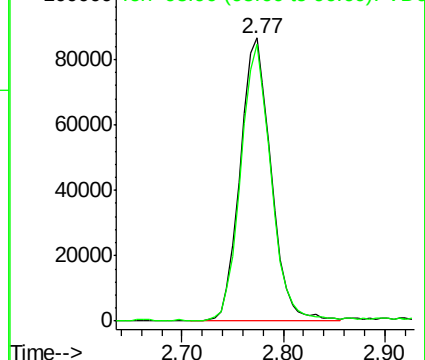
Ion Ratio Lower Upper

94 100

96 97.3 77.2 115.8



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



#6

Chloroethane

Concen: 52.085 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064706.D

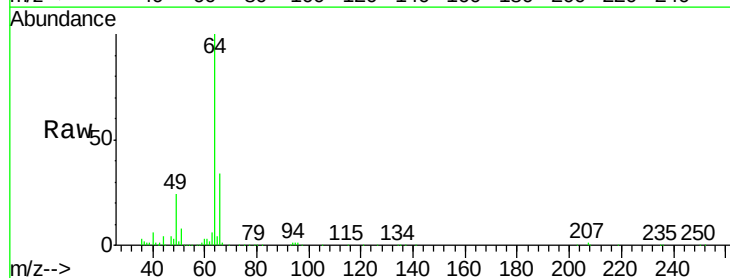
Acq: 31 Dec 2019 20:33

Tgt Ion: 64 Resp: 181472

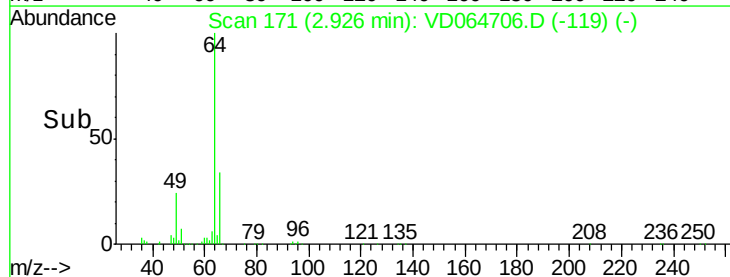
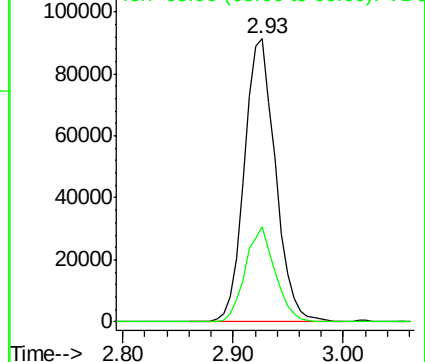
Ion Ratio Lower Upper

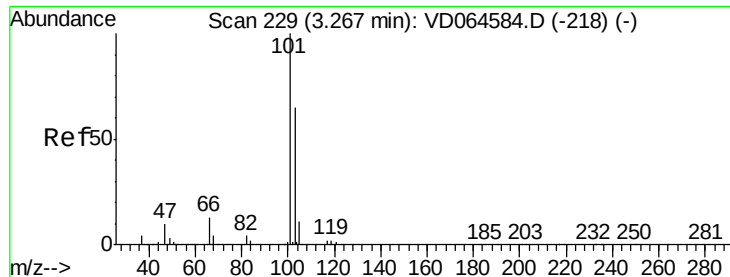
64 100

66 33.8 25.9 38.9



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



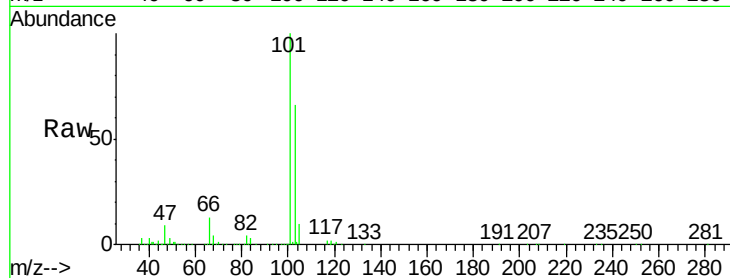


#7

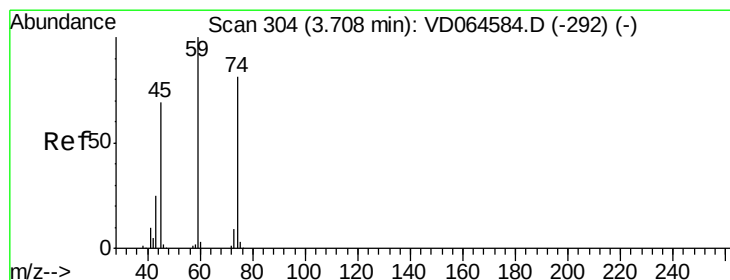
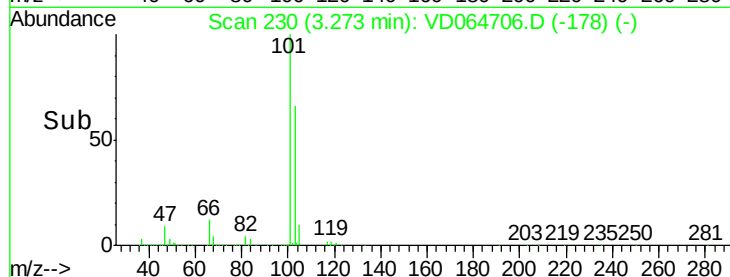
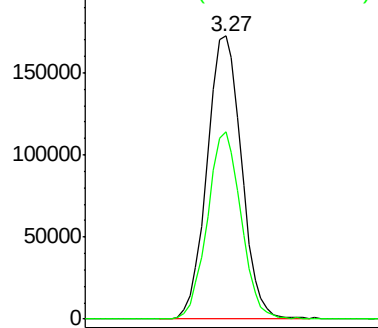
Trichlorofluoromethane
Concen: 46.501 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 407126
Ion Ratio Lower Upper
101 100
103 65.9 52.2 78.4



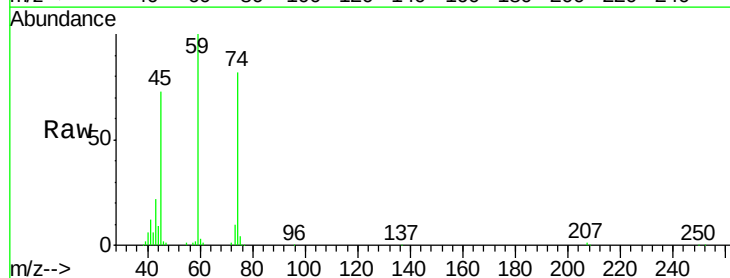
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



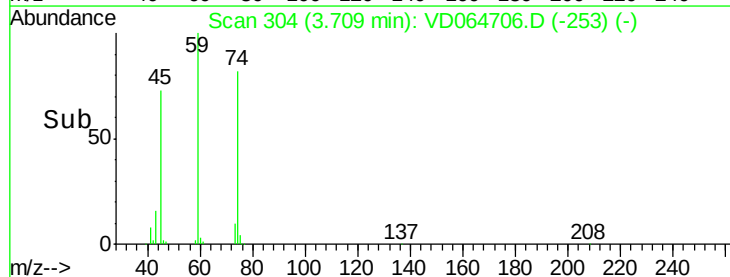
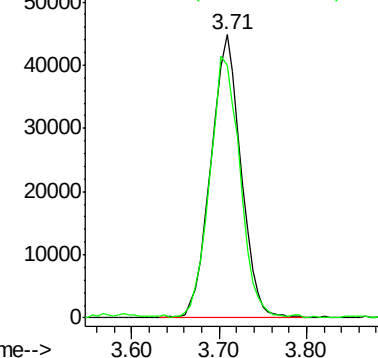
#8

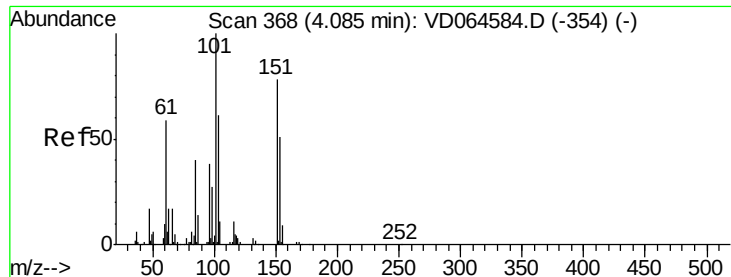
Diethyl Ether
Concen: 59.772 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 74 Resp: 103919
Ion Ratio Lower Upper
74 100
45 92.1 47.5 142.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.162 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

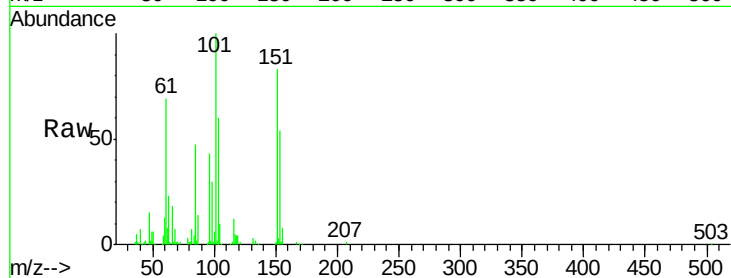
Tgt Ion:101 Resp: 178259

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

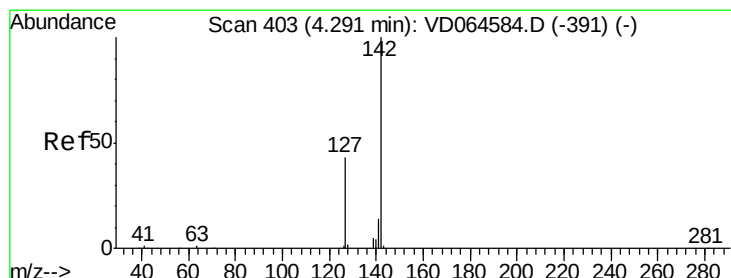
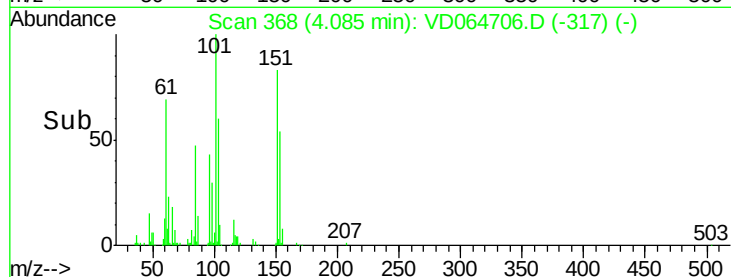
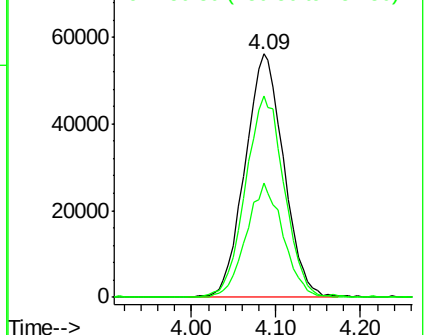
151 83.3 66.2 99.4



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: 56.868 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

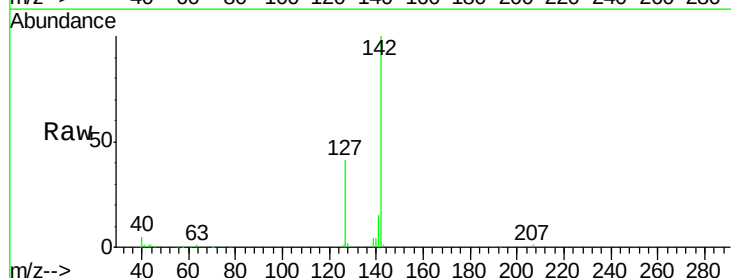
Tgt Ion:142 Resp: 221489

Ion Ratio Lower Upper

142 100

127 44.1 36.2 54.4

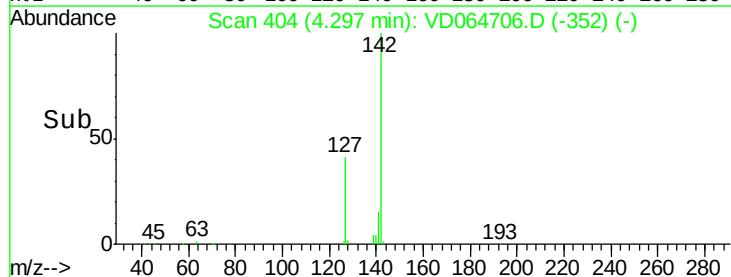
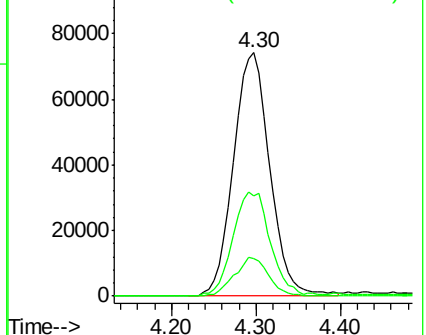
141 15.0 11.8 17.8

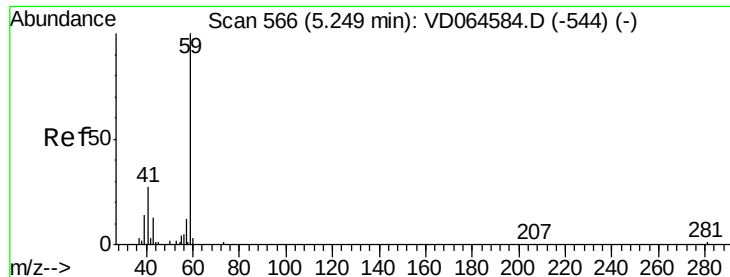


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



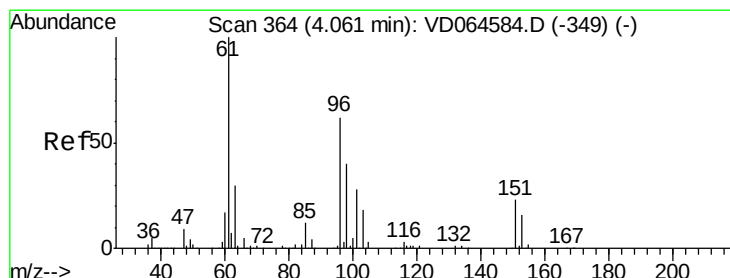
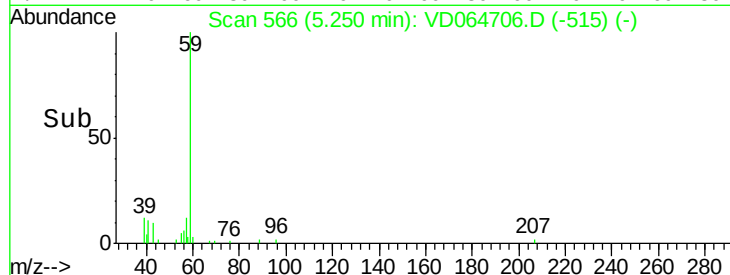
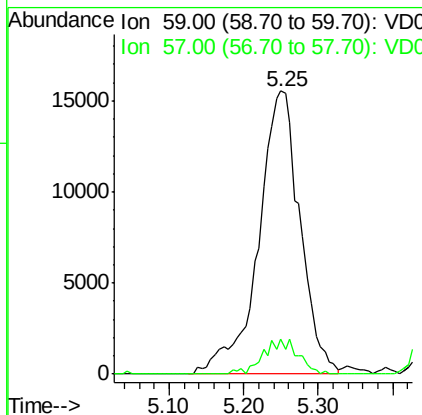
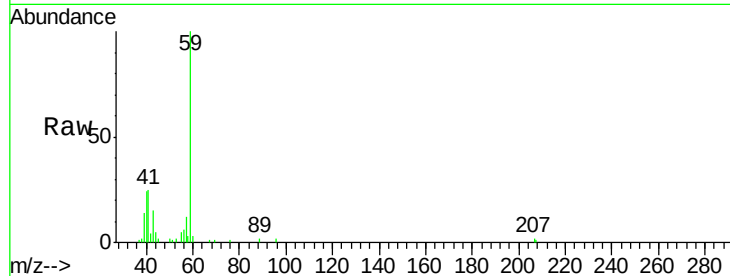


#11

Tert butyl alcohol
 Concen: 303.487 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

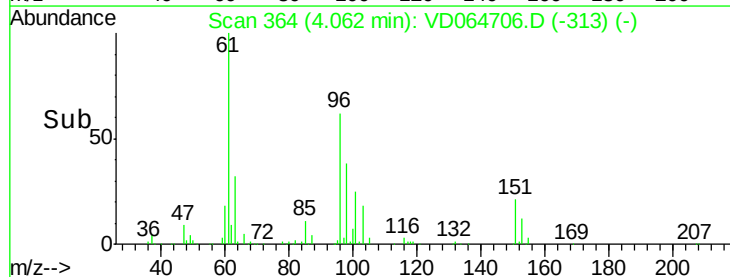
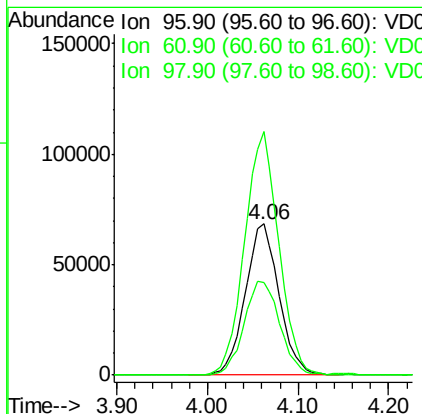
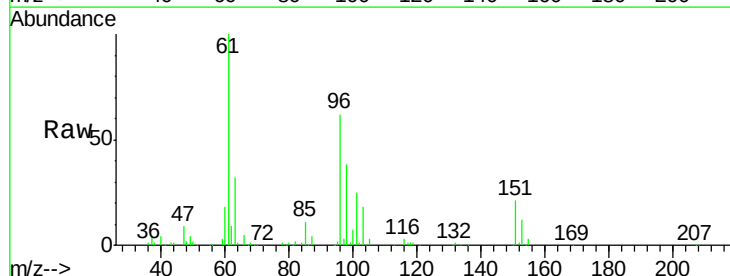
Tgt Ion: 59 Resp: 60178
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.3 13.9

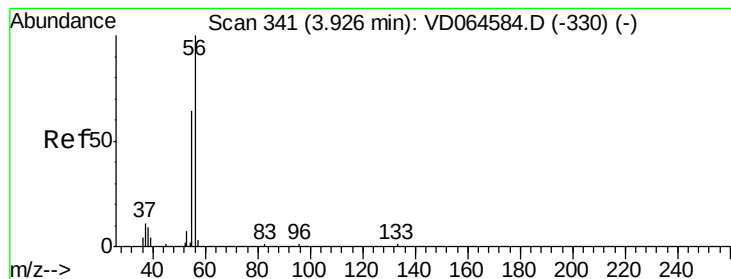


#12

1,1-Dichloroethene
 Concen: 51.209 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 96 Resp: 176777
 Ion Ratio Lower Upper
 96 100
 61 161.3 129.4 194.0
 98 61.5 51.4 77.0





#13

Acrolein

Concen: 215.889 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

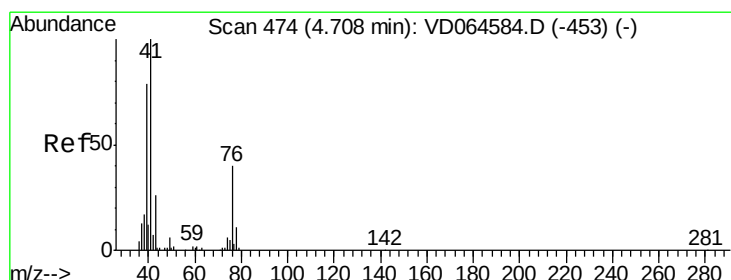
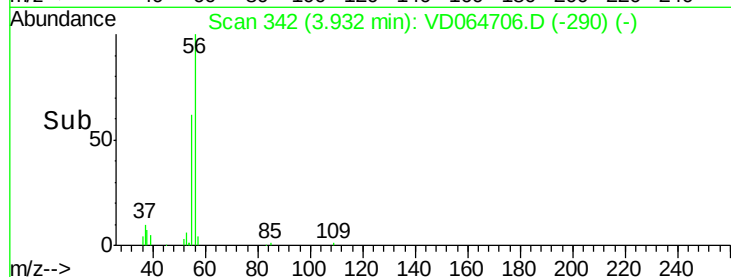
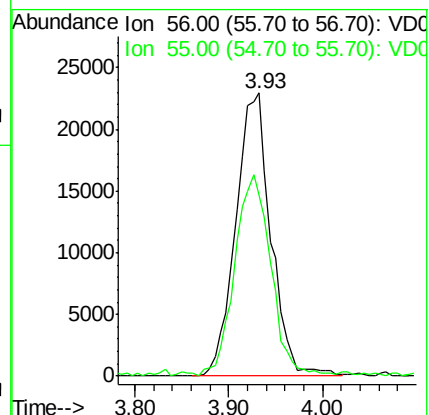
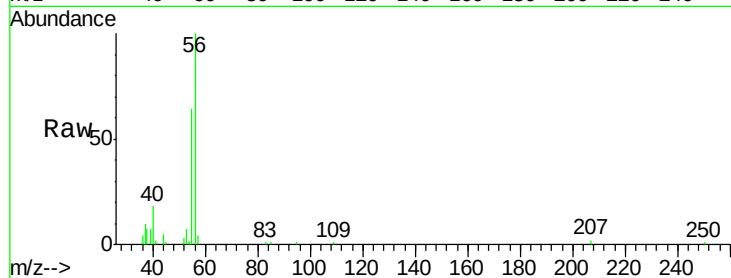
VSTDCCC050EC

Tgt Ion: 56 Resp: 59660

Ion Ratio Lower Upper

56 100

55 73.2 56.7 85.1



#14

Allyl chloride

Concen: 54.662 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

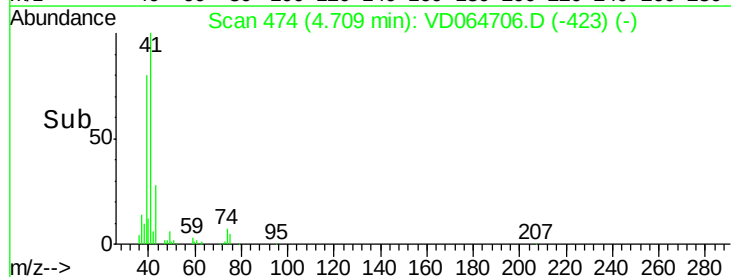
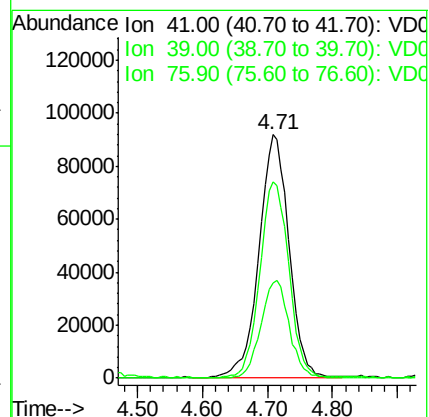
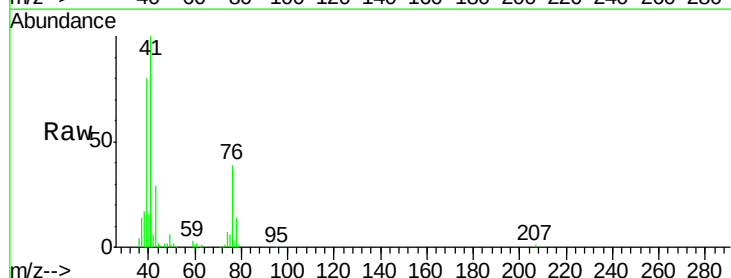
Tgt Ion: 41 Resp: 294203

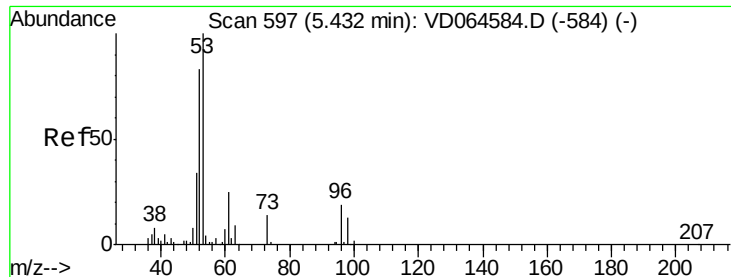
Ion Ratio Lower Upper

41 100

39 78.1 62.3 93.5

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 287.419 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

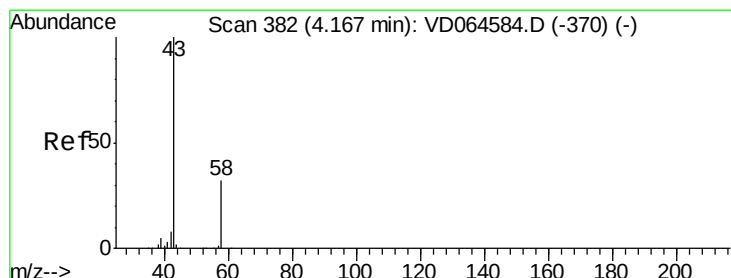
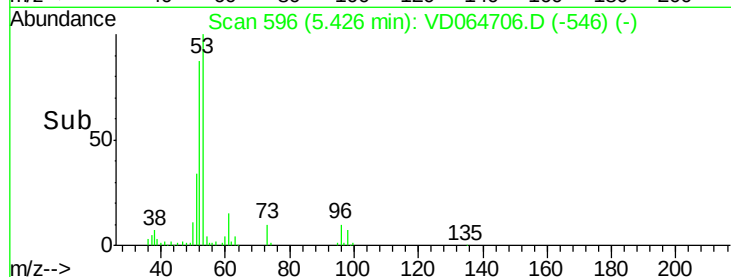
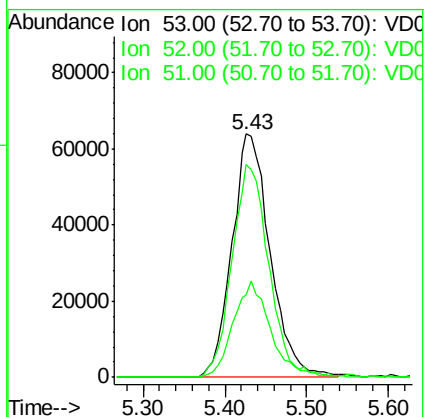
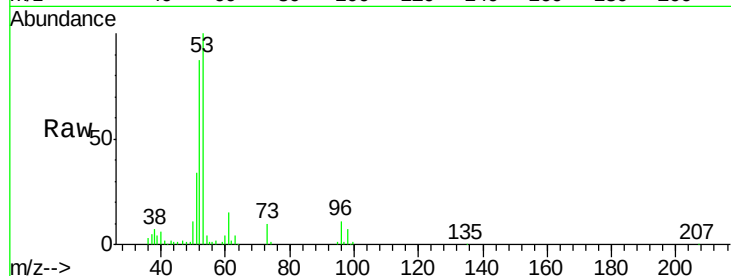
Tgt Ion: 53 Resp: 208145

Ion Ratio Lower Upper

53 100

52 83.9 66.2 99.2

51 38.8 30.1 45.1



#16

Acetone

Concen: 238.639 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064706.D

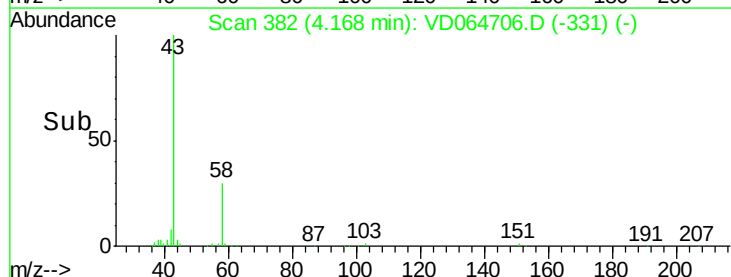
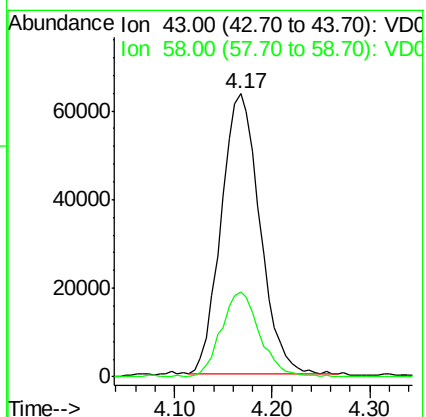
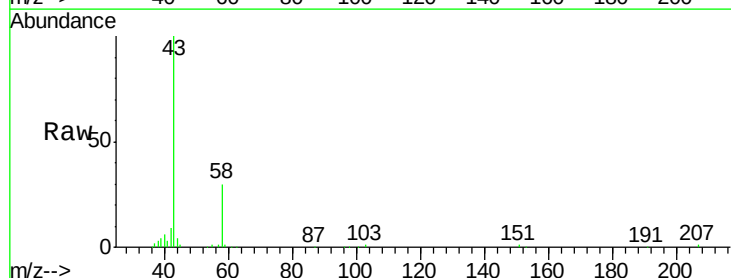
Acq: 31 Dec 2019 20:33

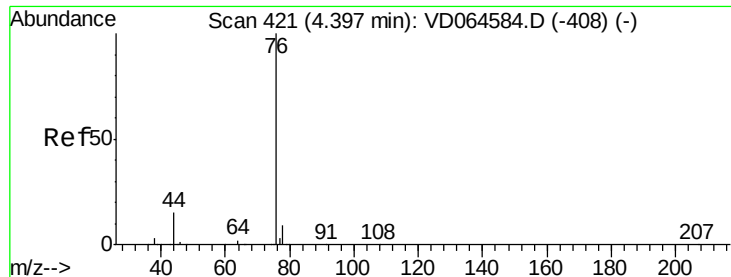
Tgt Ion: 43 Resp: 174671

Ion Ratio Lower Upper

43 100

58 30.2 25.8 38.6





#17

Carbon Disulfide

Concen: 48.978 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

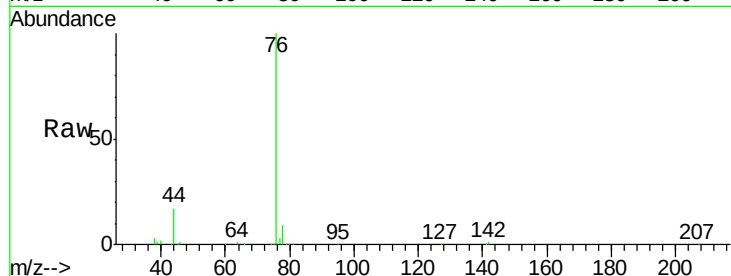
VSTDCCC050EC

Tgt Ion: 76 Resp: 546696

Ion Ratio Lower Upper

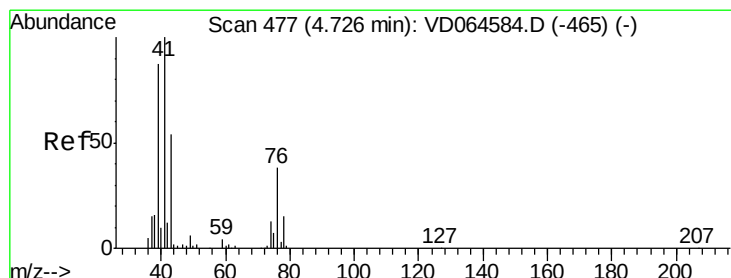
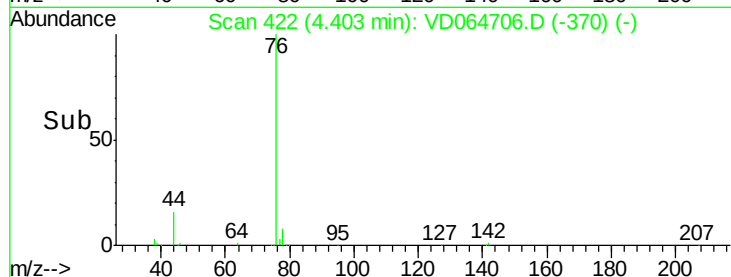
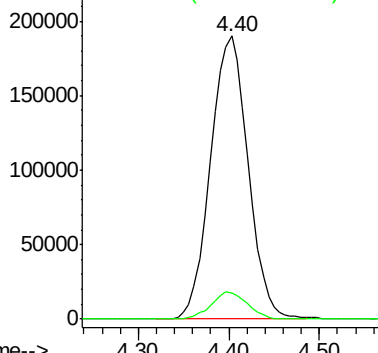
76 100

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



#18

Methyl Acetate

Concen: 58.575 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064706.D

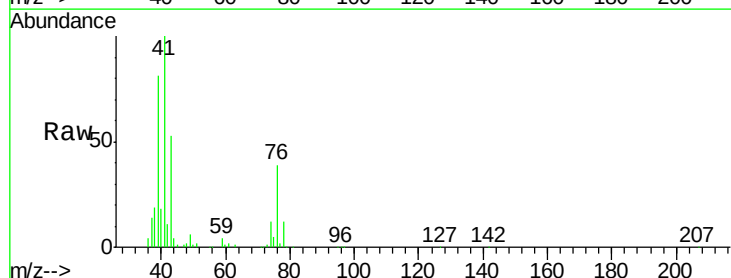
Acq: 31 Dec 2019 20:33

Tgt Ion: 43 Resp: 114097

Ion Ratio Lower Upper

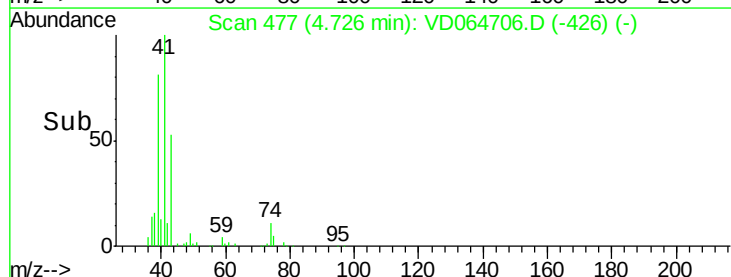
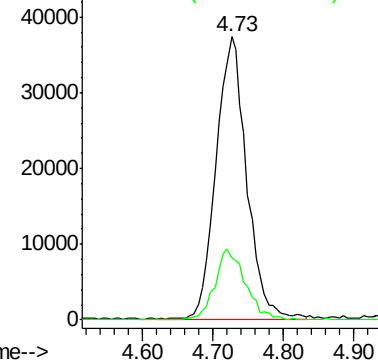
43 100

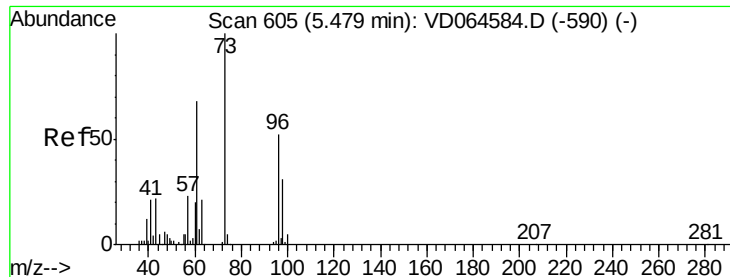
74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

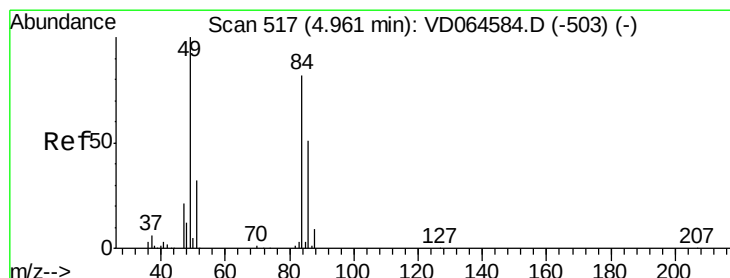
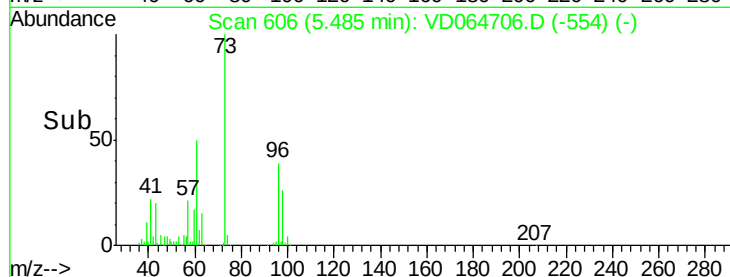
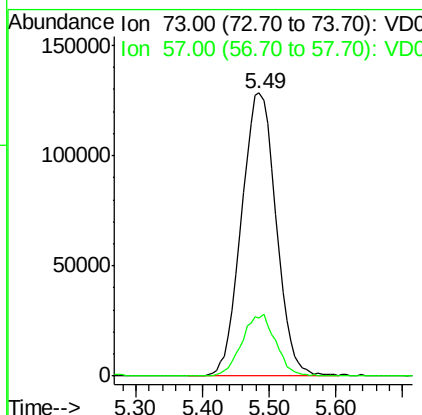
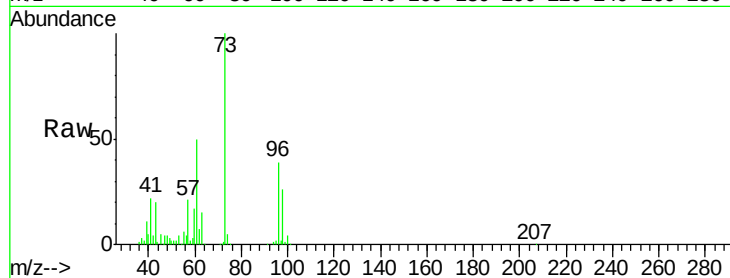




#19
Methyl tert-butyl Ether
Concen: 59.922 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

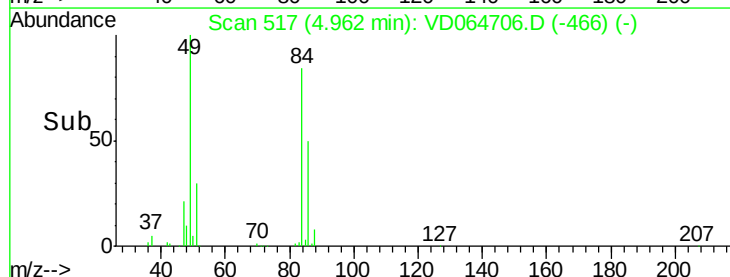
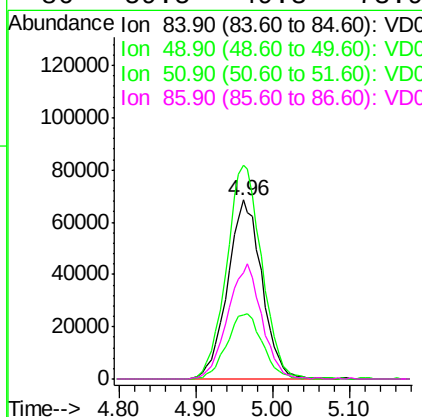
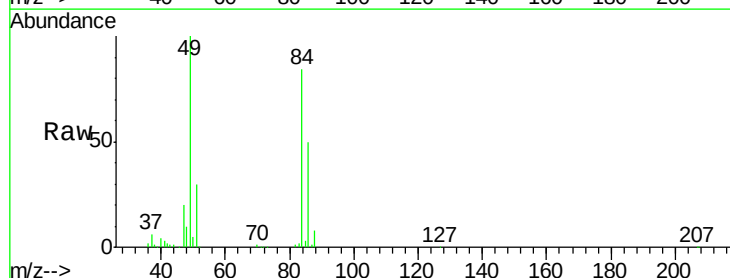
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

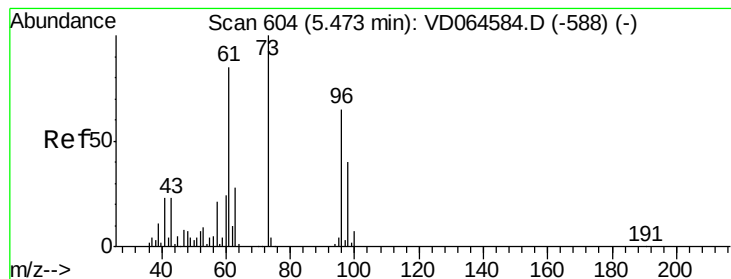
Tgt Ion: 73 Resp: 459452
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 61.384 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 84 Resp: 213272
Ion Ratio Lower Upper
84 100
49 119.3 97.2 145.8
51 35.5 31.4 47.0
86 59.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.046 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

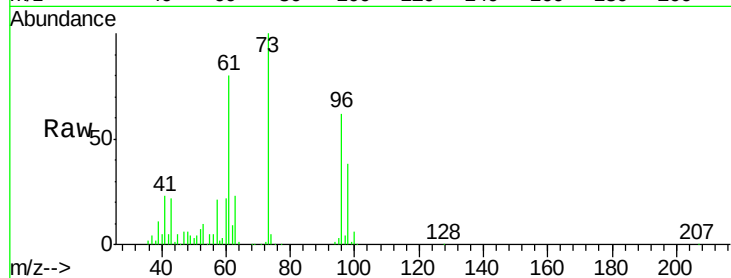
Tgt Ion: 96 Resp: 208542

Ion Ratio Lower Upper

96 100

61 130.2 104.7 157.1

98 61.2 49.4 74.2

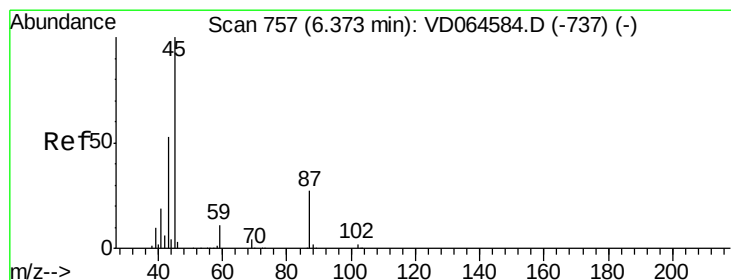
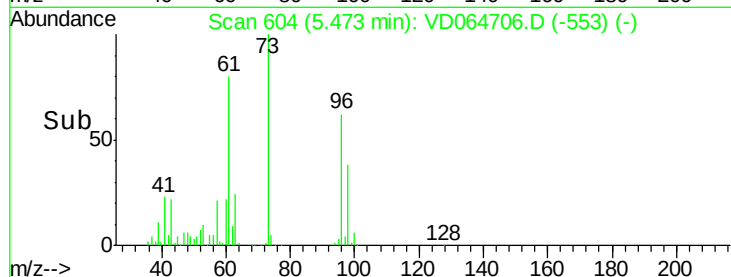
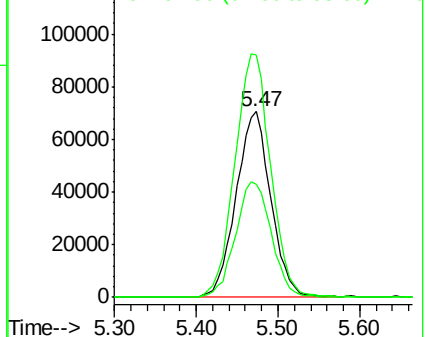


Abundance

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: 57.751 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion: 45 Resp: 619974

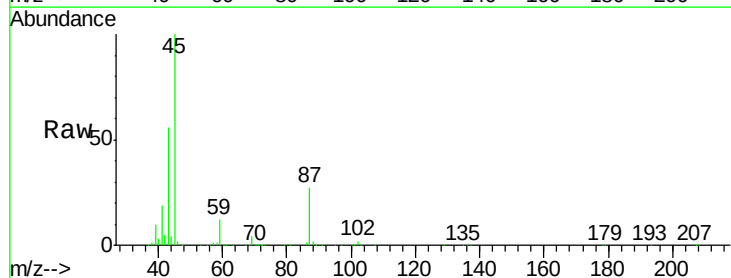
Ion Ratio Lower Upper

45 100

43 55.1 43.2 64.8

87 27.4 21.9 32.9

59 11.6 9.0 13.4



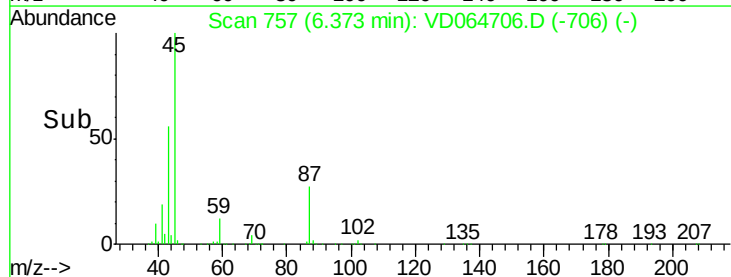
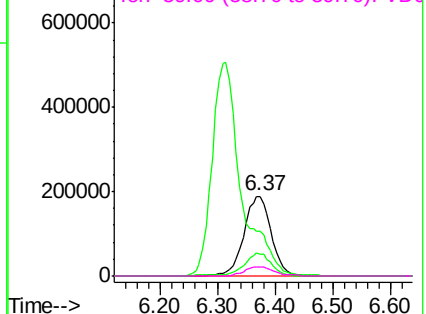
Abundance

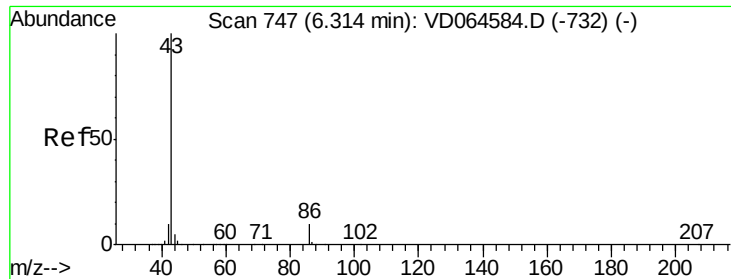
Ion 45.00 (44.70 to 45.70): VDC

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: 292.041 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

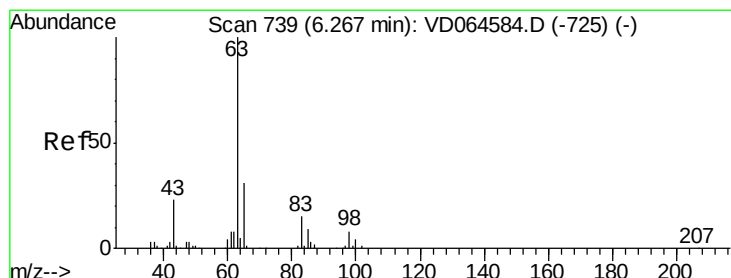
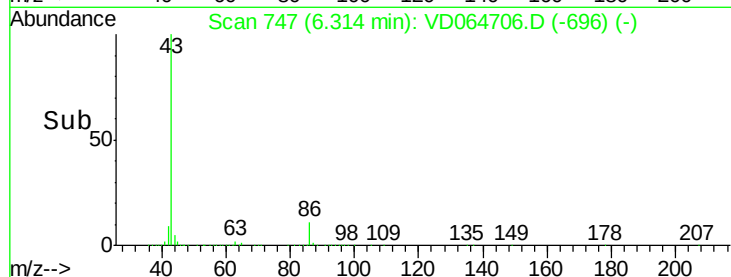
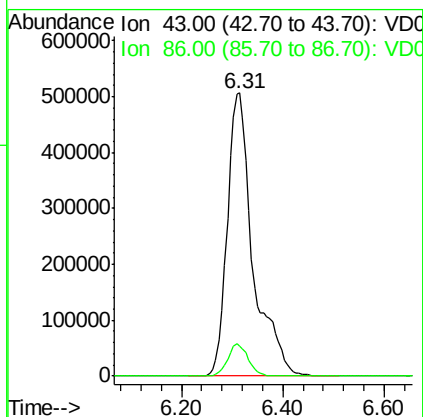
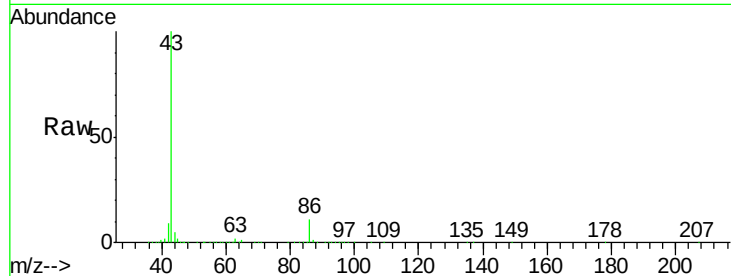
VSTDCCC050EC

Tgt Ion: 43 Resp: 1778436

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 56.276 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

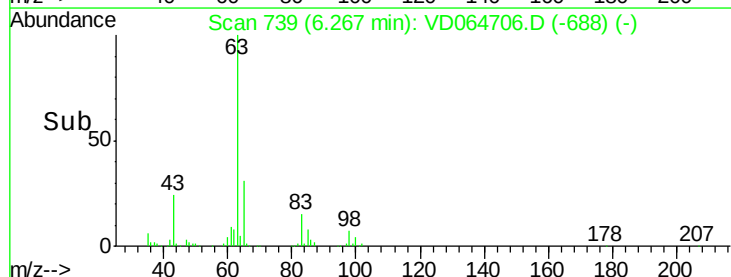
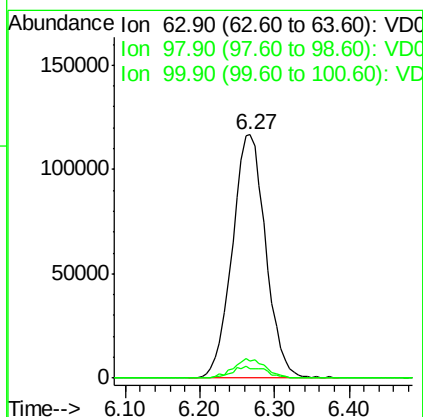
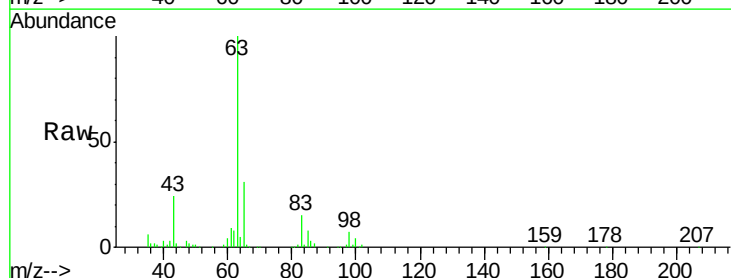
Tgt Ion: 63 Resp: 362684

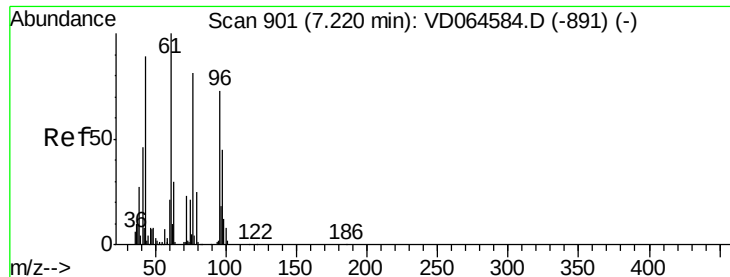
Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 280.727 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

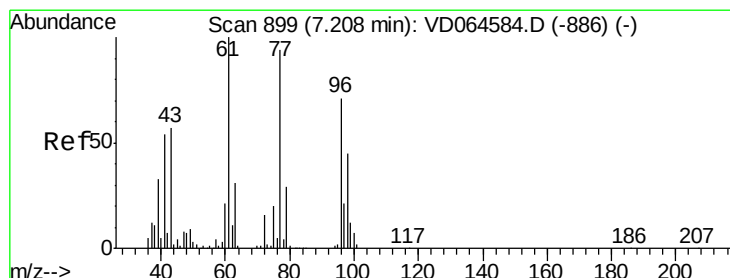
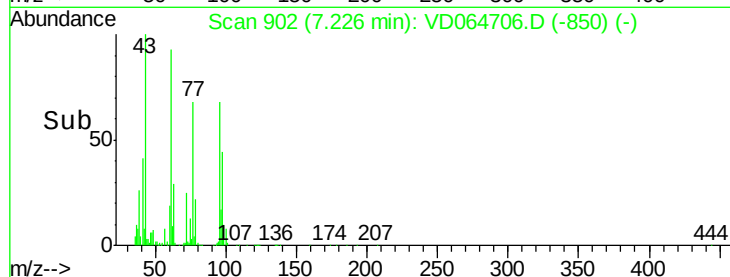
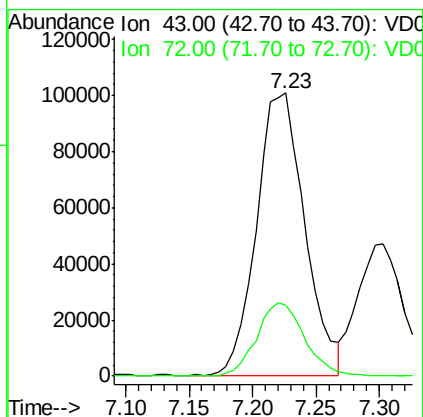
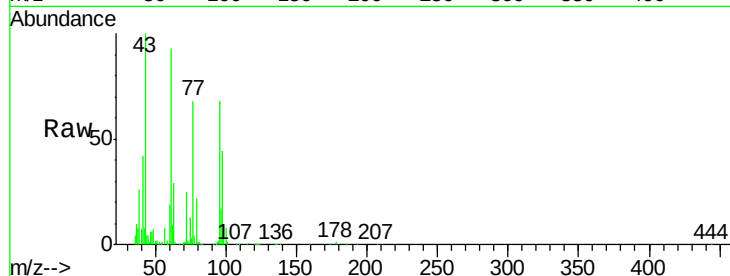
VSTDCCC050EC

Tgt Ion: 43 Resp: 266984

Ion Ratio Lower Upper

43 100

72 25.0 20.7 31.1



#26

2,2-Dichloropropane

Concen: 47.872 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064706.D

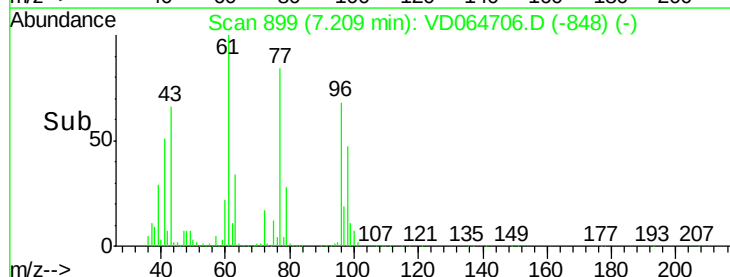
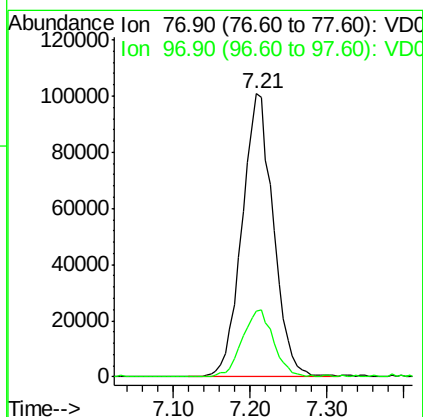
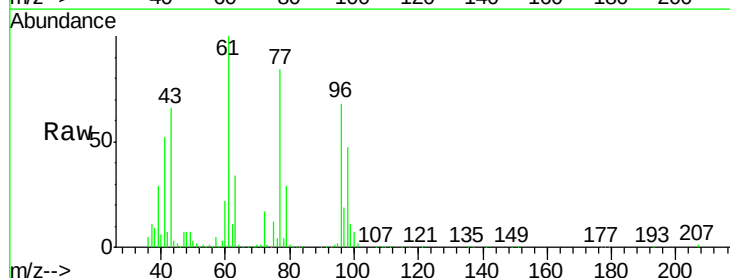
Acq: 31 Dec 2019 20:33

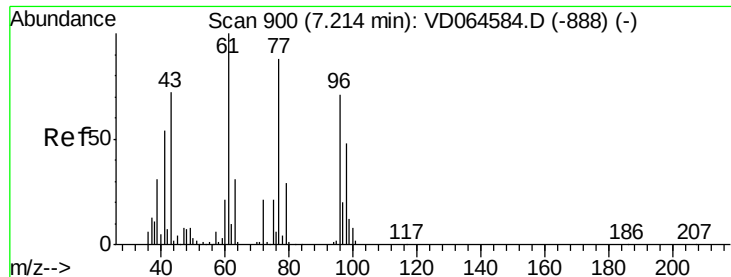
Tgt Ion: 77 Resp: 286847

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 55.761 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

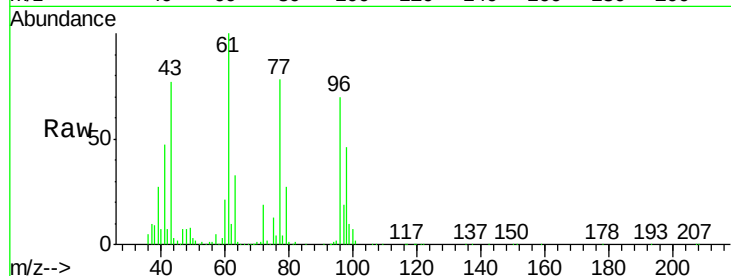
Tgt Ion: 96 Resp: 236586

Ion Ratio Lower Upper

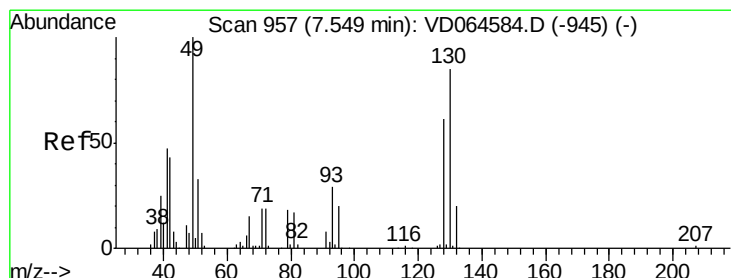
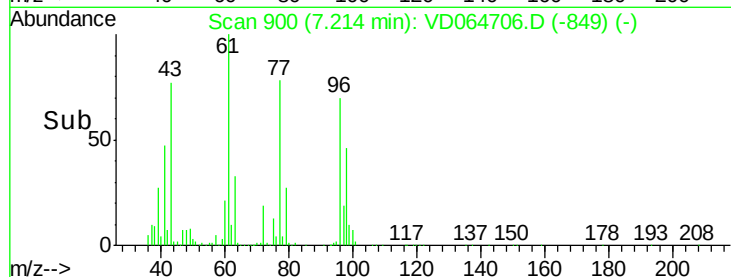
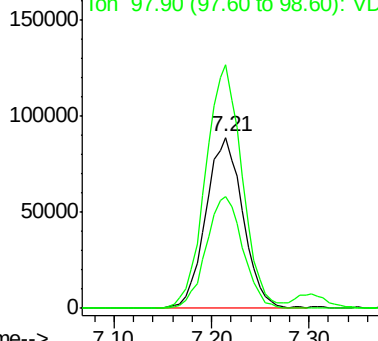
96 100

61 140.4 0.0 282.6

98 64.5 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: 61.938 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

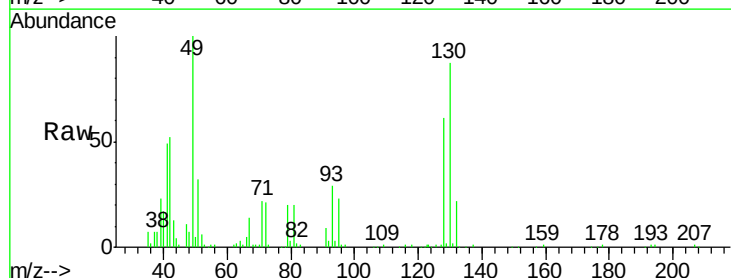
Tgt Ion: 49 Resp: 155169

Ion Ratio Lower Upper

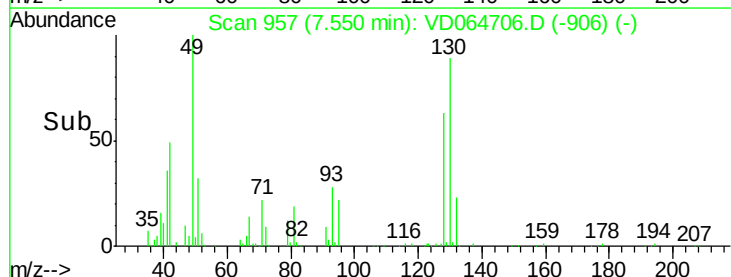
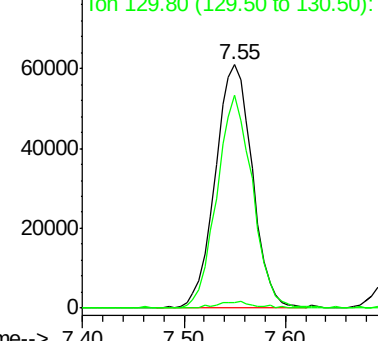
49 100

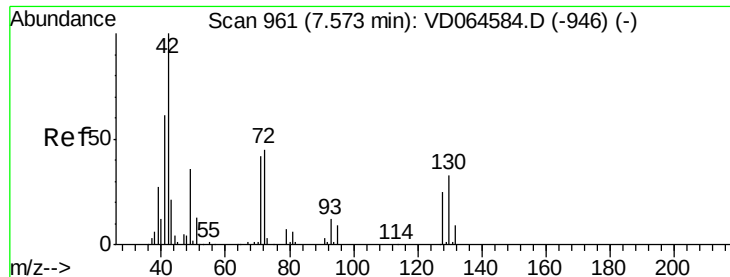
129 2.7 0.0 4.8

130 84.6 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: 290.899 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

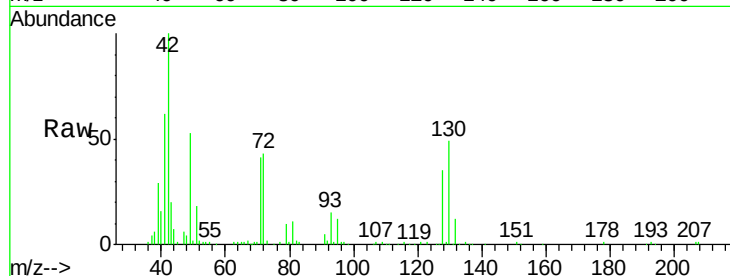
Tgt Ion: 42 Resp: 172047

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

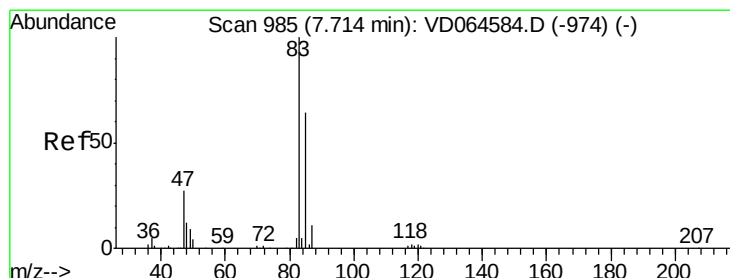
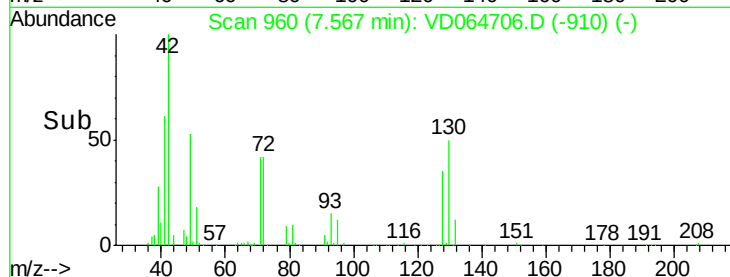
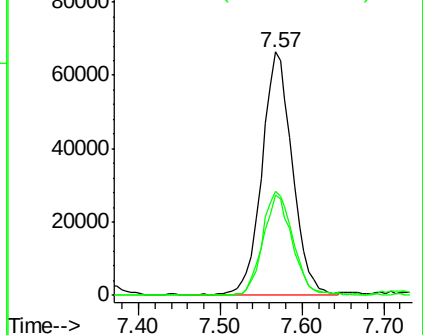
71 39.7 32.9 49.3



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: 56.777 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064706.D

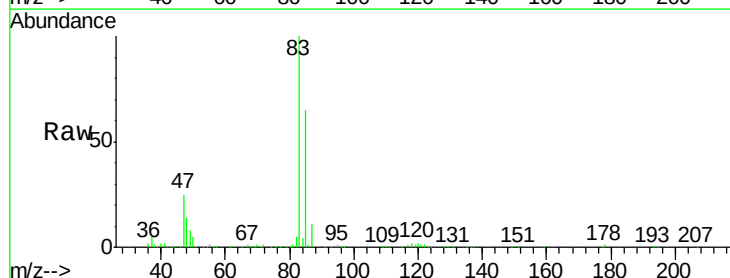
Acq: 31 Dec 2019 20:33

Tgt Ion: 83 Resp: 383904

Ion Ratio Lower Upper

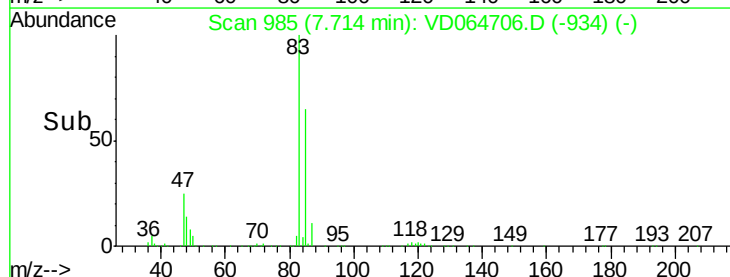
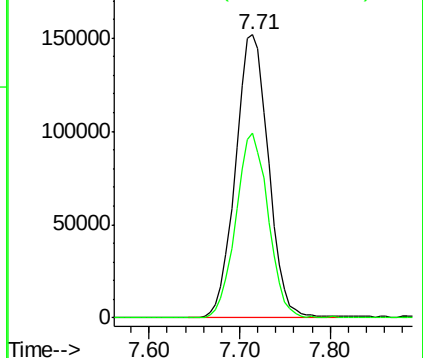
83 100

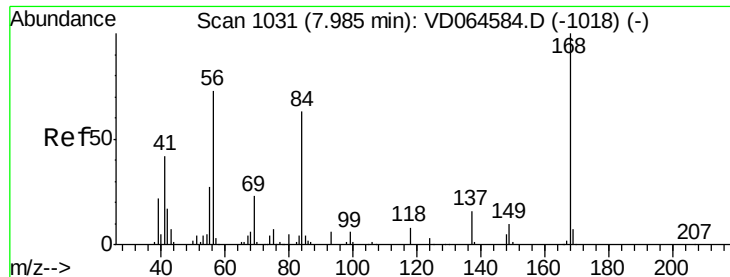
85 65.5 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

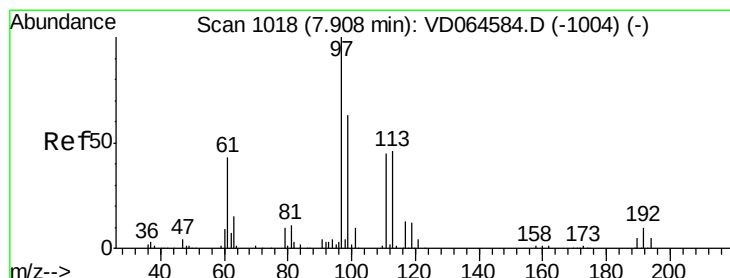
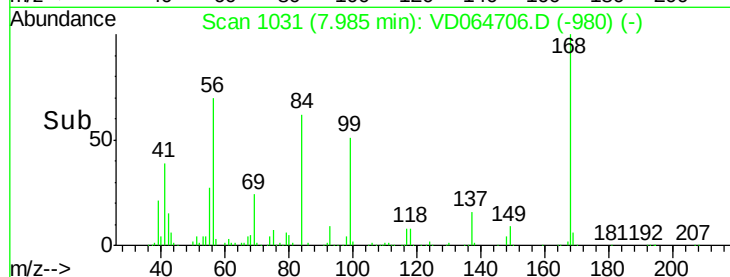
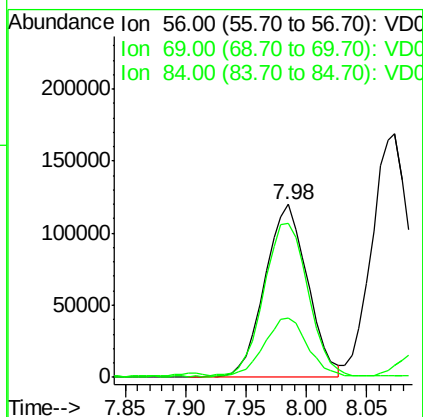
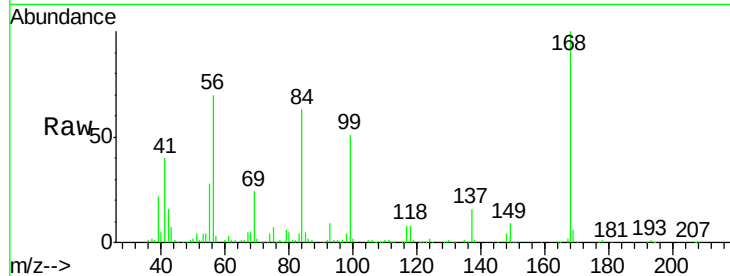




#31
Cyclohexane
Concen: 45.513 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

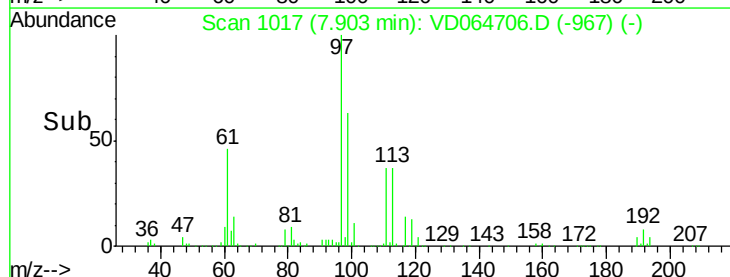
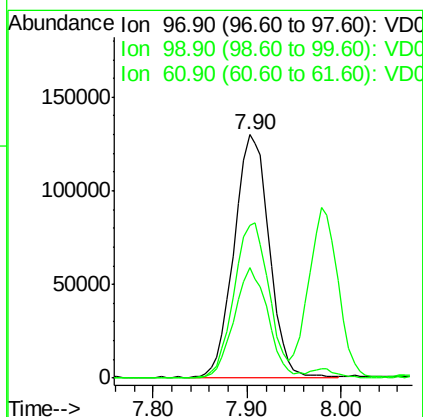
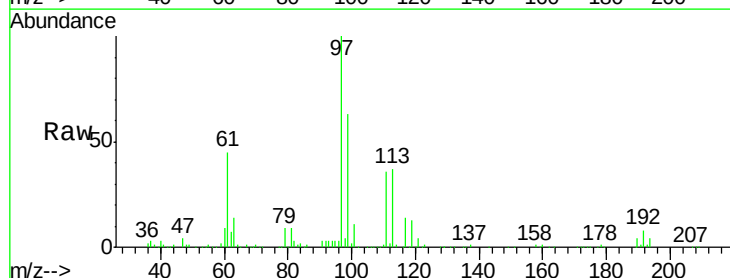
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

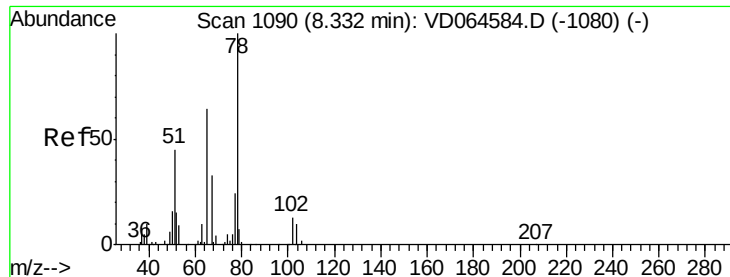
Tgt Ion: 56 Resp: 293614
Ion Ratio Lower Upper
56 100
69 33.6 24.7 37.1
84 86.5 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 52.694 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 97 Resp: 334657
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 44.4 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 54.332 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

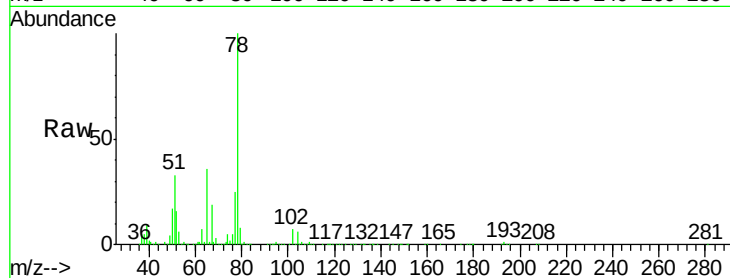
VSTDCCC050EC

Tgt Ion: 65 Resp: 187982

Ion Ratio Lower Upper

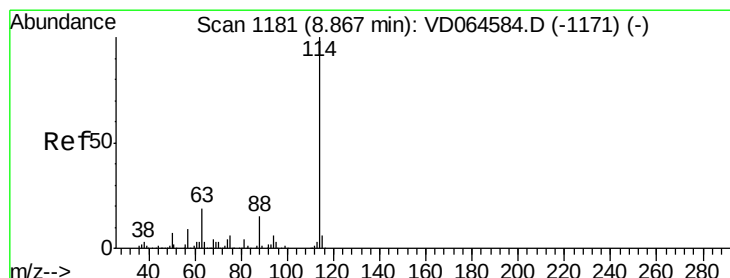
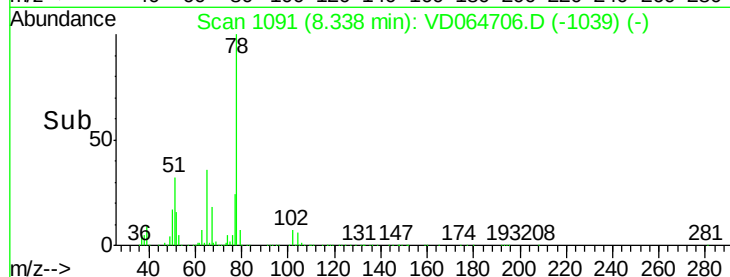
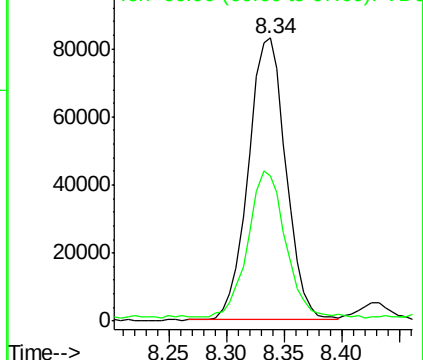
65 100

67 51.5 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: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

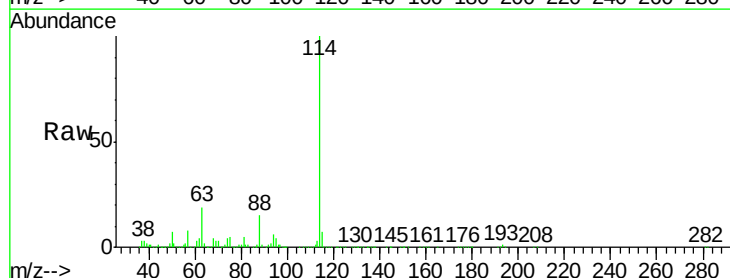
Tgt Ion: 114 Resp: 614040

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

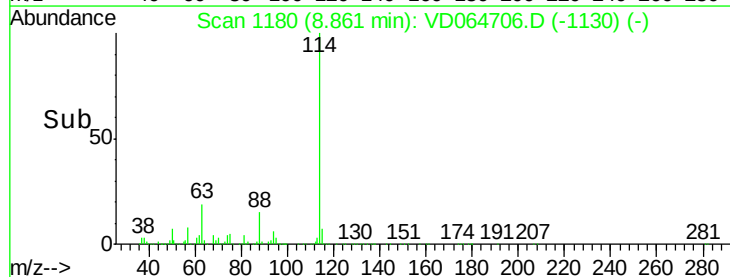
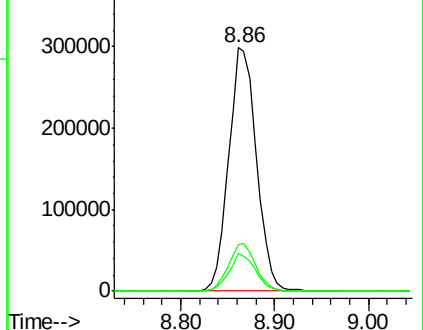
88 15.3 0.0 29.2

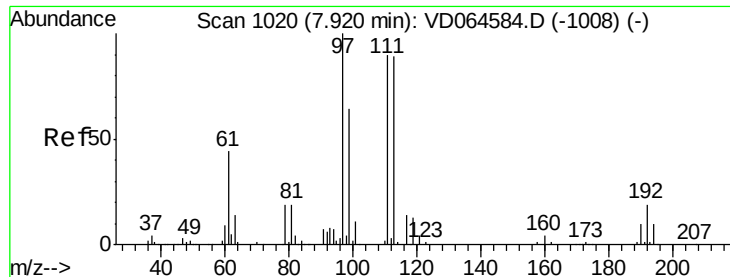


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

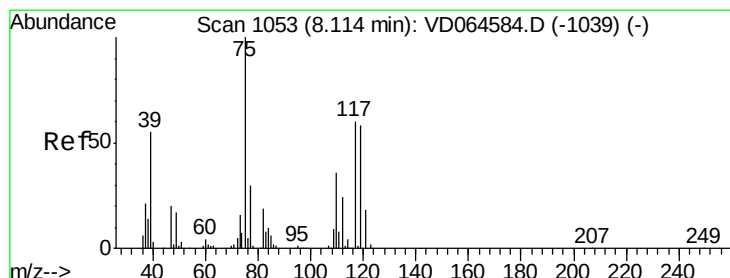
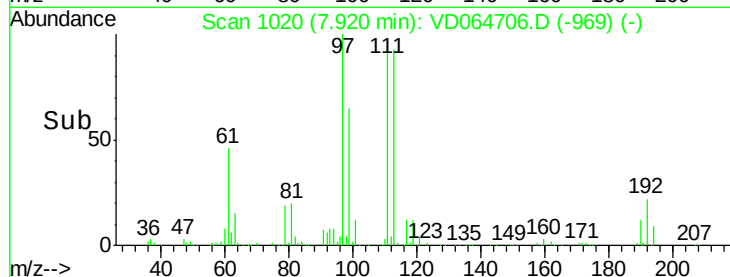
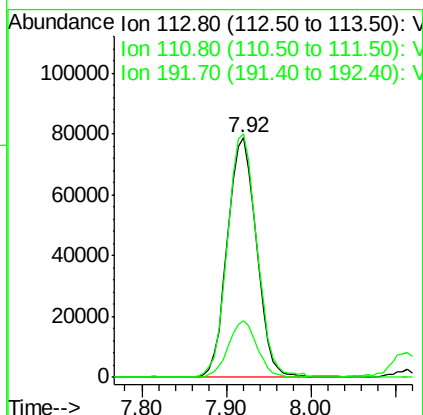
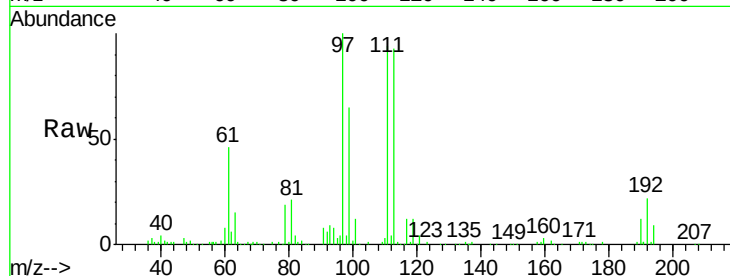




#35
 Dibromofluoromethane
 Concen: 49.734 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

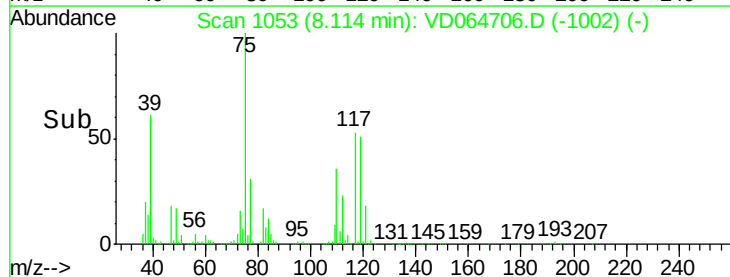
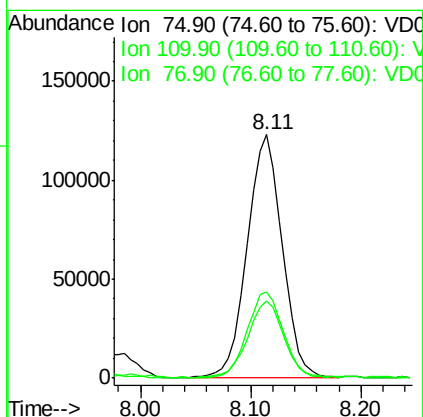
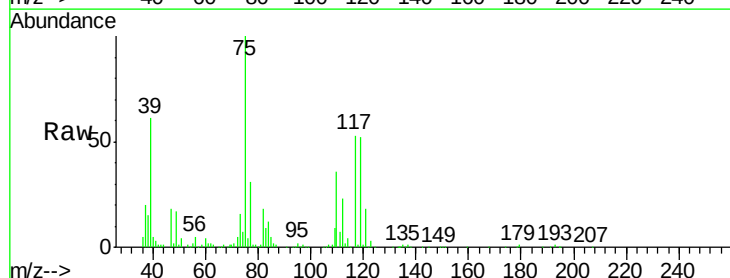
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

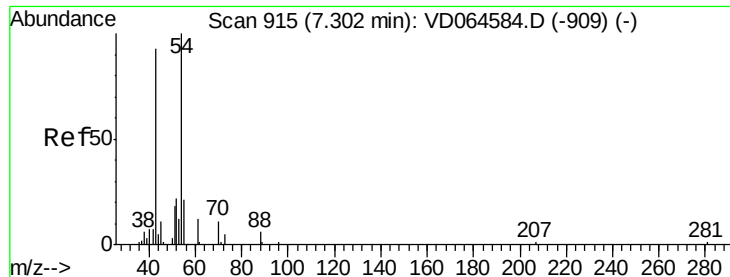
Tgt Ion: 113 Resp: 187359
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.6 121.0
 192 23.3 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 46.338 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 75 Resp: 273861
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.1
 77 32.0 24.2 36.4

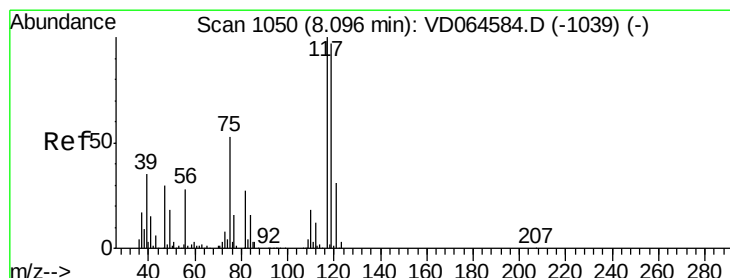
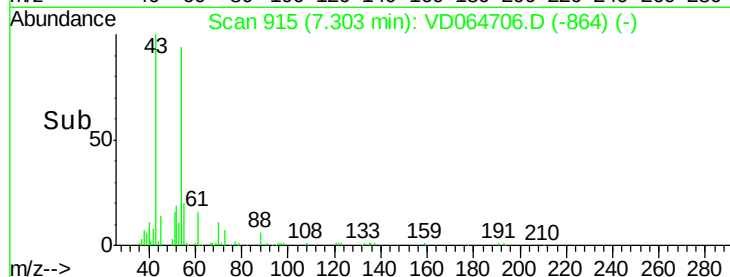
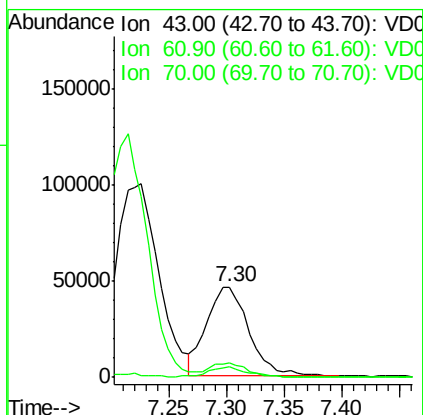
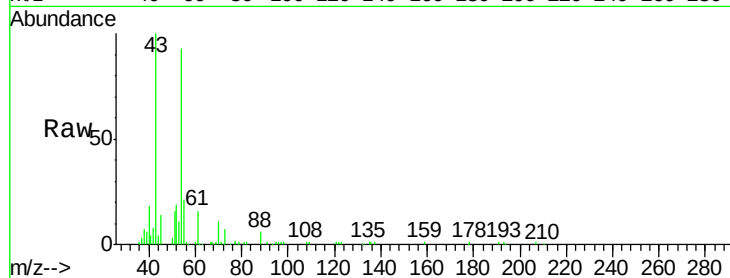




#37
Ethyl Acetate
Concen: 50.907 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

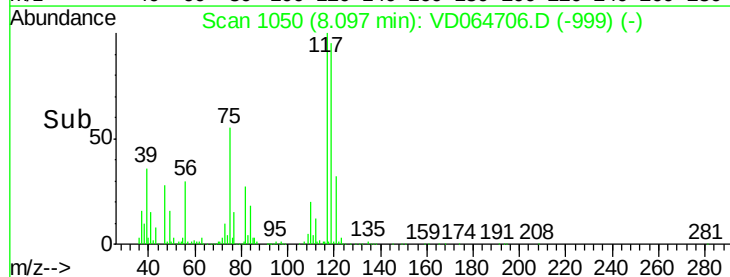
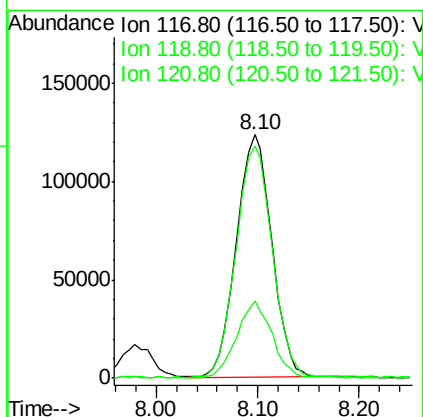
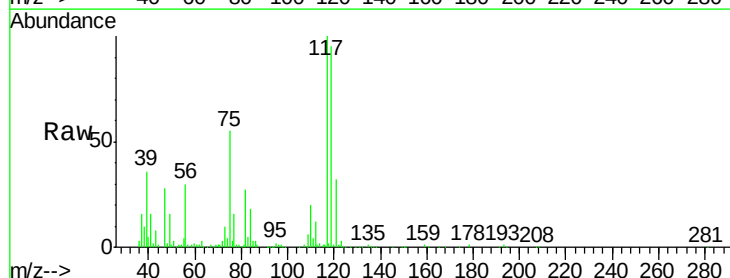
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

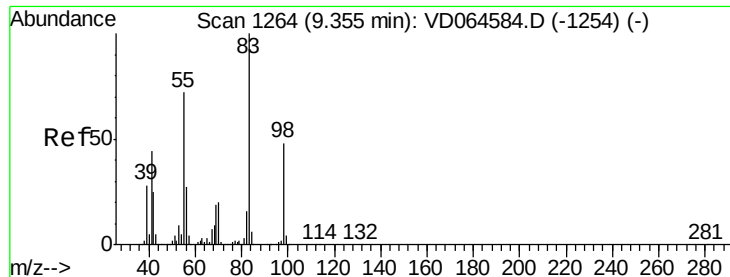
Tgt Ion: 43 Resp: 118196
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 47.611 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 117 Resp: 300042
Ion Ratio Lower Upper
117 100
119 95.3 77.3 115.9
121 31.7 25.0 37.6





#39

Methylcyclohexane

Concen: 45.005 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

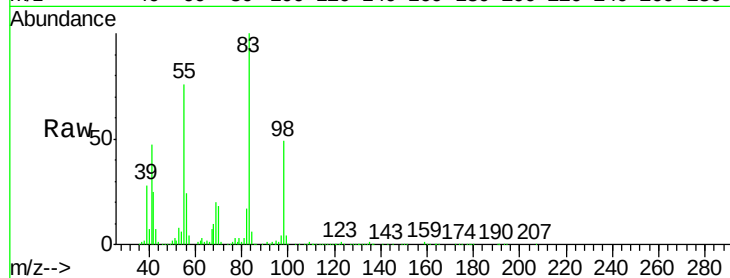
Tgt Ion: 83 Resp: 322152

Ion Ratio Lower Upper

83 100

55 74.8 57.8 86.6

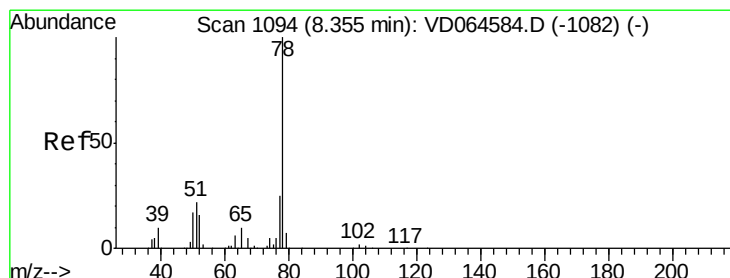
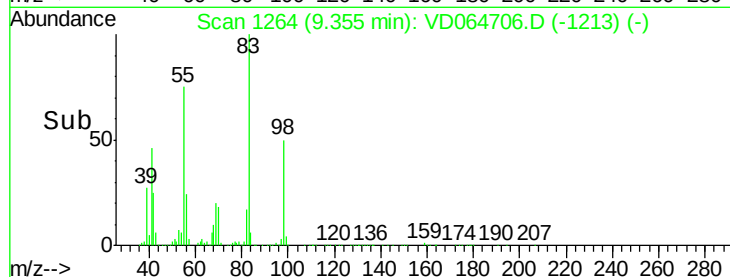
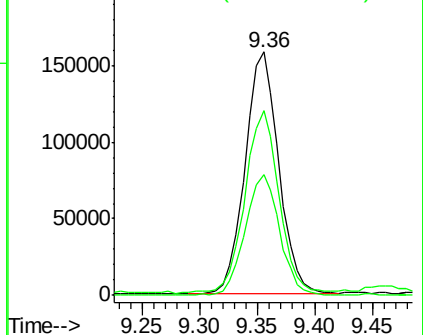
98 49.4 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 50.839 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD064706.D

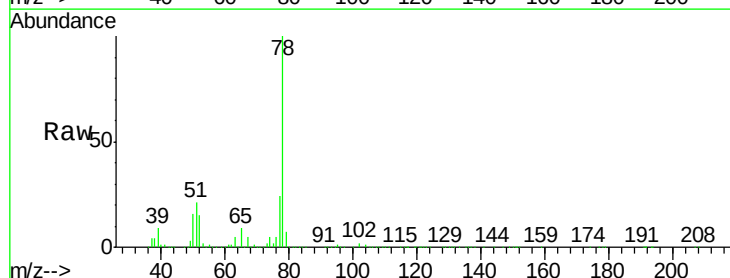
Acq: 31 Dec 2019 20:33

Tgt Ion: 78 Resp: 820237

Ion Ratio Lower Upper

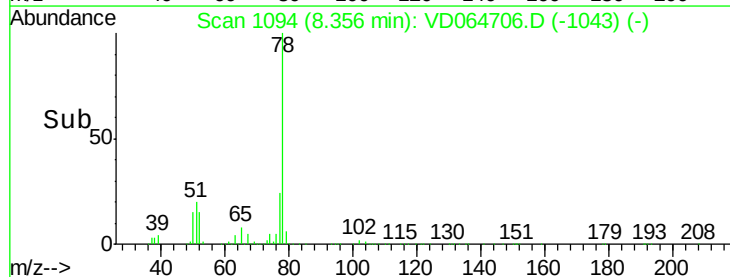
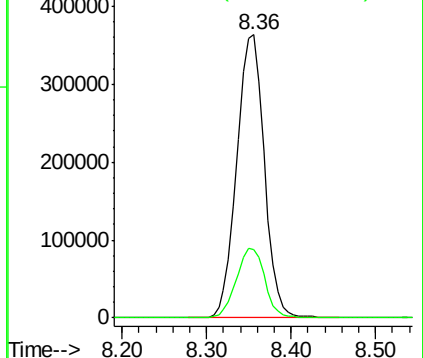
78 100

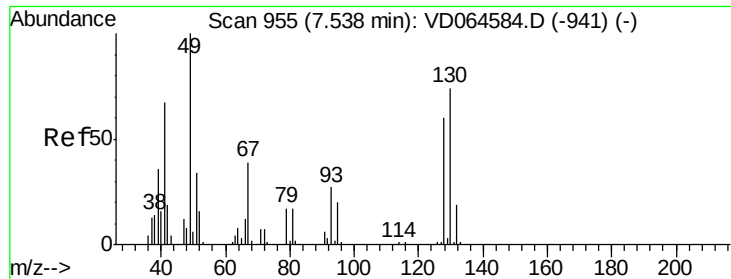
77 23.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

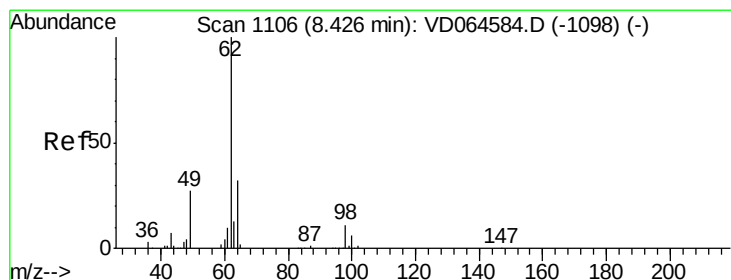
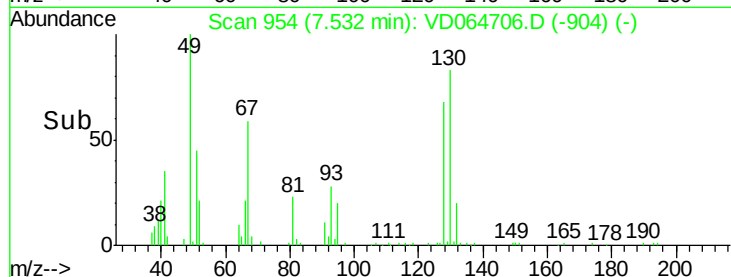
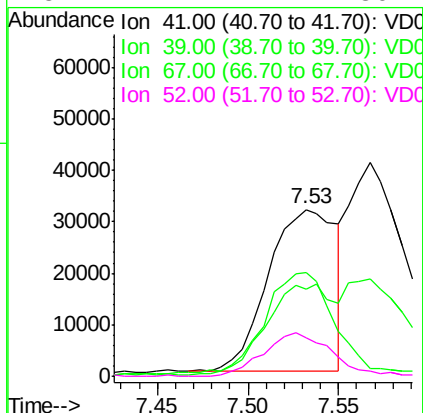
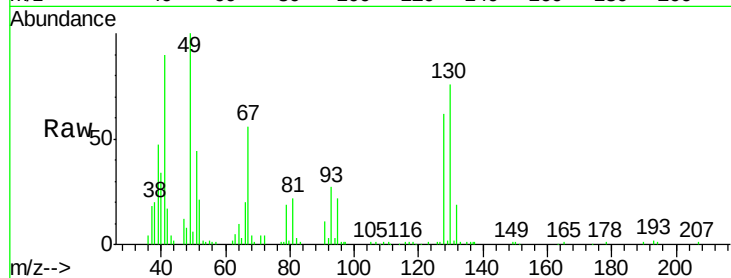




#41
Methacrylonitrile
Concen: 60.661 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

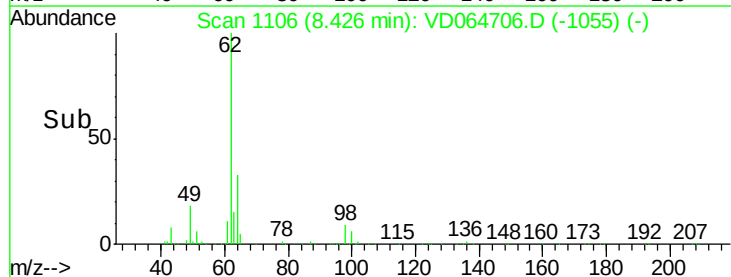
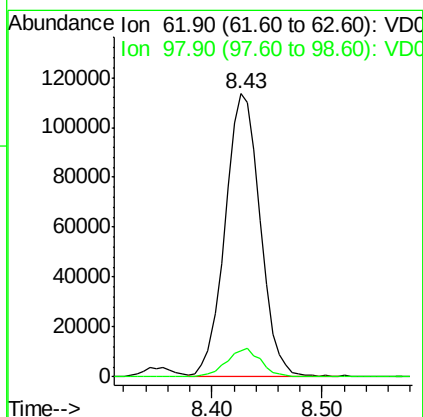
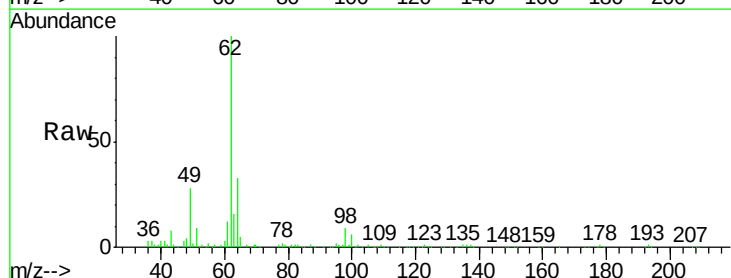
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

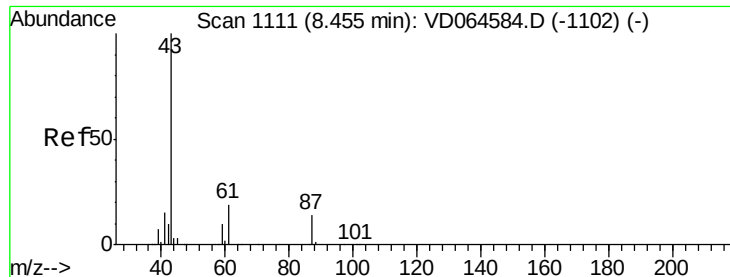
Tgt Ion:	41	Resp:	81717
Ion	Ratio	Lower	Upper
41	100		
39	56.4	46.7	70.1
67	64.6	52.5	78.7
52	27.2	24.1	36.1



#42
1,2-Dichloroethane
Concen: 53.936 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion:	62	Resp:	251466
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





#43

Isopropyl Acetate

Concen: 52.982 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

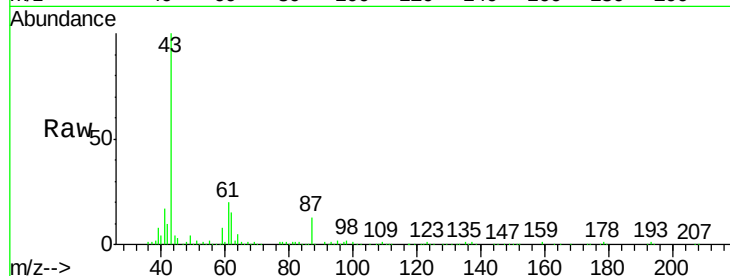
Tgt Ion: 43 Resp: 244846

Ion Ratio Lower Upper

43 100

61 29.7 23.7 35.5

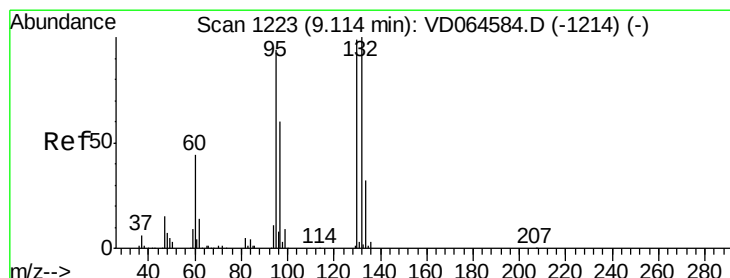
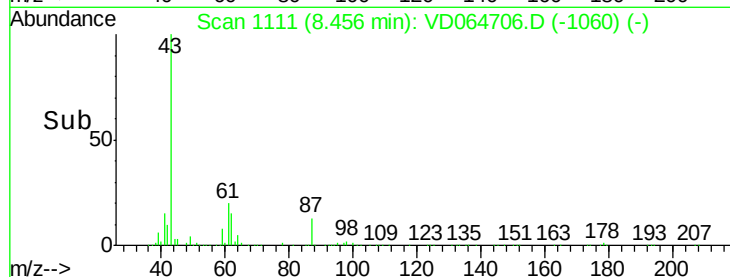
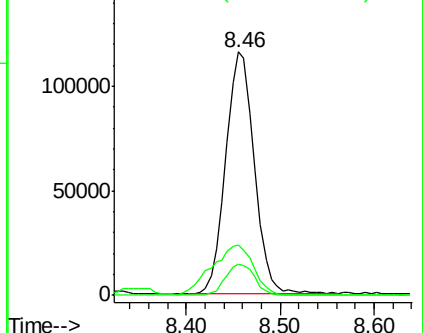
87 13.3 10.5 15.7



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: 49.987 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064706.D

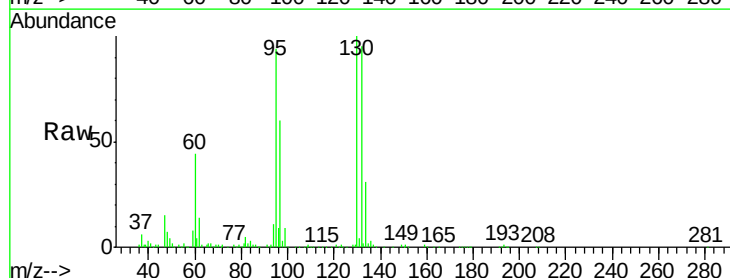
Acq: 31 Dec 2019 20:33

Tgt Ion: 130 Resp: 236924

Ion Ratio Lower Upper

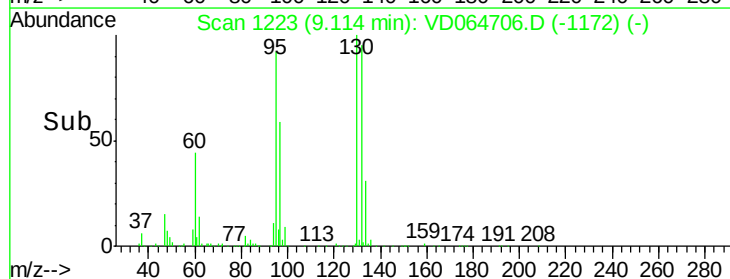
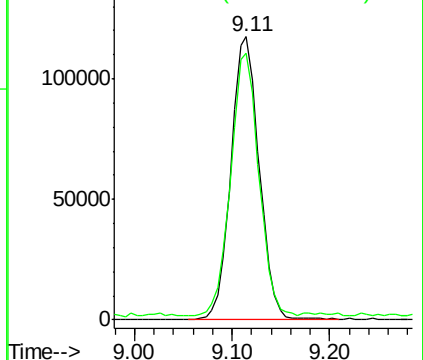
130 100

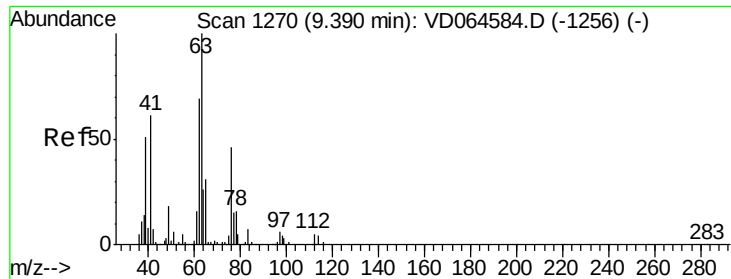
95 92.6 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

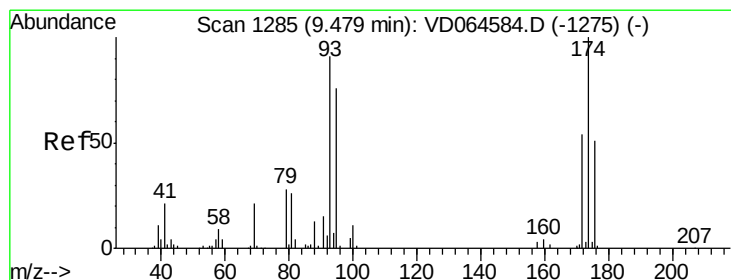
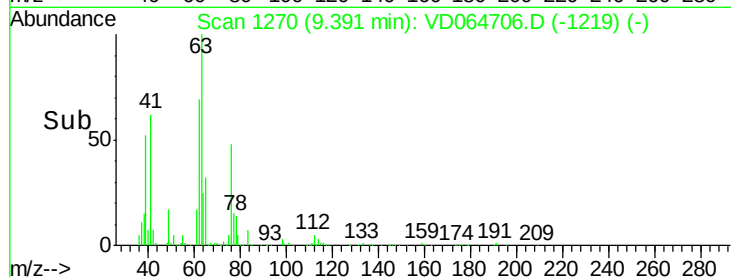
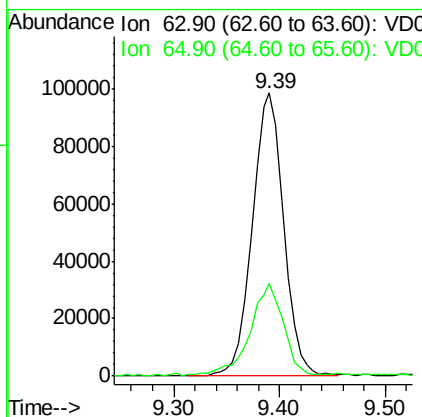
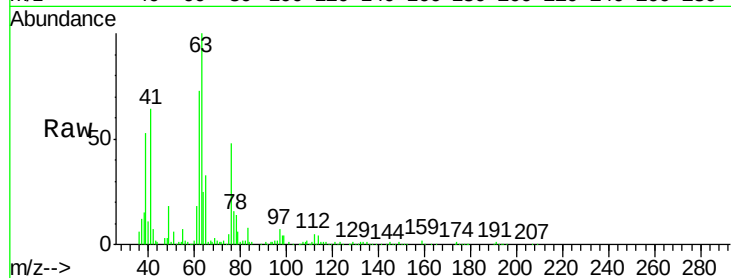




#45
 1,2-Dichloropropane
 Concen: 52.969 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

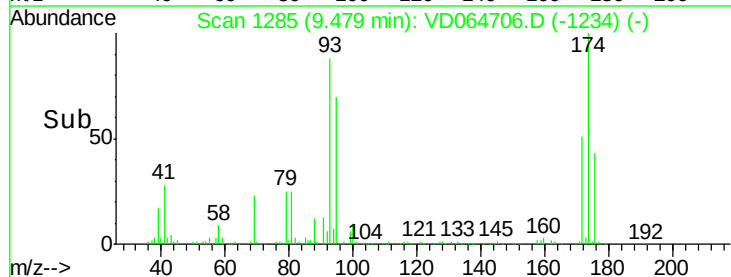
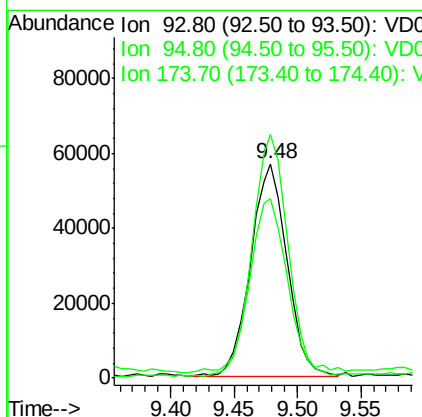
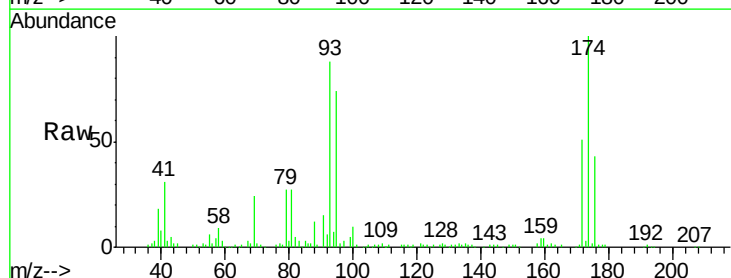
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

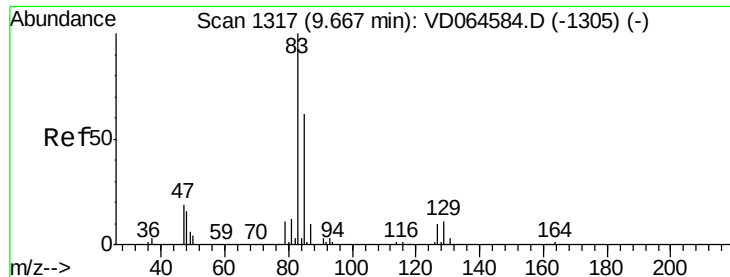
Tgt Ion: 63 Resp: 204046
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.2 37.8



#46
 Dibromomethane
 Concen: 52.853 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 93 Resp: 113514
 Ion Ratio Lower Upper
 93 100
 95 85.1 64.6 97.0
 174 112.5 88.1 132.1





#47

Bromodichloromethane

Concen: 53.043 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

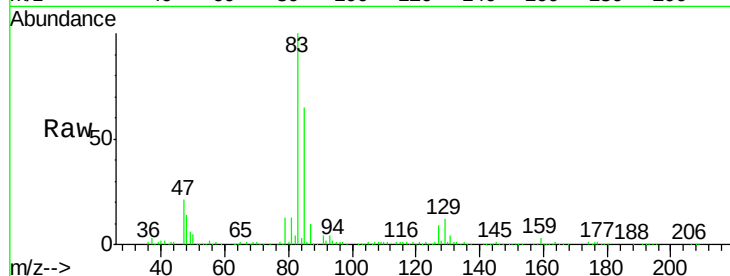
Tgt Ion: 83 Resp: 303142

Ion Ratio Lower Upper

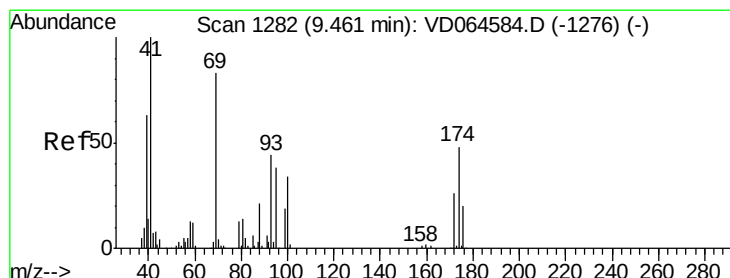
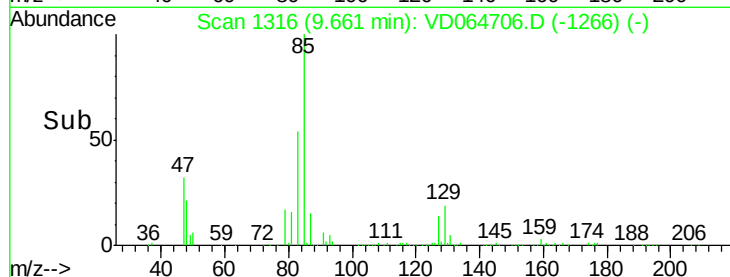
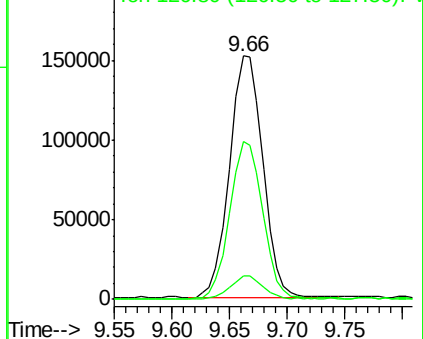
83 100

85 65.4 49.5 74.3

127 9.3 7.8 11.6



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



#48

Methyl methacrylate

Concen: 53.175 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

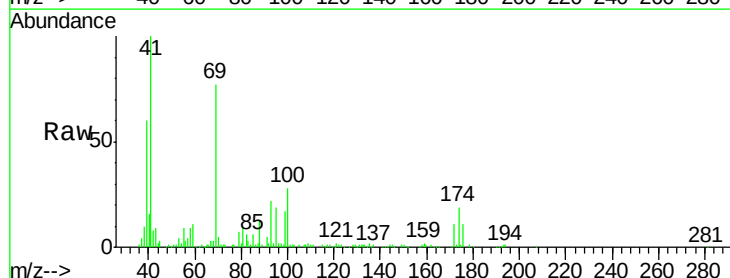
Tgt Ion: 41 Resp: 115708

Ion Ratio Lower Upper

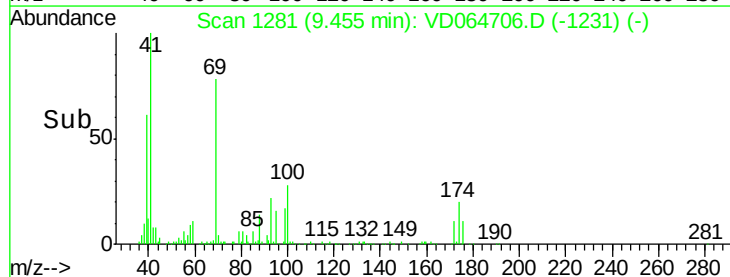
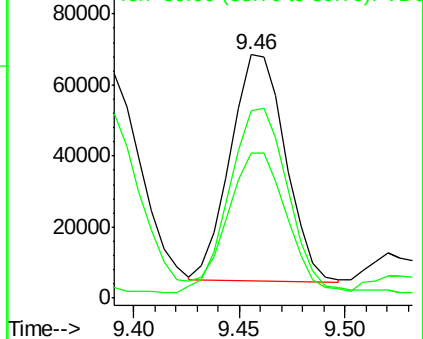
41 100

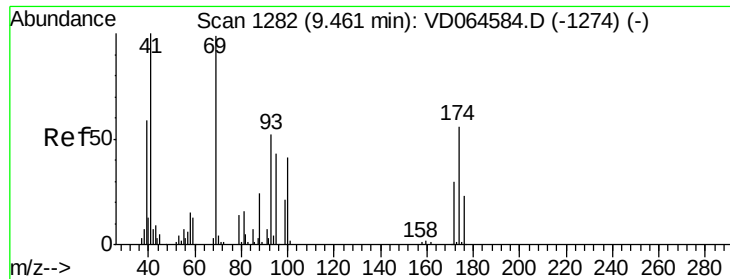
69 87.9 63.0 94.6

39 67.9 47.4 71.2



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

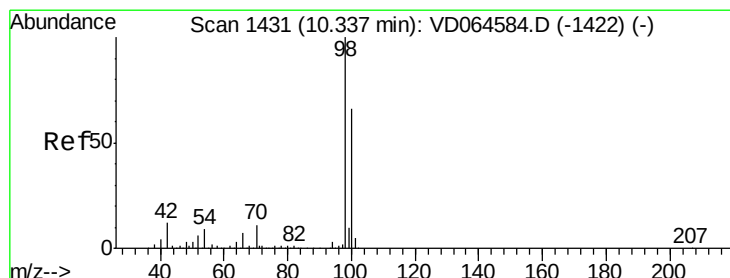
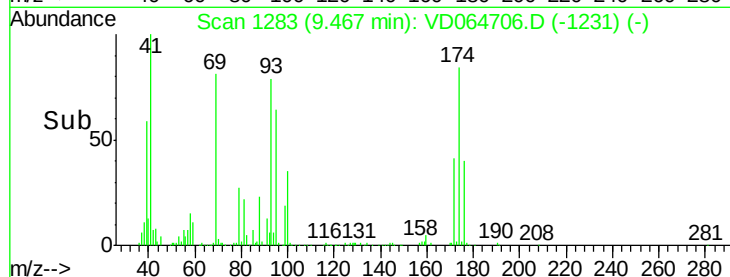
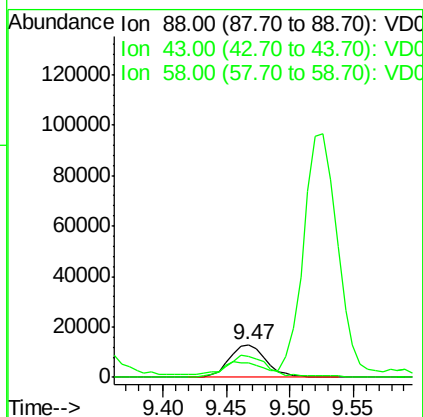
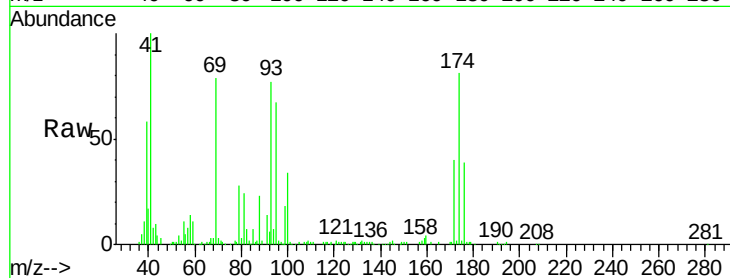




#49
1,4-Dioxane
Concen: 1055.934 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

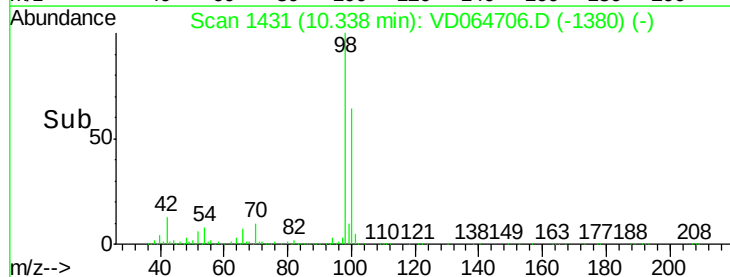
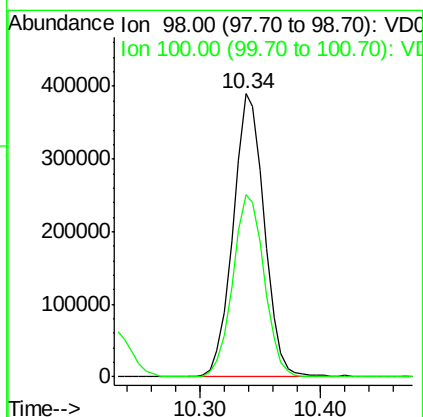
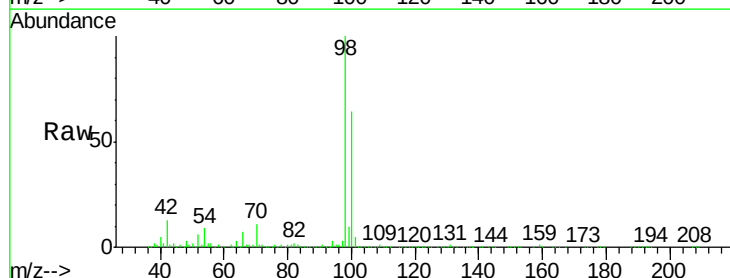
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

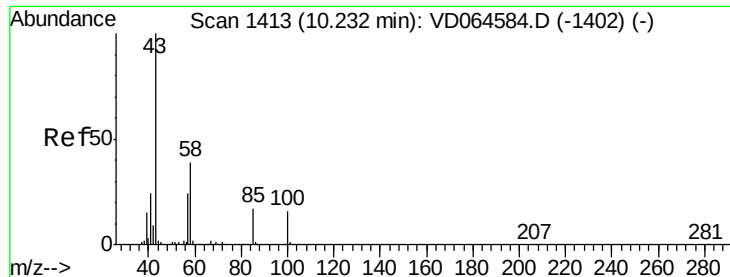
Tgt Ion: 88 Resp: 26150
Ion Ratio Lower Upper
88 100
43 37.4 27.7 41.5
58 77.0 53.8 80.6



#50
Toluene-d8
Concen: 48.692 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 98 Resp: 702530
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

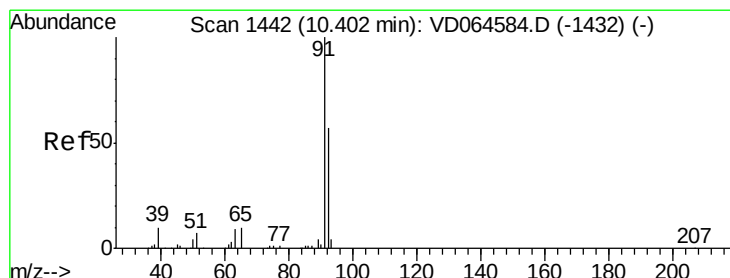
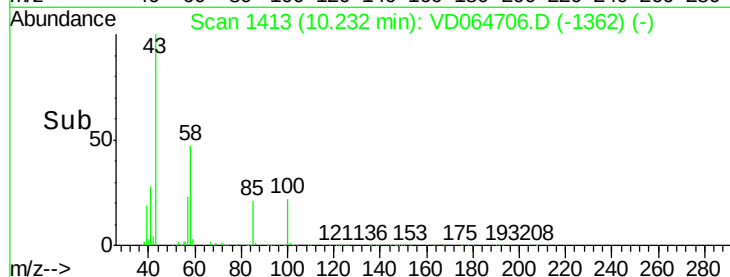
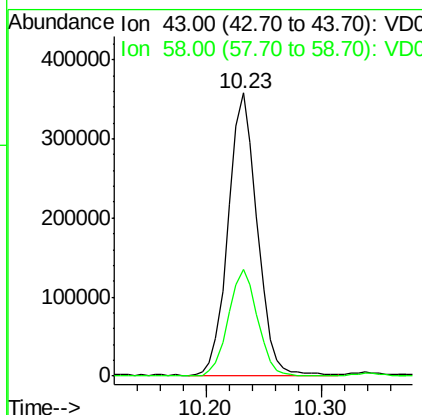
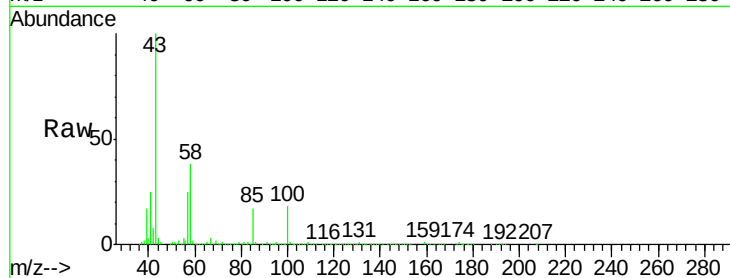




#51
 4-Methyl-2-Pentanone
 Concen: 270.836 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

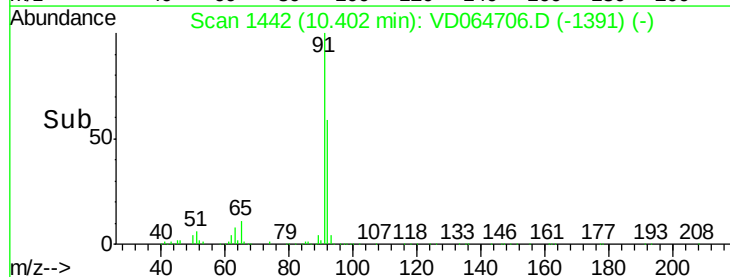
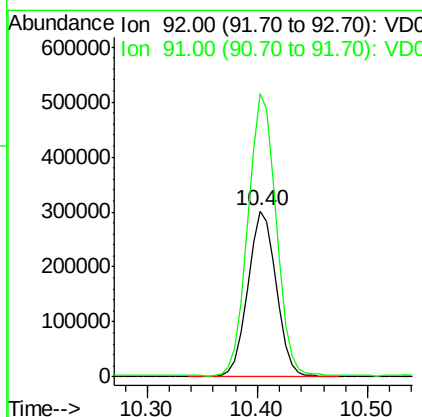
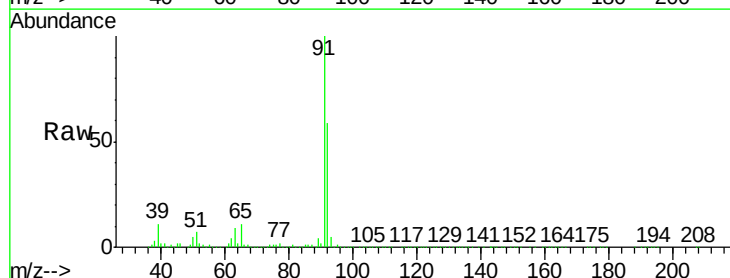
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

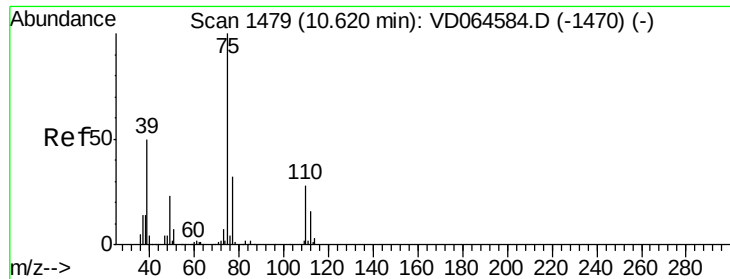
Tgt Ion: 43 Resp: 618651
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.2



#52
 Toluene
 Concen: 51.309 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 92 Resp: 543112
 Ion Ratio Lower Upper
 92 100
 91 170.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 54.114 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

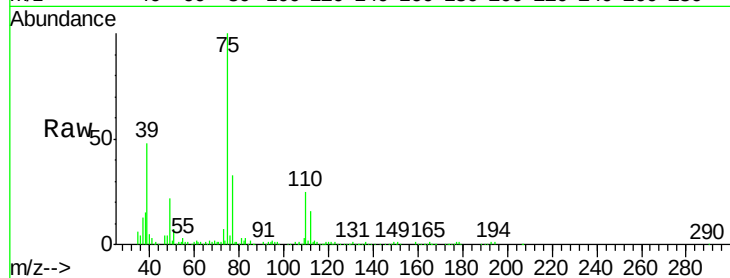
VSTDCCC050EC

Tgt Ion: 75 Resp: 288335

Ion Ratio Lower Upper

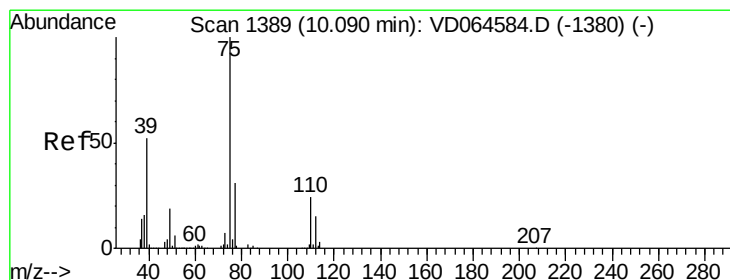
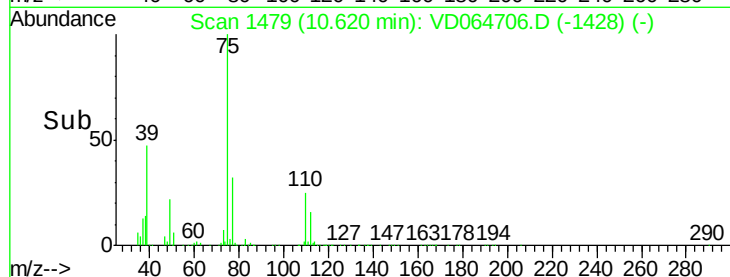
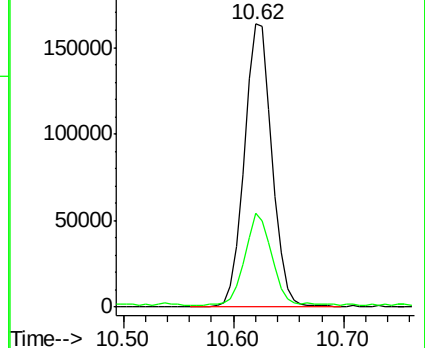
75 100

77 32.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.652 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

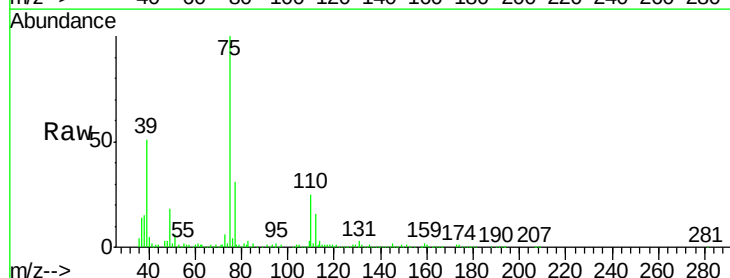
Tgt Ion: 75 Resp: 337082

Ion Ratio Lower Upper

75 100

77 30.3 24.6 36.8

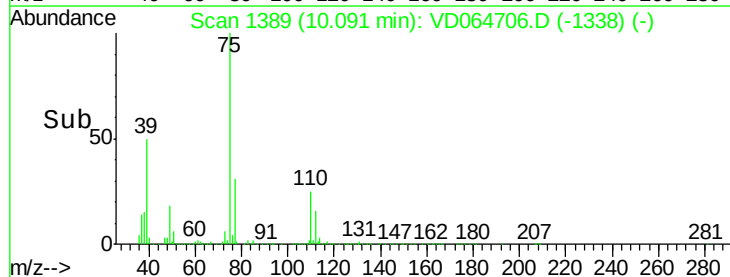
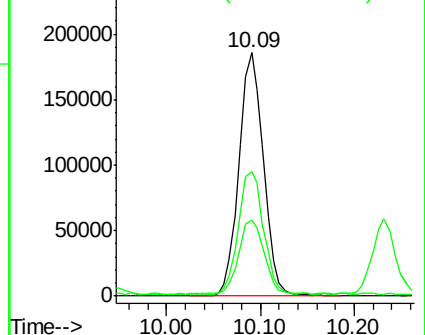
39 50.2 41.4 62.2

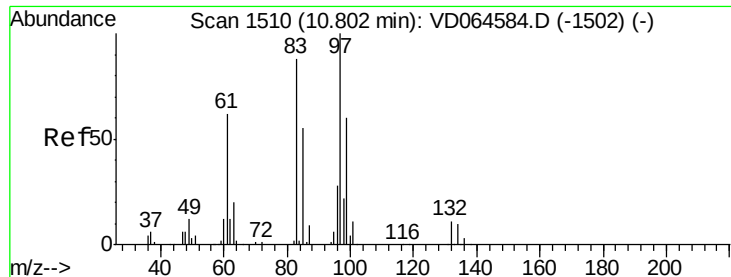


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

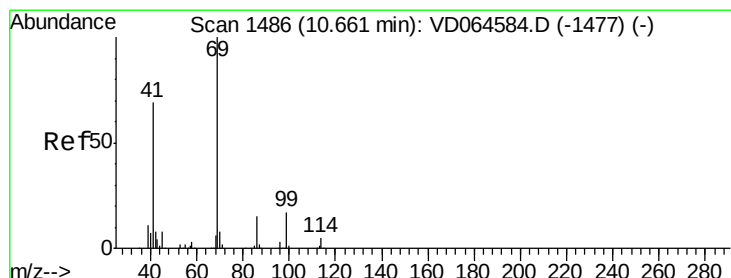
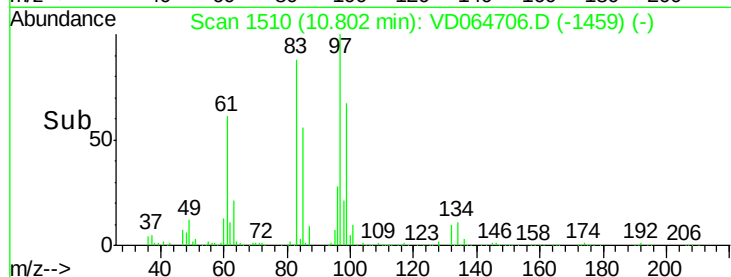
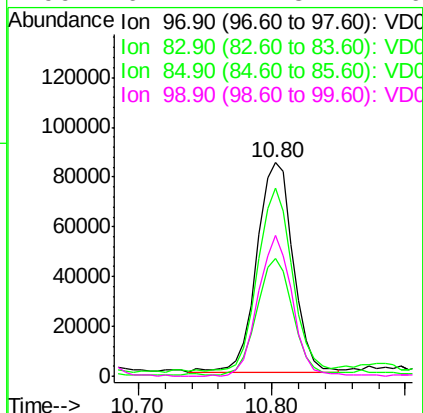
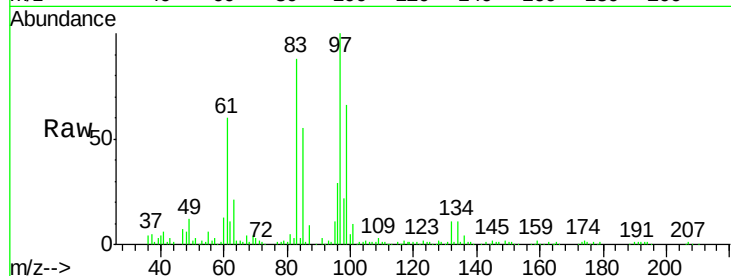




#55
 1,1,2-Trichloroethane
 Concen: 54.393 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

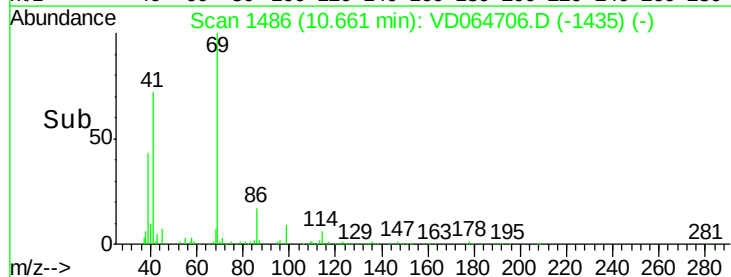
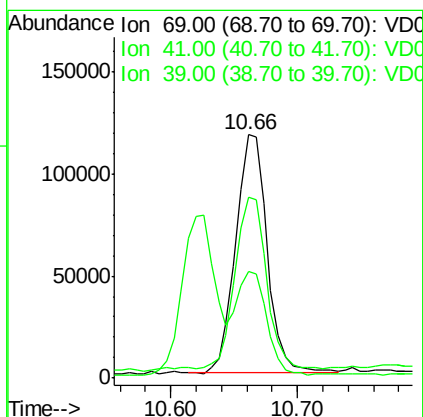
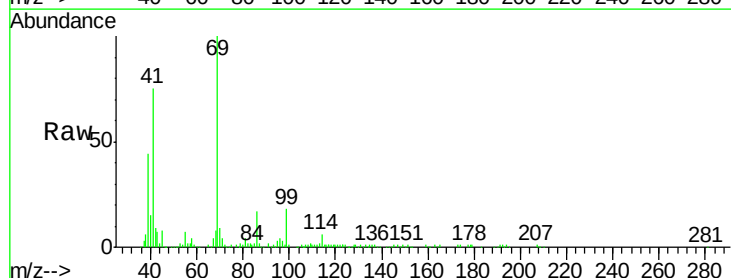
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

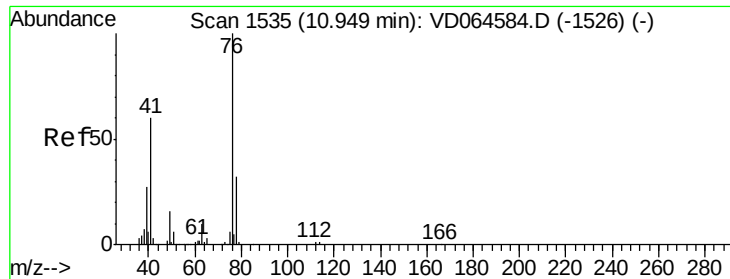
Tgt Ion: 97 Resp: 157438
 Ion Ratio Lower Upper
 97 100
 83 87.5 70.2 105.4
 85 55.2 44.0 66.0
 99 67.1 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 55.672 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 69 Resp: 201242
 Ion Ratio Lower Upper
 69 100
 41 72.0 55.3 82.9
 39 42.2 33.8 50.8





#57

1,3-Dichloropropane

Concen: 54.950 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

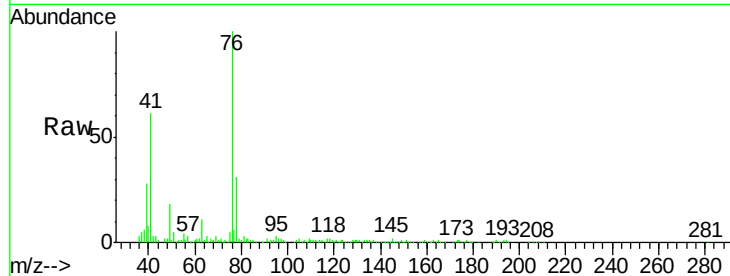
VSTDCCC050EC

Tgt Ion: 76 Resp: 273853

Ion Ratio Lower Upper

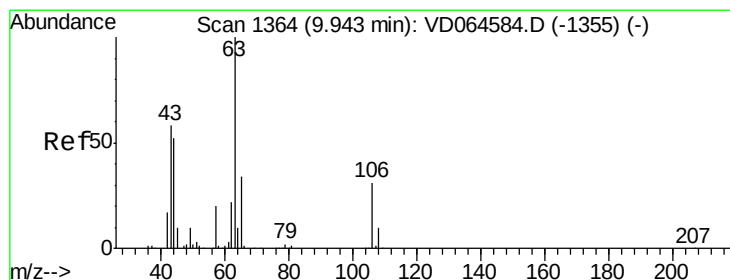
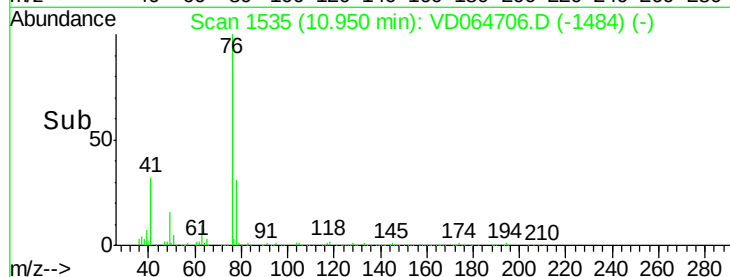
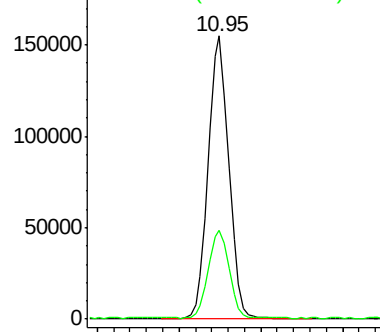
76 100

78 31.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.477 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064706.D

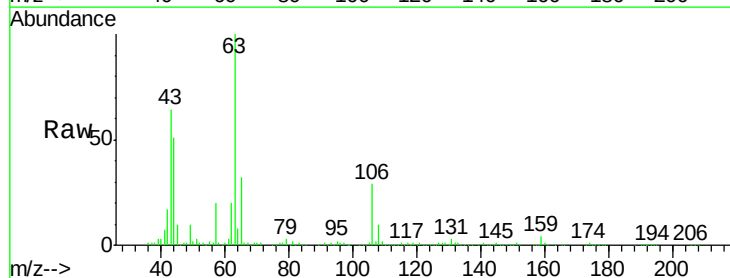
Acq: 31 Dec 2019 20:33

Tgt Ion: 63 Resp: 336694

Ion Ratio Lower Upper

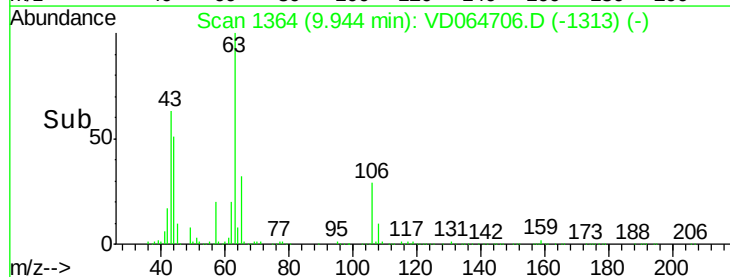
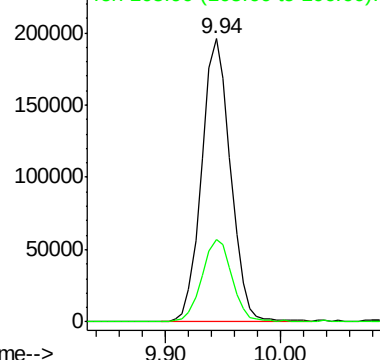
63 100

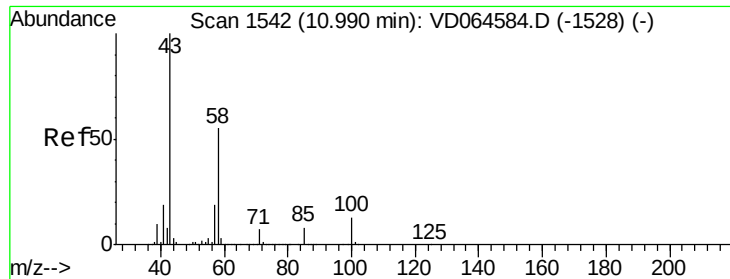
106 31.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 274.829 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

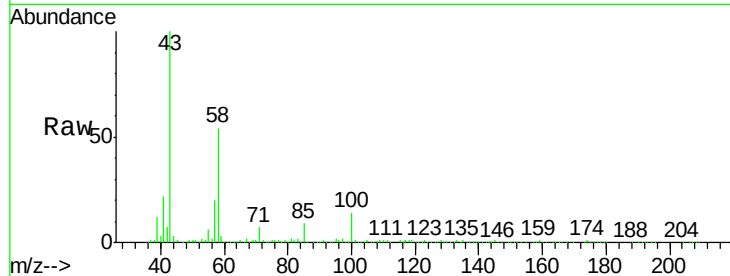
VSTDCCC050EC

Tgt Ion: 43 Resp: 426083

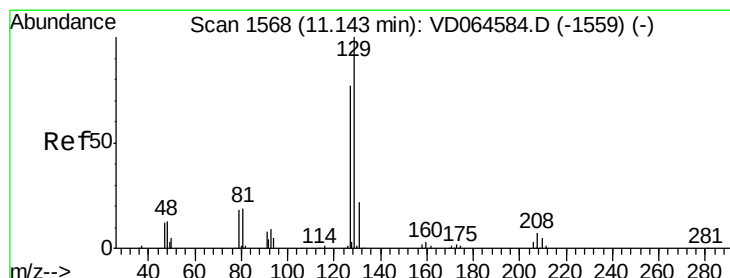
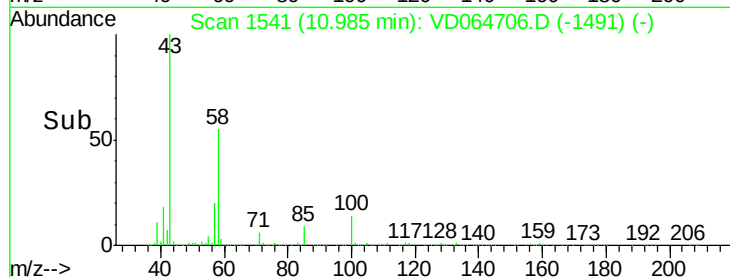
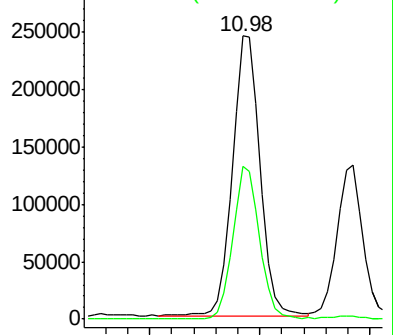
Ion Ratio Lower Upper

43 100

58 52.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VD064584.D (-1528) (-)



#60

Dibromochloromethane

Concen: 54.626 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064706.D

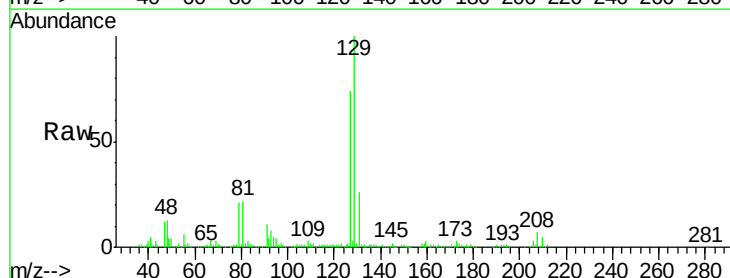
Acq: 31 Dec 2019 20:33

Tgt Ion: 129 Resp: 218647

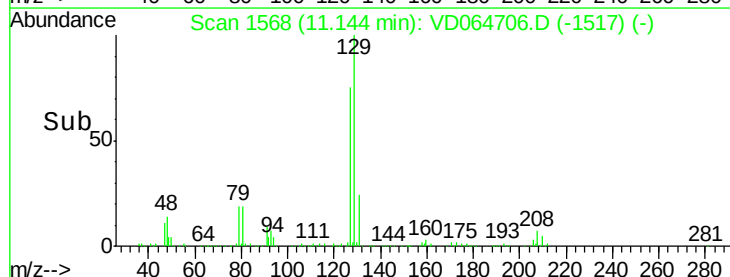
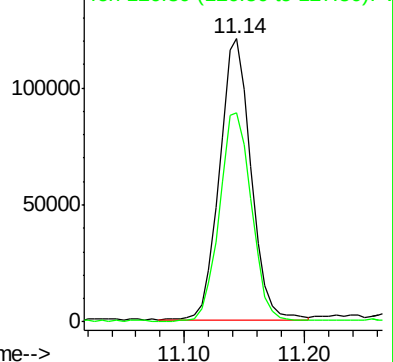
Ion Ratio Lower Upper

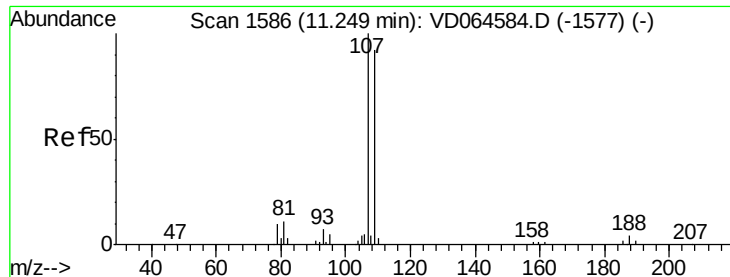
129 100

127 75.0 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): VD064584.D (-1559) (-)

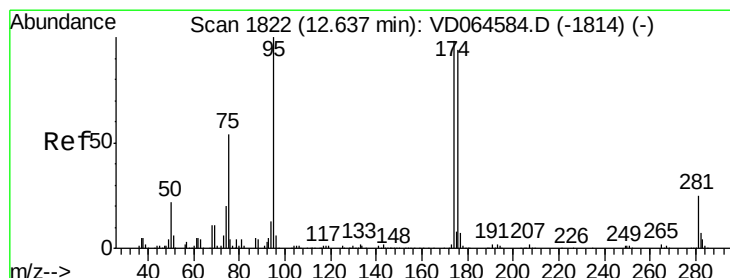
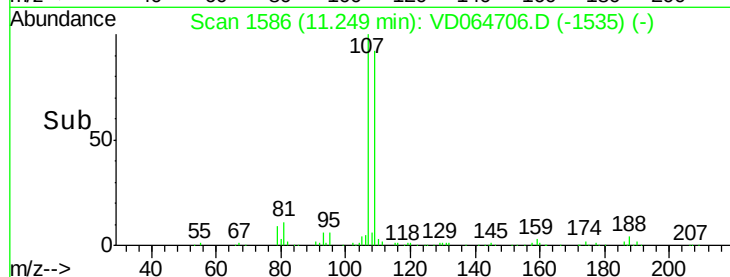
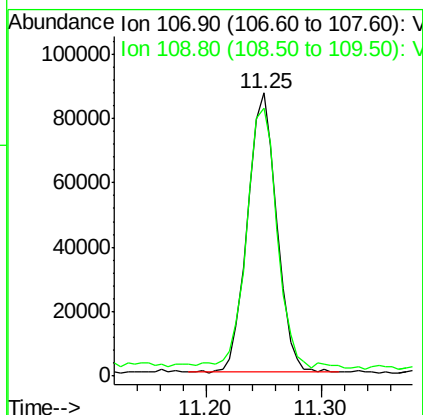
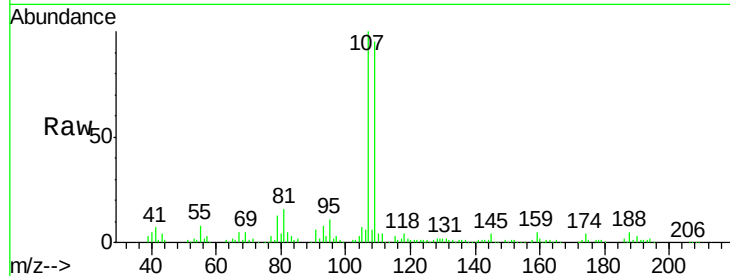




#61
 1,2-Dibromoethane
 Concen: 53.752 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

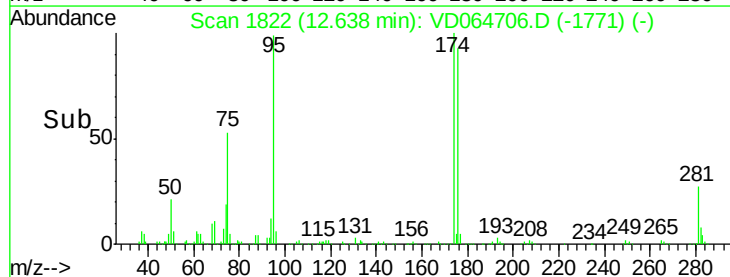
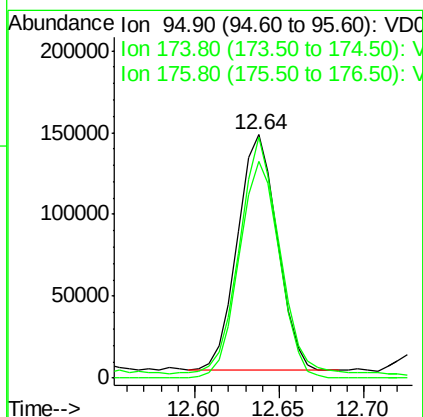
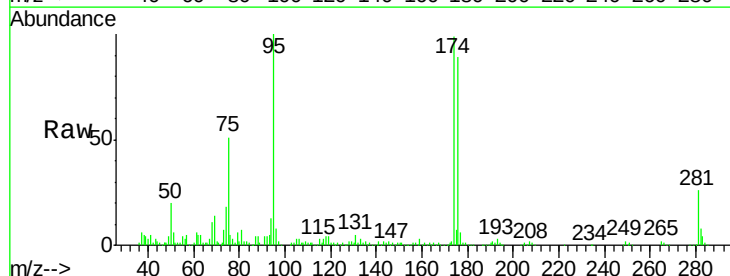
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

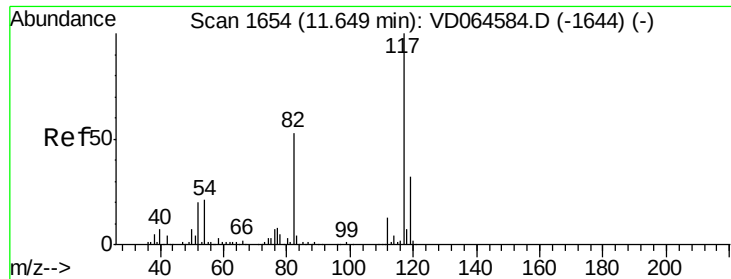
Tgt Ion: 107 Resp: 153453
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.908 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion: 95 Resp: 236819
 Ion Ratio Lower Upper
 95 100
 174 99.3 0.0 193.2
 176 93.5 0.0 184.2

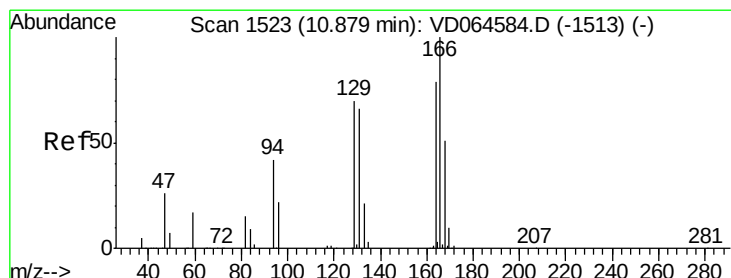
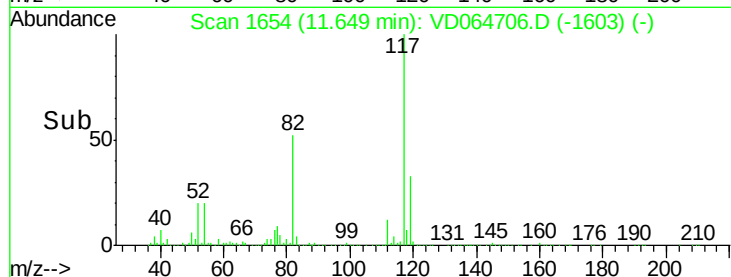
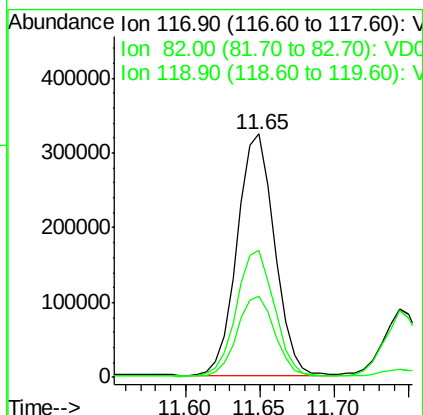
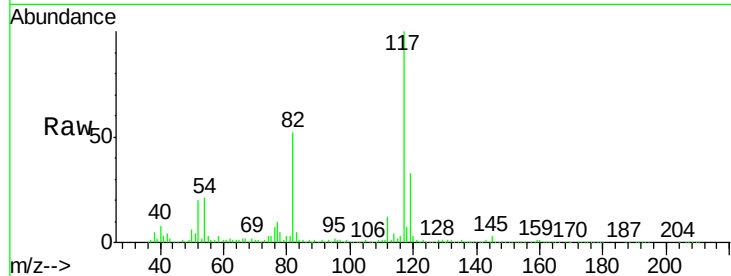




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

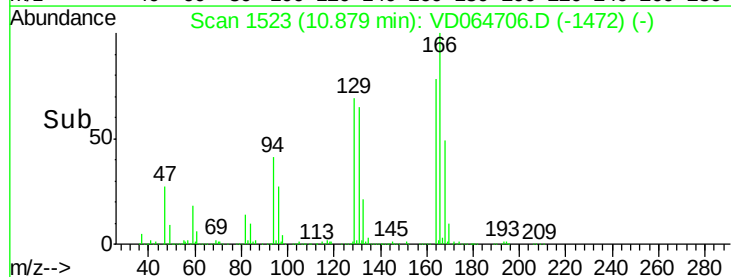
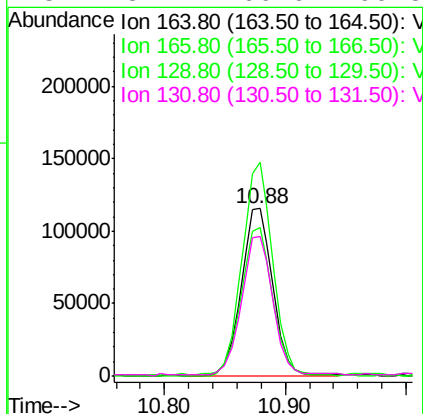
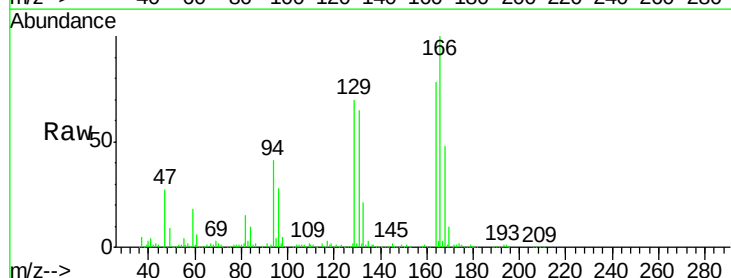
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

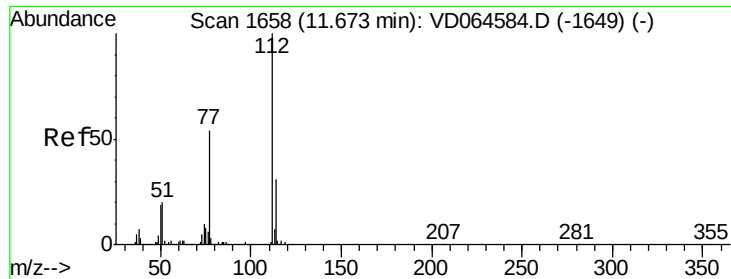
Tgt Ion:117 Resp: 563573
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.4
119 33.0 26.0 39.0



#64
Tetrachloroethene
Concen: 48.216 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion:164 Resp: 208469
Ion Ratio Lower Upper
164 100
166 127.7 101.3 151.9
129 88.5 70.5 105.7
131 82.7 66.6 99.8





#65

Chlorobenzene

Concen: 51.148 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

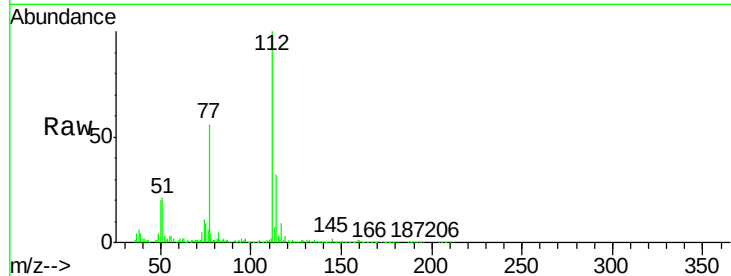
VSTDCCC050EC

Tgt Ion:112 Resp: 598269

Ion Ratio Lower Upper

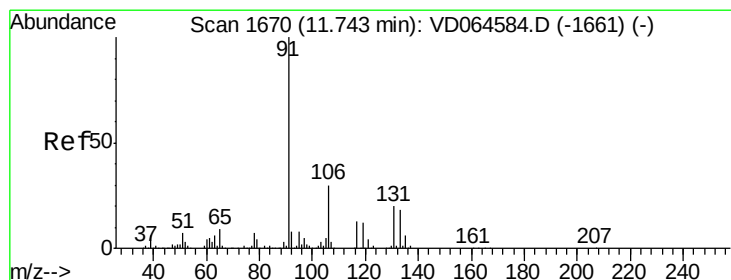
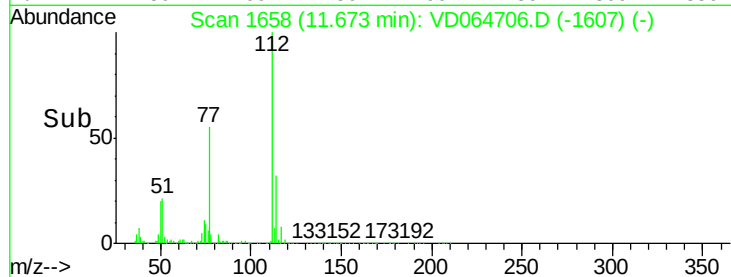
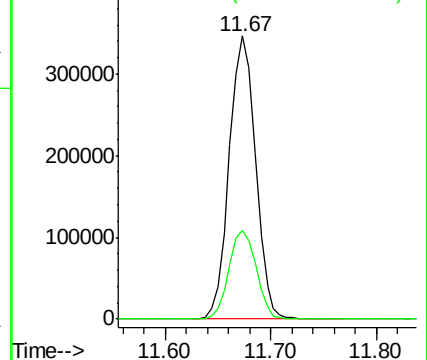
112 100

114 31.6 24.8 37.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.645 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

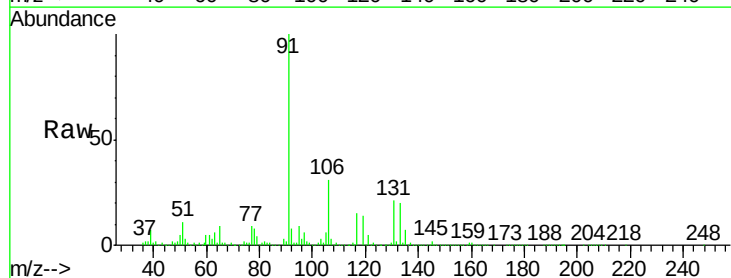
Tgt Ion:131 Resp: 232141

Ion Ratio Lower Upper

131 100

133 94.3 48.3 144.8

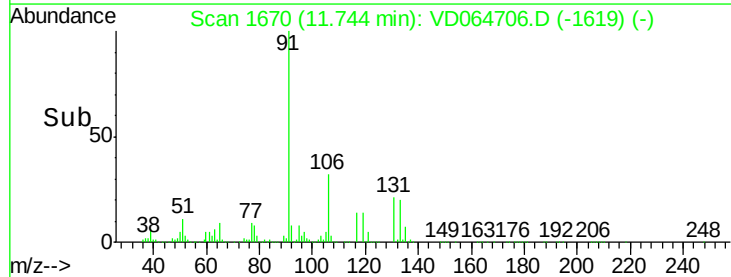
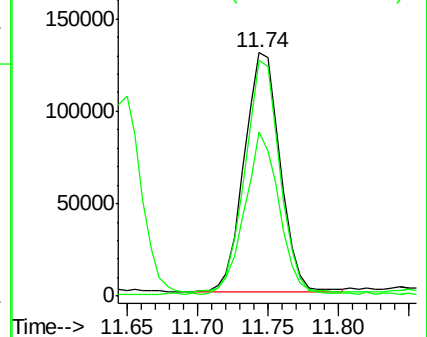
119 62.6 32.1 96.3

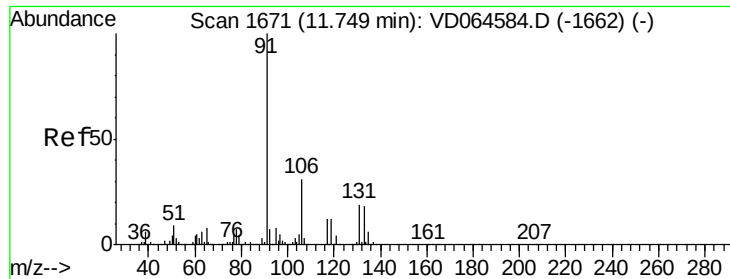


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.599 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

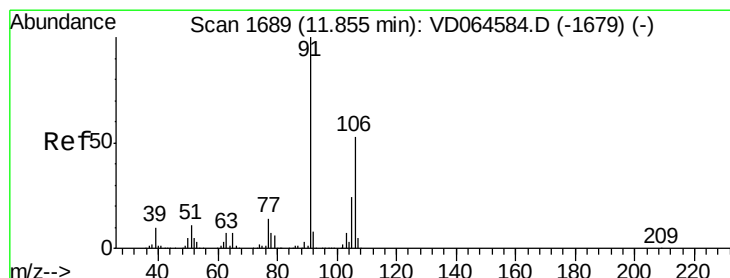
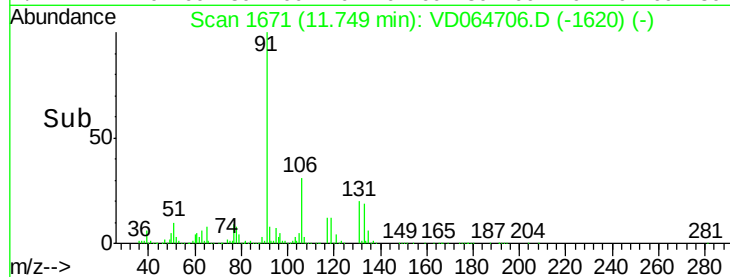
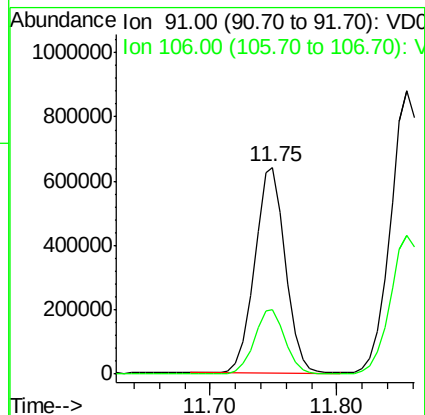
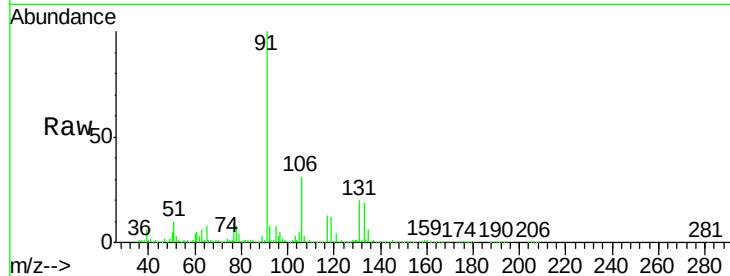
VSTDCCC050EC

Tgt Ion: 91 Resp: 1074246

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 100.038 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064706.D

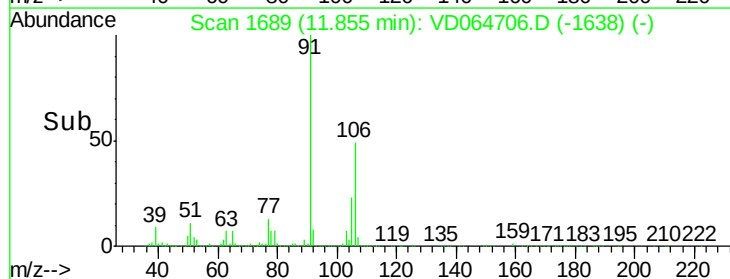
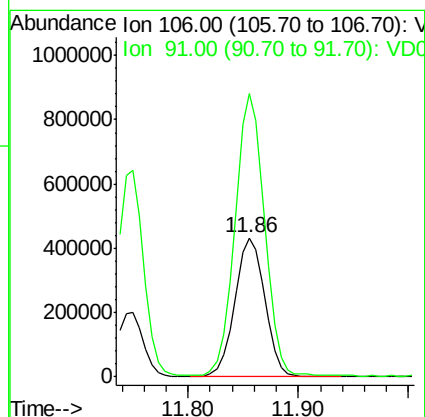
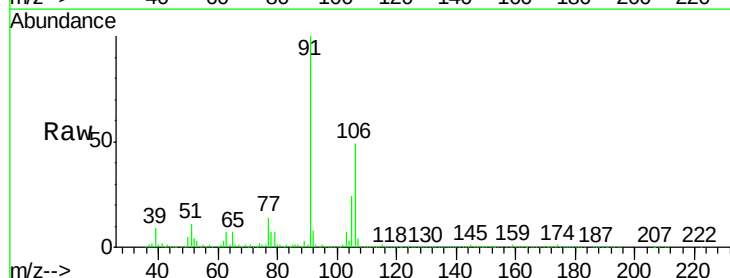
Acq: 31 Dec 2019 20:33

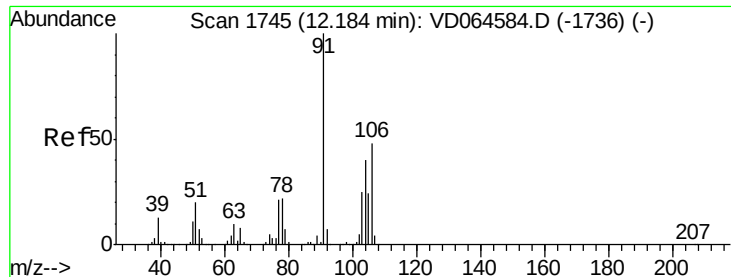
Tgt Ion: 106 Resp: 819768

Ion Ratio Lower Upper

106 100

91 200.5 156.3 234.5

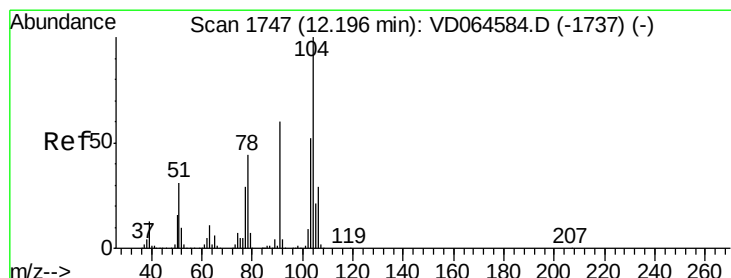
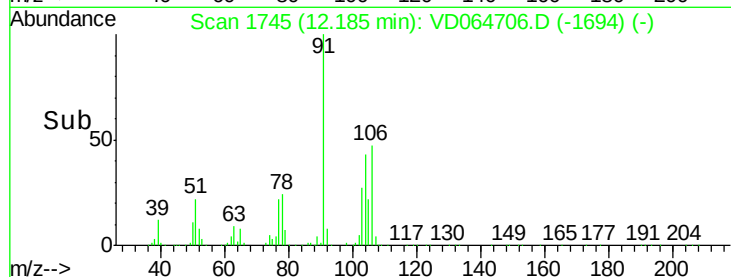
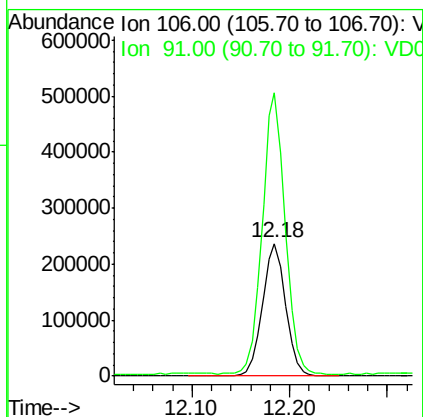
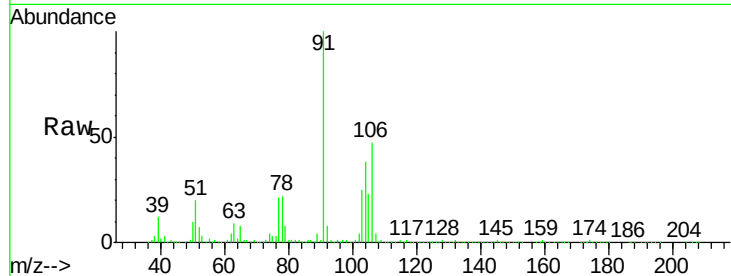




#69
o-Xylene
Concen: 53.150 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

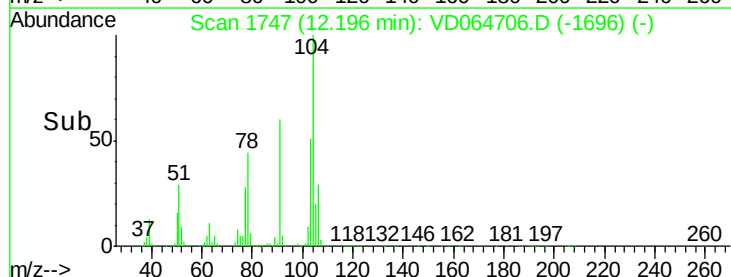
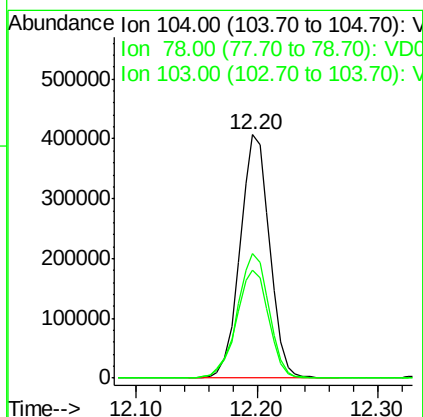
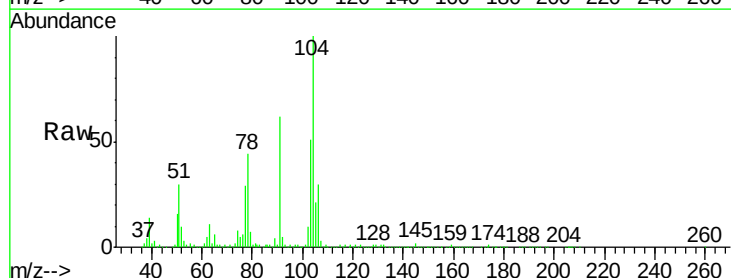
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

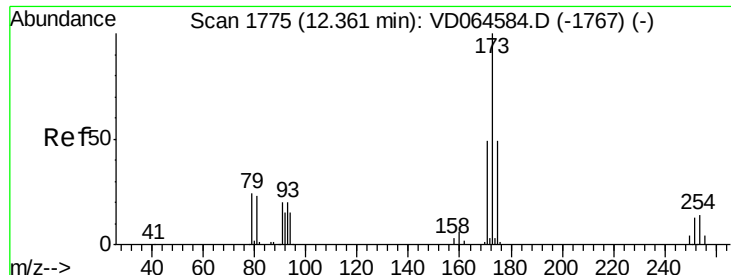
Tgt Ion:106 Resp: 393402
Ion Ratio Lower Upper
106 100
91 210.3 104.8 314.4



#70
Styrene
Concen: 53.030 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion:104 Resp: 688974
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 54.8 44.6 67.0





#71

Bromoform

Concen: 54.416 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

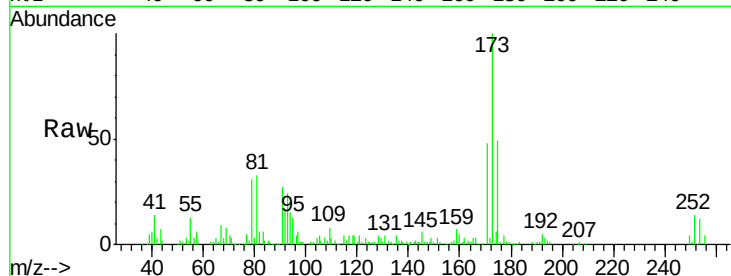
Tgt Ion:173 Resp: 136837

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

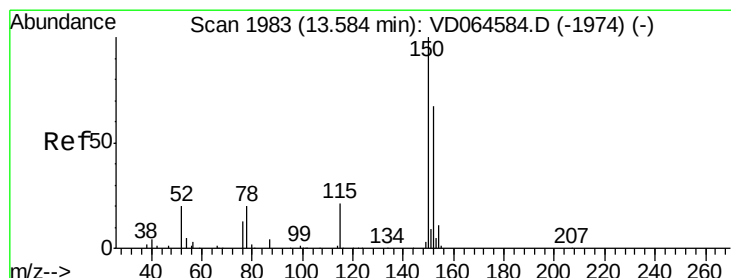
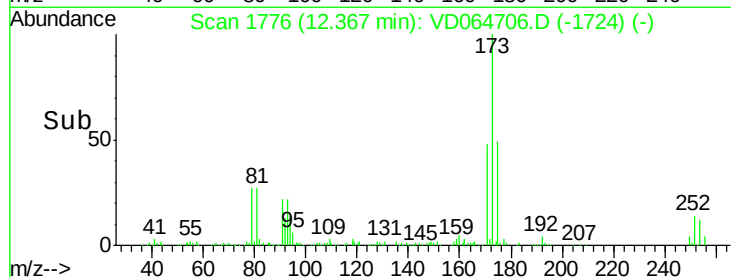
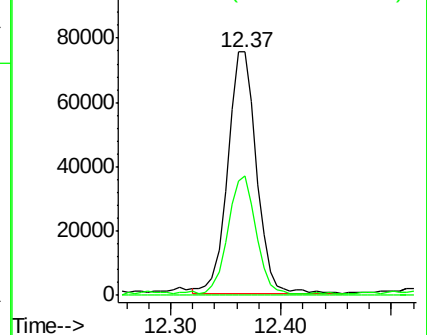
254 0.1 0.1 0.1#



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: VD064706.D

Acq: 31 Dec 2019 20:33

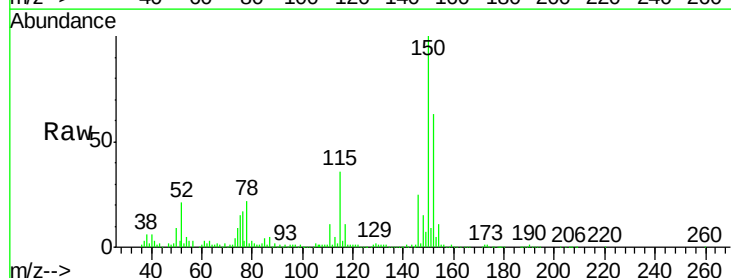
Tgt Ion:152 Resp: 285100

Ion Ratio Lower Upper

152 100

115 59.5 27.8 83.4

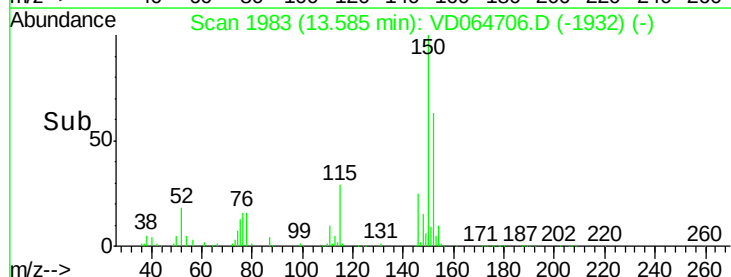
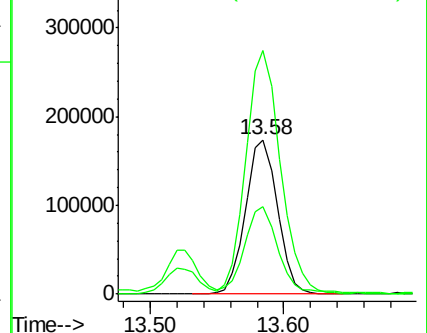
150 171.9 0.0 351.4

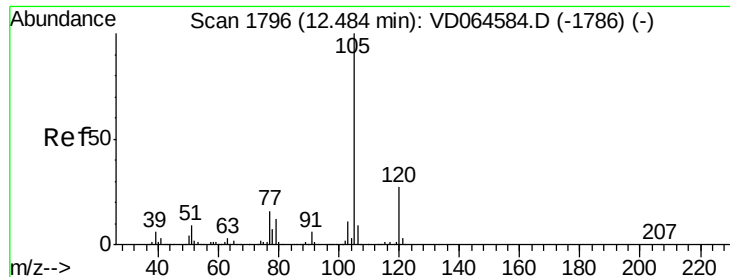


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.808 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

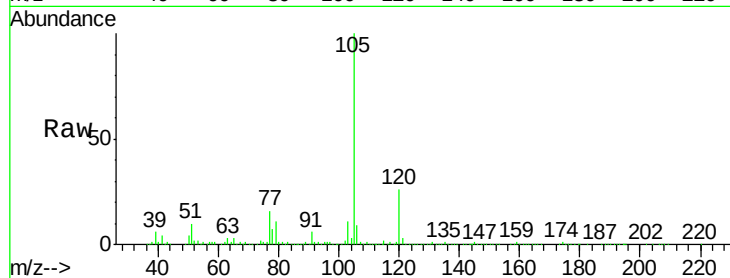
VSTDCCC050EC

Tgt Ion:105 Resp: 1014781

Ion Ratio Lower Upper

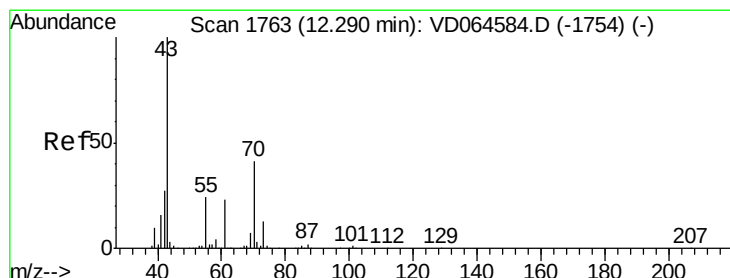
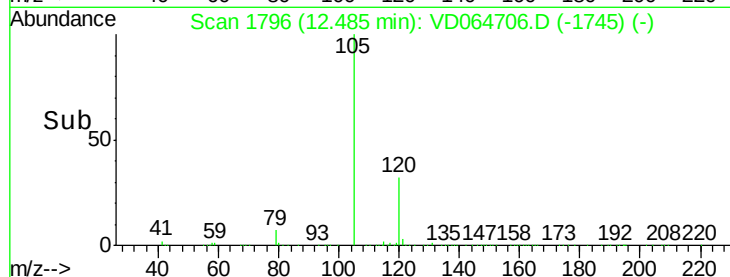
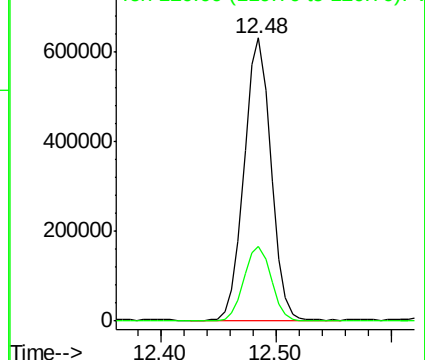
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 56.180 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion: 43 Resp: 244676

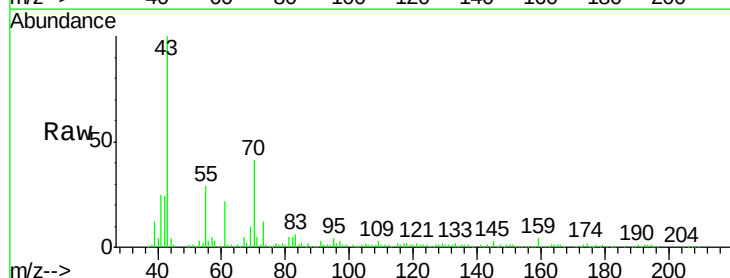
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 30.9 19.4 29.0#

61 22.8 18.3 27.5

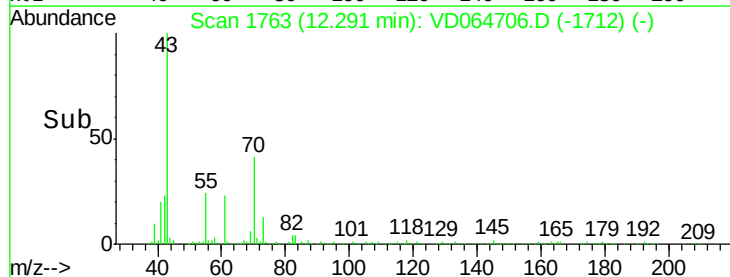
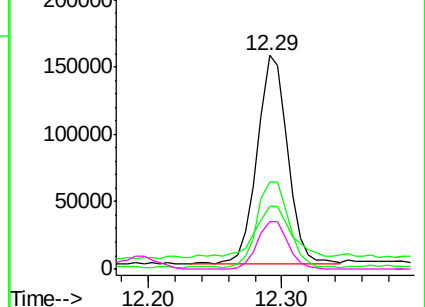


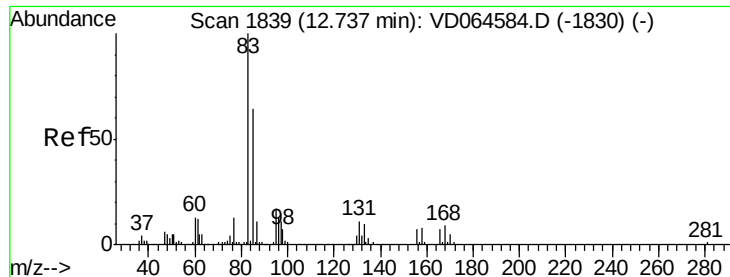
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.067 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

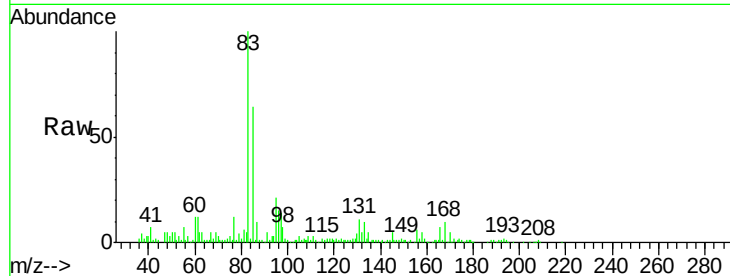
Tgt Ion: 83 Resp: 169842

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

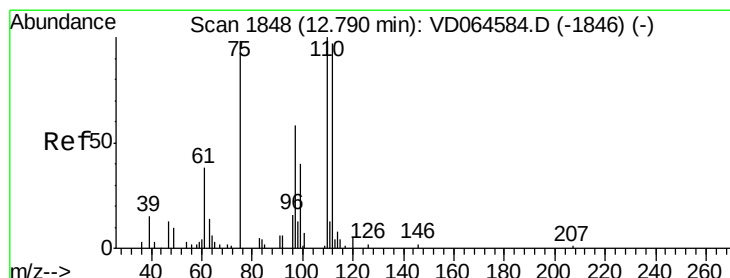
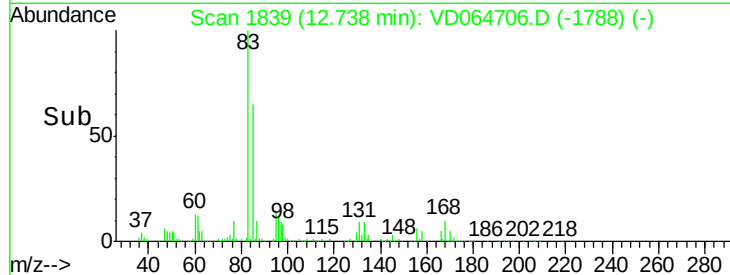
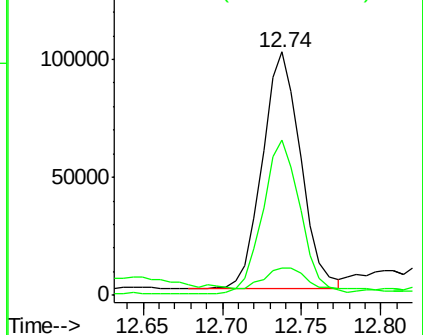
85 63.7 32.3 96.9



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: 99.602 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064706.D

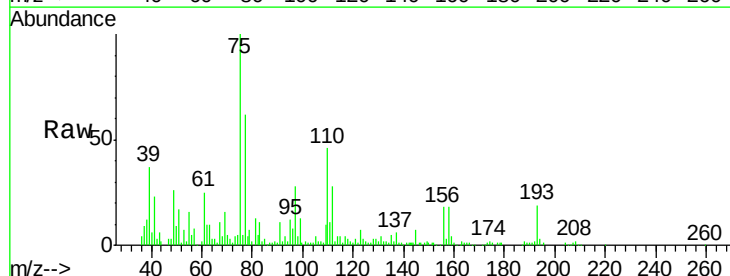
Acq: 31 Dec 2019 20:33

Tgt Ion: 75 Resp: 224237

Ion Ratio Lower Upper

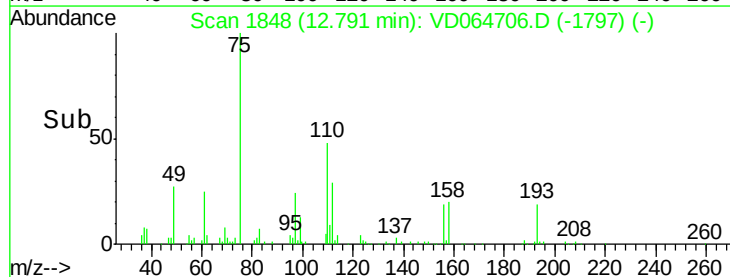
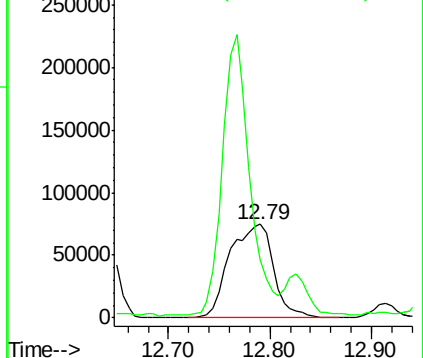
75 100

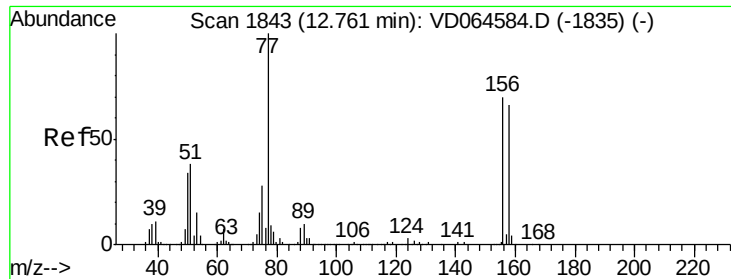
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.649 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

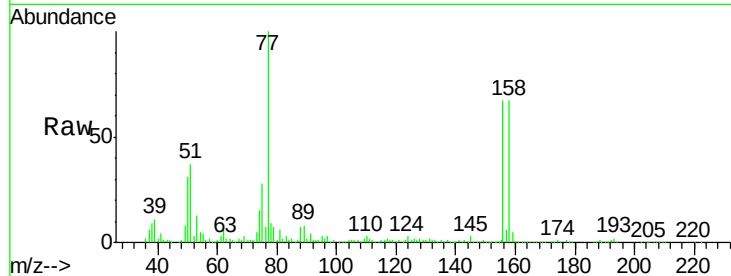
Tgt Ion:156 Resp: 258564

Ion Ratio Lower Upper

156 100

77 163.0 80.9 242.7

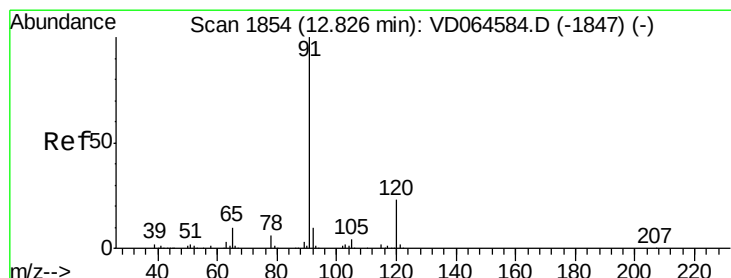
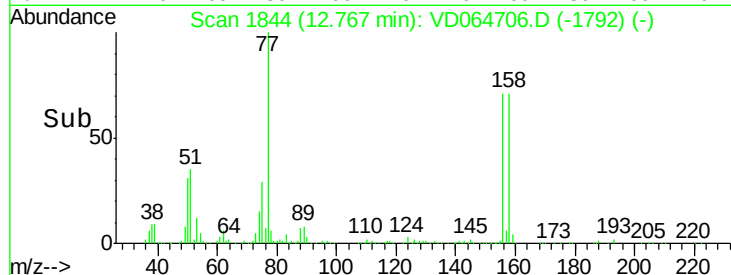
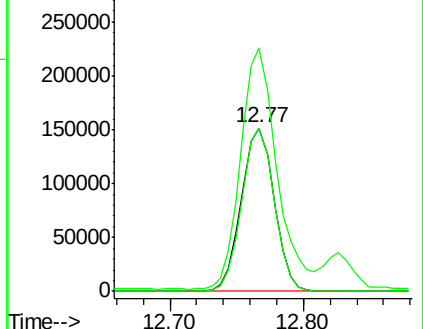
158 98.2 48.0 144.2



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: 50.361 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064706.D

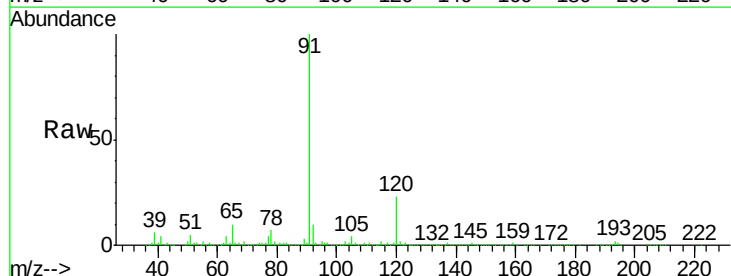
Acq: 31 Dec 2019 20:33

Tgt Ion: 91 Resp: 1197007

Ion Ratio Lower Upper

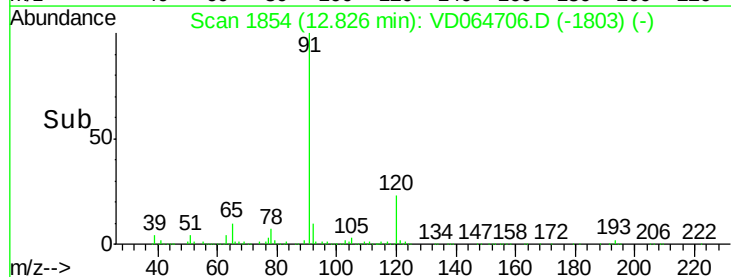
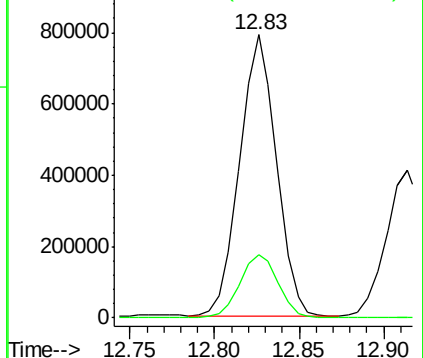
91 100

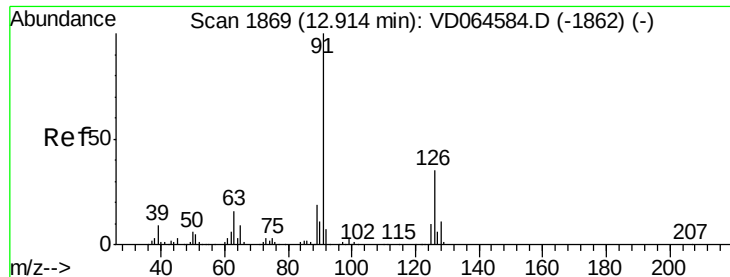
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.902 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

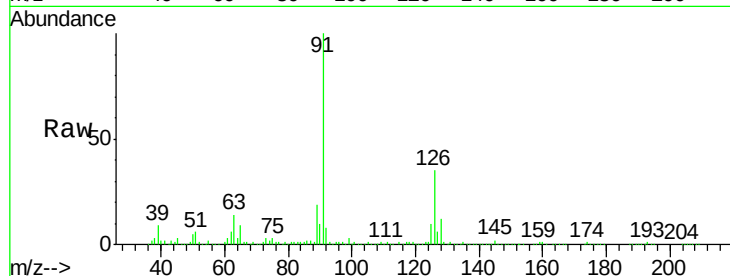
VSTDCCC050EC

Tgt Ion: 91 Resp: 664627

Ion Ratio Lower Upper

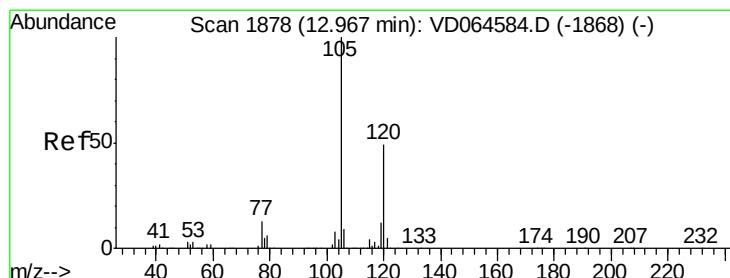
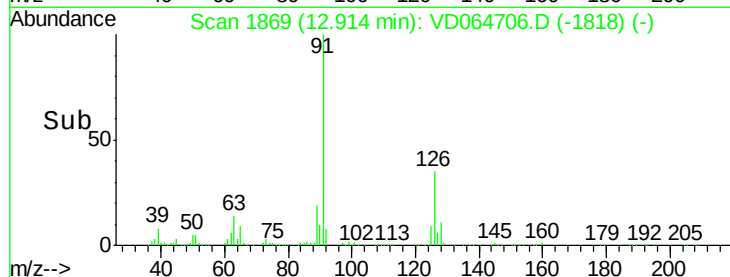
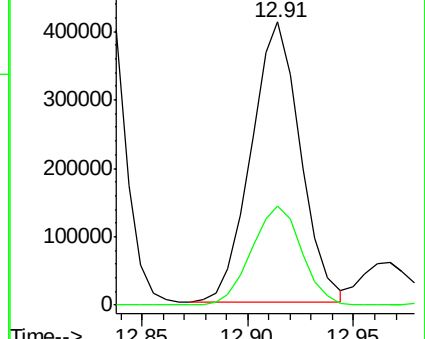
91 100

126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.862 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064706.D

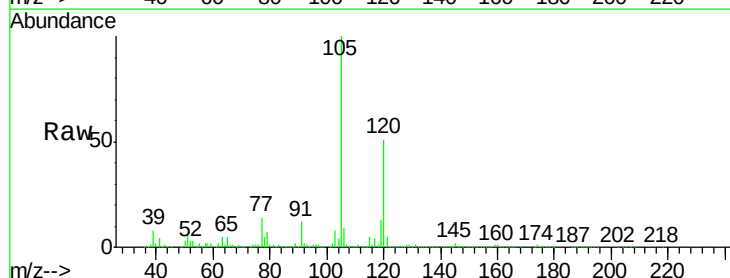
Acq: 31 Dec 2019 20:33

Tgt Ion: 105 Resp: 867965

Ion Ratio Lower Upper

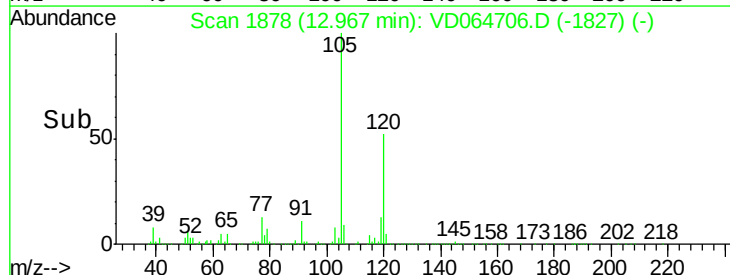
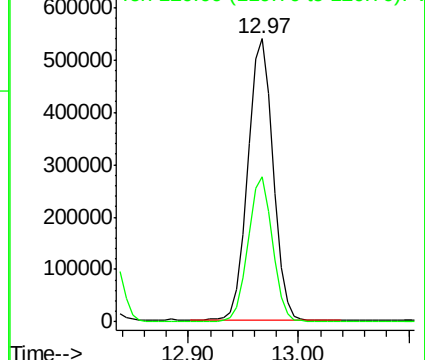
105 100

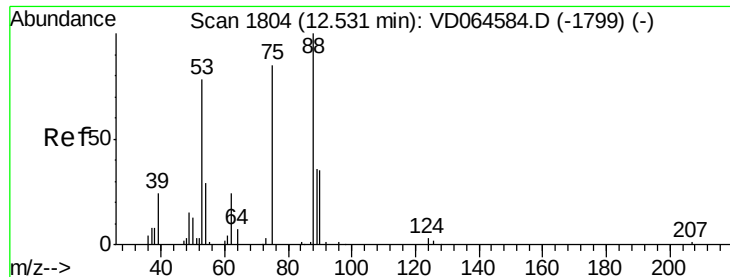
120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.670 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

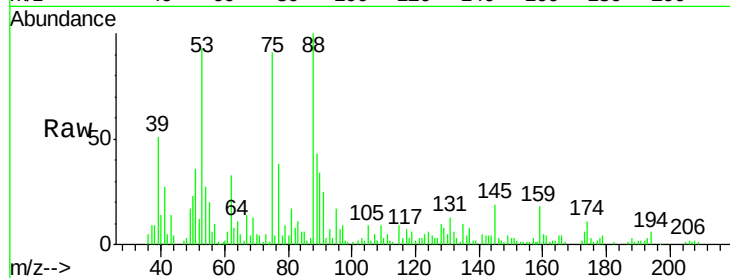
Tgt Ion: 75 Resp: 53466

Ion Ratio Lower Upper

75 100

53 105.1 78.8 118.2

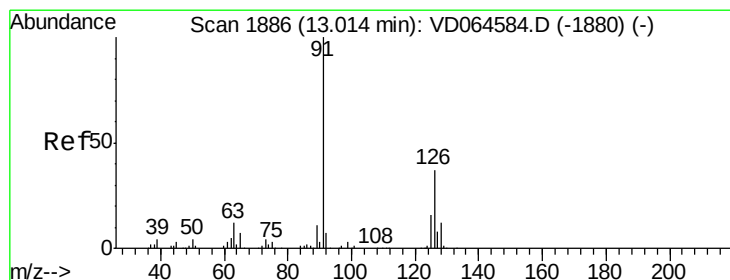
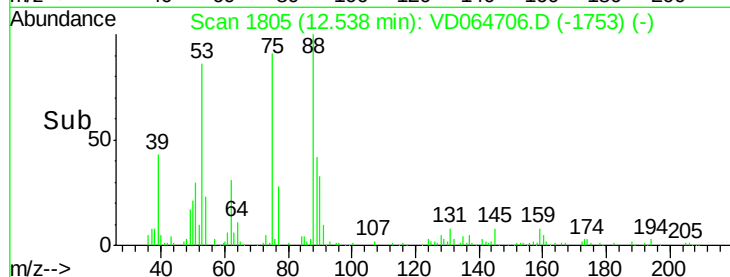
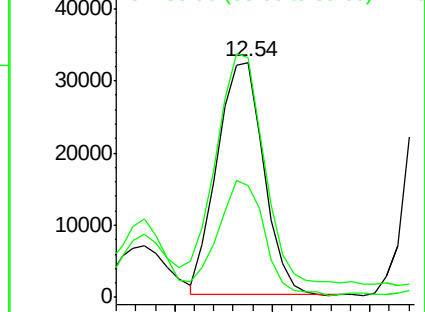
89 48.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.101 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064706.D

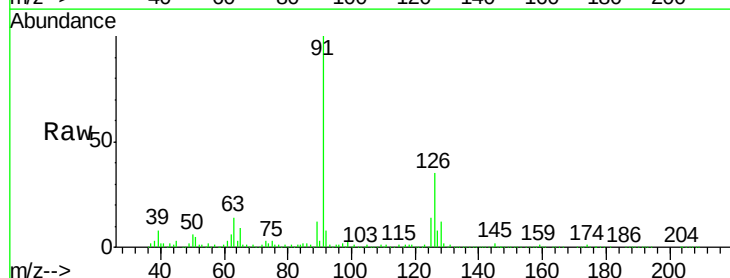
Acq: 31 Dec 2019 20:33

Tgt Ion: 91 Resp: 710057

Ion Ratio Lower Upper

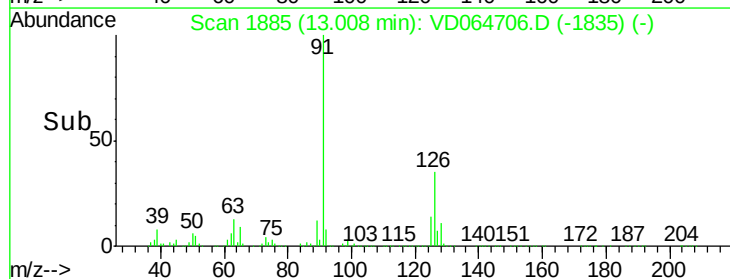
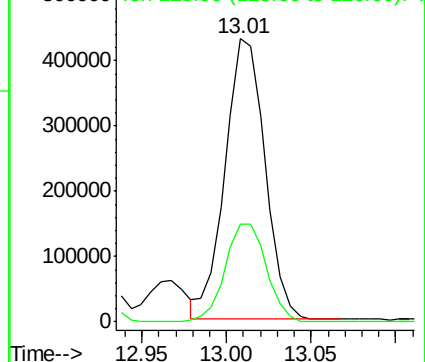
91 100

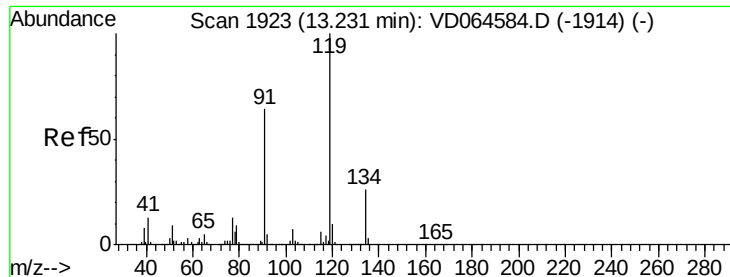
126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

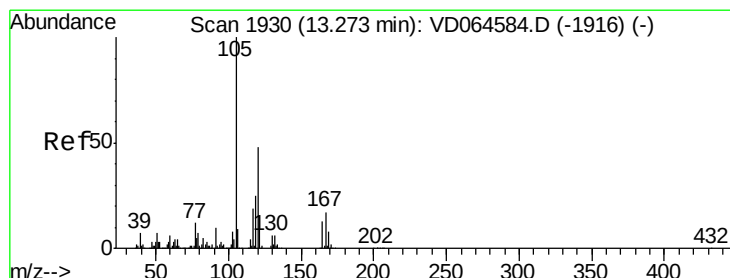
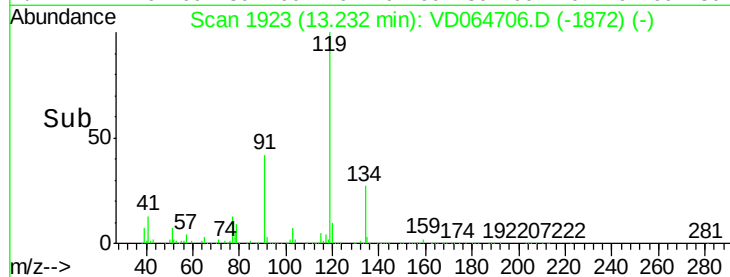
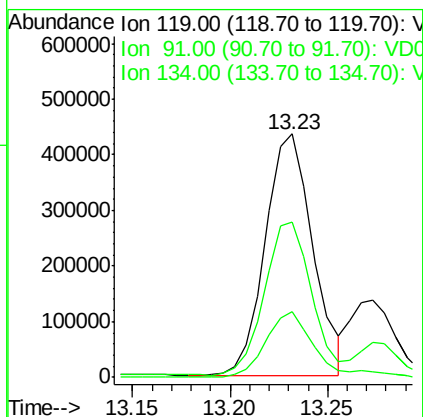
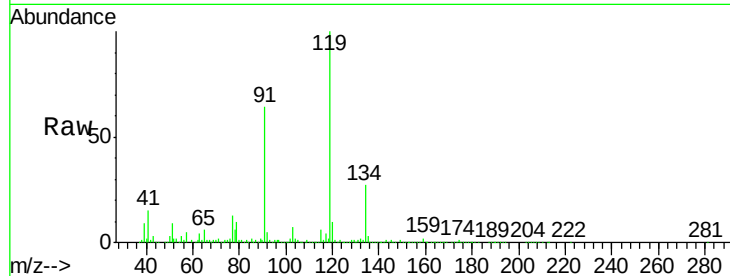




#83
 tert-Butylbenzene
 Concen: 50.408 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

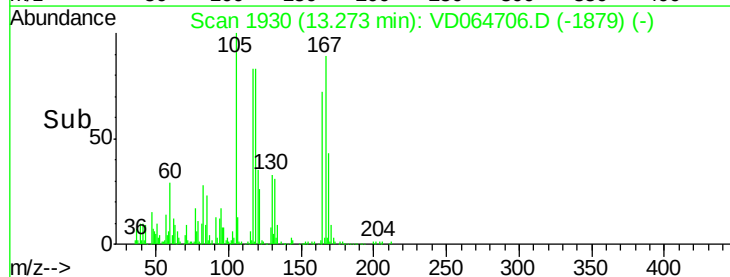
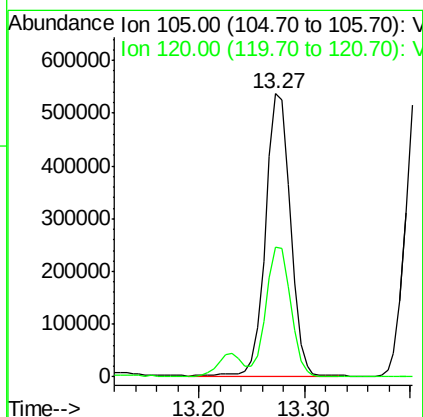
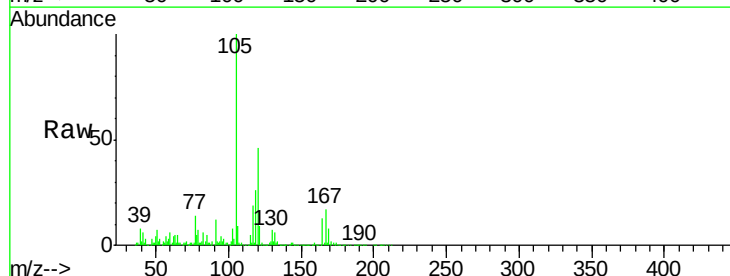
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

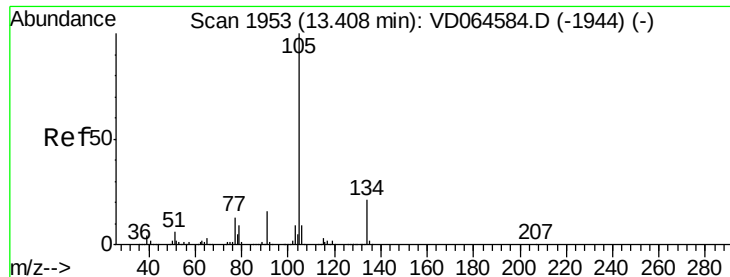
Tgt Ion:119 Resp: 732494
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.8 92.4
 134 27.9 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.035 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion:105 Resp: 867333
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.8 71.2





#85

sec-Butylbenzene

Concen: 49.637 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

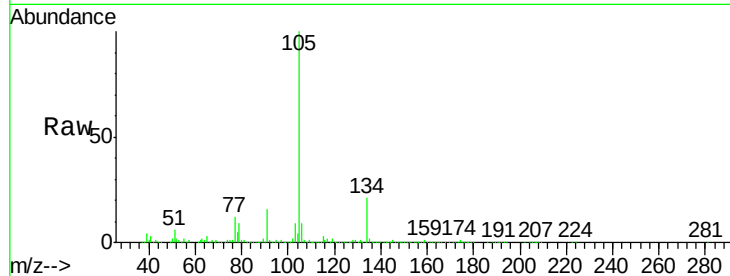
VSTDCCC050EC

Tgt Ion:105 Resp: 988844

Ion Ratio Lower Upper

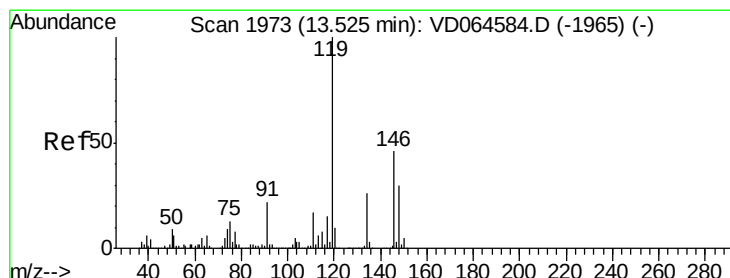
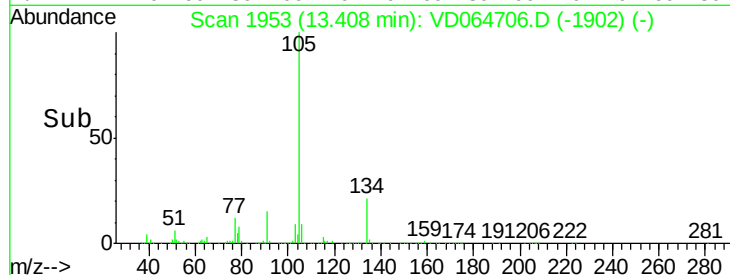
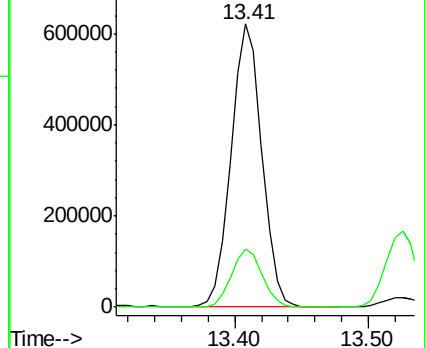
105 100

134 20.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.370 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

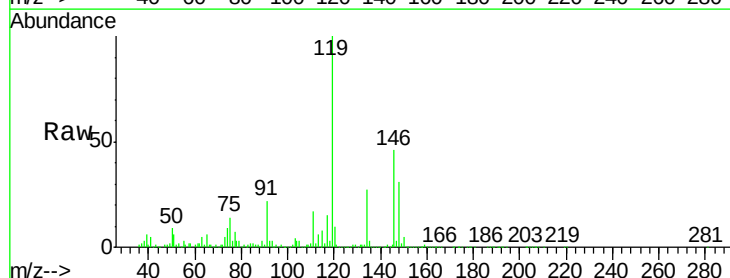
Tgt Ion:119 Resp: 959473

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

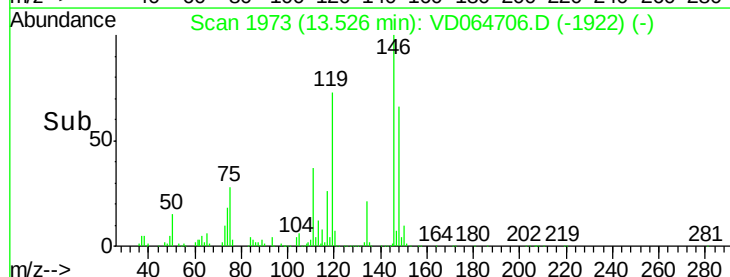
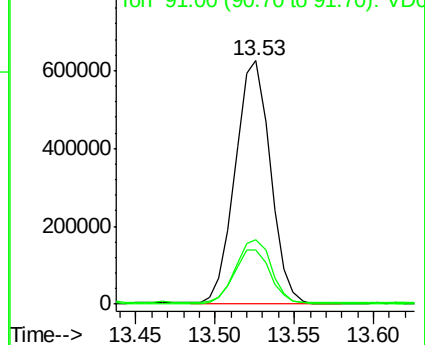
91 22.4 11.2 33.6

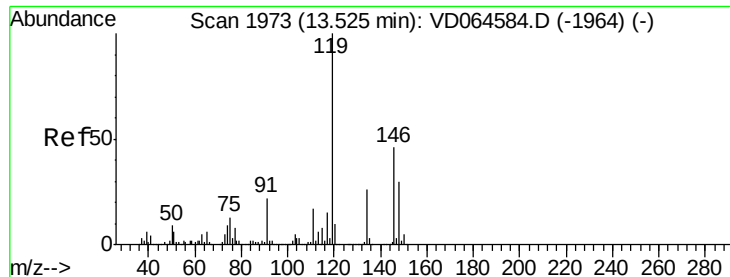


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.358 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

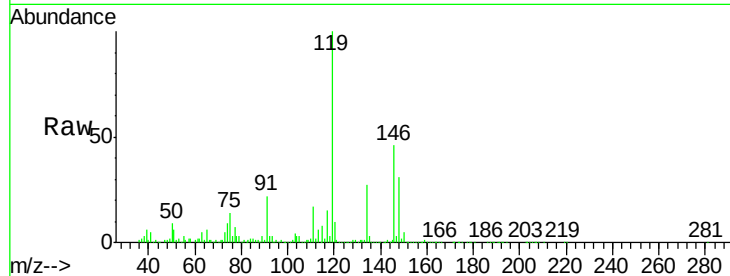
Tgt Ion:146 Resp: 490127

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.4

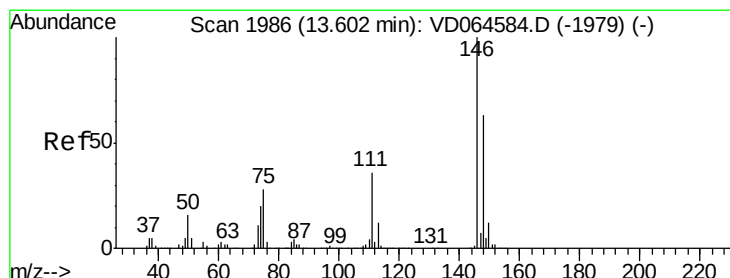
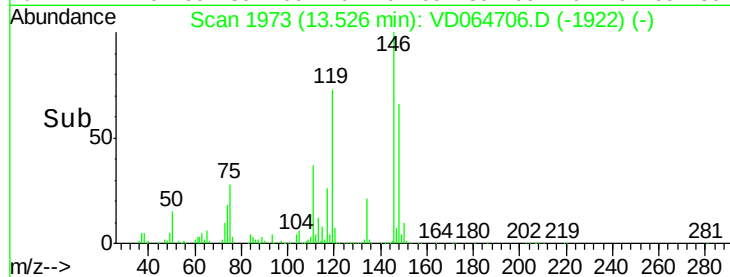
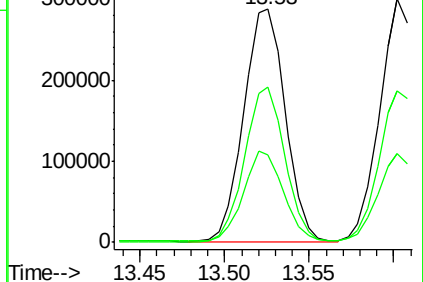
148 64.7 32.5 97.5



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: 51.952 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

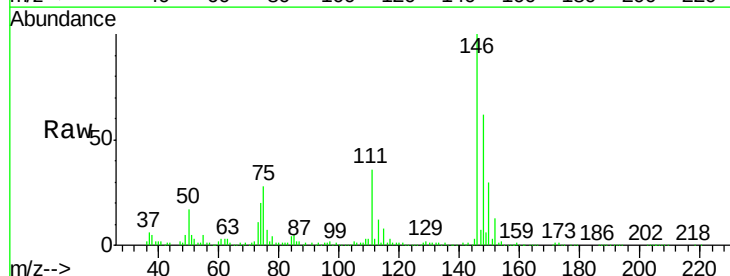
Tgt Ion:146 Resp: 487057

Ion Ratio Lower Upper

146 100

111 35.9 18.1 54.1

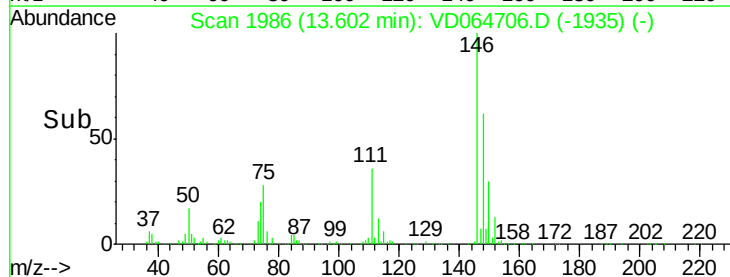
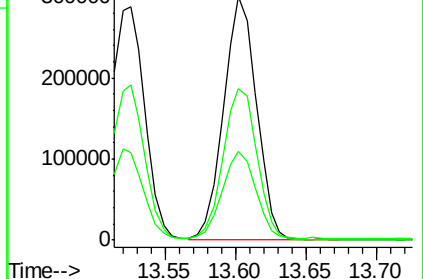
148 64.1 32.3 96.9

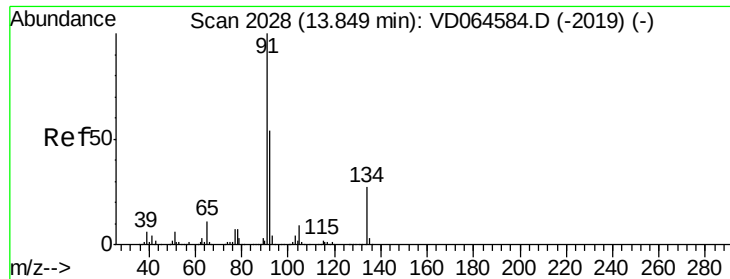


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

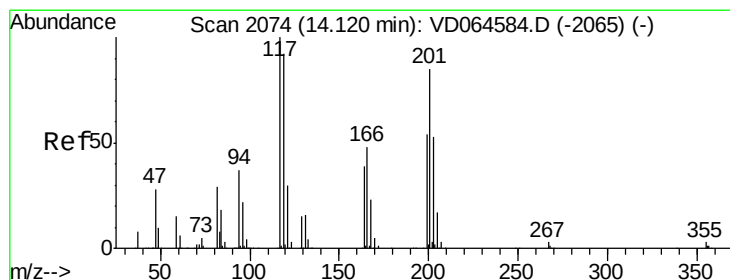
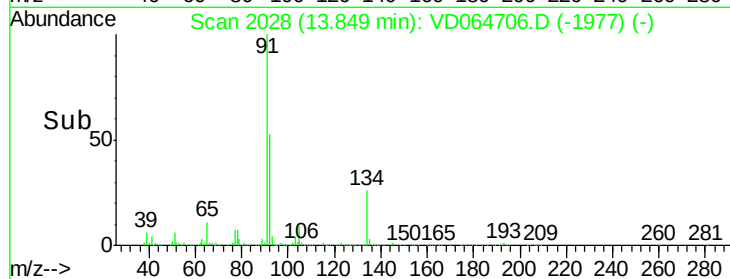
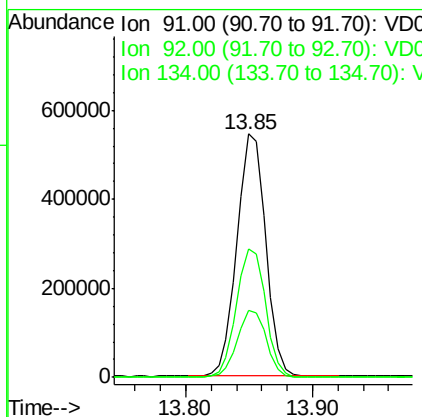
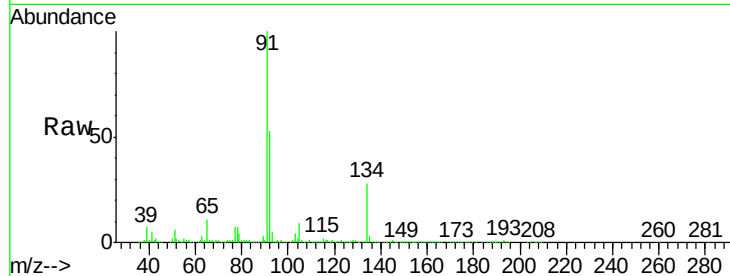




#89
n-Butylbenzene
Concen: 49.833 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

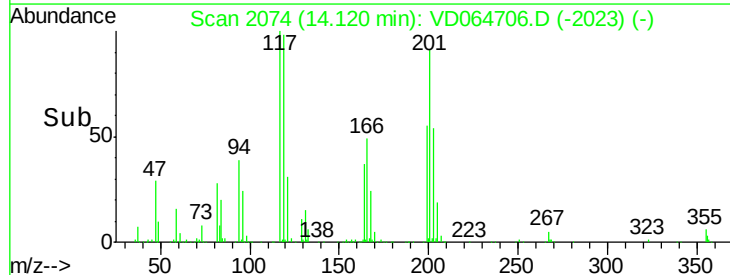
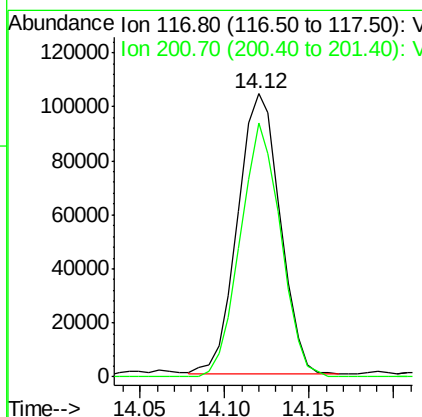
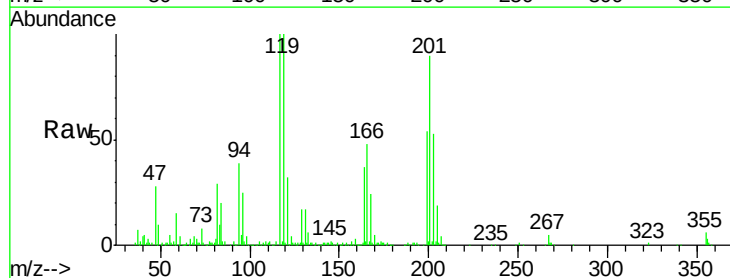
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

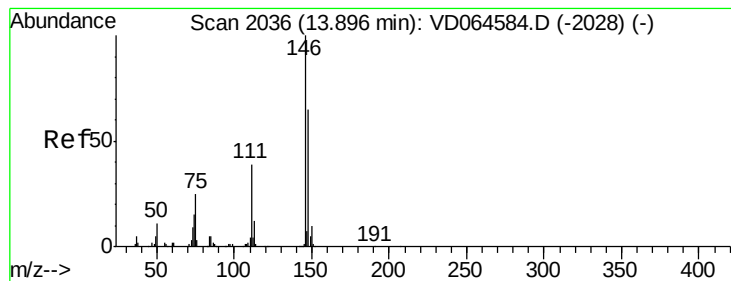
Tgt Ion: 91 Resp: 854828
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.8 14.0 41.9



#90
Hexachloroethane
Concen: 49.620 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 117 Resp: 180550
Ion Ratio Lower Upper
117 100
201 86.9 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 53.047 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

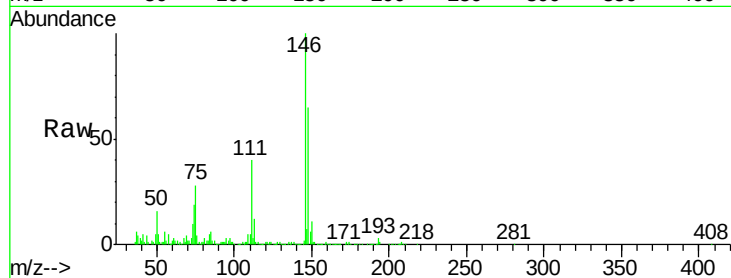
Tgt Ion:146 Resp: 431685

Ion Ratio Lower Upper

146 100

111 40.2 19.3 57.9

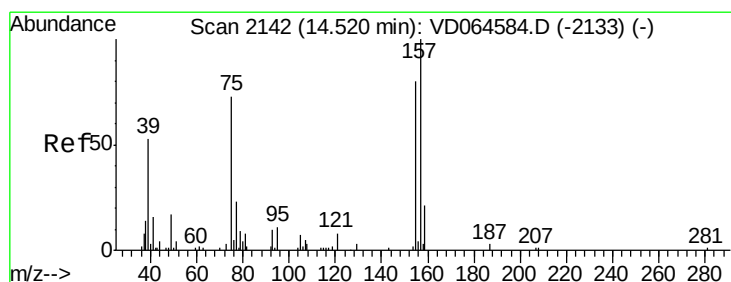
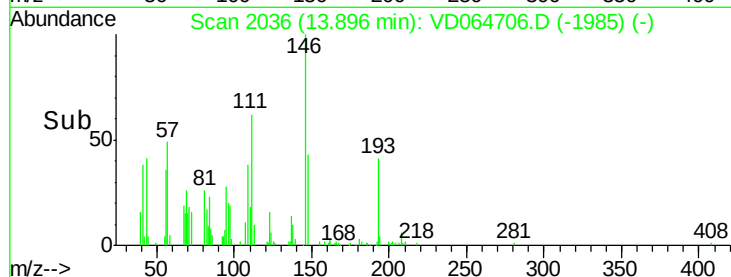
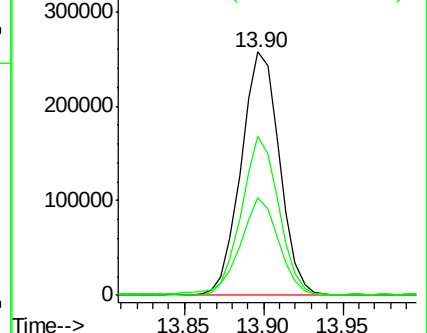
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.114 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

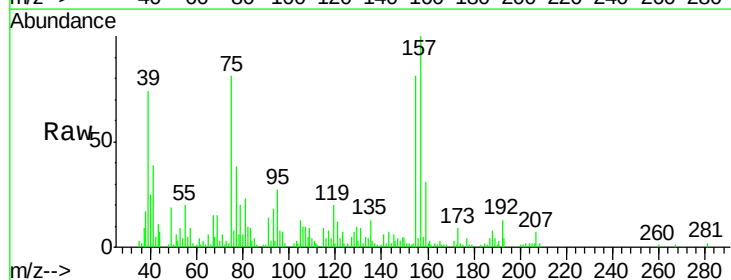
Tgt Ion: 75 Resp: 27558

Ion Ratio Lower Upper

75 100

155 97.4 48.0 144.0

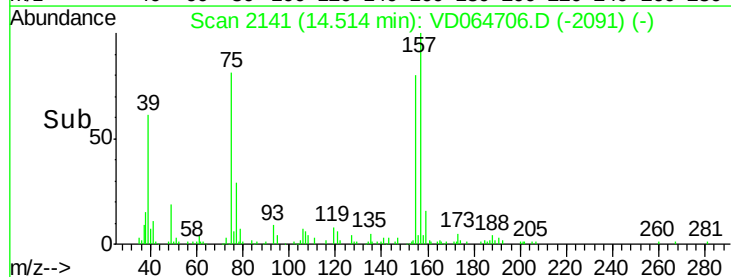
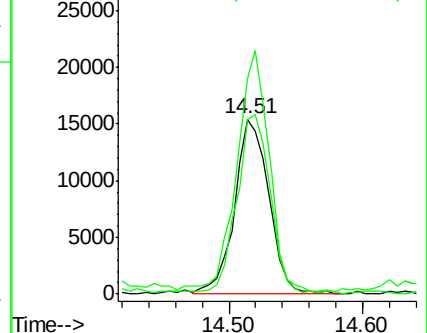
157 128.4 64.1 192.3

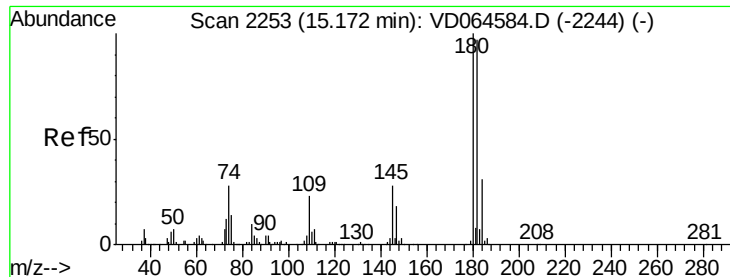


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

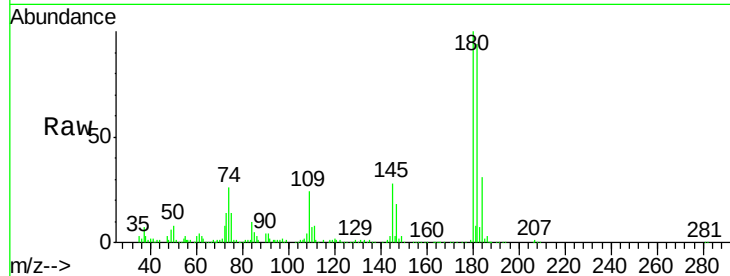




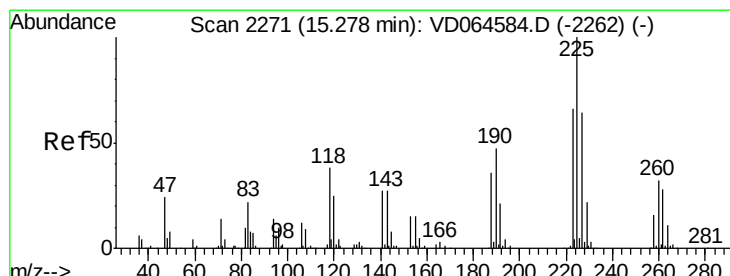
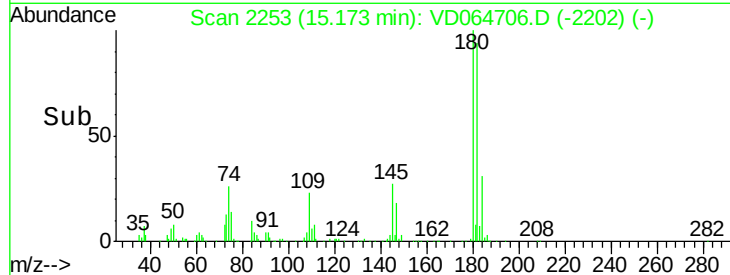
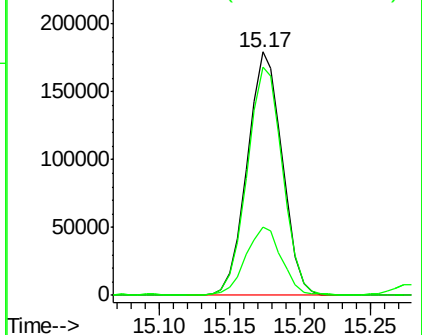
#93
 1,2,4-Trichlorobenzene
 Concen: 52.073 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 312019
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.0 144.2
 145 28.7 13.8 41.4

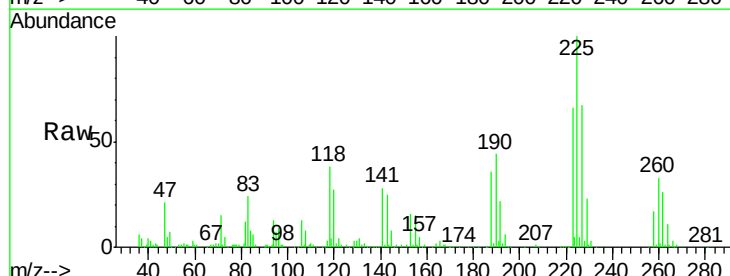


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

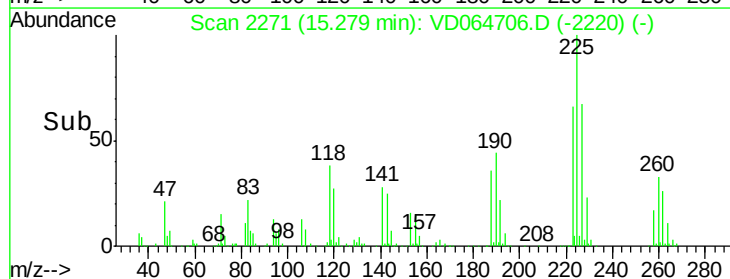
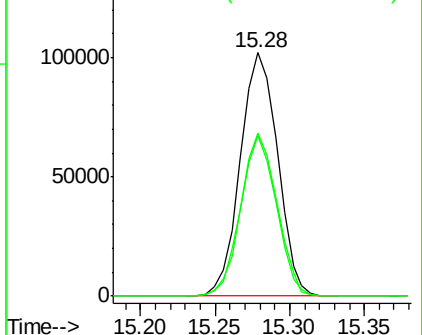


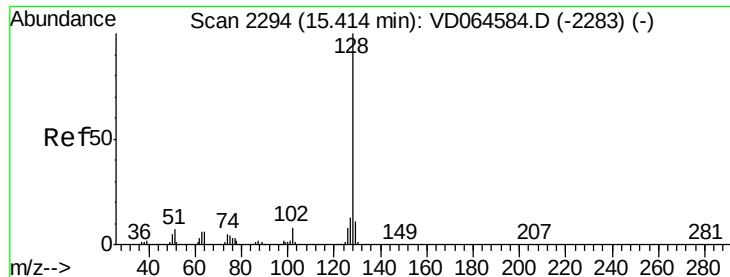
#94
 Hexachlorobutadiene
 Concen: 46.841 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion:225 Resp: 176614
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.2
 227 64.8 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

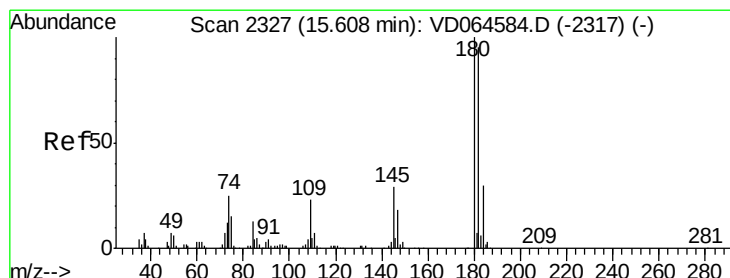
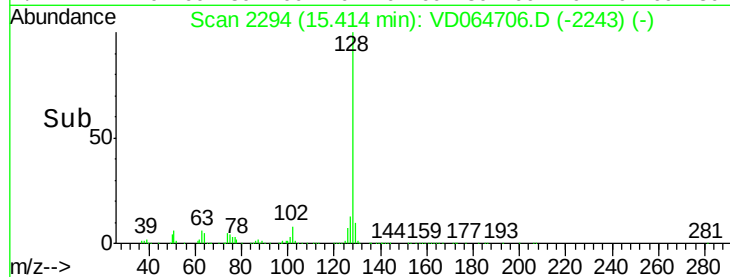
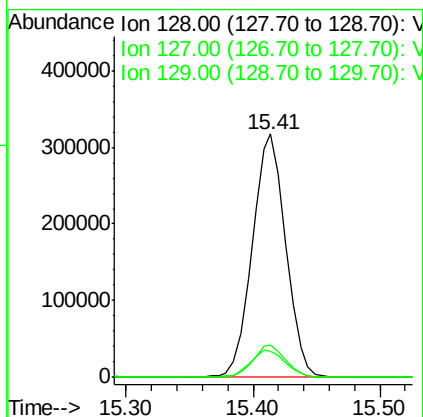
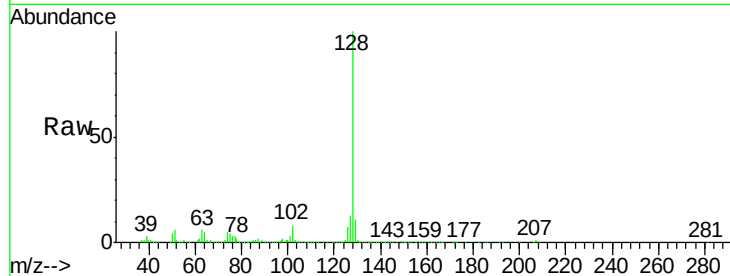




#95
Naphthalene
Concen: 61.070 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	128	Resp:	578897
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.4	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.609 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion:	180	Resp:	269112
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.5	14.9	44.7

