

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
 Data File : VD066250.D
 Acq On : 17 Aug 2020 11:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 14:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	294455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	420935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	378290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	125546	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	7.91	113	127292	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	10.33	98	485482	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.63	95	164777	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	107796	41.552	ug/l	96
3) Chloromethane	2.21	50	87035	43.128	ug/l	97
4) Vinyl Chloride	2.35	62	91492	51.209	ug/l	97
5) Bromomethane	2.77	94	60961	51.429	ug/l	98
6) Chloroethane	2.92	64	54631	49.814	ug/l	91
7) Trichlorofluoromethane	3.27	101	231349	49.668	ug/l	95
8) Diethyl Ether	3.71	74	59839	45.530	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	136493	49.377	ug/l	99
10) Methyl Iodide	4.30	142	141211	55.290	ug/l	99
11) Tert butyl alcohol	5.22	59	41588	205.203	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	124237	47.642	ug/l	98
13) Acrolein	3.91	56	46074	220.342	ug/l	96
14) Allyl chloride	4.71	41	184015	46.579	ug/l	96
15) Acrylonitrile	5.42	53	129239	233.355	ug/l	100
16) Acetone	4.16	43	151217	303.374	ug/l	99
17) Carbon Disulfide	4.40	76	346219	41.756	ug/l	99
18) Methyl Acetate	4.71	43	55964	44.202	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	290989	48.684	ug/l	100
20) Methylene Chloride	4.96	84	139157	48.470	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	142152	47.452	ug/l	95
22) Diisopropyl ether	6.36	45	359293	45.990	ug/l	97
23) Vinyl Acetate	6.30	43	1067920	233.331	ug/l	98
24) 1,1-Dichloroethane	6.26	63	224356	46.404	ug/l	97
25) 2-Butanone	7.21	43	173003	235.979	ug/l	98
26) 2,2-Dichloropropane	7.20	77	227350	52.465	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	153888	48.976	ug/l	99
28) Bromochloromethane	7.54	49	79379	46.745	ug/l	94
29) Tetrahydrofuran	7.56	42	100334	220.893	ug/l	98
30) Chloroform	7.71	83	248751	48.998	ug/l	94
31) Cyclohexane	7.98	56	201222	43.722	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	245008	51.472	ug/l	99
36) 1,1-Dichloropropene	8.10	75	195003	49.299	ug/l	99
37) Ethyl Acetate	7.29	43	74561	47.575	ug/l	96
38) Carbon Tetrachloride	8.09	117	231228	52.421	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	236481	49.457	ug/l	98
40) Benzene	8.34	78	534288	48.692	ug/l	96
41) Methacrylonitrile	7.52	41	43521	47.229	ug/l	93
42) 1,2-Dichloroethane	8.42	62	159700	49.542	ug/l	99
43) Isopropyl Acetate	8.44	43	148935	48.232	ug/l	98
44) Trichloroethene	9.11	130	164881	49.865	ug/l	96
45) 1,2-Dichloropropane	9.38	63	129392	48.214	ug/l	96
46) Dibromomethane	9.47	93	72754	49.217	ug/l	99
47) Bromodichloromethane	9.66	83	195217	49.966	ug/l	94
48) Methyl methacrylate	9.45	41	75619	47.959	ug/l	95
49) 1,4-Dioxane	9.46	88	16268	856.586	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	378982	238.936	ug/l	100
52) Toluene	10.40	92	360834	49.974	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	186921	50.414	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	219791	50.595	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	103203	48.484	ug/l	99
56) Ethyl methacrylate	10.66	69	127185	49.739	ug/l	96
57) 1,3-Dichloropropane	10.94	76	173208	49.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	305801	265.868	ug/l	100
59) 2-Hexanone	10.98	43	276831	248.687	ug/l	98
60) Dibromochloromethane	11.14	129	145295	49.442	ug/l	98
61) 1,2-Dibromoethane	11.24	107	100228	48.961	ug/l	99
64) Tetrachloroethene	10.87	164	146258	50.350	ug/l	96
65) Chlorobenzene	11.67	112	391632	50.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	152567	50.776	ug/l	99
67) Ethyl Benzene	11.74	91	685619	51.520	ug/l	98
68) m/p-Xylenes	11.85	106	525870	101.993	ug/l	97
69) o-Xylene	12.18	106	240551	51.288	ug/l	99
70) Styrene	12.20	104	420247	51.127	ug/l	99
71) Bromoform	12.36	173	85723	48.153	ug/l #	98
73) Isopropylbenzene	12.48	105	699533	54.254	ug/l	99
74) N-amyl acetate	12.29	43	134766	47.465	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	105907	48.170	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	142349	88.372	ug/l #	100
77) Bromobenzene	12.76	156	165163	49.761	ug/l	97
78) n-propylbenzene	12.82	91	805453	53.740	ug/l	100
79) 2-Chlorotoluene	12.91	91	448645	52.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	585712	54.318	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	37465	51.415	ug/l	97
82) 4-Chlorotoluene	13.01	91	475144	52.507	ug/l	100
83) tert-Butylbenzene	13.23	119	516660	54.482	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	582805	54.007	ug/l	99
85) sec-Butylbenzene	13.40	105	697893	54.509	ug/l	99
86) p-Isopropyltoluene	13.52	119	650511	54.171	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	322268	51.661	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	317909	51.101	ug/l	99
89) n-Butylbenzene	13.85	91	596685	55.459	ug/l	100
90) Hexachloroethane	14.11	117	125720	52.493	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	282903	51.280	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18229	48.242	ug/l	98

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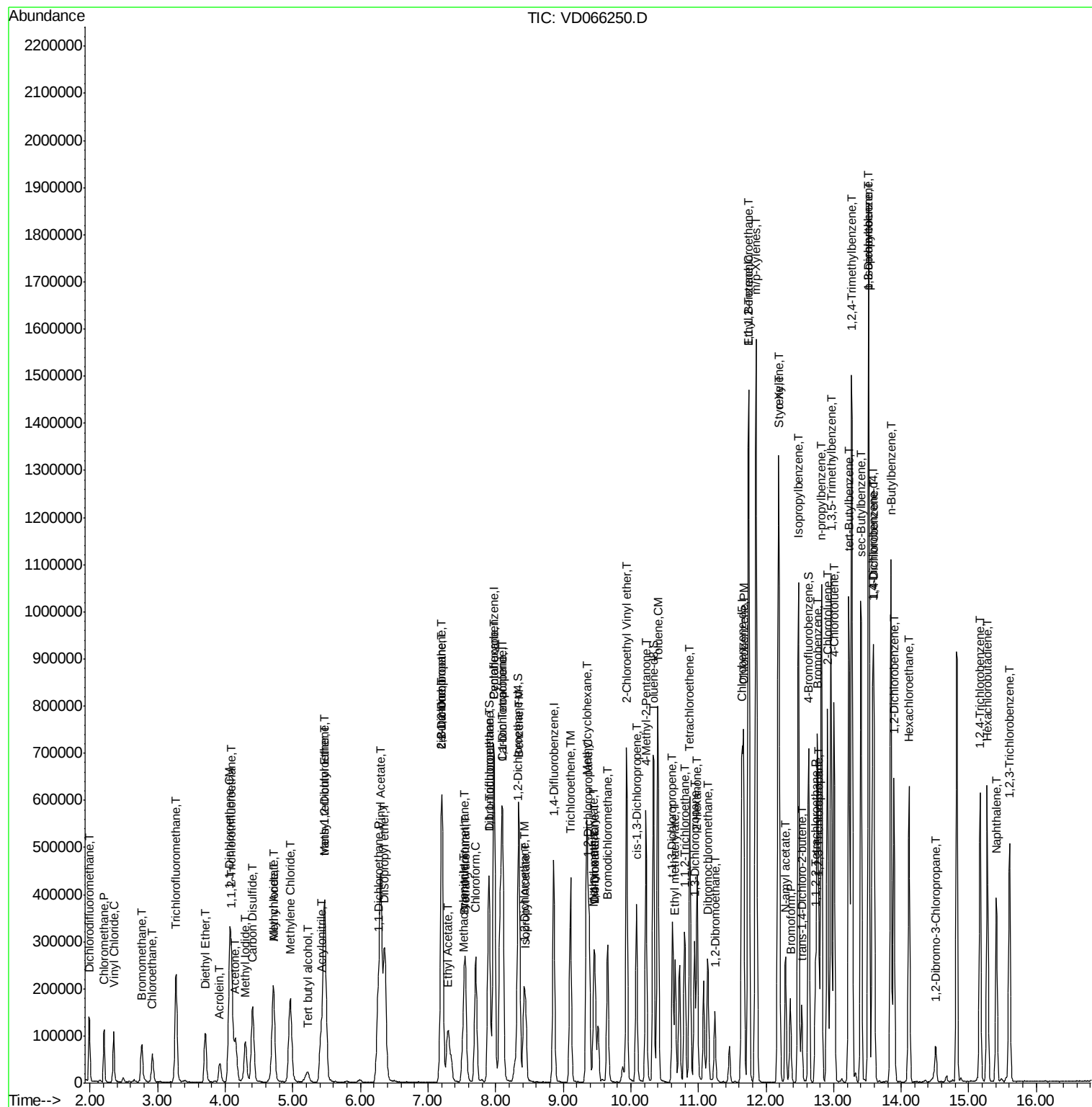
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213112	52.419	ug/l	98
94) Hexachlorobutadiene	15.27	225	134660	56.248	ug/l	96
95) Naphthalene	15.41	128	347129	52.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185705	51.743	ug/l	99

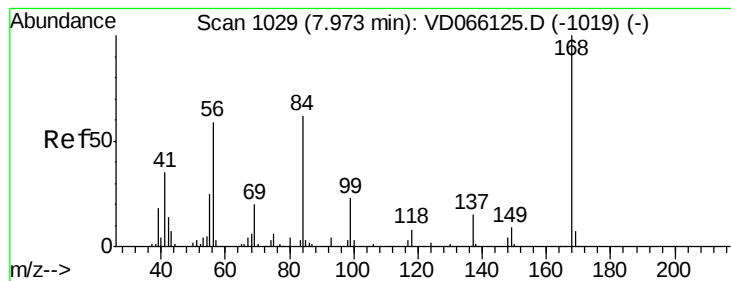
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

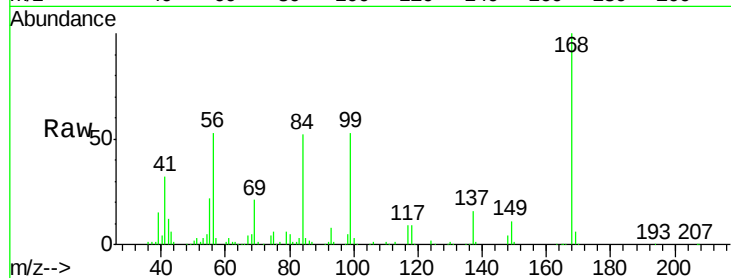
VSTDCCC050

Tgt Ion:168 Resp: 294455

Ion Ratio Lower Upper

168 100

99 53.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

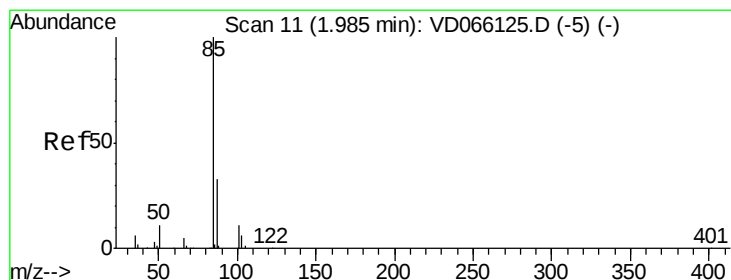
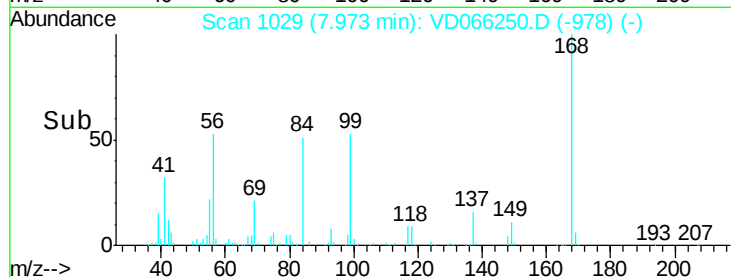
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.552 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066250.D

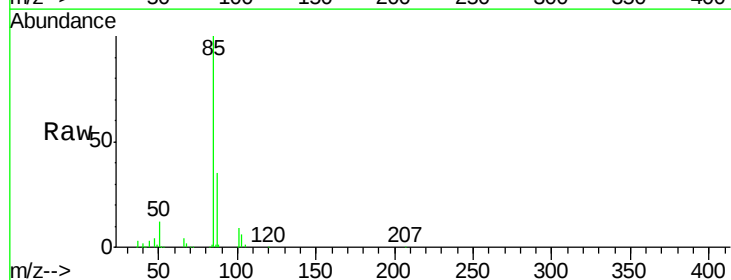
Acq: 17 Aug 2020 11:42

Tgt Ion: 85 Resp: 107796

Ion Ratio Lower Upper

85 100

87 34.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

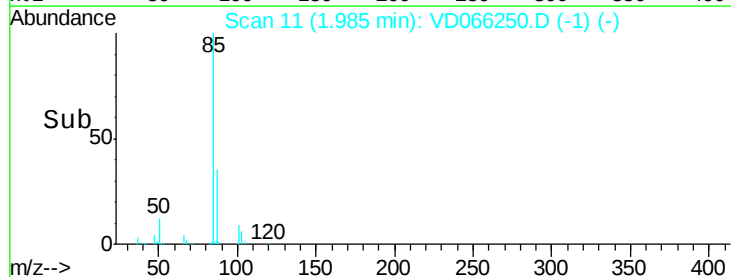
40000

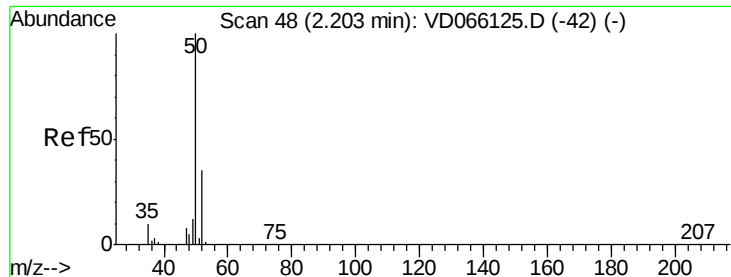
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.128 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

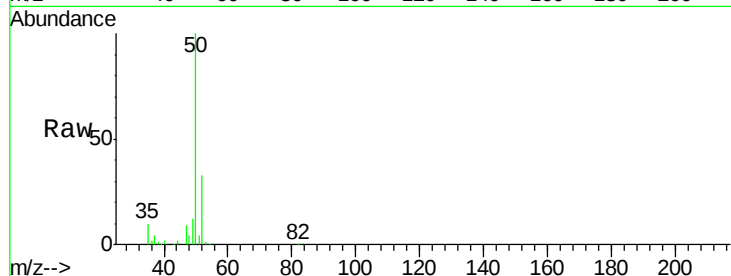
VSTDCCC050

Tgt Ion: 50 Resp: 87035

Ion Ratio Lower Upper

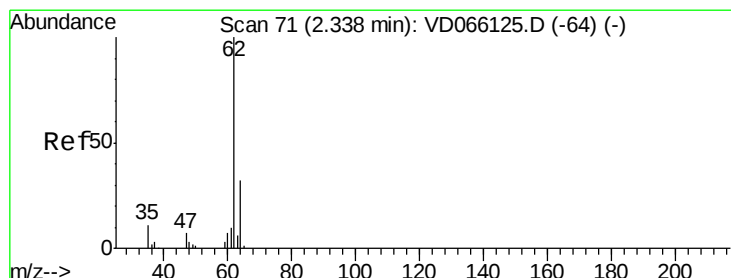
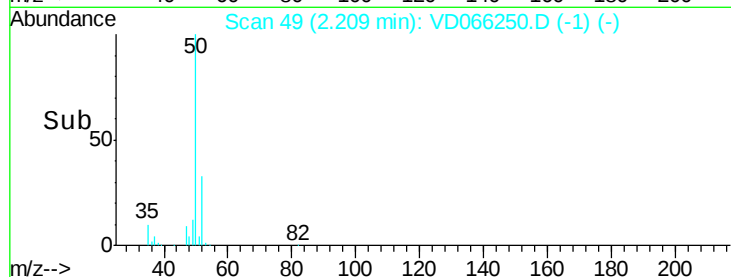
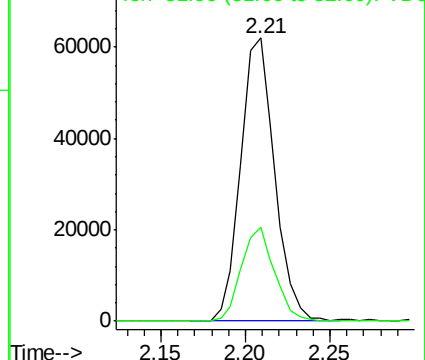
50 100

52 33.3 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.209 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066250.D

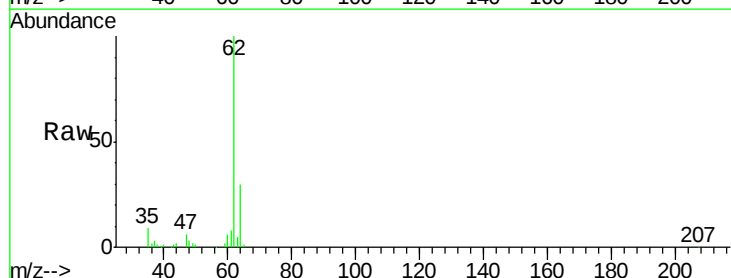
Acq: 17 Aug 2020 11:42

Tgt Ion: 62 Resp: 91492

Ion Ratio Lower Upper

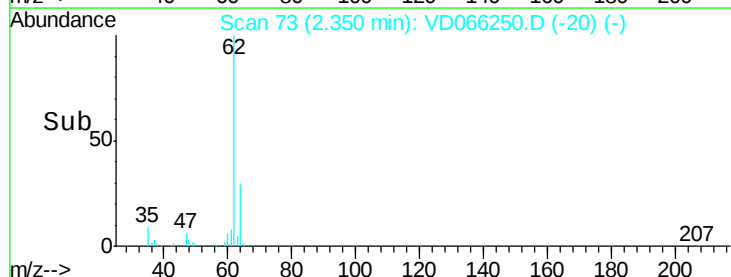
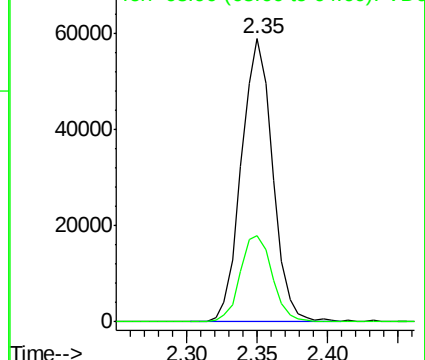
62 100

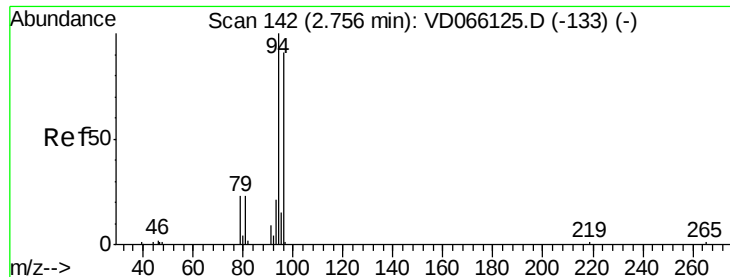
64 30.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.429 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

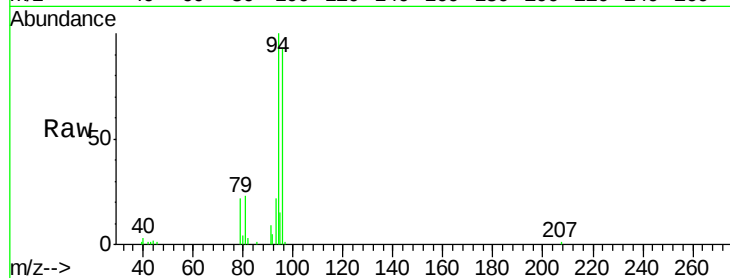
VSTDCCC050

Tgt Ion: 94 Resp: 60961

Ion Ratio Lower Upper

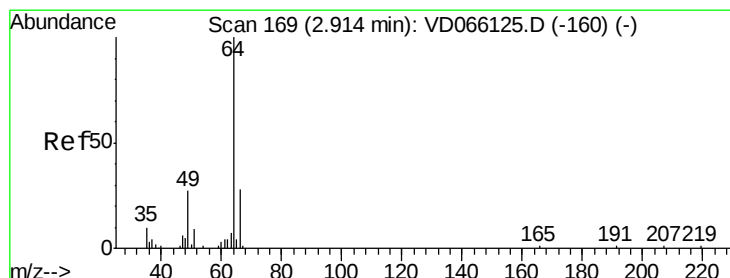
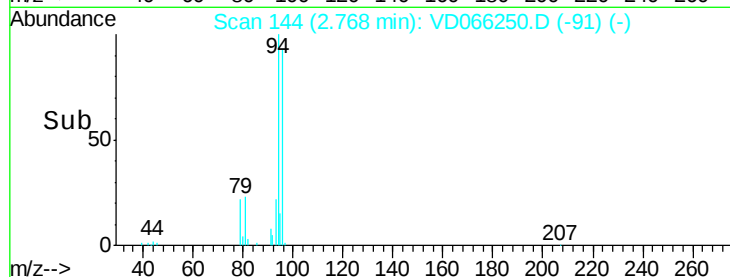
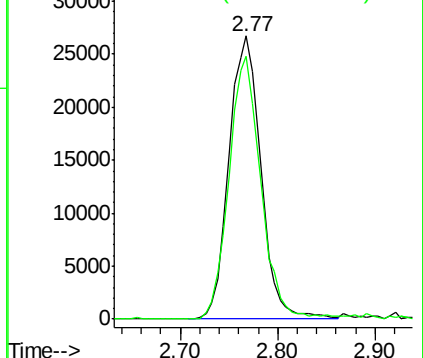
94 100

96 92.9 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.814 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066250.D

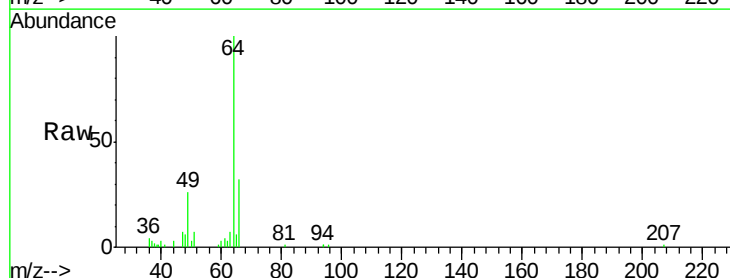
Acq: 17 Aug 2020 11:42

Tgt Ion: 64 Resp: 54631

Ion Ratio Lower Upper

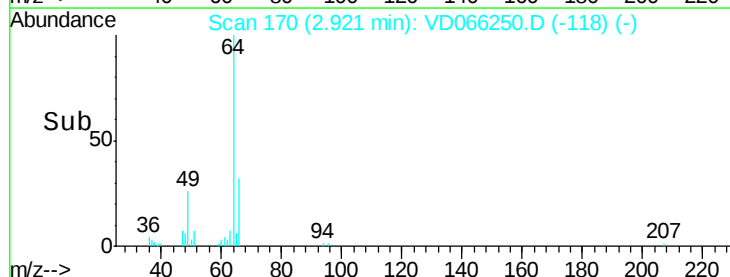
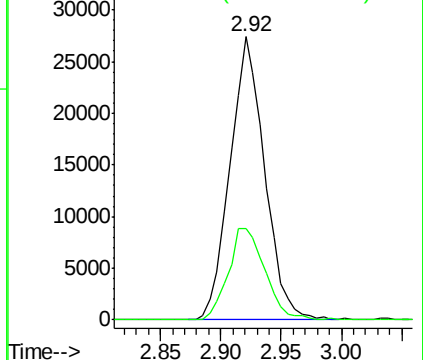
64 100

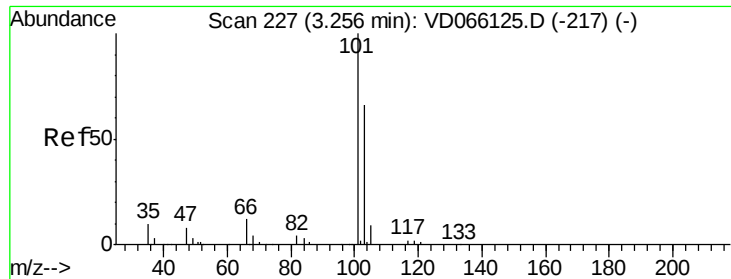
66 32.1 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



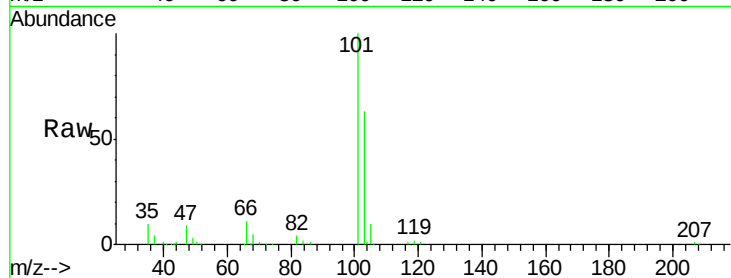


#7

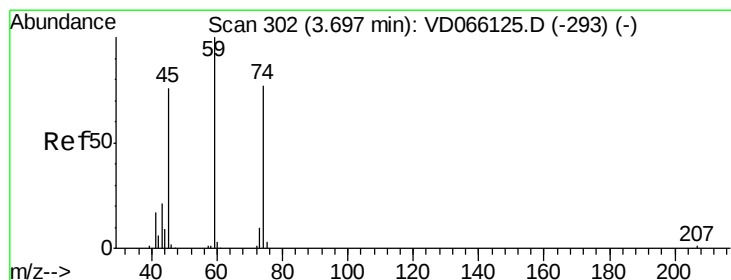
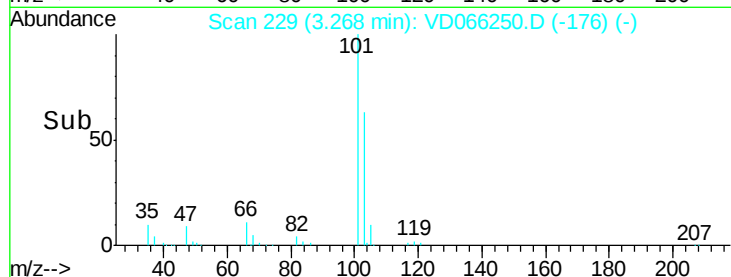
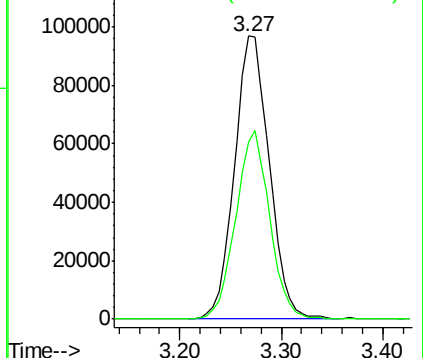
Trichlorofluoromethane
Concen: 49.668 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Instrument :
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Tgt Ion:101 Resp: 231349
Ion Ratio Lower Upper
101 100
103 62.6 53.0 79.6



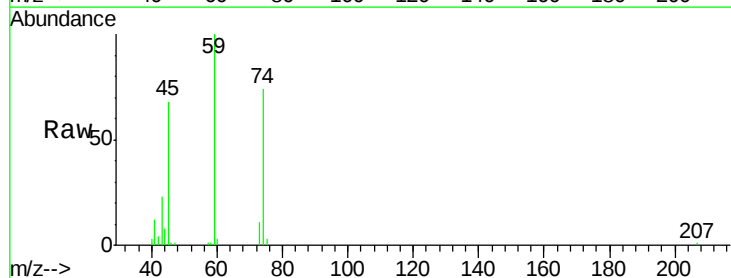
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



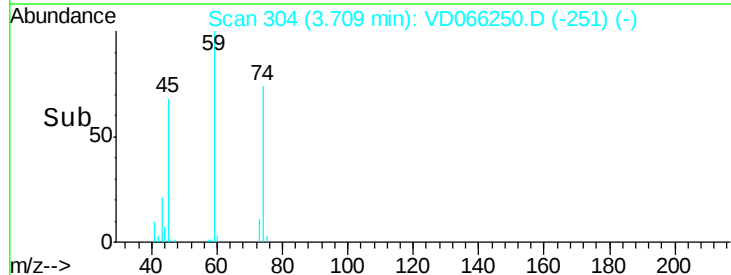
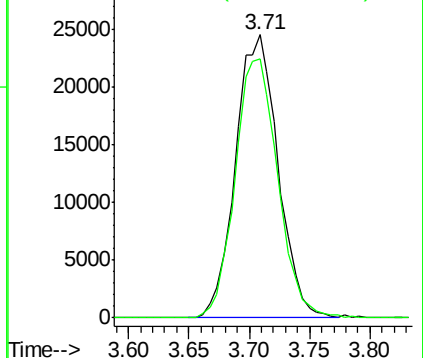
#8

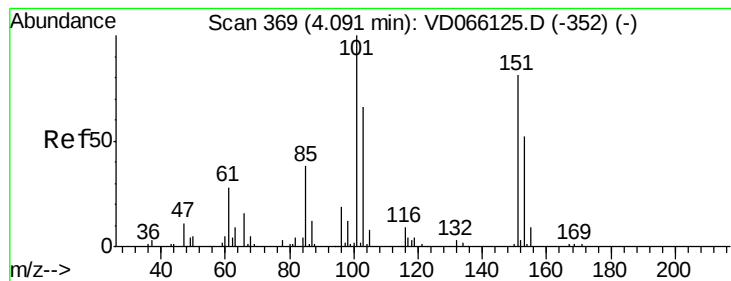
Diethyl Ether
Concen: 45.530 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 74 Resp: 59839
Ion Ratio Lower Upper
74 100
45 92.3 48.4 145.2



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: 49.377 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

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VSTDCCC050

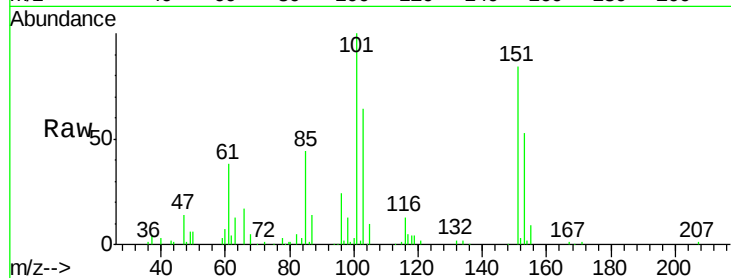
Tgt Ion:101 Resp: 136493

Ion Ratio Lower Upper

101 100

85 42.6 33.5 50.3

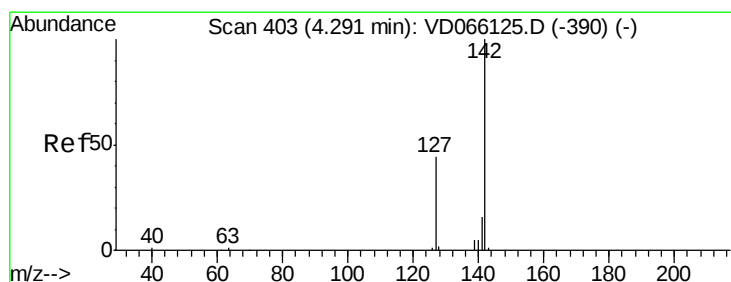
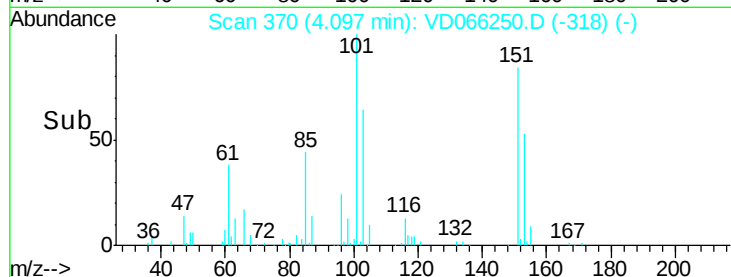
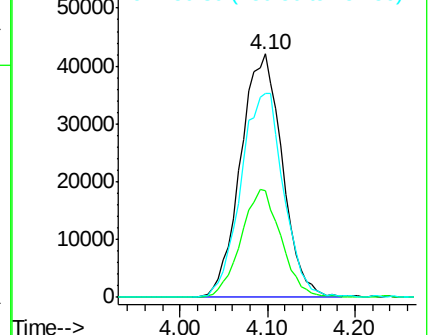
151 86.1 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.290 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

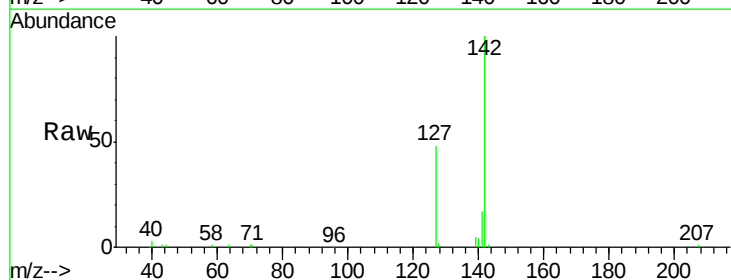
Tgt Ion:142 Resp: 141211

Ion Ratio Lower Upper

142 100

127 44.8 36.2 54.4

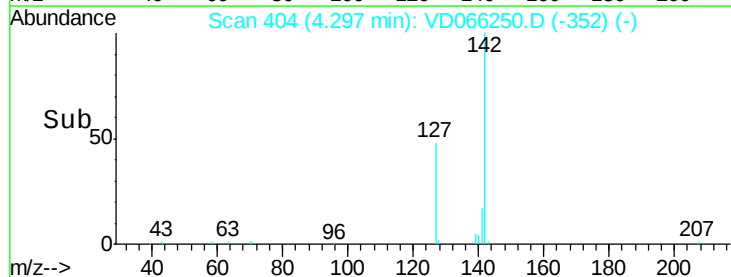
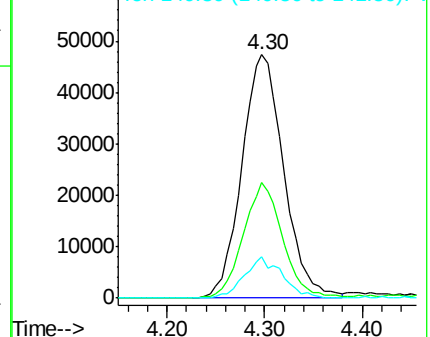
141 15.4 12.6 18.8



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: 205.203 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

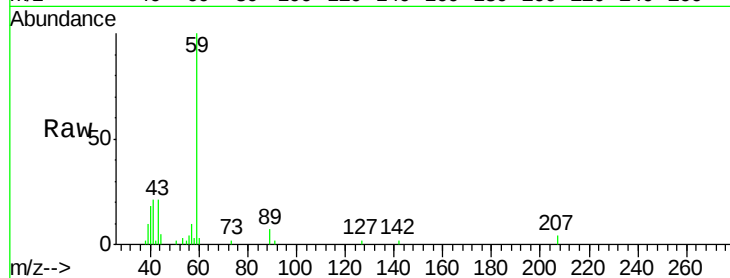
VSTDCCC050

Tgt Ion: 59 Resp: 41588

Ion Ratio Lower Upper

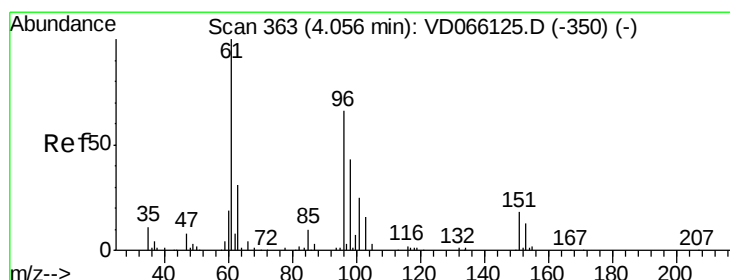
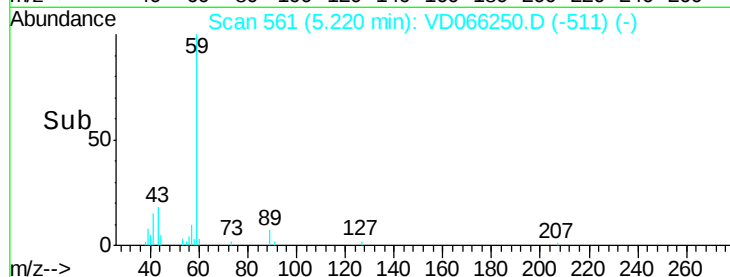
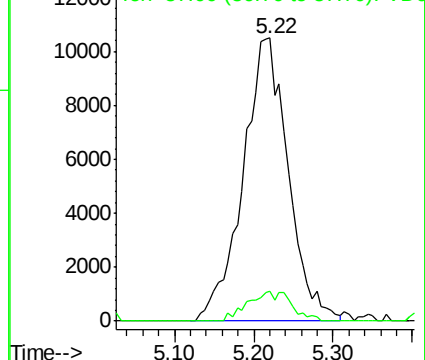
59 100

57 6.3 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 47.642 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

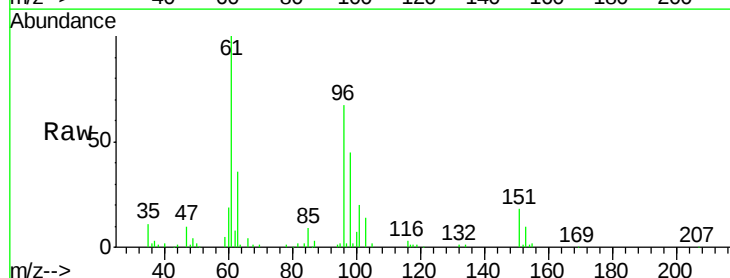
Tgt Ion: 96 Resp: 124237

Ion Ratio Lower Upper

96 100

61 150.4 121.6 182.4

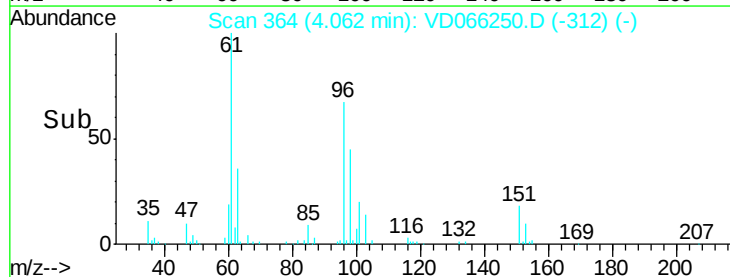
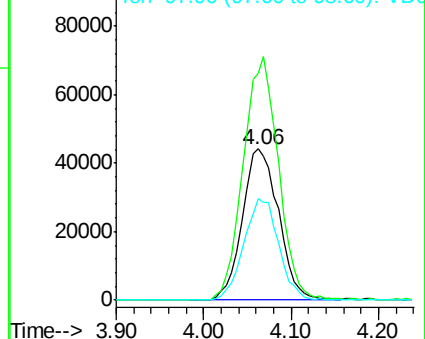
98 67.3 52.0 78.0

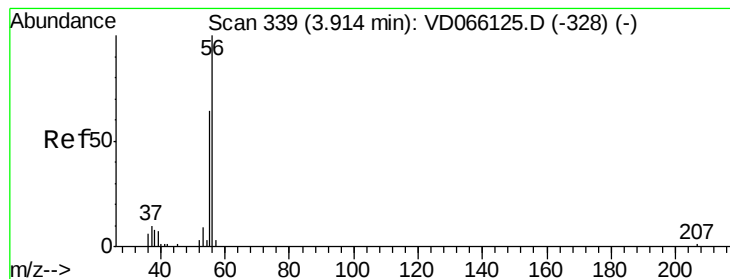


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 220.342 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

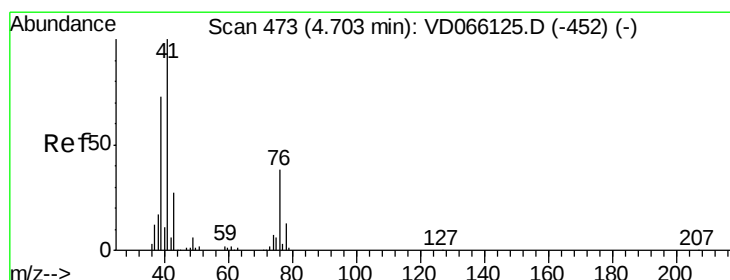
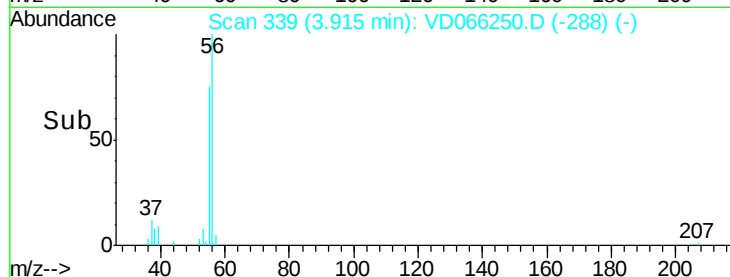
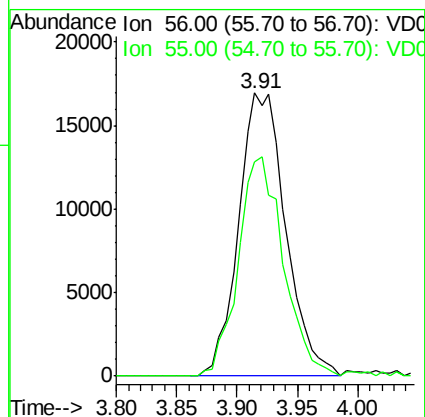
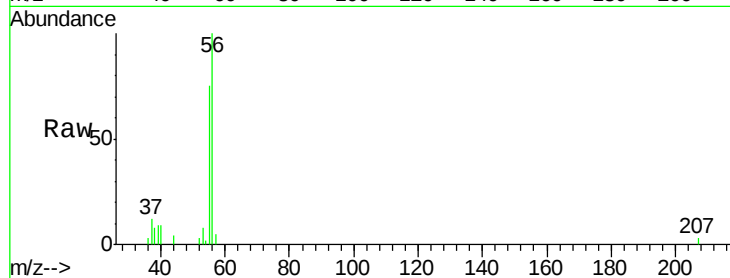
VSTDCCC050

Tgt Ion: 56 Resp: 46074

Ion Ratio Lower Upper

56 100

55 74.2 56.7 85.1



#14

Allyl chloride

Concen: 46.579 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

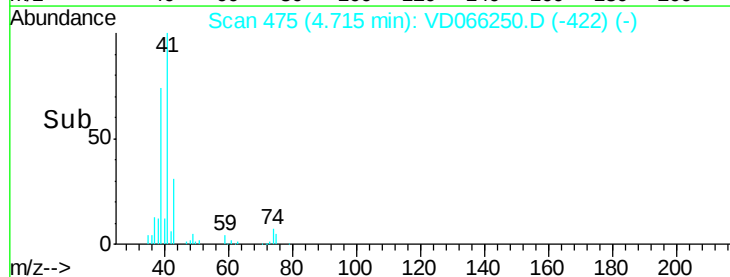
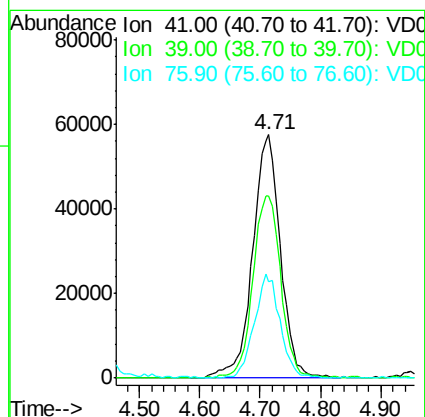
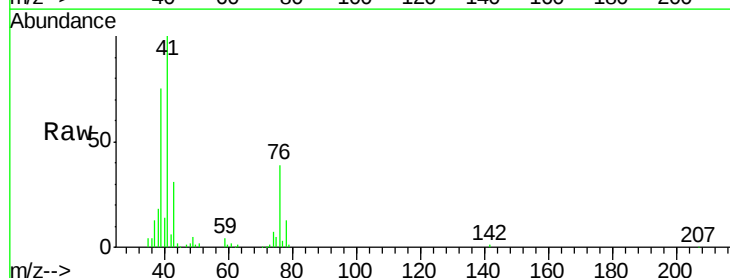
Tgt Ion: 41 Resp: 184015

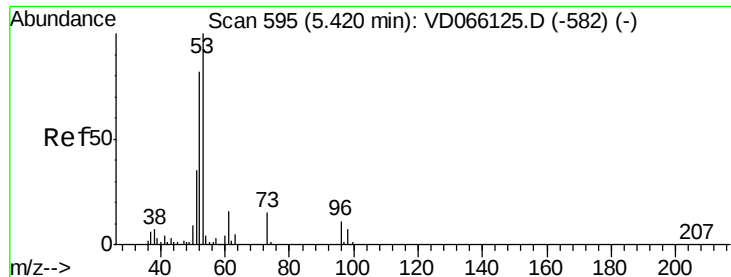
Ion Ratio Lower Upper

41 100

39 75.3 57.4 86.0

76 39.7 30.1 45.1





#15

Acrylonitrile

Concen: 233.355 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

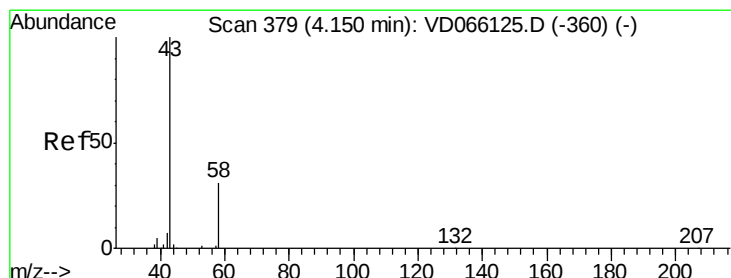
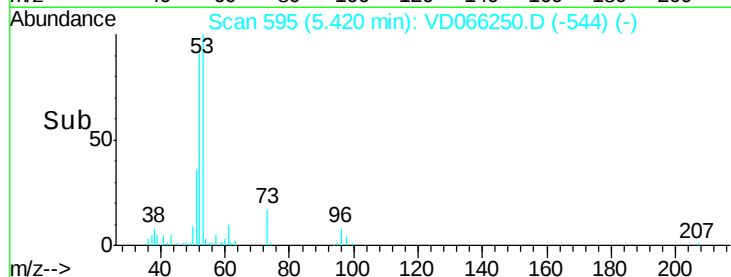
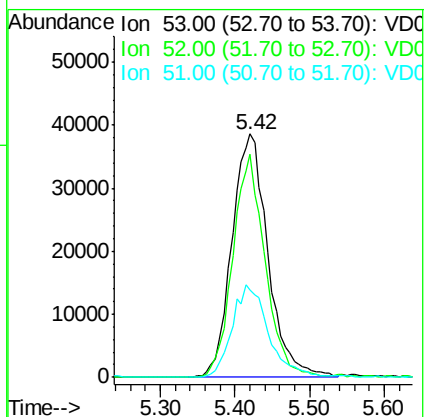
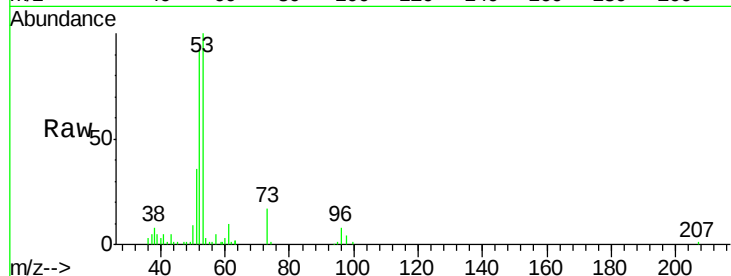
Tgt Ion: 53 Resp: 129239

Ion Ratio Lower Upper

53 100

52 82.4 66.1 99.1

51 38.6 30.8 46.2



#16

Acetone

Concen: 303.374 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066250.D

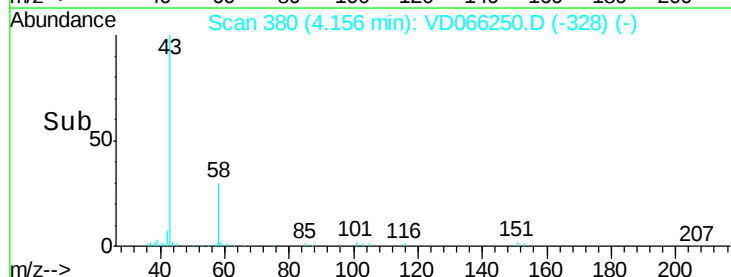
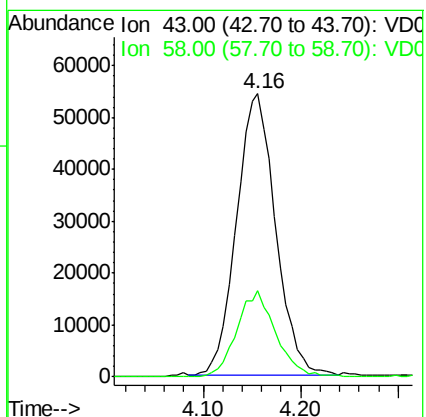
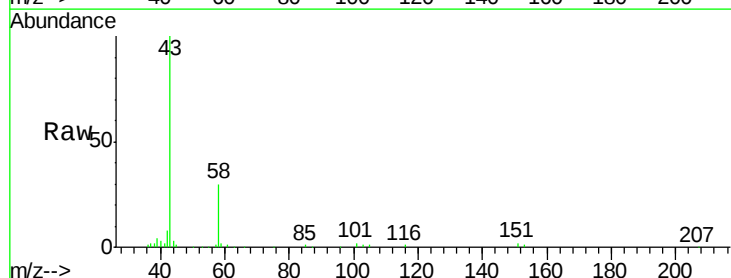
Acq: 17 Aug 2020 11:42

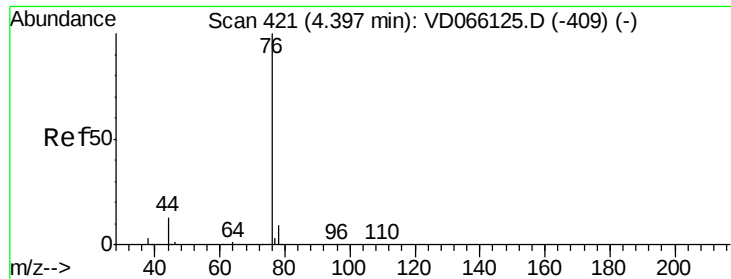
Tgt Ion: 43 Resp: 151217

Ion Ratio Lower Upper

43 100

58 30.5 24.7 37.1

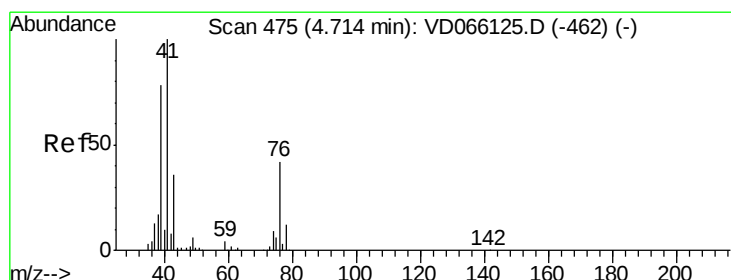
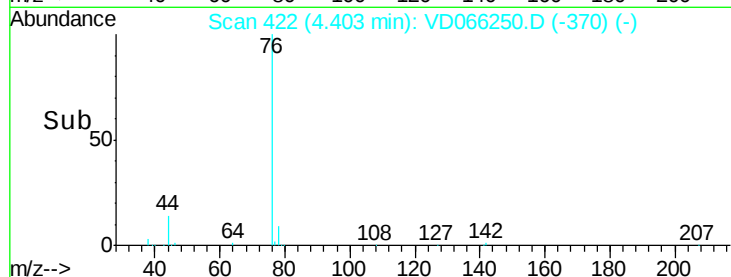
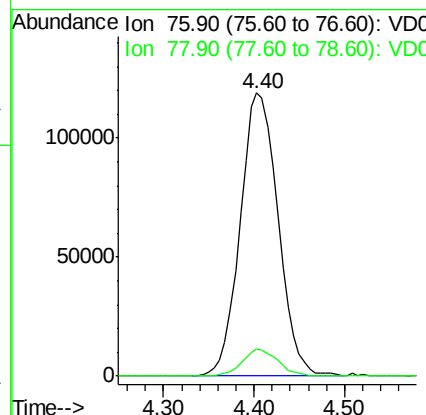
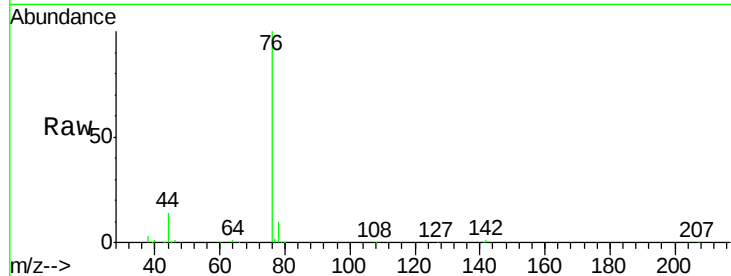




#17
Carbon Disulfide
Concen: 41.756 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

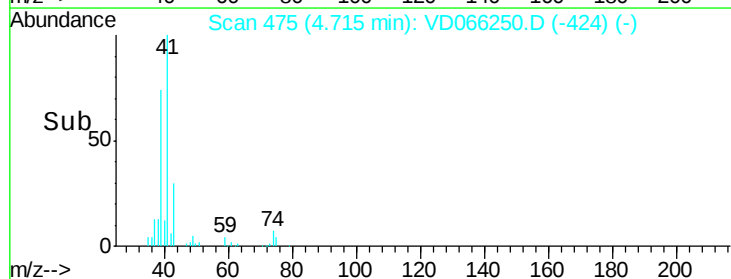
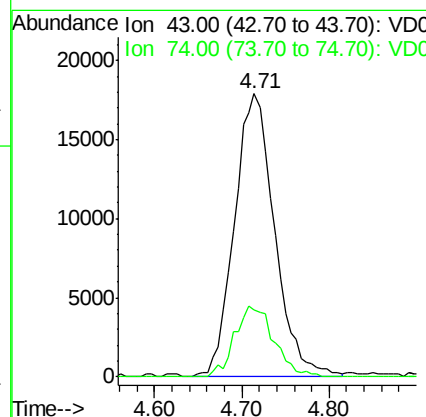
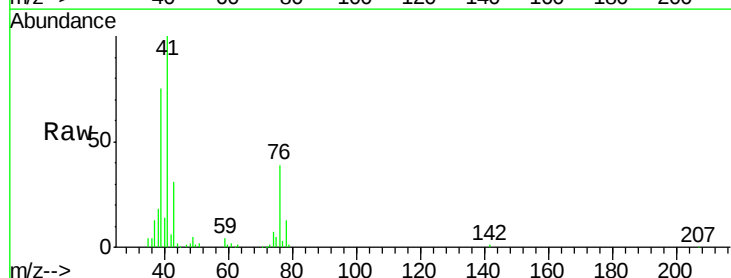
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

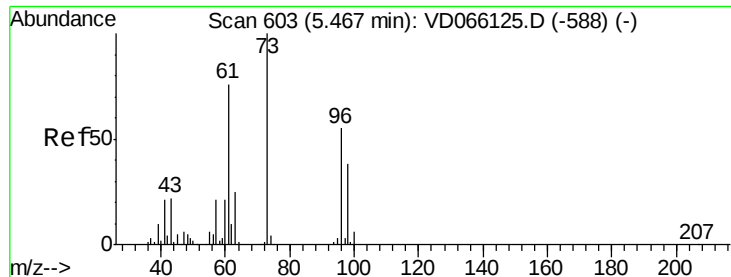
Tgt Ion: 76 Resp: 346219
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#18
Methyl Acetate
Concen: 44.202 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 43 Resp: 55964
Ion Ratio Lower Upper
43 100
74 24.6 21.2 31.8

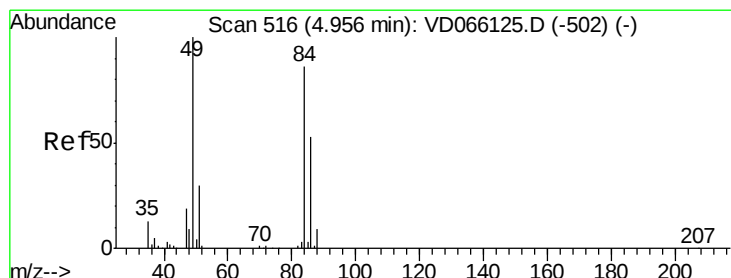
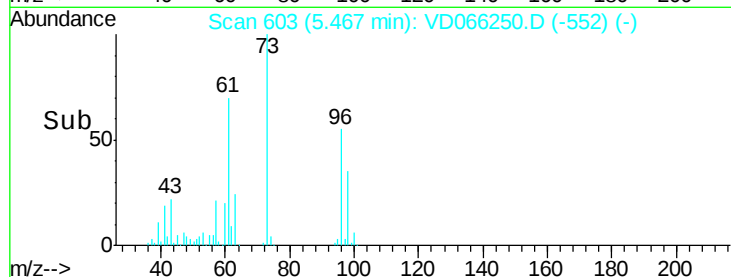
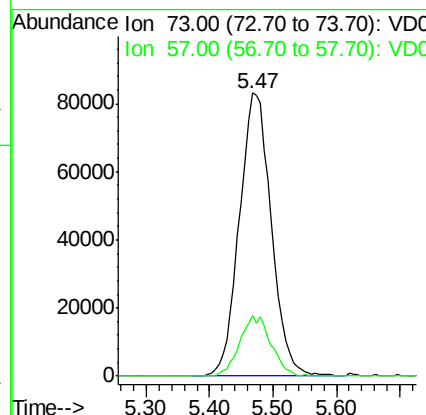
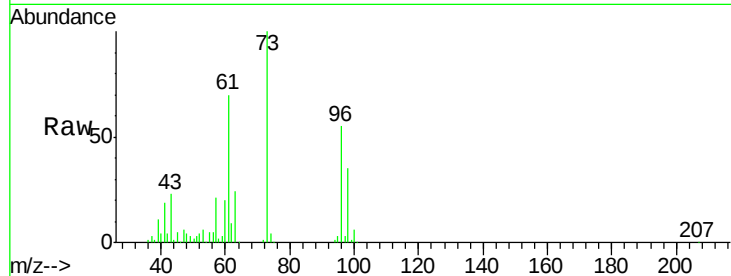




#19
Methyl tert-butyl Ether
Concen: 48.684 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

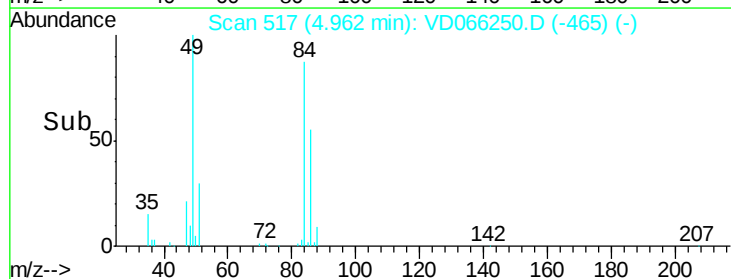
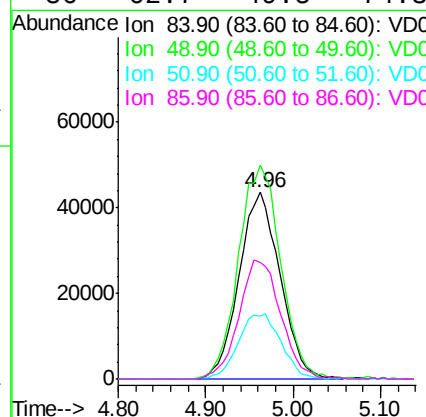
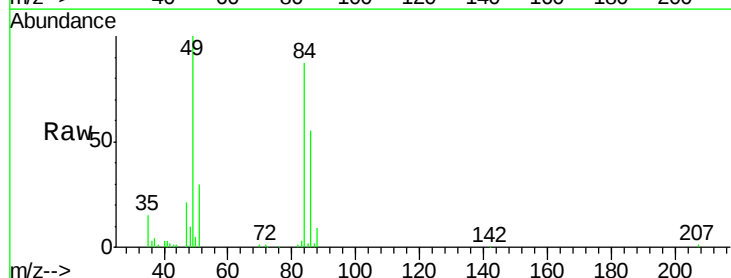
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

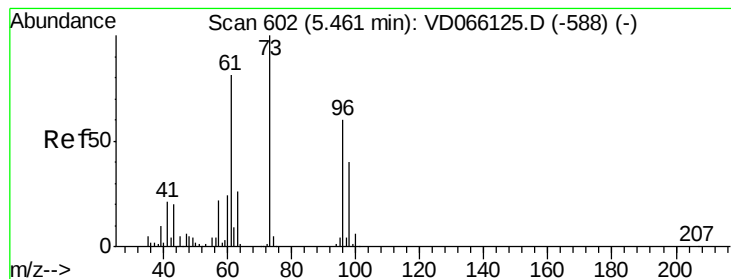
Tgt Ion: 73 Resp: 290989
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 48.470 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 84 Resp: 139157
Ion Ratio Lower Upper
84 100
49 114.5 93.5 140.3
51 33.9 28.2 42.4
86 62.7 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 47.452 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

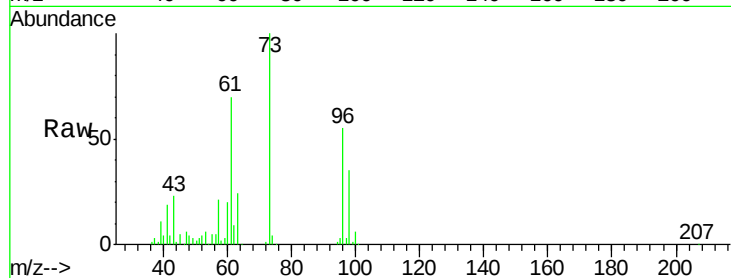
Tgt Ion: 96 Resp: 142152

Ion Ratio Lower Upper

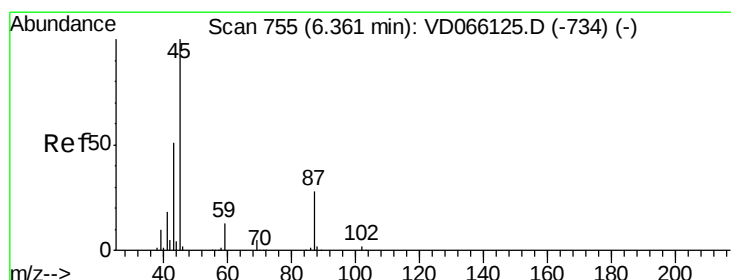
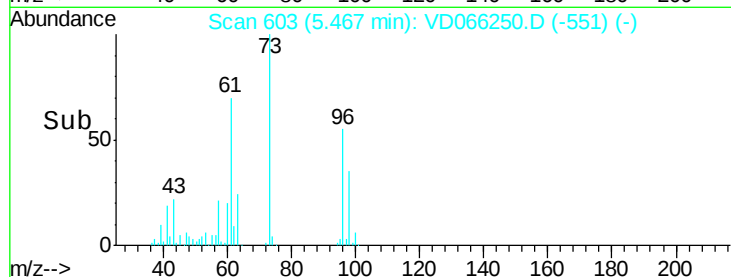
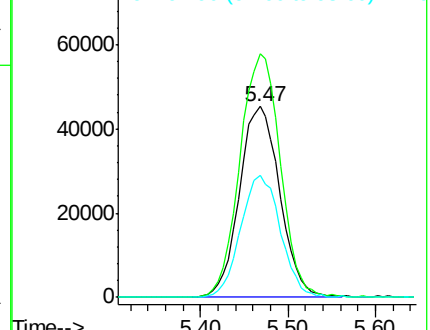
96 100

61 127.7 106.9 160.3

98 63.8 53.4 80.0



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



#22

Diisopropyl ether

Concen: 45.990 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Tgt Ion: 45 Resp: 359293

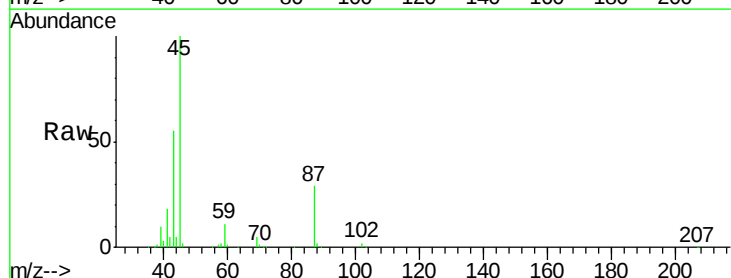
Ion Ratio Lower Upper

45 100

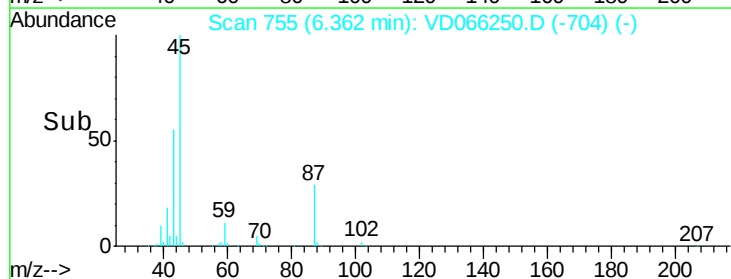
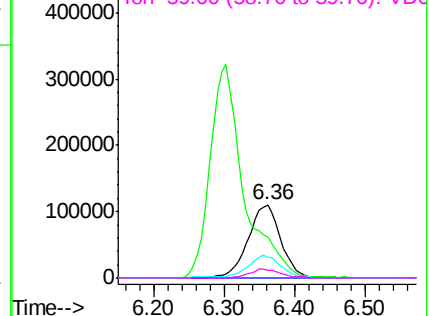
43 54.0 41.2 61.8

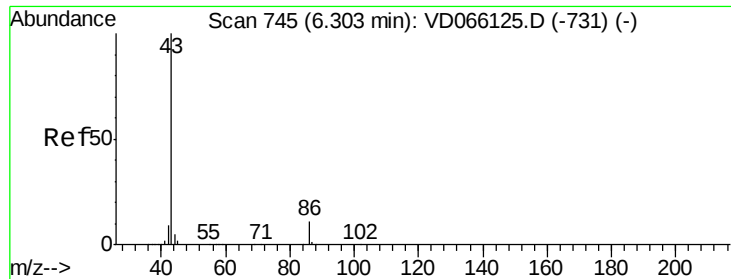
87 28.7 22.8 34.2

59 11.0 10.2 15.2



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: 233.331 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

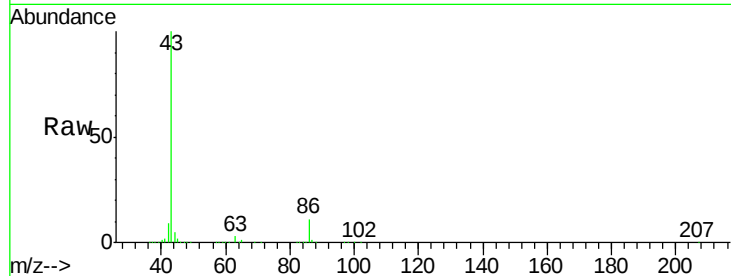
VSTDCCC050

Tgt Ion: 43 Resp: 1067920

Ion Ratio Lower Upper

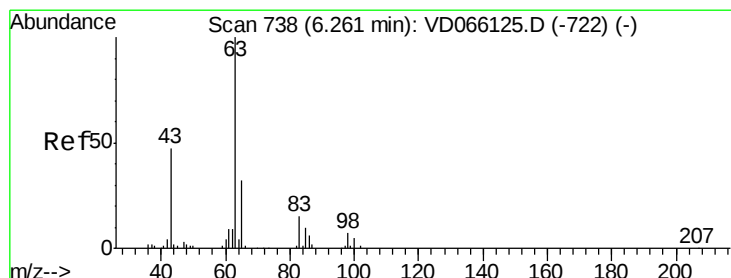
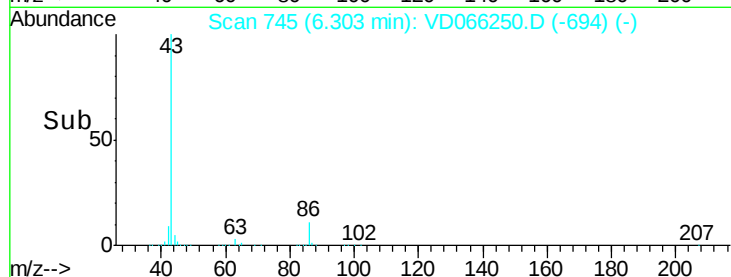
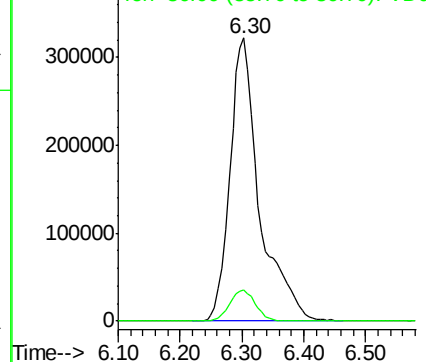
43 100

86 10.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.404 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

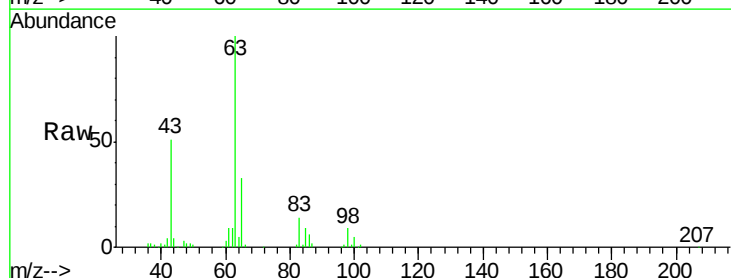
Tgt Ion: 63 Resp: 224356

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

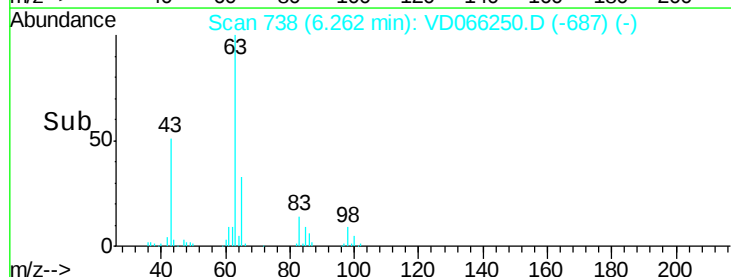
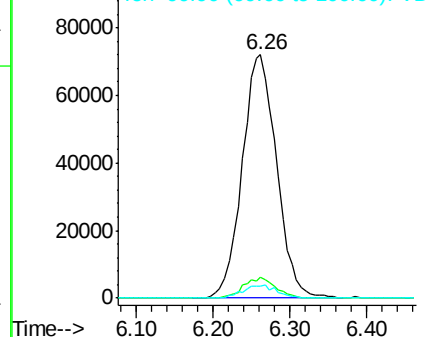
100 5.0 2.4 7.2

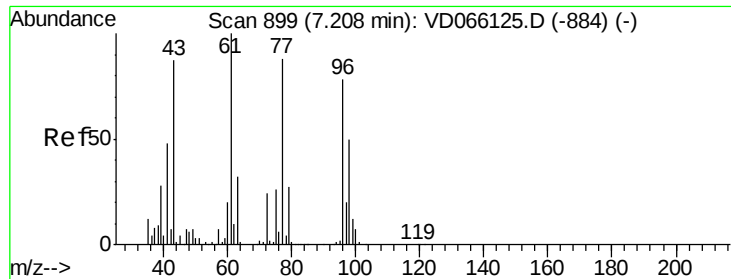


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 235.979 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

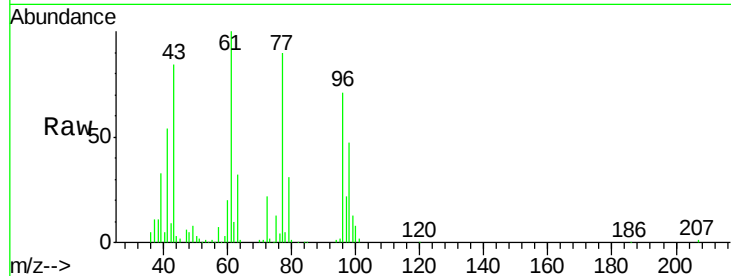
VSTDCCC050

Tgt Ion: 43 Resp: 173003

Ion Ratio Lower Upper

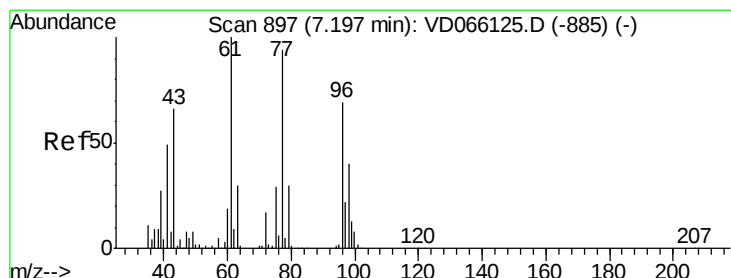
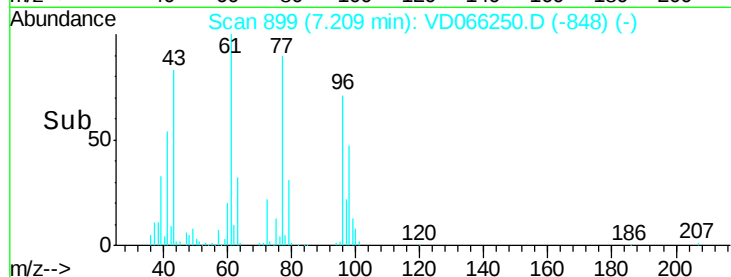
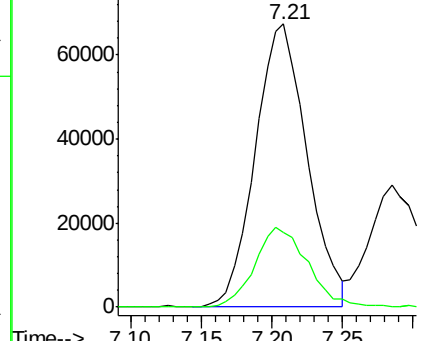
43 100

72 26.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.465 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066250.D

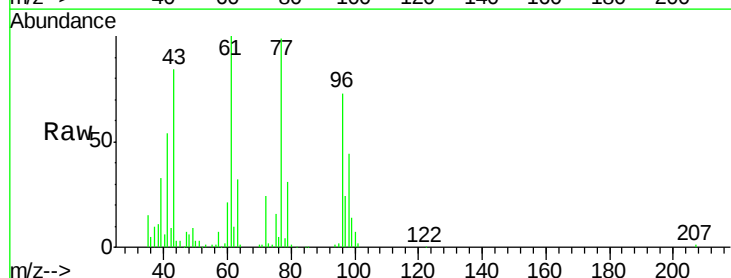
Acq: 17 Aug 2020 11:42

Tgt Ion: 77 Resp: 227350

Ion Ratio Lower Upper

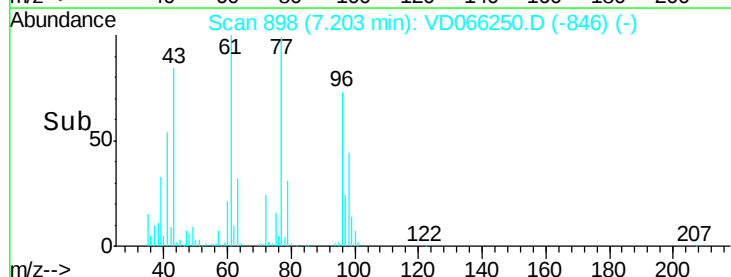
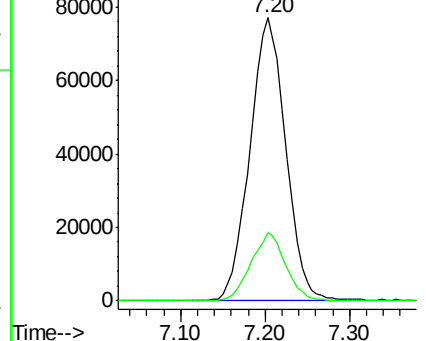
77 100

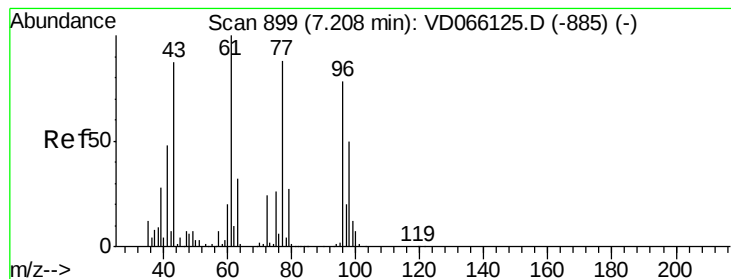
97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



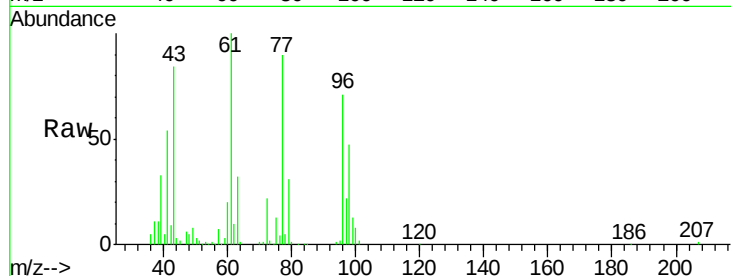


#27

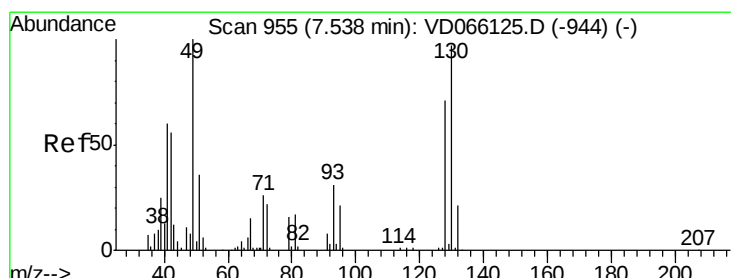
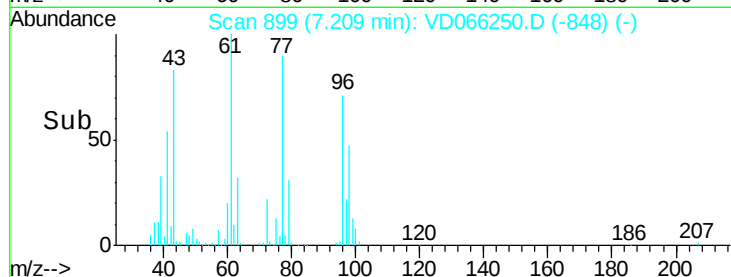
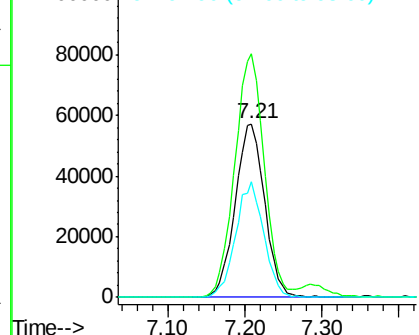
cis-1,2-Dichloroethene
Concen: 48.976 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 153888
Ion Ratio Lower Upper
96 100
61 140.0 0.0 281.6
98 63.0 0.0 130.8



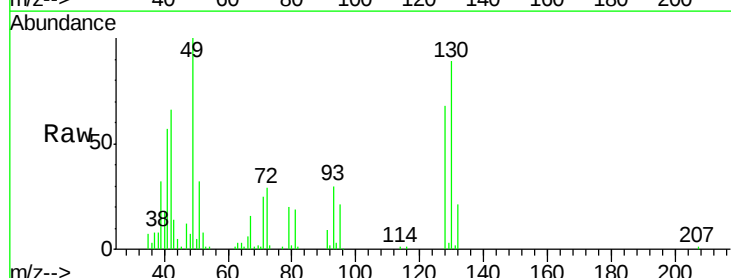
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



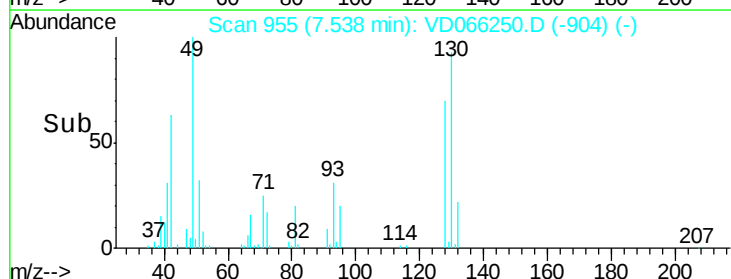
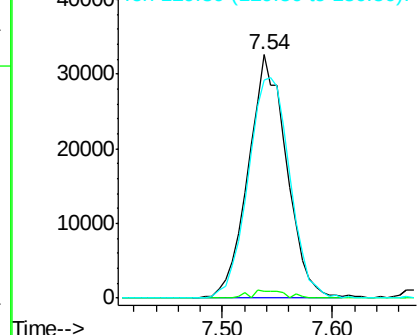
#28

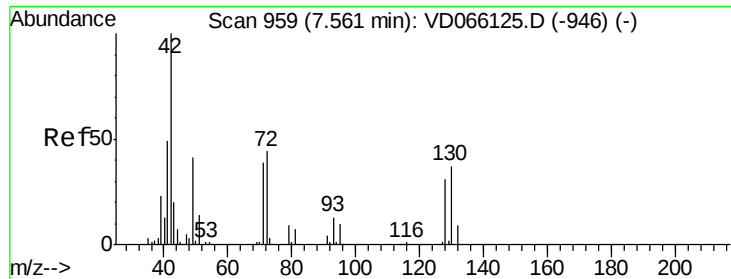
Bromochloromethane
Concen: 46.745 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 49 Resp: 79379
Ion Ratio Lower Upper
49 100
129 2.9 0.0 6.0
130 98.6 73.8 110.6



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

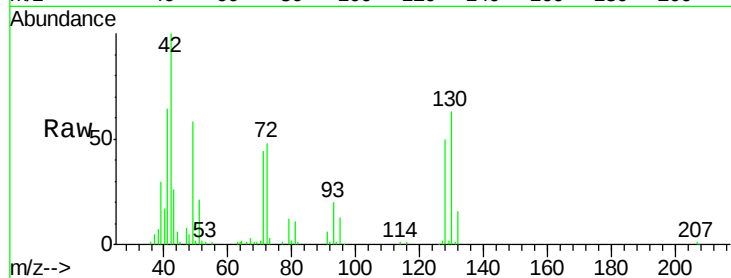




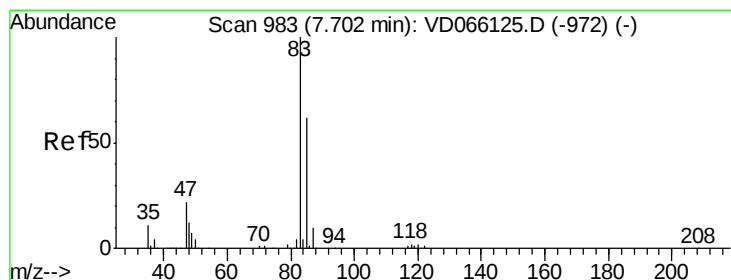
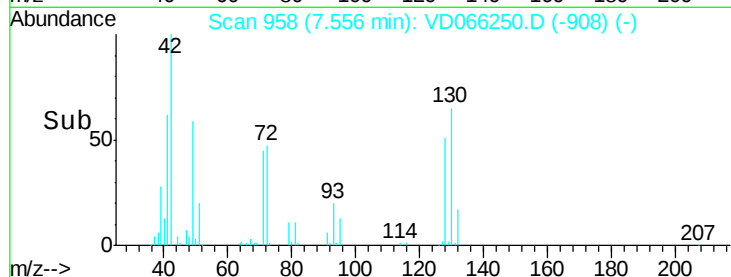
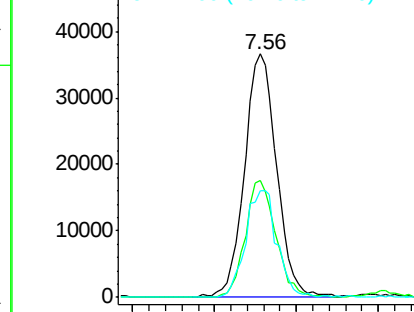
#29
Tetrahydrofuran
Concen: 220.893 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 100334
Ion Ratio Lower Upper
42 100
72 45.4 34.8 52.2
71 42.9 33.5 50.3

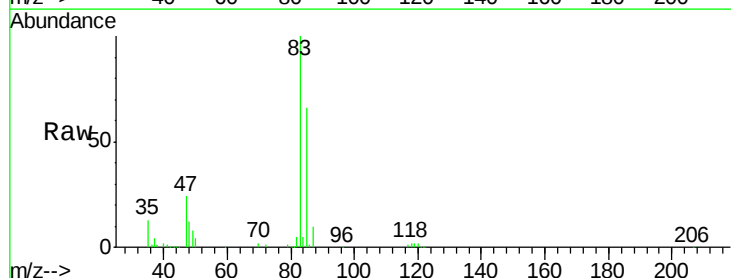


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

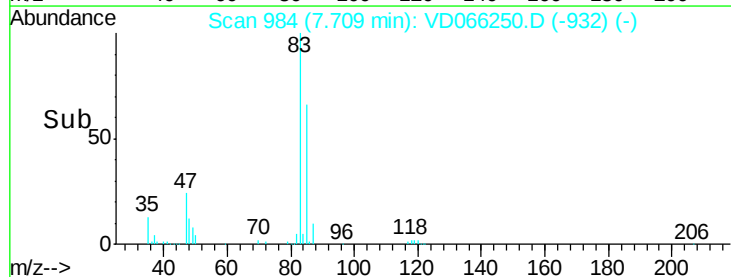
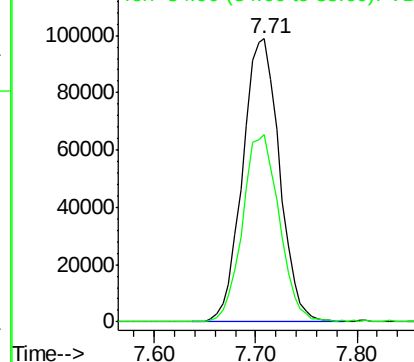


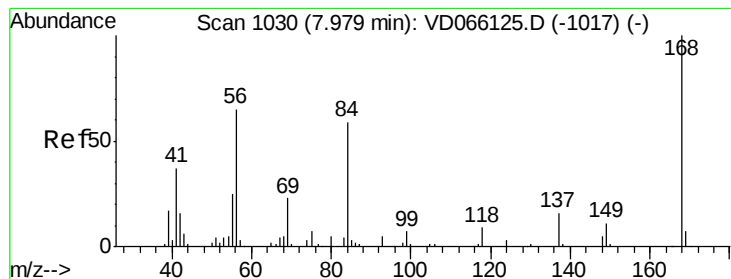
#30
Chloroform
Concen: 48.998 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 83 Resp: 248751
Ion Ratio Lower Upper
83 100
85 66.3 49.5 74.3



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





#31

Cyclohexane

Concen: 43.722 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

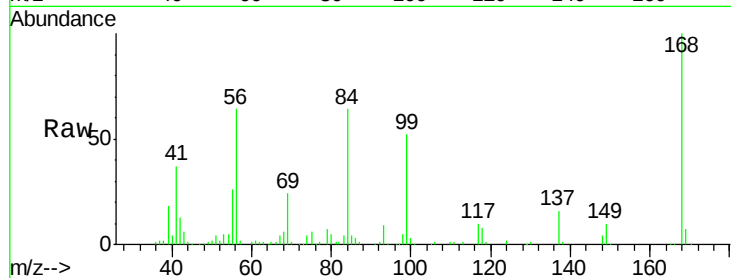
Tgt Ion: 56 Resp: 201222

Ion Ratio Lower Upper

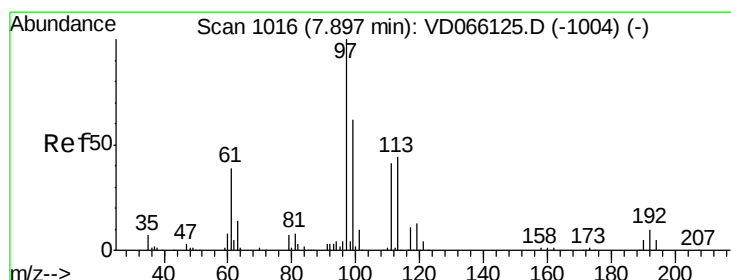
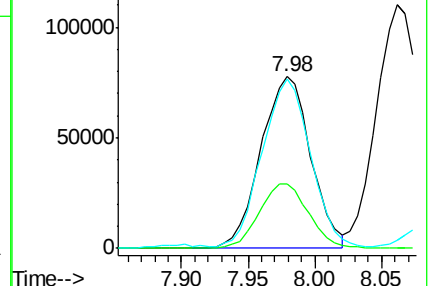
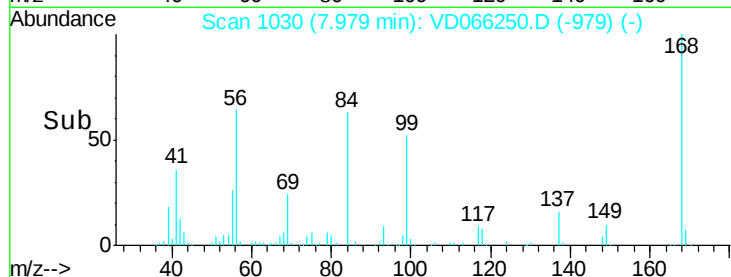
56 100

69 37.3 28.8 43.2

84 97.8 73.0 109.6



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



#32

1,1,1-Trichloroethane

Concen: 51.472 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

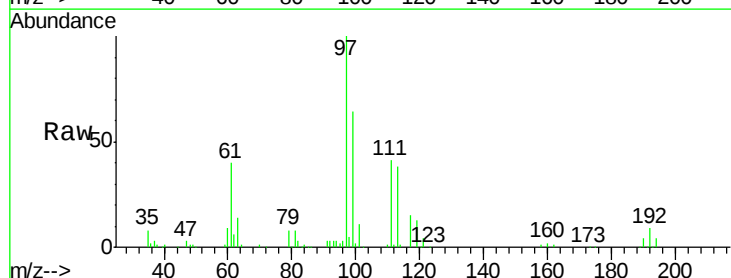
Tgt Ion: 97 Resp: 245008

Ion Ratio Lower Upper

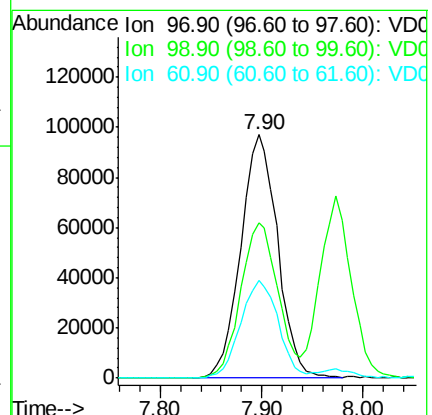
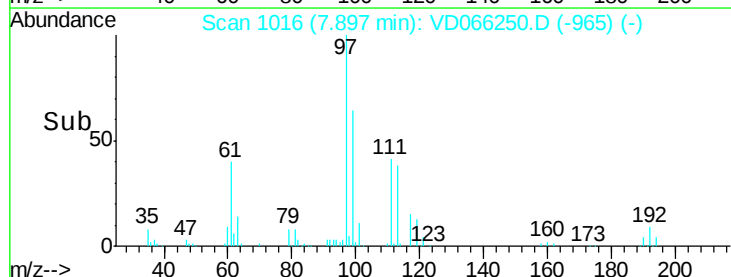
97 100

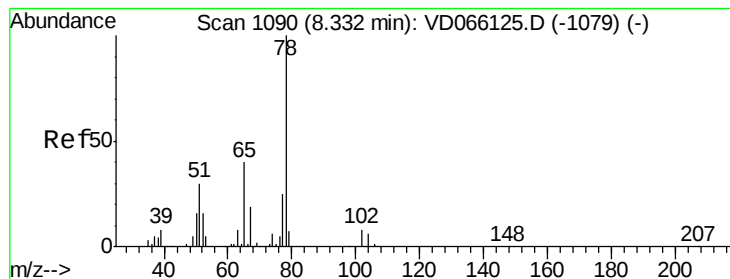
99 65.0 51.1 76.7

61 40.9 32.7 49.1



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





#33

1,2-Dichloroethane-d4

Concen: 47.791 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

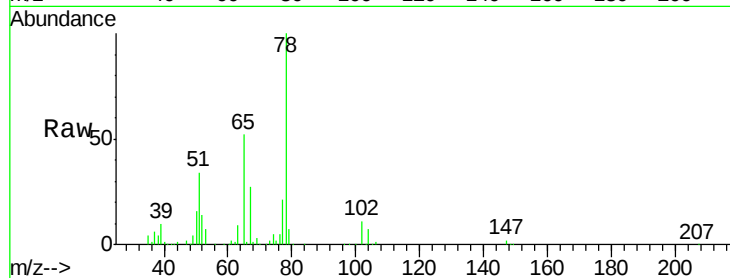
VSTDCCC050

Tgt Ion: 65 Resp: 125546

Ion Ratio Lower Upper

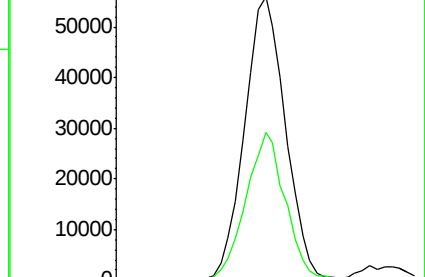
65 100

67 50.7 0.0 104.6

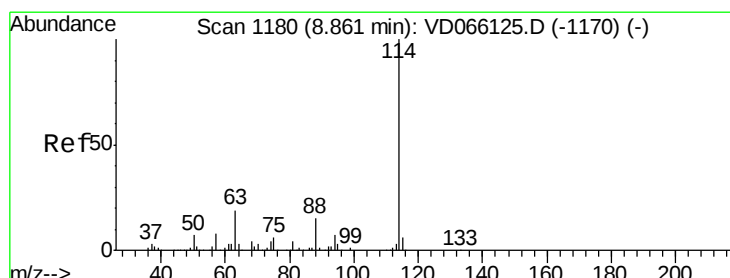
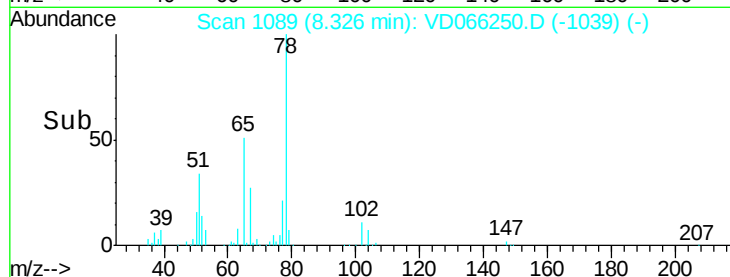


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

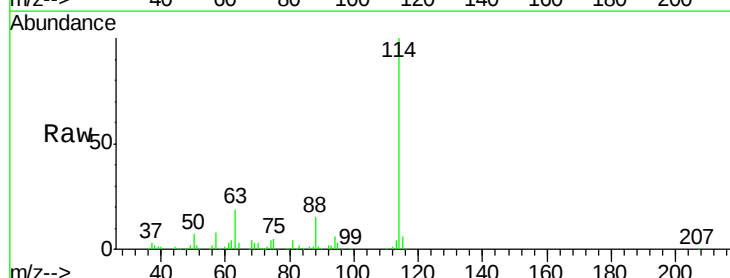
Tgt Ion: 114 Resp: 420935

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

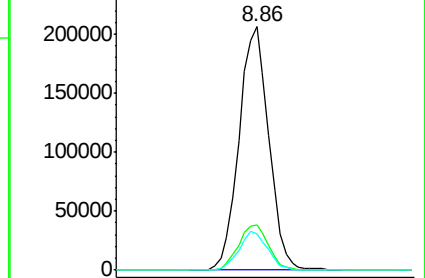
88 15.1 0.0 30.0



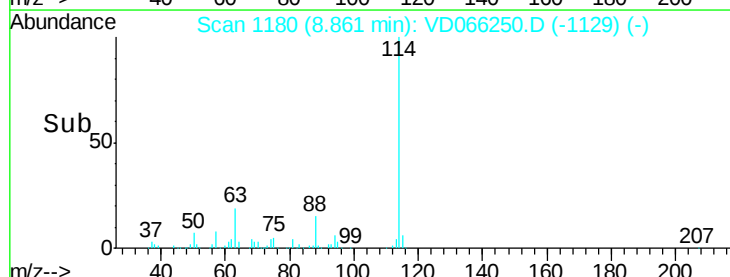
Abundance Ion 113.90 (113.60 to 114.60): V

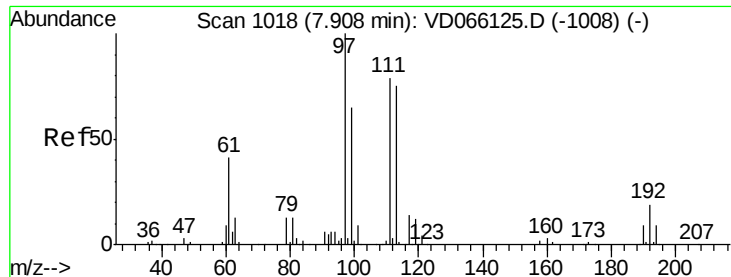
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->

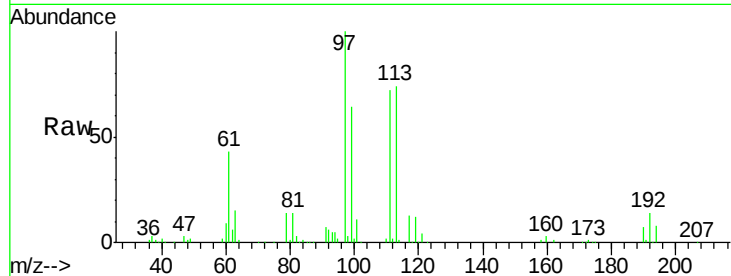




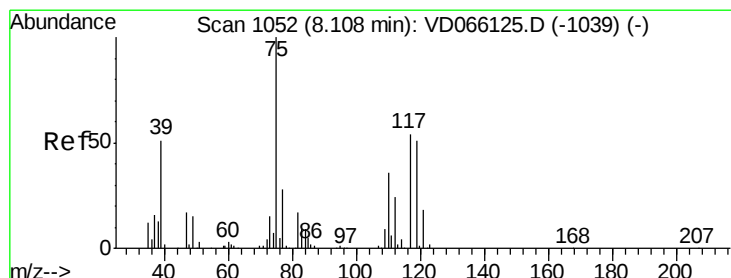
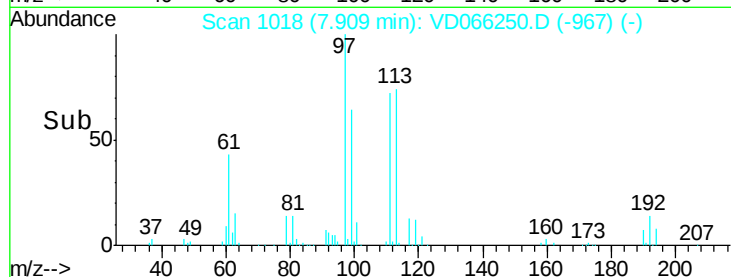
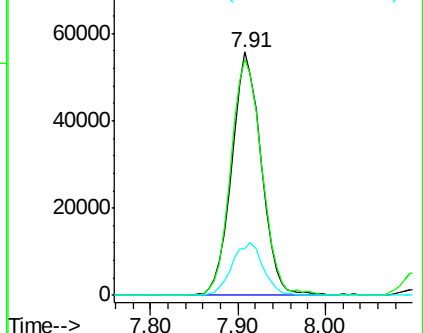
#35
 Dibromofluoromethane
 Concen: 47.736 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 127292
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 22.7 18.4 27.6

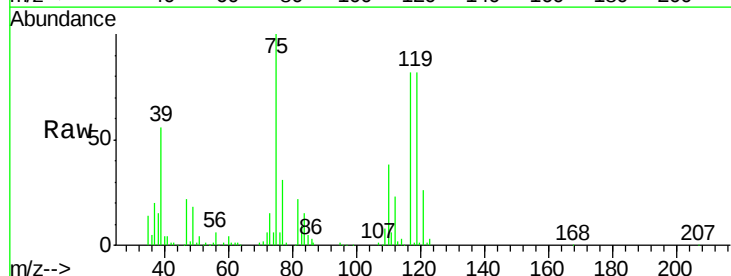


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

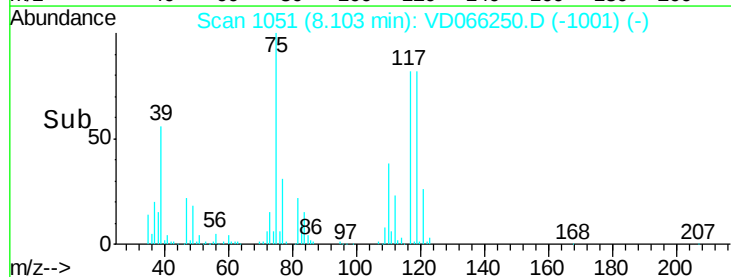
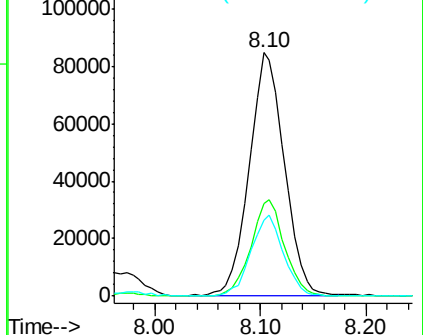


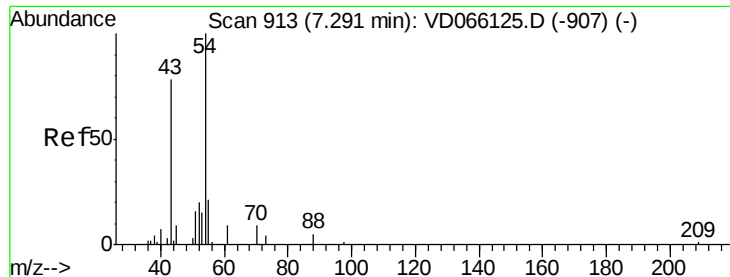
#36
 1,1-Dichloropropene
 Concen: 49.299 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion: 75 Resp: 195003
 Ion Ratio Lower Upper
 75 100
 110 38.1 18.8 56.3
 77 31.2 24.2 36.2



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

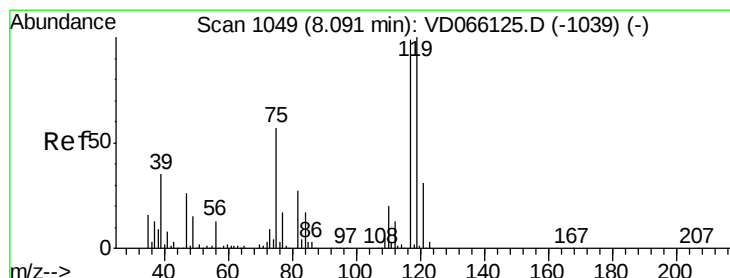
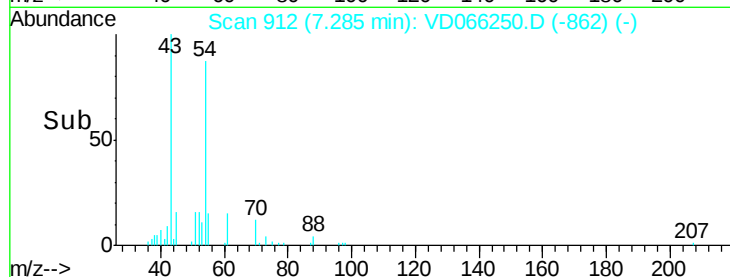
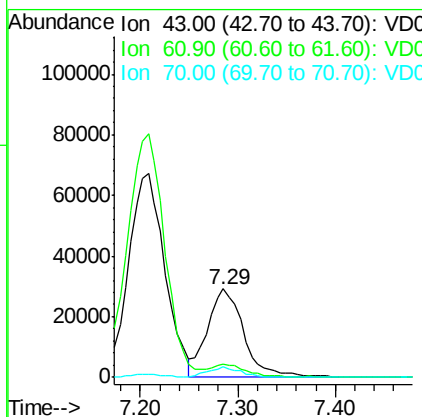
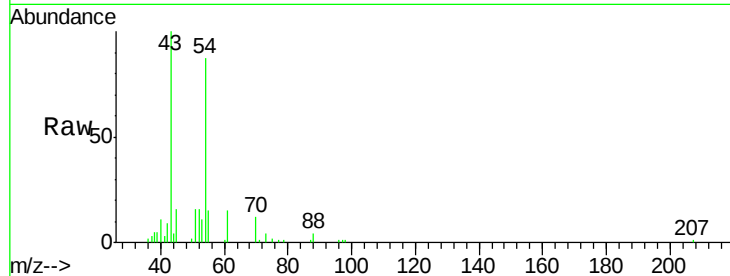




#37
 Ethyl Acetate
 Concen: 47.575 ug/l
 RT: 7.29 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

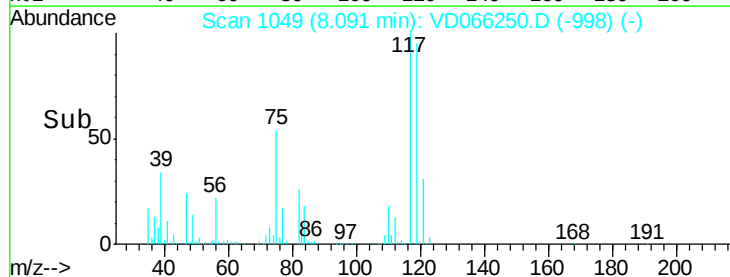
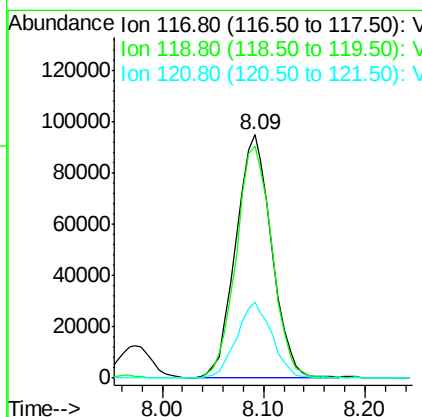
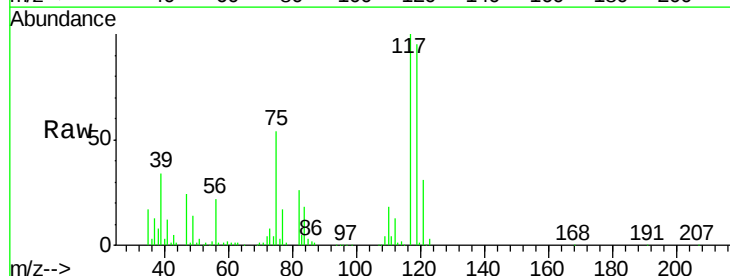
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

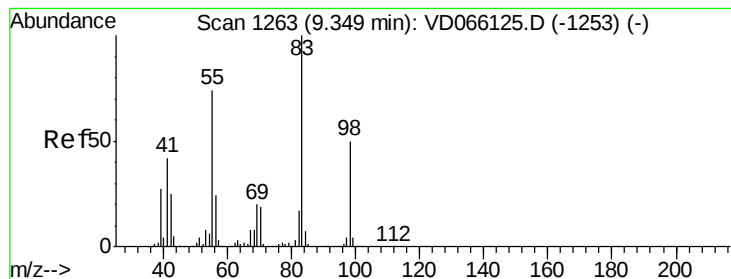
Tgt Ion: 43 Resp: 74561
 Ion Ratio Lower Upper
 43 100
 61 13.7 12.0 18.0
 70 10.4 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 52.421 ug/l
 RT: 8.09 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion: 117 Resp: 231228
 Ion Ratio Lower Upper
 117 100
 119 95.6 81.0 121.4
 121 31.3 24.8 37.2





#39

Methylcyclohexane

Concen: 49.457 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

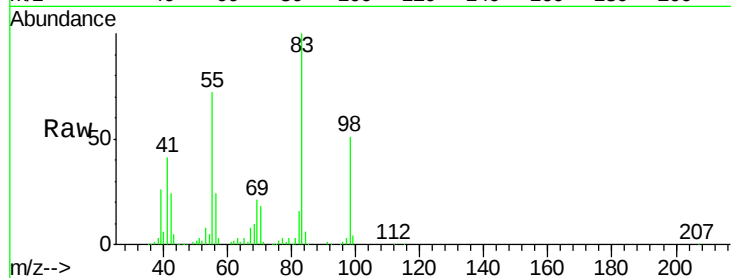
Tgt Ion: 83 Resp: 236481

Ion Ratio Lower Upper

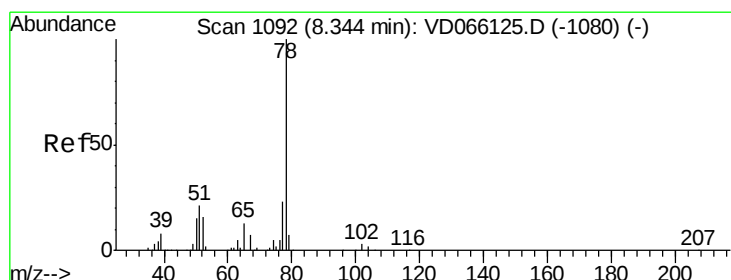
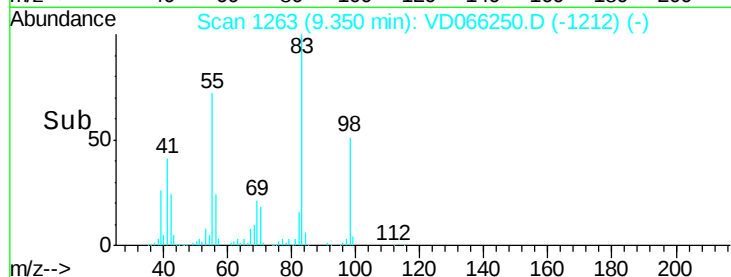
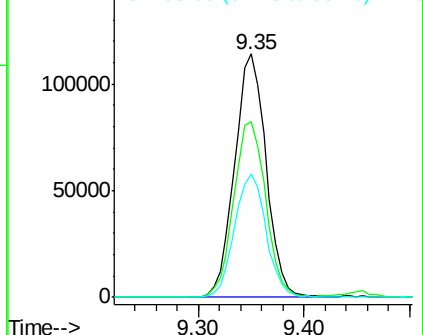
83 100

55 72.4 59.2 88.8

98 50.9 39.8 59.6



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: 48.692 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD066250.D

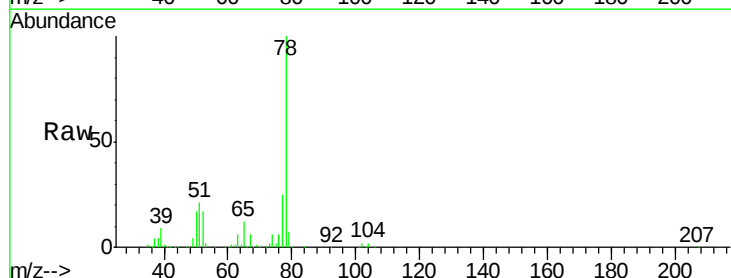
Acq: 17 Aug 2020 11:42

Tgt Ion: 78 Resp: 534288

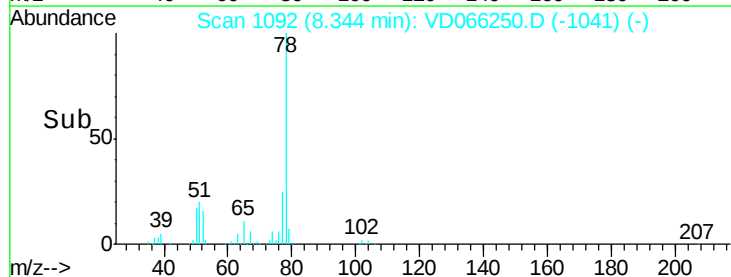
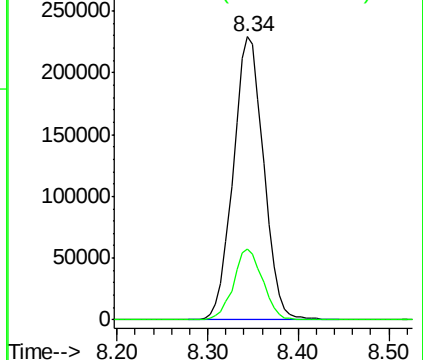
Ion Ratio Lower Upper

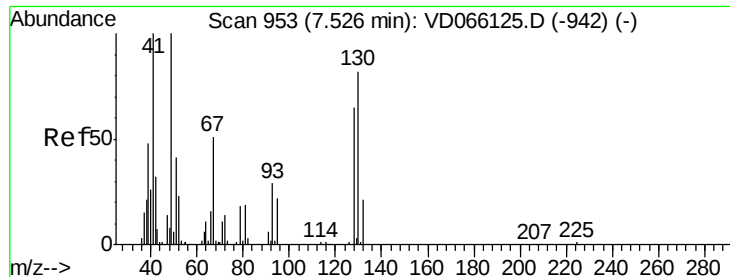
78 100

77 24.9 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 47.229 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 43521

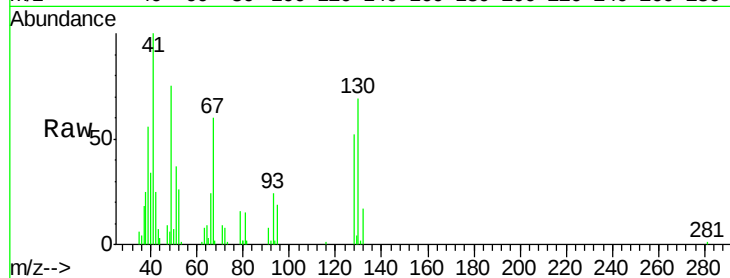
Ion Ratio Lower Upper

41 100

39 48.7 47.5 71.3

67 76.7 59.1 88.7

52 32.6 25.4 38.0

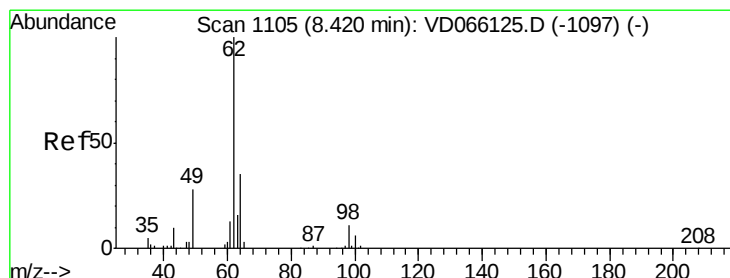
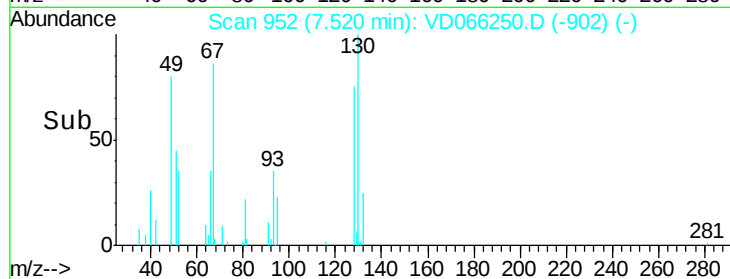
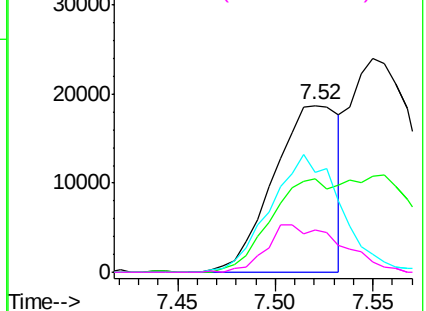


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.542 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066250.D

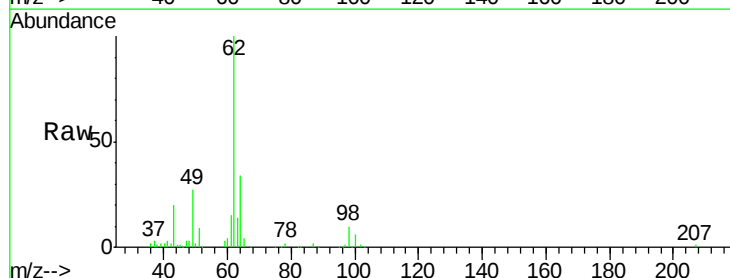
Acq: 17 Aug 2020 11:42

Tgt Ion: 62 Resp: 159700

Ion Ratio Lower Upper

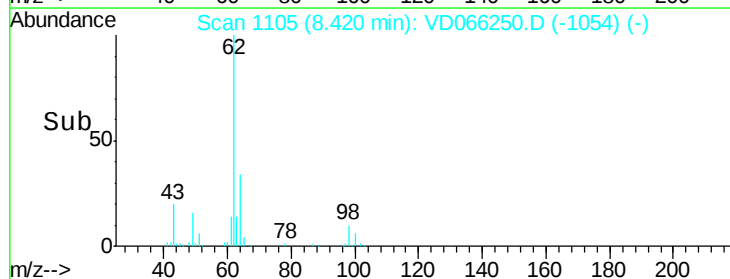
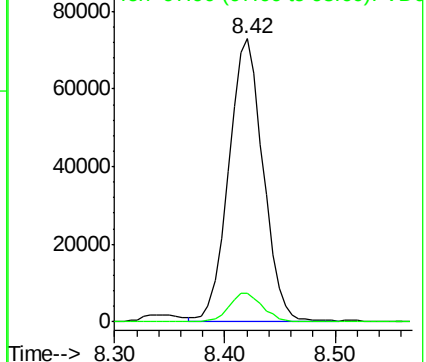
62 100

98 9.9 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

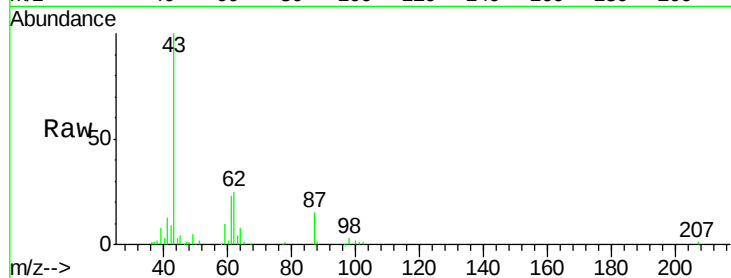




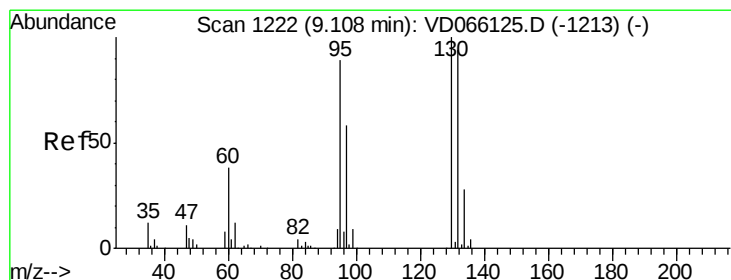
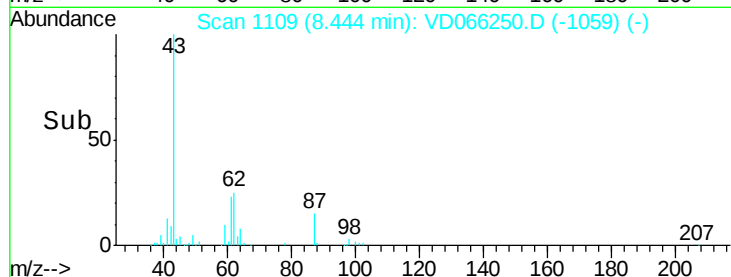
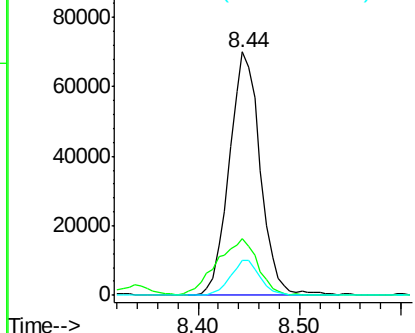
#43
Isopropyl Acetate
Concen: 48.232 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 148935
Ion Ratio Lower Upper
43 100
61 30.7 25.5 38.3
87 13.8 11.2 16.8

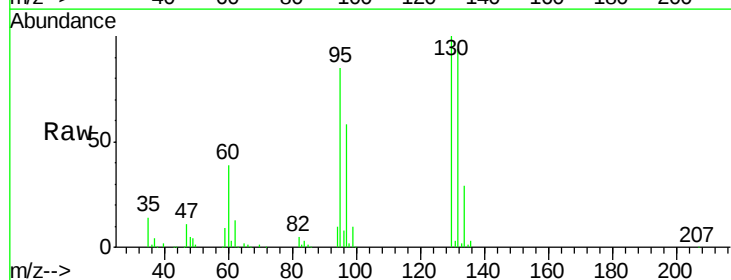


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

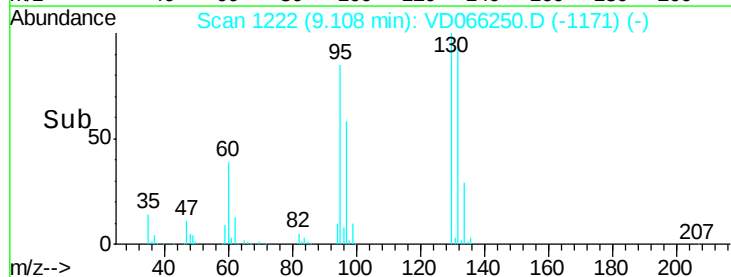
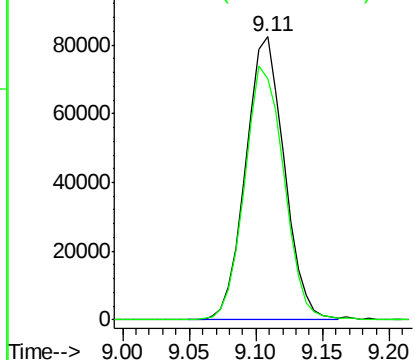


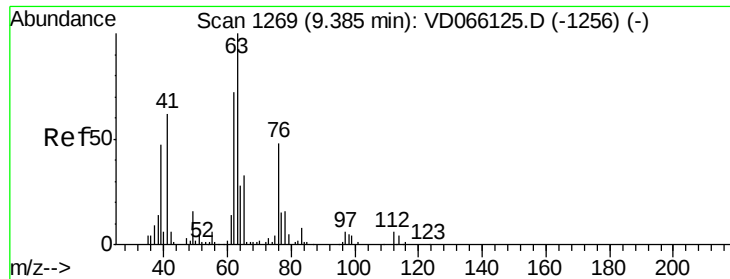
#44
Trichloroethene
Concen: 49.865 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 130 Resp: 164881
Ion Ratio Lower Upper
130 100
95 85.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.214 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

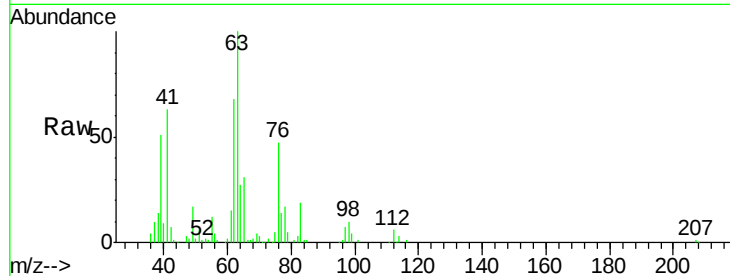
VSTDCCC050

Tgt Ion: 63 Resp: 129392

Ion Ratio Lower Upper

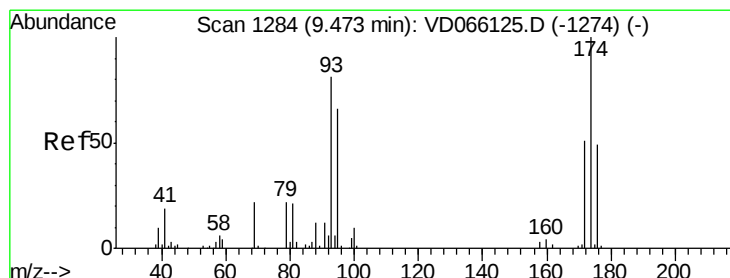
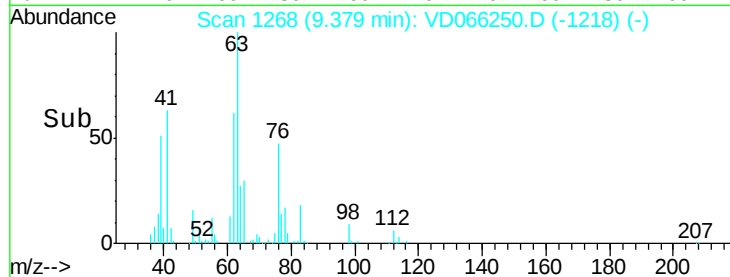
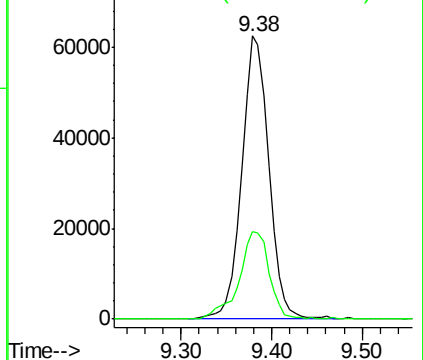
63 100

65 30.7 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.217 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

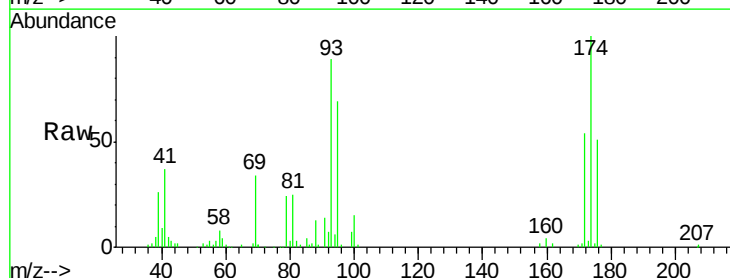
Tgt Ion: 93 Resp: 72754

Ion Ratio Lower Upper

93 100

95 81.0 65.8 98.6

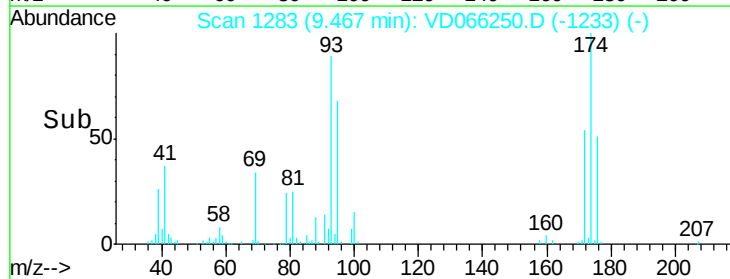
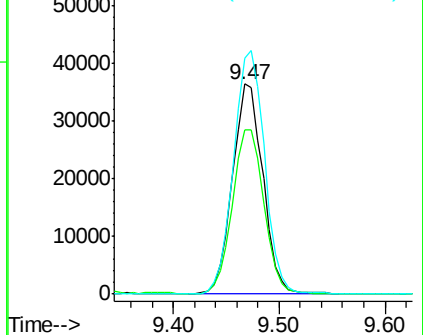
174 117.7 92.8 139.2

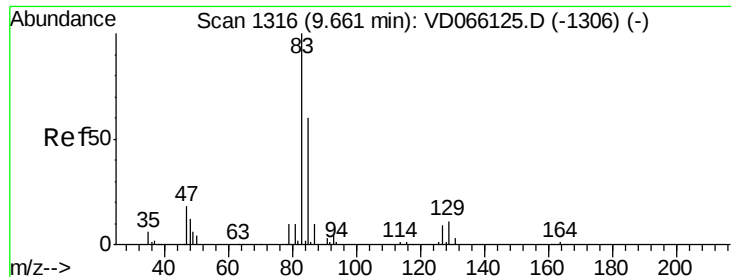


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.966 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

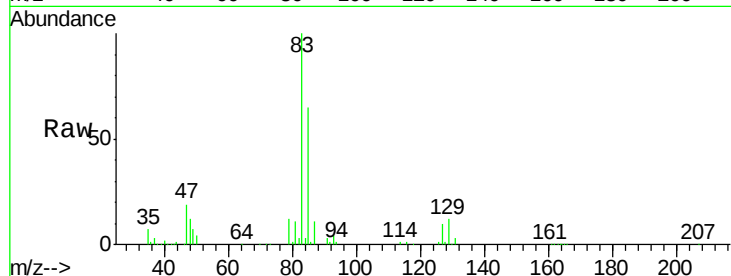
Tgt Ion: 83 Resp: 195217

Ion Ratio Lower Upper

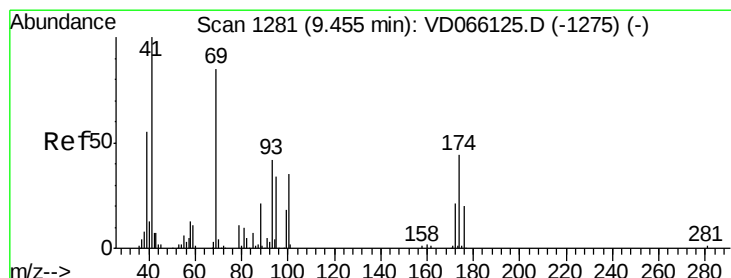
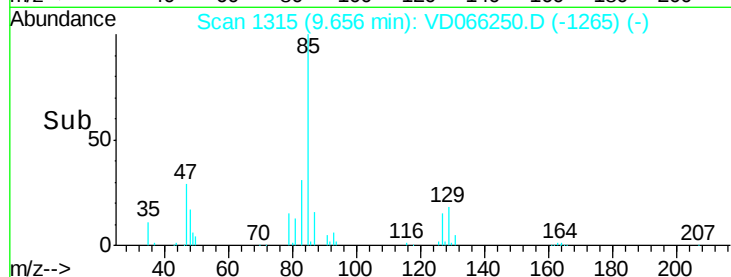
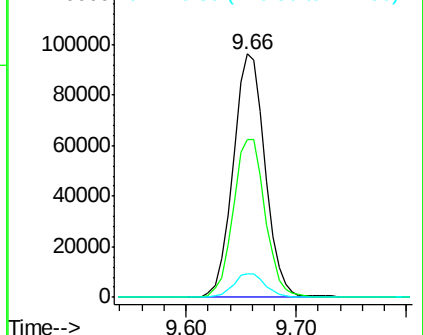
83 100

85 65.0 48.2 72.4

127 9.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 47.959 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

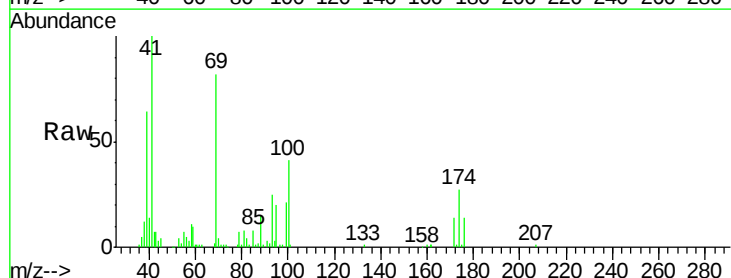
Tgt Ion: 41 Resp: 75619

Ion Ratio Lower Upper

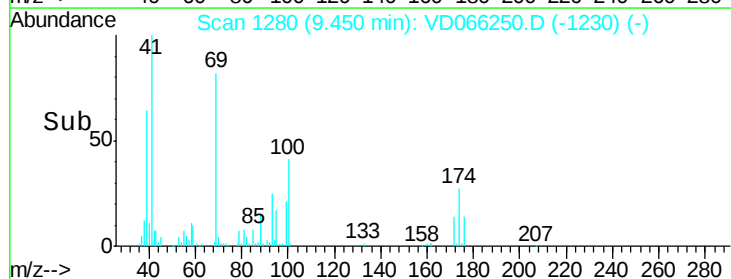
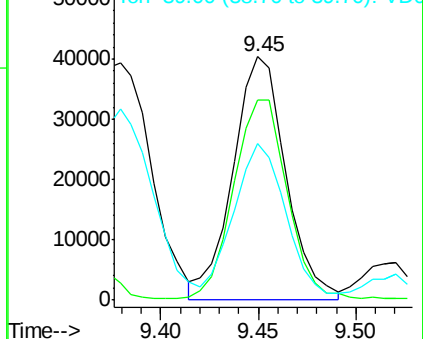
41 100

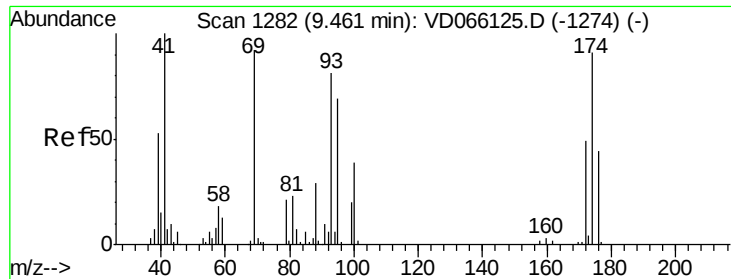
69 82.7 63.9 95.9

39 58.8 42.6 64.0



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

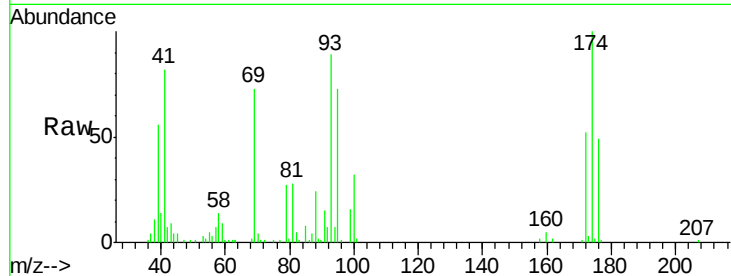




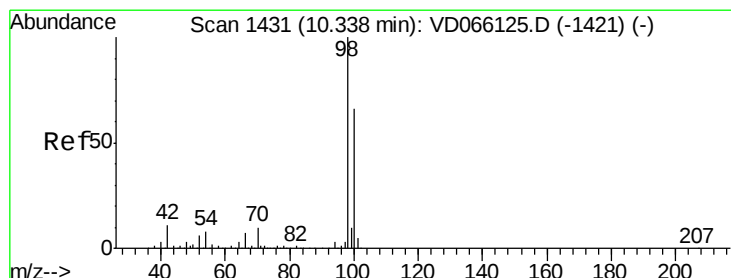
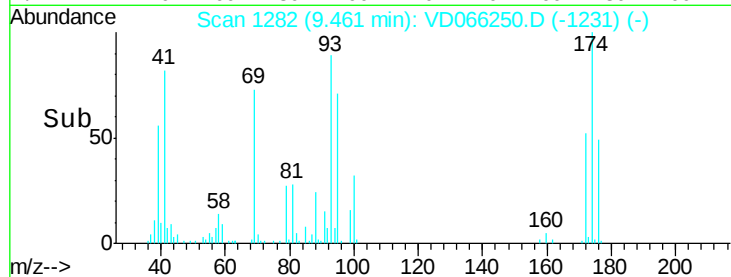
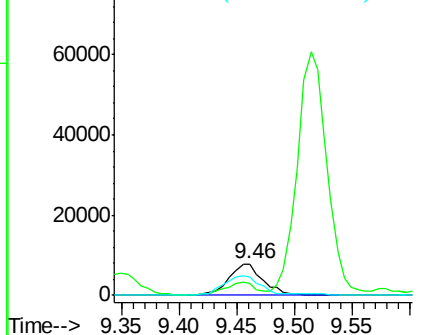
#49
 1,4-Dioxane
 Concen: 856.586 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 16268
 Ion Ratio Lower Upper
 88 100
 43 37.5 27.5 41.3
 58 69.6 50.2 75.4

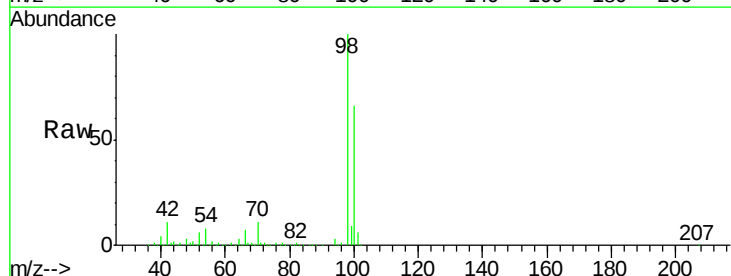


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

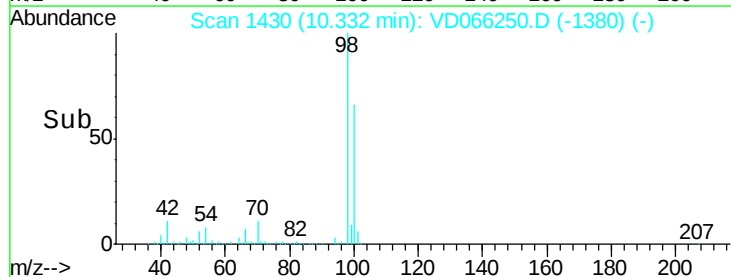
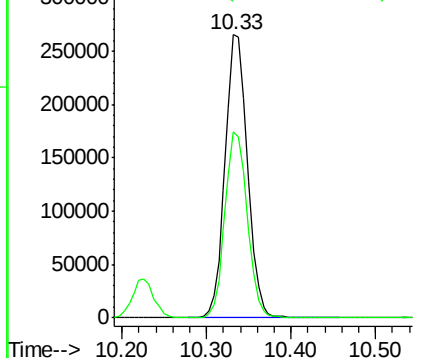


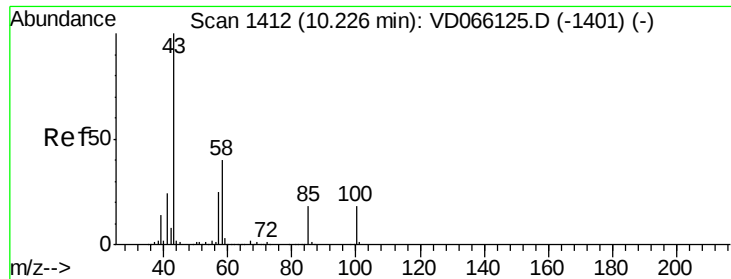
#50
 Toluene-d8
 Concen: 49.336 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion: 98 Resp: 485482
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.6 78.8



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

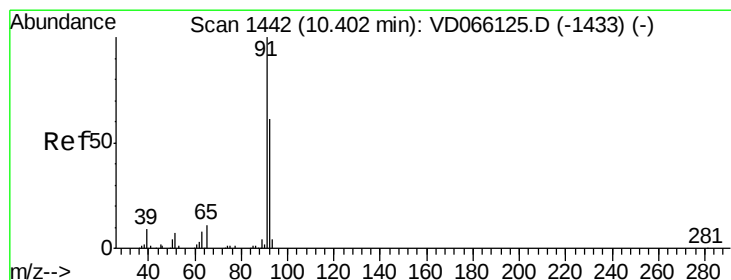
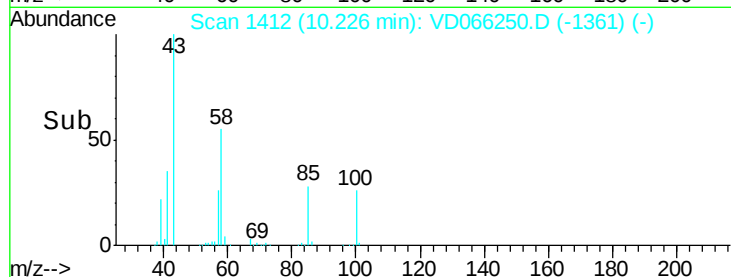
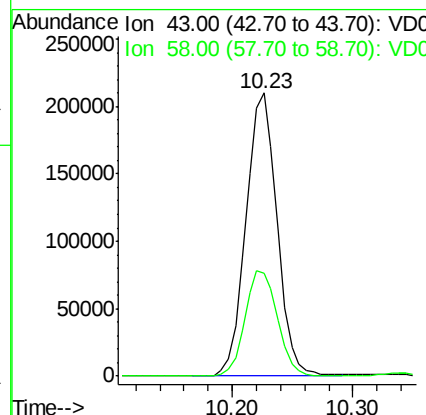
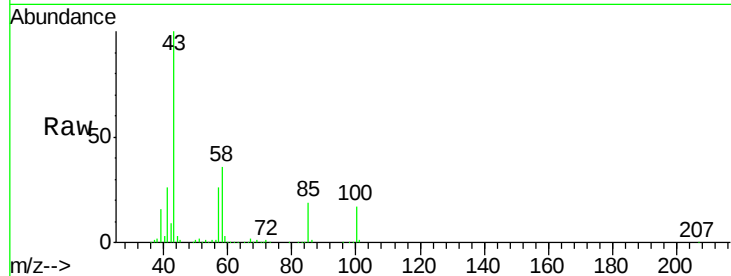




#51
 4-Methyl-2-Pentanone
 Concen: 238.936 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

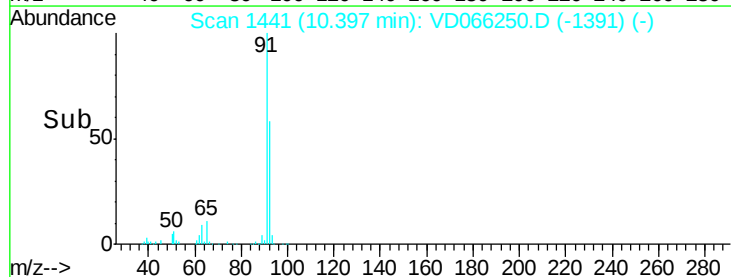
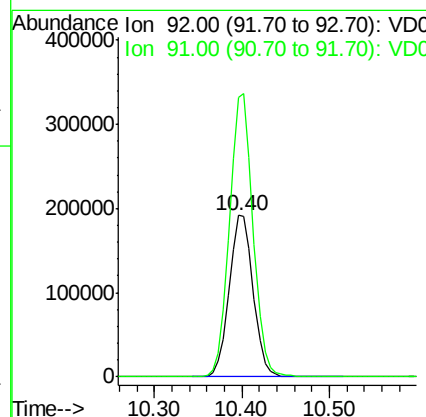
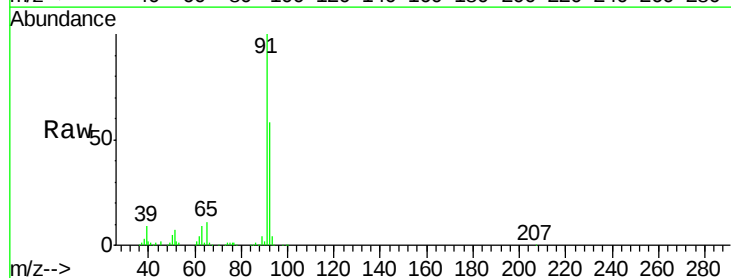
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

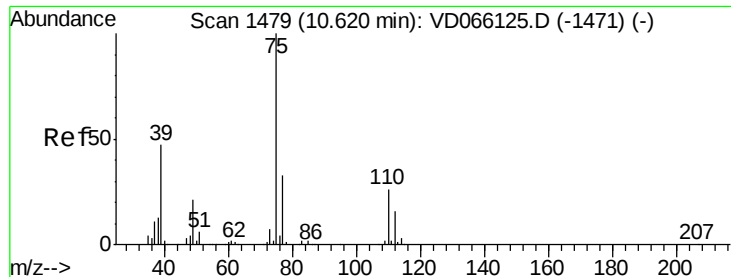
Tgt Ion: 43 Resp: 378982
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7



#52
 Toluene
 Concen: 49.974 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion: 92 Resp: 360834
 Ion Ratio Lower Upper
 92 100
 91 171.6 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 50.414 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

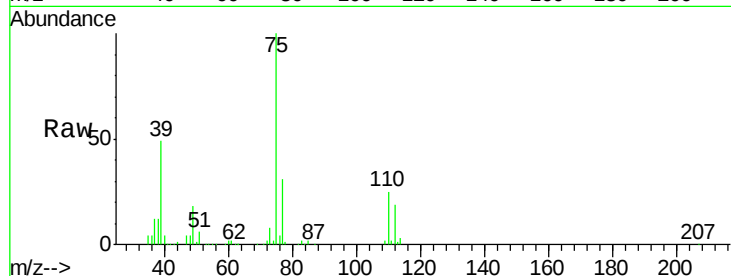
VSTDCCC050

Tgt Ion: 75 Resp: 186921

Ion Ratio Lower Upper

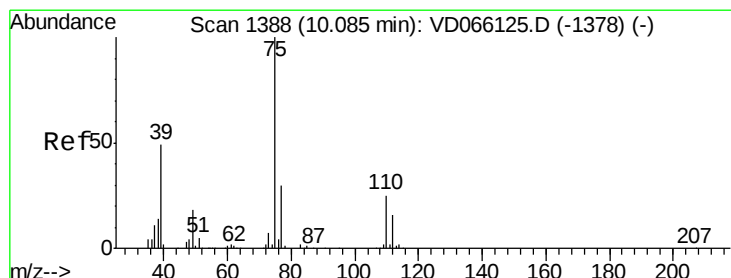
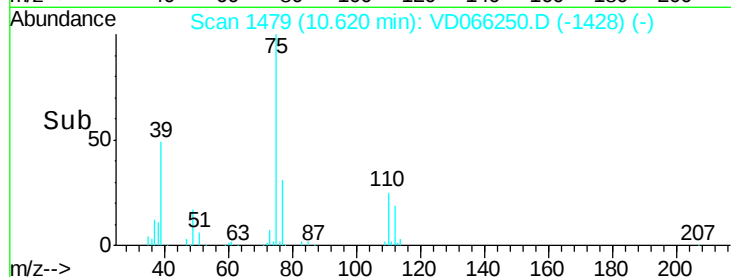
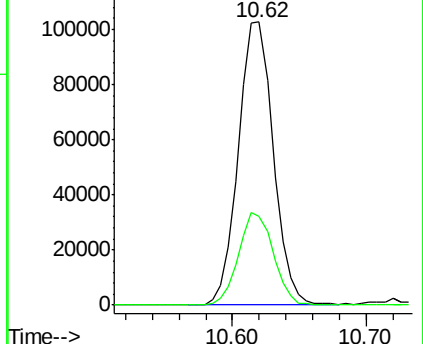
75 100

77 31.4 26.2 39.2



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: 50.595 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

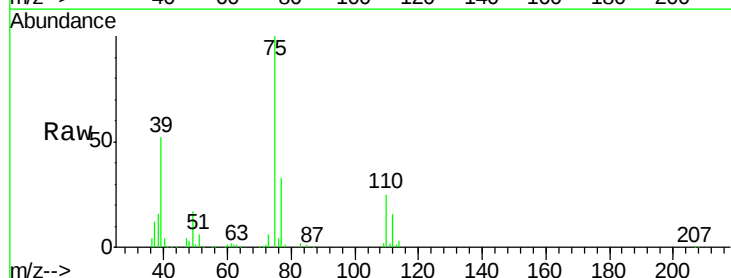
Tgt Ion: 75 Resp: 219791

Ion Ratio Lower Upper

75 100

77 32.7 24.3 36.5

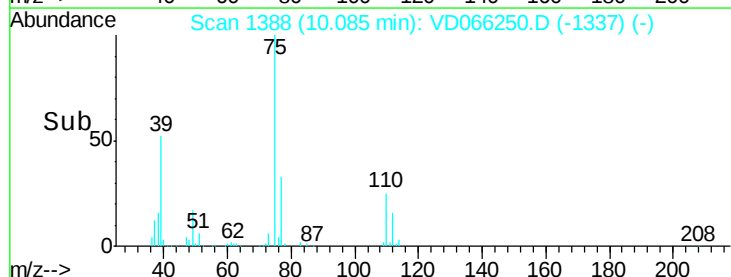
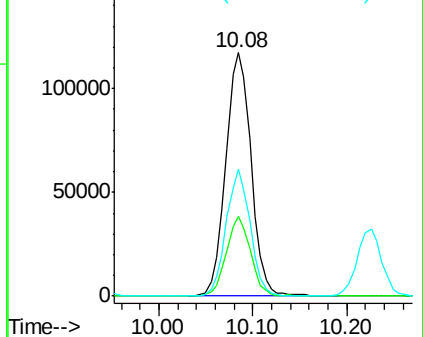
39 52.5 39.3 58.9

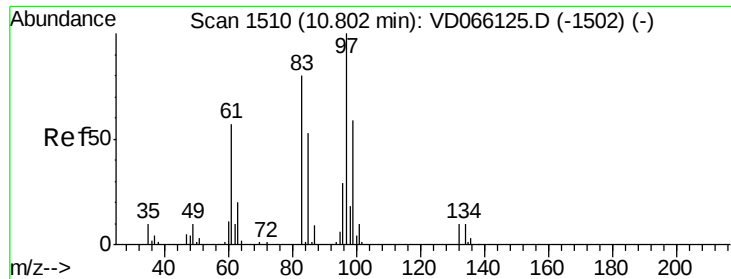


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 48.484 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 103203

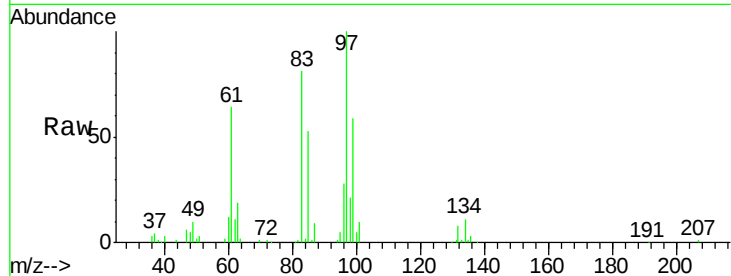
Ion Ratio Lower Upper

97 100

83 81.0 63.9 95.9

85 53.0 42.5 63.7

99 59.3 47.4 71.0

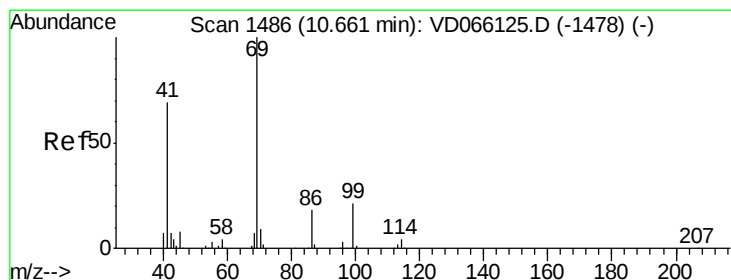
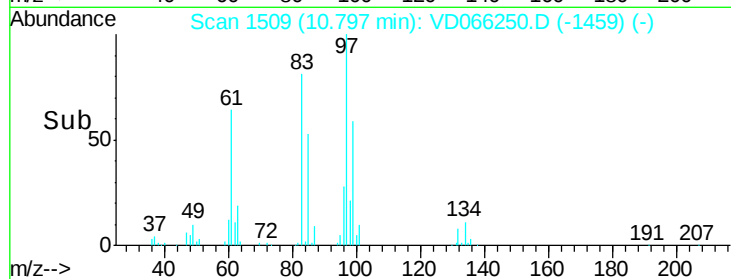
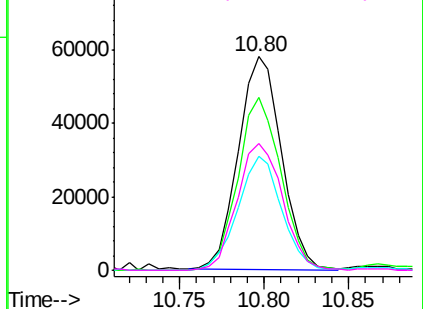


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.739 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

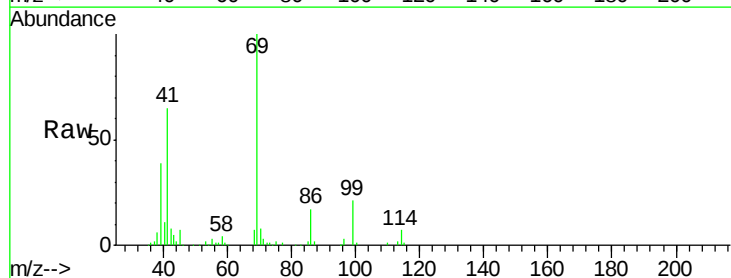
Tgt Ion: 69 Resp: 127185

Ion Ratio Lower Upper

69 100

41 64.9 54.1 81.1

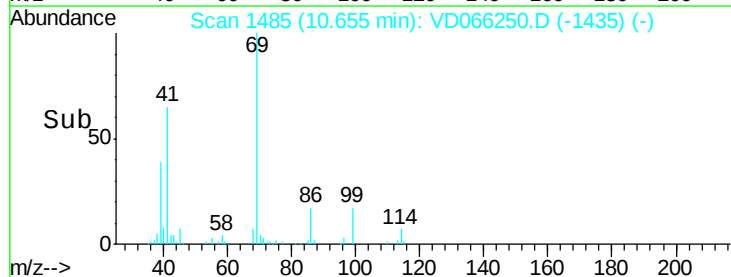
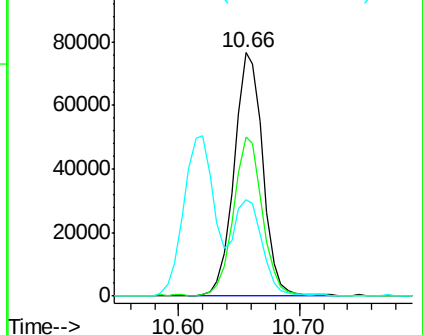
39 38.8 28.6 43.0

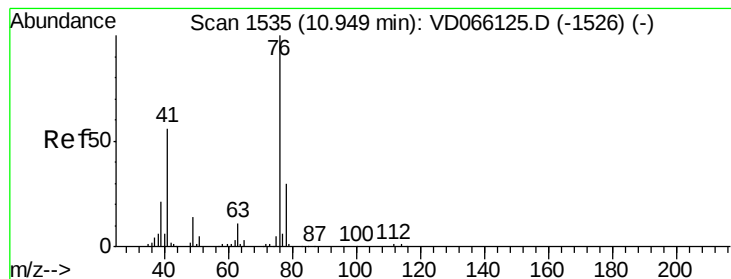


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.015 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampled :

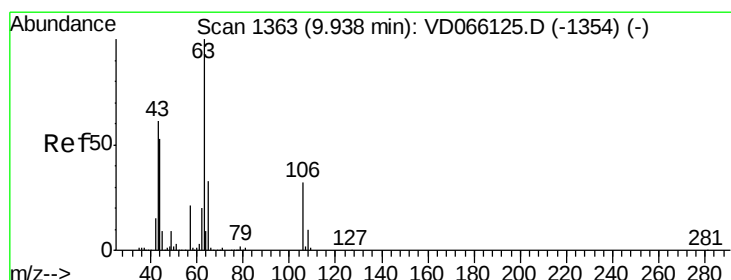
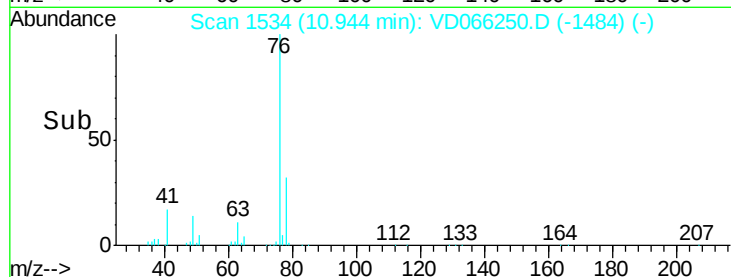
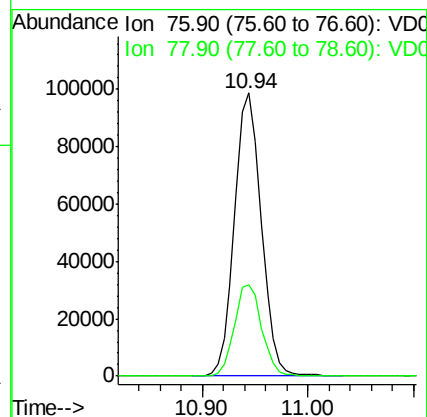
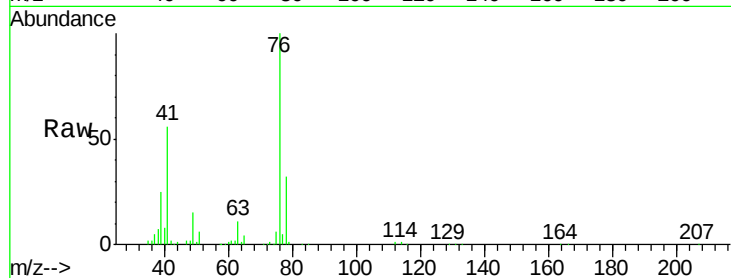
VSTDCCC050

Tgt Ion: 76 Resp: 173208

Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 265.868 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066250.D

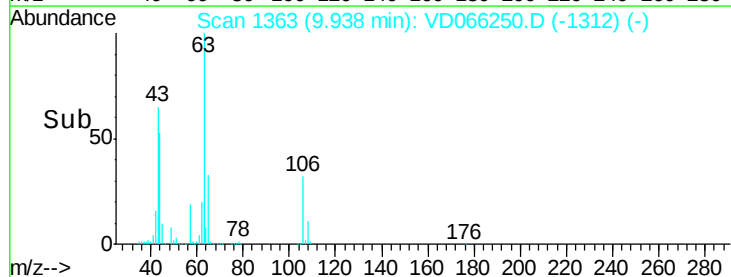
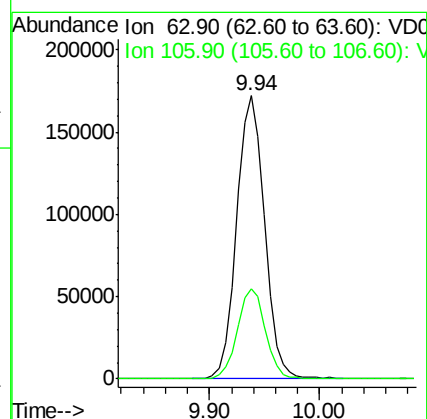
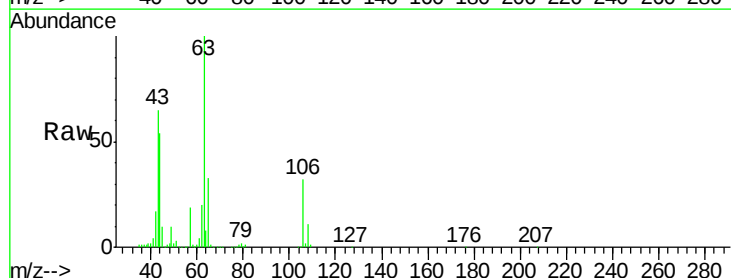
Acq: 17 Aug 2020 11:42

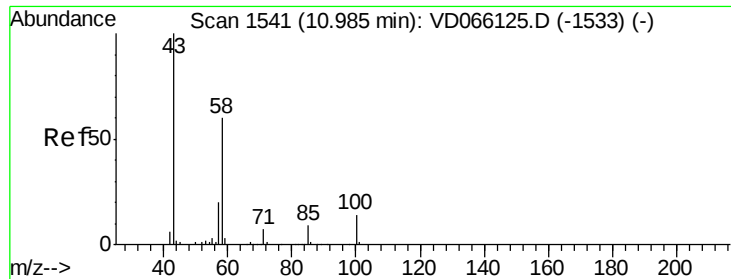
Tgt Ion: 63 Resp: 305801

Ion Ratio Lower Upper

63 100

106 31.9 25.3 37.9

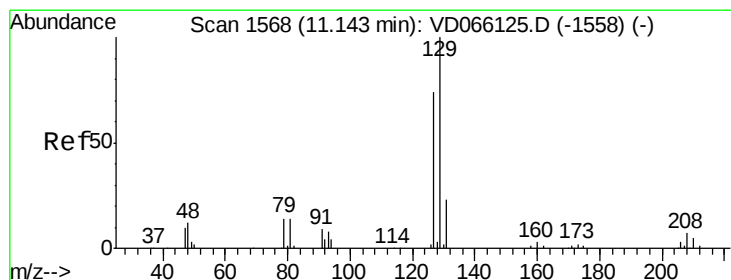
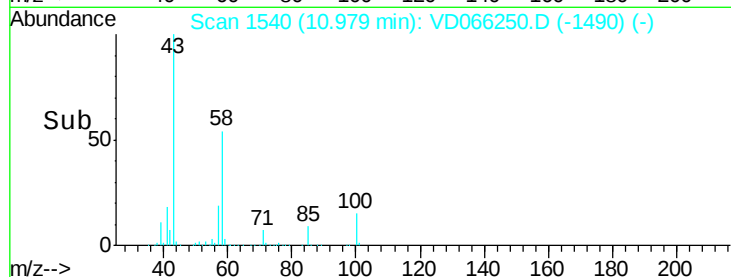
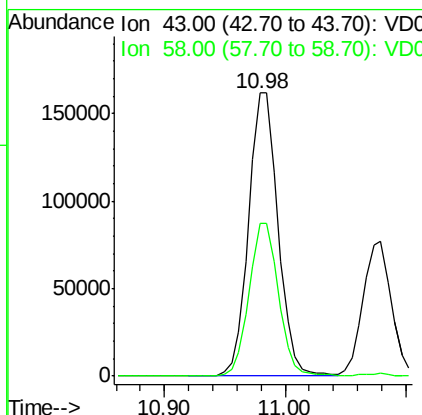
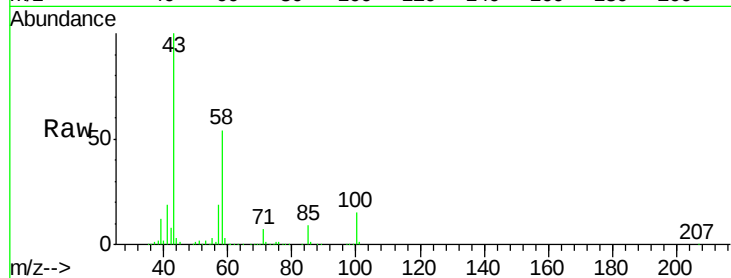




#59
2-Hexanone
Concen: 248.687 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

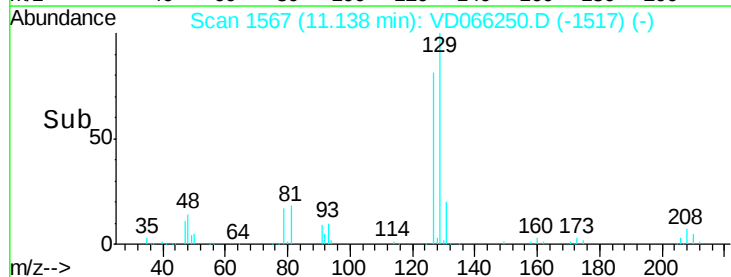
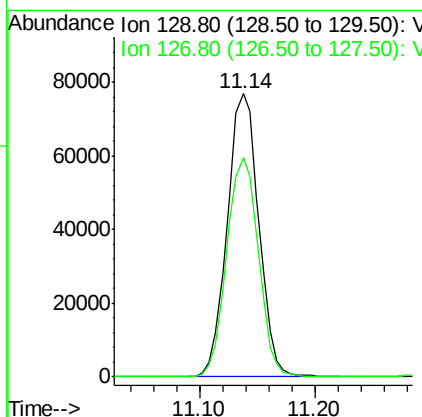
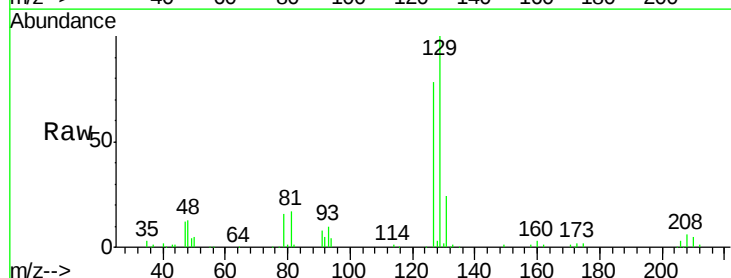
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

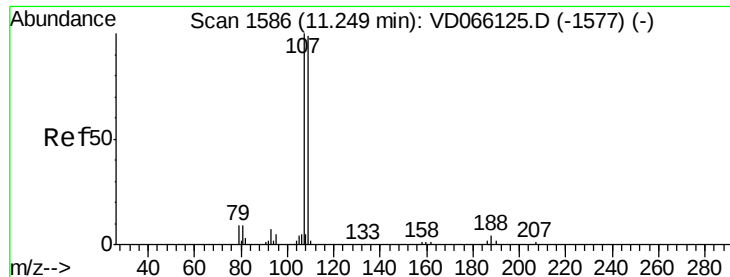
Tgt Ion: 43 Resp: 276831
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4



#60
Dibromochloromethane
Concen: 49.442 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion: 129 Resp: 145295
Ion Ratio Lower Upper
129 100
127 78.1 38.0 114.1

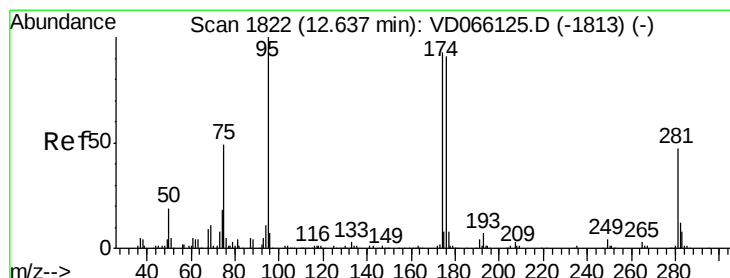
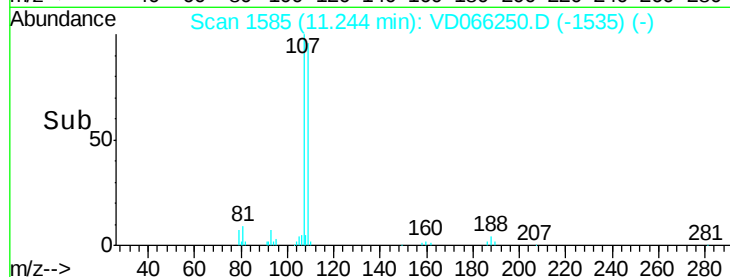
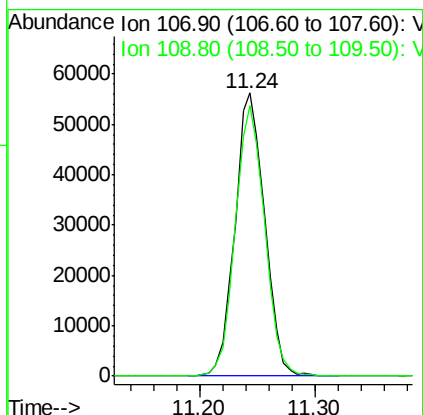
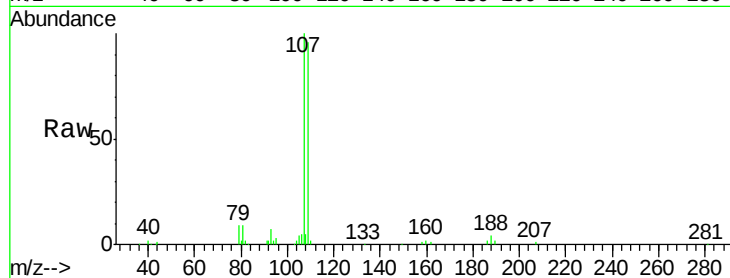




#61
 1,2-Dibromoethane
 Concen: 48.961 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

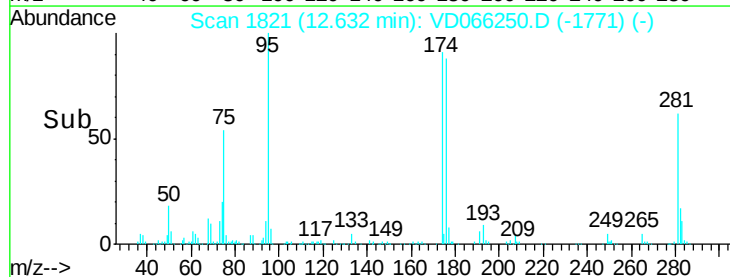
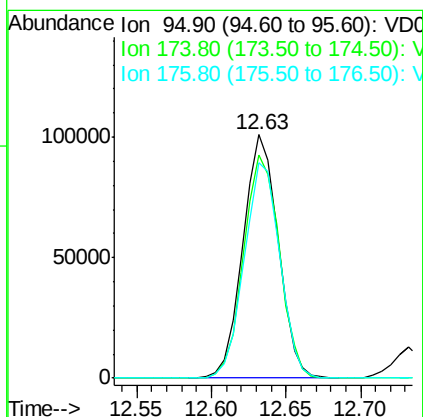
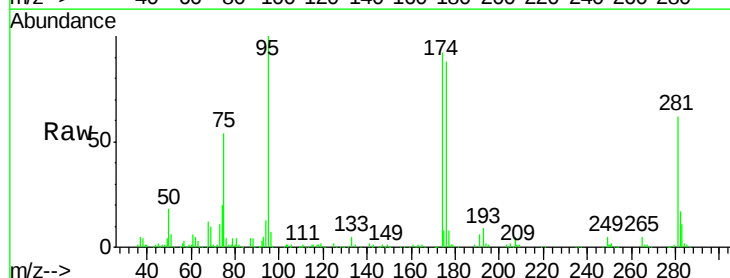
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 100228
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 46.455 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion: 95 Resp: 164777
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 180.8
 176 89.5 0.0 181.2

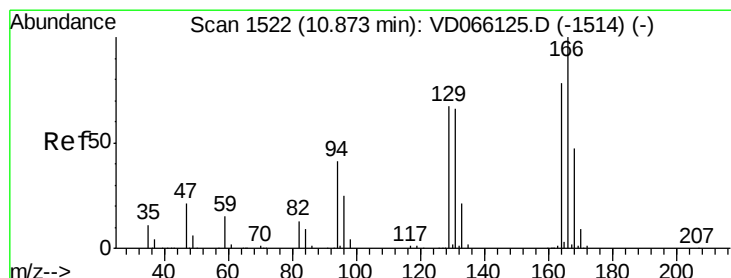
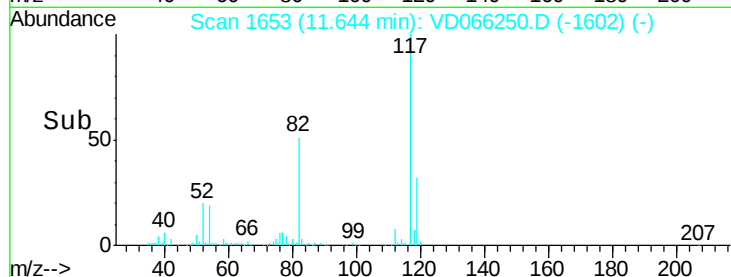
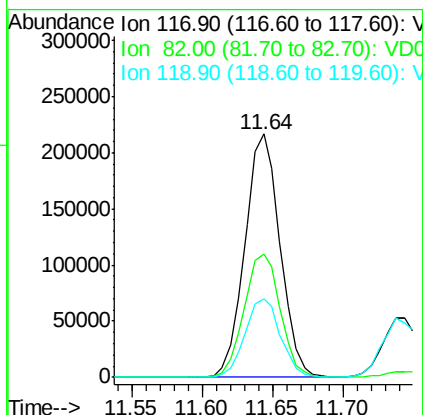
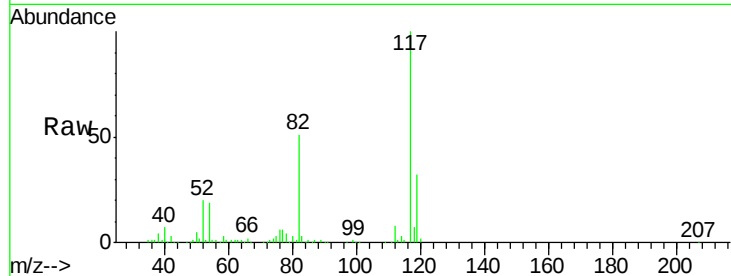




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

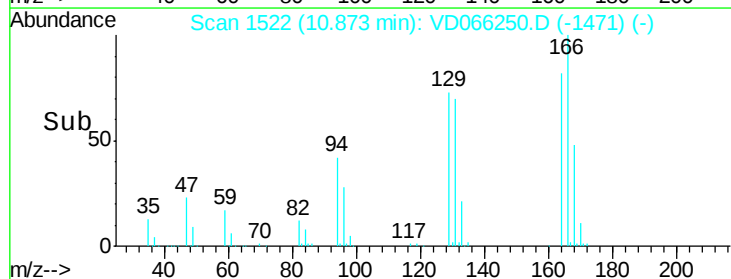
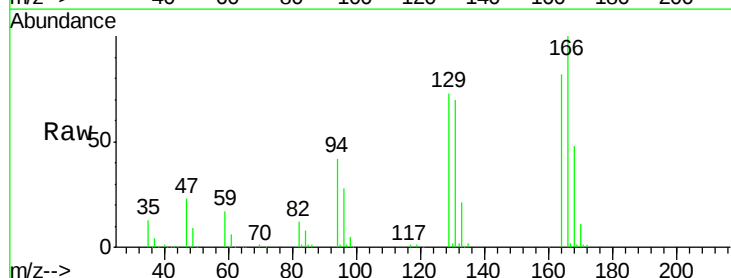
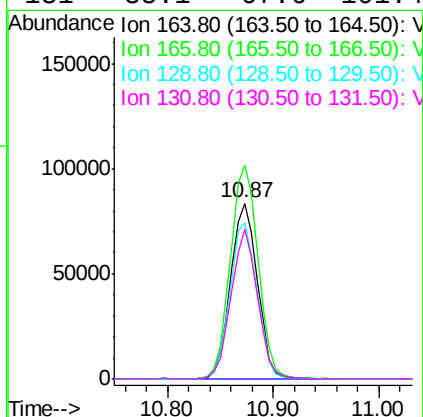
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

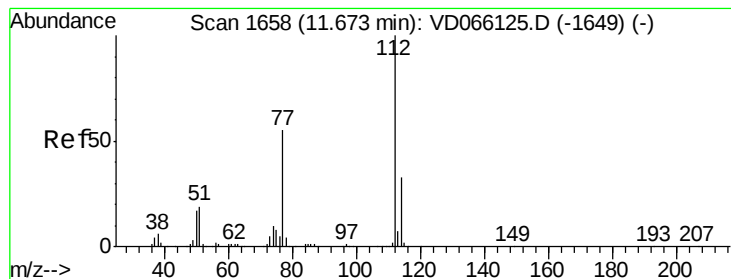
Tgt Ion:117 Resp: 378290
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 50.350 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion:164 Resp: 146258
Ion Ratio Lower Upper
164 100
166 121.4 101.9 152.9
129 88.9 68.1 102.1
131 85.1 67.6 101.4





#65

Chlorobenzene

Concen: 50.998 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

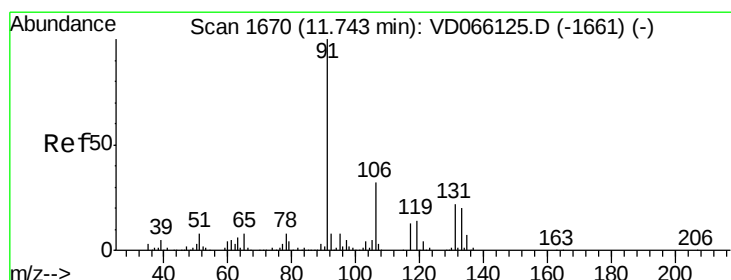
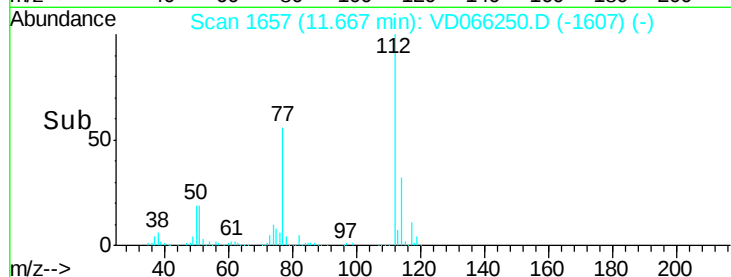
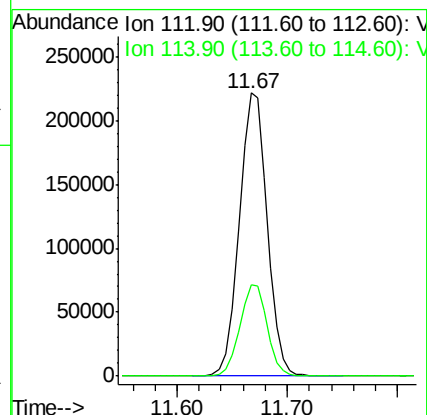
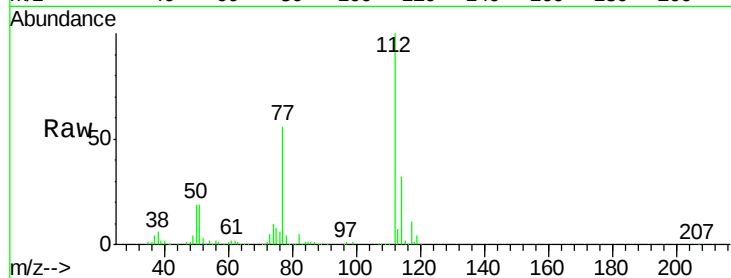
VSTDCCC050

Tgt Ion:112 Resp: 391632

Ion Ratio Lower Upper

112 100

114 32.2 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 50.776 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

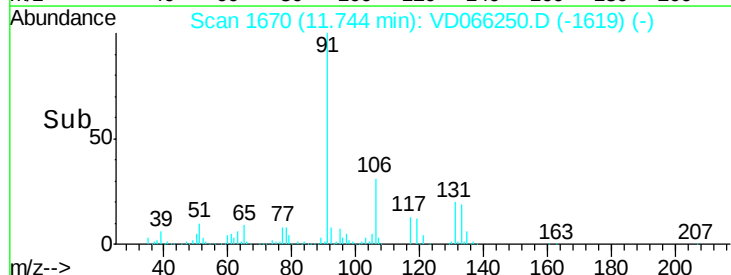
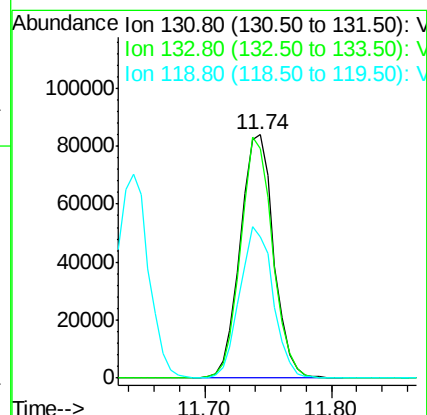
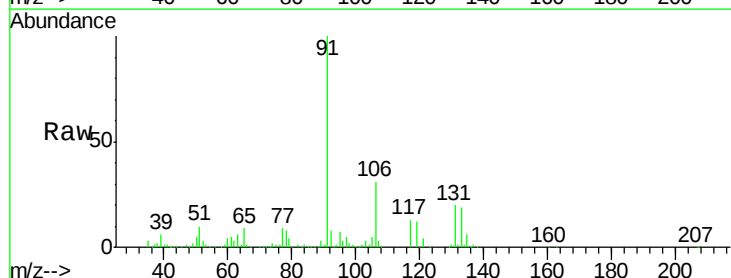
Tgt Ion:131 Resp: 152567

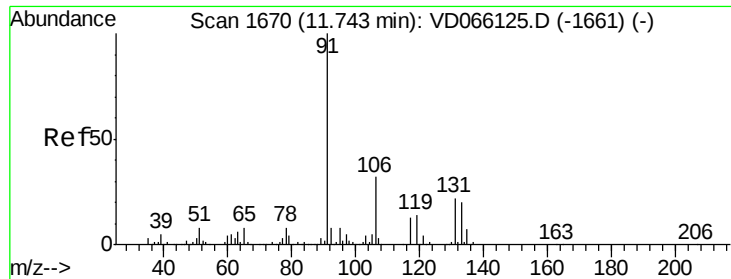
Ion Ratio Lower Upper

131 100

133 95.2 47.1 141.4

119 62.2 31.6 94.7





#67

Ethyl Benzene

Concen: 51.520 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

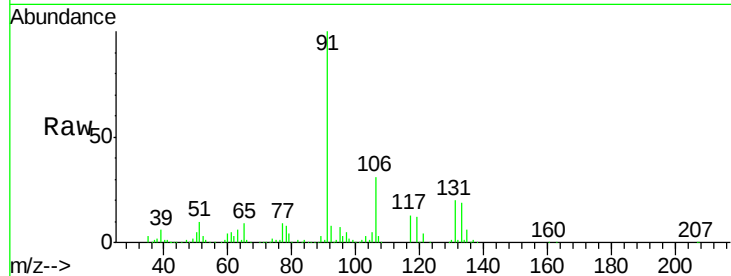
VSTDCCC050

Tgt Ion: 91 Resp: 685619

Ion Ratio Lower Upper

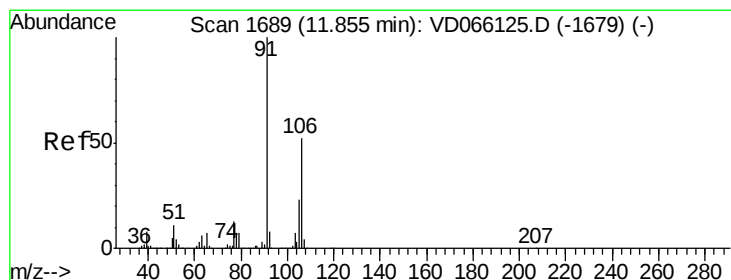
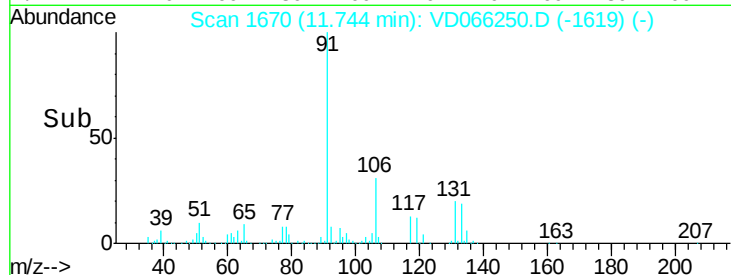
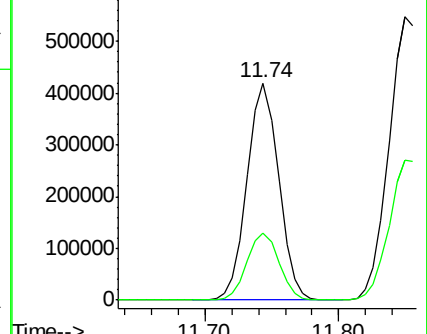
91 100

106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.993 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066250.D

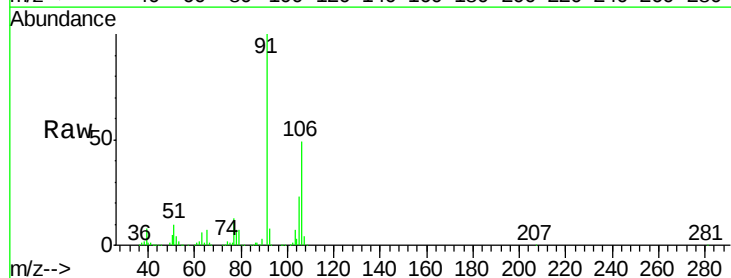
Acq: 17 Aug 2020 11:42

Tgt Ion: 106 Resp: 525870

Ion Ratio Lower Upper

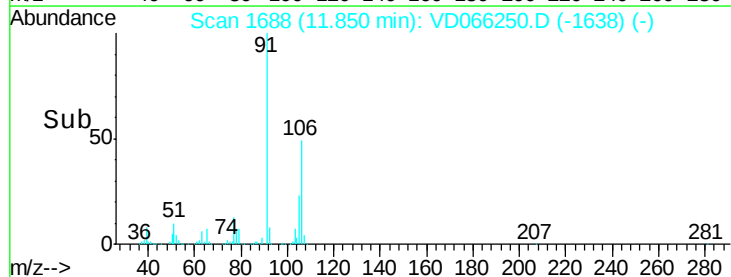
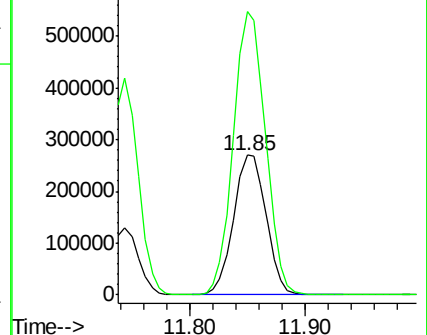
106 100

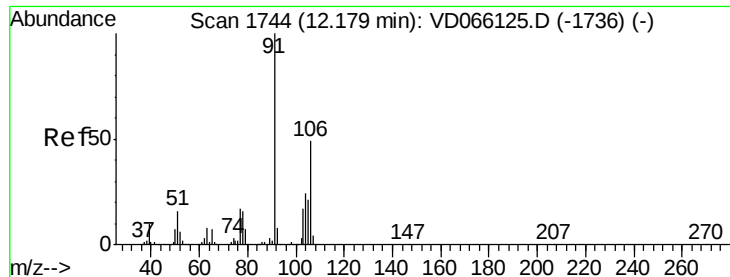
91 200.6 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

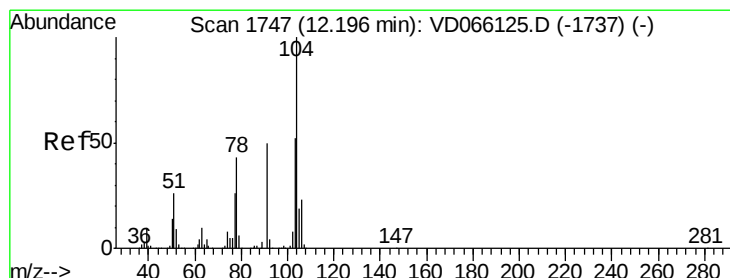
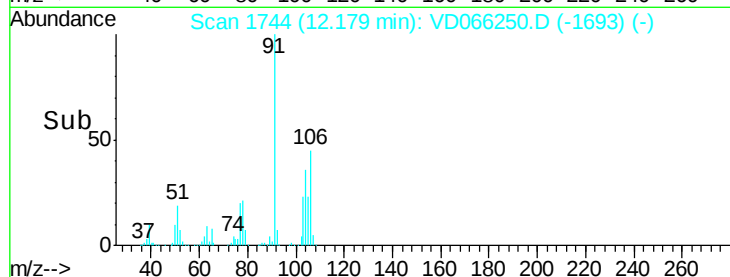
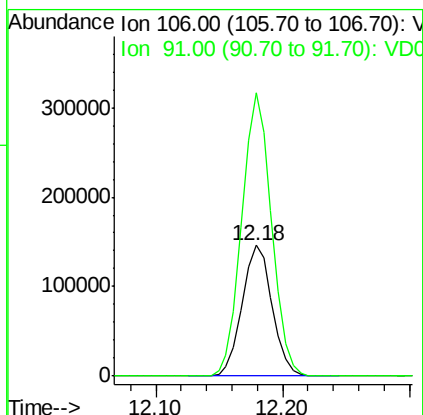
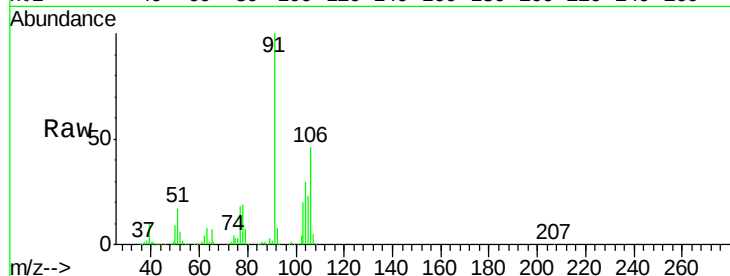




#69
o-Xylene
Concen: 51.288 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

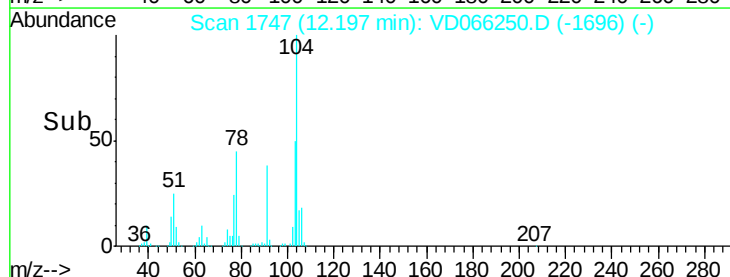
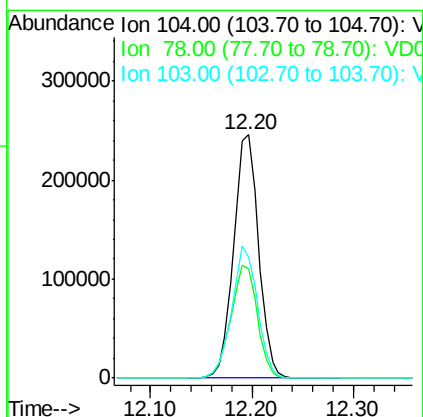
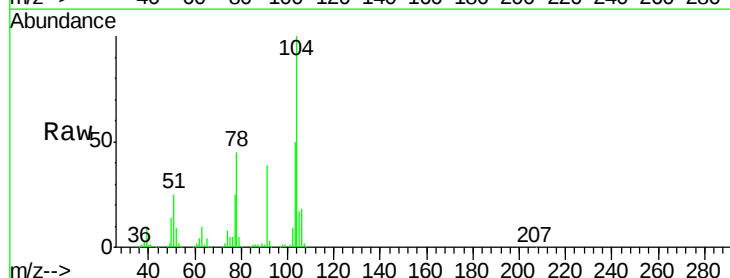
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

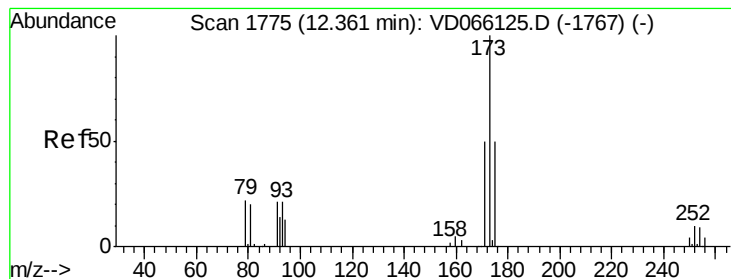
Tgt Ion:106 Resp: 240551
Ion Ratio Lower Upper
106 100
91 213.4 105.7 317.1



#70
Styrene
Concen: 51.127 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066250.D
Acq: 17 Aug 2020 11:42

Tgt Ion:104 Resp: 420247
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 55.5 44.1 66.1





#71

Bromoform

Concen: 48.153 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

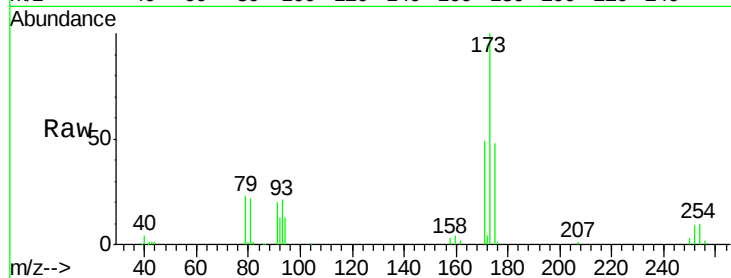
Tgt Ion:173 Resp: 85723

Ion Ratio Lower Upper

173 100

175 50.2 24.6 73.6

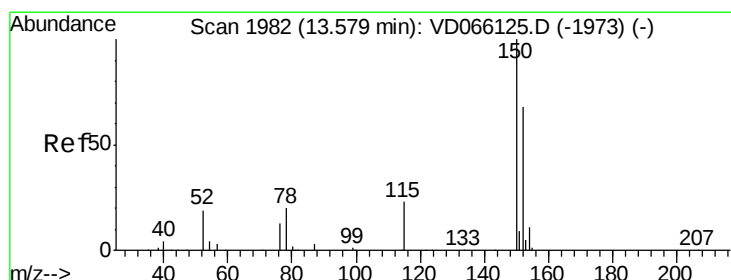
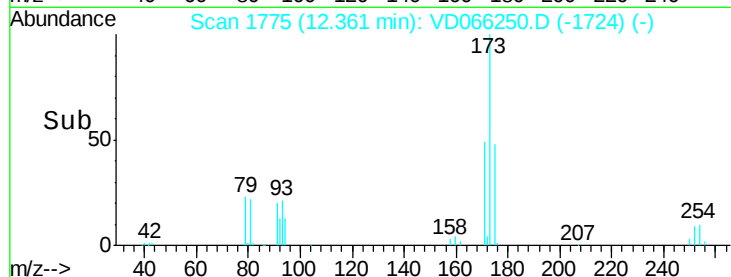
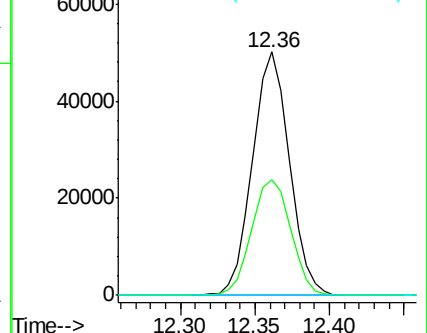
254 0.0 0.2 0.2#



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# 1982

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

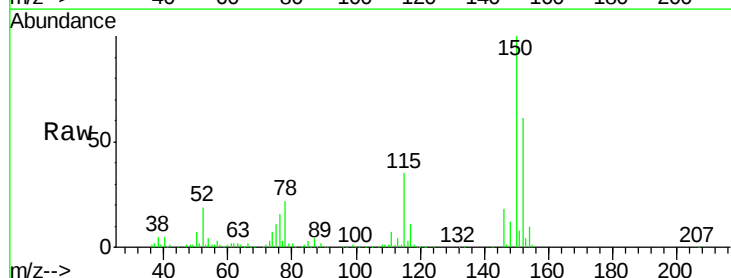
Tgt Ion:152 Resp: 193157

Ion Ratio Lower Upper

152 100

115 57.9 28.0 83.9

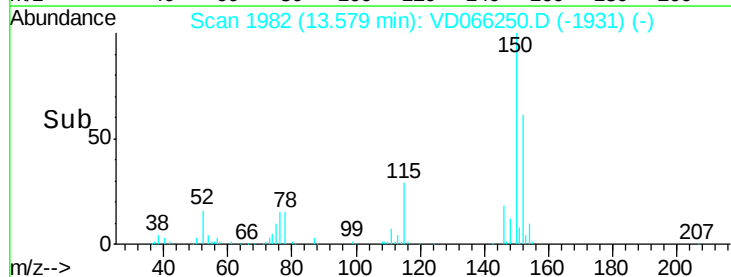
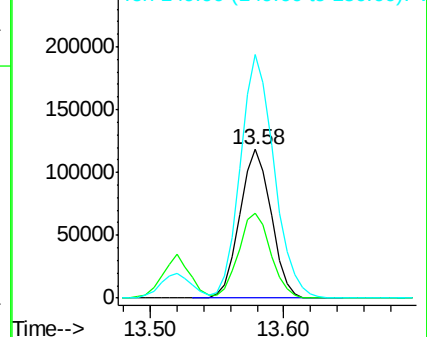
150 175.4 0.0 346.4

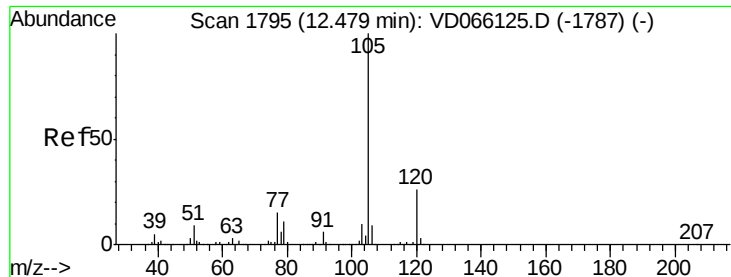


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.254 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

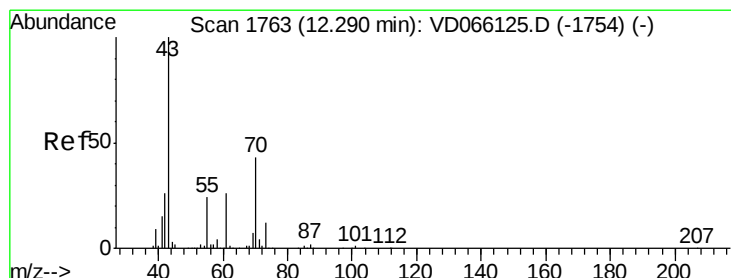
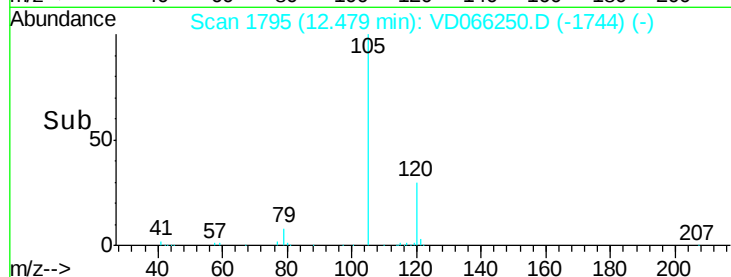
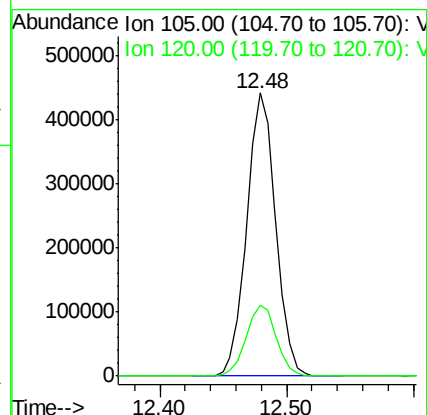
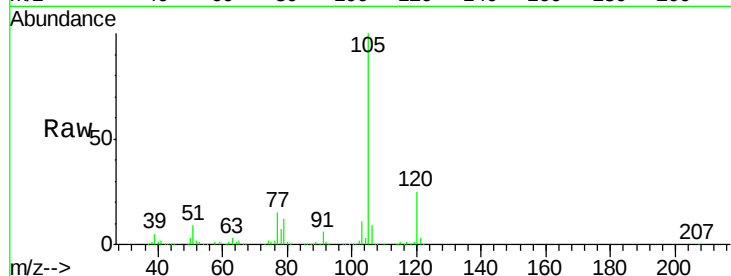
VSTDCCC050

Tgt Ion:105 Resp: 699533

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9



#74

N-ethyl acetate

Concen: 47.465 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Tgt Ion: 43 Resp: 134766

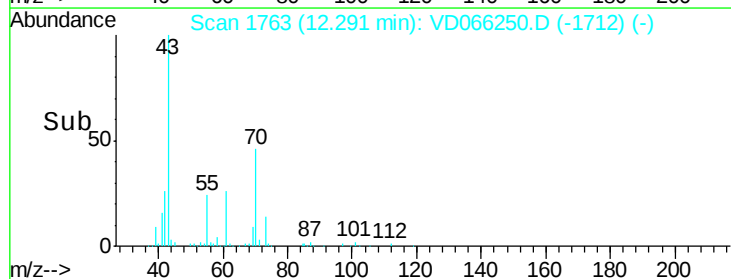
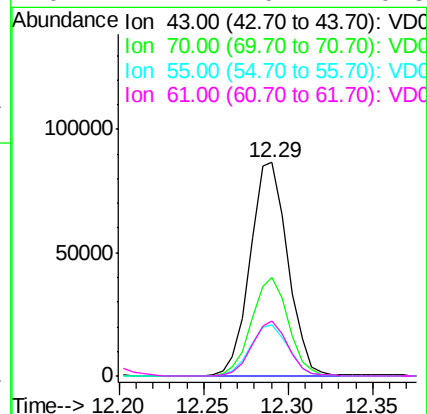
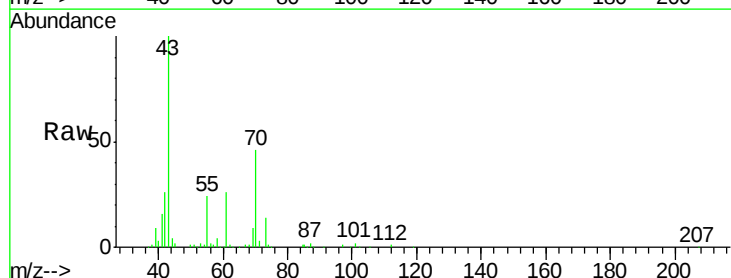
Ion Ratio Lower Upper

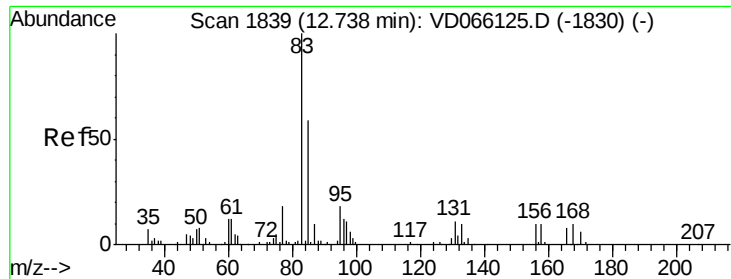
43 100

70 45.1 34.9 52.3

55 24.7 19.2 28.8

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.170 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

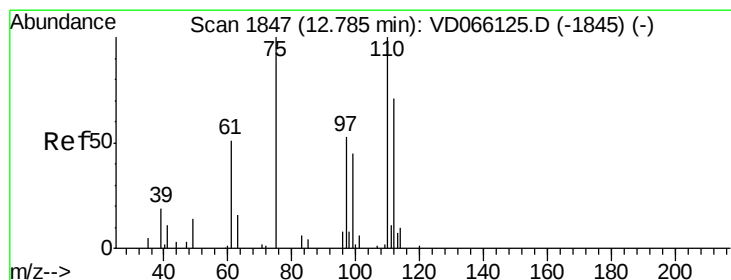
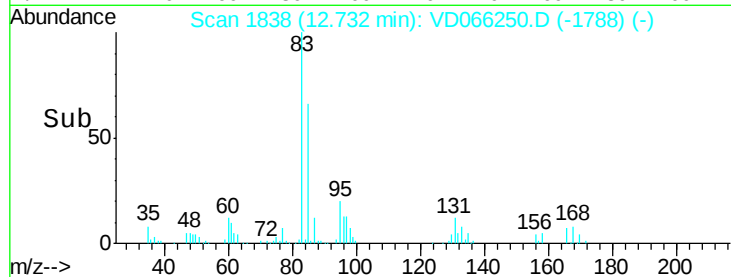
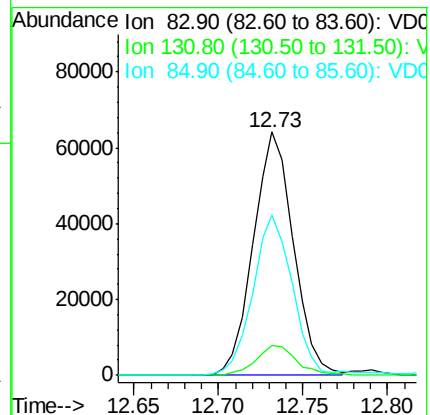
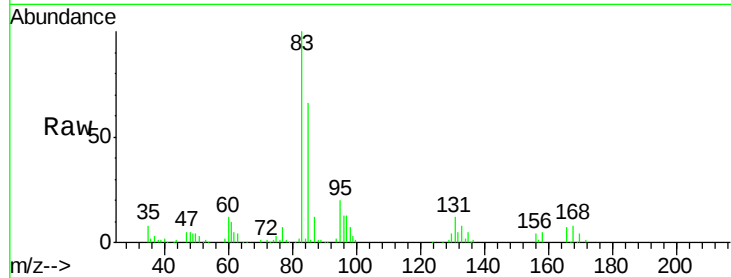
Tgt Ion: 83 Resp: 105907

Ion Ratio Lower Upper

83 100

131 12.7 6.2 18.6

85 65.2 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 88.372 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066250.D

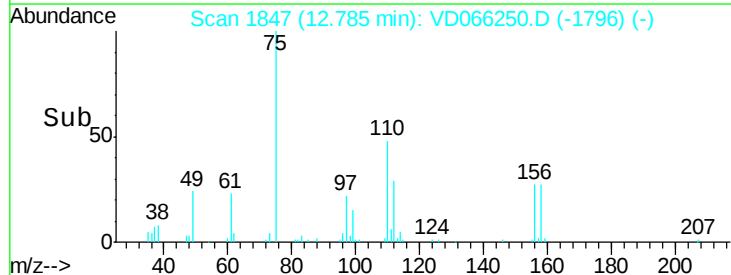
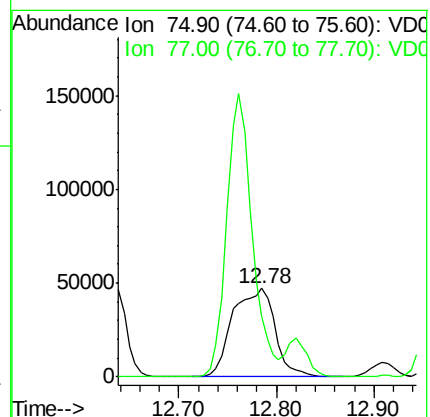
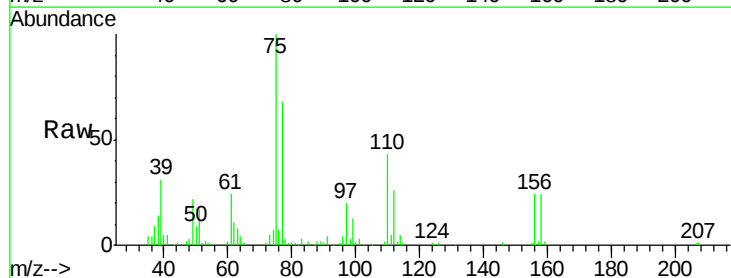
Acq: 17 Aug 2020 11:42

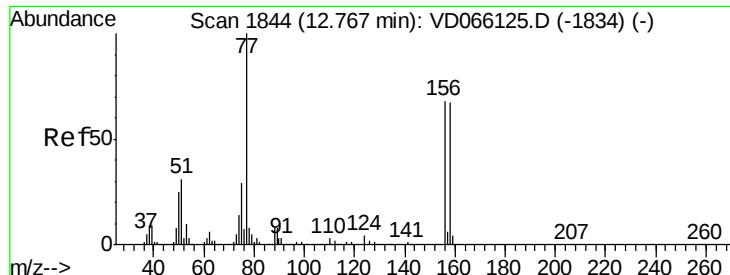
Tgt Ion: 75 Resp: 142349

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.761 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

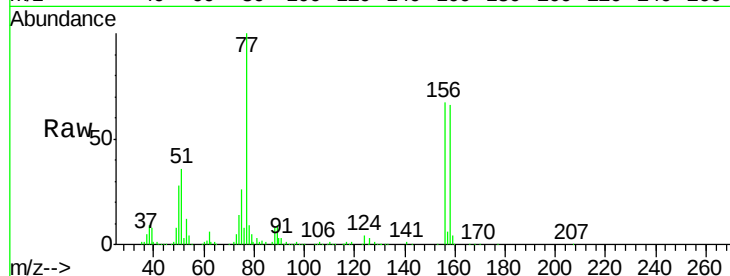
Tgt Ion:156 Resp: 165163

Ion Ratio Lower Upper

156 100

77 167.1 81.0 243.1

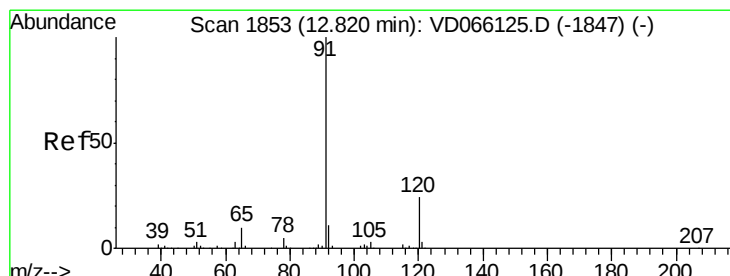
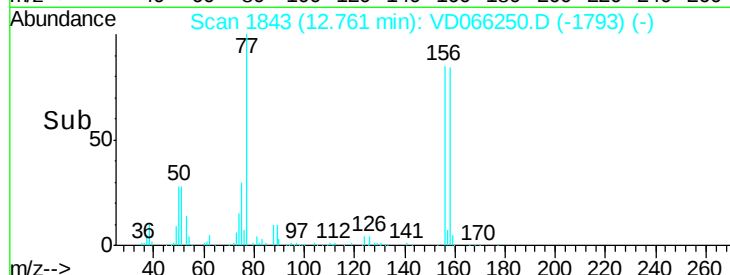
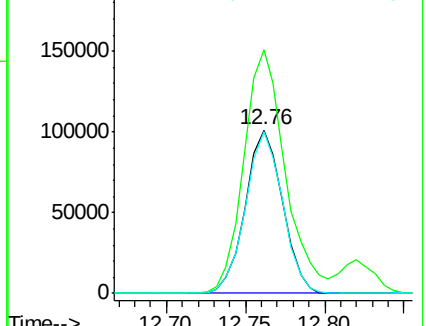
158 98.7 48.8 146.3



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: 53.740 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066250.D

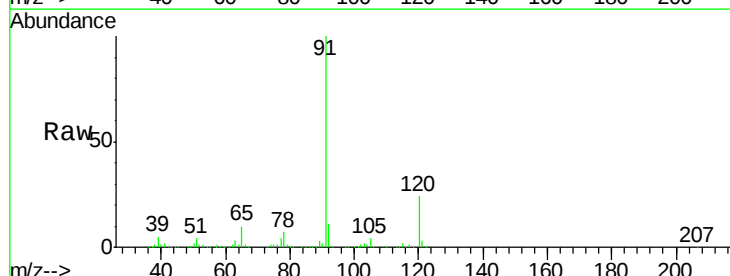
Acq: 17 Aug 2020 11:42

Tgt Ion: 91 Resp: 805453

Ion Ratio Lower Upper

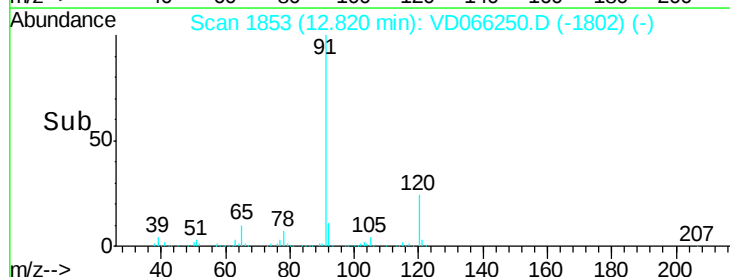
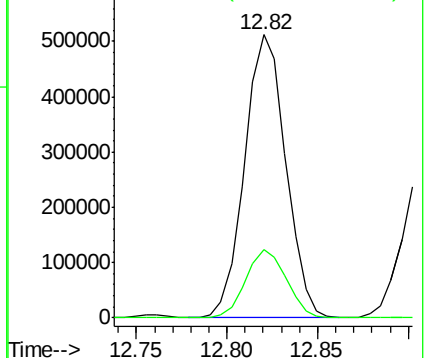
91 100

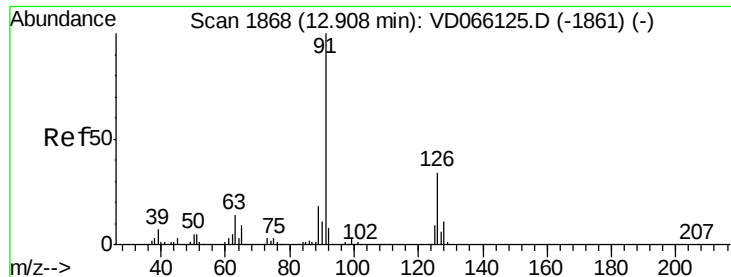
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.337 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampled :

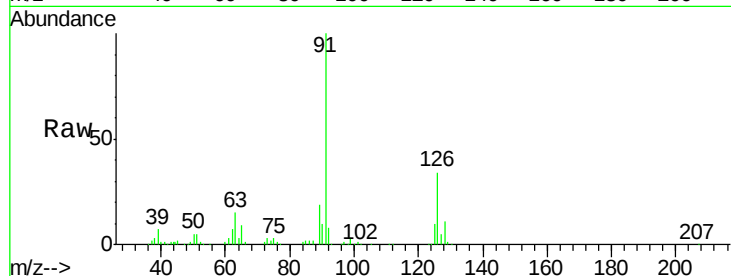
VSTDCCC050

Tgt Ion: 91 Resp: 448645

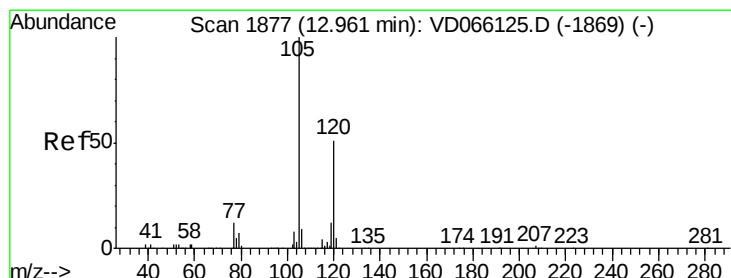
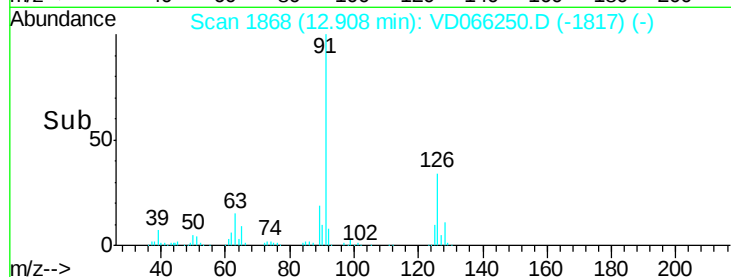
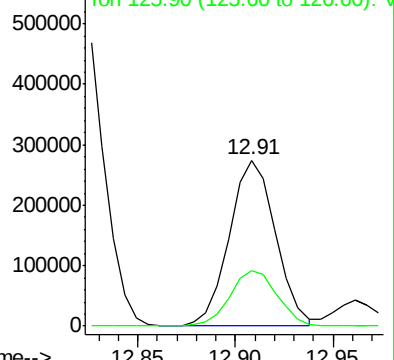
Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066250.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.318 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066250.D

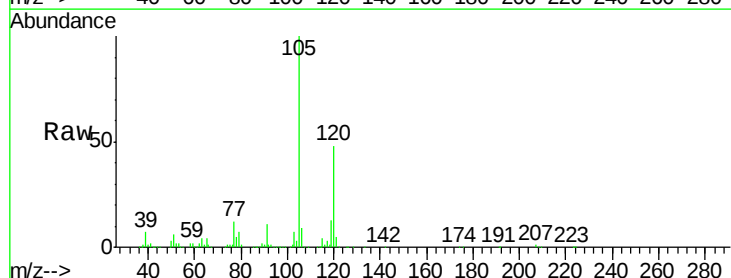
Acq: 17 Aug 2020 11:42

Tgt Ion: 105 Resp: 585712

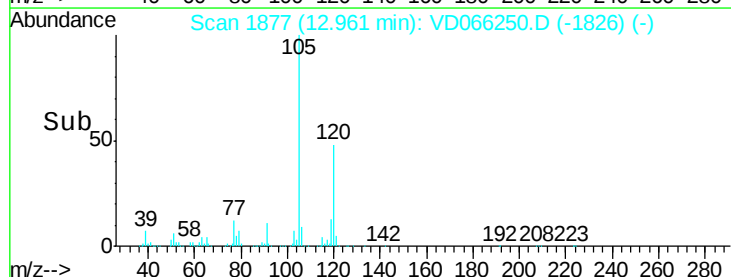
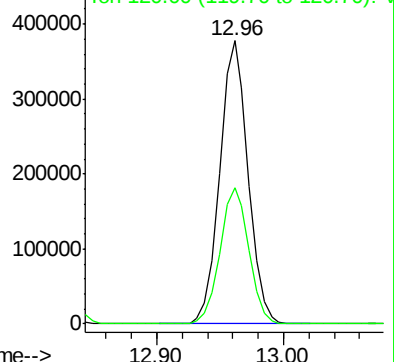
Ion Ratio Lower Upper

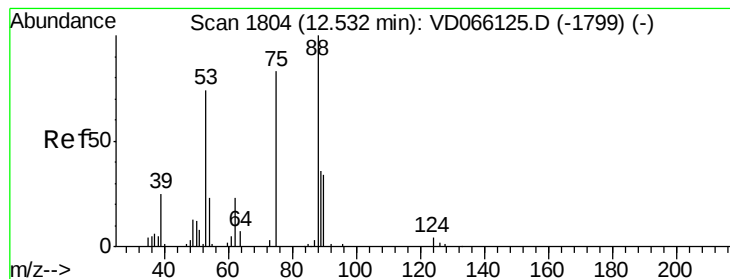
105 100

120 49.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066250.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.415 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

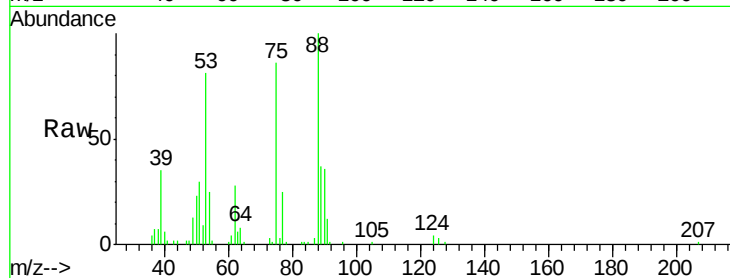
Tgt Ion: 75 Resp: 37465

Ion Ratio Lower Upper

75 100

53 94.8 73.4 110.2

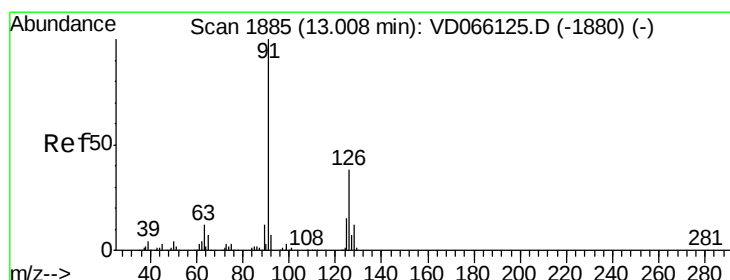
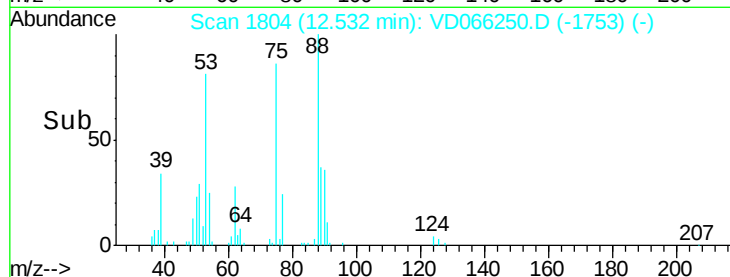
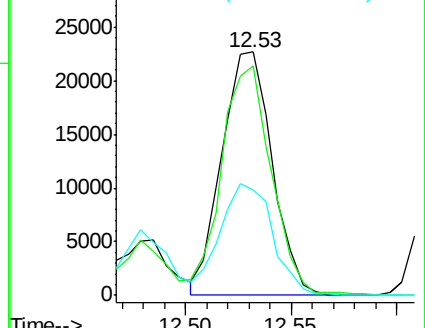
89 48.2 36.6 55.0



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: 52.507 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066250.D

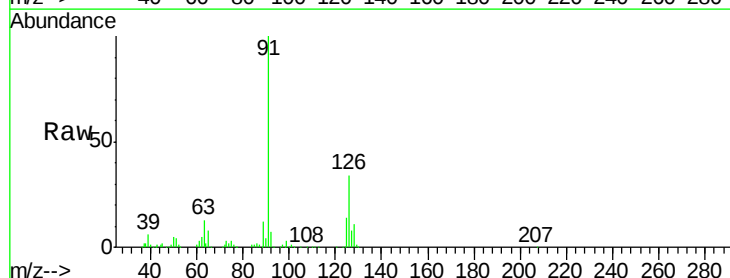
Acq: 17 Aug 2020 11:42

Tgt Ion: 91 Resp: 475144

Ion Ratio Lower Upper

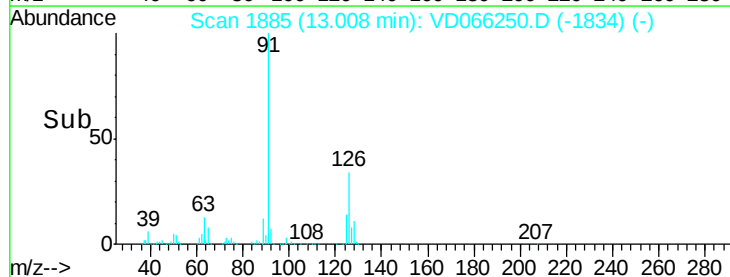
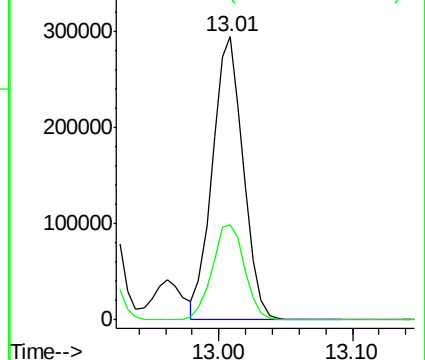
91 100

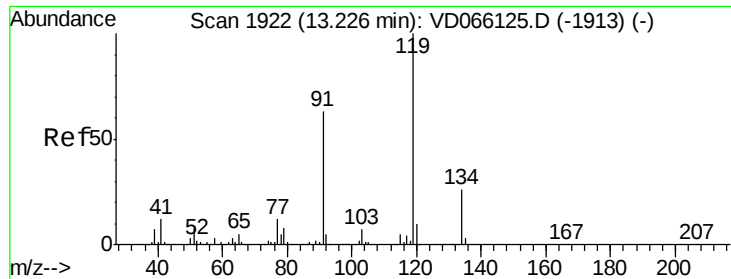
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

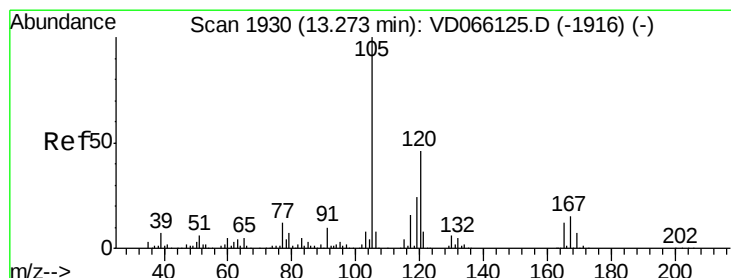
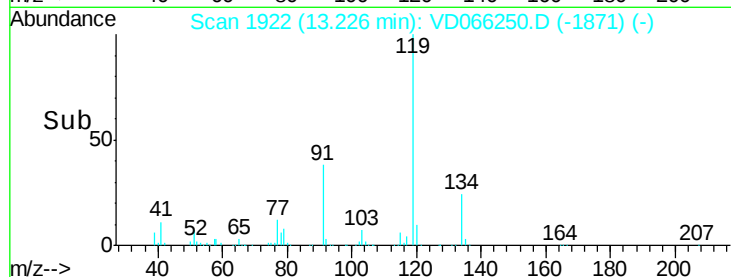
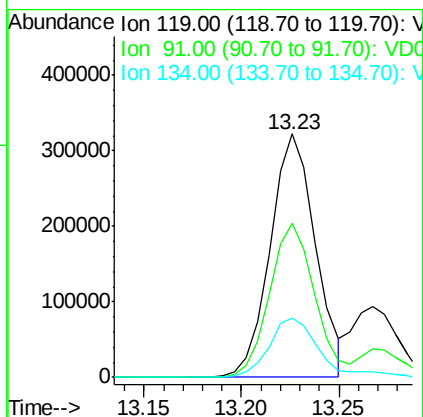
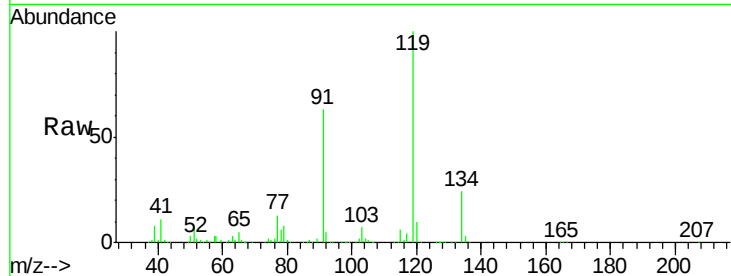




#83
 tert-Butylbenzene
 Concen: 54.482 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

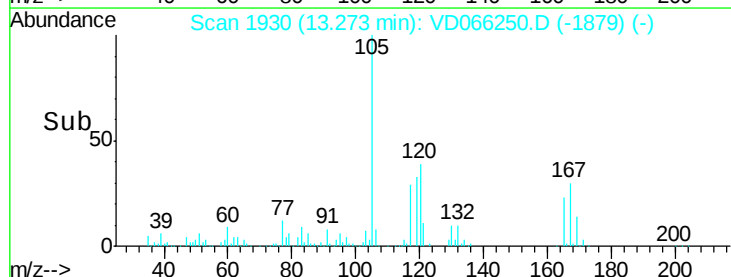
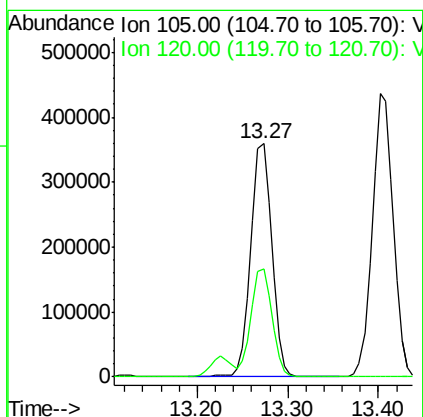
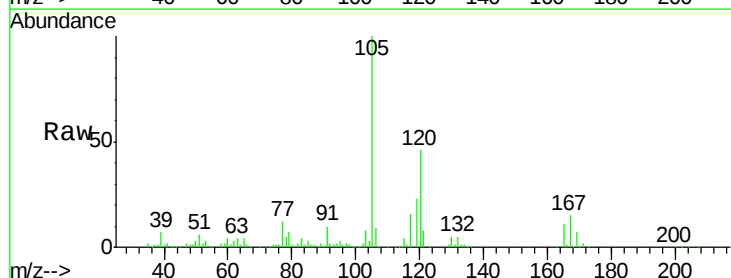
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

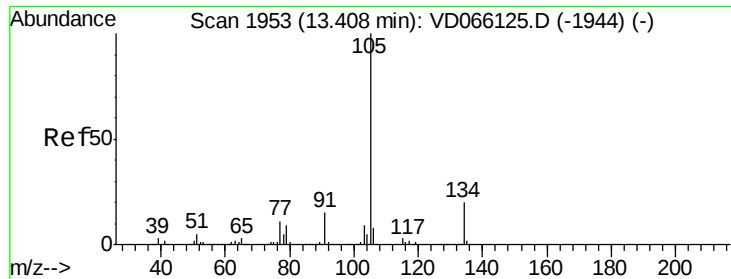
Tgt Ion:119 Resp: 516660
 Ion Ratio Lower Upper
 119 100
 91 63.3 30.8 92.4
 134 27.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.007 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion:105 Resp: 582805
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 54.509 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

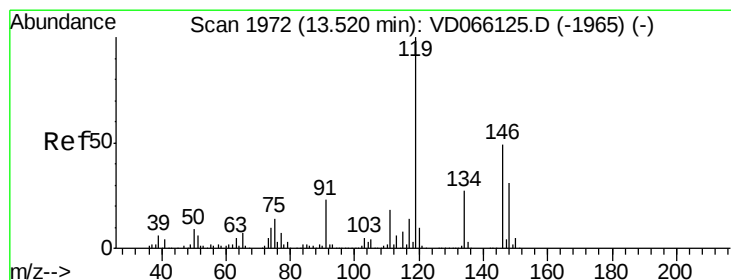
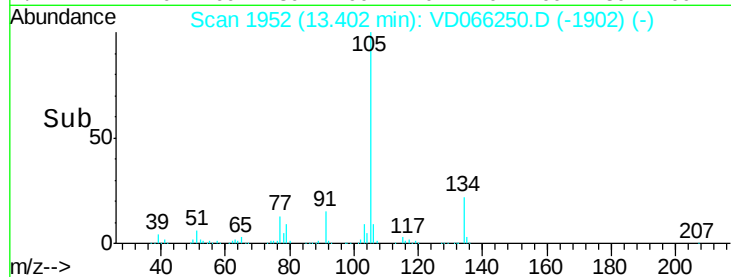
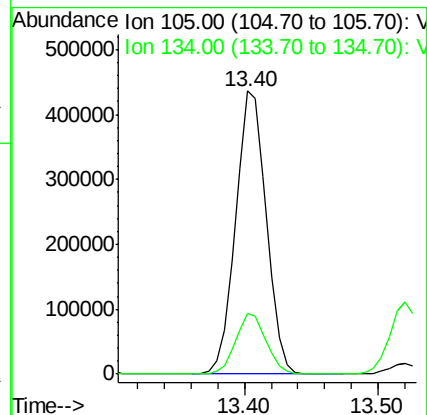
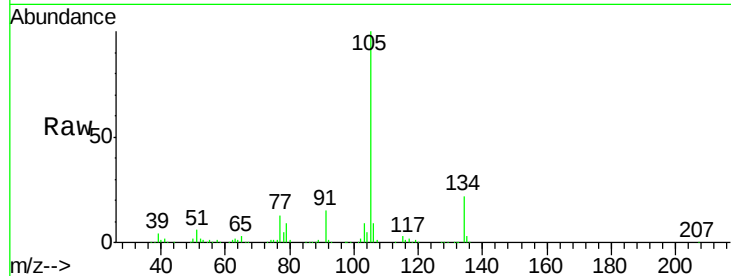
VSTDCCC050

Tgt Ion:105 Resp: 697893

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4



#86

p-Isopropyltoluene

Concen: 54.171 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

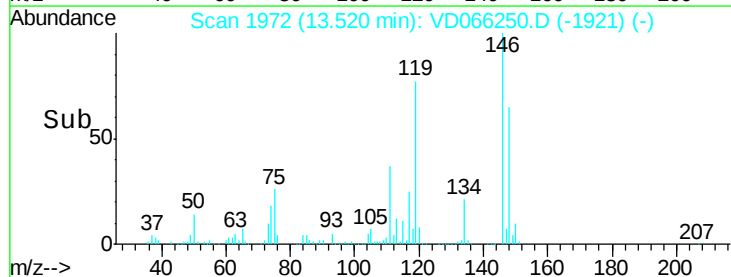
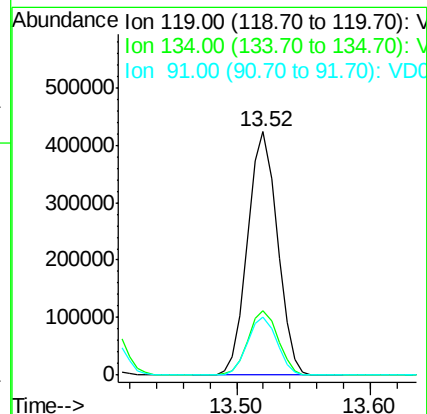
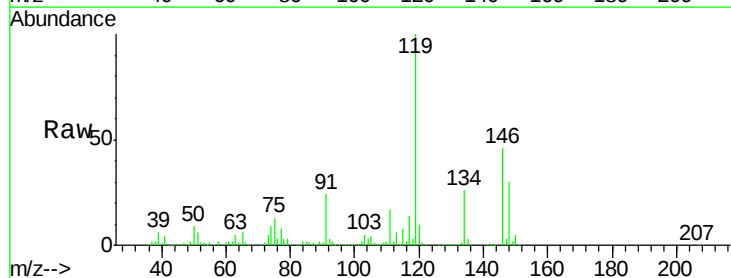
Tgt Ion:119 Resp: 650511

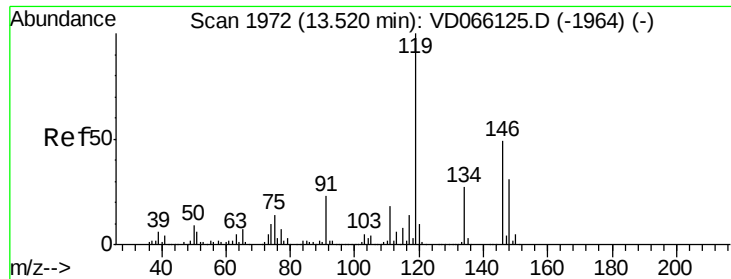
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.6 11.2 33.5

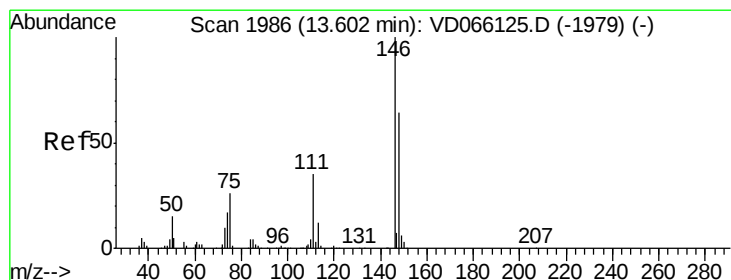
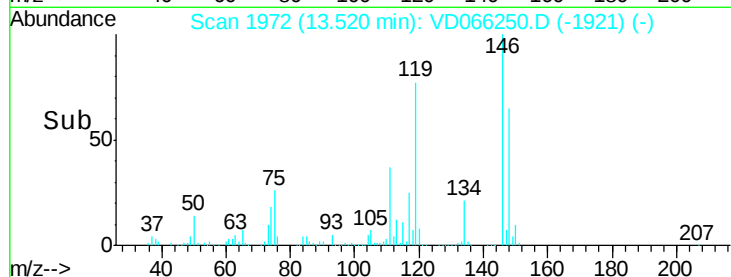
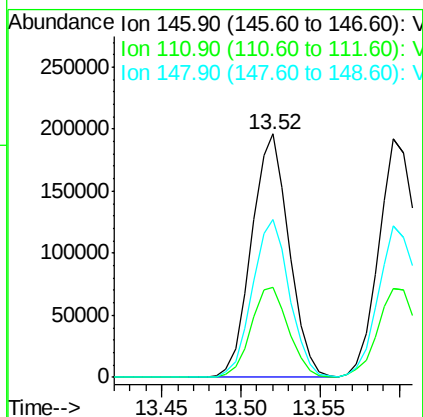
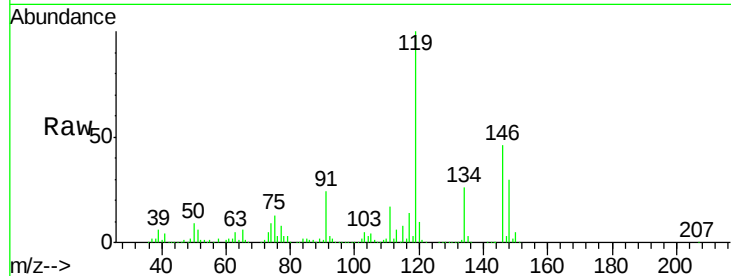




#87
 1,3-Dichlorobenzene
 Concen: 51.661 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

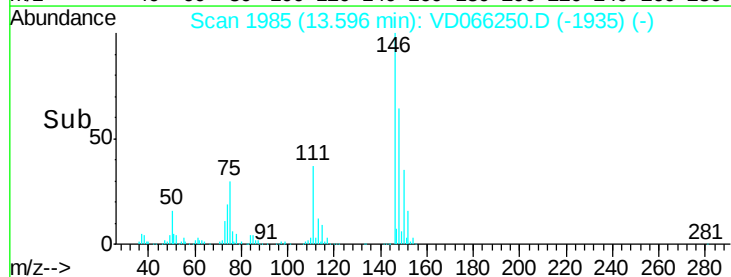
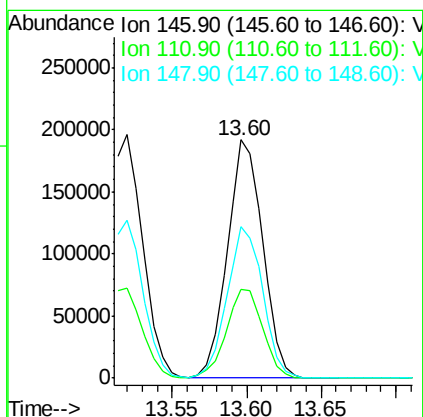
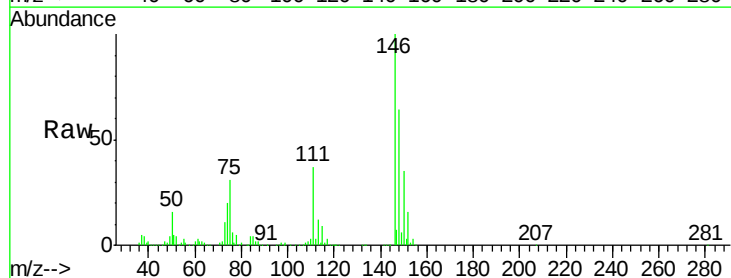
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

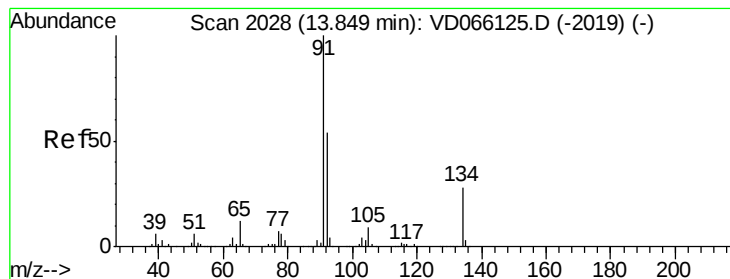
Tgt Ion:146 Resp: 322268
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 64.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.101 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion:146 Resp: 317909
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 63.8 32.4 97.0





#89

n-Butylbenzene

Concen: 55.459 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

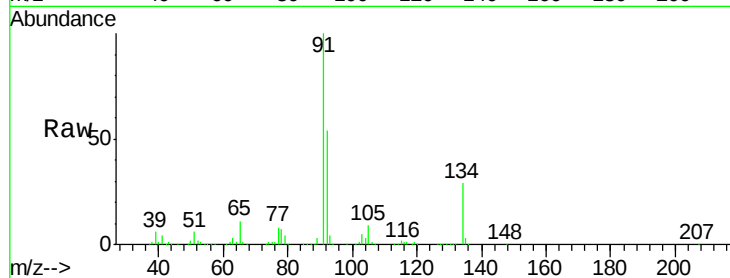
Tgt Ion: 91 Resp: 596685

Ion Ratio Lower Upper

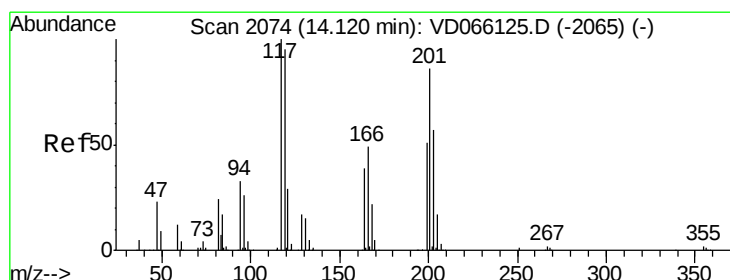
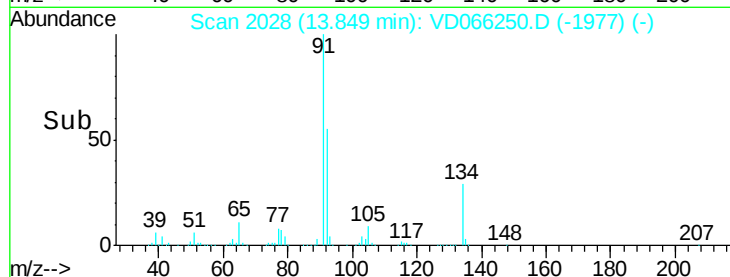
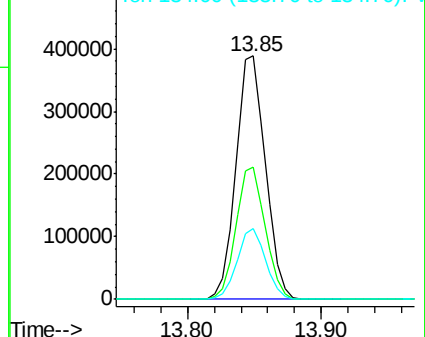
91 100

92 53.7 26.8 80.3

134 28.0 14.0 41.9



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



#90

Hexachloroethane

Concen: 52.493 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD066250.D

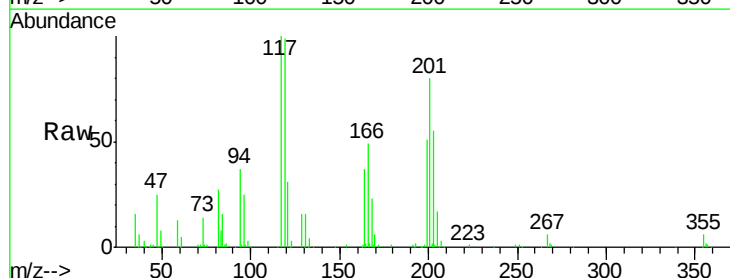
Acq: 17 Aug 2020 11:42

Tgt Ion: 117 Resp: 125720

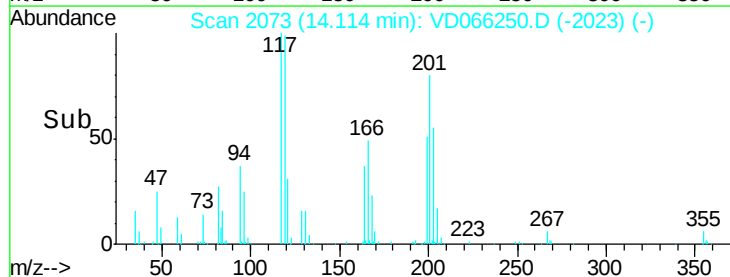
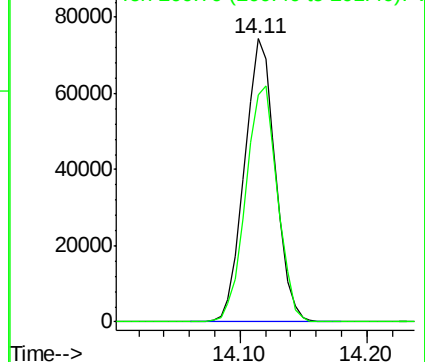
Ion Ratio Lower Upper

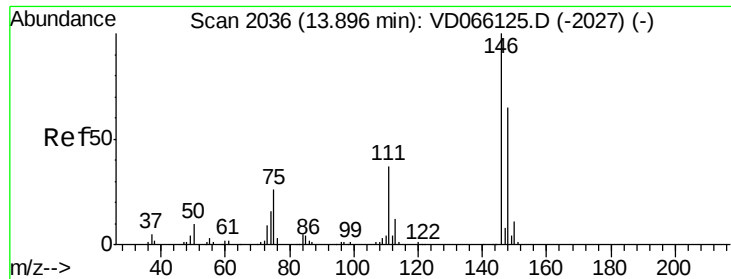
117 100

201 85.7 42.7 128.1



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





#91

1,2-Dichlorobenzene

Concen: 51.280 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

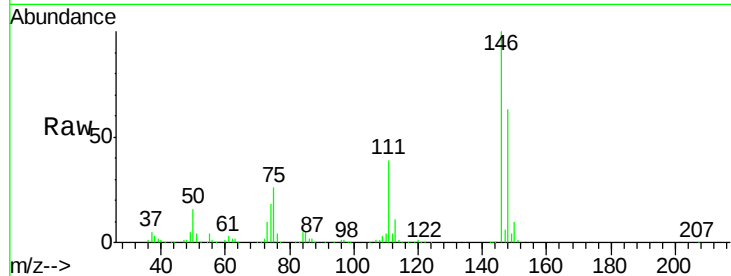
Tgt Ion:146 Resp: 282903

Ion Ratio Lower Upper

146 100

111 39.5 18.8 56.3

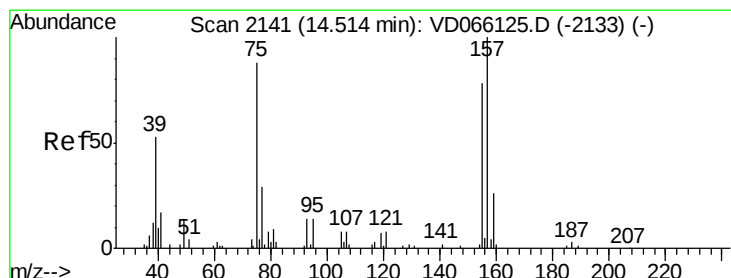
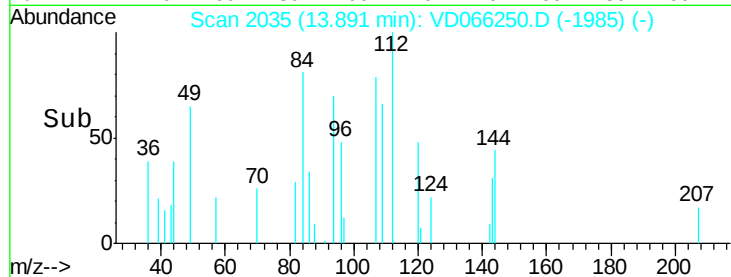
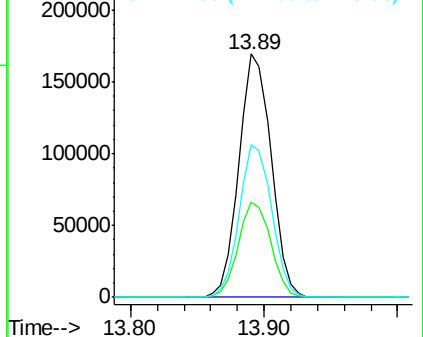
148 63.2 31.9 95.5



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: 48.242 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

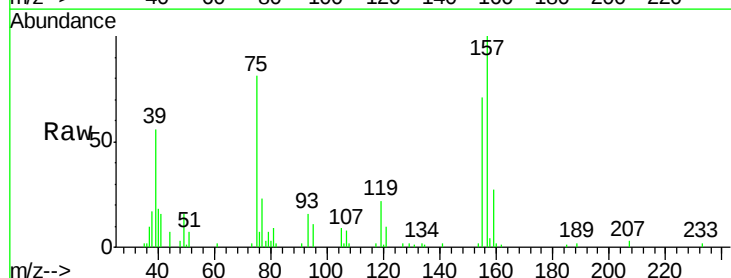
Tgt Ion: 75 Resp: 18229

Ion Ratio Lower Upper

75 100

155 98.1 47.7 143.1

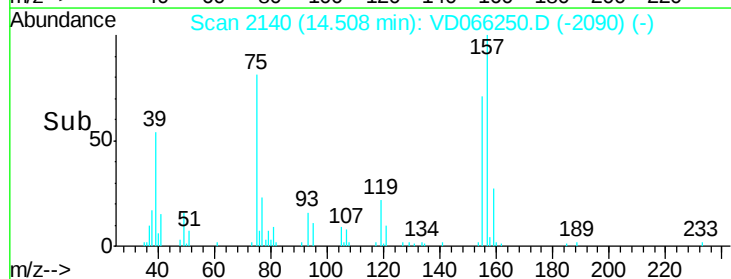
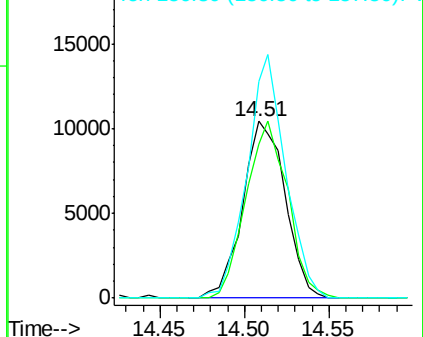
157 124.7 62.1 186.2

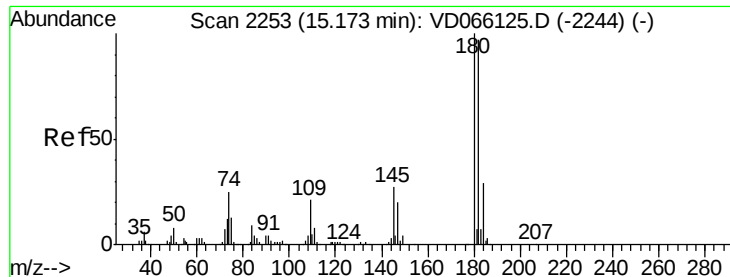


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

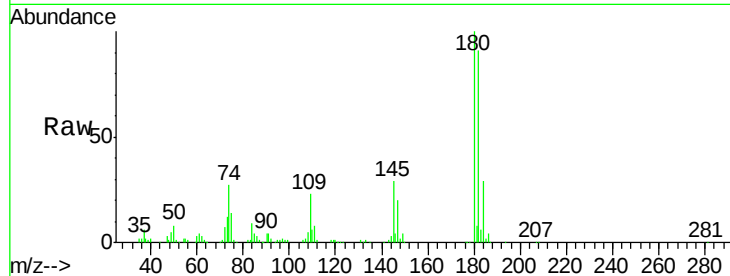




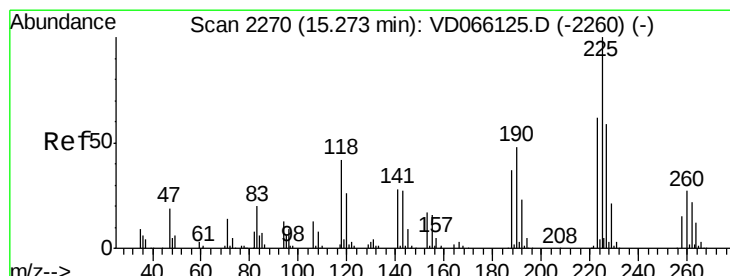
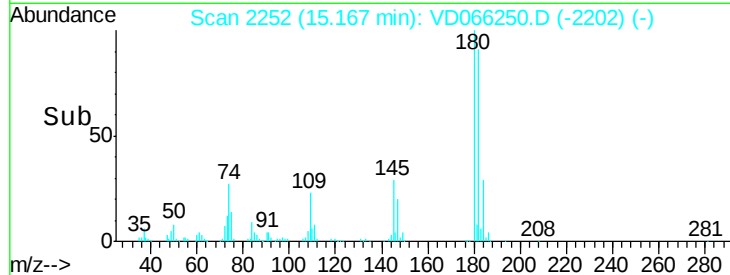
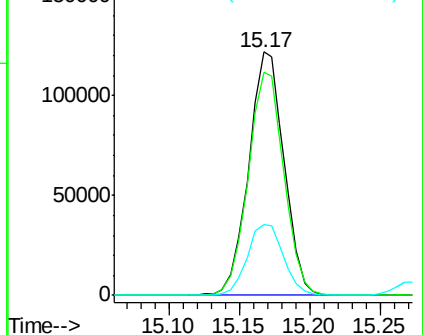
#93
 1,2,4-Trichlorobenzene
 Concen: 52.419 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.2
145	30.2	14.5	43.6

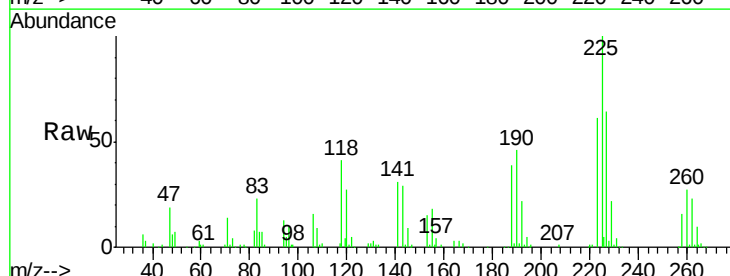


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

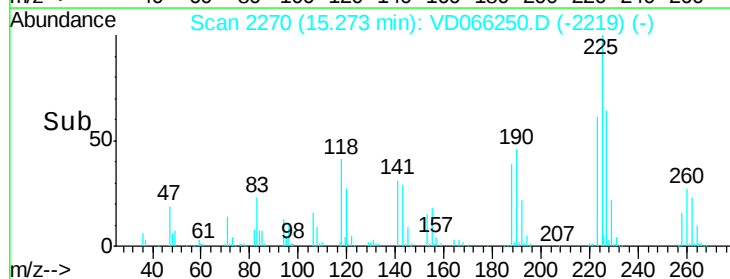
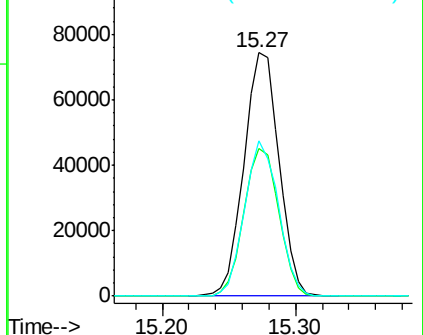


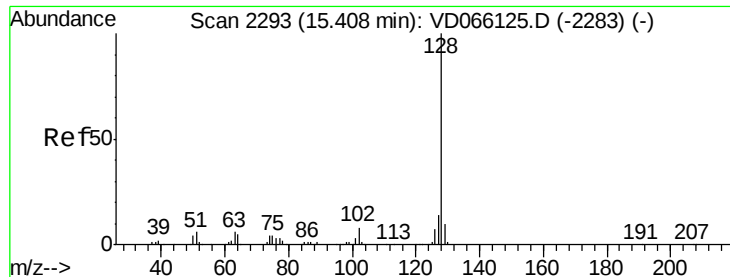
#94
 Hexachlorobutadiene
 Concen: 56.248 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066250.D
 Acq: 17 Aug 2020 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	32.3	96.9
227	61.6	32.1	96.5



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: 52.401 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

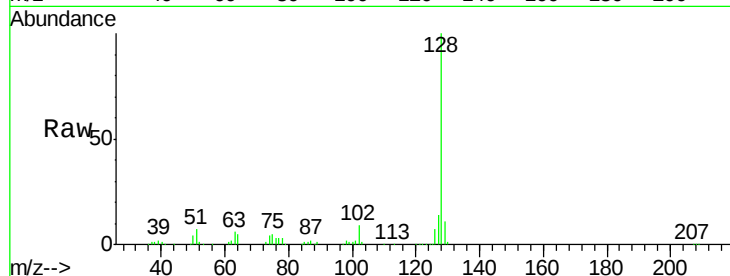
Tgt Ion:128 Resp: 347129

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

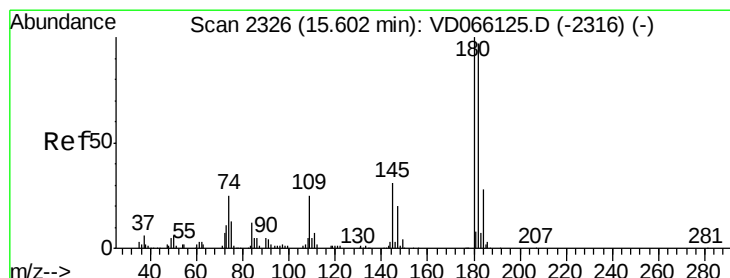
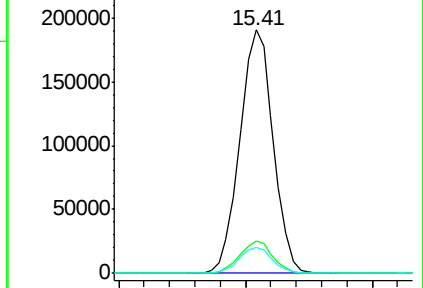
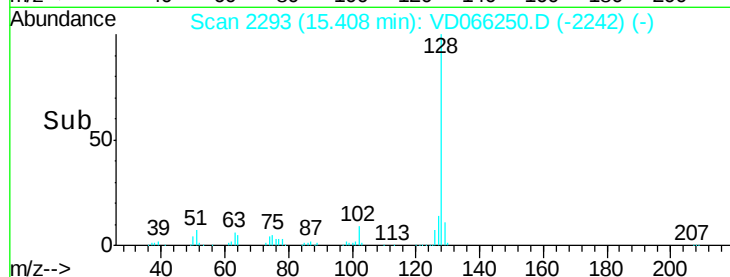
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.743 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066250.D

Acq: 17 Aug 2020 11:42

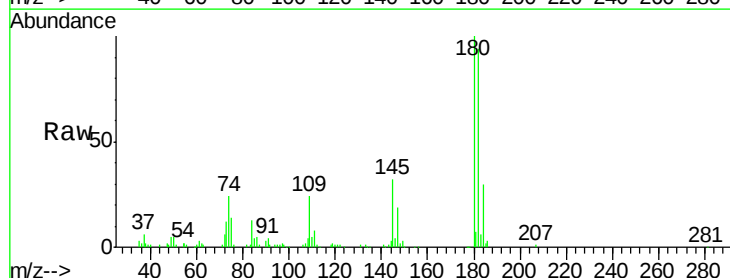
Tgt Ion:180 Resp: 185705

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.4

145 31.7 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

