

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066179.D
 Acq On : 11 Aug 2020 11:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 11 15:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	338615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223786	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	150380	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.91	113	155551	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	583119	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.63	95	203242	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	119475	40.048	ug/l 97
3) Chloromethane	2.20	50	99232	42.760	ug/l 99
4) Vinyl Chloride	2.34	62	99466	48.412	ug/l 100
5) Bromomethane	2.76	94	64704	47.468	ug/l 98
6) Chloroethane	2.92	64	60075	47.634	ug/l 91
7) Trichlorofluoromethane	3.27	101	238305	44.489	ug/l 99
8) Diethyl Ether	3.70	74	67432	44.616	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146567	46.106	ug/l 99
10) Methyl Iodide	4.30	142	156539	53.540	ug/l 97
11) Tert butyl alcohol	5.22	59	46986	200.817	ug/l 98
12) 1,1-Dichloroethene	4.06	96	136167	45.407	ug/l 95
13) Acrolein	3.91	56	60253	250.572	ug/l 100
14) Allyl chloride	4.70	41	218511	48.097	ug/l 98
15) Acrylonitrile	5.41	53	151585	238.008	ug/l 98
16) Acetone	4.15	43	169481	295.673	ug/l 99
17) Carbon Disulfide	4.40	76	419807	44.029	ug/l 99
18) Methyl Acetate	4.71	43	64253	44.131	ug/l 98
19) Methyl tert-butyl Ether	5.47	73	313443	45.602	ug/l 98
20) Methylene Chloride	4.96	84	157470	47.613	ug/l 99
21) trans-1,2-Dichloroethene	5.47	96	160056	46.461	ug/l 92
22) Diisopropyl ether	6.36	45	423947	47.189	ug/l 99
23) Vinyl Acetate	6.30	43	1276512	242.533	ug/l 98
24) 1,1-Dichloroethane	6.26	63	256834	46.194	ug/l 98
25) 2-Butanone	7.21	43	202834	240.588	ug/l 98
26) 2,2-Dichloropropane	7.20	77	242514	48.666	ug/l 98
27) cis-1,2-Dichloroethene	7.20	96	168497	46.632	ug/l 100
28) Bromochloromethane	7.54	49	99731	51.071	ug/l 96
29) Tetrahydrofuran	7.56	42	122082	233.721	ug/l 99
30) Chloroform	7.70	83	268600	46.008	ug/l 99
31) Cyclohexane	7.98	56	234113	44.234	ug/l 98
32) 1,1,1-Trichloroethane	7.90	97	248794	45.451	ug/l 98
36) 1,1-Dichloropropene	8.10	75	213243	46.736	ug/l 98
37) Ethyl Acetate	7.28	43	87285	48.282	ug/l 97
38) Carbon Tetrachloride	8.09	117	235430	46.271	ug/l 98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	265409	48.120	ug/l	98
40) Benzene	8.34	78	585263	46.239	ug/l	99
41) Methacrylonitrile	7.55	41	119687	112.601	ug/l #	21
42) 1,2-Dichloroethane	8.42	62	171225	46.049	ug/l	100
43) Isopropyl Acetate	8.44	43	167767	47.100	ug/l	99
44) Trichloroethene	9.11	130	177324	46.492	ug/l	96
45) 1,2-Dichloropropane	9.38	63	145431	46.979	ug/l	97
46) Dibromomethane	9.47	93	80184	47.024	ug/l	100
47) Bromodichloromethane	9.66	83	207611	46.067	ug/l	95
48) Methyl methacrylate	9.45	41	88014	48.392	ug/l	99
49) 1,4-Dioxane	9.46	88	19264	879.355	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	435399	237.975	ug/l	100
52) Toluene	10.40	92	391044	46.951	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	205485	48.045	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	237251	47.347	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	113574	46.256	ug/l	98
56) Ethyl methacrylate	10.66	69	143514	48.656	ug/l	98
57) 1,3-Dichloropropane	10.94	76	190641	46.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	370939	279.583	ug/l	99
59) 2-Hexanone	10.98	43	316434	246.435	ug/l	98
60) Dibromochloromethane	11.14	129	152175	44.892	ug/l	98
61) 1,2-Dibromoethane	11.24	107	108867	46.104	ug/l	99
64) Tetrachloroethene	10.87	164	152507	44.996	ug/l	98
65) Chlorobenzene	11.67	112	415970	46.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	161687	46.119	ug/l	99
67) Ethyl Benzene	11.74	91	741812	47.775	ug/l	98
68) m/p-Xylenes	11.86	106	564984	93.915	ug/l	98
69) o-Xylene	12.18	106	260066	47.522	ug/l	100
70) Styrene	12.20	104	458942	47.853	ug/l	100
71) Bromoform	12.36	173	93857	45.185	ug/l #	99
73) Isopropylbenzene	12.48	105	731419	48.963	ug/l	100
74) N-amyl acetate	12.29	43	163301	49.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	119587	46.948	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	160079	85.777	ug/l #	100
77) Bromobenzene	12.76	156	178766	46.488	ug/l	96
78) n-propylbenzene	12.82	91	846499	48.748	ug/l	100
79) 2-Chlorotoluene	12.91	91	474549	47.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	610454	48.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41567	49.237	ug/l	98
82) 4-Chlorotoluene	13.01	91	502357	47.916	ug/l	99
83) tert-Butylbenzene	13.23	119	523235	47.624	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	608012	48.631	ug/l	100
85) sec-Butylbenzene	13.40	105	732859	49.405	ug/l	100
86) p-Isopropyltoluene	13.52	119	684841	49.225	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	340158	47.066	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	340859	47.291	ug/l	99
89) n-Butylbenzene	13.85	91	628925	50.455	ug/l	99
90) Hexachloroethane	14.11	117	130432	47.007	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	296972	46.463	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19505	44.553	ug/l	98

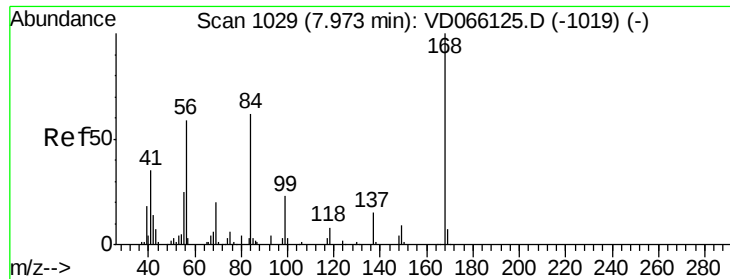
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	228276	48.464	ug/l	99
94) Hexachlorobutadiene	15.28	225	132481	47.764	ug/l	99
95) Naphthalene	15.41	128	378296	49.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194592	46.799	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

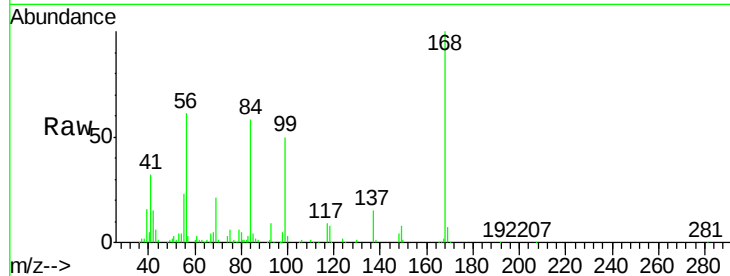
VSTDCCC050

Tgt Ion:168 Resp: 338615

Ion Ratio Lower Upper

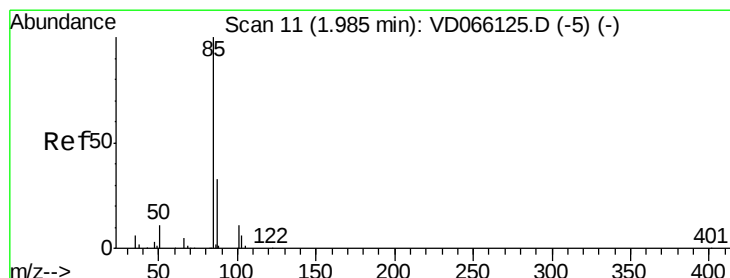
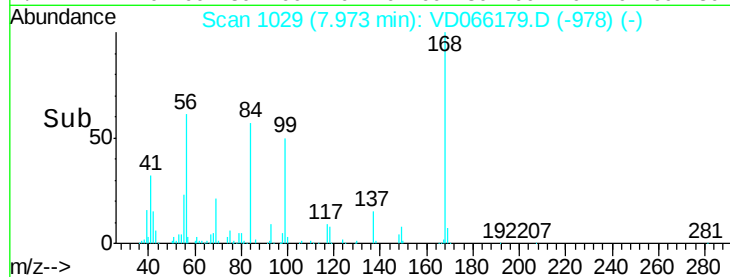
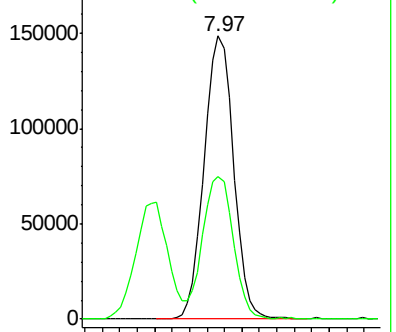
168 100

99 50.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.048 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066179.D

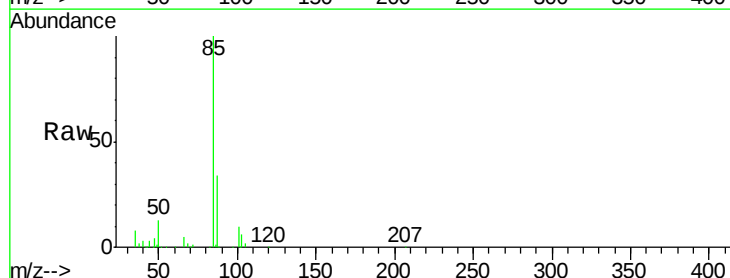
Acq: 11 Aug 2020 11:16

Tgt Ion: 85 Resp: 119475

Ion Ratio Lower Upper

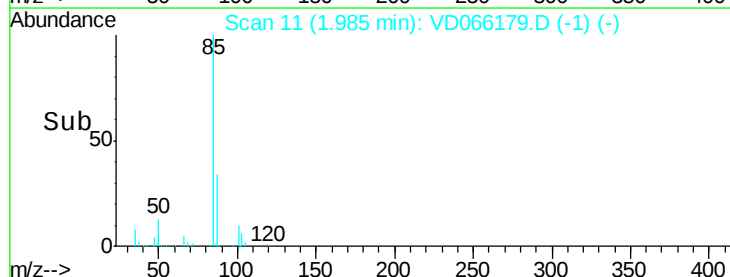
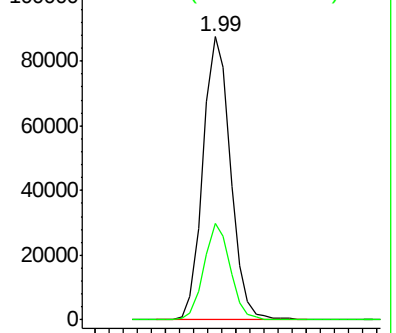
85 100

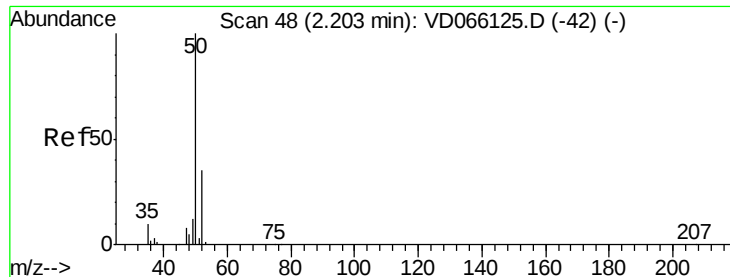
87 34.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.760 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

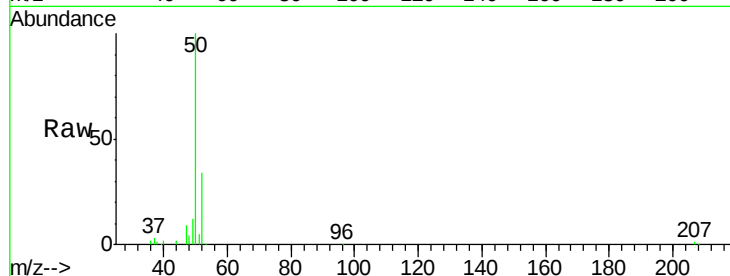
VSTDCCC050

Tgt Ion: 50 Resp: 99232

Ion Ratio Lower Upper

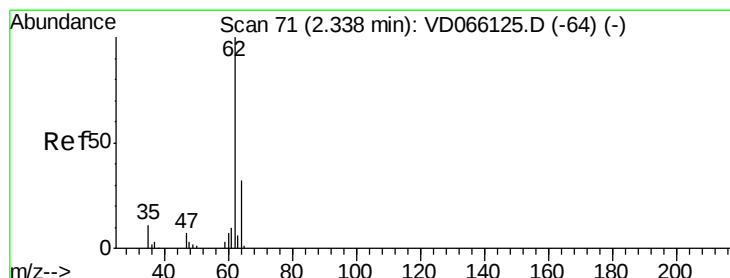
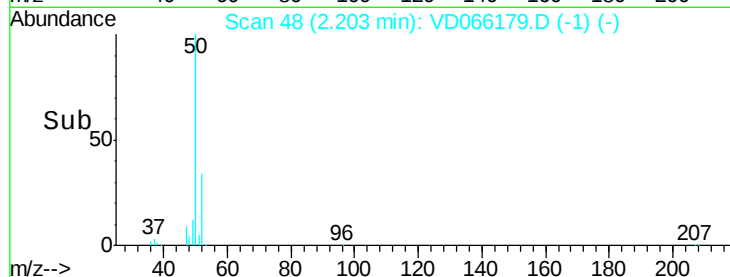
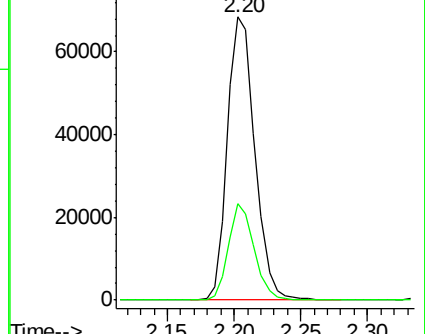
50 100

52 34.3 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.412 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066179.D

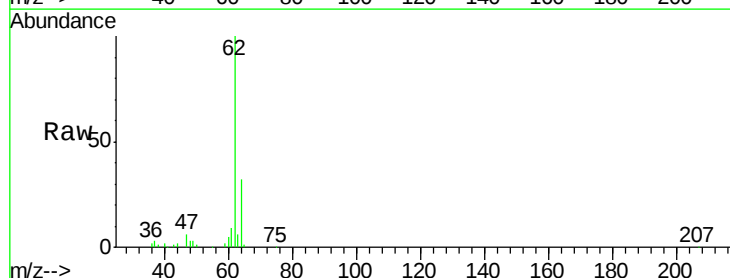
Acq: 11 Aug 2020 11:16

Tgt Ion: 62 Resp: 99466

Ion Ratio Lower Upper

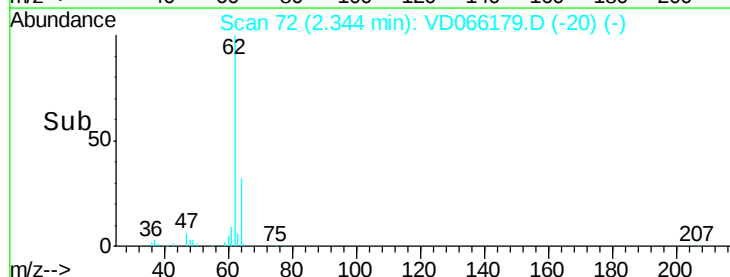
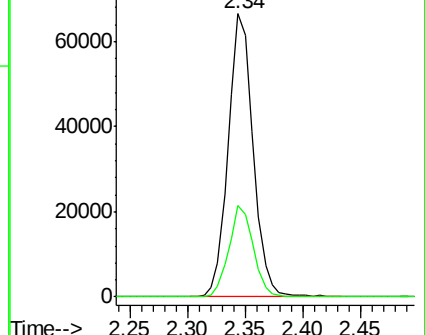
62 100

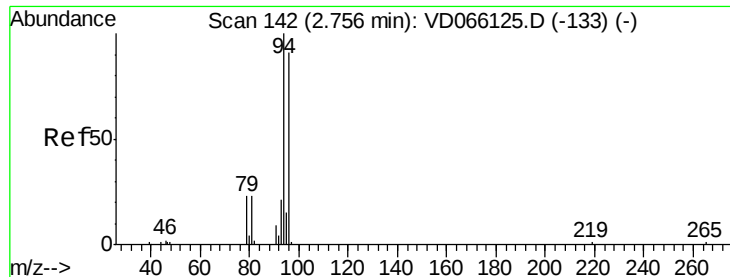
64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.468 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

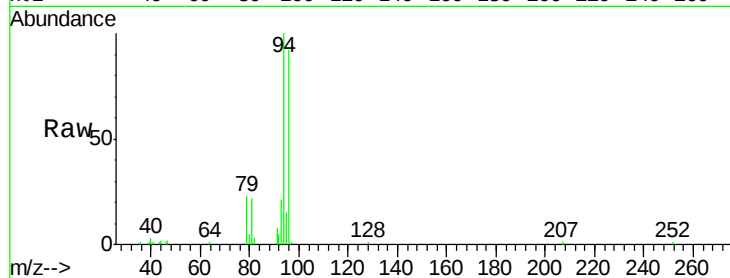
VSTDCCC050

Tgt Ion: 94 Resp: 64704

Ion Ratio Lower Upper

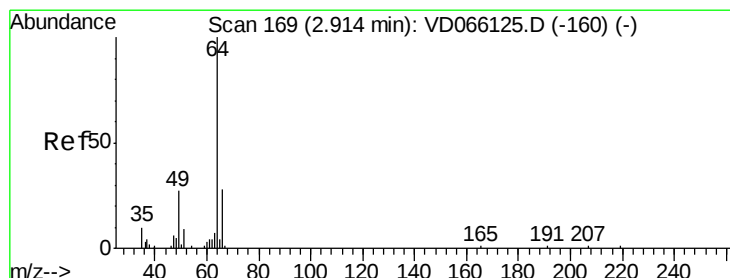
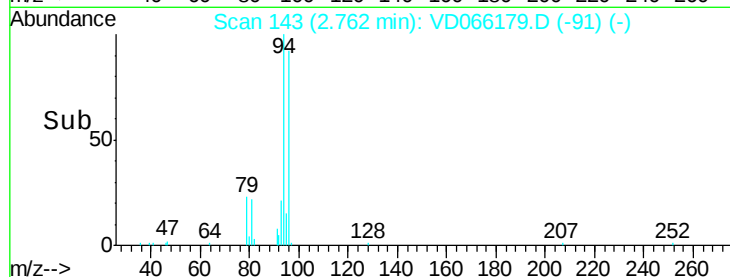
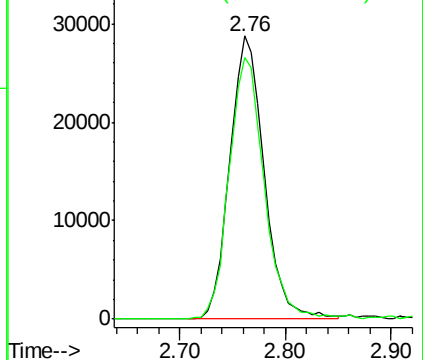
94 100

96 92.5 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.634 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066179.D

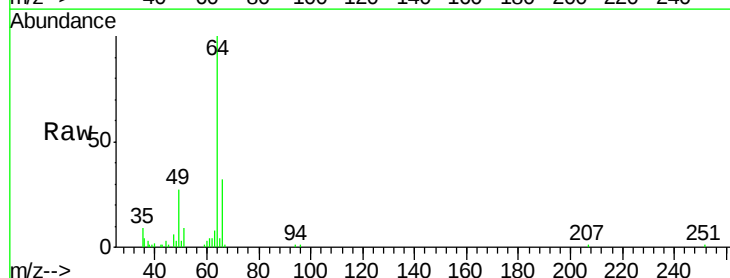
Acq: 11 Aug 2020 11:16

Tgt Ion: 64 Resp: 60075

Ion Ratio Lower Upper

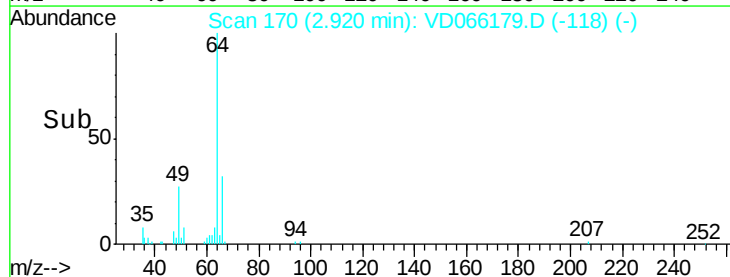
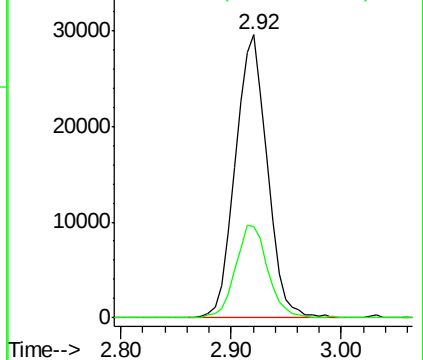
64 100

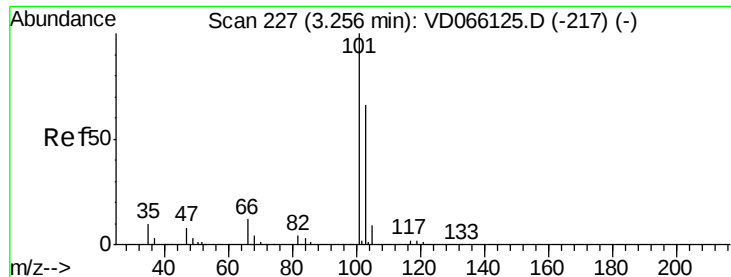
66 32.4 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



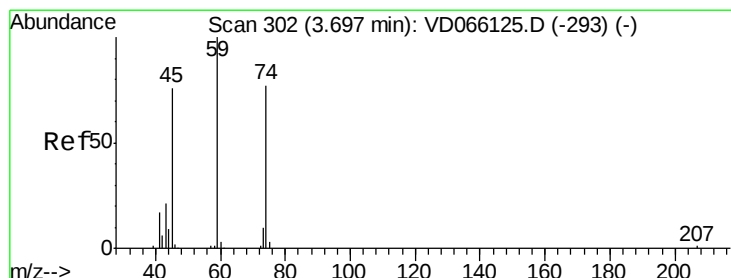
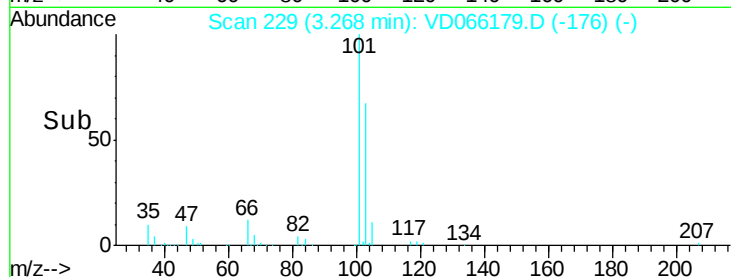
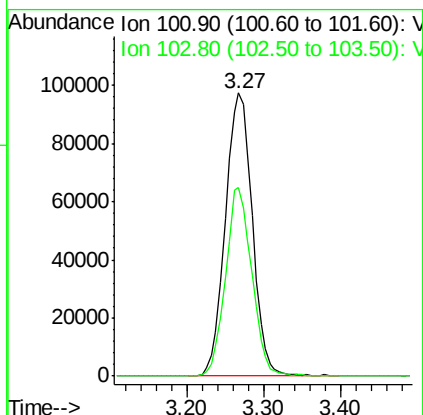
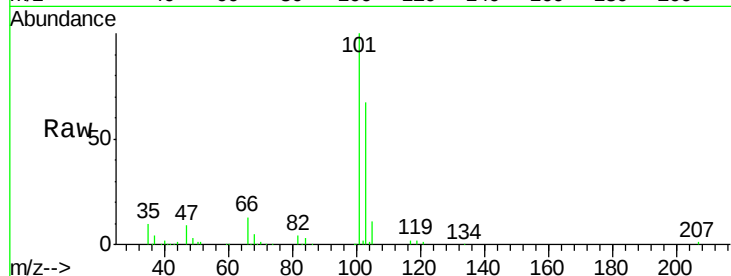


#7

Trichlorofluoromethane
 Concen: 44.489 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
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 VSTDCCC050

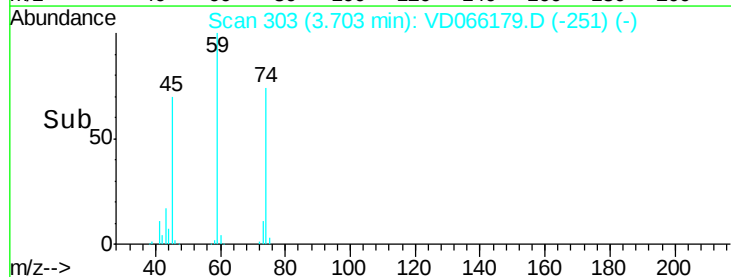
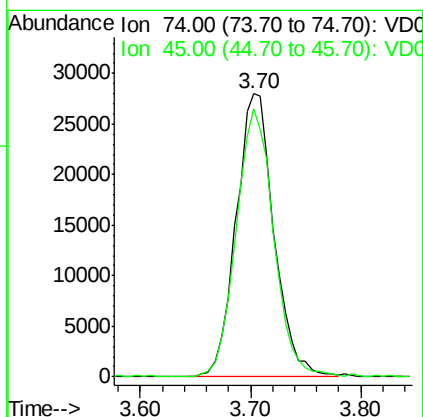
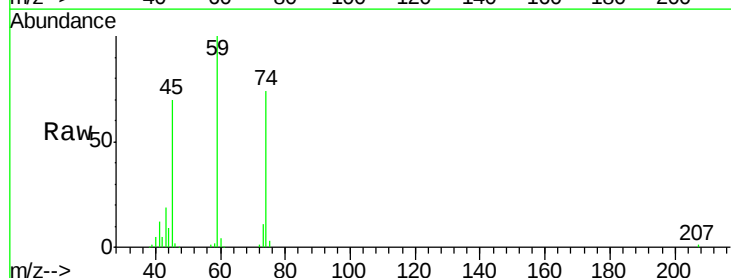
Tgt Ion: 101 Resp: 238305
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.0 79.6

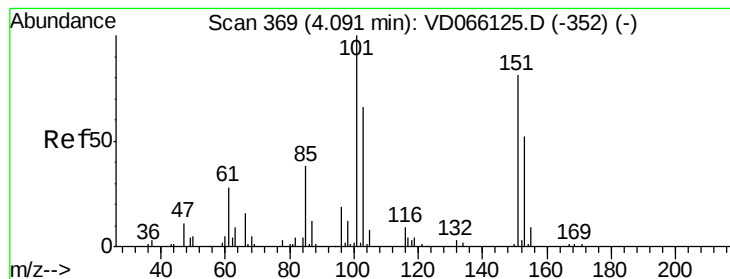


#8

Diethyl Ether
 Concen: 44.616 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 74 Resp: 67432
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.106 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

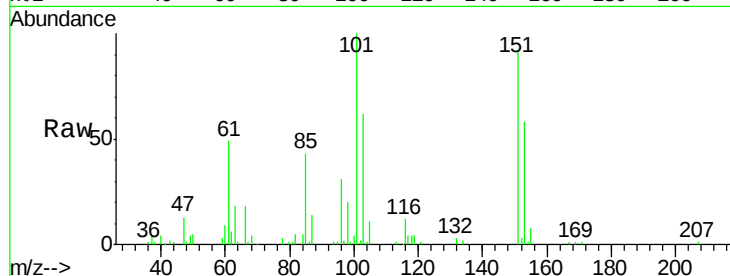
Tgt Ion:101 Resp: 146567

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

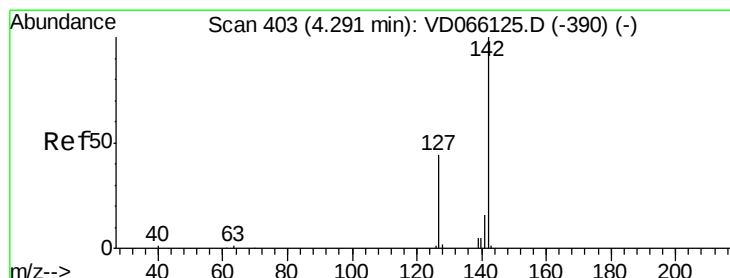
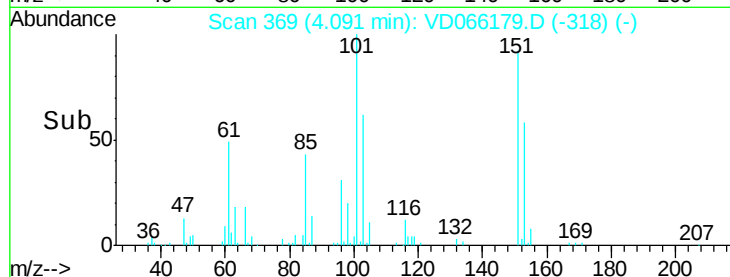
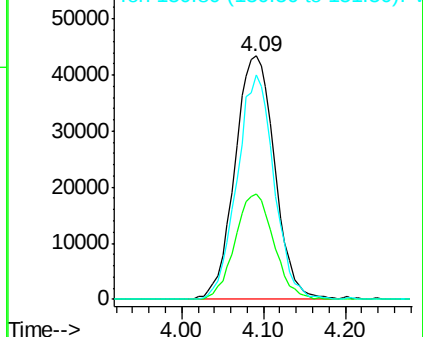
151 85.7 67.8 101.8



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: 53.540 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

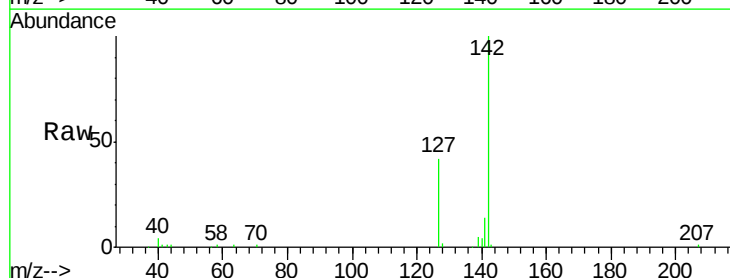
Tgt Ion:142 Resp: 156539

Ion Ratio Lower Upper

142 100

127 43.6 36.2 54.4

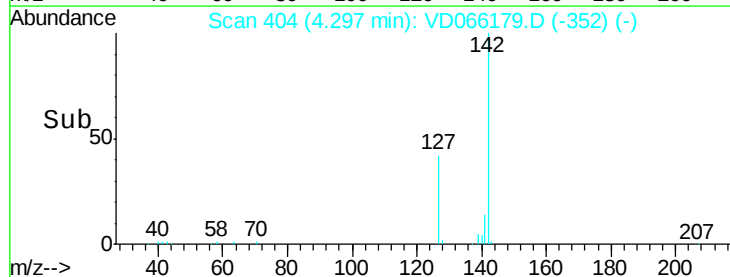
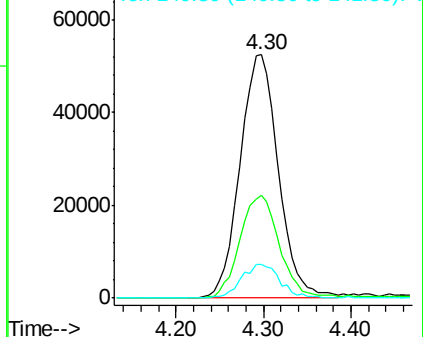
141 14.0 12.6 18.8



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: 200.817 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

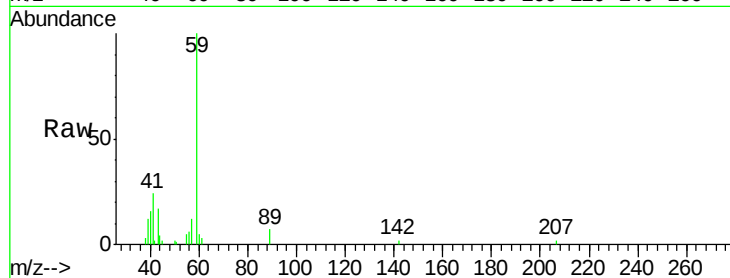
VSTDCCC050

Tgt Ion: 59 Resp: 46986

Ion Ratio Lower Upper

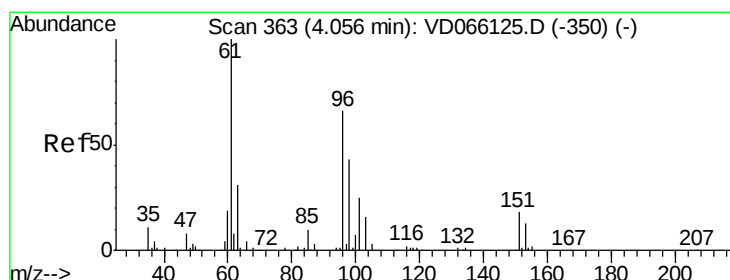
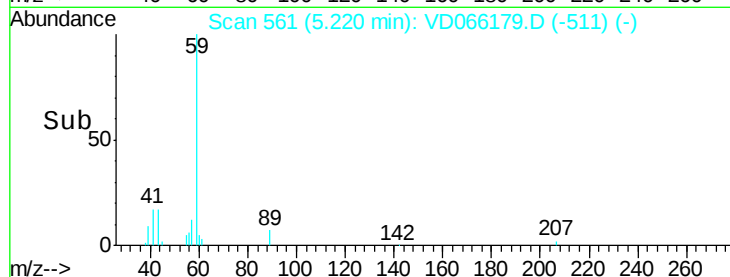
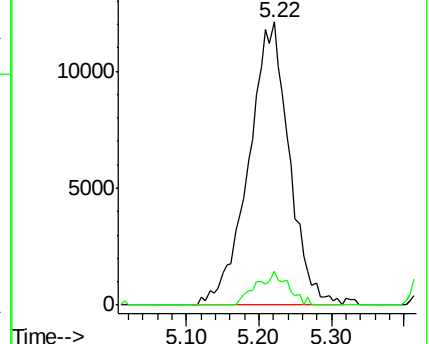
59 100

57 9.3 7.0 10.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 45.407 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

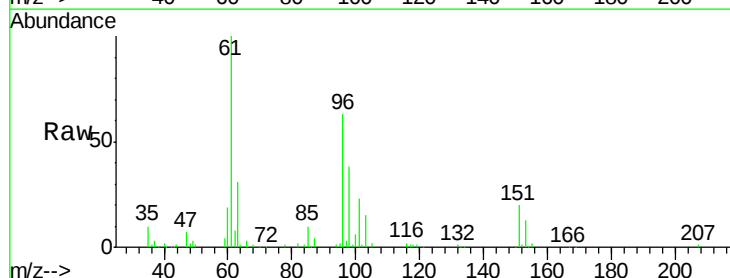
Tgt Ion: 96 Resp: 136167

Ion Ratio Lower Upper

96 100

61 157.7 121.6 182.4

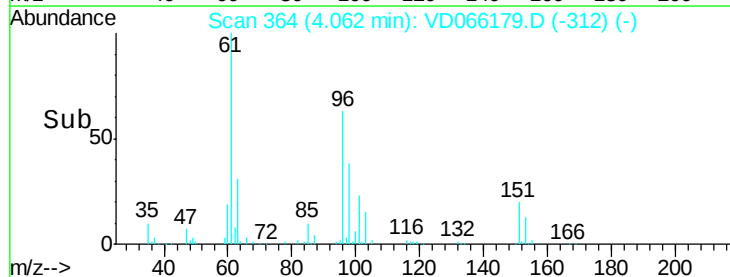
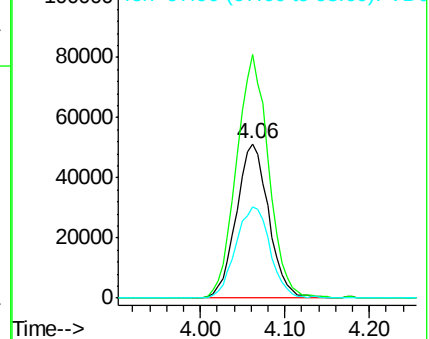
98 59.4 52.0 78.0

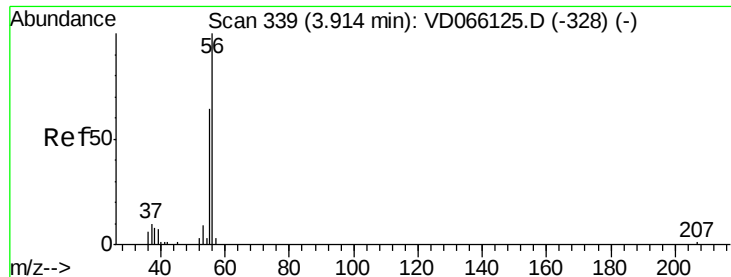


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 250.572 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

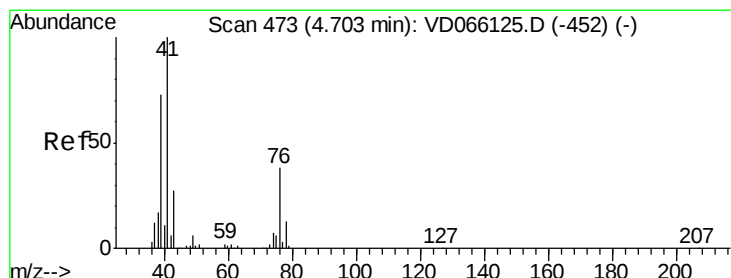
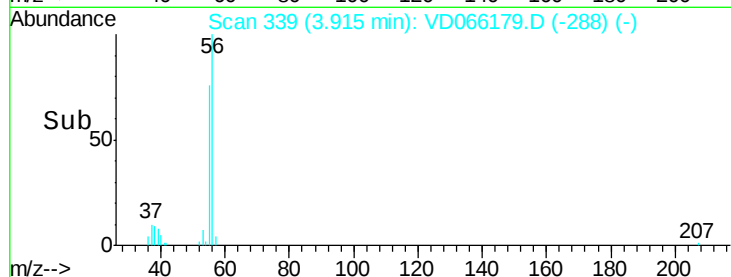
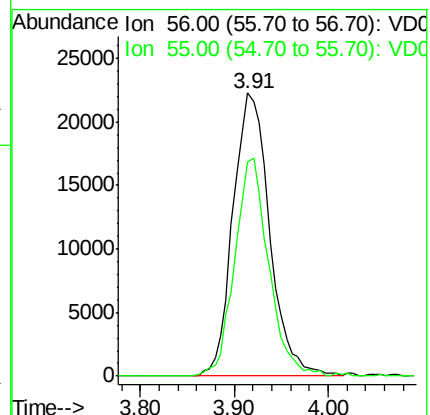
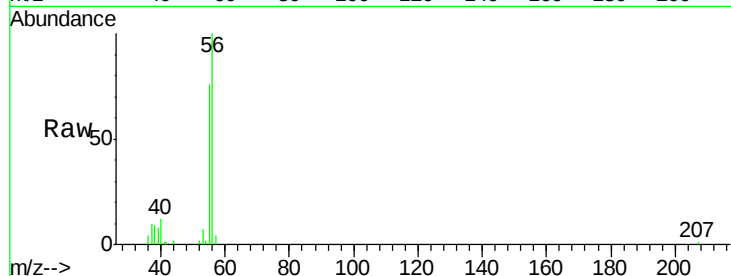
VSTDCCC050

Tgt Ion: 56 Resp: 60253

Ion Ratio Lower Upper

56 100

55 71.2 56.7 85.1



#14

Allyl chloride

Concen: 48.097 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

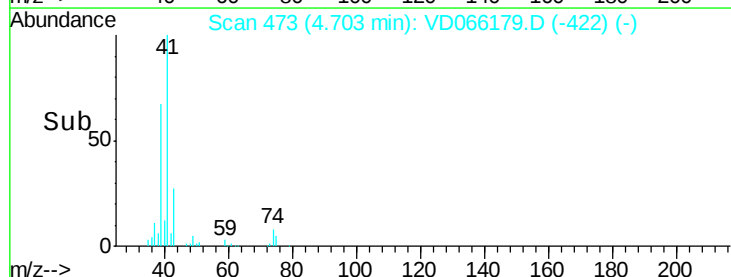
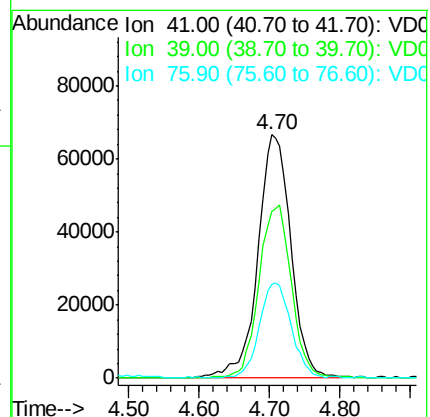
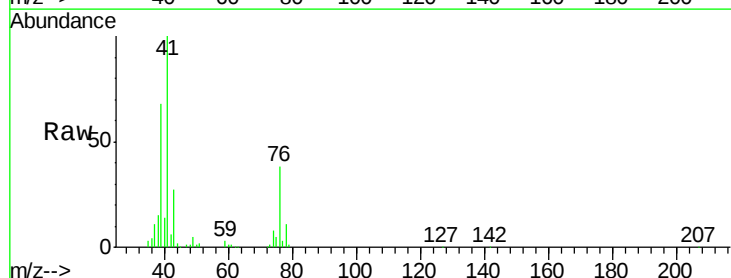
Tgt Ion: 41 Resp: 218511

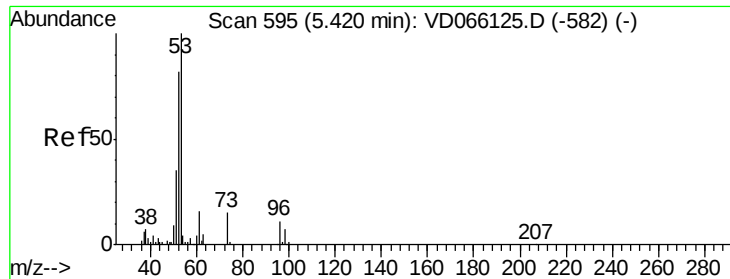
Ion Ratio Lower Upper

41 100

39 69.5 57.4 86.0

76 37.7 30.1 45.1





#15

Acrylonitrile

Concen: 238.008 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

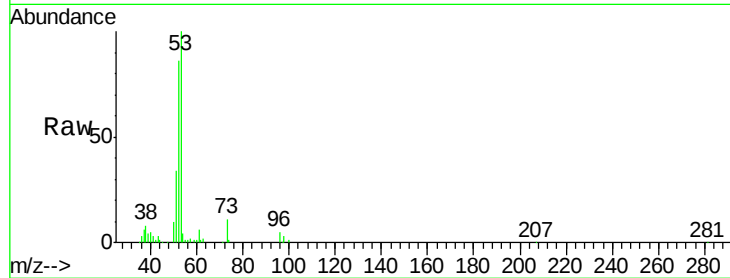
Tgt Ion: 53 Resp: 151585

Ion Ratio Lower Upper

53 100

52 80.2 66.1 99.1

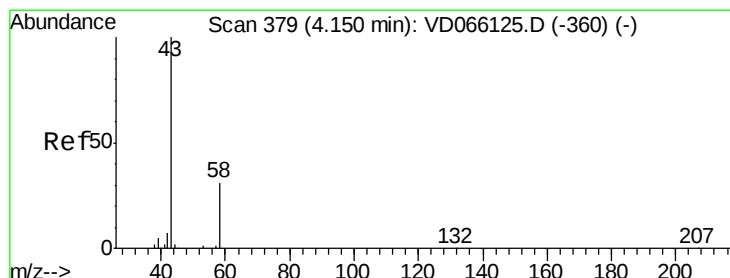
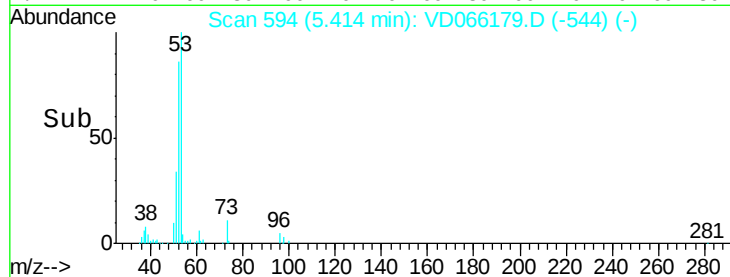
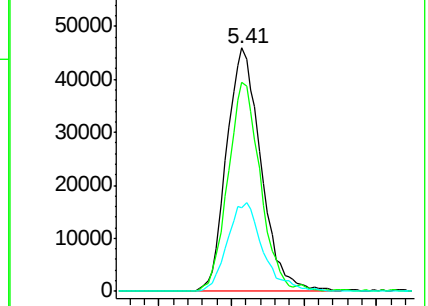
51 37.6 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 295.673 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066179.D

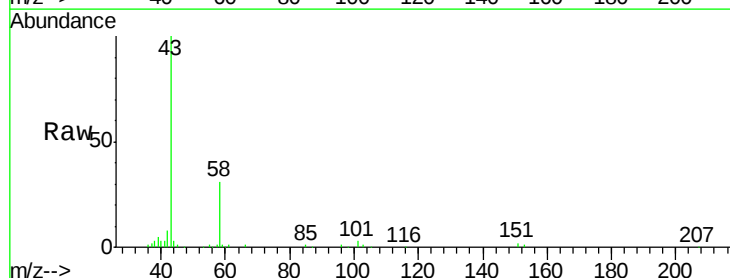
Acq: 11 Aug 2020 11:16

Tgt Ion: 43 Resp: 169481

Ion Ratio Lower Upper

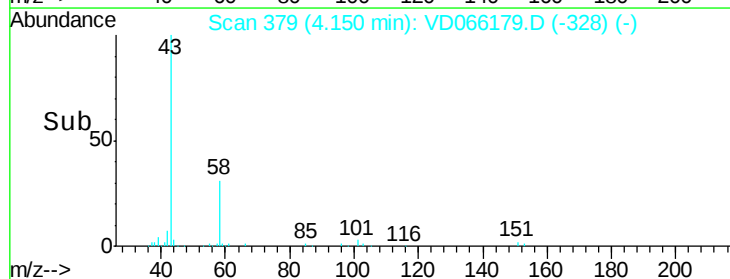
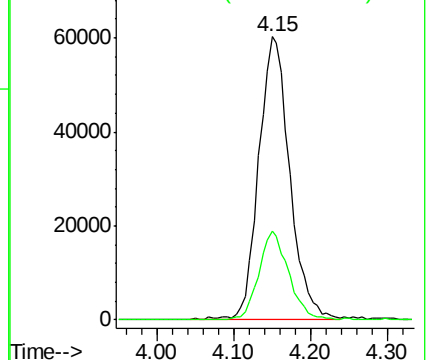
43 100

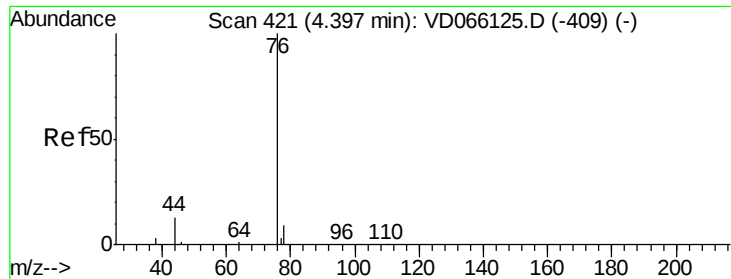
58 31.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

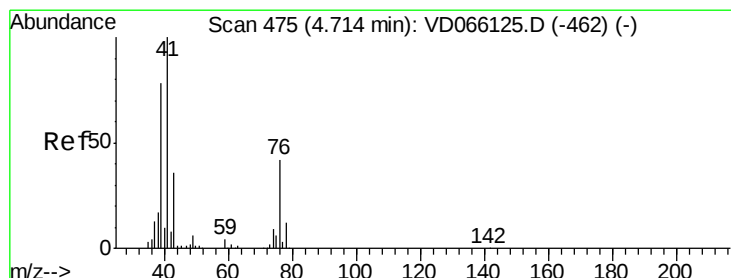
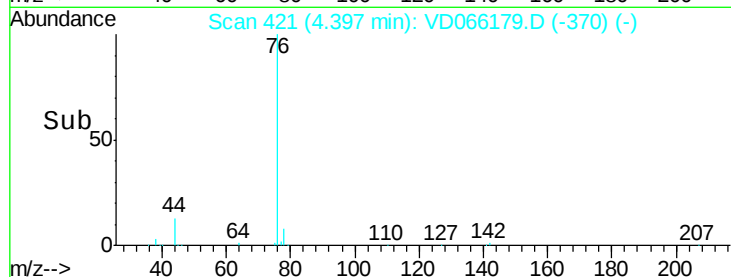
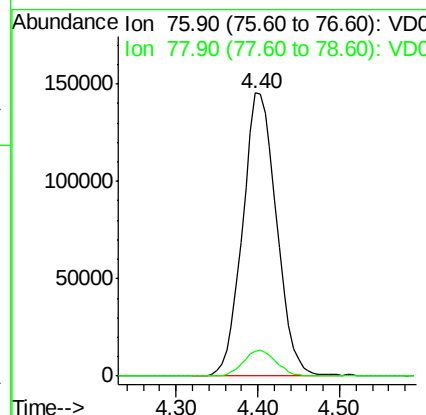
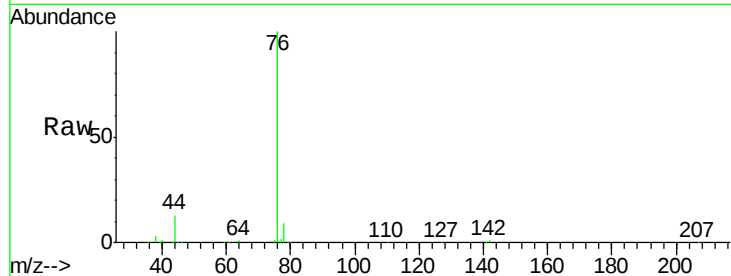




#17
Carbon Disulfide
Concen: 44.029 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

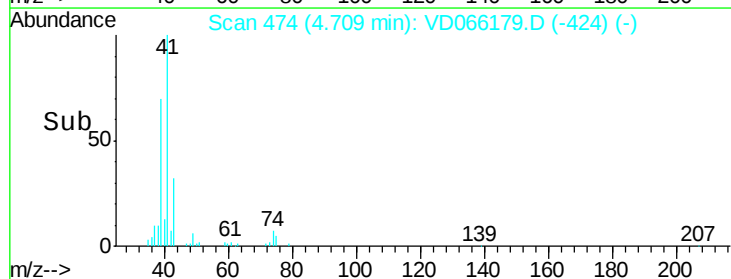
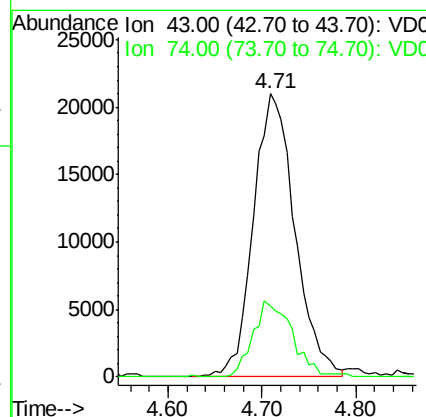
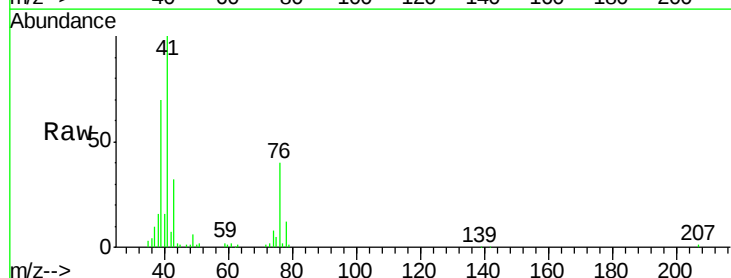
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

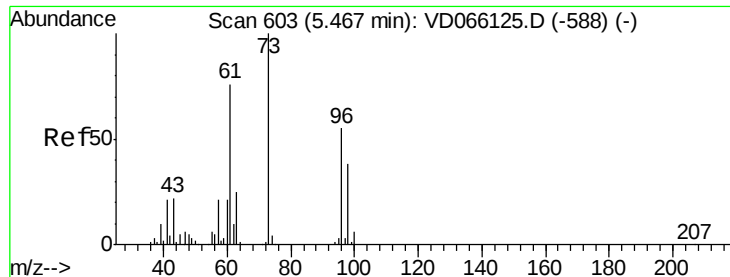
Tgt Ion: 76 Resp: 419807
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 44.131 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 43 Resp: 64253
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 45.602 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

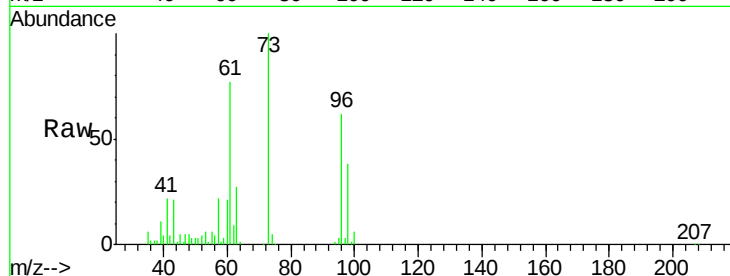
VSTDCCC050

Tgt Ion: 73 Resp: 313443

Ion Ratio Lower Upper

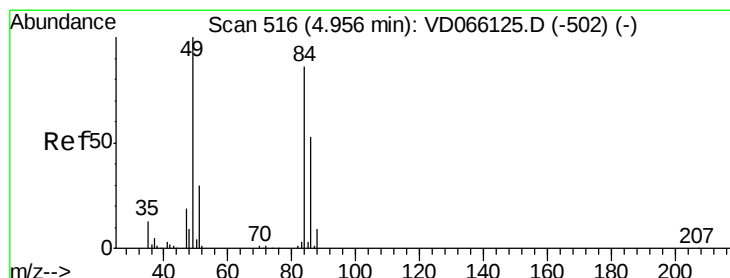
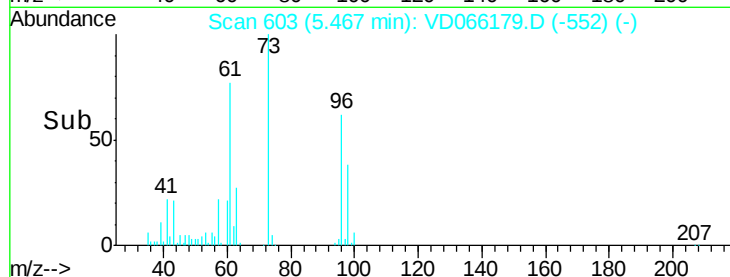
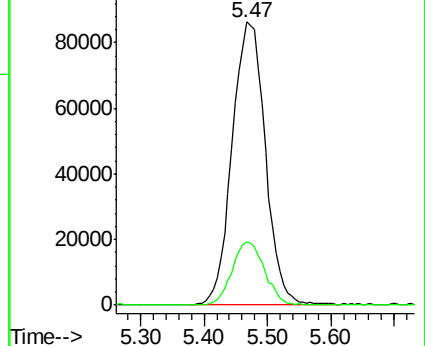
73 100

57 22.4 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 47.613 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion: 84 Resp: 157470

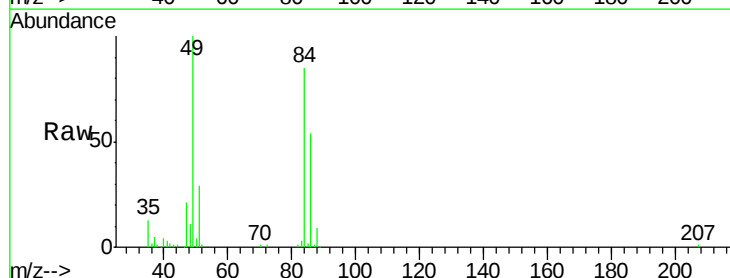
Ion Ratio Lower Upper

84 100

49 117.5 93.5 140.3

51 34.0 28.2 42.4

86 63.1 49.5 74.3

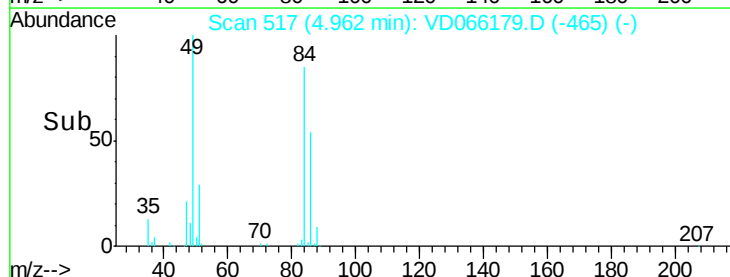
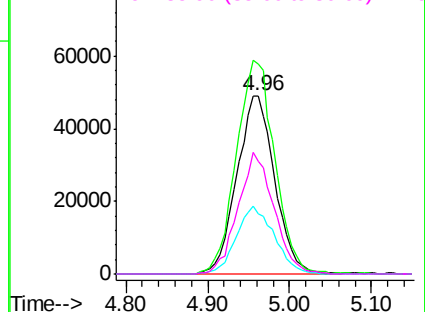


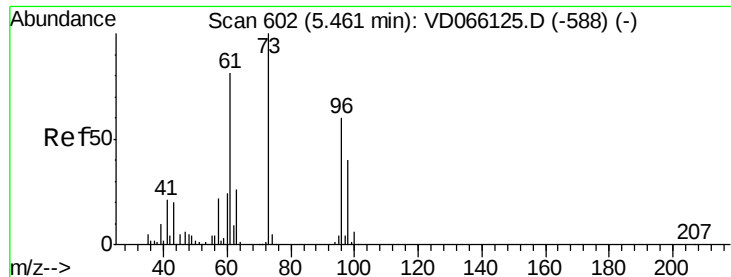
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 46.461 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

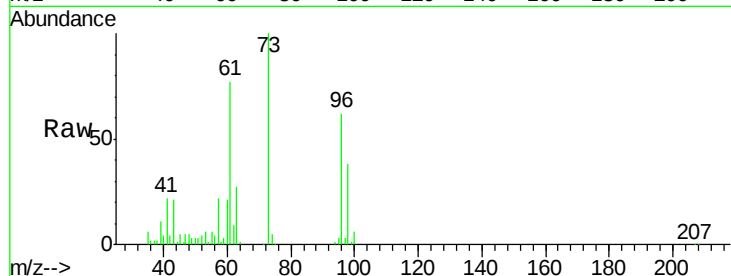
Tgt Ion: 96 Resp: 160056

Ion Ratio Lower Upper

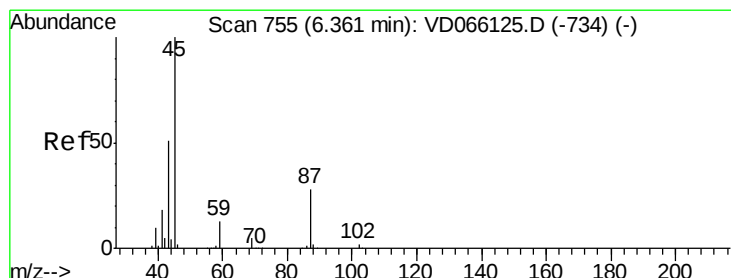
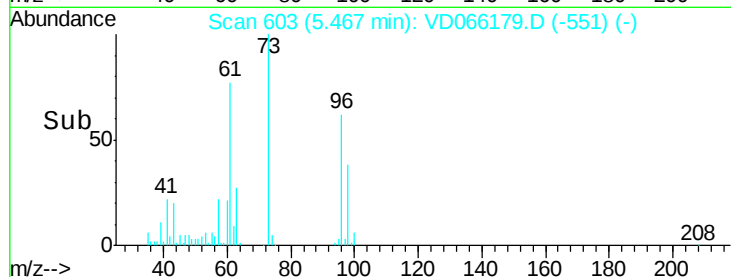
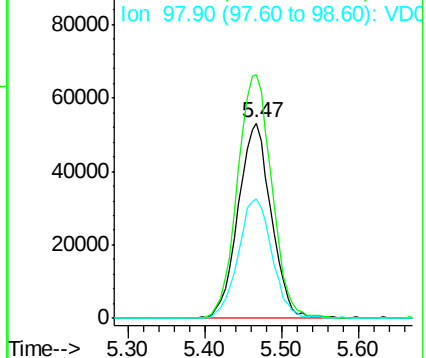
96 100

61 124.5 106.9 160.3

98 61.0 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: 47.189 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion: 45 Resp: 423947

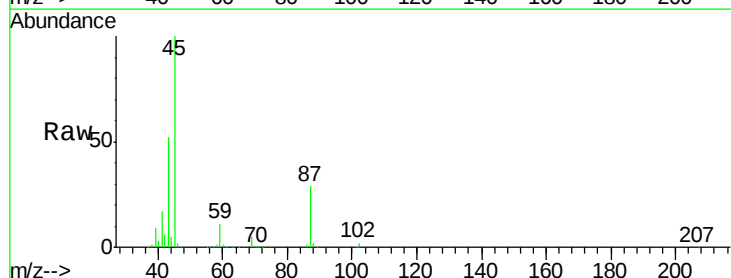
Ion Ratio Lower Upper

45 100

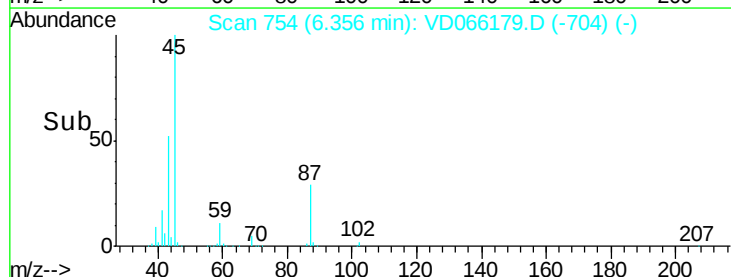
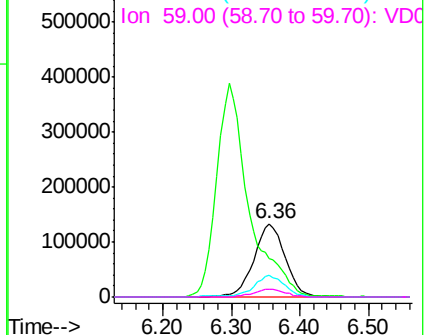
43 50.8 41.2 61.8

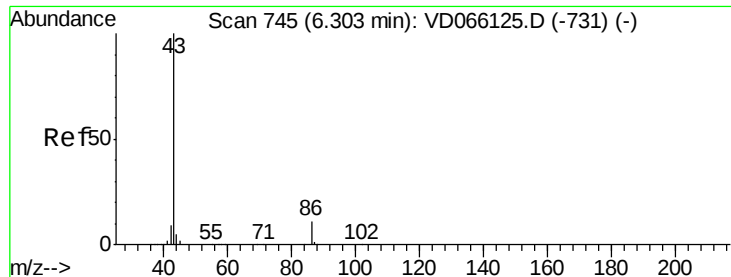
87 28.8 22.8 34.2

59 10.7 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: 242.533 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

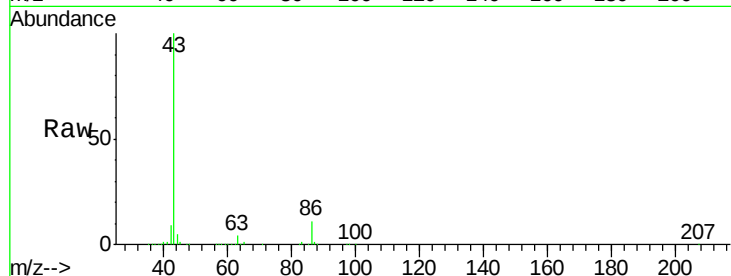
VSTDCCC050

Tgt Ion: 43 Resp: 1276512

Ion Ratio Lower Upper

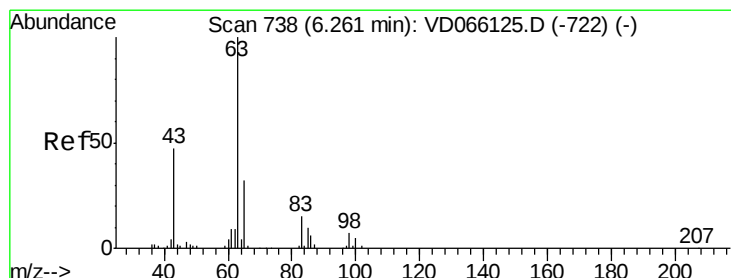
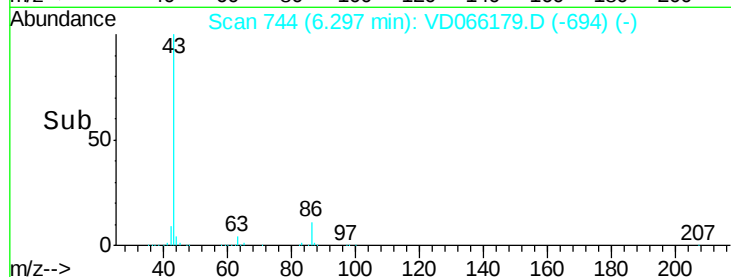
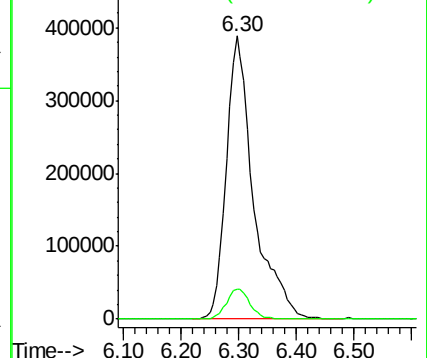
43 100

86 10.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.194 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

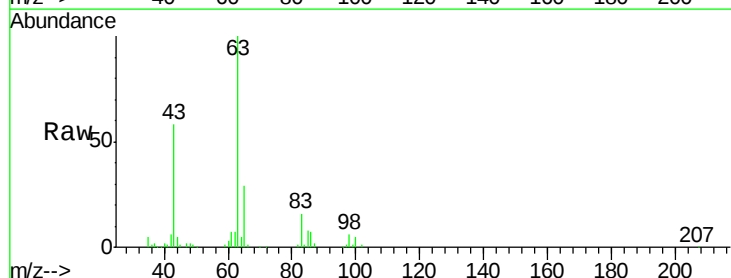
Tgt Ion: 63 Resp: 256834

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

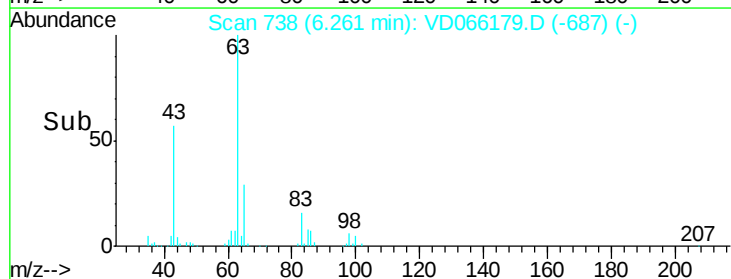
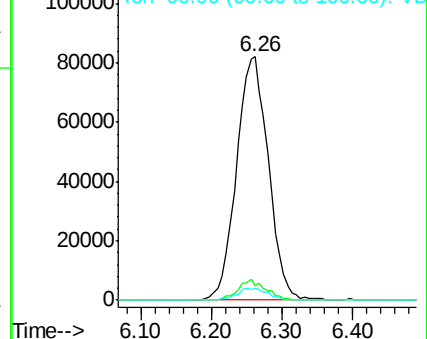
100 5.1 2.4 7.2

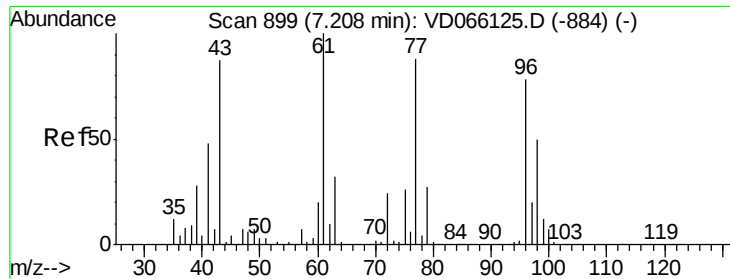


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 240.588 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

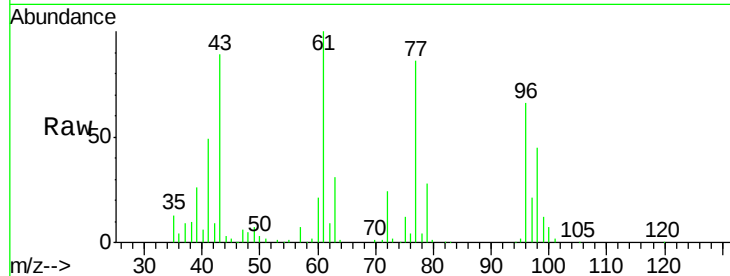
VSTDCCC050

Tgt Ion: 43 Resp: 202834

Ion Ratio Lower Upper

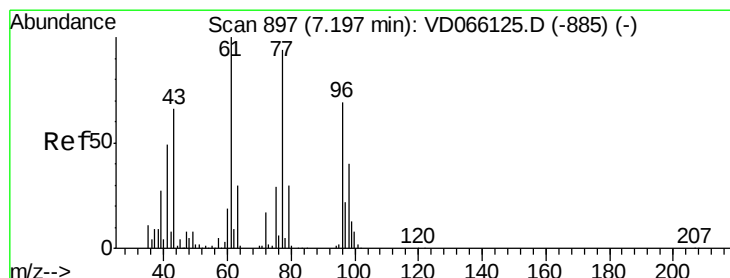
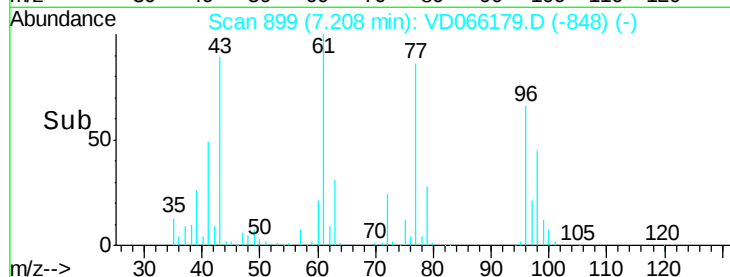
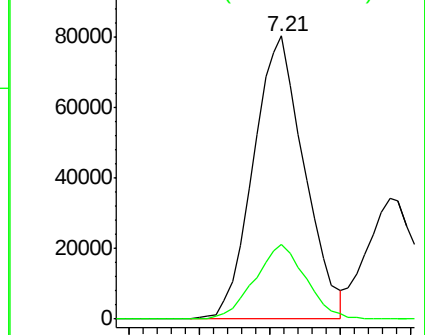
43 100

72 26.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.666 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066179.D

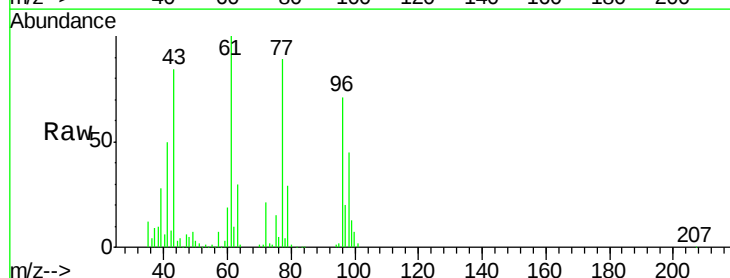
Acq: 11 Aug 2020 11:16

Tgt Ion: 77 Resp: 242514

Ion Ratio Lower Upper

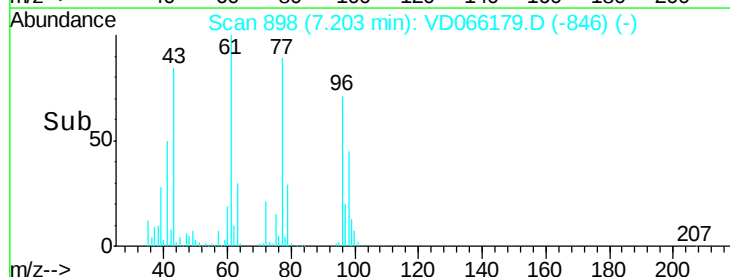
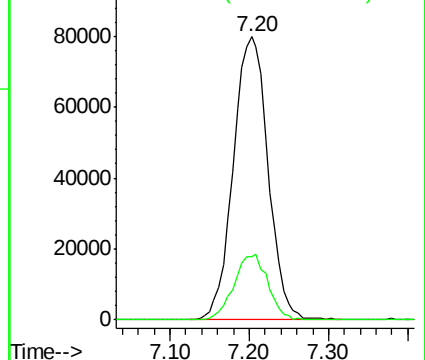
77 100

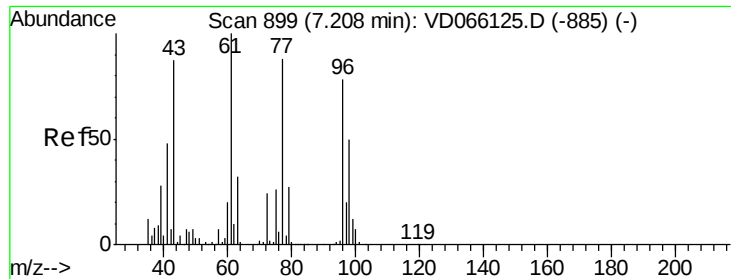
97 22.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



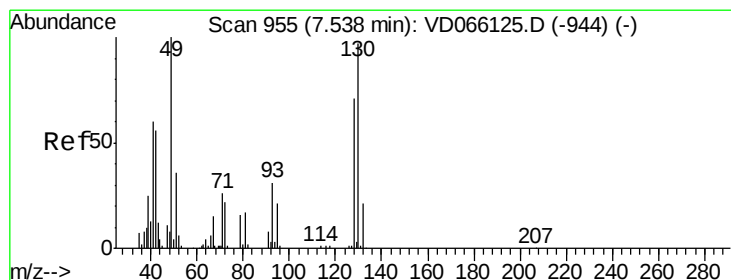
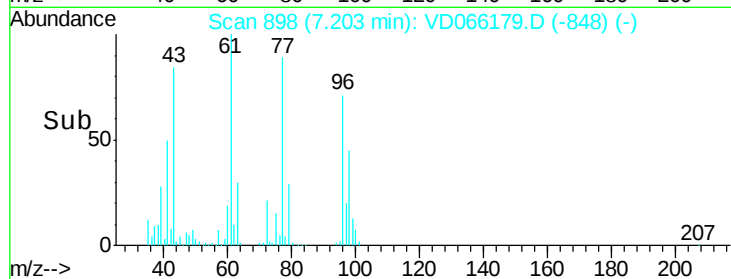
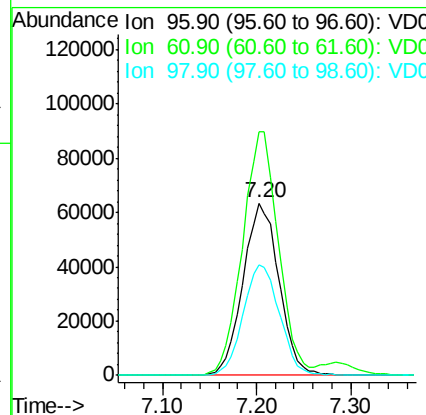
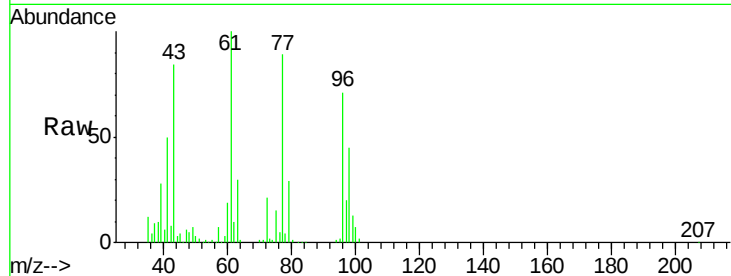


#27

cis-1,2-Dichloroethene
 Concen: 46.632 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

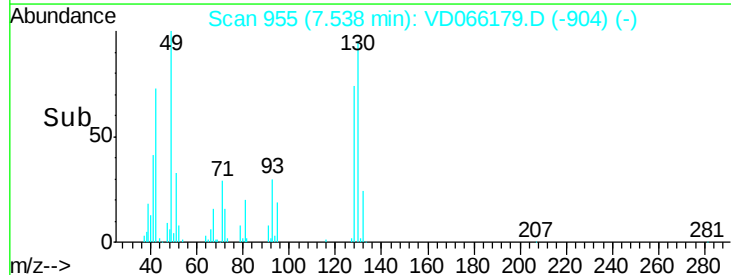
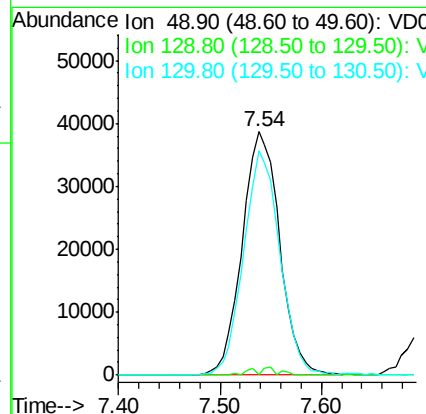
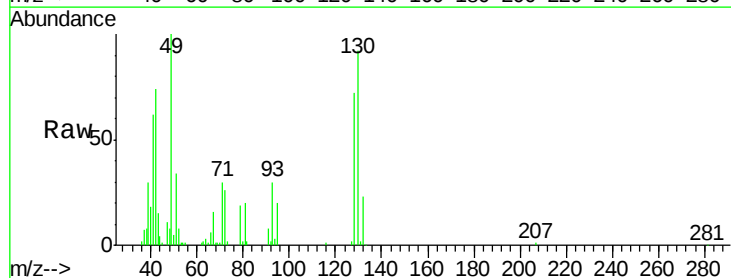
Tgt Ion: 96 Resp: 168497
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 281.6
 98 65.1 0.0 130.8

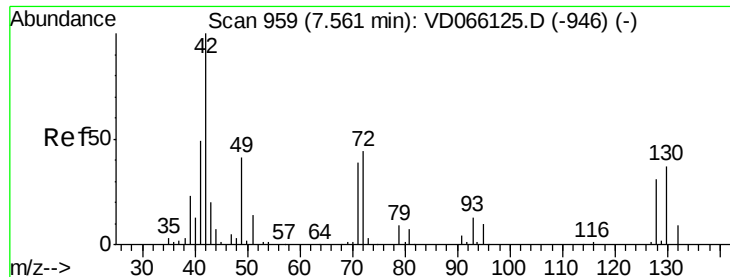


#28

Bromochloromethane
 Concen: 51.071 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 49 Resp: 99731
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 6.0
 130 88.9 73.8 110.6

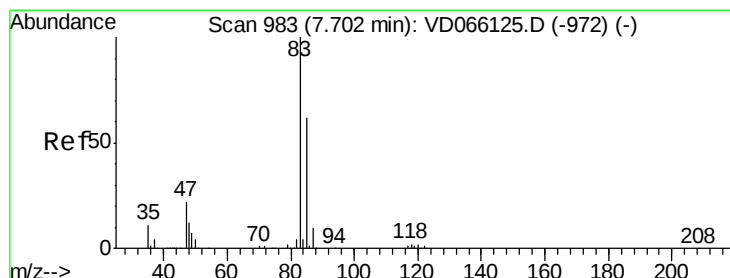
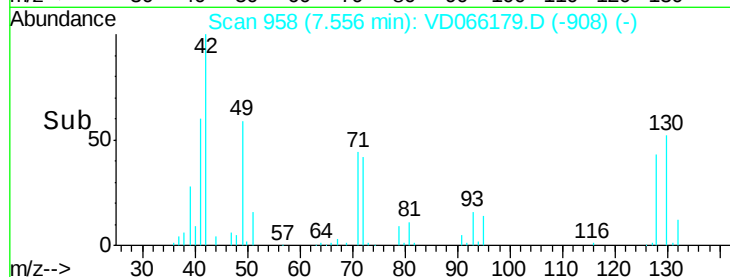
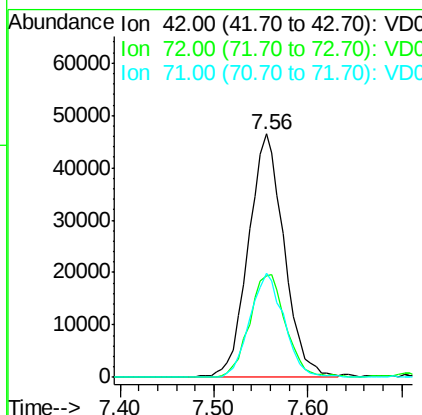
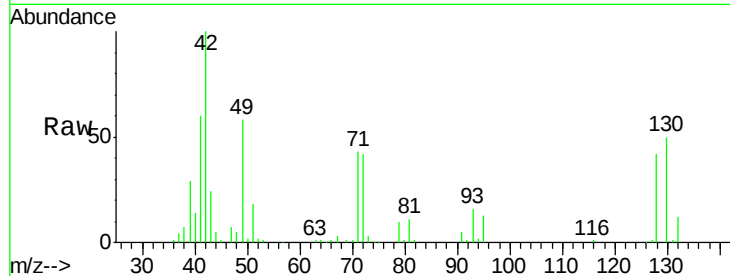




#29
Tetrahydrofuran
Concen: 233.721 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

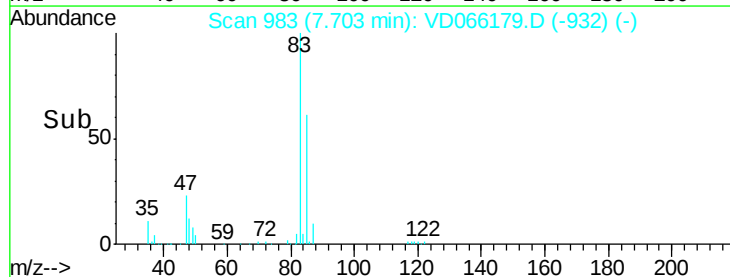
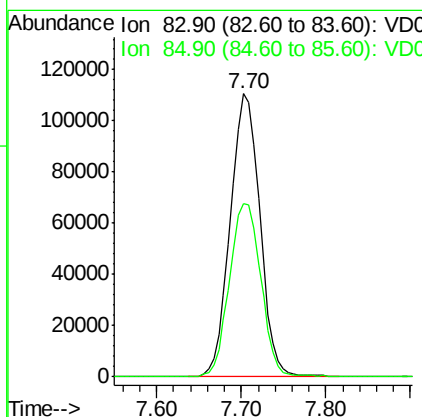
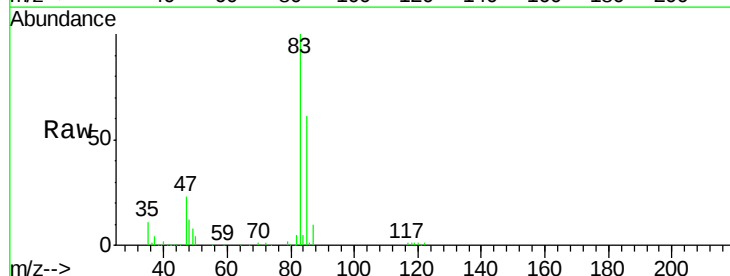
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

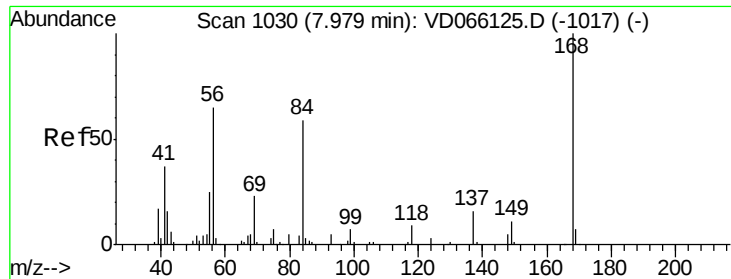
Tgt Ion: 42 Resp: 122082
Ion Ratio Lower Upper
42 100
72 43.0 34.8 52.2
71 41.1 33.5 50.3



#30
Chloroform
Concen: 46.008 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 83 Resp: 268600
Ion Ratio Lower Upper
83 100
85 61.3 49.5 74.3

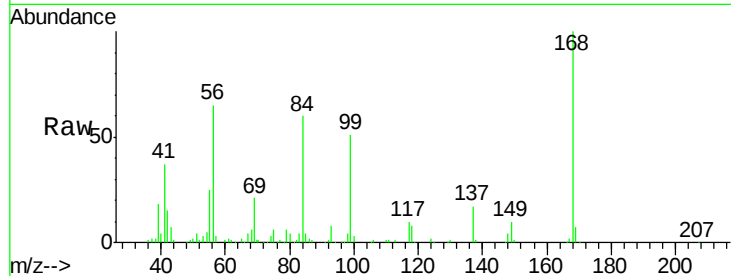




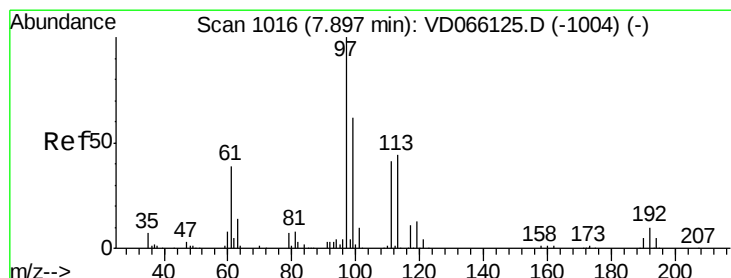
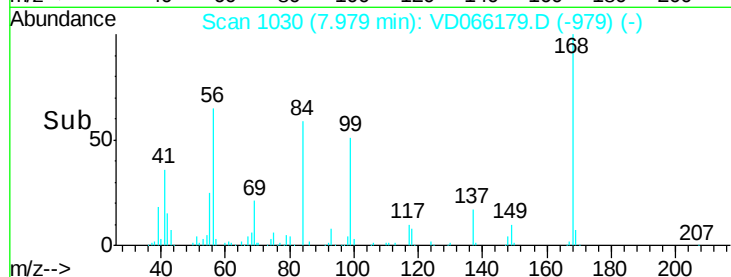
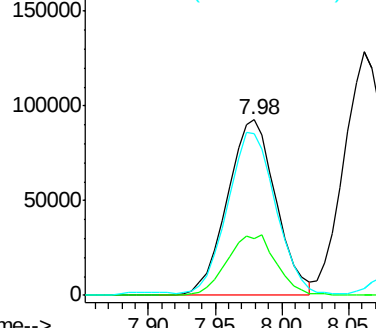
#31
Cyclohexane
Concen: 44.234 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 234113
Ion Ratio Lower Upper
56 100
69 32.4 28.8 43.2
84 90.9 73.0 109.6

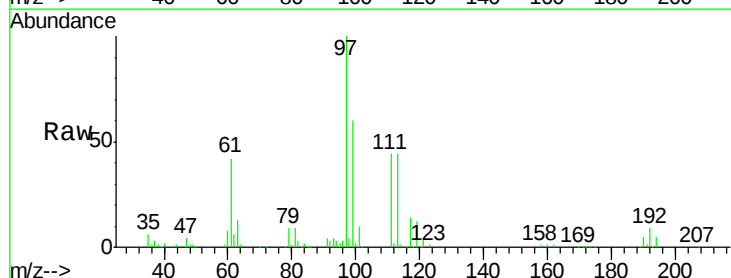


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

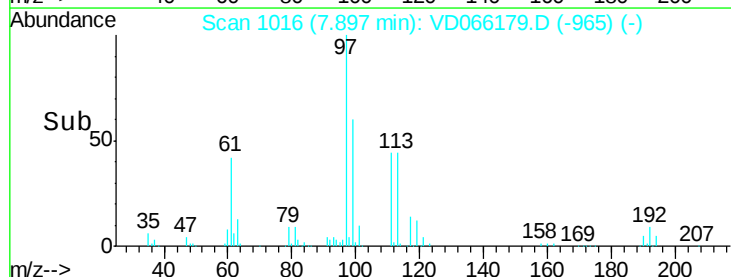
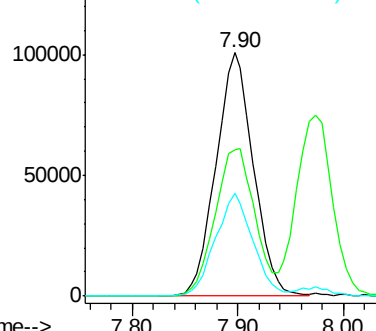


#32
1,1,1-Trichloroethane
Concen: 45.451 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 97 Resp: 248794
Ion Ratio Lower Upper
97 100
99 65.0 51.1 76.7
61 42.3 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

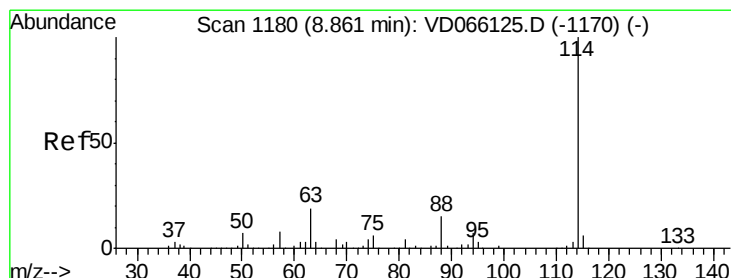
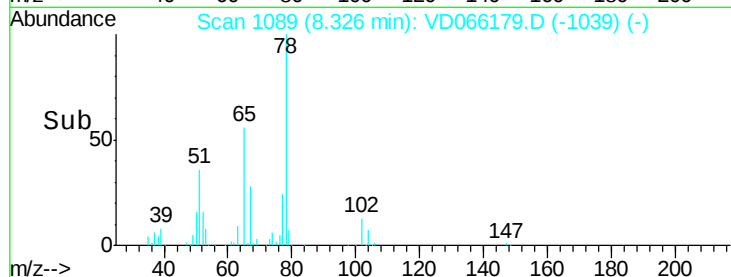
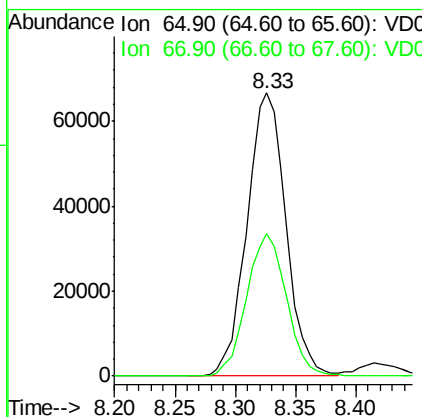
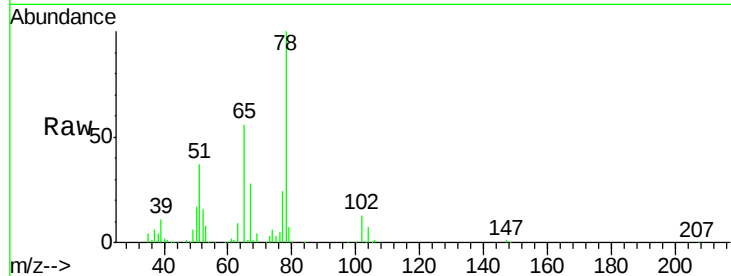




#33
 1,2-Dichloroethane-d4
 Concen: 49.779 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

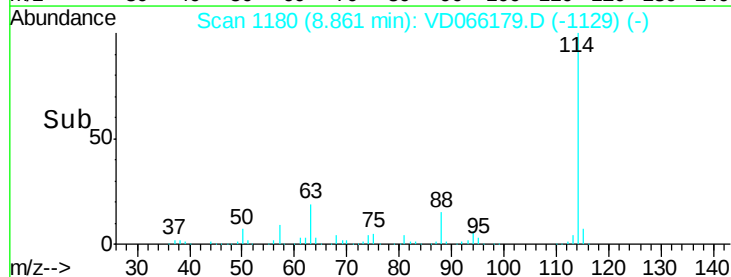
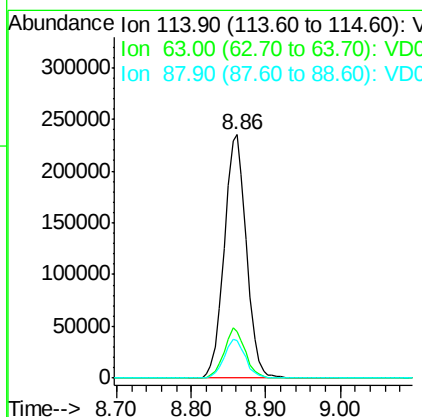
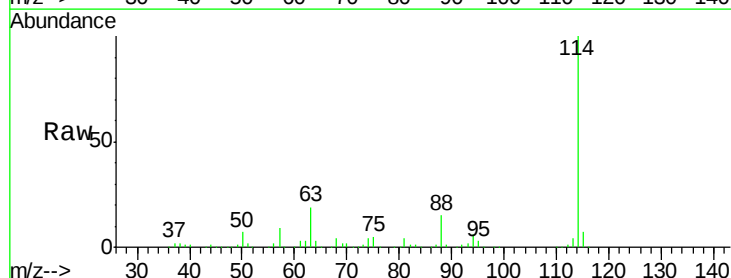
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

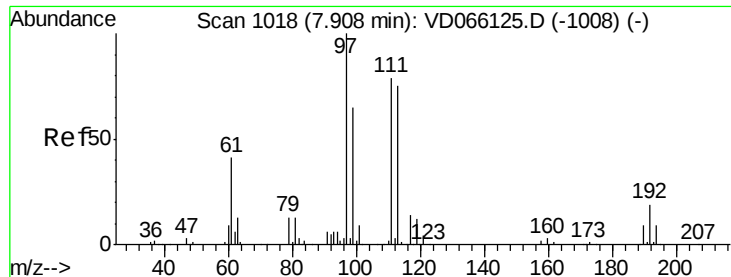
Tgt Ion: 65 Resp: 150380
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 114 Resp: 485550
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.2 0.0 30.0

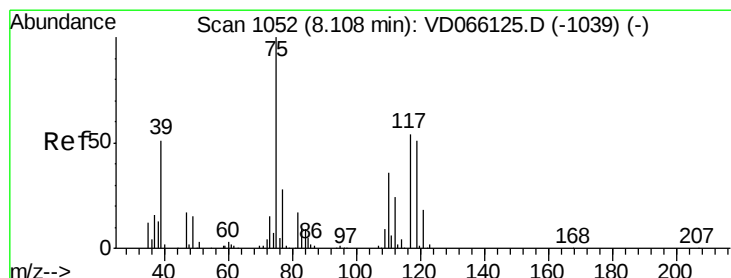
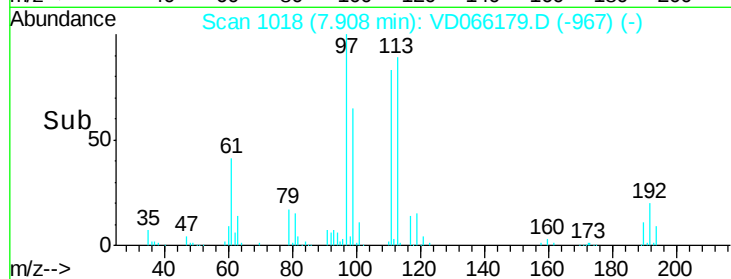
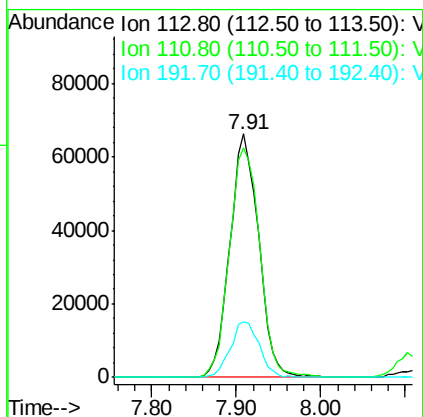
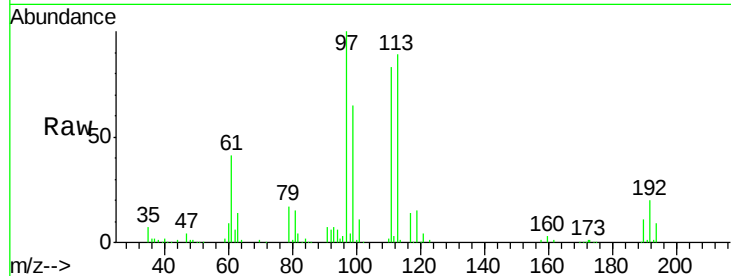




#35
Dibromofluoromethane
Concen: 50.571 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

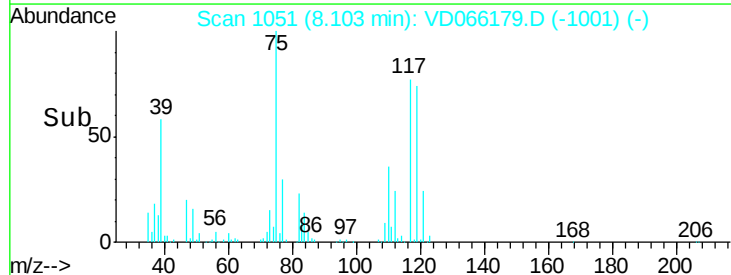
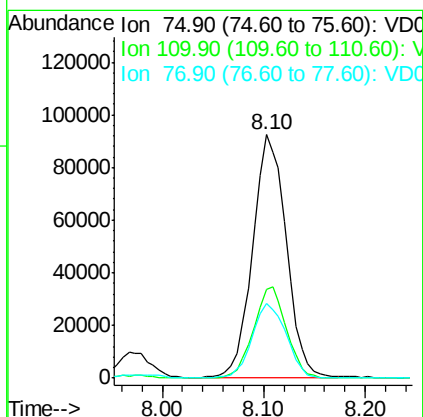
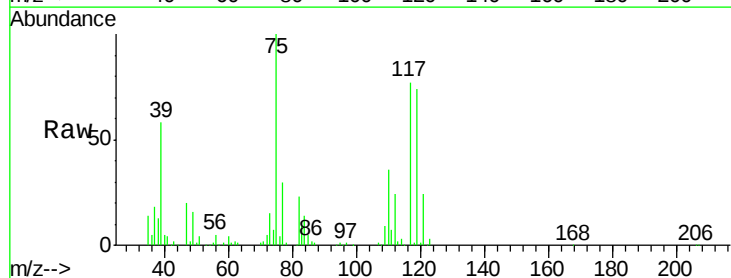
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

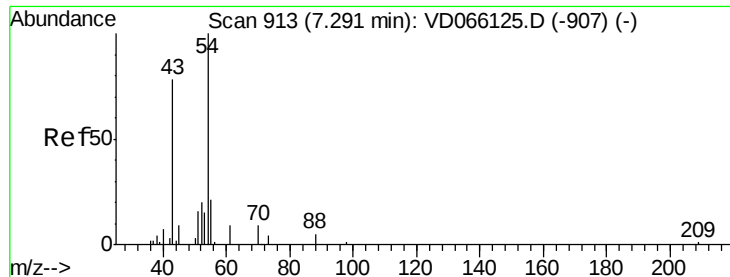
Tgt Ion:113 Resp: 155551
Ion Ratio Lower Upper
113 100
111 99.4 80.7 121.1
192 22.9 18.4 27.6



#36
1,1-Dichloropropene
Concen: 46.736 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 75 Resp: 213243
Ion Ratio Lower Upper
75 100
110 36.7 18.8 56.3
77 31.4 24.2 36.2

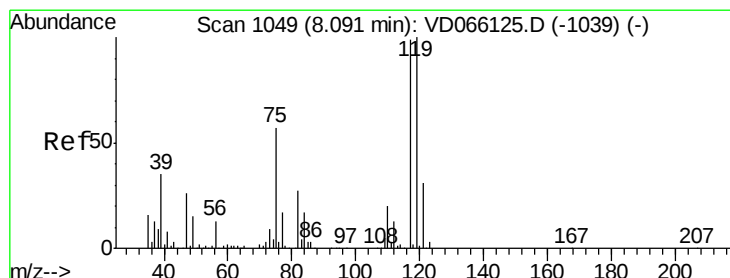
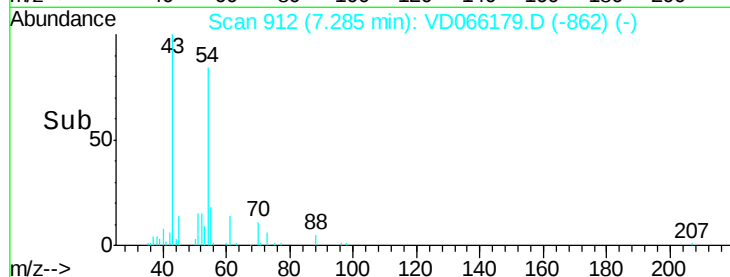
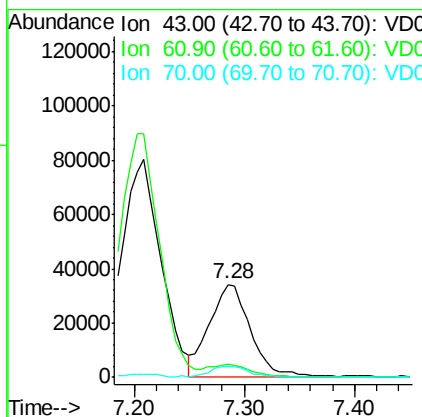
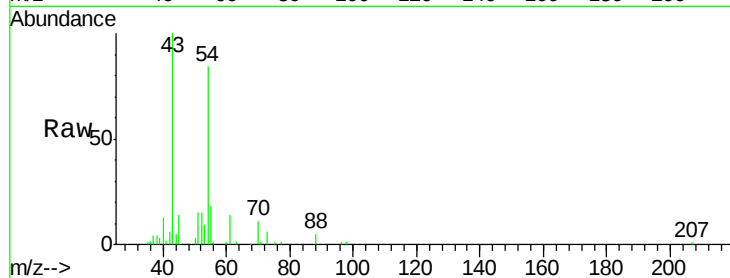




#37
Ethyl Acetate
Concen: 48.282 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

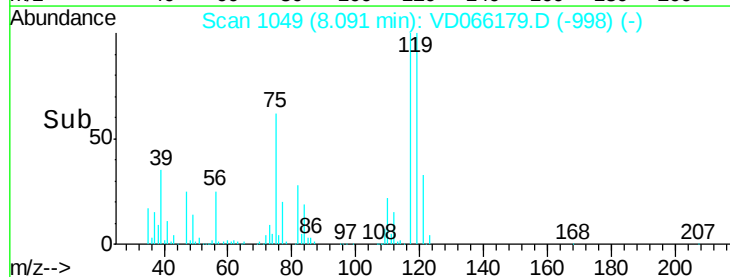
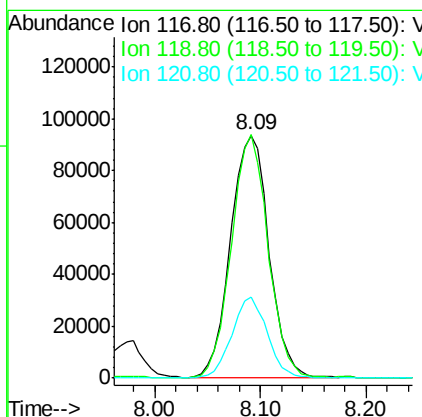
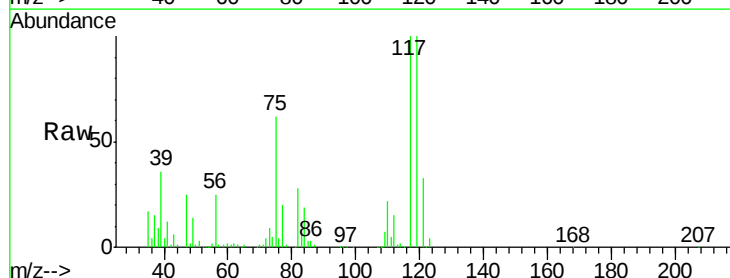
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

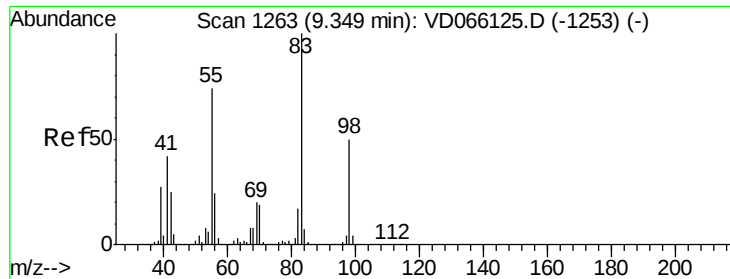
Tgt Ion: 43 Resp: 87285
Ion Ratio Lower Upper
43 100
61 13.2 12.0 18.0
70 11.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 46.271 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 117 Resp: 235430
Ion Ratio Lower Upper
117 100
119 100.1 81.0 121.4
121 33.6 24.8 37.2

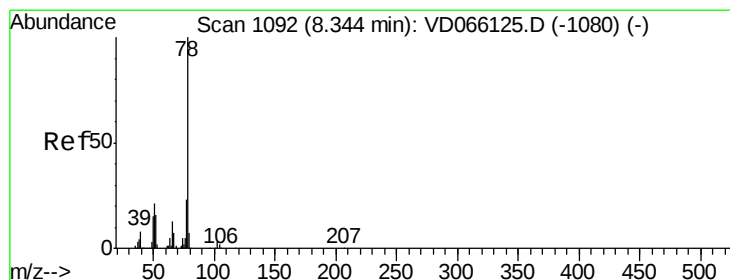
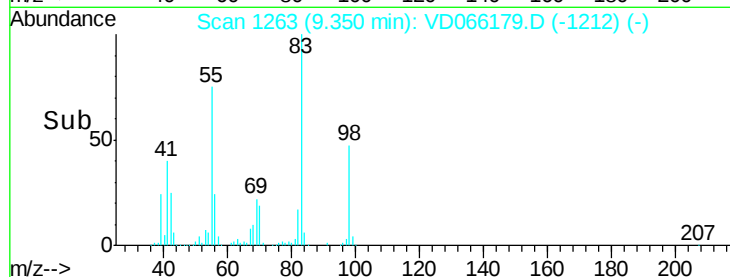
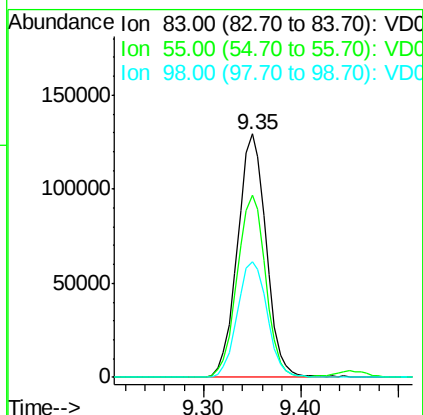
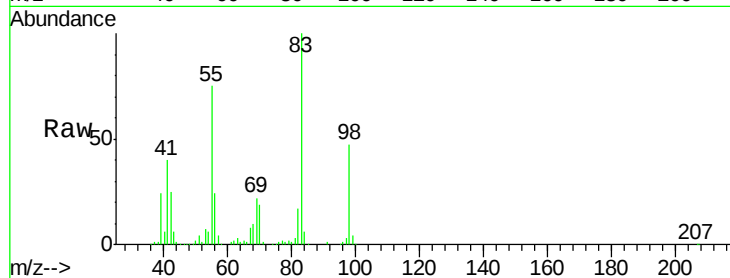




#39
Methylcyclohexane
Concen: 48.120 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

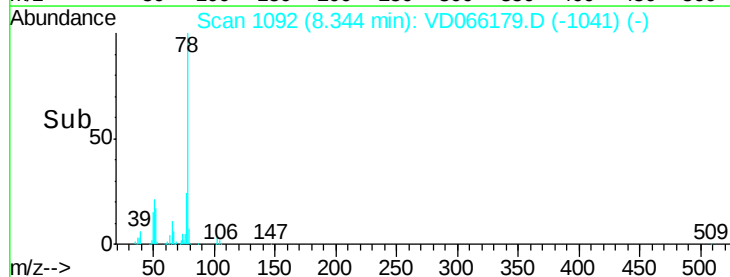
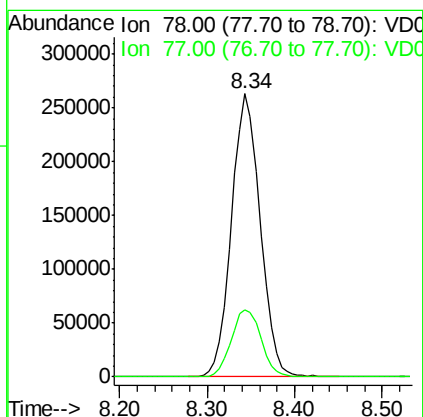
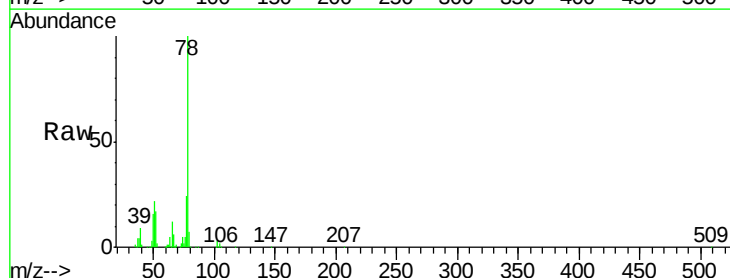
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

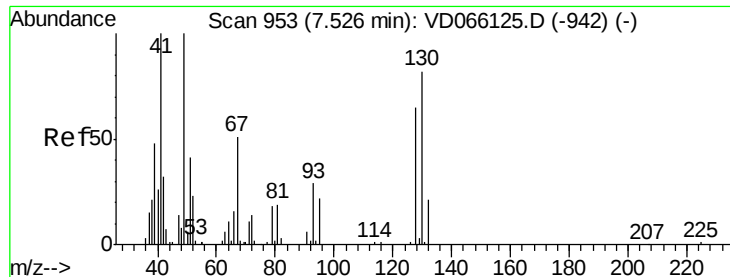
Tgt Ion: 83 Resp: 265409
Ion Ratio Lower Upper
83 100
55 74.7 59.2 88.8
98 47.4 39.8 59.6



#40
Benzene
Concen: 46.239 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 78 Resp: 585263
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8

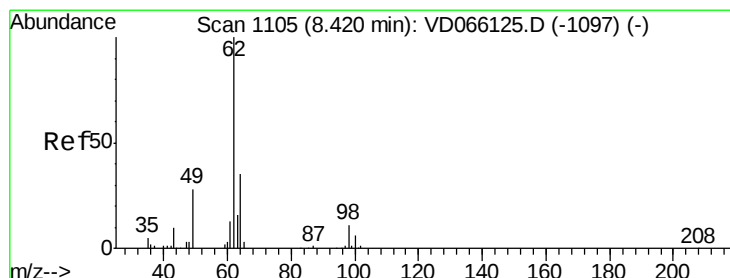
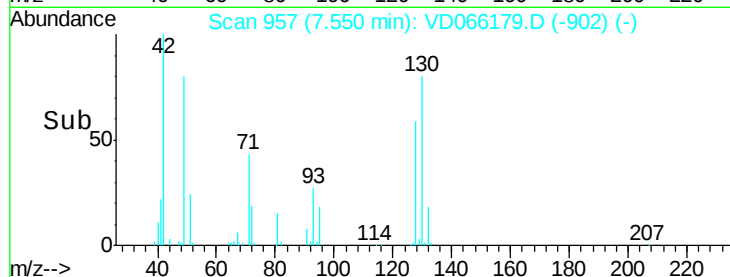
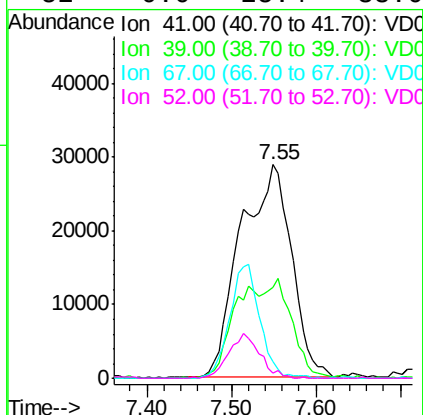
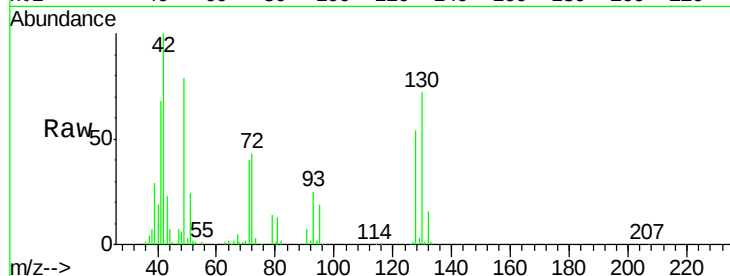




#41
Methacrylonitrile
Concen: 112.601 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.02 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

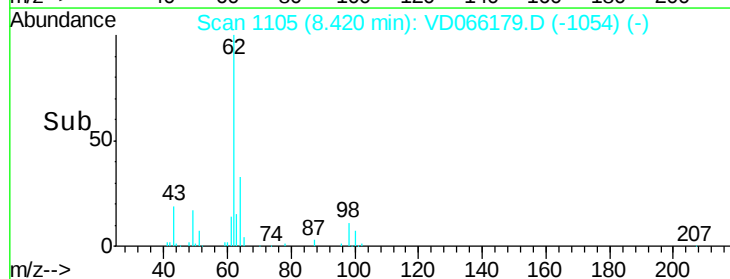
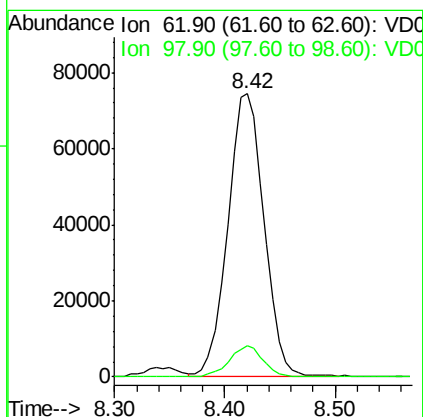
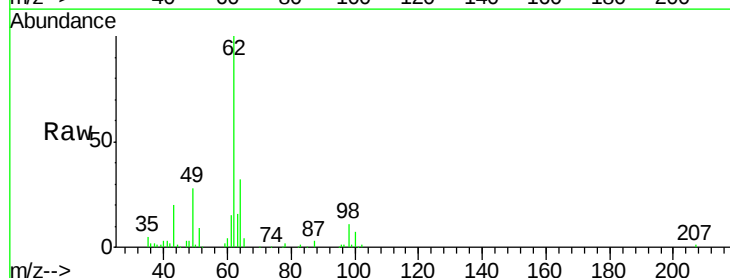
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

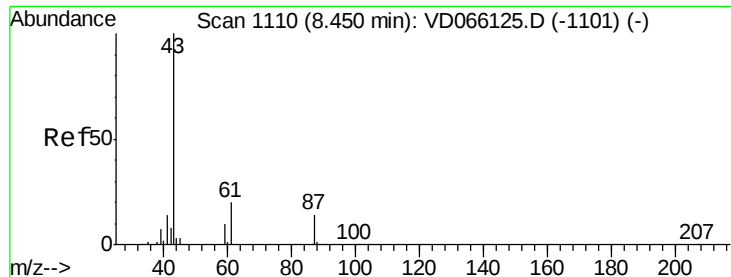
Tgt Ion:	41	Resp:	119687
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#



#42
1,2-Dichloroethane
Concen: 46.049 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion:	62	Resp:	171225
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 47.100 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

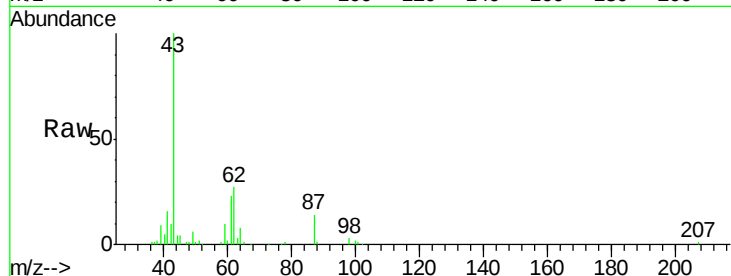
Tgt Ion: 43 Resp: 167767

Ion Ratio Lower Upper

43 100

61 31.0 25.5 38.3

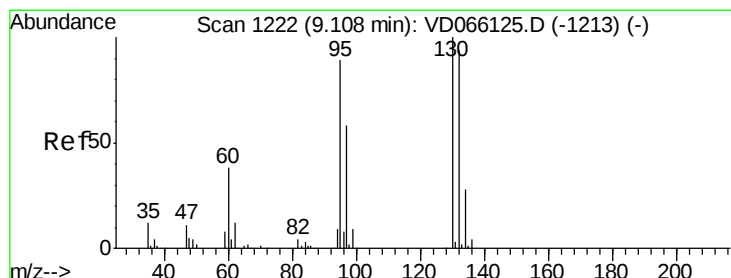
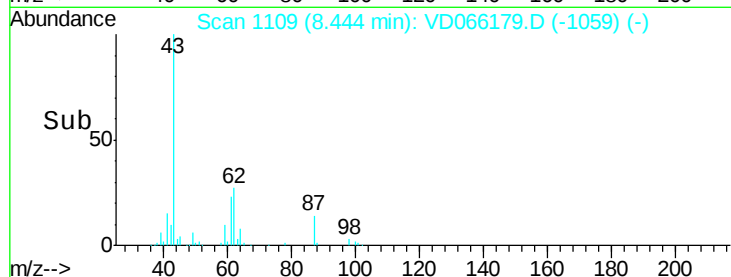
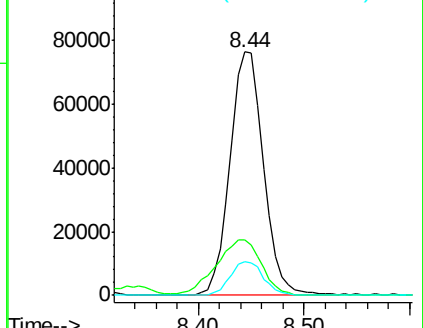
87 14.0 11.2 16.8



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: 46.492 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066179.D

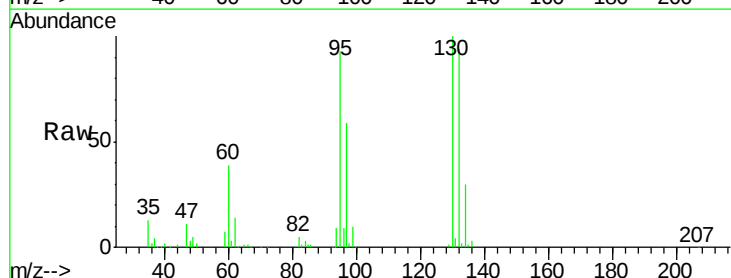
Acq: 11 Aug 2020 11:16

Tgt Ion: 130 Resp: 177324

Ion Ratio Lower Upper

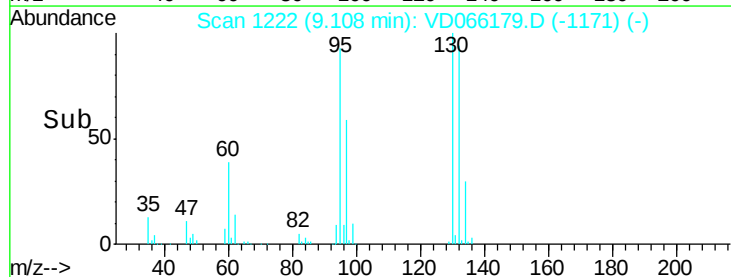
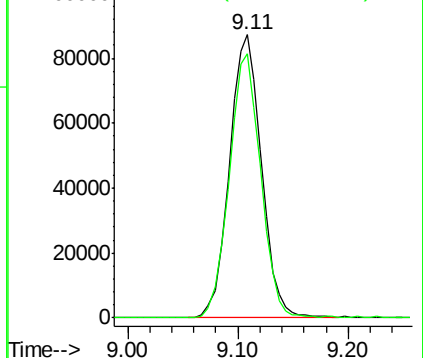
130 100

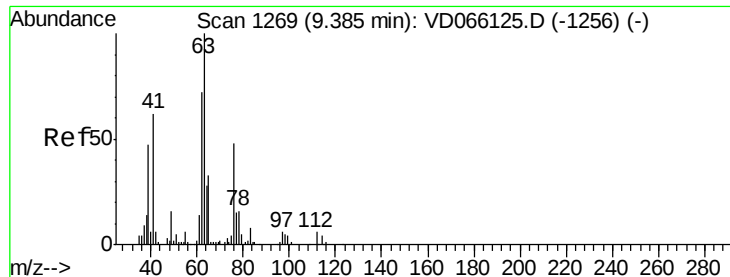
95 93.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

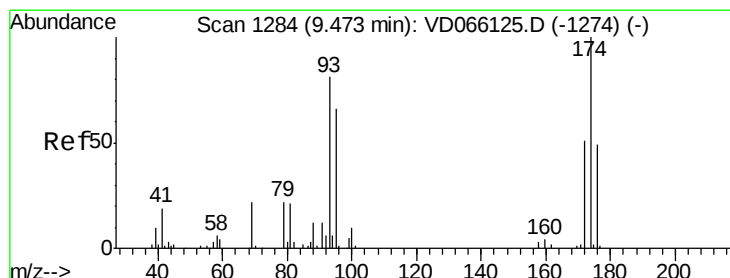
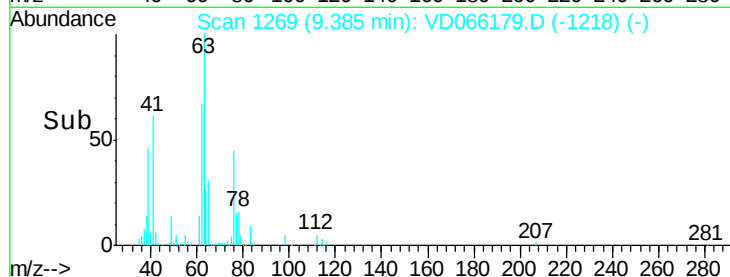
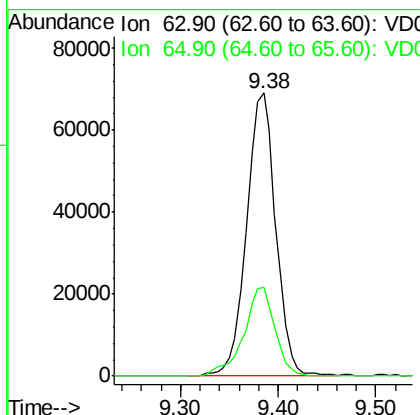
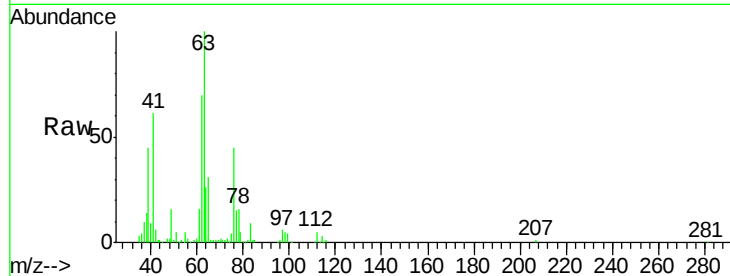




#45
 1,2-Dichloropropane
 Concen: 46.979 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

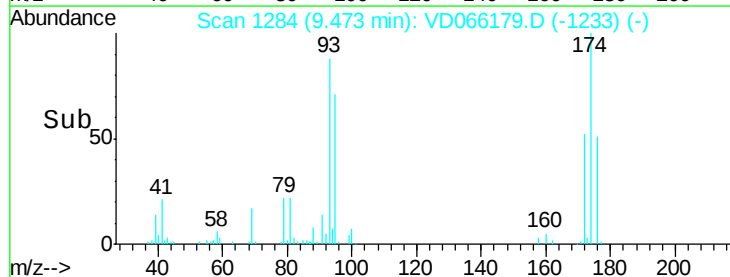
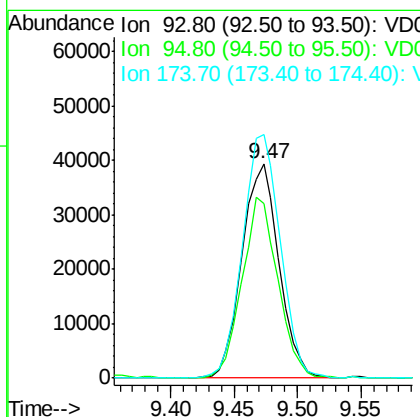
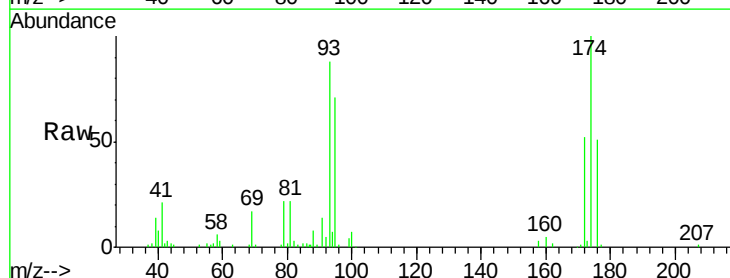
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

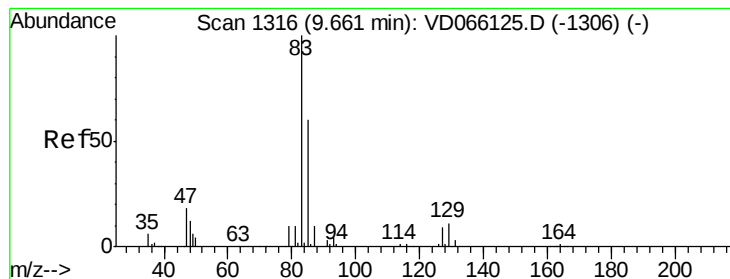
Tgt Ion: 63 Resp: 145431
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.5 39.7



#46
 Dibromomethane
 Concen: 47.024 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 93 Resp: 80184
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.8 98.6
 174 115.8 92.8 139.2





#47

Bromodichloromethane

Concen: 46.067 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

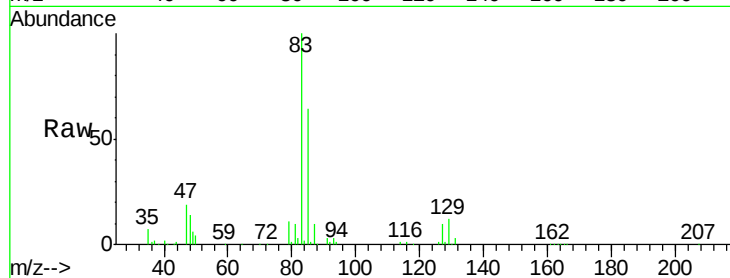
Tgt Ion: 83 Resp: 207611

Ion Ratio Lower Upper

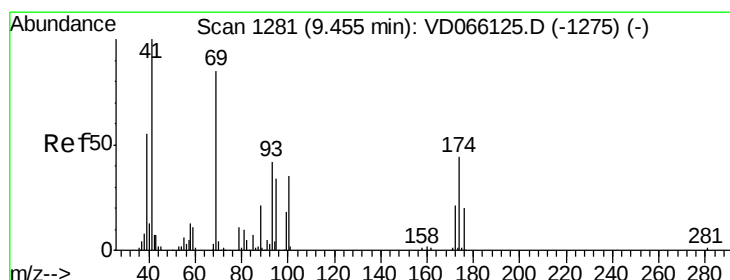
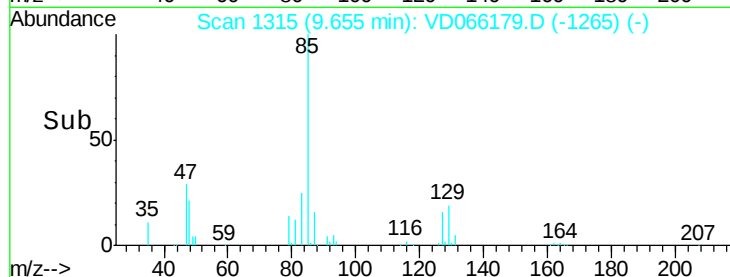
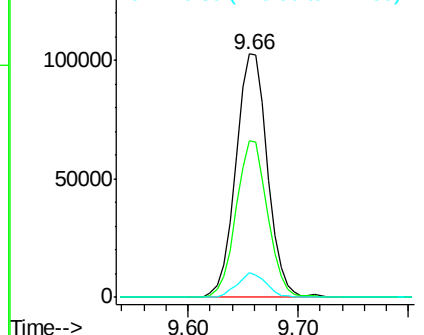
83 100

85 64.2 48.2 72.4

127 10.4 7.3 10.9



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



#48

Methyl methacrylate

Concen: 48.392 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

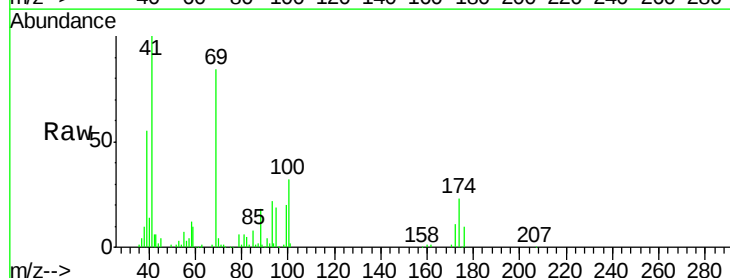
Tgt Ion: 41 Resp: 88014

Ion Ratio Lower Upper

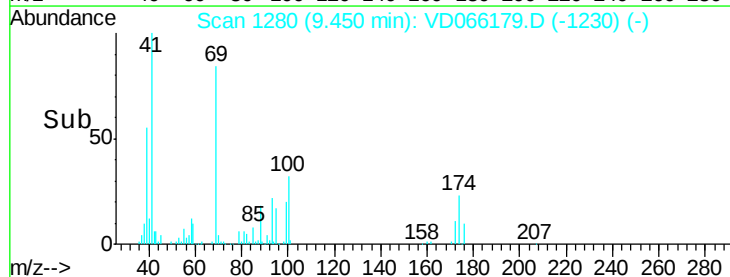
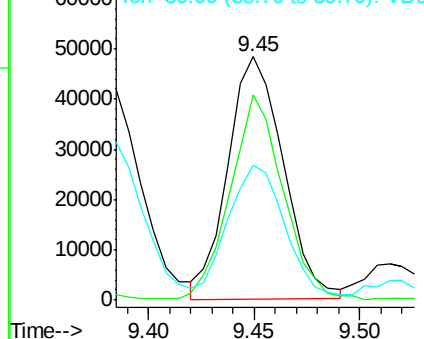
41 100

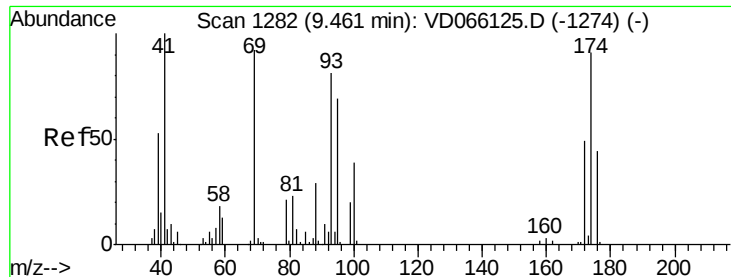
69 79.5 63.9 95.9

39 52.8 42.6 64.0



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

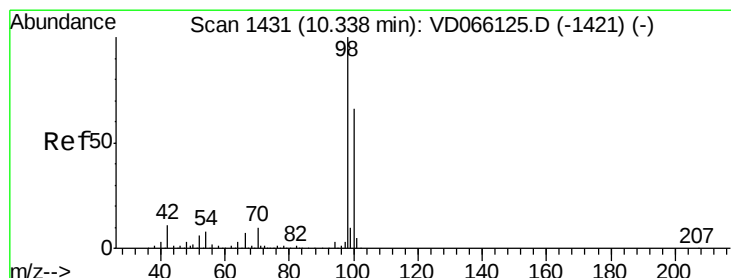
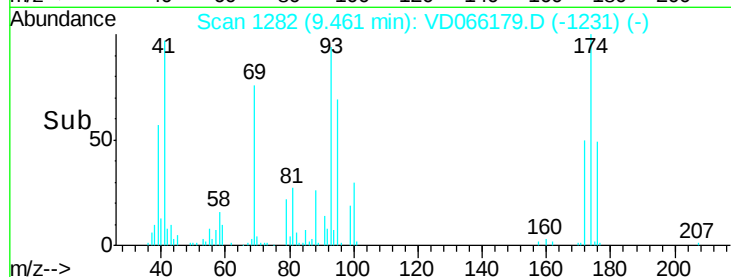
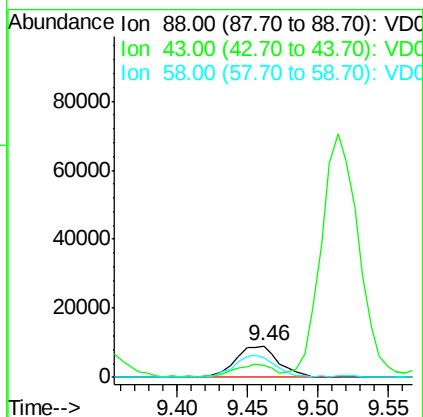
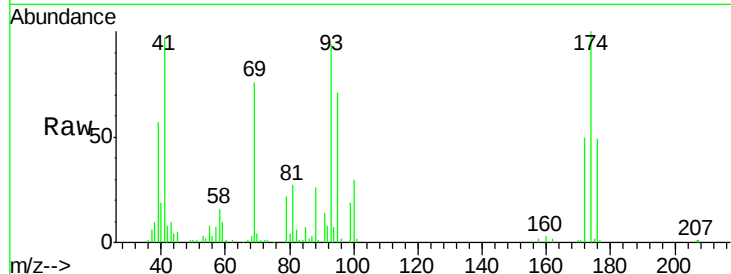




#49
 1,4-Dioxane
 Concen: 879.355 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

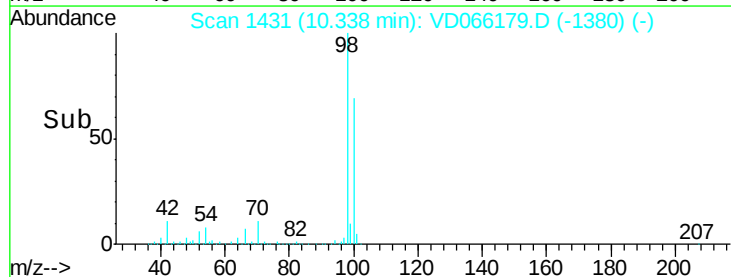
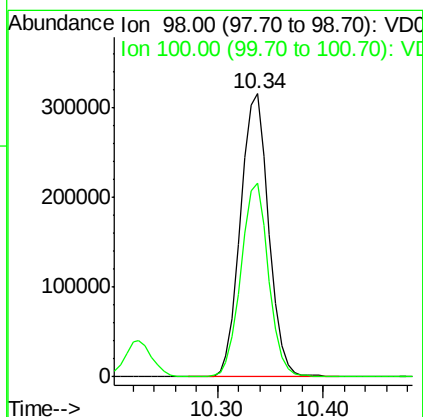
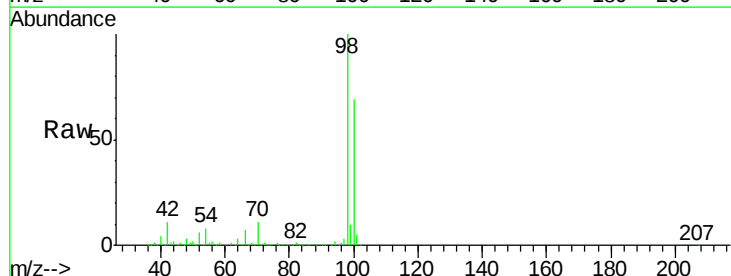
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

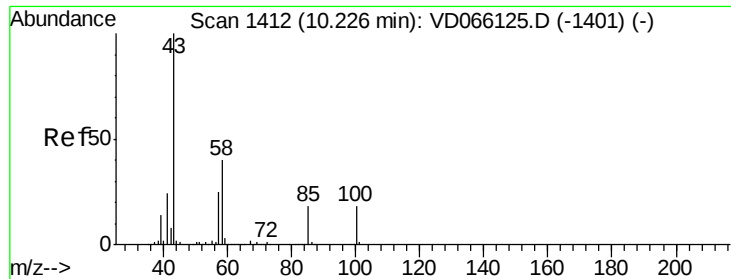
Tgt Ion: 88 Resp: 19264
 Ion Ratio Lower Upper
 88 100
 43 34.1 27.5 41.3
 58 66.9 50.2 75.4



#50
 Toluene-d8
 Concen: 51.372 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 98 Resp: 583119
 Ion Ratio Lower Upper
 98 100
 100 67.4 52.6 78.8

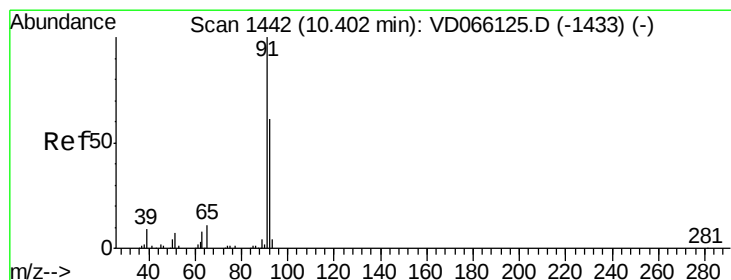
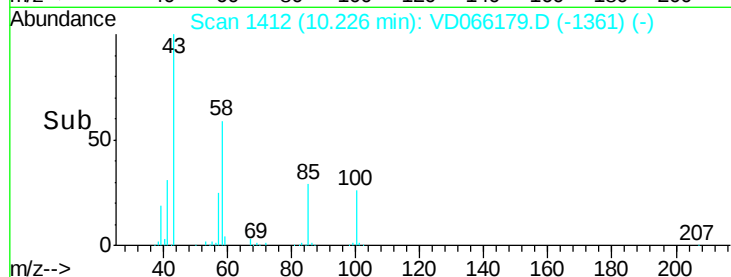
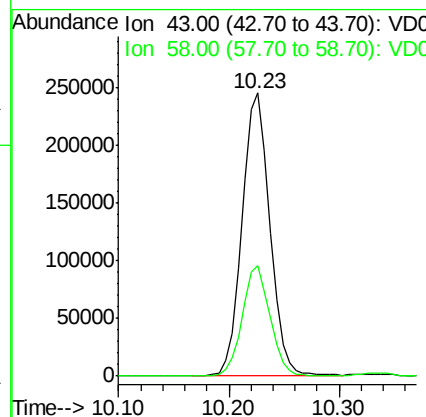
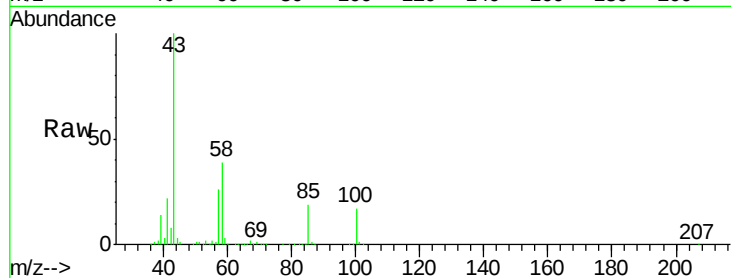




#51
 4-Methyl-2-Pentanone
 Concen: 237.975 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

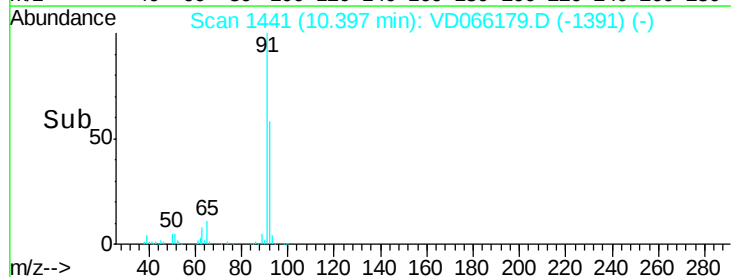
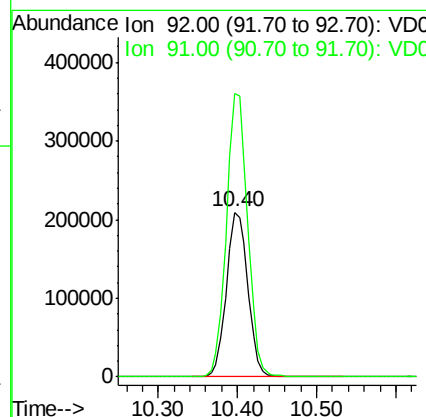
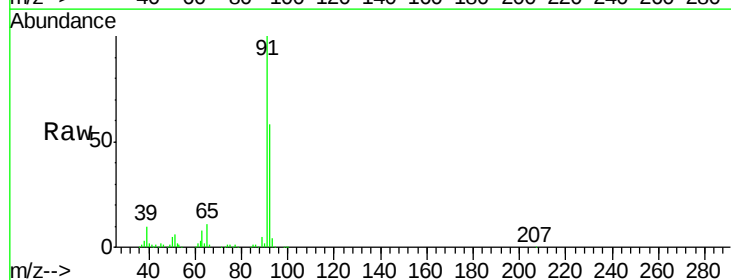
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

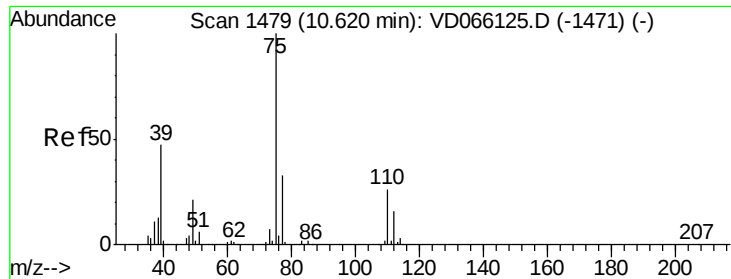
Tgt Ion: 43 Resp: 435399
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7



#52
 Toluene
 Concen: 46.951 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 92 Resp: 391044
 Ion Ratio Lower Upper
 92 100
 91 170.6 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 48.045 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

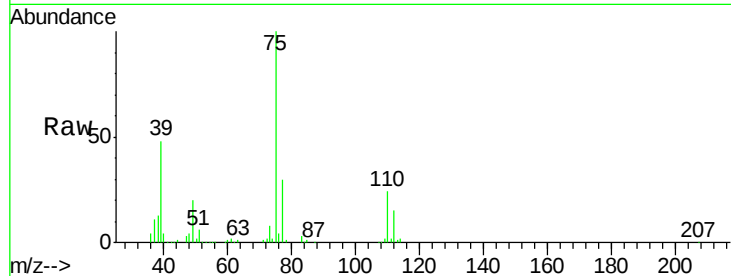
VSTDCCC050

Tgt Ion: 75 Resp: 205485

Ion Ratio Lower Upper

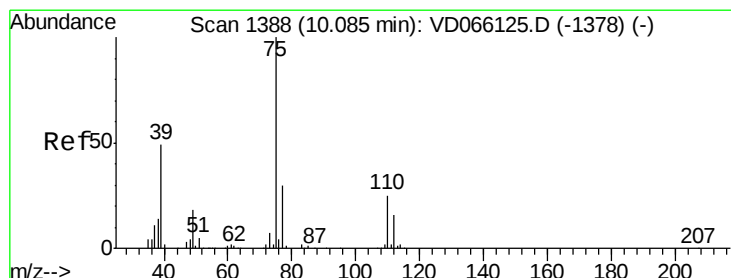
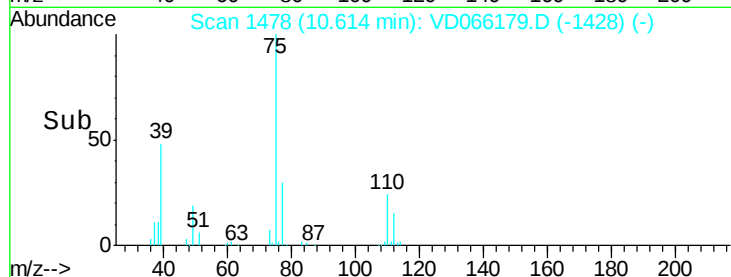
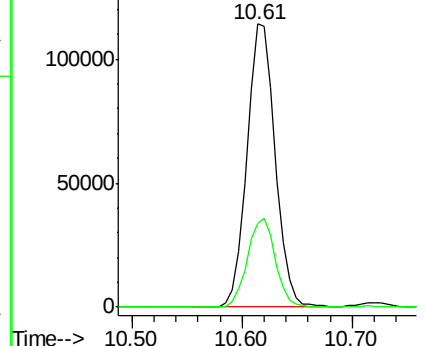
75 100

77 29.7 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 47.347 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

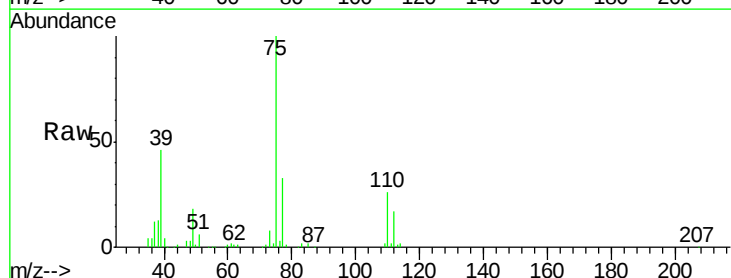
Tgt Ion: 75 Resp: 237251

Ion Ratio Lower Upper

75 100

77 33.1 24.3 36.5

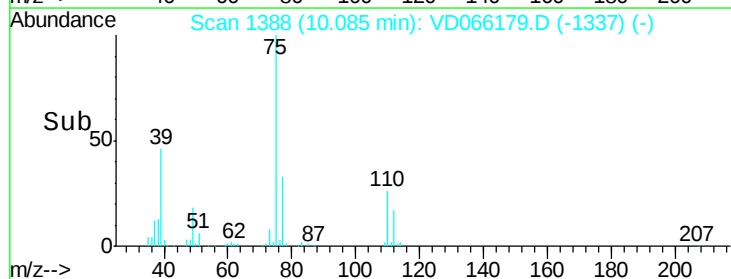
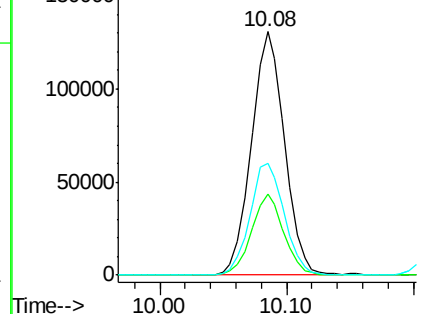
39 45.8 39.3 58.9

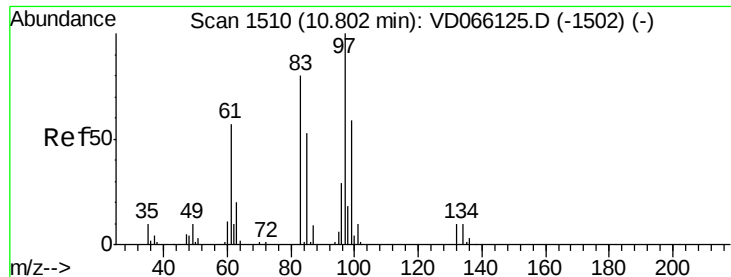


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 46.256 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 113574

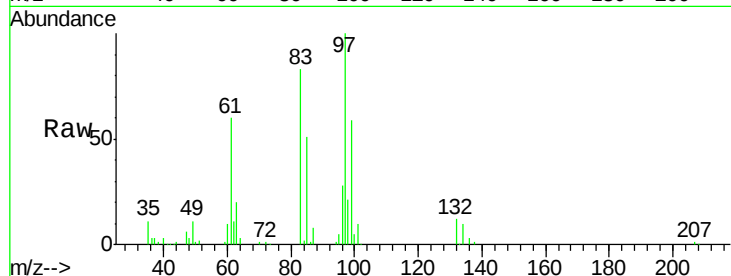
Ion Ratio Lower Upper

97 100

83 82.9 63.9 95.9

85 50.9 42.5 63.7

99 59.3 47.4 71.0

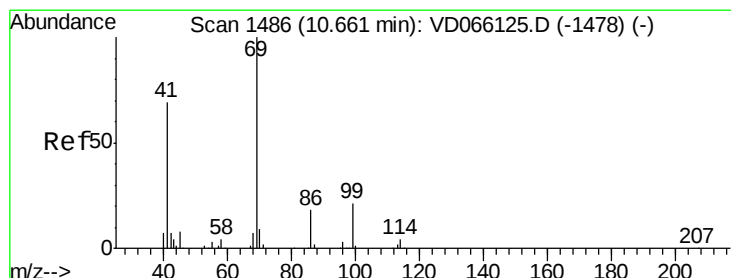
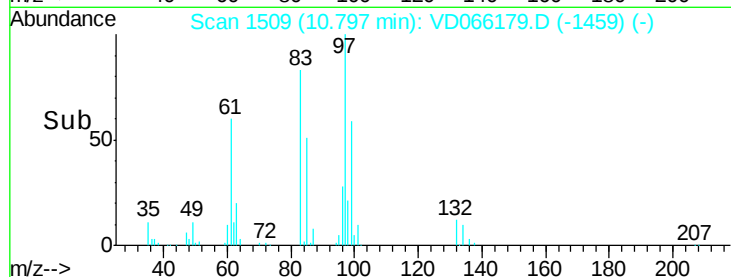
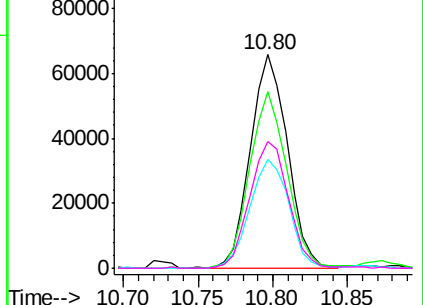


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.656 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

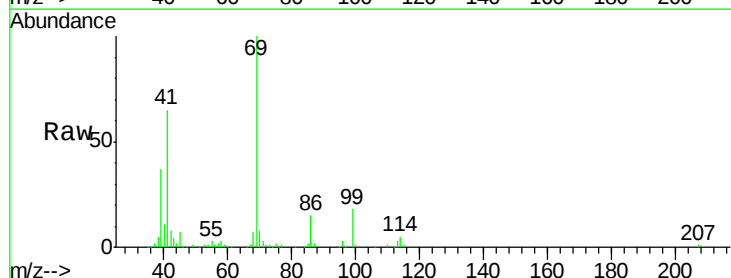
Tgt Ion: 69 Resp: 143514

Ion Ratio Lower Upper

69 100

41 65.7 54.1 81.1

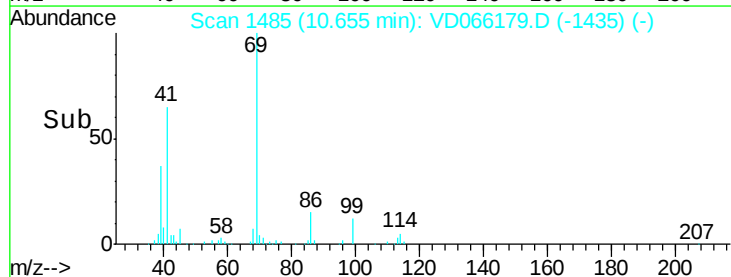
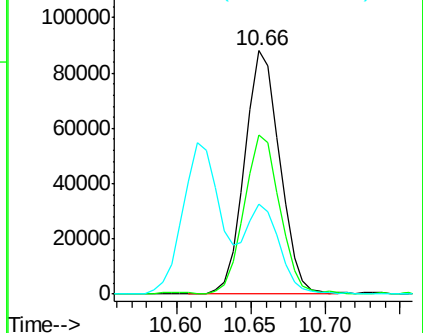
39 36.9 28.6 43.0

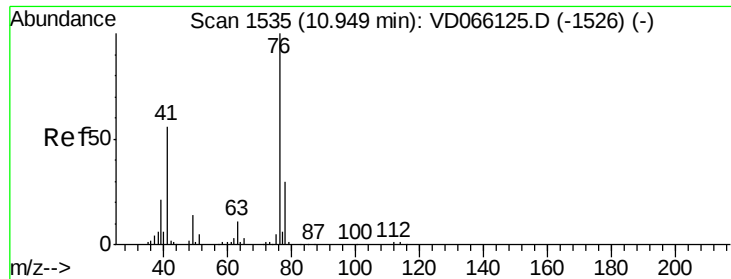


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

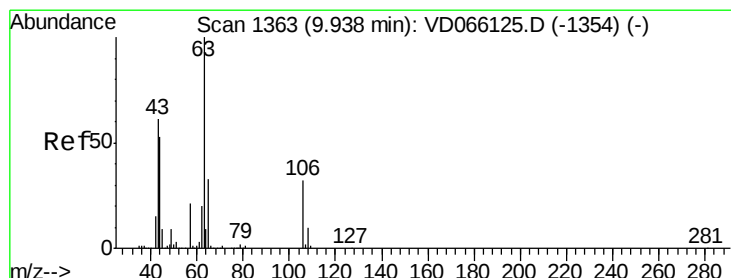
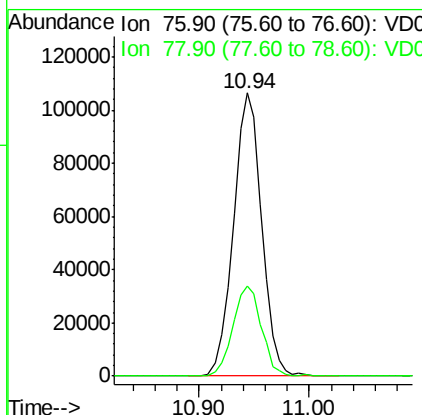
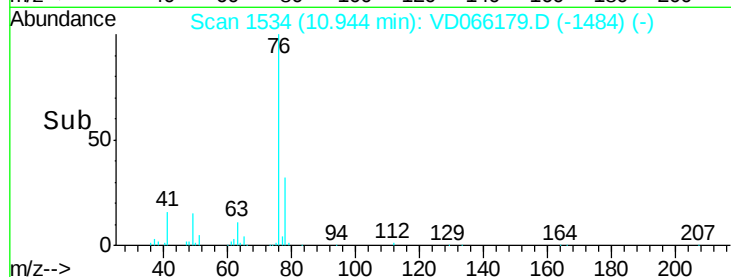
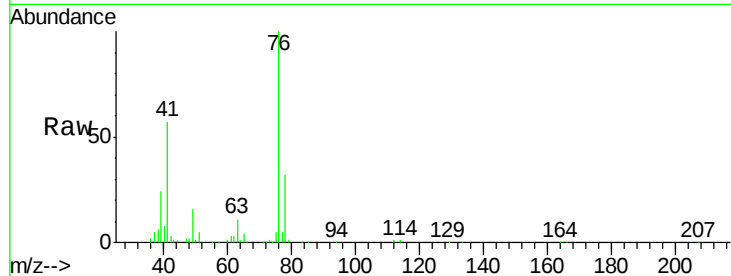




#57
 1,3-Dichloropropane
 Concen: 46.769 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

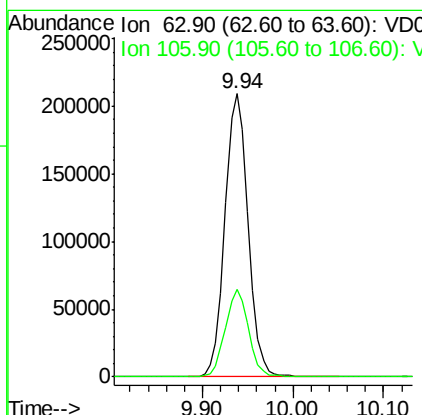
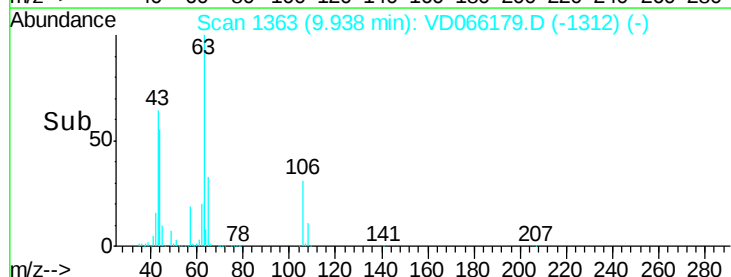
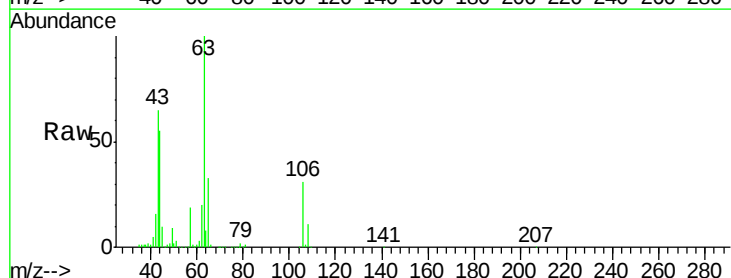
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

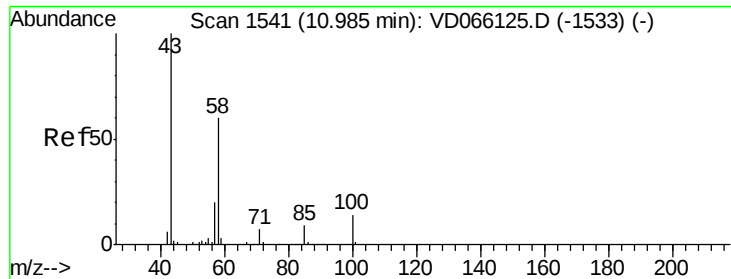
Tgt Ion: 76 Resp: 190641
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.583 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 63 Resp: 370939
 Ion Ratio Lower Upper
 63 100
 106 31.0 25.3 37.9

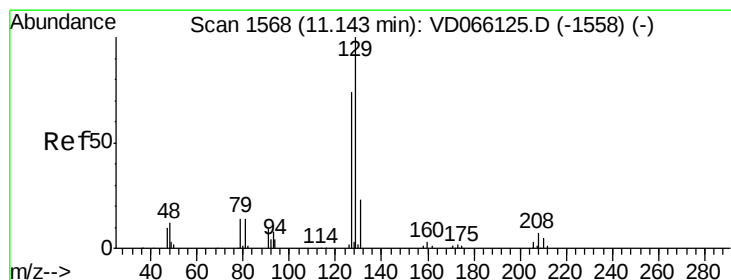
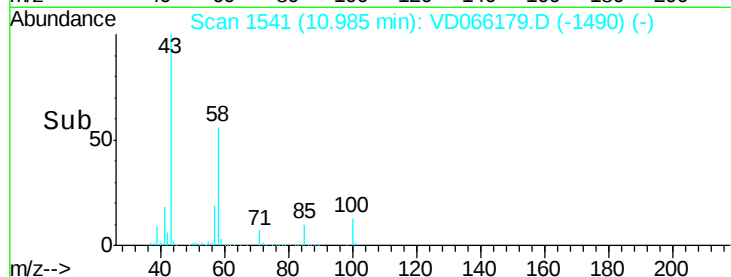
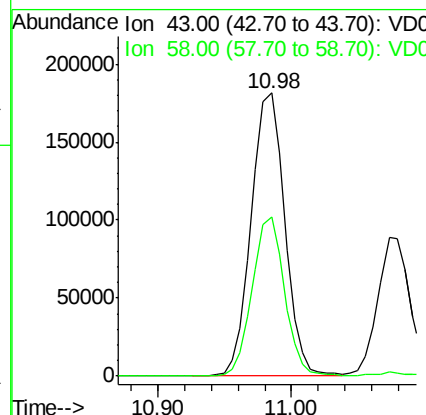
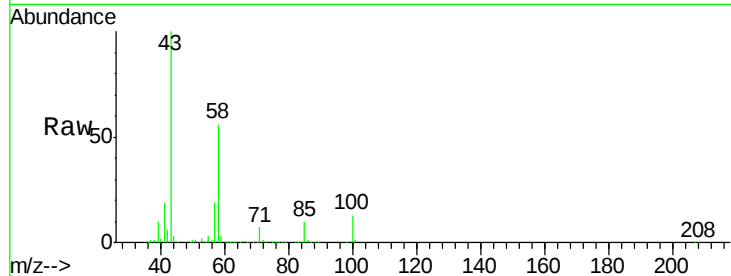




#59
2-Hexanone
Concen: 246.435 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

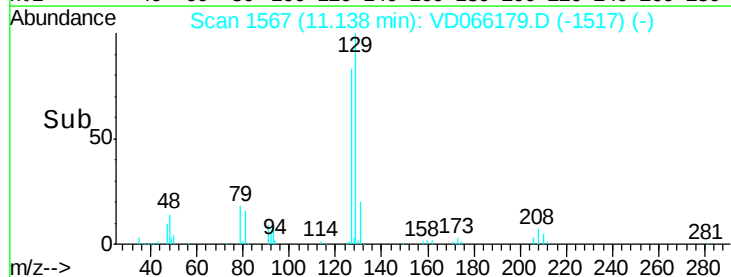
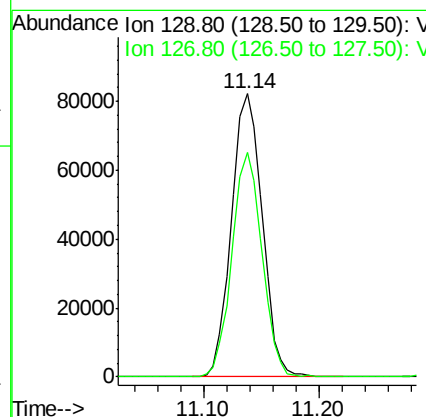
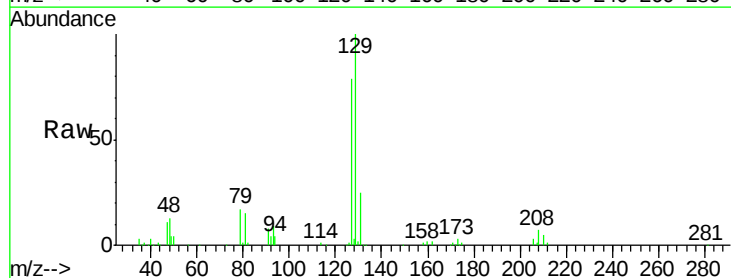
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

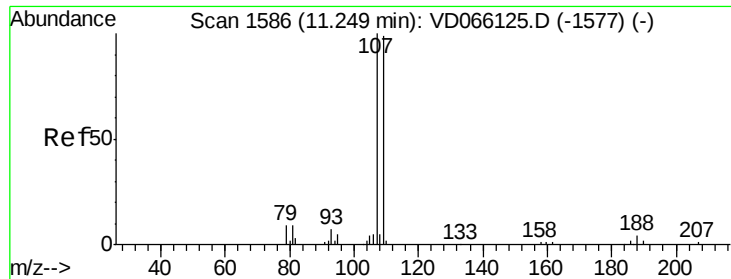
Tgt Ion: 43 Resp: 316434
Ion Ratio Lower Upper
43 100
58 53.9 27.8 83.4



#60
Dibromochloromethane
Concen: 44.892 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 129 Resp: 152175
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1

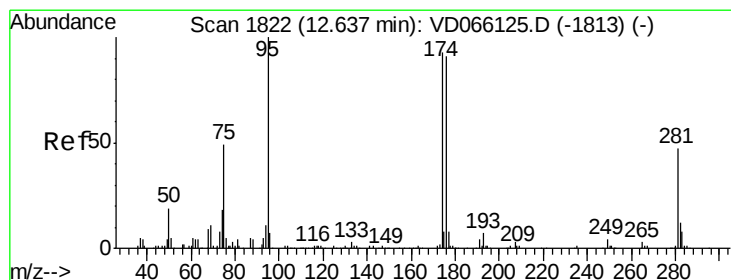
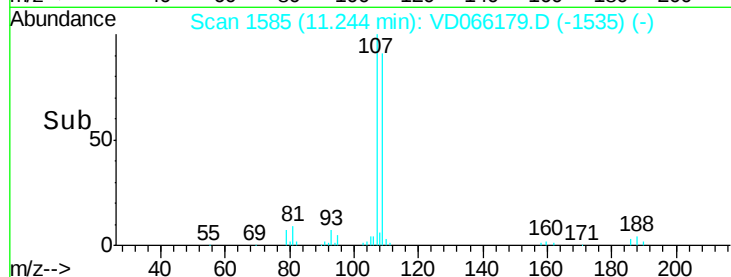
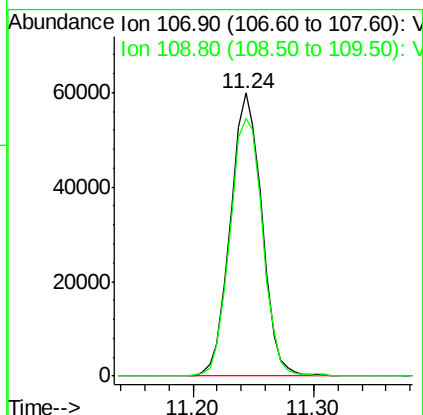
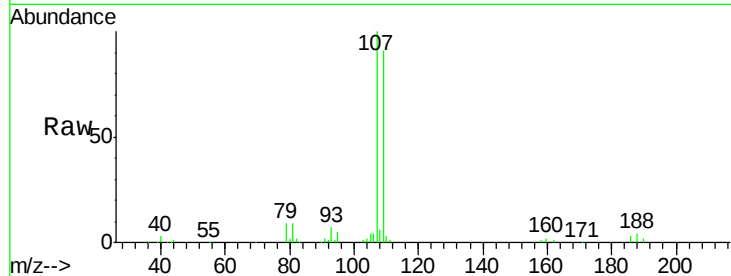




#61
 1,2-Dibromoethane
 Concen: 46.104 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

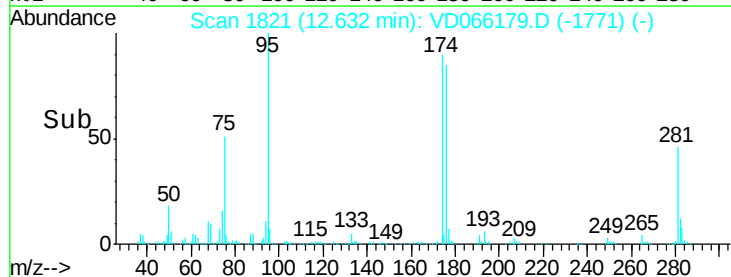
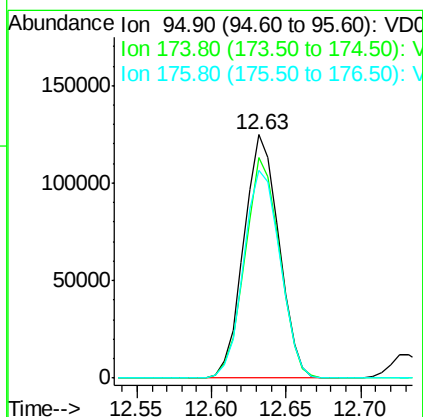
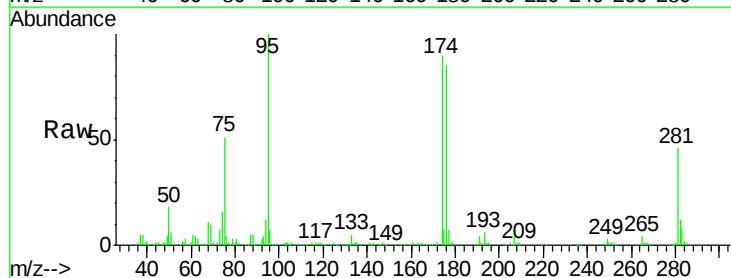
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 108867
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.674 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion: 95 Resp: 203242
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 180.8
 176 88.5 0.0 181.2

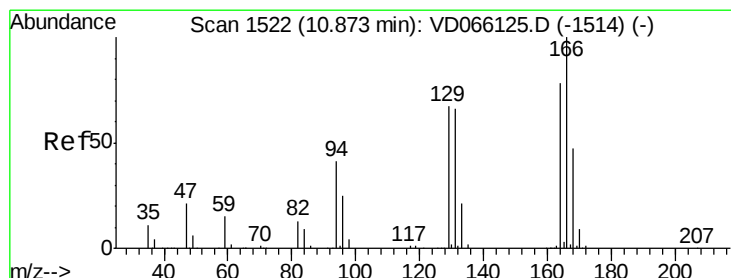
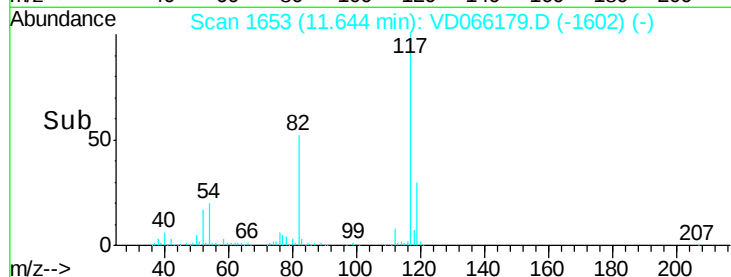
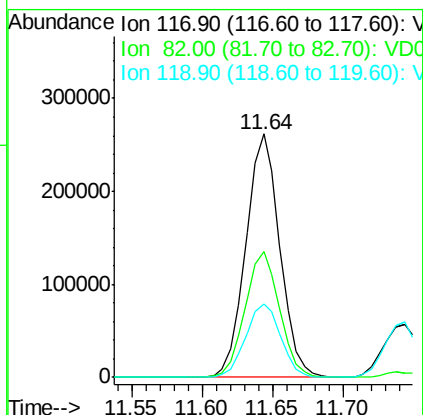
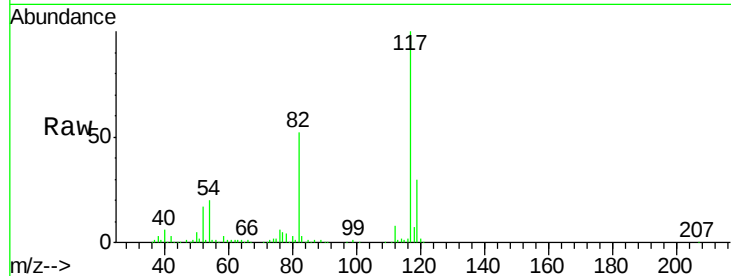




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

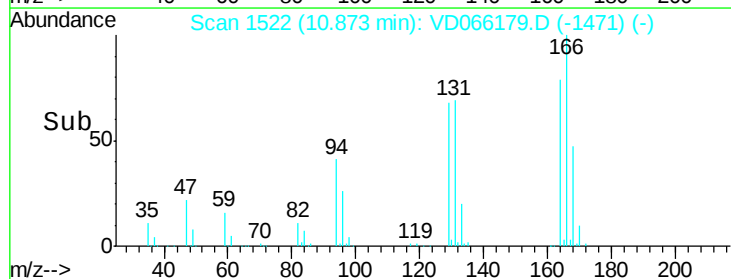
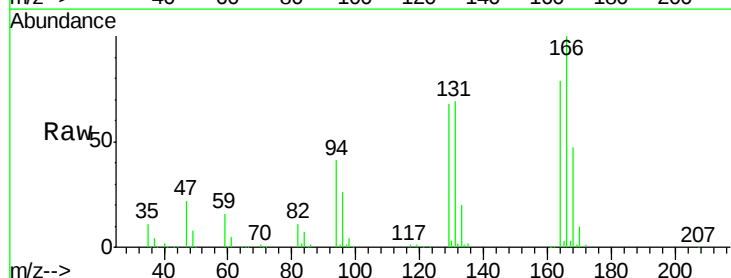
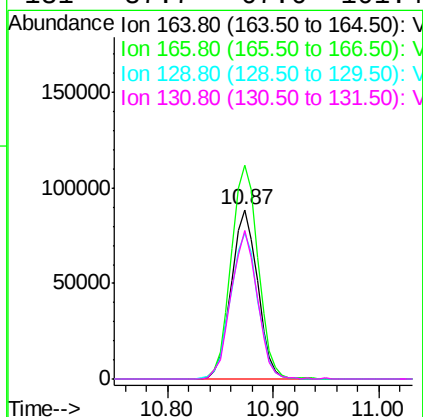
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

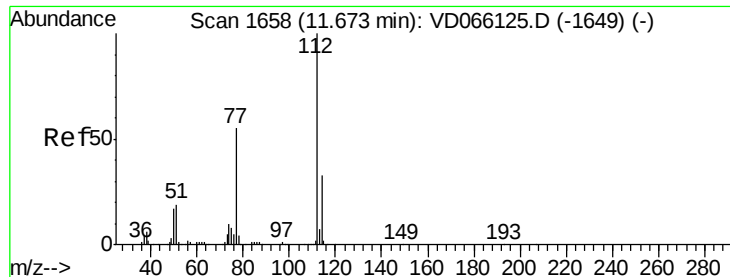
Tgt Ion:117 Resp: 441386
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 30.2 26.1 39.1



#64
Tetrachloroethene
Concen: 44.996 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion:164 Resp: 152507
Ion Ratio Lower Upper
164 100
166 126.4 101.9 152.9
129 86.1 68.1 102.1
131 87.7 67.6 101.4

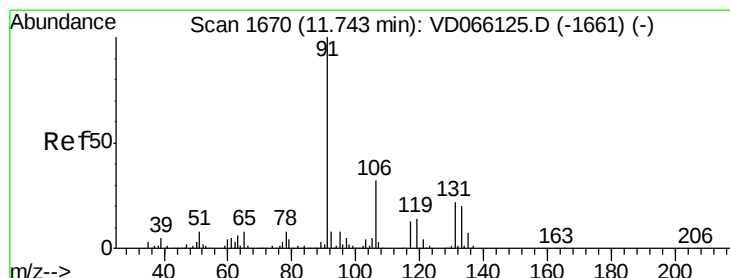
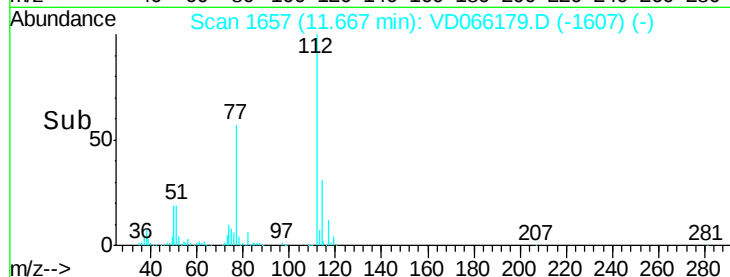
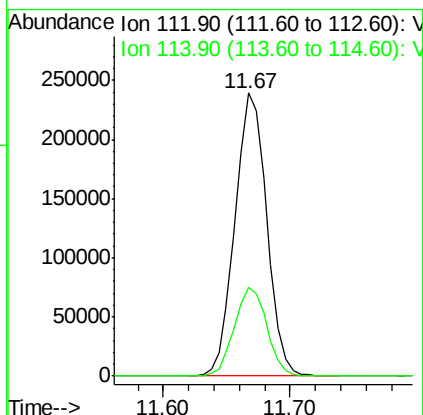
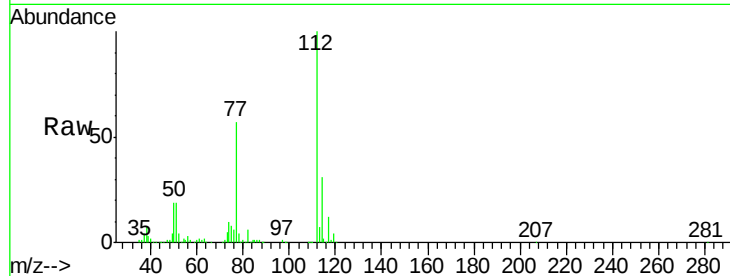




#65
Chlorobenzene
Concen: 46.424 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

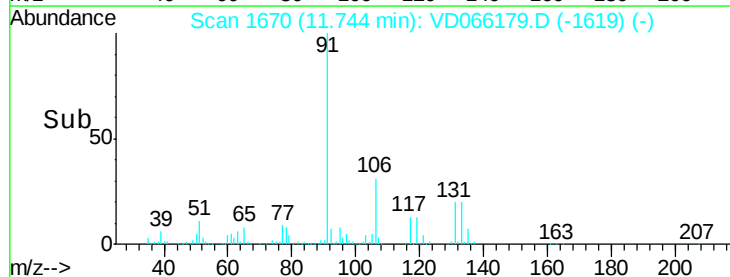
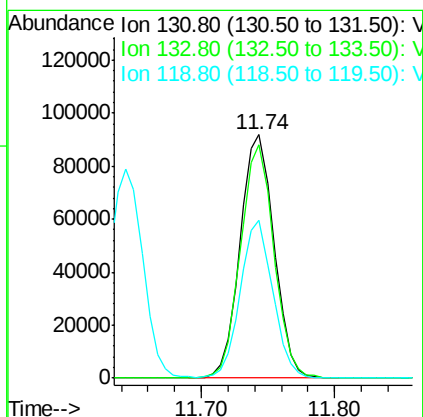
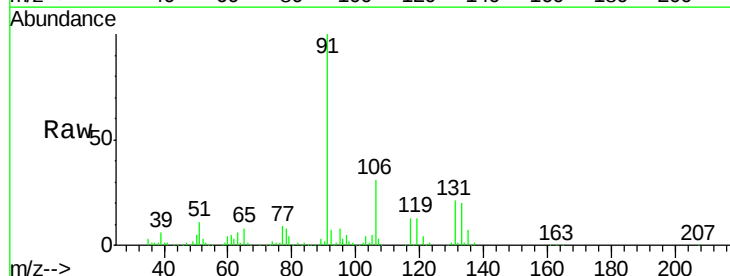
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

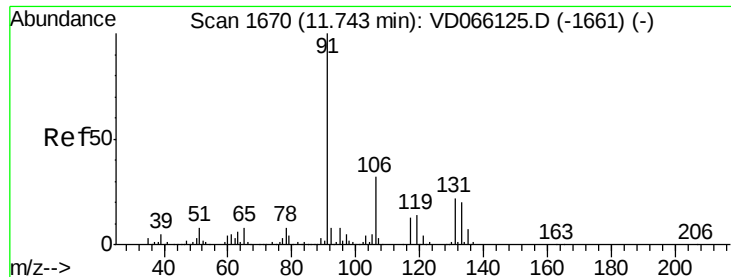
Tgt Ion:112 Resp: 415970
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 46.119 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion:131 Resp: 161687
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.4
119 62.1 31.6 94.7





#67

Ethyl Benzene

Concen: 47.775 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

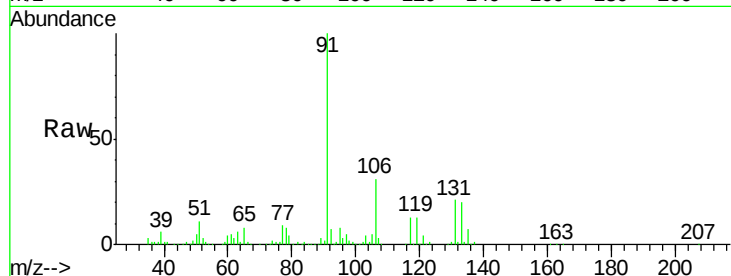
VSTDCCC050

Tgt Ion: 91 Resp: 741812

Ion Ratio Lower Upper

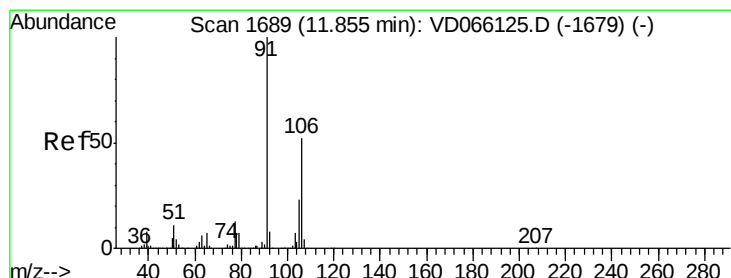
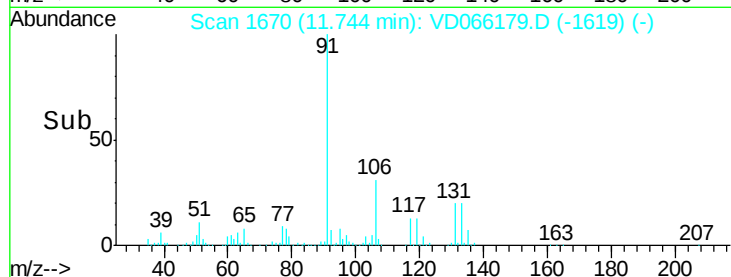
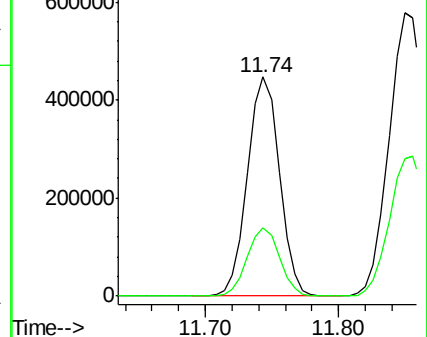
91 100

106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 93.915 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066179.D

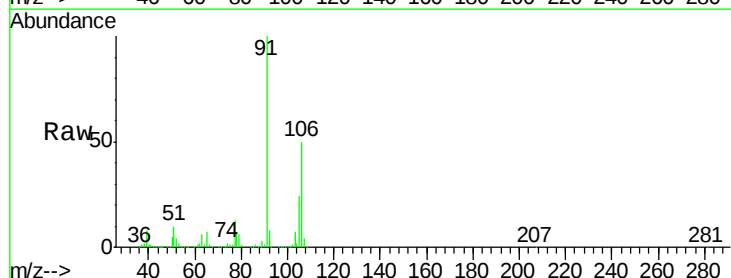
Acq: 11 Aug 2020 11:16

Tgt Ion: 106 Resp: 564984

Ion Ratio Lower Upper

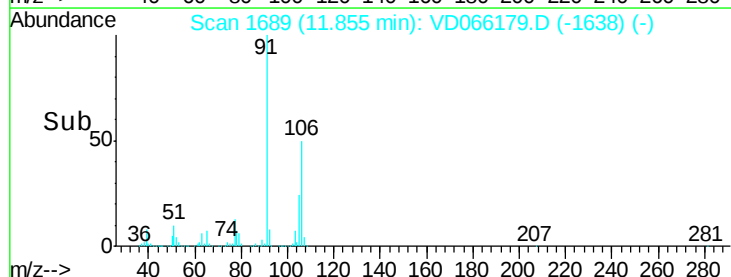
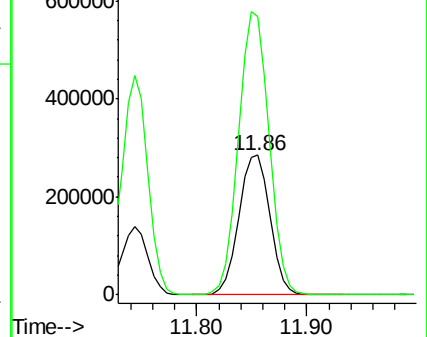
106 100

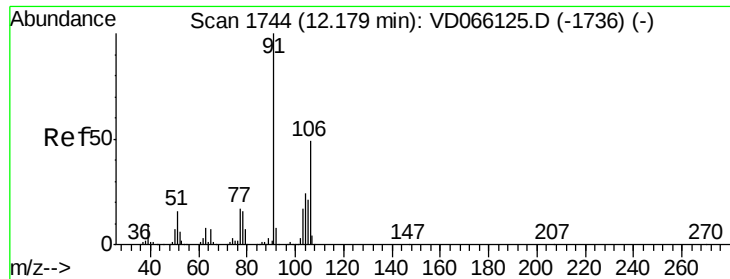
91 199.4 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

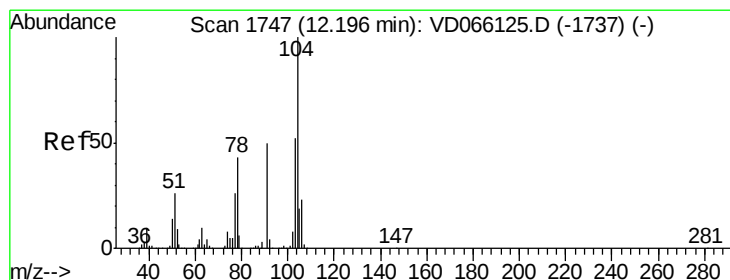
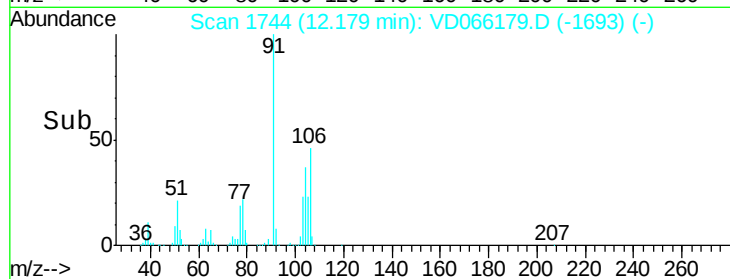
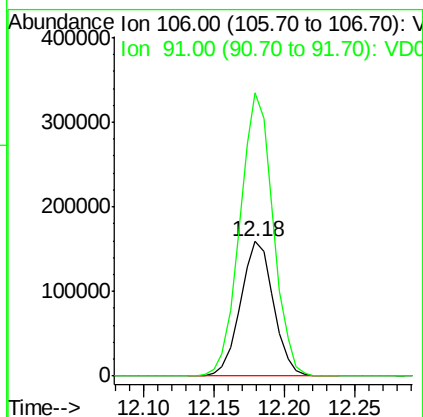
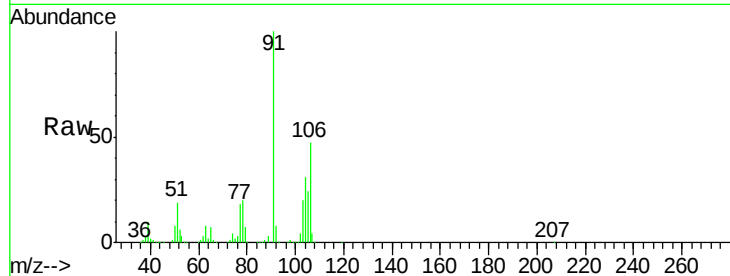




#69
o-Xylene
Concen: 47.522 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

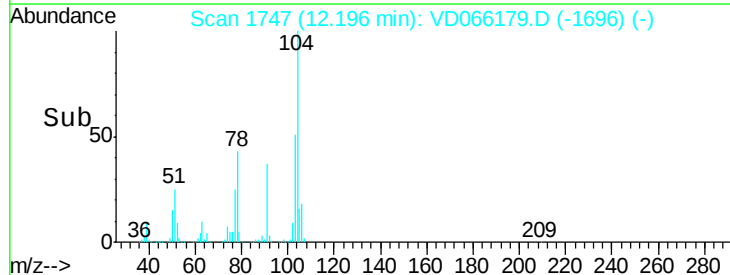
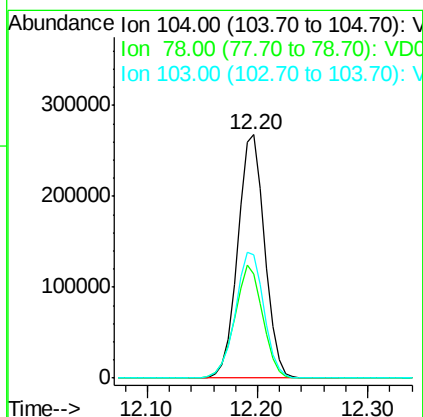
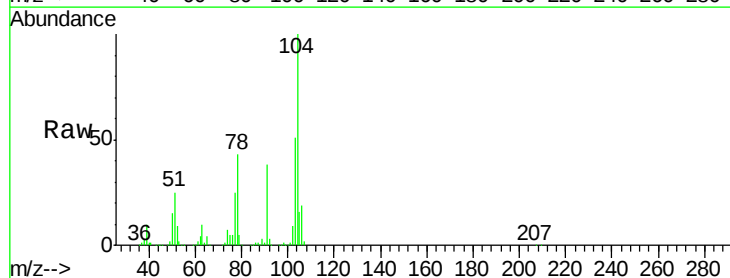
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

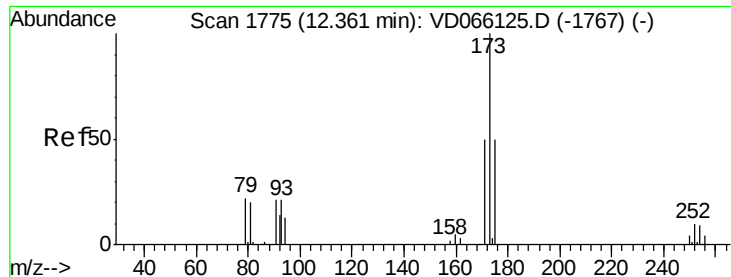
Tgt Ion:106 Resp: 260066
Ion Ratio Lower Upper
106 100
91 211.1 105.7 317.1



#70
Styrene
Concen: 47.853 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion:104 Resp: 458942
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.0 44.1 66.1





#71

Bromoform

Concen: 45.185 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

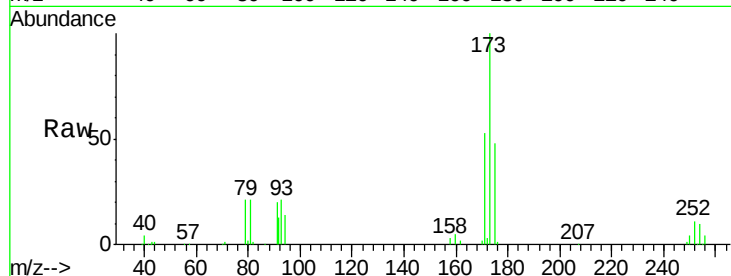
Tgt Ion:173 Resp: 93857

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.6

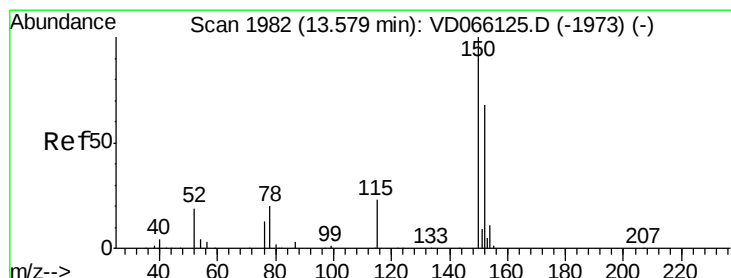
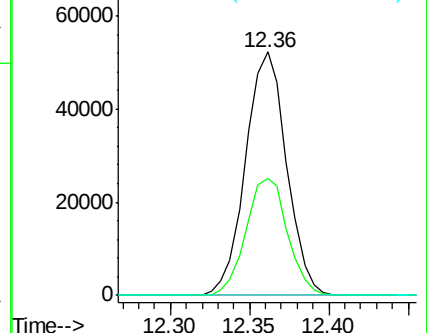
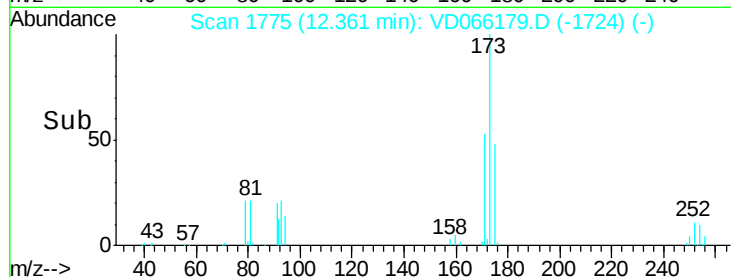
254 0.1 0.2 0.2#



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: VD066179.D

Acq: 11 Aug 2020 11:16

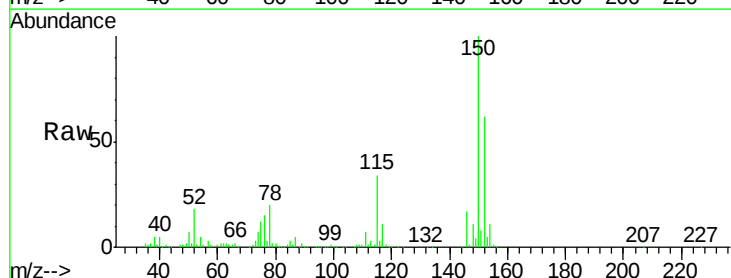
Tgt Ion:152 Resp: 223786

Ion Ratio Lower Upper

152 100

115 55.0 28.0 83.9

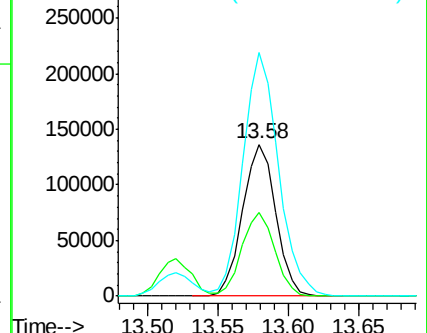
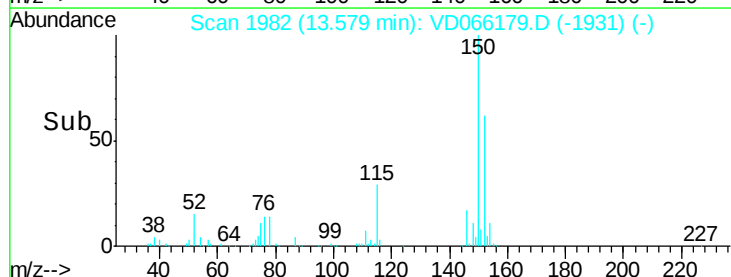
150 172.2 0.0 346.4

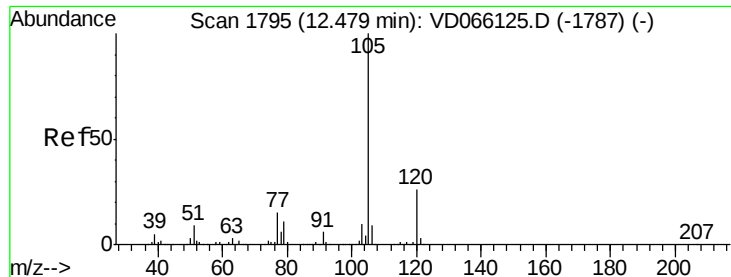


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.963 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

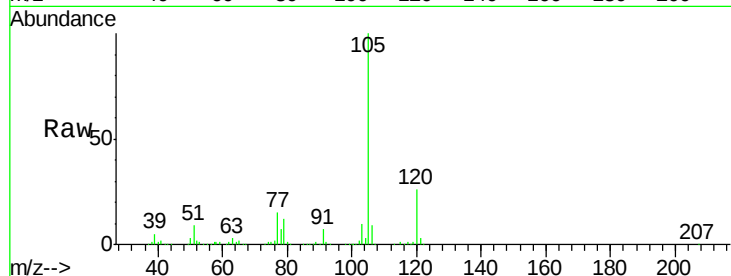
VSTDCCC050

Tgt Ion: 105 Resp: 731419

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

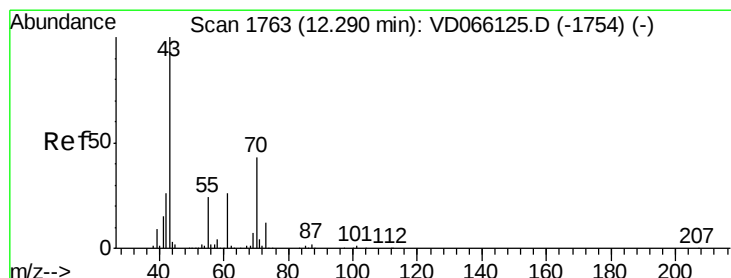
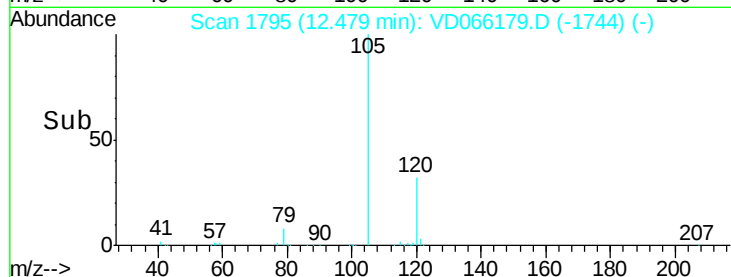
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.643 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Tgt Ion: 43 Resp: 163301

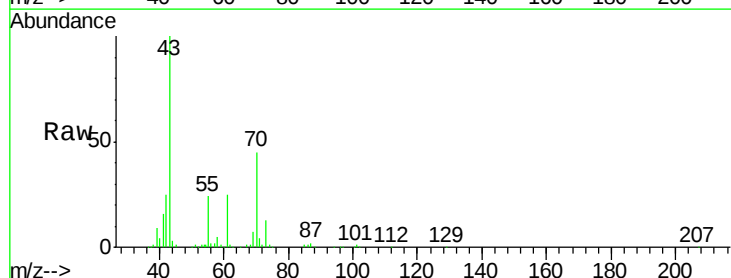
Ion Ratio Lower Upper

43 100

70 42.9 34.9 52.3

55 23.8 19.2 28.8

61 23.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

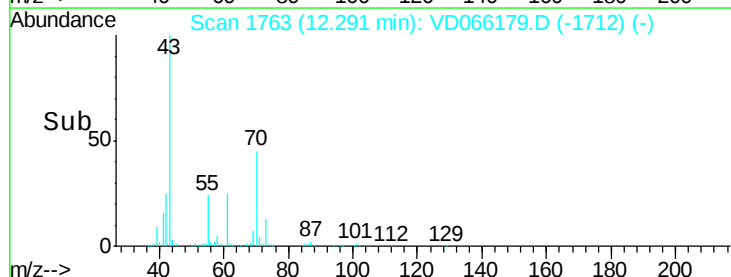
150000

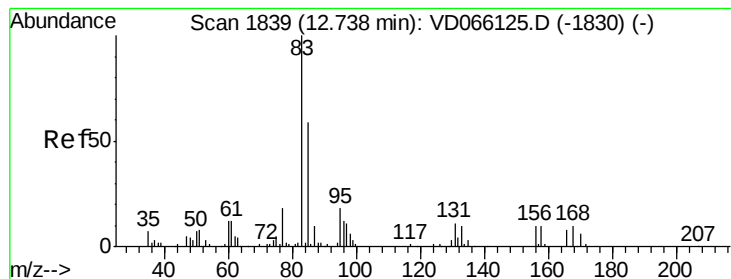
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.948 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

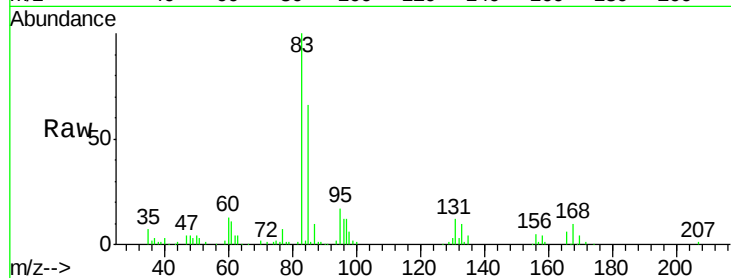
Tgt Ion: 83 Resp: 119587

Ion Ratio Lower Upper

83 100

131 12.2 6.2 18.6

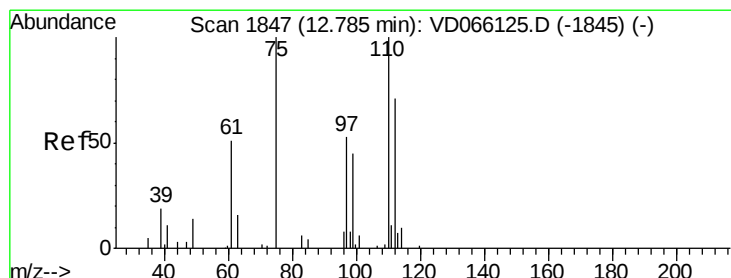
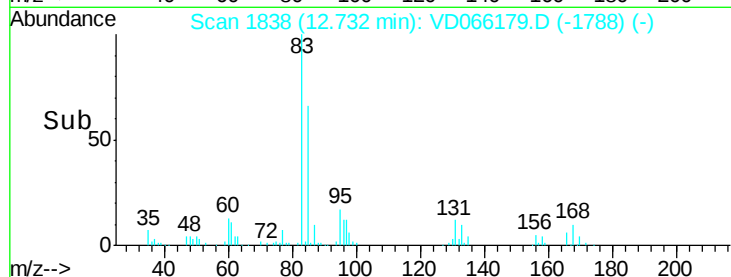
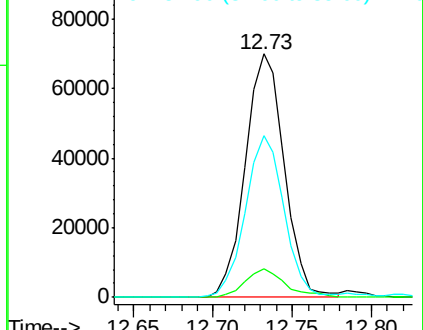
85 66.9 32.4 97.2



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: 85.777 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066179.D

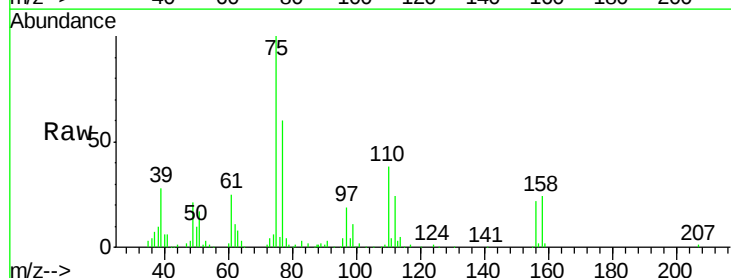
Acq: 11 Aug 2020 11:16

Tgt Ion: 75 Resp: 160079

Ion Ratio Lower Upper

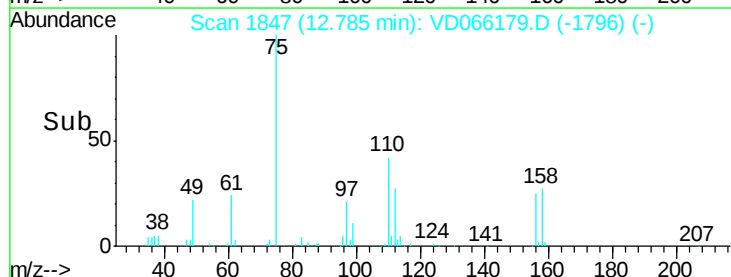
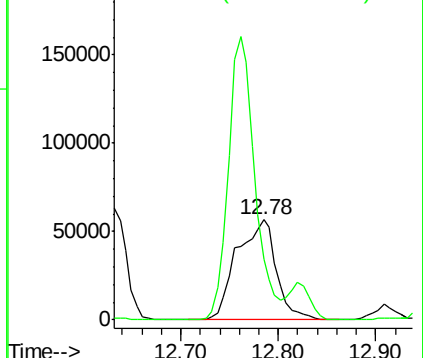
75 100

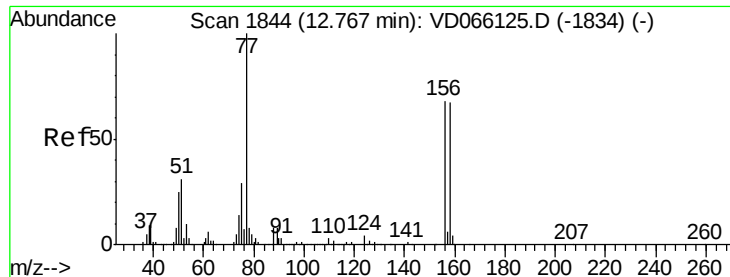
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

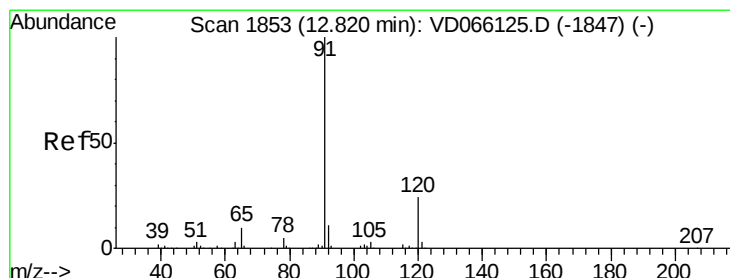
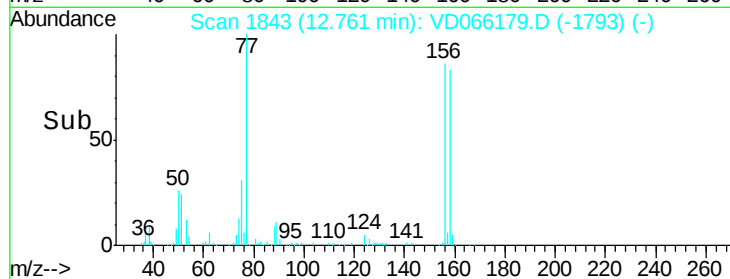
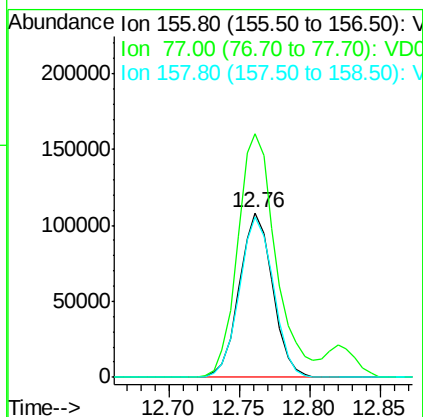
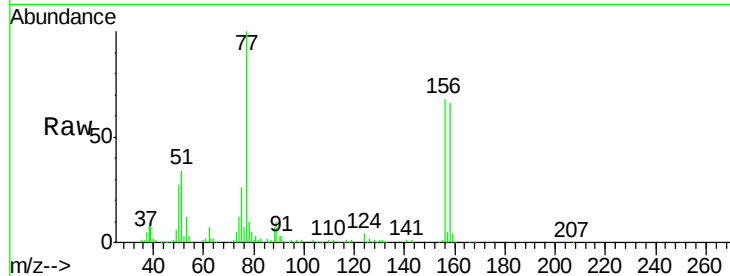




#77
Bromobenzene
Concen: 46.488 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

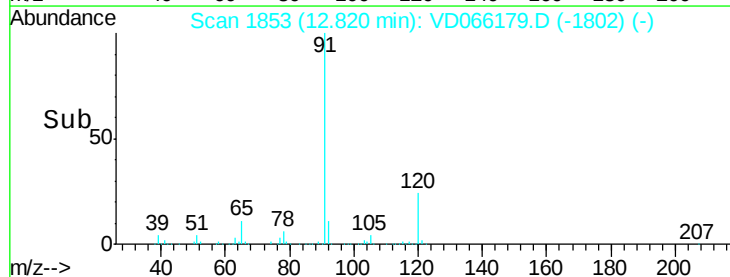
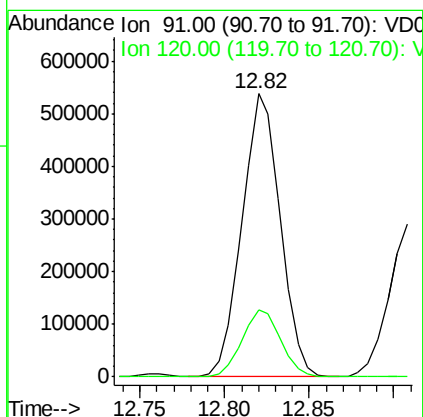
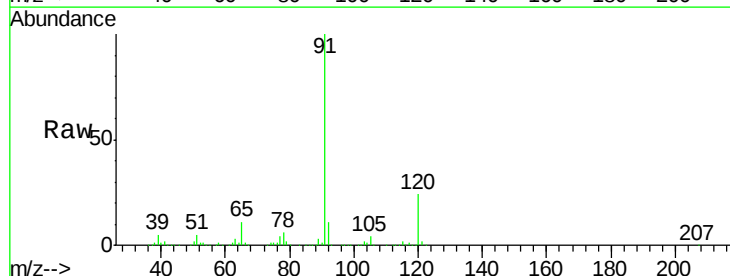
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

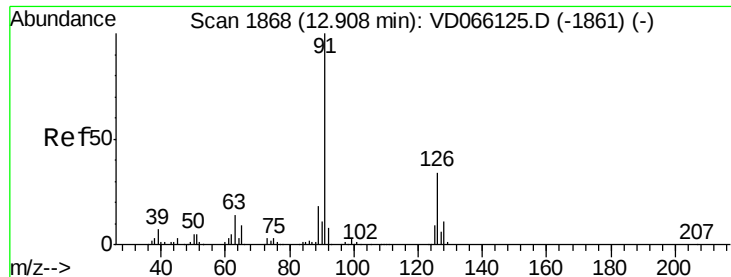
Tgt Ion: 156 Resp: 178766
Ion Ratio Lower Upper
156 100
77 168.8 81.0 243.1
158 99.4 48.8 146.3



#78
n-propylbenzene
Concen: 48.748 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 91 Resp: 846499
Ion Ratio Lower Upper
91 100
120 24.0 12.0 36.0





#79

2-Chlorotoluene

Concen: 47.782 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

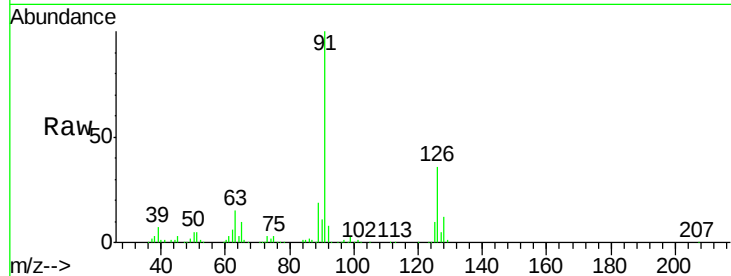
VSTDCCC050

Tgt Ion: 91 Resp: 474549

Ion Ratio Lower Upper

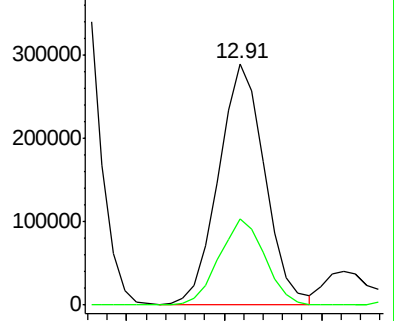
91 100

126 35.5 17.5 52.6

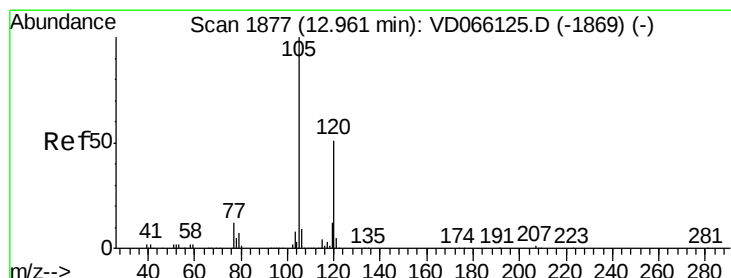
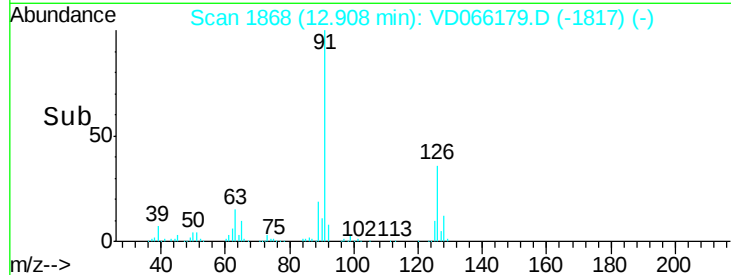


Abundance Ion 91.00 (90.70 to 91.70): VD066179.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066179.D (-1817) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.864 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066179.D

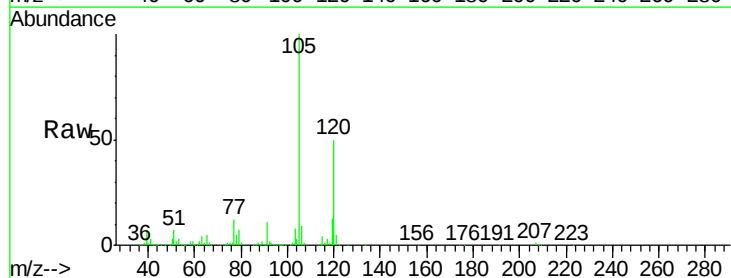
Acq: 11 Aug 2020 11:16

Tgt Ion: 105 Resp: 610454

Ion Ratio Lower Upper

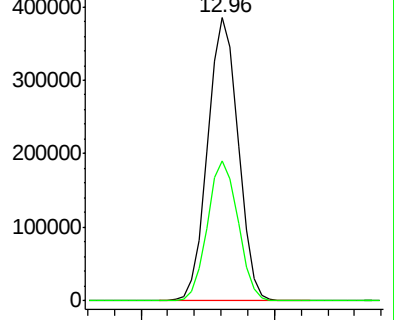
105 100

120 49.6 25.3 75.8

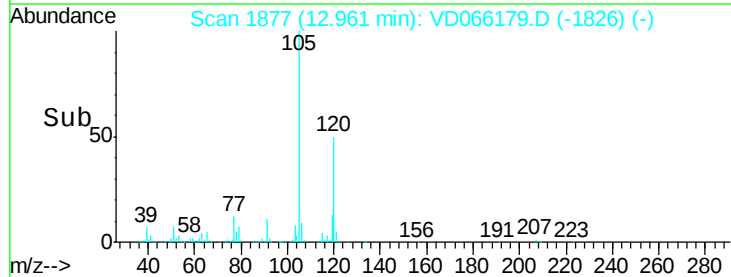


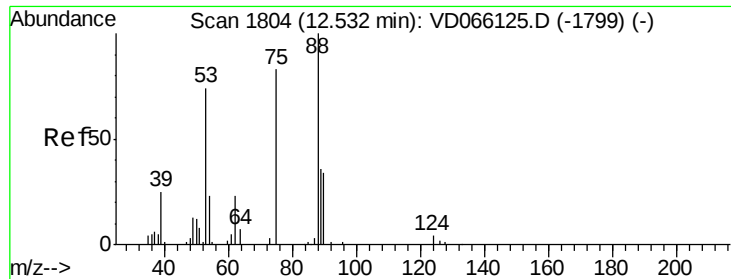
Abundance Ion 105.00 (104.70 to 105.70): VD066179.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066179.D (-1826) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.237 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

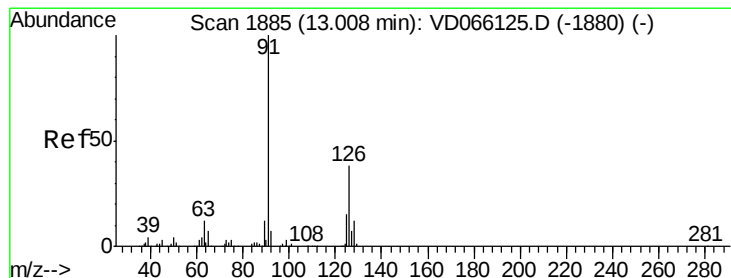
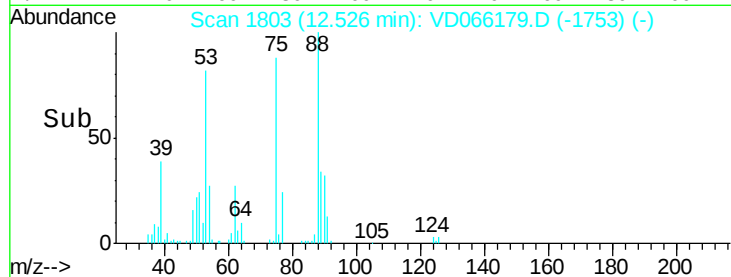
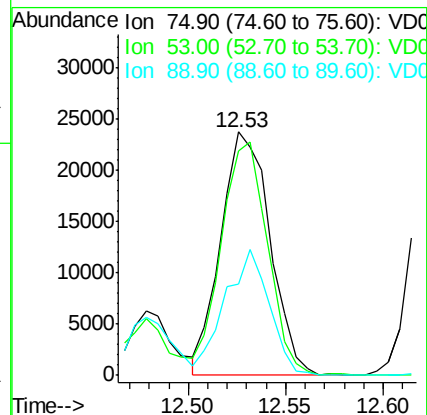
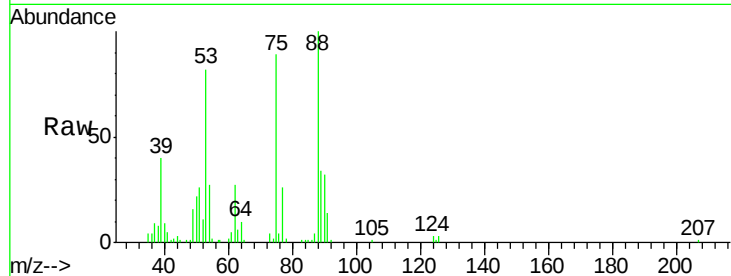
Tgt Ion: 75 Resp: 41567

Ion Ratio Lower Upper

75 100

53 90.0 73.4 110.2

89 46.5 36.6 55.0



#82

4-Chlorotoluene

Concen: 47.916 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066179.D

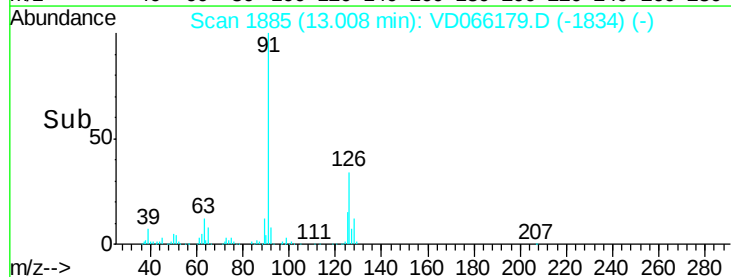
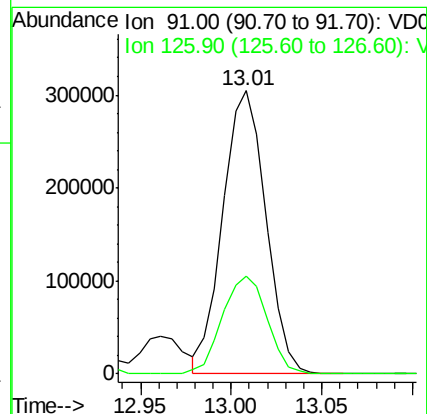
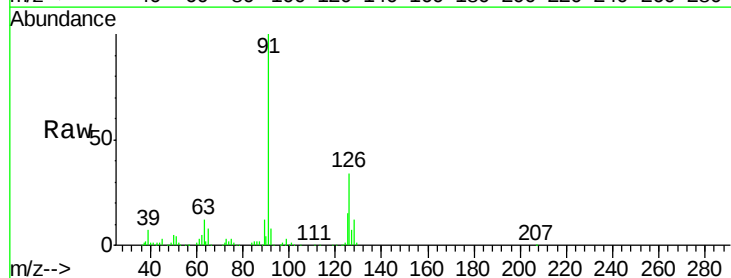
Acq: 11 Aug 2020 11:16

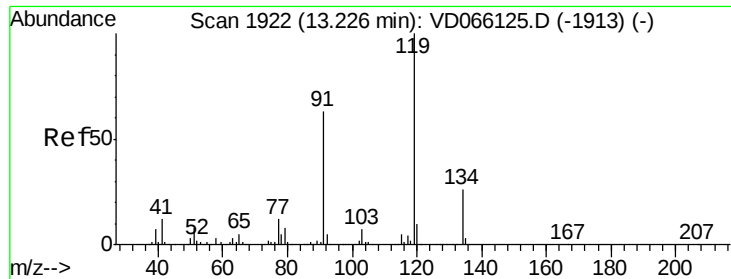
Tgt Ion: 91 Resp: 502357

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.3

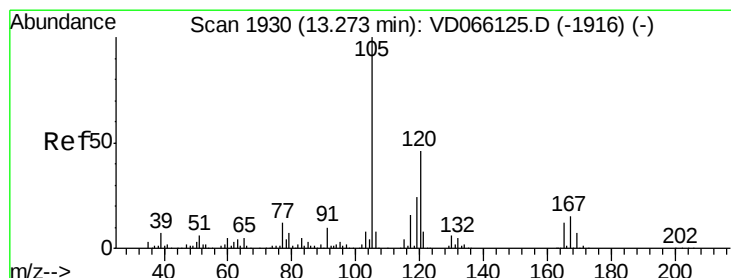
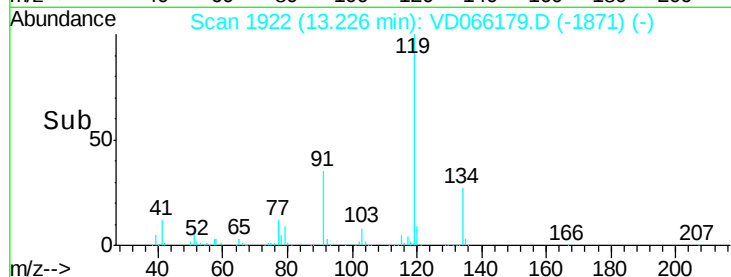
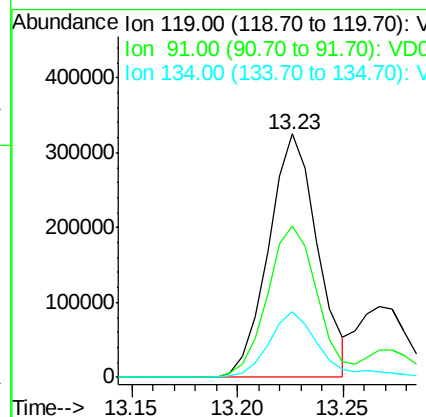
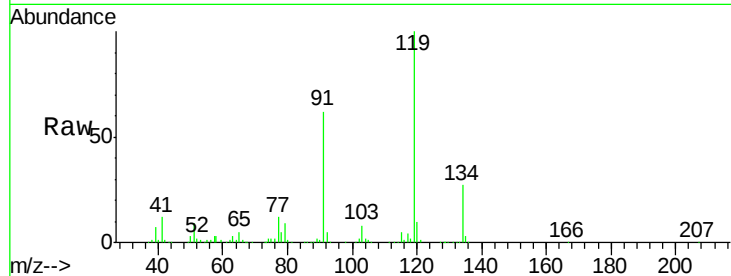




#83
 tert-Butylbenzene
 Concen: 47.624 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

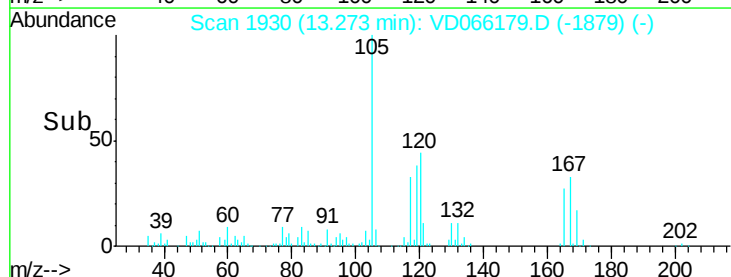
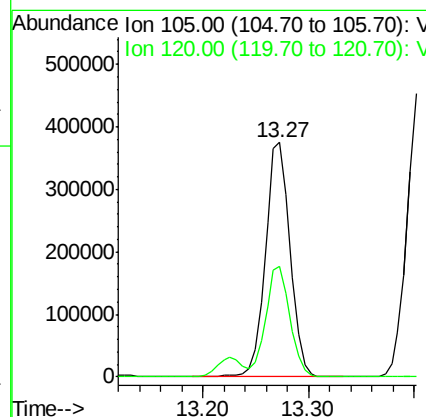
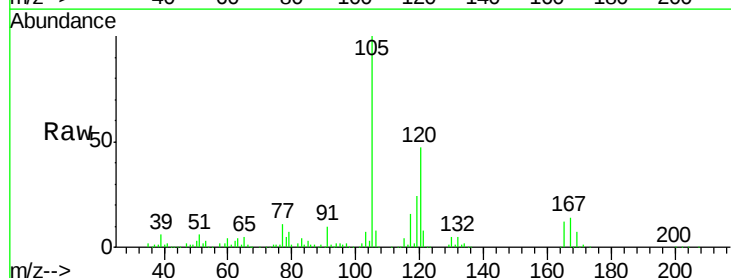
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

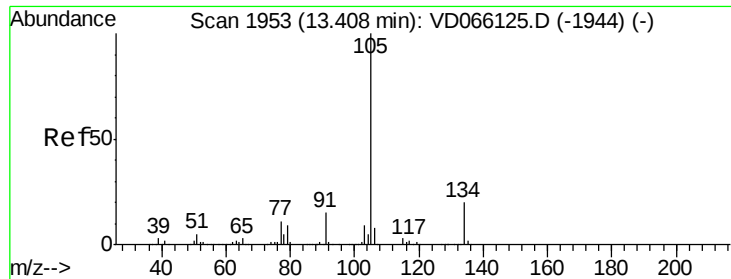
Tgt Ion:119 Resp: 523235
 Ion Ratio Lower Upper
 119 100
 91 63.9 30.8 92.4
 134 28.1 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.631 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion:105 Resp: 608012
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.405 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

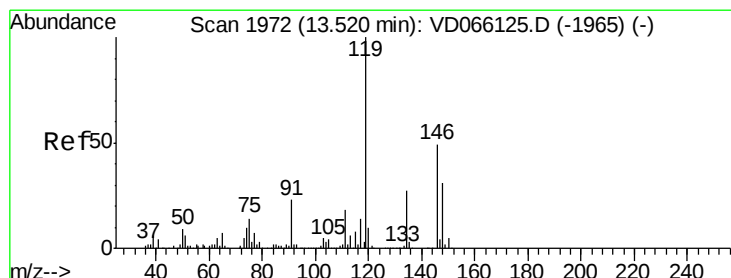
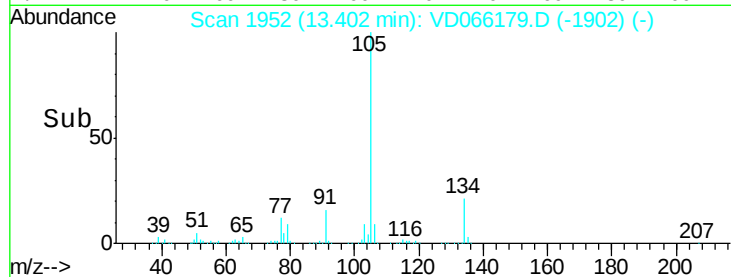
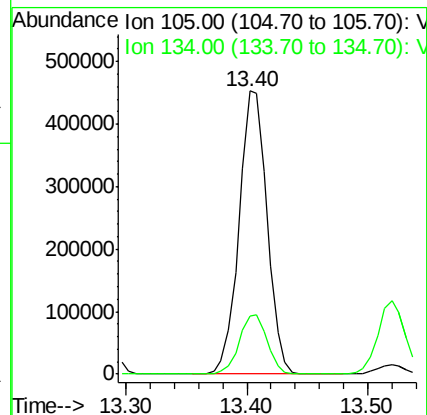
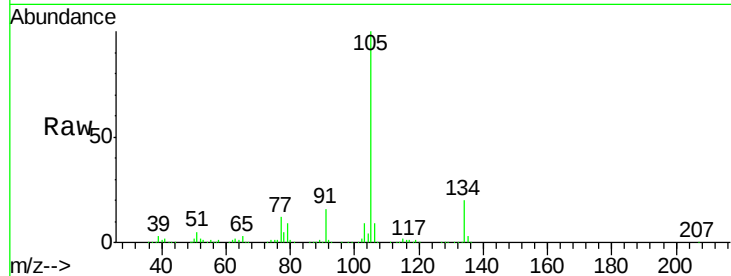
VSTDCCC050

Tgt Ion:105 Resp: 732859

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



#86

p-Isopropyltoluene

Concen: 49.225 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

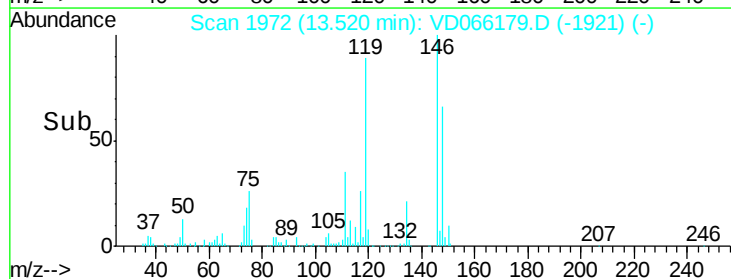
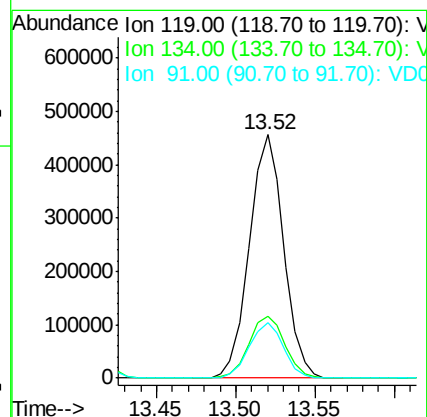
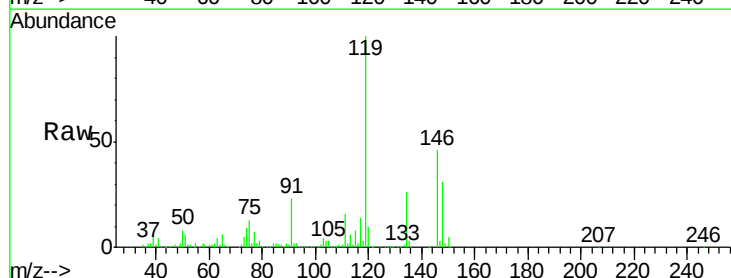
Tgt Ion:119 Resp: 684841

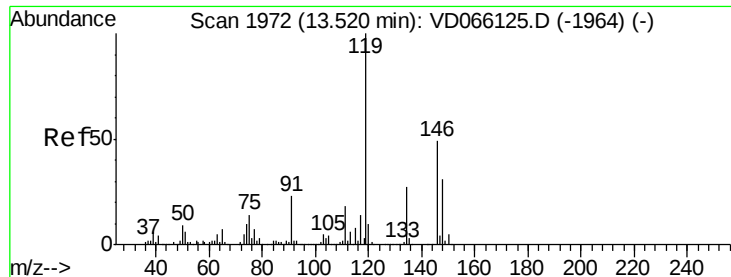
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.9 11.2 33.5

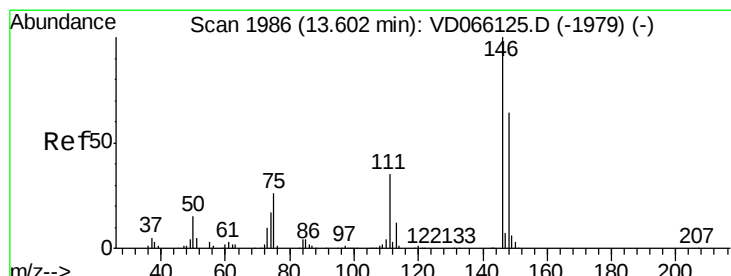
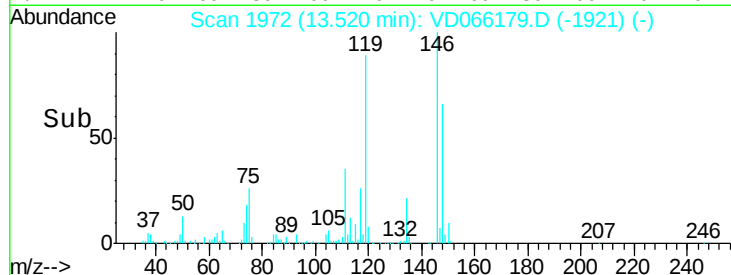
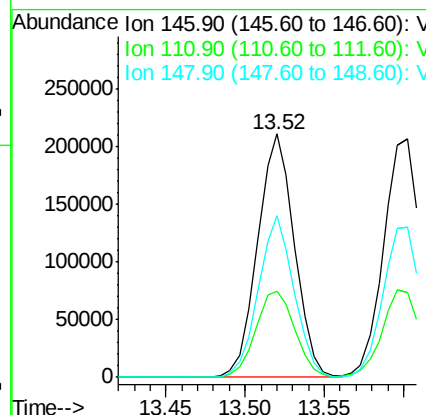
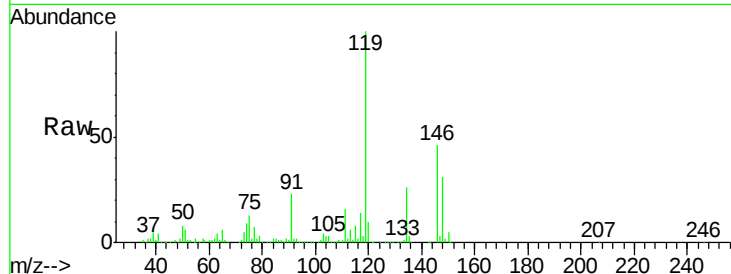




#87
 1,3-Dichlorobenzene
 Concen: 47.066 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

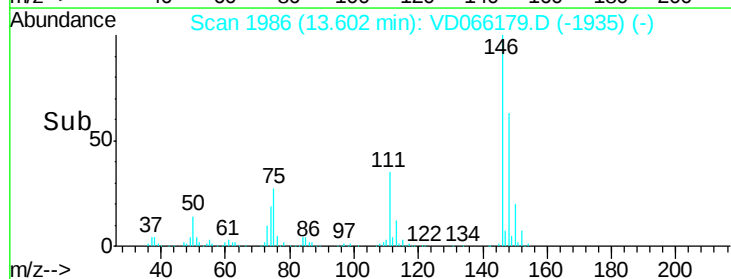
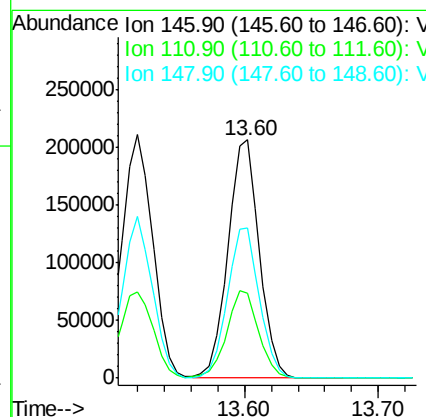
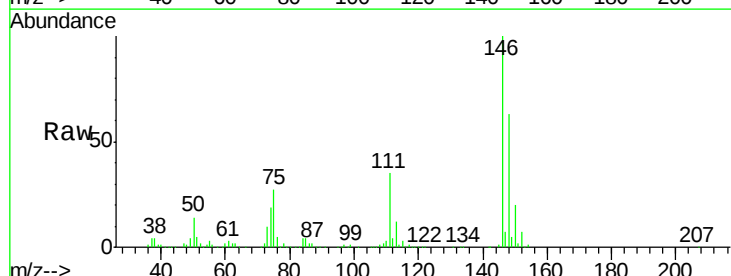
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

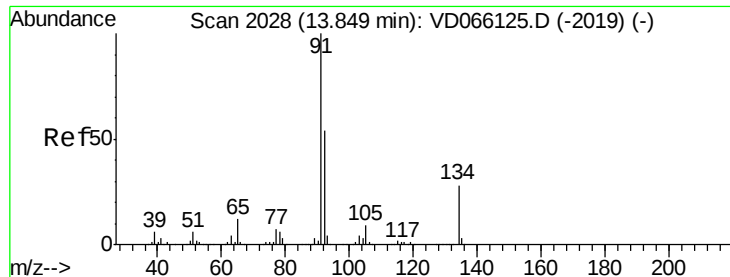
Tgt Ion:146 Resp: 340158
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 64.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion:146 Resp: 340859
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.0 32.4 97.0

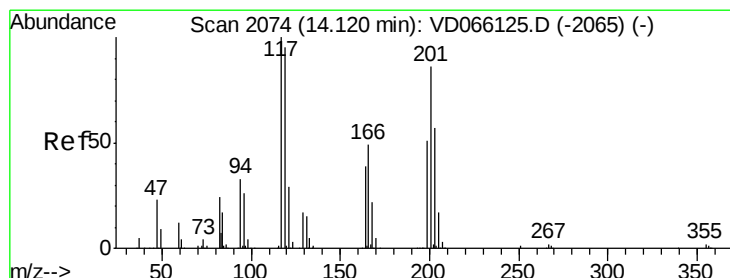
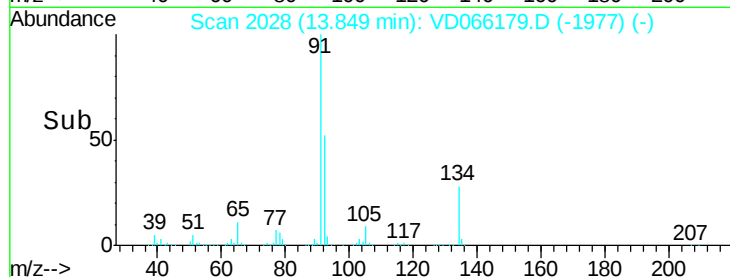
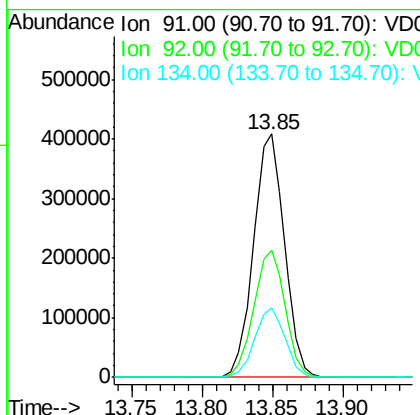
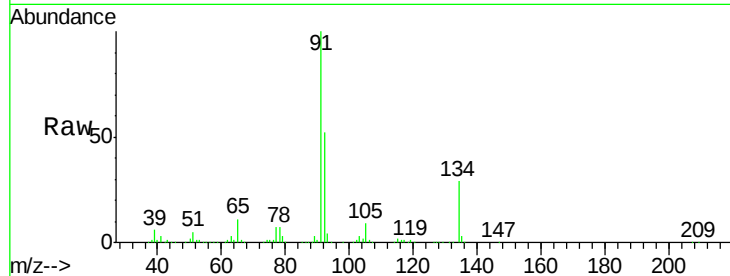




#89
n-Butylbenzene
Concen: 50.455 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

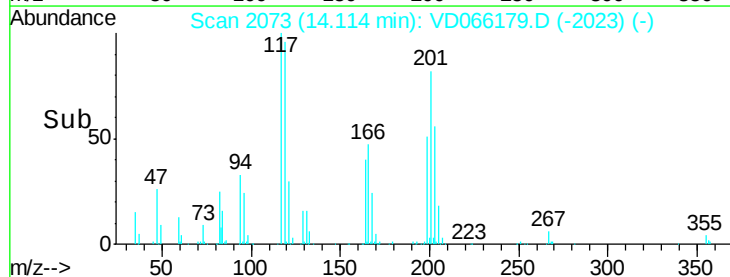
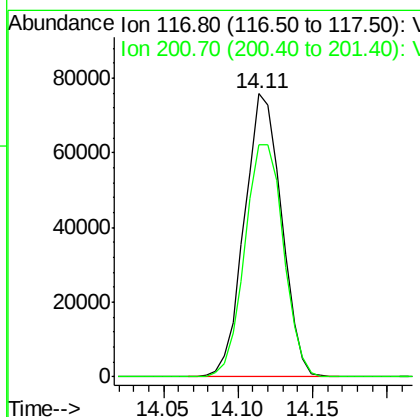
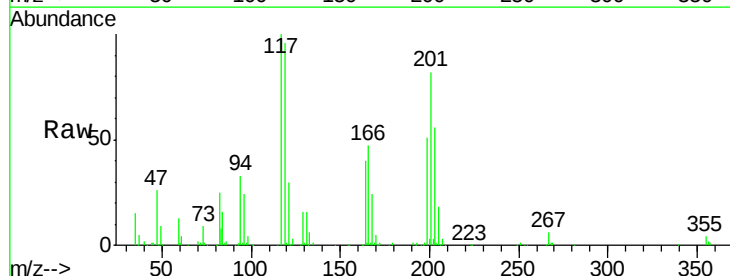
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

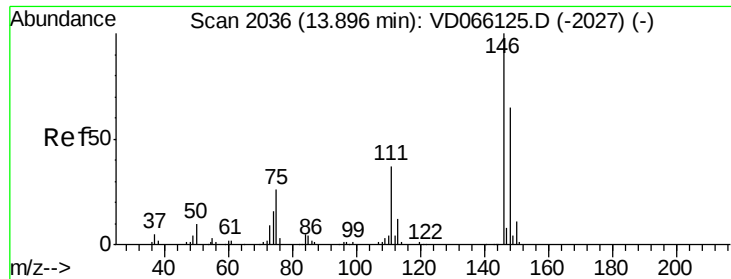
Tgt Ion: 91 Resp: 628925
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.3
134 28.0 14.0 41.9



#90
Hexachloroethane
Concen: 47.007 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion: 117 Resp: 130432
Ion Ratio Lower Upper
117 100
201 85.7 42.7 128.1





#91

1,2-Dichlorobenzene

Concen: 46.463 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

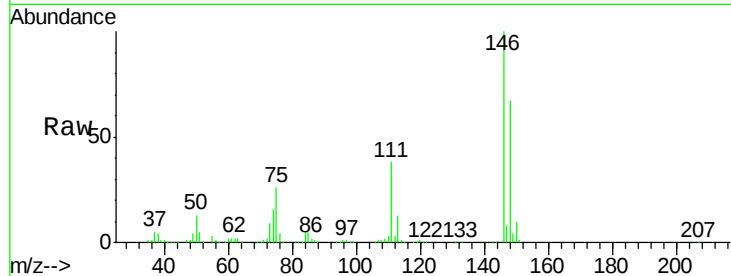
Tgt Ion:146 Resp: 296972

Ion Ratio Lower Upper

146 100

111 39.1 18.8 56.3

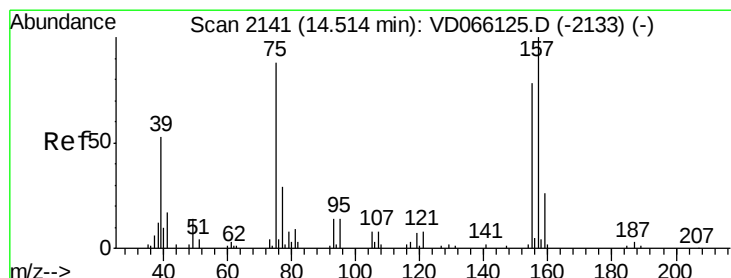
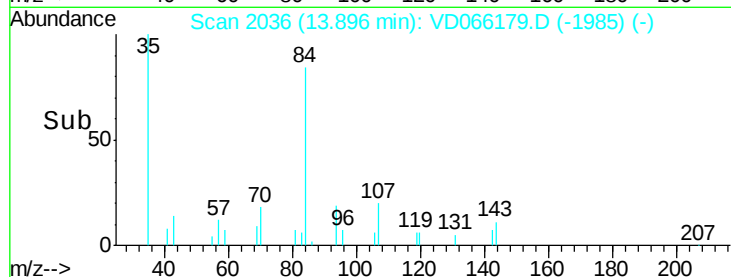
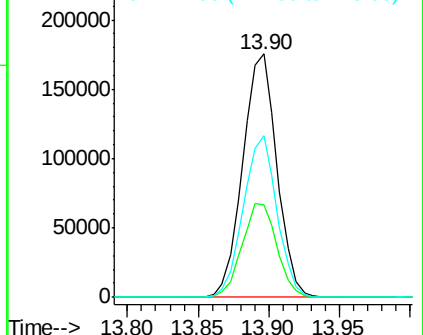
148 65.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.553 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066179.D

Acq: 11 Aug 2020 11:16

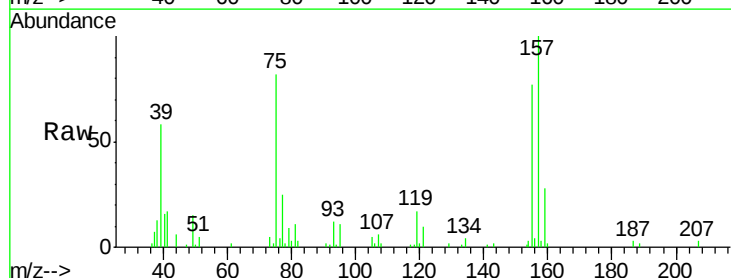
Tgt Ion: 75 Resp: 19505

Ion Ratio Lower Upper

75 100

155 98.3 47.7 143.1

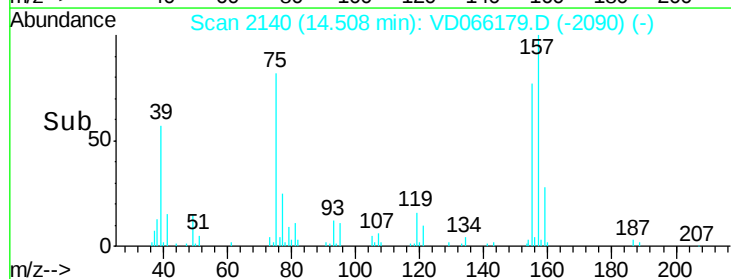
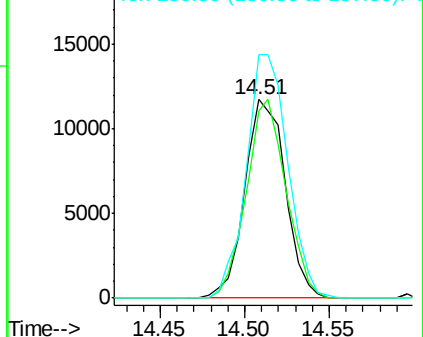
157 126.0 62.1 186.2

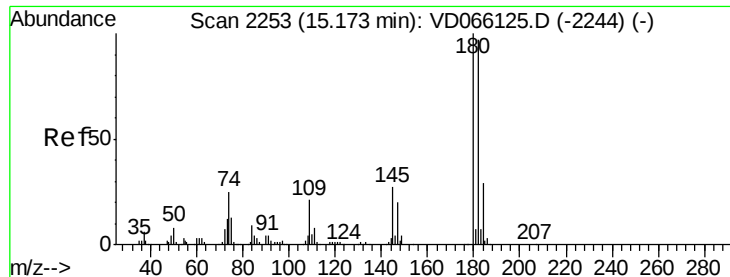


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

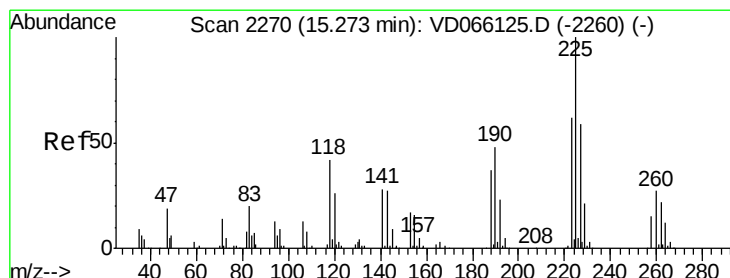
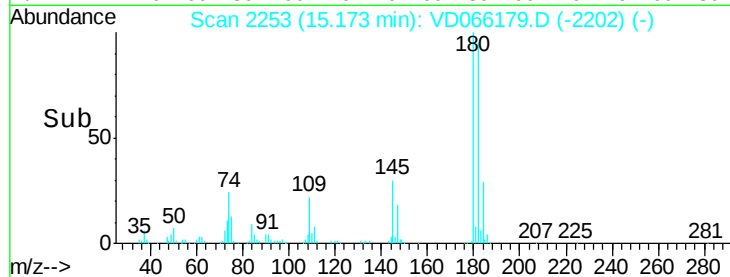
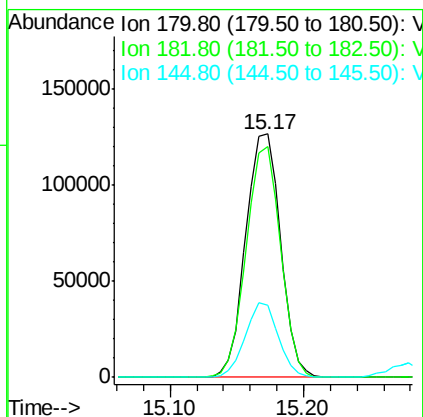
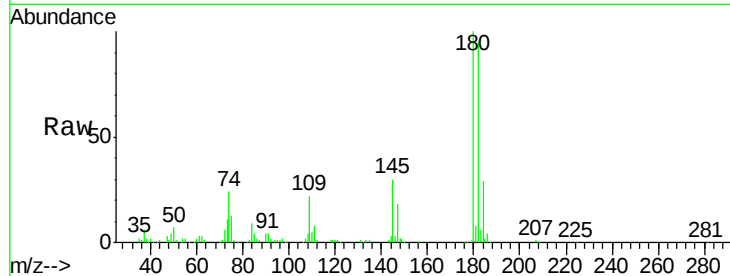




#93
 1,2,4-Trichlorobenzene
 Concen: 48.464 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

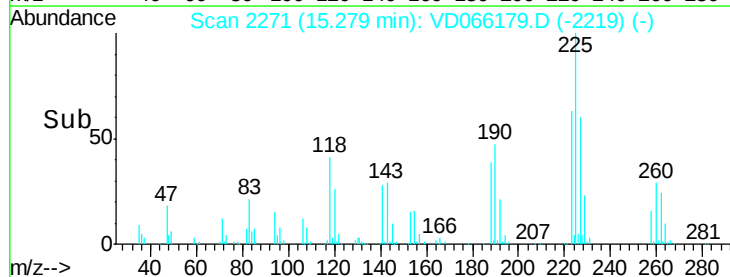
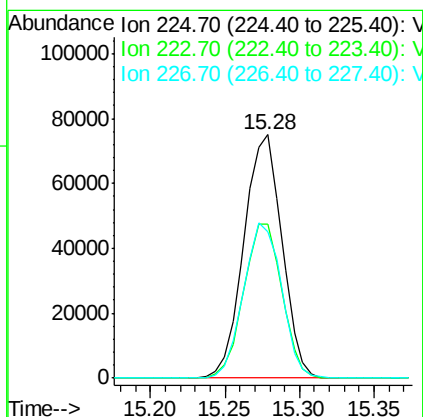
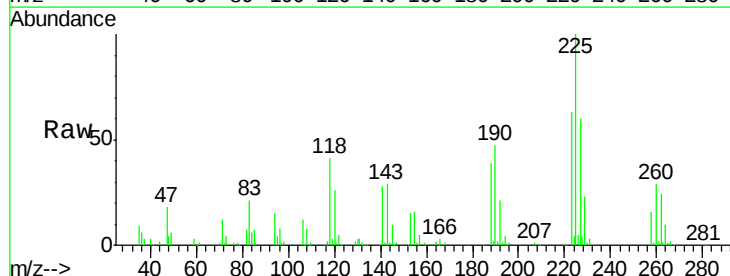
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

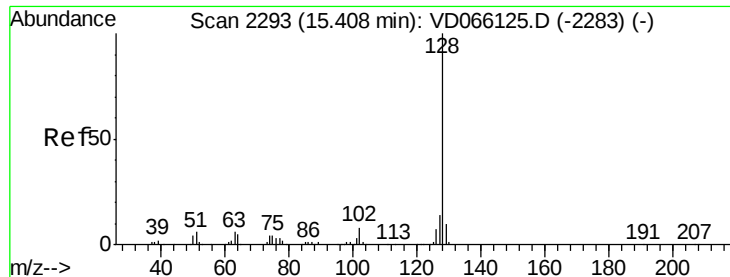
Tgt Ion:180 Resp: 228276
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.2
 145 29.1 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 47.764 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066179.D
 Acq: 11 Aug 2020 11:16

Tgt Ion:225 Resp: 132481
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.3 96.9
 227 63.7 32.1 96.5

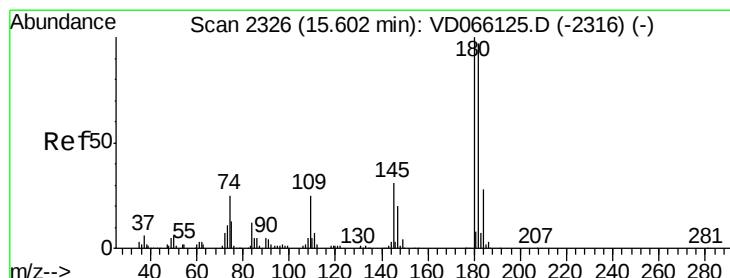
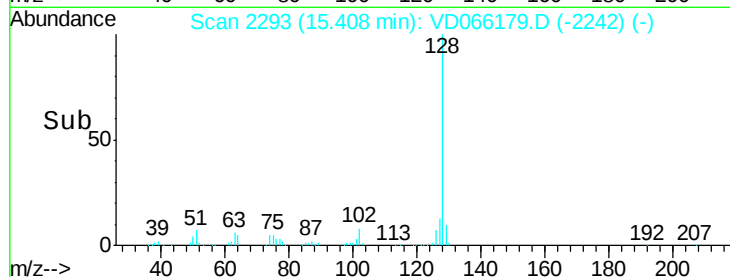
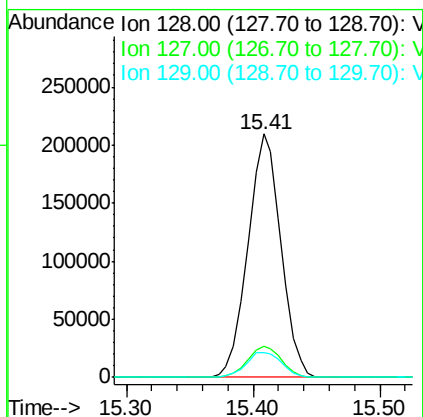
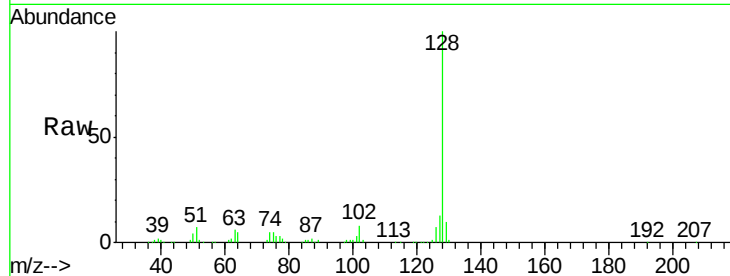




#95
Naphthalene
Concen: 49.290 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 378296
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 46.799 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066179.D
Acq: 11 Aug 2020 11:16

Tgt Ion:180 Resp: 194592
Ion Ratio Lower Upper
180 100
182 96.1 47.1 141.4
145 31.7 14.9 44.9

