

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066493.D
 Acq On : 01 Sep 2020 13:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 02 01:05:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	160167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	216203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	195910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	106058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	87849	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
35) Dibromofluoromethane	7.91	113	69417	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.34	98	262209	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.63	95	92170	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68375	50.214	ug/l	99
3) Chloromethane	2.21	50	40893	42.368	ug/l	99
4) Vinyl Chloride	2.35	62	53462	51.589	ug/l	98
5) Bromomethane	2.76	94	41772	53.891	ug/l	92
6) Chloroethane	2.91	64	33787	50.917	ug/l	95
7) Trichlorofluoromethane	3.27	101	166431	59.061	ug/l	94
8) Diethyl Ether	3.70	74	32250	51.078	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.09	101	72779	52.333	ug/l	97
10) Methyl Iodide	4.30	142	78693	49.613	ug/l	94
11) Tert butyl alcohol	5.21	59	27104	312.002	ug/l #	78
12) 1,1-Dichloroethene	4.07	96	64983	49.780	ug/l	96
13) Acrolein	3.92	56	9769	140.098	ug/l	95
14) Allyl chloride	4.71	41	73982	42.460	ug/l #	77
15) Acrylonitrile	5.42	53	57845	228.342	ug/l	98
16) Acetone	4.16	43	78735	278.122	ug/l #	88
17) Carbon Disulfide	4.40	76	171661	43.391	ug/l	99
18) Methyl Acetate	4.71	43	24143	45.439	ug/l #	85
19) Methyl tert-butyl Ether	5.48	73	172783	54.968	ug/l	99
20) Methylene Chloride	4.96	84	77312	51.266	ug/l #	91
21) trans-1,2-Dichloroethene	5.47	96	76128	50.098	ug/l	97
22) Diisopropyl ether	6.36	45	146452	43.413	ug/l #	92
23) Vinyl Acetate	6.31	43	484132	231.819	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	113942	47.795	ug/l	98
25) 2-Butanone	7.21	43	75331	234.397	ug/l	95
26) 2,2-Dichloropropane	7.21	77	151091	59.132	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	82369	50.588	ug/l	98
28) Bromochloromethane	7.54	49	33789	41.147	ug/l	83
29) Tetrahydrofuran	7.56	42	39050	213.924	ug/l	88
30) Chloroform	7.71	83	152166	55.168	ug/l	98
31) Cyclohexane	7.98	56	88743	40.702	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	169073	59.892	ug/l	99
36) 1,1-Dichloropropene	8.11	75	105950	53.708	ug/l	99
37) Ethyl Acetate	7.29	43	30846	45.974	ug/l #	91
38) Carbon Tetrachloride	8.09	117	164458	63.988	ug/l	99

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 VSTDCCC050

Quant Time: Sep 02 01:05:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	124757	53.686	ug/l	93
40) Benzene	8.34	78	269840	51.996	ug/l	95
41) Methacrylonitrile	7.56	41	25105	60.675	ug/l #	18
42) 1,2-Dichloroethane	8.42	62	114087	62.418	ug/l	99
43) Isopropyl Acetate	8.44	43	65647	48.747	ug/l #	57
44) Trichloroethene	9.11	130	92641	54.938	ug/l	93
45) 1,2-Dichloropropane	9.38	63	53604	45.562	ug/l	98
46) Dibromomethane	9.47	93	38855	53.043	ug/l	95
47) Bromodichloromethane	9.66	83	118411	58.780	ug/l	97
48) Methyl methacrylate	9.46	41	34468	49.634	ug/l #	90
49) 1,4-Dioxane	9.46	88	9239	1086.212	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	157560	241.851	ug/l	99
52) Toluene	10.40	92	192839	54.847	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	108142	56.575	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	114158	53.207	ug/l #	87
55) 1,1,2-Trichloroethane	10.80	97	50162	50.584	ug/l	92
56) Ethyl methacrylate	10.66	69	59895	52.175	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	82799	50.478	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	104739	219.679	ug/l	89
59) 2-Hexanone	10.98	43	116850	254.282	ug/l	99
60) Dibromochloromethane	11.14	129	85166	56.976	ug/l	96
61) 1,2-Dibromoethane	11.24	107	51082	52.344	ug/l	94
64) Tetrachloroethene	10.87	164	85515	57.541	ug/l	96
65) Chlorobenzene	11.67	112	215634	55.324	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	92750	58.229	ug/l	95
67) Ethyl Benzene	11.74	91	392003	57.136	ug/l	94
68) m/p-Xylenes	11.86	106	295834	113.128	ug/l	94
69) o-Xylene	12.18	106	136240	56.003	ug/l	99
70) Styrene	12.19	104	236873	56.707	ug/l	97
71) Bromoform	12.36	173	50583	55.974	ug/l #	99
73) Isopropylbenzene	12.48	105	402319	56.627	ug/l	98
74) N-amyl acetate	12.29	43	60723	47.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	45406	44.738	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	76067	101.950	ug/l #	1
77) Bromobenzene	12.76	156	95734	53.089	ug/l	95
78) n-propylbenzene	12.82	91	435306	53.436	ug/l	96
79) 2-Chlorotoluene	12.91	91	249311	53.584	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	351401	57.284	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17733	50.449	ug/l #	80
82) 4-Chlorotoluene	13.01	91	267250	54.216	ug/l	97
83) tert-Butylbenzene	13.23	119	301224	56.534	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	345283	57.307	ug/l	99
85) sec-Butylbenzene	13.40	105	393212	56.326	ug/l	98
86) p-Isopropyltoluene	13.52	119	386888	57.475	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	185997	55.255	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185026	54.744	ug/l	99
89) n-Butylbenzene	13.84	91	325638	54.820	ug/l	98
90) Hexachloroethane	14.11	117	69291	52.109	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	159457	55.027	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12480	58.628	ug/l	84

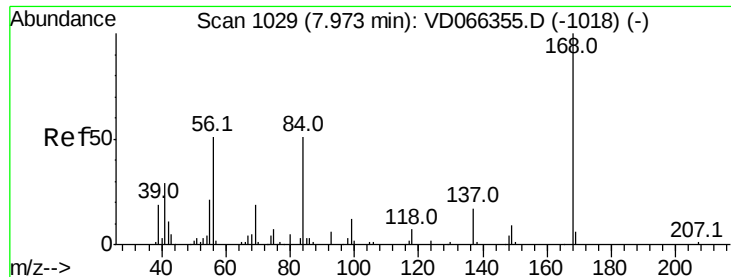
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	127668	56.434	ug/l	98
94) Hexachlorobutadiene	15.27	225	82385	58.601	ug/l	99
95) Naphthalene	15.41	128	206275	58.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	109124	56.309	ug/l	96

(#) = 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: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

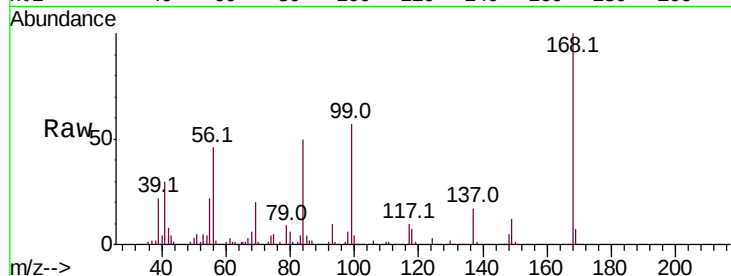
VSTDCCC050

Tot Ion:168 Resp: 160167

Ion Ratio Lower Upper

168 100

99 56.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

40000

20000

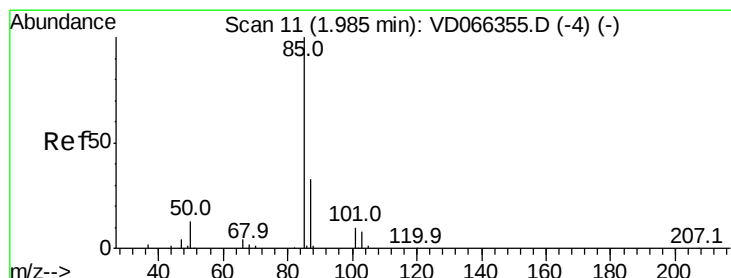
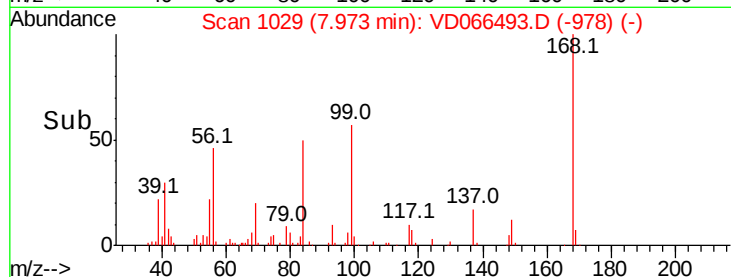
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 50.214 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066493.D

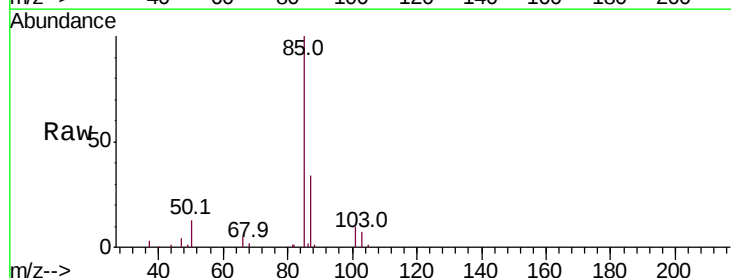
Acq: 01 Sep 2020 13:54

Tgt Ion: 85 Resp: 68375

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

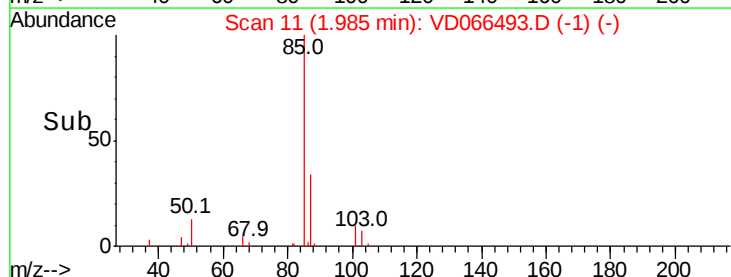
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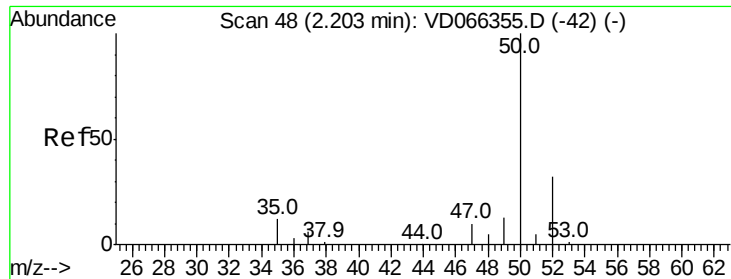
Time-->

1.95

2.00

2.05





#3

Chloromethane

Concen: 42.368 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

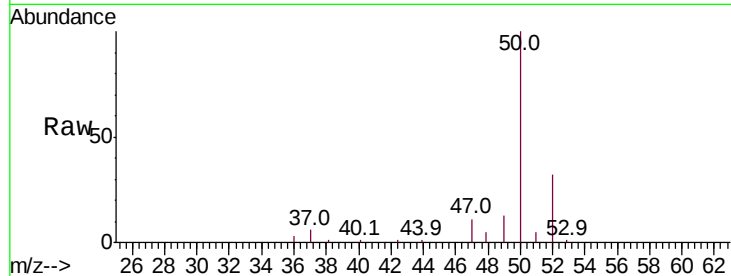
VSTDCCC050

Tot Ion: 50 Resp: 40893

Ion Ratio Lower Upper

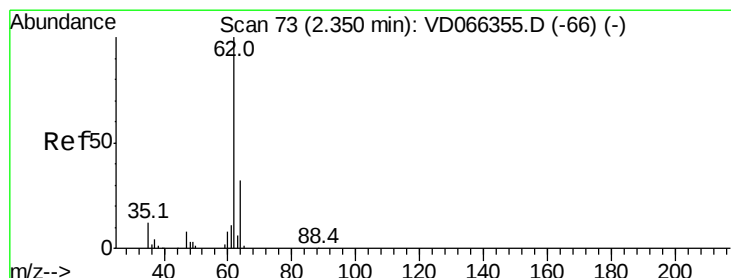
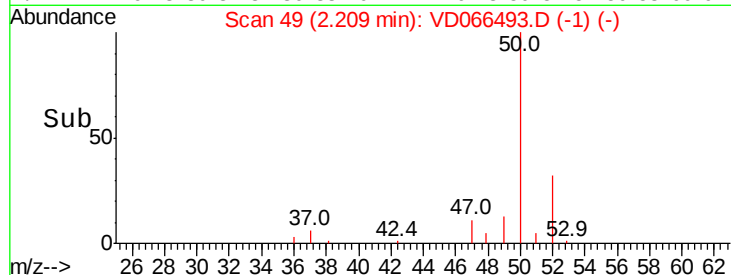
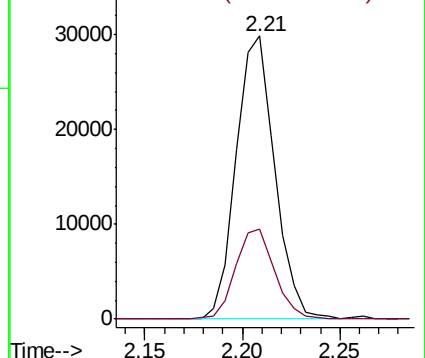
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.589 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066493.D

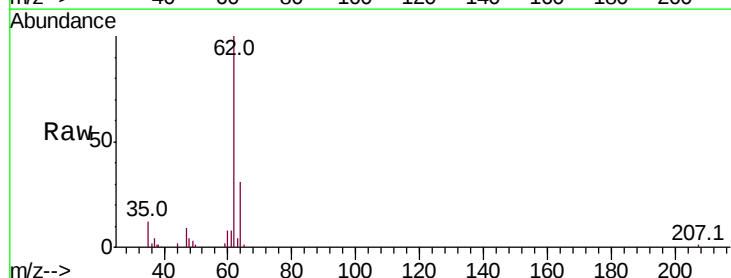
Acq: 01 Sep 2020 13:54

Tgt Ion: 62 Resp: 53462

Ion Ratio Lower Upper

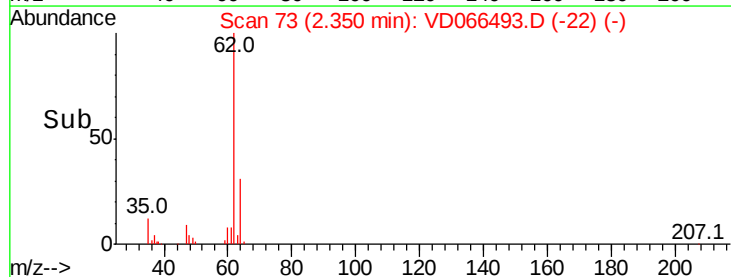
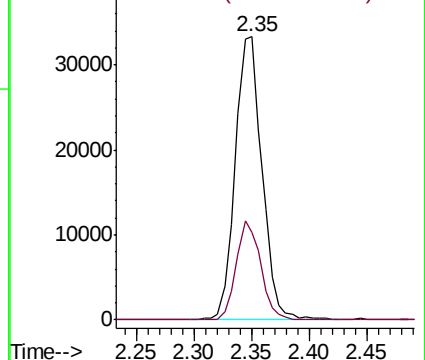
62 100

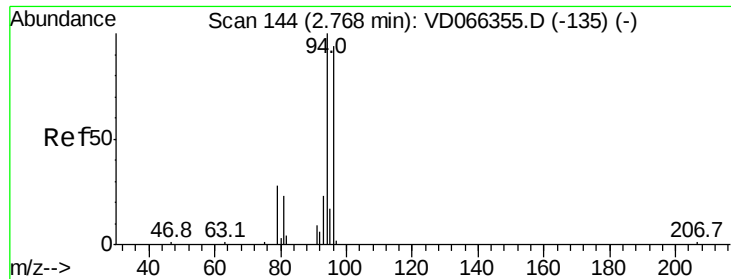
64 30.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.891 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

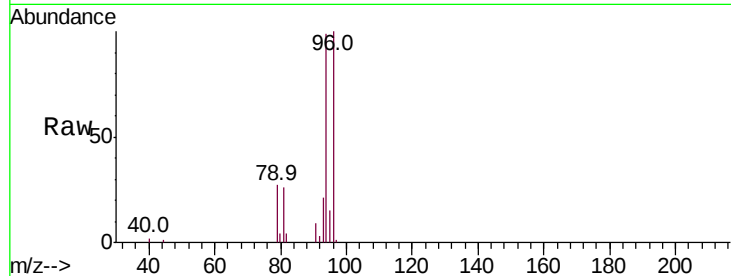
VSTDCCC050

Tot Ion: 94 Resp: 41772

Ion Ratio Lower Upper

94 100

96 101.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

15000

10000

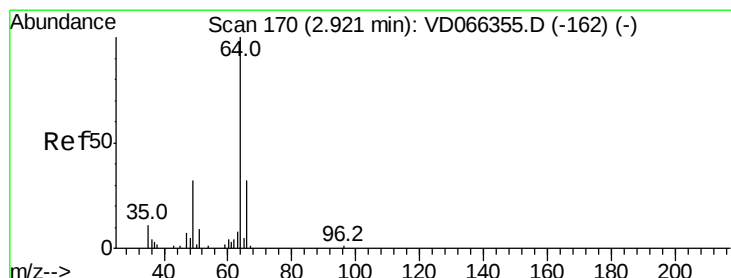
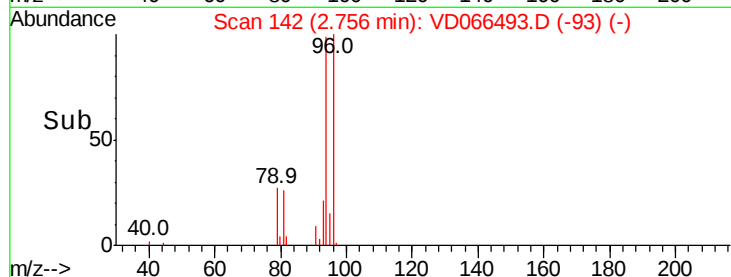
5000

0

Time-->

2.65 2.70 2.75 2.80 2.85

2.76



#6

Chloroethane

Concen: 50.917 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066493.D

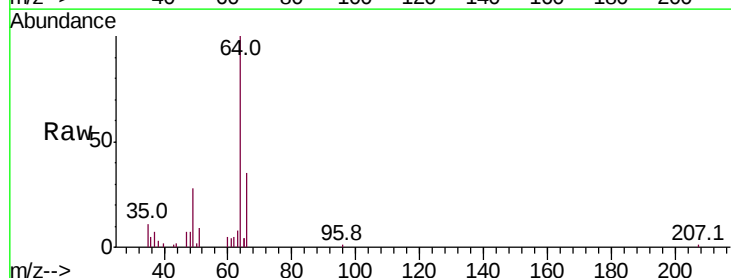
Acq: 01 Sep 2020 13:54

Tgt Ion: 64 Resp: 33787

Ion Ratio Lower Upper

64 100

66 34.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

10000

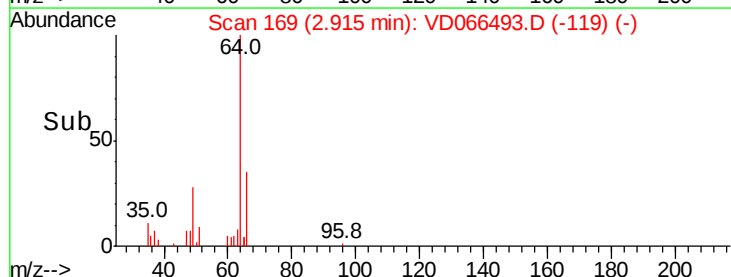
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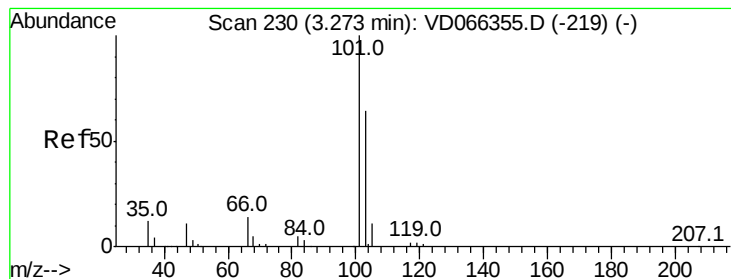
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Time-->

2.85 2.90 2.95 3.00

2.91



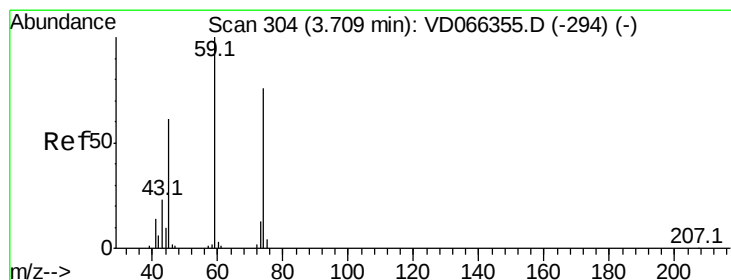
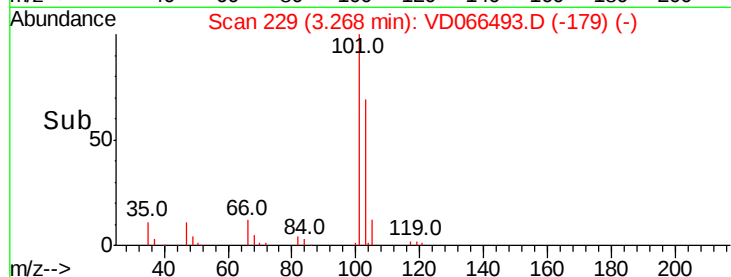
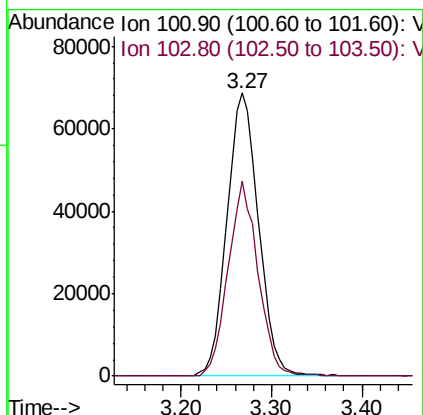
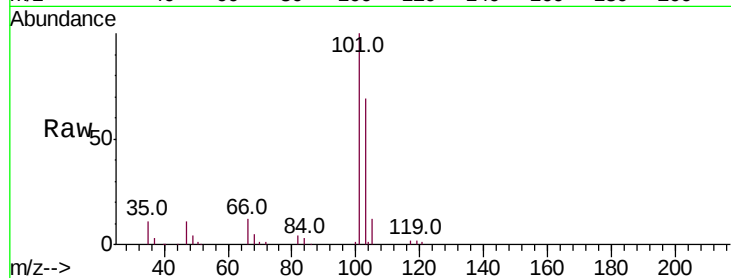


#7

Trichlorofluoromethane
Concen: 59.061 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

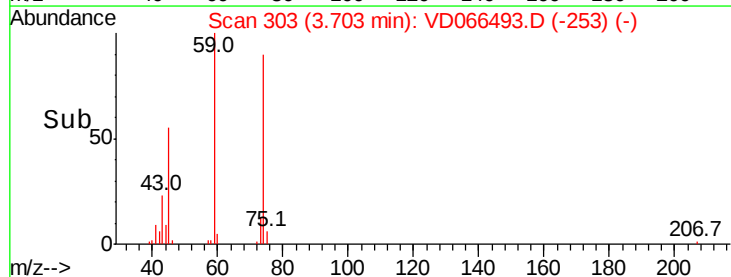
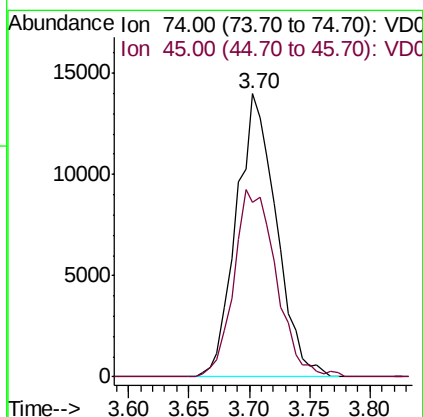
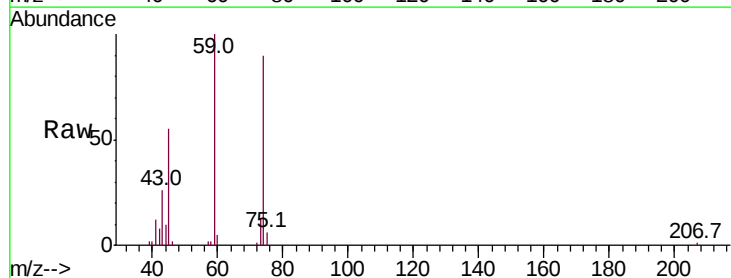
Tot Ion:101 Resp: 166431
Ion Ratio Lower Upper
101 100
103 68.9 51.4 77.0

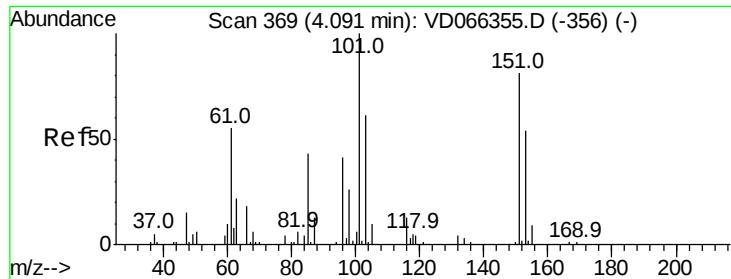


#8

Diethyl Ether
Concen: 51.078 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 74 Resp: 32250
Ion Ratio Lower Upper
74 100
45 69.8 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.333 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

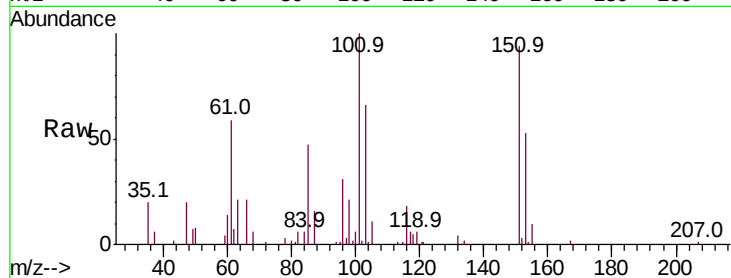
Tot Ion:101 Resp: 72779

Ion Ratio Lower Upper

101 100

85 46.1 36.4 54.6

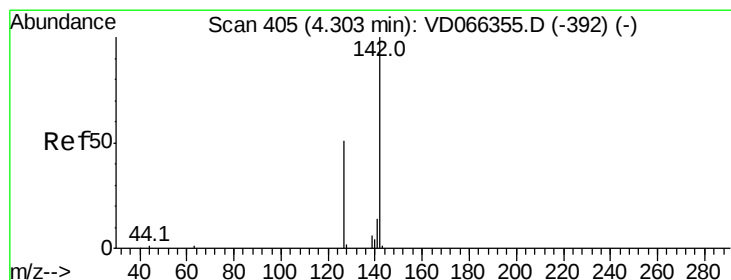
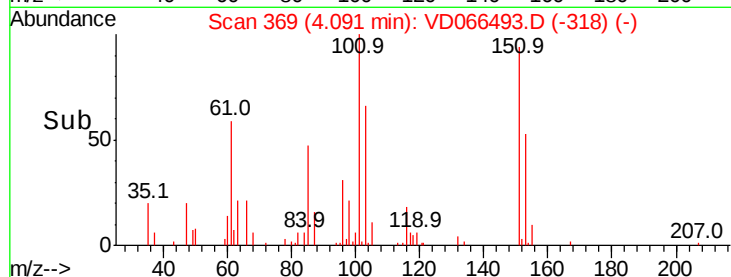
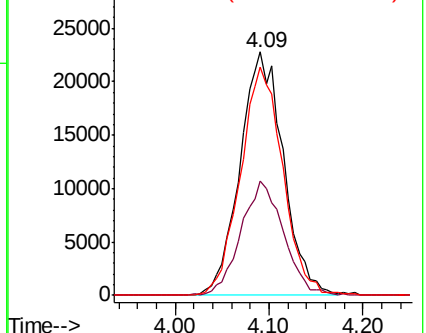
151 91.6 70.5 105.7



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: 49.613 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

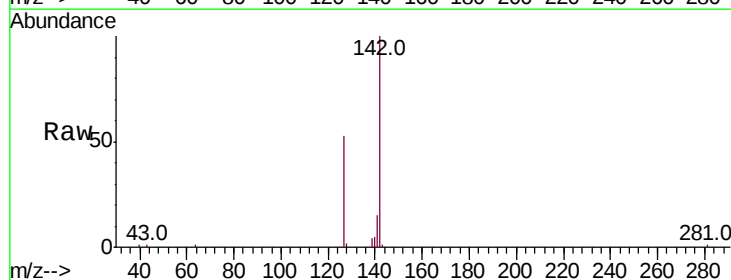
Tgt Ion:142 Resp: 78693

Ion Ratio Lower Upper

142 100

127 57.4 41.8 62.8

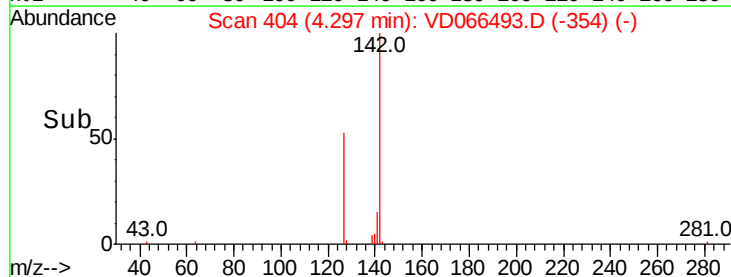
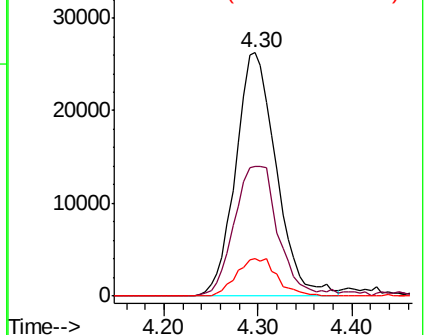
141 15.3 11.8 17.6

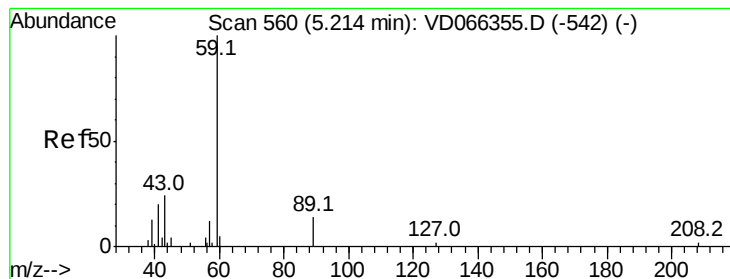


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



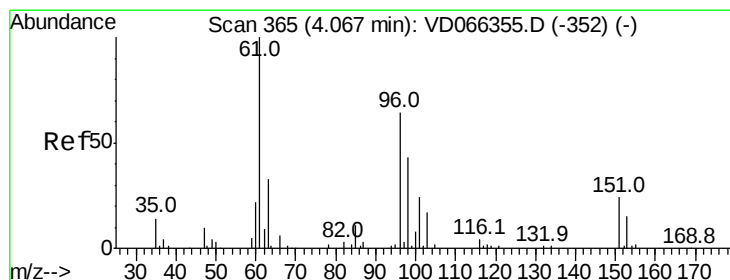
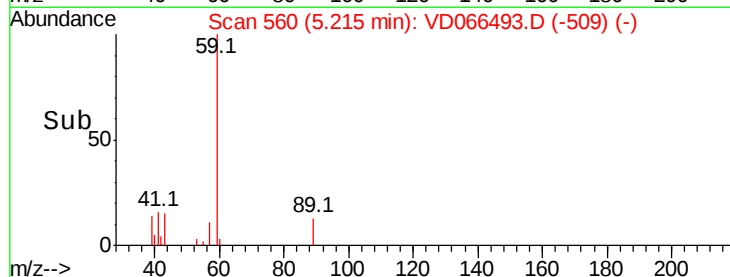
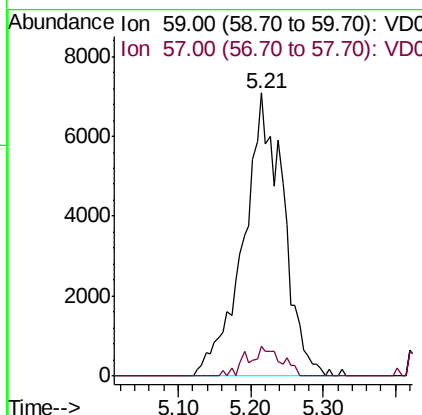
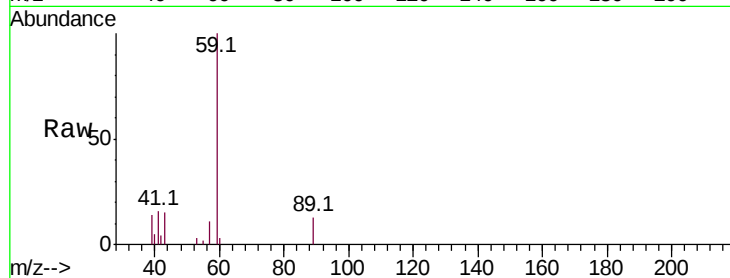


#11

Tert butyl alcohol
 Concen: 312.002 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

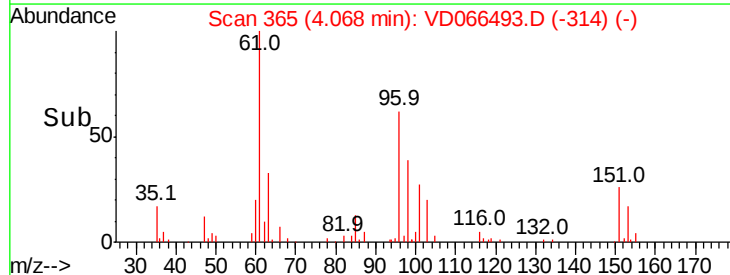
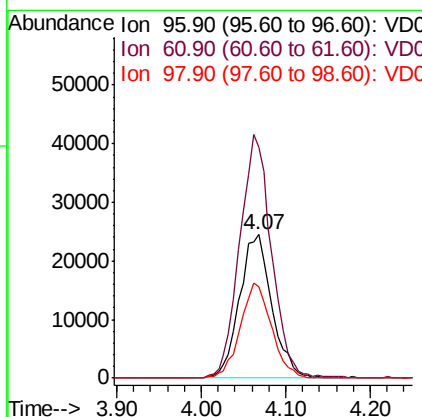
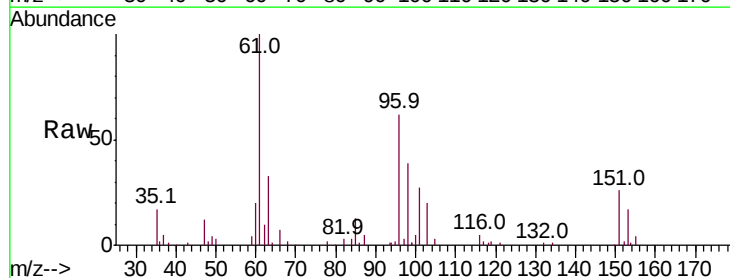
Tot Ion: 59 Resp: 27104
 Ion Ratio Lower Upper
 59 100
 57 2.9 9.0 13.4#

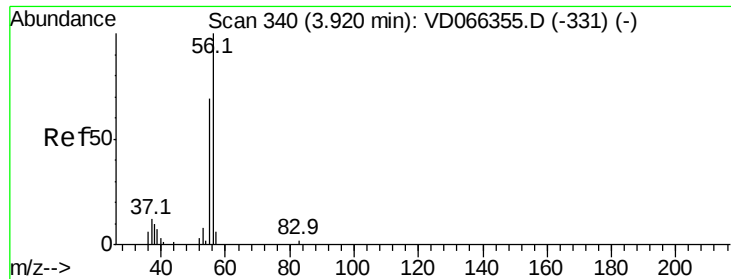


#12

1,1-Dichloroethene
 Concen: 49.780 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 96 Resp: 64983
 Ion Ratio Lower Upper
 96 100
 61 161.2 124.3 186.5
 98 63.2 53.2 79.8





#13

Acrolein

Concen: 140.098 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

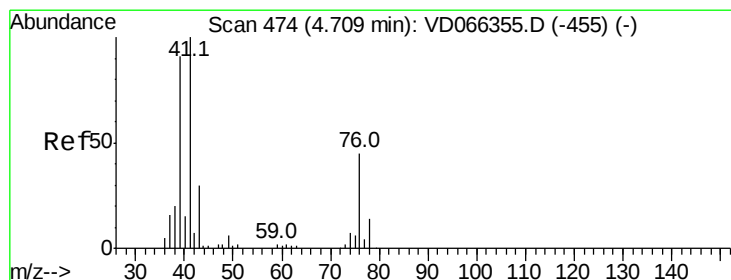
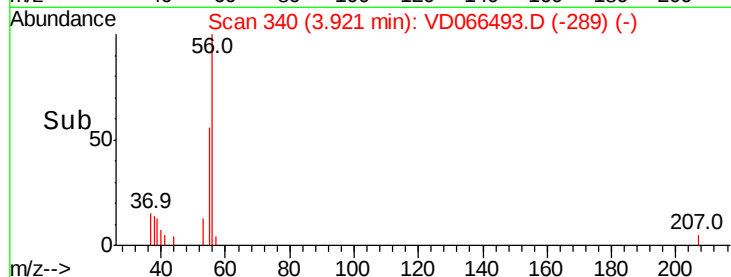
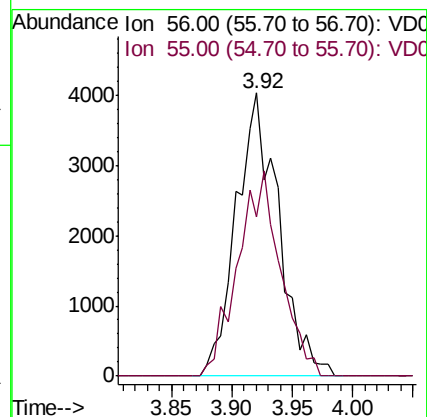
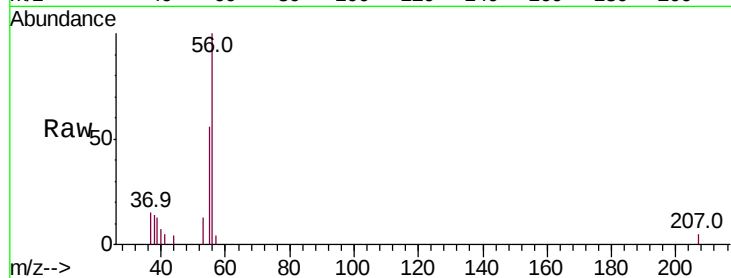
VSTDCCC050

Tot Ion: 56 Resp: 9769

Ion Ratio Lower Upper

56 100

55 73.6 55.5 83.3



#14

Allyl chloride

Concen: 42.460 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

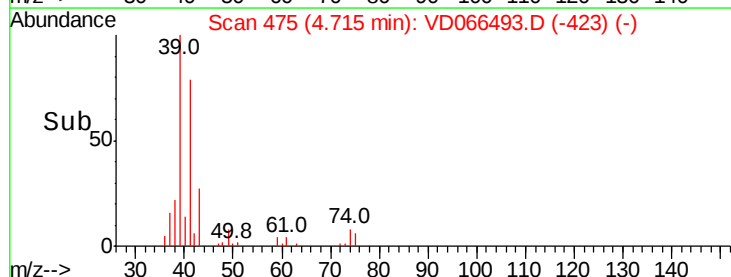
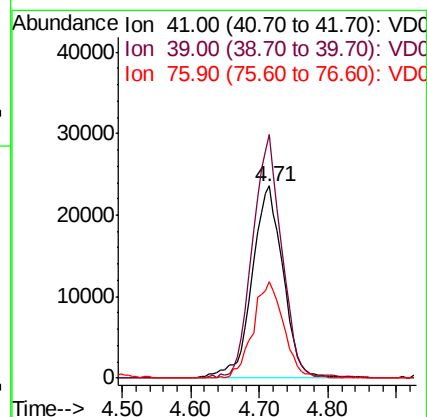
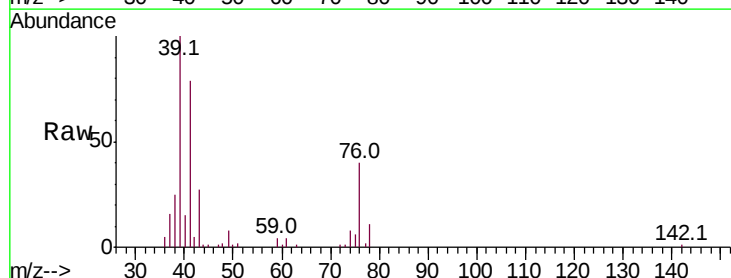
Tgt Ion: 41 Resp: 73982

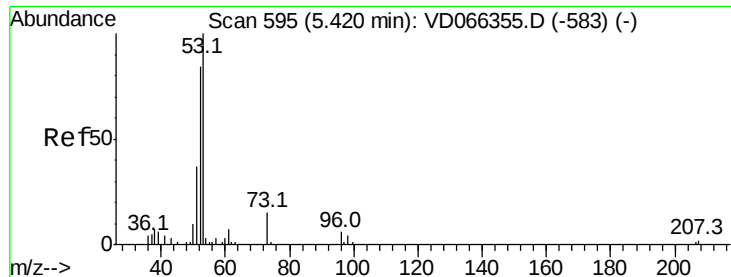
Ion Ratio Lower Upper

41 100

39 118.4 72.8 109.2#

76 49.7 34.0 51.0





#15

Acrylonitrile

Concen: 228.342 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

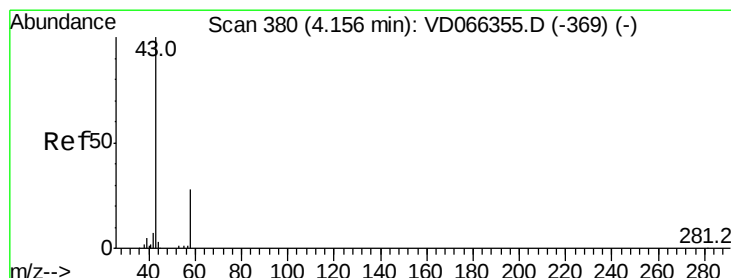
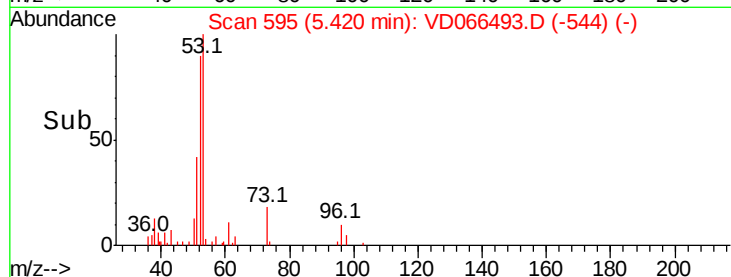
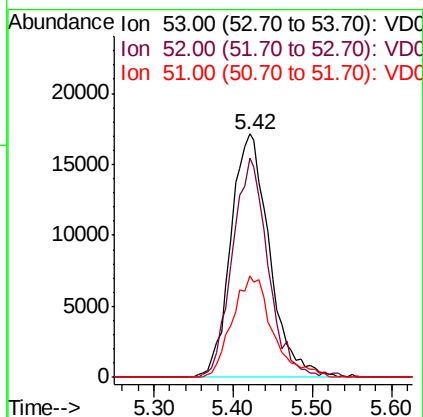
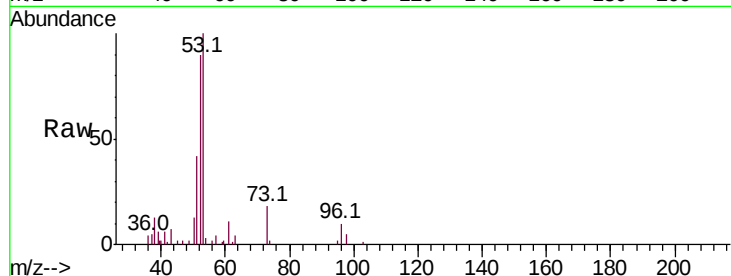
Tot Ion: 53 Resp: 57845

Ion Ratio Lower Upper

53 100

52 82.9 68.1 102.1

51 43.4 33.8 50.6



#16

Acetone

Concen: 278.122 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066493.D

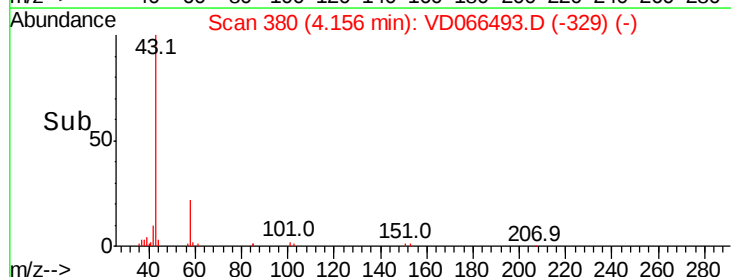
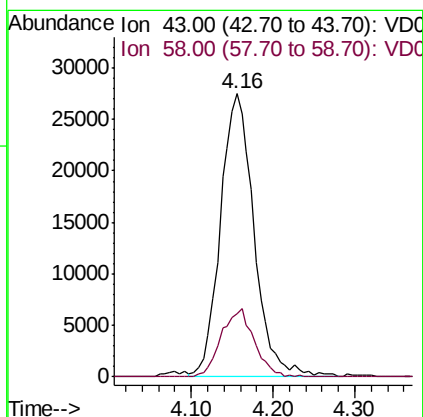
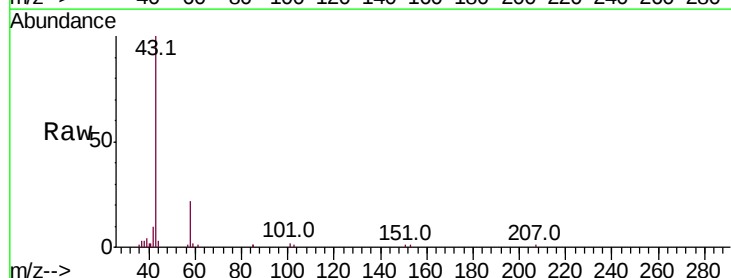
Acq: 01 Sep 2020 13:54

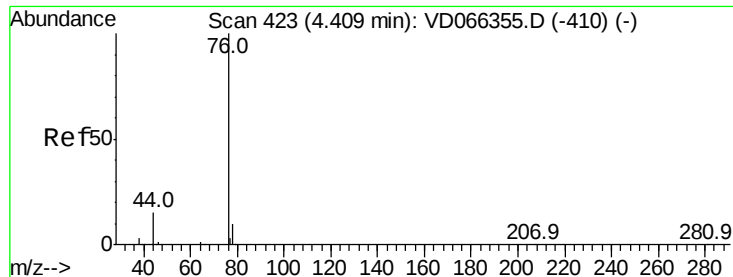
Tgt Ion: 43 Resp: 78735

Ion Ratio Lower Upper

43 100

58 22.2 22.7 34.1#

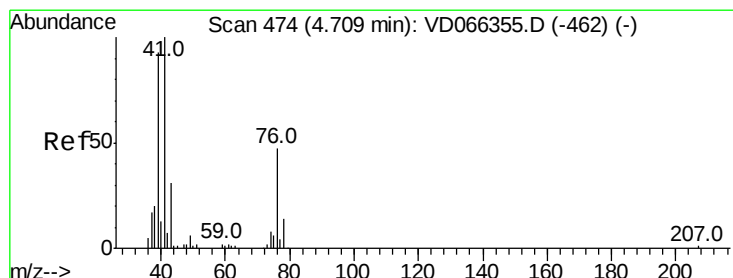
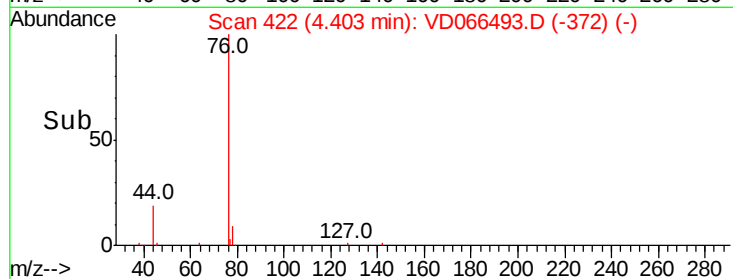
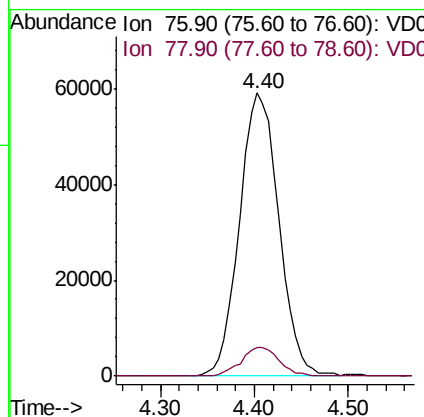
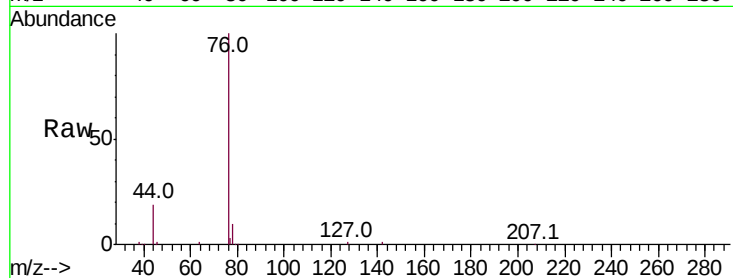




#17
Carbon Disulfide
Concen: 43.391 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

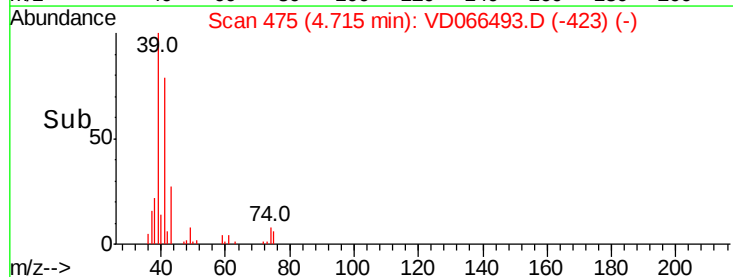
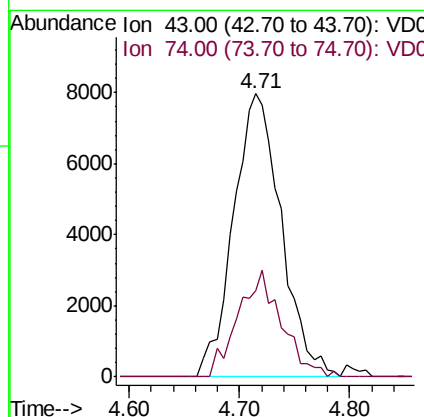
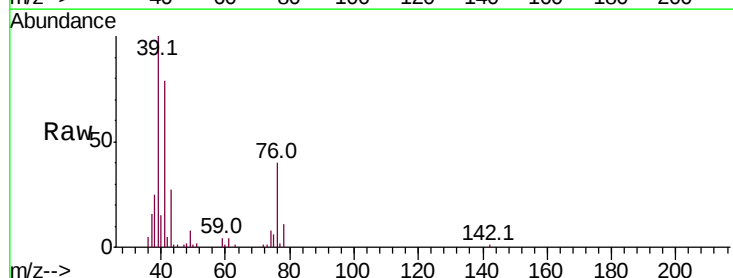
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

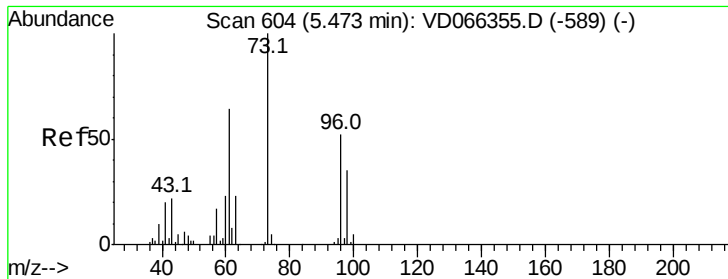
Tot Ion: 76 Resp: 171661
Ion Ratio Lower Upper
76 100
78 9.9 7.7 11.5



#18
Methyl Acetate
Concen: 45.439 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 43 Resp: 24143
Ion Ratio Lower Upper
43 100
74 34.1 21.0 31.6#



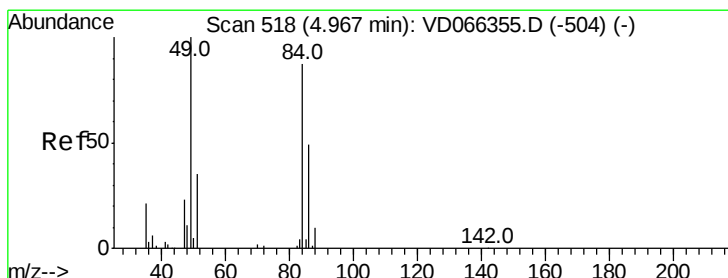
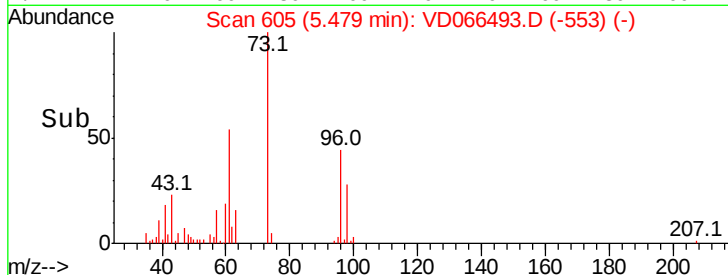
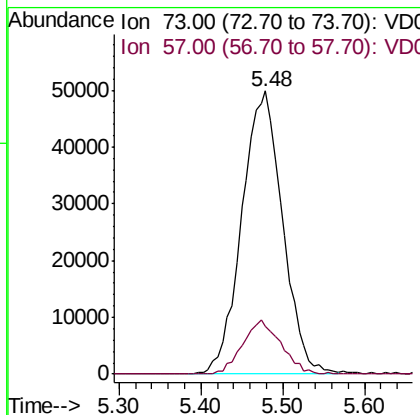
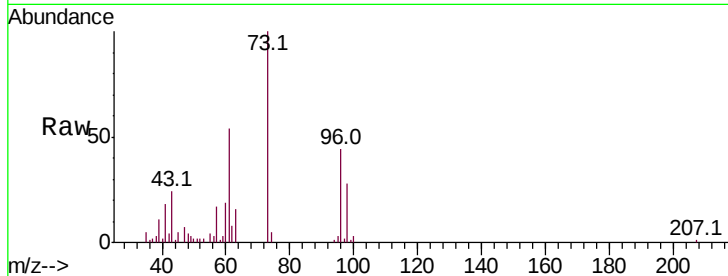


#19

Methyl tert-butyl Ether
 Concen: 54.968 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

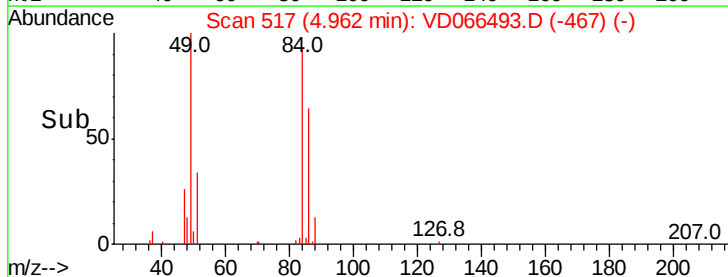
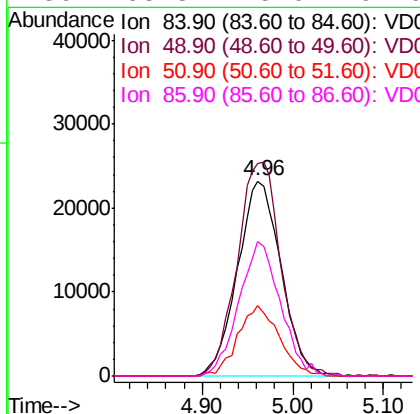
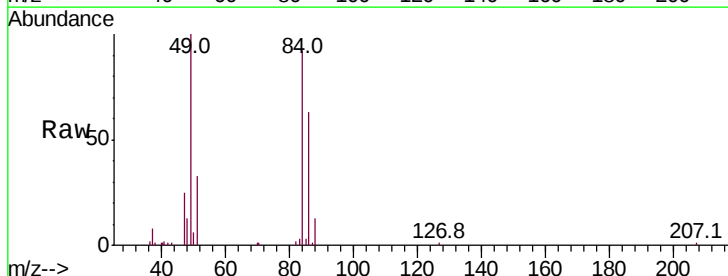
Tot Ion: 73 Resp: 172783
 Ion Ratio Lower Upper
 73 100
 57 16.8 13.8 20.6

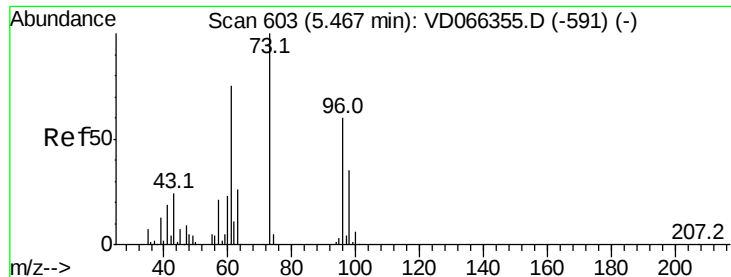


#20

Methylene Chloride
 Concen: 51.266 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 84 Resp: 77312
 Ion Ratio Lower Upper
 84 100
 49 108.8 92.5 138.7
 51 36.2 32.5 48.7
 86 68.8 45.0 67.6#





#21

trans-1,2-Dichloroethene

Concen: 50.098 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

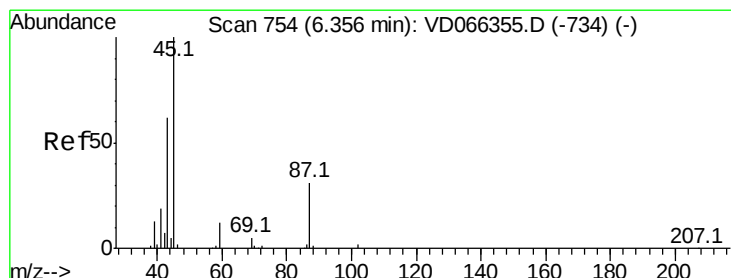
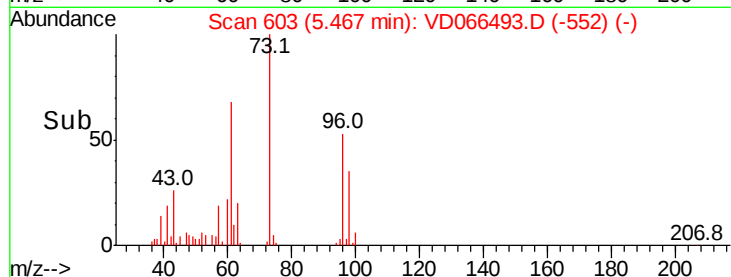
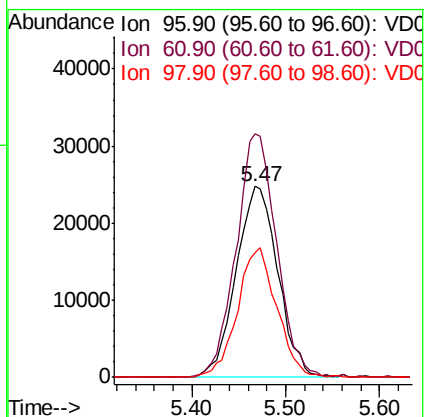
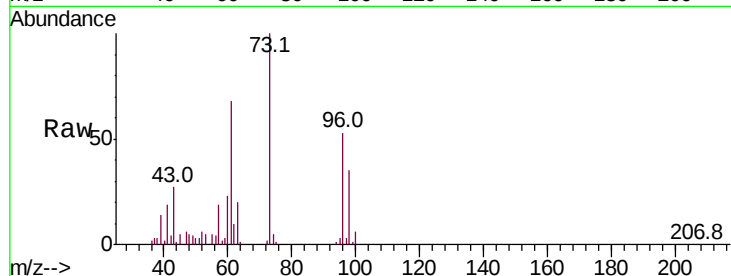
Tot Ion: 96 Resp: 76128

Ion Ratio Lower Upper

96 100

61 127.5 101.1 151.7

98 65.5 47.0 70.6



#22

Diisopropyl ether

Concen: 43.413 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Tgt Ion: 45 Resp: 146452

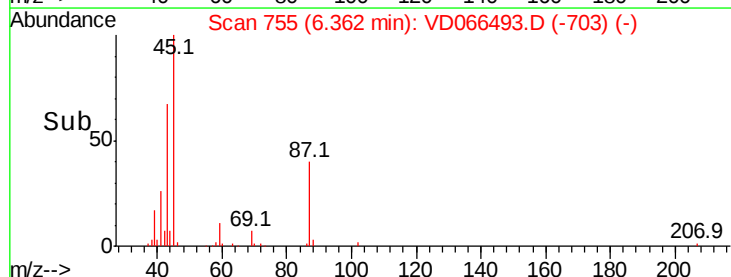
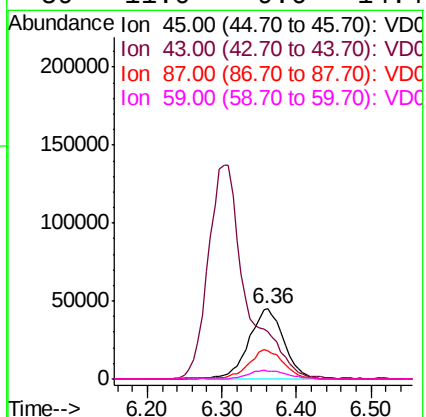
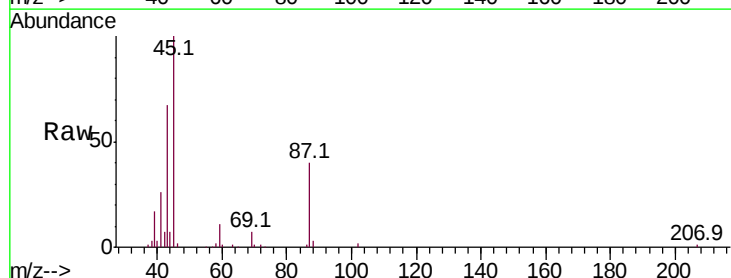
Ion Ratio Lower Upper

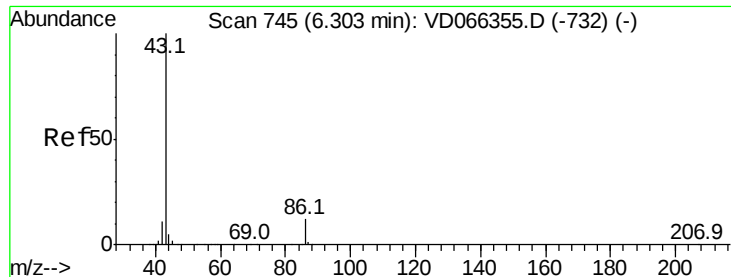
45 100

43 66.5 49.8 74.8

87 39.8 25.0 37.6#

59 11.0 9.6 14.4





#23

Vinyl Acetate

Concen: 231.819 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

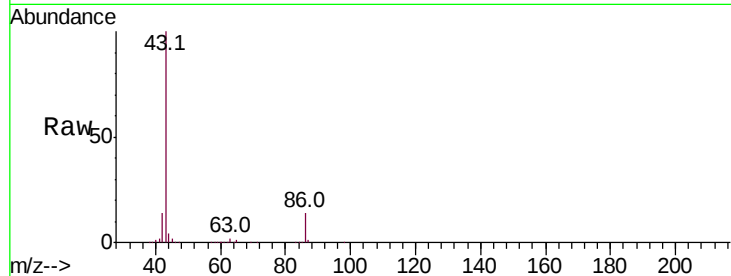
VSTDCCC050

Tot Ion: 43 Resp: 484132

Ion Ratio Lower Upper

43 100

86 14.4 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

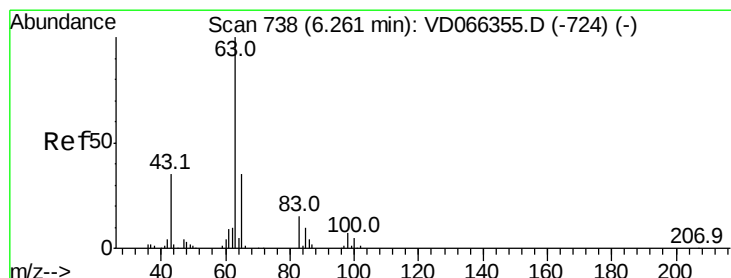
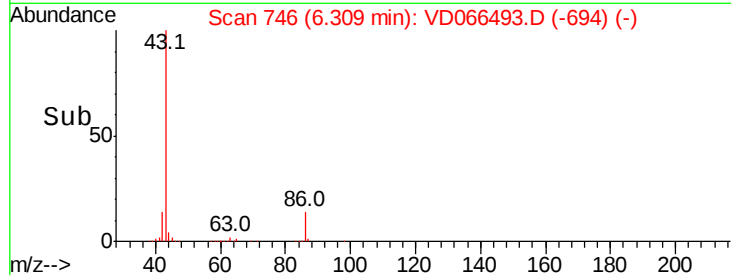
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.795 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

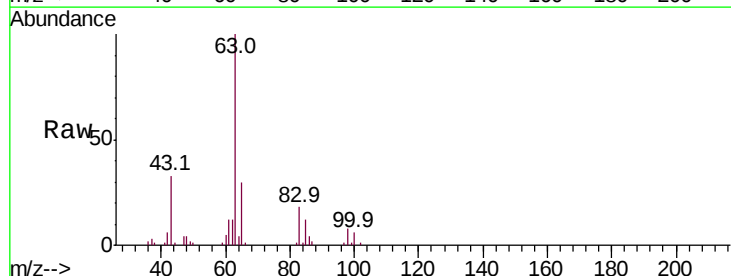
Tgt Ion: 63 Resp: 113942

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.6

100 5.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

50000

40000

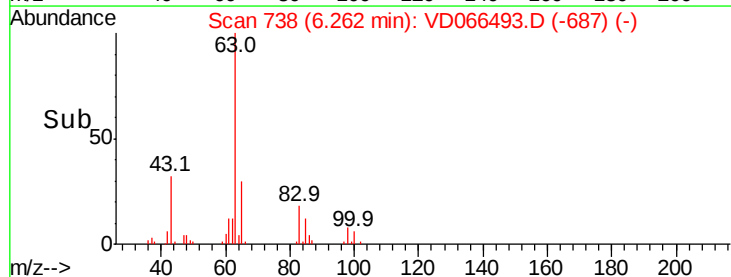
30000

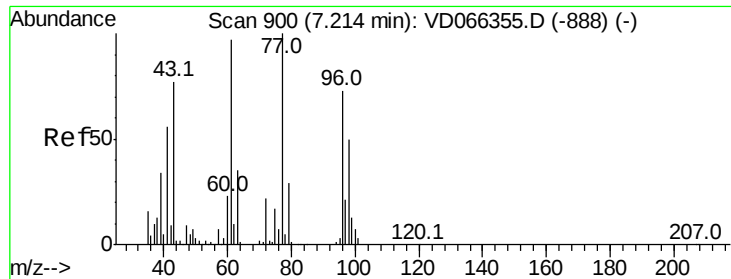
20000

10000

0

Time-->

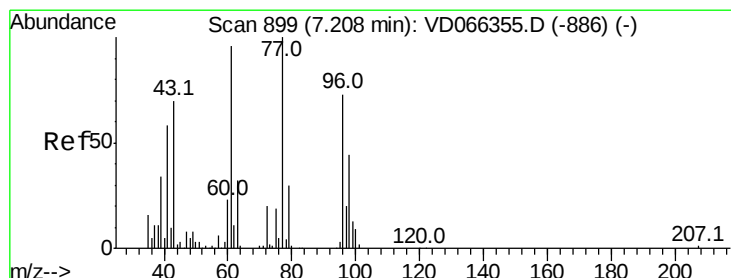
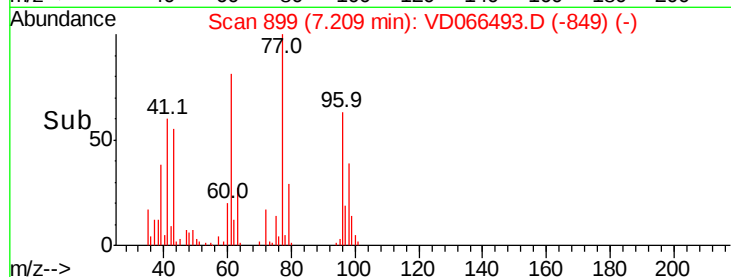
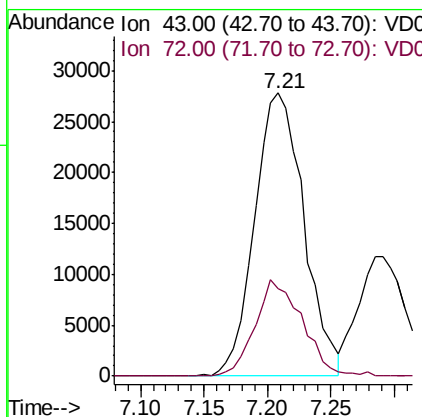
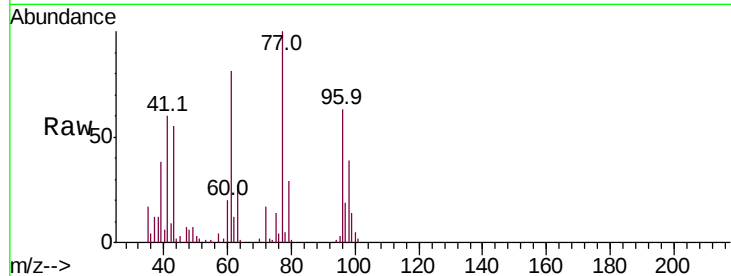




#25
 2-Butanone
 Concen: 234.397 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

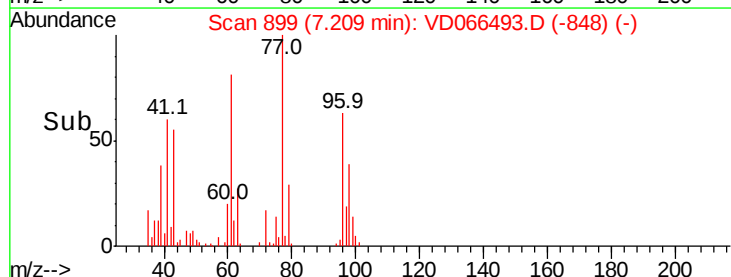
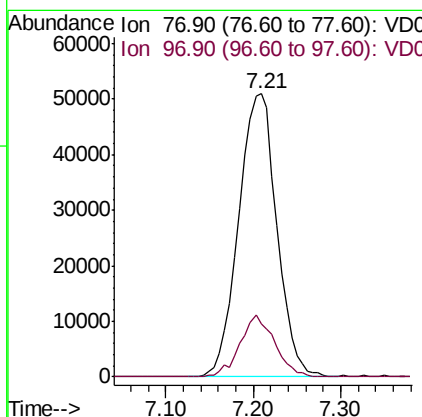
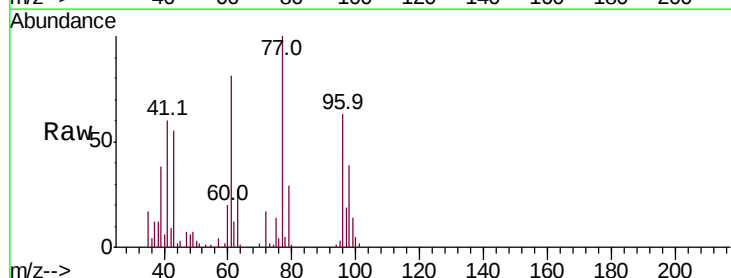
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

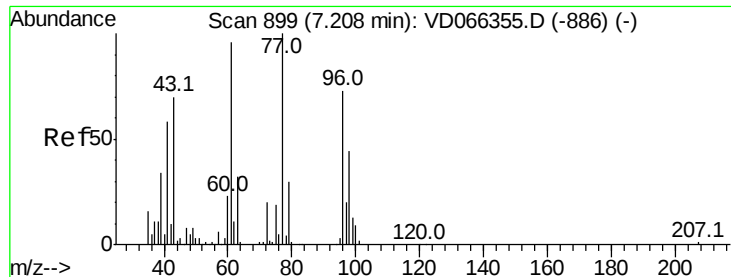
Tot Ion: 43 Resp: 75331
 Ion Ratio Lower Upper
 43 100
 72 30.9 22.5 33.7



#26
 2,2-Dichloropropane
 Concen: 59.132 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 77 Resp: 151091
 Ion Ratio Lower Upper
 77 100
 97 19.7 10.7 31.9



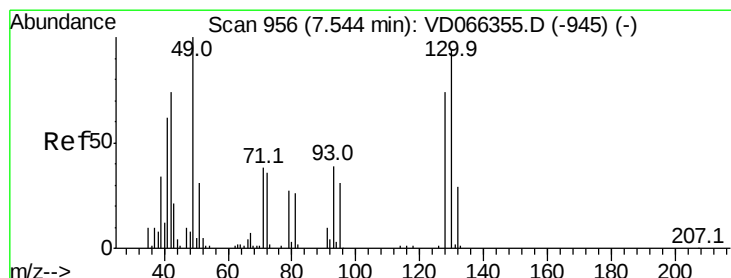
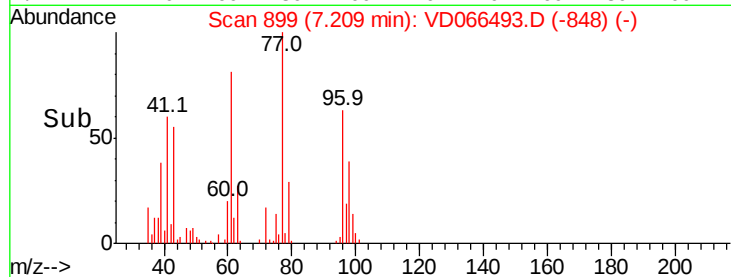
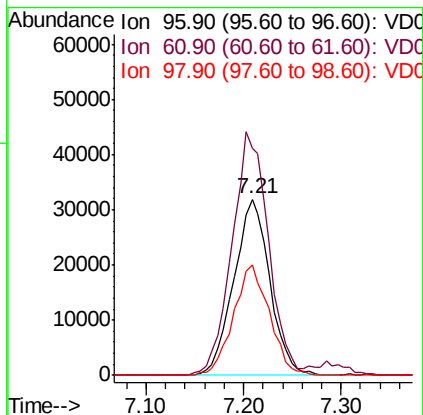
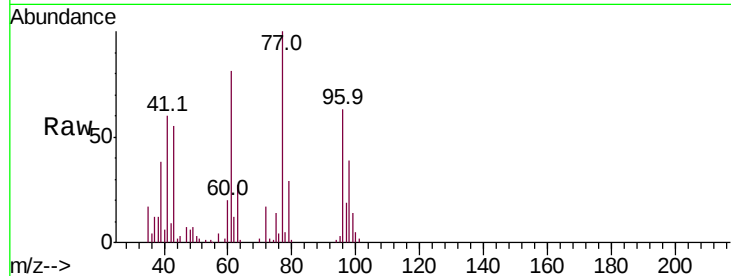


#27

cis-1,2-Dichloroethene
 Concen: 50.588 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

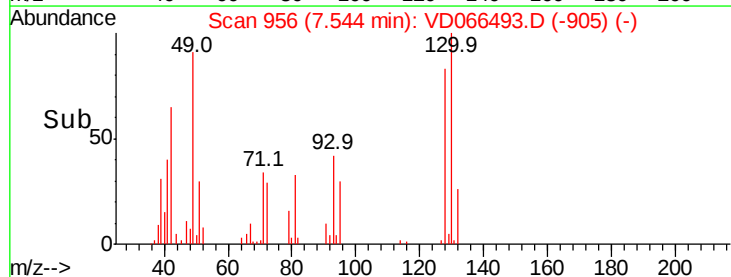
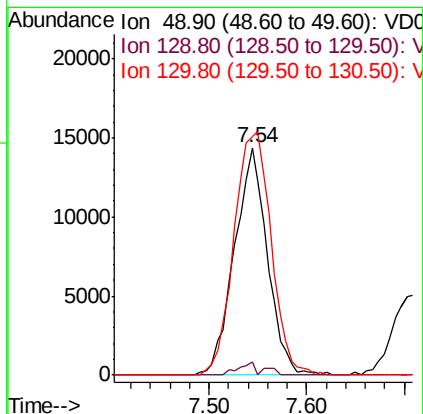
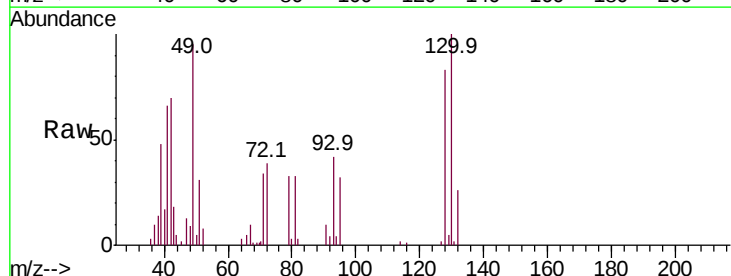
Tot Ion: 96 Resp: 82369
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 281.4
 98 62.6 0.0 132.2

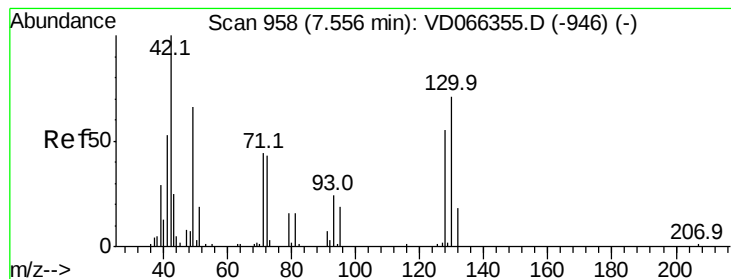


#28

Bromochloromethane
 Concen: 41.147 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 49 Resp: 33789
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 3.0
 130 121.2 82.6 124.0





#29

Tetrahydrofuran

Concen: 213.924 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

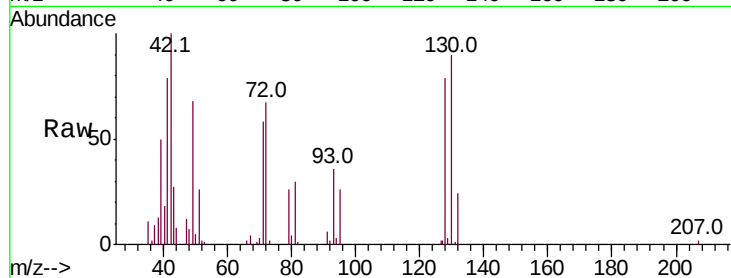
Tot Ion: 42 Resp: 39050

Ion Ratio Lower Upper

42 100

72 60.2 41.0 61.4

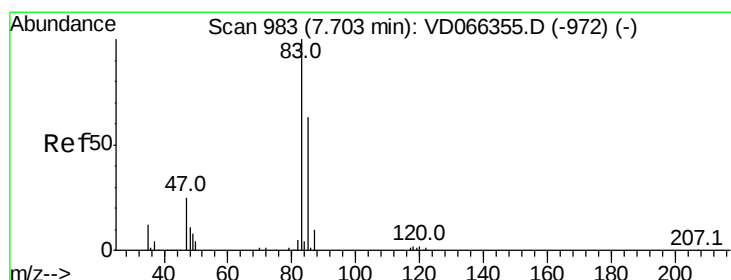
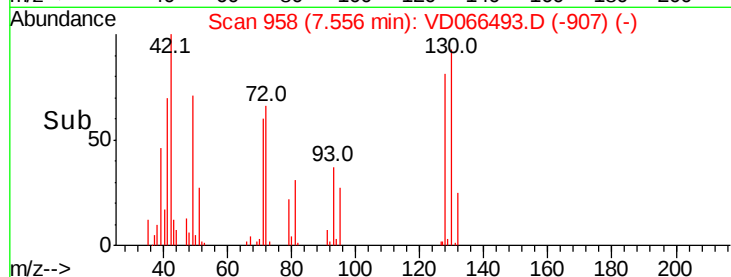
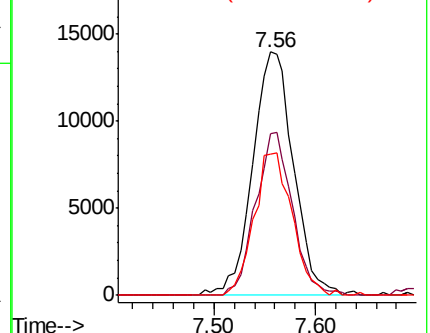
71 54.4 37.2 55.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 55.168 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066493.D

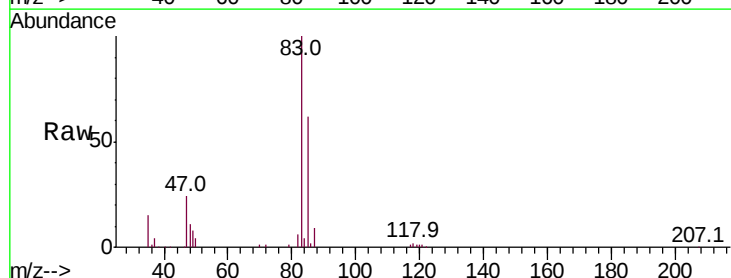
Acq: 01 Sep 2020 13:54

Tgt Ion: 83 Resp: 152166

Ion Ratio Lower Upper

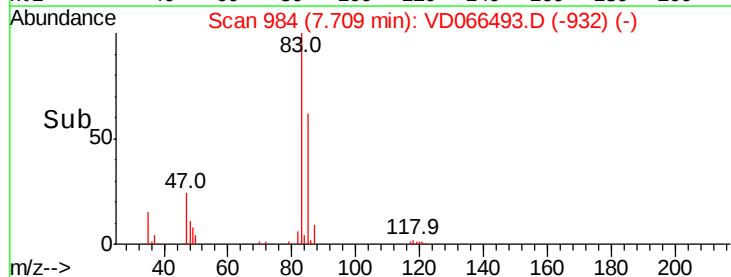
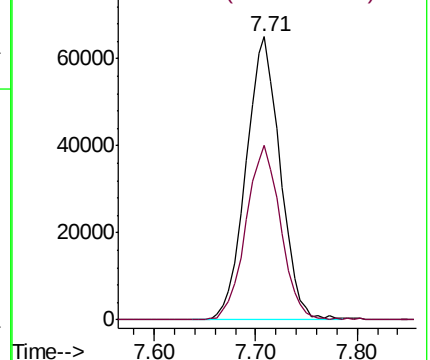
83 100

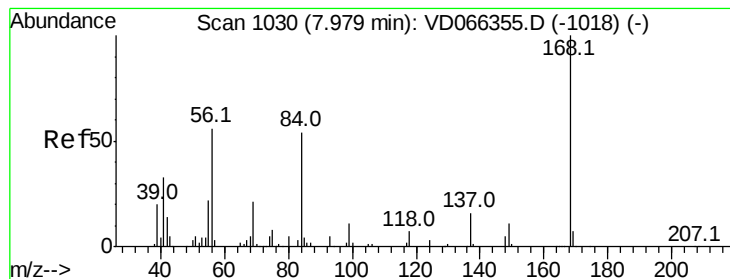
85 61.6 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 40.702 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

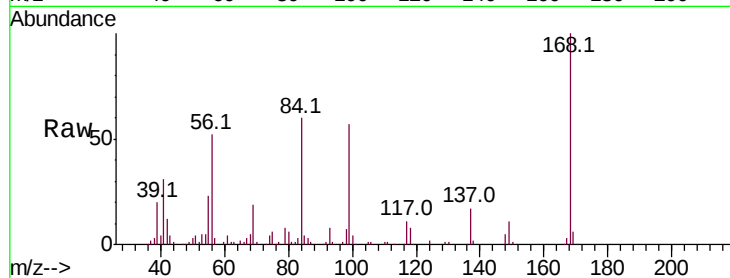
Tot Ion: 56 Resp: 88743

Ion Ratio Lower Upper

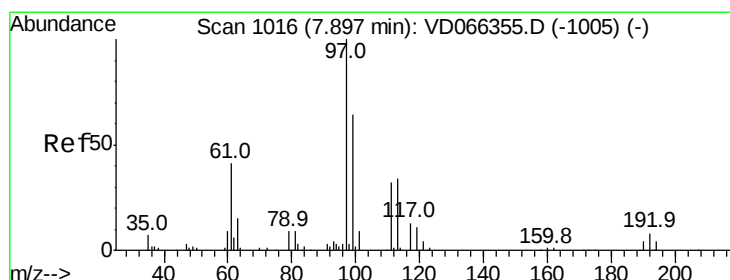
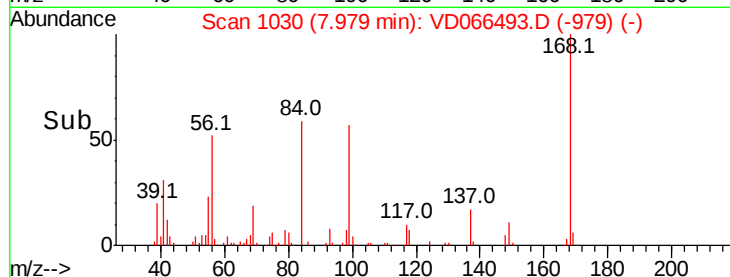
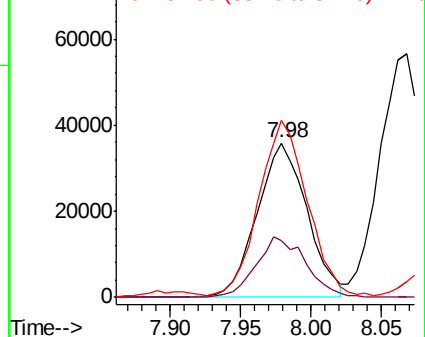
56 100

69 37.1 29.6 44.4

84 112.3 76.6 115.0



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: 59.892 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

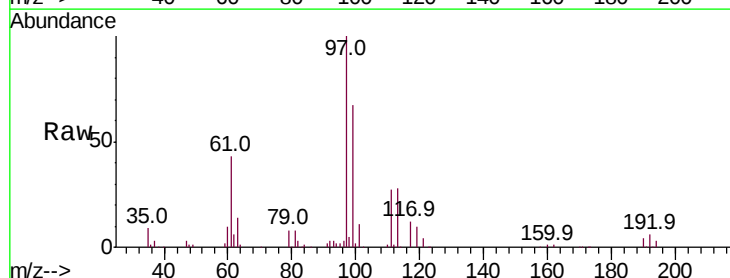
Tgt Ion: 97 Resp: 169073

Ion Ratio Lower Upper

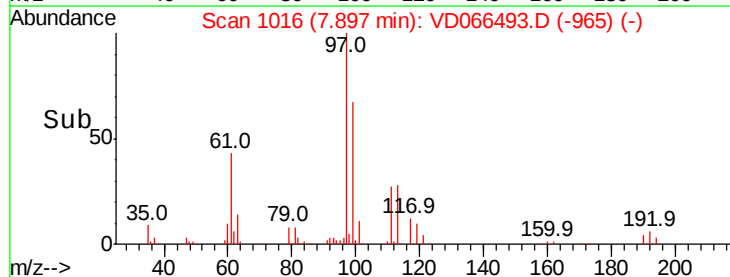
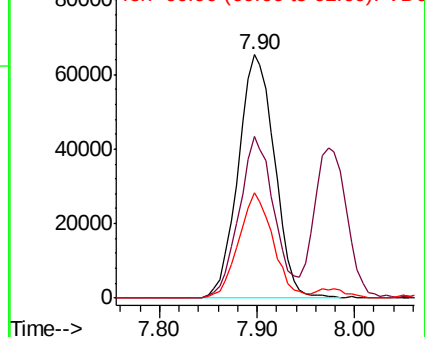
97 100

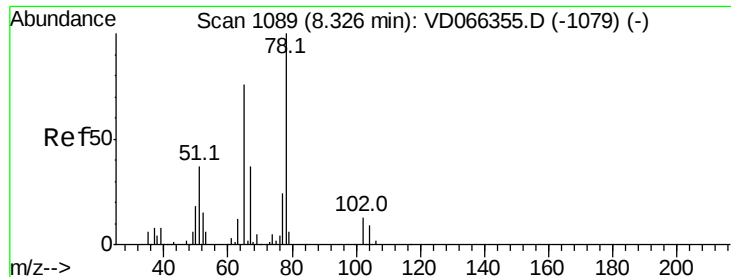
99 64.8 51.5 77.3

61 40.9 33.3 49.9



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: 55.945 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

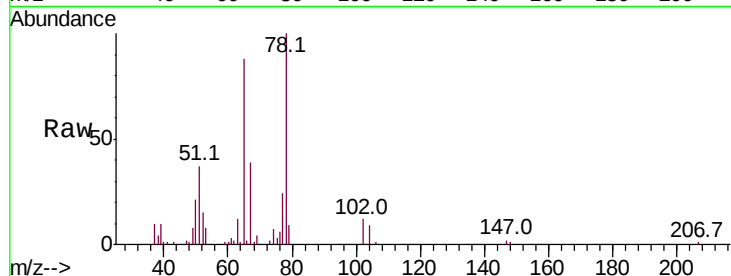
VSTDCCC050

Tot Ion: 65 Resp: 87849

Ion Ratio Lower Upper

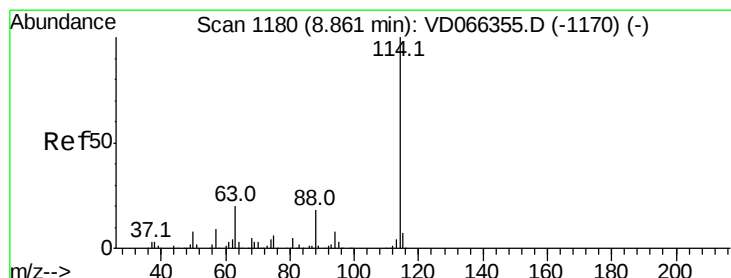
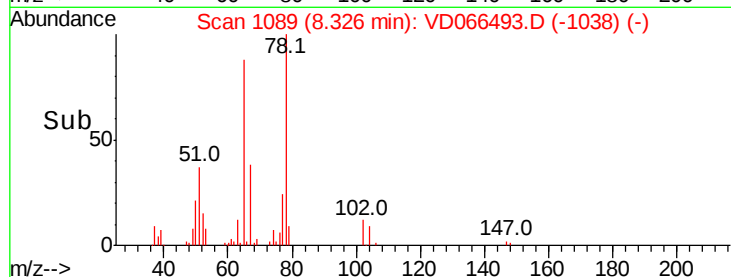
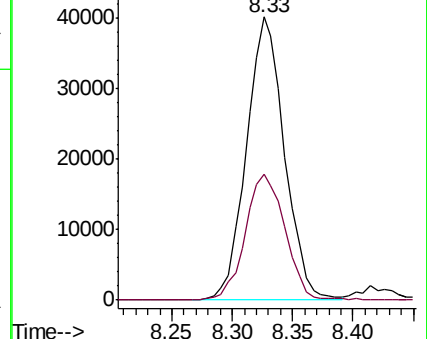
65 100

67 46.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

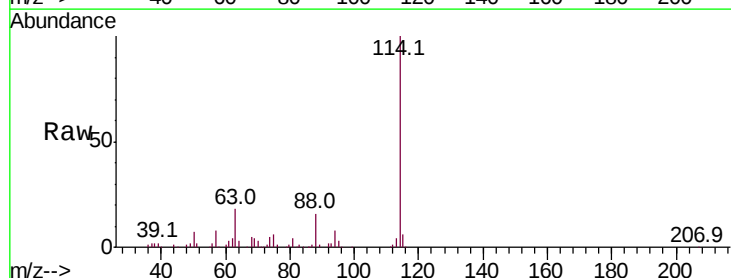
Tgt Ion: 114 Resp: 216203

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.8

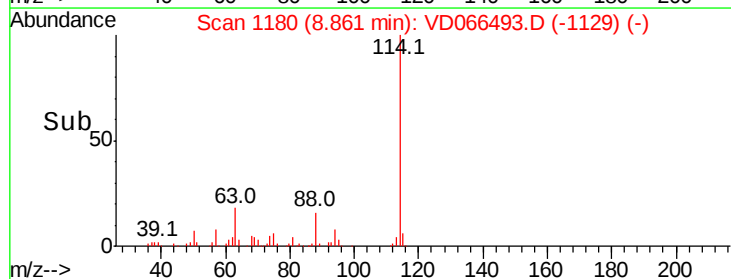
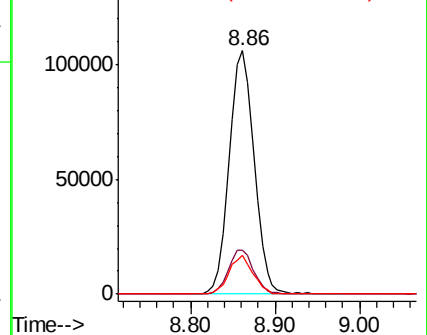
88 15.9 0.0 35.4

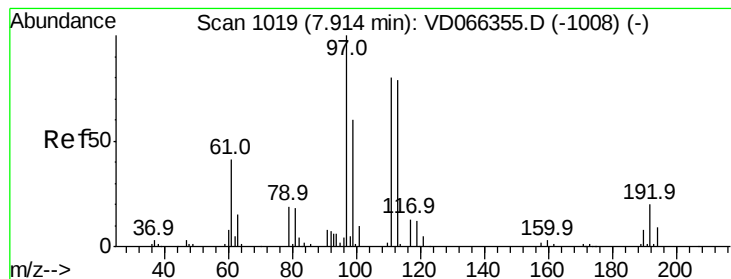


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.346 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

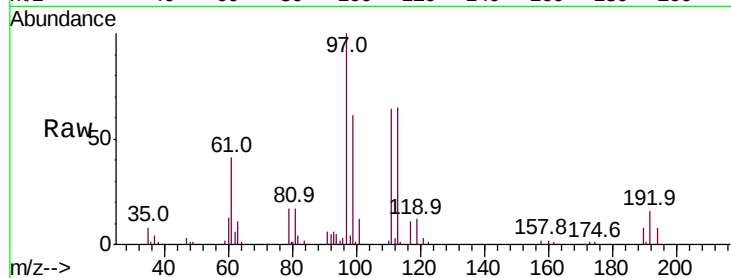
Tot Ion:113 Resp: 69417

Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.3	120.5
192	23.3	19.0	28.6

113 100

111 101.2 80.3 120.5

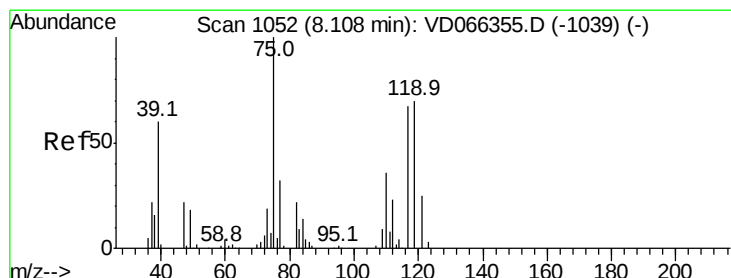
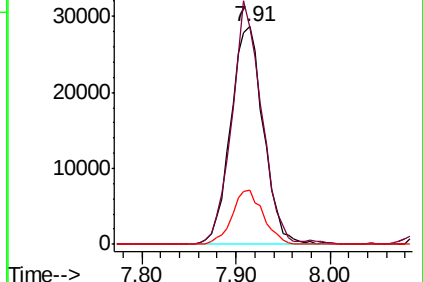
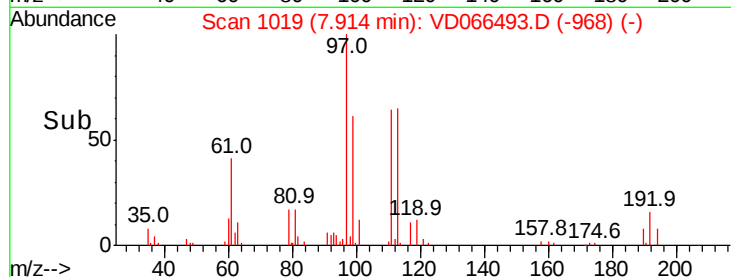
192 23.3 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.708 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

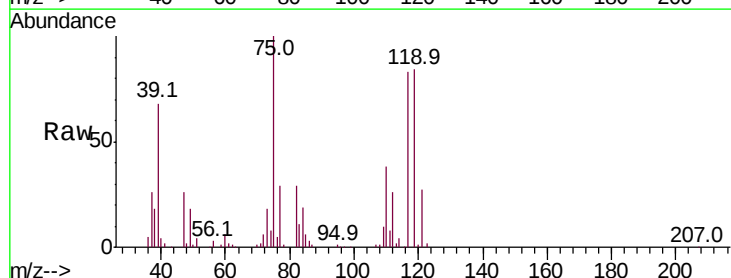
Tgt Ion: 75 Resp: 105950

Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.7	56.1
77	30.1	25.2	37.8

75 100

110 37.7 18.7 56.1

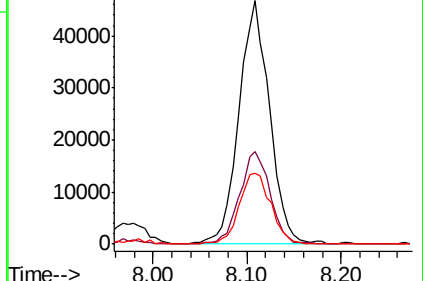
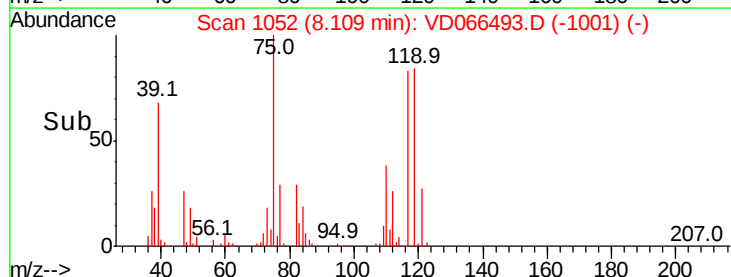
77 30.1 25.2 37.8

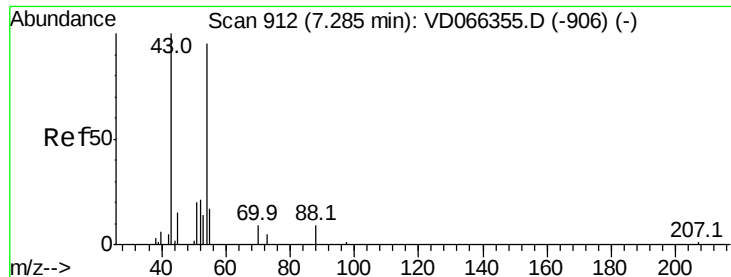


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

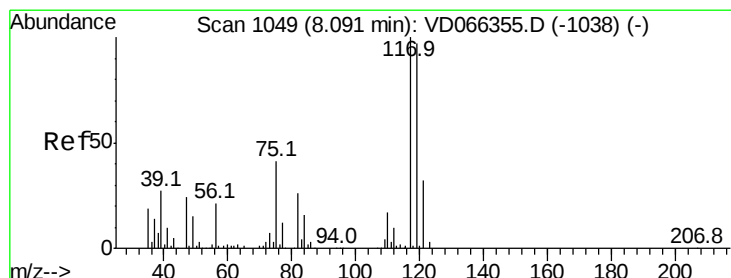
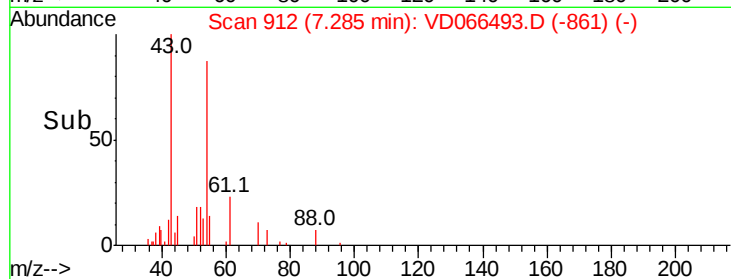
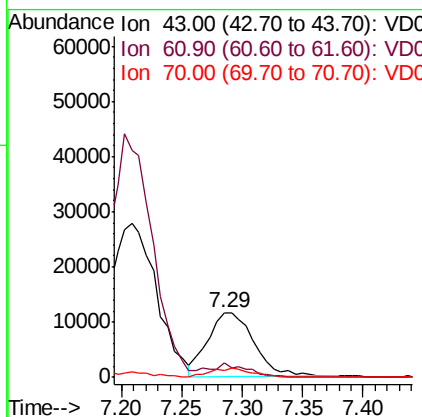
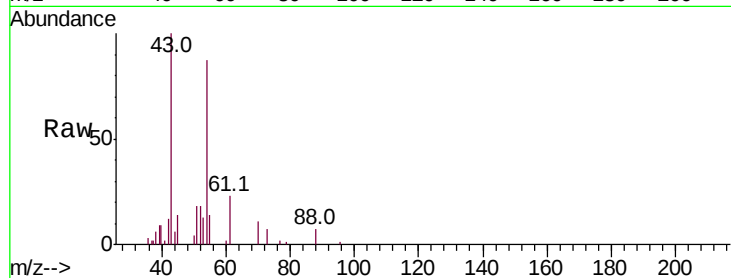




#37
Ethyl Acetate
Concen: 45.974 ug/l
RT: 7.29 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

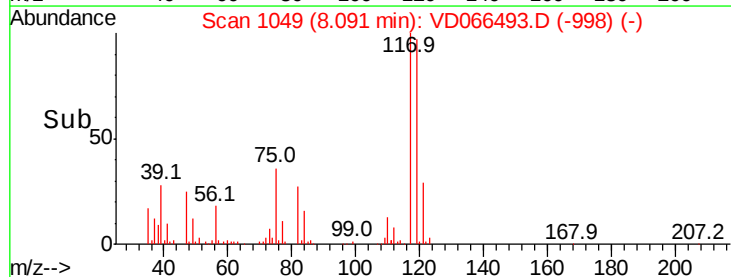
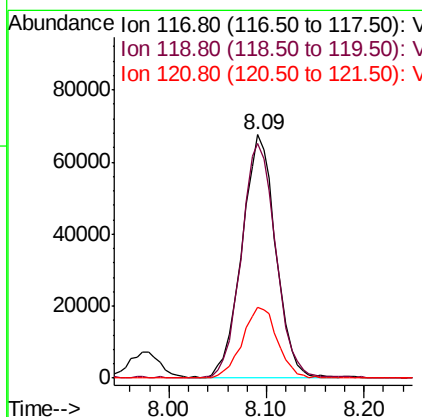
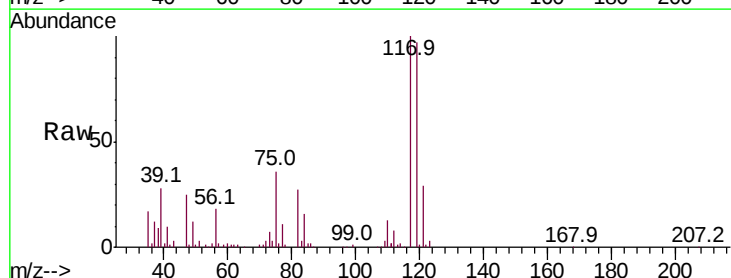
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

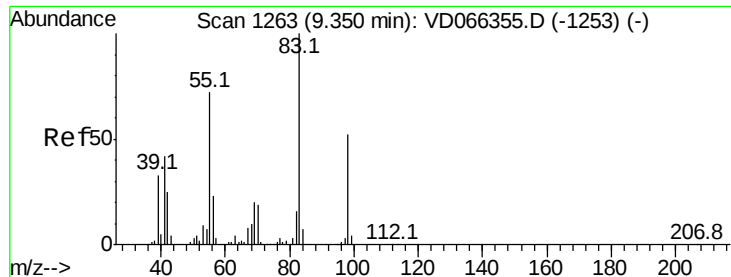
Tot Ion: 43 Resp: 30846
Ion Ratio Lower Upper
43 100
61 14.4 13.3 19.9
70 12.6 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 63.988 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 117 Resp: 164458
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 29.2 25.8 38.8

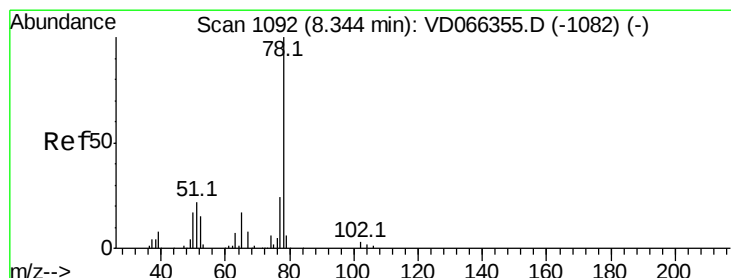
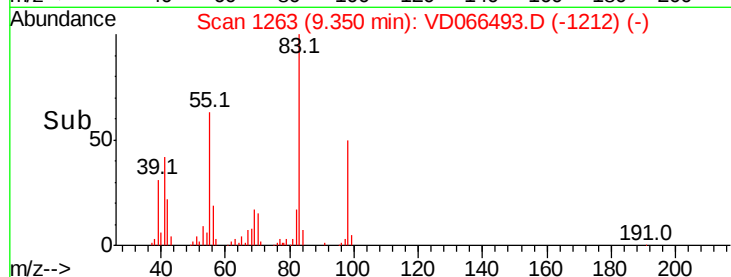
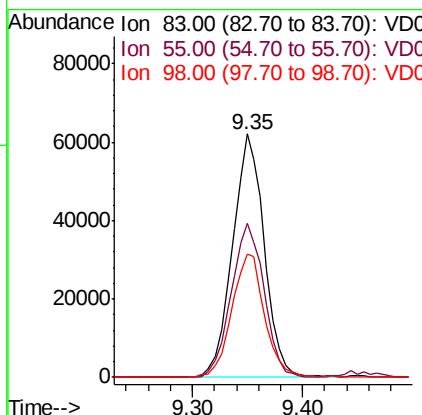
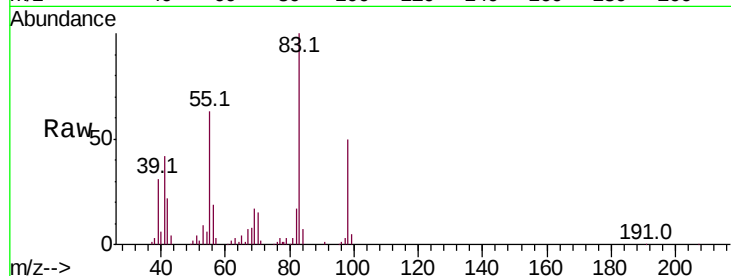




#39
Methvlcvclohexane
Concen: 53.686 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

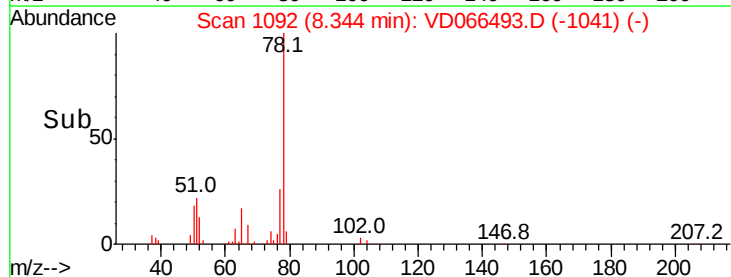
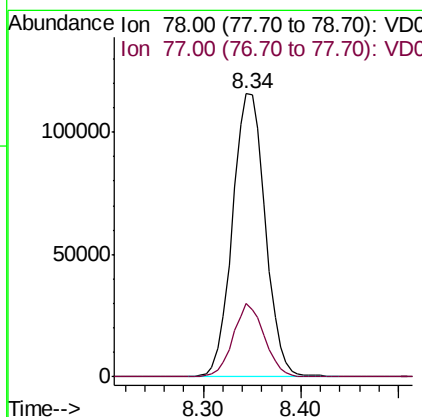
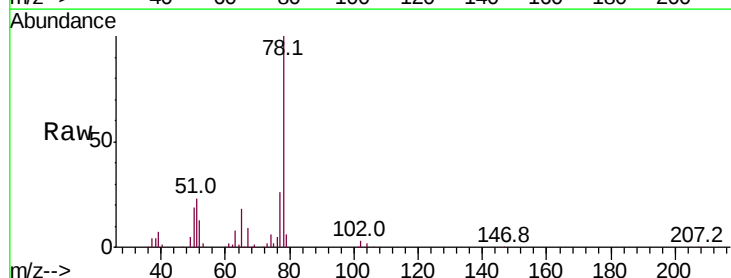
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

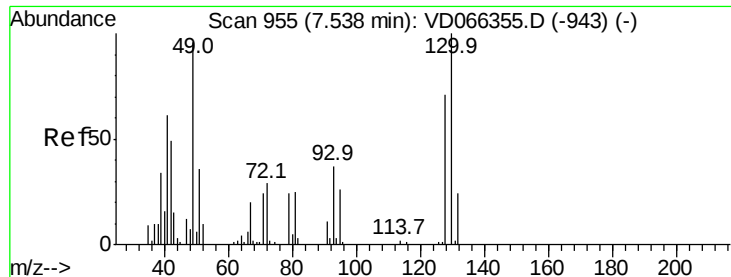
Tot Ion	83	Resp	124757
Ion Ratio	Lower	Upper	
83	100		
55	63.5	58.0	87.0
98	50.5	41.9	62.9



#40
Benzene
Concen: 51.996 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion	78	Resp	269840
Ion Ratio	Lower	Upper	
78	100		
77	25.9	18.8	28.2

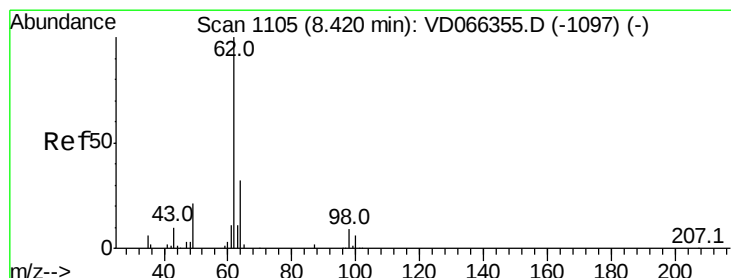
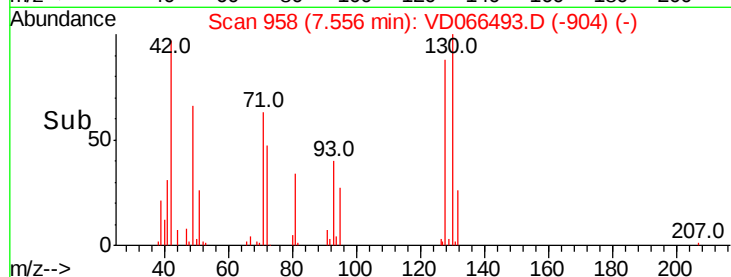
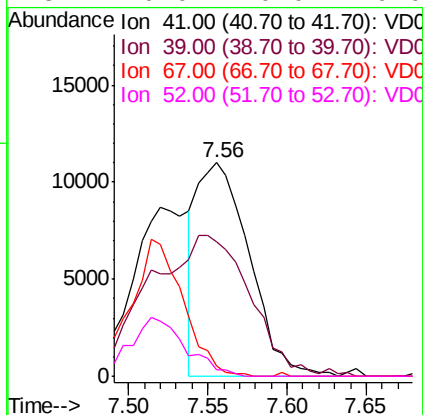
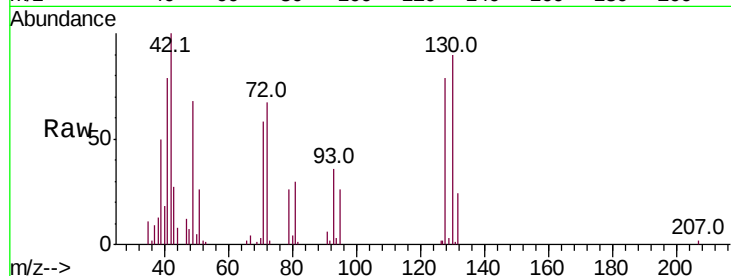




#41
Methacrylonitrile
Concen: 60.675 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

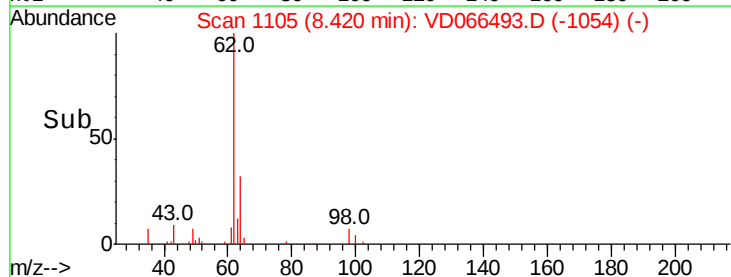
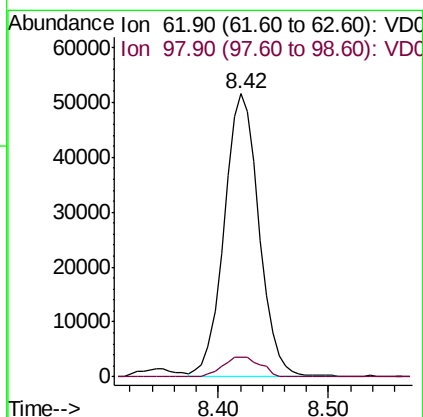
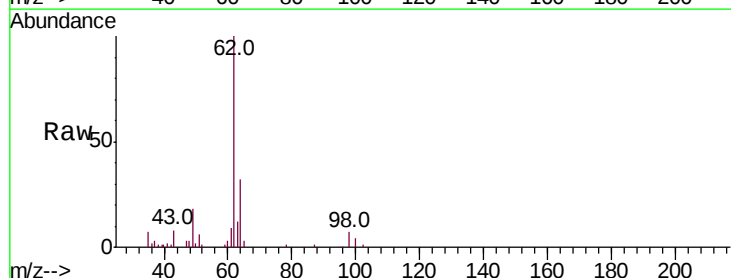
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

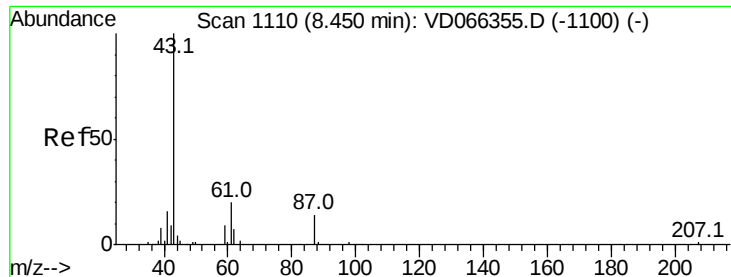
Tot Ion: 41 Resp: 25105
Ion Ratio Lower Upper
41 100
39 129.0 51.8 77.8#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 62.418 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 62 Resp: 114087
Ion Ratio Lower Upper
62 100
98 7.8 0.0 16.2





#43

Isopropyl Acetate

Concen: 48.747 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

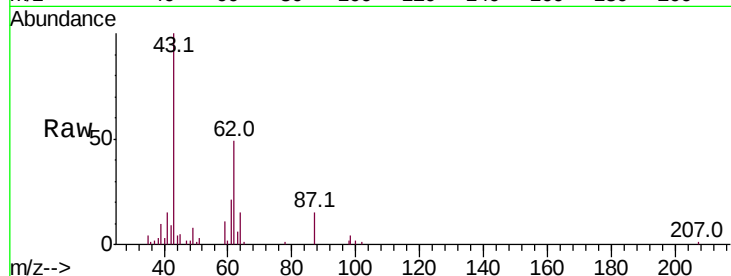
Tot Ion: 43 Resp: 65647

Ion Ratio Lower Upper

43 100

61 0.0 26.5 39.7#

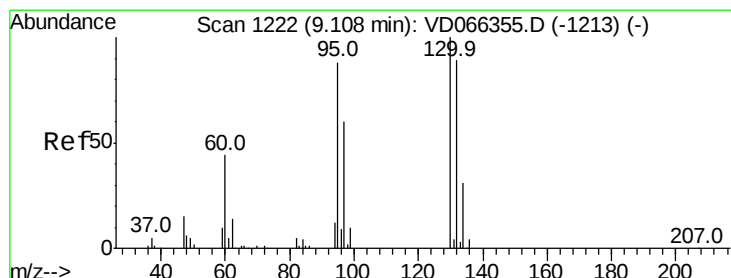
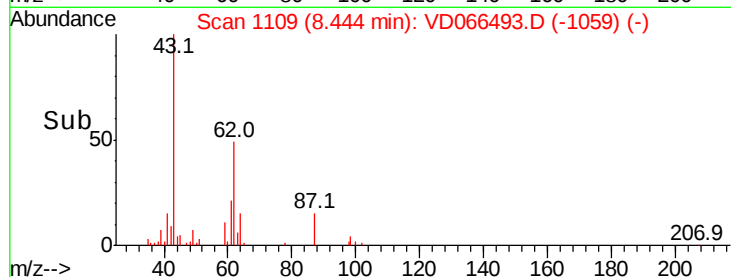
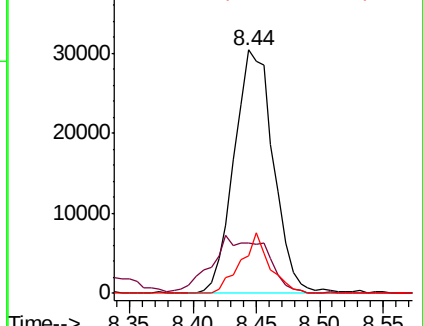
87 18.1 11.9 17.9#



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: 54.938 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066493.D

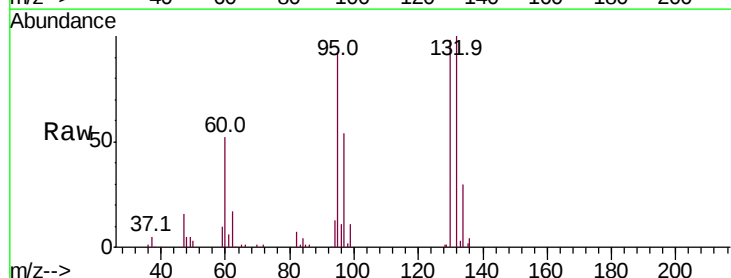
Acq: 01 Sep 2020 13:54

Tgt Ion: 130 Resp: 92641

Ion Ratio Lower Upper

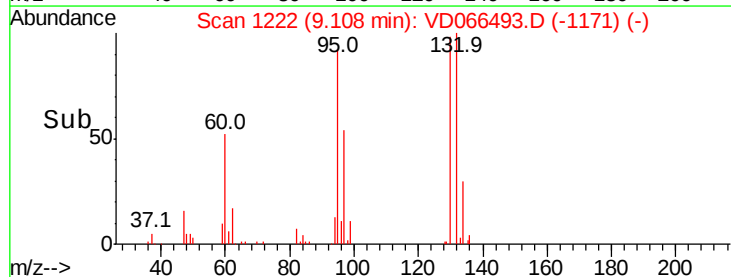
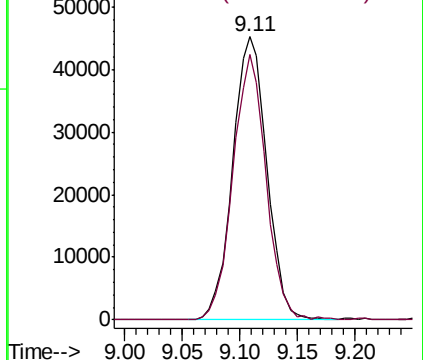
130 100

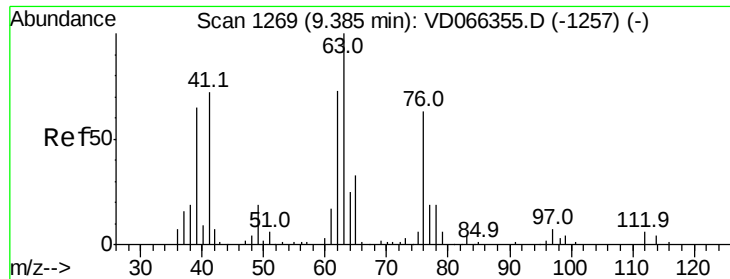
95 93.8 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

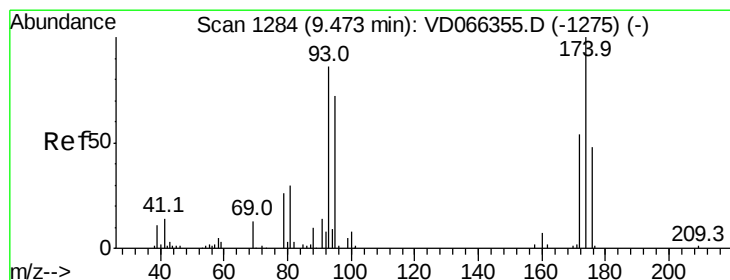
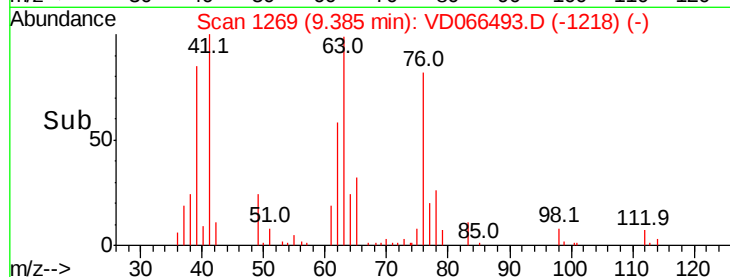
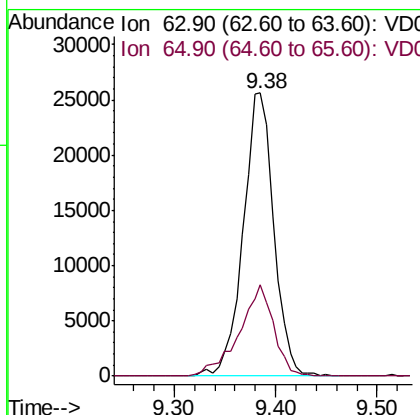
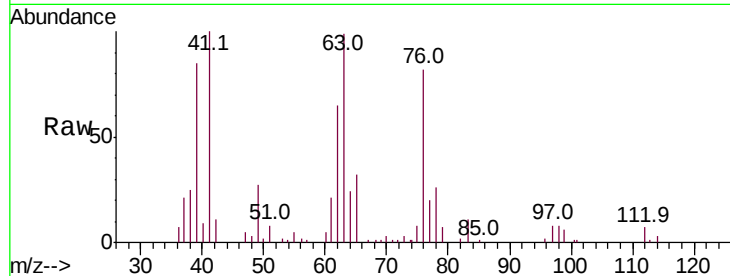




#45
 1,2-Dichloropropane
 Concen: 45.562 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

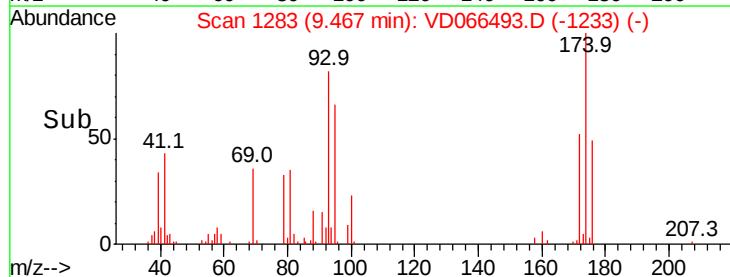
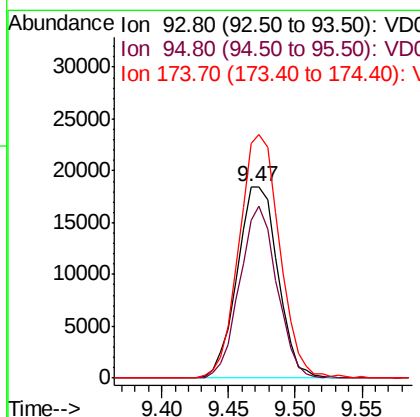
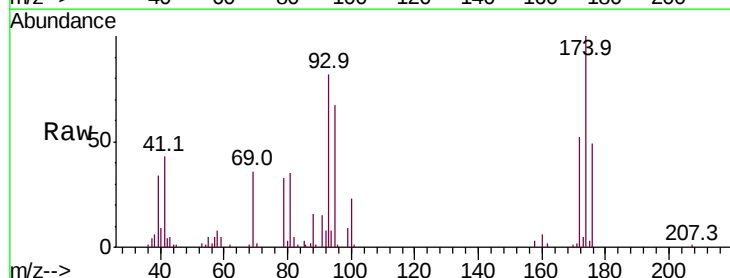
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

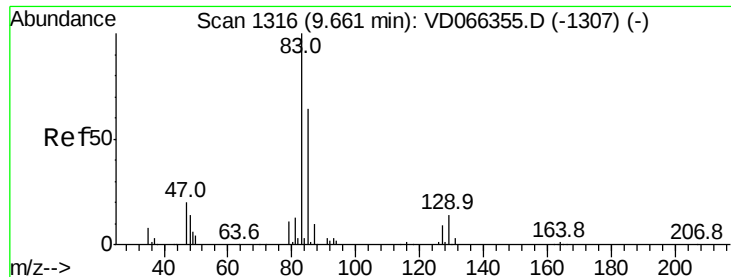
Tot Ion: 63 Resp: 53604
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.4 39.6



#46
 Dibromomethane
 Concen: 53.043 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 93 Resp: 38855
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.0 99.0
 174 127.4 94.6 141.8





#47

Bromodichloromethane

Concen: 58.780 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

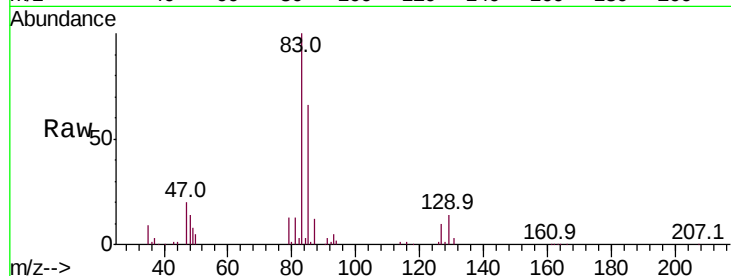
Tot Ion: 83 Resp: 118411

Ion Ratio Lower Upper

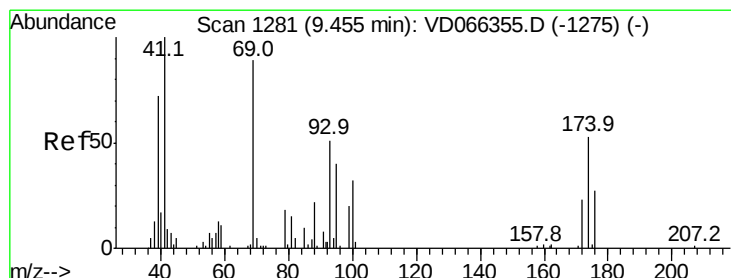
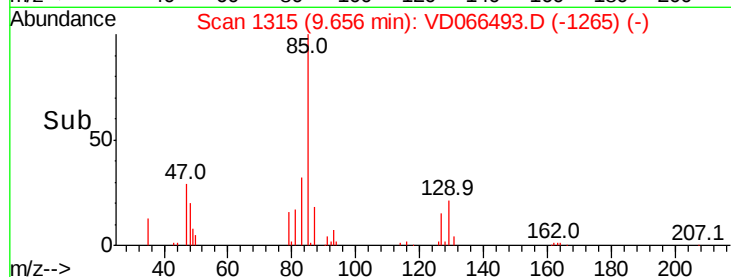
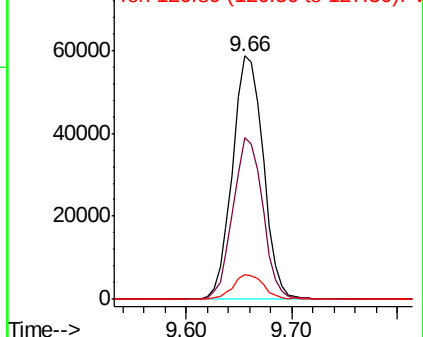
83 100

85 66.4 51.4 77.0

127 10.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 49.634 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

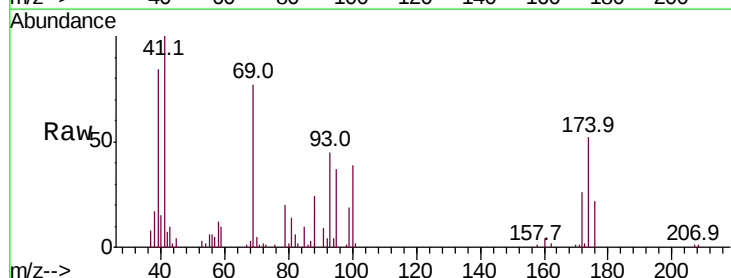
Tgt Ion: 41 Resp: 34468

Ion Ratio Lower Upper

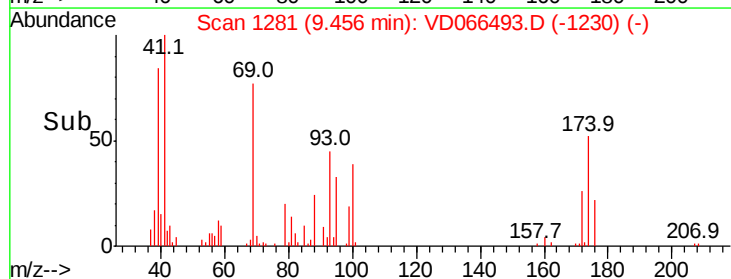
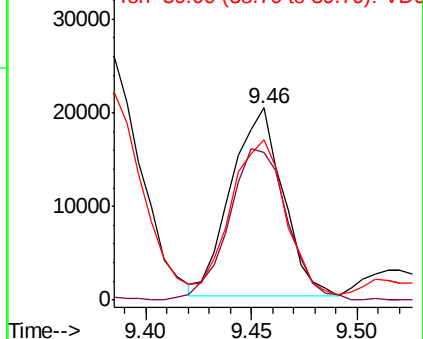
41 100

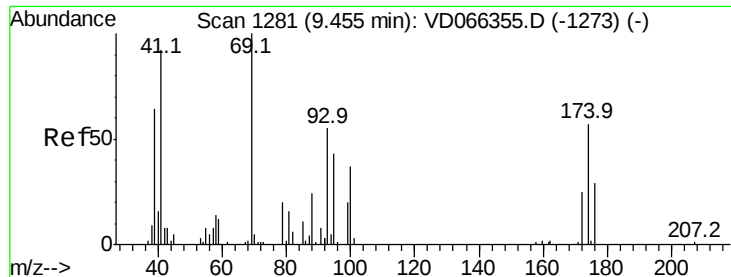
69 90.0 75.5 113.3

39 86.0 57.0 85.4#



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: 1086.212 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

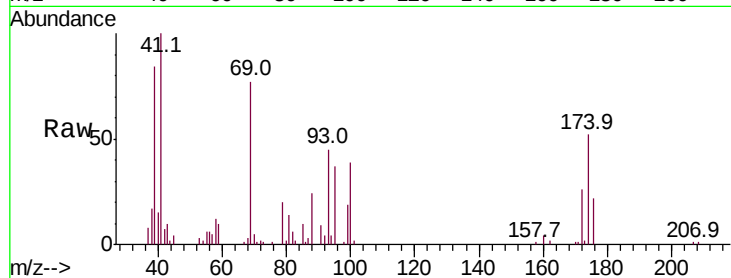
Tot Ion: 88 Resp: 9239

Ion Ratio Lower Upper

88 100

43 39.7 29.4 44.0

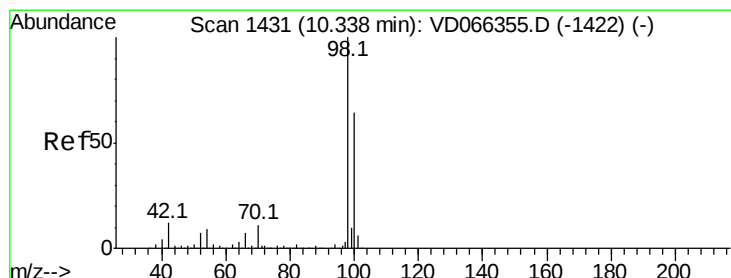
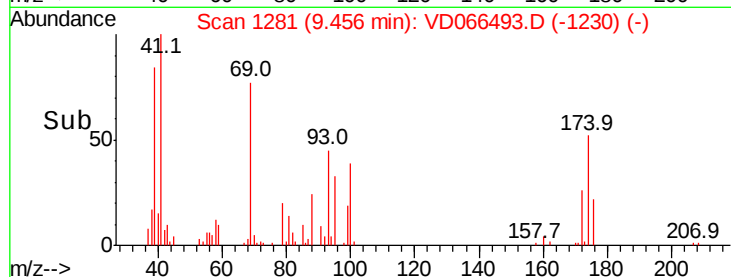
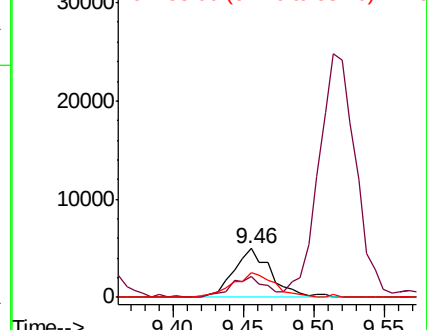
58 56.4 45.4 68.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.008 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066493.D

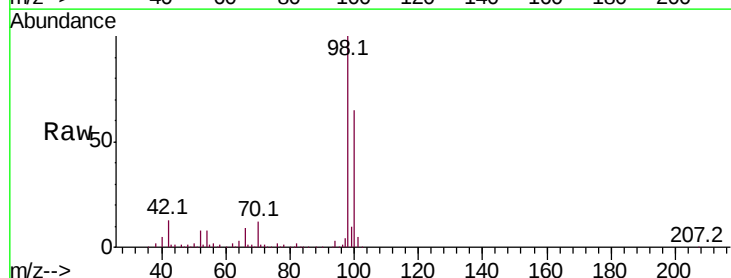
Acq: 01 Sep 2020 13:54

Tgt Ion: 98 Resp: 262209

Ion Ratio Lower Upper

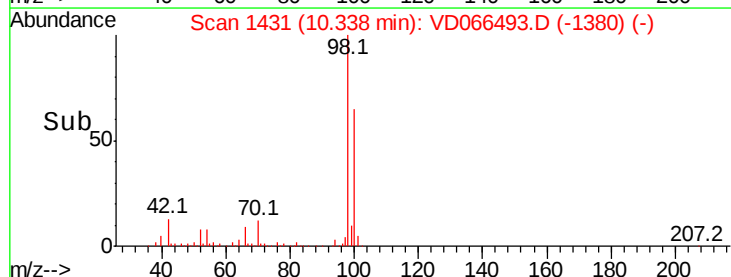
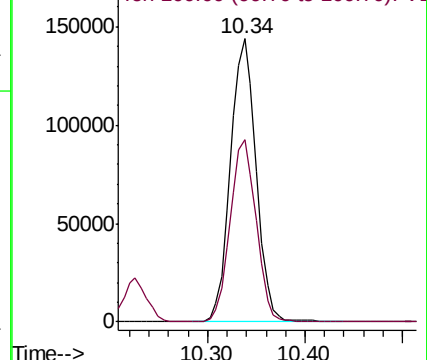
98 100

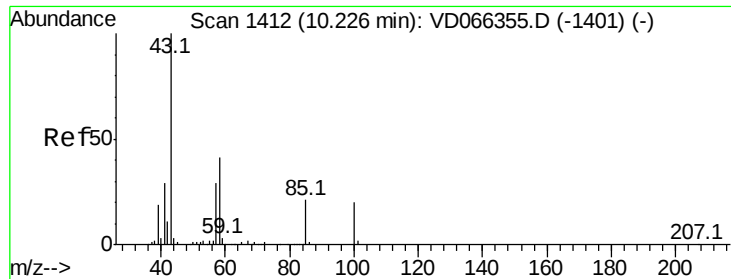
100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 241.851 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

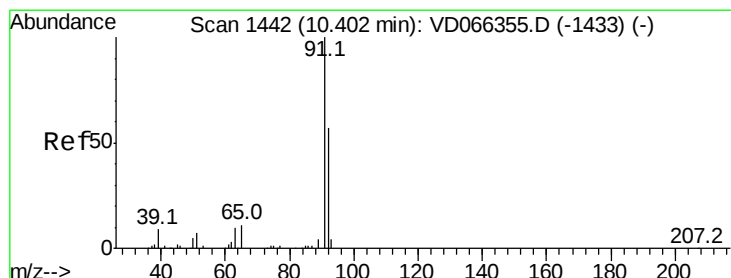
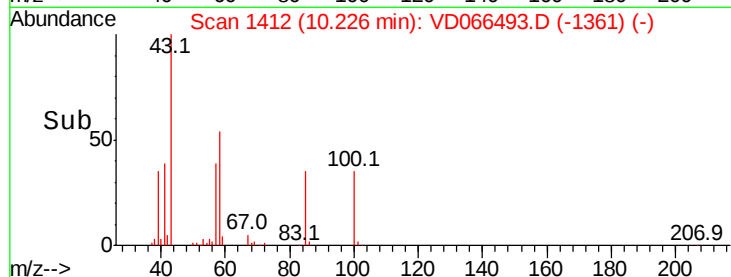
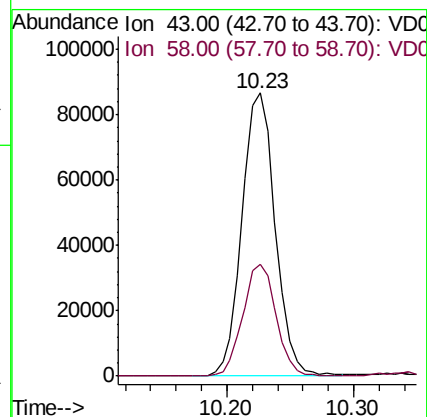
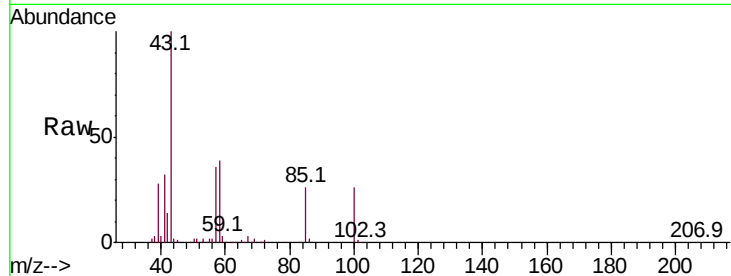
VSTDCCC050

Tot Ion: 43 Resp: 157560

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2



#52

Toluene

Concen: 54.847 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066493.D

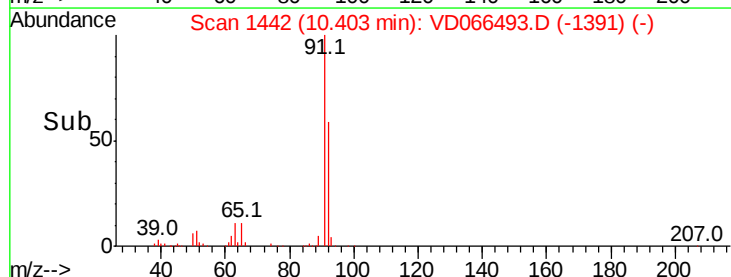
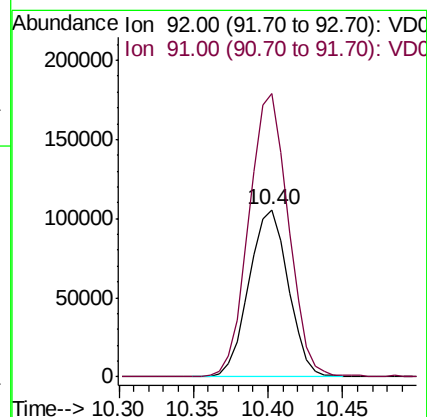
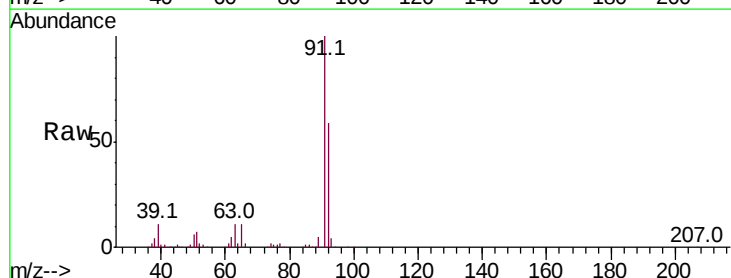
Acq: 01 Sep 2020 13:54

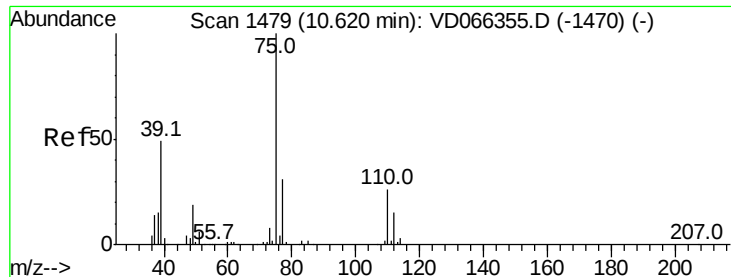
Tgt Ion: 92 Resp: 192839

Ion Ratio Lower Upper

92 100

91 170.2 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 56.575 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

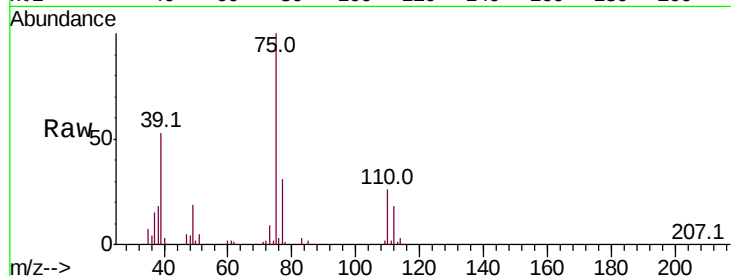
VSTDCCC050

Tot Ion: 75 Resp: 108142

Ion Ratio Lower Upper

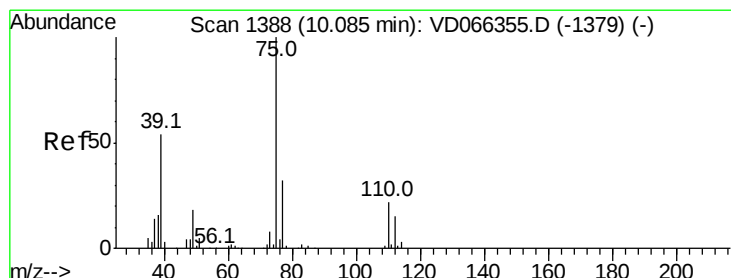
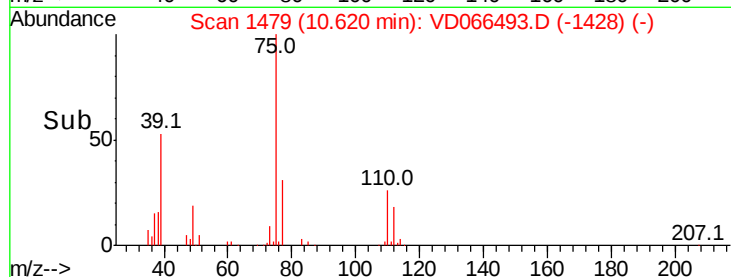
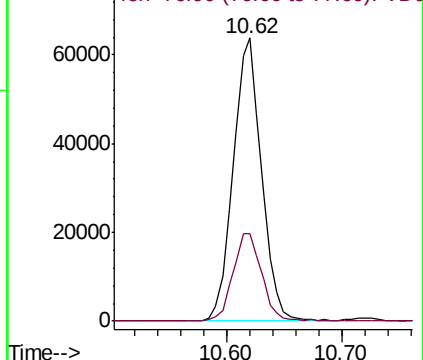
75 100

77 31.0 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.207 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

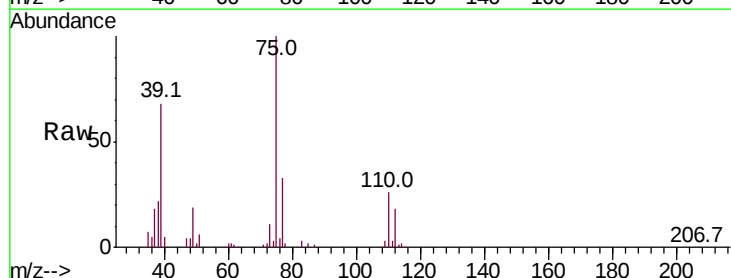
Tgt Ion: 75 Resp: 114158

Ion Ratio Lower Upper

75 100

77 33.1 25.6 38.4

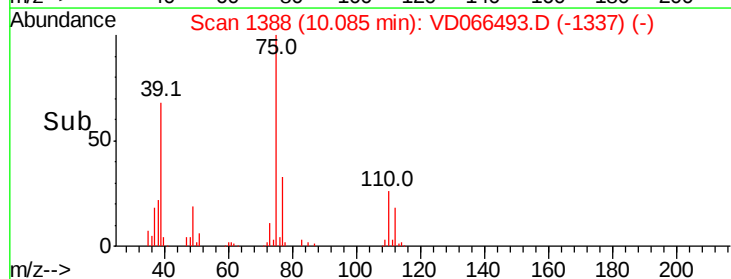
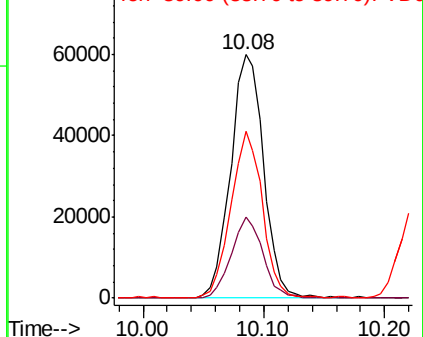
39 68.3 43.4 65.0#

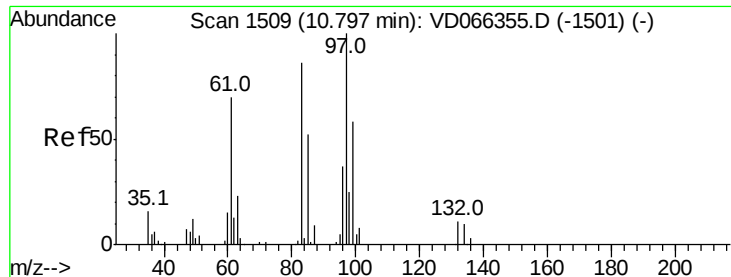


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 50.584 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 50162

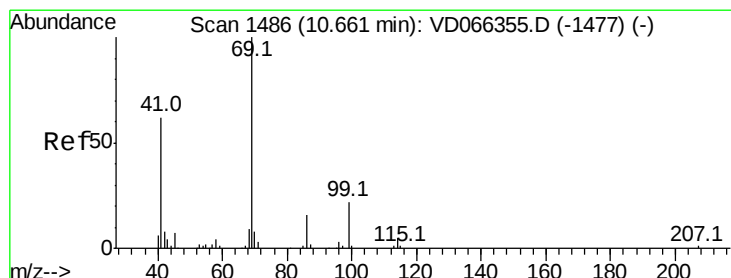
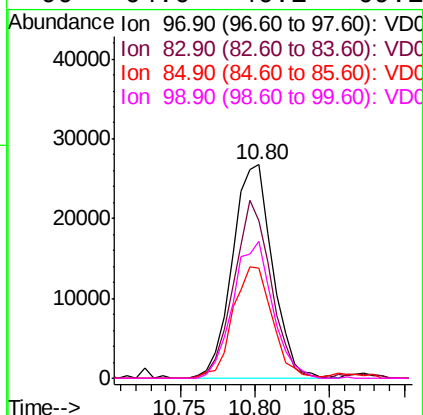
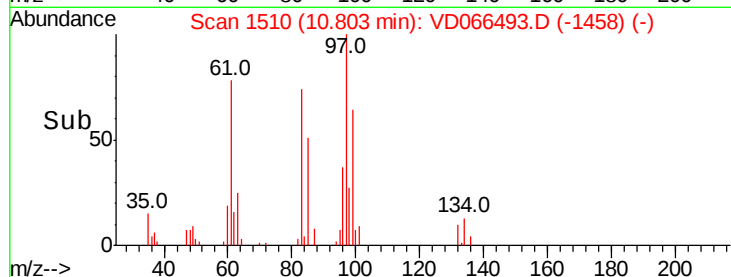
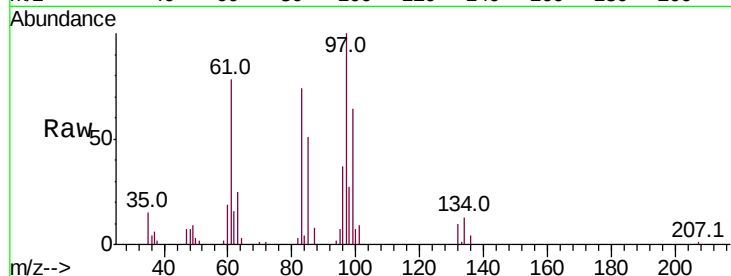
Ion	Ratio	Lower	Upper
97	100		
83	73.8	68.4	102.6
85	51.4	41.3	61.9
99	64.0	46.1	69.1

97 100

83 73.8 68.4 102.6

85 51.4 41.3 61.9

99 64.0 46.1 69.1



#56

Ethyl methacrylate

Concen: 52.175 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

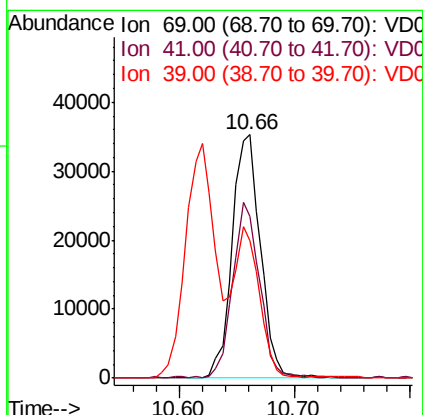
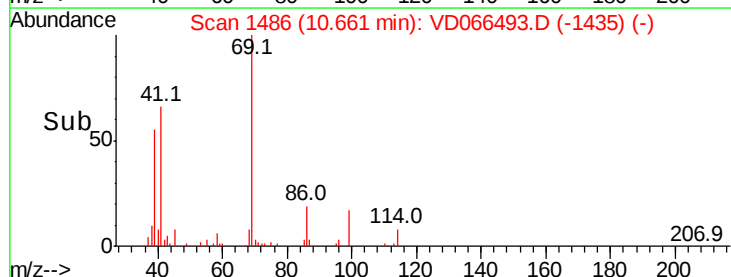
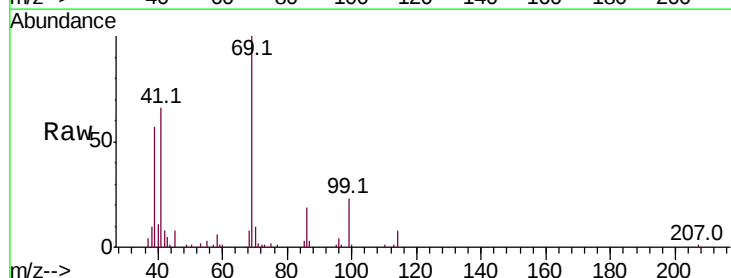
Tgt Ion: 69 Resp: 59895

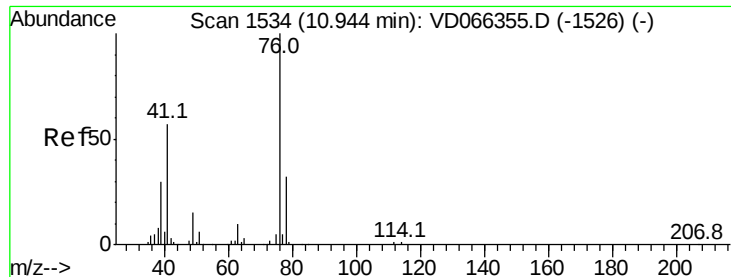
Ion	Ratio	Lower	Upper
69	100		
41	68.6	50.8	76.2
39	51.1	32.9	49.3

69 100

41 68.6 50.8 76.2

39 51.1 32.9 49.3





#57

1,3-Dichloropropane

Concen: 50.478 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

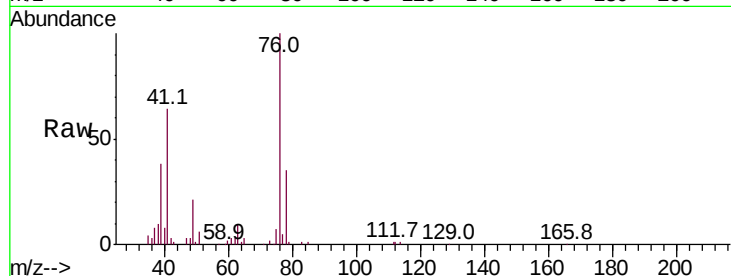
VSTDCCC050

Tot Ion: 76 Resp: 82799

Ion Ratio Lower Upper

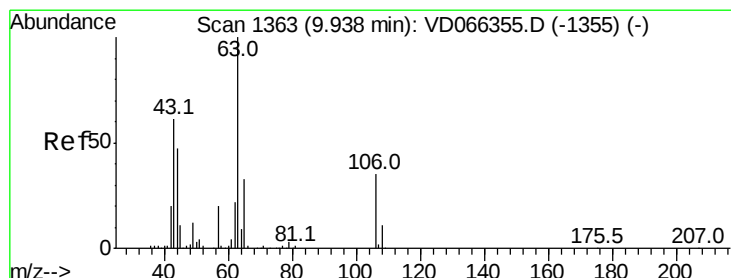
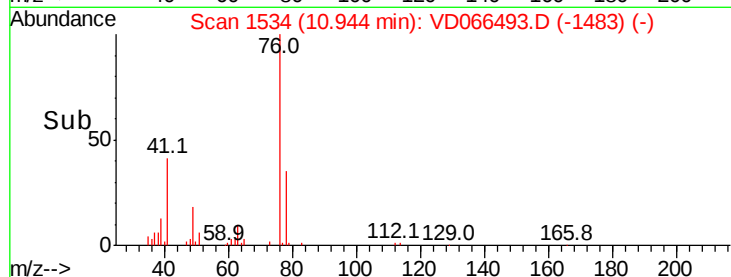
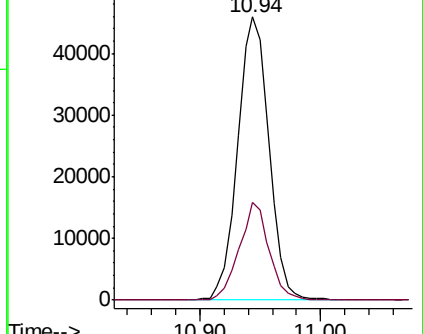
76 100

78 32.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 219.679 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066493.D

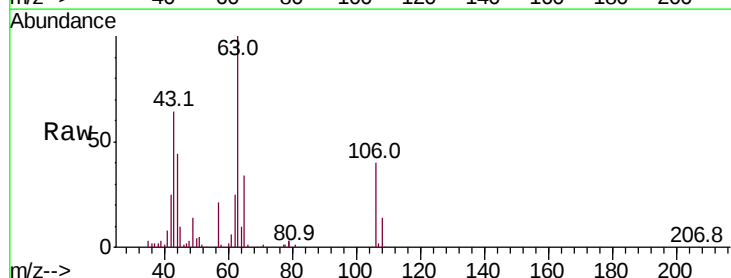
Acq: 01 Sep 2020 13:54

Tgt Ion: 63 Resp: 104739

Ion Ratio Lower Upper

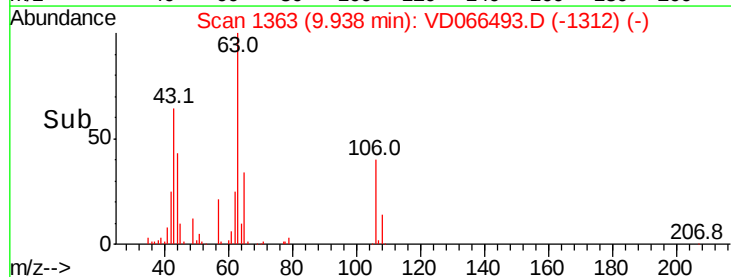
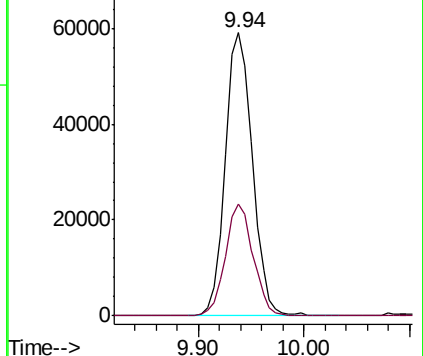
63 100

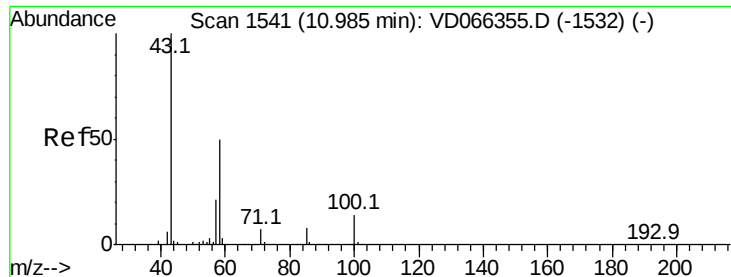
106 40.2 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

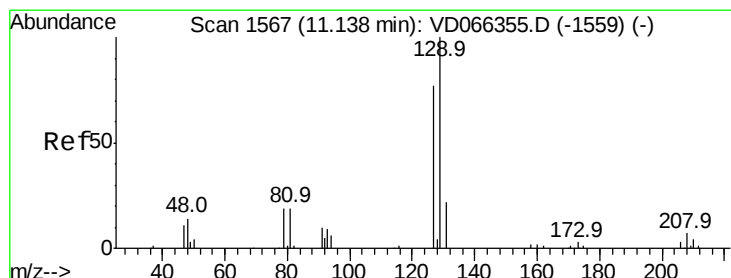
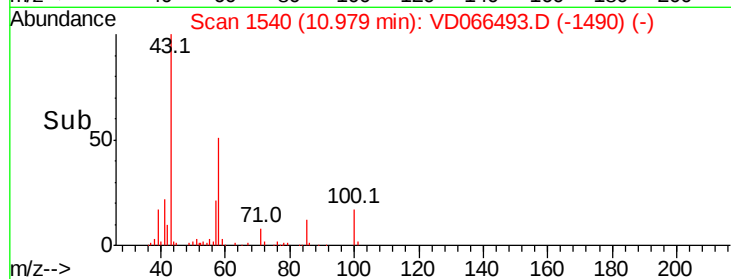
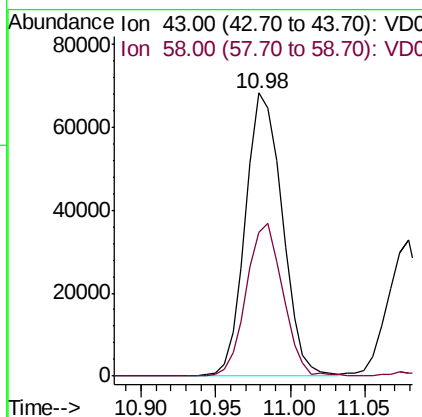
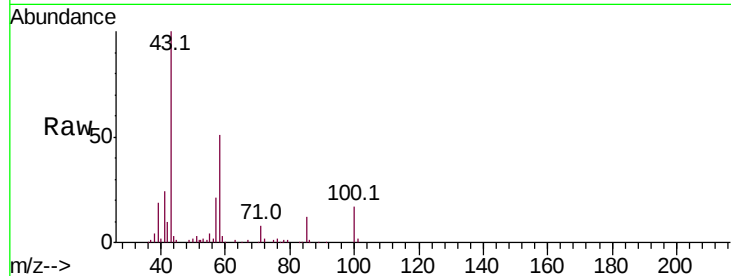




#59
2-Hexanone
Concen: 254.282 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

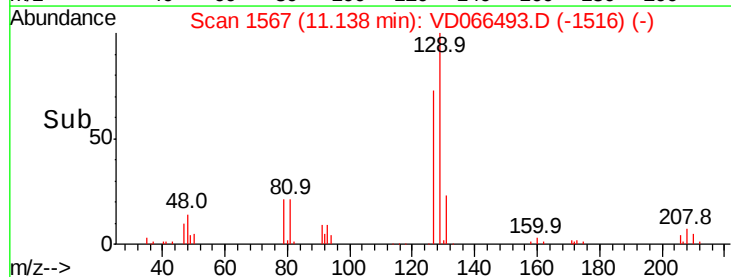
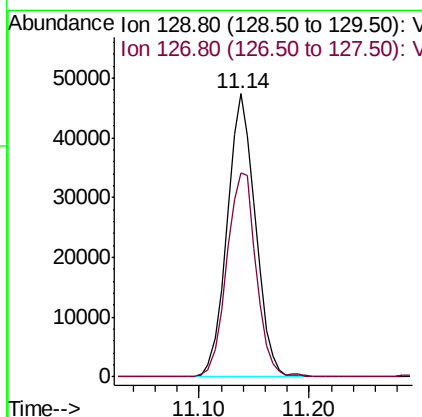
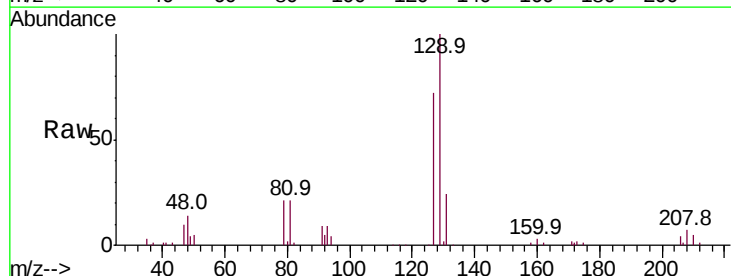
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

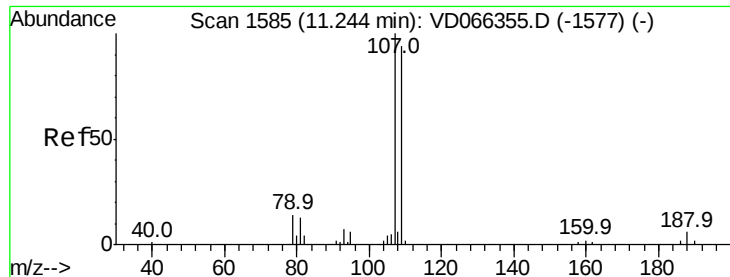
Tot Ion: 43 Resp: 116850
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 56.976 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 129 Resp: 85166
Ion Ratio Lower Upper
129 100
127 74.8 39.0 117.0

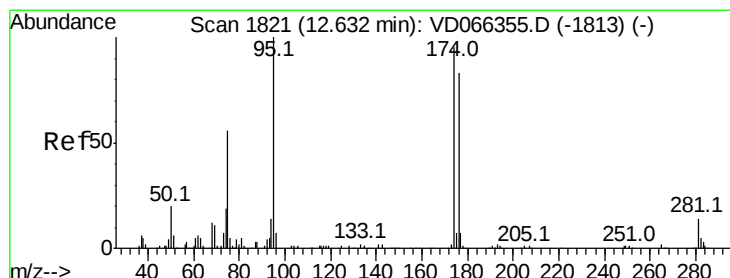
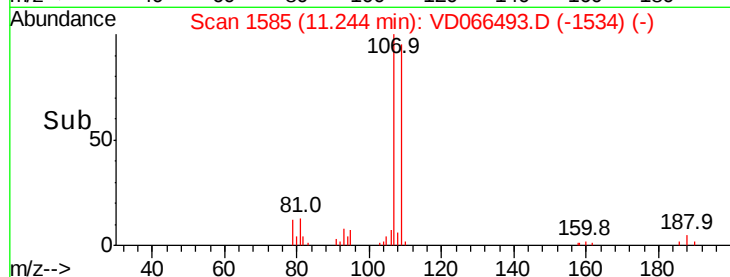
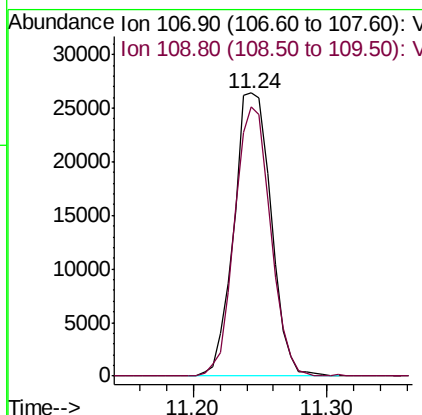
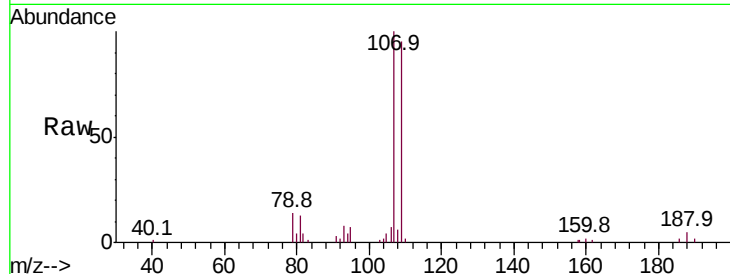




#61
 1,2-Dibromoethane
 Concen: 52.344 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

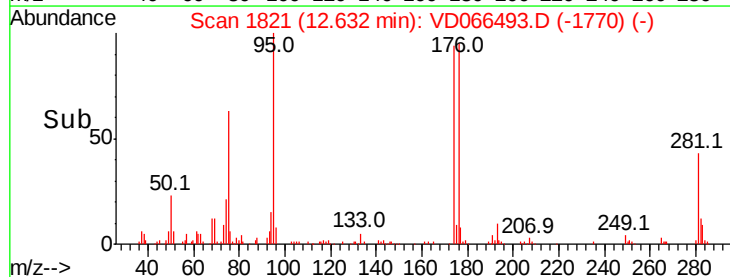
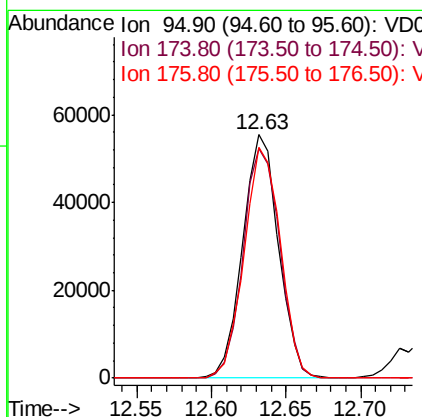
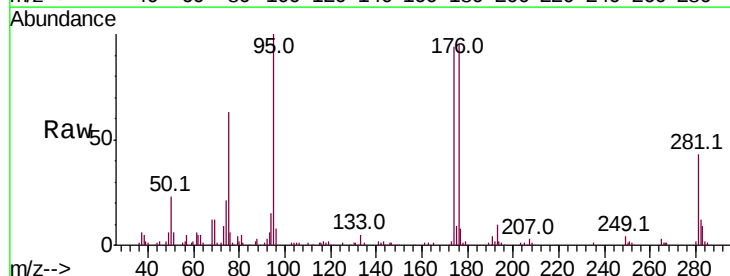
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

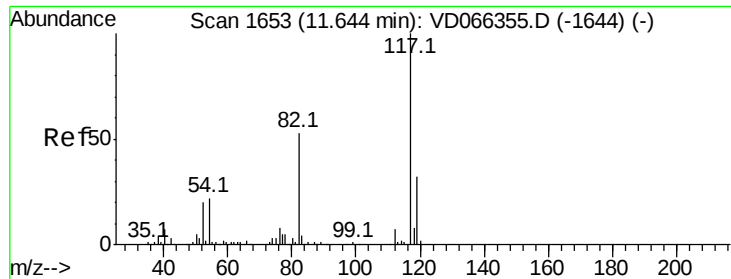
Tot Ion:107 Resp: 51082
 Ion Ratio Lower Upper
 107 100
 109 91.6 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 52.511 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 95 Resp: 92170
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 183.4
 176 95.8 0.0 173.8

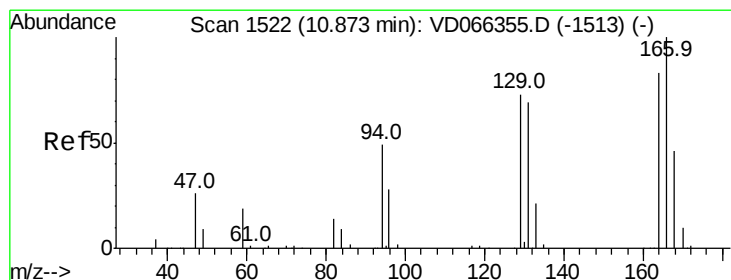
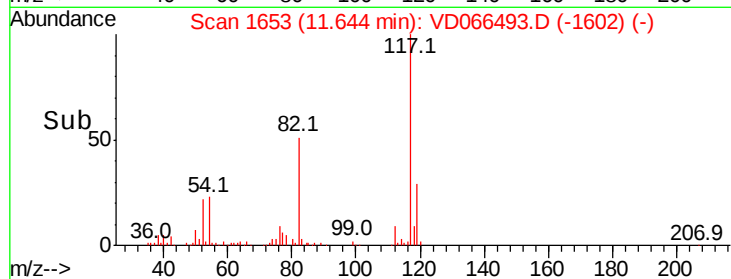
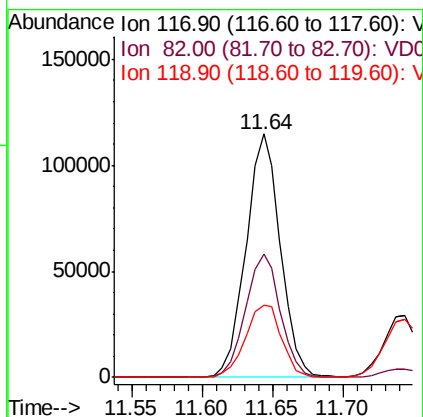
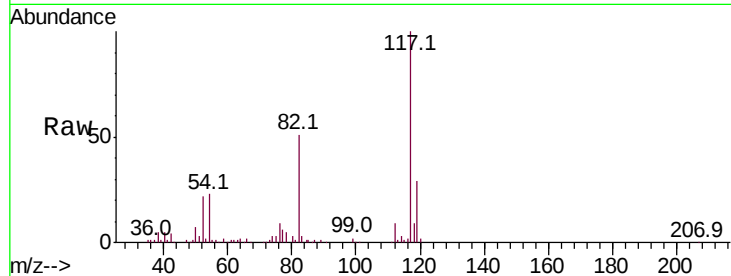




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

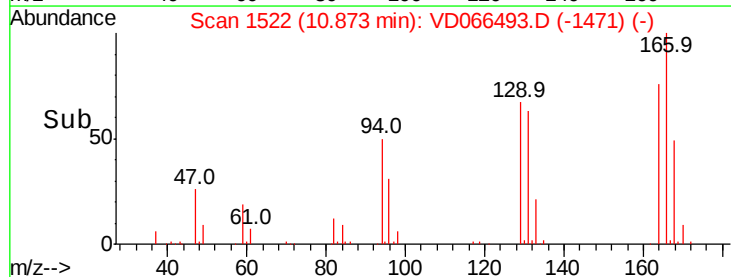
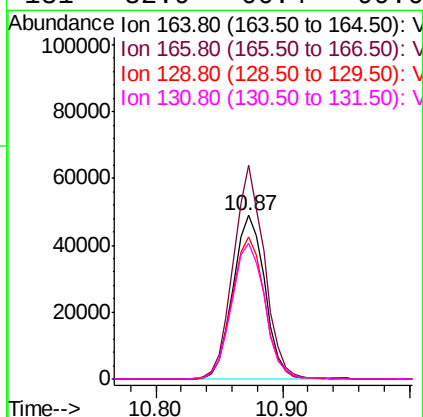
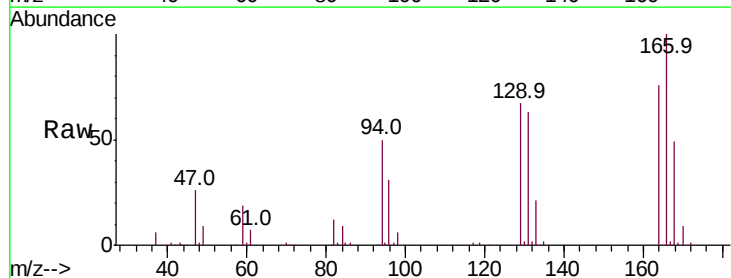
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

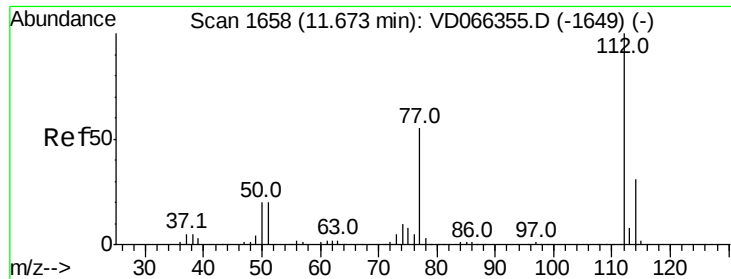
Tot Ion:117 Resp: 195910
Ion Ratio Lower Upper
117 100
82 50.8 42.8 64.2
119 29.5 25.8 38.8



#64
Tetrachloroethene
Concen: 57.541 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion:164 Resp: 85515
Ion Ratio Lower Upper
164 100
166 130.8 96.2 144.4
129 87.2 70.3 105.5
131 82.9 66.4 99.6





#65

Chlorobenzene

Concen: 55.324 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

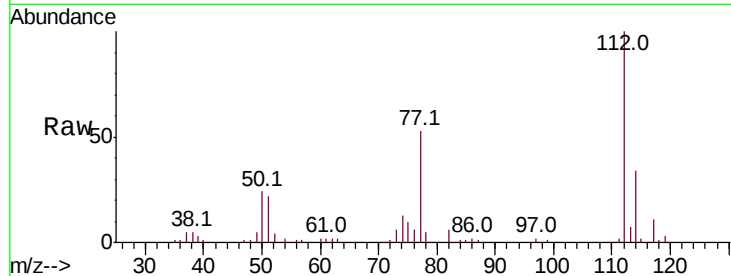
VSTDCCC050

Tot Ion:112 Resp: 215634

Ion Ratio Lower Upper

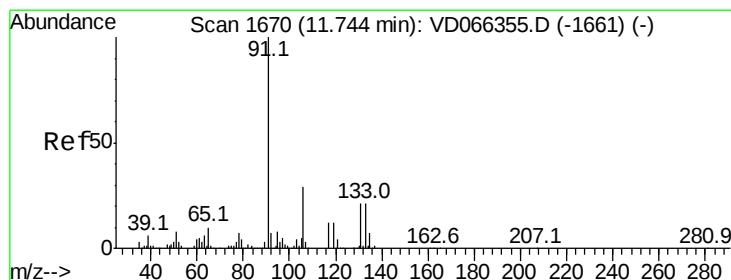
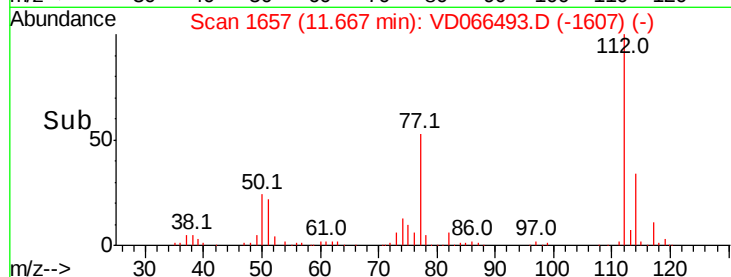
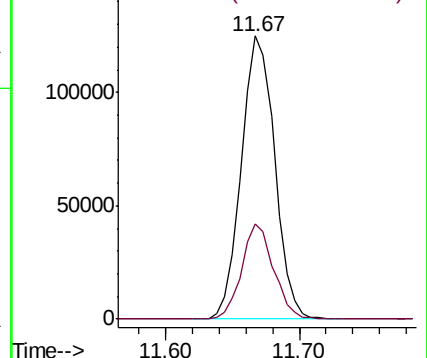
112 100

114 33.8 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 58.229 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

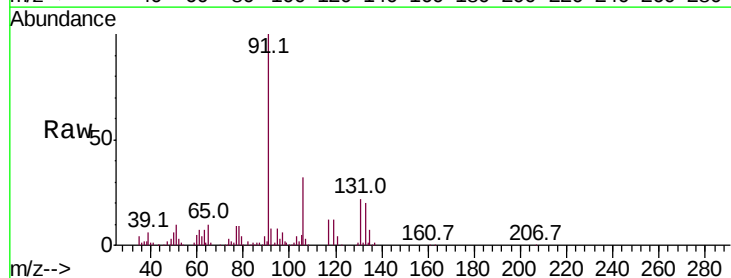
Tgt Ion:131 Resp: 92750

Ion Ratio Lower Upper

131 100

133 93.0 48.6 145.9

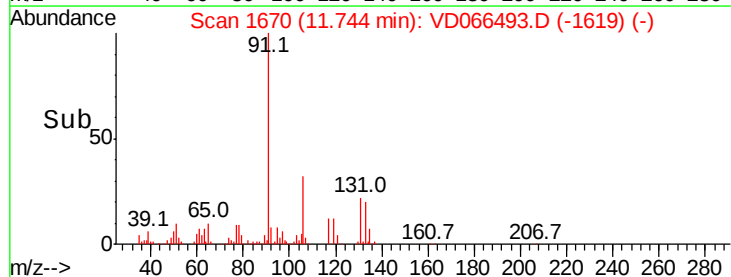
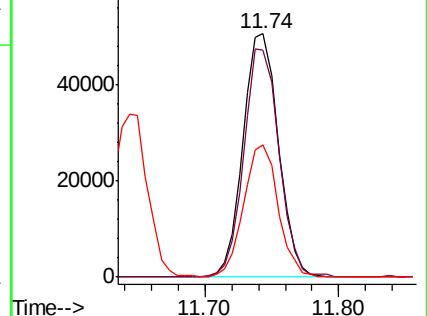
119 52.6 29.0 87.1

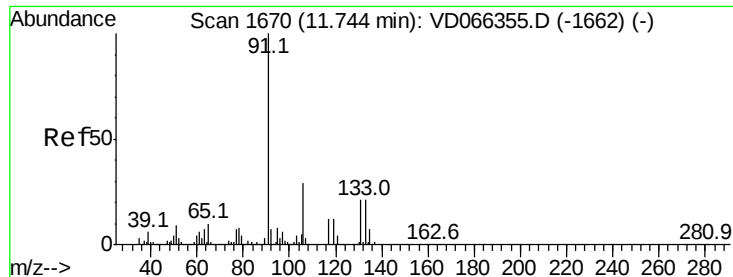


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 57.136 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

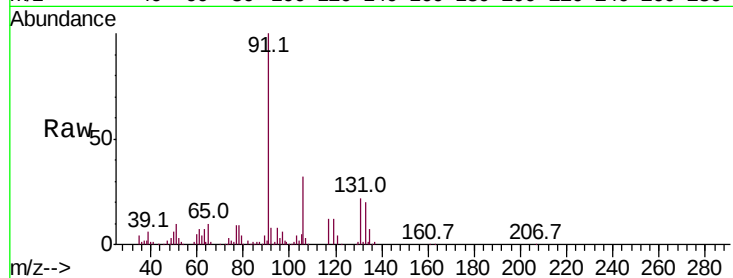
VSTDCCC050

Tot Ion: 91 Resp: 392003

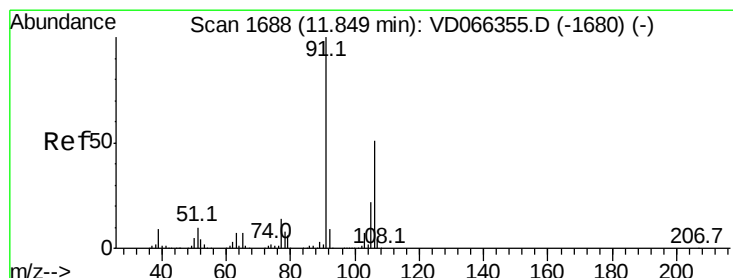
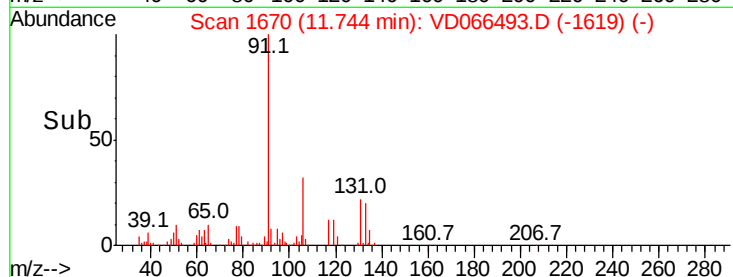
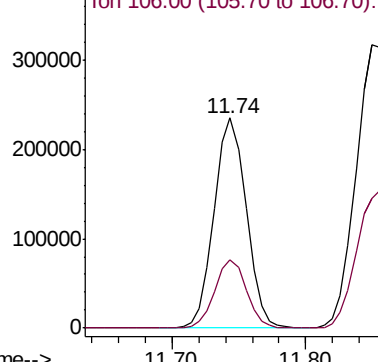
Ion Ratio Lower Upper

91 100

106 32.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1662) (-)



#68

m/p-Xylenes

Concen: 113.128 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066493.D

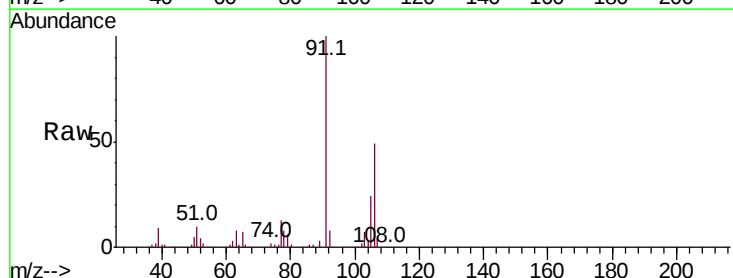
Acq: 01 Sep 2020 13:54

Tgt Ion: 106 Resp: 295834

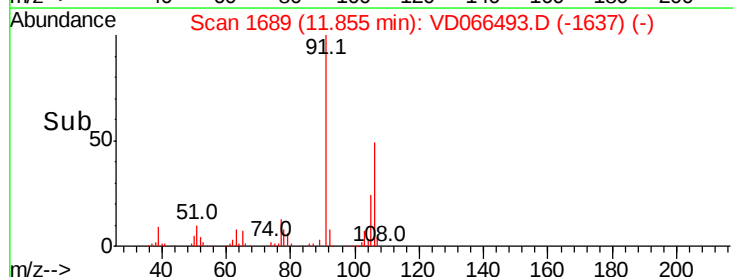
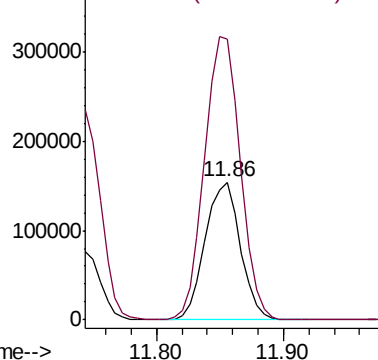
Ion Ratio Lower Upper

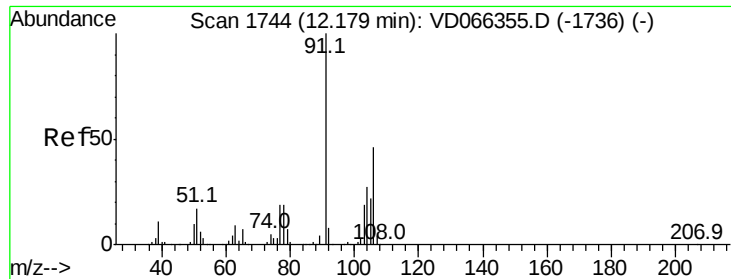
106 100

91 209.6 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066355.D (-1680) (-)

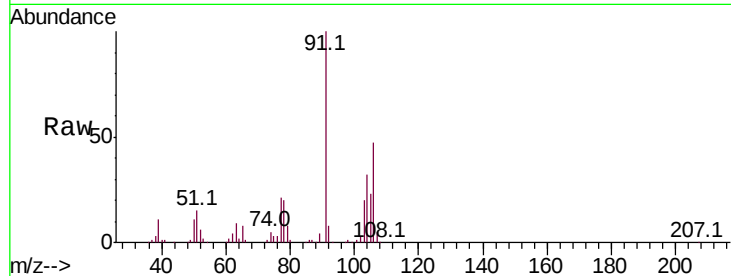




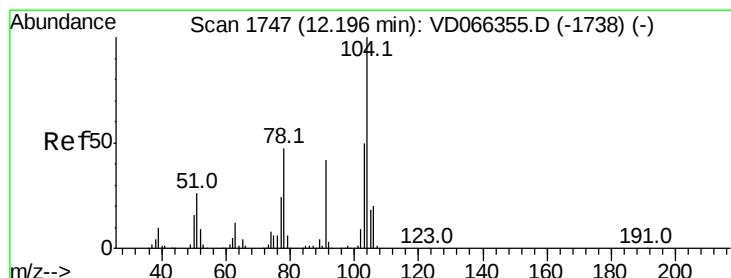
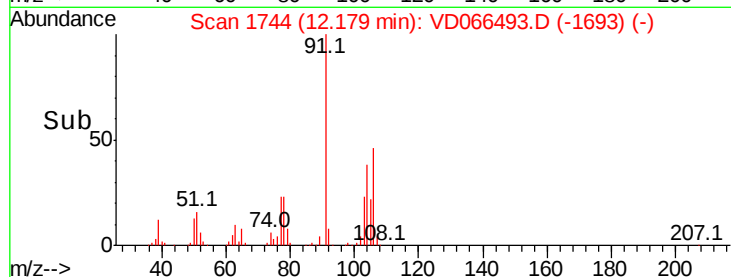
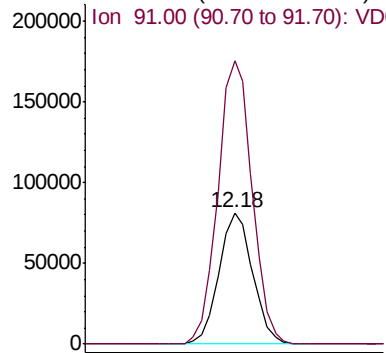
#69
o-Xylene
Concen: 56.003 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 136240
Ion Ratio Lower Upper
106 100
91 219.3 109.1 327.3

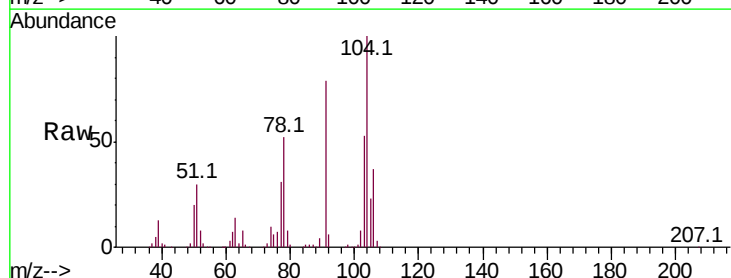


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

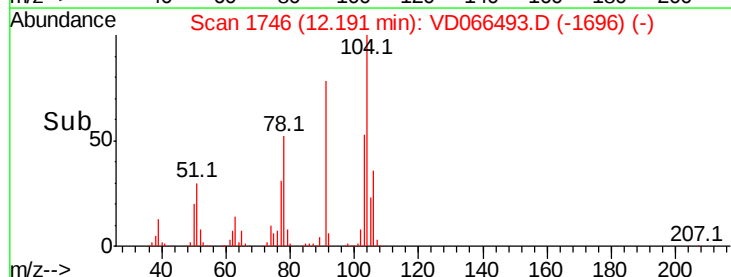
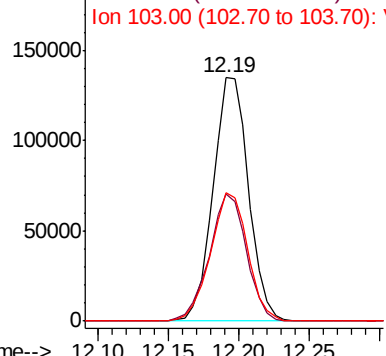


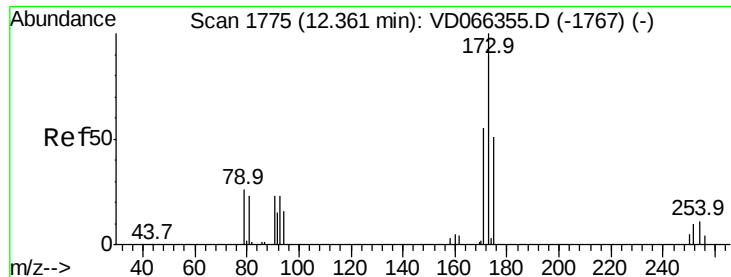
#70
Styrene
Concen: 56.707 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion:104 Resp: 236873
Ion Ratio Lower Upper
104 100
78 54.6 41.7 62.5
103 55.5 43.5 65.3



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





#71

Bromoform

Concen: 55.974 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

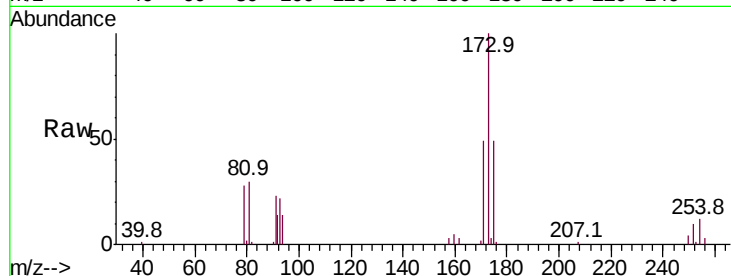
Tot Ion:173 Resp: 50583

Ion Ratio Lower Upper

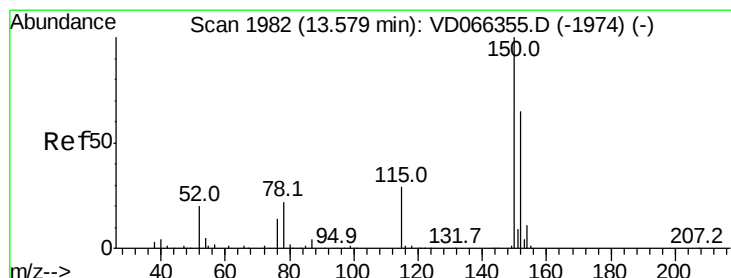
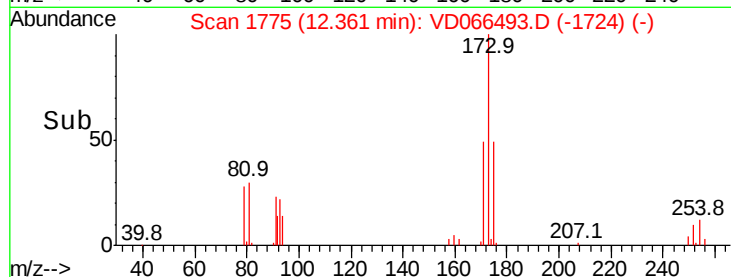
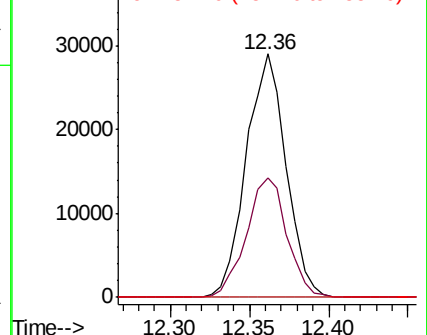
173 100

175 50.1 24.8 74.3

254 0.0 0.0 0.0



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: VD066493.D

Acq: 01 Sep 2020 13:54

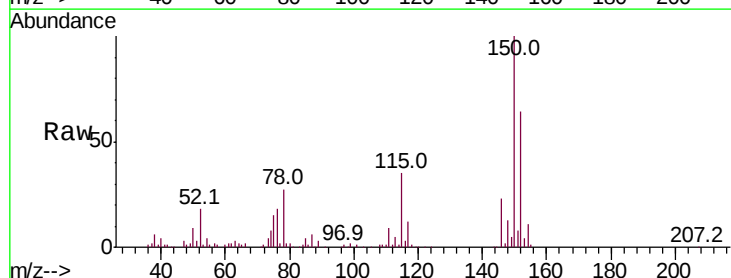
Tgt Ion:152 Resp: 106058

Ion Ratio Lower Upper

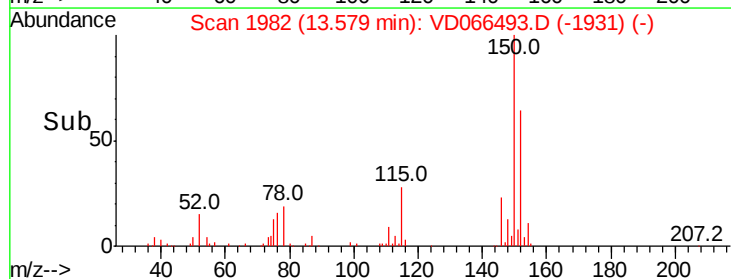
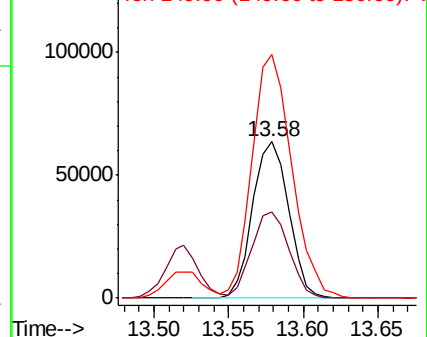
152 100

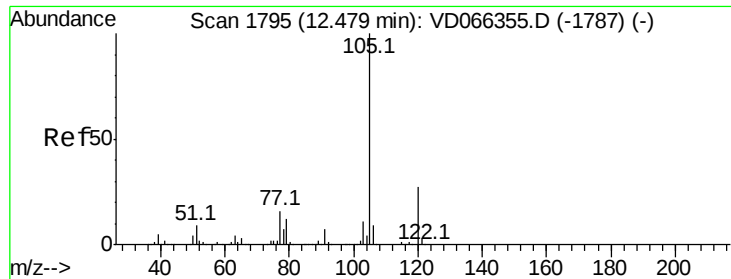
115 56.8 28.3 85.0

150 172.4 0.0 343.2



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

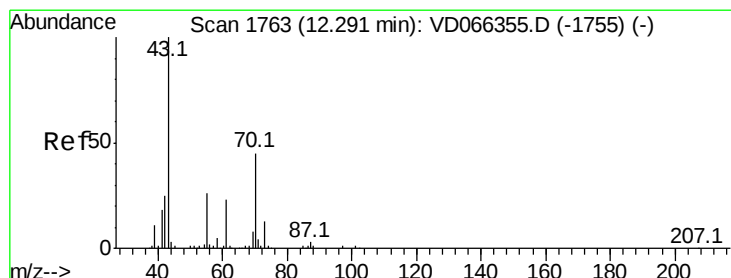
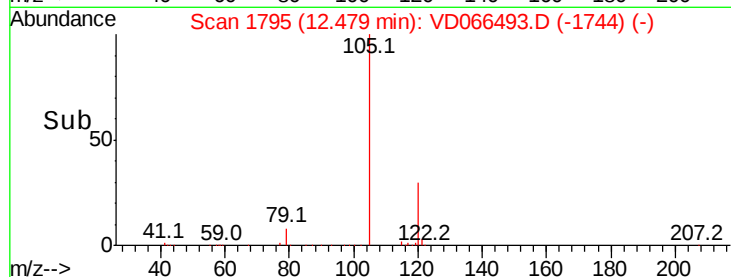
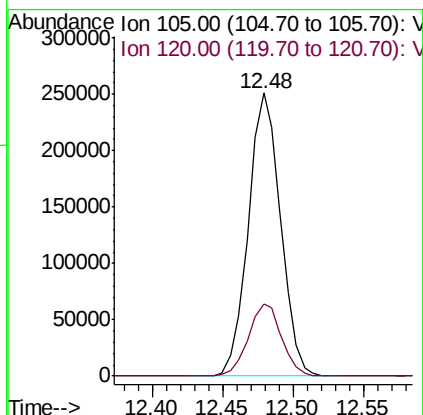
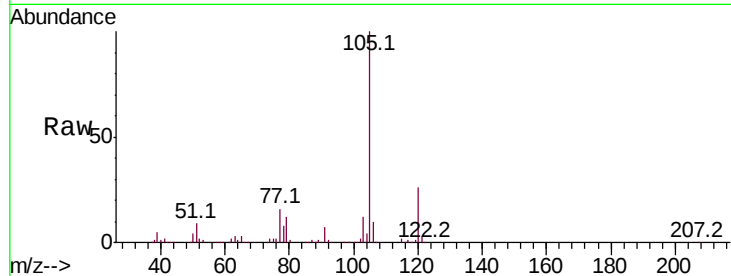




#73
Isopropylbenzene
Concen: 56.627 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

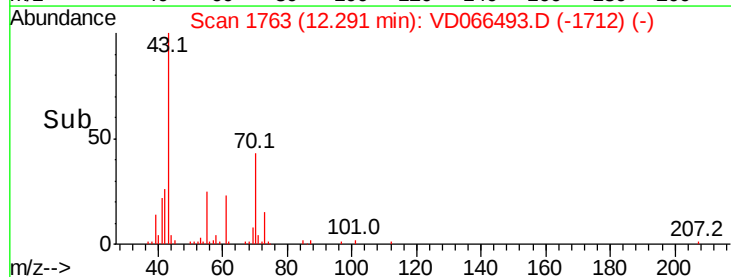
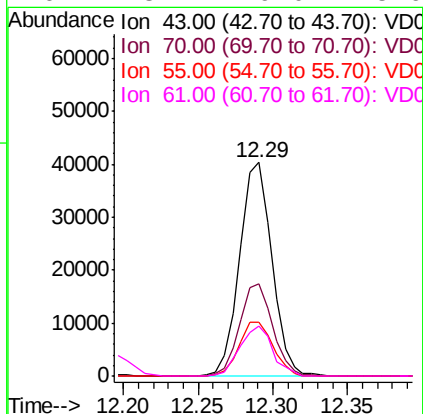
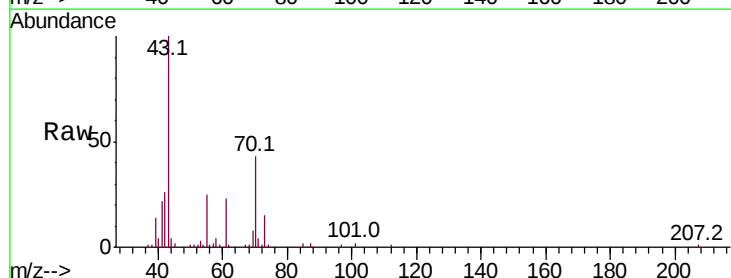
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

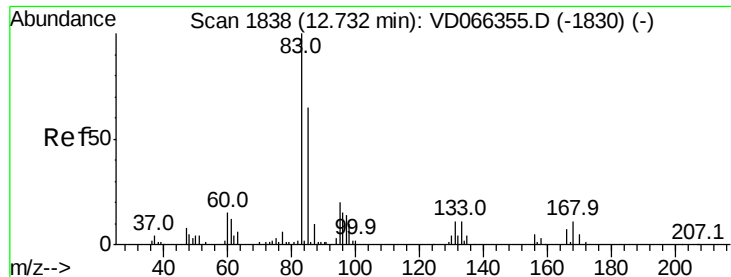
Tot Ion:105 Resp: 402319
Ion Ratio Lower Upper
105 100
120 26.2 13.6 40.8



#74
N-ethyl acetate
Concen: 47.322 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 43 Resp: 60723
Ion Ratio Lower Upper
43 100
70 44.0 34.8 52.2
55 26.6 20.3 30.5
61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.738 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

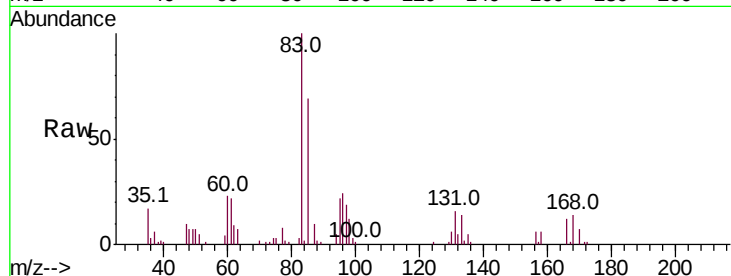
Tot Ion: 83 Resp: 45406

Ion Ratio Lower Upper

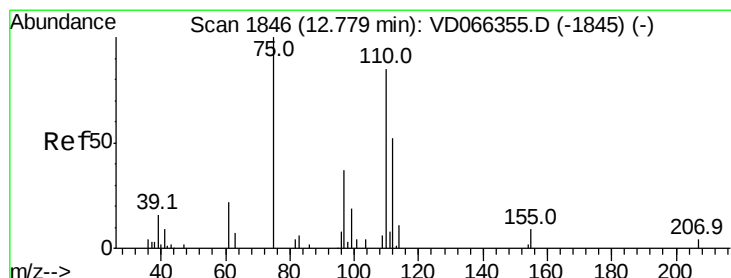
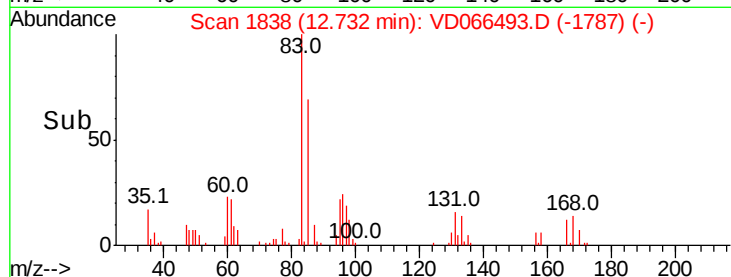
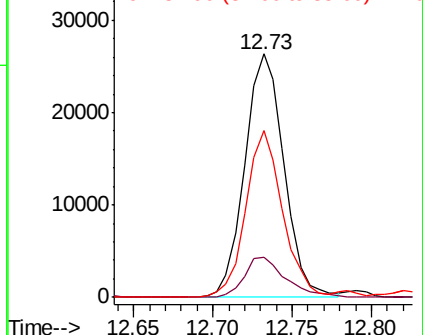
83 100

131 17.2 7.0 20.9

85 64.2 32.4 97.0



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: 101.950 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066493.D

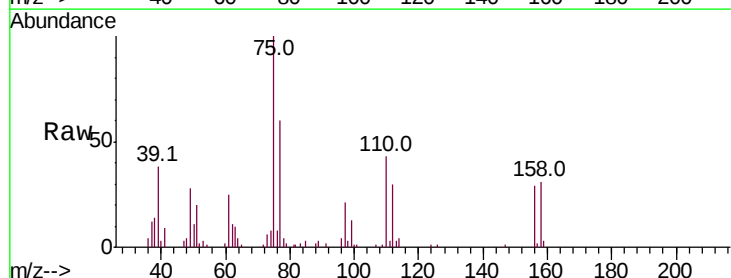
Acq: 01 Sep 2020 13:54

Tgt Ion: 75 Resp: 76067

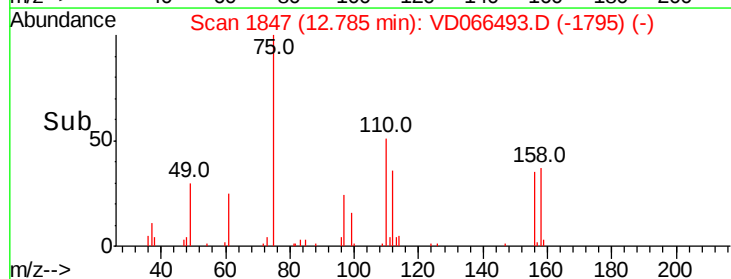
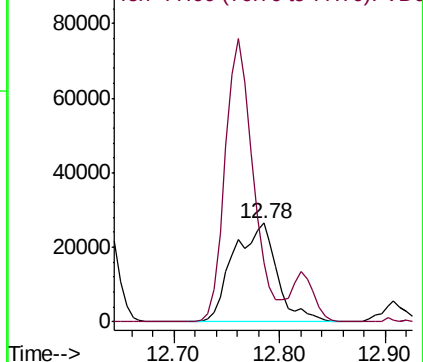
Ion Ratio Lower Upper

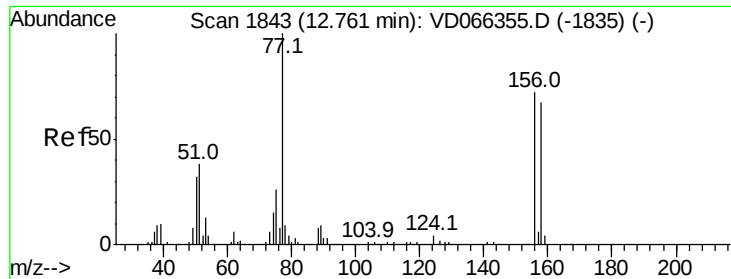
75 100

77 0.0 182.9 548.9#



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

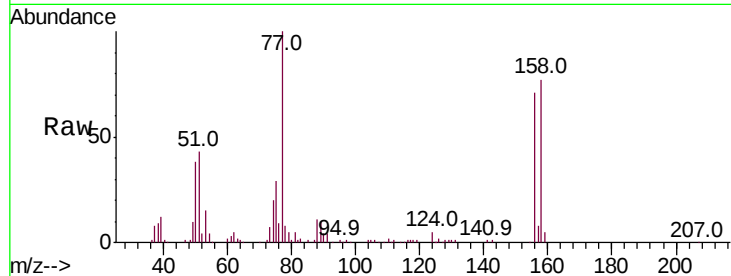




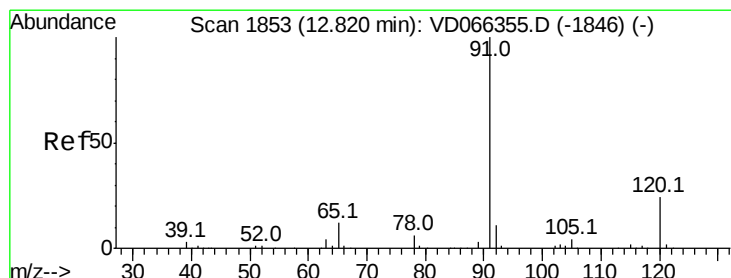
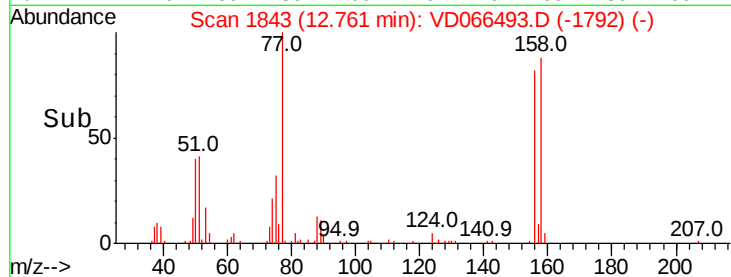
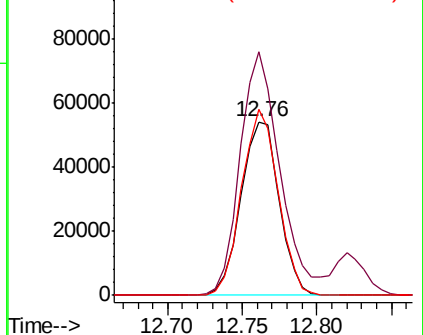
#77
Bromobenzene
Concen: 53.089 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 95734
Ion Ratio Lower Upper
156 100
77 147.2 76.1 228.3
158 102.5 47.6 142.9

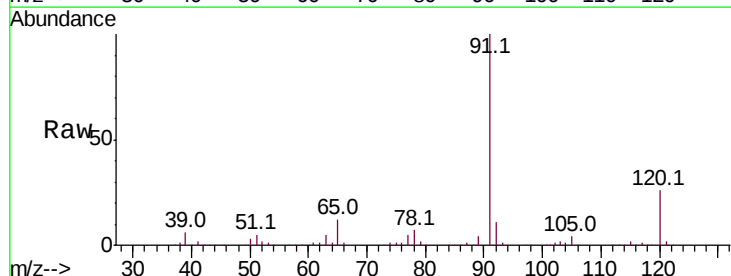


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.30): V
Ion 157.80 (157.50 to 158.10): V

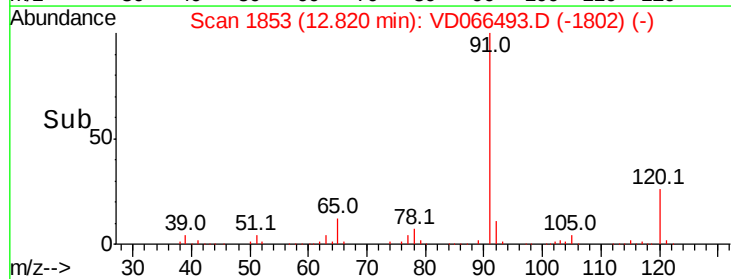
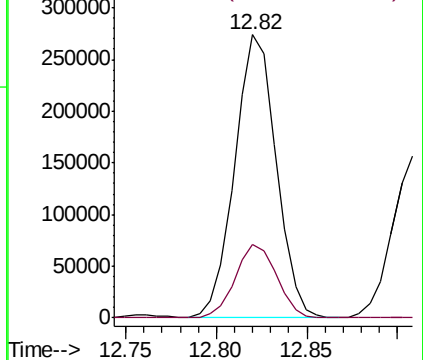


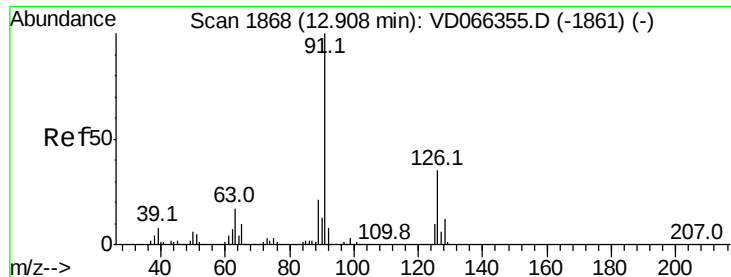
#78
n-propylbenzene
Concen: 53.436 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 91 Resp: 435306
Ion Ratio Lower Upper
91 100
120 26.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.30): V
Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 53.584 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

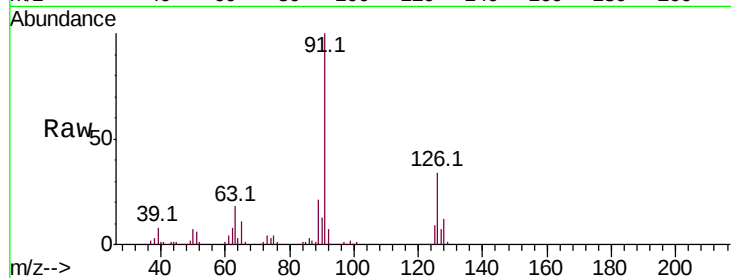
VSTDCCC050

Tot Ion: 91 Resp: 249311

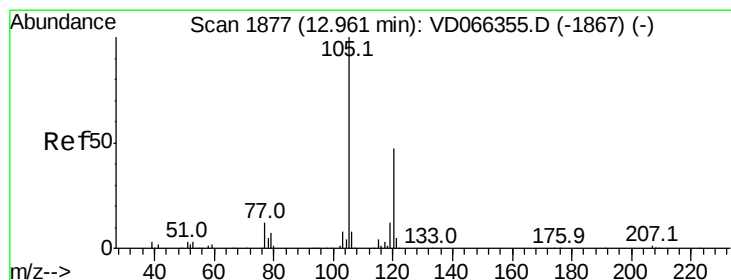
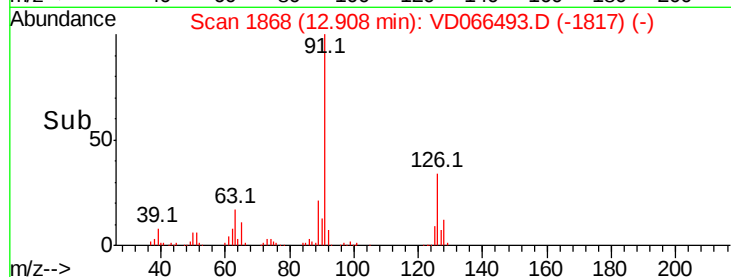
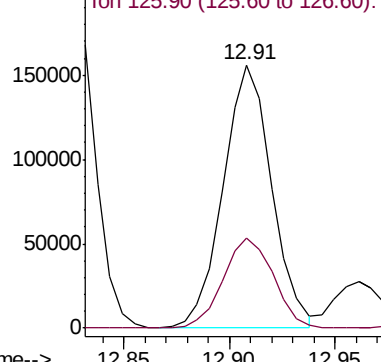
Ion Ratio Lower Upper

91 100

126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 57.284 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066493.D

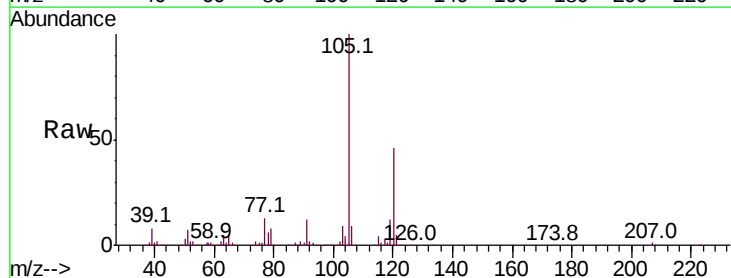
Acq: 01 Sep 2020 13:54

Tgt Ion:105 Resp: 351401

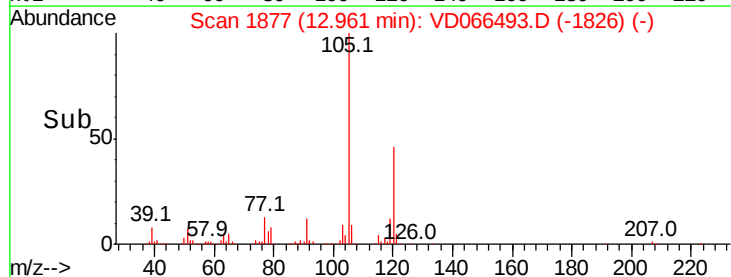
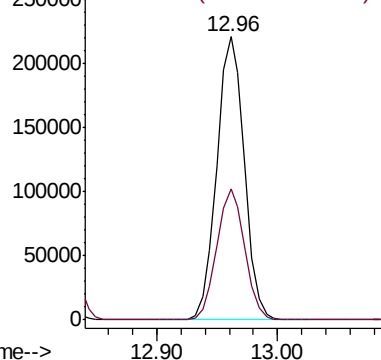
Ion Ratio Lower Upper

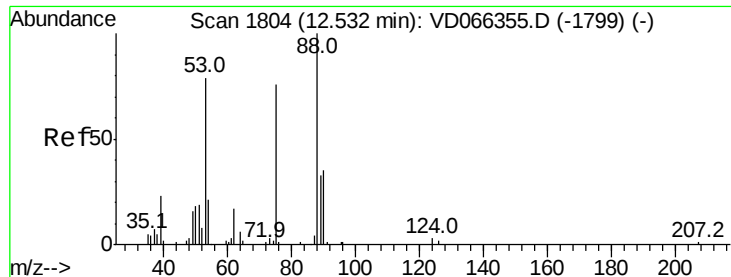
105 100

120 46.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.449 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

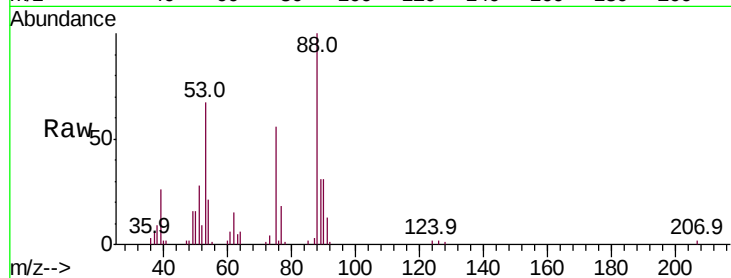
Tot Ion: 75 Resp: 17733

Ion Ratio Lower Upper

75 100

53 133.8 87.4 131.2#

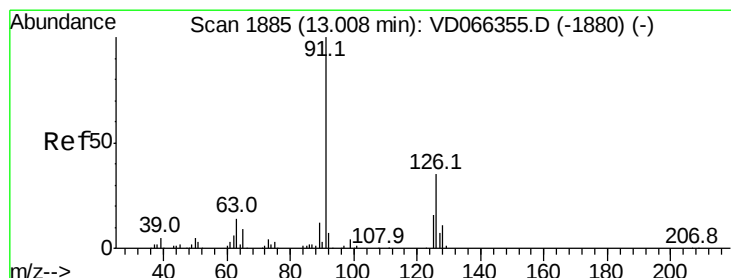
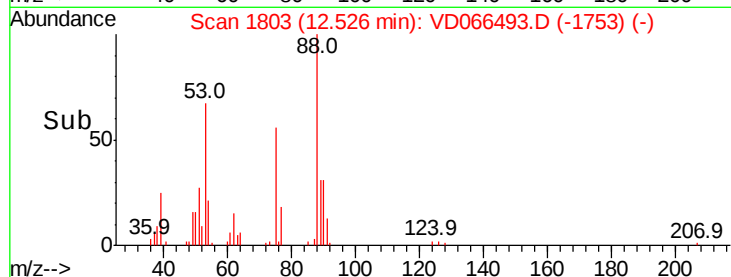
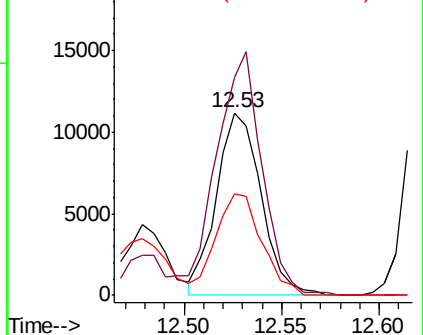
89 57.5 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.216 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066493.D

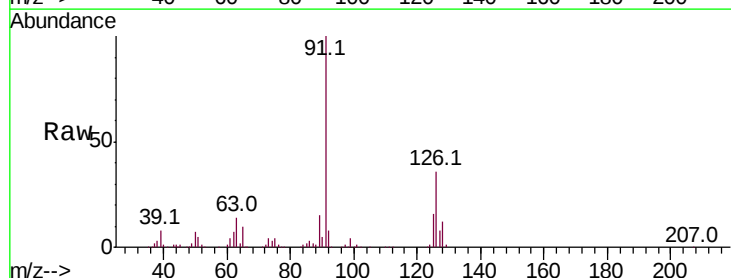
Acq: 01 Sep 2020 13:54

Tgt Ion: 91 Resp: 267250

Ion Ratio Lower Upper

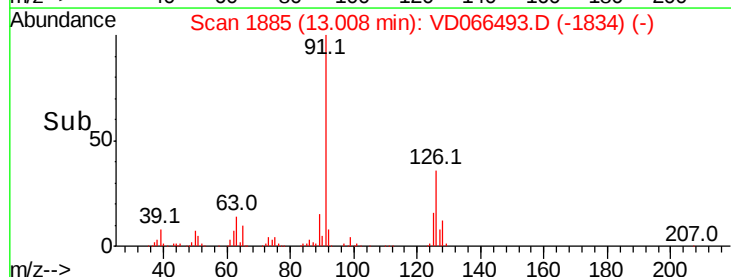
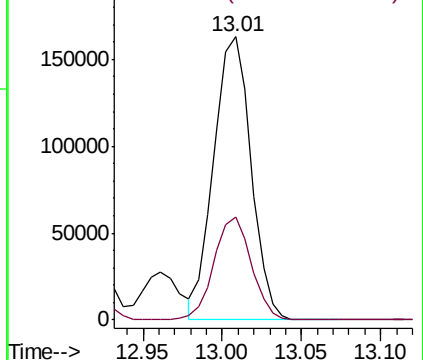
91 100

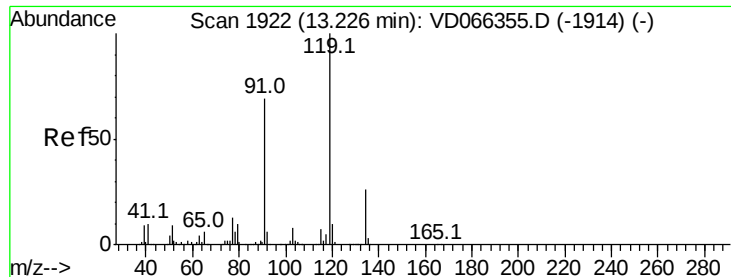
126 36.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

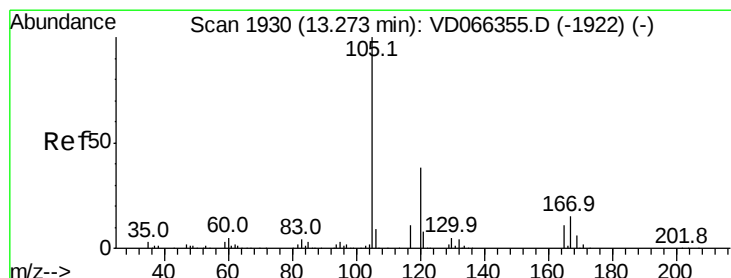
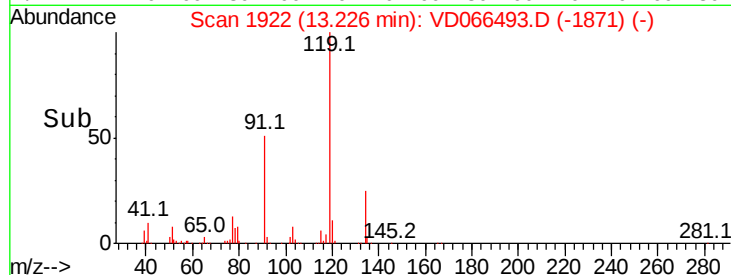
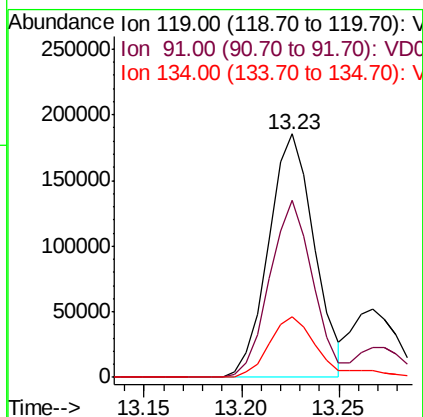
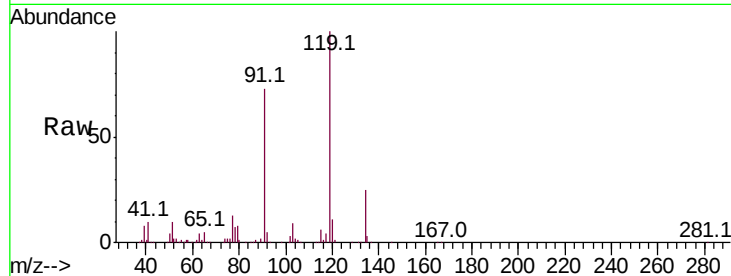




#83
tert-Butylbenzene
Concen: 56.534 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

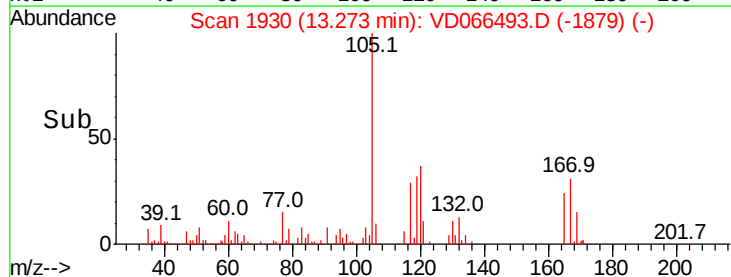
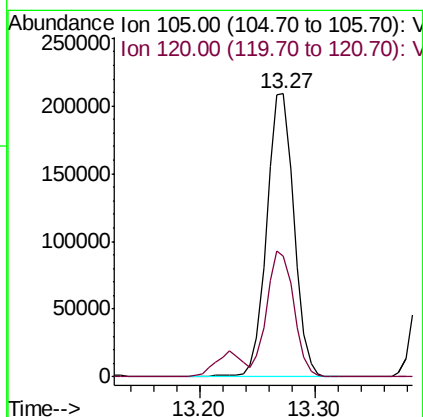
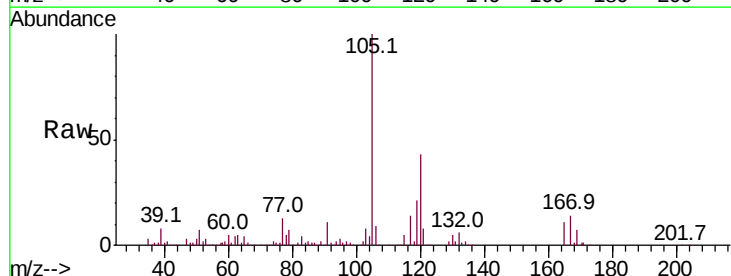
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

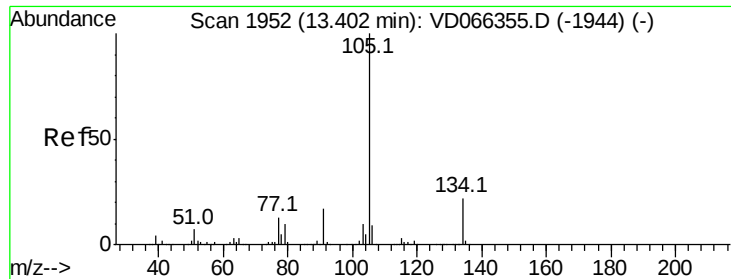
Tot Ion:119 Resp: 301224
Ion Ratio Lower Upper
119 100
91 69.8 33.5 100.5
134 27.2 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 57.307 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion:105 Resp: 345283
Ion Ratio Lower Upper
105 100
120 44.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 56.326 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

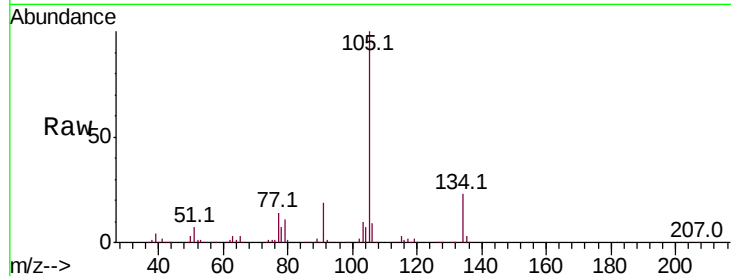
VSTDCCC050

Tot Ion:105 Resp: 393212

Ion Ratio Lower Upper

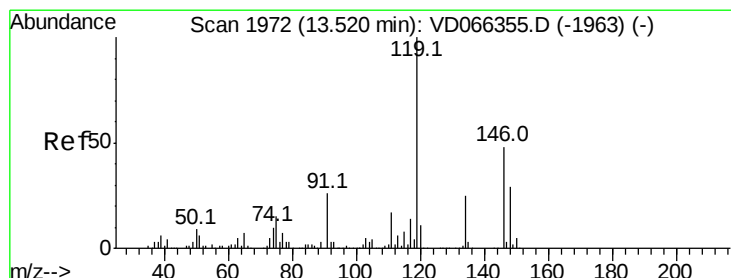
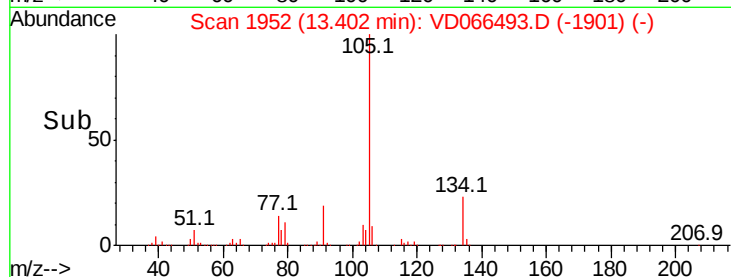
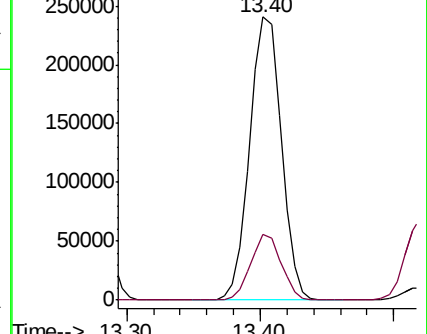
105 100

134 22.3 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.475 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066493.D

Acq: 01 Sep 2020 13:54

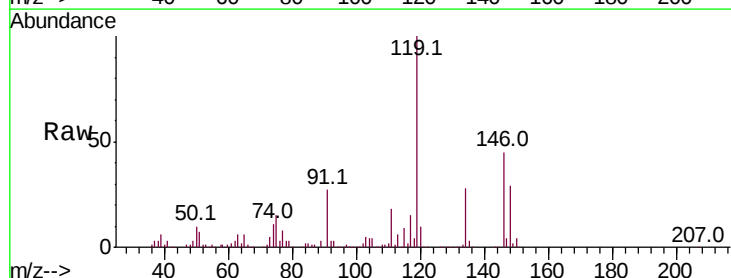
Tgt Ion:119 Resp: 386888

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

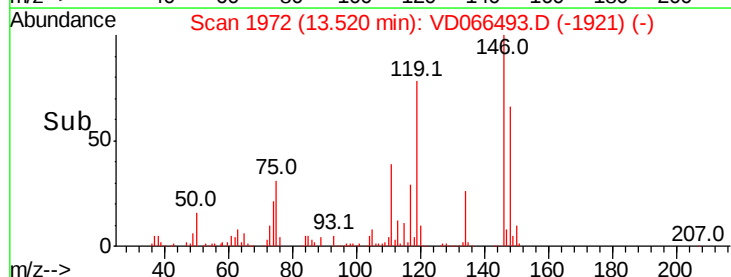
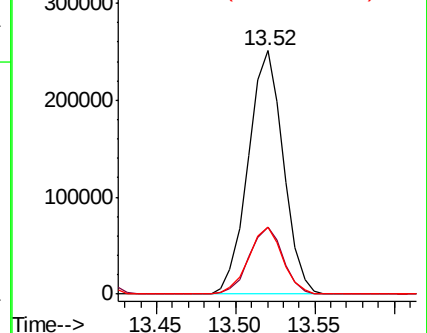
91 26.6 12.7 38.0

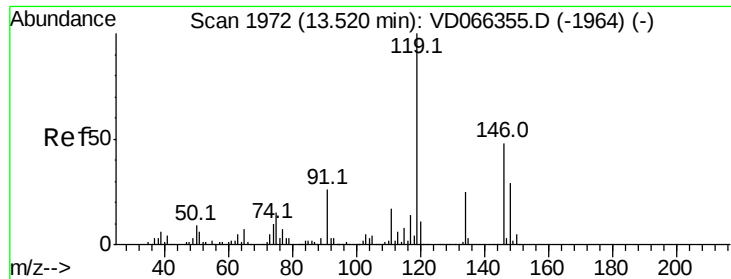


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

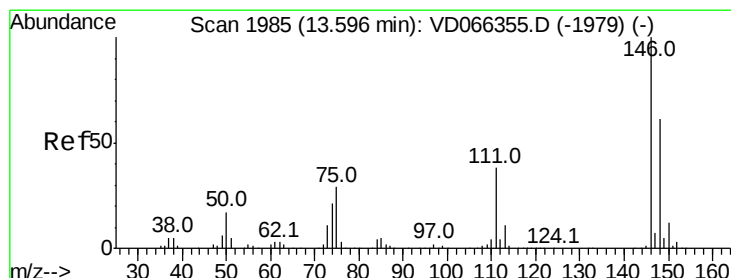
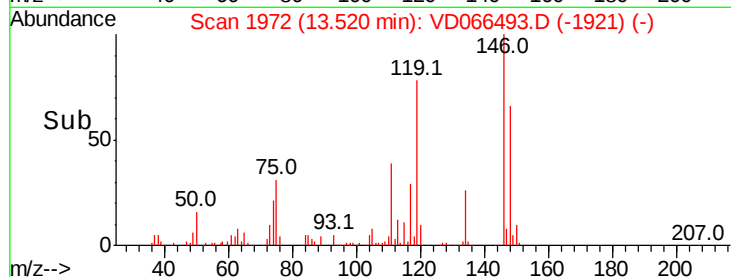
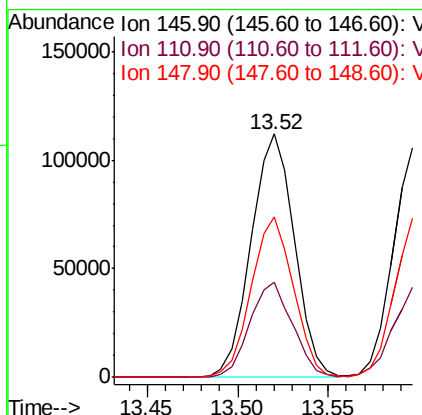
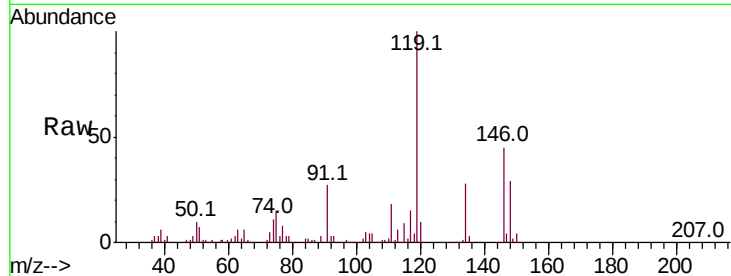




#87
 1,3-Dichlorobenzene
 Concen: 55.255 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

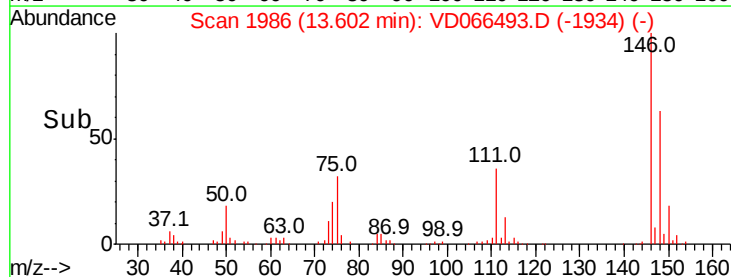
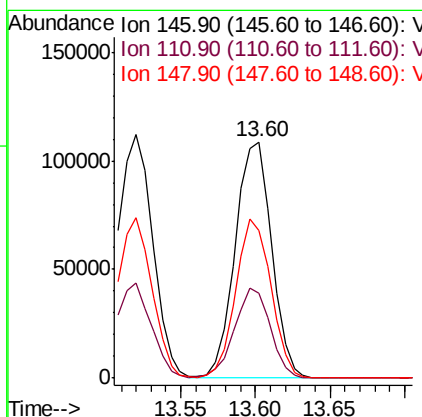
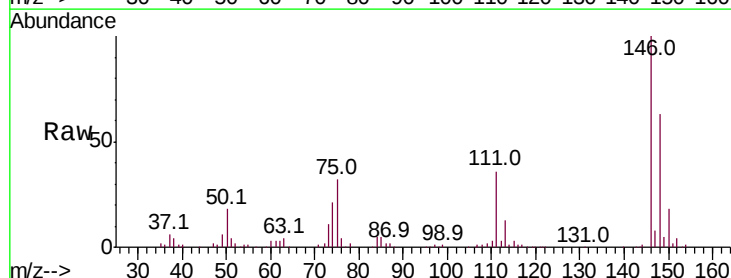
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

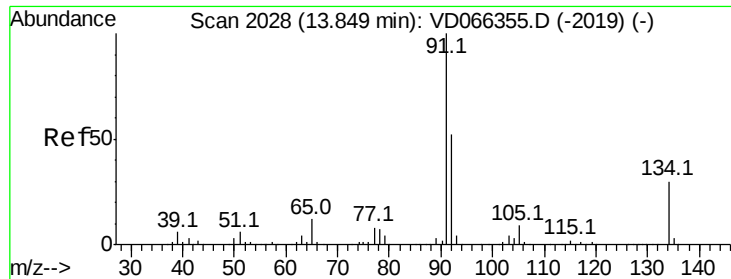
Tot Ion:146 Resp: 185997
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.9
 148 64.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 54.744 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion:146 Resp: 185026
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.5
 148 65.2 32.1 96.3

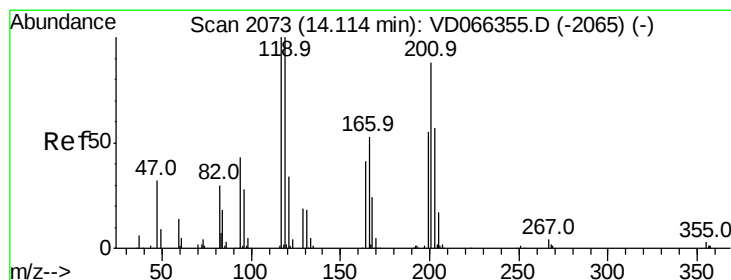
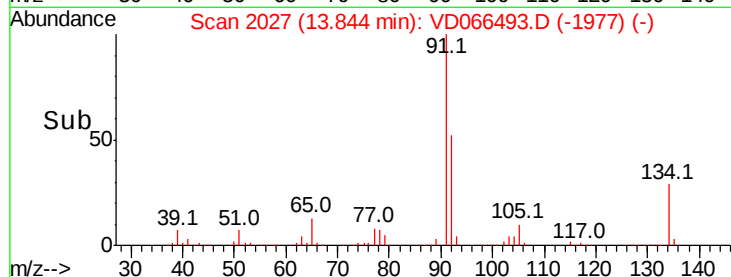
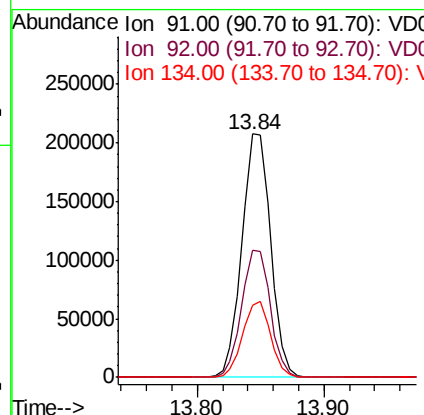
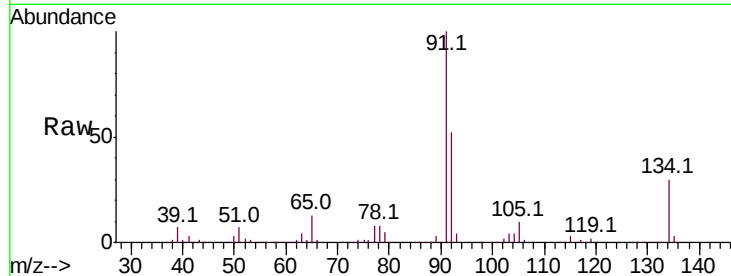




#89
n-Butylbenzene
Concen: 54.820 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

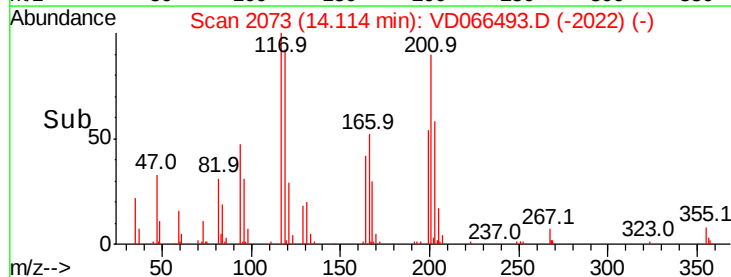
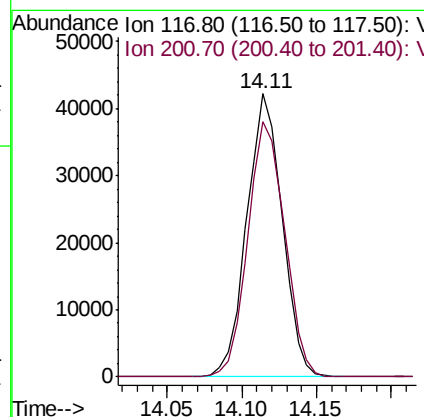
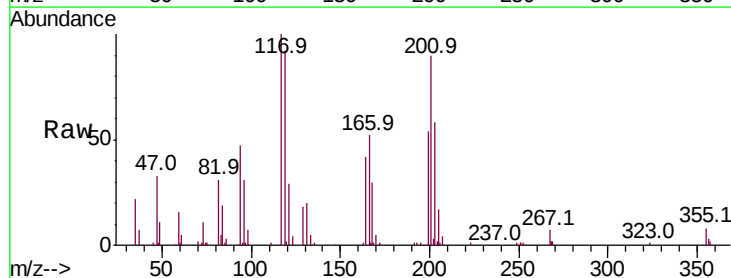
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

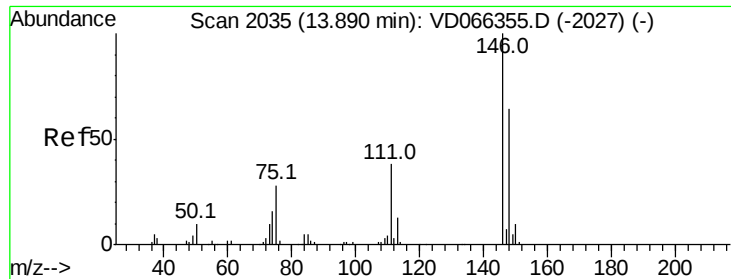
Tot Ion: 91 Resp: 325638
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 30.4 14.4 43.4



#90
Hexachloroethane
Concen: 52.109 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion: 117 Resp: 69291
Ion Ratio Lower Upper
117 100
201 93.6 45.4 136.2

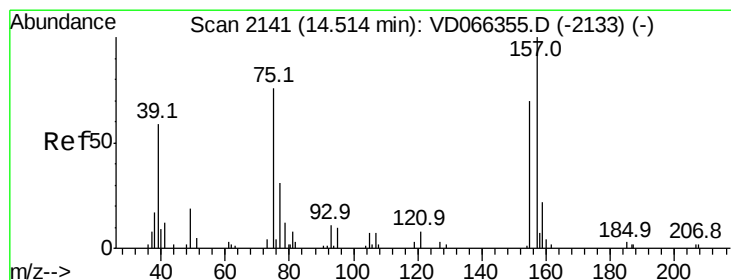
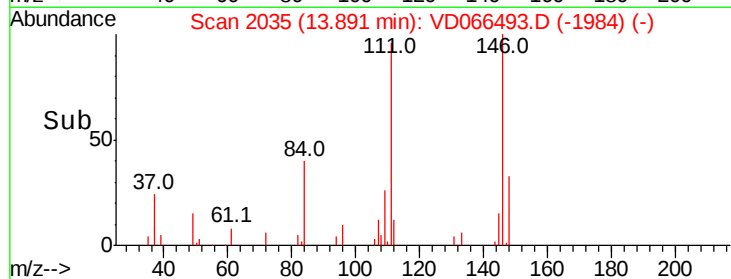
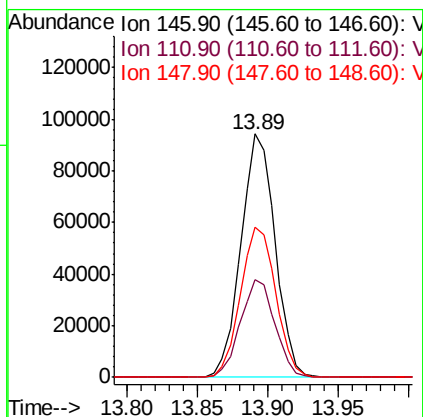
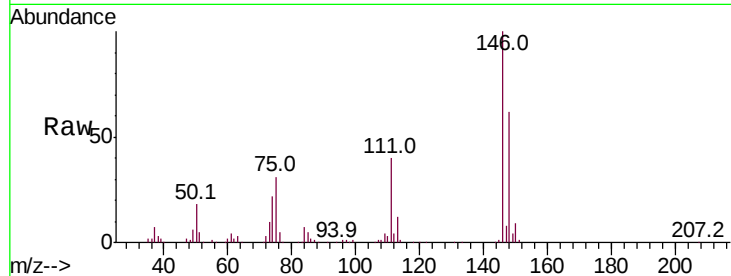




#91
 1,2-Dichlorobenzene
 Concen: 55.027 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

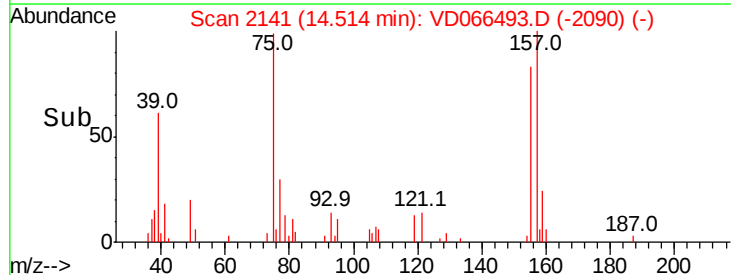
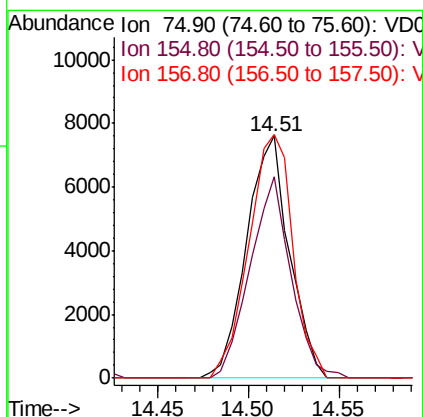
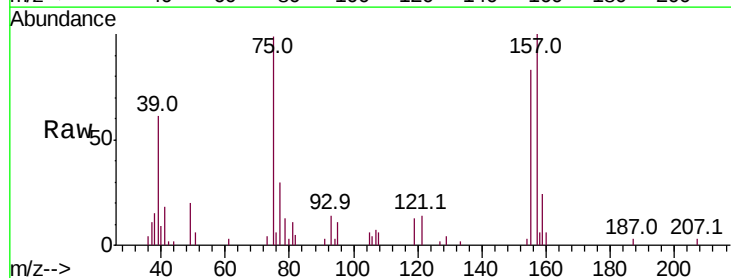
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

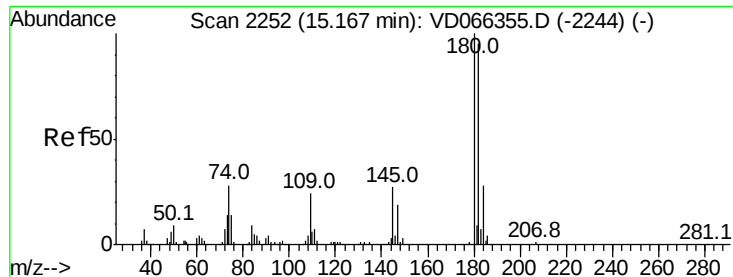
Tot Ion:146 Resp: 159457
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.7
 148 63.8 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.628 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion: 75 Resp: 12480
 Ion Ratio Lower Upper
 75 100
 155 79.3 46.9 140.6
 157 103.4 61.0 183.0

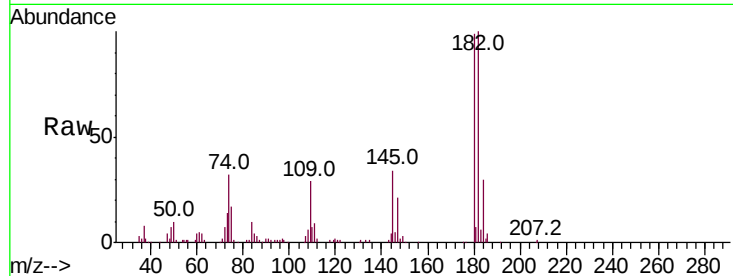




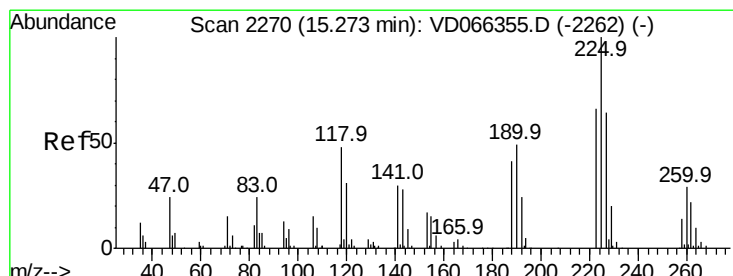
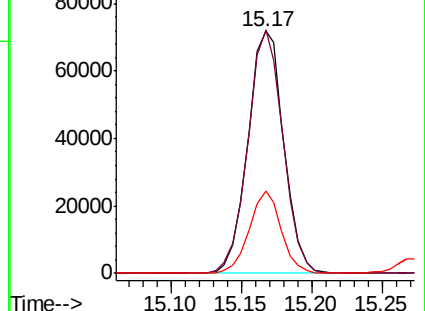
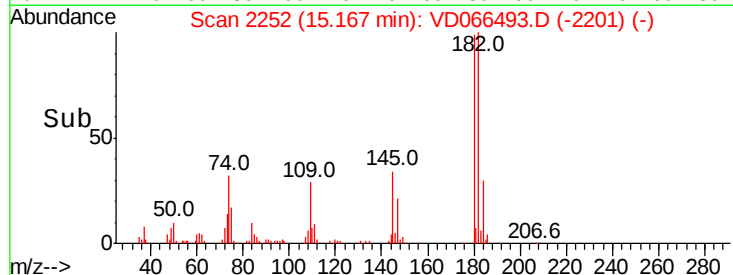
#93
 1,2,4-Trichlorobenzene
 Concen: 56.434 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	127668
Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.0	144.0
145	30.4	15.2	45.6

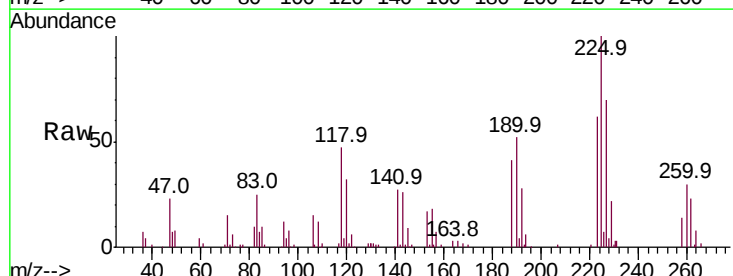


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

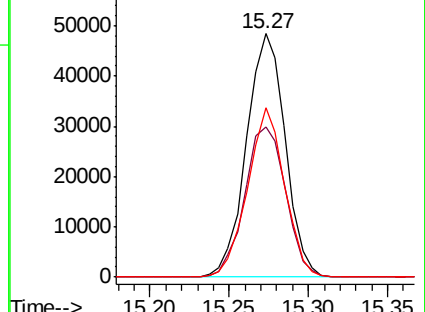
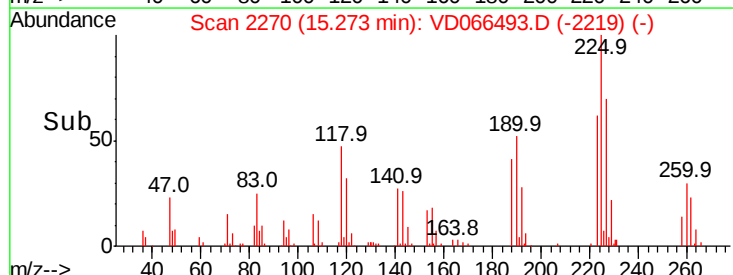


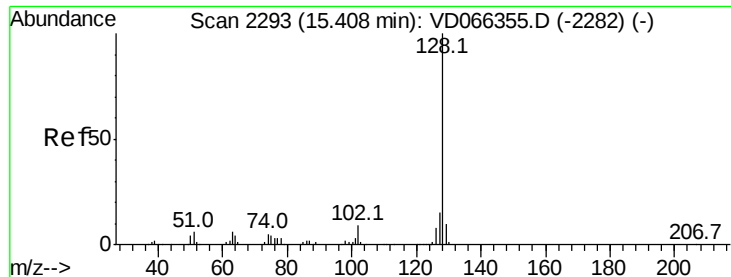
#94
 Hexachlorobutadiene
 Concen: 58.601 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066493.D
 Acq: 01 Sep 2020 13:54

Tgt Ion:	225	Resp:	82385
Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	66.2	33.0	98.9



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

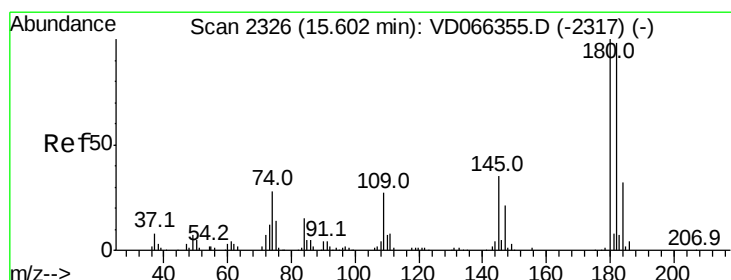
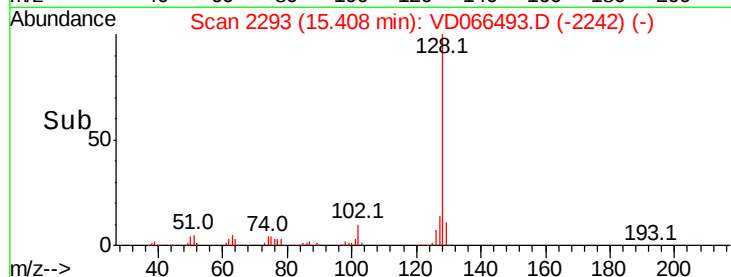
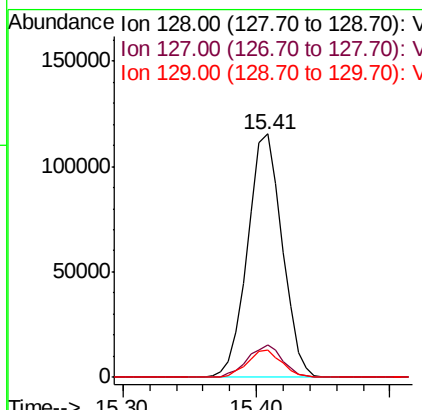
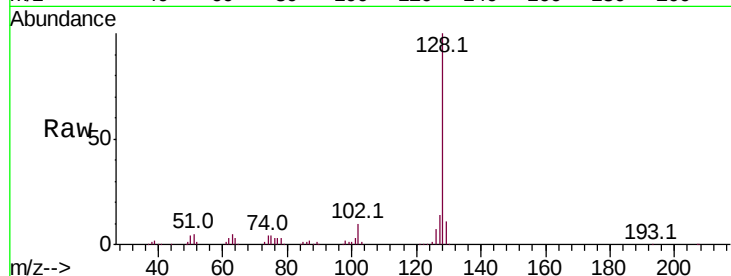




#95
Naphthalene
Concen: 58.054 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 206275
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.309 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066493.D
Acq: 01 Sep 2020 13:54

Tgt Ion:180 Resp: 109124
Ion Ratio Lower Upper
180 100
182 97.9 46.7 140.0
145 32.4 16.0 48.0

