

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066162.D
 Acq On : 10 Aug 2020 14:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 11 04:31:17 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	7.98	168	321816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	455795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	422231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150629	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.91	113	153755	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.34	98	582692	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	12.63	95	206591	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114937	40.538	ug/l	100
3) Chloromethane	2.20	50	90007	40.809	ug/l	96
4) Vinyl Chloride	2.34	62	92369	47.304	ug/l	99
5) Bromomethane	2.76	94	58453	45.120	ug/l	94
6) Chloroethane	2.91	64	54984	45.873	ug/l	91
7) Trichlorofluoromethane	3.27	101	227504	44.690	ug/l	99
8) Diethyl Ether	3.70	74	66007	45.953	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	138672	45.900	ug/l	99
10) Methyl Iodide	4.30	142	149541	53.782	ug/l	98
11) Tert butyl alcohol	5.21	59	45069	203.094	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	131607	46.177	ug/l	96
13) Acrolein	3.92	56	62850	275.015	ug/l	99
14) Allyl chloride	4.71	41	204010	47.249	ug/l	100
15) Acrylonitrile	5.41	53	143793	237.559	ug/l	98
16) Acetone	4.16	43	136508	250.580	ug/l	98
17) Carbon Disulfide	4.40	76	393671	43.443	ug/l	97
18) Methyl Acetate	4.71	43	59706	43.149	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	301370	46.134	ug/l	99
20) Methylene Chloride	4.96	84	159425	51.056	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	147897	45.173	ug/l	93
22) Diisopropyl ether	6.36	45	402671	47.160	ug/l	97
23) Vinyl Acetate	6.30	43	1195401	238.978	ug/l	100
24) 1,1-Dichloroethane	6.26	63	240760	45.563	ug/l	98
25) 2-Butanone	7.21	43	179072	223.490	ug/l	97
26) 2,2-Dichloropropane	7.20	77	225201	47.551	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	161360	46.988	ug/l	99
28) Bromochloromethane	7.54	49	93911	50.601	ug/l	97
29) Tetrahydrofuran	7.56	42	114043	229.727	ug/l	99
30) Chloroform	7.71	83	256026	46.143	ug/l	90
31) Cyclohexane	7.98	56	226290	44.988	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	238611	45.866	ug/l	99
36) 1,1-Dichloropropene	8.11	75	203794	47.581	ug/l	99
37) Ethyl Acetate	7.29	43	80685	47.545	ug/l	99
38) Carbon Tetrachloride	8.09	117	223727	46.841	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	250395	48.361	ug/l	96
40) Benzene	8.35	78	558401	46.997	ug/l	100
41) Methacrylonitrile	7.52	41	45964	46.066	ug/l	96
42) 1,2-Dichloroethane	8.42	62	161128	46.162	ug/l	99
43) Isopropyl Acetate	8.45	43	163397	48.868	ug/l	98
44) Trichloroethene	9.11	130	168642	47.102	ug/l	100
45) 1,2-Dichloropropane	9.38	63	138378	47.619	ug/l	91
46) Dibromomethane	9.47	93	76047	47.510	ug/l	99
47) Bromodichloromethane	9.66	83	201730	47.684	ug/l	93
48) Methyl methacrylate	9.46	41	83298	48.789	ug/l	97
49) 1,4-Dioxane	9.46	88	17474	849.717	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	408176	237.659	ug/l	99
52) Toluene	10.40	92	369941	47.317	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	193962	48.312	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	225628	47.966	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	106373	46.151	ug/l	95
56) Ethyl methacrylate	10.66	69	133961	48.382	ug/l	97
57) 1,3-Dichloropropane	10.94	76	179642	46.948	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	361365	290.147	ug/l	99
59) 2-Hexanone	10.98	43	285233	236.637	ug/l	98
60) Dibromochloromethane	11.14	129	147664	46.405	ug/l	99
61) 1,2-Dibromoethane	11.24	107	105498	47.594	ug/l	99
64) Tetrachloroethene	10.87	164	149583	46.135	ug/l	97
65) Chlorobenzene	11.67	112	401897	46.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	156744	46.737	ug/l	99
67) Ethyl Benzene	11.74	91	710355	47.824	ug/l	99
68) m/p-Xylenes	11.86	106	545199	94.737	ug/l	97
69) o-Xylene	12.18	106	250966	47.940	ug/l	99
70) Styrene	12.20	104	445031	48.507	ug/l	99
71) Bromoform	12.36	173	91841	46.220	ug/l #	100
73) Isopropylbenzene	12.48	105	703847	47.864	ug/l	98
74) N-amyl acetate	12.29	43	154815	47.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	113582	45.297	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	151988	82.732	ug/l #	100
77) Bromobenzene	12.76	156	176193	46.545	ug/l	99
78) n-propylbenzene	12.82	91	830332	48.575	ug/l	99
79) 2-Chlorotoluene	12.91	91	465856	47.650	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	595262	48.403	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40717	48.994	ug/l	97
82) 4-Chlorotoluene	13.01	91	487507	47.237	ug/l	100
83) tert-Butylbenzene	13.23	119	513303	47.460	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	595673	48.399	ug/l	99
85) sec-Butylbenzene	13.41	105	708174	48.498	ug/l	99
86) p-Isopropyltoluene	13.52	119	663867	48.473	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	327057	45.970	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	329333	46.416	ug/l	99
89) n-Butylbenzene	13.85	91	605534	49.348	ug/l	100
90) Hexachloroethane	14.12	117	125460	45.932	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	290861	46.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18632	43.234	ug/l	95

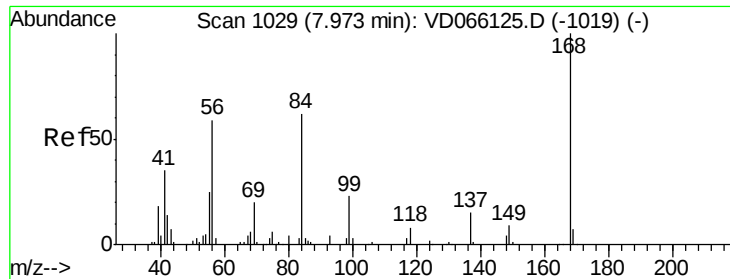
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
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QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219824	47.409	ug/l	99
94) Hexachlorobutadiene	15.27	225	132163	48.404	ug/l	98
95) Naphthalene	15.41	128	373360	49.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	192053	46.920	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

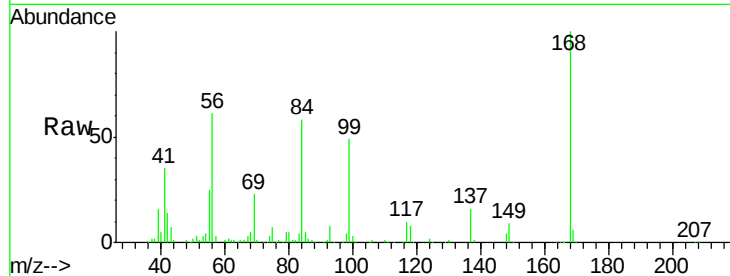
VSTDCCC050

Tot Ion:168 Resp: 321816

Ion Ratio Lower Upper

168 100

99 49.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

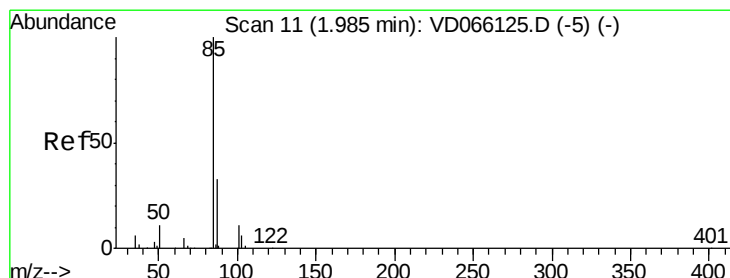
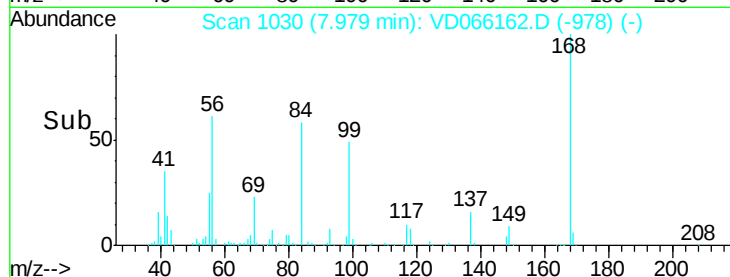
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.538 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066162.D

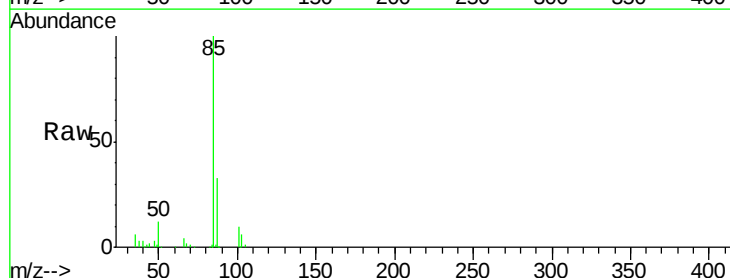
Acq: 10 Aug 2020 14:04

Tgt Ion: 85 Resp: 114937

Ion Ratio Lower Upper

85 100

87 32.8 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

100000

80000

60000

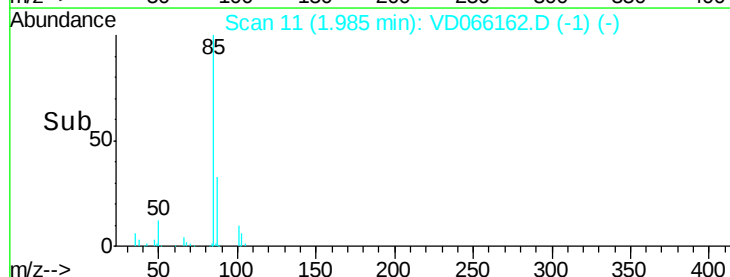
40000

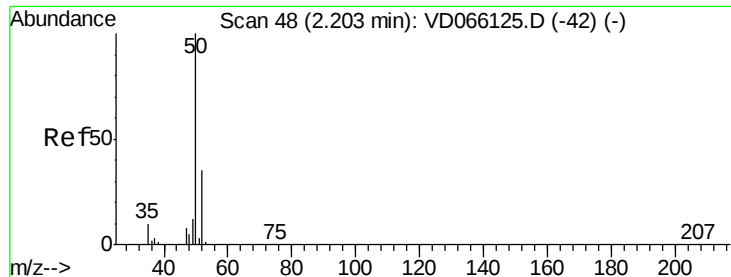
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.809 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

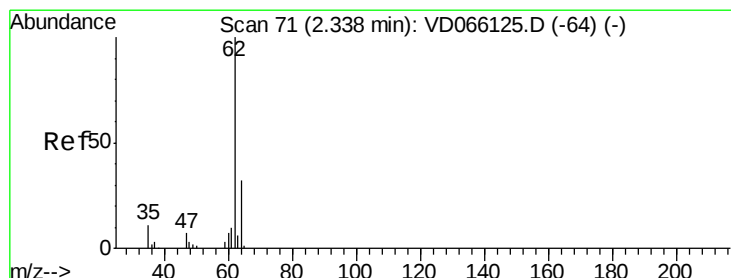
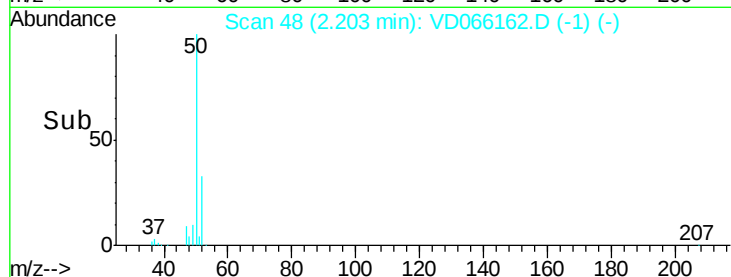
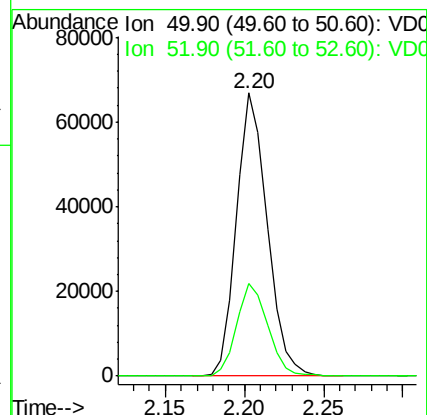
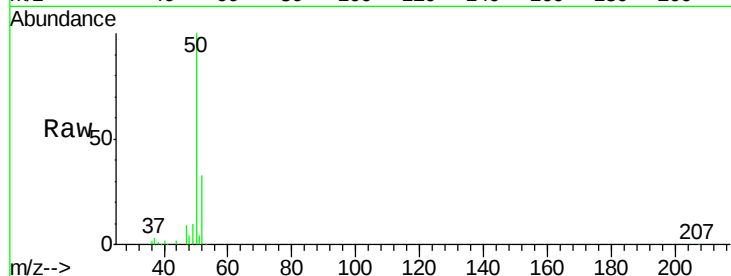
VSTDCCC050

Tot Ion: 50 Resp: 90007

Ion Ratio Lower Upper

50 100

52 32.5 27.9 41.9



#4

Vinyl Chloride

Concen: 47.304 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066162.D

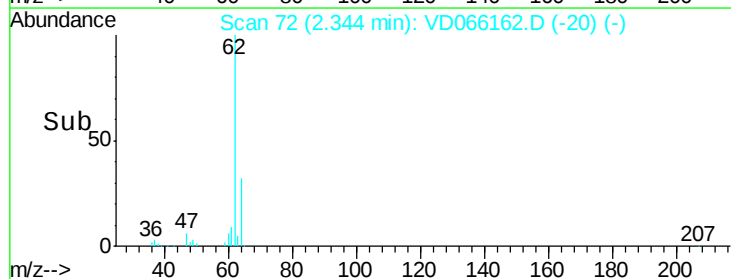
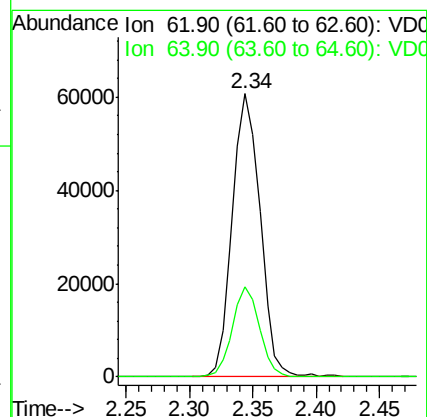
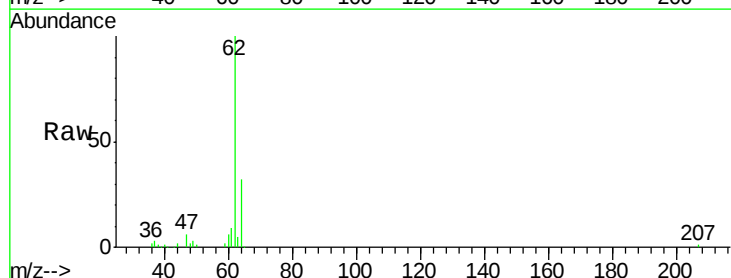
Acq: 10 Aug 2020 14:04

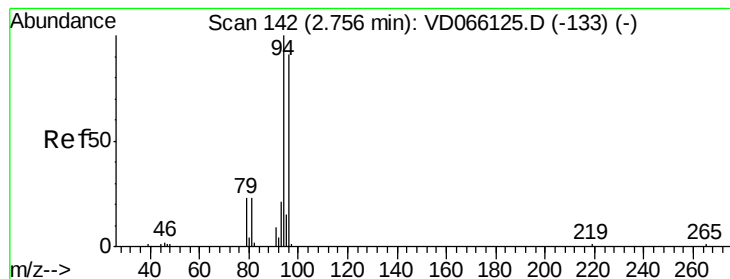
Tgt Ion: 62 Resp: 92369

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 45.120 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

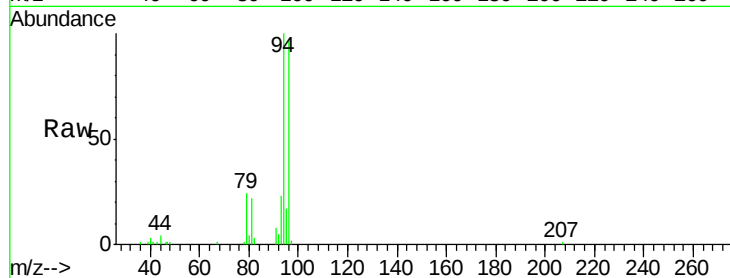
VSTDCCC050

Tot Ion: 94 Resp: 58453

Ion Ratio Lower Upper

94 100

96 96.9 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

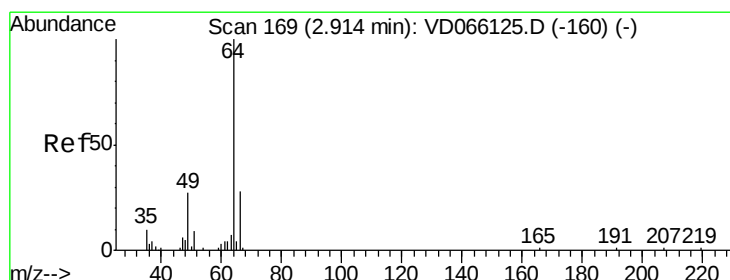
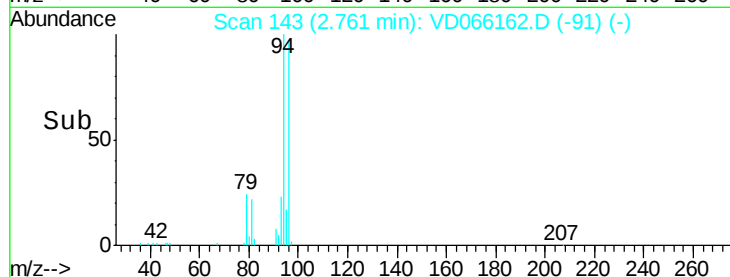
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 45.873 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD066162.D

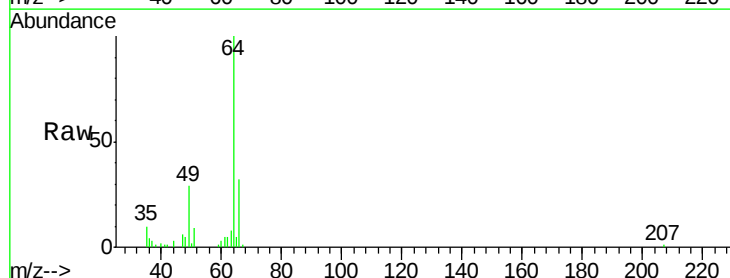
Acq: 10 Aug 2020 14:04

Tgt Ion: 64 Resp: 54984

Ion Ratio Lower Upper

64 100

66 32.0 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

30000

25000

20000

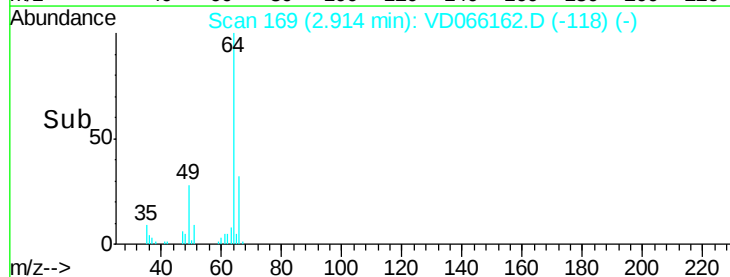
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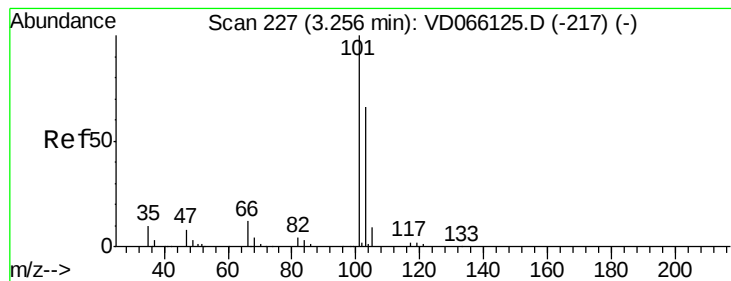
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 44.690 ug/l

RT: 3.27 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

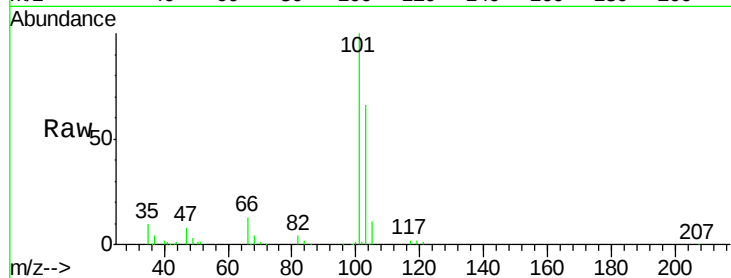
VSTDCCC050

Tot Ion:101 Resp: 227504

Ion Ratio Lower Upper

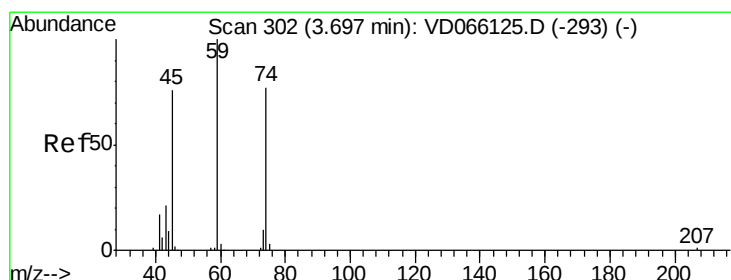
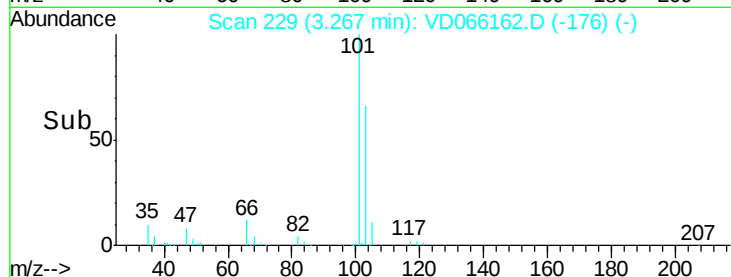
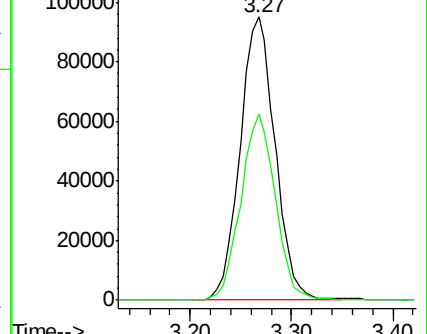
101 100

103 65.9 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: 45.953 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066162.D

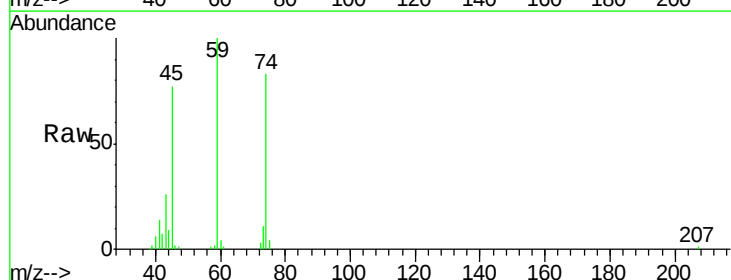
Acq: 10 Aug 2020 14:04

Tgt Ion: 74 Resp: 66007

Ion Ratio Lower Upper

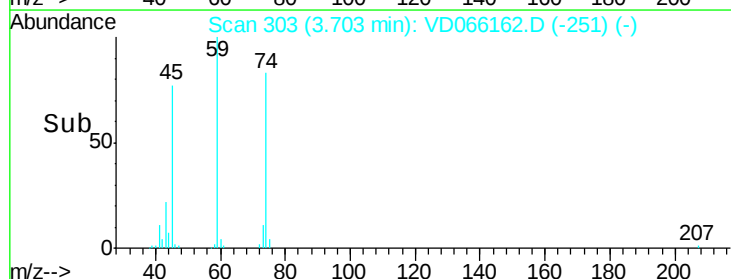
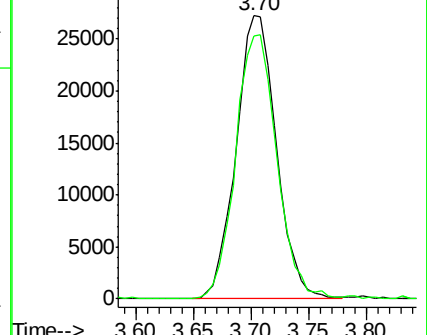
74 100

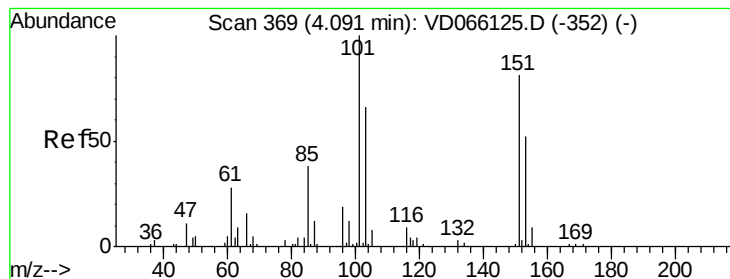
45 95.6 48.4 145.2



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: 45.900 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

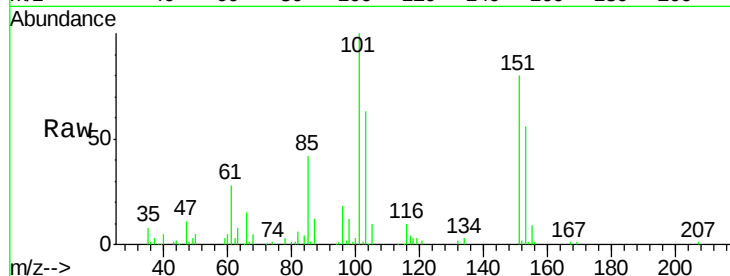
Tot Ion:101 Resp: 138672

Ion Ratio Lower Upper

101 100

85 42.7 33.5 50.3

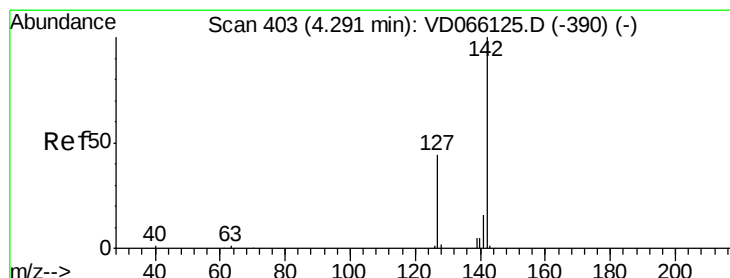
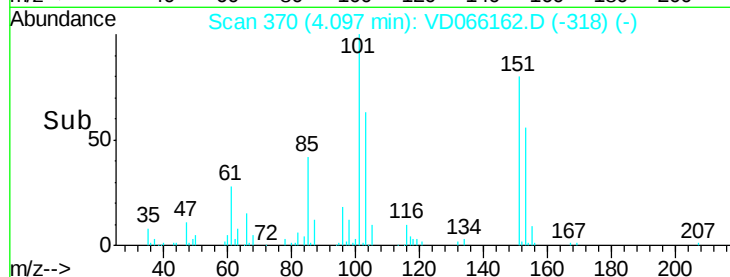
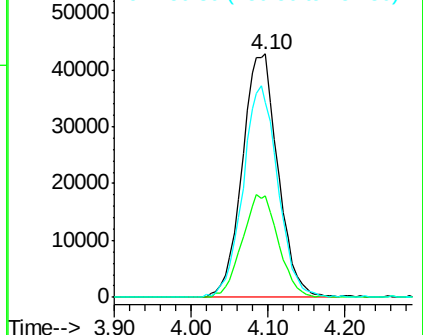
151 85.1 67.8 101.8



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: 53.782 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

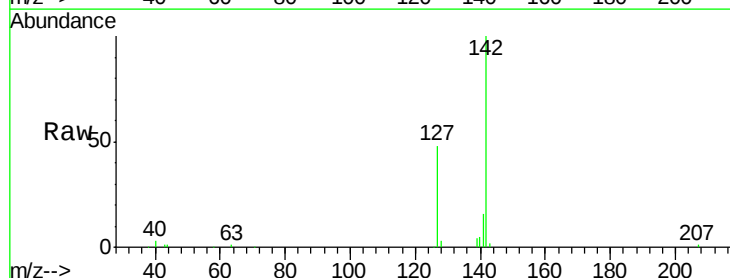
Tgt Ion:142 Resp: 149541

Ion Ratio Lower Upper

142 100

127 43.7 36.2 54.4

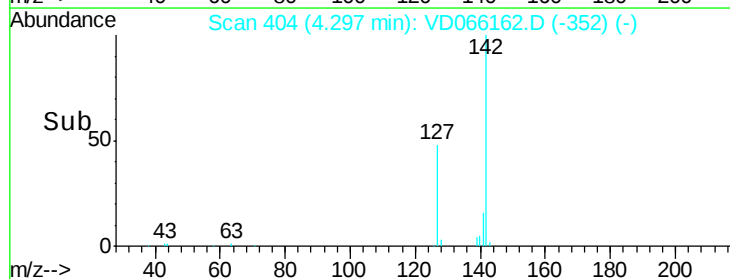
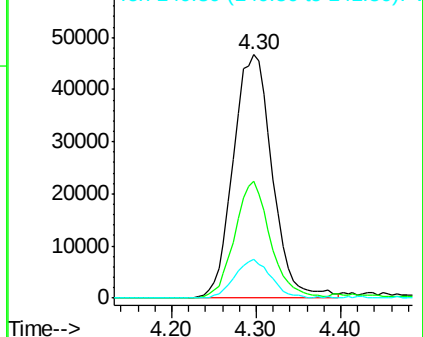
141 14.7 12.6 18.8

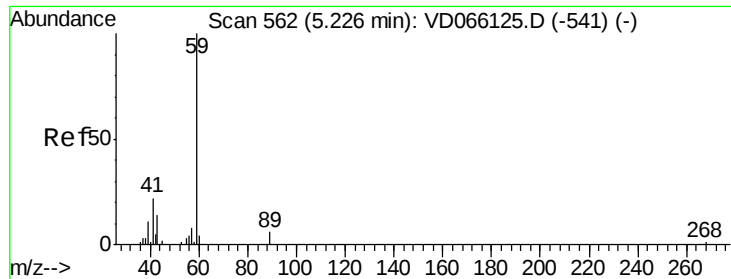


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



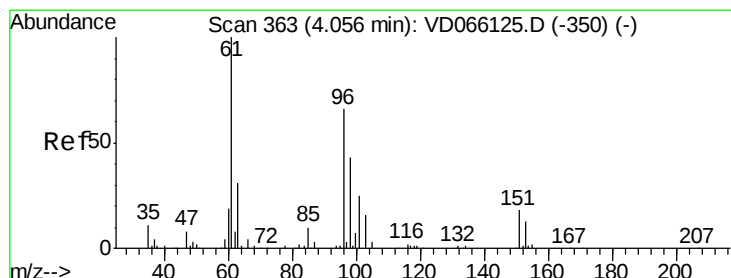
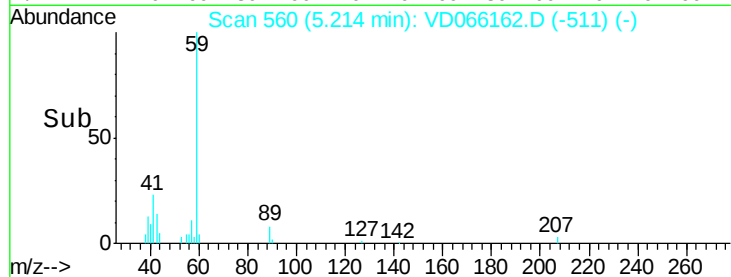
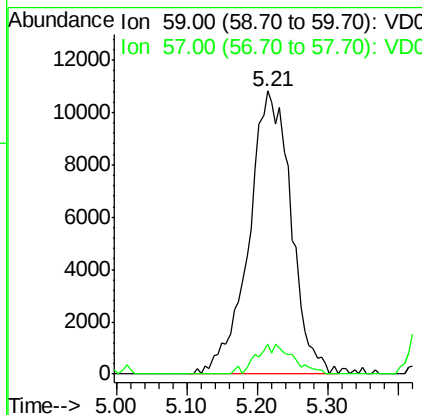
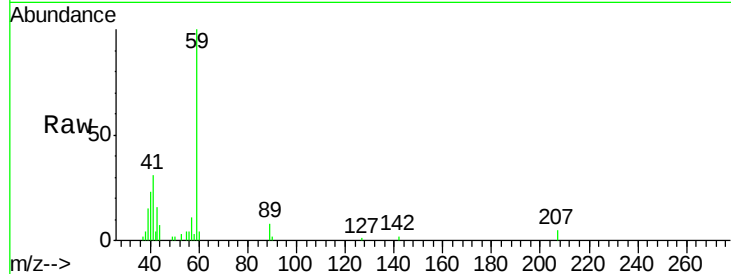


#11

Tert butyl alcohol
 Concen: 203.094 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

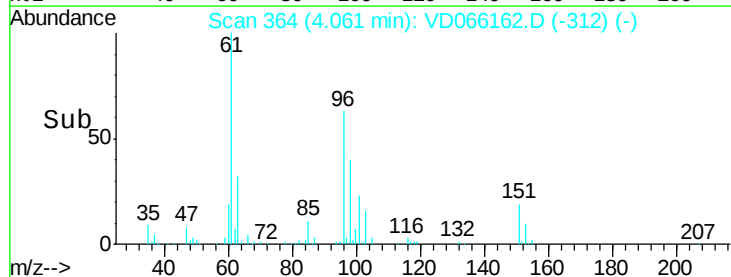
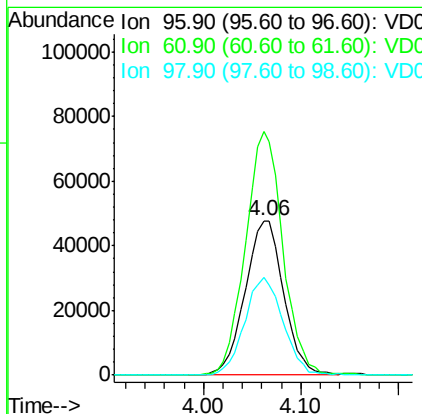
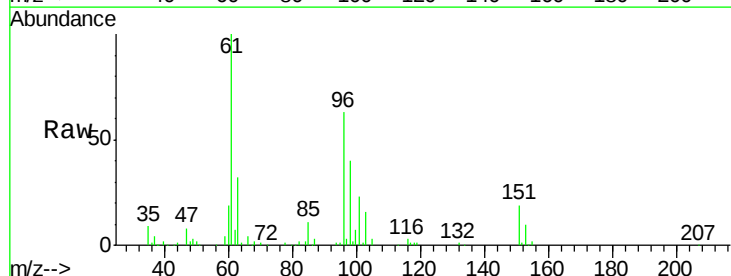
Tot Ion: 59 Resp: 45069
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

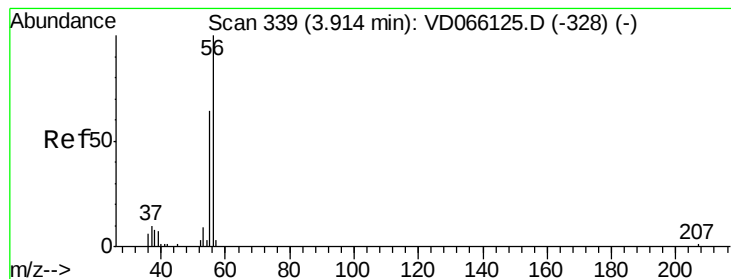


#12

1,1-Dichloroethene
 Concen: 46.177 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 96 Resp: 131607
 Ion Ratio Lower Upper
 96 100
 61 157.7 121.6 182.4
 98 63.7 52.0 78.0





#13

Acrolein

Concen: 275.015 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

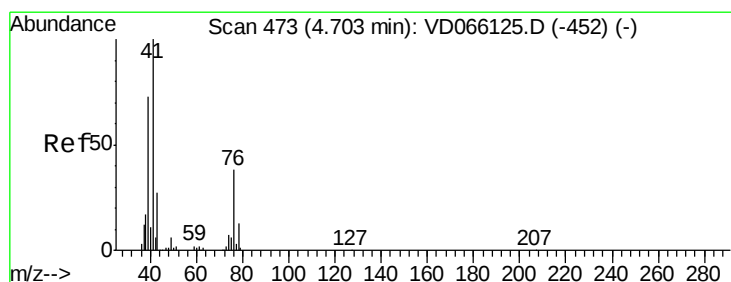
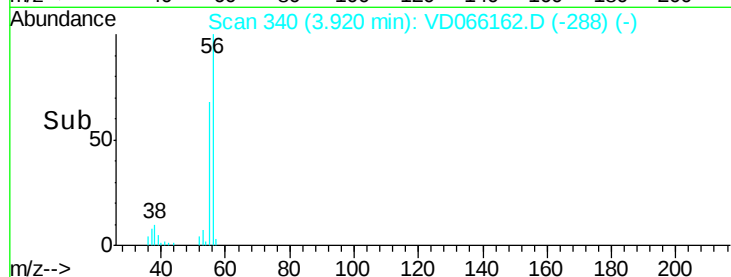
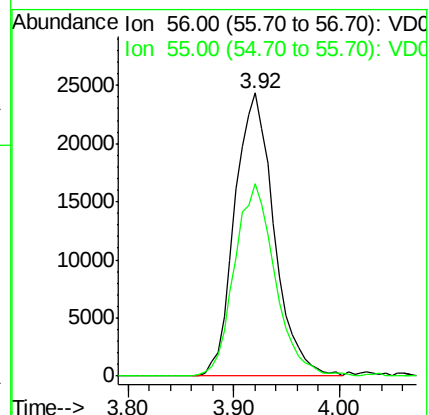
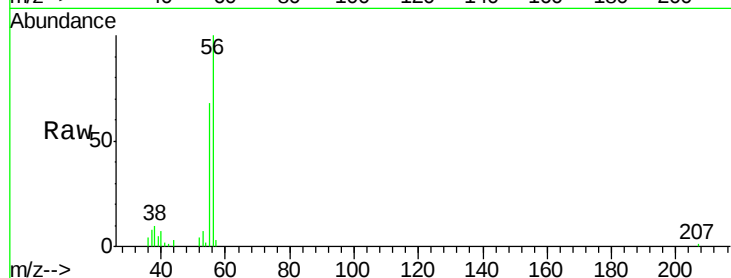
VSTDCCC050

Tot Ion: 56 Resp: 62850

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



#14

Allyl chloride

Concen: 47.249 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

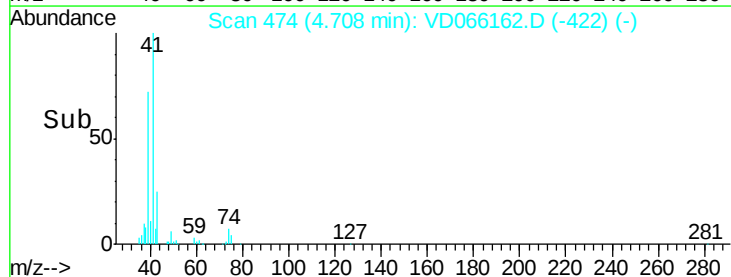
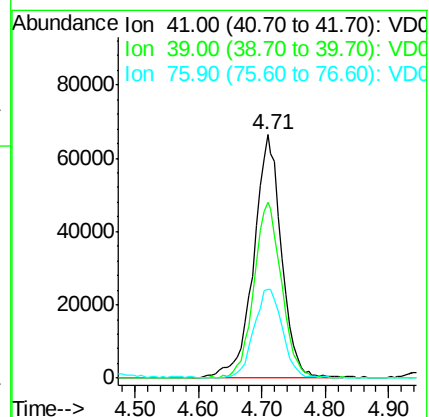
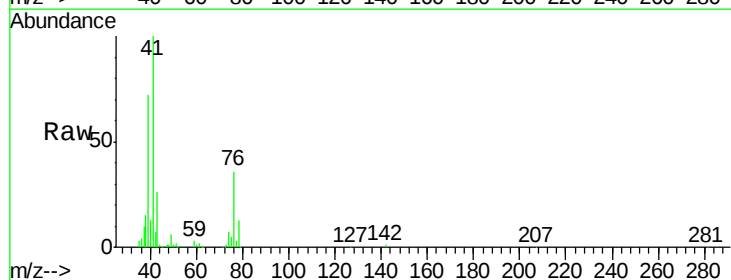
Tgt Ion: 41 Resp: 204010

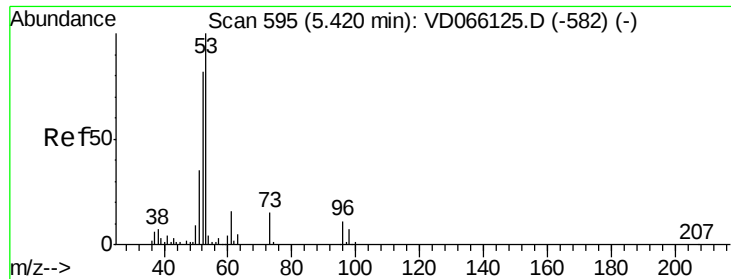
Ion Ratio Lower Upper

41 100

39 72.0 57.4 86.0

76 37.7 30.1 45.1





#15

Acrylonitrile

Concen: 237.559 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

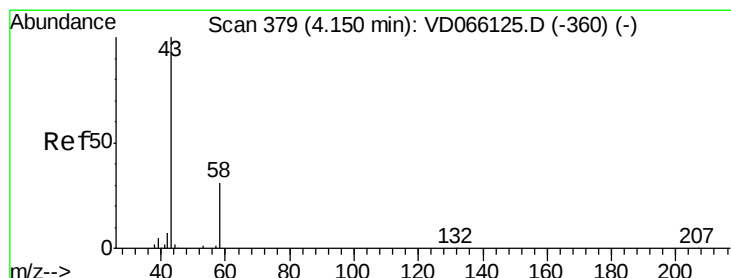
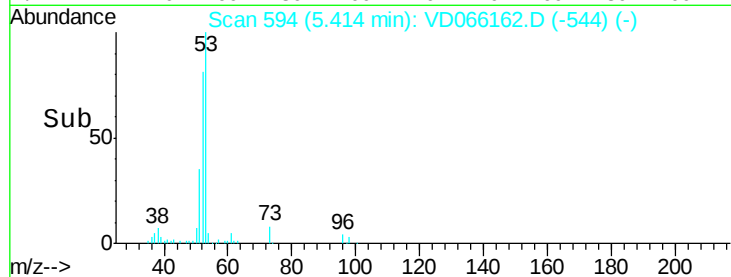
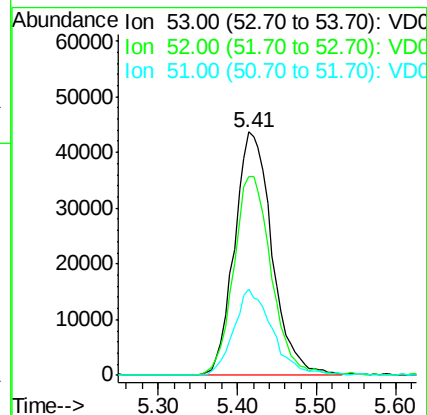
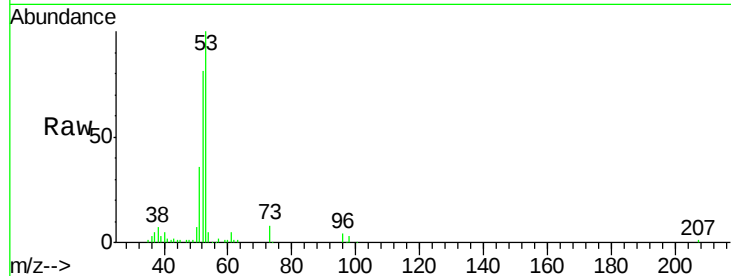
Tot Ion: 53 Resp: 143793

Ion Ratio Lower Upper

53 100

52 81.5 66.1 99.1

51 36.4 30.8 46.2



#16

Acetone

Concen: 250.580 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066162.D

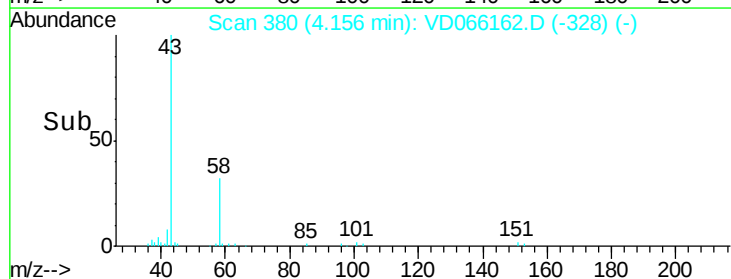
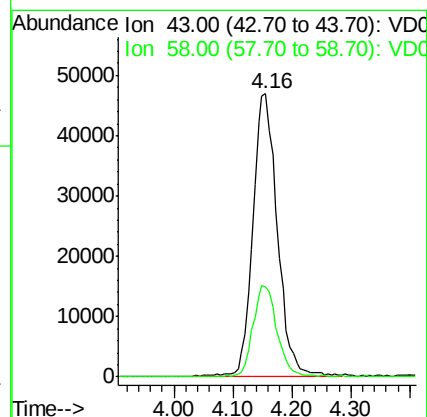
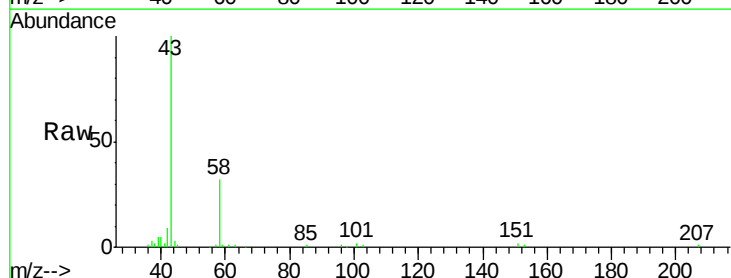
Acq: 10 Aug 2020 14:04

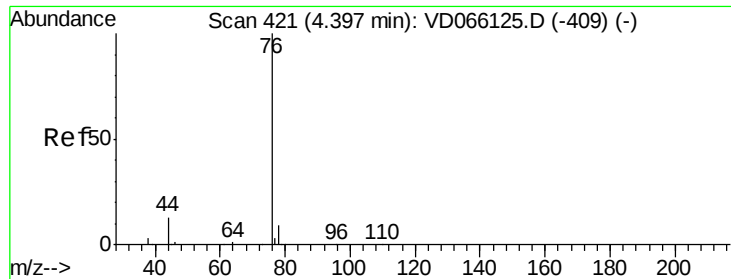
Tgt Ion: 43 Resp: 136508

Ion Ratio Lower Upper

43 100

58 32.0 24.7 37.1

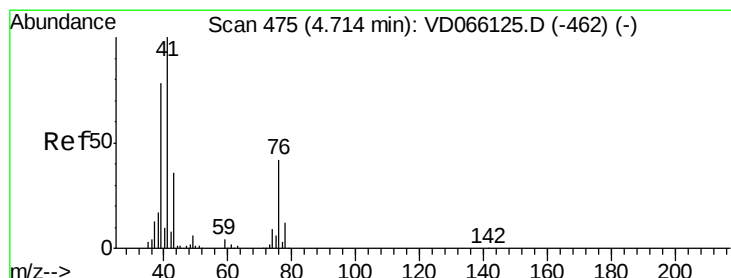
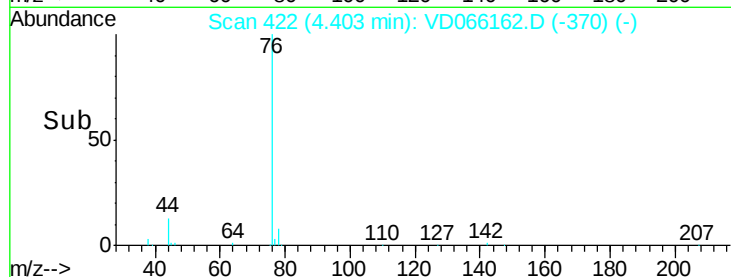
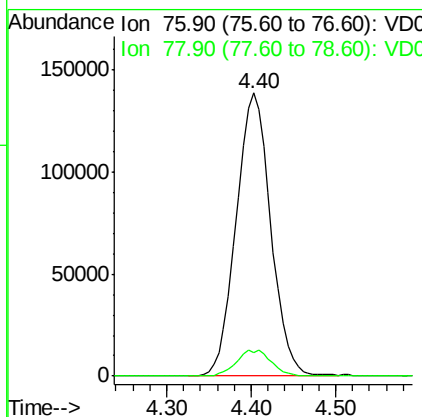
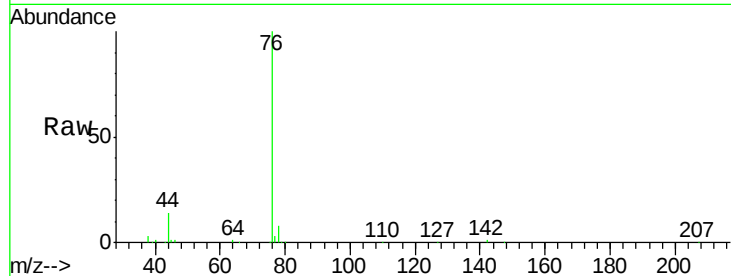




#17
Carbon Disulfide
Concen: 43.443 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

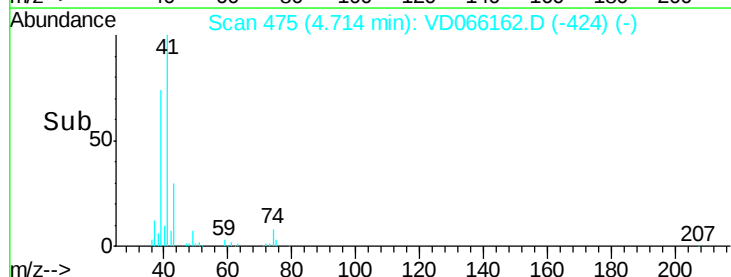
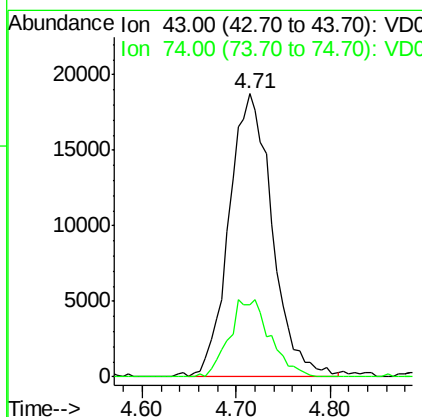
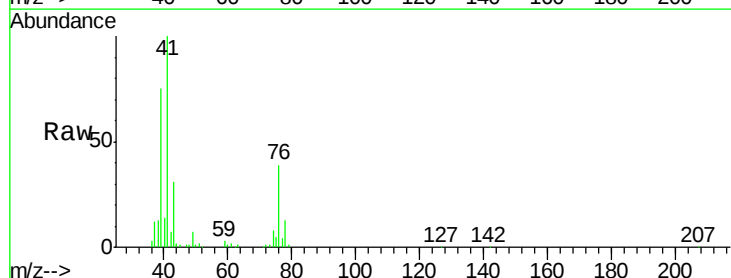
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

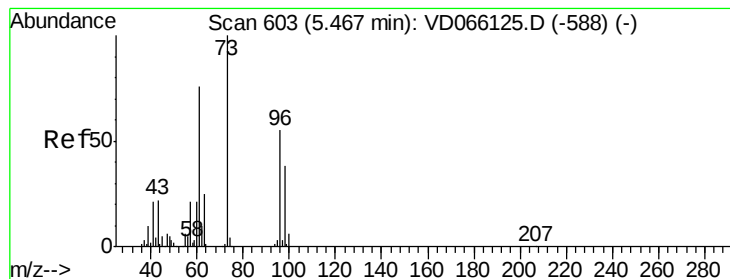
Tot Ion: 76 Resp: 393671
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3



#18
Methyl Acetate
Concen: 43.149 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 43 Resp: 59706
Ion Ratio Lower Upper
43 100
74 26.0 21.2 31.8



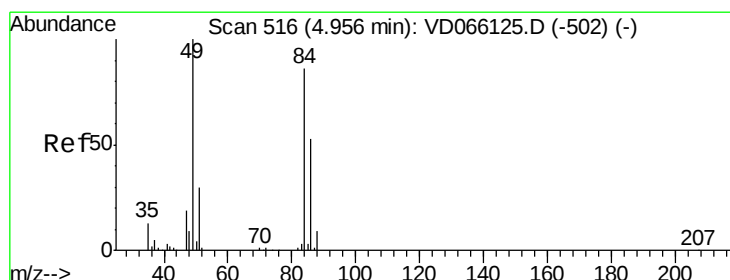
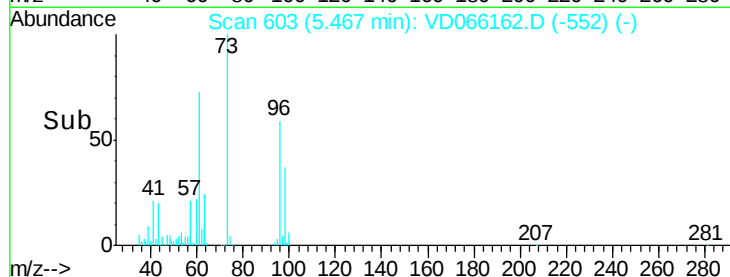
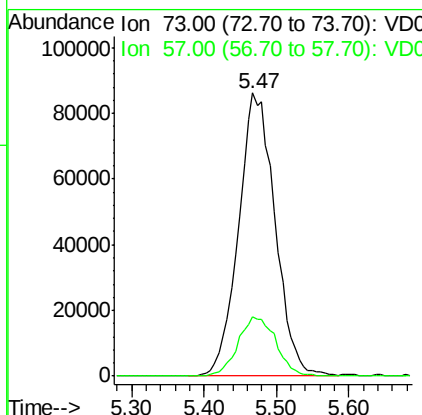
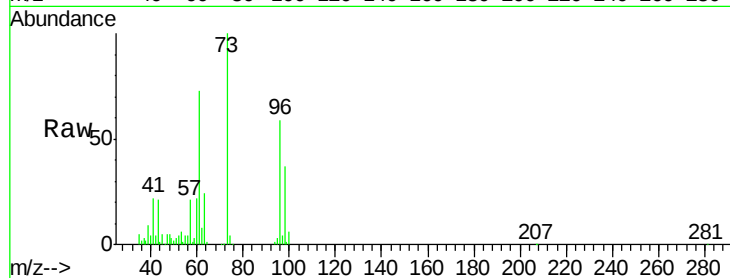


#19

Methyl tert-butyl Ether
 Concen: 46.134 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

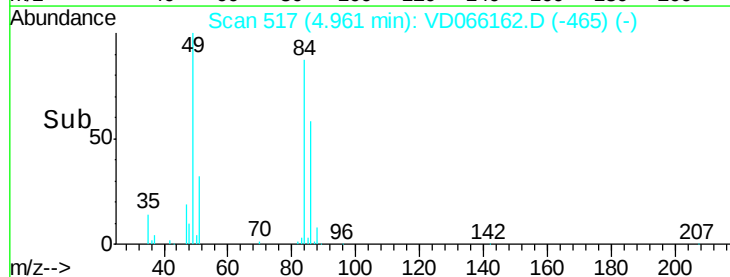
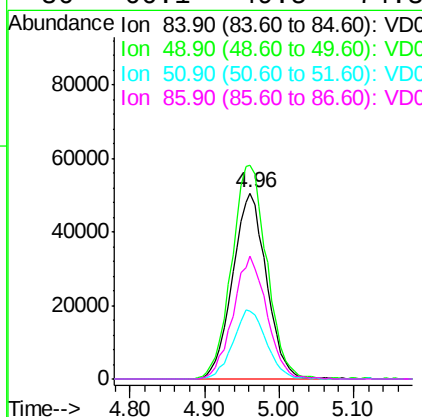
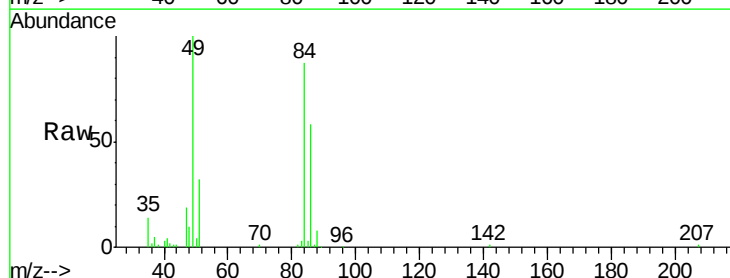
Tot Ion: 73 Resp: 301370
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.1 25.7

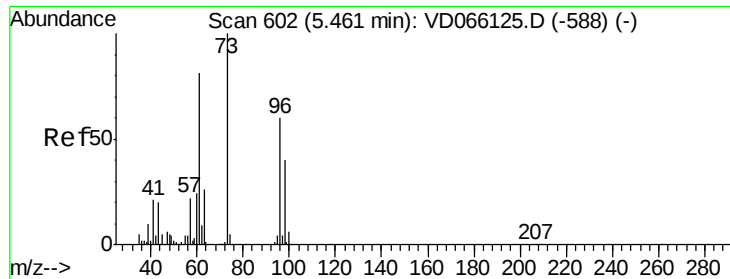


#20

Methylene Chloride
 Concen: 51.056 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 84 Resp: 159425
 Ion Ratio Lower Upper
 84 100
 49 114.8 93.5 140.3
 51 36.8 28.2 42.4
 86 66.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.173 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

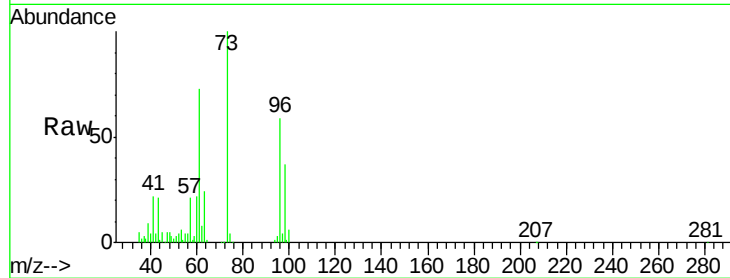
Tot Ion: 96 Resp: 147897

Ion Ratio Lower Upper

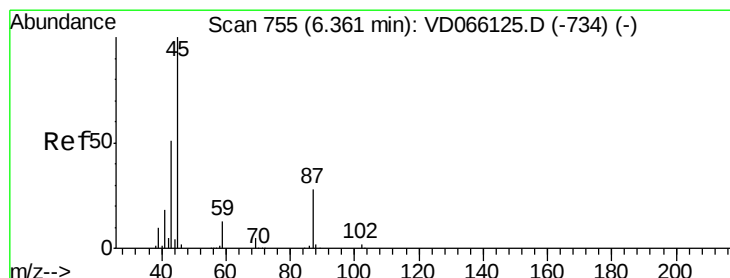
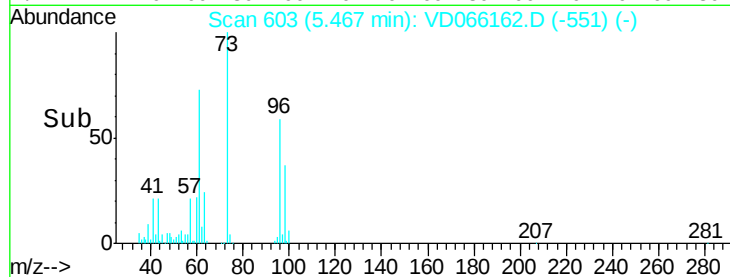
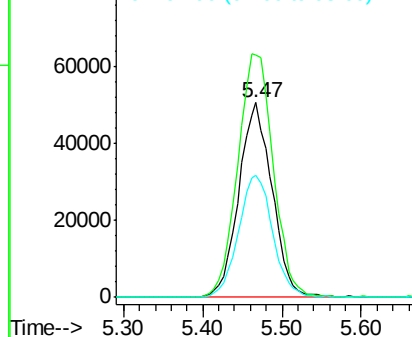
96 100

61 124.8 106.9 160.3

98 63.0 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: 47.160 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Tgt Ion: 45 Resp: 402671

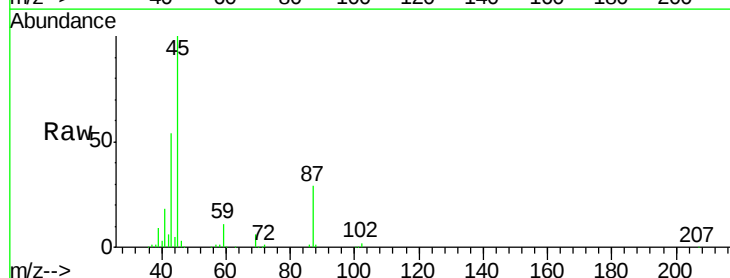
Ion Ratio Lower Upper

45 100

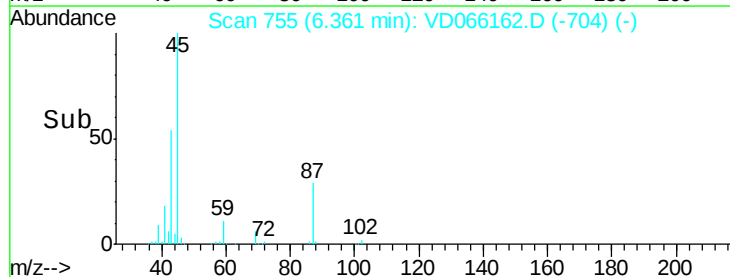
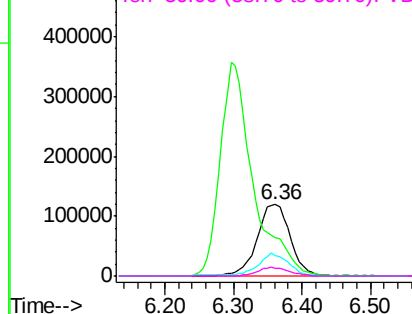
43 53.7 41.2 61.8

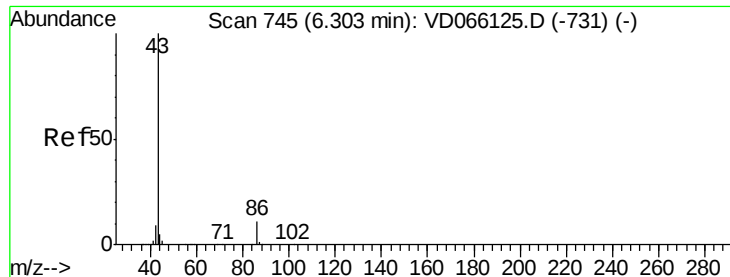
87 29.1 22.8 34.2

59 11.3 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: 238.978 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

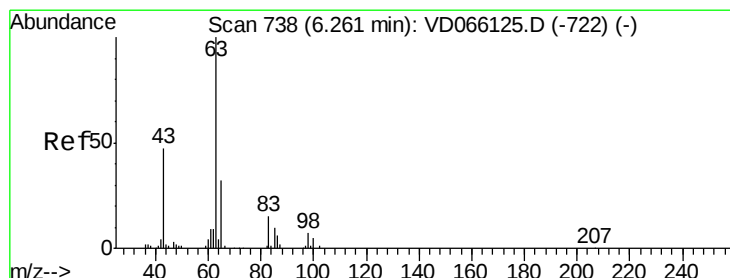
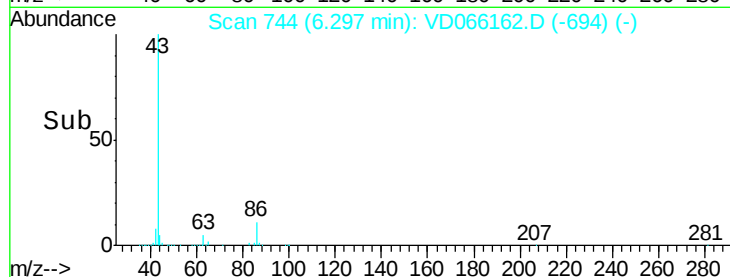
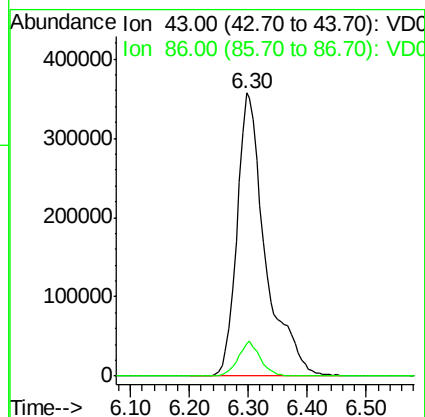
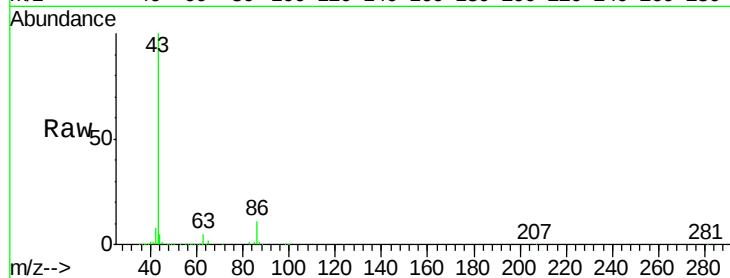
VSTDCCC050

Tot Ion: 43 Resp: 1195401

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



#24

1,1-Dichloroethane

Concen: 45.563 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

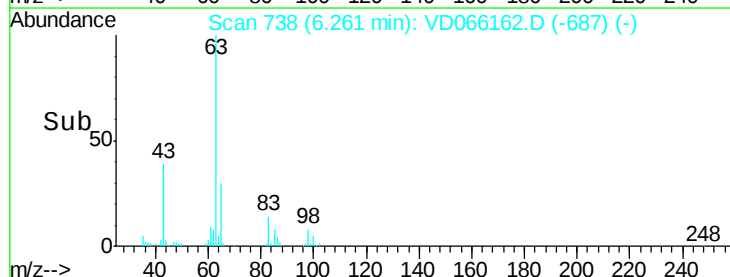
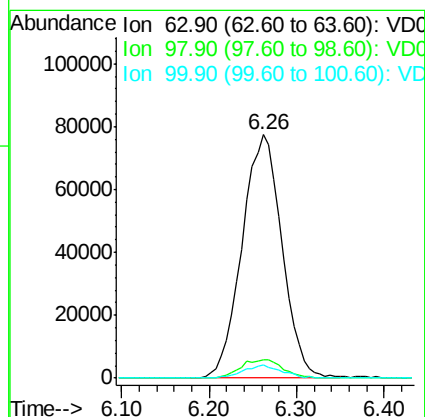
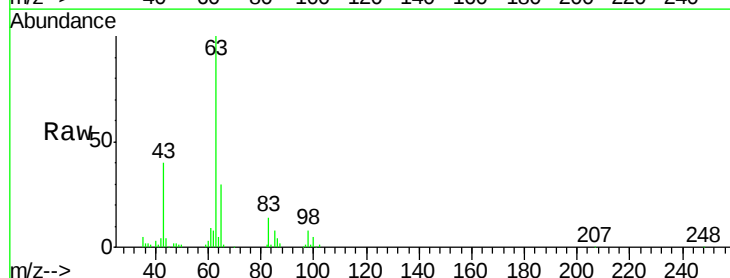
Tgt Ion: 63 Resp: 240760

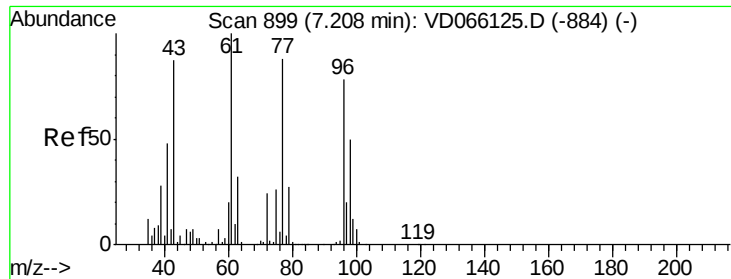
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 223.490 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

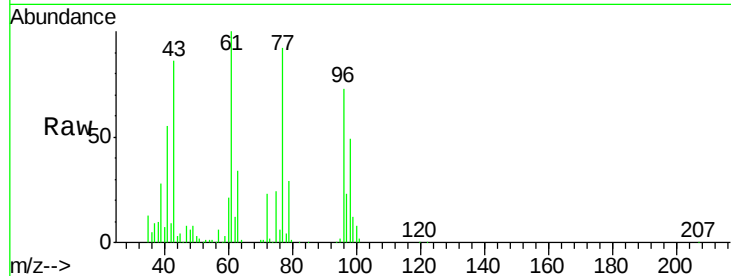
VSTDCCC050

Tot Ion: 43 Resp: 179072

Ion Ratio Lower Upper

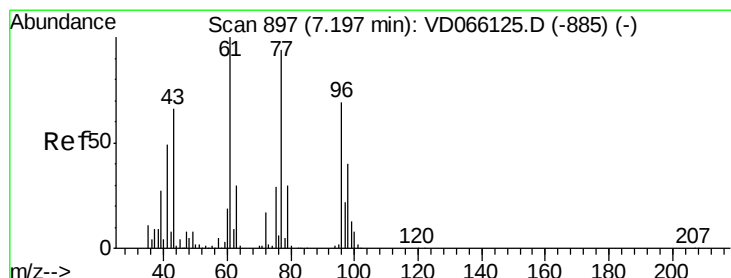
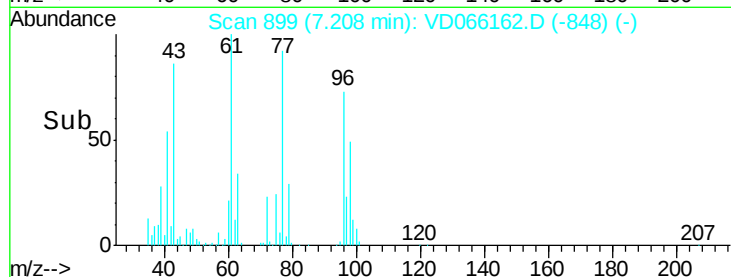
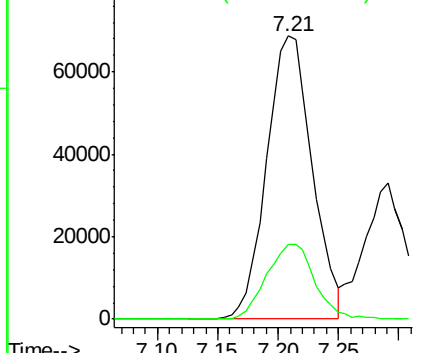
43 100

72 26.4 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: 47.551 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066162.D

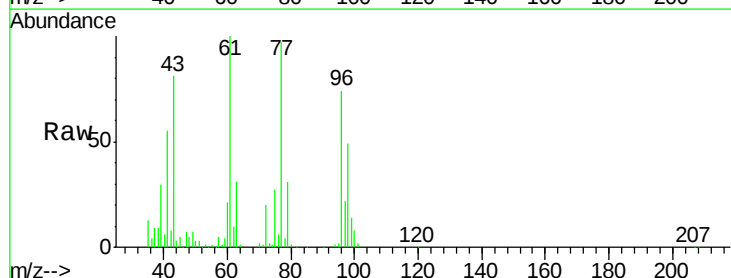
Acq: 10 Aug 2020 14:04

Tgt Ion: 77 Resp: 225201

Ion Ratio Lower Upper

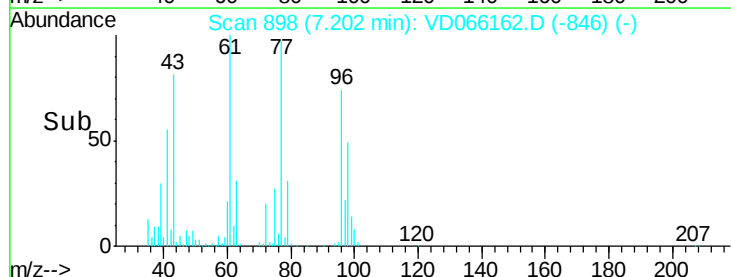
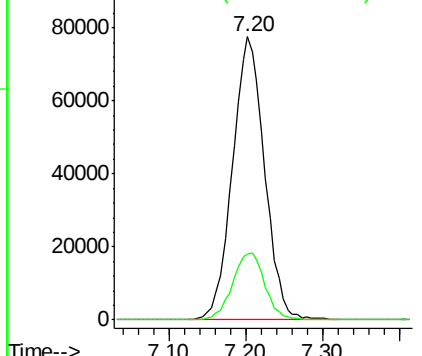
77 100

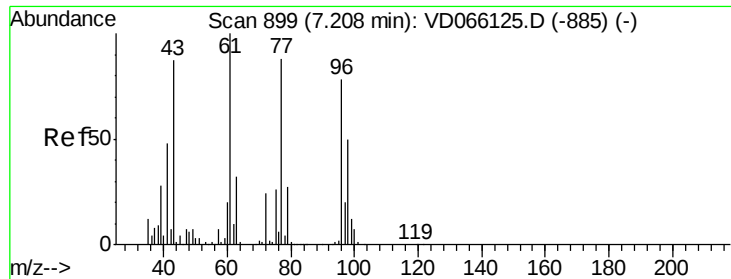
97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



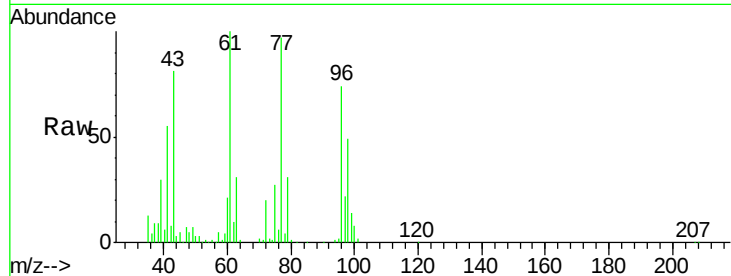


#27

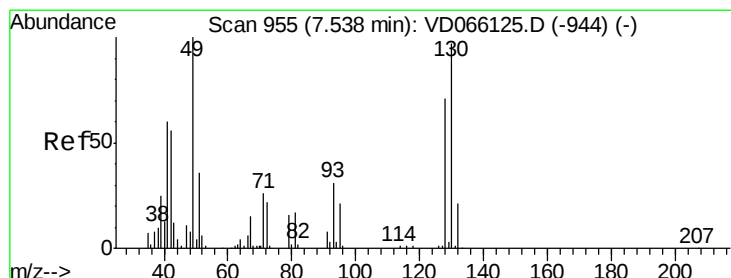
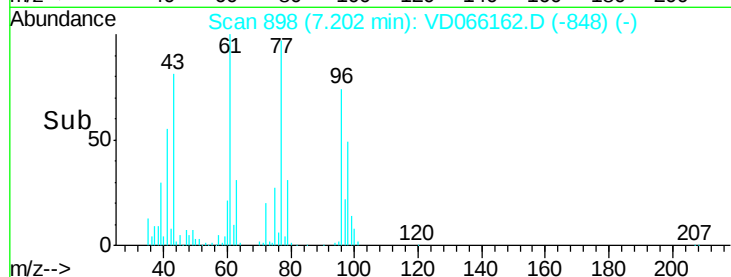
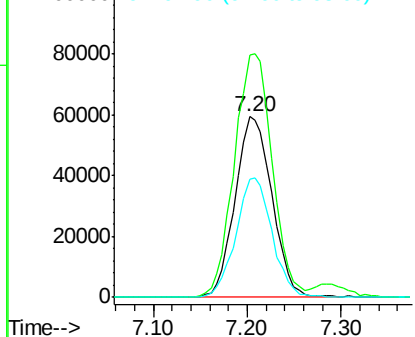
cis-1,2-Dichloroethene
Concen: 46.988 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 161360
Ion Ratio Lower Upper
96 100
61 138.7 0.0 281.6
98 64.8 0.0 130.8



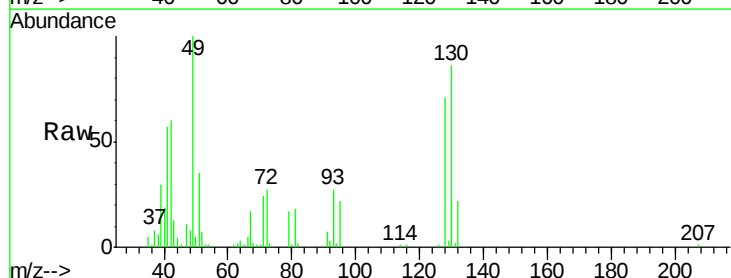
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



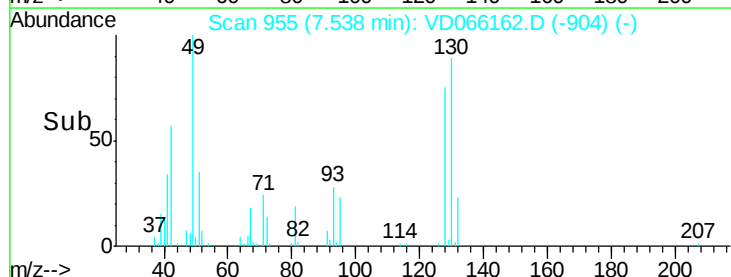
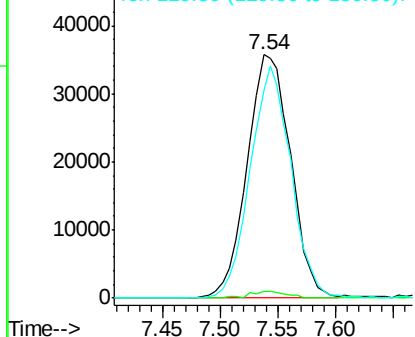
#28

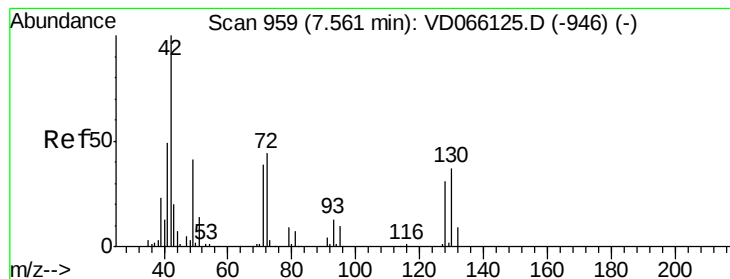
Bromochloromethane
Concen: 50.601 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 49 Resp: 93911
Ion Ratio Lower Upper
49 100
129 2.3 0.0 6.0
130 89.2 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: 229.727 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

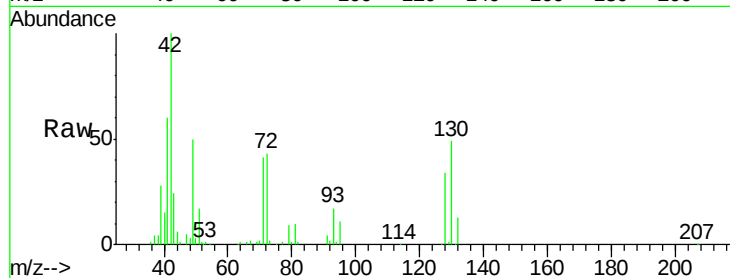
Tot Ion: 42 Resp: 114043

Ion Ratio Lower Upper

42 100

72 43.8 34.8 52.2

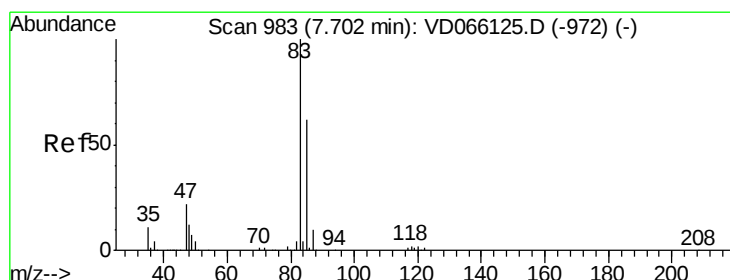
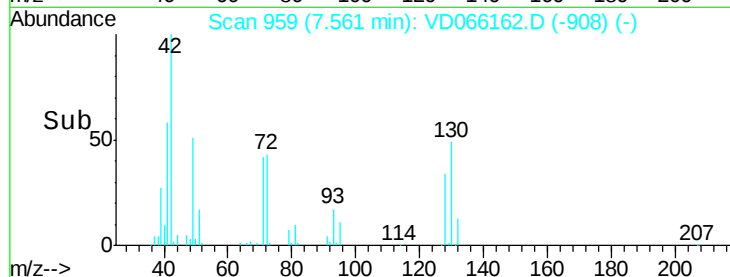
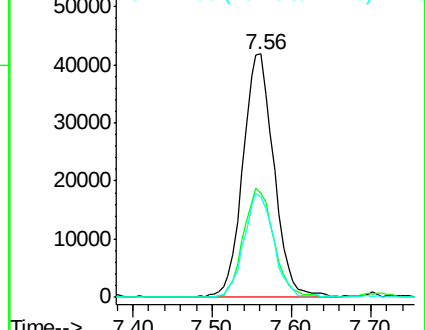
71 40.8 33.5 50.3



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: 46.143 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066162.D

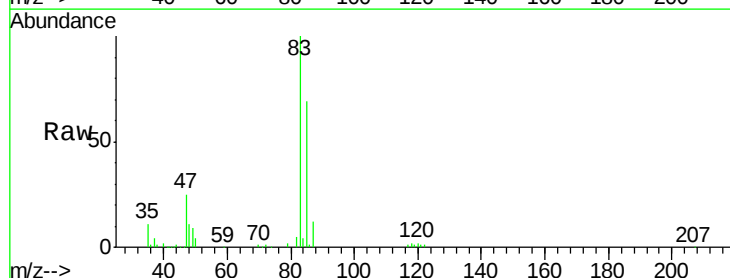
Acq: 10 Aug 2020 14:04

Tgt Ion: 83 Resp: 256026

Ion Ratio Lower Upper

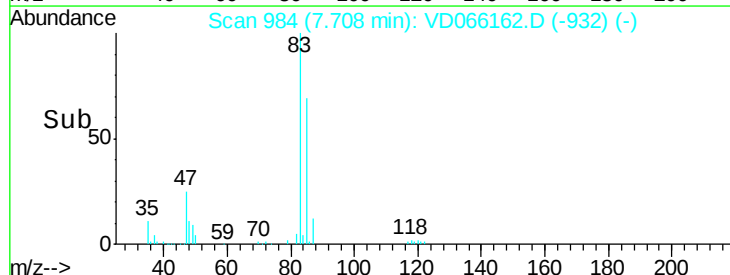
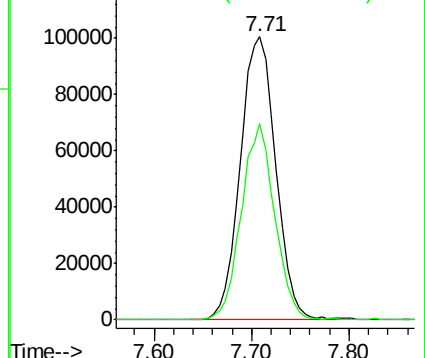
83 100

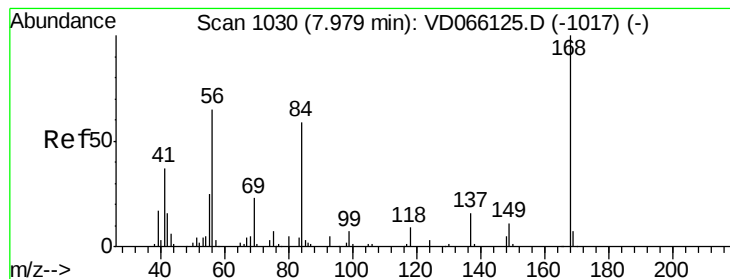
85 69.3 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 44.988 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

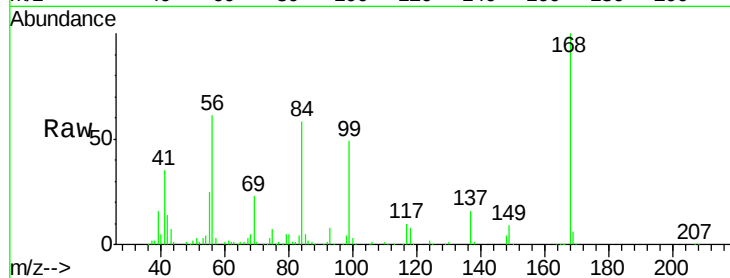
Tot Ion: 56 Resp: 226290

Ion Ratio Lower Upper

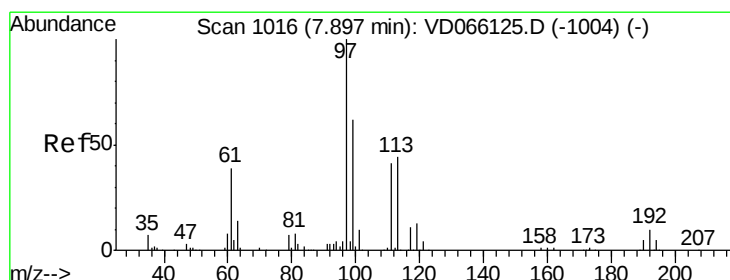
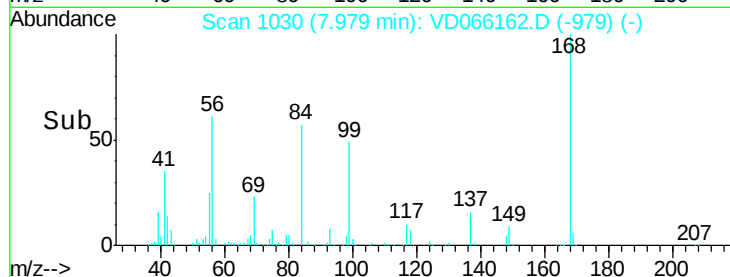
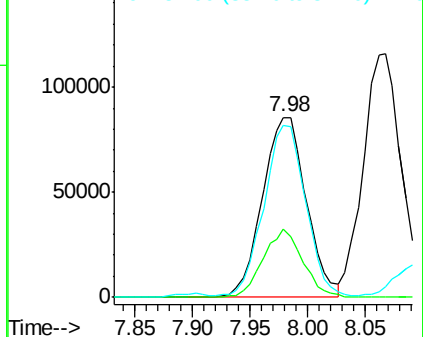
56 100

69 37.6 28.8 43.2

84 93.6 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: 45.866 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

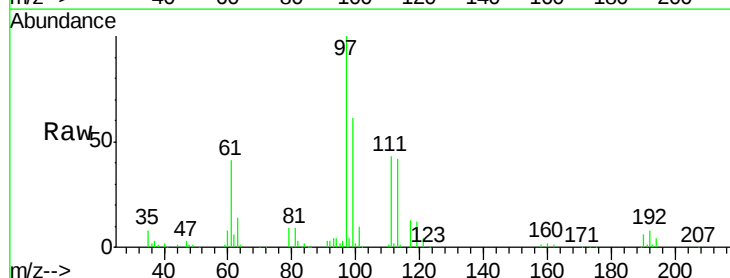
Tgt Ion: 97 Resp: 238611

Ion Ratio Lower Upper

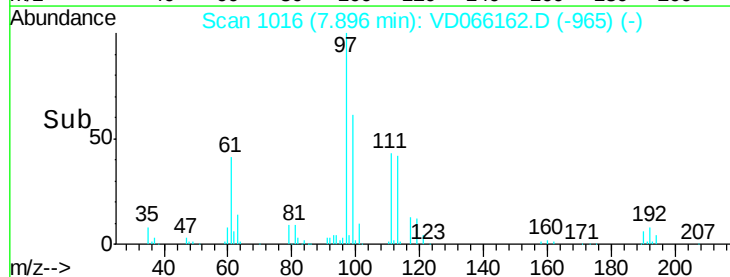
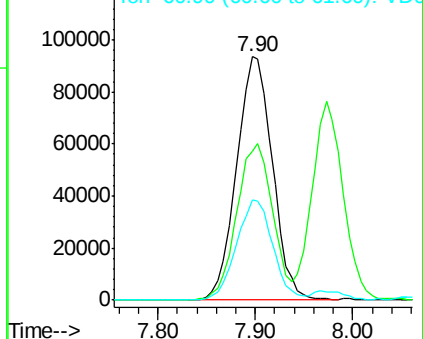
97 100

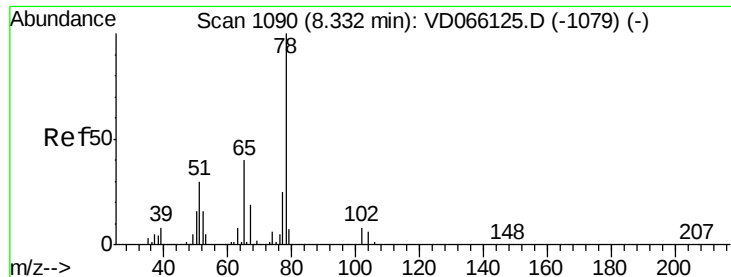
99 64.8 51.1 76.7

61 41.6 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

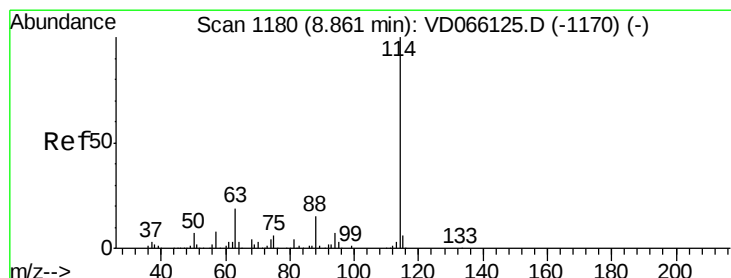
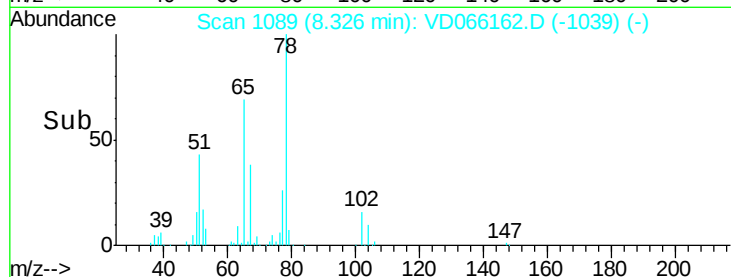
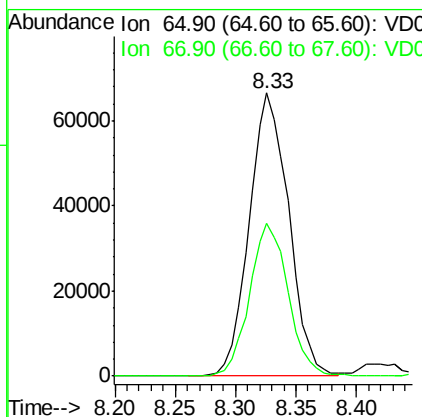
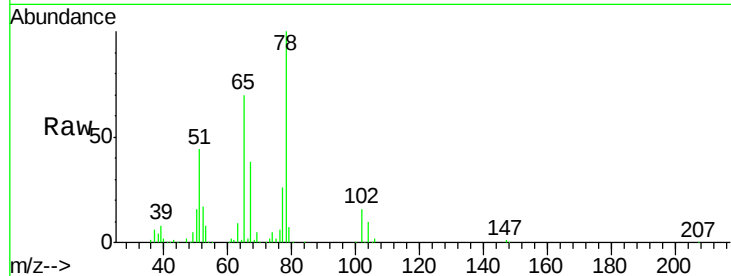




#33
 1,2-Dichloroethane-d4
 Concen: 52.464 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

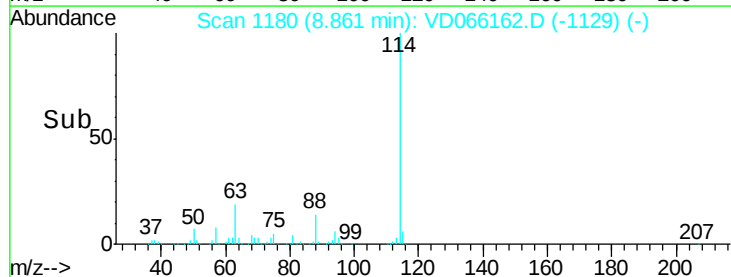
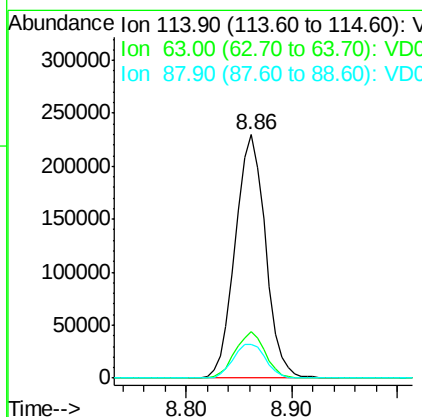
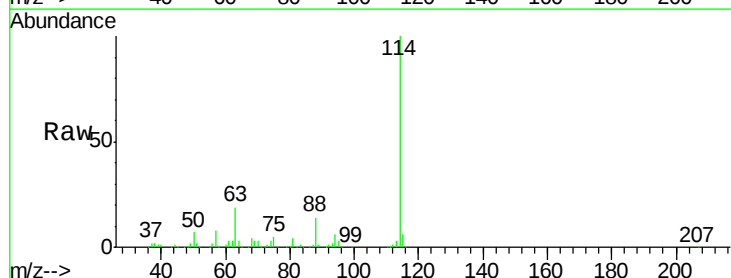
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

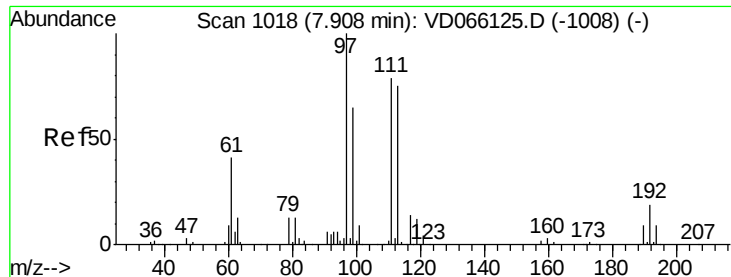
Tot Ion: 65 Resp: 150629
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 114 Resp: 455795
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 13.7 0.0 30.0

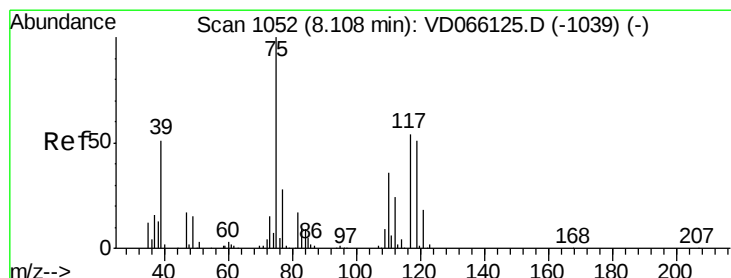
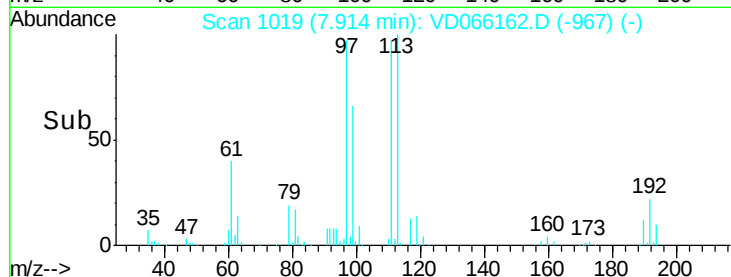
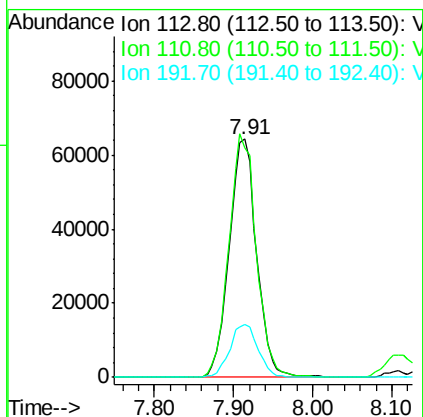
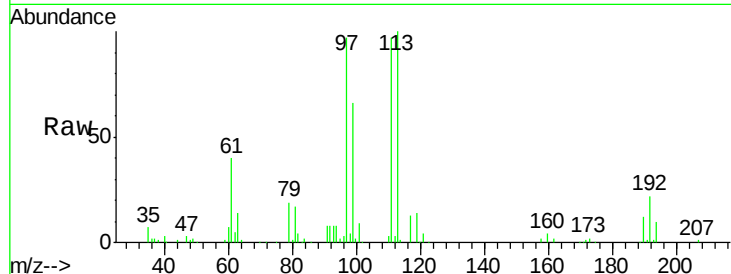




#35
 Dibromofluoromethane
 Concen: 53.250 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

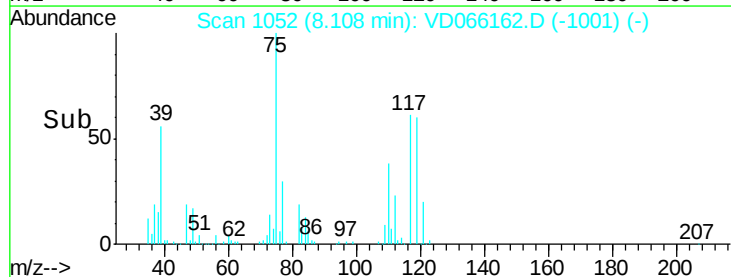
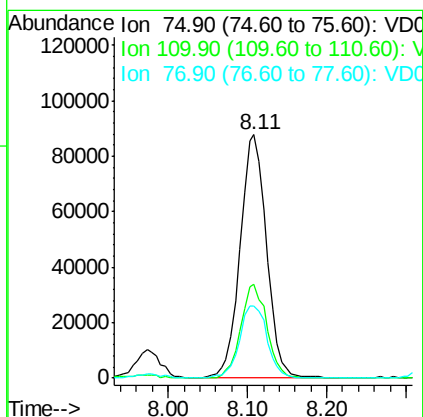
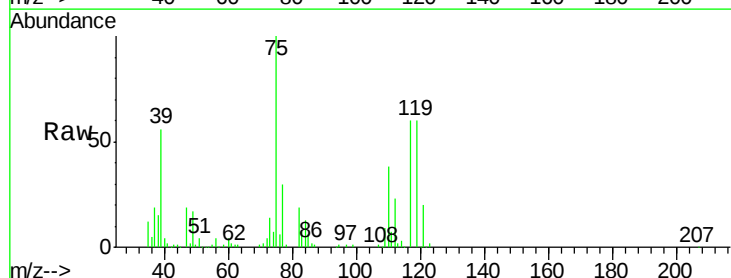
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 153755
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.9 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 47.581 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 75 Resp: 203794
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.8 56.3
 77 30.9 24.2 36.2

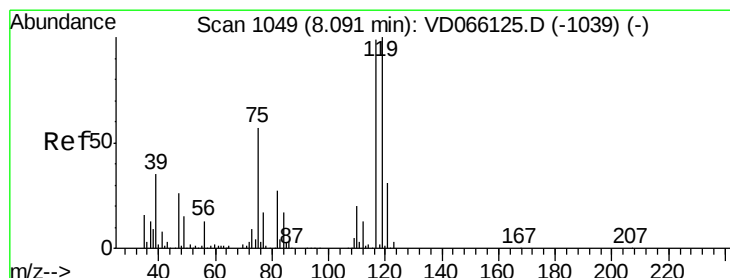
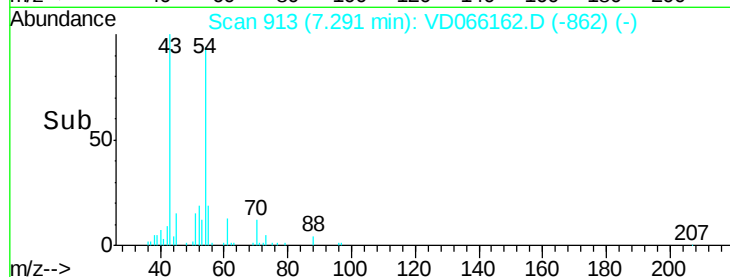
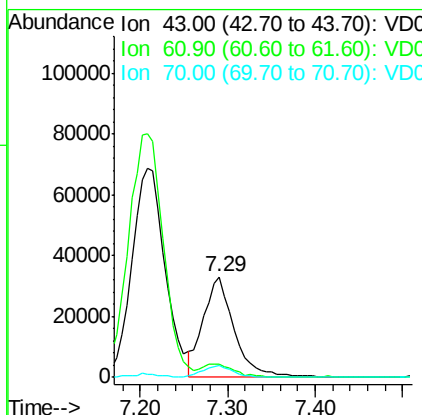
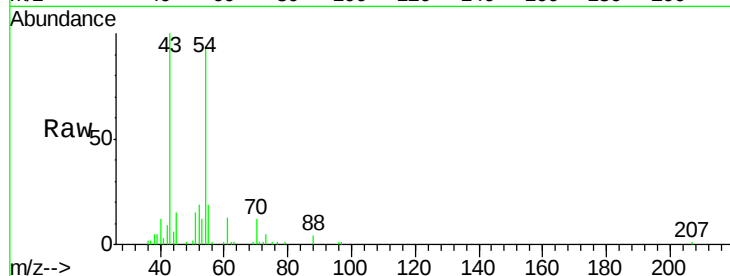




#37
Ethyl Acetate
Concen: 47.545 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

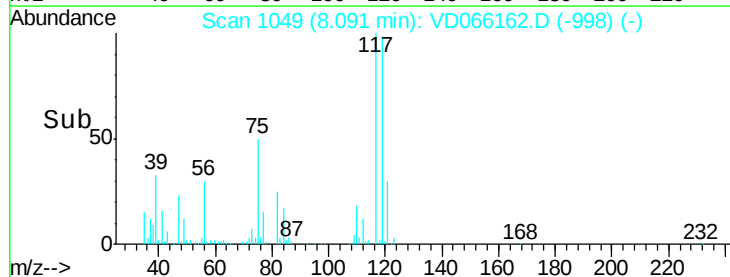
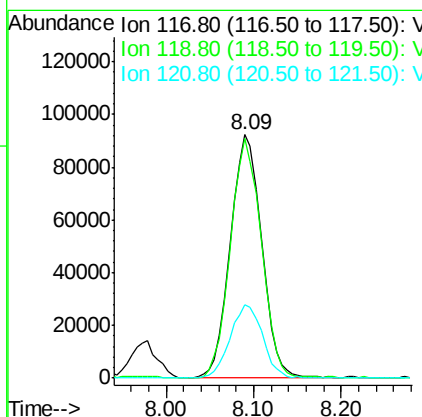
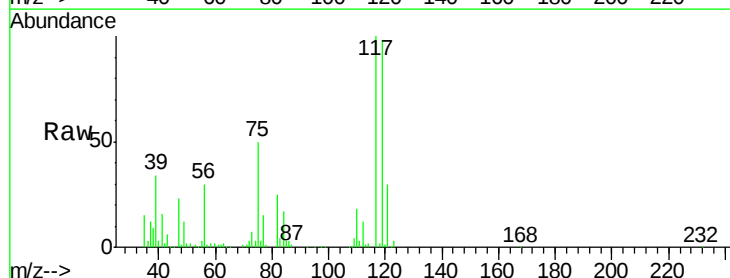
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

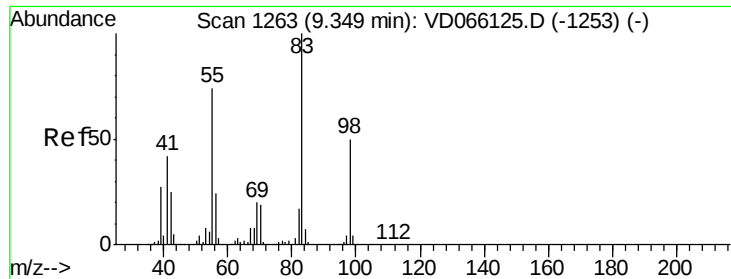
Tot Ion: 43 Resp: 80685
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 11.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 46.841 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 117 Resp: 223727
Ion Ratio Lower Upper
117 100
119 98.5 81.0 121.4
121 30.2 24.8 37.2

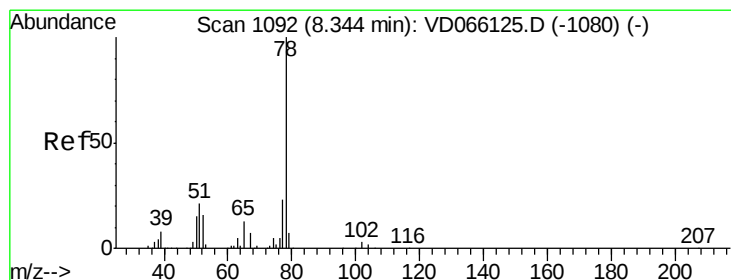
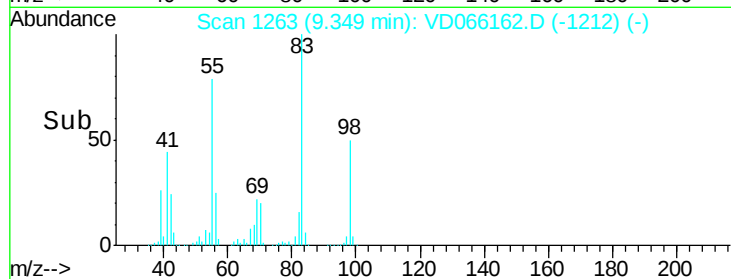
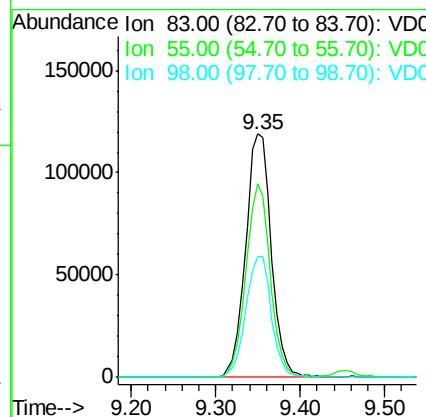
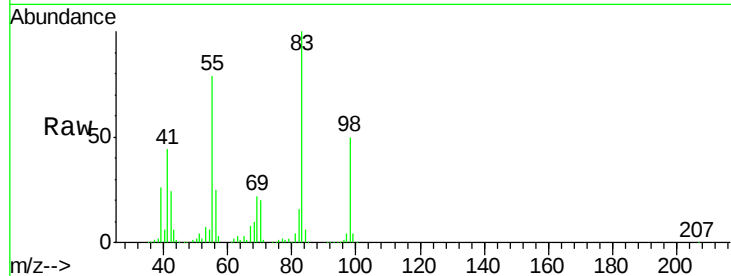




#39
Methvlcvclohexane
Concen: 48.361 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

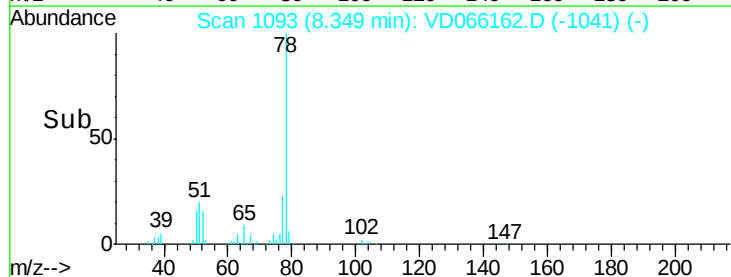
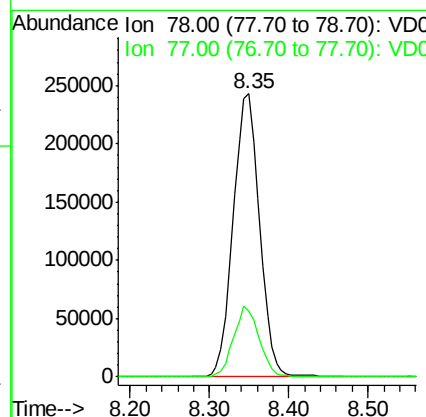
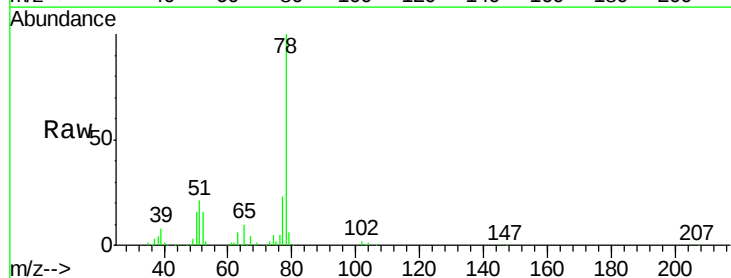
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

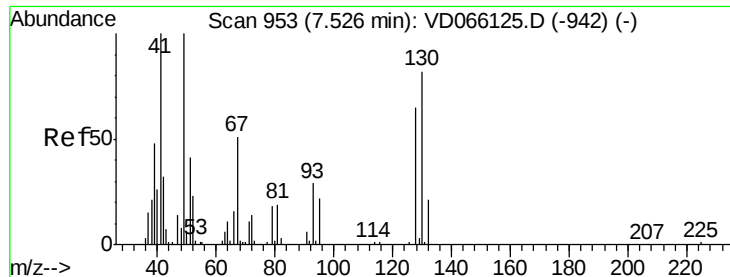
Tot Ion	83	Resp	250395
Ion	Ratio	Lower	Upper
83	100		
55	79.4	59.2	88.8
98	49.8	39.8	59.6



#40
Benzene
Concen: 46.997 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion	78	Resp	558401
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8

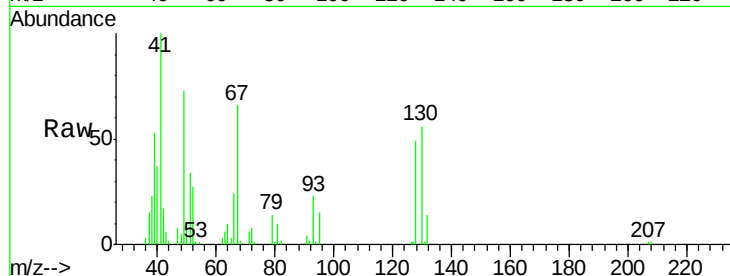




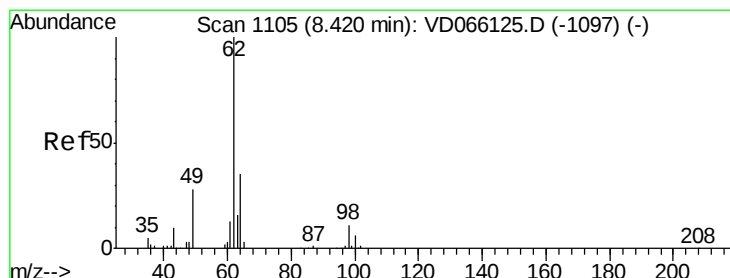
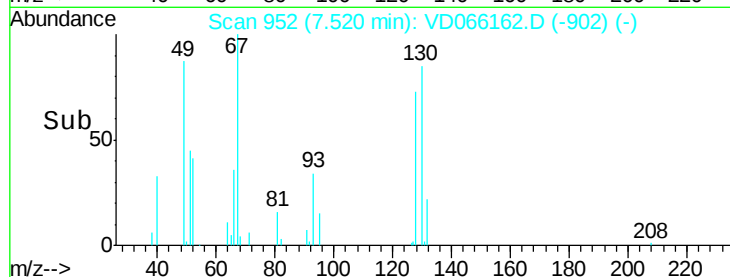
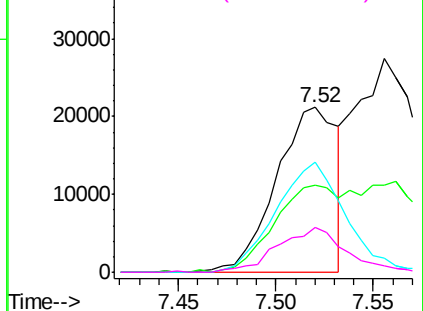
#41
Methacrylonitrile
Concen: 46.066 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	45964
Ion	Ratio	Lower	Upper
41	100		
39	54.9	47.5	71.3
67	75.9	59.1	88.7
52	30.5	25.4	38.0

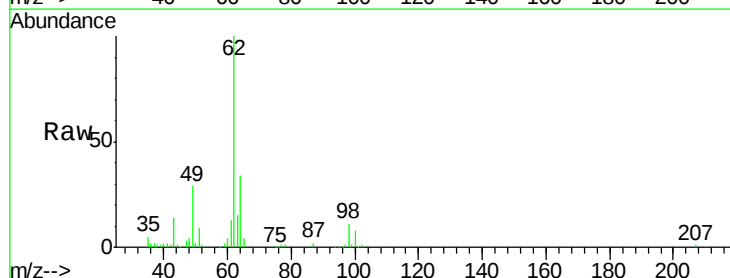


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

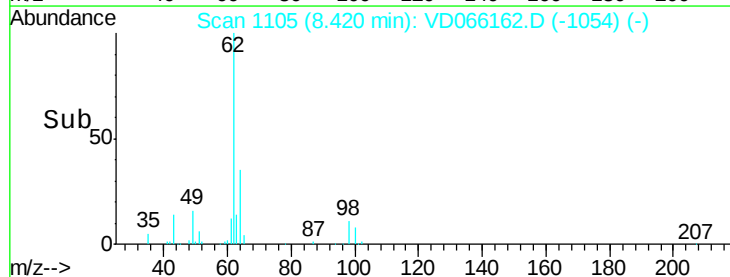
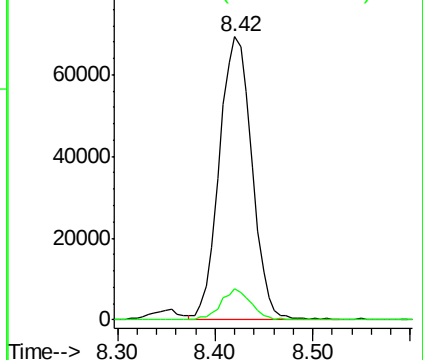


#42
1,2-Dichloroethane
Concen: 46.162 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion:	62	Resp:	161128
Ion	Ratio	Lower	Upper
62	100		
98	10.0	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: 48.868 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

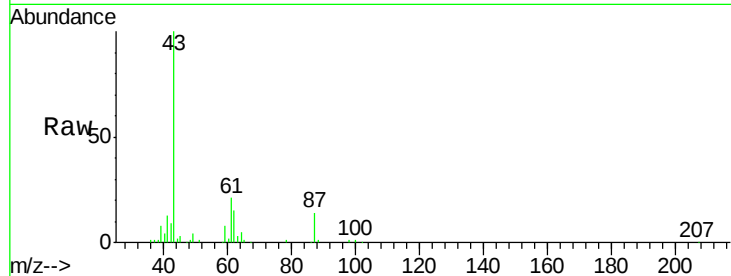
Tot Ion: 43 Resp: 163397

Ion Ratio Lower Upper

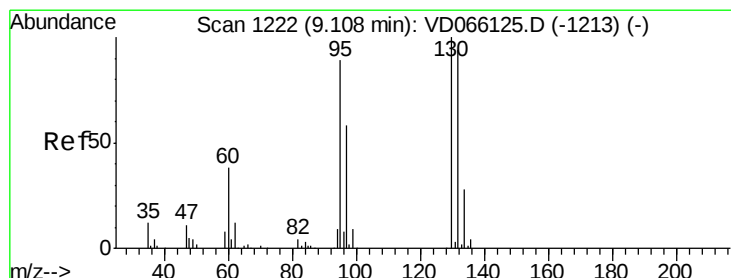
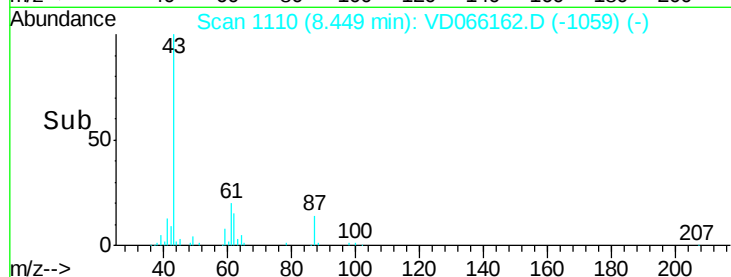
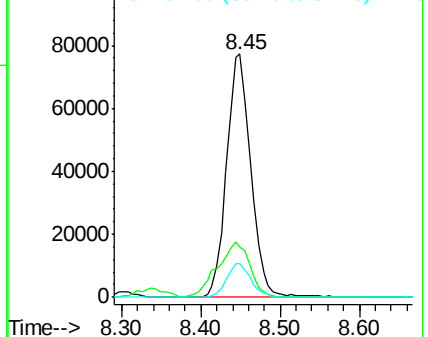
43 100

61 30.4 25.5 38.3

87 13.6 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: 47.102 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066162.D

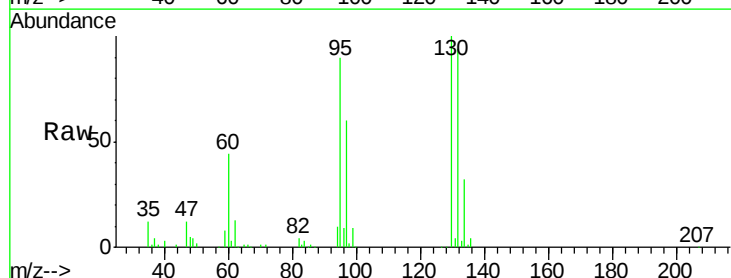
Acq: 10 Aug 2020 14:04

Tgt Ion: 130 Resp: 168642

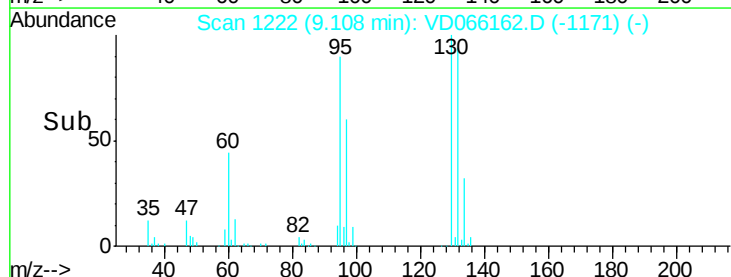
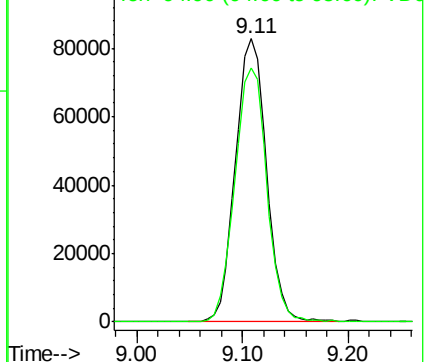
Ion Ratio Lower Upper

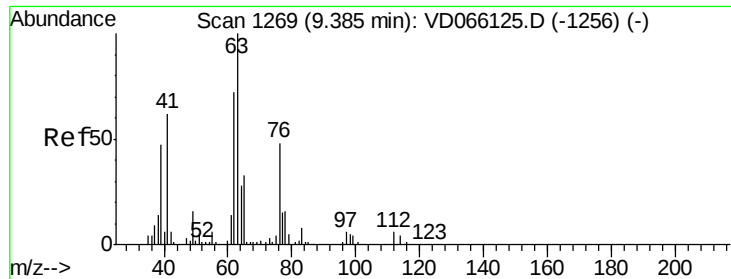
130 100

95 89.5 0.0 178.4



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

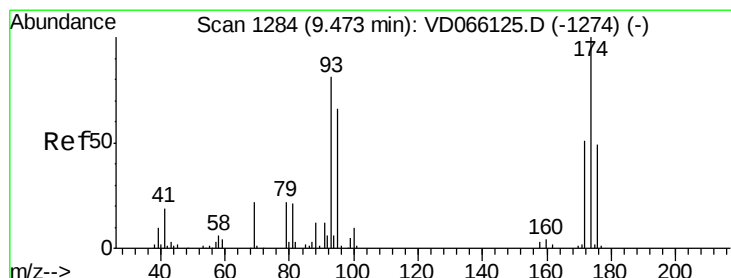
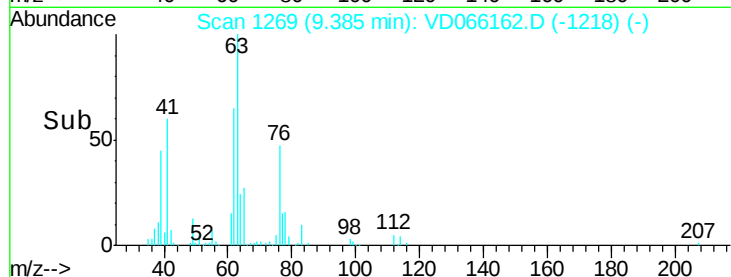
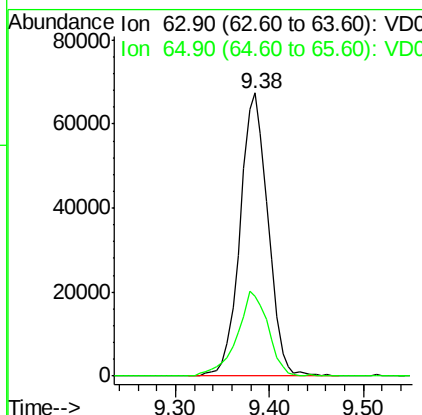
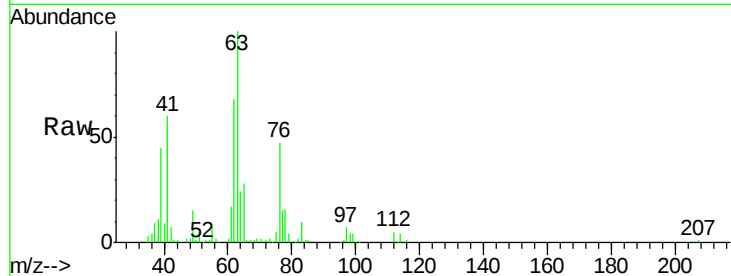




#45
 1,2-Dichloropropane
 Concen: 47.619 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

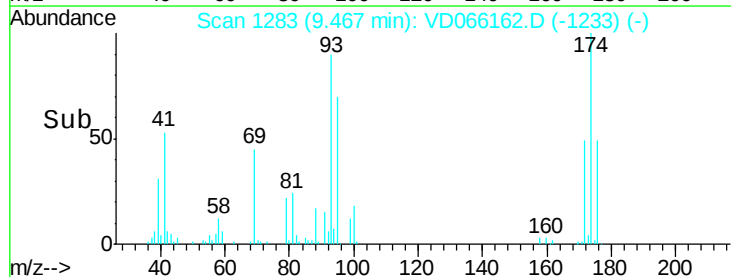
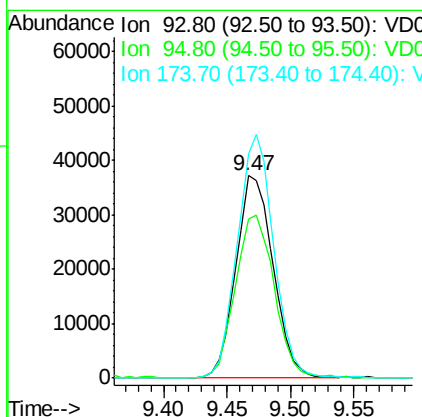
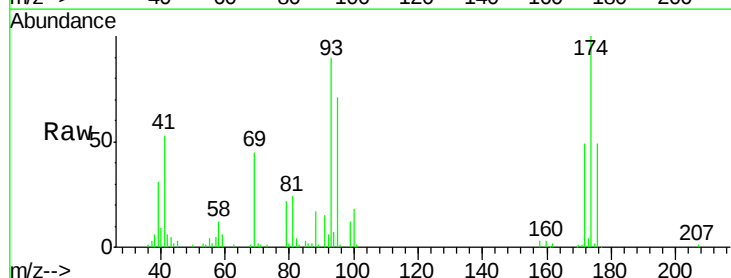
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

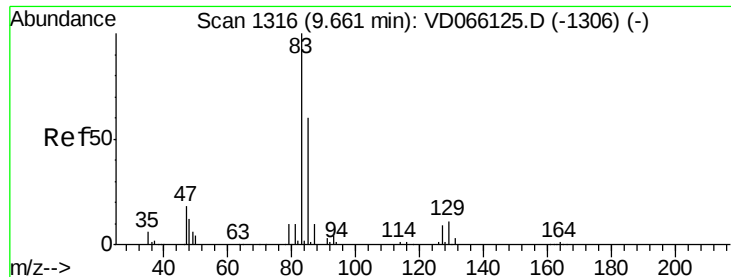
Tot Ion: 63 Resp: 138378
 Ion Ratio Lower Upper
 63 100
 65 28.1 26.5 39.7



#46
 Dibromomethane
 Concen: 47.510 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 93 Resp: 76047
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.8 98.6
 174 117.2 92.8 139.2

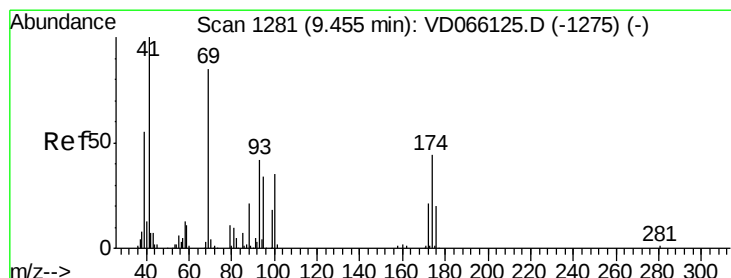
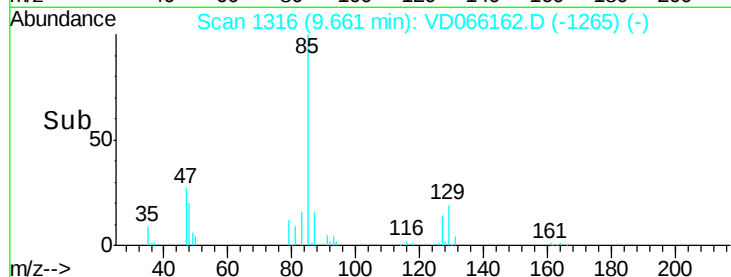
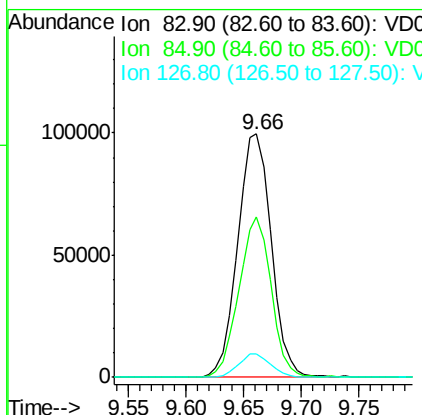
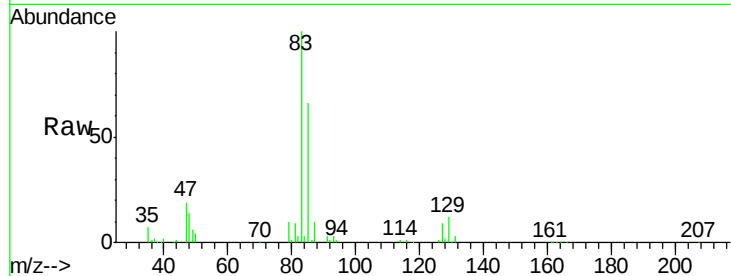




#47
 Bromodichloromethane
 Concen: 47.684 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

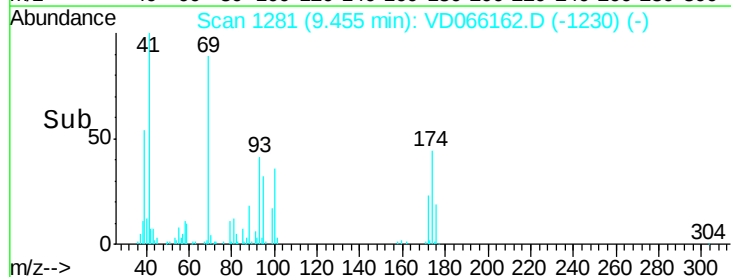
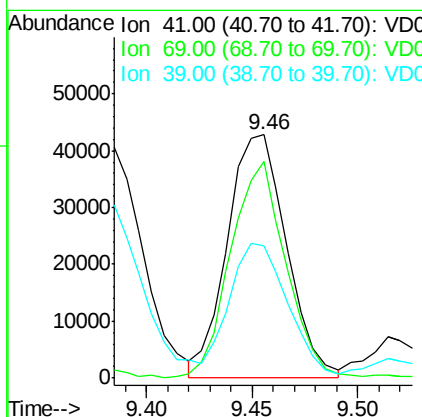
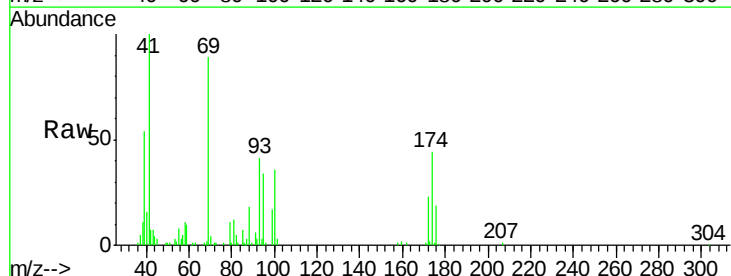
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

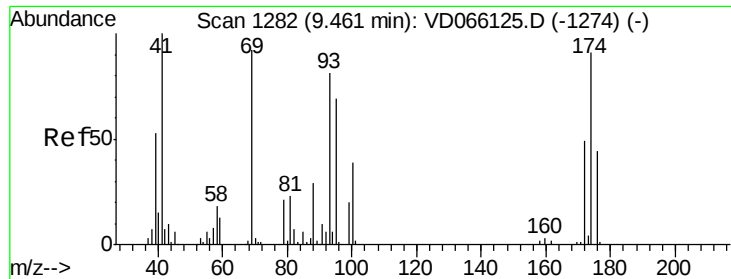
Tot Ion: 83 Resp: 201730
 Ion Ratio Lower Upper
 83 100
 85 65.9 48.2 72.4
 127 9.4 7.3 10.9



#48
 Methyl methacrylate
 Concen: 48.789 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 41 Resp: 83298
 Ion Ratio Lower Upper
 41 100
 69 83.0 63.9 95.9
 39 51.4 42.6 64.0

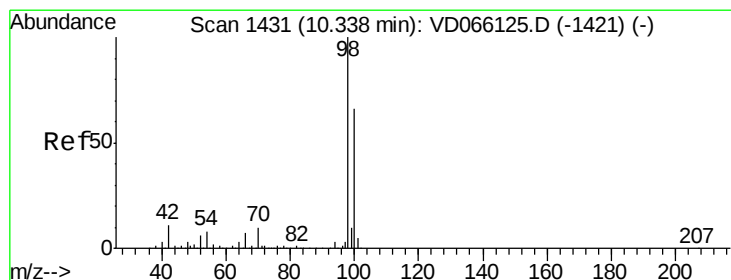
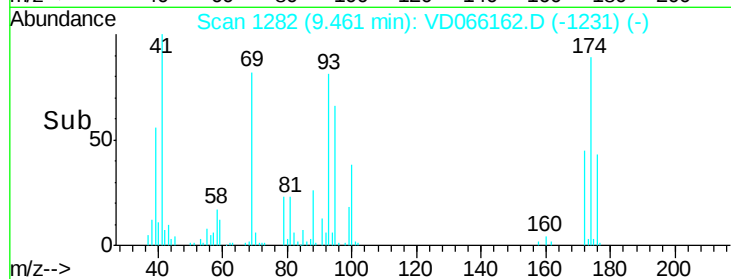
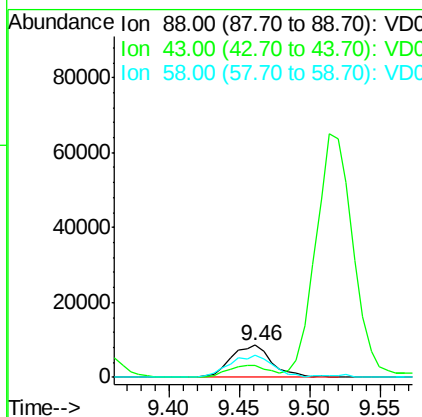
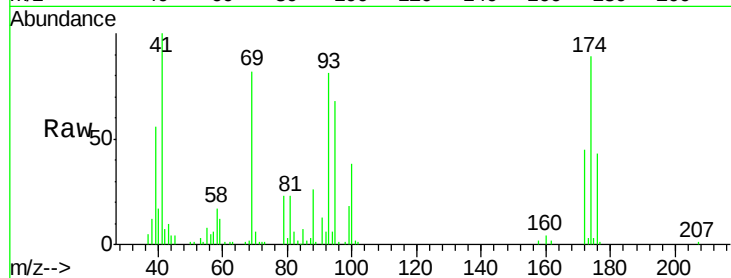




#49
 1,4-Dioxane
 Concen: 849.717 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

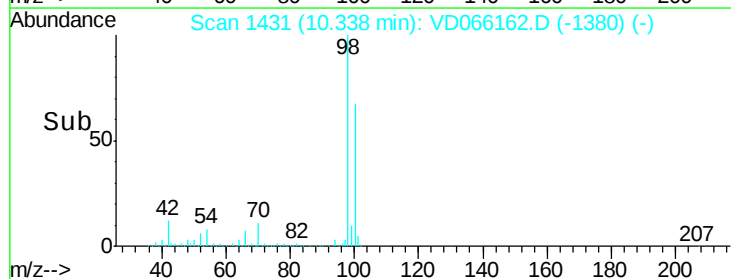
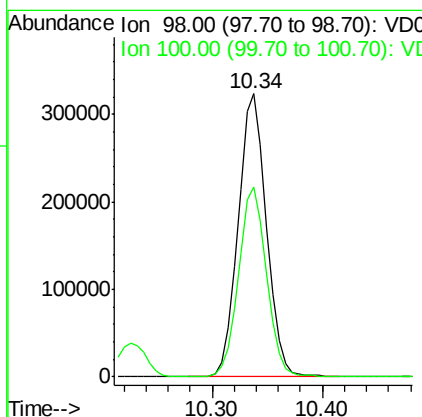
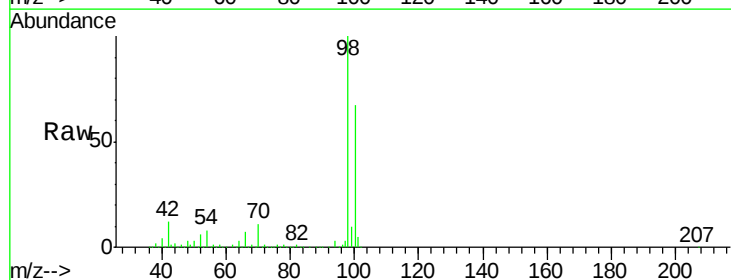
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

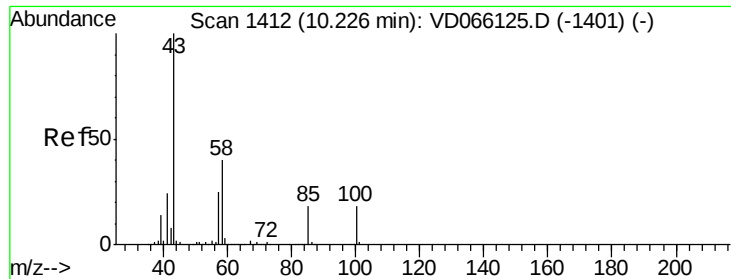
Tot Ion: 88 Resp: 17474
 Ion Ratio Lower Upper
 88 100
 43 37.6 27.5 41.3
 58 73.0 50.2 75.4



#50
 Toluene-d8
 Concen: 54.686 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 98 Resp: 582692
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.6 78.8

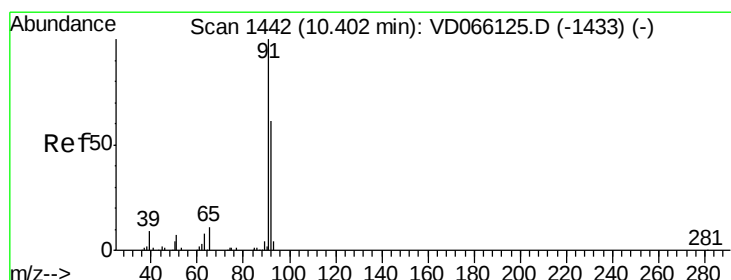
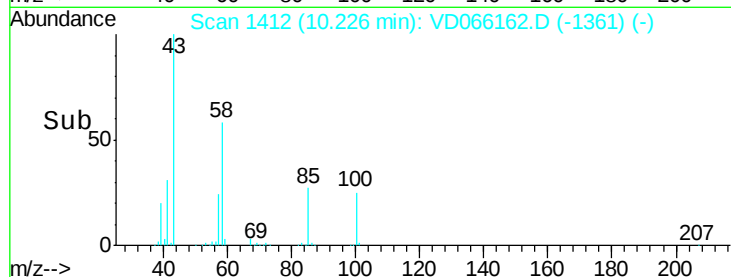
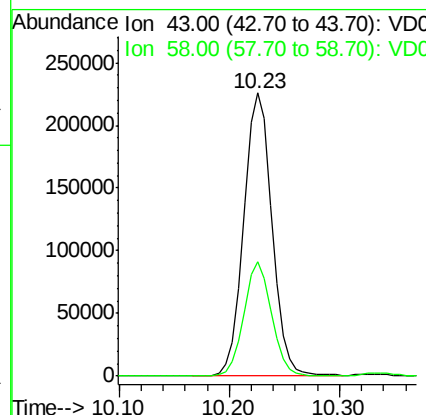
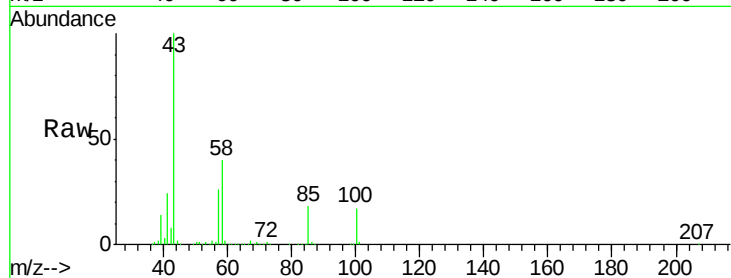




#51
4-Methyl-2-Pentanone
Concen: 237.659 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

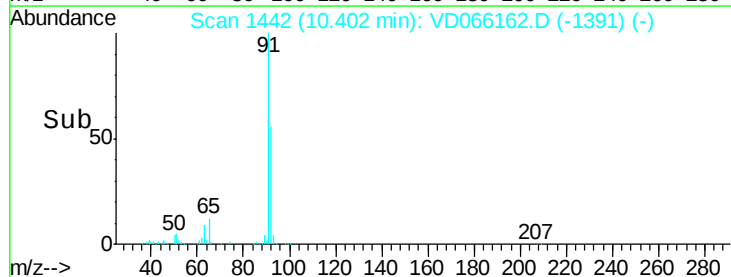
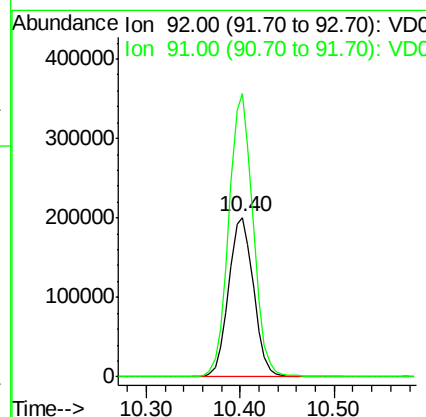
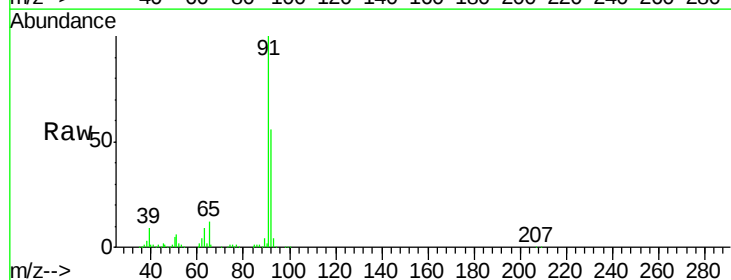
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

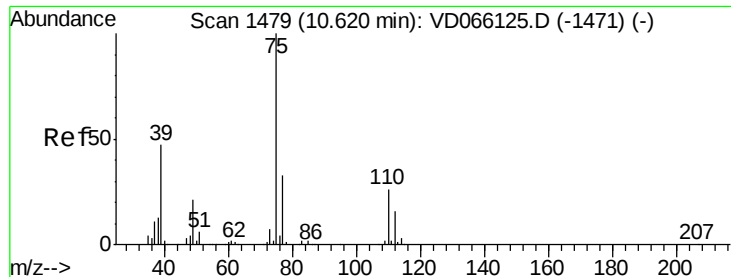
Tot Ion: 43 Resp: 408176
Ion Ratio Lower Upper
43 100
58 39.4 31.1 46.7



#52
Toluene
Concen: 47.317 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 92 Resp: 369941
Ion Ratio Lower Upper
92 100
91 172.7 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 48.312 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

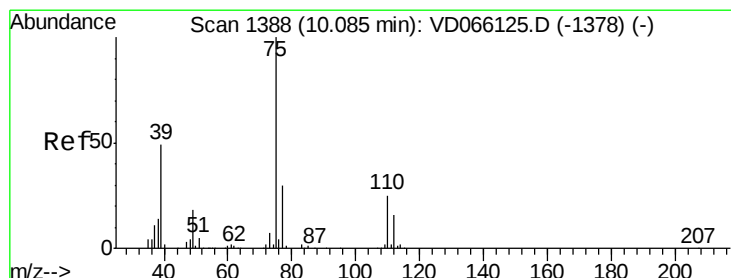
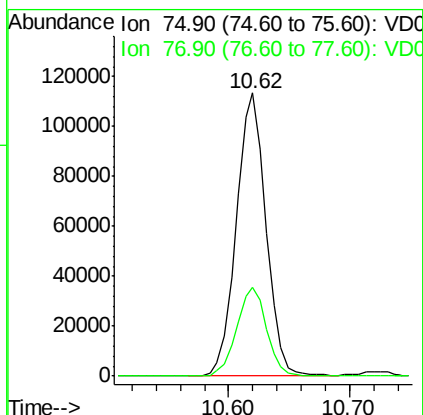
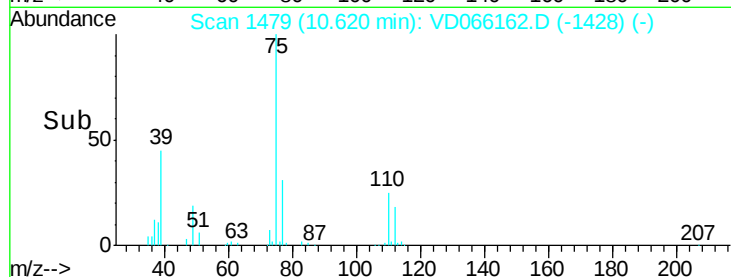
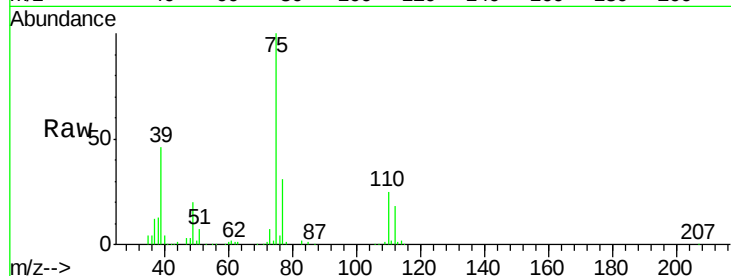
VSTDCCC050

Tot Ion: 75 Resp: 193962

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 47.966 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

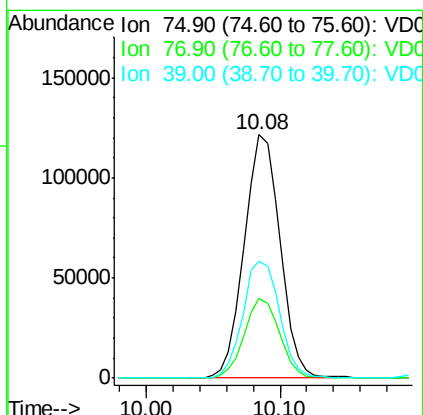
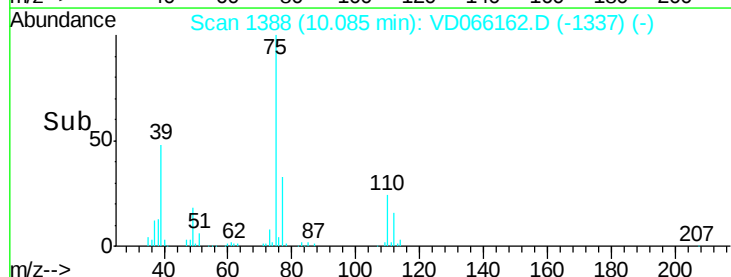
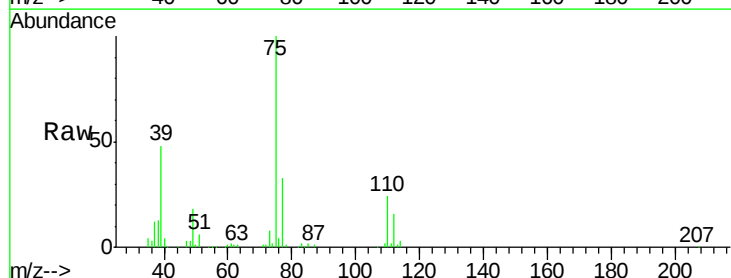
Tgt Ion: 75 Resp: 225628

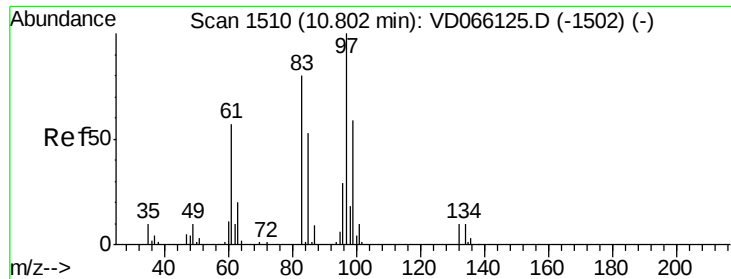
Ion Ratio Lower Upper

75 100

77 32.6 24.3 36.5

39 48.3 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 46.151 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 106373

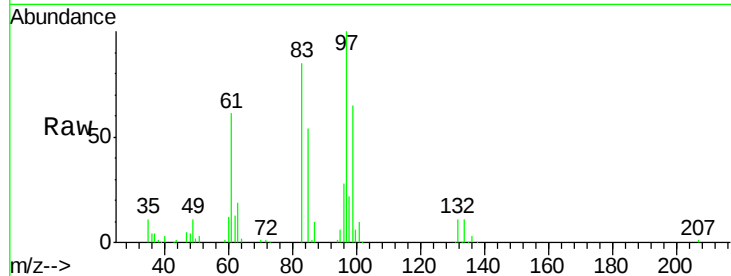
Ion Ratio Lower Upper

97 100

83 85.2 63.9 95.9

85 54.3 42.5 63.7

99 64.8 47.4 71.0

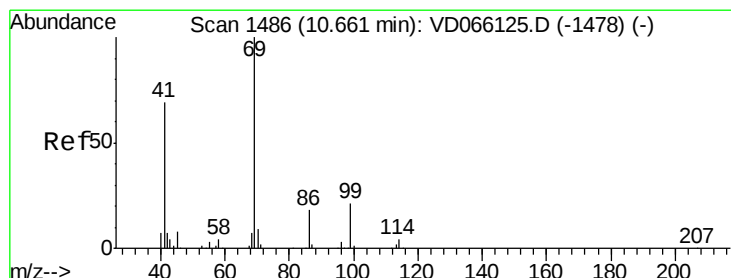
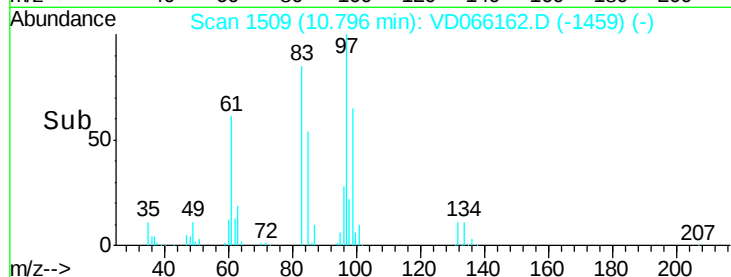
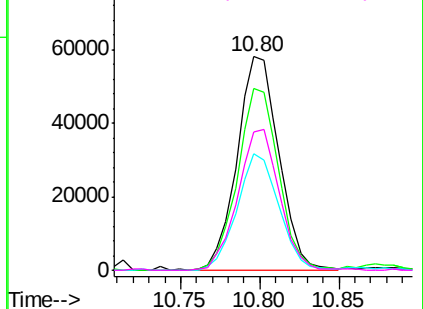


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 48.382 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

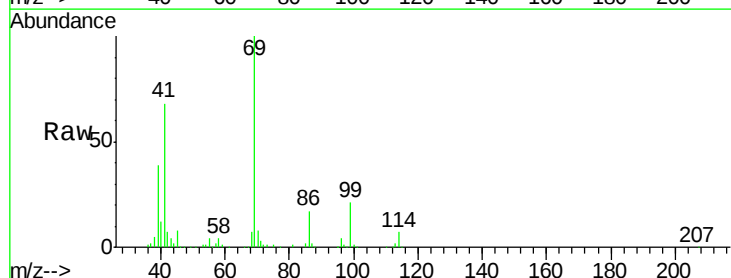
Tgt Ion: 69 Resp: 133961

Ion Ratio Lower Upper

69 100

41 69.8 54.1 81.1

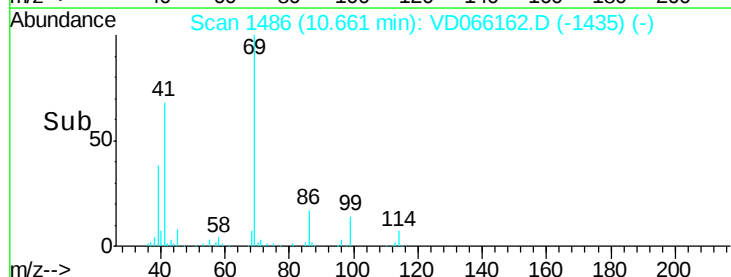
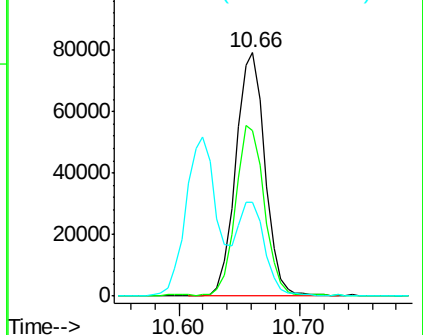
39 34.5 28.6 43.0

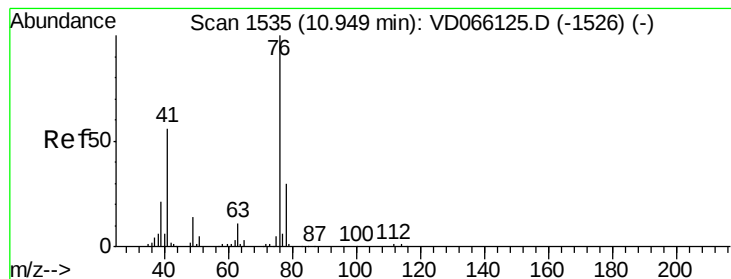


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 46.948 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

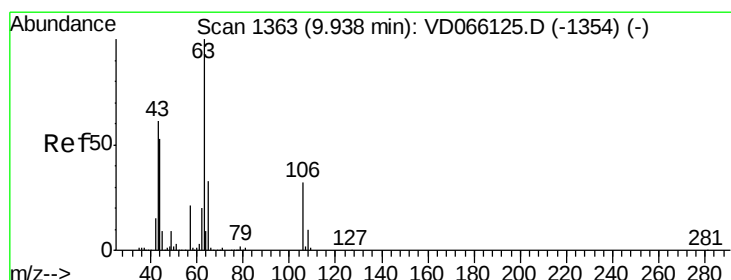
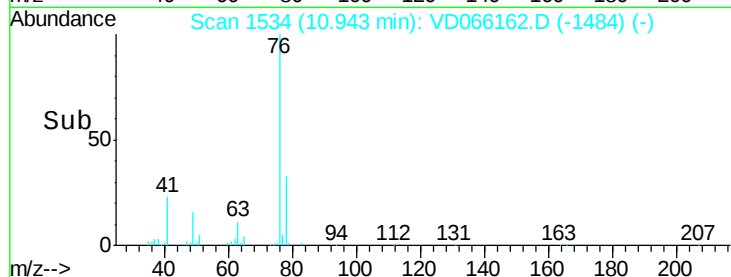
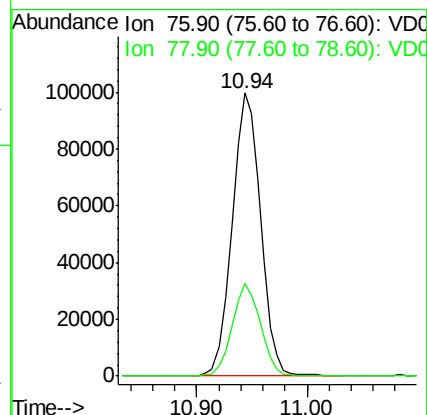
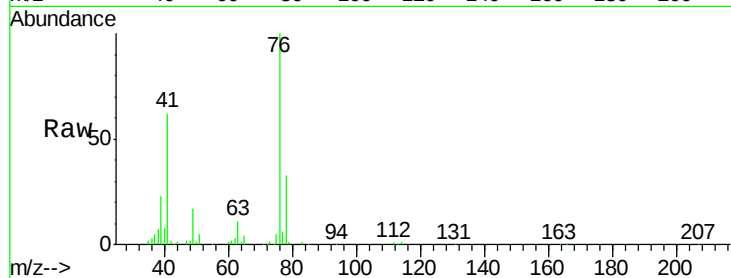
VSTDCCC050

Tot Ion: 76 Resp: 179642

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 290.147 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066162.D

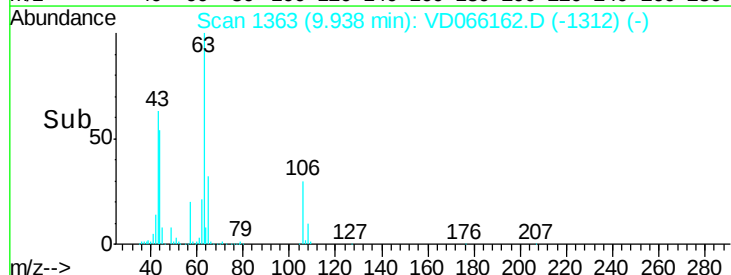
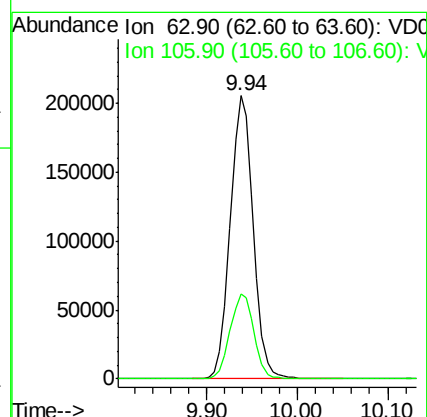
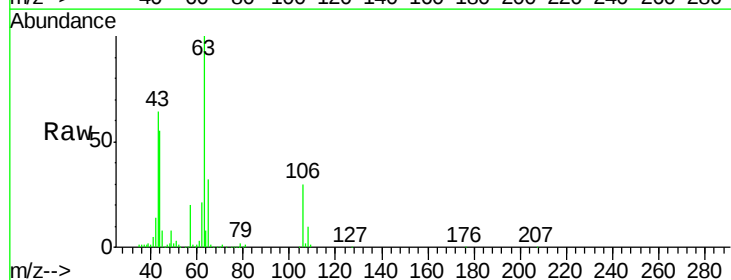
Acq: 10 Aug 2020 14:04

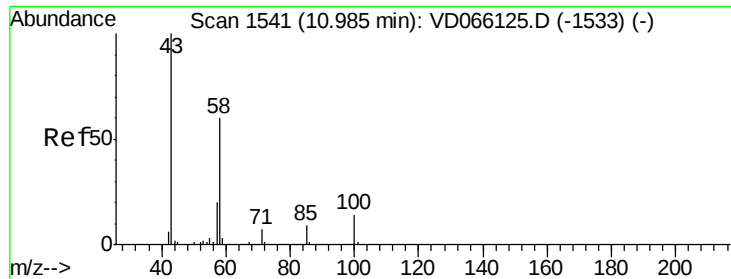
Tgt Ion: 63 Resp: 361365

Ion Ratio Lower Upper

63 100

106 31.3 25.3 37.9

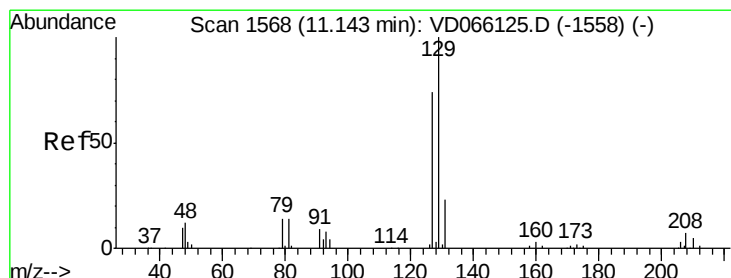
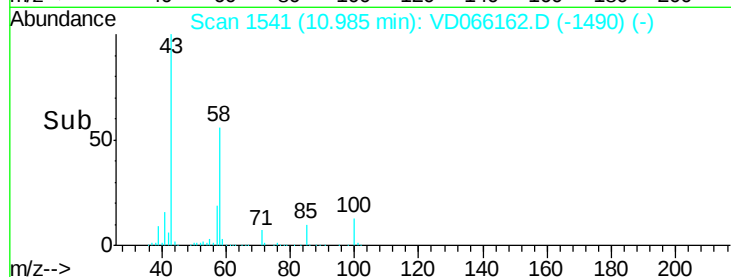
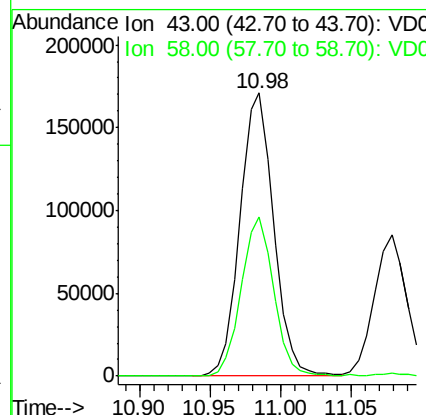
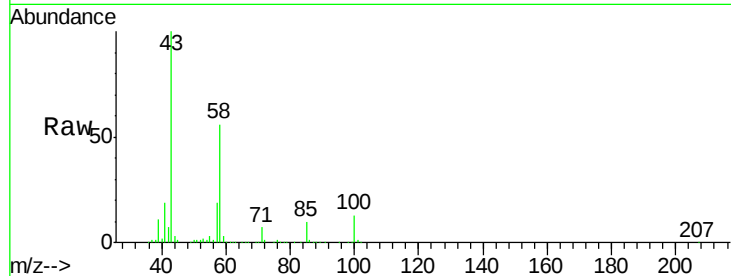




#59
2-Hexanone
Concen: 236.637 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

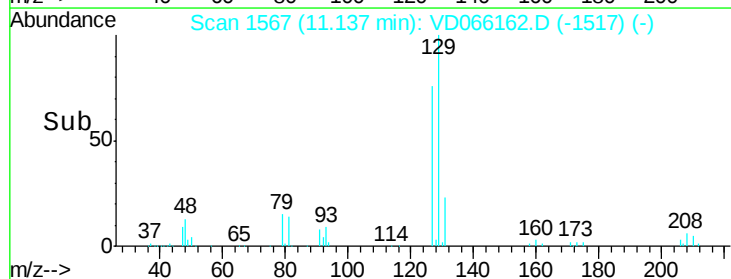
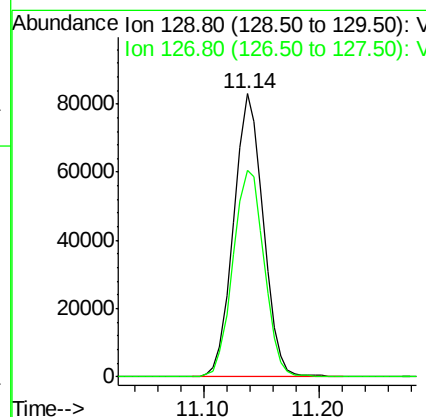
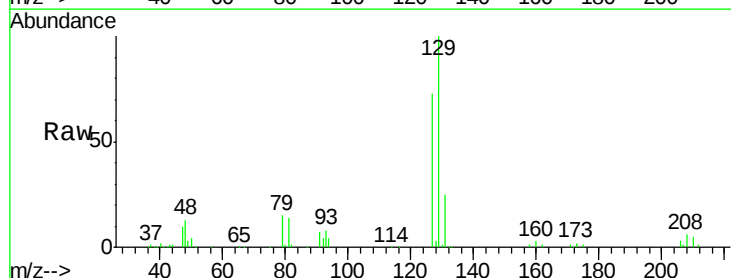
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

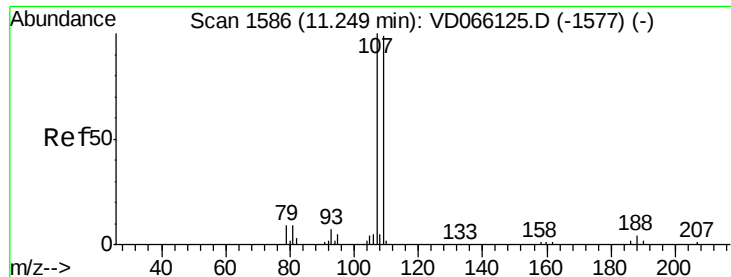
Tot Ion: 43 Resp: 285233
Ion Ratio Lower Upper
43 100
58 54.5 27.8 83.4



#60
Dibromochloromethane
Concen: 46.405 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 129 Resp: 147664
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1

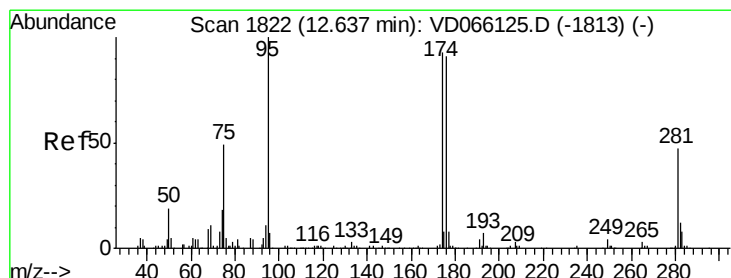
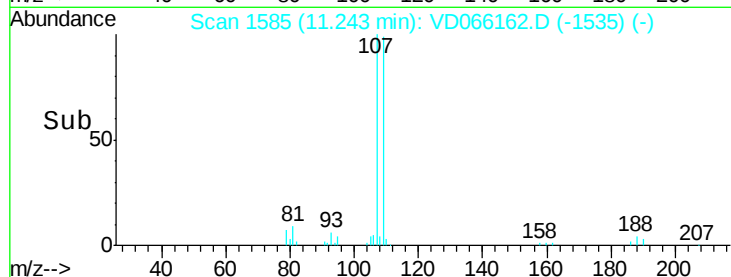
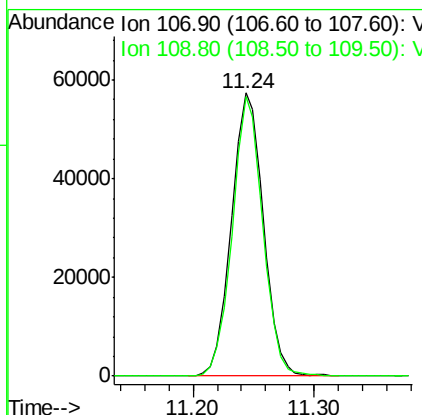
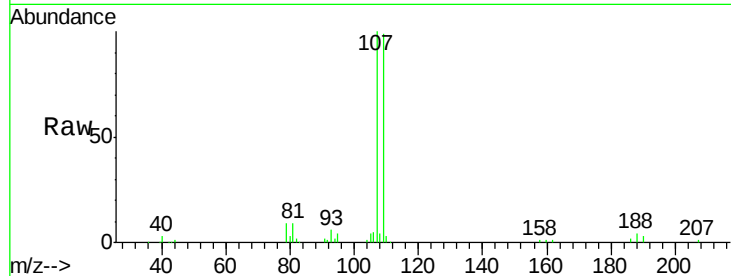




#61
 1,2-Dibromoethane
 Concen: 47.594 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

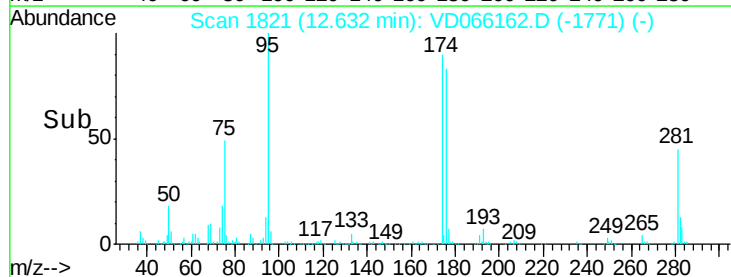
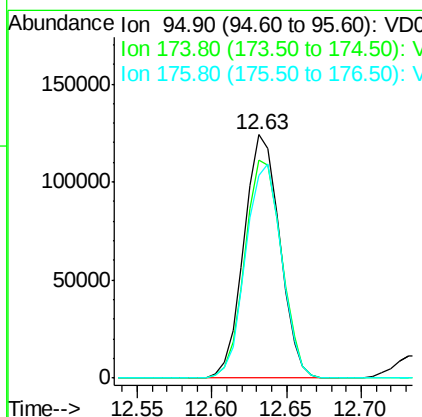
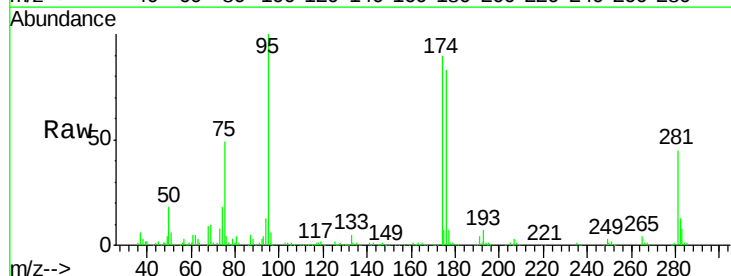
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

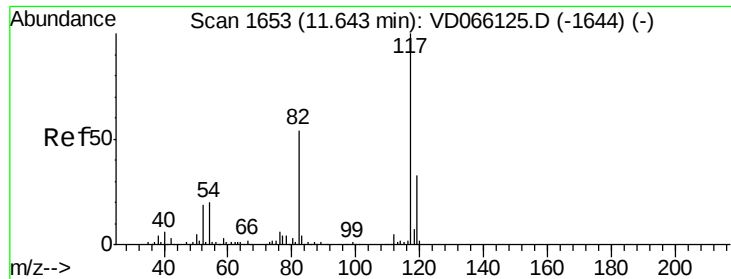
Tot Ion:107 Resp: 105498
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 53.788 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion: 95 Resp: 206591
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 180.8
 176 88.4 0.0 181.2

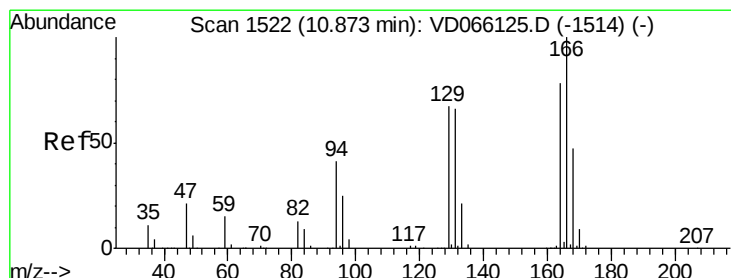
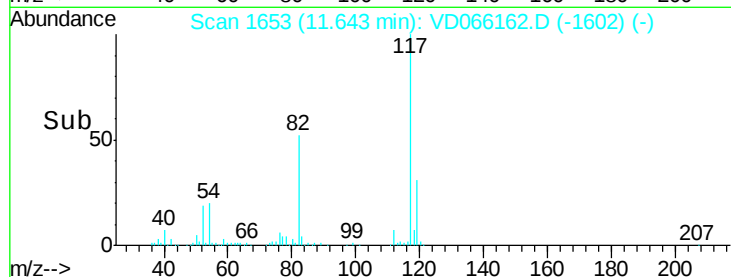
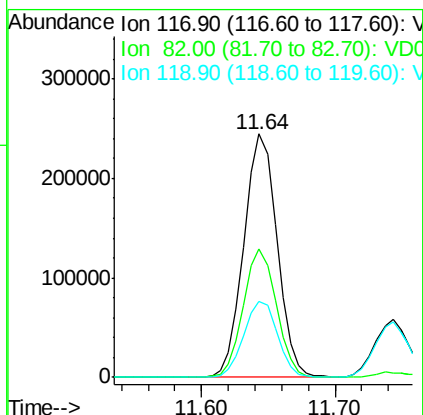
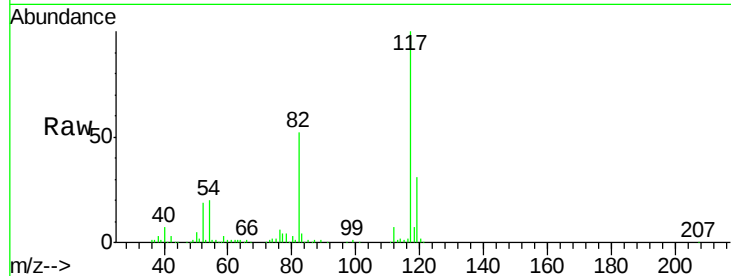




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

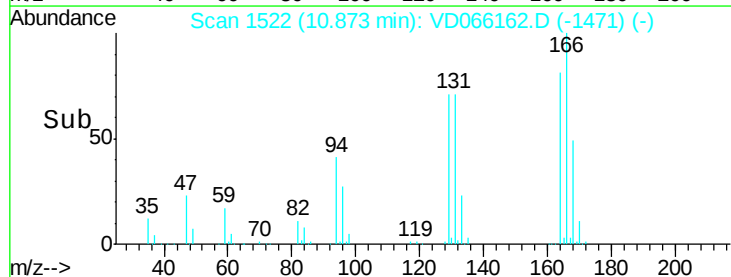
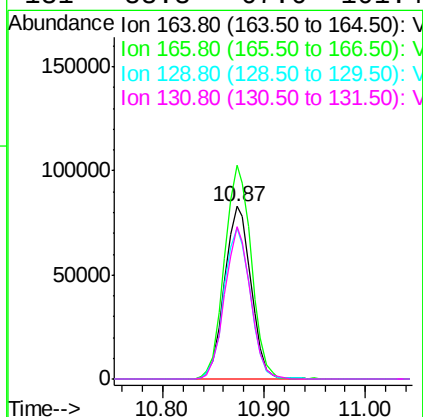
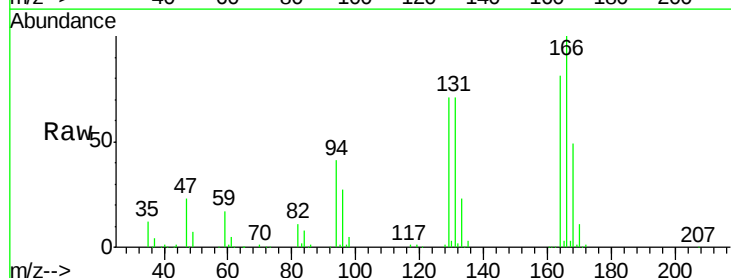
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

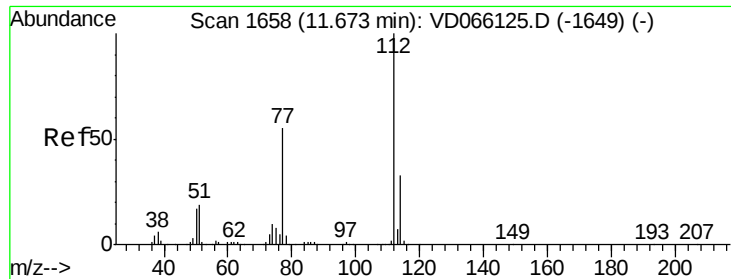
Tot Ion:117 Resp: 422231
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 31.2 26.1 39.1



#64
Tetrachloroethene
Concen: 46.135 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion:164 Resp: 149583
Ion Ratio Lower Upper
164 100
166 123.6 101.9 152.9
129 87.4 68.1 102.1
131 88.3 67.6 101.4

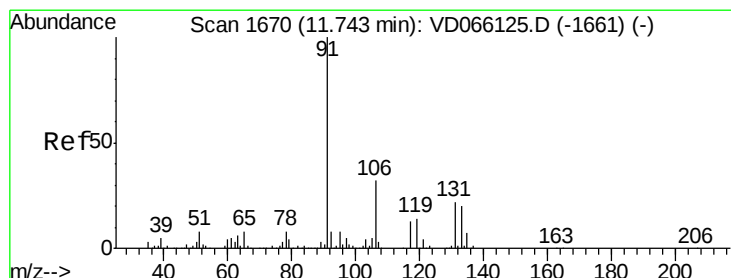
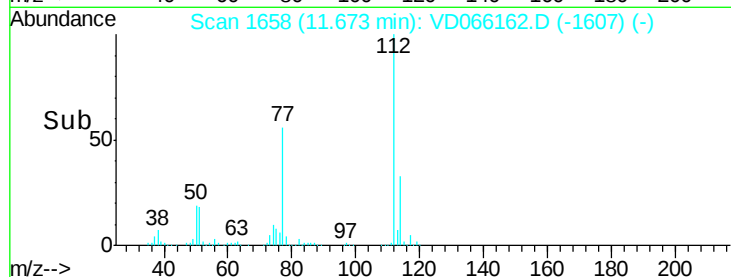
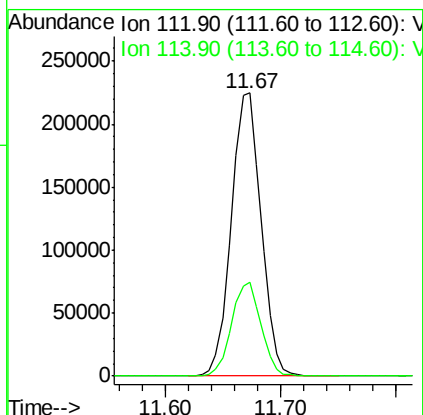
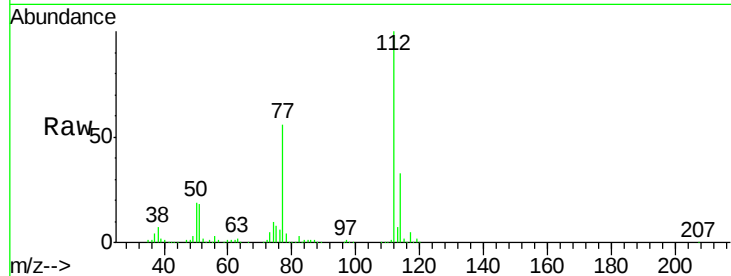




#65
Chlorobenzene
Concen: 46.888 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

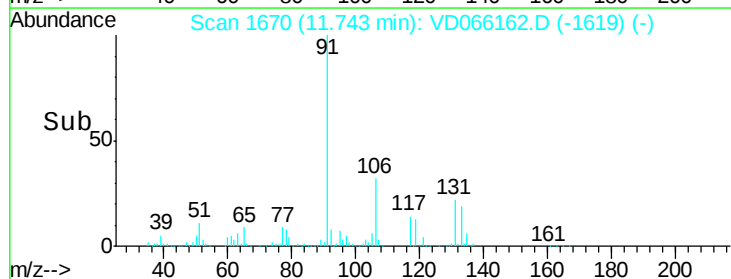
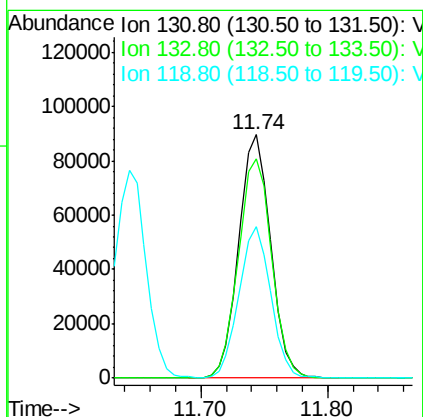
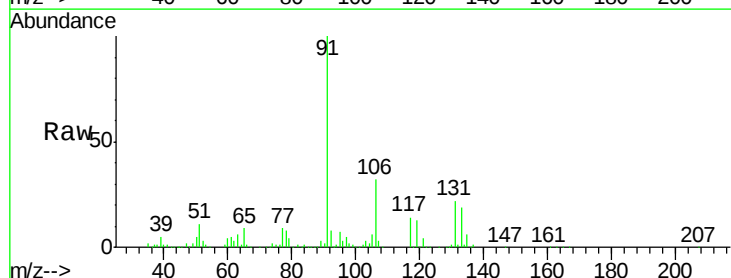
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

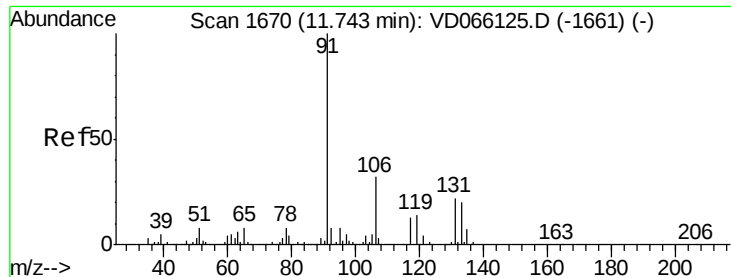
Tot Ion:112 Resp: 401897
Ion Ratio Lower Upper
112 100
114 33.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 46.737 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion:131 Resp: 156744
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.4
119 62.0 31.6 94.7





#67

Ethyl Benzene

Concen: 47.824 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

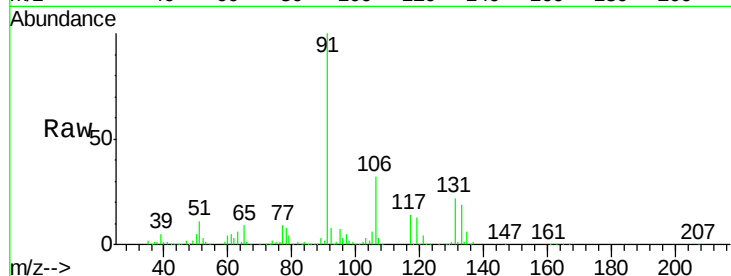
VSTDCCC050

Tot Ion: 91 Resp: 710355

Ion Ratio Lower Upper

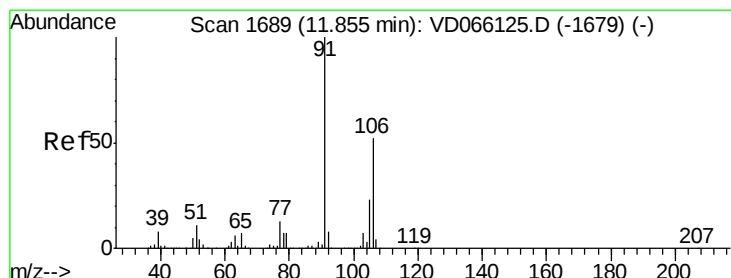
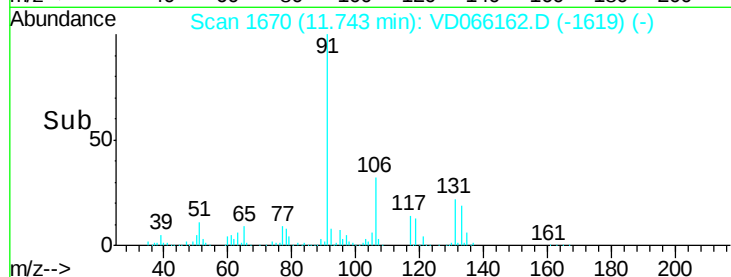
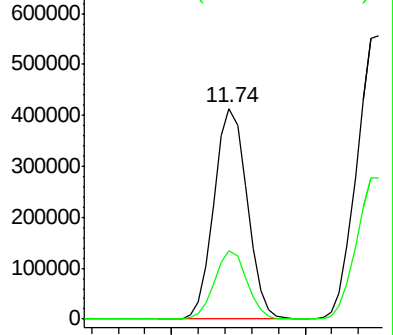
91 100

106 32.4 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: 94.737 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066162.D

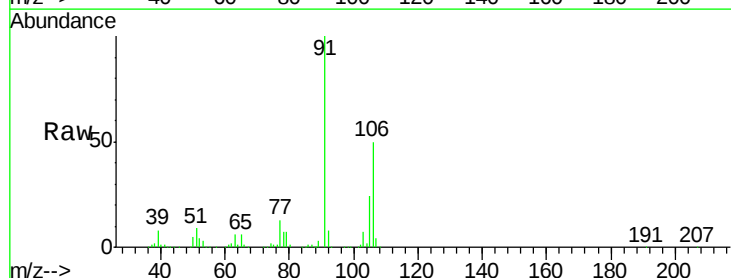
Acq: 10 Aug 2020 14:04

Tgt Ion:106 Resp: 545199

Ion Ratio Lower Upper

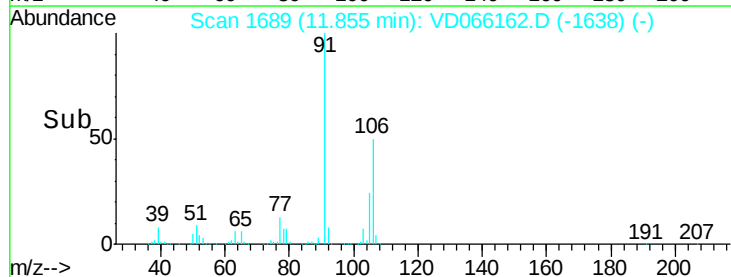
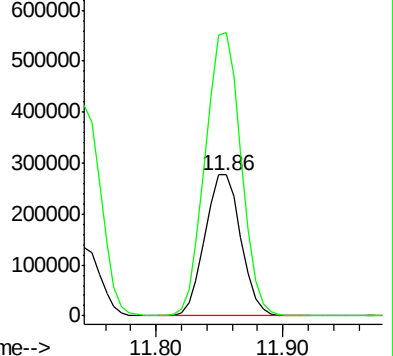
106 100

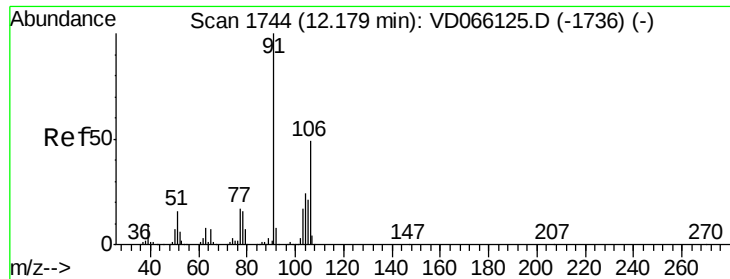
91 200.6 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

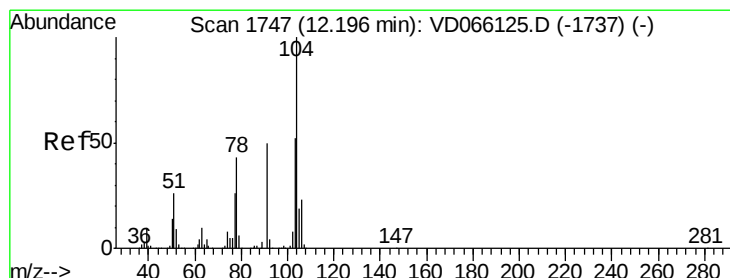
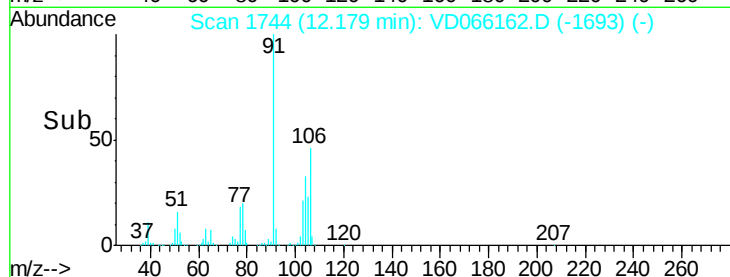
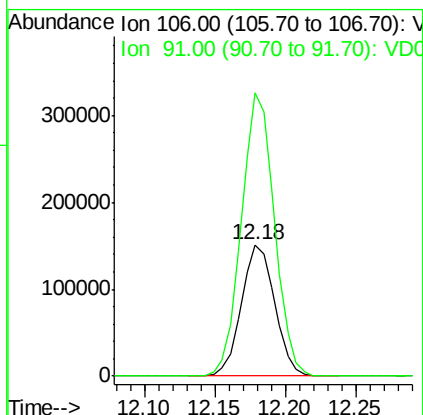
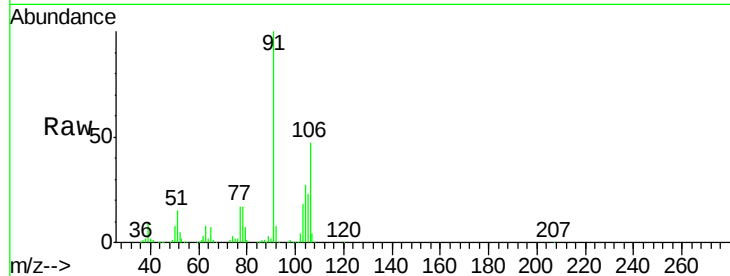




#69
o-Xylene
Concen: 47.940 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

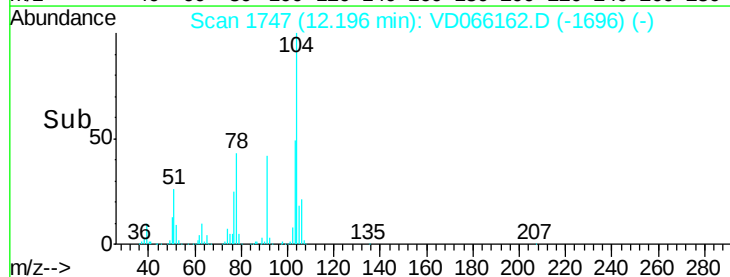
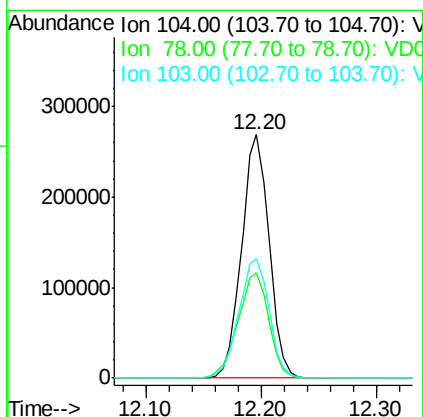
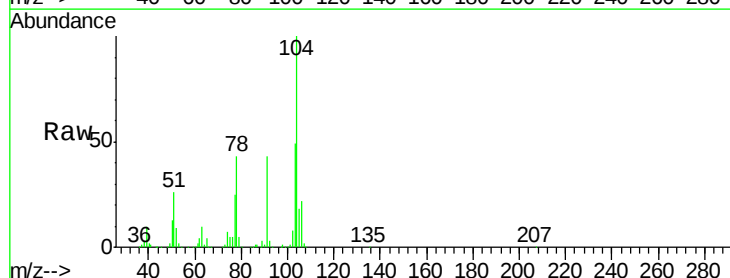
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

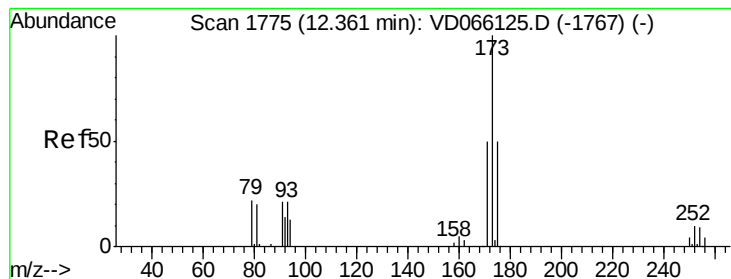
Tot Ion:106 Resp: 250966
Ion Ratio Lower Upper
106 100
91 212.8 105.7 317.1



#70
Styrene
Concen: 48.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion:104 Resp: 445031
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 53.8 44.1 66.1





#71

Bromoform

Concen: 46.220 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

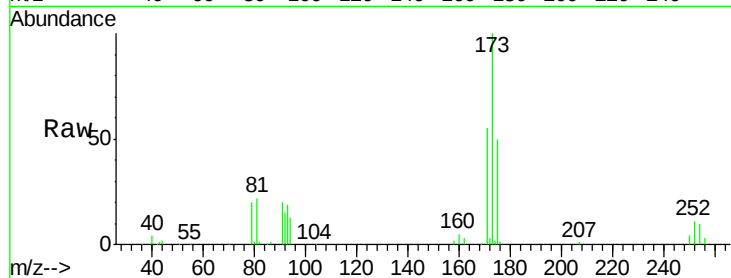
Tot Ion:173 Resp: 91841

Ion Ratio Lower Upper

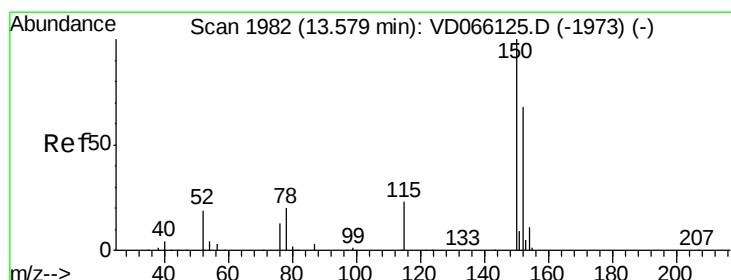
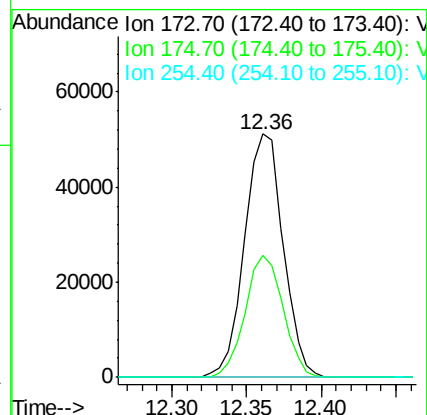
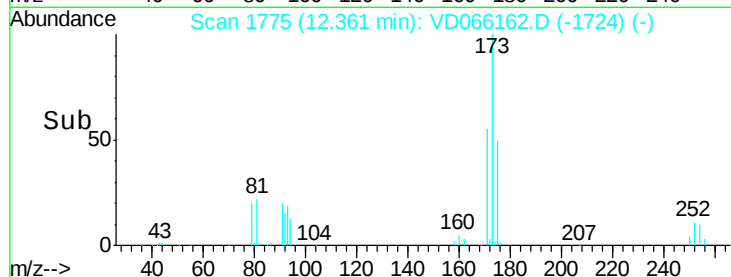
173 100

175 49.2 24.6 73.6

254 0.1 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: VD066162.D

Acq: 10 Aug 2020 14:04

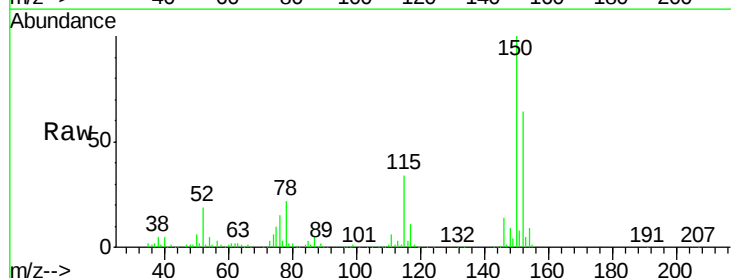
Tgt Ion:152 Resp: 220295

Ion Ratio Lower Upper

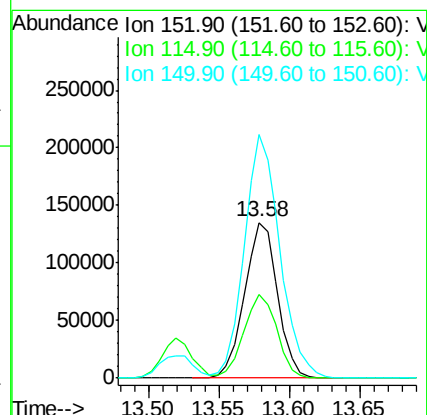
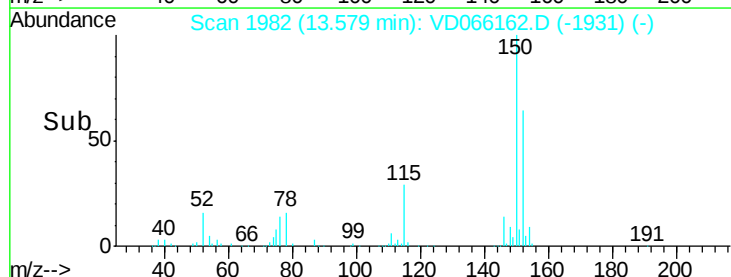
152 100

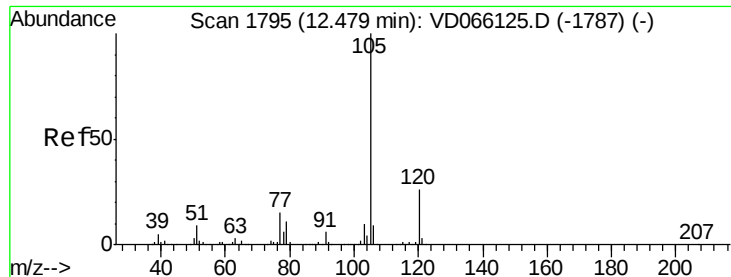
115 53.9 28.0 83.9

150 169.4 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

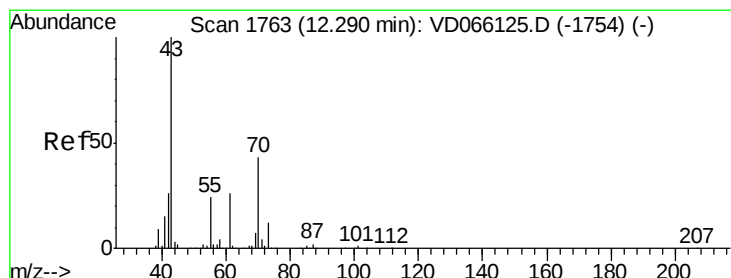
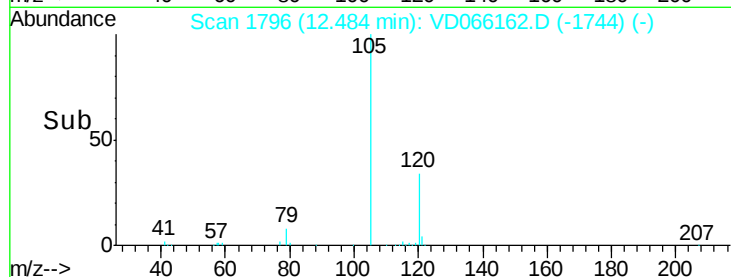
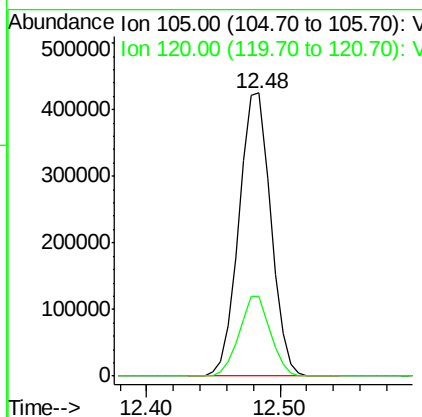
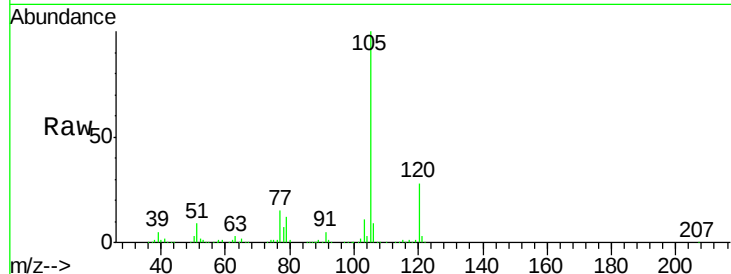




#73
Isopropylbenzene
Concen: 47.864 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

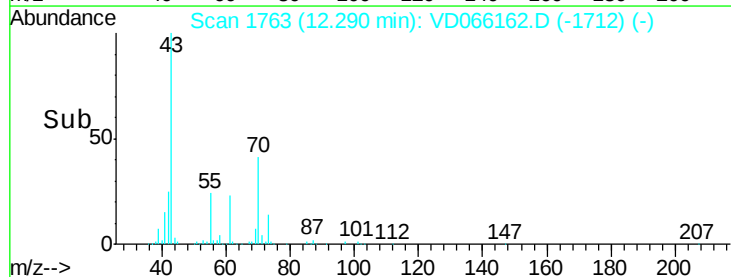
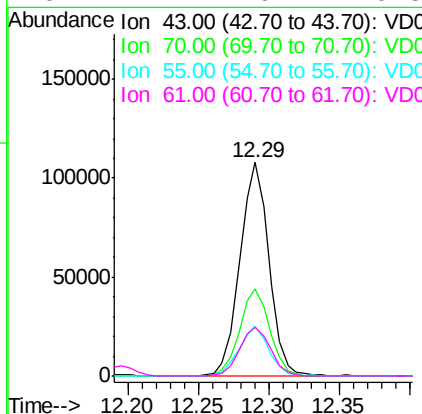
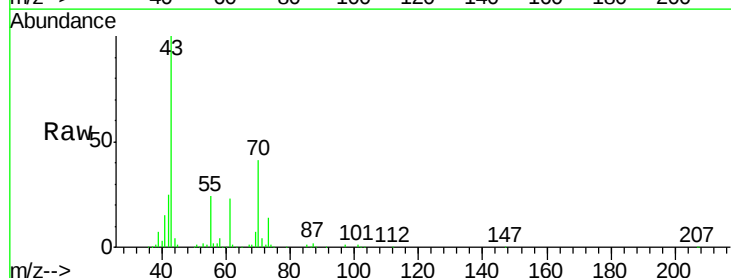
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

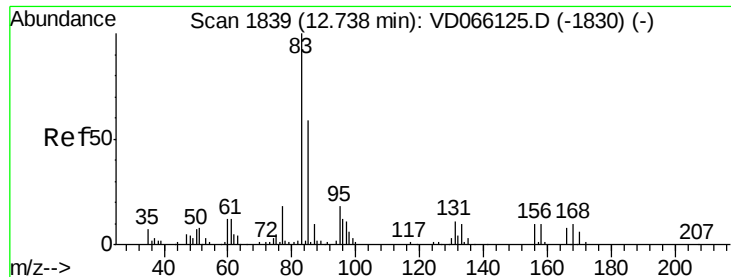
Tot Ion:105 Resp: 703847
Ion Ratio Lower Upper
105 100
120 27.5 13.3 39.9



#74
N-ethyl acetate
Concen: 47.809 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 43 Resp: 154815
Ion Ratio Lower Upper
43 100
70 42.1 34.9 52.3
55 24.1 19.2 28.8
61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.297 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

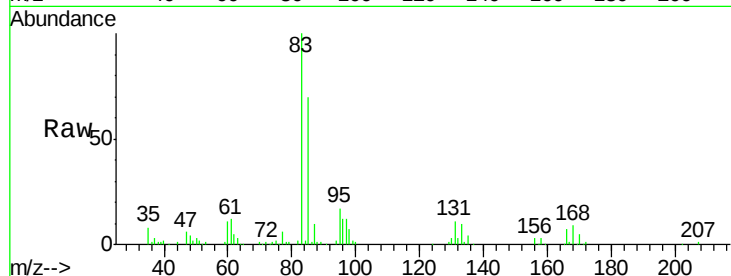
Tot Ion: 83 Resp: 113582

Ion Ratio Lower Upper

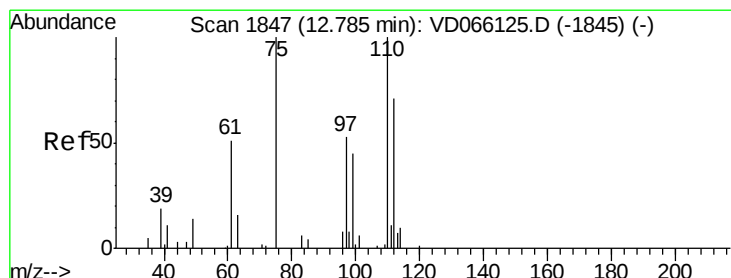
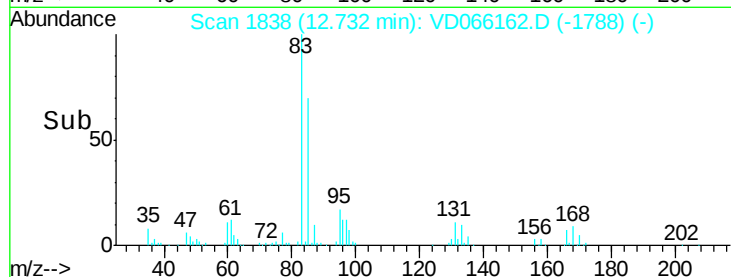
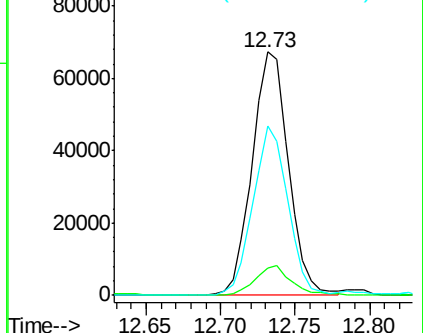
83 100

131 11.9 6.2 18.6

85 66.4 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 82.732 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066162.D

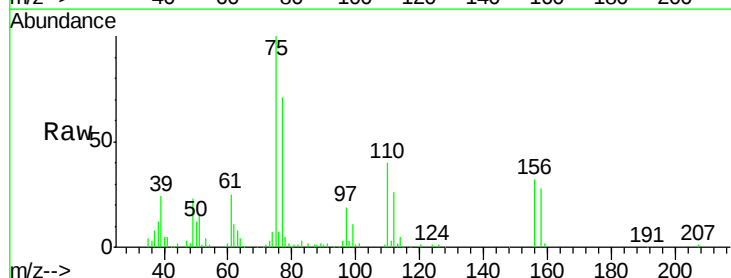
Acq: 10 Aug 2020 14:04

Tgt Ion: 75 Resp: 151988

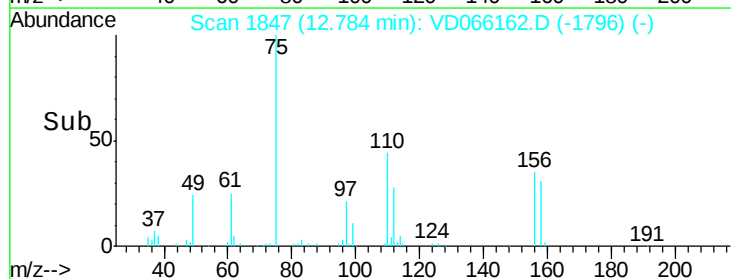
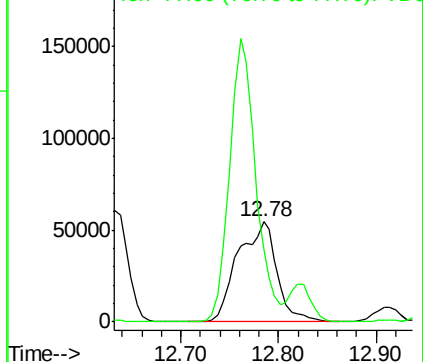
Ion Ratio Lower Upper

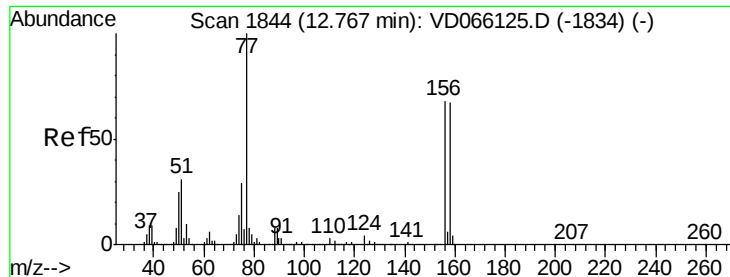
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 46.545 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

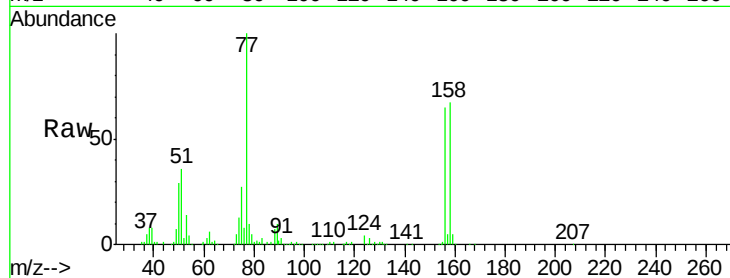
Tot Ion:156 Resp: 176193

Ion Ratio Lower Upper

156 100

77 163.6 81.0 243.1

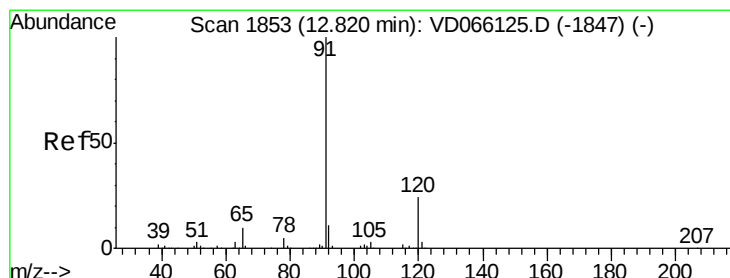
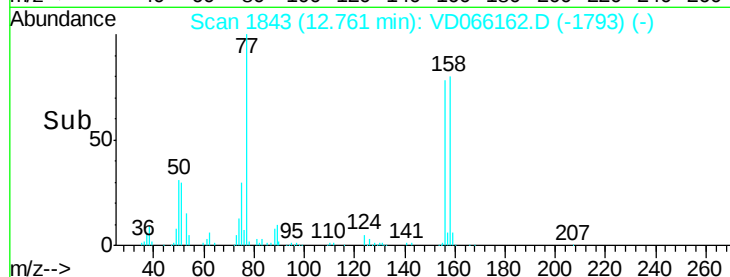
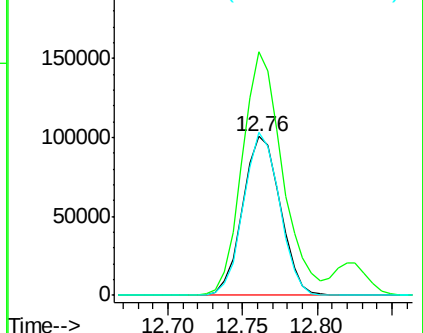
158 97.9 48.8 146.3



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: 48.575 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066162.D

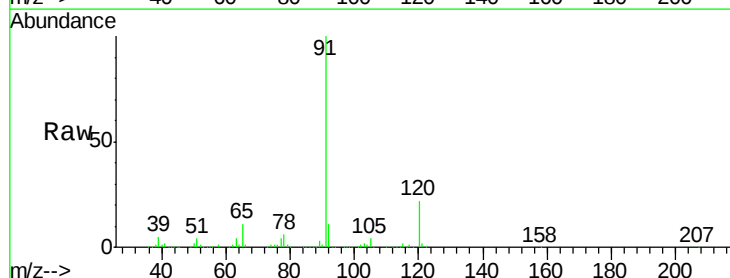
Acq: 10 Aug 2020 14:04

Tgt Ion: 91 Resp: 830332

Ion Ratio Lower Upper

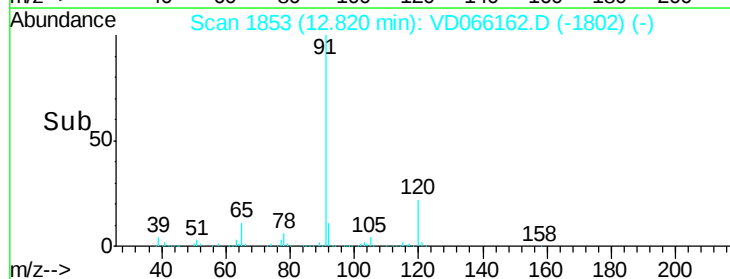
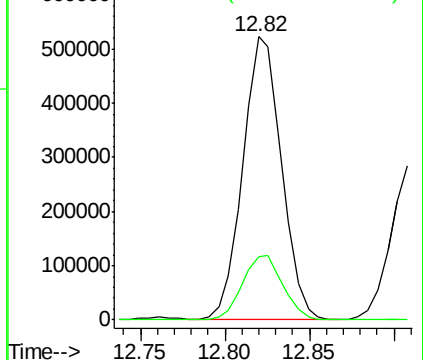
91 100

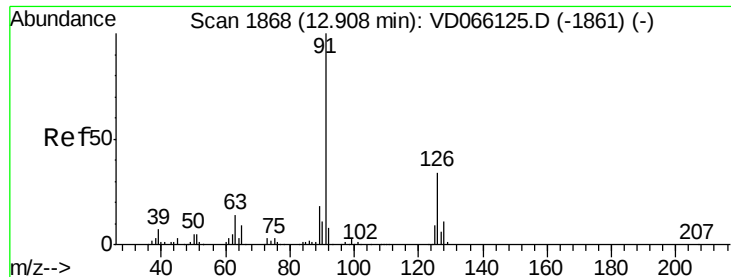
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.650 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

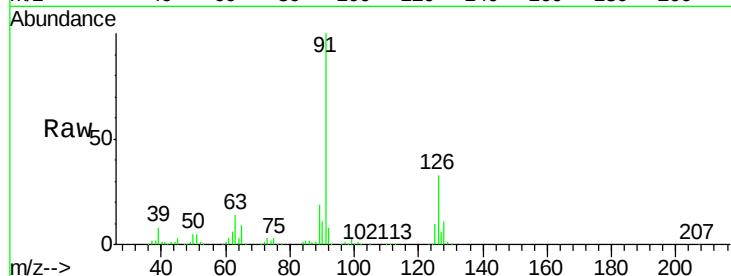
VSTDCCC050

Tot Ion: 91 Resp: 465856

Ion Ratio Lower Upper

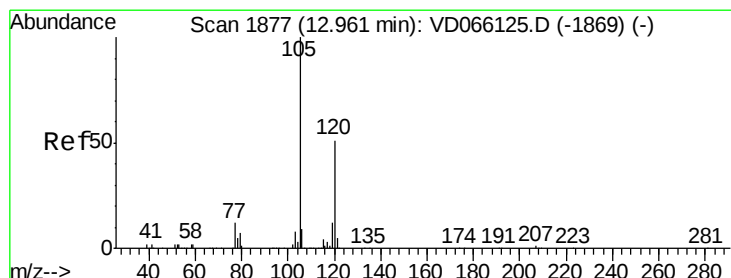
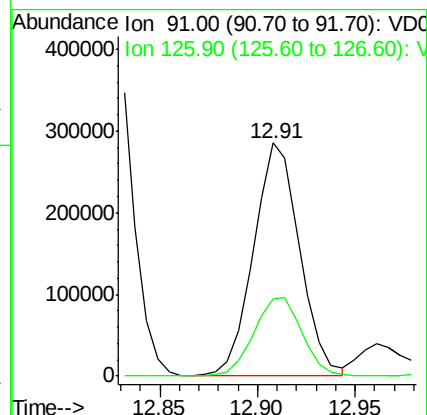
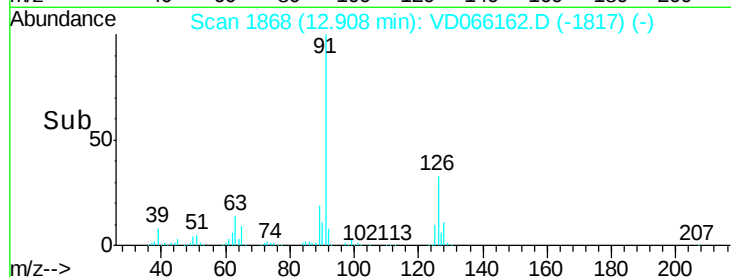
91 100

126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066162.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066162.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.403 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066162.D

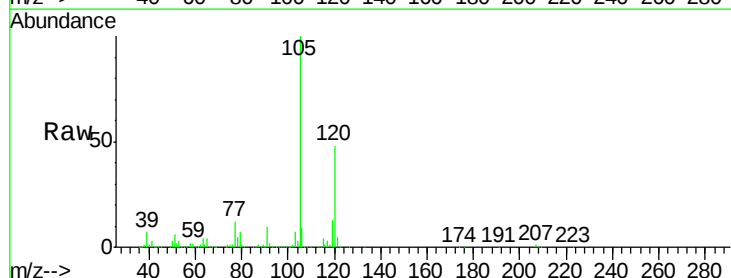
Acq: 10 Aug 2020 14:04

Tgt Ion: 105 Resp: 595262

Ion Ratio Lower Upper

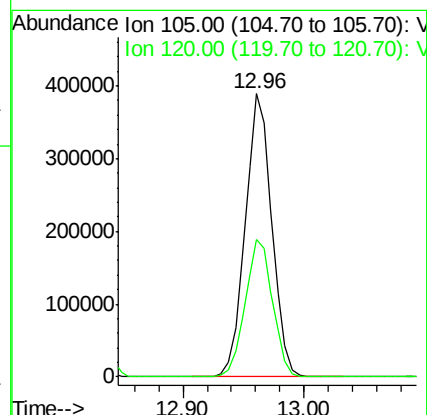
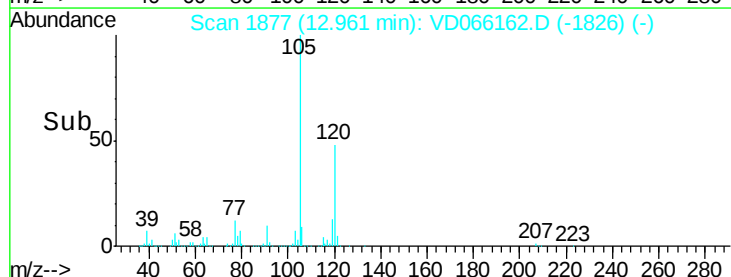
105 100

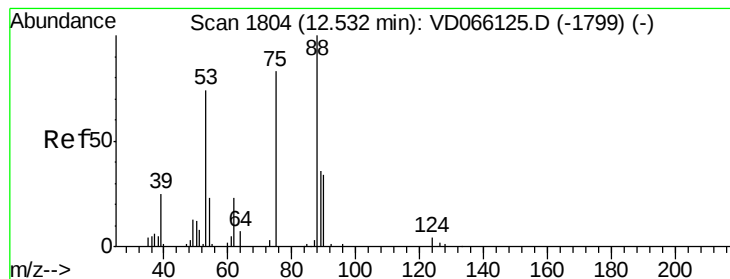
120 50.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066162.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066162.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.994 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

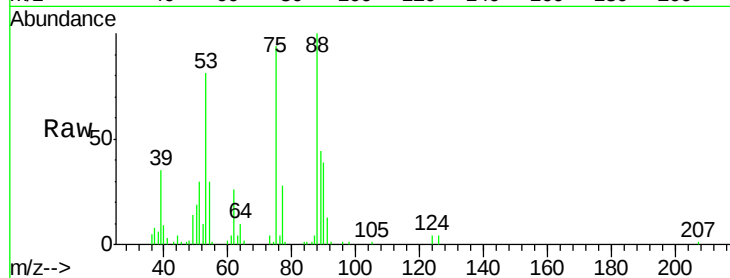
Tot Ion: 75 Resp: 40717

Ion Ratio Lower Upper

75 100

53 88.6 73.4 110.2

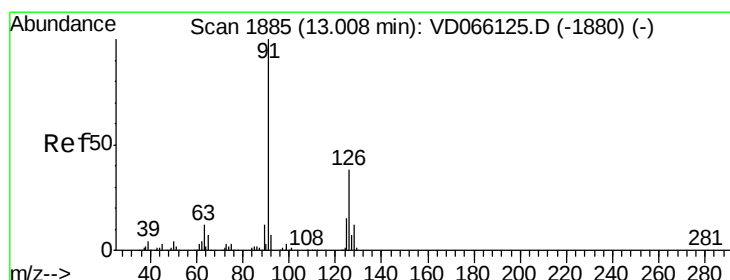
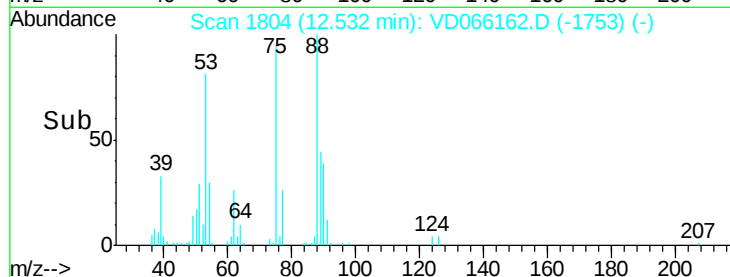
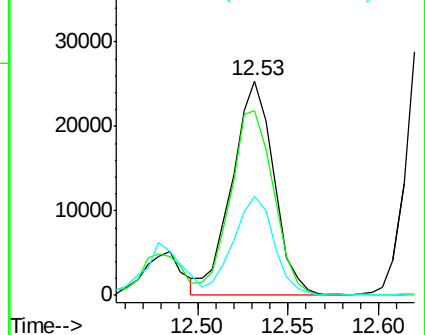
89 45.2 36.6 55.0



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: 47.237 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066162.D

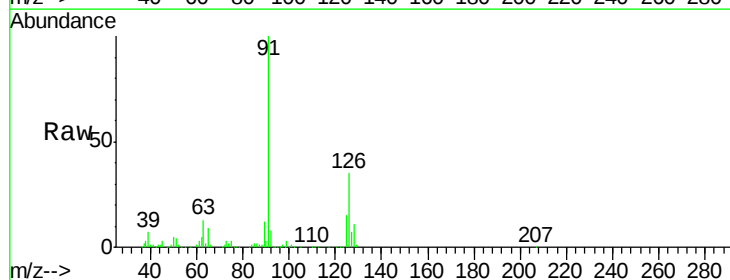
Acq: 10 Aug 2020 14:04

Tgt Ion: 91 Resp: 487507

Ion Ratio Lower Upper

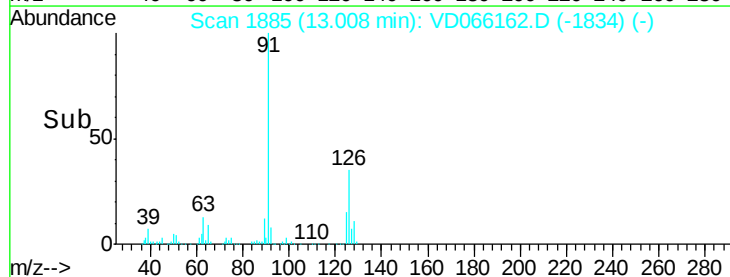
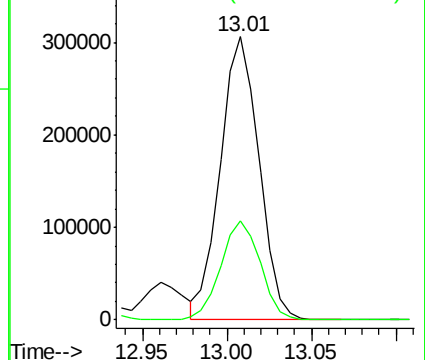
91 100

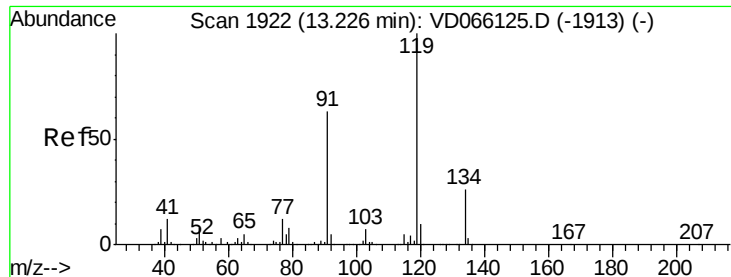
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

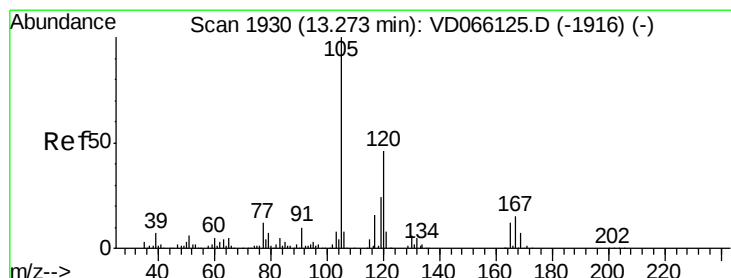
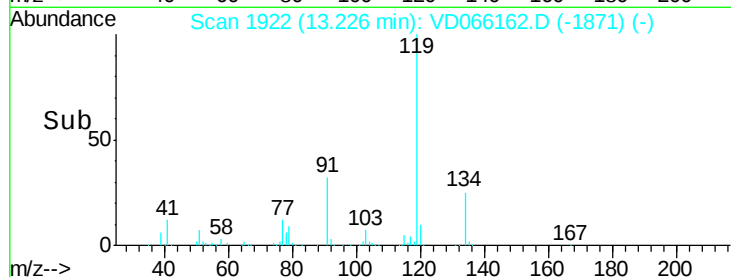
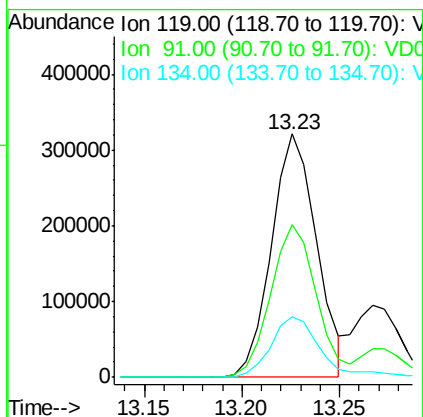
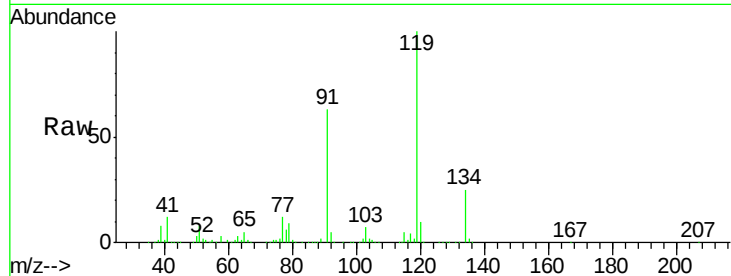




#83
tert-Butylbenzene
Concen: 47.460 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

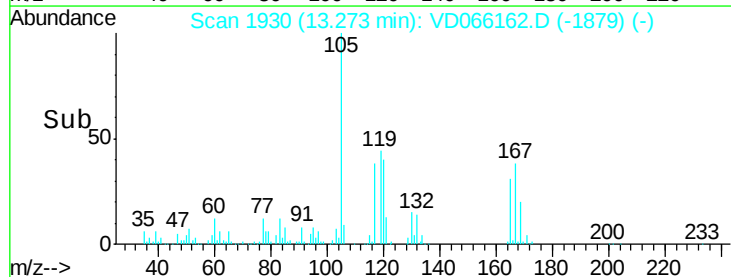
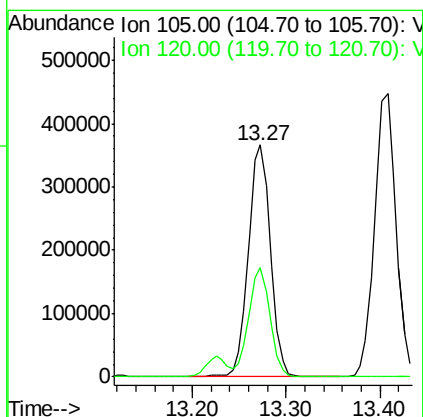
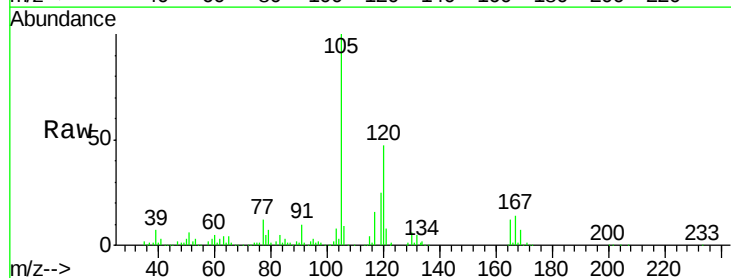
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

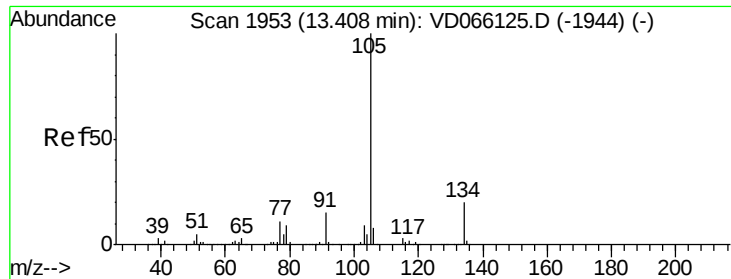
Tot Ion:119 Resp: 513303
Ion Ratio Lower Upper
119 100
91 63.5 30.8 92.4
134 27.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 48.399 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion:105 Resp: 595673
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 48.498 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

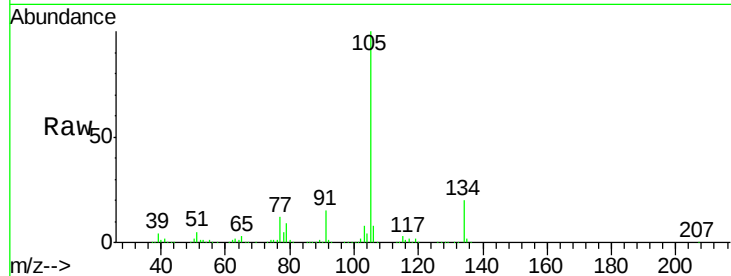
VSTDCCC050

Tot Ion:105 Resp: 708174

Ion Ratio Lower Upper

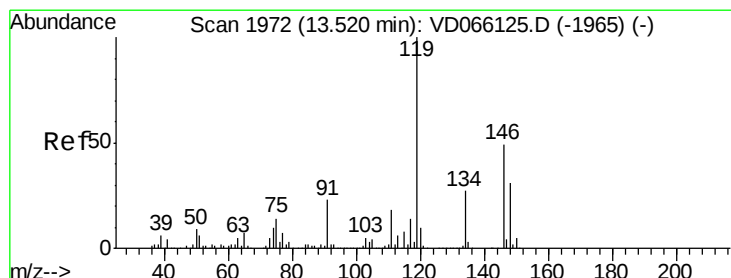
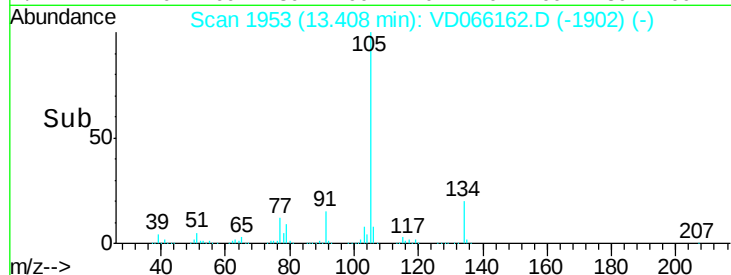
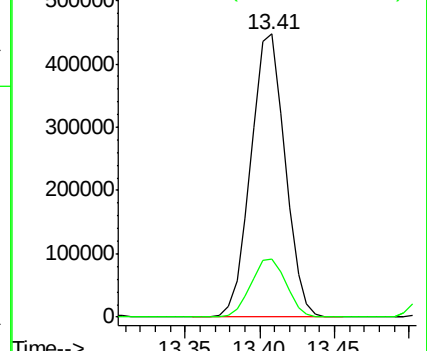
105 100

134 21.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.473 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

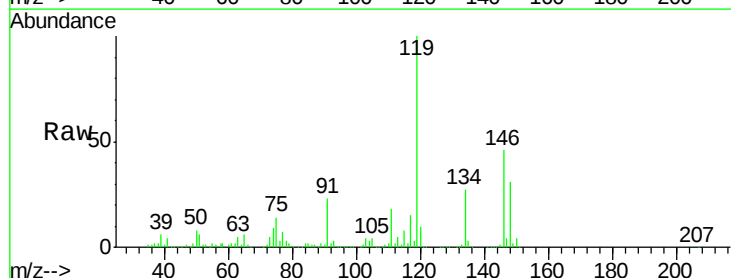
Tgt Ion:119 Resp: 663867

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

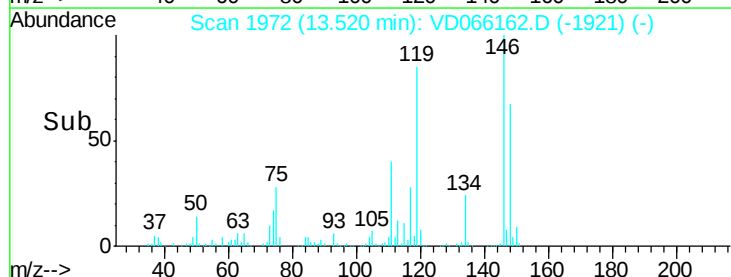
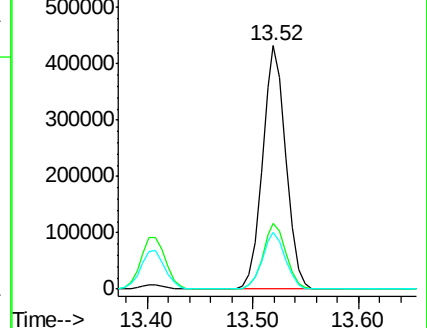
91 23.1 11.2 33.5

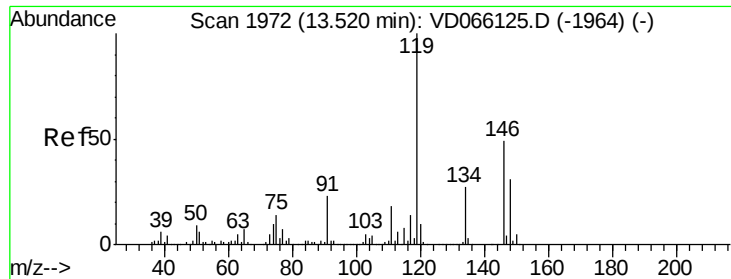


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.970 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

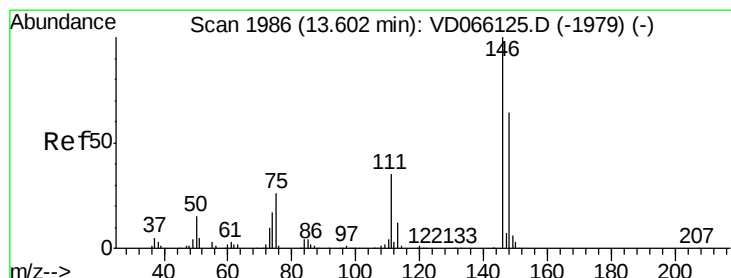
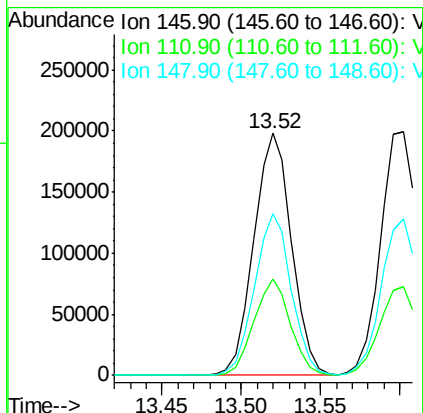
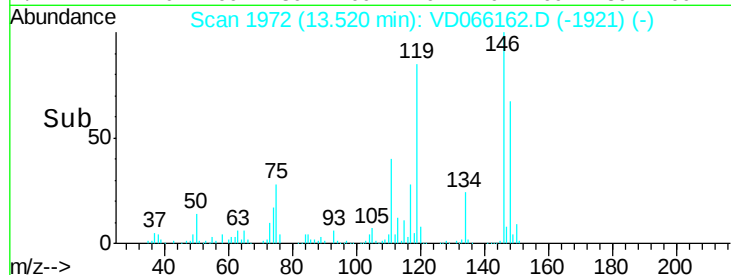
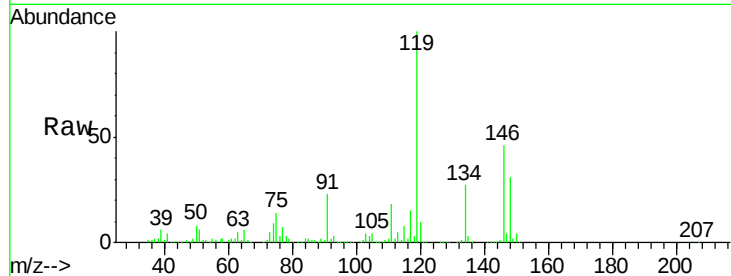
Tot Ion:146 Resp: 327057

Ion Ratio Lower Upper

146 100

111 38.4 18.9 56.9

148 65.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 46.416 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

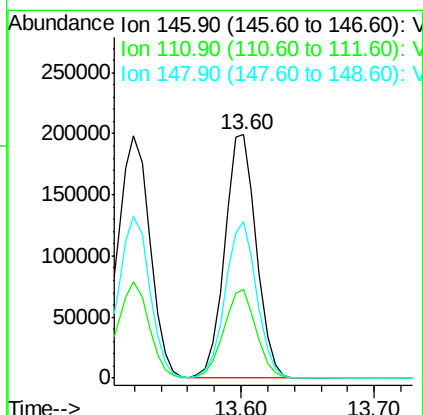
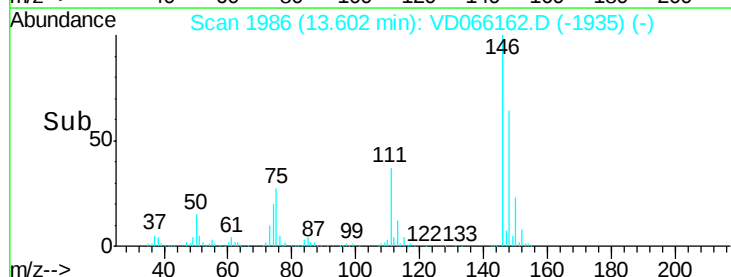
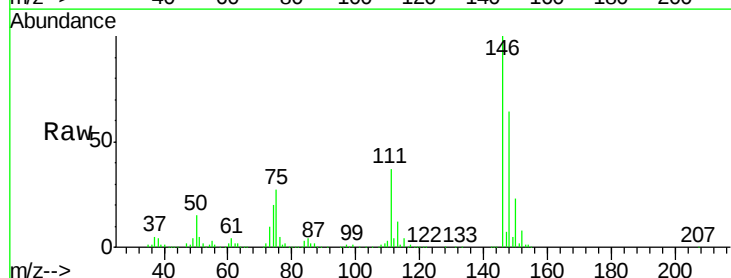
Tgt Ion:146 Resp: 329333

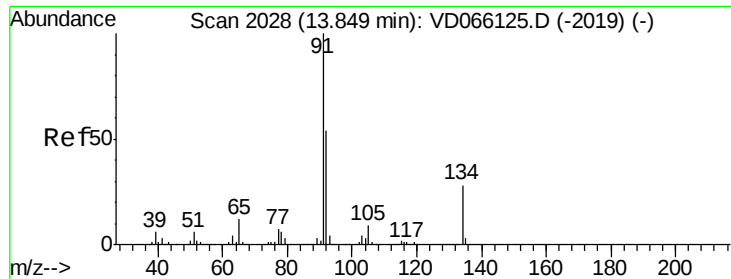
Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

148 63.7 32.4 97.0

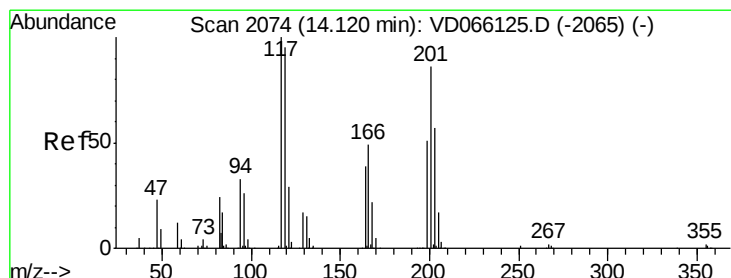
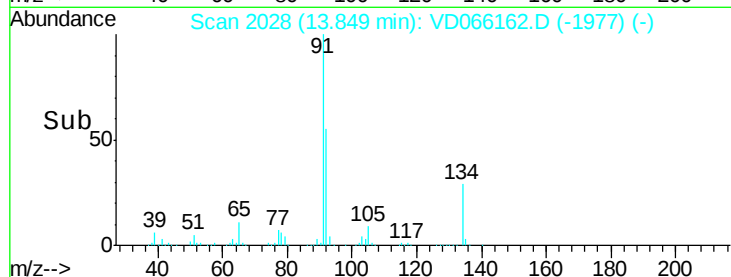
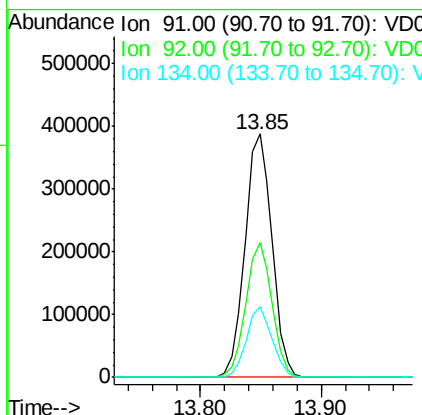
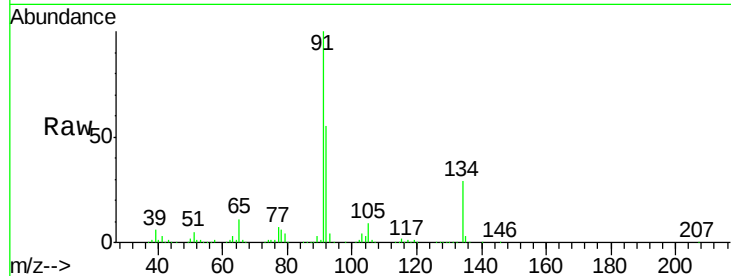




#89
n-Butylbenzene
Concen: 49.348 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

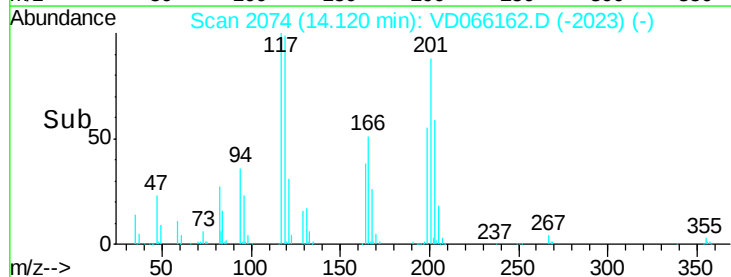
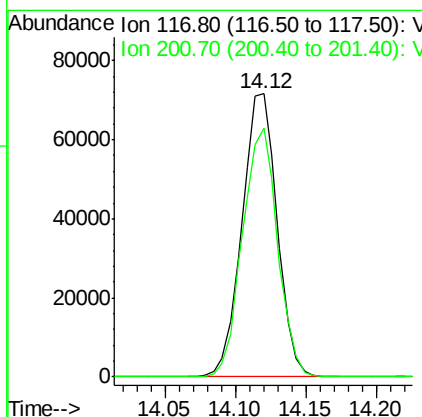
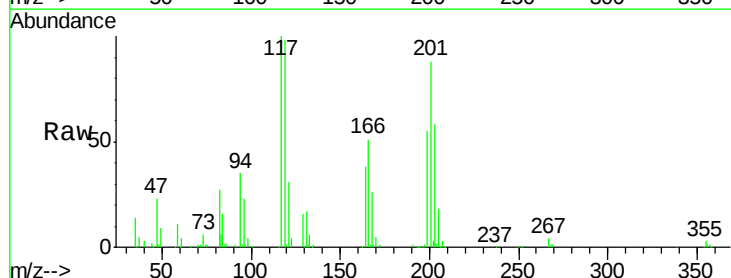
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

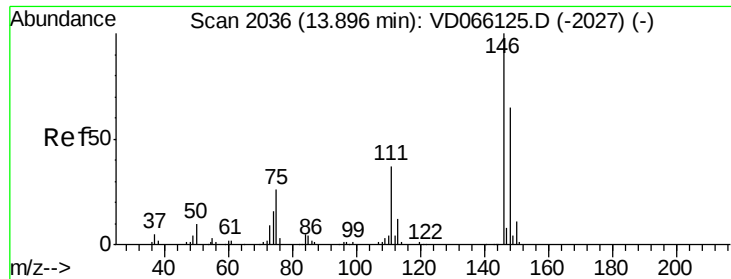
Tot Ion: 91 Resp: 605534
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 27.5 14.0 41.9



#90
Hexachloroethane
Concen: 45.932 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066162.D
Acq: 10 Aug 2020 14:04

Tgt Ion: 117 Resp: 125460
Ion Ratio Lower Upper
117 100
201 87.5 42.7 128.1





#91

1,2-Dichlorobenzene

Concen: 46.228 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

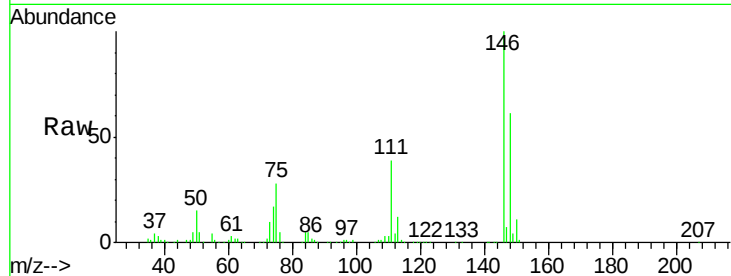
Tot Ion:146 Resp: 290861

Ion Ratio Lower Upper

146 100

111 39.2 18.8 56.3

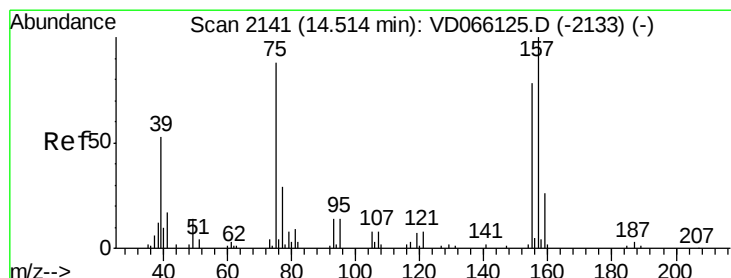
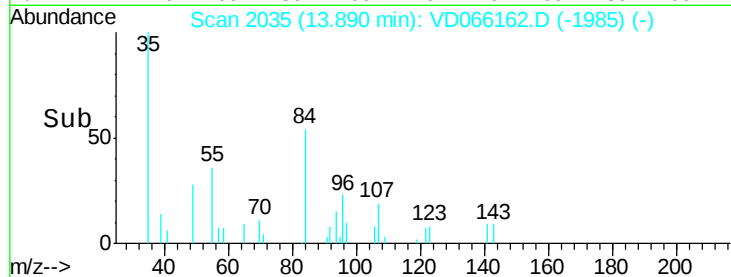
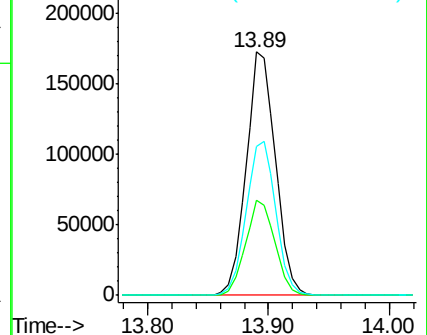
148 63.9 31.9 95.5



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: 43.234 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

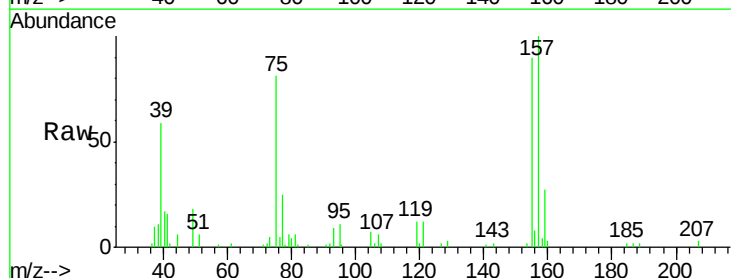
Tgt Ion: 75 Resp: 18632

Ion Ratio Lower Upper

75 100

155 103.7 47.7 143.1

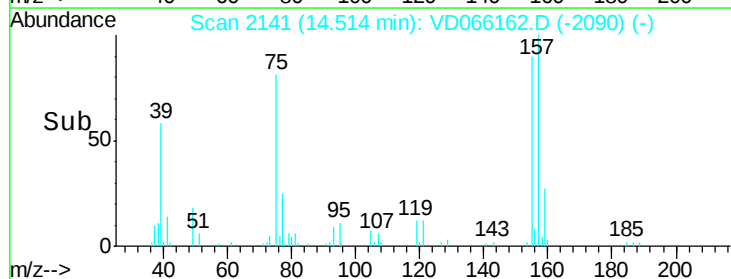
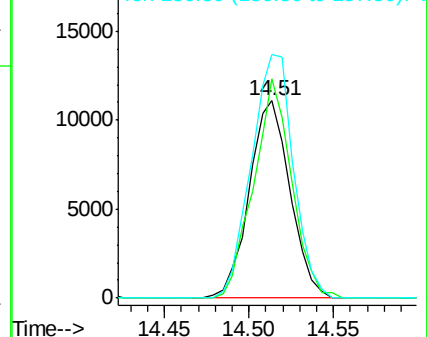
157 127.6 62.1 186.2

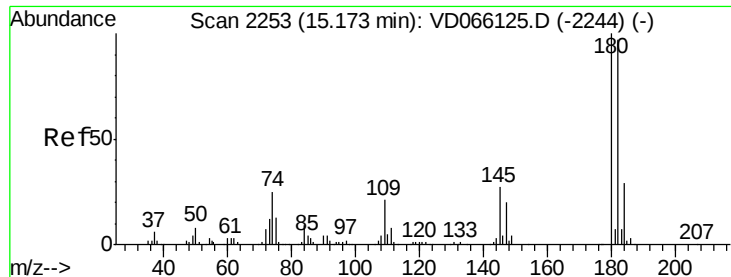


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

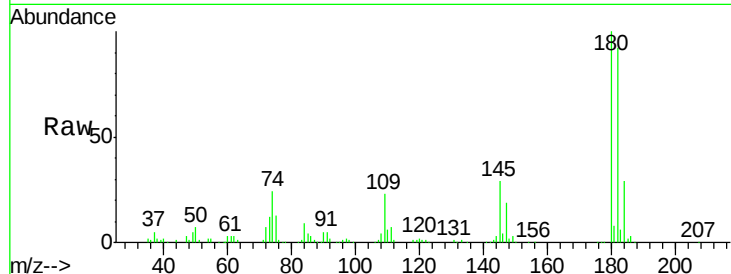




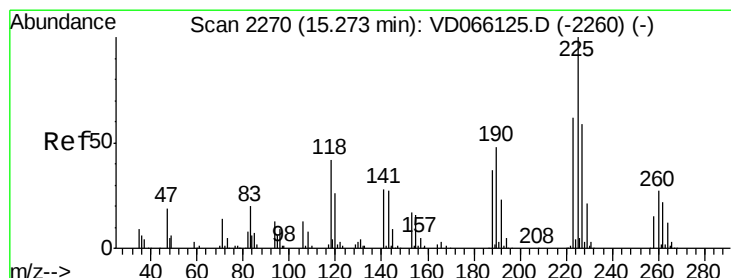
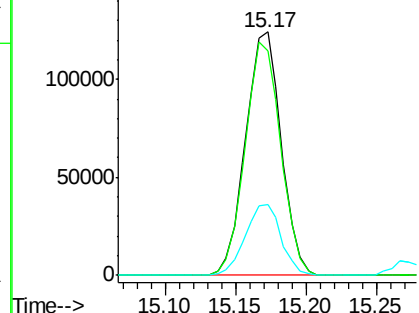
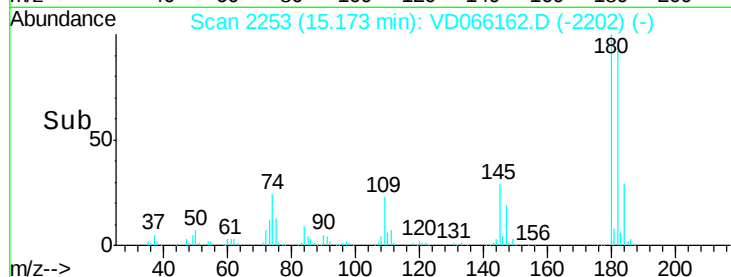
#93
 1,2,4-Trichlorobenzene
 Concen: 47.409 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	29.5	14.5	43.6

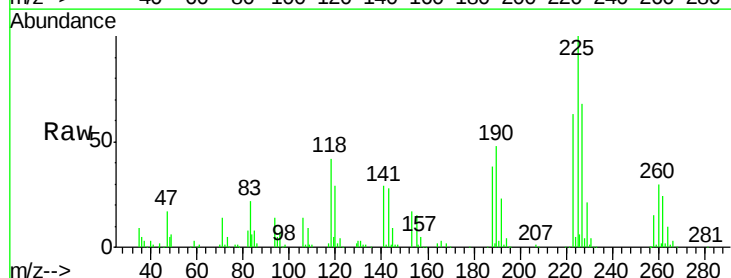


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

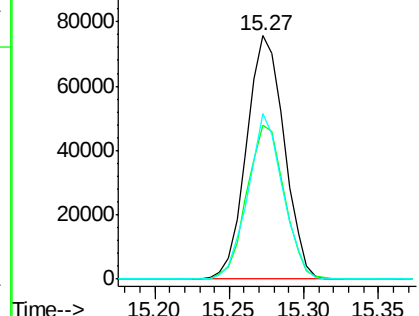
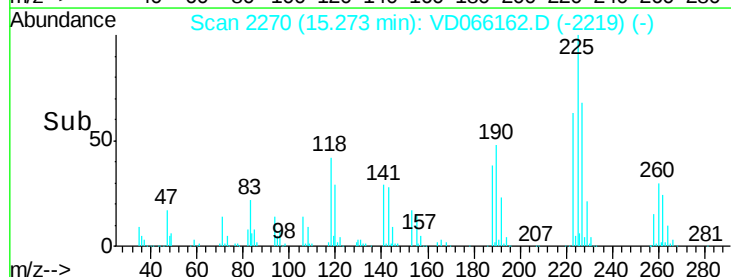


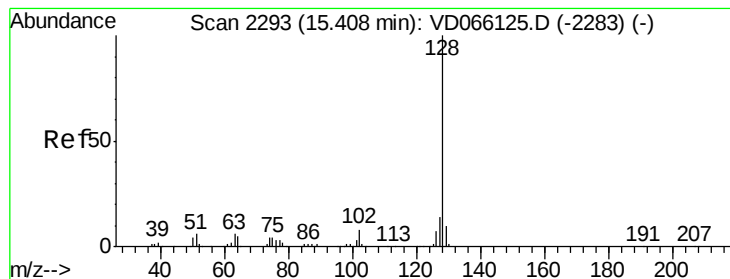
#94
 Hexachlorobutadiene
 Concen: 48.404 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066162.D
 Acq: 10 Aug 2020 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.3	96.9
227	62.8	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: 49.418 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Instrument :

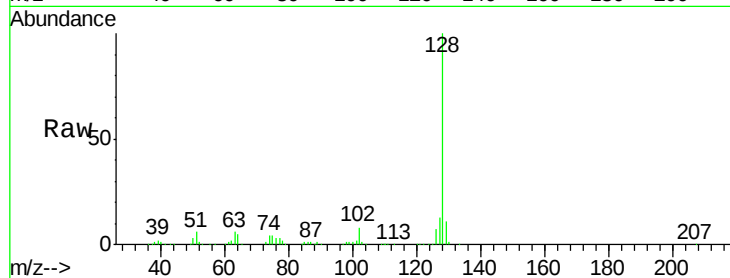
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 373360

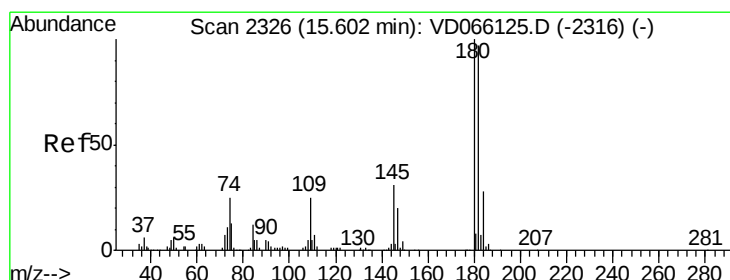
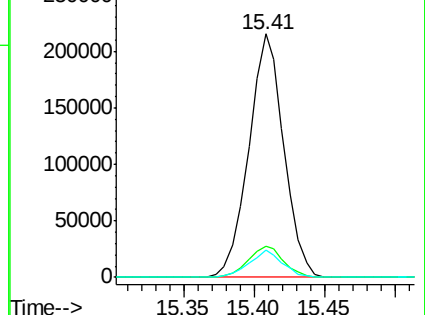
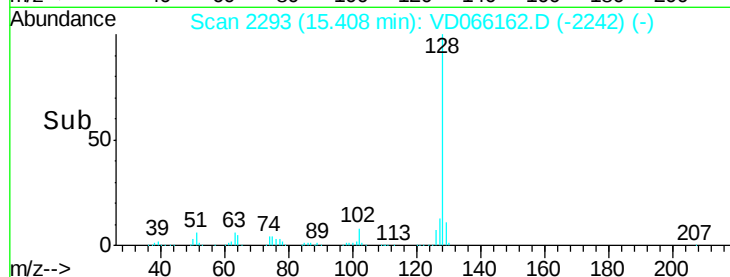
Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	10.5	8.8	13.2



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: 46.920 ug/l

RT: 15.60 min Scan# 2326

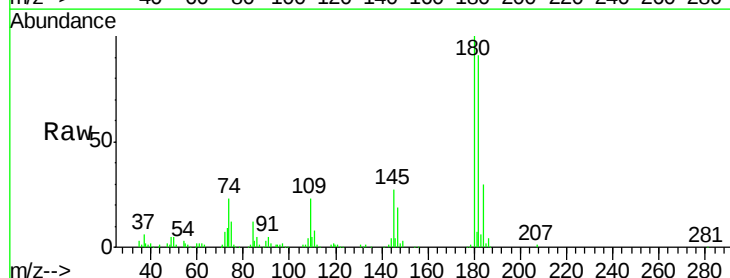
Delta R.T. -0.00 min

Lab File: VD066162.D

Acq: 10 Aug 2020 14:04

Tgt Ion:180 Resp: 192053

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.4
145	30.5	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

