

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065843.D
 Acq On : 22 Jun 2020 14:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 06:53:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	211234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	304009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104722	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.91	113	101590	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.34	98	391018	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	132766	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59474	41.166	ug/l	98
3) Chloromethane	2.21	50	111032	46.526	ug/l	99
4) Vinyl Chloride	2.35	62	132058	42.374	ug/l	96
5) Bromomethane	2.77	94	92413	42.401	ug/l	98
6) Chloroethane	2.92	64	90439	42.919	ug/l	96
7) Trichlorofluoromethane	3.27	101	153783	43.553	ug/l	98
8) Diethyl Ether	3.70	74	42504	45.786	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93760	44.532	ug/l	98
10) Methyl Iodide	4.30	142	93088	45.403	ug/l	98
11) Tert butyl alcohol	5.22	59	29889	256.378	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	84371	43.967	ug/l	99
13) Acrolein	3.92	56	24813	211.645	ug/l	98
14) Allyl chloride	4.71	41	142350	44.882	ug/l	97
15) Acrylonitrile	5.42	53	96668	229.272	ug/l	99
16) Acetone	4.15	43	116390	295.611	ug/l	95
17) Carbon Disulfide	4.40	76	263233	40.870	ug/l	99
18) Methyl Acetate	4.71	43	42638	47.856	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	200212	46.062	ug/l	94
20) Methylene Chloride	4.97	84	100540	47.896	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99115	44.104	ug/l	96
22) Diisopropyl ether	6.36	45	301938	47.116	ug/l	95
23) Vinyl Acetate	6.30	43	888719	245.588	ug/l	98
24) 1,1-Dichloroethane	6.27	63	175299	44.895	ug/l	98
25) 2-Butanone	7.21	43	134494	247.341	ug/l	93
26) 2,2-Dichloropropane	7.20	77	160675	46.409	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	111864	46.274	ug/l	99
28) Bromochloromethane	7.54	49	75342	49.959	ug/l	98
29) Tetrahydrofuran	7.56	42	80152	233.226	ug/l	98
30) Chloroform	7.71	83	184258	45.527	ug/l	98
31) Cyclohexane	7.98	56	160052	42.758	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	168497	45.277	ug/l	97
36) 1,1-Dichloropropene	8.11	75	145139	47.351	ug/l	98
37) Ethyl Acetate	7.30	43	57496	47.622	ug/l	99
38) Carbon Tetrachloride	8.10	117	156477	48.508	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168852	46.528	ug/l	98
40) Benzene	8.35	78	394437	47.071	ug/l	99
41) Methacrylonitrile	7.51	41	30999	43.120	ug/l #	79
42) 1,2-Dichloroethane	8.42	62	117670	46.540	ug/l	99
43) Isopropyl Acetate	8.45	43	116493	48.522	ug/l	98
44) Trichloroethene	9.11	130	108478	46.518	ug/l	98
45) 1,2-Dichloropropane	9.39	63	100057	47.521	ug/l	97
46) Dibromomethane	9.47	93	52315	45.813	ug/l	98
47) Bromodichloromethane	9.66	83	143291	46.827	ug/l	98
48) Methyl methacrylate	9.46	41	58861	50.651	ug/l	97
49) 1,4-Dioxane	9.46	88	12063	992.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	289326	245.938	ug/l	99
52) Toluene	10.40	92	262855	48.277	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	136697	49.332	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	159678	48.793	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	71704	46.995	ug/l	98
56) Ethyl methacrylate	10.66	69	90586	50.476	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126344	47.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	232932	279.174	ug/l	100
59) 2-Hexanone	10.98	43	212889	268.416	ug/l	100
60) Dibromochloromethane	11.14	129	99112	48.085	ug/l	100
61) 1,2-Dibromoethane	11.24	107	73308	48.889	ug/l	99
64) Tetrachloroethene	10.88	164	93199	45.336	ug/l	98
65) Chlorobenzene	11.67	112	274615	46.271	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	103426	46.751	ug/l	99
67) Ethyl Benzene	11.75	91	502440	47.389	ug/l	97
68) m/p-Xylenes	11.86	106	389108	95.279	ug/l	100
69) o-Xylene	12.18	106	177324	48.157	ug/l	100
70) Styrene	12.20	104	309954	48.626	ug/l	99
71) Bromoform	12.37	173	55822	45.822	ug/l #	99
73) Isopropylbenzene	12.48	105	487357	47.521	ug/l	100
74) N-amyl acetate	12.29	43	109010	47.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	82655	47.722	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	109554	92.091	ug/l #	100
77) Bromobenzene	12.77	156	111679	46.025	ug/l	96
78) n-propylbenzene	12.83	91	590857	47.862	ug/l	98
79) 2-Chlorotoluene	12.91	91	322566	47.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	408086	47.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26909	48.873	ug/l	99
82) 4-Chlorotoluene	13.01	91	346130	47.617	ug/l	99
83) tert-Butylbenzene	13.23	119	362739	48.984	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	411904	48.219	ug/l	99
85) sec-Butylbenzene	13.41	105	506594	49.157	ug/l	99
86) p-Isopropyltoluene	13.52	119	462613	48.976	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	224589	46.941	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	222065	46.659	ug/l	100
89) n-Butylbenzene	13.85	91	437075	48.517	ug/l	100
90) Hexachloroethane	14.12	117	89514	47.344	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	194433	47.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13880	48.153	ug/l	90

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QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

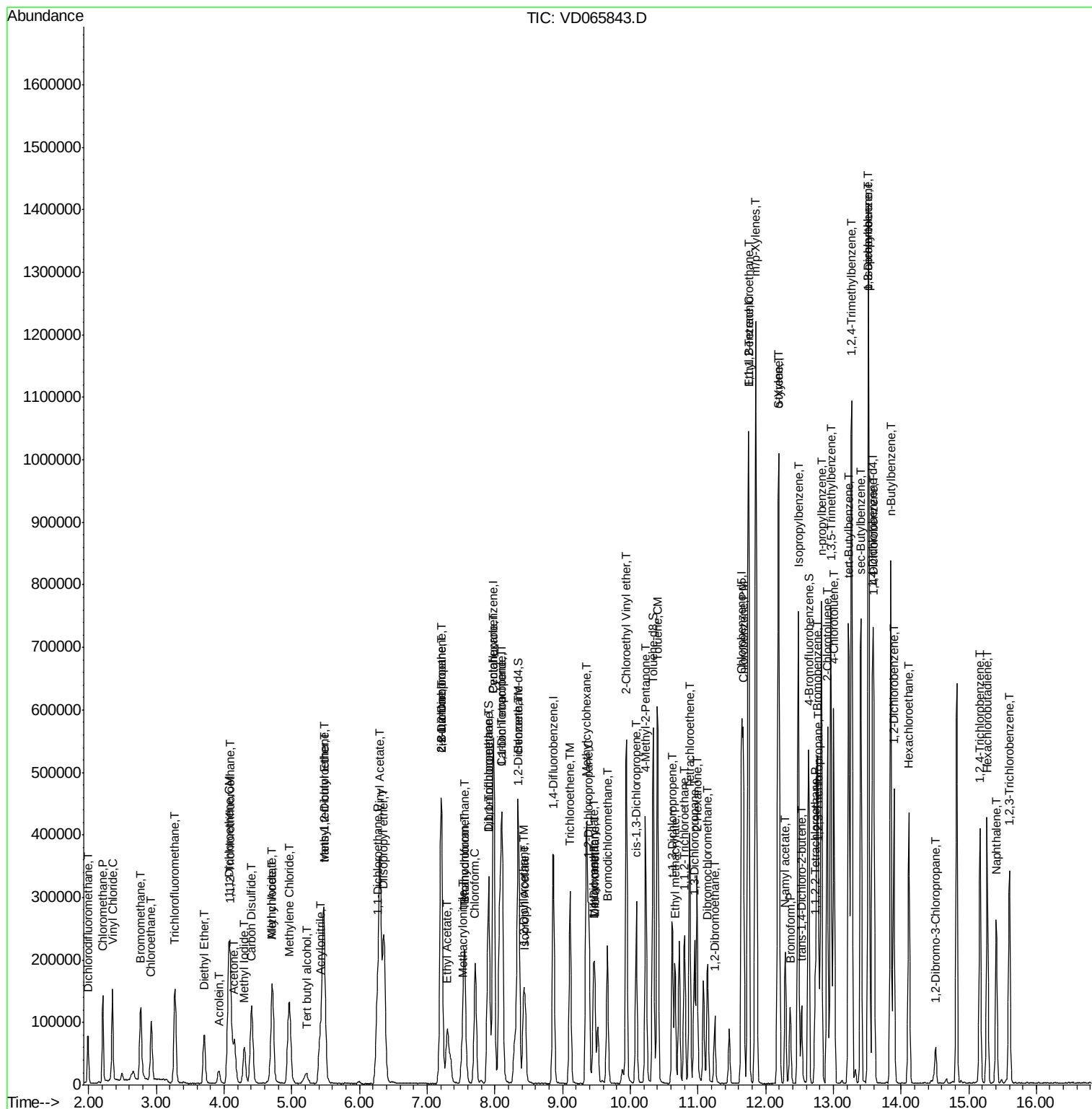
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	134545	48.058	ug/l	100
94) Hexachlorobutadiene	15.27	225	78685	46.493	ug/l	99
95) Naphthalene	15.41	128	222259	46.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	117018	48.530	ug/l	98

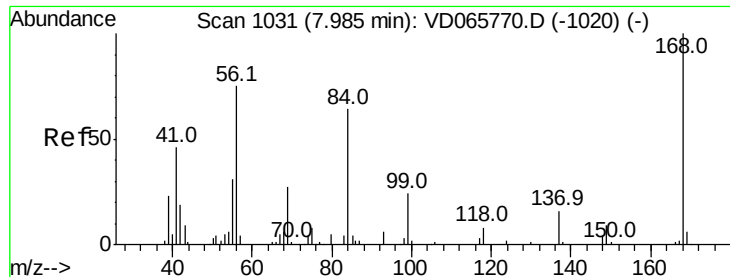
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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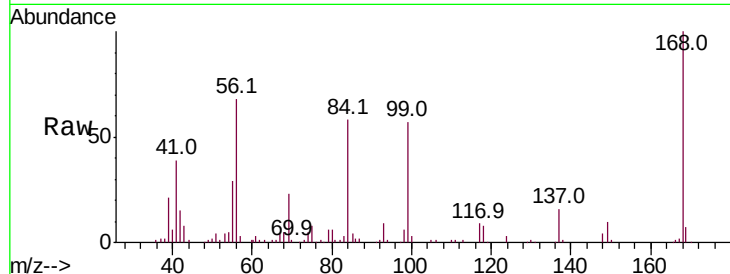




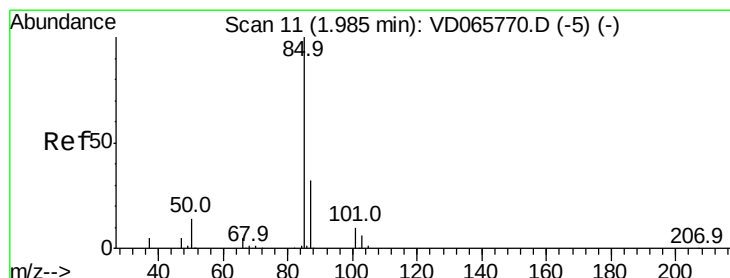
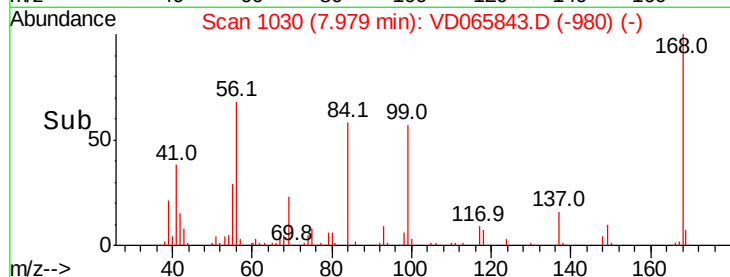
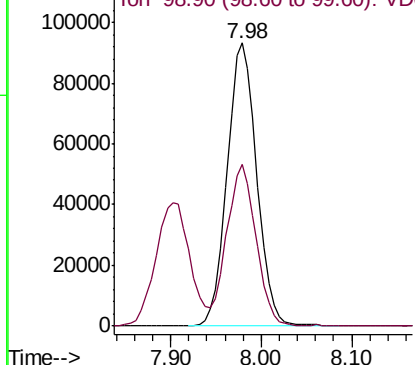
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
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MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 211234
Ion Ratio Lower Upper
168 100
99 57.0 45.3 67.9

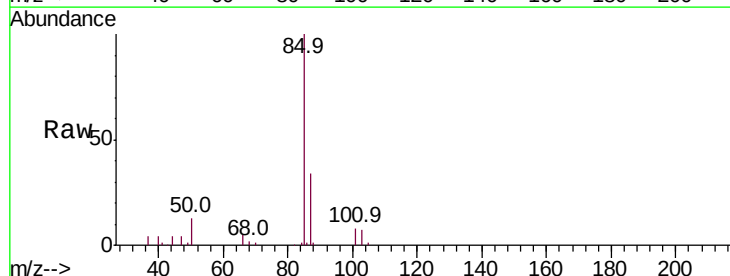


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

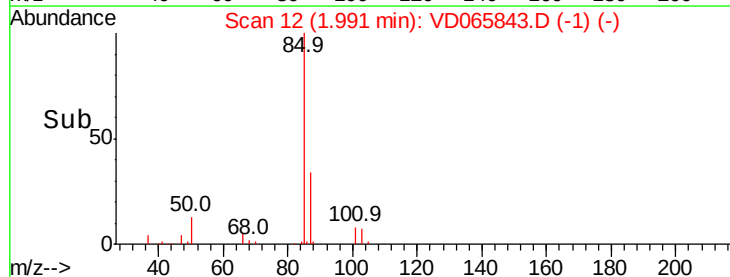
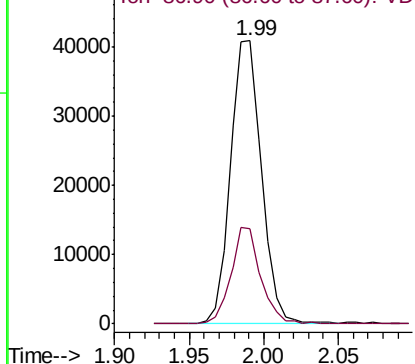


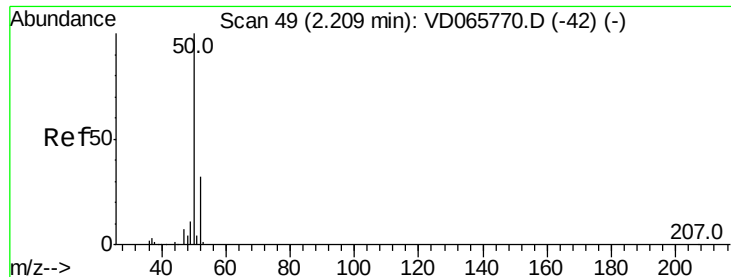
#2
Dichlorodifluoromethane
Concen: 41.166 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 85 Resp: 59474
Ion Ratio Lower Upper
85 100
87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.526 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

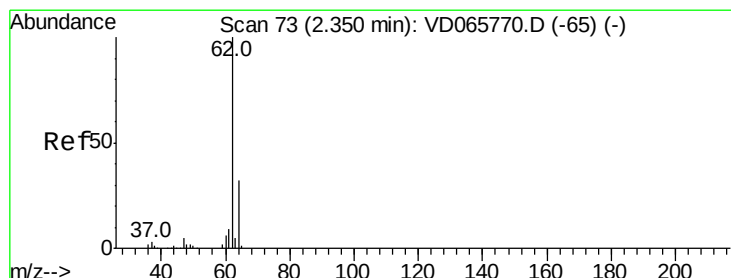
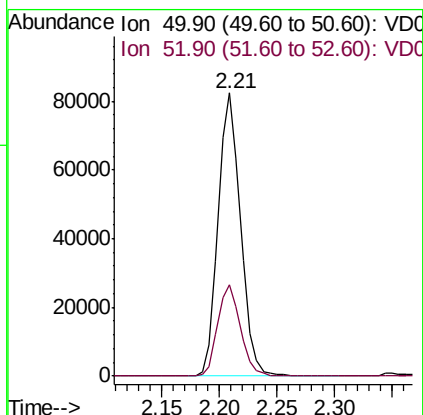
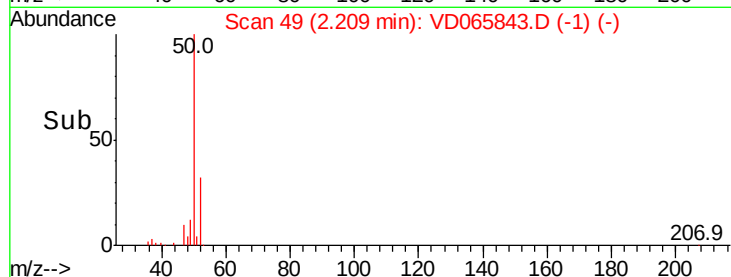
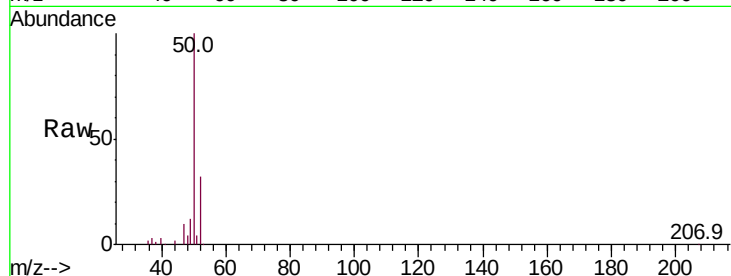
VSTDCCC050

Tot Ion: 50 Resp: 111032

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



#4

Vinyl Chloride

Concen: 42.374 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065843.D

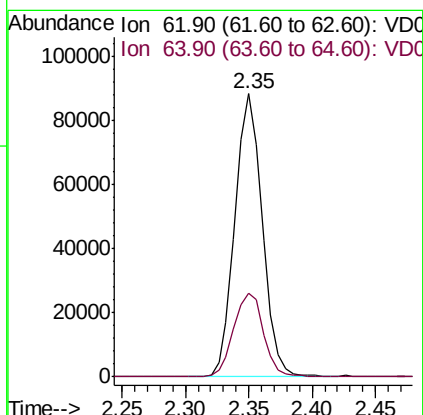
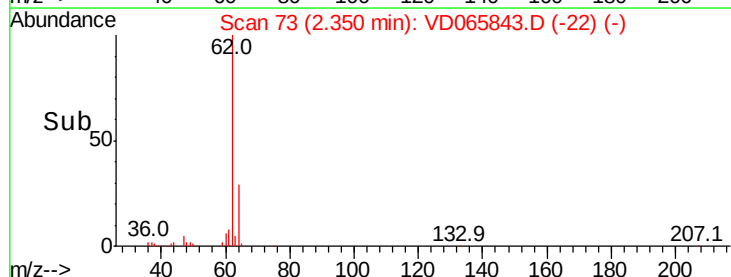
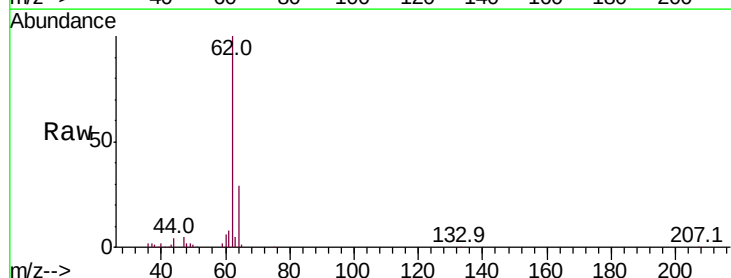
Acq: 22 Jun 2020 14:26

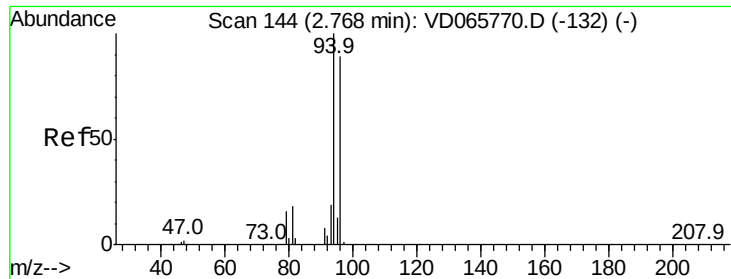
Tgt Ion: 62 Resp: 132058

Ion Ratio Lower Upper

62 100

64 29.4 25.3 37.9





#5

Bromomethane

Concen: 42.401 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

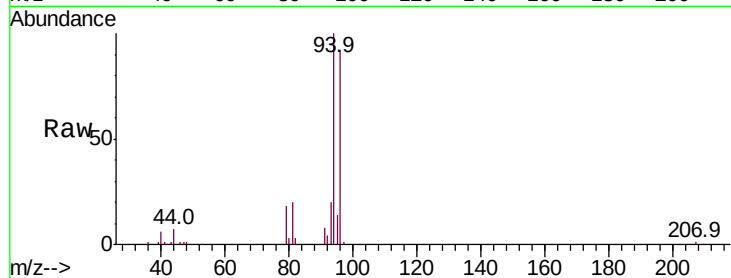
VSTDCCC050

Tot Ion: 94 Resp: 92413

Ion Ratio Lower Upper

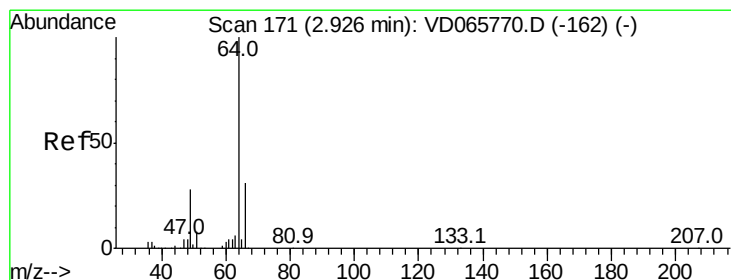
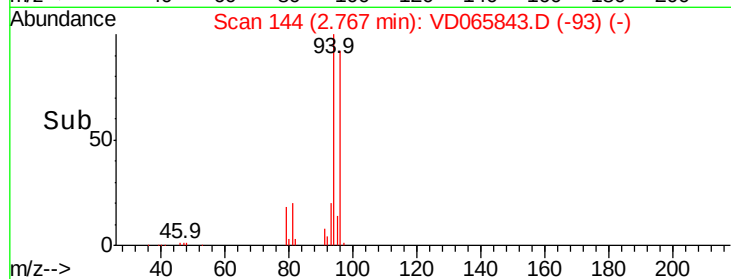
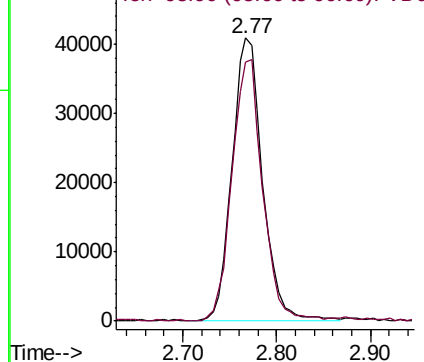
94 100

96 91.3 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.919 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065843.D

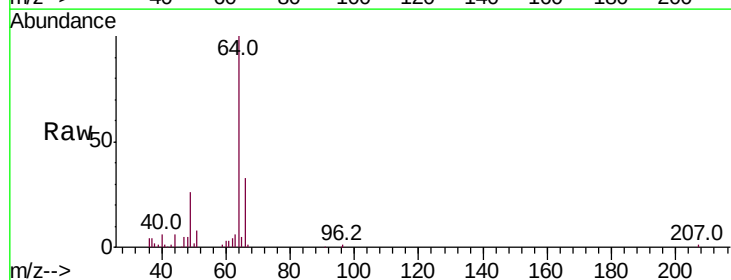
Acq: 22 Jun 2020 14:26

Tgt Ion: 64 Resp: 90439

Ion Ratio Lower Upper

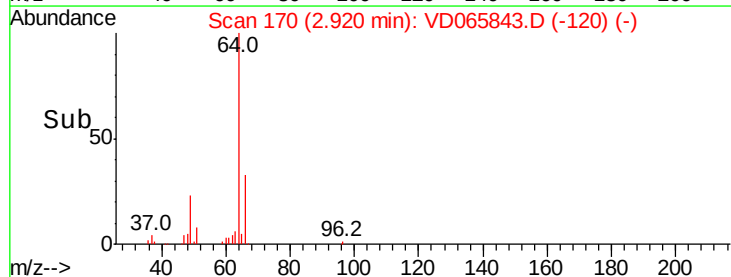
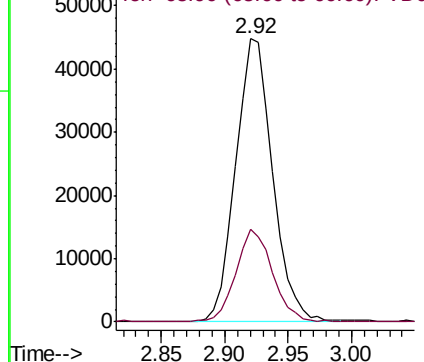
64 100

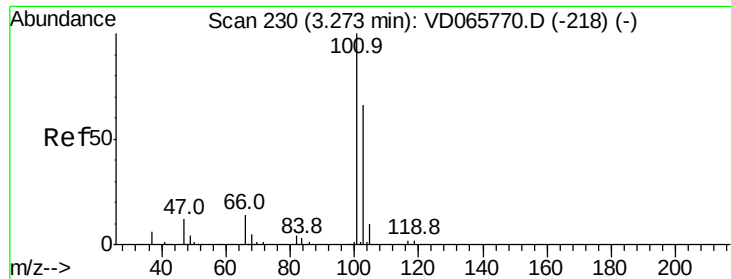
66 32.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



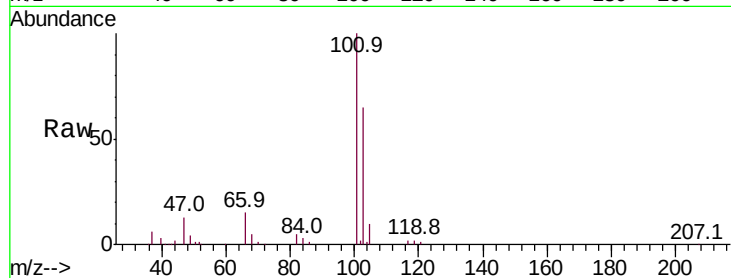


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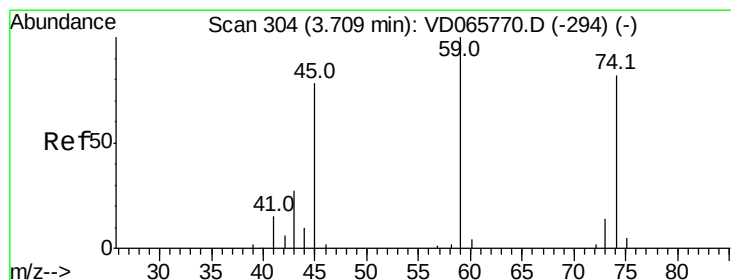
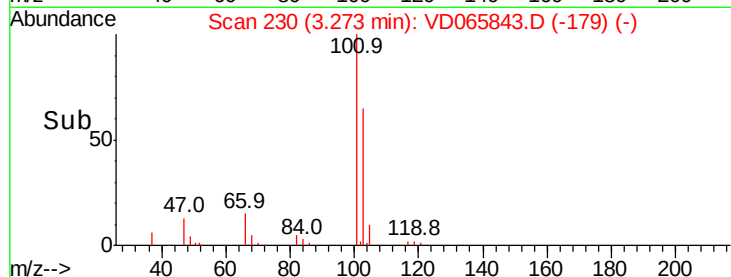
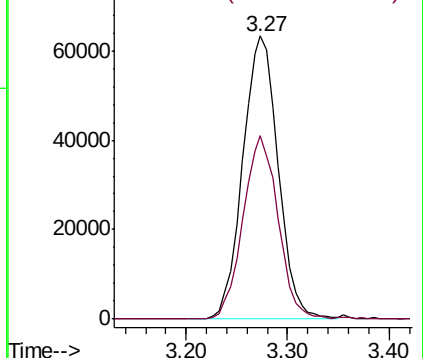
Trichlorofluoromethane
Concen: 43.553 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 153783
Ion Ratio Lower Upper
101 100
103 64.8 53.1 79.7



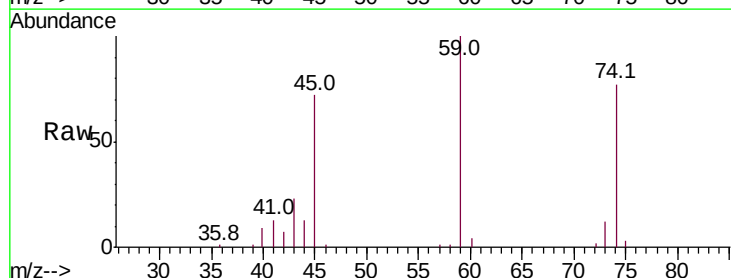
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



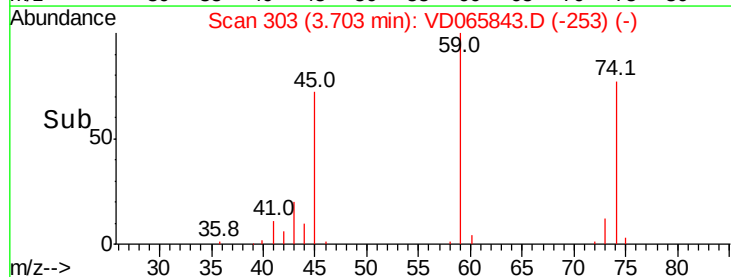
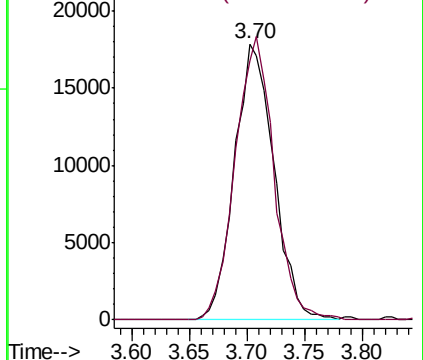
#8

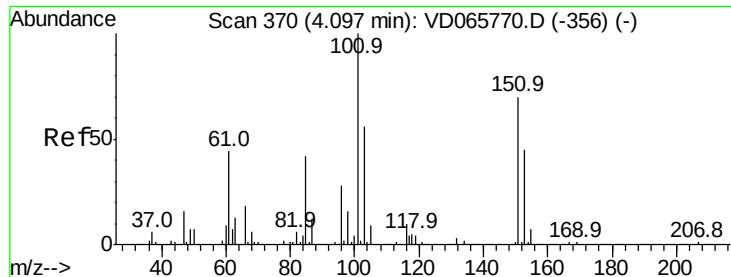
Diethyl Ether
Concen: 45.786 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 74 Resp: 42504
Ion Ratio Lower Upper
74 100
45 100.7 47.9 143.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.532 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

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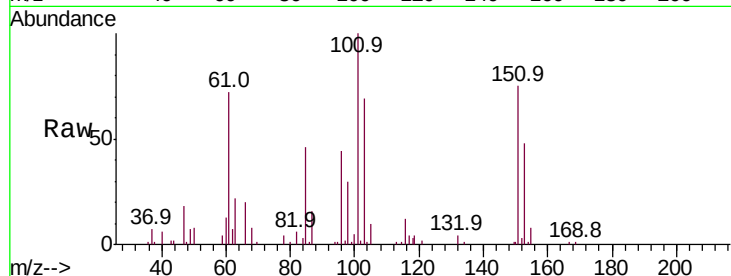
Tot Ion:101 Resp: 93760

Ion Ratio Lower Upper

101 100

85 45.1 36.5 54.7

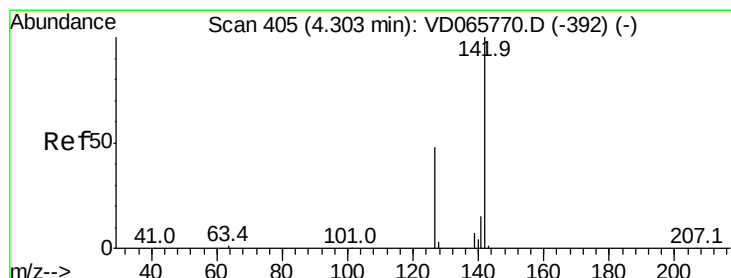
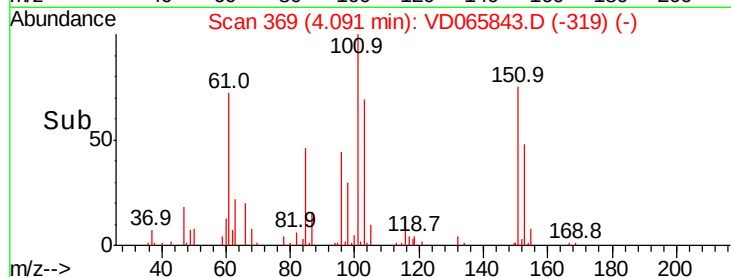
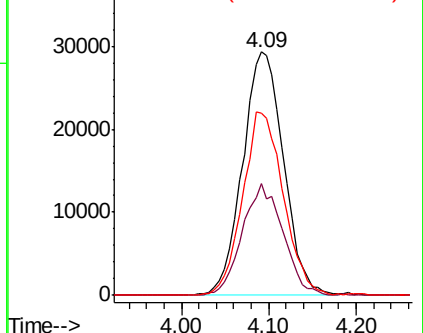
151 74.6 61.8 92.6



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: 45.403 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

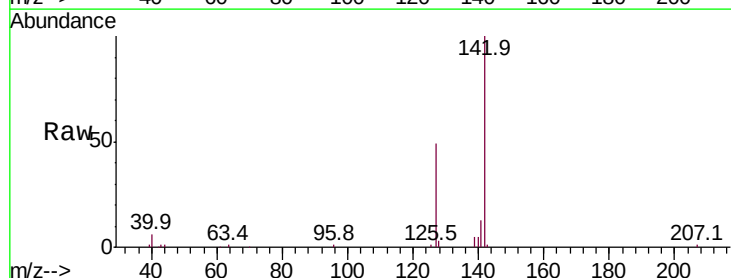
Tgt Ion:142 Resp: 93088

Ion Ratio Lower Upper

142 100

127 46.0 37.6 56.4

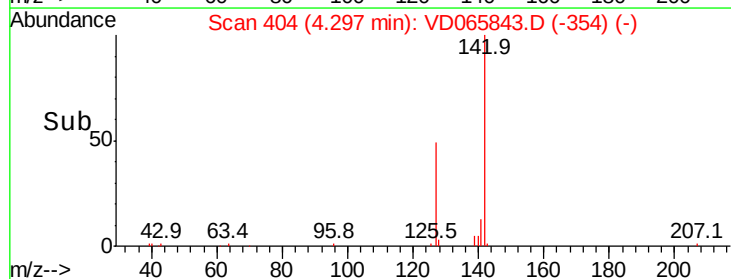
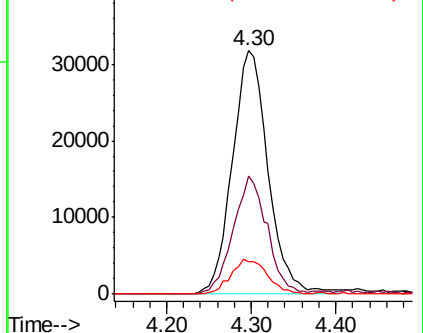
141 14.4 12.1 18.1

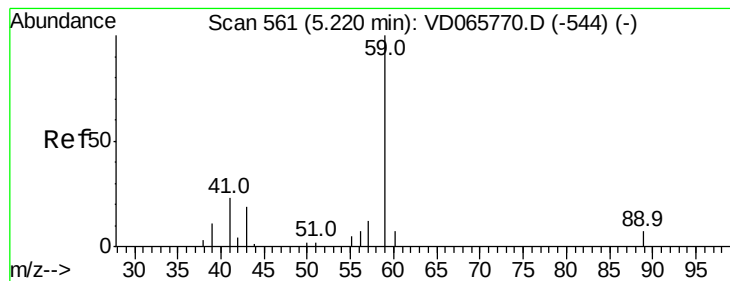


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



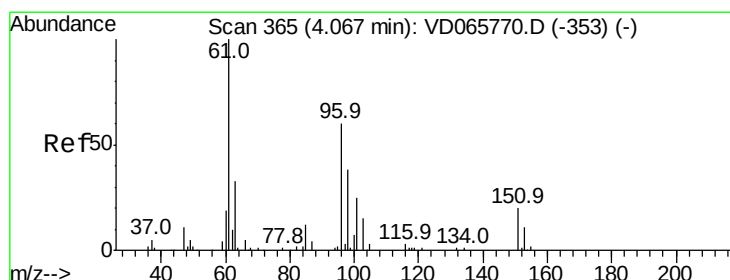
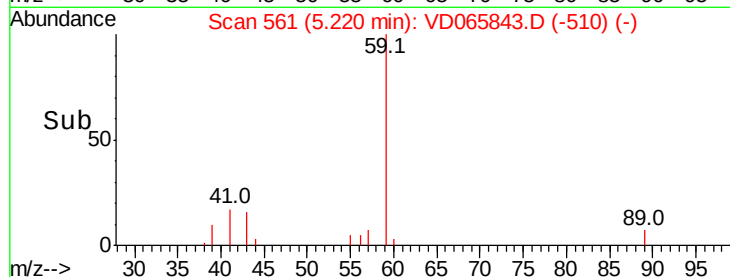
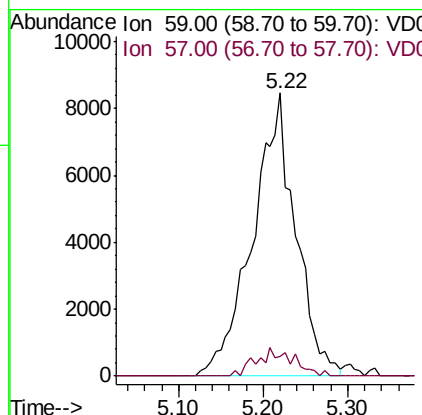
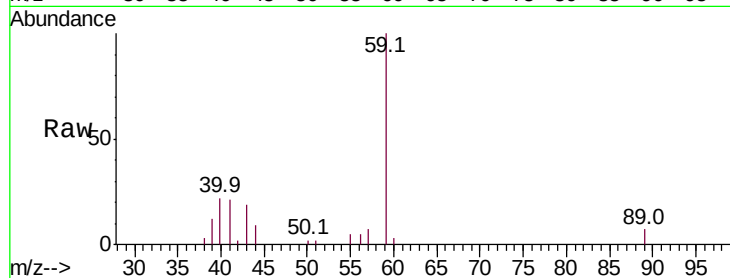


#11

Tert butyl alcohol
 Concen: 256.378 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

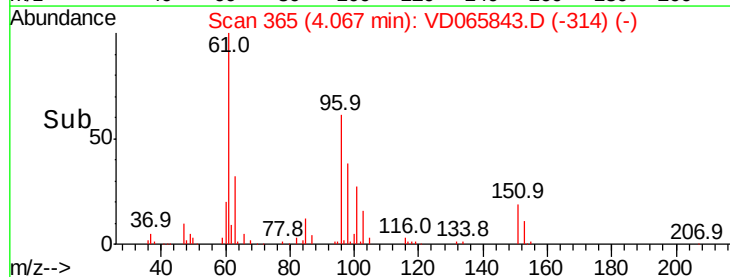
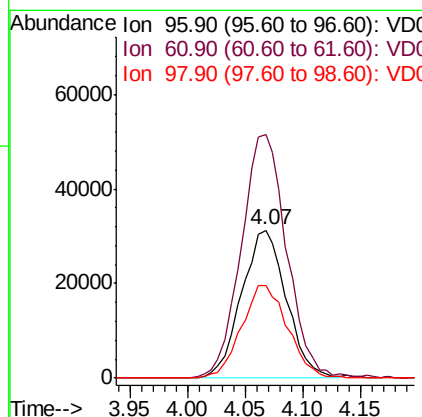
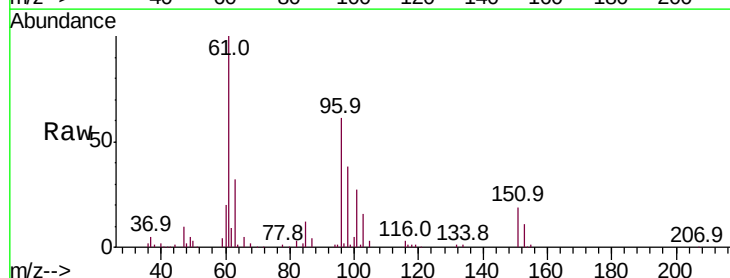
Tot Ion: 59 Resp: 29889
 Ion Ratio Lower Upper
 59 100
 57 6.8 7.5 11.3#

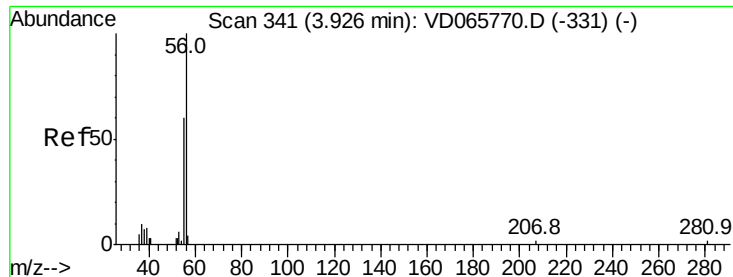


#12

1,1-Dichloroethene
 Concen: 43.967 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 96 Resp: 84371
 Ion Ratio Lower Upper
 96 100
 61 164.6 132.3 198.5
 98 63.0 50.7 76.1





#13

Acrolein

Concen: 211.645 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

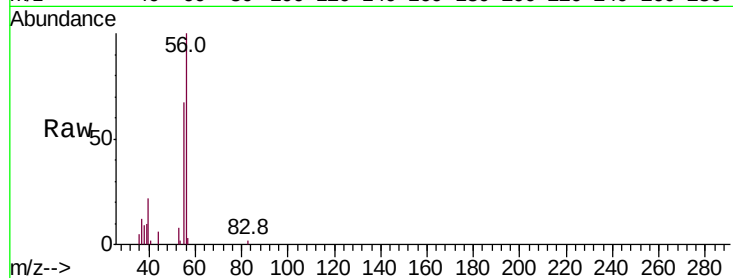
VSTDCCC050

Tot Ion: 56 Resp: 24813

Ion Ratio Lower Upper

56 100

55 70.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

6000

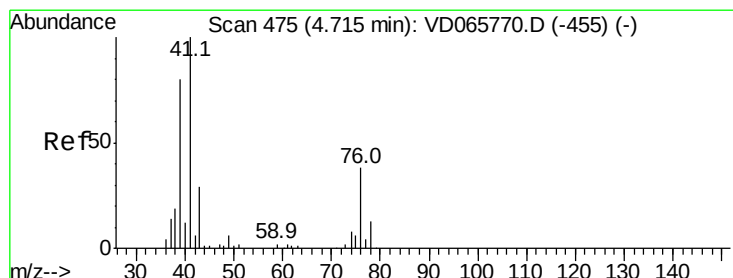
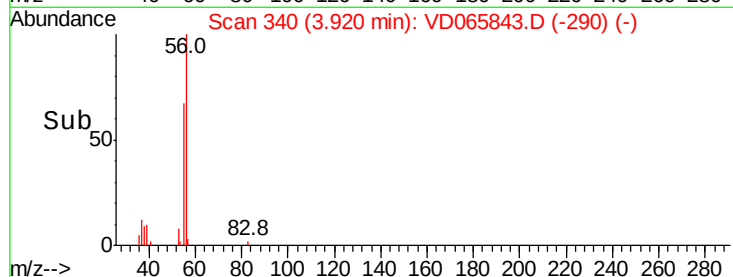
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 44.882 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

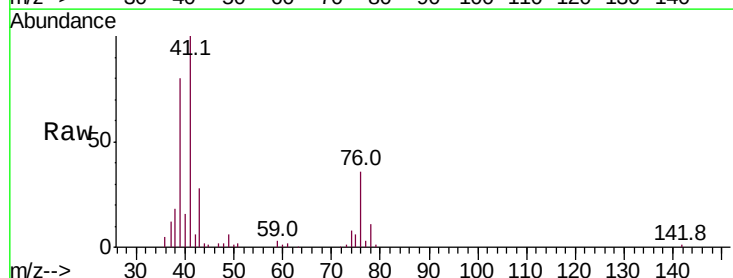
Tgt Ion: 41 Resp: 142350

Ion Ratio Lower Upper

41 100

39 79.1 60.9 91.3

76 37.3 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

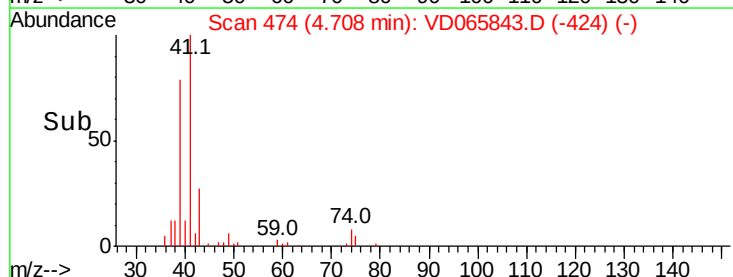
20000

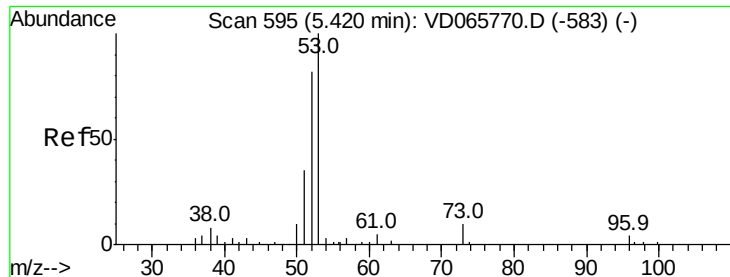
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 229.272 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

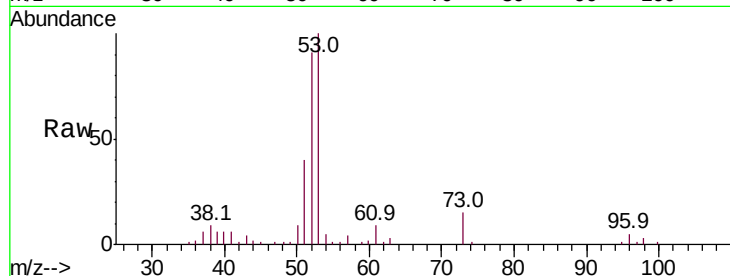
Tot Ion: 53 Resp: 96668

Ion Ratio Lower Upper

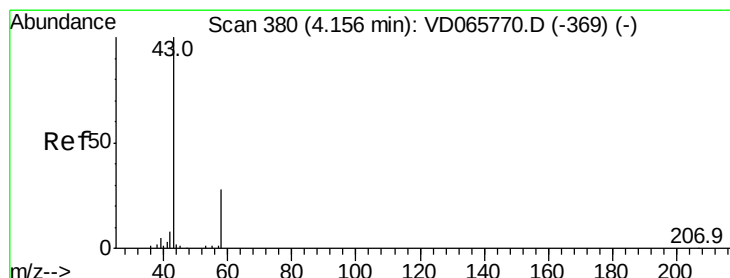
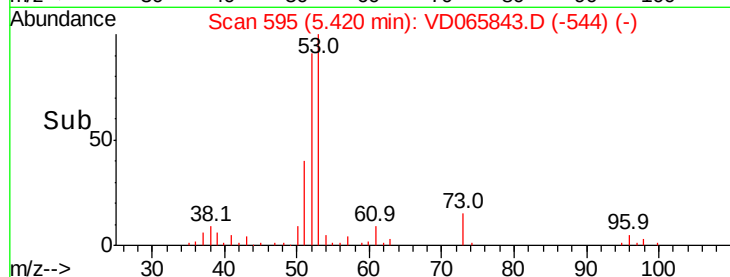
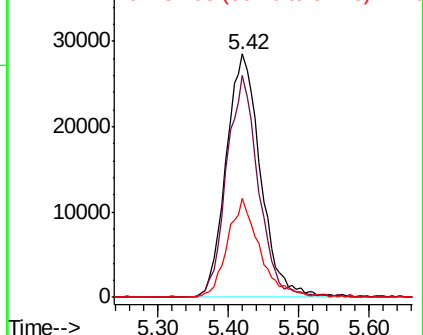
53 100

52 83.7 66.2 99.2

51 37.7 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 295.611 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065843.D

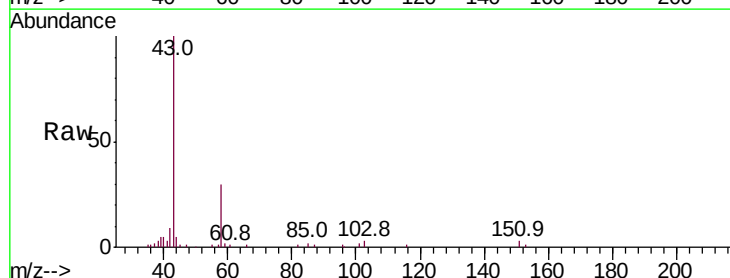
Acq: 22 Jun 2020 14:26

Tgt Ion: 43 Resp: 116390

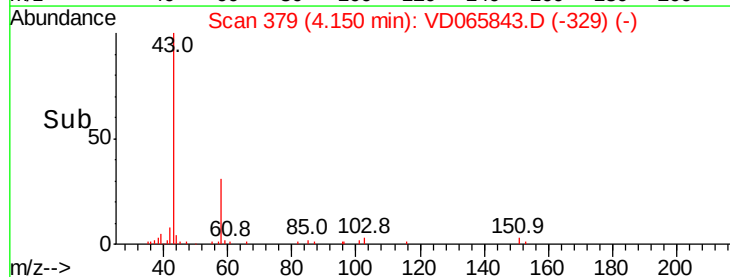
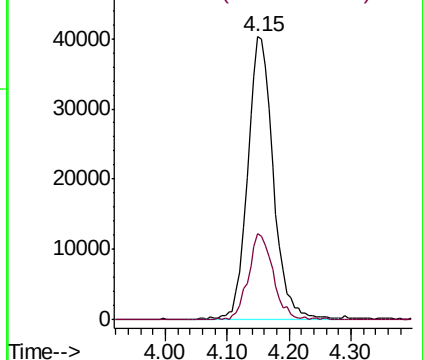
Ion Ratio Lower Upper

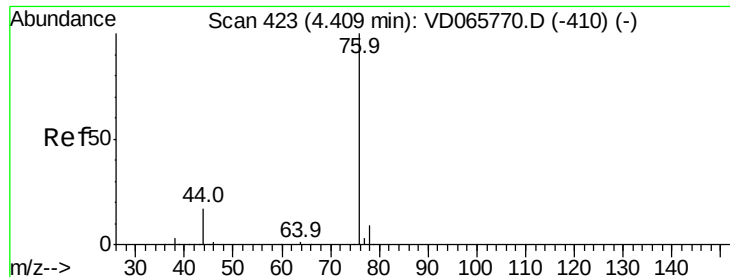
43 100

58 30.4 22.3 33.5



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





#17

Carbon Disulfide

Concen: 40.870 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

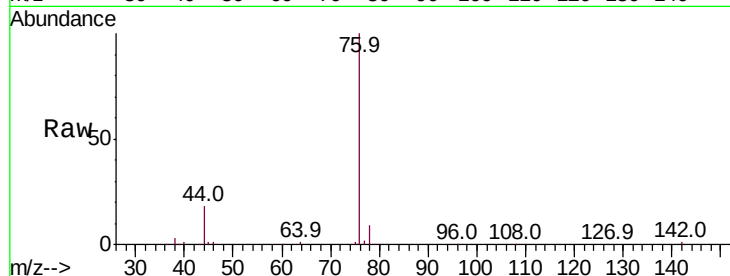
VSTDCCC050

Tot Ion: 76 Resp: 263233

Ion Ratio Lower Upper

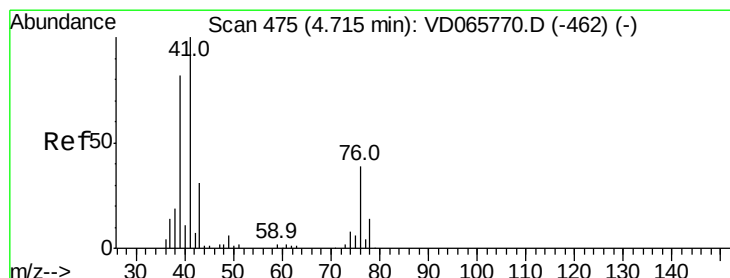
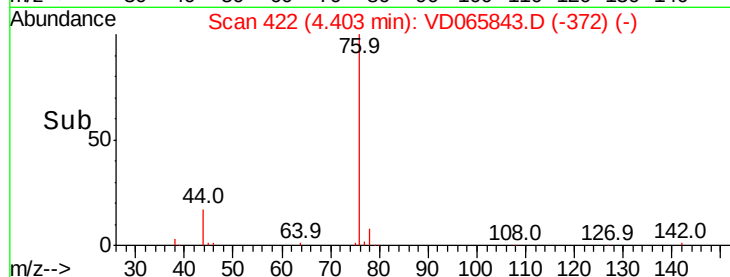
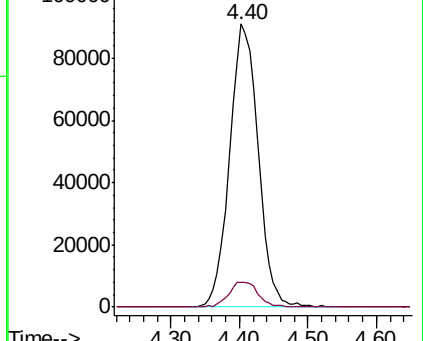
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.856 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065843.D

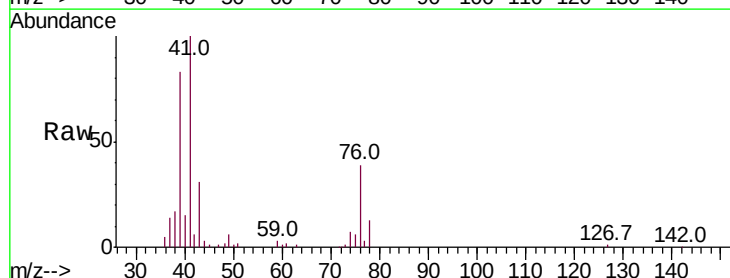
Acq: 22 Jun 2020 14:26

Tgt Ion: 43 Resp: 42638

Ion Ratio Lower Upper

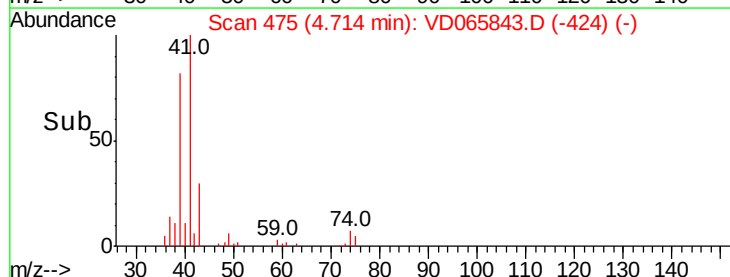
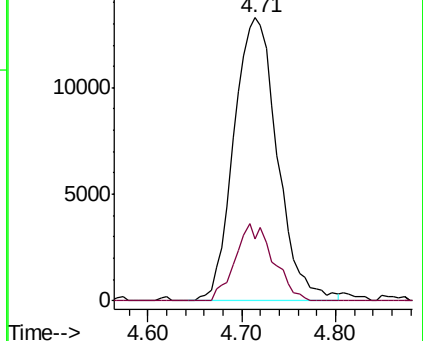
43 100

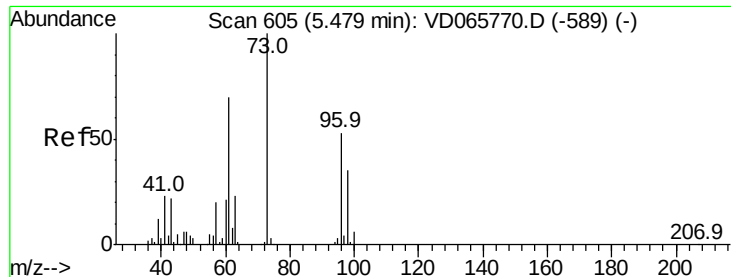
74 23.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



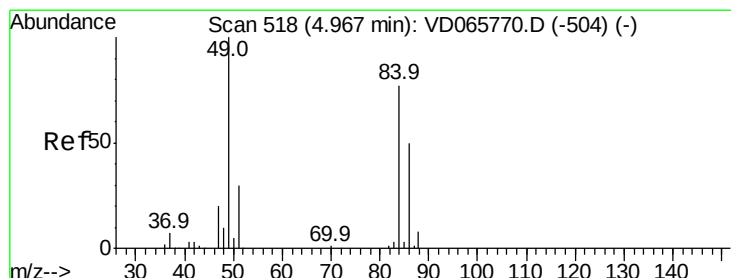
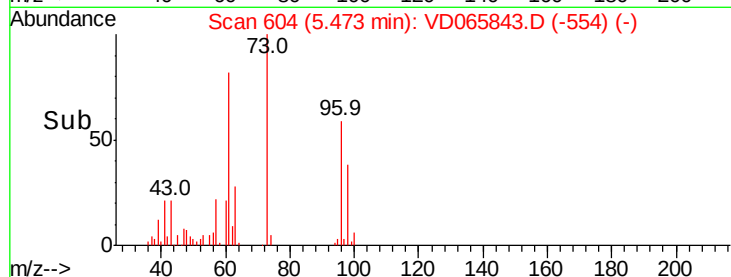
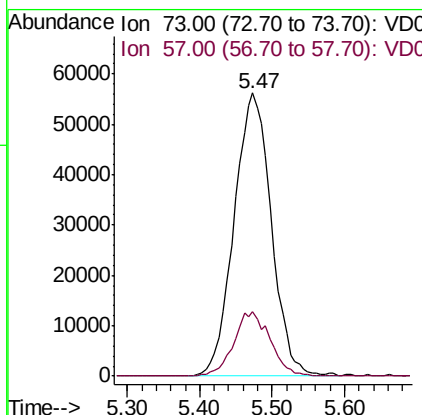
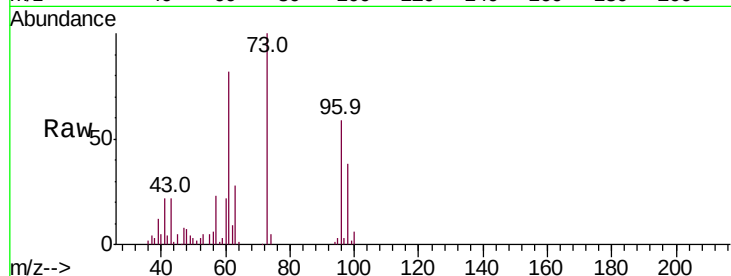


#19

Methyl tert-butyl Ether
 Concen: 46.062 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

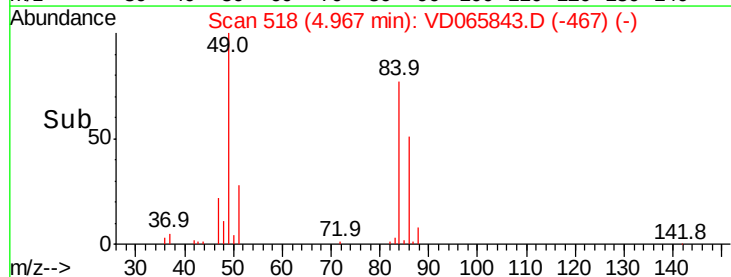
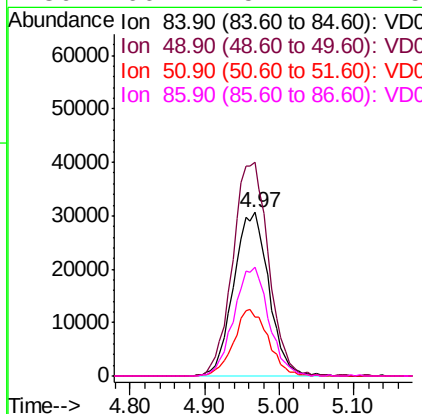
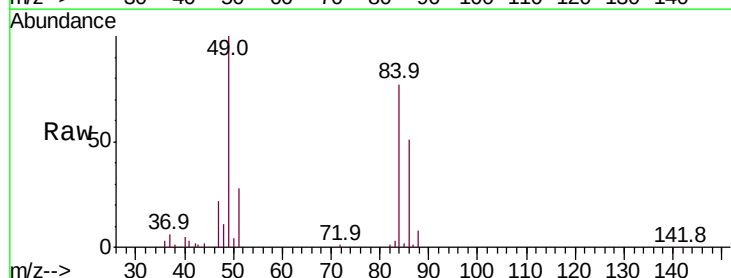
Tot Ion: 73 Resp: 200212
 Ion Ratio Lower Upper
 73 100
 57 22.9 16.2 24.2

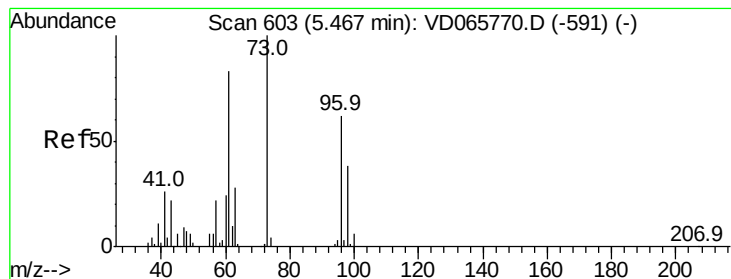


#20

Methylene Chloride
 Concen: 47.896 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 84 Resp: 100540
 Ion Ratio Lower Upper
 84 100
 49 130.4 103.4 155.0
 51 36.0 31.4 47.2
 86 66.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 44.104 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

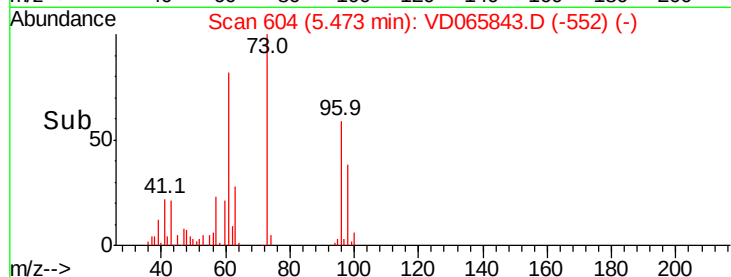
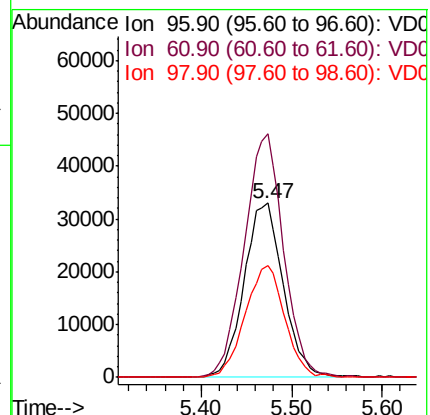
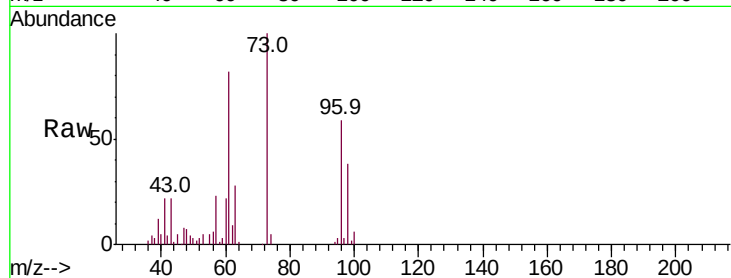
Tot Ion: 96 Resp: 99115

Ion Ratio Lower Upper

96 100

61 139.8 107.7 161.5

98 64.0 49.3 73.9



#22

Diisopropyl ether

Concen: 47.116 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tgt Ion: 45 Resp: 301938

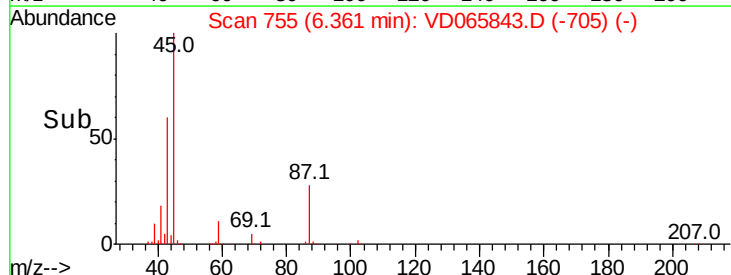
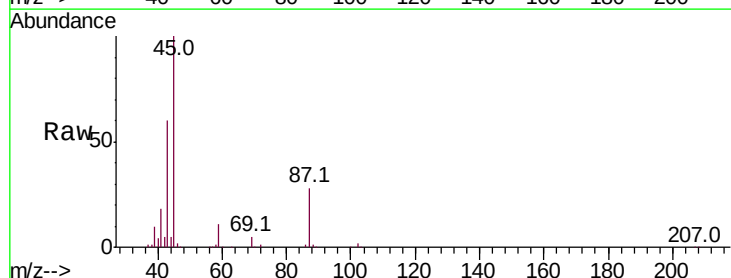
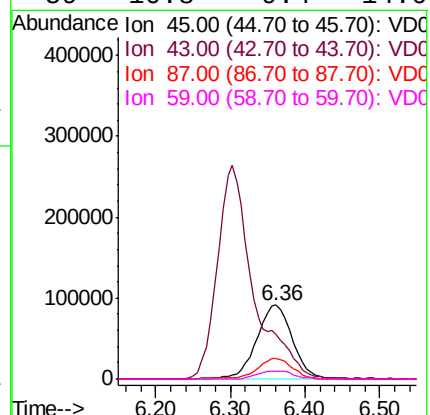
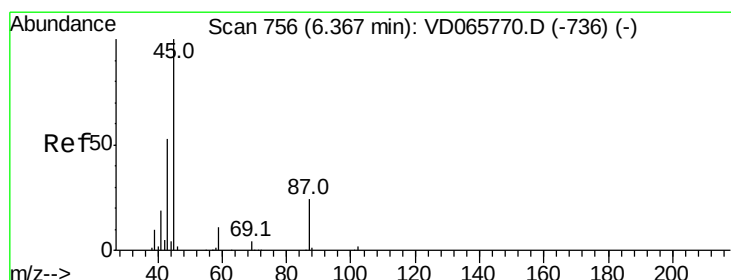
Ion Ratio Lower Upper

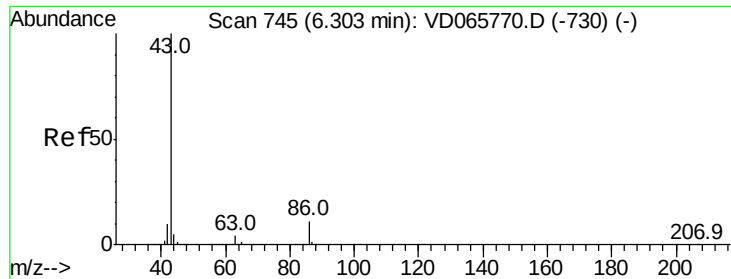
45 100

43 58.9 43.4 65.0

87 27.6 20.2 30.4

59 10.8 9.4 14.0





#23

Vinyl Acetate

Concen: 245.588 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

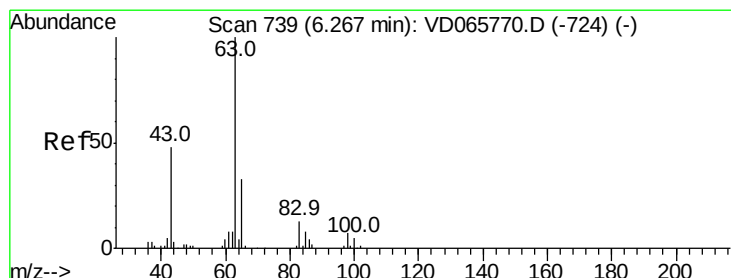
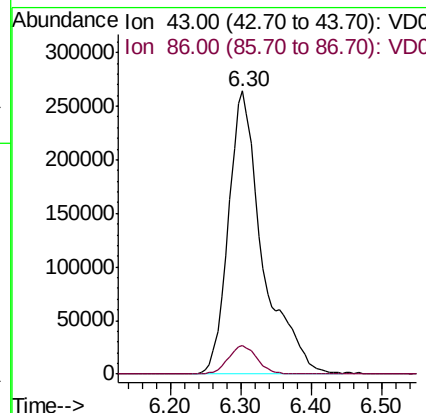
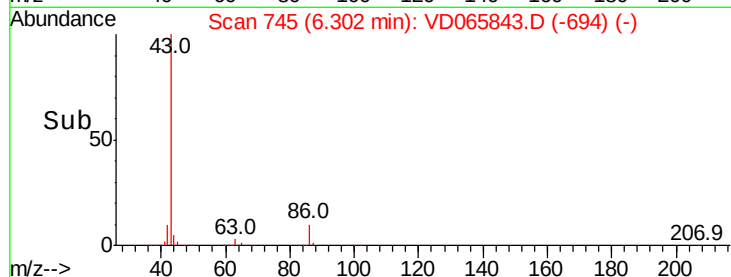
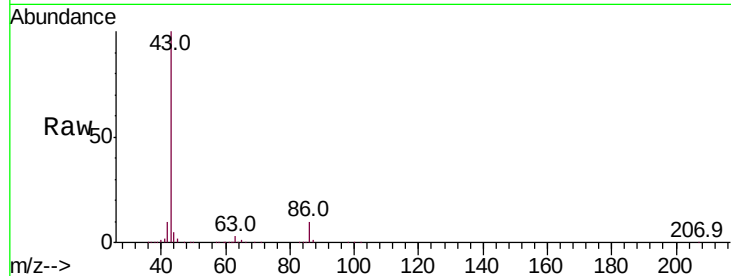
VSTDCCC050

Tot Ion: 43 Resp: 888719

Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7



#24

1,1-Dichloroethane

Concen: 44.895 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

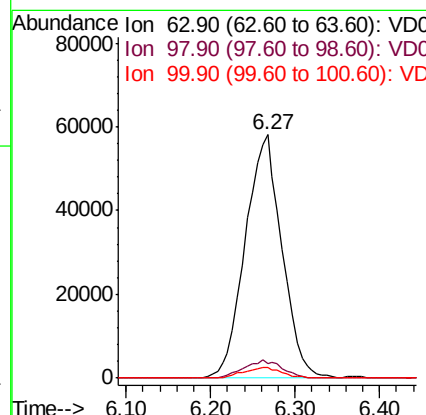
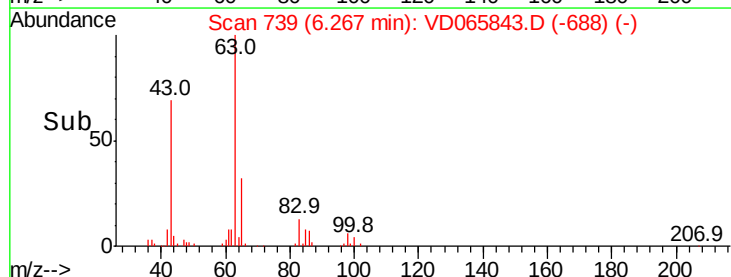
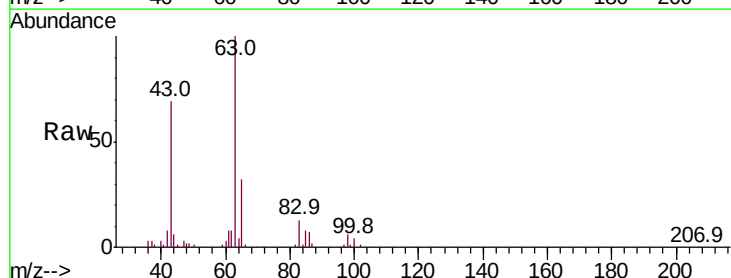
Tgt Ion: 63 Resp: 175299

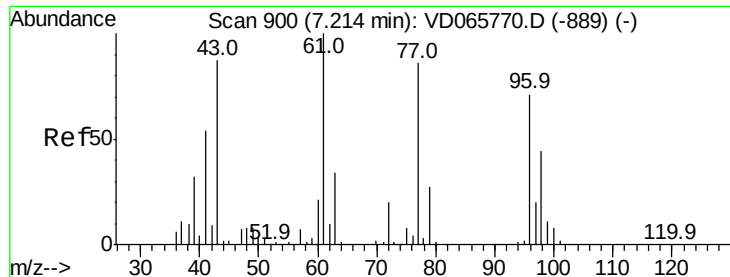
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.1 2.3 6.9

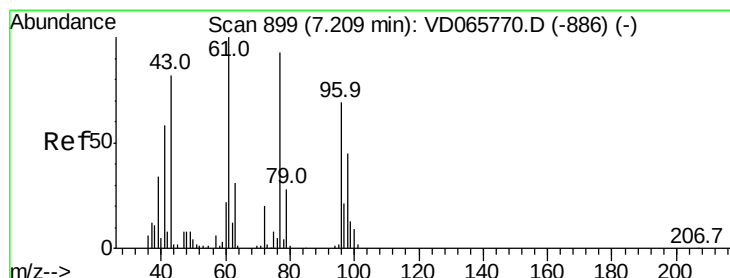
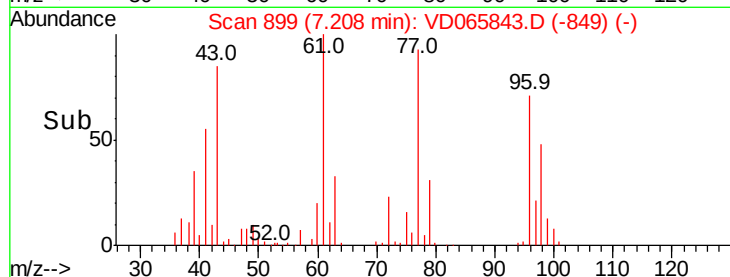
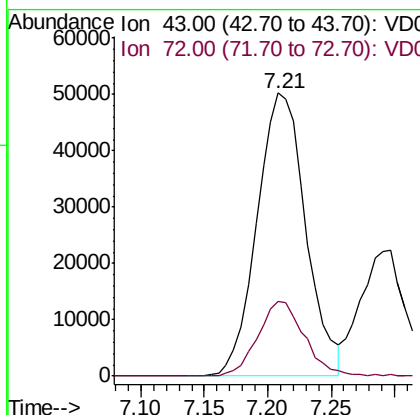
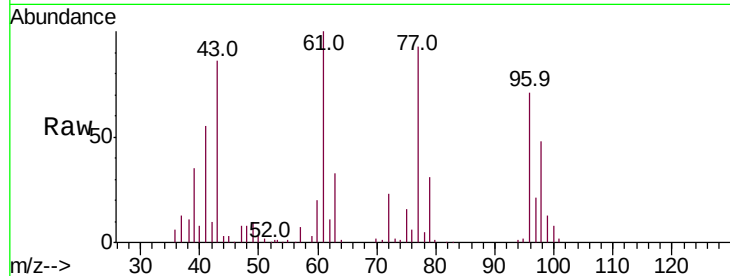




#25
2-Butanone
Concen: 247.341 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

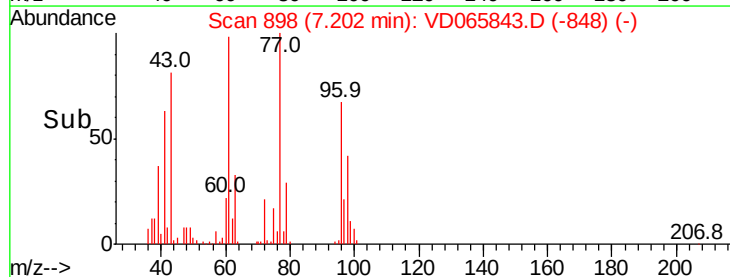
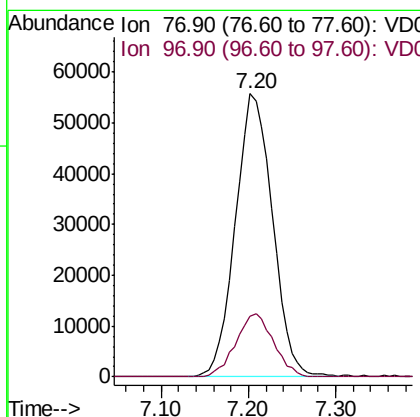
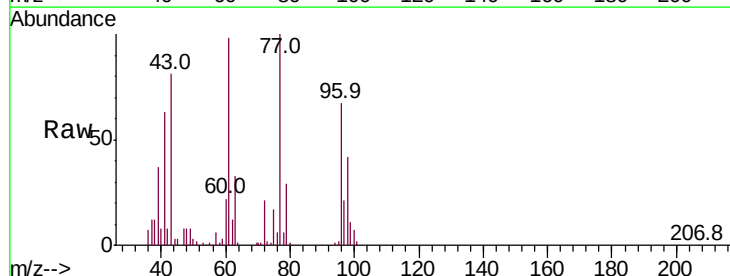
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

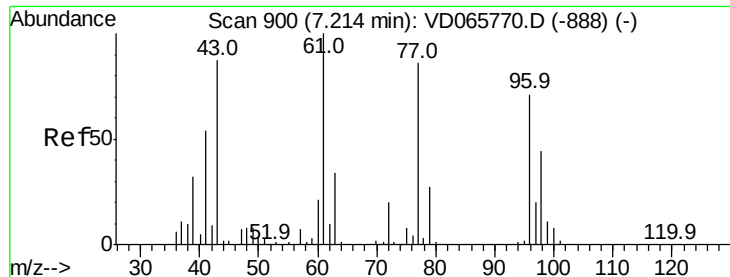
Tot Ion: 43 Resp: 134494
Ion Ratio Lower Upper
43 100
72 26.6 18.5 27.7



#26
2,2-Dichloropropane
Concen: 46.409 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 77 Resp: 160675
Ion Ratio Lower Upper
77 100
97 22.7 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 46.274 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

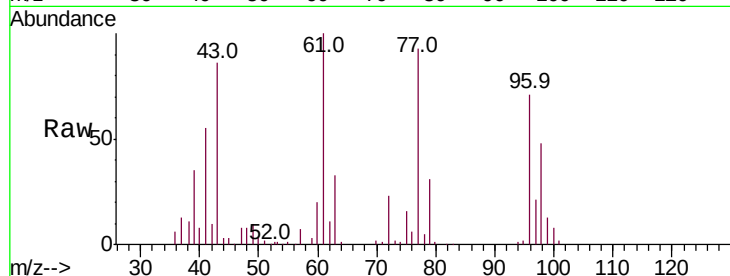
Tot Ion: 96 Resp: 111864

Ion Ratio Lower Upper

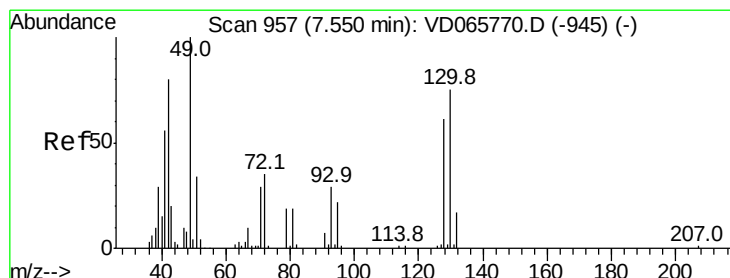
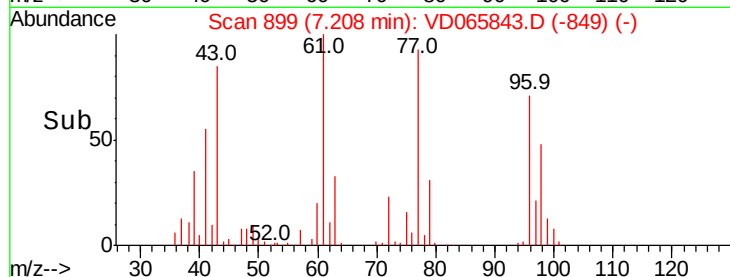
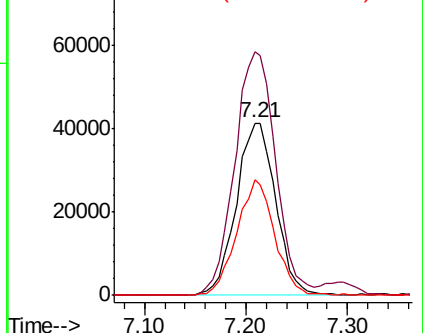
96 100

61 146.5 0.0 291.2

98 64.5 0.0 128.8



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



#28

Bromochloromethane

Concen: 49.959 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

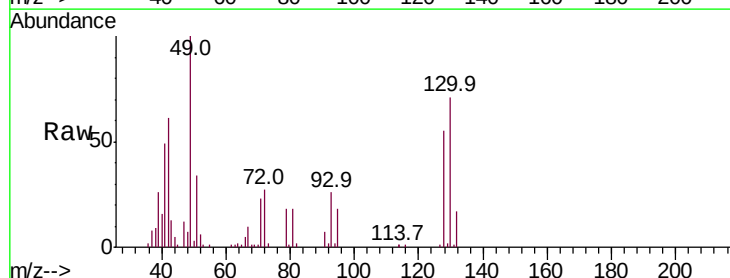
Tgt Ion: 49 Resp: 75342

Ion Ratio Lower Upper

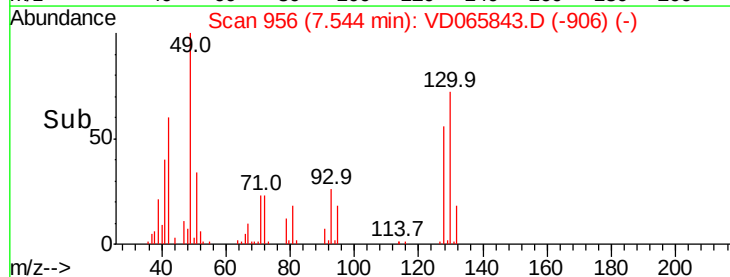
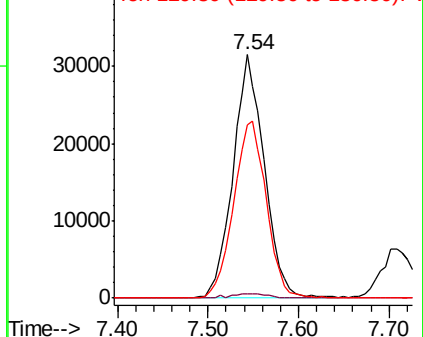
49 100

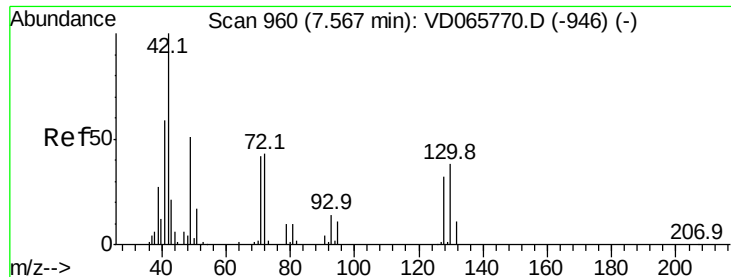
129 2.2 0.0 4.6

130 75.9 59.5 89.3



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

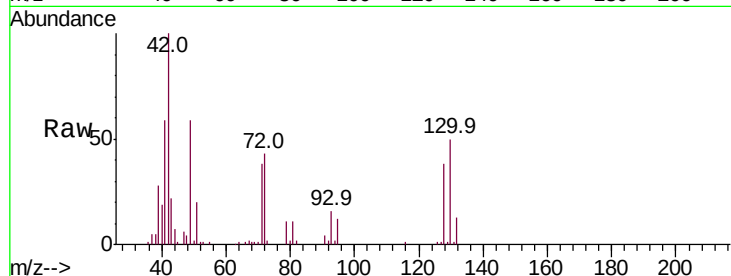




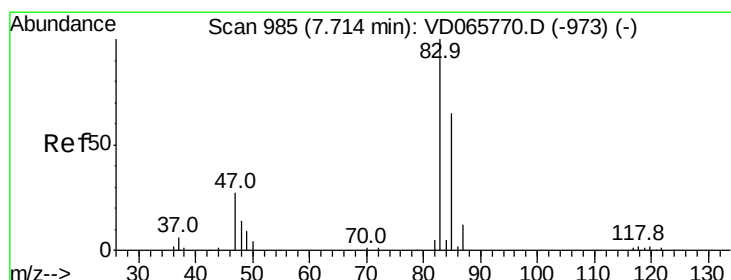
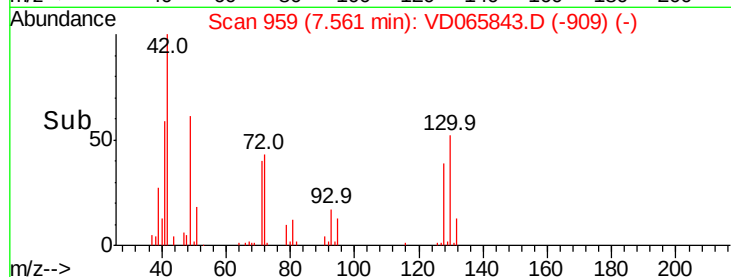
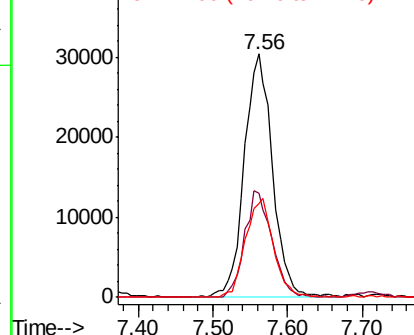
#29
Tetrahydrofuran
Concen: 233.226 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 80152
Ion Ratio Lower Upper
42 100
72 41.9 34.9 52.3
71 40.1 31.2 46.8

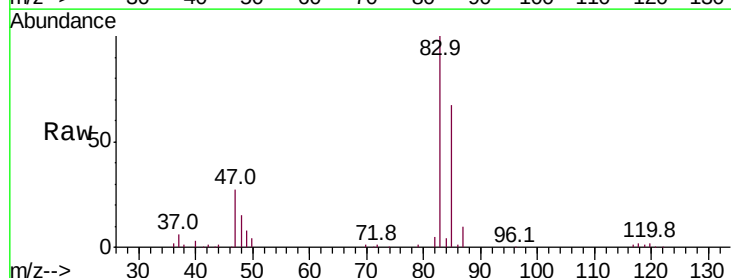


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

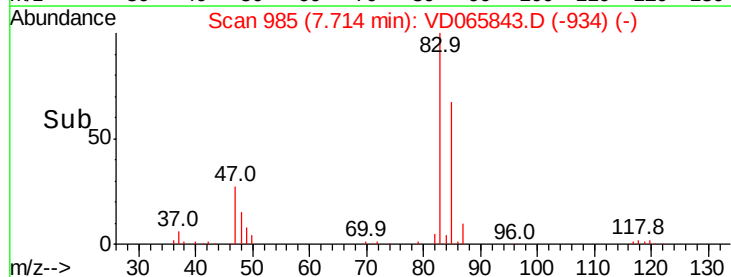
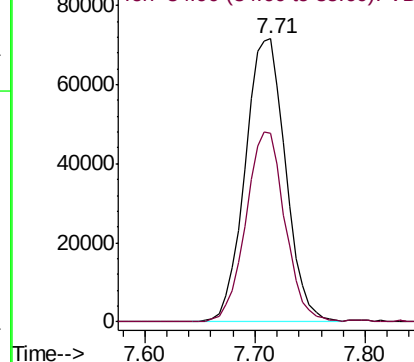


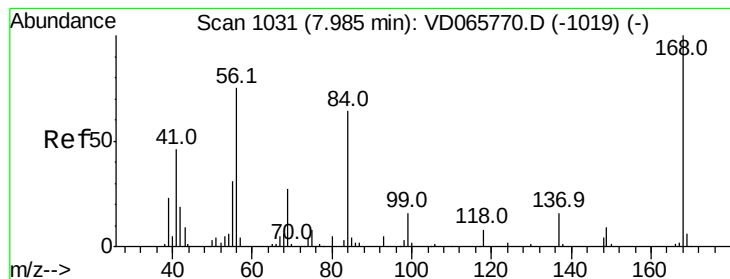
#30
Chloroform
Concen: 45.527 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 83 Resp: 184258
Ion Ratio Lower Upper
83 100
85 66.9 51.9 77.9



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





#31

Cyclohexane

Concen: 42.758 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

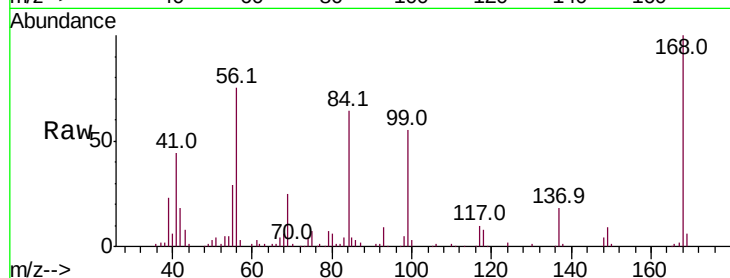
Tot Ion: 56 Resp: 160052

Ion Ratio Lower Upper

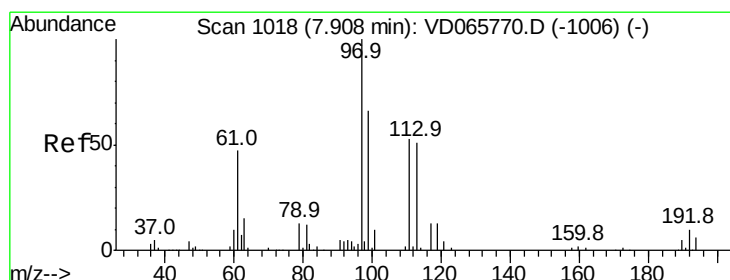
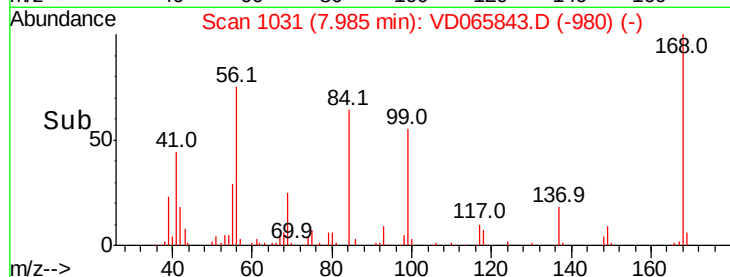
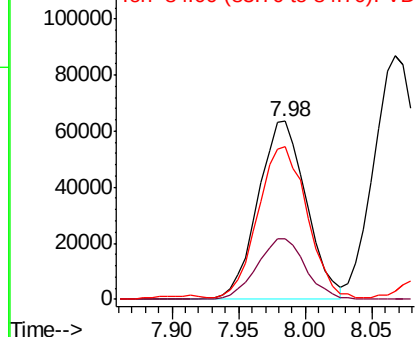
56 100

69 33.8 28.5 42.7

84 83.3 68.4 102.6



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



#32

1,1,1-Trichloroethane

Concen: 45.277 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

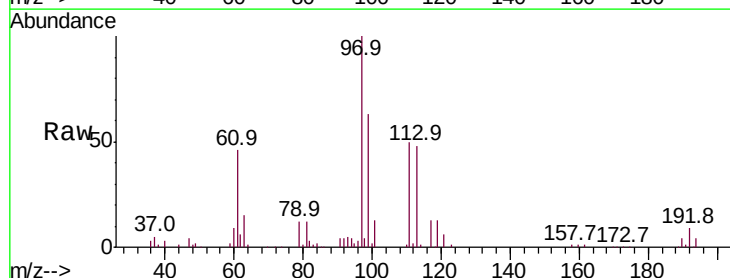
Tgt Ion: 97 Resp: 168497

Ion Ratio Lower Upper

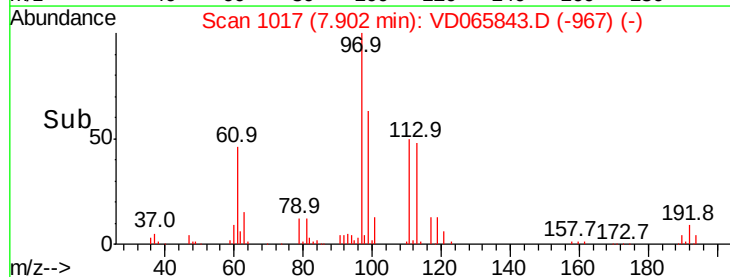
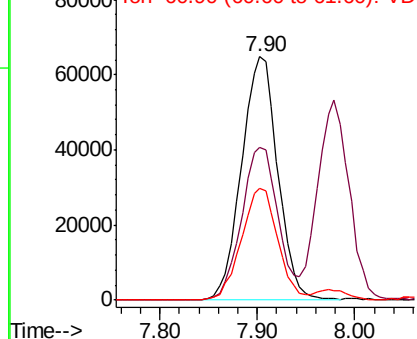
97 100

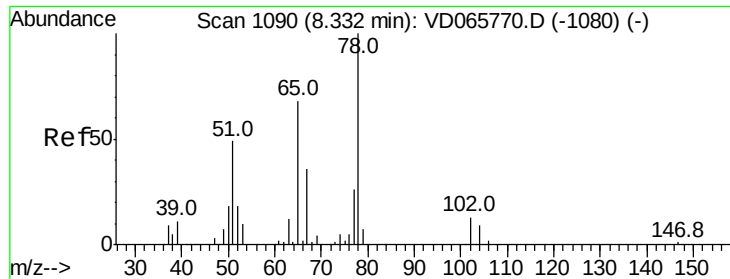
99 63.8 49.2 73.8

61 46.3 36.0 54.0



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

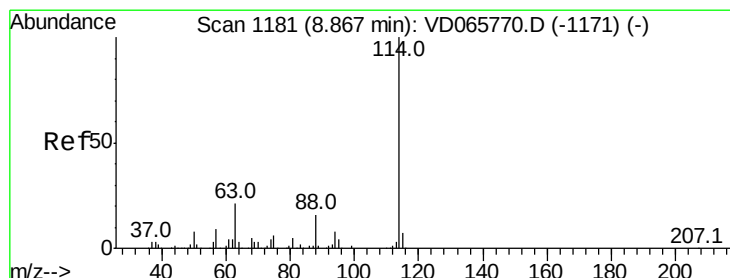
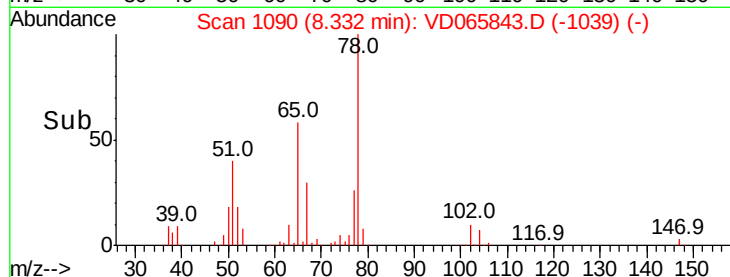
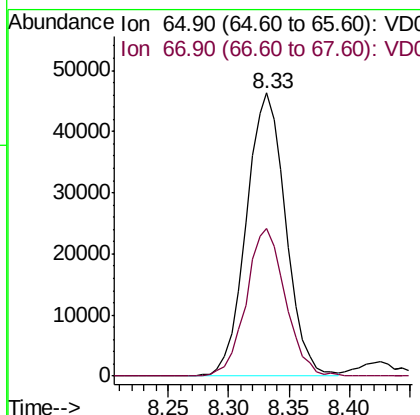
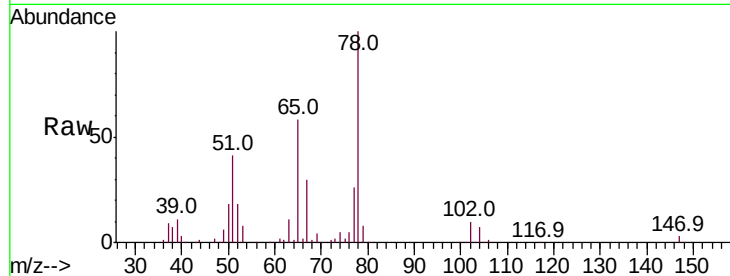




#33
 1,2-Dichloroethane-d4
 Concen: 50.172 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

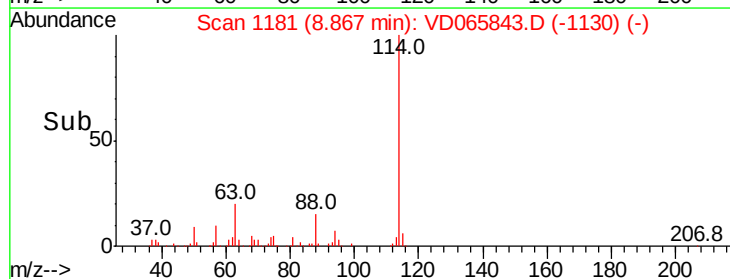
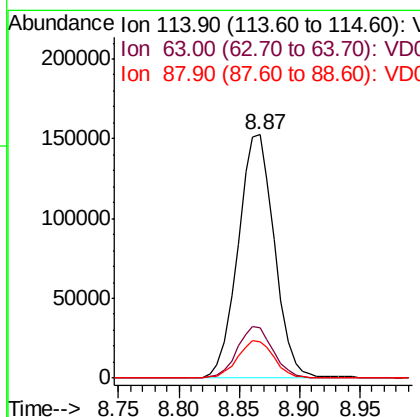
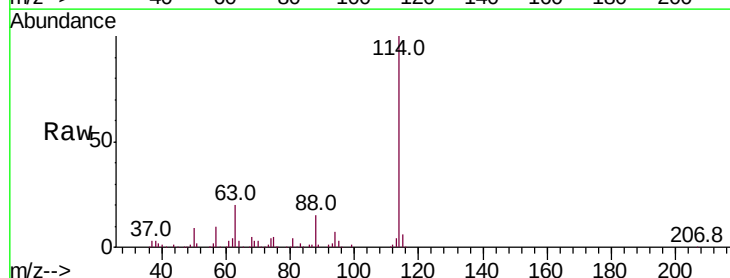
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

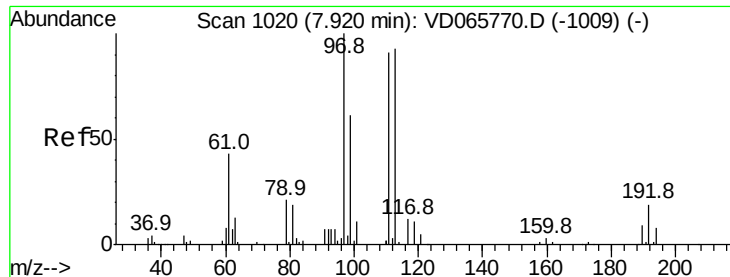
Tot Ion: 65 Resp: 104722
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 114 Resp: 319979
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.0 0.0 32.0

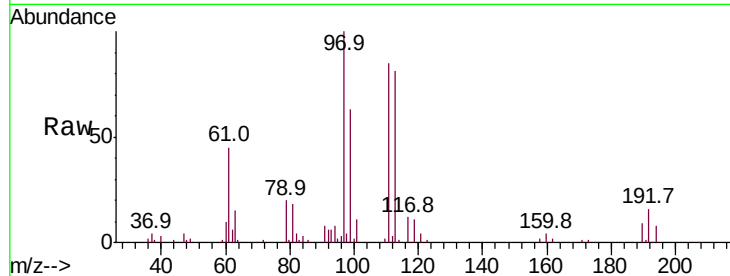




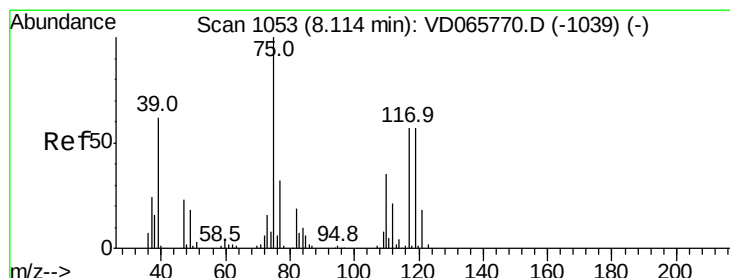
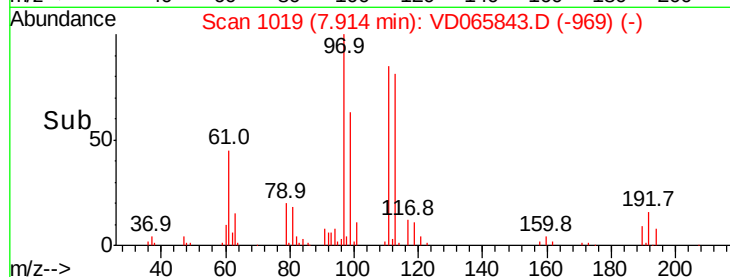
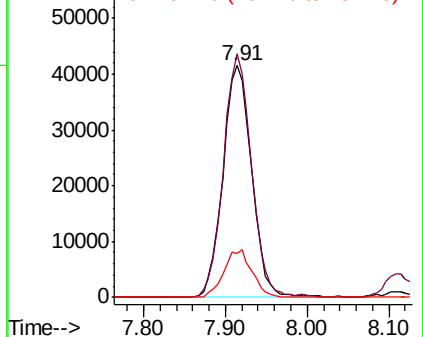
#35
 Dibromofluoromethane
 Concen: 50.263 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	20.0	15.7	23.5

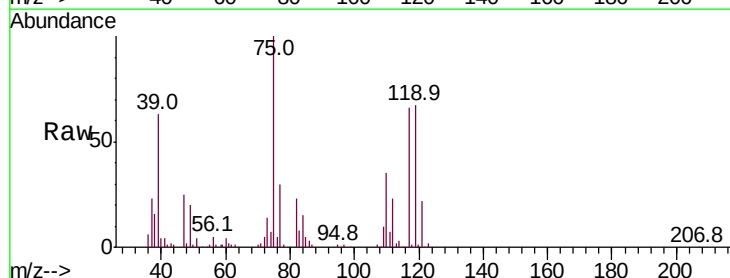


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

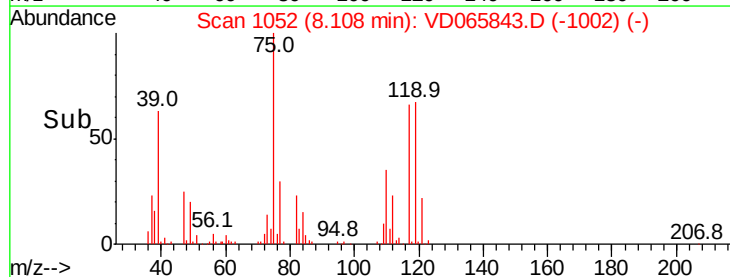
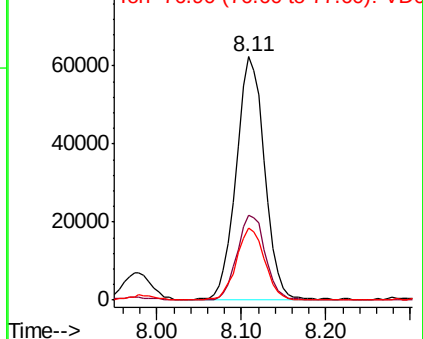


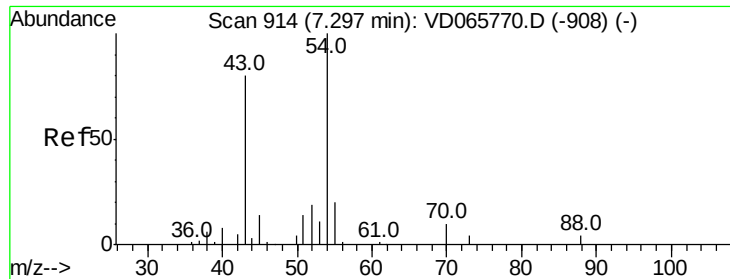
#36
 1,1-Dichloropropene
 Concen: 47.351 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.6	52.8
77	29.6	25.1	37.7



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

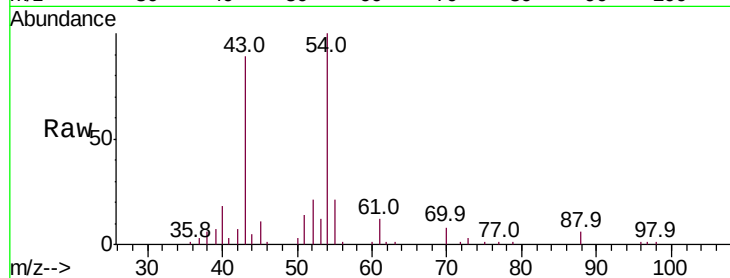




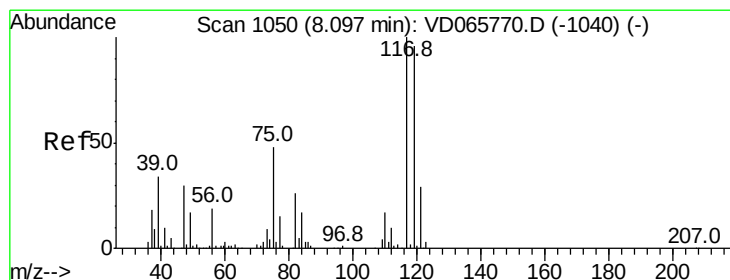
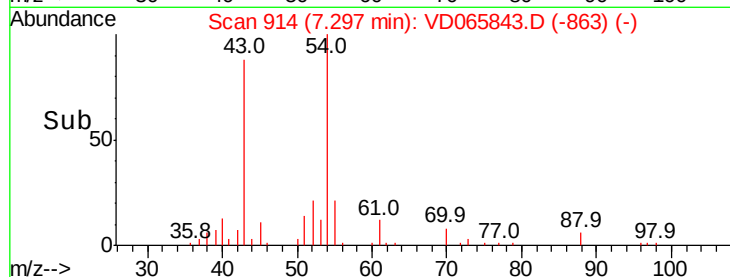
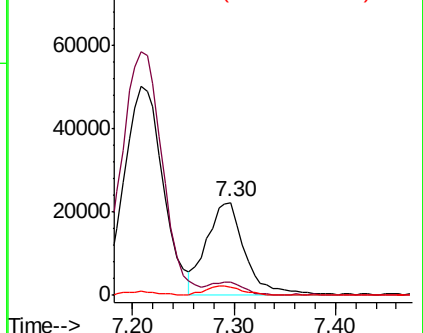
#37
Ethyl Acetate
Concen: 47.622 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 57496
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 9.8 7.5 11.3

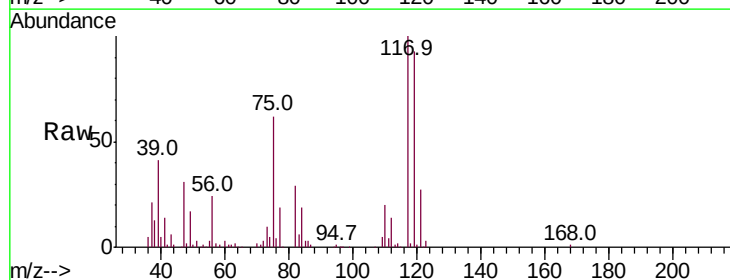


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

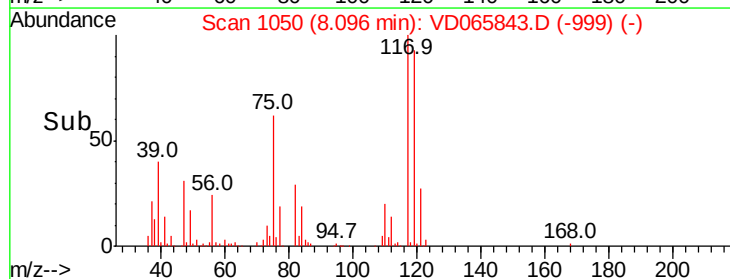
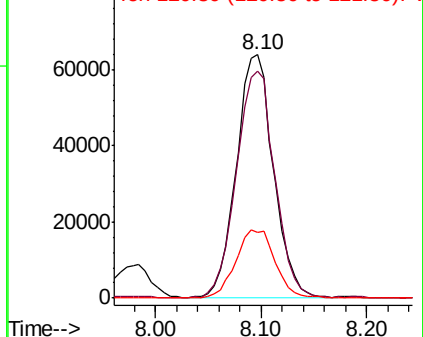


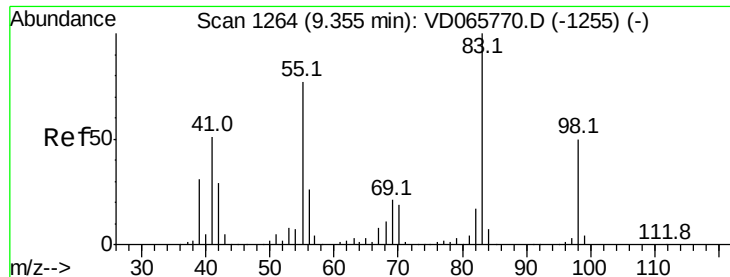
#38
Carbon Tetrachloride
Concen: 48.508 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 117 Resp: 156477
Ion Ratio Lower Upper
117 100
119 93.4 76.8 115.2
121 27.2 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

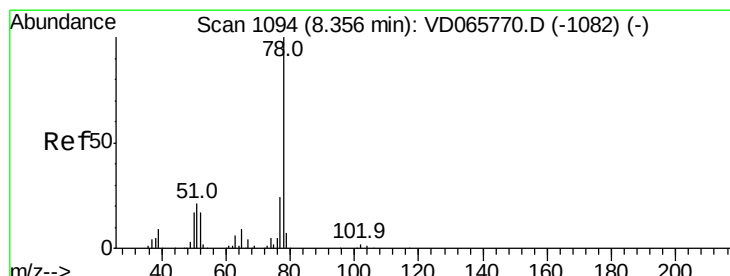
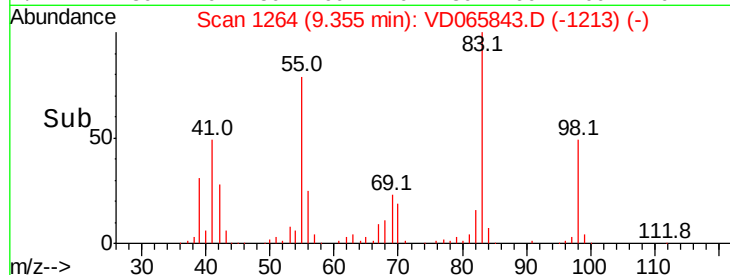
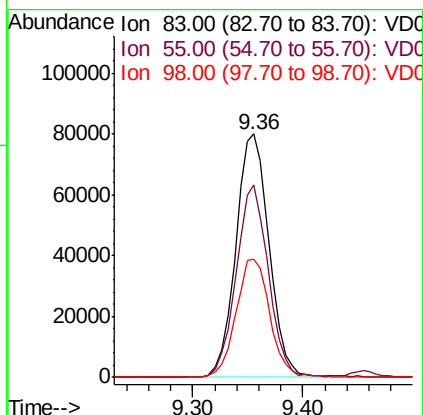
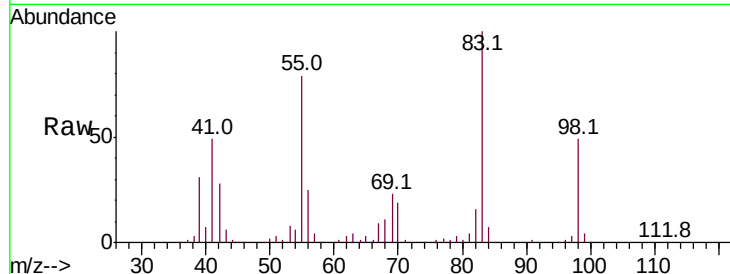




#39
Methylvlcyclohexane
Concen: 46.528 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

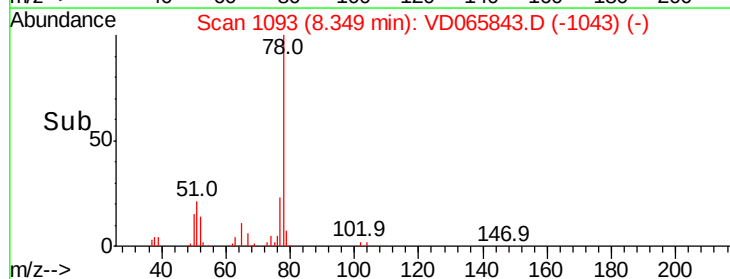
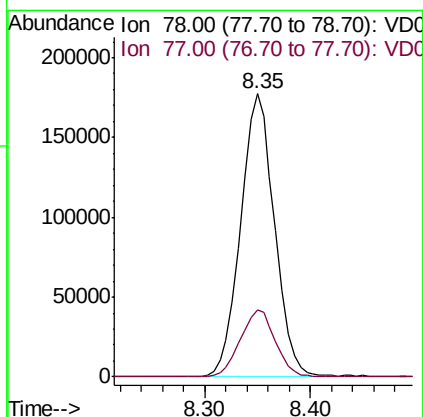
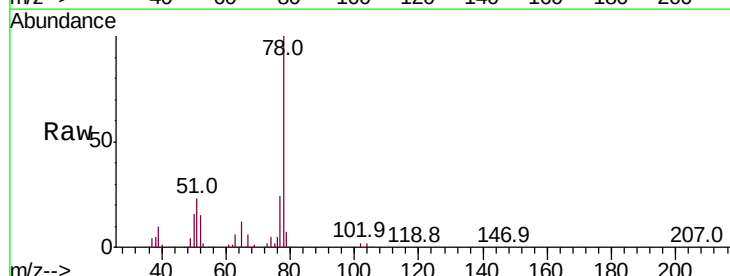
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

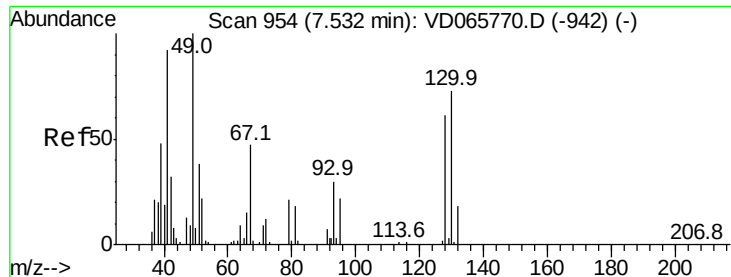
Tot Ion: 83 Resp: 168852
Ion Ratio Lower Upper
83 100
55 79.0 61.6 92.4
98 48.7 40.2 60.2



#40
Benzene
Concen: 47.071 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 78 Resp: 394437
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

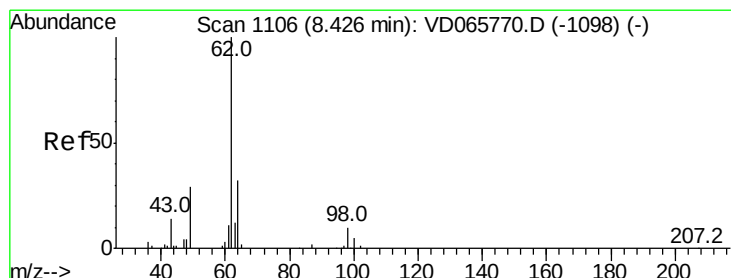
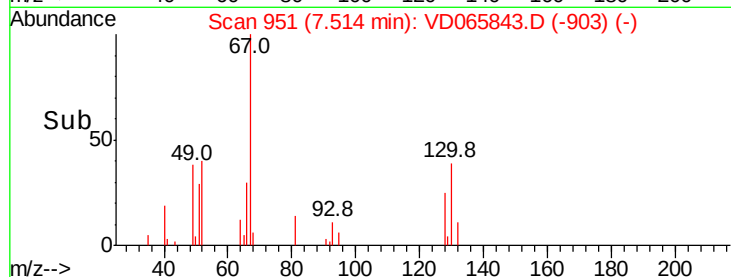
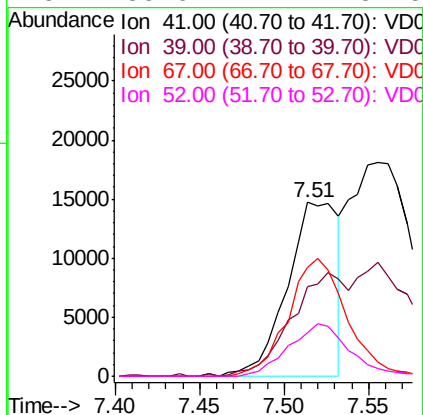
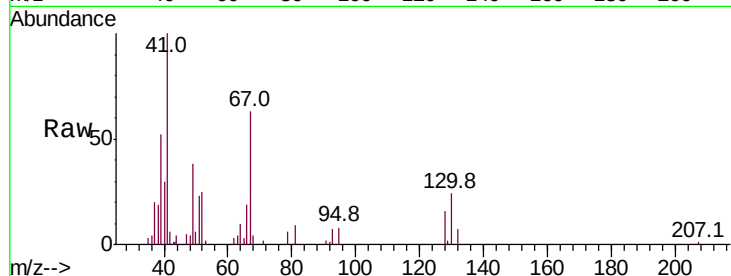




#41
Methacrylonitrile
Concen: 43.120 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

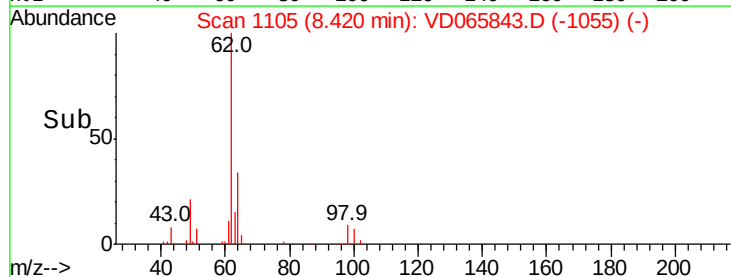
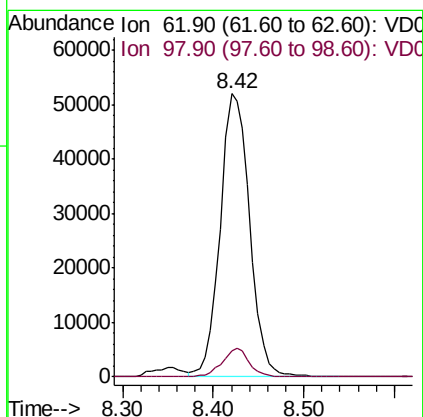
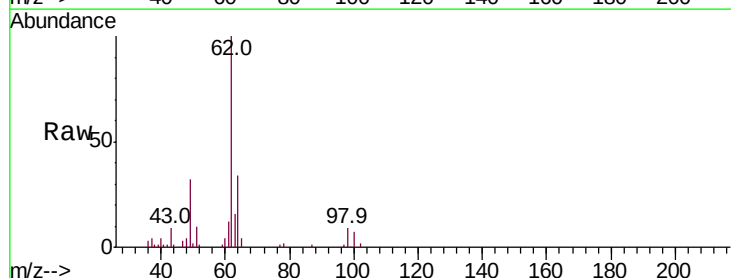
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

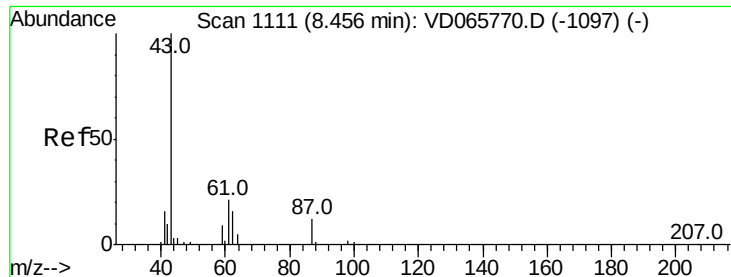
Tot Ion: 41 Resp: 30999
Ion Ratio Lower Upper
41 100
39 64.8 38.3 57.5#
67 77.2 49.8 74.6#
52 35.6 21.7 32.5#



#42
1,2-Dichloroethane
Concen: 46.540 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 62 Resp: 117670
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 48.522 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

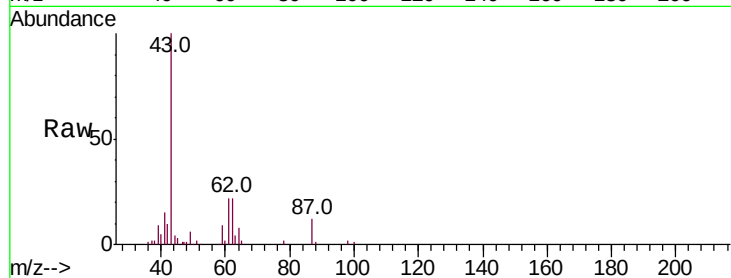
Tot Ion: 43 Resp: 116493

Ion Ratio Lower Upper

43 100

61 28.5 24.2 36.4

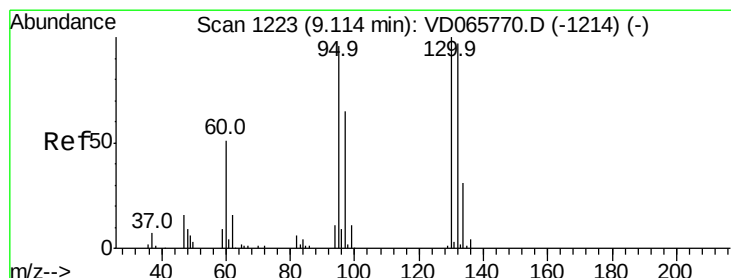
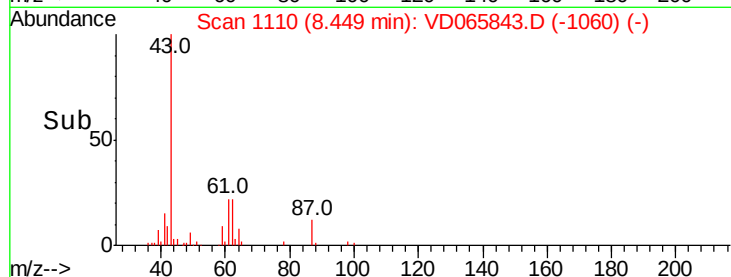
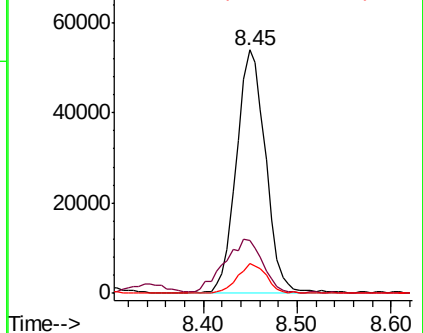
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.518 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065843.D

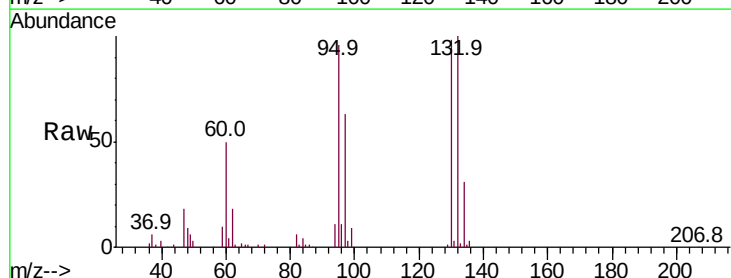
Acq: 22 Jun 2020 14:26

Tgt Ion:130 Resp: 108478

Ion Ratio Lower Upper

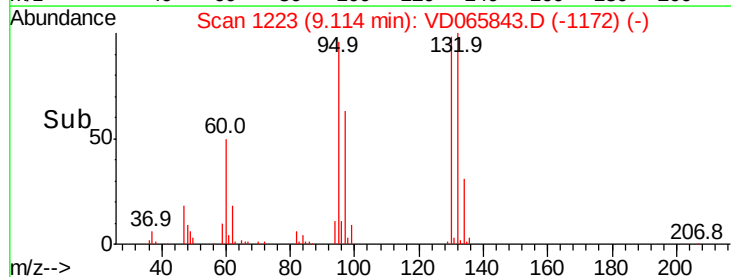
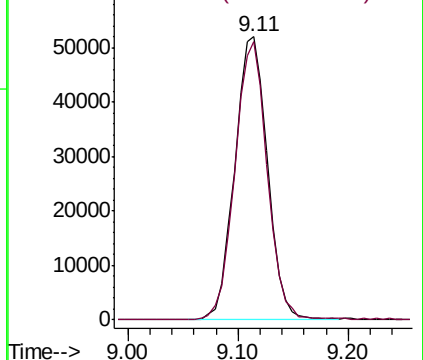
130 100

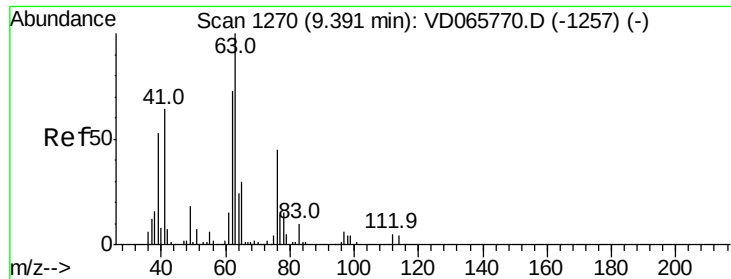
95 98.2 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

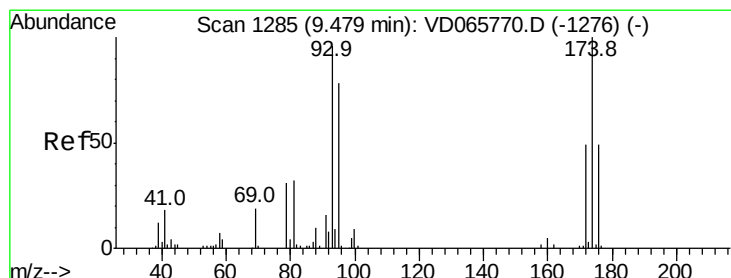
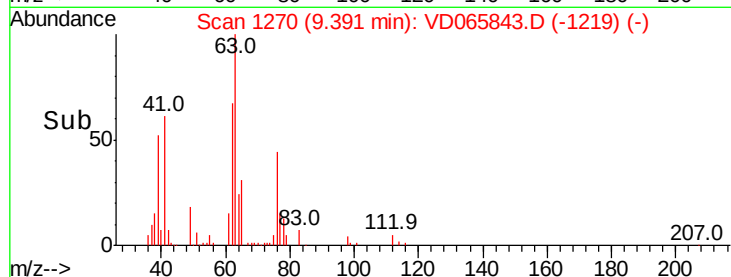
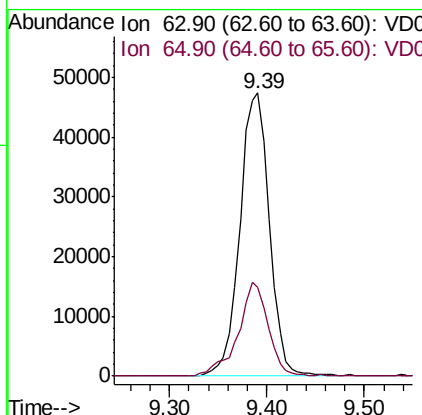
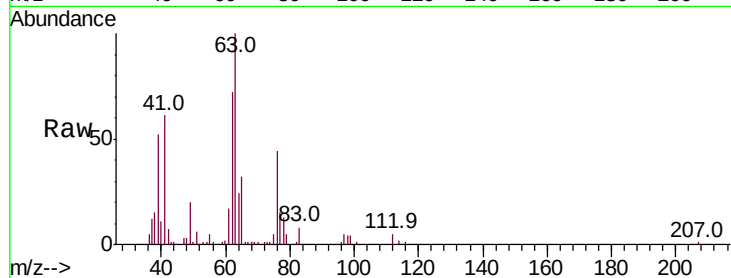




#45
 1,2-Dichloropropane
 Concen: 47.521 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

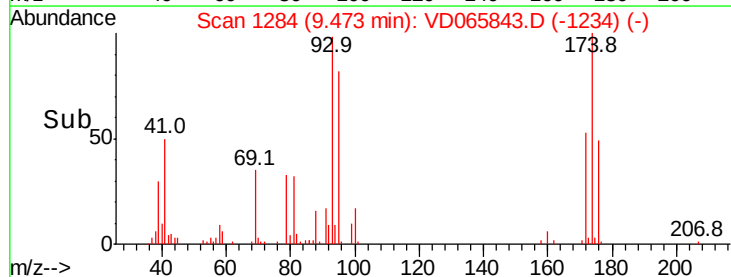
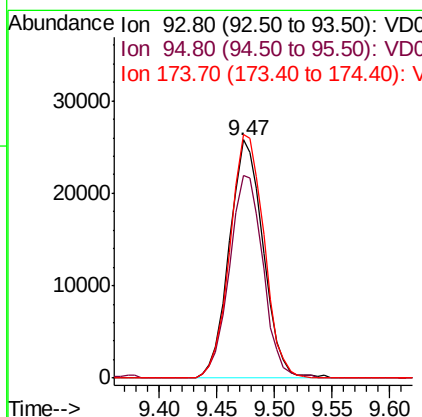
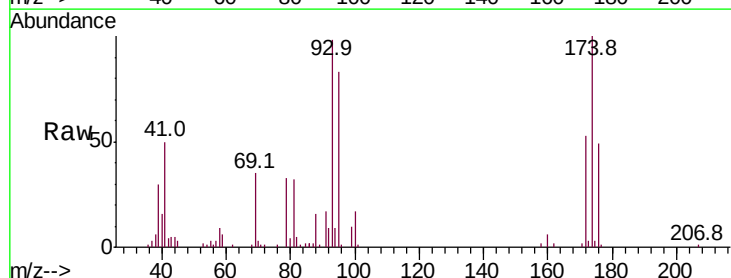
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

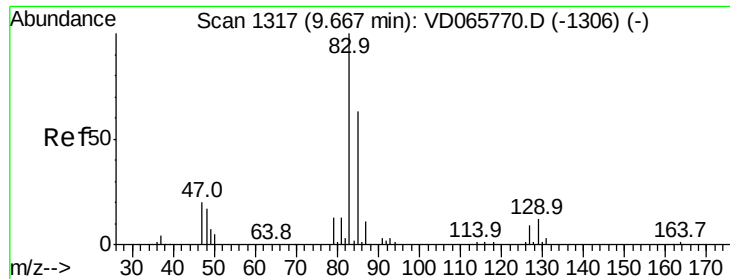
Tot Ion: 63 Resp: 100057
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.2



#46
 Dibromomethane
 Concen: 45.813 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 93 Resp: 52315
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.8 98.6
 174 102.7 80.9 121.3





#47

Bromodichloromethane

Concen: 46.827 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

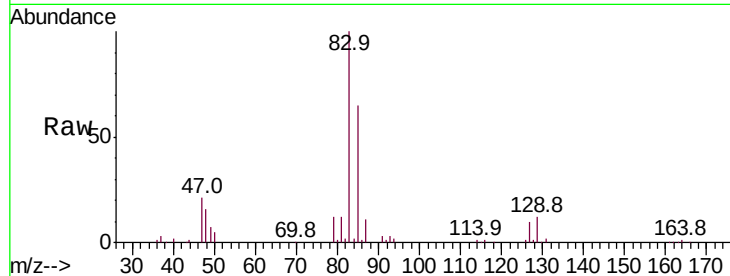
Tot Ion: 83 Resp: 143291

Ion Ratio Lower Upper

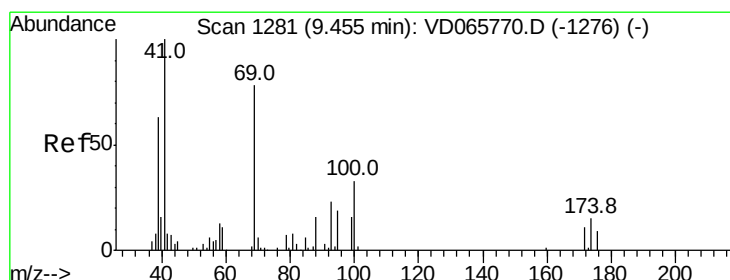
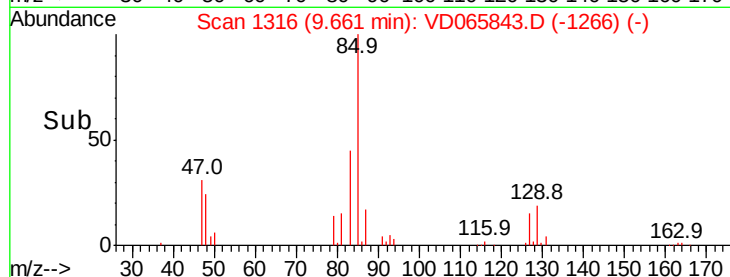
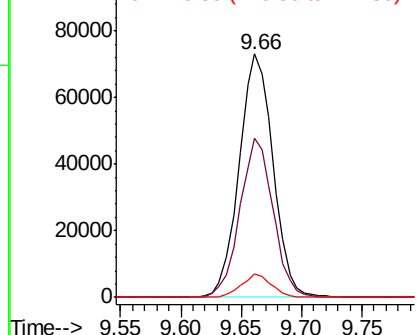
83 100

85 65.3 50.7 76.1

127 9.6 7.1 10.7



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



#48

Methyl methacrylate

Concen: 50.651 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

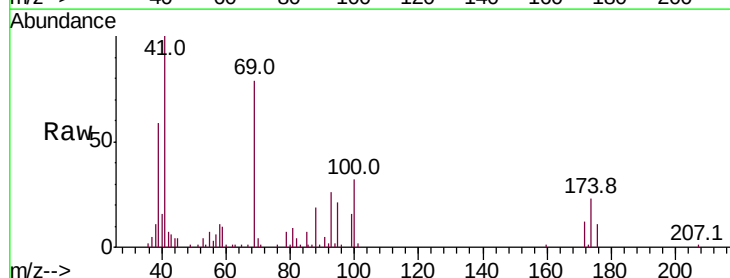
Tgt Ion: 41 Resp: 58861

Ion Ratio Lower Upper

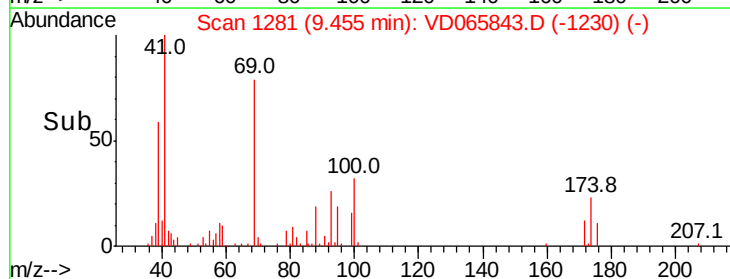
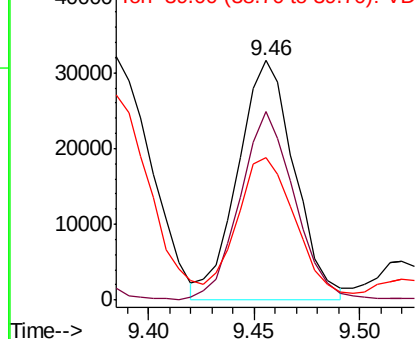
41 100

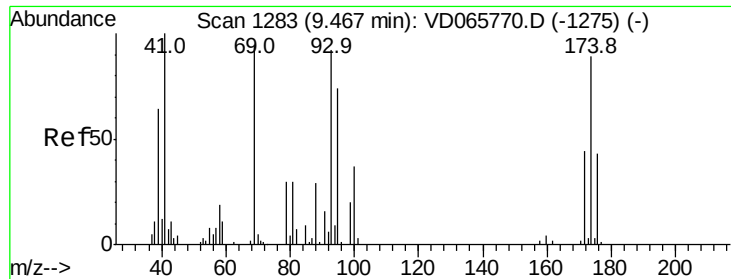
69 76.3 60.9 91.3

39 55.3 48.1 72.1



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

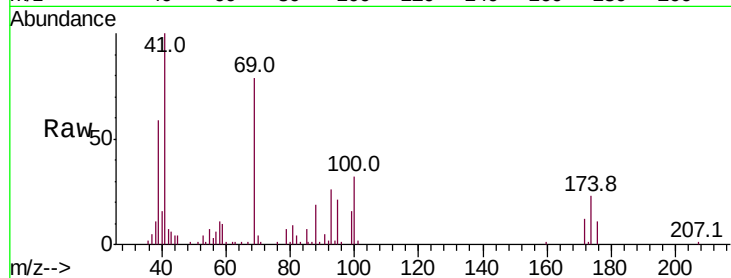




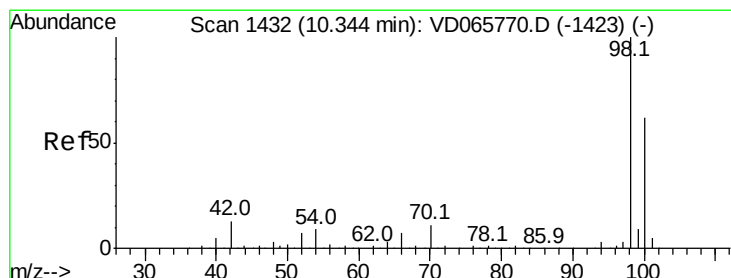
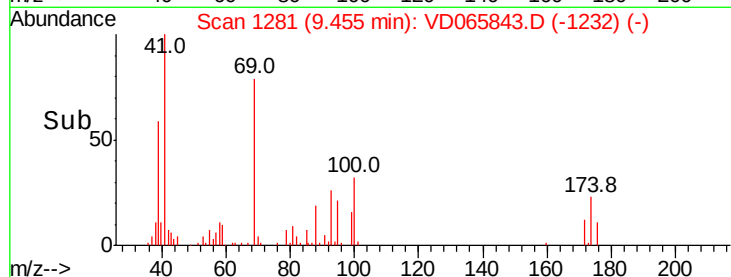
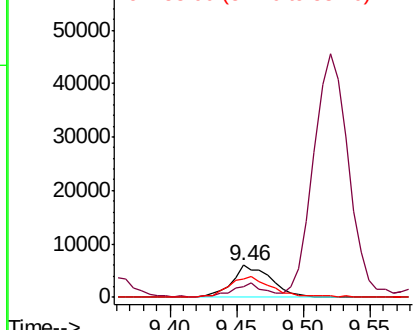
#49
1,4-Dioxane
Concen: 992.480 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 12063
Ion Ratio Lower Upper
88 100
43 38.3 32.2 48.4
58 70.4 54.9 82.3

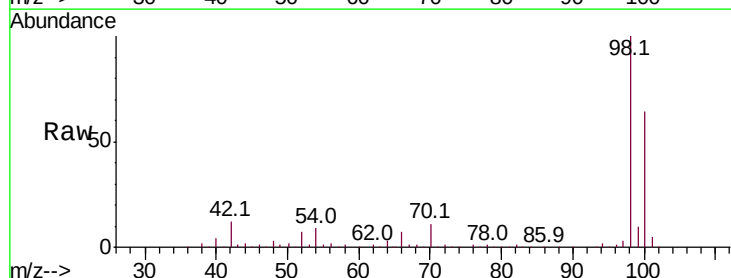


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

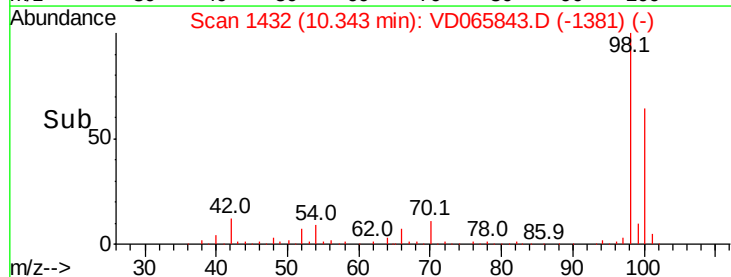
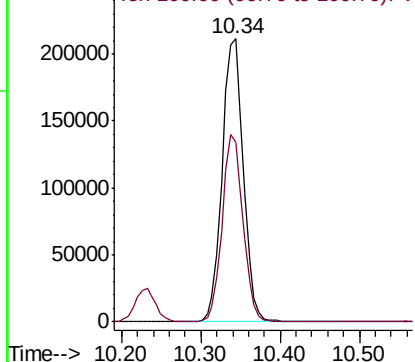


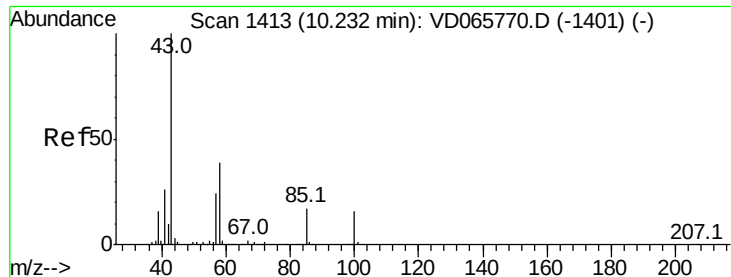
#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 98 Resp: 391018
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



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: 245.938 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

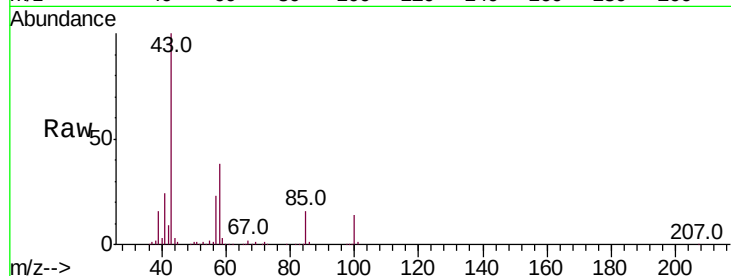
VSTDCCC050

Tot Ion: 43 Resp: 289326

Ion Ratio Lower Upper

43 100

58 37.5 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

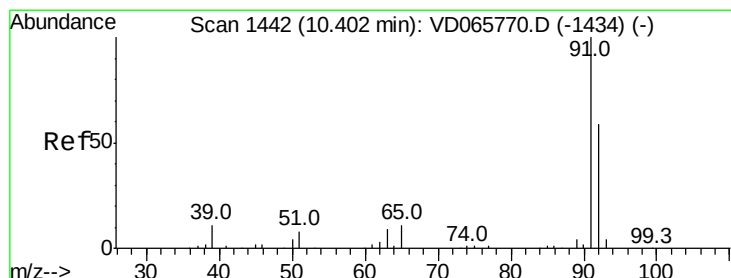
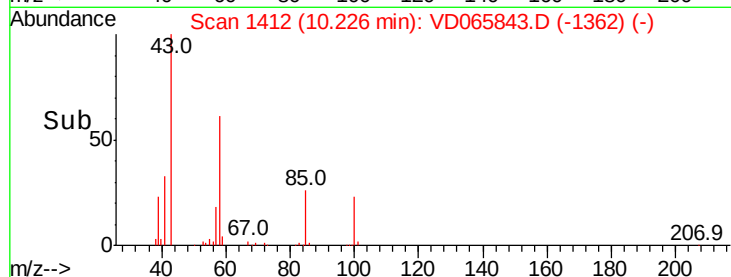
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 48.277 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065843.D

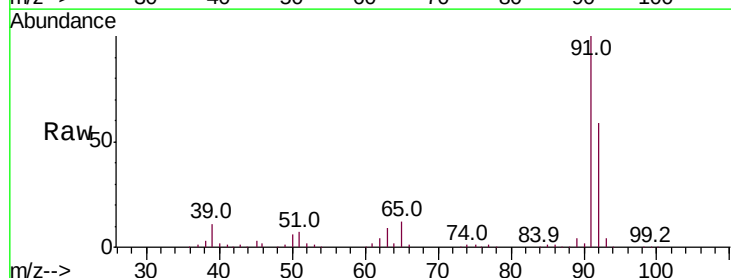
Acq: 22 Jun 2020 14:26

Tgt Ion: 92 Resp: 262855

Ion Ratio Lower Upper

92 100

91 170.2 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

250000

200000

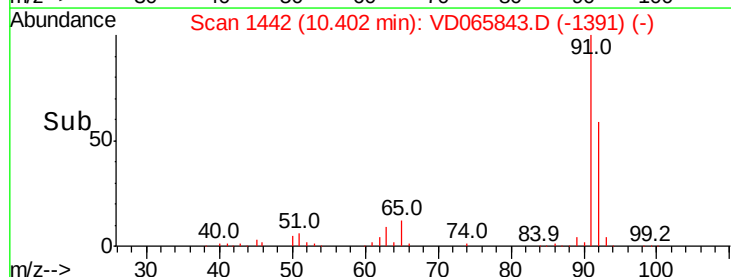
150000

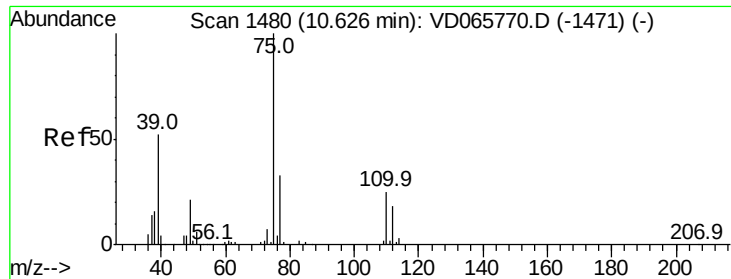
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 49.332 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

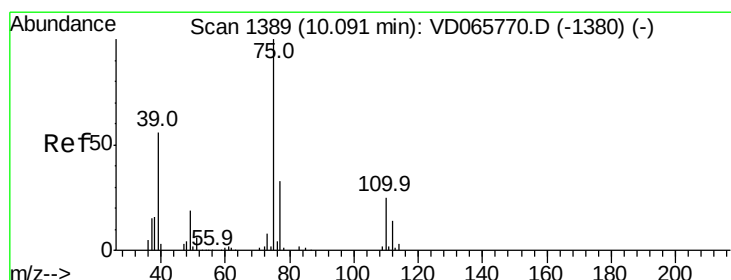
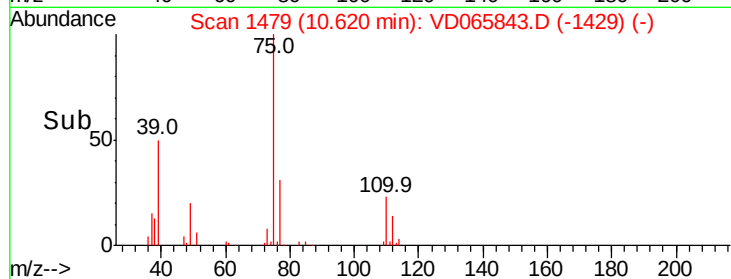
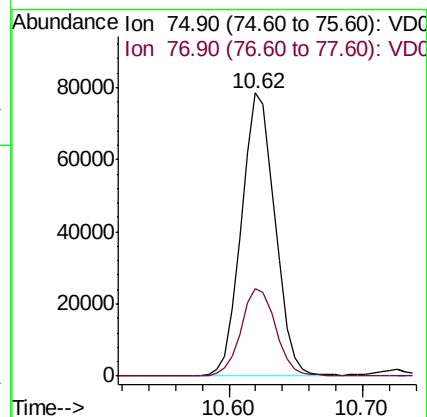
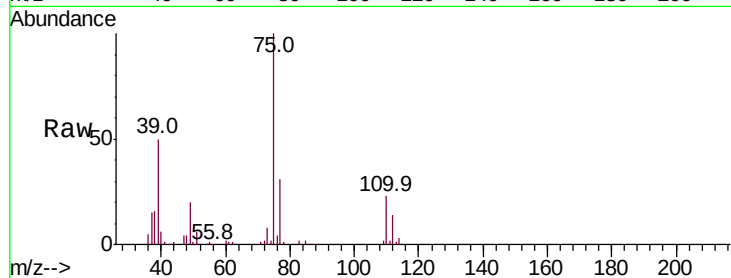
VSTDCCC050

Tot Ion: 75 Resp: 136697

Ion Ratio Lower Upper

75 100

77 31.2 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 48.793 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

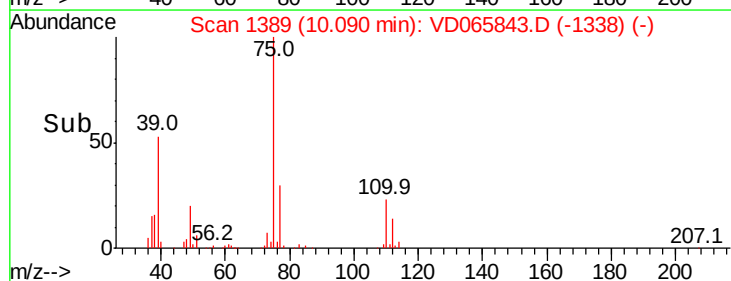
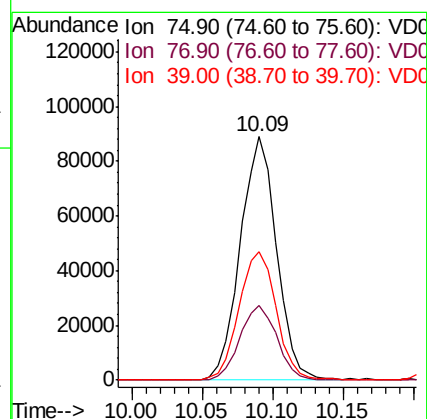
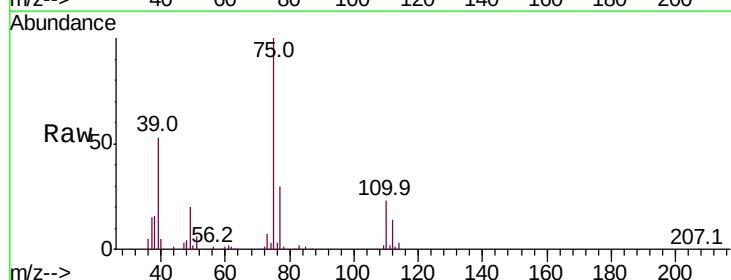
Tgt Ion: 75 Resp: 159678

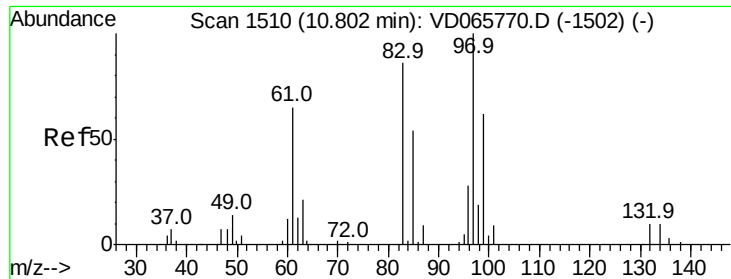
Ion Ratio Lower Upper

75 100

77 30.4 26.0 39.0

39 53.0 45.0 67.6

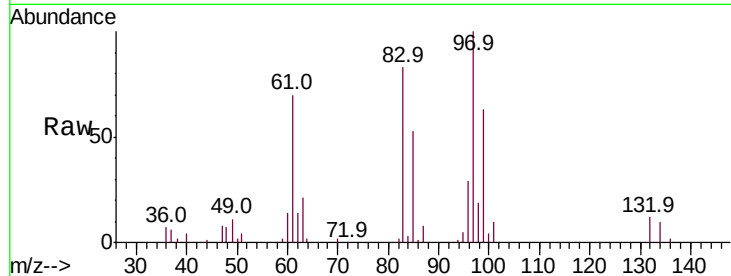




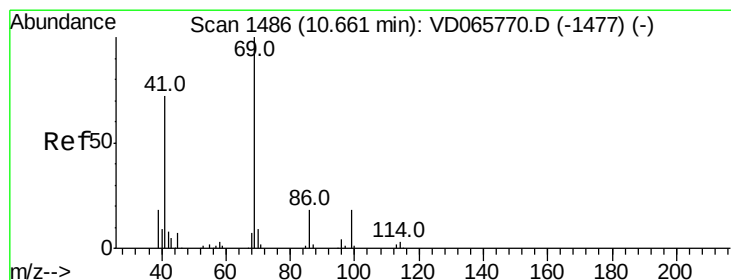
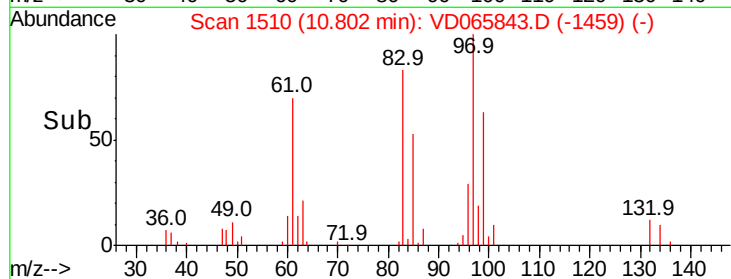
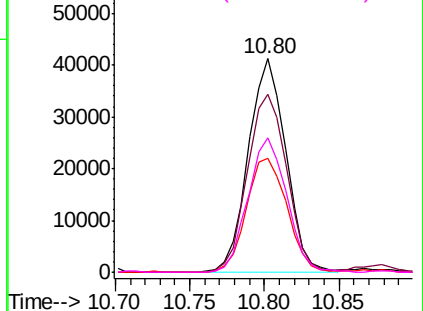
#55
 1,1,2-Trichloroethane
 Concen: 46.995 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 71704
 Ion Ratio Lower Upper
 97 100
 83 83.2 68.7 103.1
 85 53.3 43.0 64.6
 99 62.7 49.8 74.6

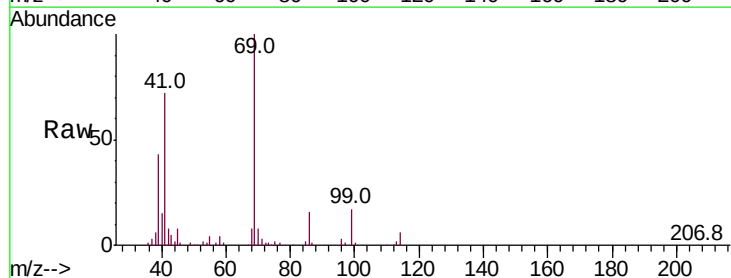


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

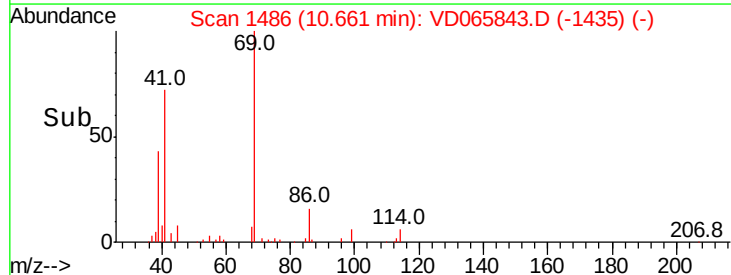
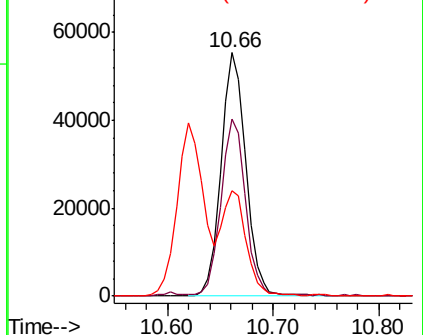


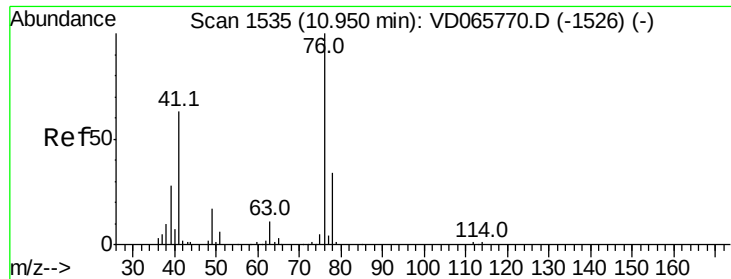
#56
 Ethyl methacrylate
 Concen: 50.476 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 69 Resp: 90586
 Ion Ratio Lower Upper
 69 100
 41 71.7 56.9 85.3
 39 42.3 36.0 54.0



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





#57

1,3-Dichloropropane

Concen: 47.796 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

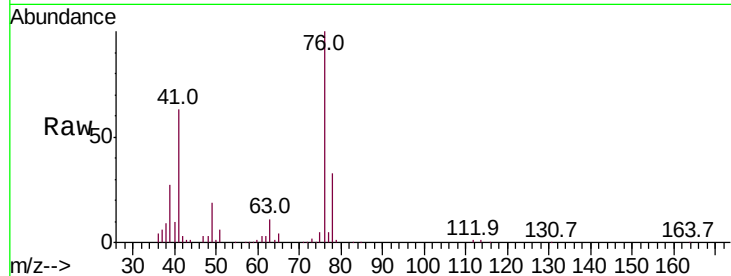
VSTDCCC050

Tot Ion: 76 Resp: 126344

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

40000

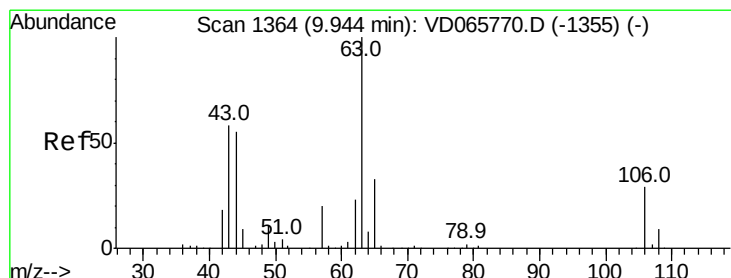
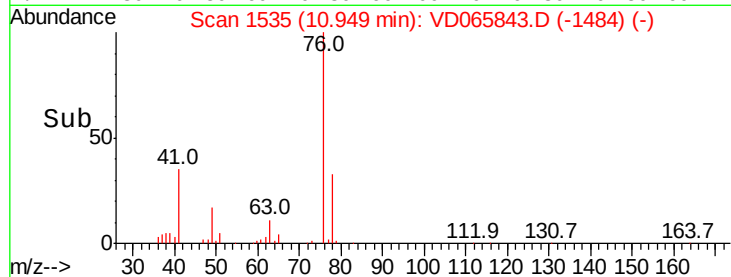
20000

0

Time-->

10.90

11.00



#58

2-Chloroethyl Vinyl ether

Concen: 279.174 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065843.D

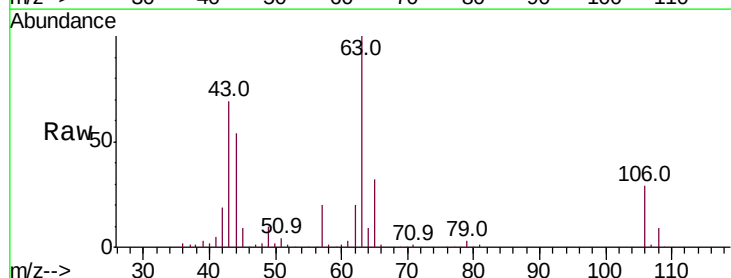
Acq: 22 Jun 2020 14:26

Tgt Ion: 63 Resp: 232932

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

150000

100000

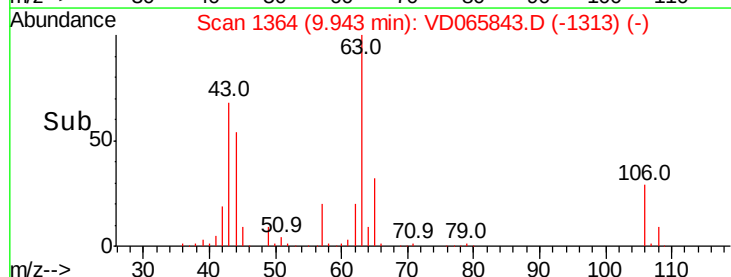
50000

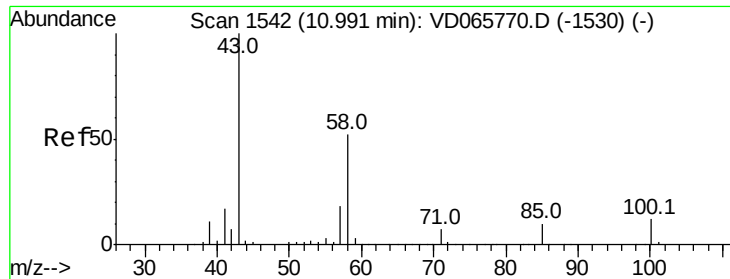
0

Time-->

9.90

10.00

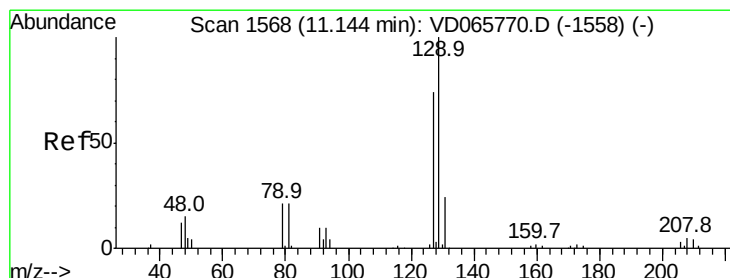
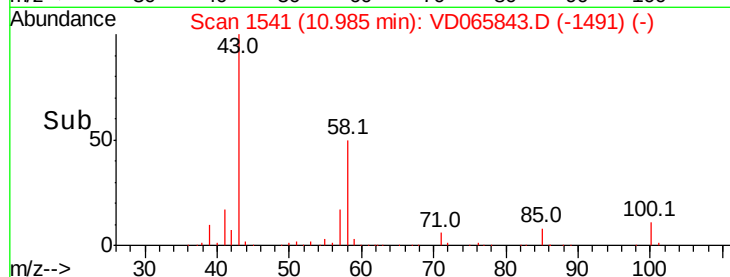
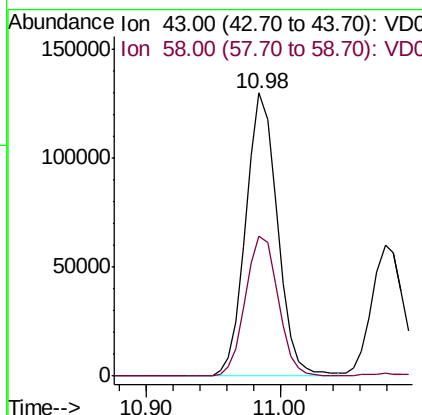
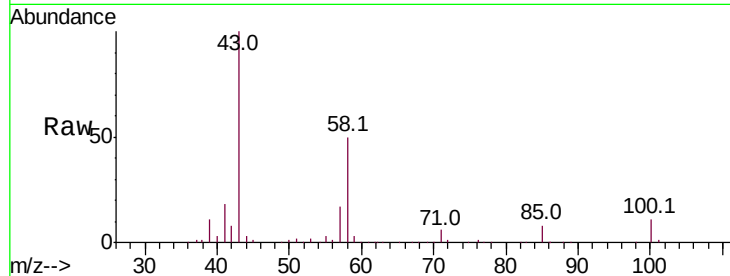




#59
2-Hexanone
Concen: 268.416 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

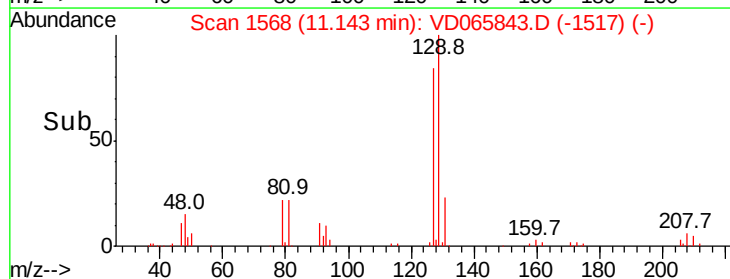
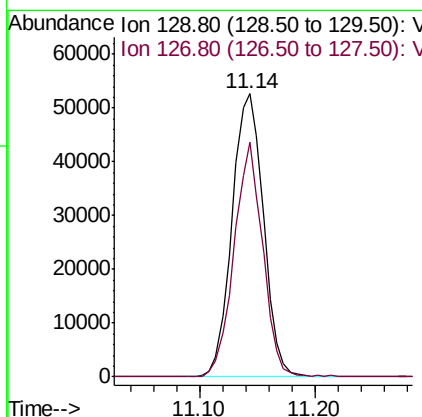
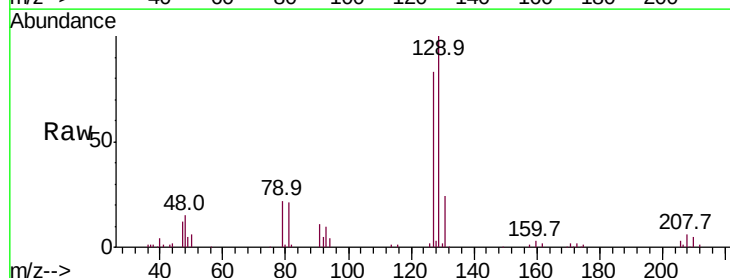
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

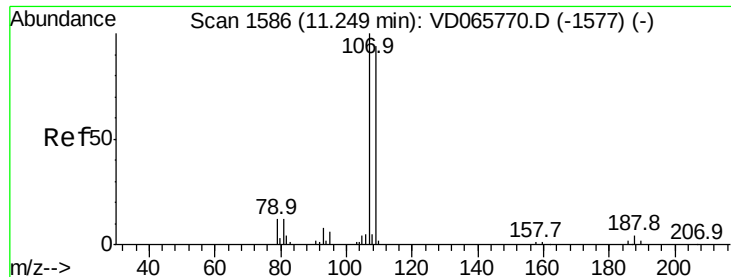
Tot Ion: 43 Resp: 212889
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0



#60
Dibromochloromethane
Concen: 48.085 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:129 Resp: 99112
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.889 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

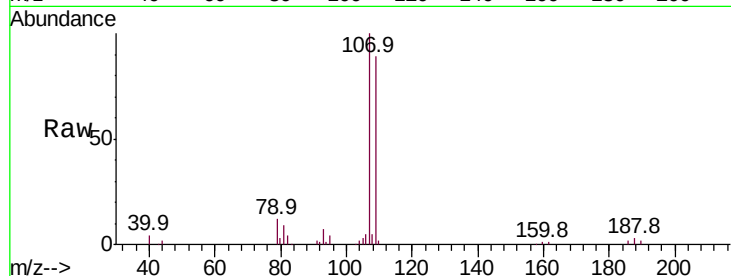
VSTDCCC050

Tot Ion:107 Resp: 73308

Ion Ratio Lower Upper

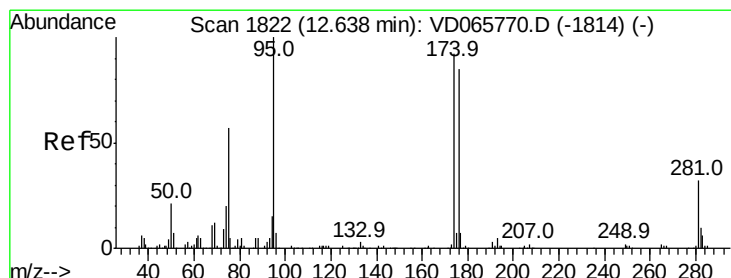
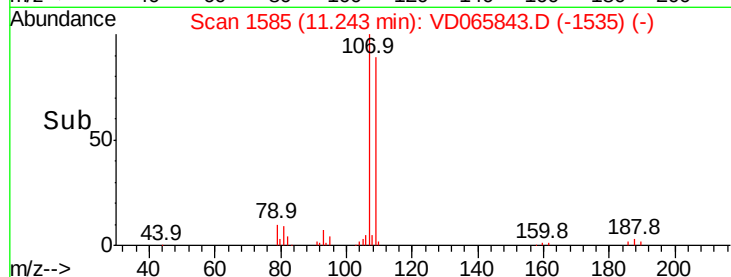
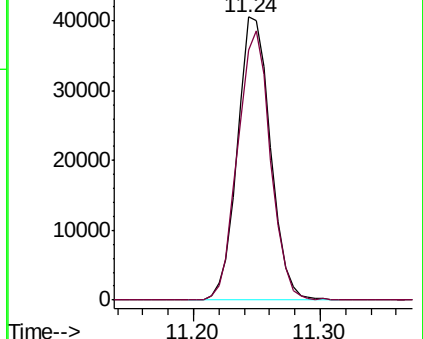
107 100

109 94.4 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.944 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

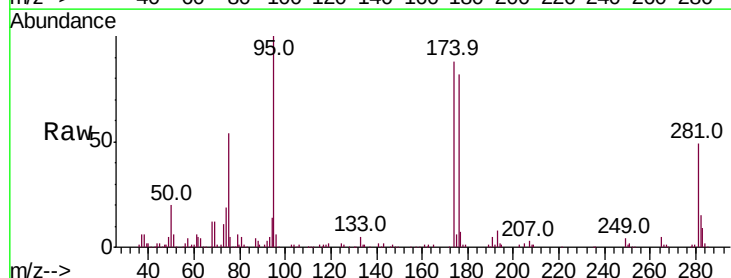
Tgt Ion: 95 Resp: 132766

Ion Ratio Lower Upper

95 100

174 85.1 0.0 175.2

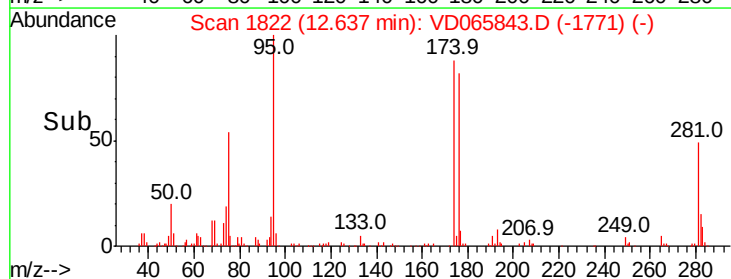
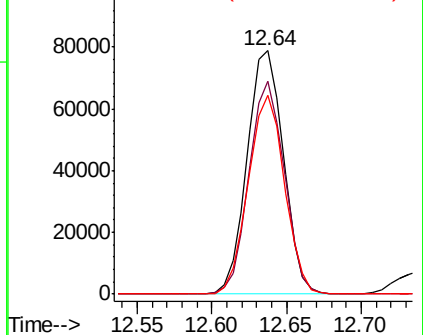
176 81.5 0.0 163.0

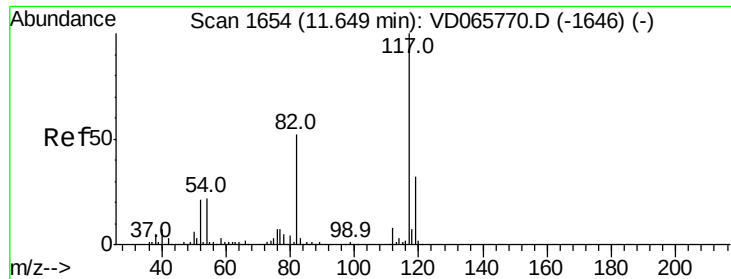


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

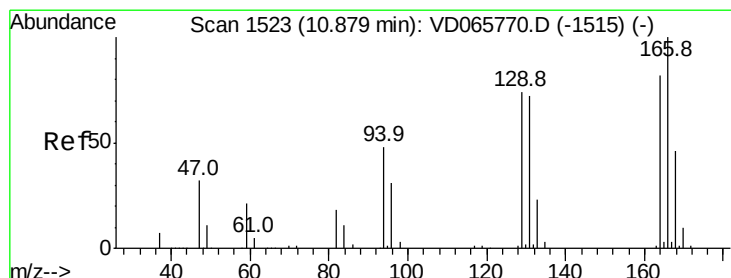
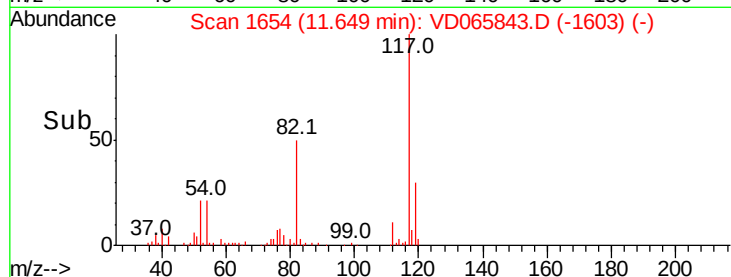
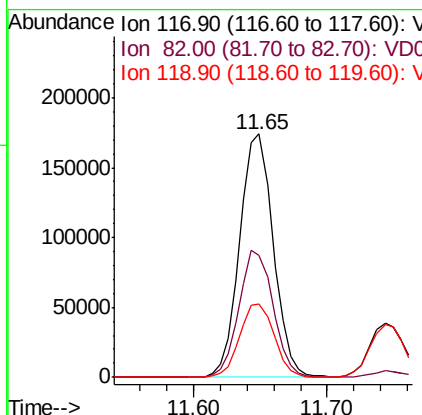
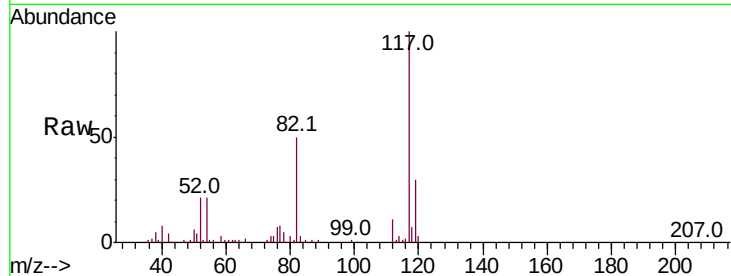




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

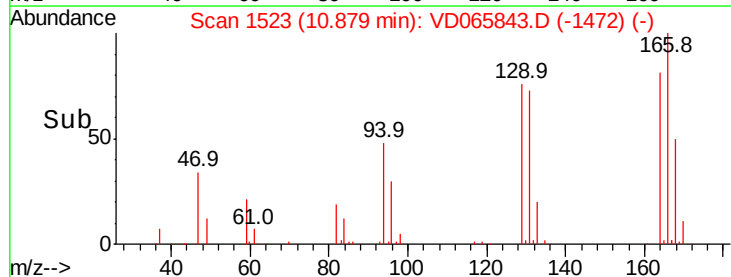
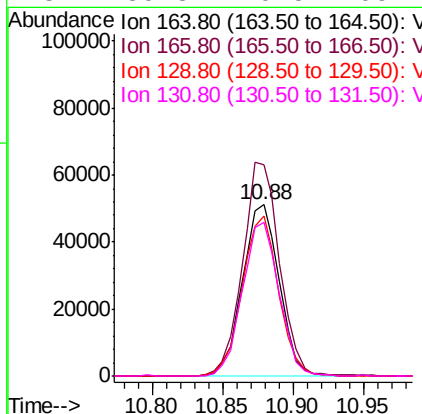
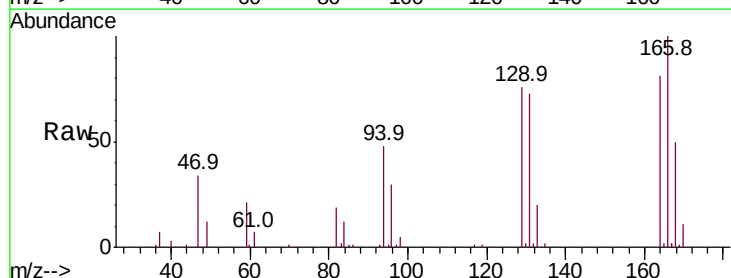
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

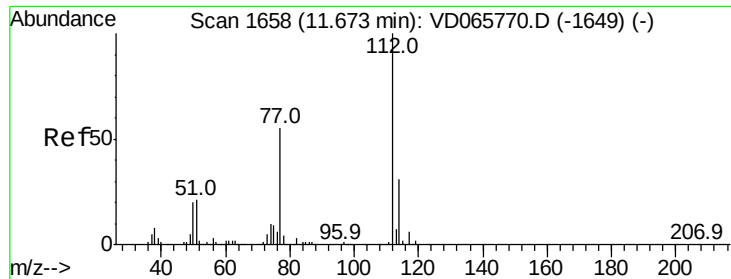
Tot Ion:117 Resp: 304009
Ion Ratio Lower Upper
117 100
82 50.2 41.9 62.9
119 30.1 25.3 37.9



#64
Tetrachloroethene
Concen: 45.336 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:164 Resp: 93199
Ion Ratio Lower Upper
164 100
166 123.2 98.2 147.2
129 93.9 72.3 108.5
131 89.8 70.5 105.7

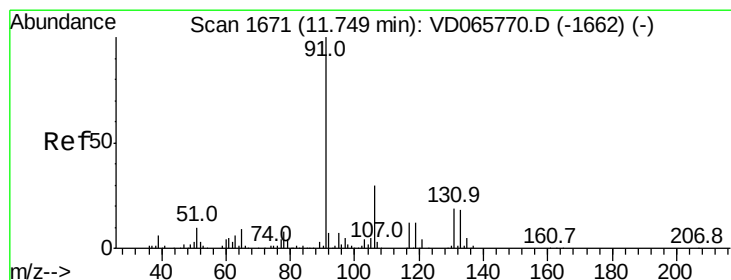
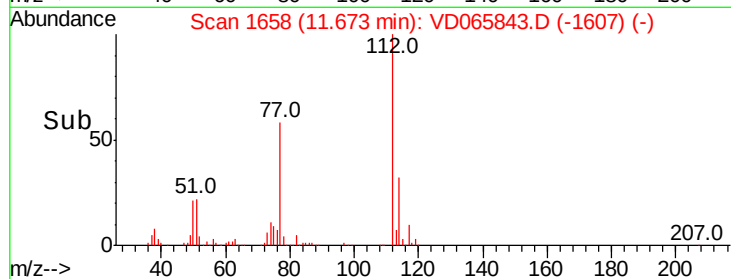
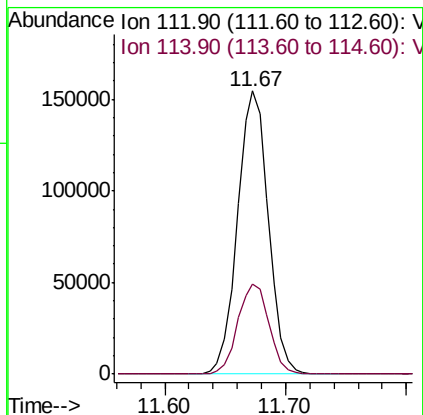
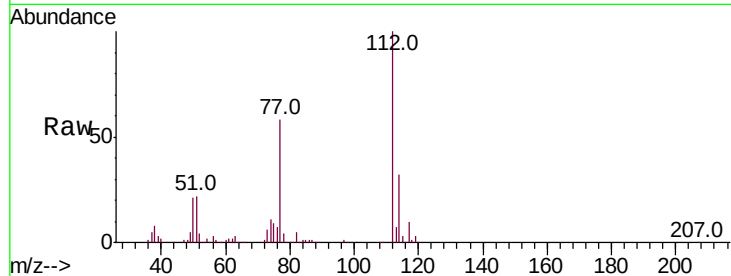




#65
Chlorobenzene
Concen: 46.271 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

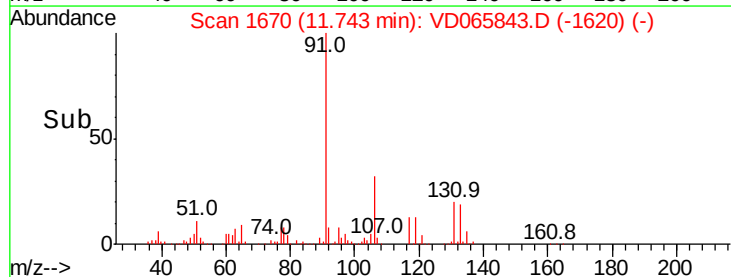
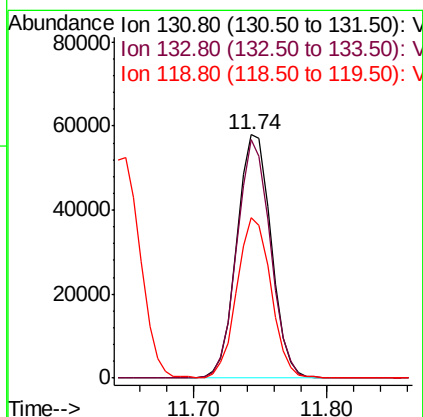
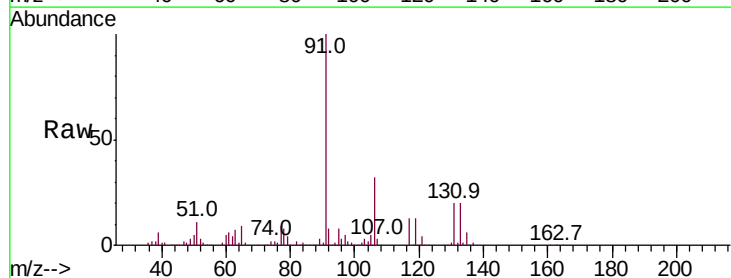
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

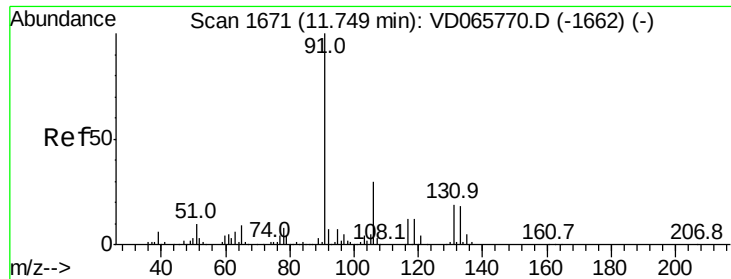
Tot Ion:112 Resp: 274615
Ion Ratio Lower Upper
112 100
114 31.8 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 46.751 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:131 Resp: 103426
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.2 31.6 94.8





#67

Ethyl Benzene

Concen: 47.389 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

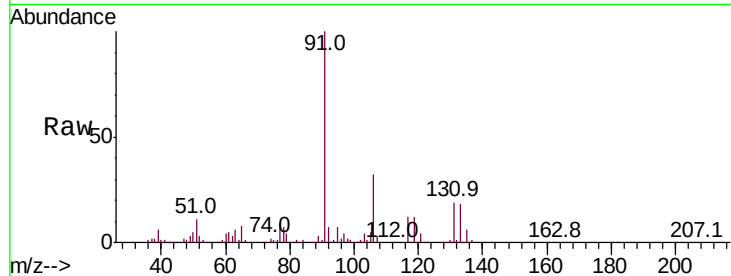
VSTDCCC050

Tot Ion: 91 Resp: 502440

Ion Ratio Lower Upper

91 100

106 31.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

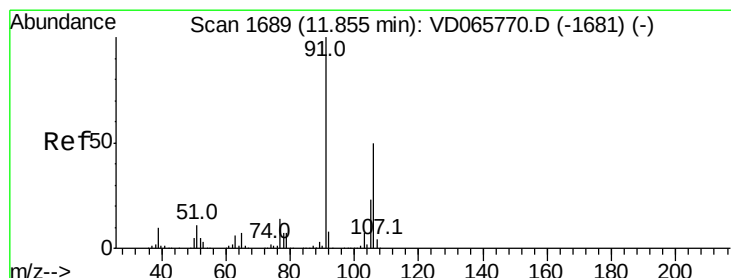
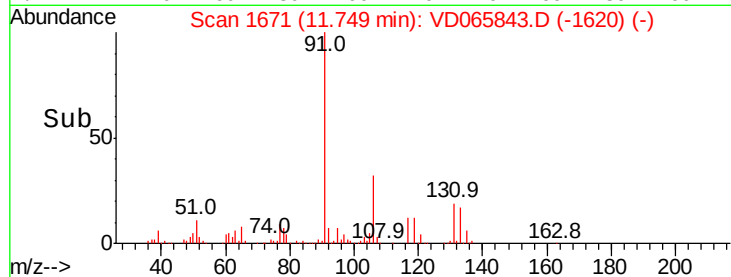
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 95.279 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065843.D

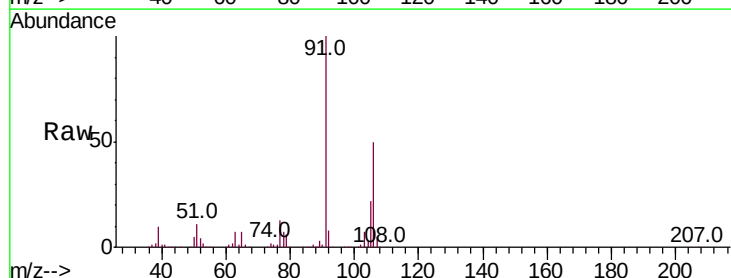
Acq: 22 Jun 2020 14:26

Tgt Ion: 106 Resp: 389108

Ion Ratio Lower Upper

106 100

91 198.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

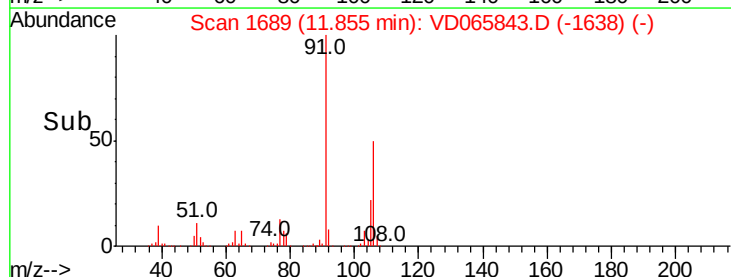
200000

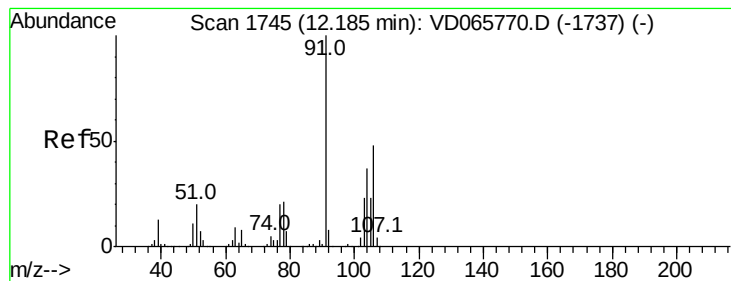
100000

0

11.80 11.86 11.90

Time-->





#69

o-Xylene

Concen: 48.157 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

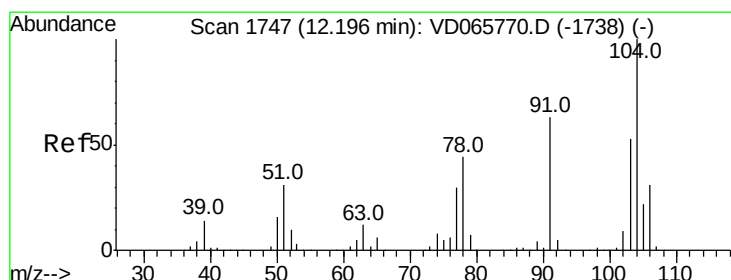
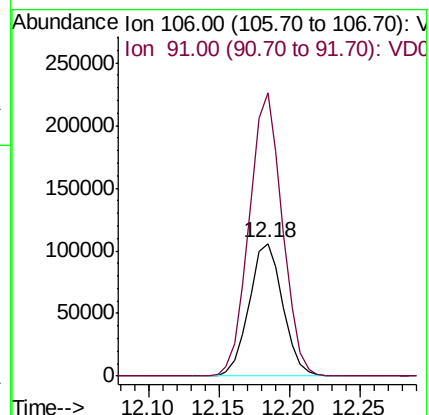
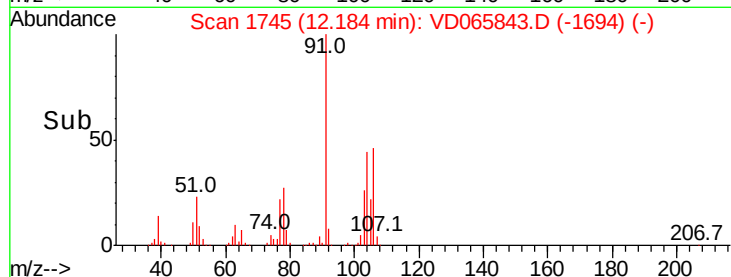
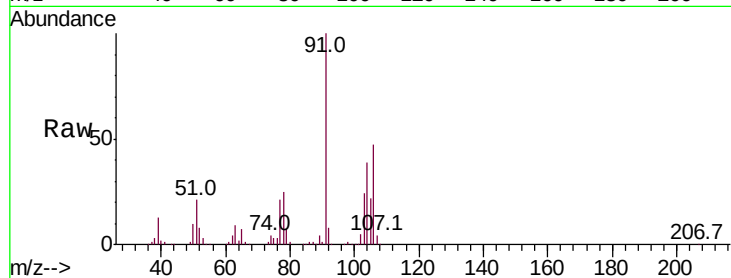
VSTDCCC050

Tot Ion:106 Resp: 177324

Ion Ratio Lower Upper

106 100

91 210.1 105.3 315.8



#70

Styrene

Concen: 48.626 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

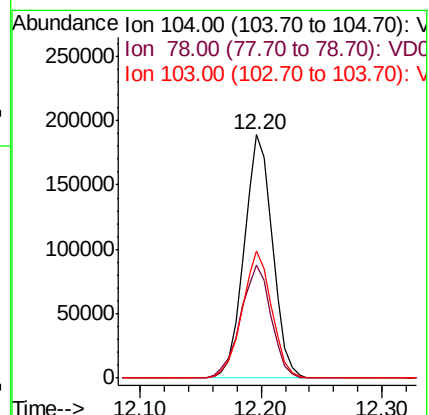
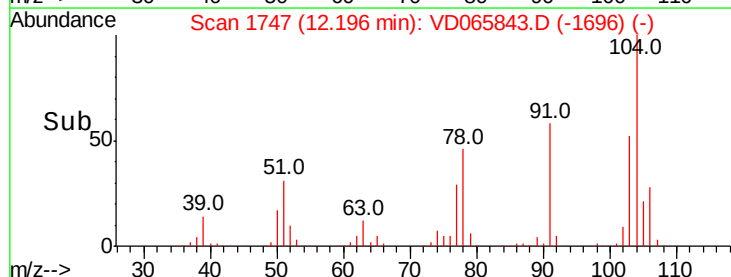
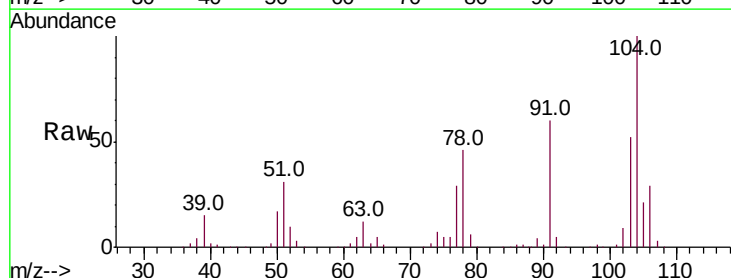
Tgt Ion:104 Resp: 309954

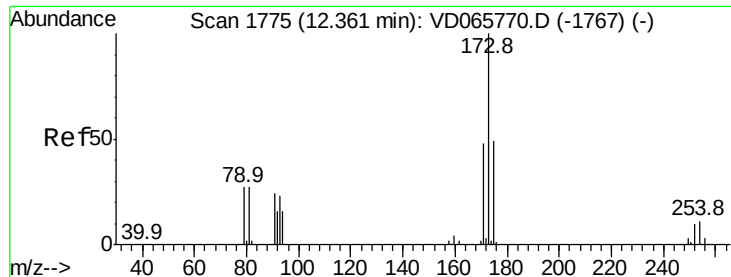
Ion Ratio Lower Upper

104 100

78 49.9 38.6 58.0

103 54.5 43.9 65.9

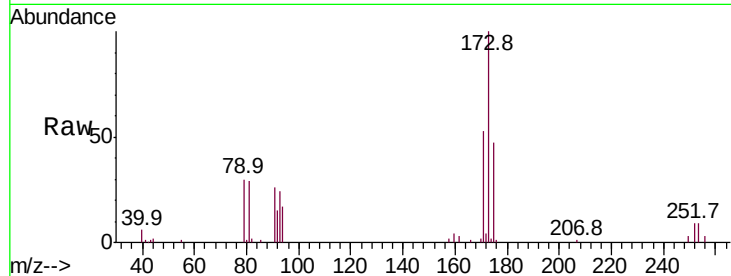




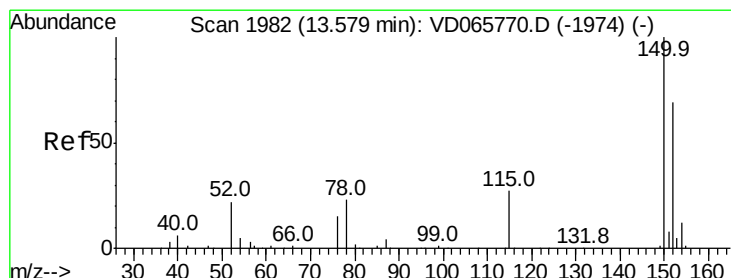
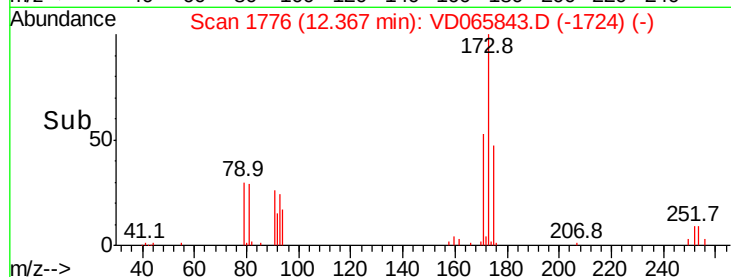
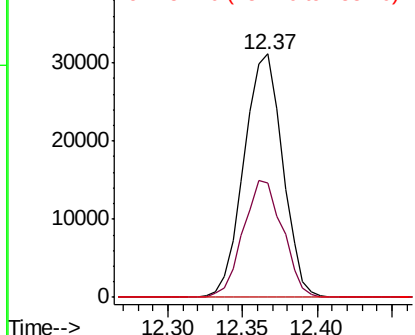
#71
Bromoform
Concen: 45.822 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 55822
Ion Ratio Lower Upper
173 100
175 49.1 24.8 74.4
254 0.0 0.0 0.0

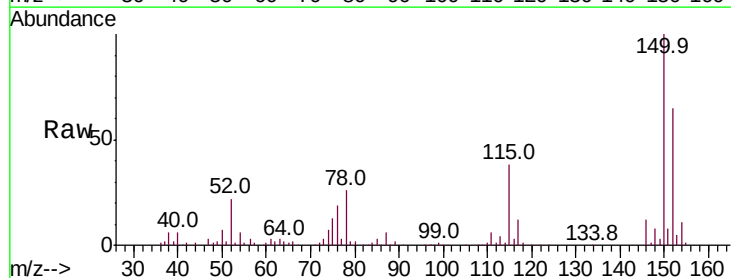


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

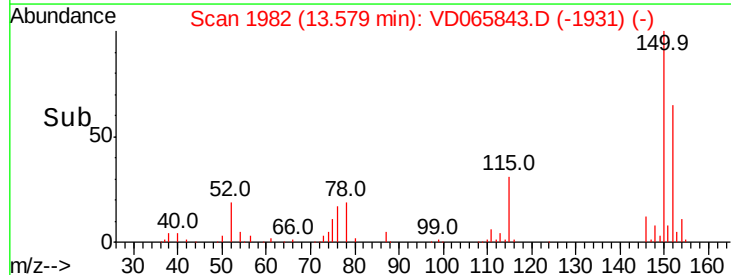
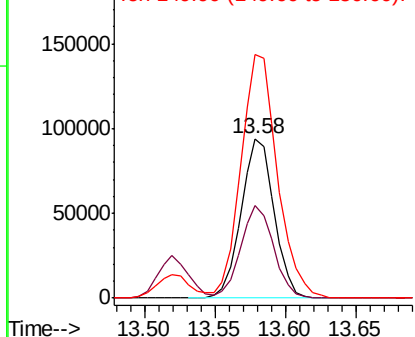


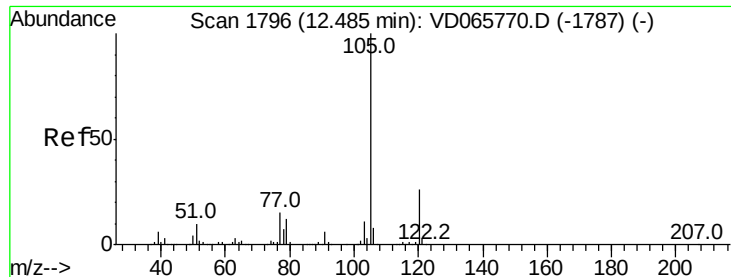
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:152 Resp: 152964
Ion Ratio Lower Upper
152 100
115 58.1 28.7 86.1
150 169.6 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.521 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

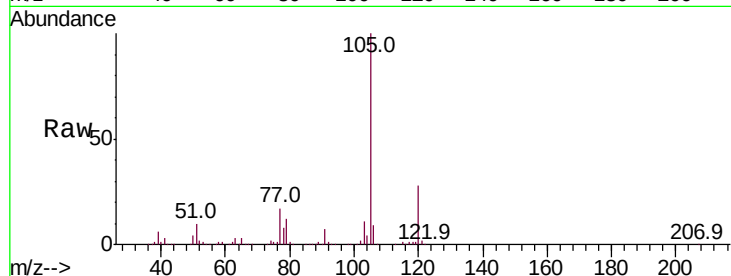
VSTDCCC050

Tot Ion:105 Resp: 487357

Ion Ratio Lower Upper

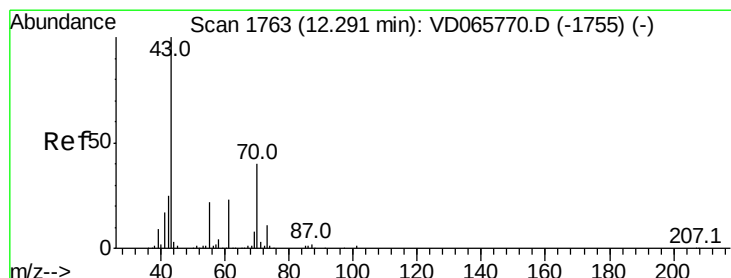
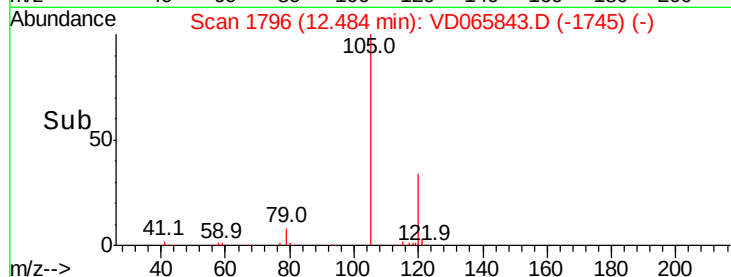
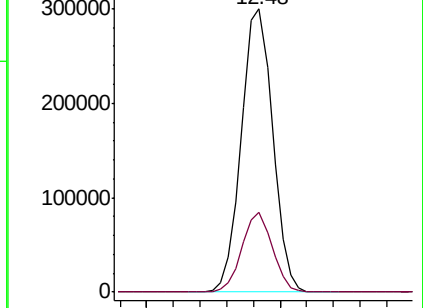
105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.777 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tgt Ion: 43 Resp: 109010

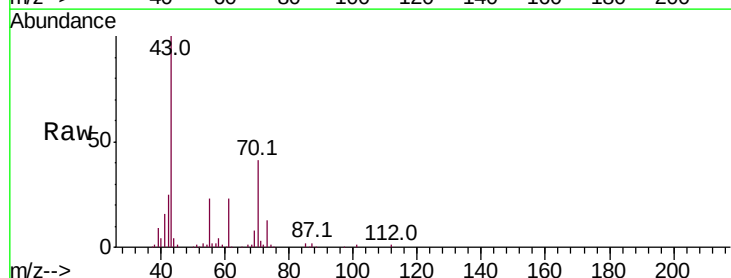
Ion Ratio Lower Upper

43 100

70 41.0 32.3 48.5

55 24.2 19.0 28.4

61 23.0 19.0 28.4

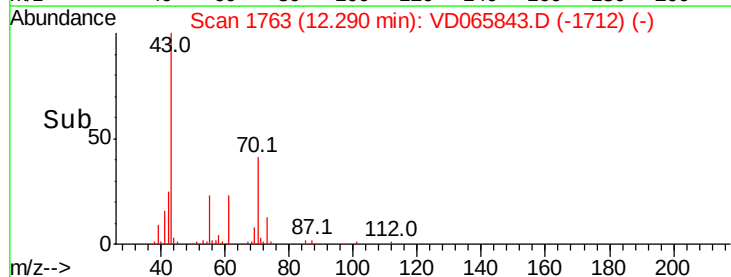
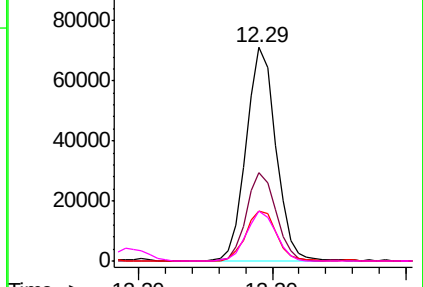


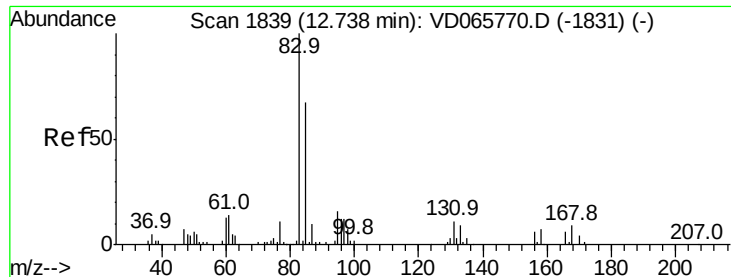
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.722 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

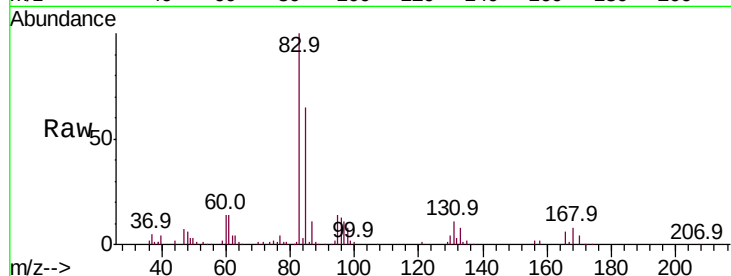
Tot Ion: 83 Resp: 82655

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.0	32.5	97.5

83 100

131 10.7 5.5 16.4

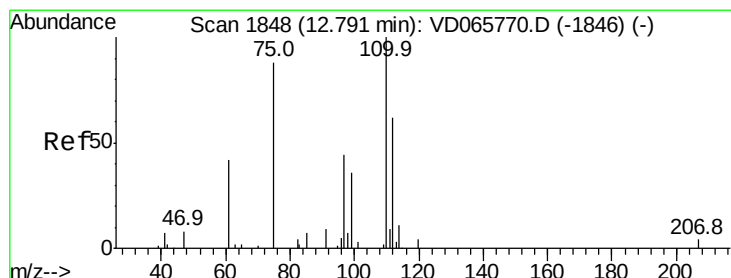
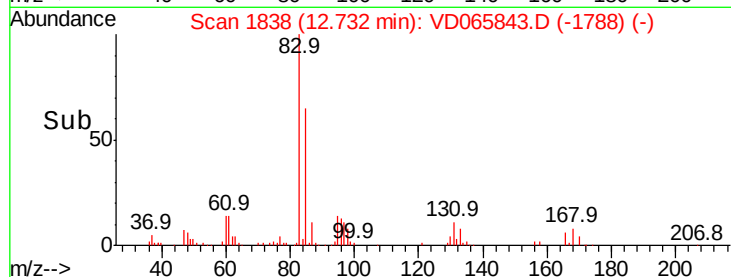
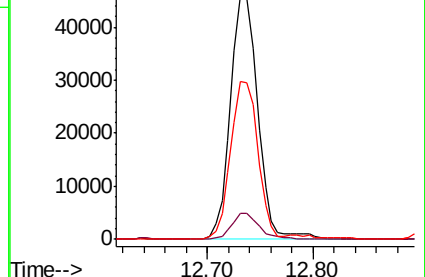
85 64.0 32.5 97.5



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: 92.091 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065843.D

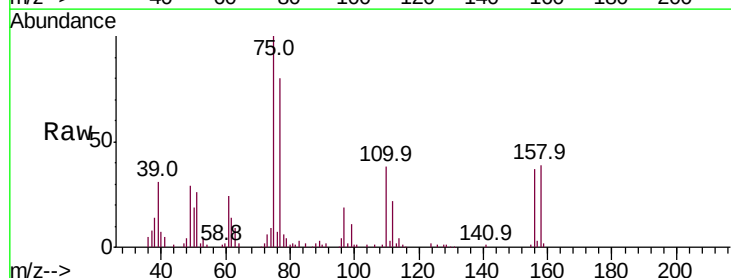
Acq: 22 Jun 2020 14:26

Tgt Ion: 75 Resp: 109554

Ion	Ratio	Lower	Upper
75	100		
77	184.1	0.0	0.0#

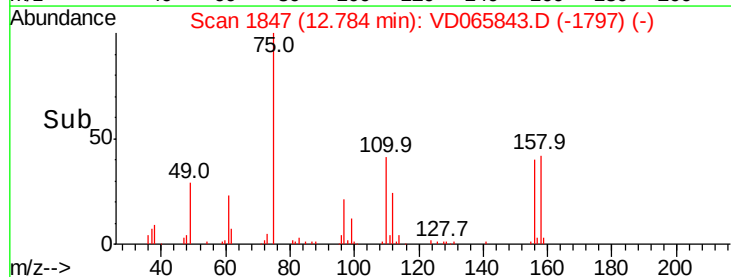
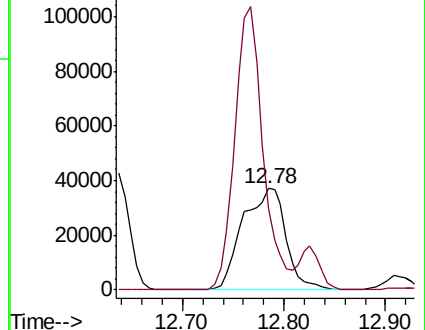
75 100

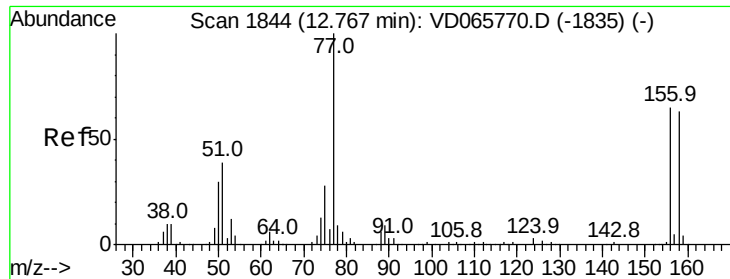
77 184.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.025 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

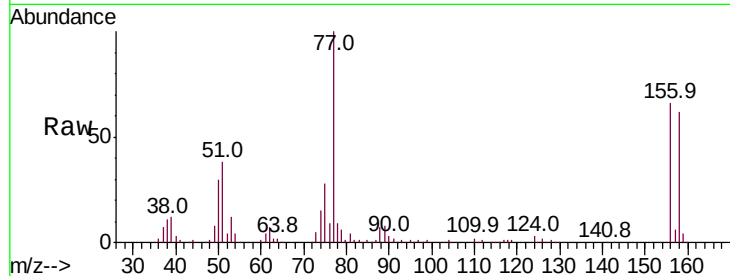
Tot Ion:156 Resp: 111679

Ion Ratio Lower Upper

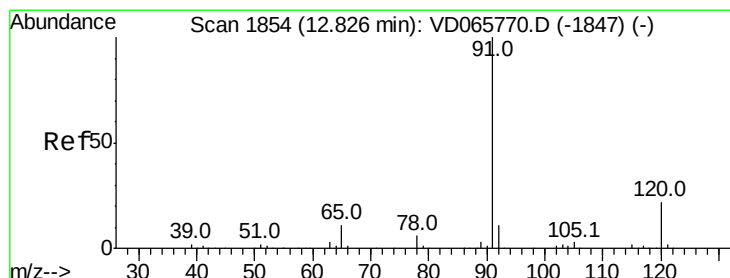
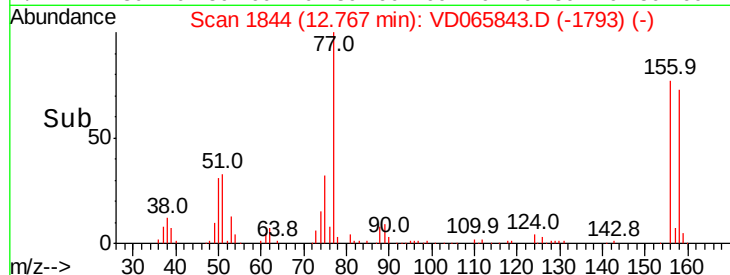
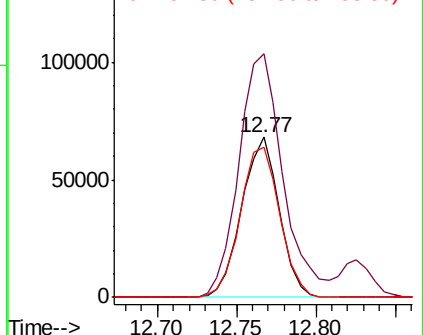
156 100

77 180.6 87.3 261.8

158 99.6 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.862 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065843.D

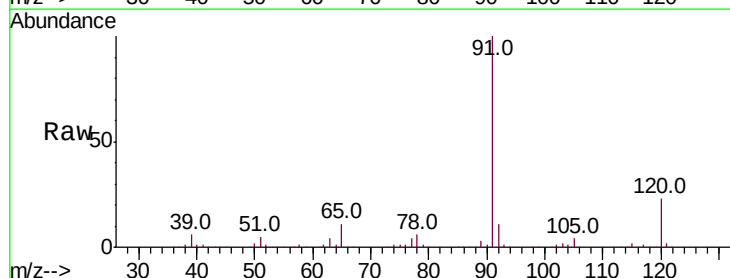
Acq: 22 Jun 2020 14:26

Tgt Ion: 91 Resp: 590857

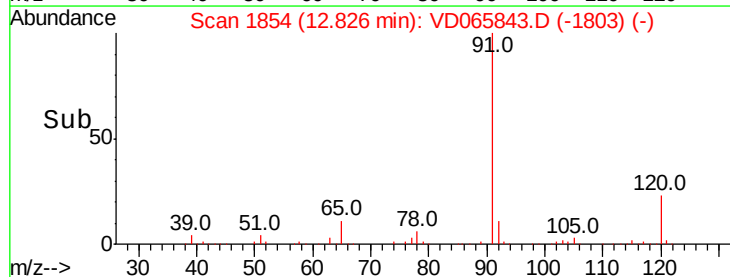
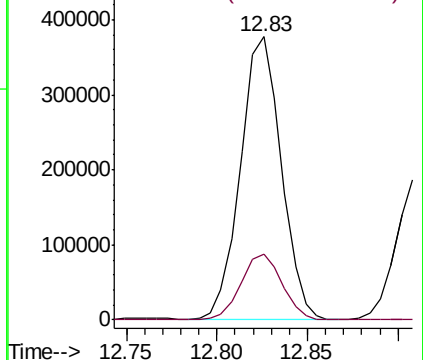
Ion Ratio Lower Upper

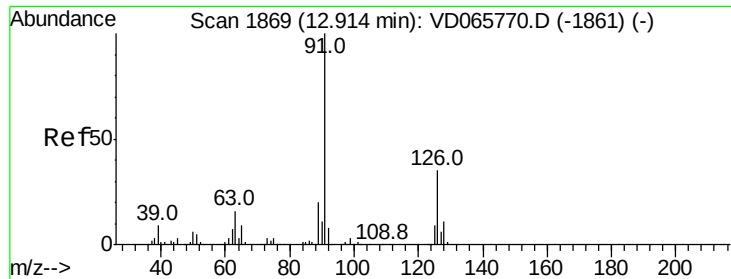
91 100

120 23.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V

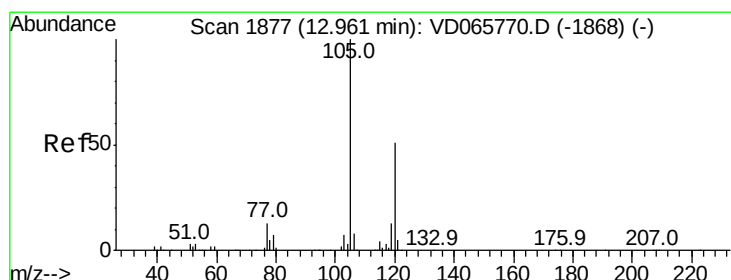
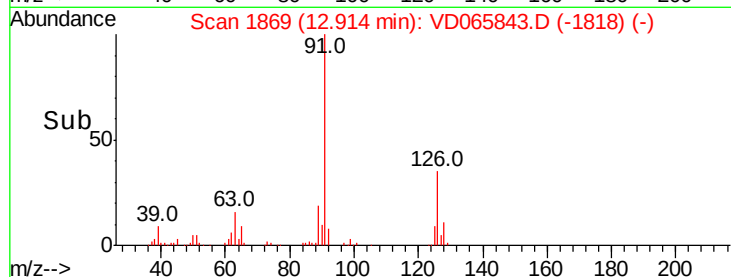
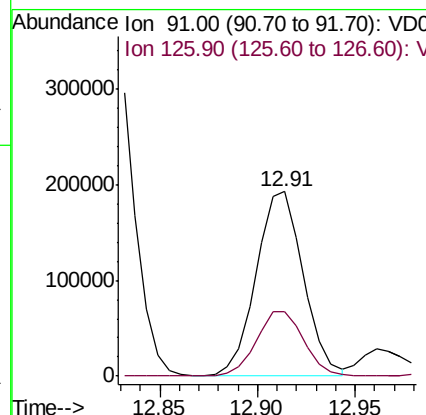
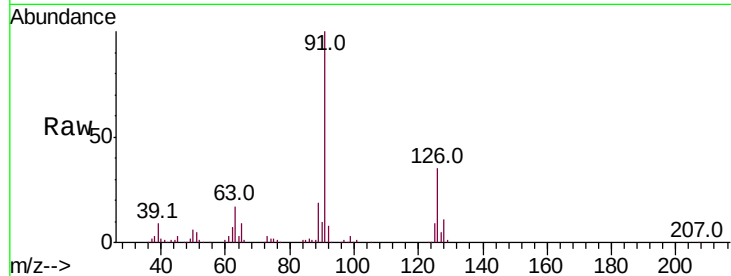




#79
 2-Chlorotoluene
 Concen: 47.631 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

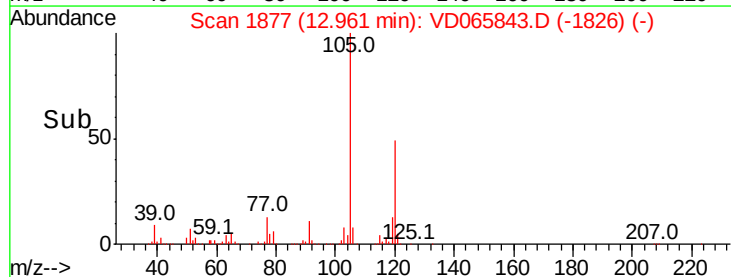
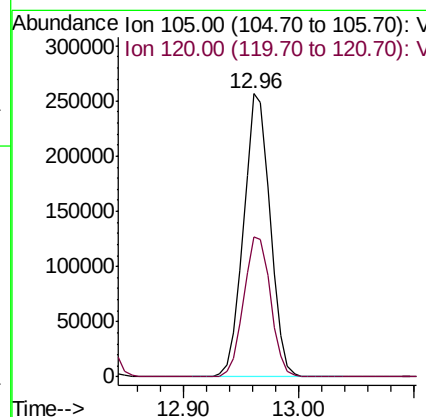
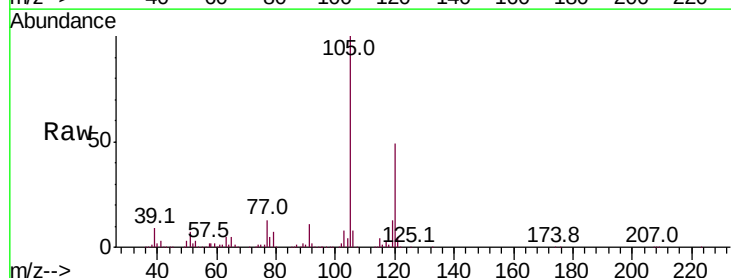
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

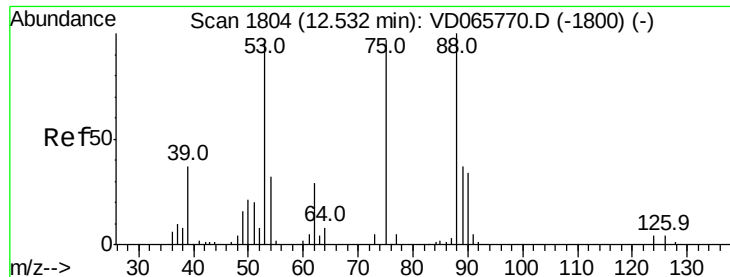
Tot Ion: 91 Resp: 322566
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 47.816 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 105 Resp: 408086
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.873 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

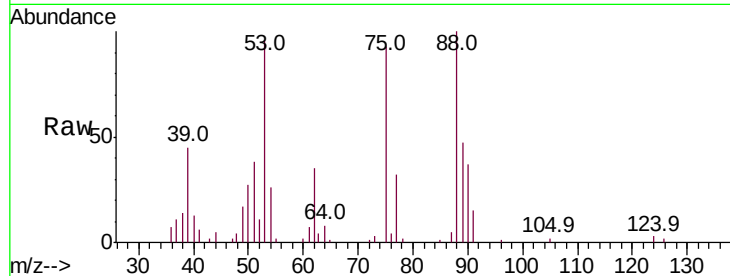
Tot Ion: 75 Resp: 26909

Ion Ratio Lower Upper

75 100

53 102.5 82.6 123.8

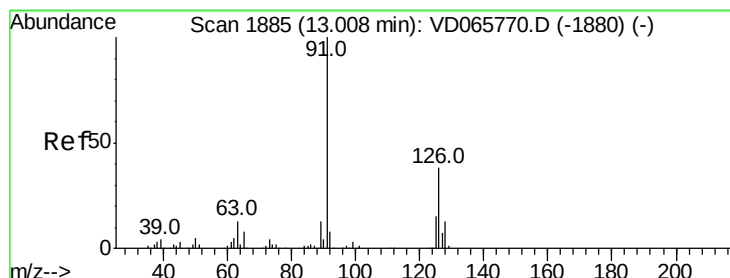
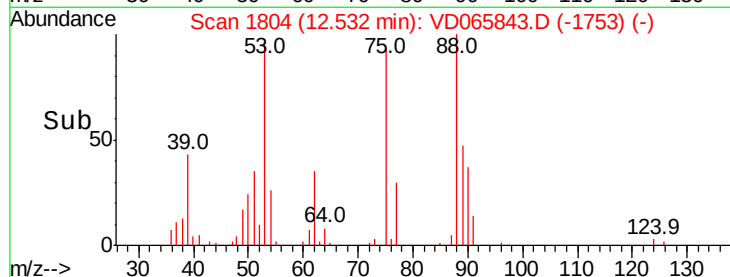
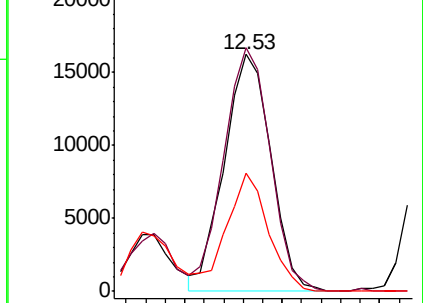
89 45.4 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.617 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065843.D

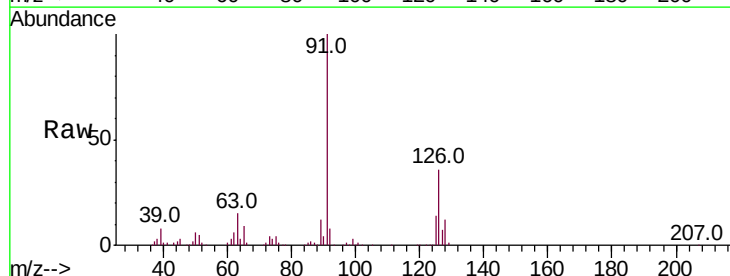
Acq: 22 Jun 2020 14:26

Tgt Ion: 91 Resp: 346130

Ion Ratio Lower Upper

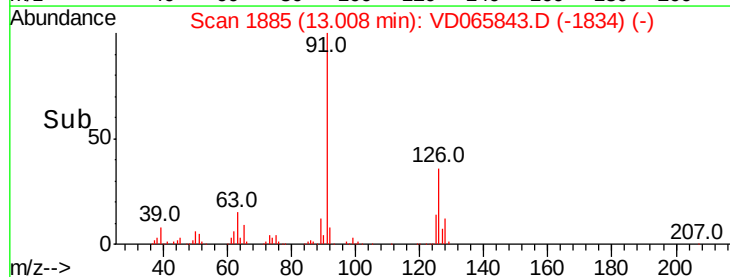
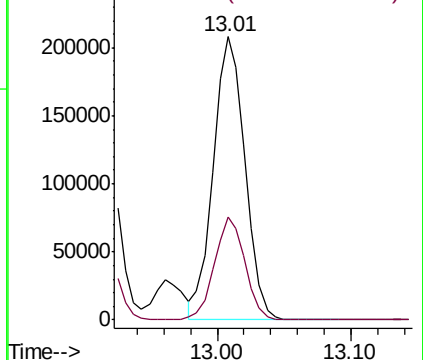
91 100

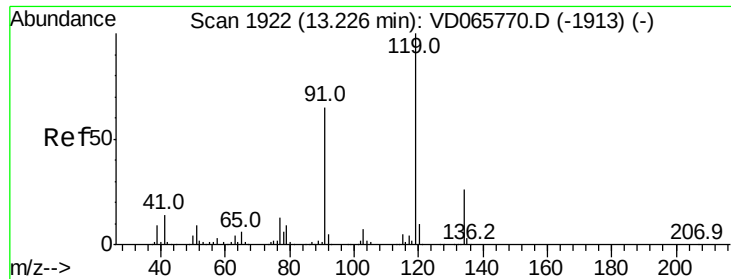
126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

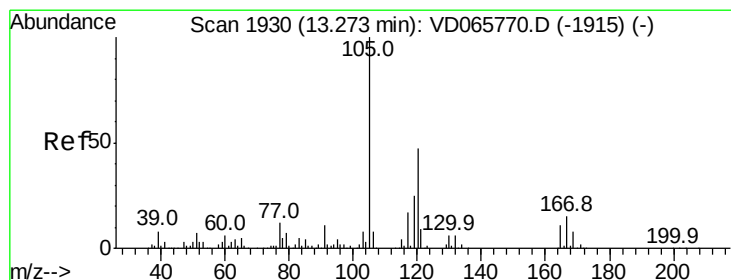
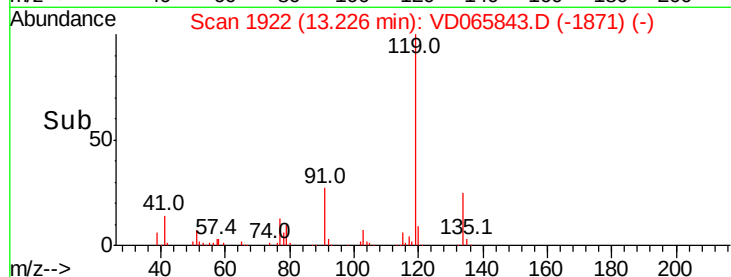
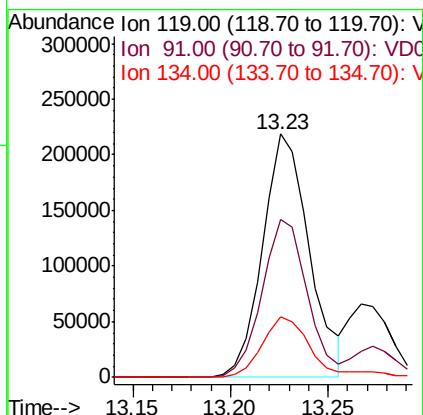
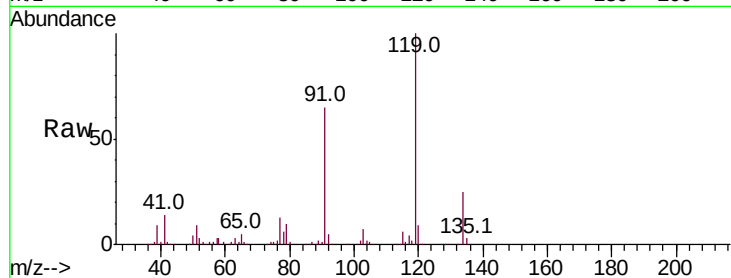




#83
 tert-Butylbenzene
 Concen: 48.984 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

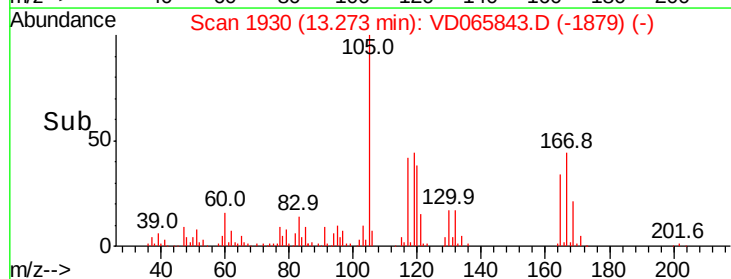
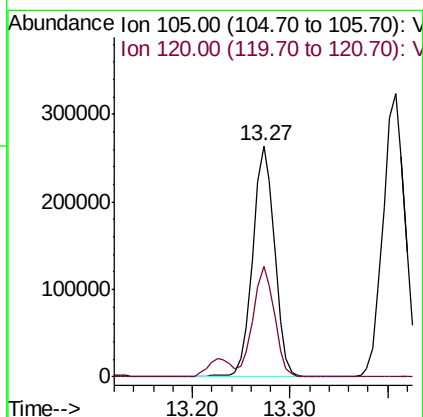
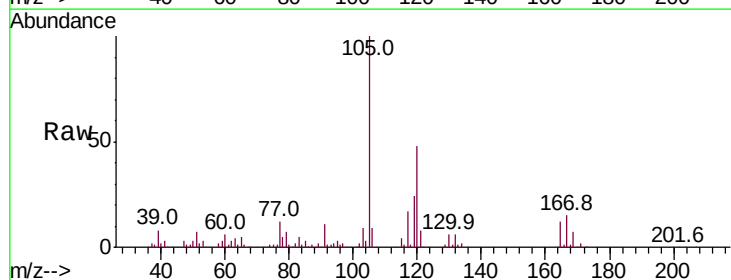
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

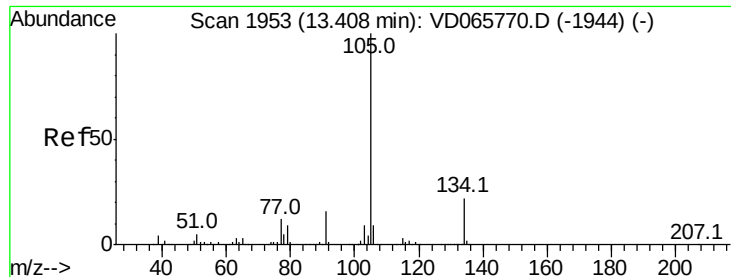
Tot Ion:119 Resp: 362739
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.0 96.0
 134 26.5 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 48.219 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion:105 Resp: 411904
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.157 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

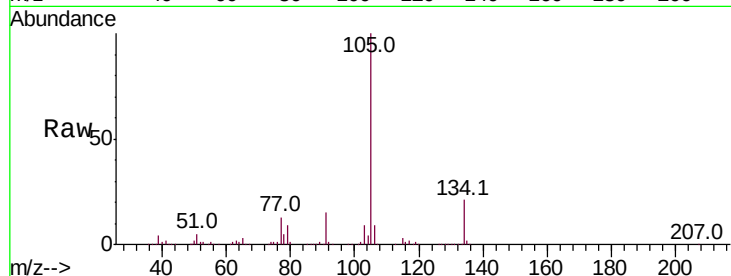
VSTDCCC050

Tot Ion:105 Resp: 506594

Ion Ratio Lower Upper

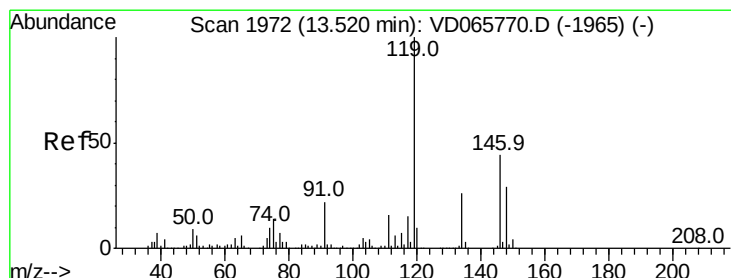
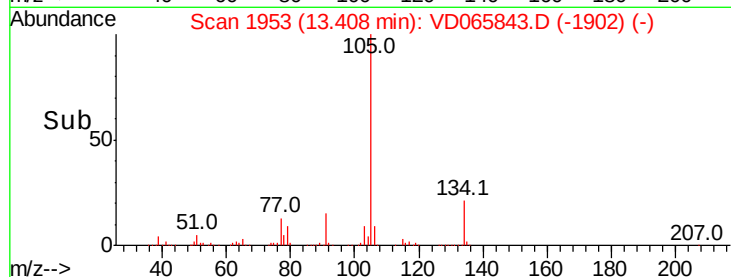
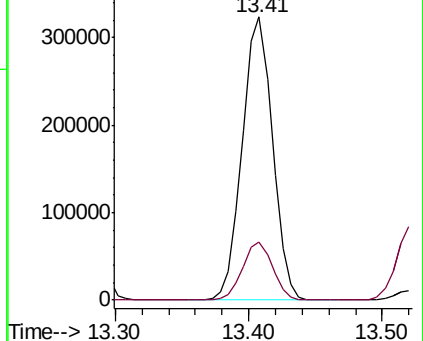
105 100

134 20.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.976 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

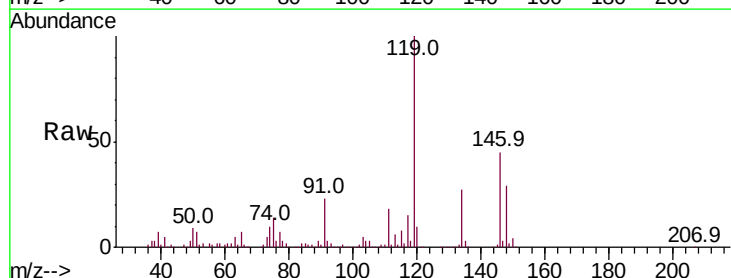
Tgt Ion:119 Resp: 462613

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

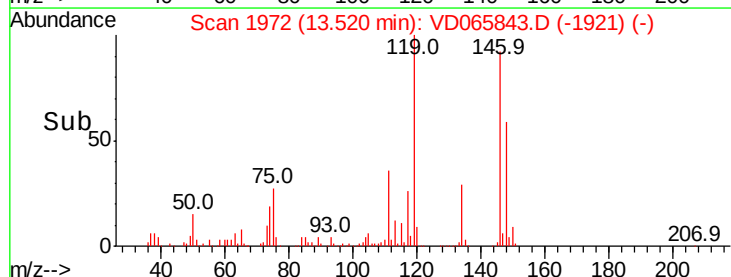
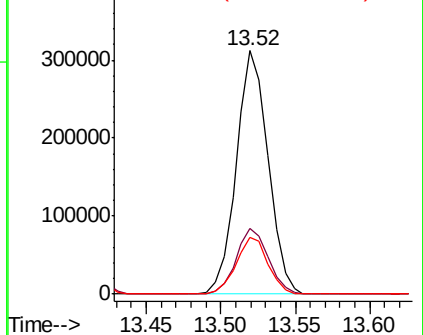
91 23.6 11.8 35.4

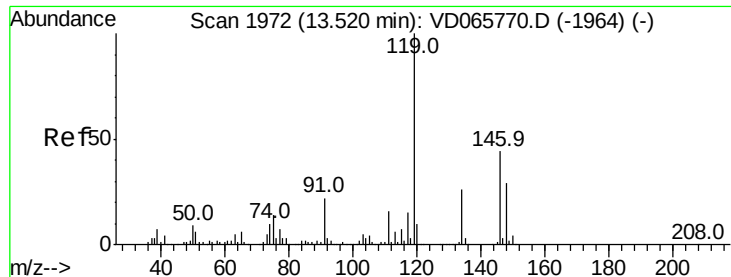


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.941 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

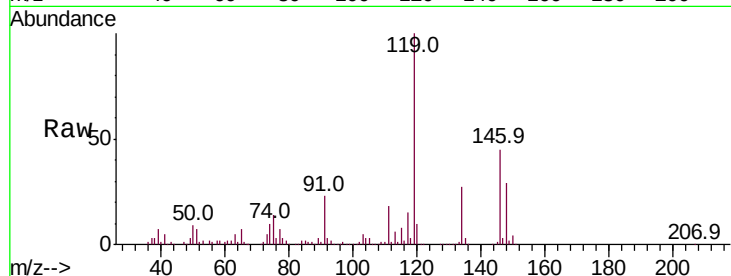
Tot Ion:146 Resp: 224589

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

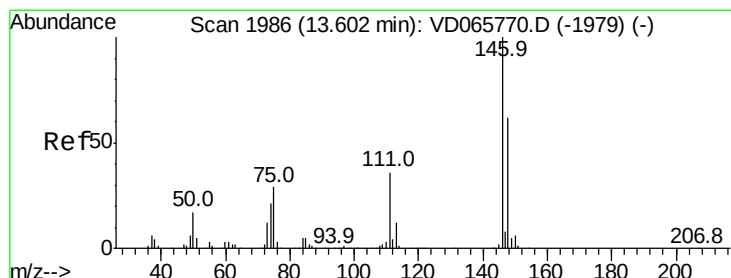
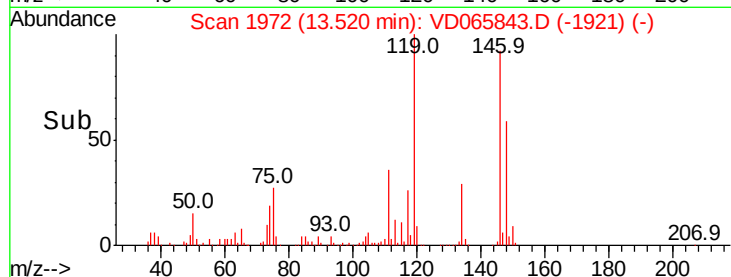
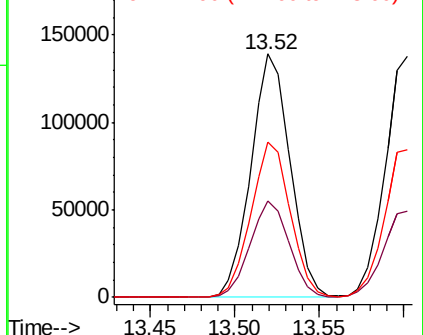
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.659 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

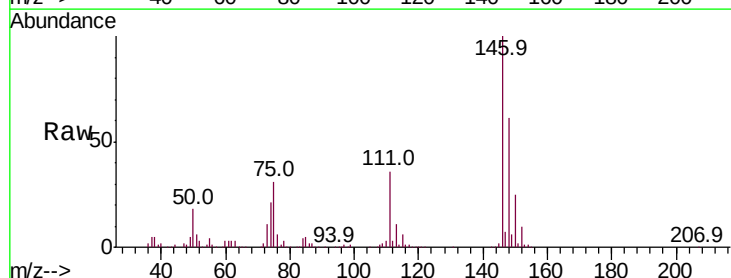
Tgt Ion:146 Resp: 222065

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.7

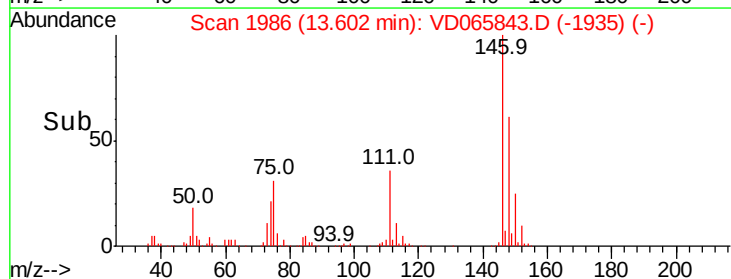
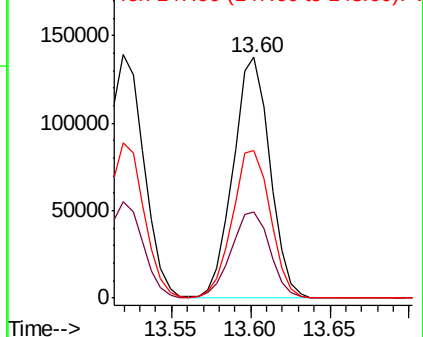
148 63.4 31.6 94.7

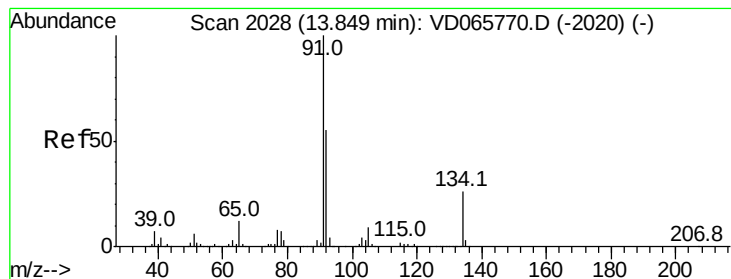


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.517 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

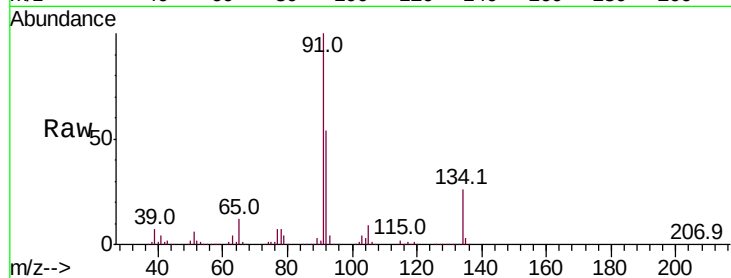
Tot Ion: 91 Resp: 437075

Ion Ratio Lower Upper

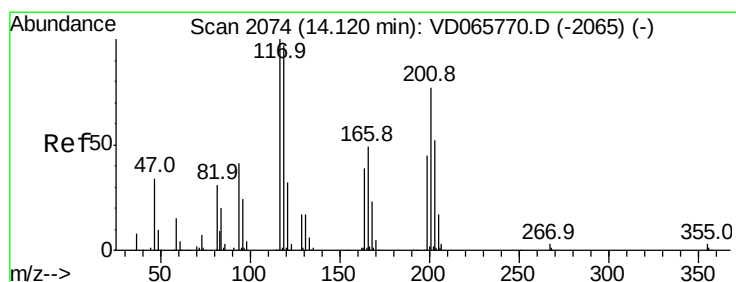
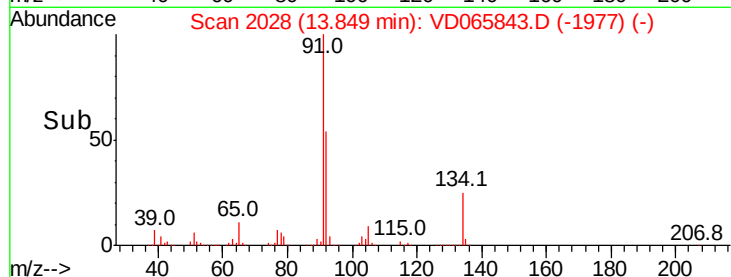
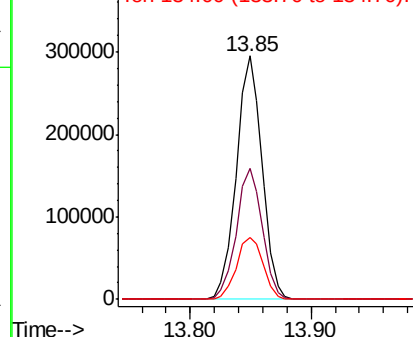
91 100

92 54.1 27.0 81.0

134 26.5 13.0 39.0



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



#90

Hexachloroethane

Concen: 47.344 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065843.D

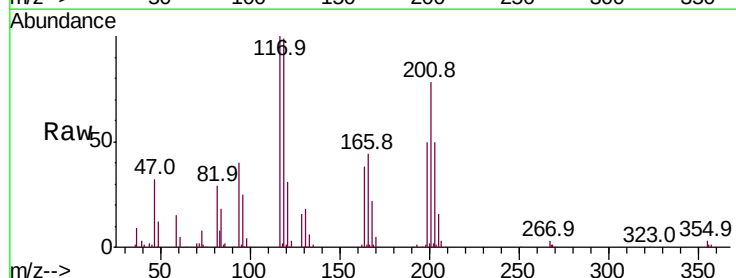
Acq: 22 Jun 2020 14:26

Tgt Ion: 117 Resp: 89514

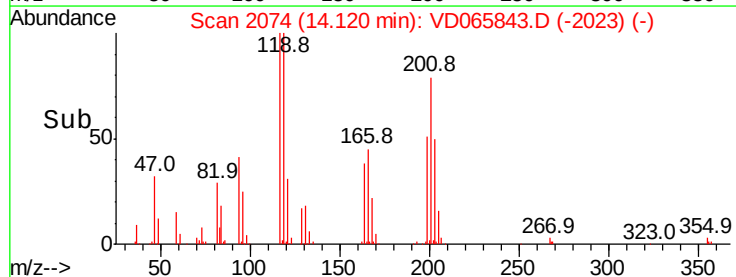
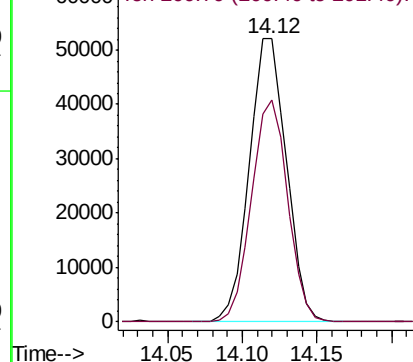
Ion Ratio Lower Upper

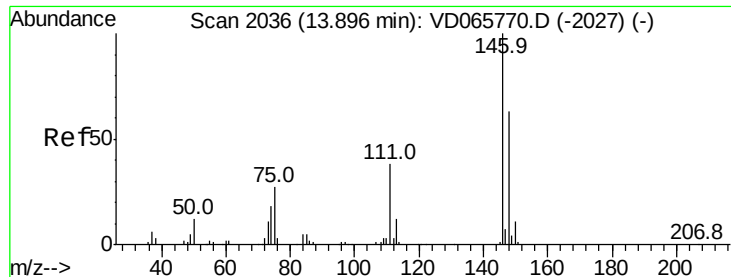
117 100

201 76.3 37.1 111.5



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

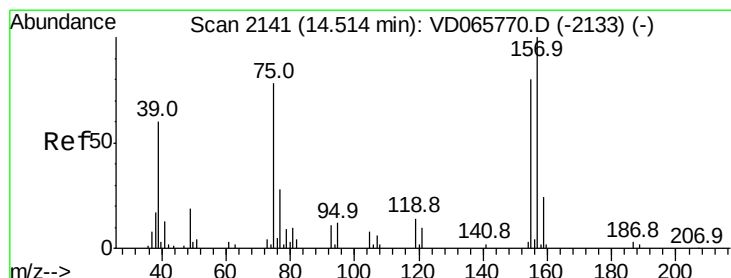
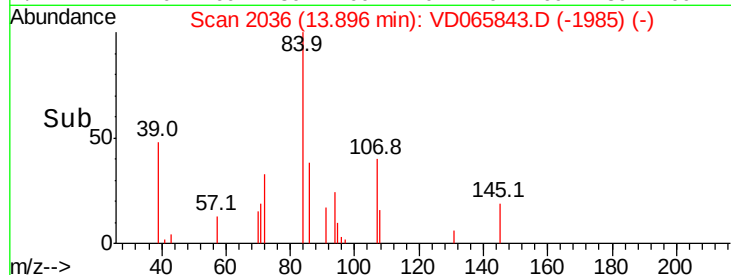
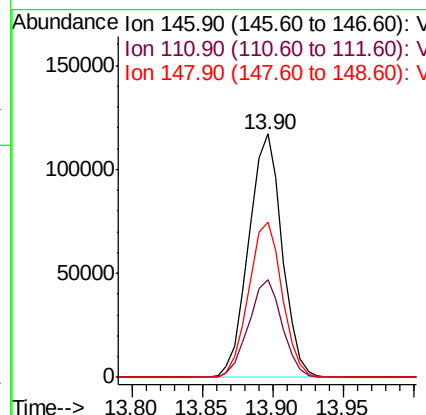
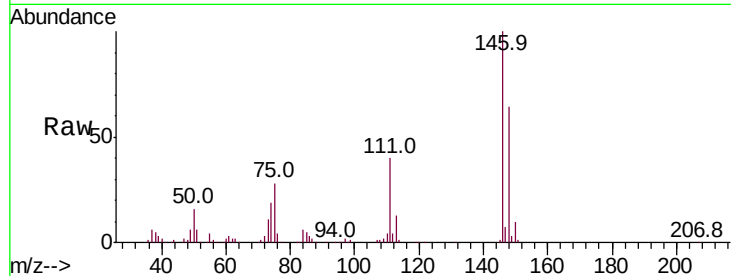




#91
 1,2-Dichlorobenzene
 Concen: 47.220 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

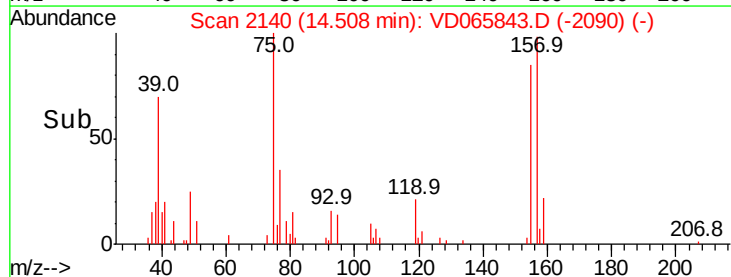
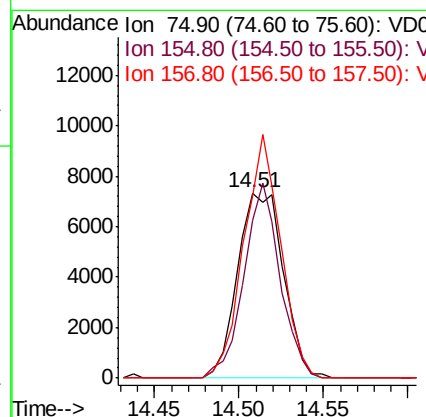
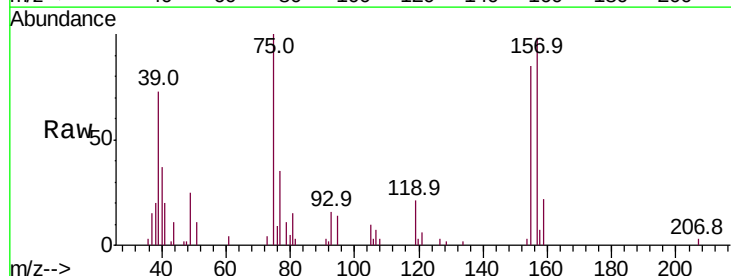
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

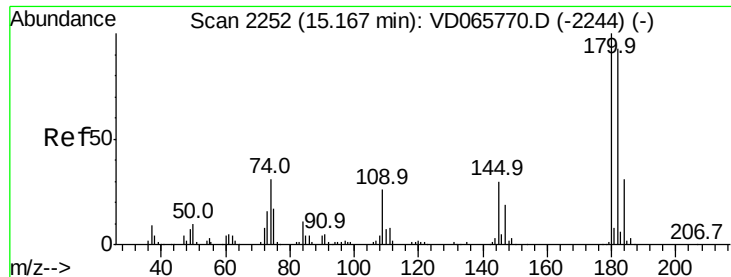
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	64.0	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.153 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	46.3	138.9
157	105.4	58.1	174.3

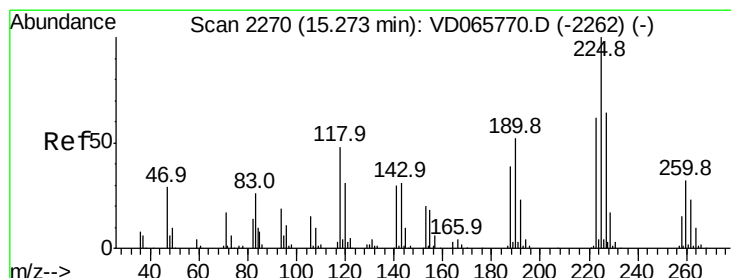
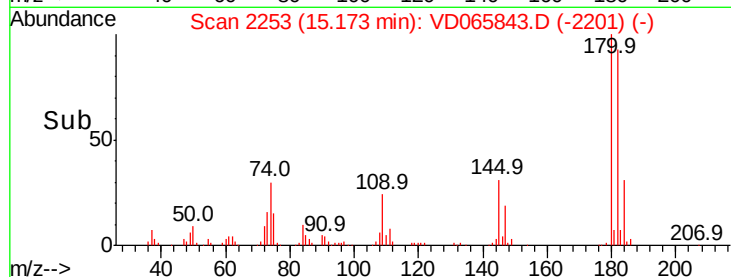
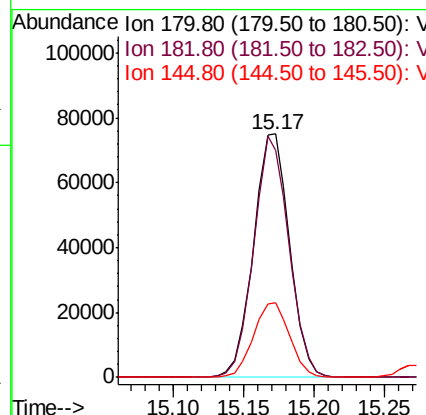
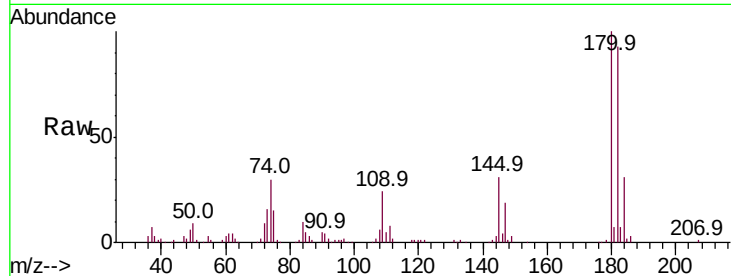




#93
 1,2,4-Trichlorobenzene
 Concen: 48.058 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

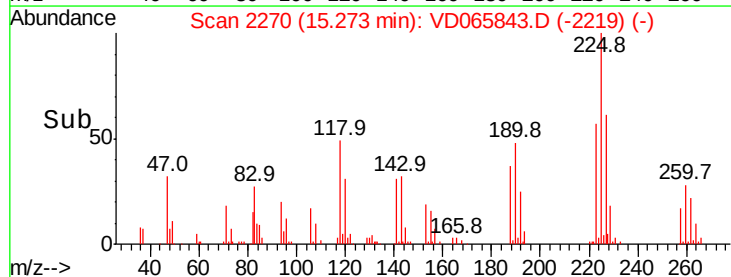
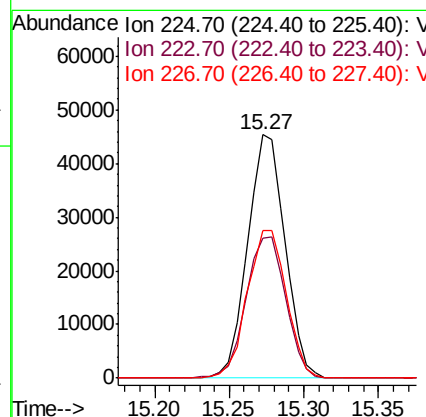
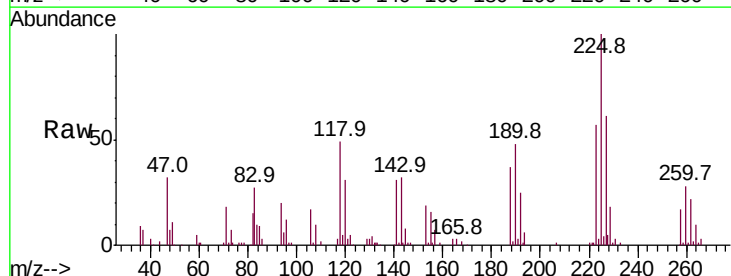
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

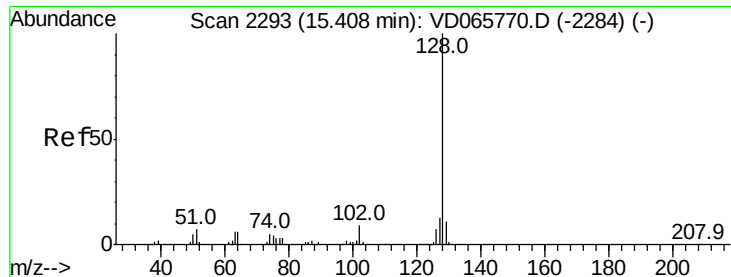
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	30.7	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 46.493 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.7
227	63.4	31.9	95.7

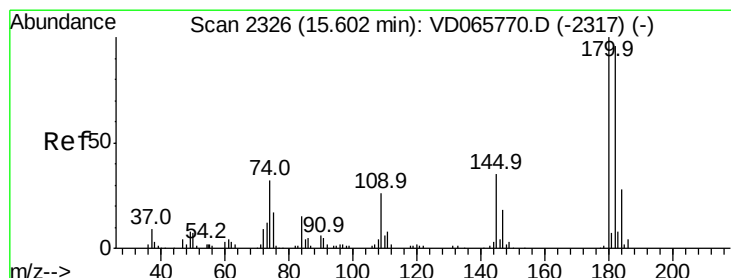
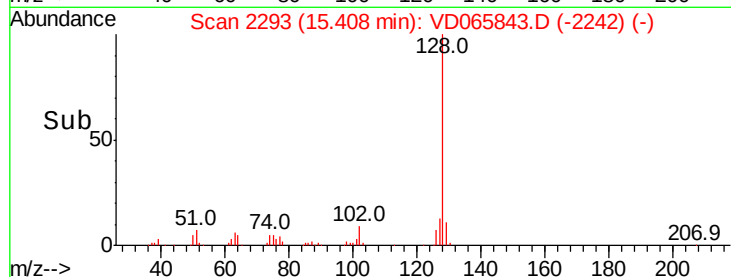
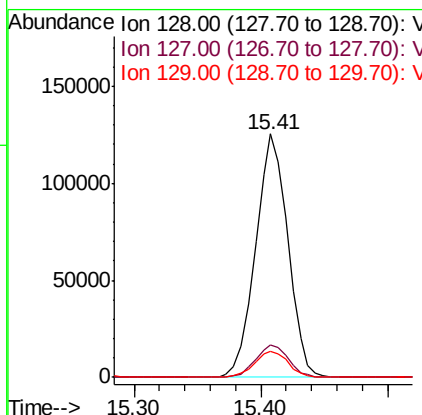
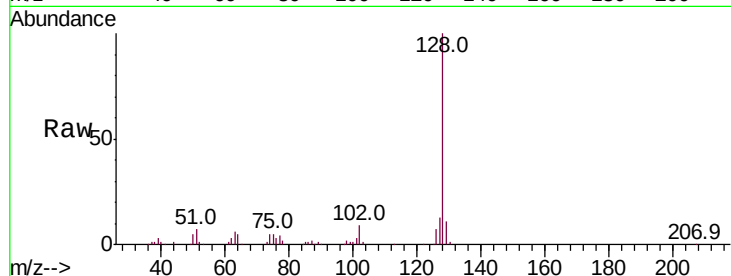




#95
Naphthalene
Concen: 46.868 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 222259
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.530 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:180 Resp: 117018
Ion Ratio Lower Upper
180 100
182 92.0 47.0 141.2
145 31.1 16.2 48.6

