

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066451.D
 Acq On : 28 Aug 2020 11:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 29 00:43:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	159298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	217667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	197907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	108166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101090	64.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.46%	
35) Dibromofluoromethane	7.91	113	77730	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
50) Toluene-d8	10.34	98	285994	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
62) 4-Bromofluorobenzene	12.63	95	100580	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66194	48.878	ug/l	97
3) Chloromethane	2.21	50	40898	42.604	ug/l	98
4) Vinyl Chloride	2.34	62	49396	47.926	ug/l	98
5) Bromomethane	2.76	94	42774	55.484	ug/l	95
6) Chloroethane	2.92	64	34705	52.586	ug/l	96
7) Trichlorofluoromethane	3.27	101	156200	55.732	ug/l	98
8) Diethyl Ether	3.70	74	31671	50.435	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.09	101	66162	47.835	ug/l	94
10) Methyl Iodide	4.30	142	78346	49.664	ug/l	93
11) Tert butyl alcohol	5.21	59	31310	370.985	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	63319	48.769	ug/l	94
13) Acrolein	3.91	56	13824	199.332	ug/l	99
14) Allyl chloride	4.71	41	75601	43.626	ug/l #	82
15) Acrylonitrile	5.41	53	60039	238.296	ug/l	97
16) Acetone	4.15	43	77754	276.155	ug/l #	88
17) Carbon Disulfide	4.40	76	175759	44.669	ug/l	98
18) Methyl Acetate	4.71	43	24893	47.106	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	174561	55.837	ug/l	98
20) Methylene Chloride	4.96	84	71857	47.434	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	74131	49.050	ug/l	94
22) Diisopropyl ether	6.36	45	151129	45.043	ug/l #	89
23) Vinyl Acetate	6.30	43	510113	245.592	ug/l	98
24) 1,1-Dichloroethane	6.26	63	112738	47.548	ug/l	98
25) 2-Butanone	7.21	43	81140	253.849	ug/l	92
26) 2,2-Dichloropropane	7.20	77	142932	56.244	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	83191	51.372	ug/l	97
28) Bromochloromethane	7.54	49	39432	48.281	ug/l	91
29) Tetrahydrofuran	7.56	42	41575	228.999	ug/l #	89
30) Chloroform	7.70	83	145556	53.059	ug/l	100
31) Cyclohexane	7.97	56	88469	40.797	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	161660	57.579	ug/l	99
36) 1,1-Dichloropropene	8.11	75	102452	51.585	ug/l	100
37) Ethyl Acetate	7.28	43	36021	53.325	ug/l #	88
38) Carbon Tetrachloride	8.09	117	154714	59.792	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118874	50.811	ug/l	93
40) Benzene	8.34	78	269710	51.622	ug/l	99
41) Methacrylonitrile	7.56	41	49798	119.545	ug/l #	66
42) 1,2-Dichloroethane	8.42	62	112056	60.895	ug/l	99
43) Isopropyl Acetate	8.45	43	70109	51.710	ug/l	98
44) Trichloroethene	9.10	130	89821	52.907	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55722	47.044	ug/l	89
46) Dibromomethane	9.47	93	40310	54.659	ug/l	97
47) Bromodichloromethane	9.66	83	117668	58.019	ug/l	95
48) Methyl methacrylate	9.45	41	32798	46.911	ug/l #	90
49) 1,4-Dioxane	9.45	88	9430	1101.211	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	167069	254.722	ug/l	99
52) Toluene	10.40	92	191926	54.220	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109980	57.150	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	112868	52.252	ug/l #	90
55) 1,1,2-Trichloroethane	10.80	97	50968	51.051	ug/l	91
56) Ethyl methacrylate	10.66	69	60426	52.283	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	85037	51.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	119888	249.761	ug/l	90
59) 2-Hexanone	10.98	43	122125	263.974	ug/l	99
60) Dibromochloromethane	11.14	129	81425	54.107	ug/l	96
61) 1,2-Dibromoethane	11.24	107	49214	50.090	ug/l	99
64) Tetrachloroethene	10.87	164	80647	53.718	ug/l	98
65) Chlorobenzene	11.67	112	211830	53.800	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	88278	54.862	ug/l	99
67) Ethyl Benzene	11.74	91	374390	54.018	ug/l	94
68) m/p-Xylenes	11.85	106	288896	109.360	ug/l	97
69) o-Xylene	12.18	106	133179	54.192	ug/l	98
70) Styrene	12.20	104	231694	54.907	ug/l	98
71) Bromoform	12.36	173	50476	55.292	ug/l #	98
73) Isopropylbenzene	12.48	105	387129	53.427	ug/l	98
74) N-amyl acetate	12.29	43	62853	48.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	46712	45.128	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	76313	100.286	ug/l #	1
77) Bromobenzene	12.76	156	97176	52.838	ug/l	95
78) n-propylbenzene	12.82	91	421793	50.768	ug/l	97
79) 2-Chlorotoluene	12.91	91	243503	51.316	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	332893	53.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17841	49.767	ug/l #	84
82) 4-Chlorotoluene	13.01	91	259772	51.672	ug/l	97
83) tert-Butylbenzene	13.23	119	288198	53.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	330717	53.819	ug/l	97
85) sec-Butylbenzene	13.40	105	375648	52.761	ug/l	99
86) p-Isopropyltoluene	13.52	119	369684	53.849	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	181322	52.817	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	180137	52.259	ug/l	99
89) n-Butylbenzene	13.84	91	308208	50.875	ug/l	99
90) Hexachloroethane	14.11	117	67406	49.704	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	157841	53.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12209	56.237	ug/l	88

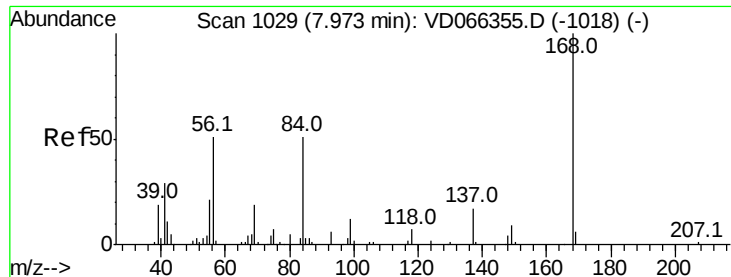
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123291	53.437	ug/l	99
94) Hexachlorobutadiene	15.27	225	80548	56.178	ug/l	95
95) Naphthalene	15.41	128	202245	55.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106161	53.713	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

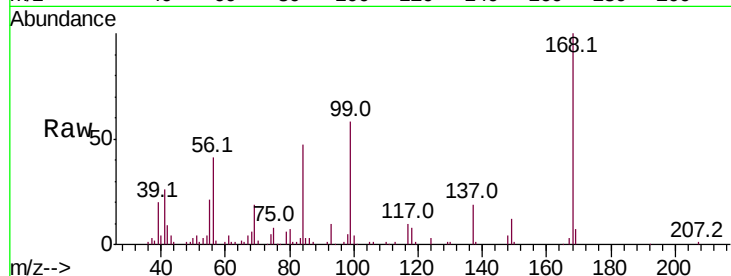
VSTDCCC050

Tot Ion:168 Resp: 159298

Ion Ratio Lower Upper

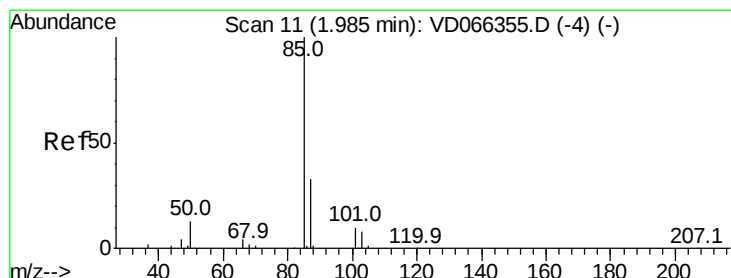
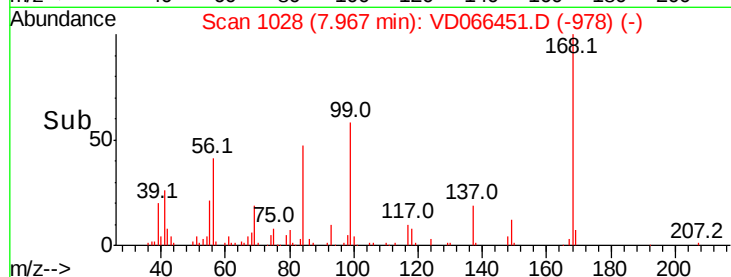
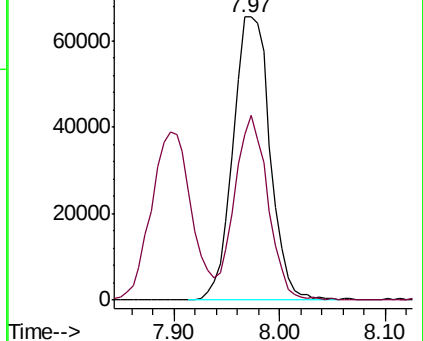
168 100

99 58.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.878 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066451.D

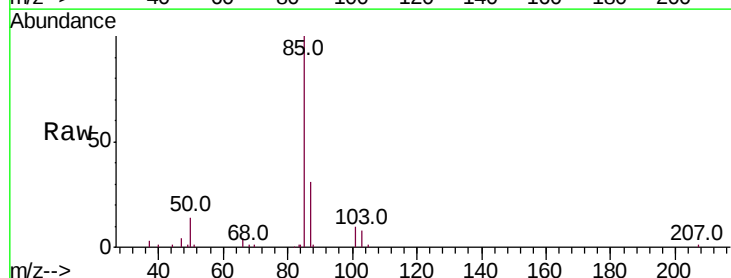
Acq: 28 Aug 2020 11:03

Tgt Ion: 85 Resp: 66194

Ion Ratio Lower Upper

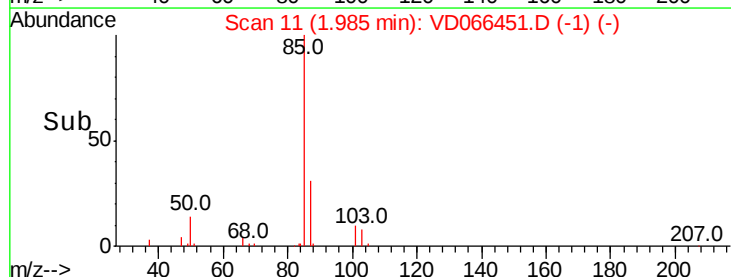
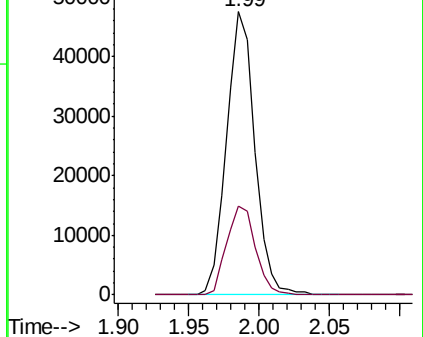
85 100

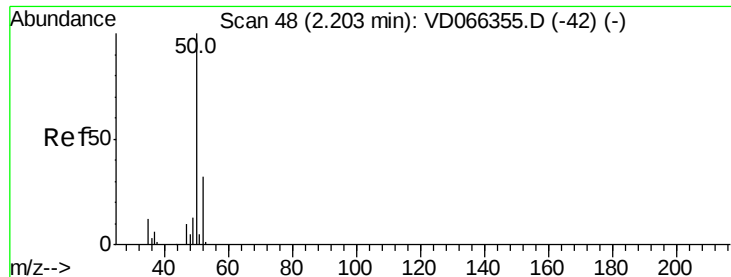
87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.604 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

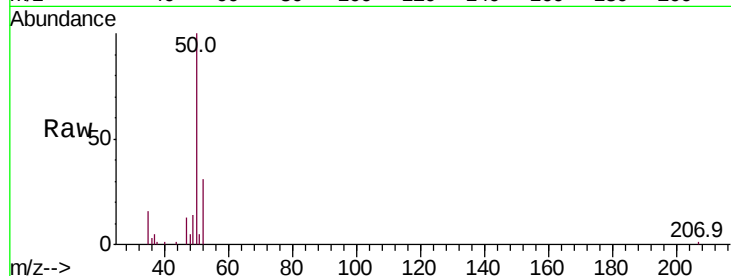
VSTDCCC050

Tot Ion: 50 Resp: 40898

Ion Ratio Lower Upper

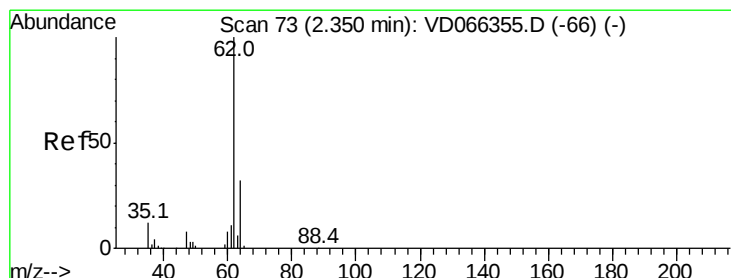
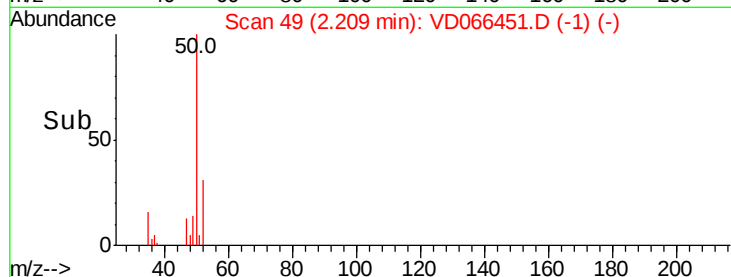
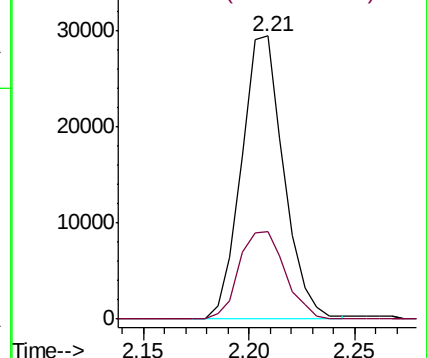
50 100

52 31.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.926 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066451.D

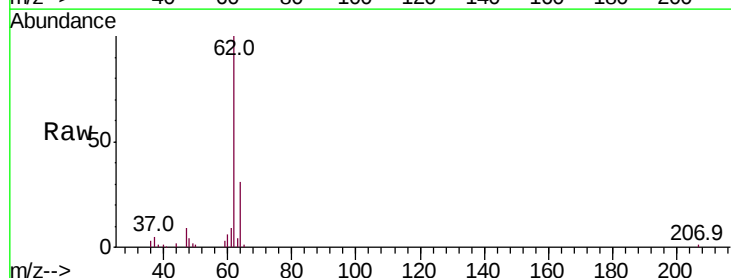
Acq: 28 Aug 2020 11:03

Tgt Ion: 62 Resp: 49396

Ion Ratio Lower Upper

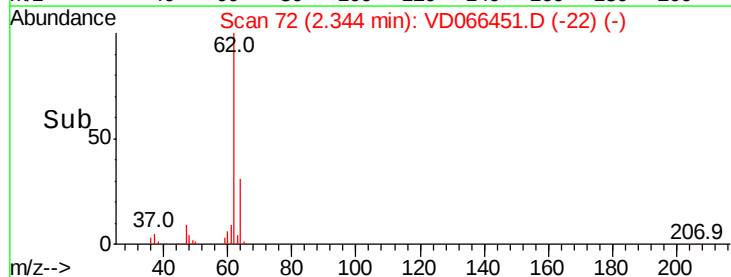
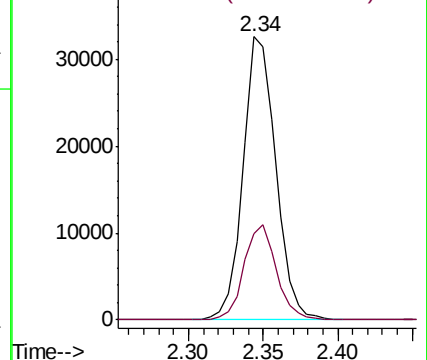
62 100

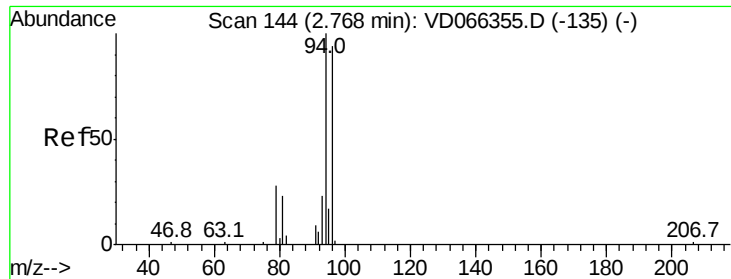
64 30.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 55.484 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

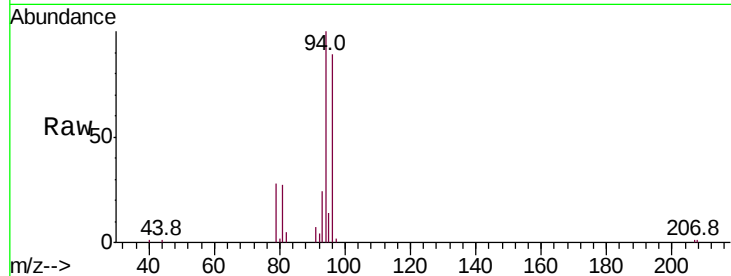
VSTDCCC050

Tot Ion: 94 Resp: 42774

Ion Ratio Lower Upper

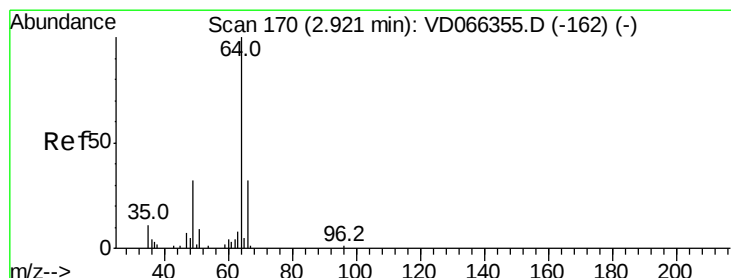
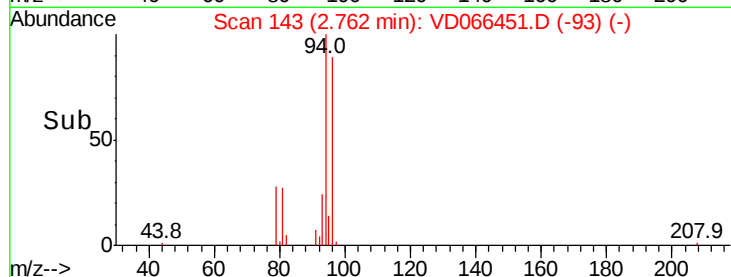
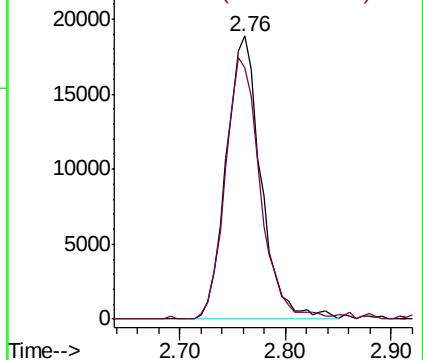
94 100

96 88.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.586 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066451.D

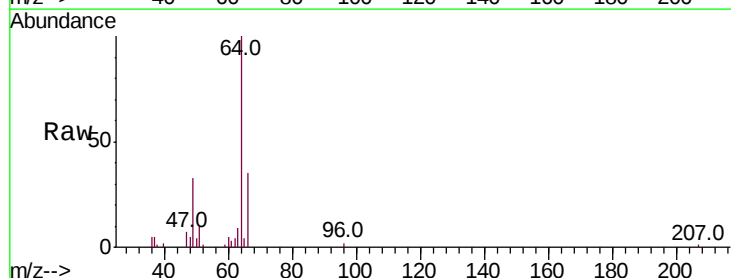
Acq: 28 Aug 2020 11:03

Tgt Ion: 64 Resp: 34705

Ion Ratio Lower Upper

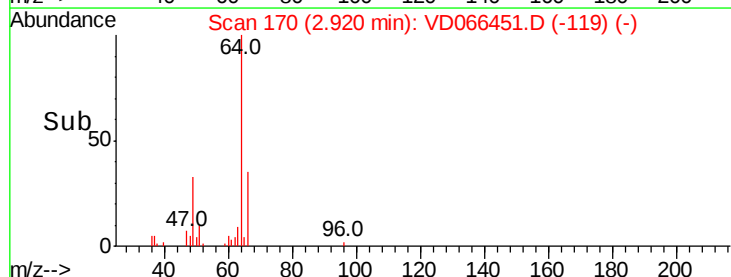
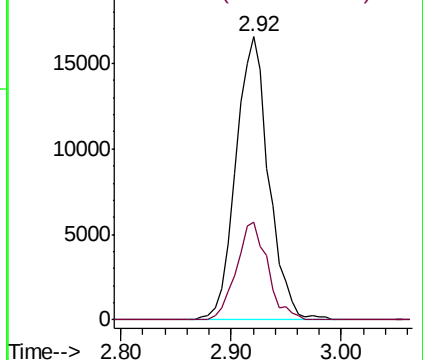
64 100

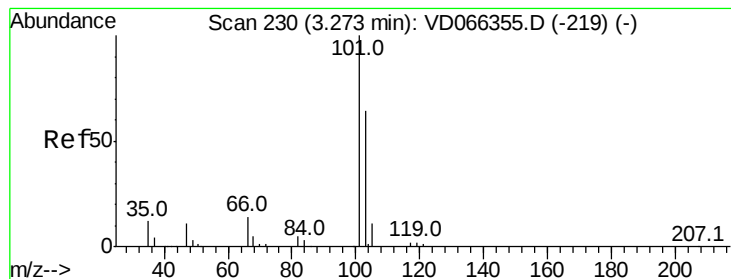
66 34.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



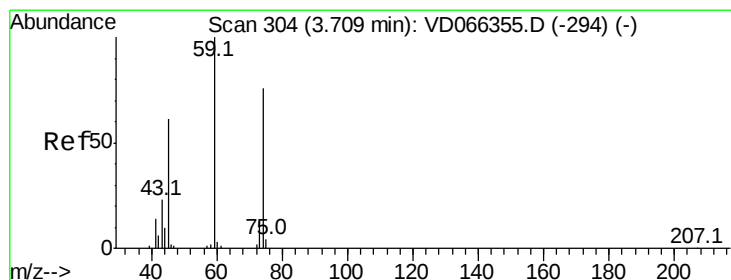
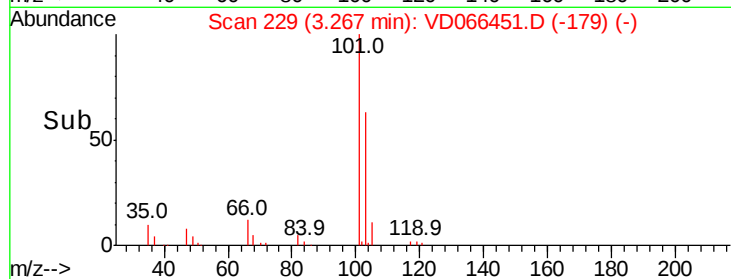
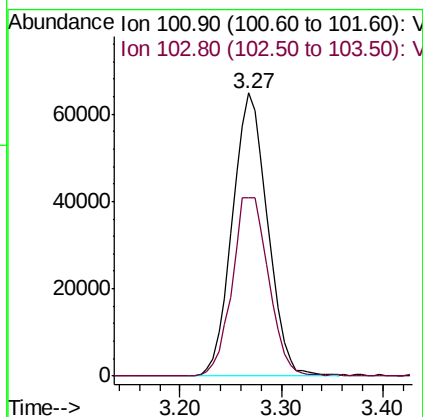
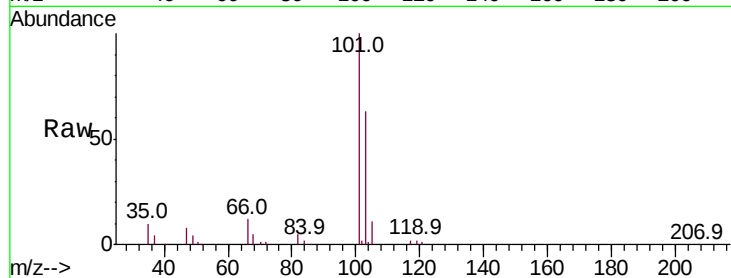


#7

Trichlorofluoromethane
 Concen: 55.732 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Instrument :
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 VSTDCCC050

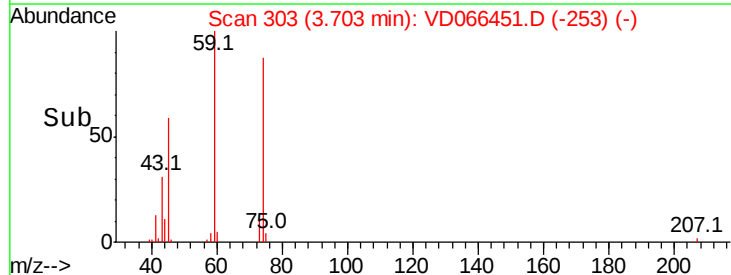
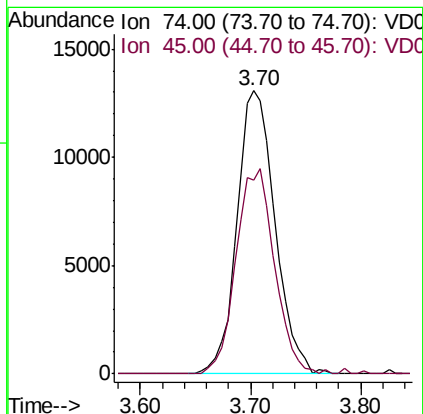
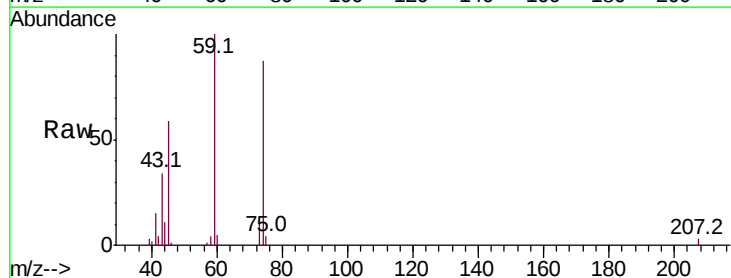
Tot Ion:101 Resp: 156200
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.4 77.0

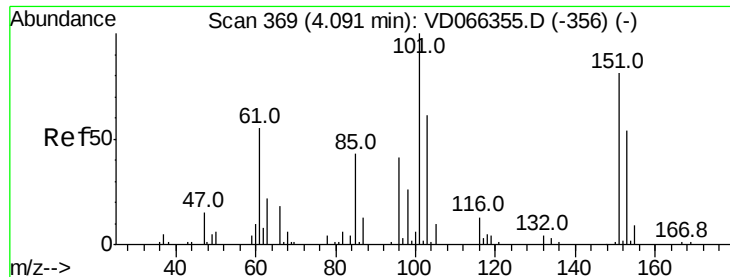


#8

Diethyl Ether
 Concen: 50.435 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion: 74 Resp: 31671
 Ion Ratio Lower Upper
 74 100
 45 73.0 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.835 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

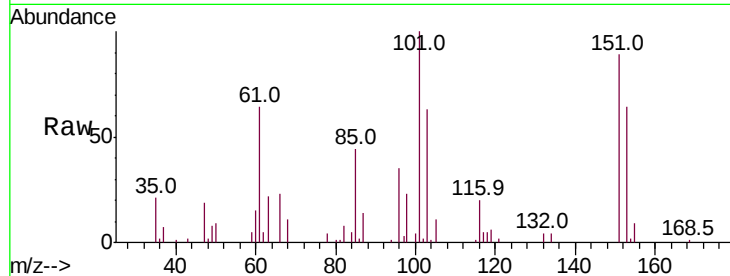
Tot Ion:101 Resp: 66162

Ion Ratio Lower Upper

101 100

85 50.4 36.4 54.6

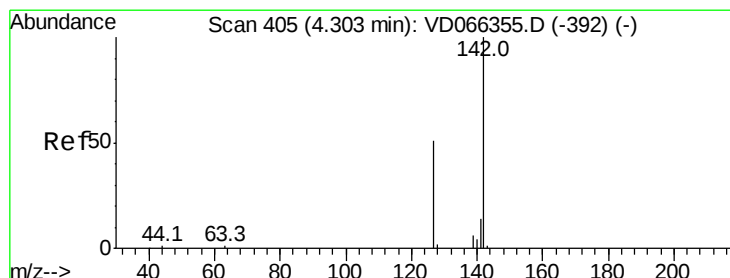
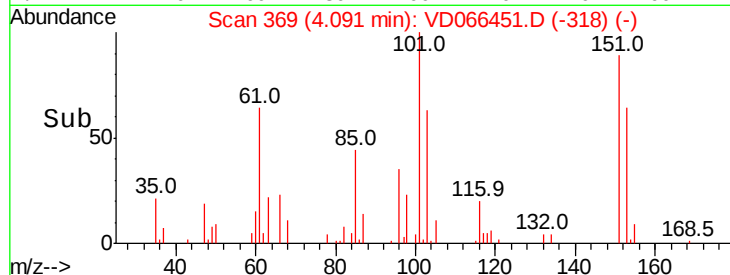
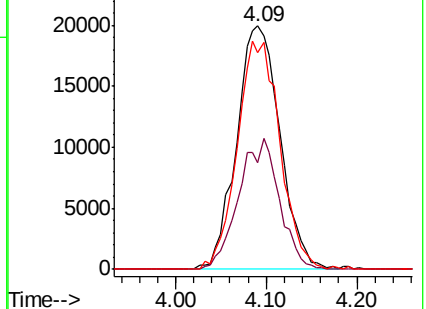
151 92.3 70.5 105.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.664 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

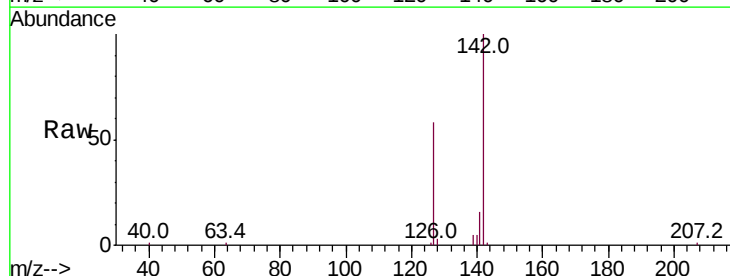
Tgt Ion:142 Resp: 78346

Ion Ratio Lower Upper

142 100

127 57.6 41.8 62.8

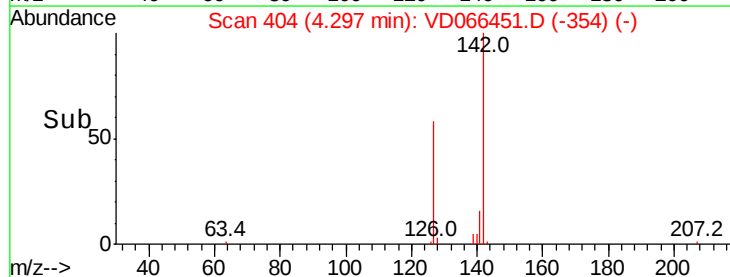
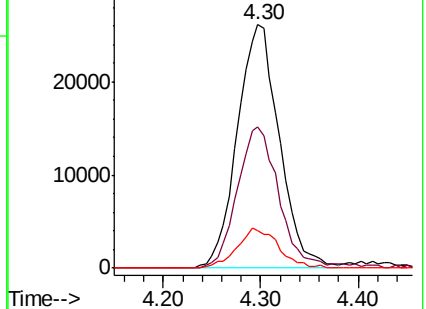
141 16.1 11.8 17.6

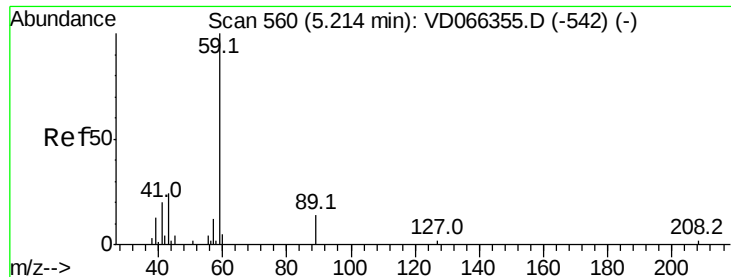


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 370.985 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

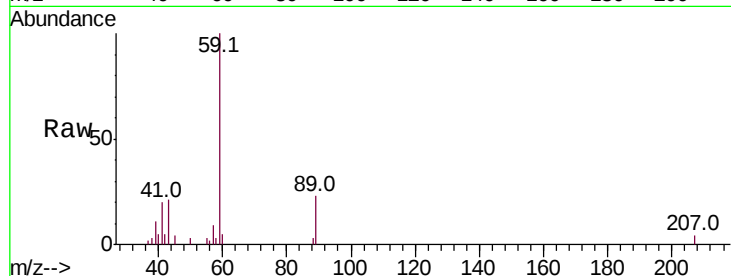
VSTDCCC050

Tot Ion: 59 Resp: 31310

Ion Ratio Lower Upper

59 100

57 8.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

8000

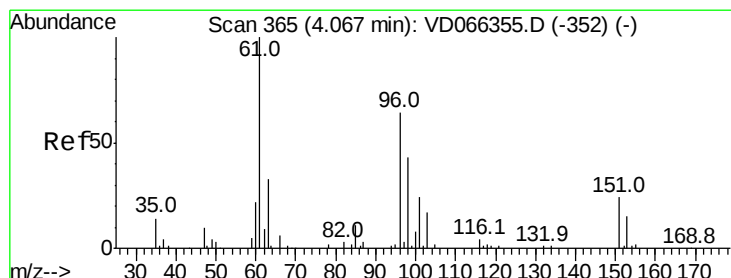
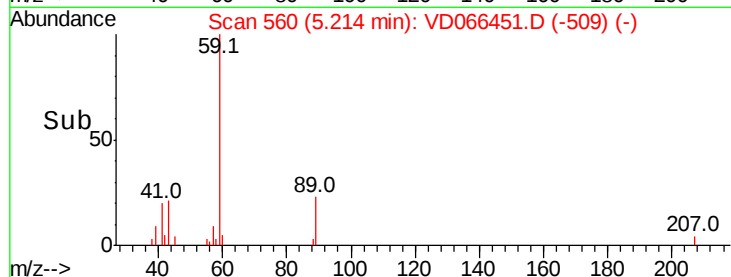
6000

4000

2000

0

Time--> 5.00 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 48.769 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

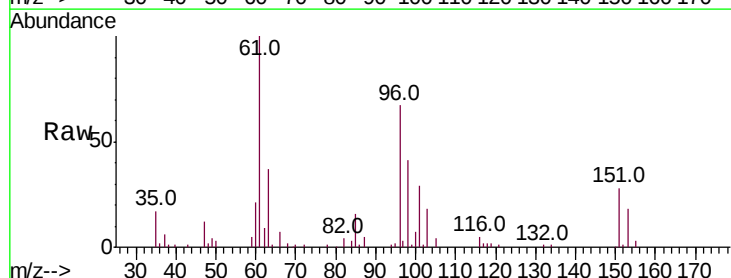
Tgt Ion: 96 Resp: 63319

Ion Ratio Lower Upper

96 100

61 148.6 124.3 186.5

98 61.5 53.2 79.8



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

50000

40000

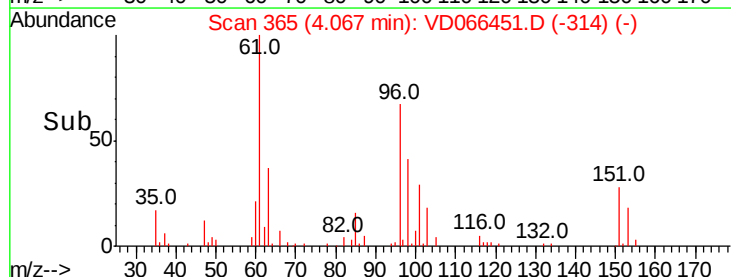
30000

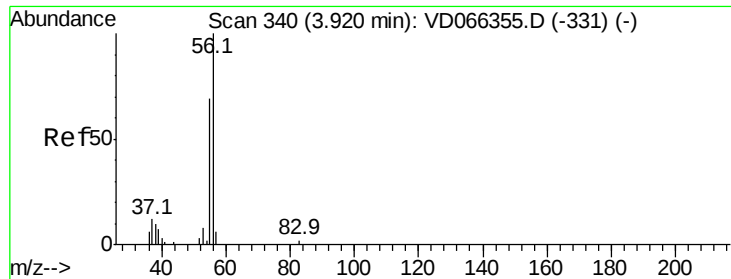
20000

10000

0

Time--> 4.00 4.10 4.20





#13

Acrolein

Concen: 199.332 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

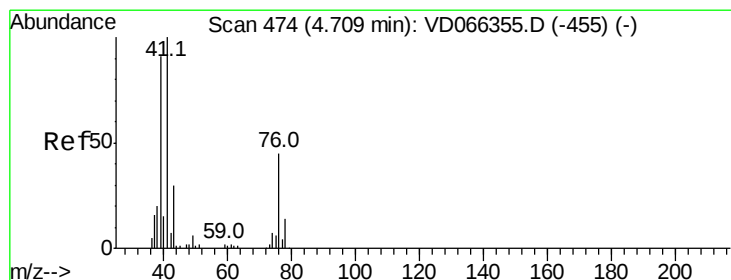
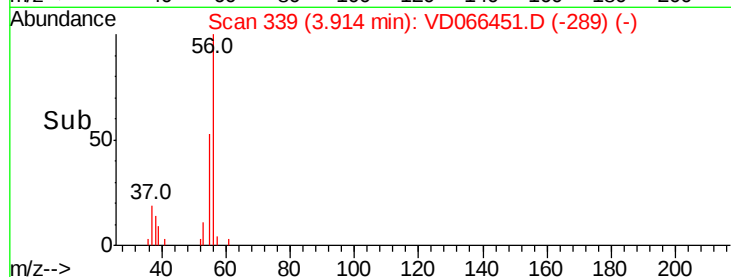
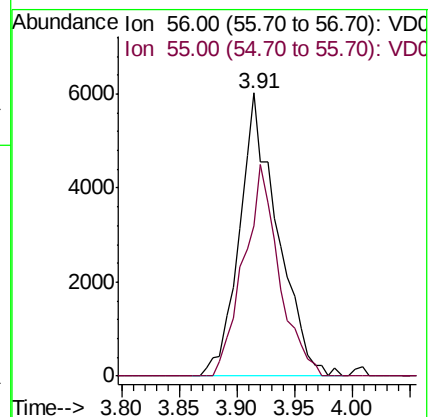
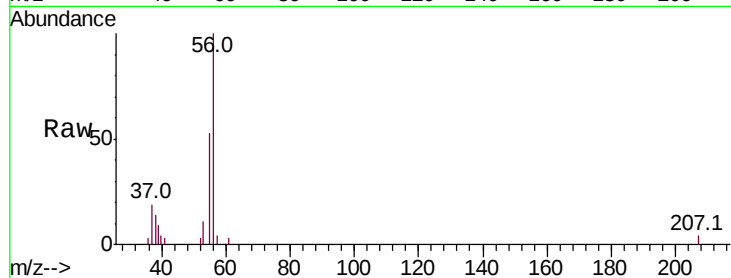
VSTDCCC050

Tot Ion: 56 Resp: 13824

Ion Ratio Lower Upper

56 100

55 68.9 55.5 83.3



#14

Allyl chloride

Concen: 43.626 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

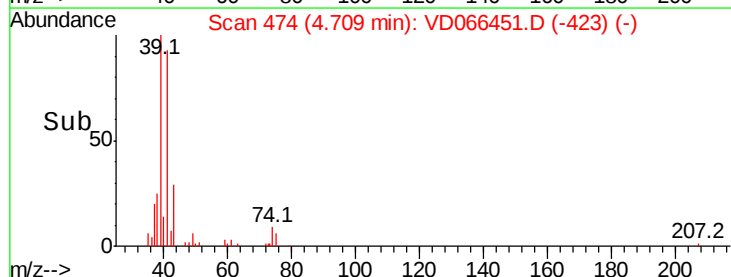
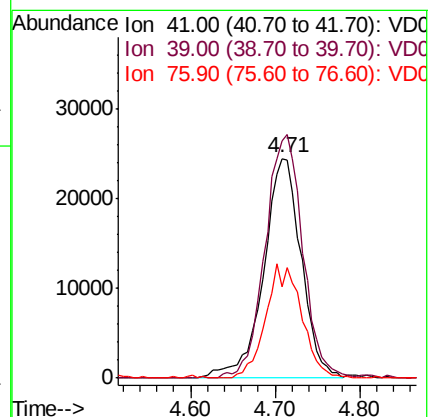
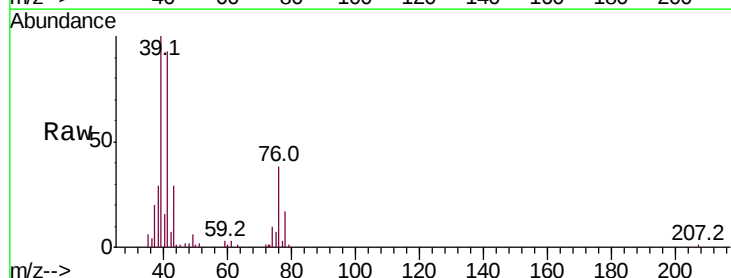
Tgt Ion: 41 Resp: 75601

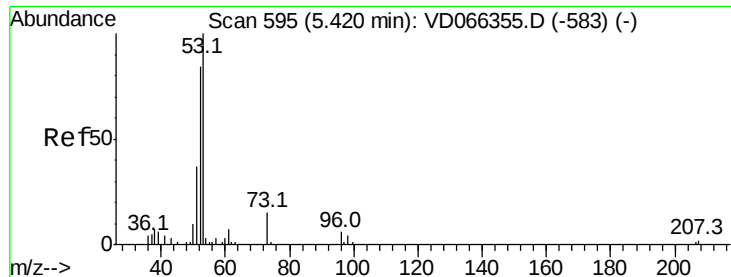
Ion Ratio Lower Upper

41 100

39 110.9 72.8 109.2#

76 49.4 34.0 51.0





#15

Acrylonitrile

Concen: 238.296 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

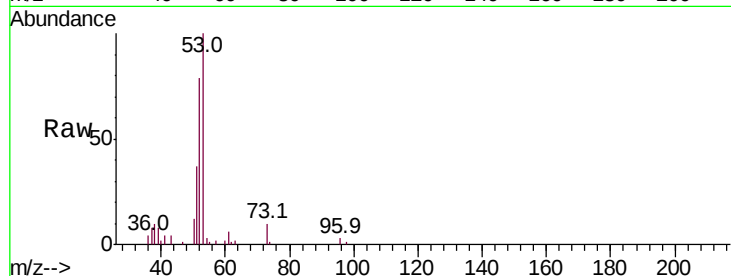
Tot Ion: 53 Resp: 60039

Ion Ratio Lower Upper

53 100

52 80.8 68.1 102.1

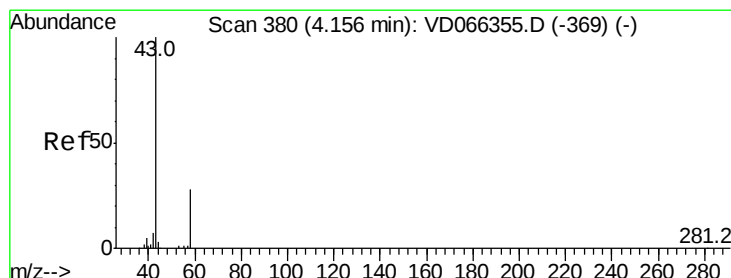
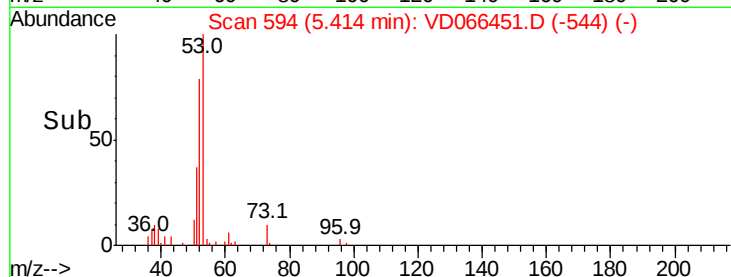
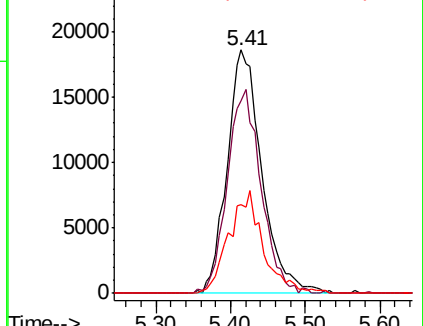
51 41.6 33.8 50.6



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: 276.155 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066451.D

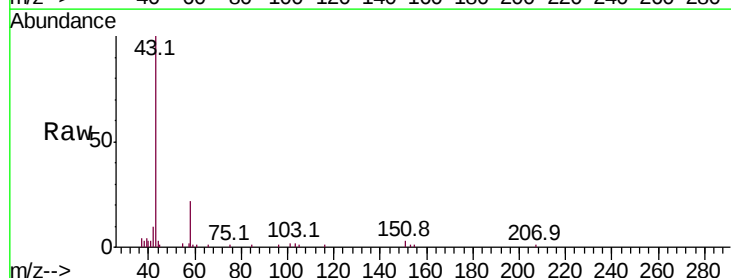
Acq: 28 Aug 2020 11:03

Tgt Ion: 43 Resp: 77754

Ion Ratio Lower Upper

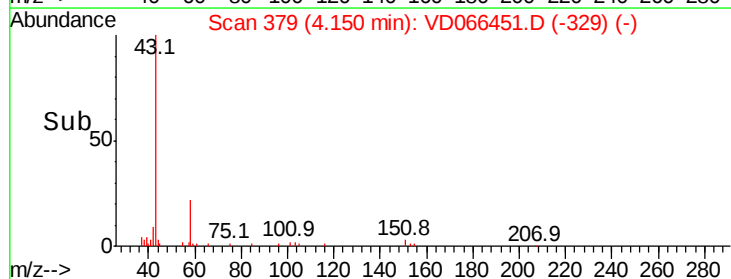
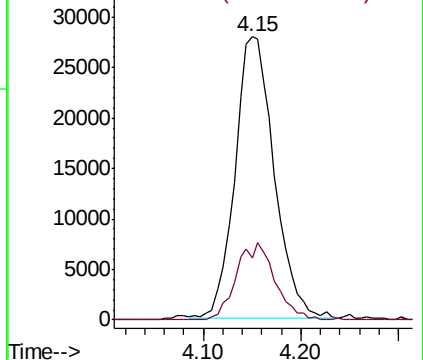
43 100

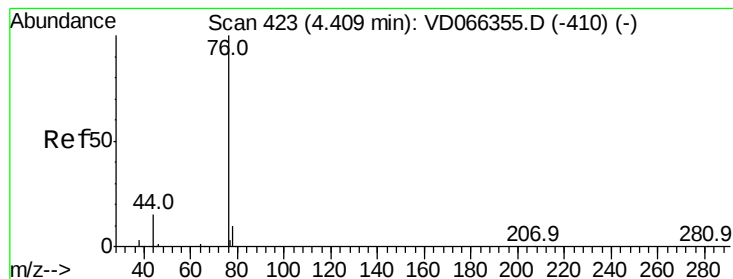
58 22.2 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 44.669 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

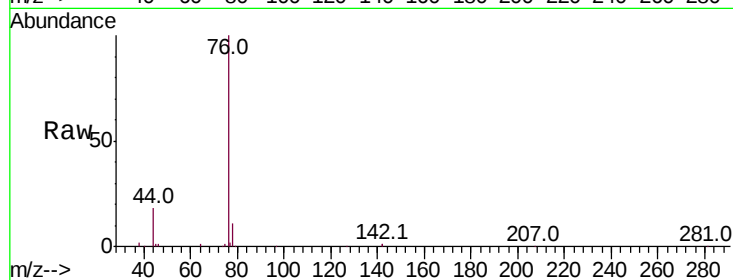
VSTDCCC050

Tot Ion: 76 Resp: 175759

Ion Ratio Lower Upper

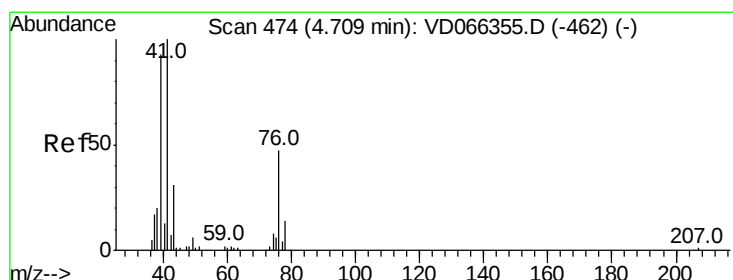
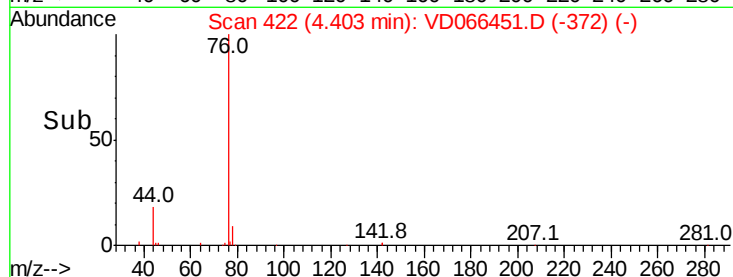
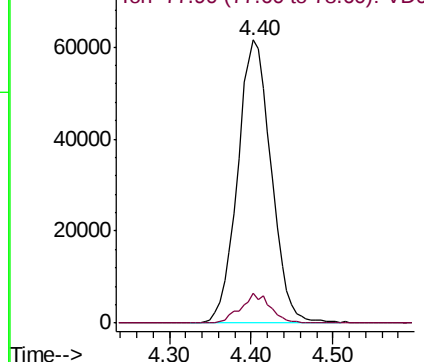
76 100

78 10.5 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.106 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066451.D

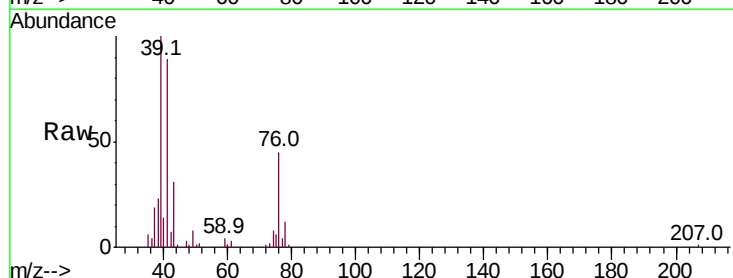
Acq: 28 Aug 2020 11:03

Tgt Ion: 43 Resp: 24893

Ion Ratio Lower Upper

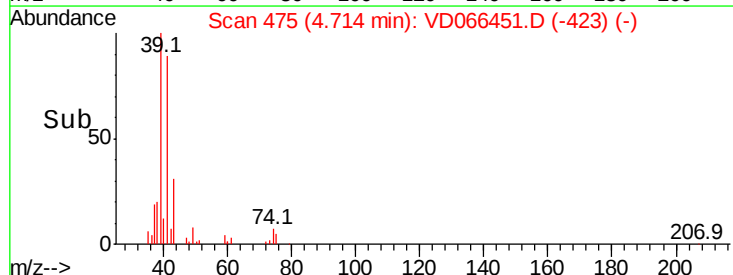
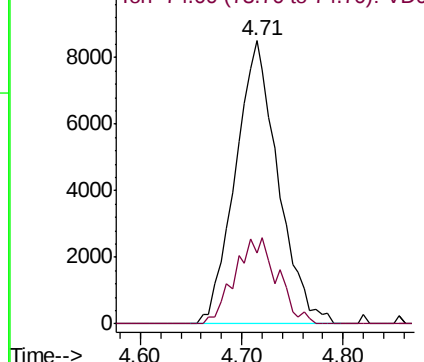
43 100

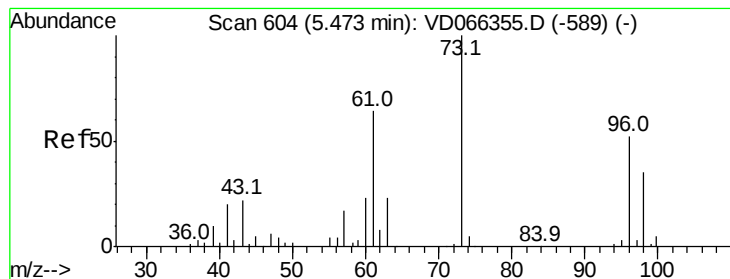
74 30.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



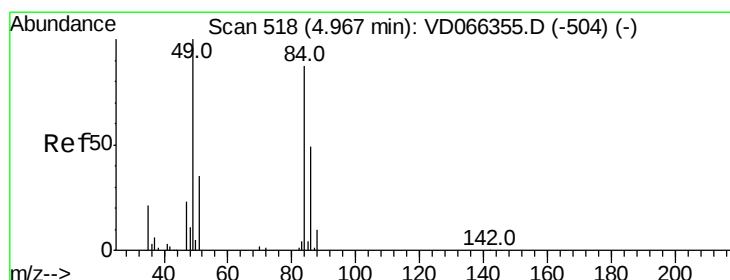
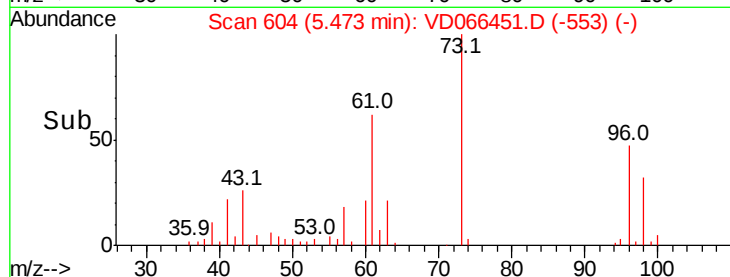
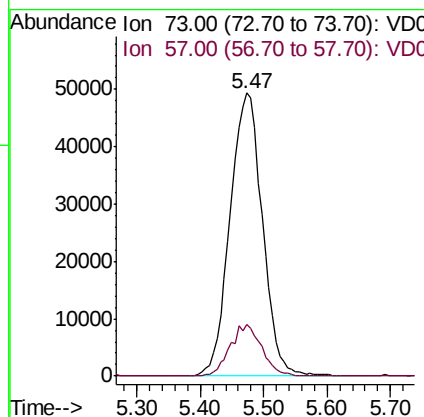
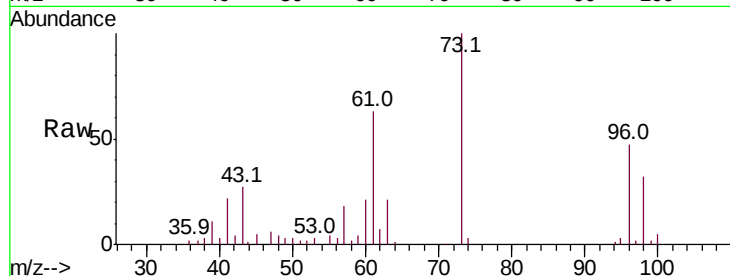


#19

Methyl tert-butyl Ether
Concen: 55.837 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

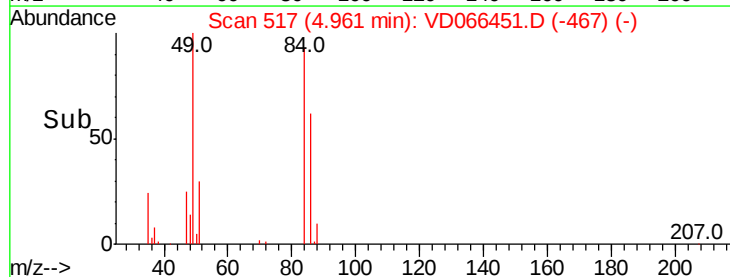
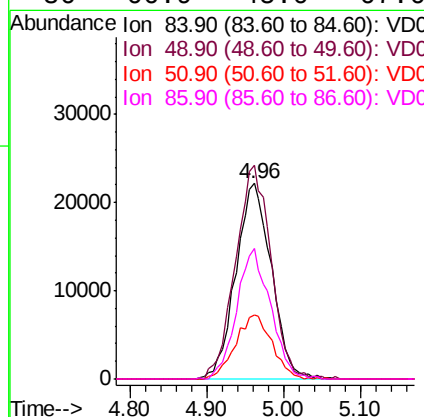
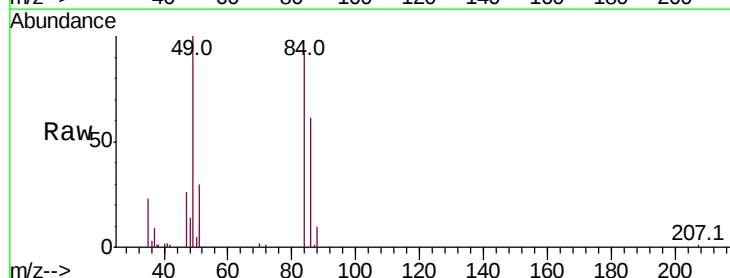
Tot Ion: 73 Resp: 174561
Ion Ratio Lower Upper
73 100
57 18.1 13.8 20.6

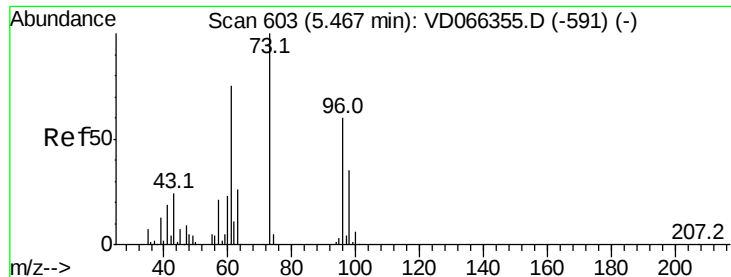


#20

Methylene Chloride
Concen: 47.434 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 84 Resp: 71857
Ion Ratio Lower Upper
84 100
49 109.2 92.5 138.7
51 32.8 32.5 48.7
86 66.9 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 49.050 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

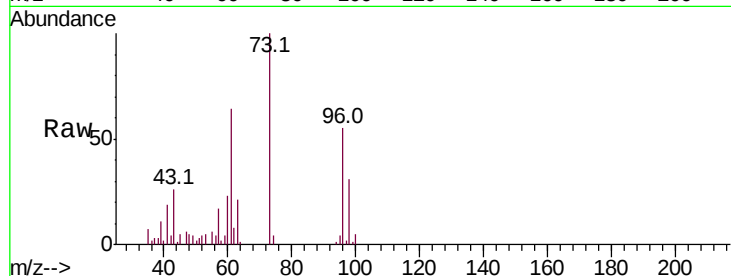
Tot Ion: 96 Resp: 74131

Ion Ratio Lower Upper

96 100

61 117.5 101.1 151.7

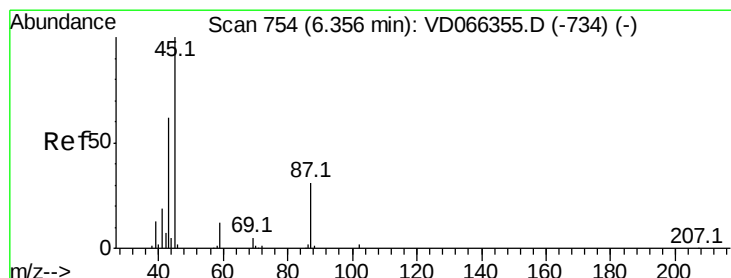
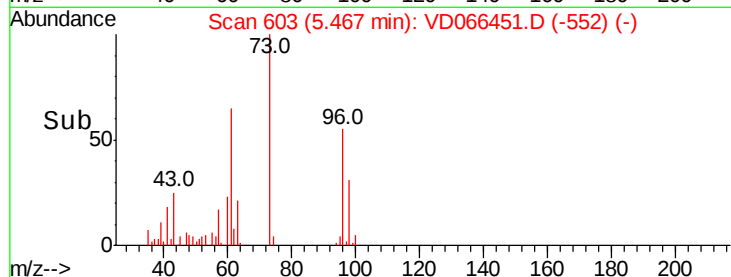
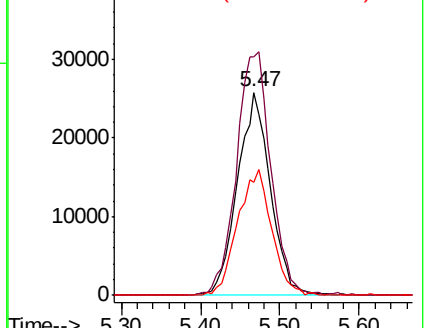
98 56.0 47.0 70.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 45.043 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Tgt Ion: 45 Resp: 151129

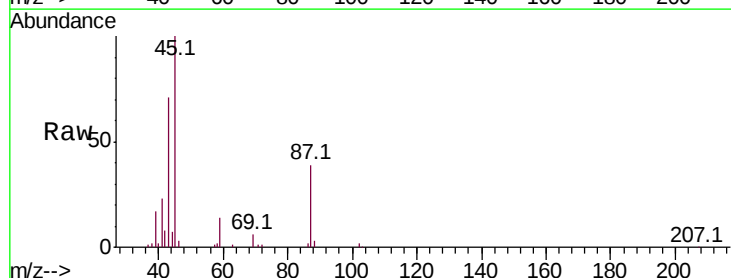
Ion Ratio Lower Upper

45 100

43 70.1 49.8 74.8

87 39.3 25.0 37.6#

59 13.8 9.6 14.4

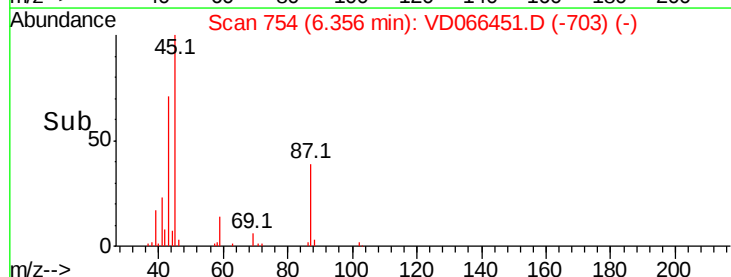
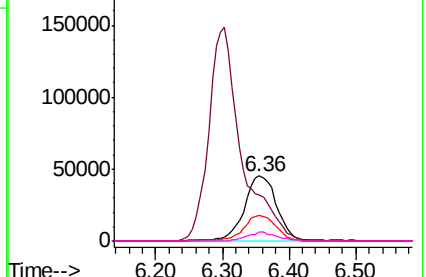


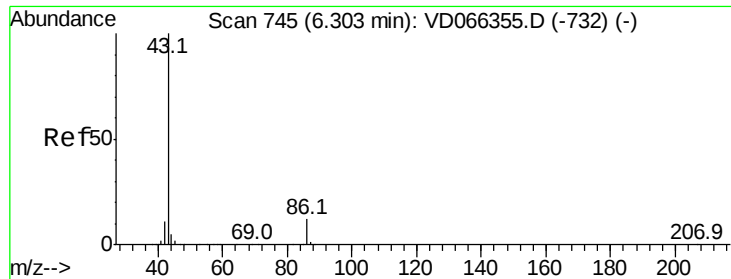
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

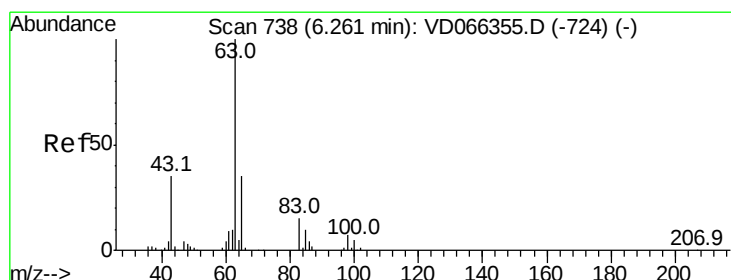
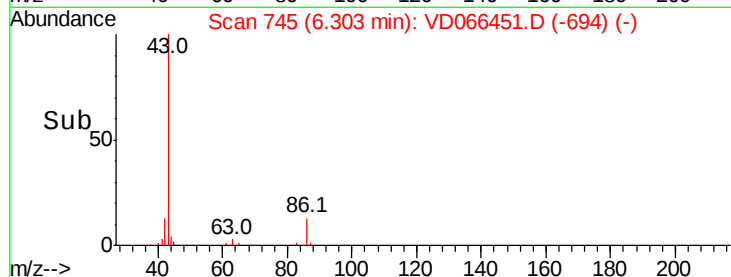
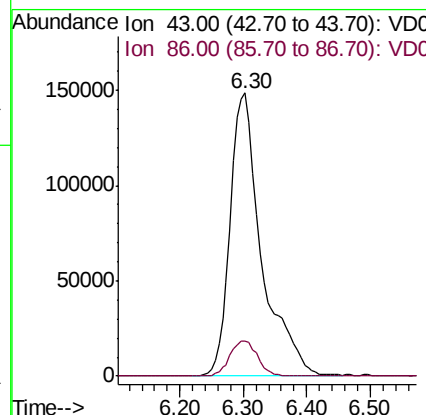
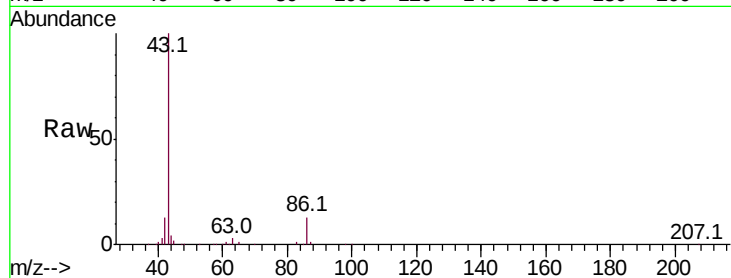




#23
 Vinyl Acetate
 Concen: 245.592 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

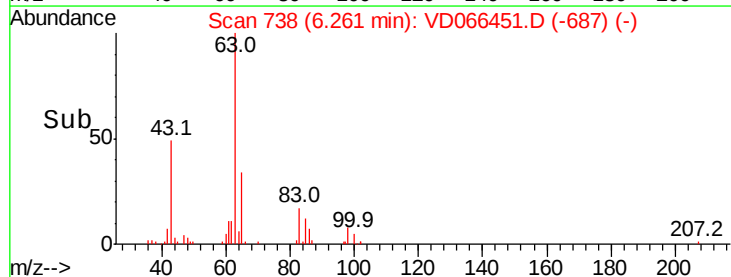
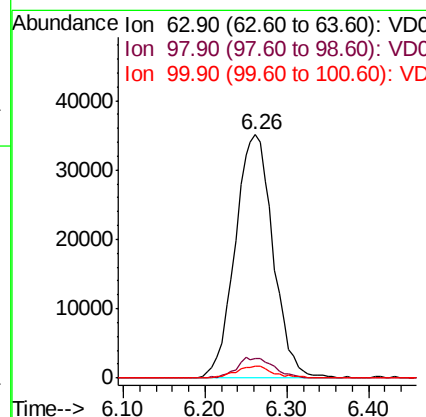
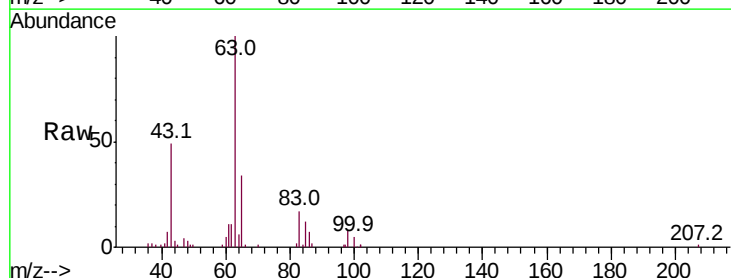
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

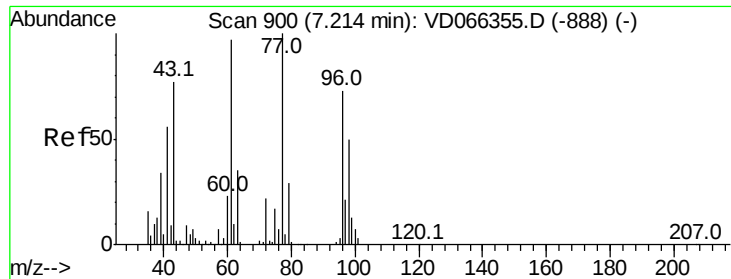
Tot Ion: 43 Resp: 510113
 Ion Ratio Lower Upper
 43 100
 86 12.6 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 47.548 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion: 63 Resp: 112738
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.6
 100 4.9 2.5 7.6





#25

2-Butanone

Concen: 253.849 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

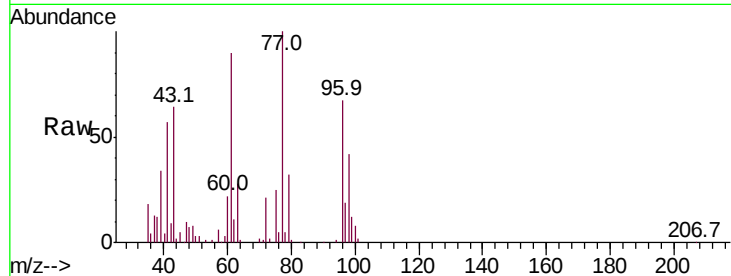
VSTDCCC050

Tot Ion: 43 Resp: 81140

Ion Ratio Lower Upper

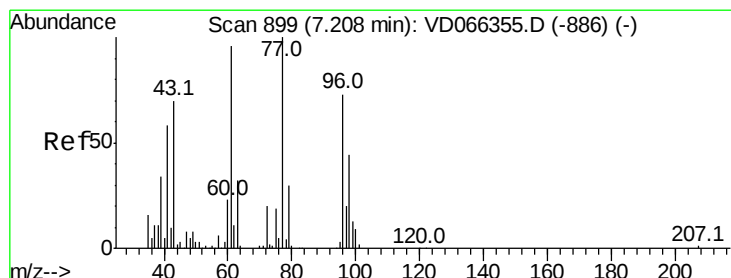
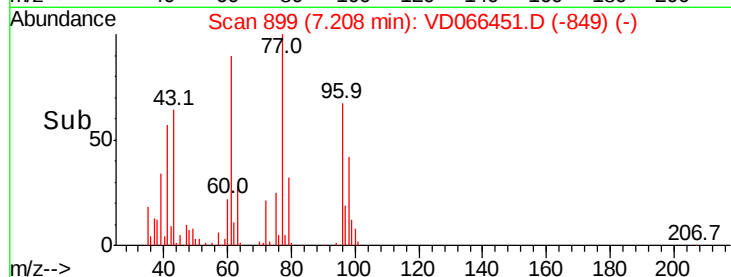
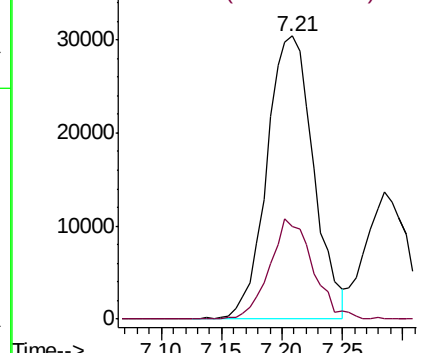
43 100

72 32.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.244 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066451.D

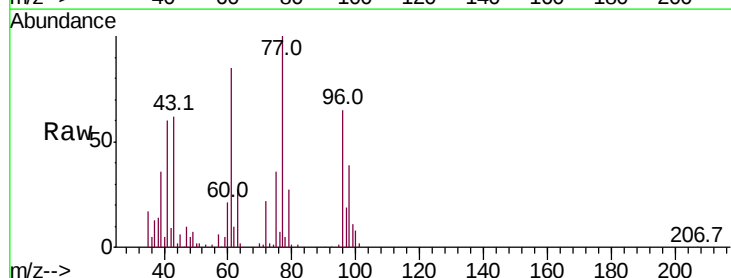
Acq: 28 Aug 2020 11:03

Tgt Ion: 77 Resp: 142932

Ion Ratio Lower Upper

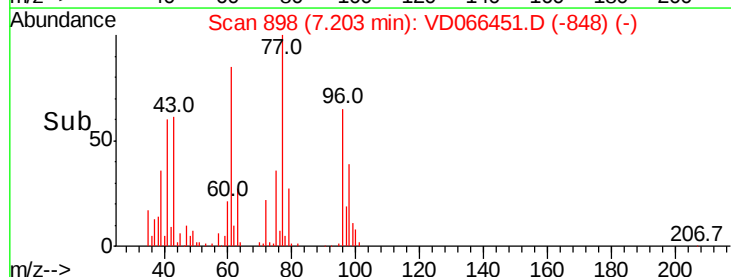
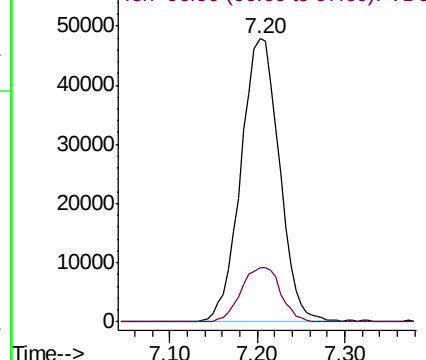
77 100

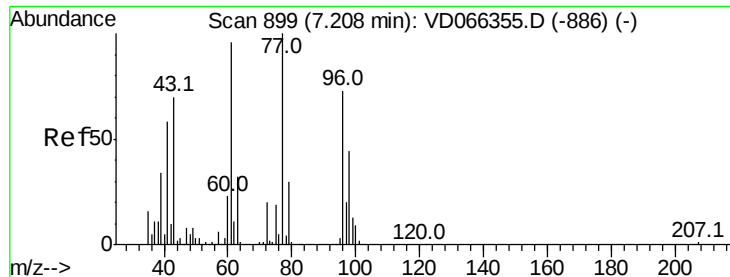
97 19.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



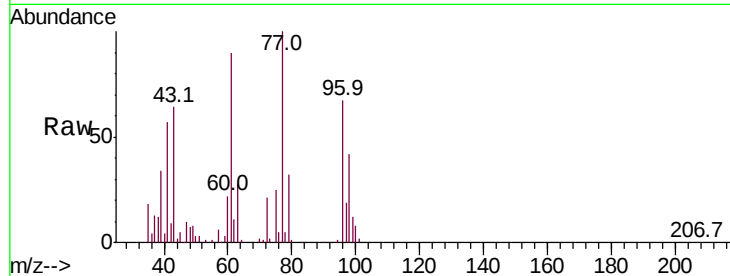


#27

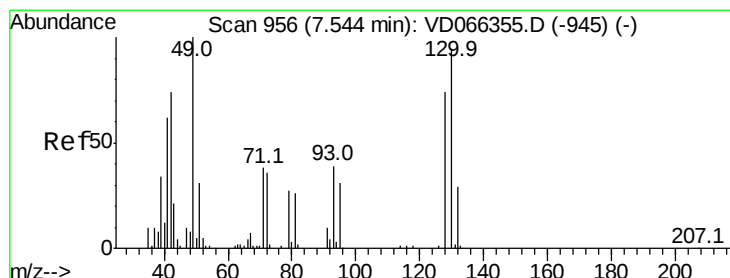
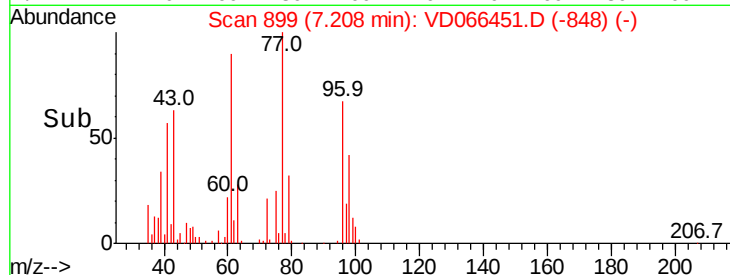
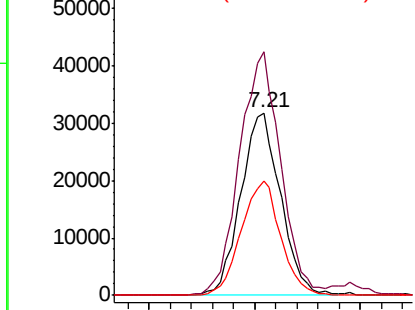
cis-1,2-Dichloroethene
 Concen: 51.372 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 83191
 Ion Ratio Lower Upper
 96 100
 61 137.8 0.0 281.4
 98 62.0 0.0 132.2



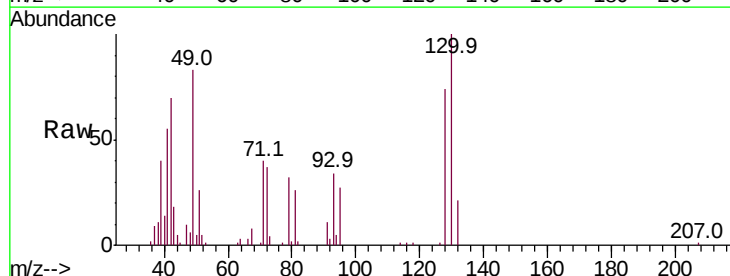
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



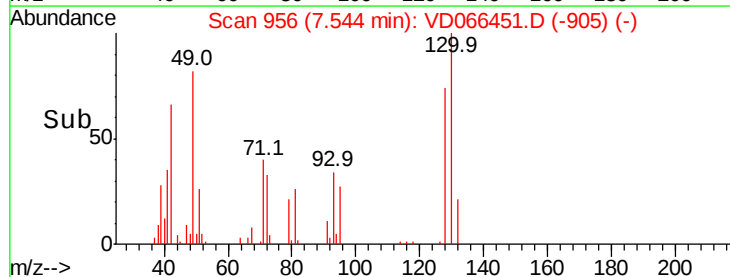
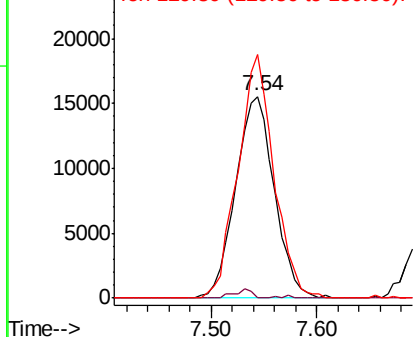
#28

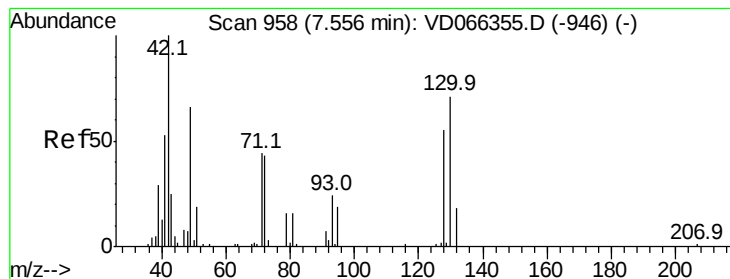
Bromochloromethane
 Concen: 48.281 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion: 49 Resp: 39432
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.0
 130 112.1 82.6 124.0



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





#29

Tetrahydrofuran

Concen: 228.999 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

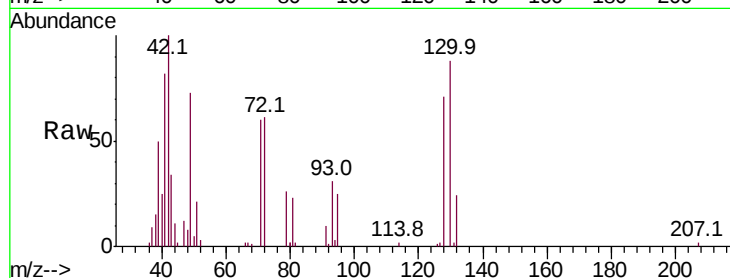
Tot Ion: 42 Resp: 41575

Ion Ratio Lower Upper

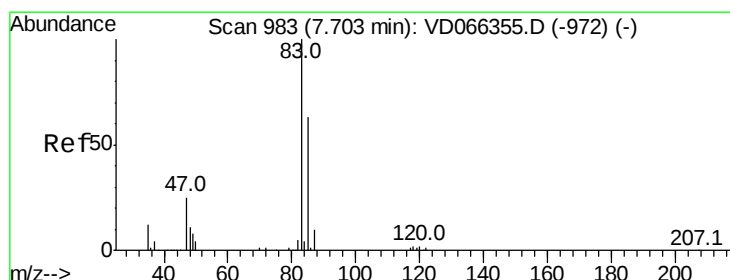
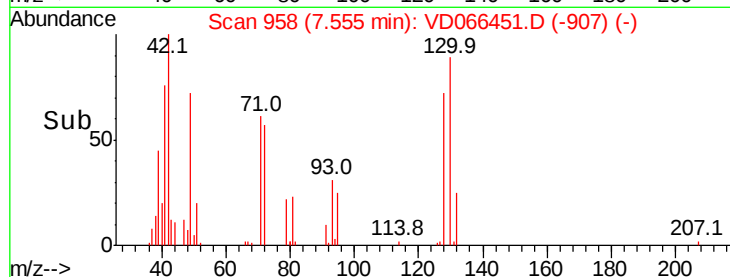
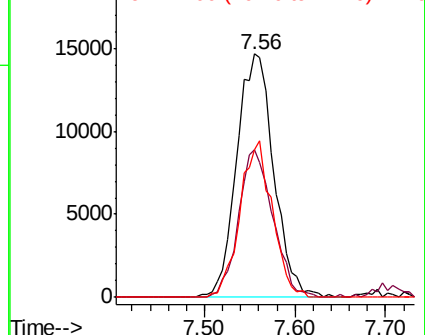
42 100

72 56.6 41.0 61.4

71 56.1 37.2 55.8#



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



#30

Chloroform

Concen: 53.059 ug/l

RT: 7.70 min Scan# 983

Delta R.T. -0.00 min

Lab File: VD066451.D

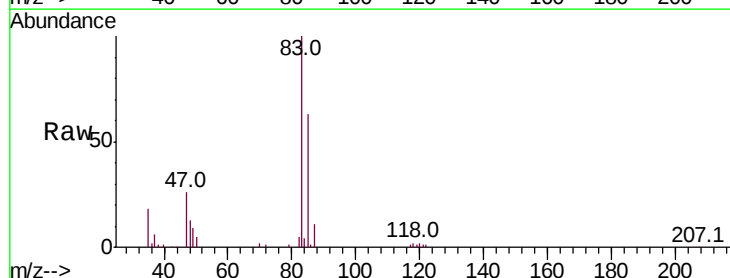
Acq: 28 Aug 2020 11:03

Tgt Ion: 83 Resp: 145556

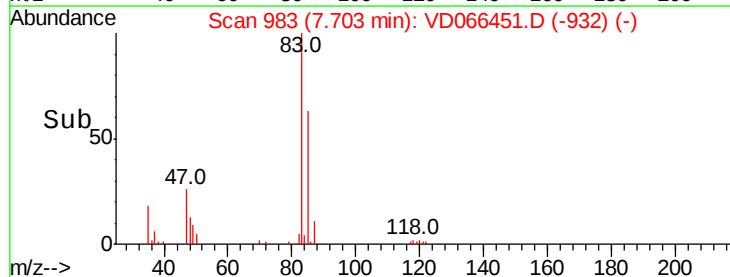
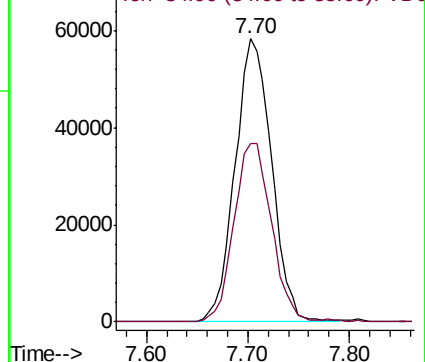
Ion Ratio Lower Upper

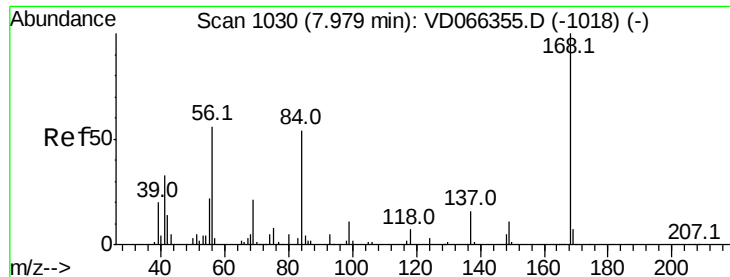
83 100

85 63.1 50.3 75.5



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

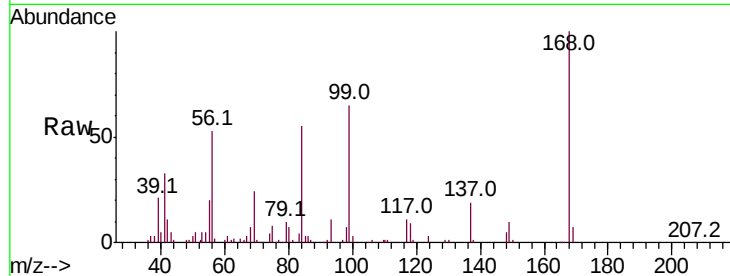




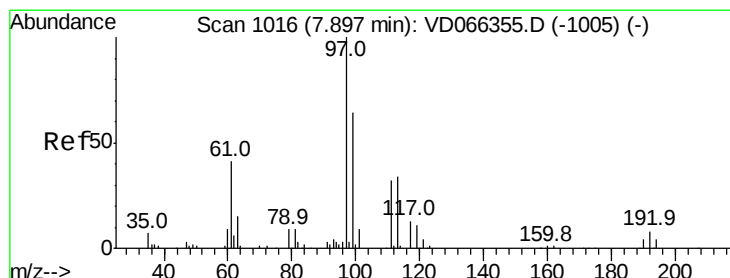
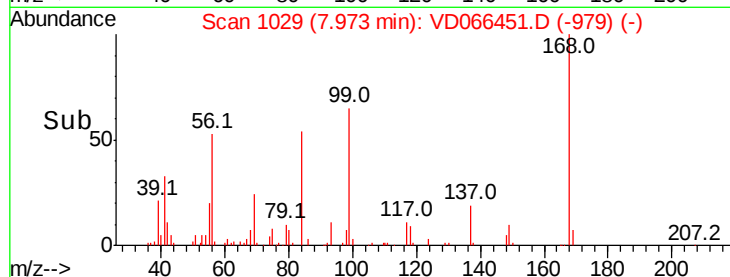
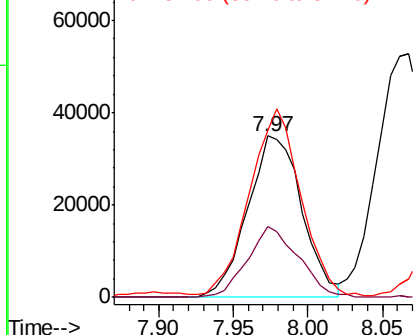
#31
Cyclohexane
Concen: 40.797 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 88469
Ion Ratio Lower Upper
56 100
69 43.5 29.6 44.4
84 101.4 76.6 115.0

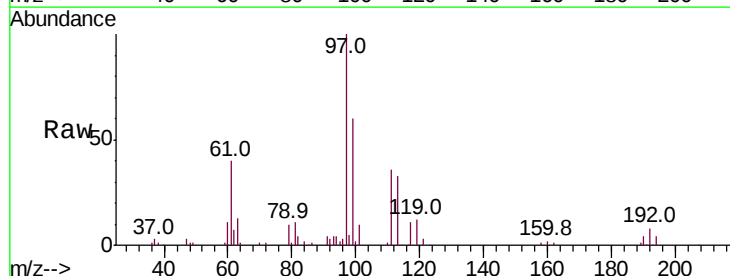


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

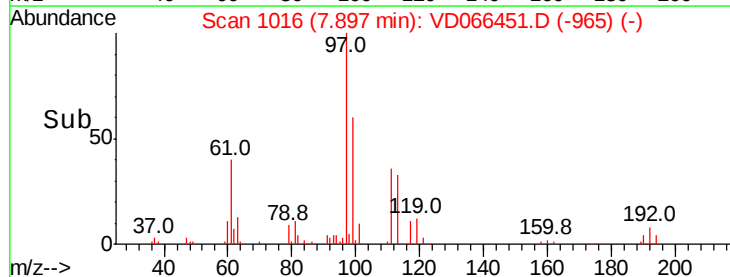
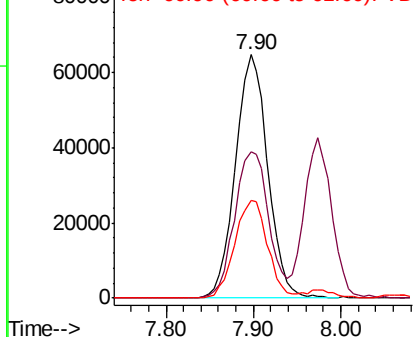


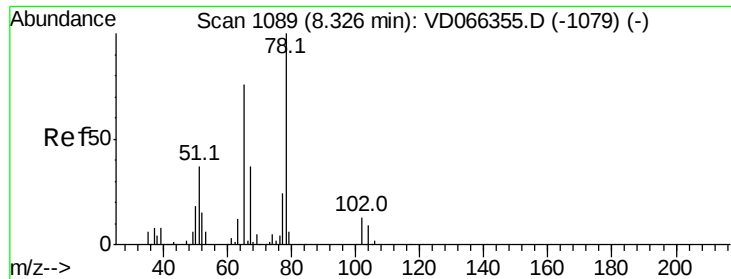
#32
1,1,1-Trichloroethane
Concen: 57.579 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 97 Resp: 161660
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 40.9 33.3 49.9



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





#33

1,2-Dichloroethane-d4

Concen: 64.729 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

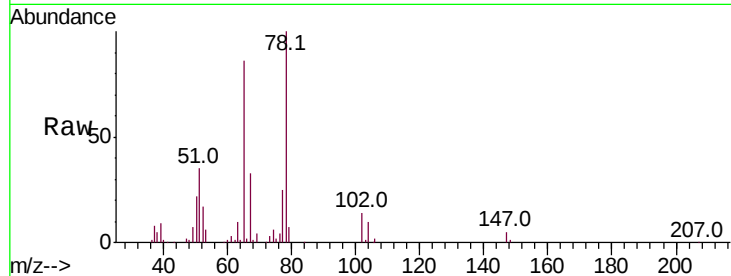
VSTDCCC050

Tot Ion: 65 Resp: 101090

Ion Ratio Lower Upper

65 100

67 43.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

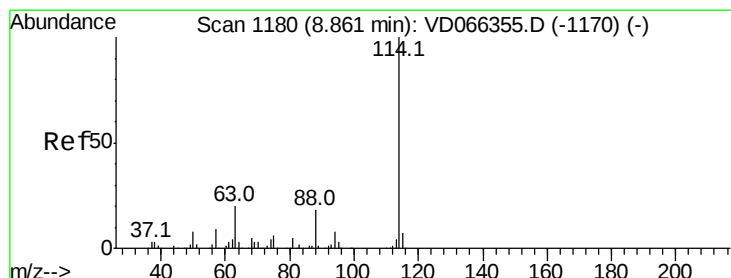
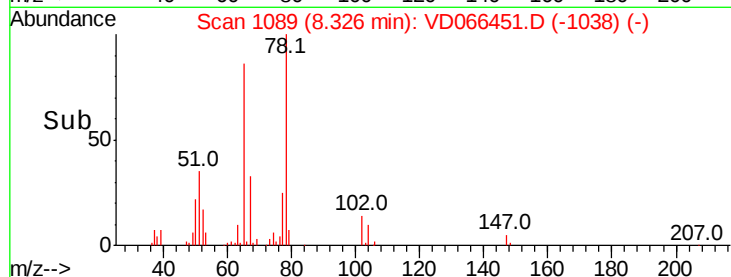
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

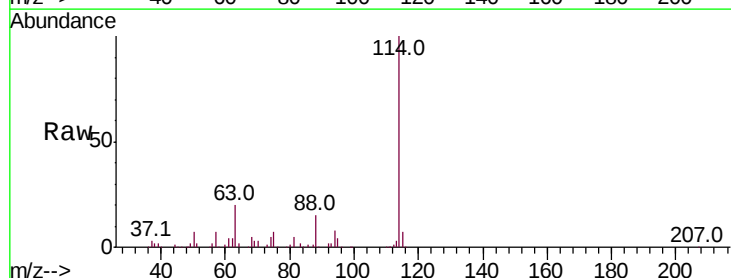
Tgt Ion: 114 Resp: 217667

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.4 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

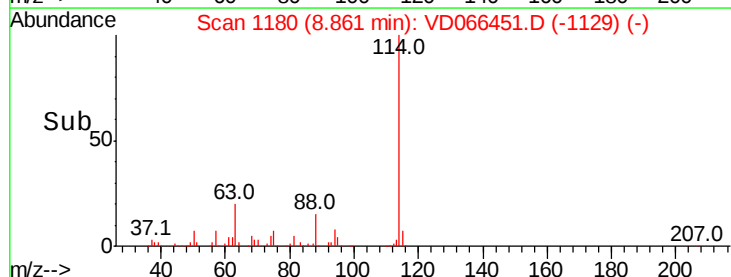
100000

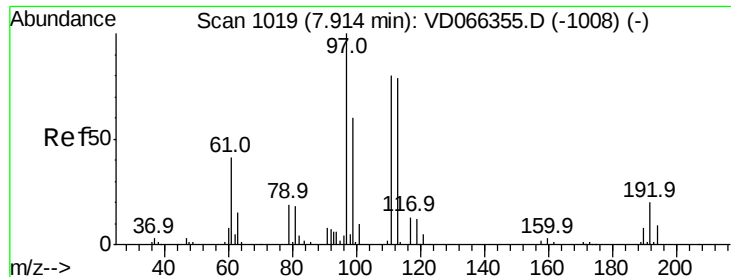
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

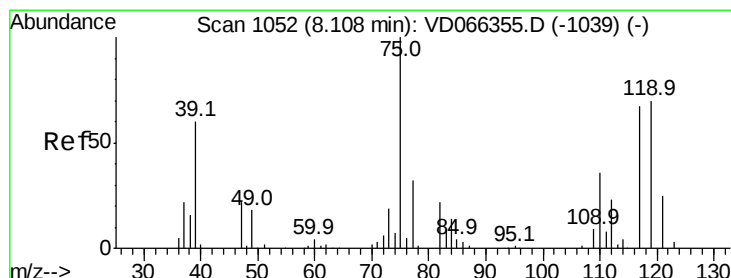
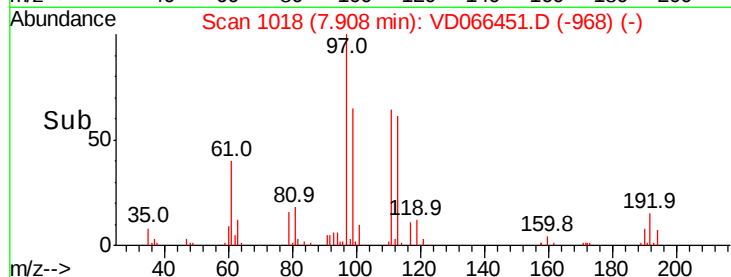
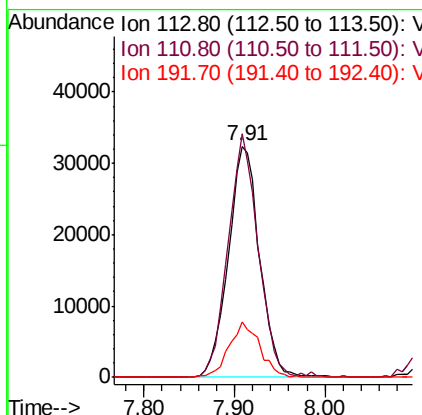
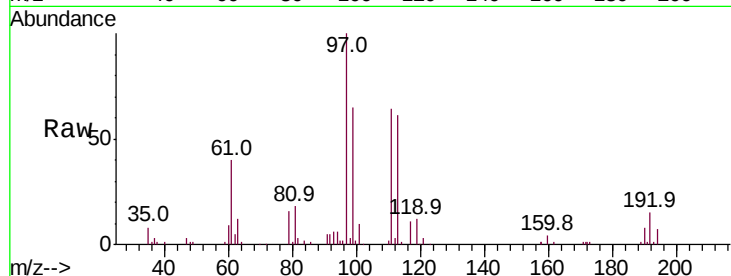




#35
 Dibromofluoromethane
 Concen: 57.109 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

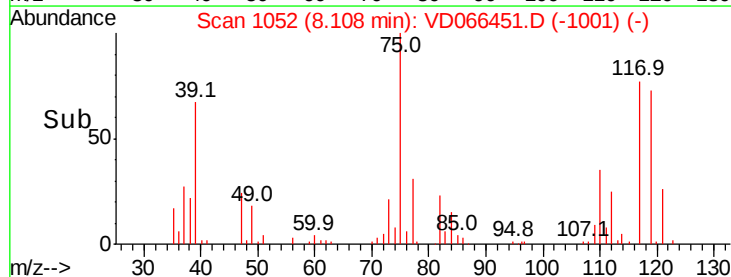
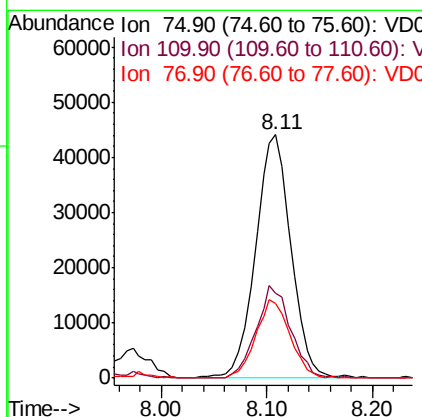
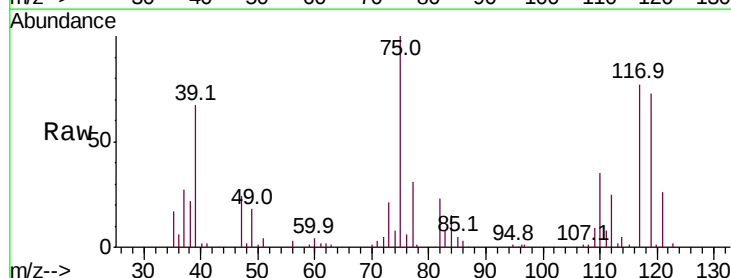
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

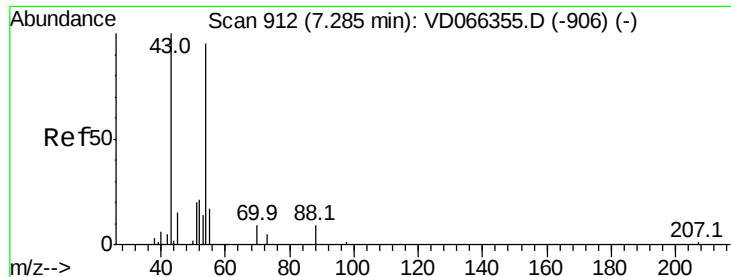
Tot Ion:113 Resp: 77730
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.3 120.5
 192 23.3 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 51.585 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion: 75 Resp: 102452
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.7 56.1
 77 31.2 25.2 37.8

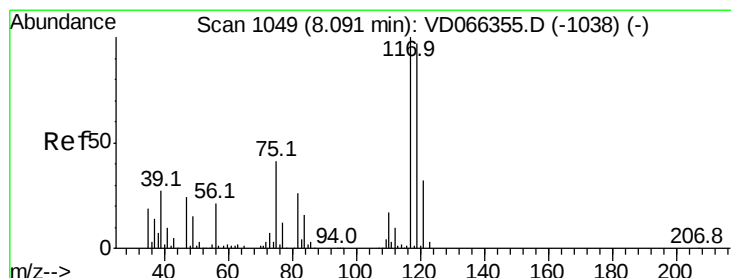
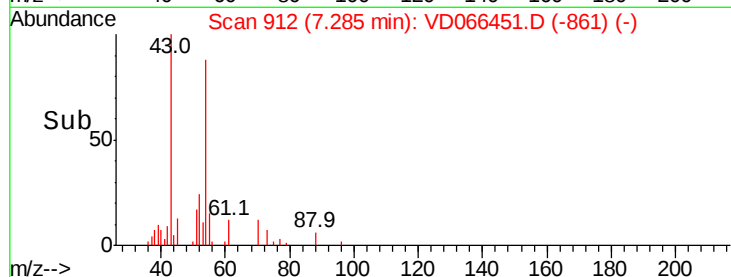
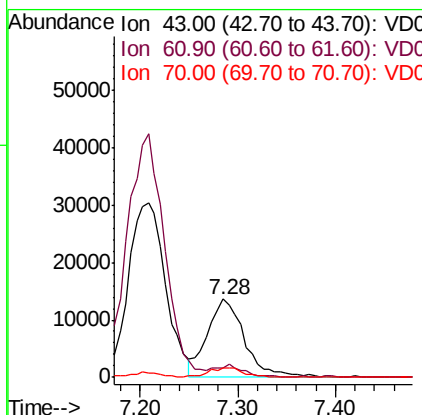
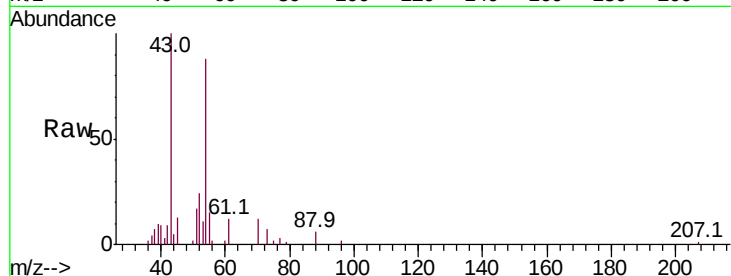




#37
Ethyl Acetate
Concen: 53.325 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

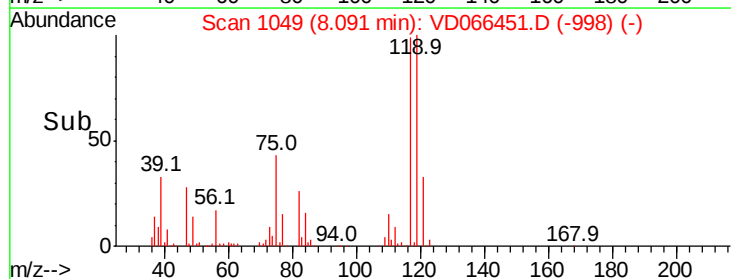
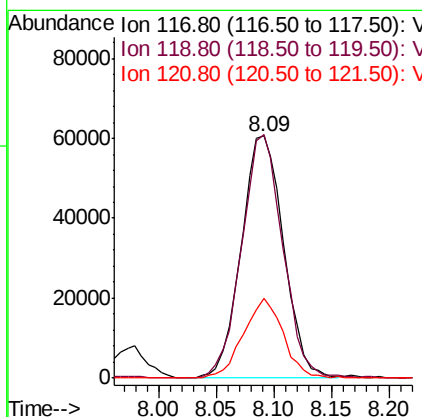
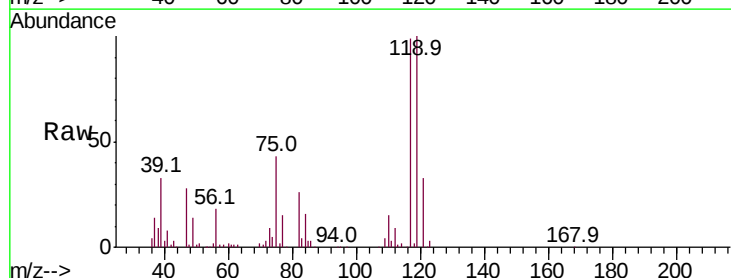
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

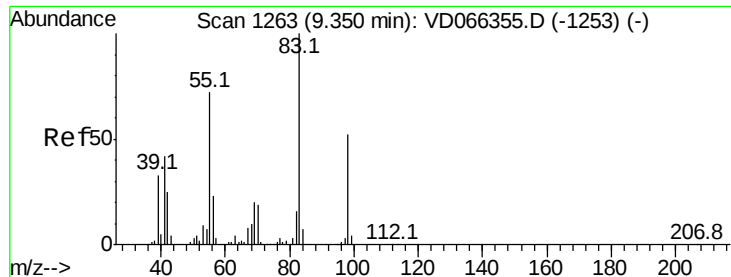
Tot Ion: 43 Resp: 36021
Ion Ratio Lower Upper
43 100
61 12.3 13.3 19.9#
70 11.5 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 59.792 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 117 Resp: 154714
Ion Ratio Lower Upper
117 100
119 100.4 77.2 115.8
121 32.9 25.8 38.8

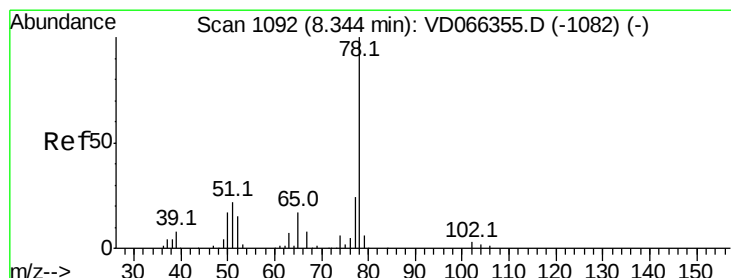
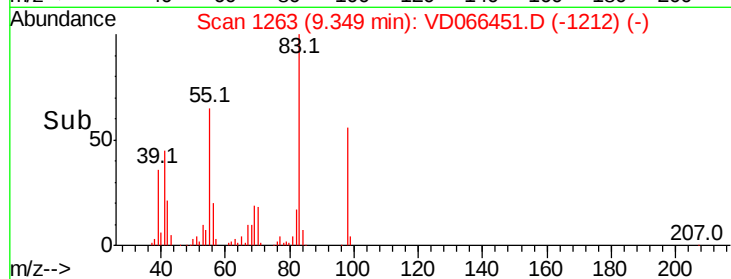
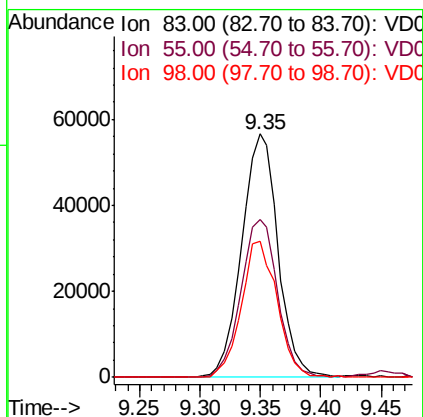
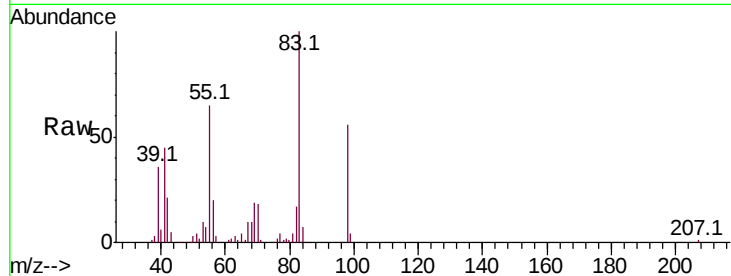




#39
Methvlcvclohexane
Concen: 50.811 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

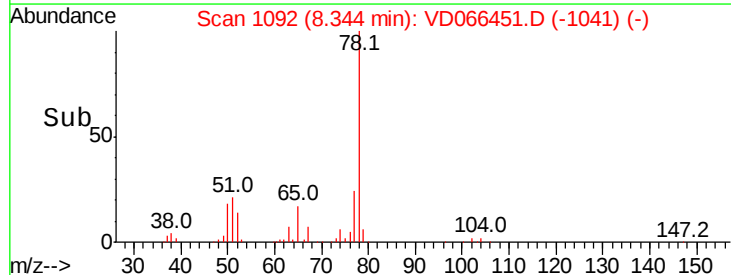
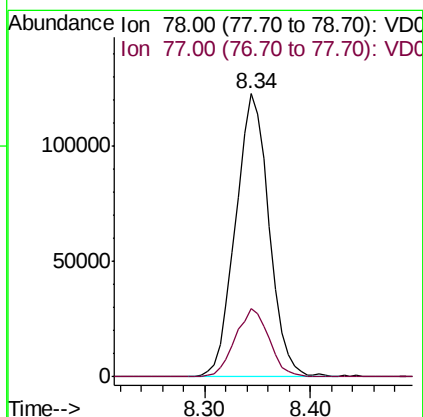
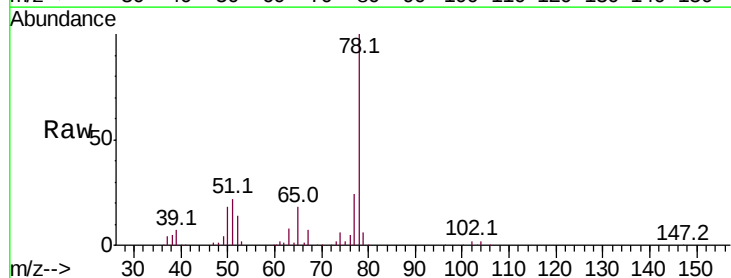
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

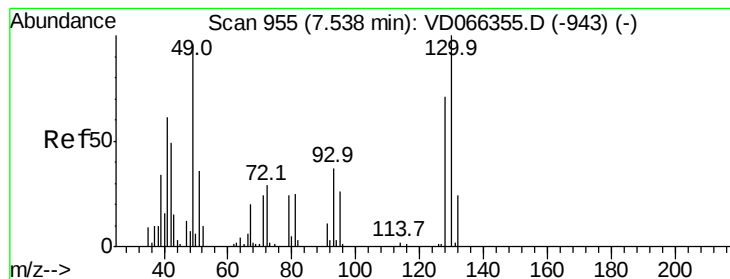
Tot Ion: 83 Resp: 118874
Ion Ratio Lower Upper
83 100
55 65.1 58.0 87.0
98 55.7 41.9 62.9



#40
Benzene
Concen: 51.622 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 78 Resp: 269710
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 119.545 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 49798

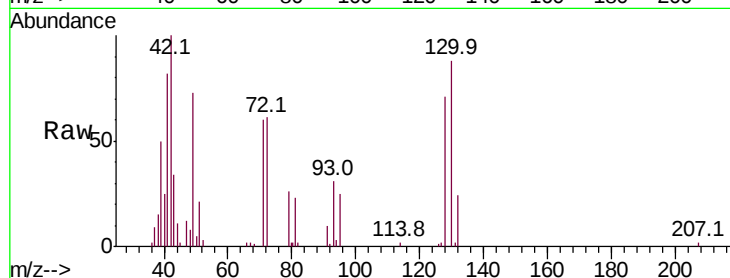
Ion Ratio Lower Upper

41 100

39 38.3 51.8 77.8#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

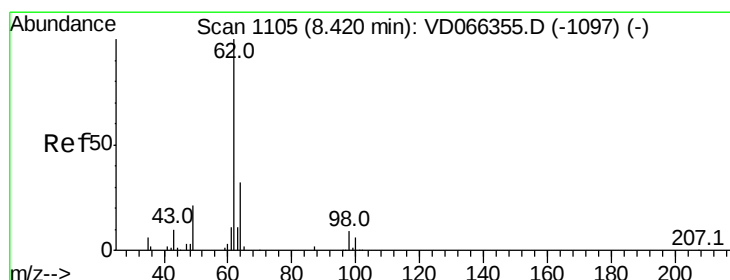
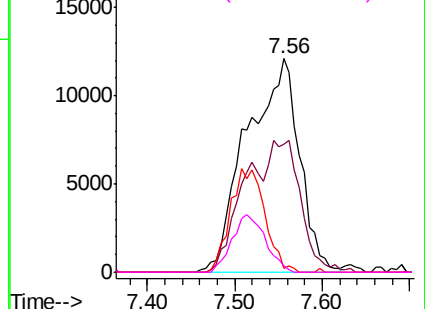
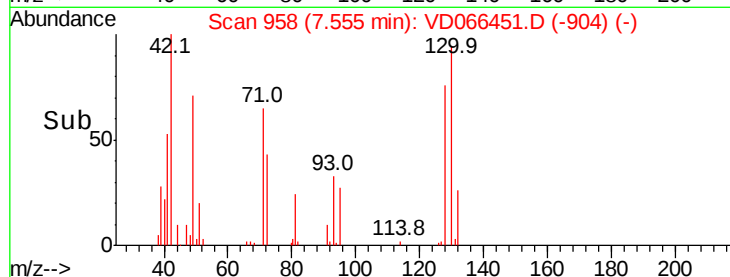


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 60.895 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066451.D

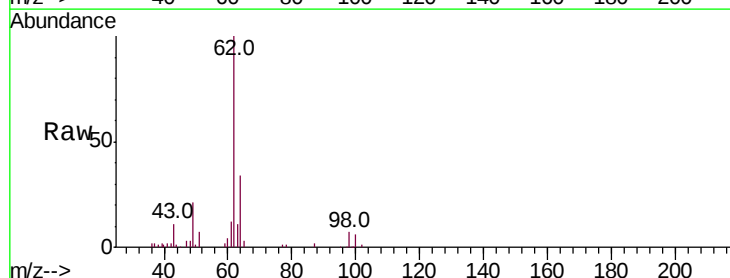
Acq: 28 Aug 2020 11:03

Tgt Ion: 62 Resp: 112056

Ion Ratio Lower Upper

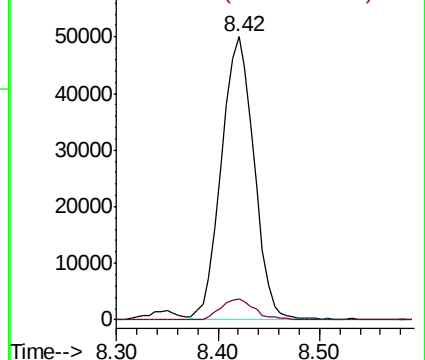
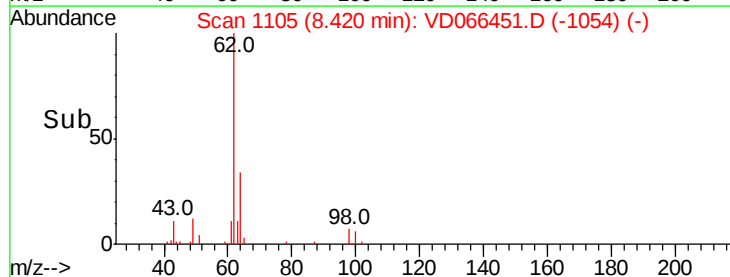
62 100

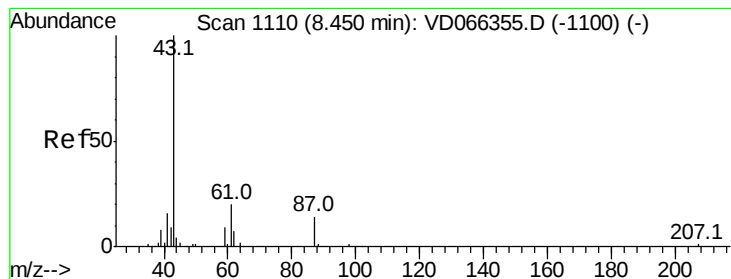
98 7.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.710 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

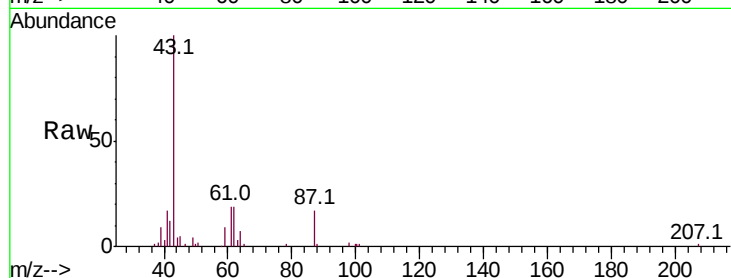
Tot Ion: 43 Resp: 70109

Ion Ratio Lower Upper

43 100

61 33.9 26.5 39.7

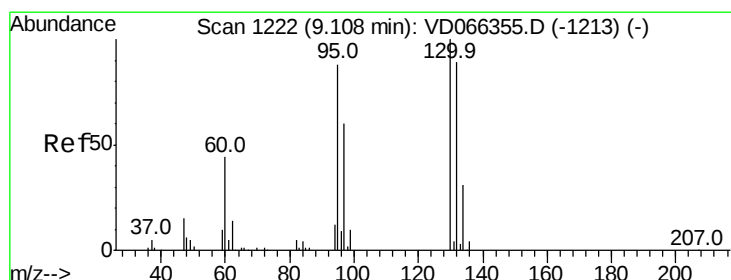
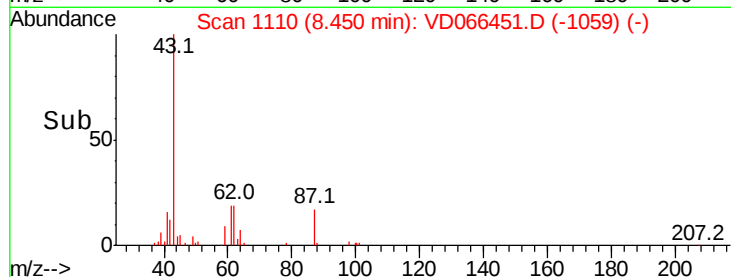
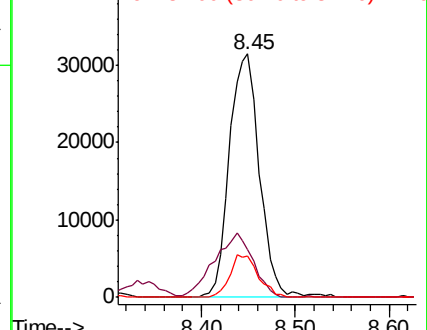
87 16.2 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.907 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066451.D

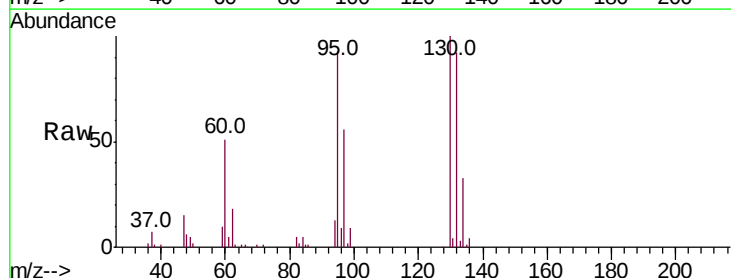
Acq: 28 Aug 2020 11:03

Tgt Ion: 130 Resp: 89821

Ion Ratio Lower Upper

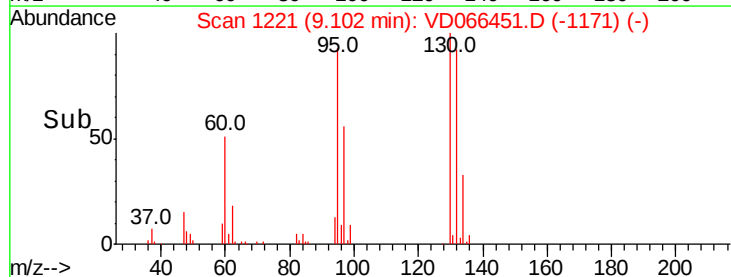
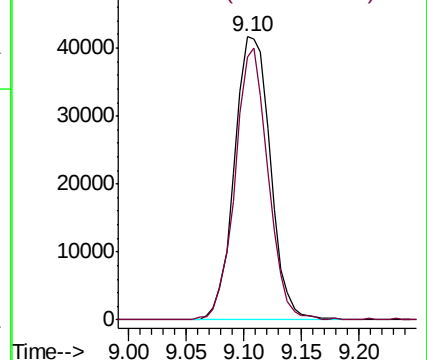
130 100

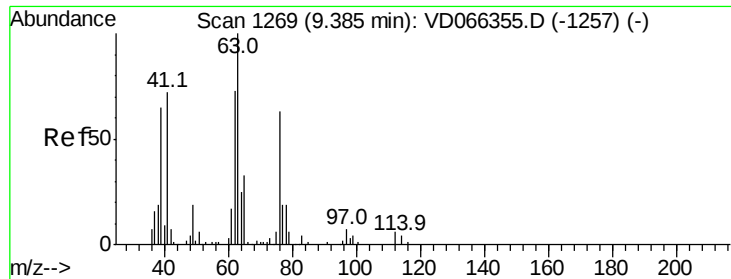
95 92.7 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.044 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

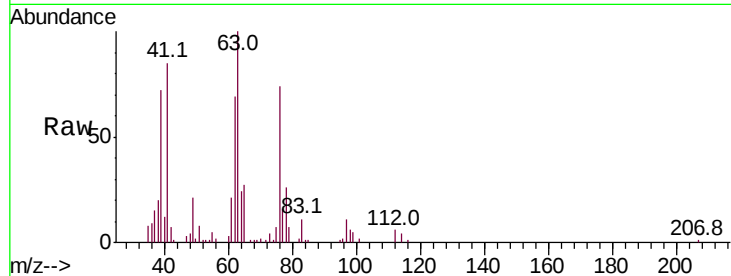
VSTDCCC050

Tot Ion: 63 Resp: 55722

Ion Ratio Lower Upper

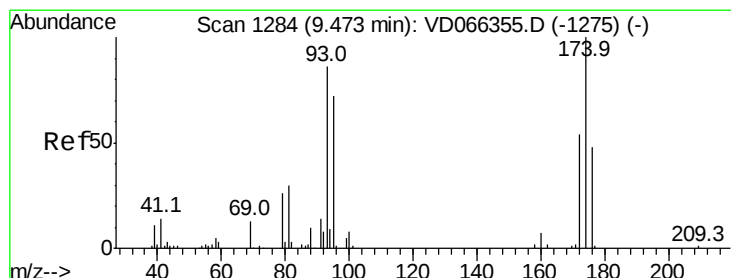
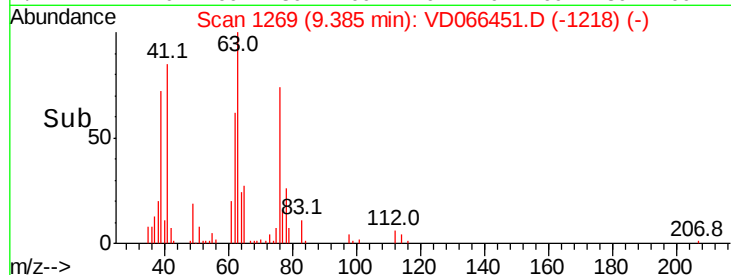
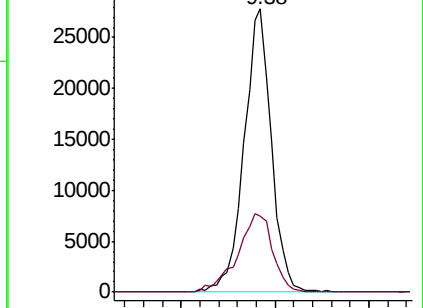
63 100

65 26.7 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 54.659 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

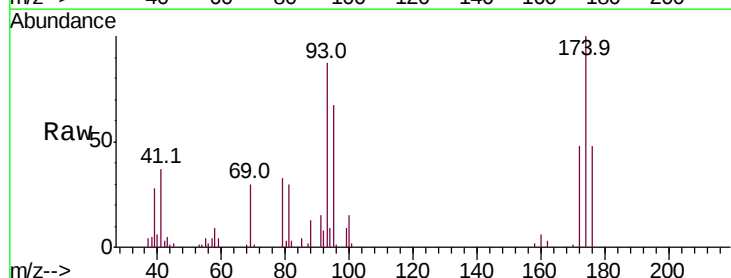
Tgt Ion: 93 Resp: 40310

Ion Ratio Lower Upper

93 100

95 80.2 66.0 99.0

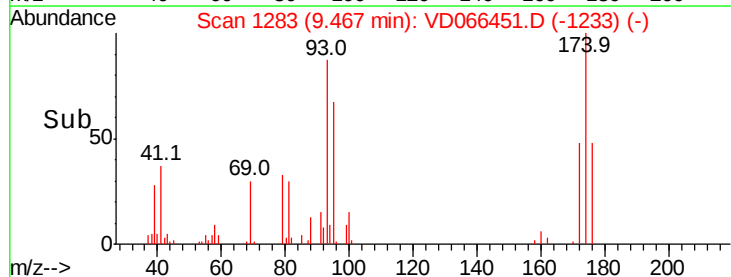
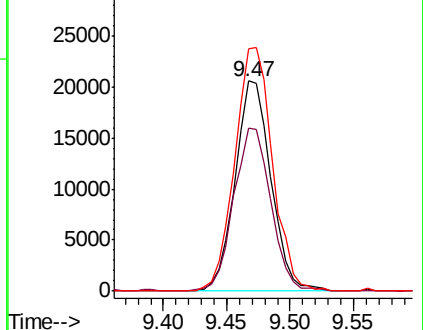
174 122.0 94.6 141.8

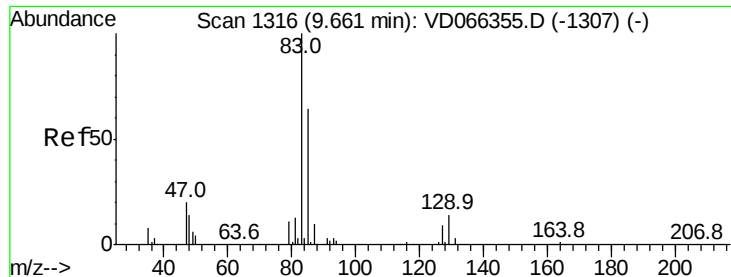


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.019 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

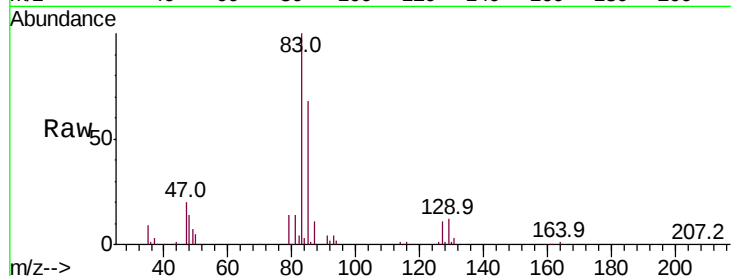
Tot Ion: 83 Resp: 117668

Ion Ratio Lower Upper

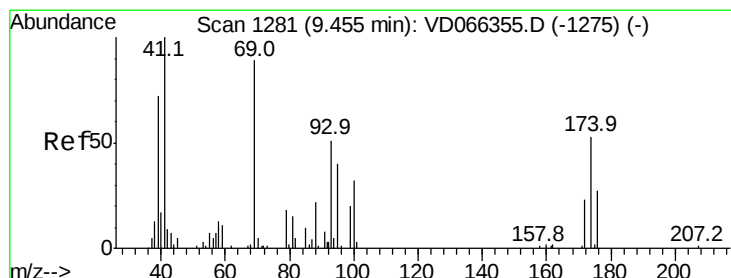
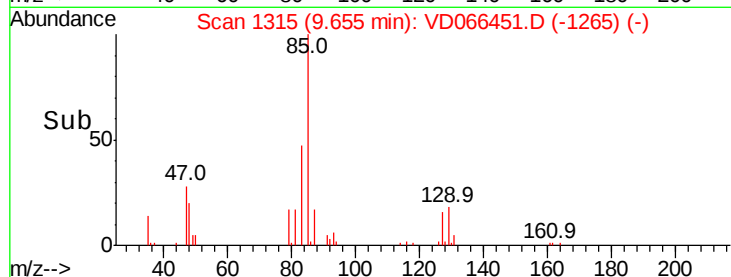
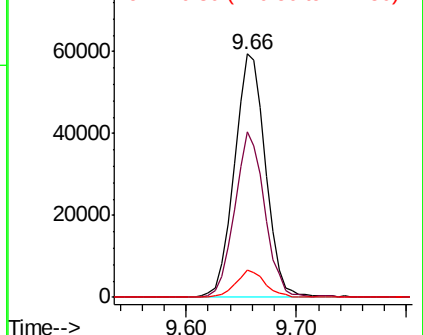
83 100

85 68.1 51.4 77.0

127 11.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 46.911 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

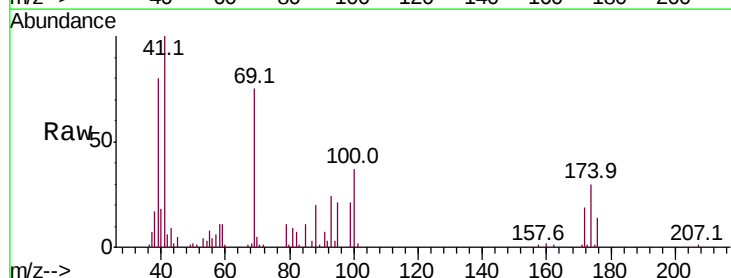
Tgt Ion: 41 Resp: 32798

Ion Ratio Lower Upper

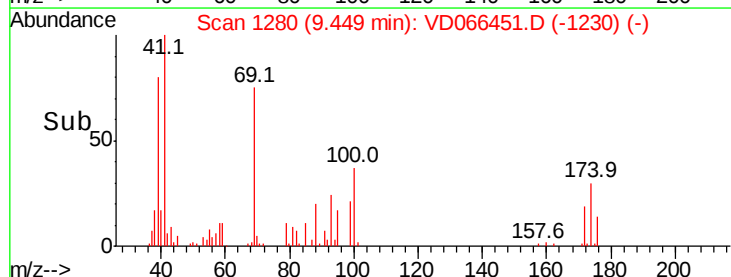
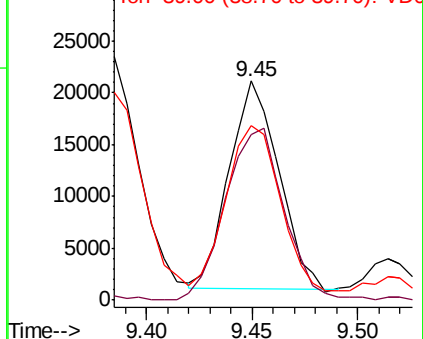
41 100

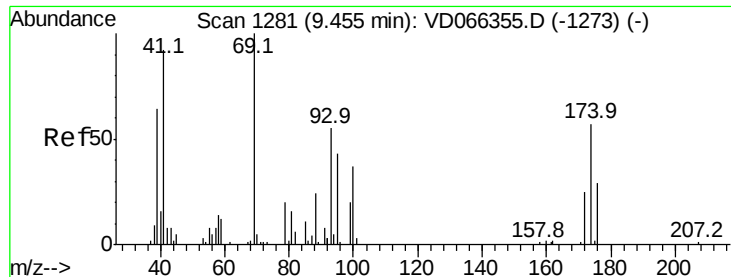
69 97.4 75.5 113.3

39 87.1 57.0 85.4#



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

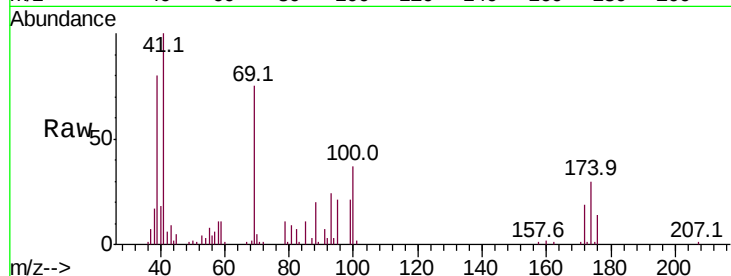




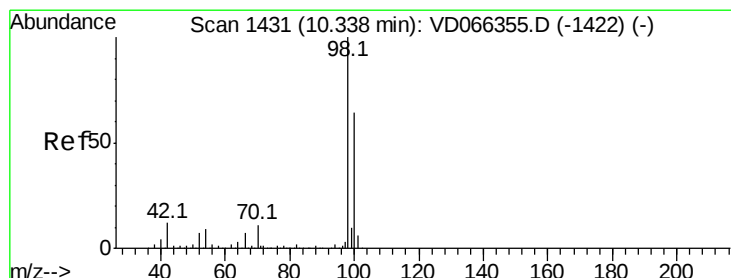
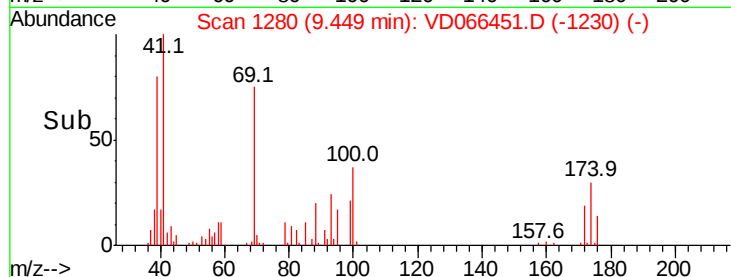
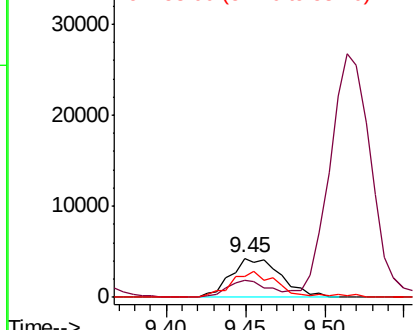
#49
1,4-Dioxane
Concen: 1101.211 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 9430
Ion Ratio Lower Upper
88 100
43 35.0 29.4 44.0
58 60.0 45.4 68.2

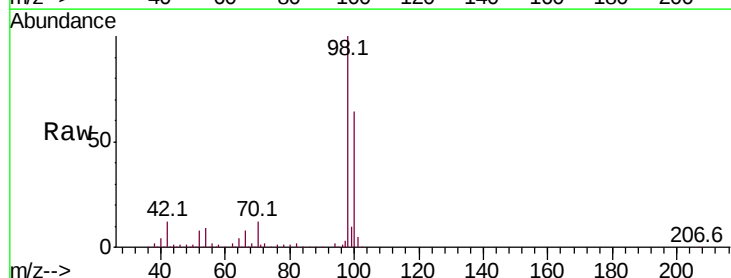


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

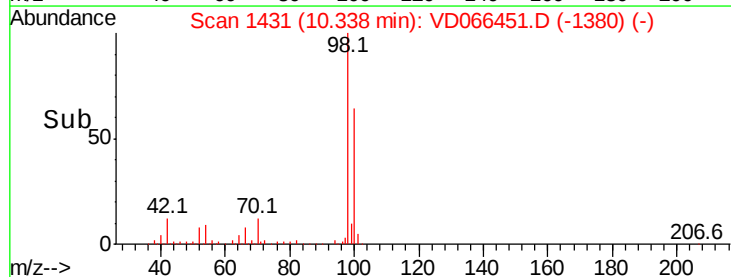
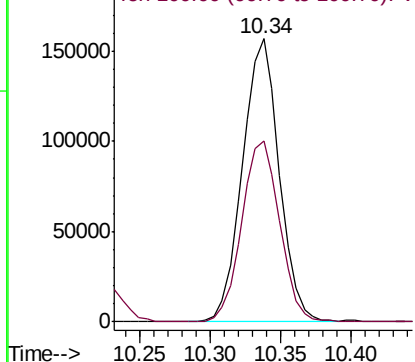


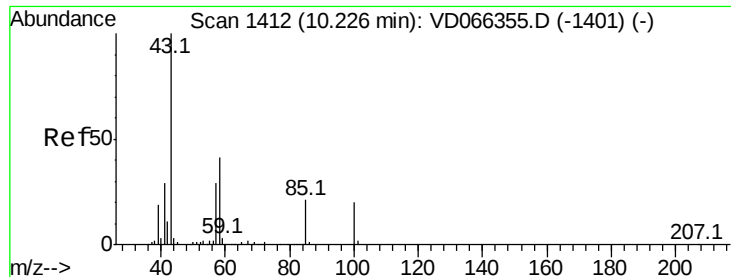
#50
Toluene-d8
Concen: 57.428 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 98 Resp: 285994
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 254.722 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

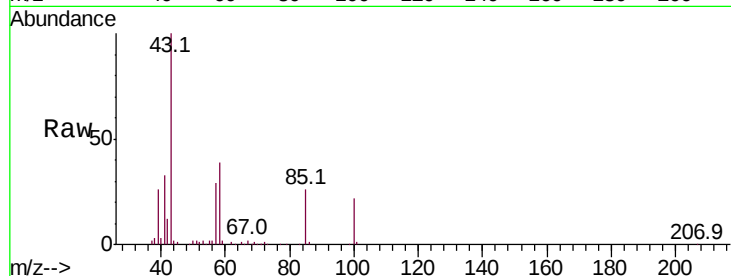
VSTDCCC050

Tot Ion: 43 Resp: 167069

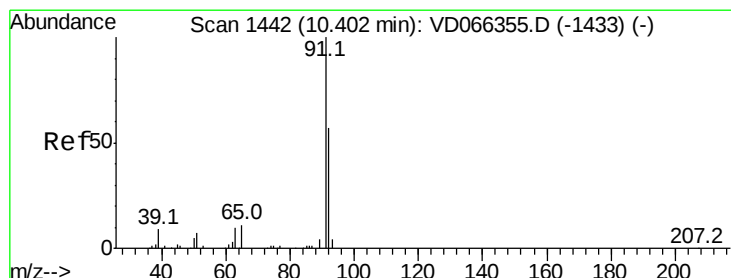
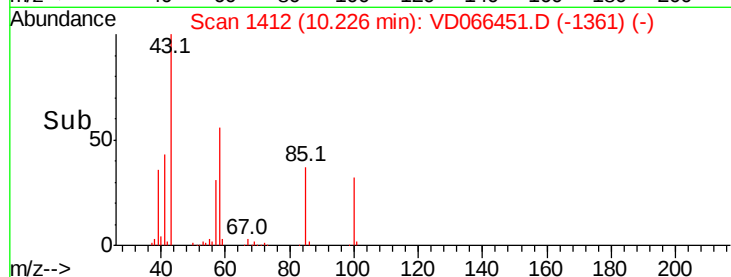
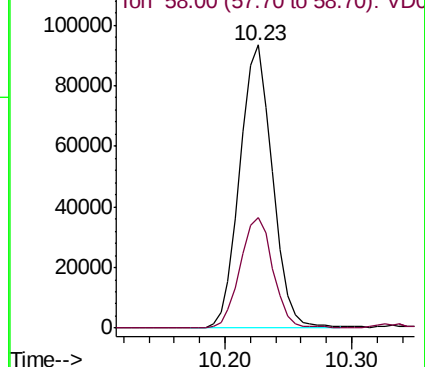
Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 54.220 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066451.D

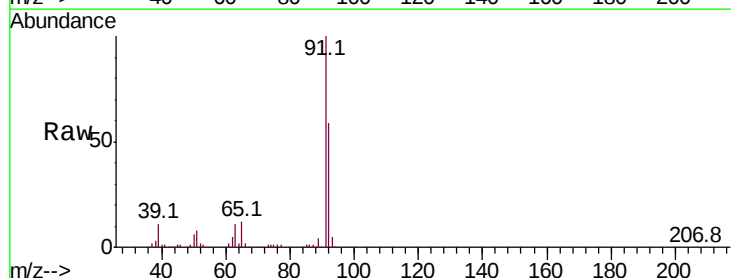
Acq: 28 Aug 2020 11:03

Tgt Ion: 92 Resp: 191926

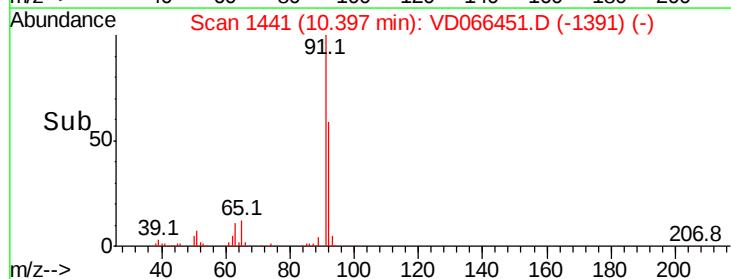
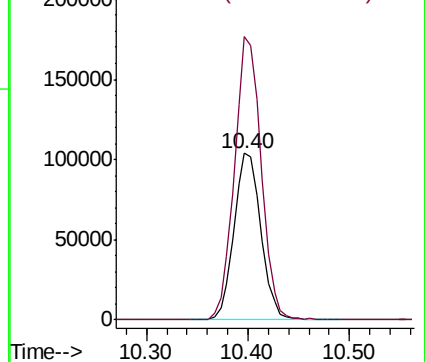
Ion Ratio Lower Upper

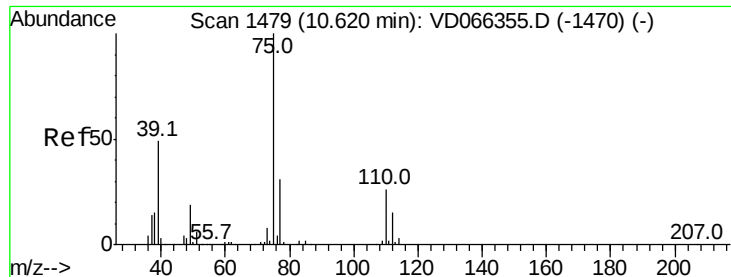
92 100

91 168.7 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.150 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

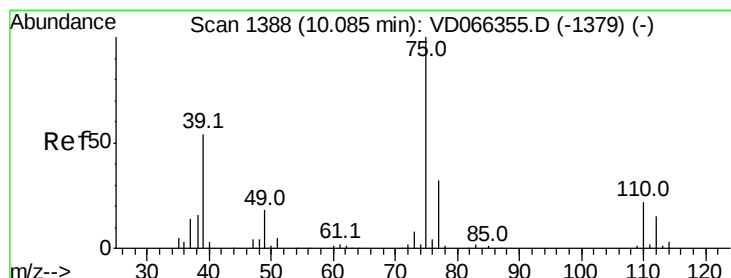
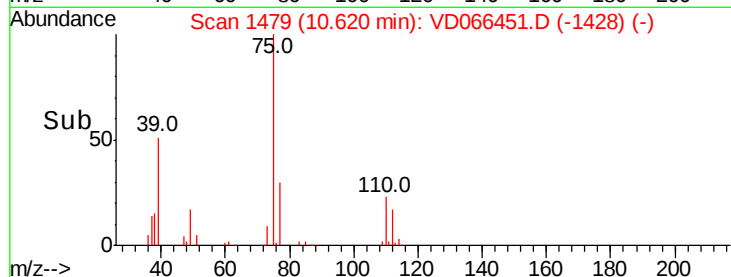
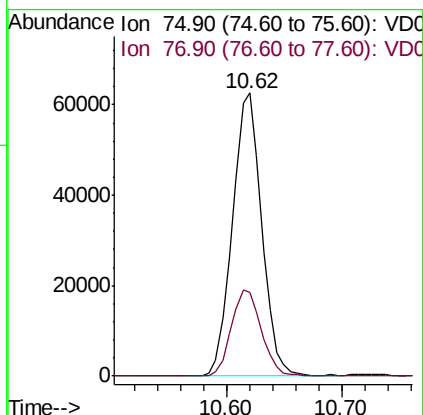
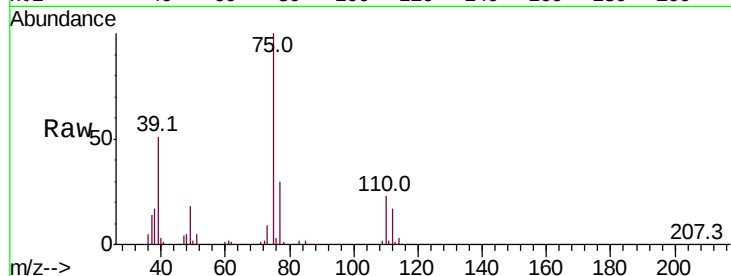
VSTDCCC050

Tot Ion: 75 Resp: 109980

Ion Ratio Lower Upper

75 100

77 29.7 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 52.252 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

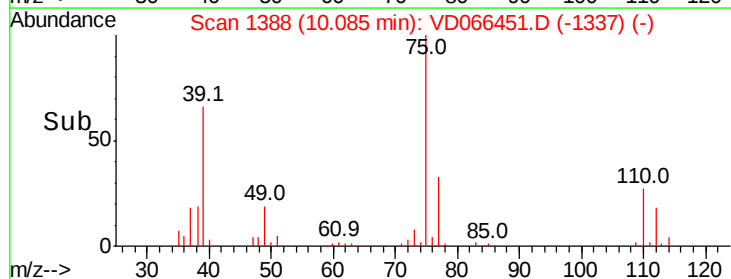
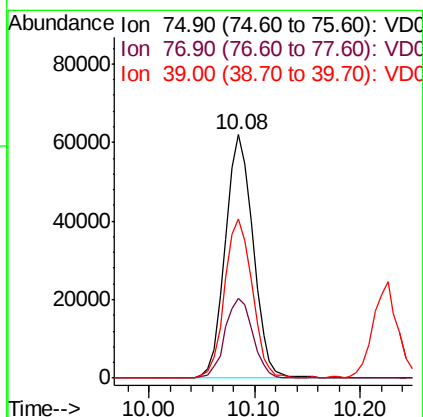
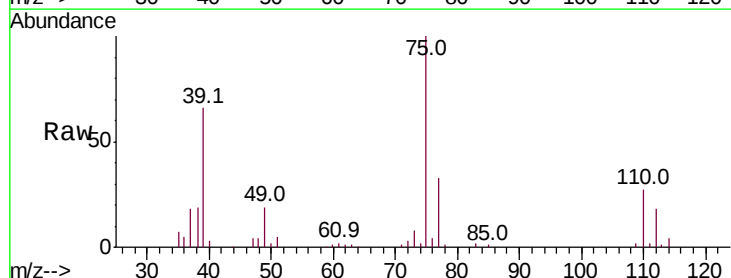
Tgt Ion: 75 Resp: 112868

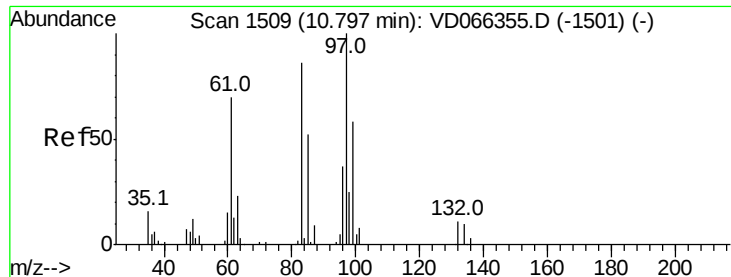
Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

39 65.1 43.4 65.0#

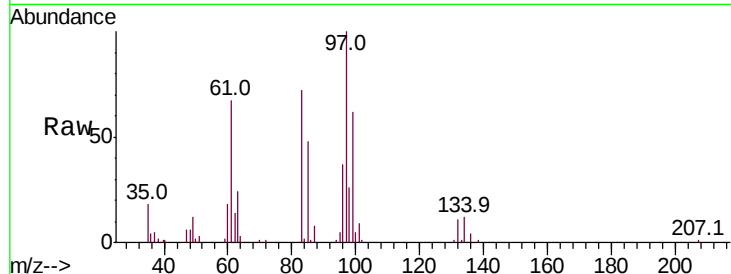




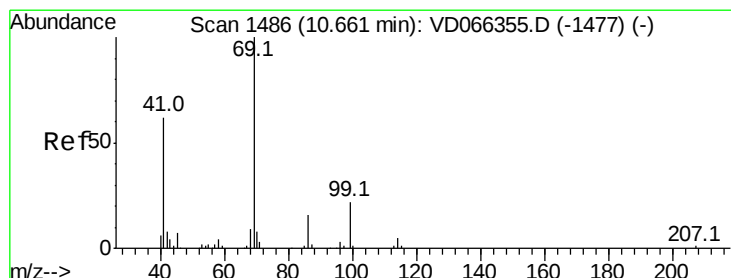
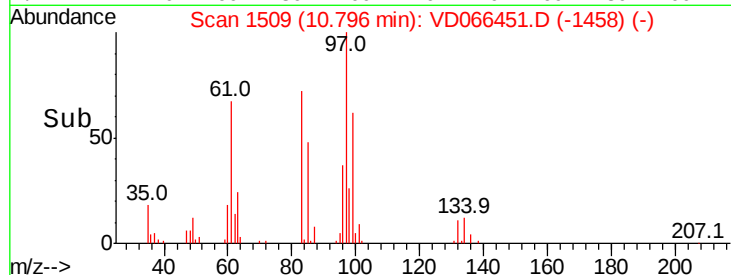
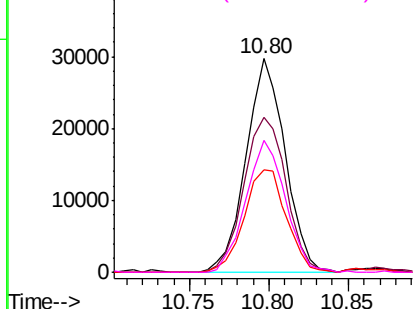
#55
 1,1,2-Trichloroethane
 Concen: 51.051 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	50968
Ion	Ratio	Lower	Upper
97	100		
83	72.4	68.4	102.6
85	47.8	41.3	61.9
99	61.8	46.1	69.1

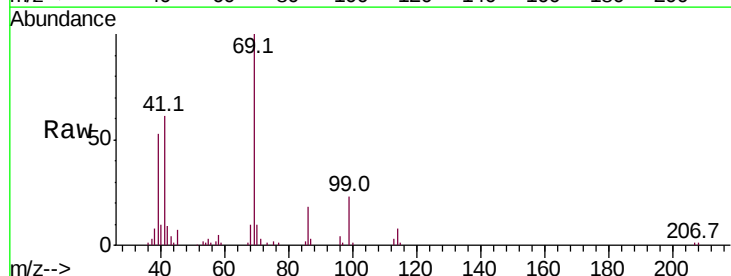


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

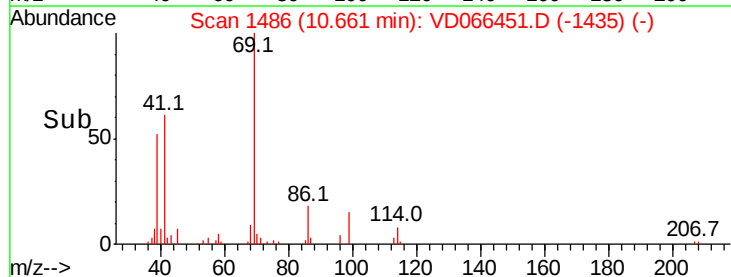
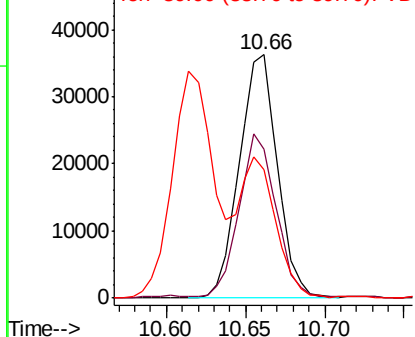


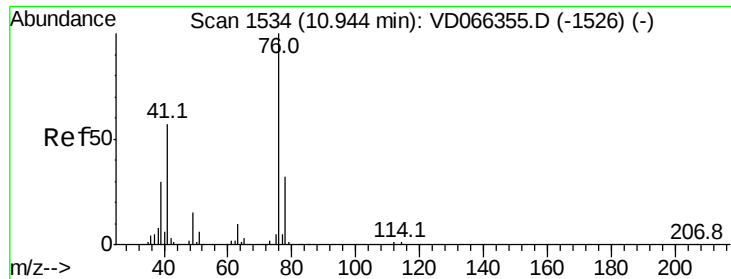
#56
 Ethyl methacrylate
 Concen: 52.283 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion:	69	Resp:	60426
Ion	Ratio	Lower	Upper
69	100		
41	66.8	50.8	76.2
39	56.8	32.9	49.3#



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: 51.493 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

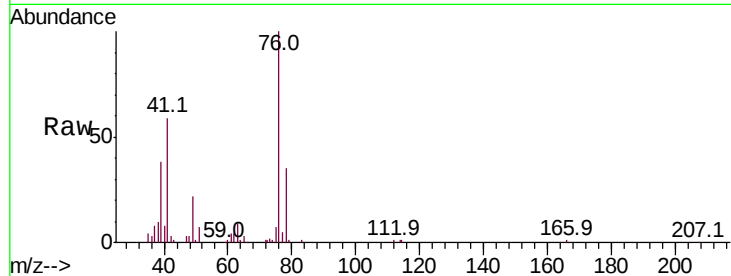
VSTDCCC050

Tot Ion: 76 Resp: 85037

Ion Ratio Lower Upper

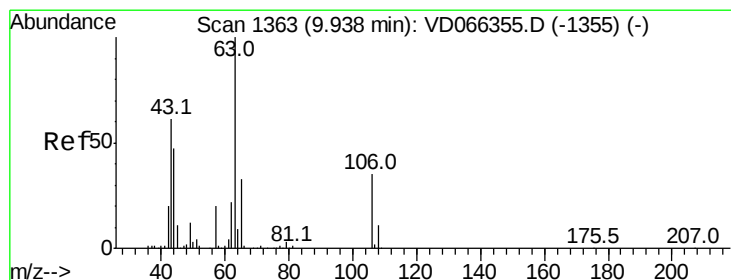
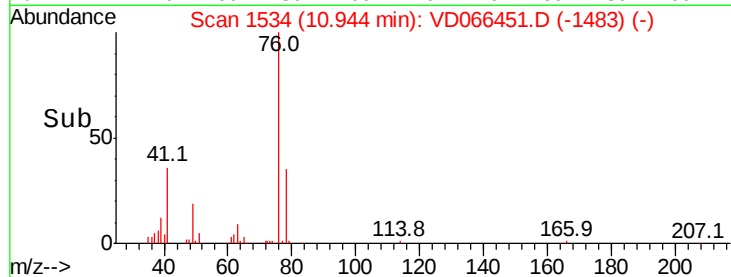
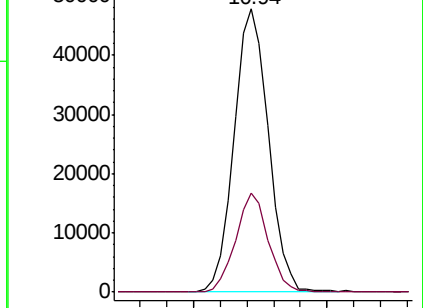
76 100

78 33.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.761 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066451.D

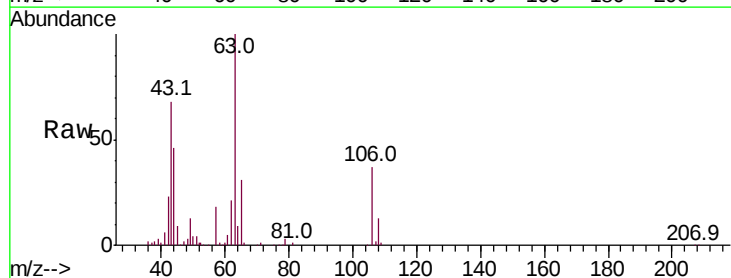
Acq: 28 Aug 2020 11:03

Tgt Ion: 63 Resp: 119888

Ion Ratio Lower Upper

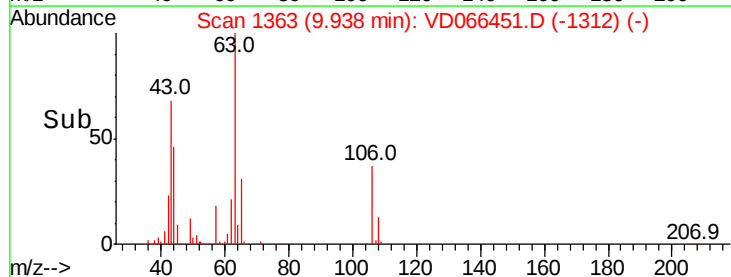
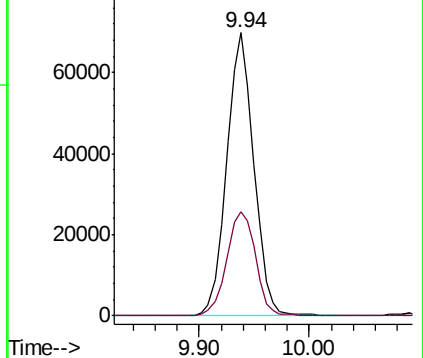
63 100

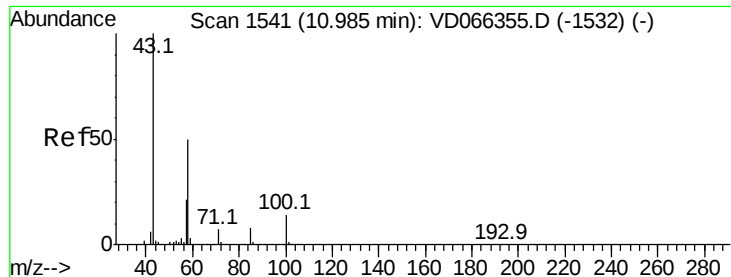
106 39.3 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

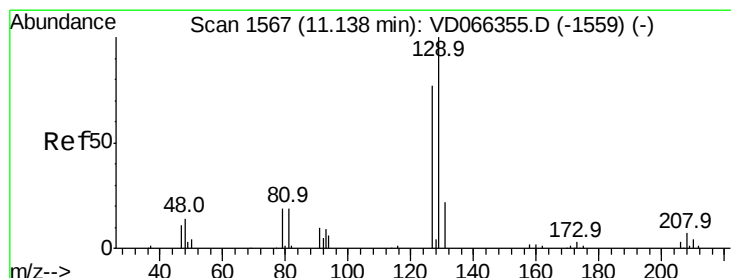
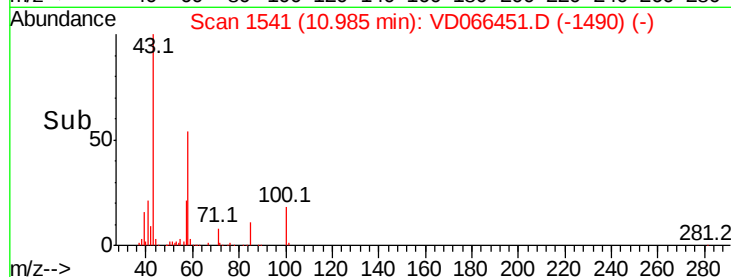
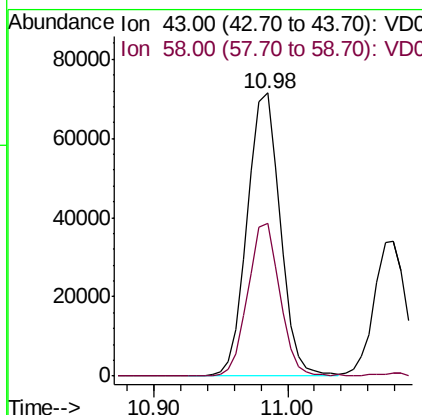
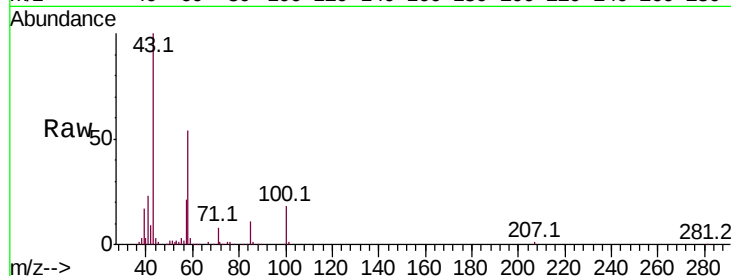




#59
2-Hexanone
Concen: 263.974 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

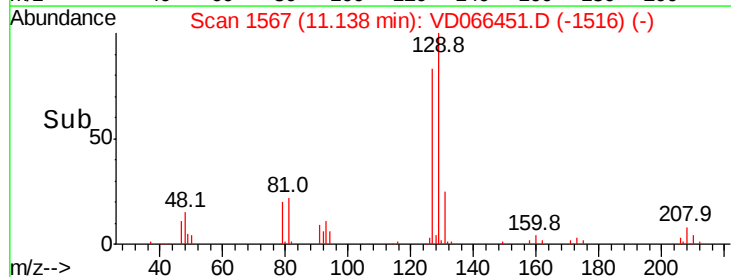
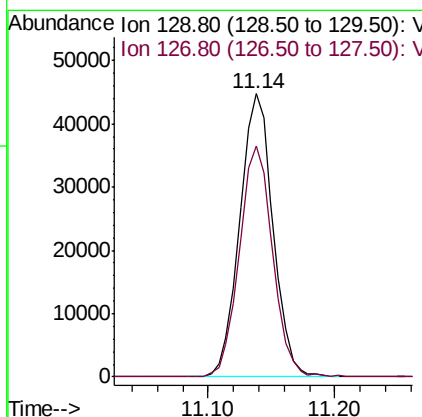
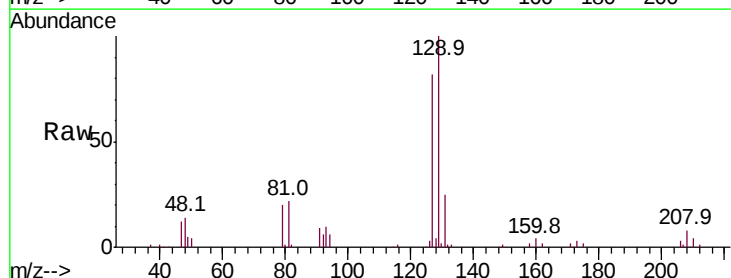
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

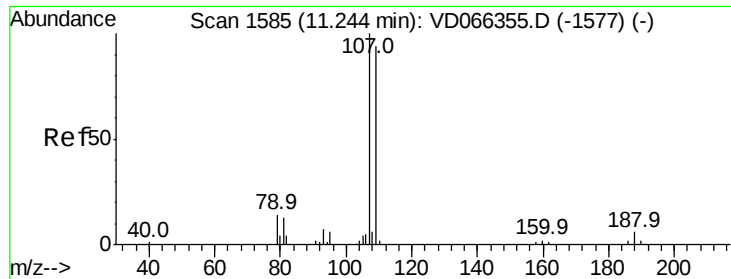
Tot Ion: 43 Resp: 122125
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8



#60
Dibromochloromethane
Concen: 54.107 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion:129 Resp: 81425
Ion Ratio Lower Upper
129 100
127 81.5 39.0 117.0

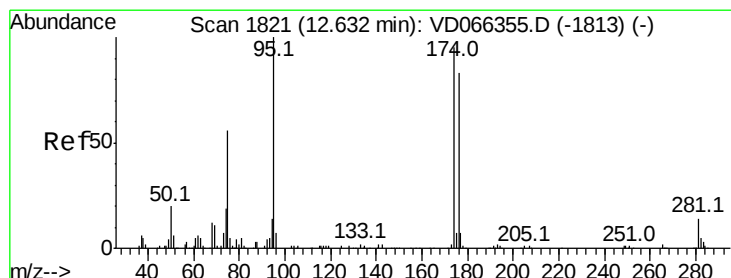
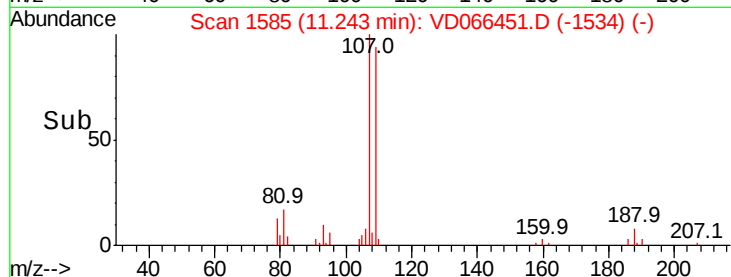
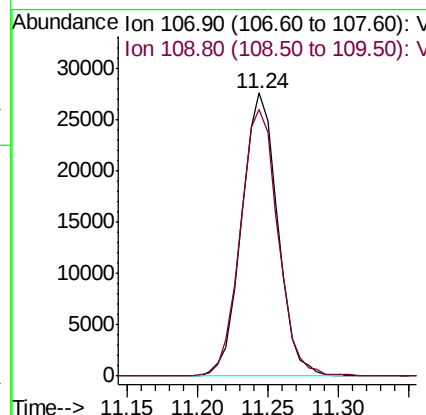
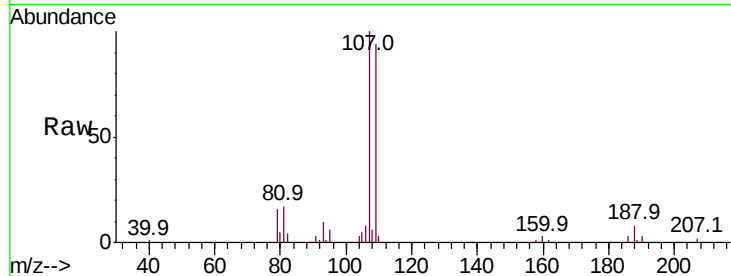




#61
 1,2-Dibromoethane
 Concen: 50.090 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

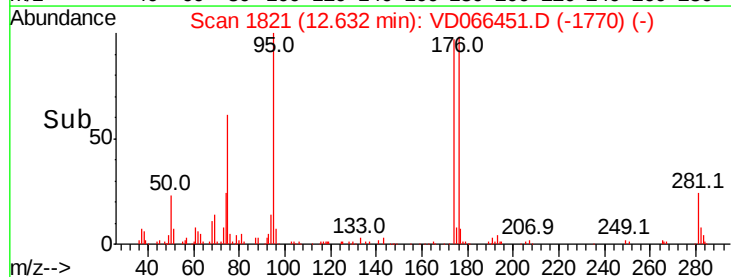
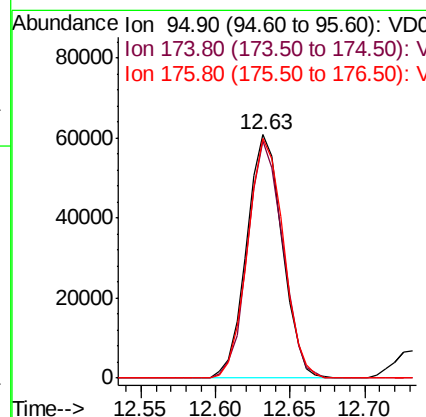
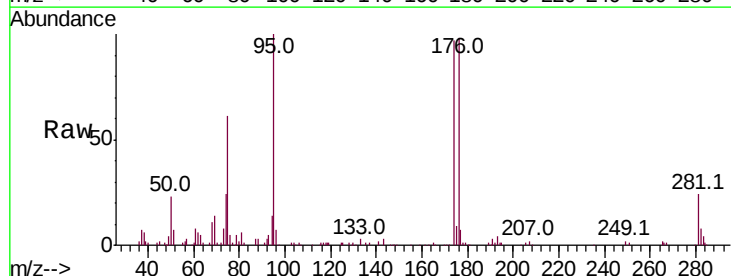
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

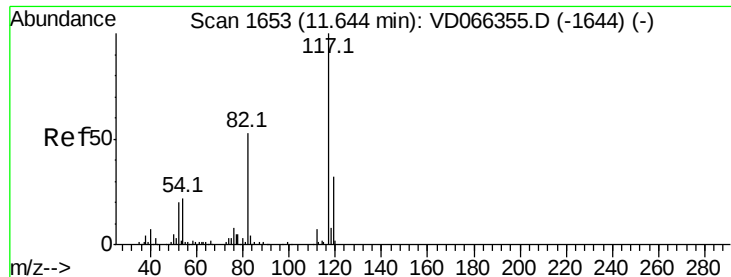
Tot Ion:107 Resp: 49214
 Ion Ratio Lower Upper
 107 100
 109 98.6 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 56.917 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion: 95 Resp: 100580
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 183.4
 176 98.3 0.0 173.8

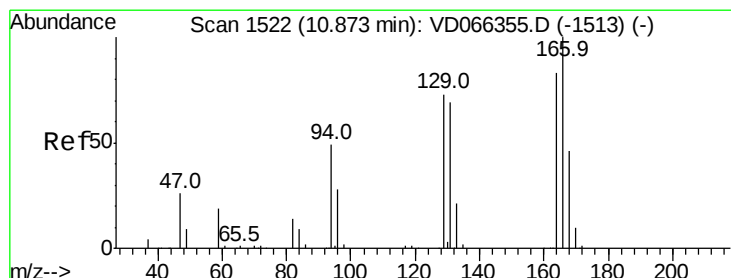
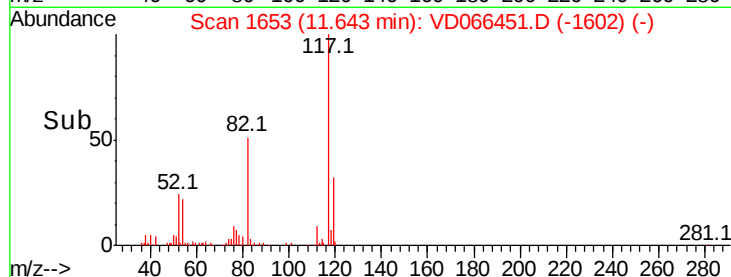
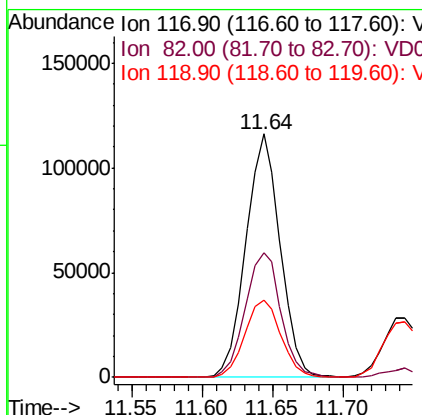
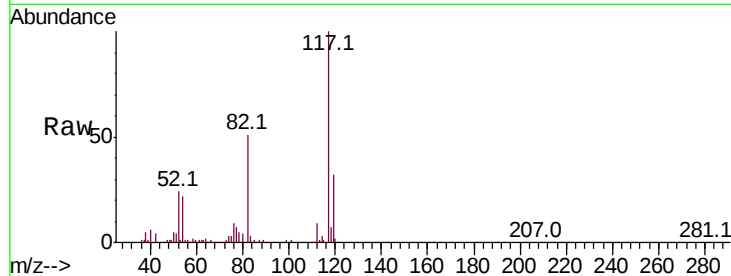




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

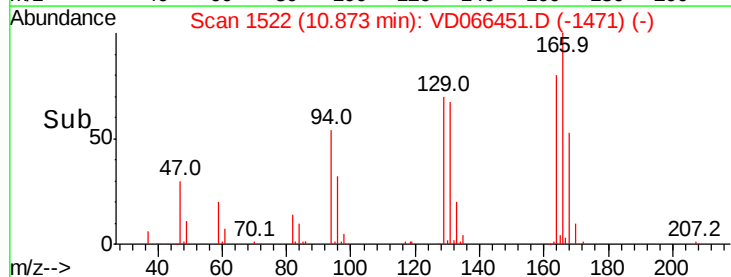
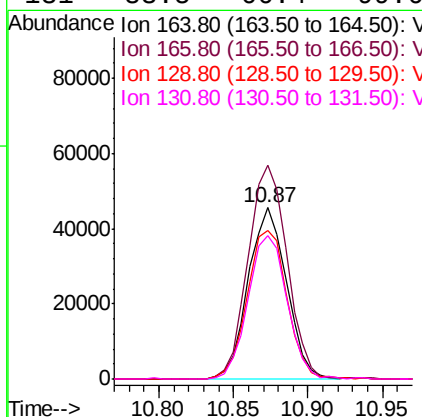
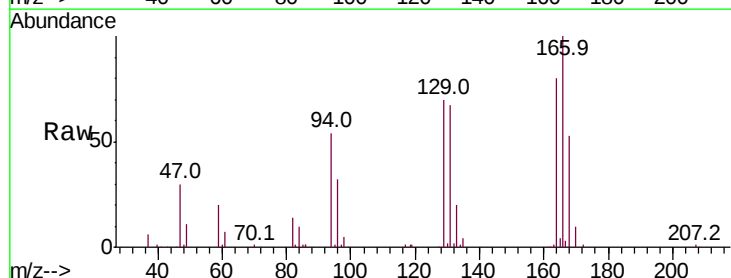
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

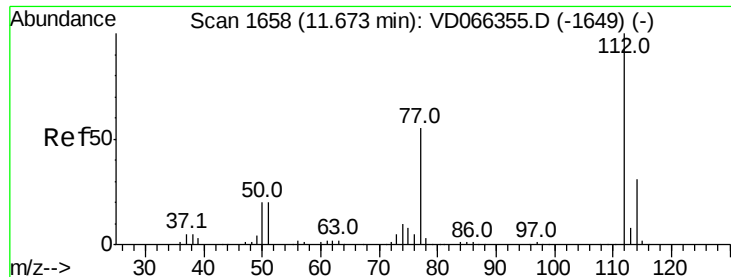
Tot Ion:117 Resp: 197907
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 31.6 25.8 38.8



#64
Tetrachloroethene
Concen: 53.718 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion:164 Resp: 80647
Ion Ratio Lower Upper
164 100
166 124.6 96.2 144.4
129 86.7 70.3 105.5
131 83.5 66.4 99.6





#65

Chlorobenzene

Concen: 53.800 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

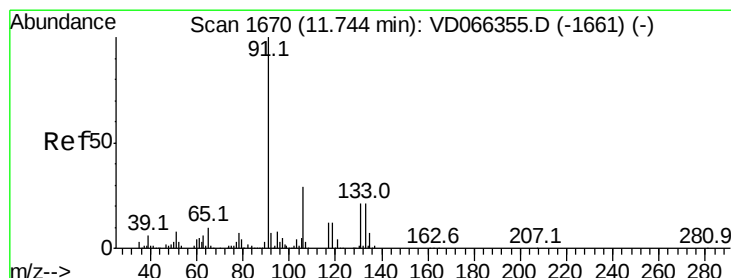
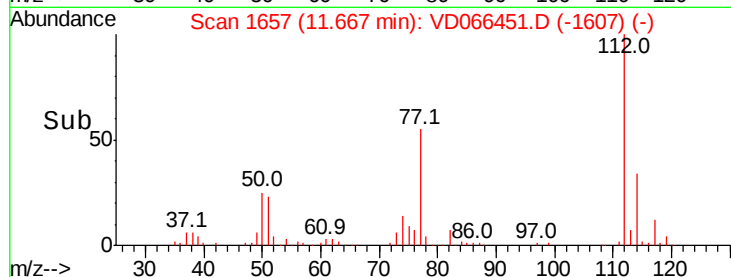
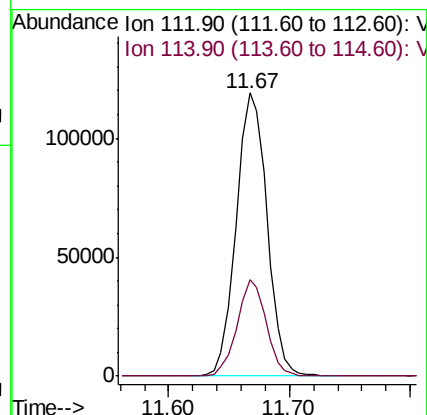
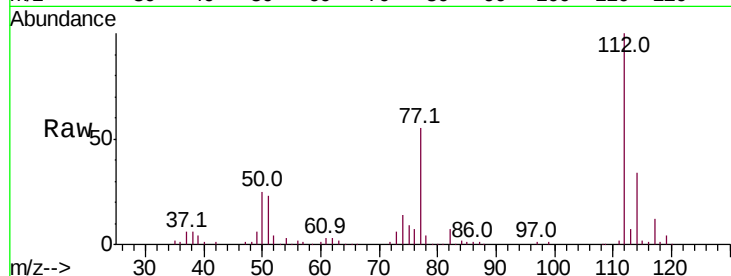
VSTDCCC050

Tot Ion:112 Resp: 211830

Ion Ratio Lower Upper

112 100

114 34.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 54.862 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

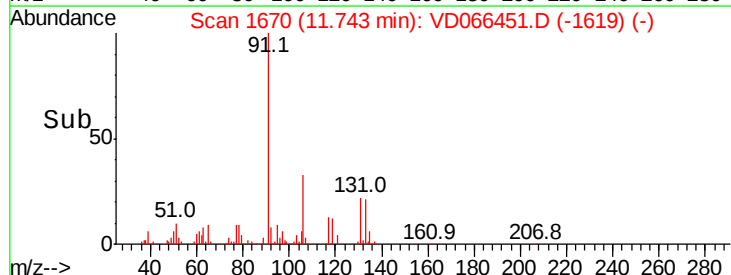
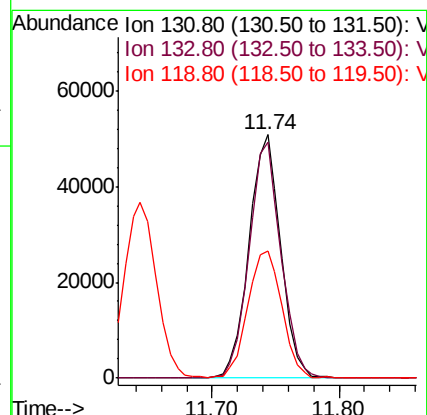
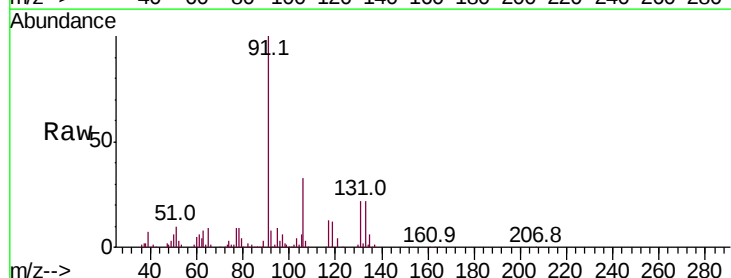
Tgt Ion:131 Resp: 88278

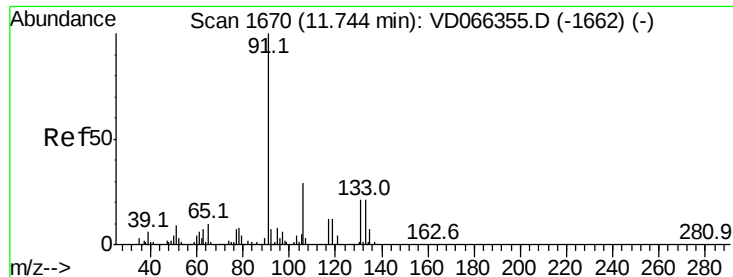
Ion Ratio Lower Upper

131 100

133 97.2 48.6 145.9

119 56.3 29.0 87.1





#67

Ethyl Benzene

Concen: 54.018 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

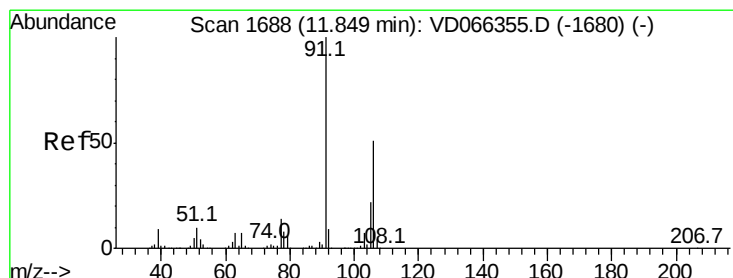
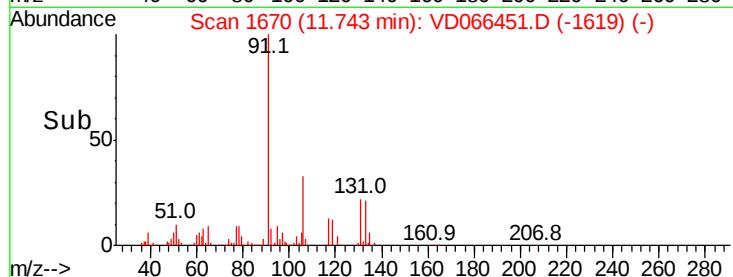
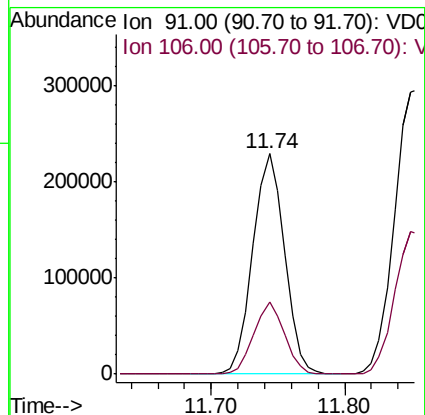
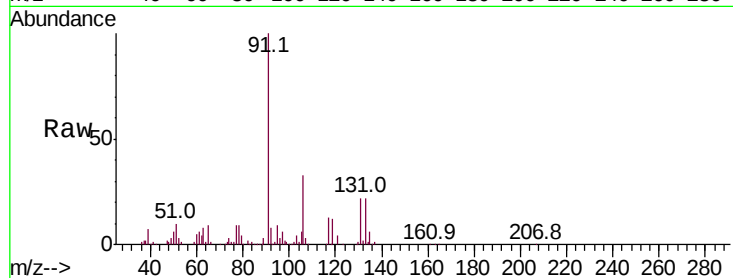
VSTDCCC050

Tot Ion: 91 Resp: 374390

Ion Ratio Lower Upper

91 100

106 32.7 23.4 35.2



#68

m/p-Xylenes

Concen: 109.360 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066451.D

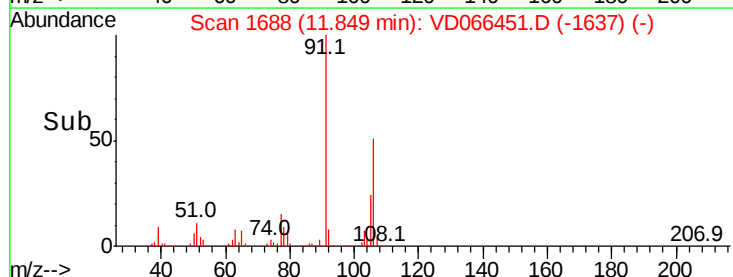
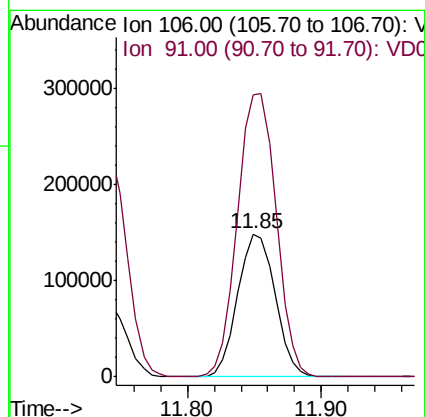
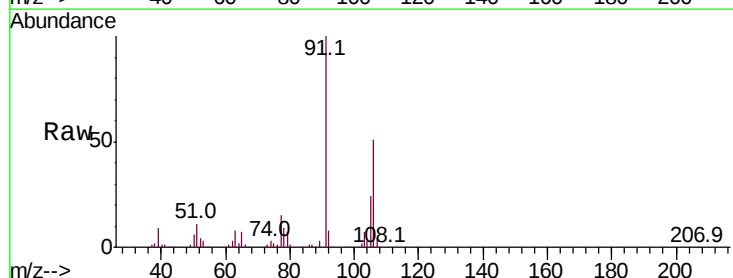
Acq: 28 Aug 2020 11:03

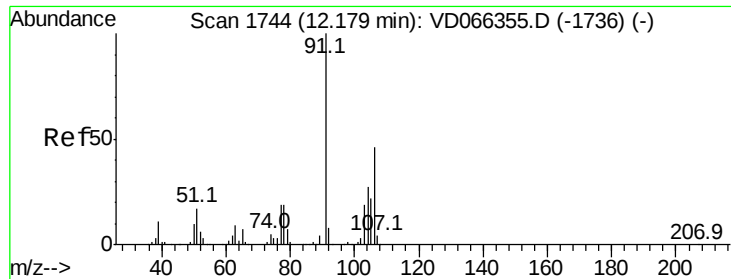
Tgt Ion: 106 Resp: 288896

Ion Ratio Lower Upper

106 100

91 205.0 160.7 241.1

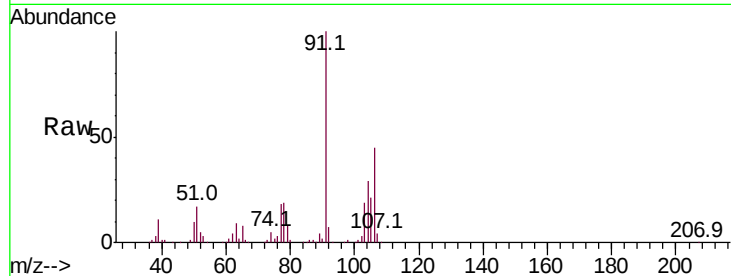




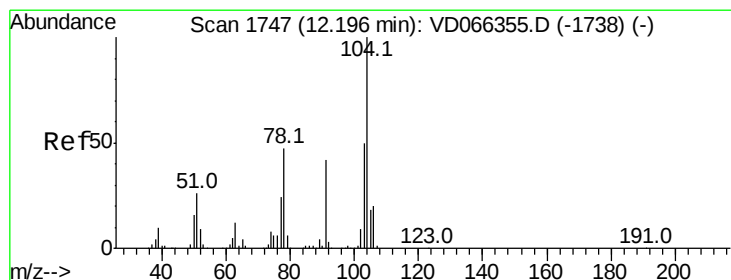
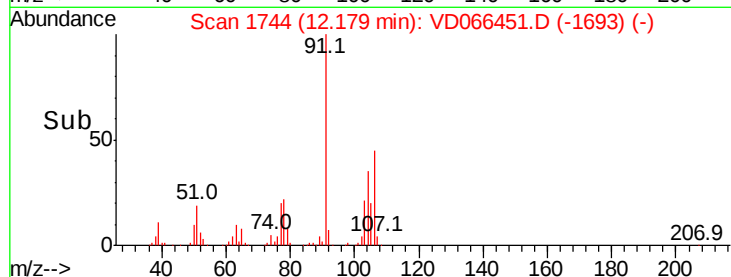
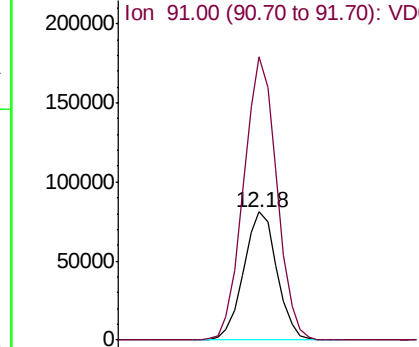
#69
o-Xylene
Concen: 54.192 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 133179
Ion Ratio Lower Upper
106 100
91 221.0 109.1 327.3

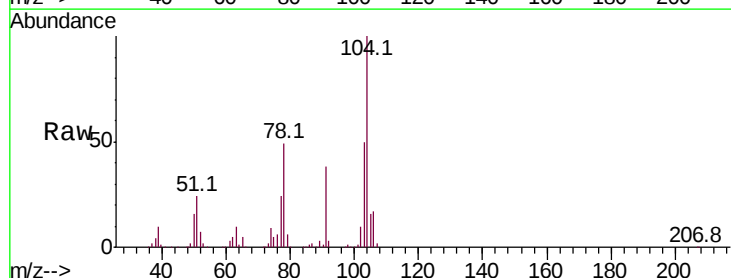


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

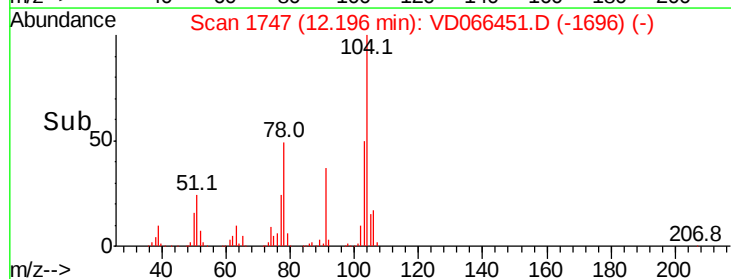
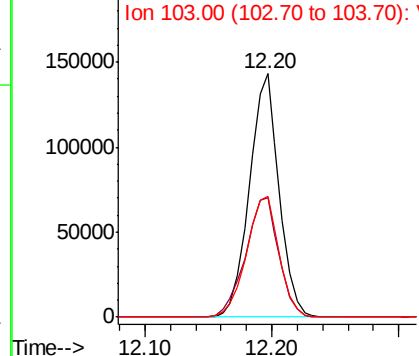


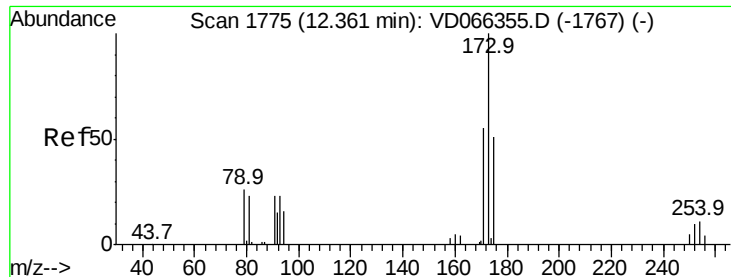
#70
Styrene
Concen: 54.907 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion:104 Resp: 231694
Ion Ratio Lower Upper
104 100
78 55.1 41.7 62.5
103 54.5 43.5 65.3



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





#71

Bromoform

Concen: 55.292 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

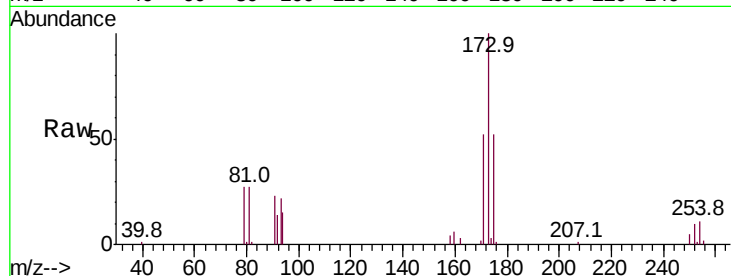
Tot Ion:173 Resp: 50476

Ion Ratio Lower Upper

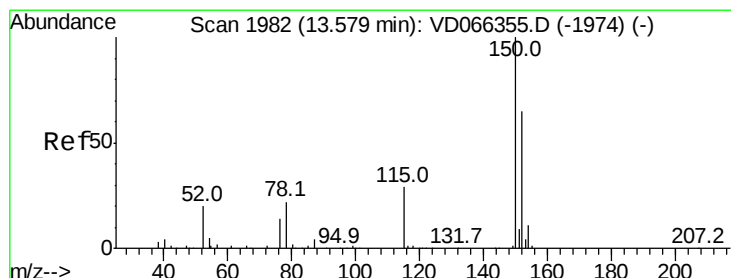
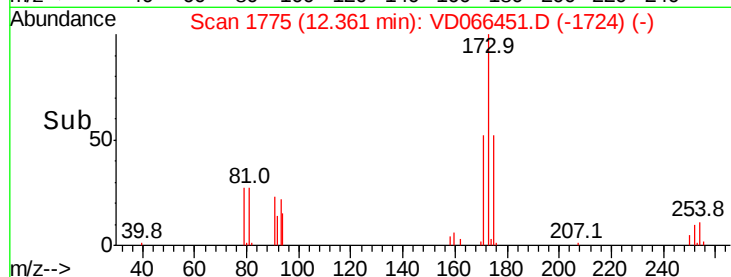
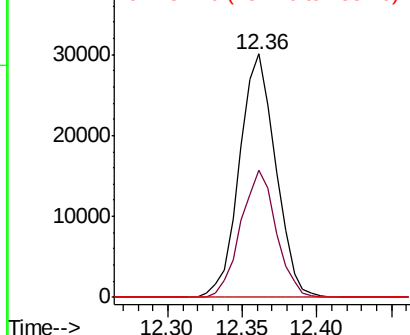
173 100

175 51.1 24.8 74.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

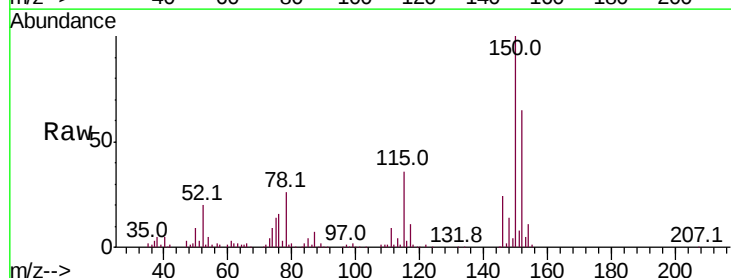
Tgt Ion:152 Resp: 108166

Ion Ratio Lower Upper

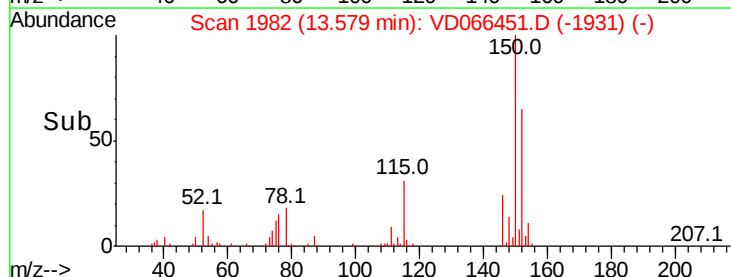
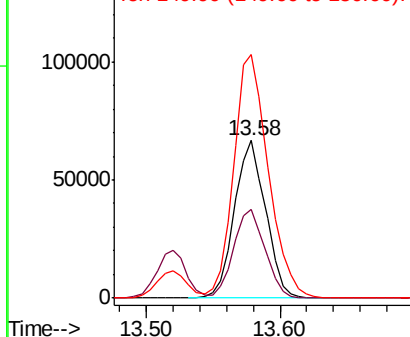
152 100

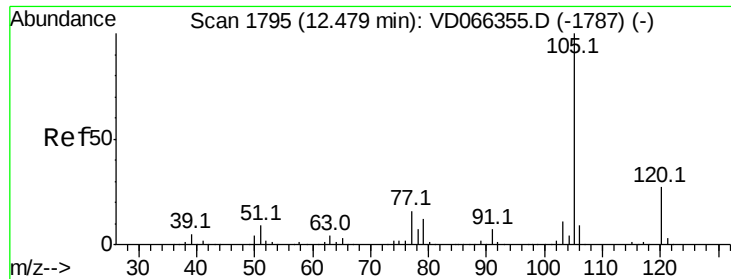
115 56.0 28.3 85.0

150 170.7 0.0 343.2



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





#73

Isopropylbenzene

Concen: 53.427 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

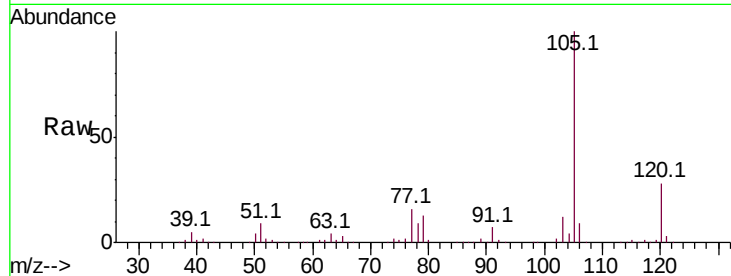
VSTDCCC050

Tot Ion:105 Resp: 387129

Ion Ratio Lower Upper

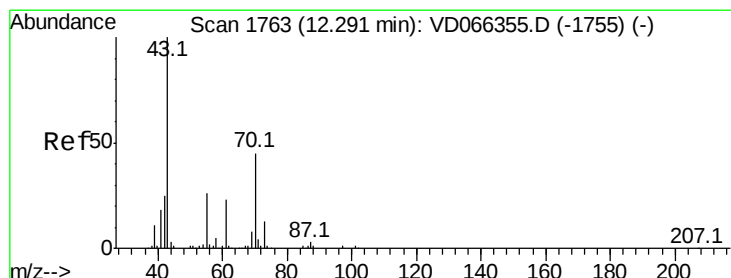
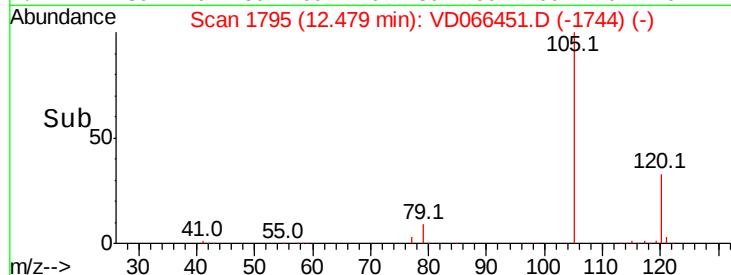
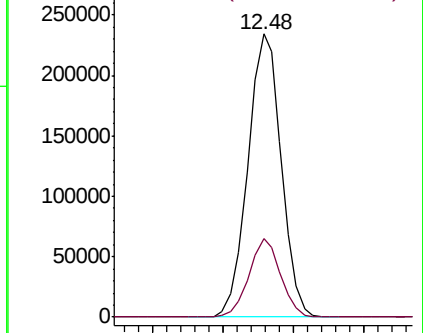
105 100

120 26.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.027 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Tgt Ion: 43 Resp: 62853

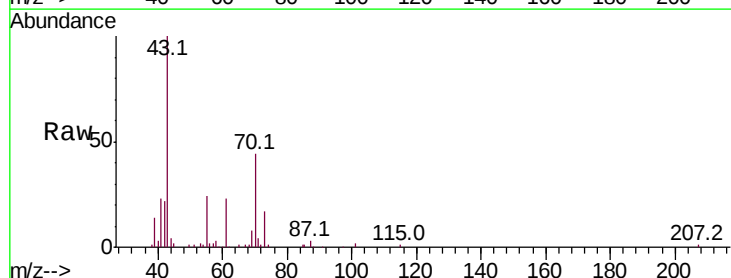
Ion Ratio Lower Upper

43 100

70 44.9 34.8 52.2

55 25.9 20.3 30.5

61 23.5 19.0 28.6

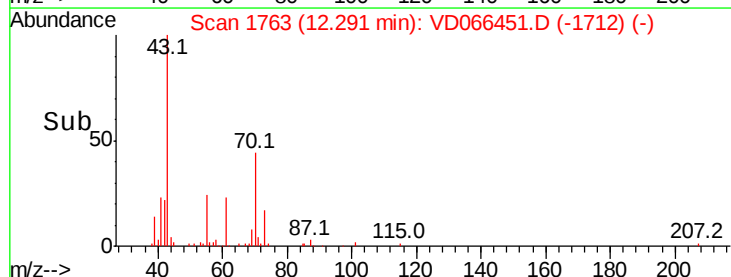
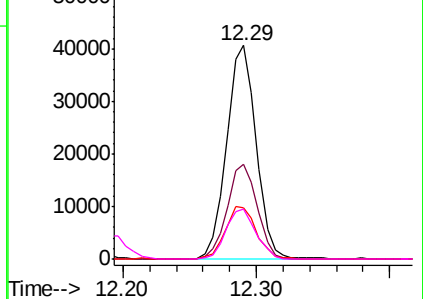


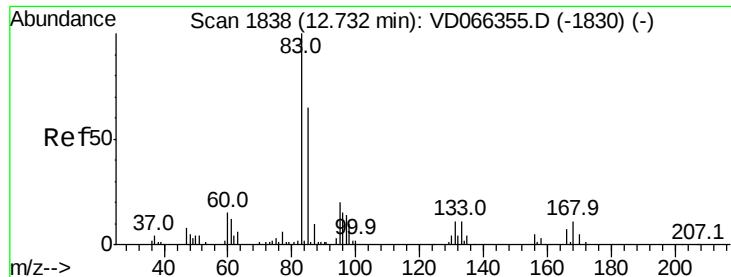
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 45.128 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

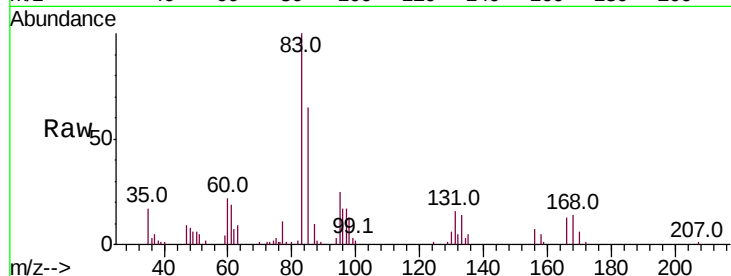
Tot Ion: 83 Resp: 46712

Ion Ratio Lower Upper

83 100

131 16.0 7.0 20.9

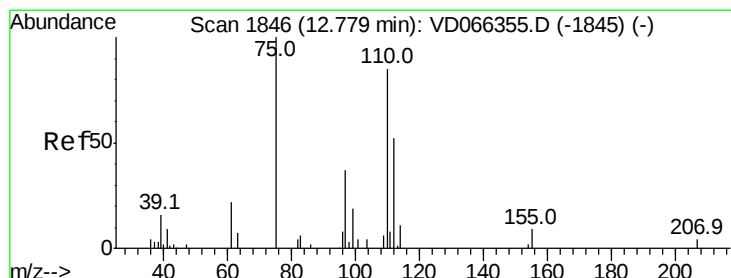
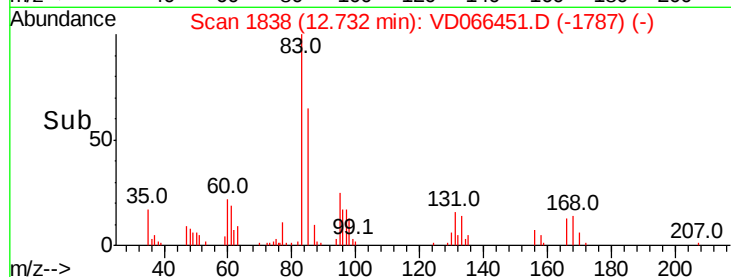
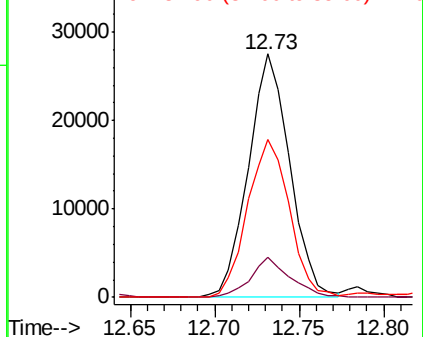
85 65.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 100.286 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066451.D

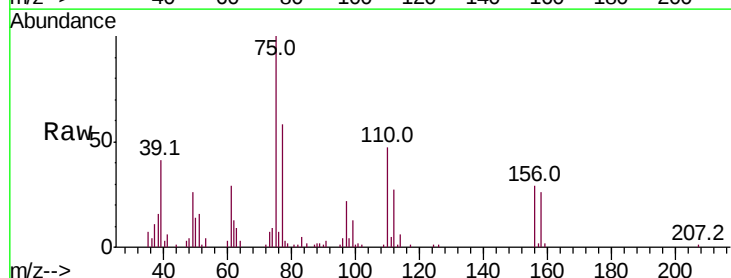
Acq: 28 Aug 2020 11:03

Tgt Ion: 75 Resp: 76313

Ion Ratio Lower Upper

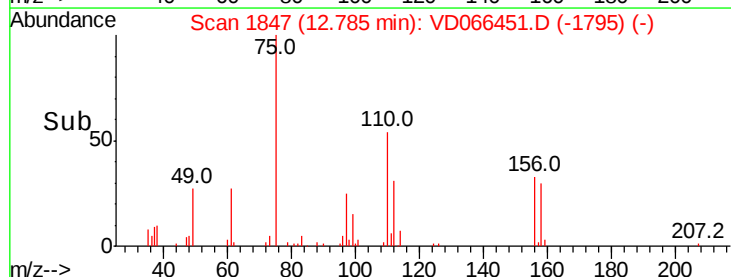
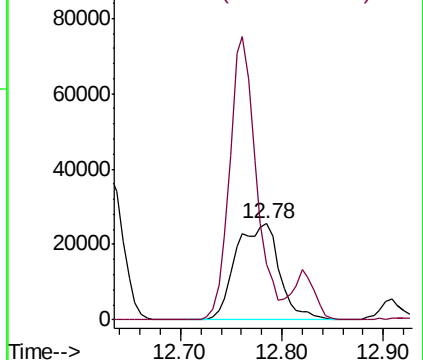
75 100

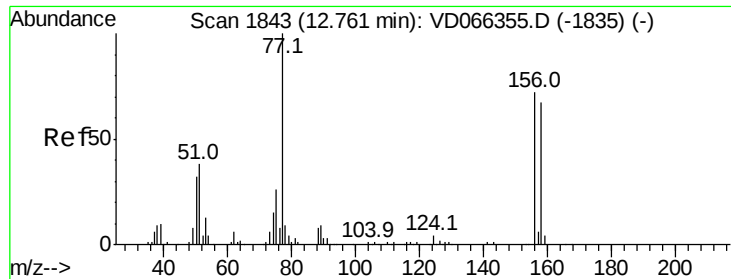
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

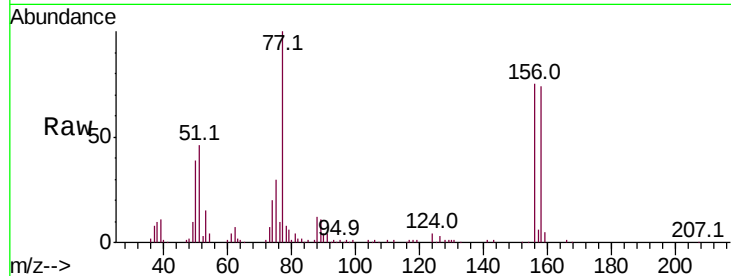




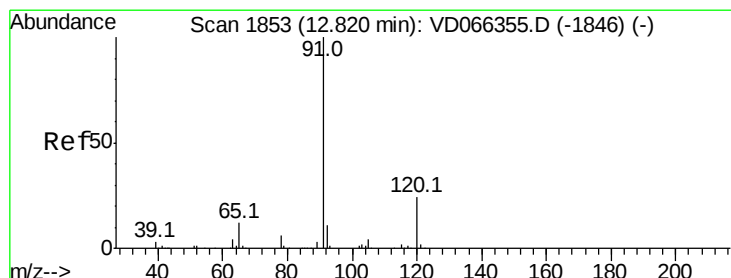
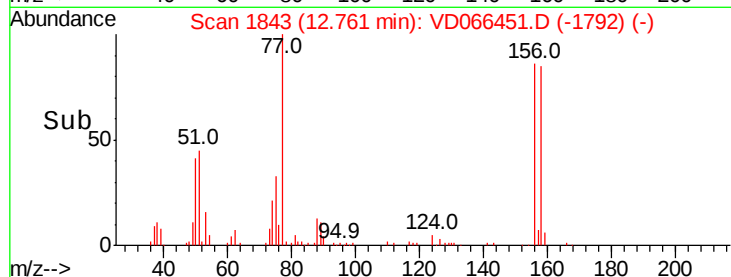
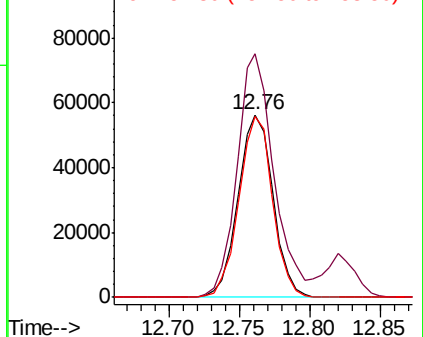
#77
Bromobenzene
Concen: 52.838 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 97176
Ion Ratio Lower Upper
156 100
77 142.4 76.1 228.3
158 95.6 47.6 142.9

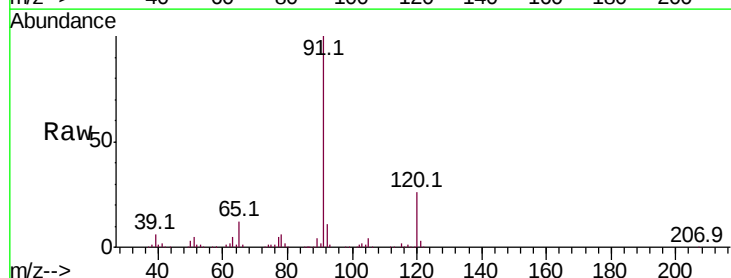


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.30): VDC
Ion 157.80 (157.50 to 158.10): V

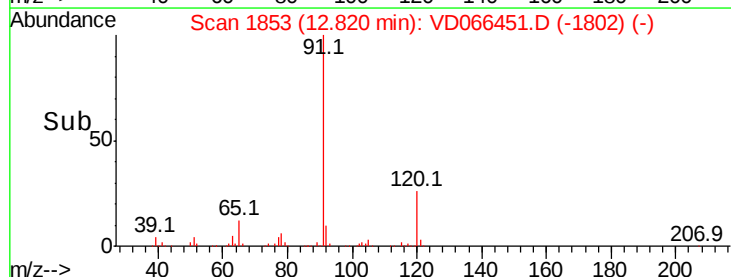
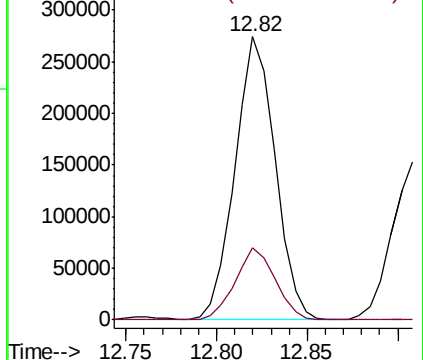


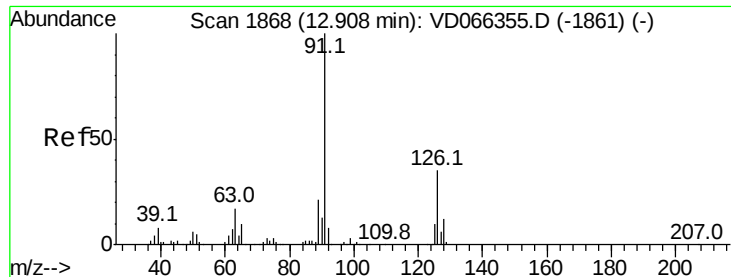
#78
n-propylbenzene
Concen: 50.768 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 91 Resp: 421793
Ion Ratio Lower Upper
91 100
120 25.4 12.0 36.0



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





#79

2-Chlorotoluene

Concen: 51.316 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

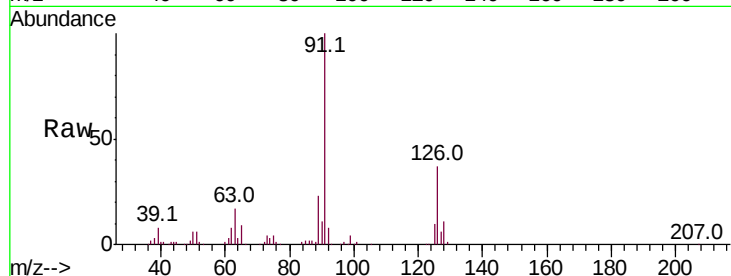
VSTDCCC050

Tot Ion: 91 Resp: 243503

Ion Ratio Lower Upper

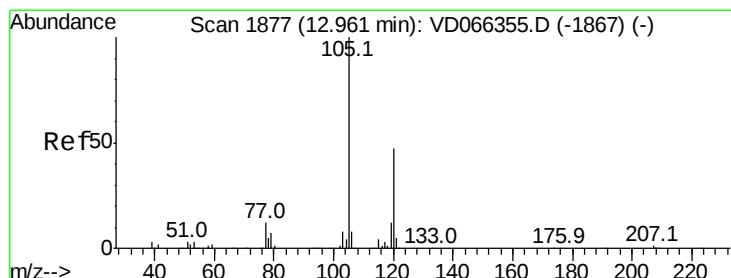
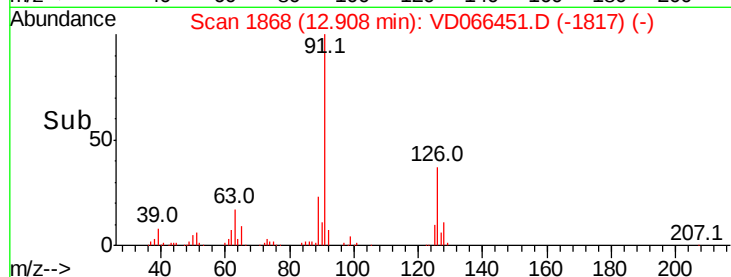
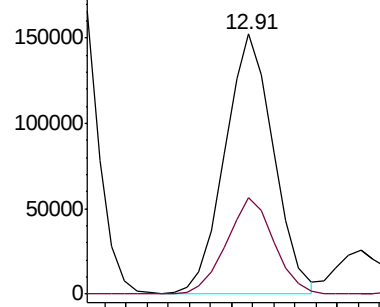
91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.209 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066451.D

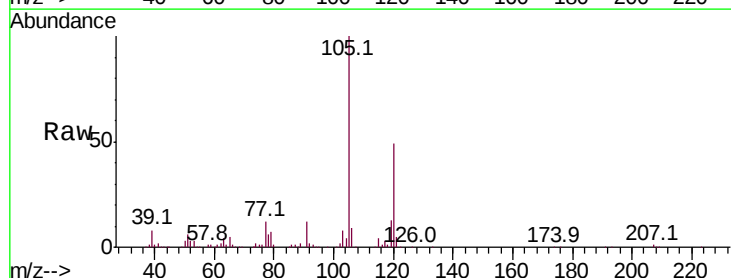
Acq: 28 Aug 2020 11:03

Tgt Ion:105 Resp: 332893

Ion Ratio Lower Upper

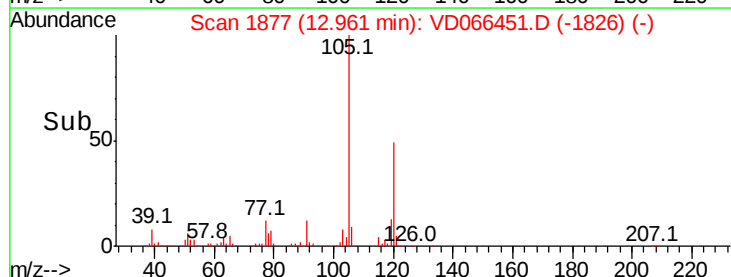
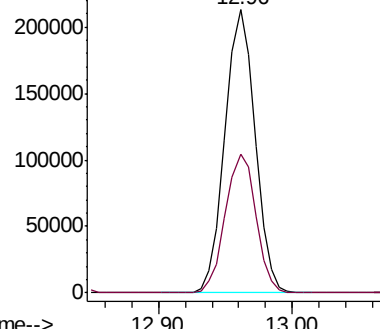
105 100

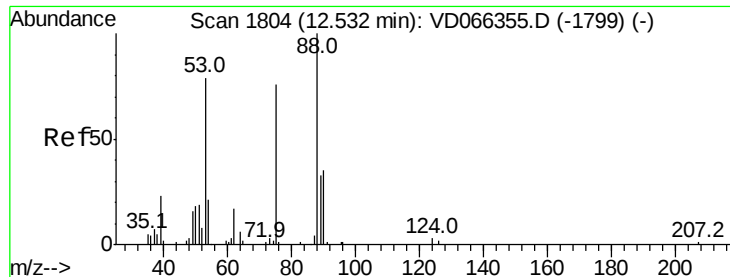
120 49.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.767 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

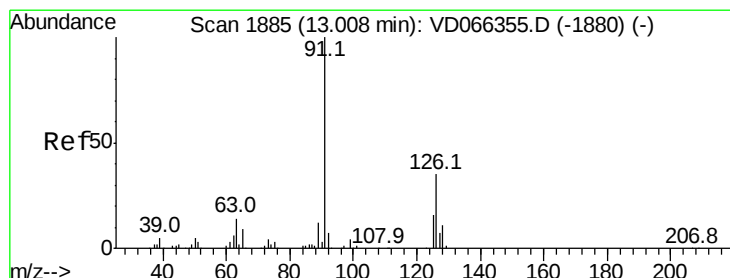
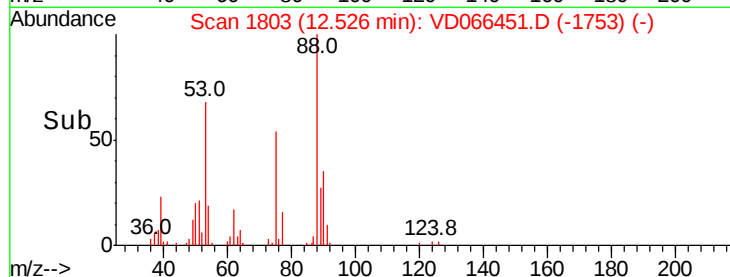
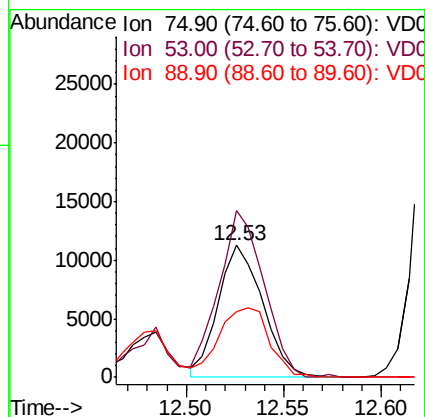
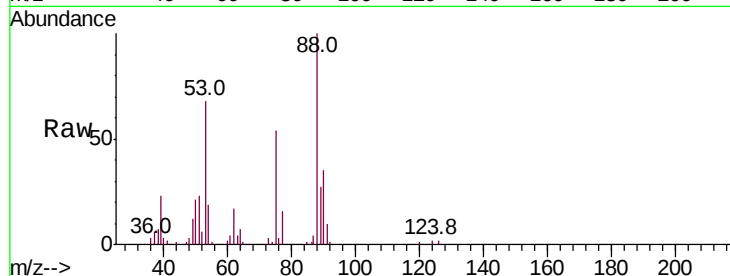
Tot Ion: 75 Resp: 17841

Ion Ratio Lower Upper

75 100

53 127.0 87.4 131.2

89 59.5 39.4 59.0#



#82

4-Chlorotoluene

Concen: 51.672 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066451.D

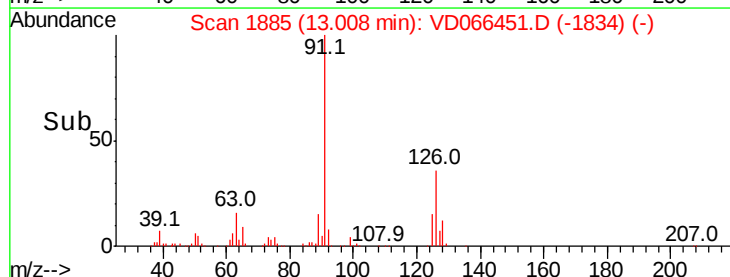
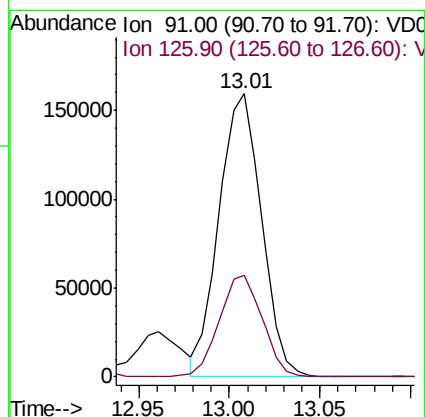
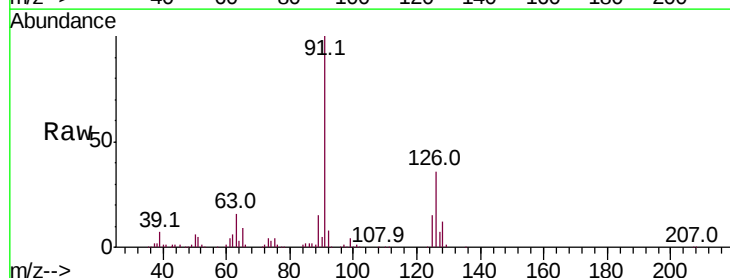
Acq: 28 Aug 2020 11:03

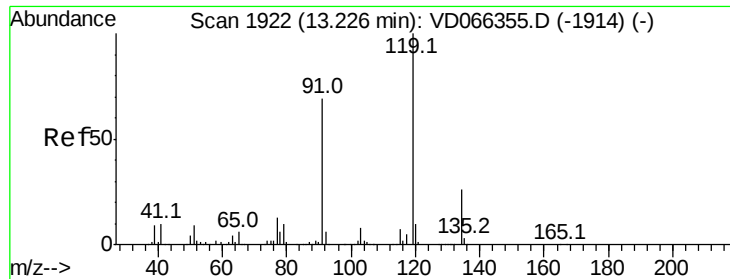
Tgt Ion: 91 Resp: 259772

Ion Ratio Lower Upper

91 100

126 36.4 17.4 52.2





#83

tert-Butylbenzene

Concen: 53.035 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

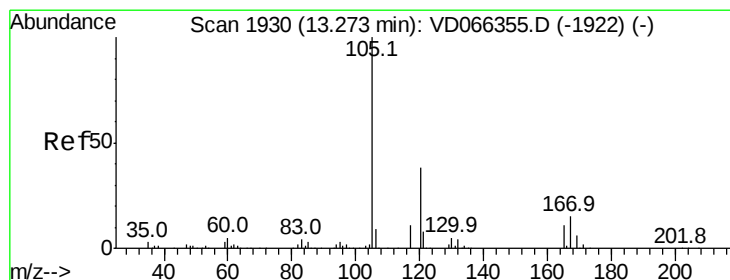
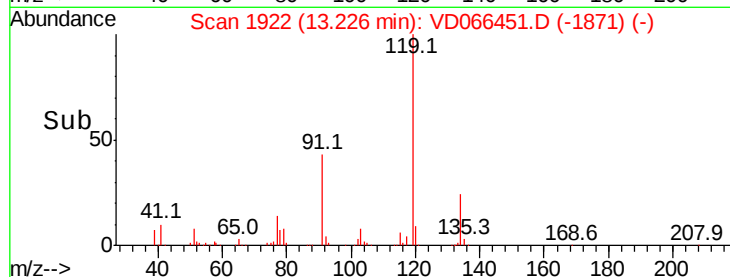
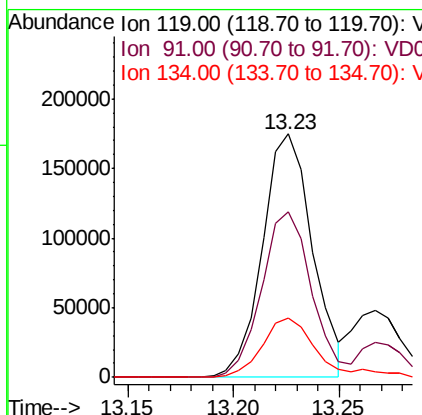
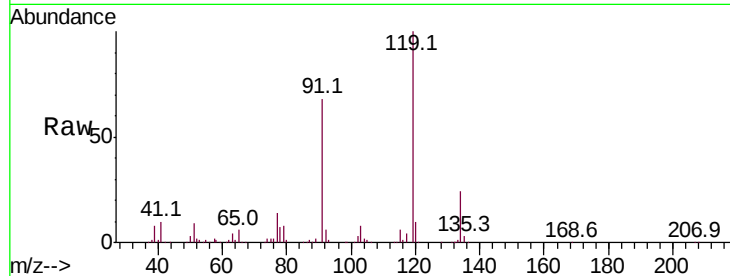
Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 288198

Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.5	100.5
134	27.0	13.5	40.4



#84

1,2,4-Trimethylbenzene

Concen: 53.819 ug/l

RT: 13.27 min Scan# 1930

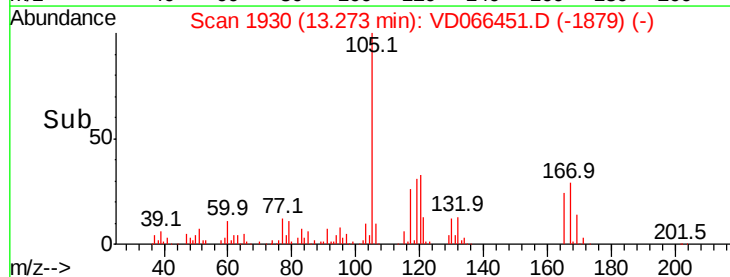
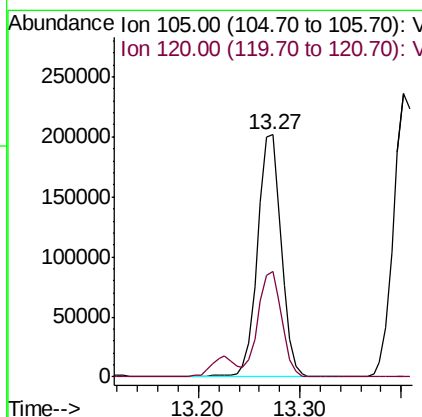
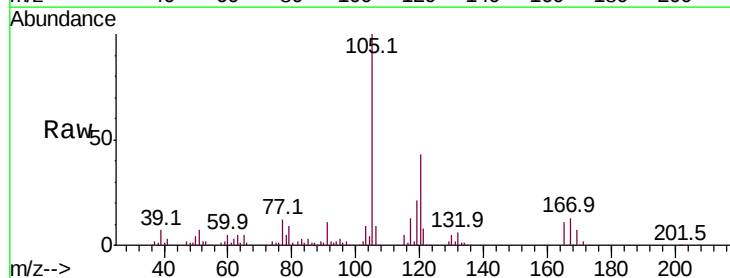
Delta R.T. -0.00 min

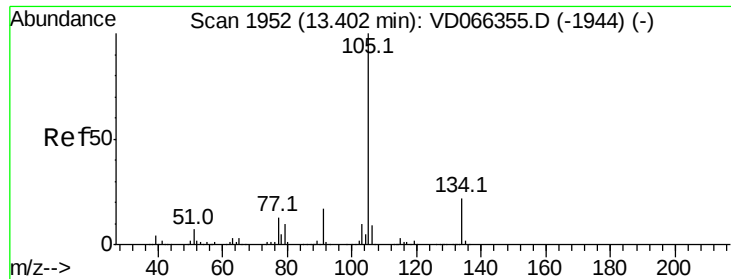
Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Tgt Ion:105 Resp: 330717

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 52.761 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

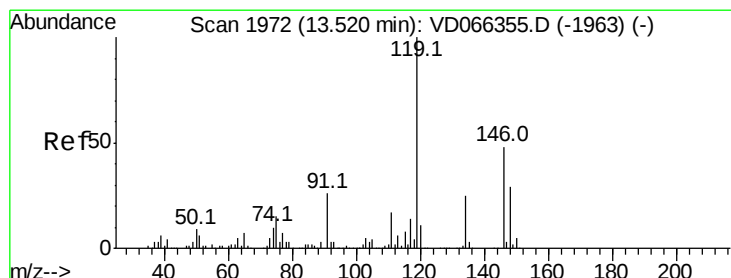
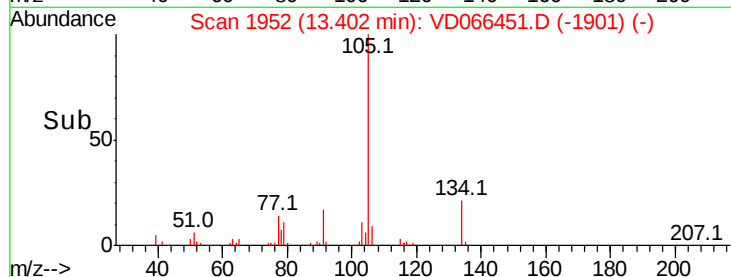
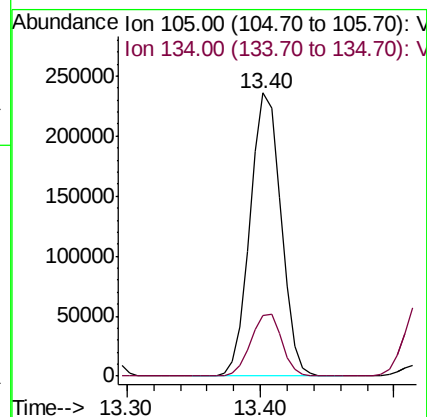
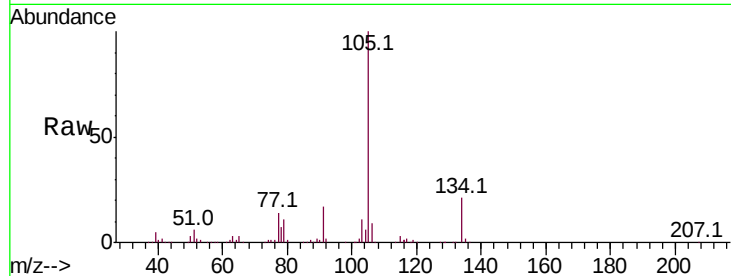
VSTDCCC050

Tot Ion:105 Resp: 375648

Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.4



#86

p-Isopropyltoluene

Concen: 53.849 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

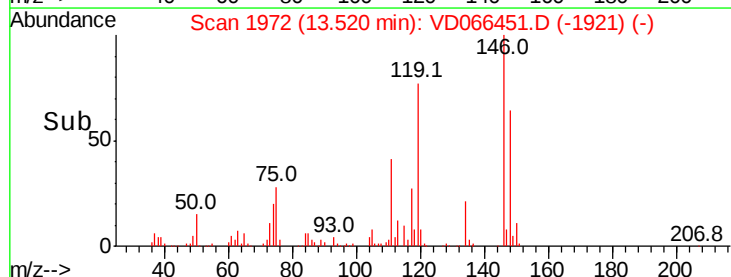
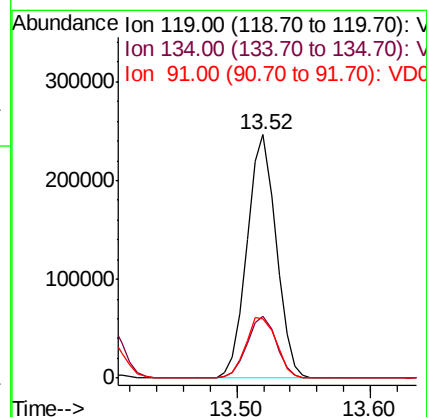
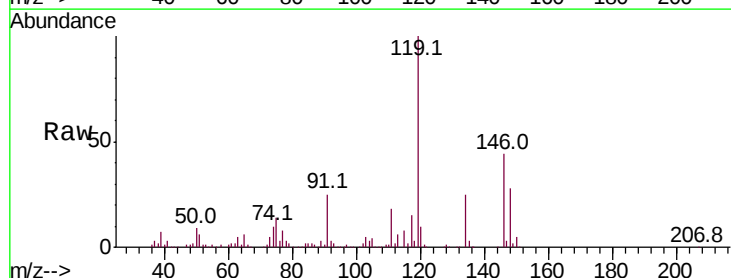
Tgt Ion:119 Resp: 369684

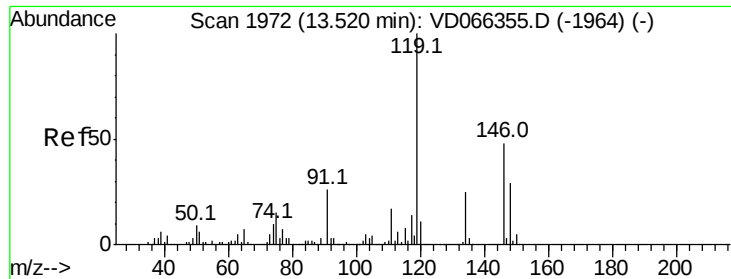
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 26.4 12.7 38.0

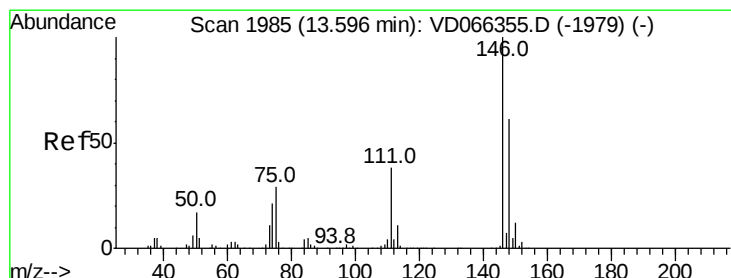
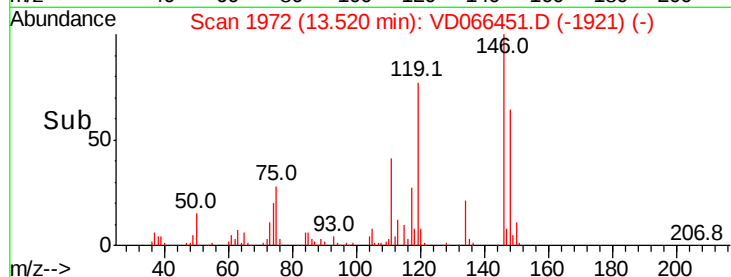
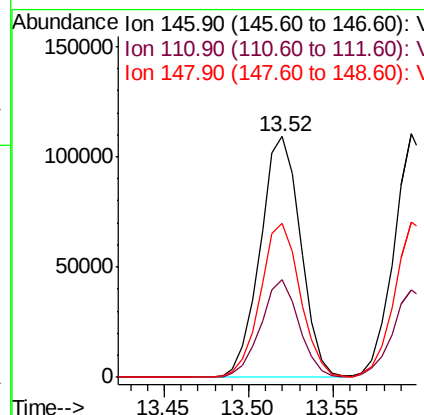
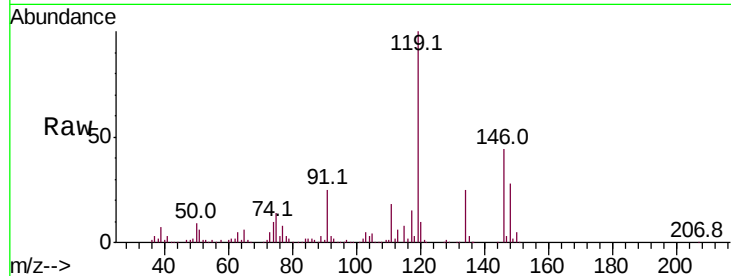




#87
 1,3-Dichlorobenzene
 Concen: 52.817 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

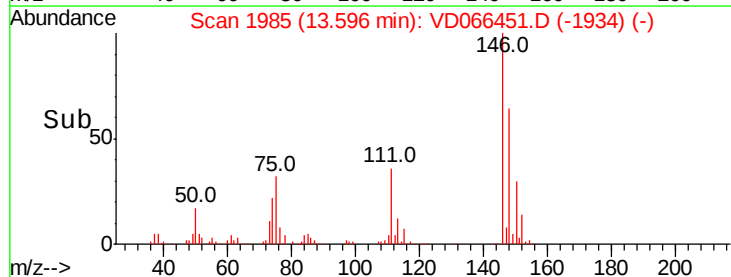
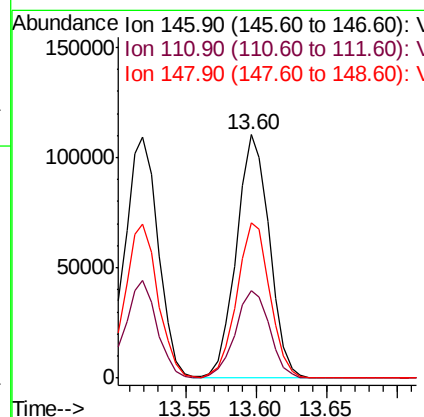
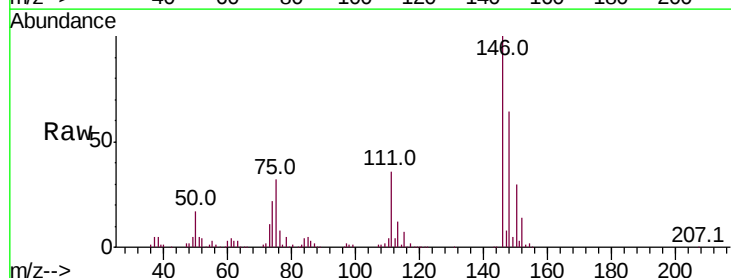
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

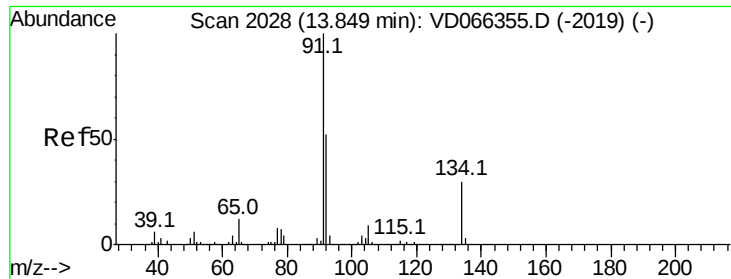
Tot Ion:146 Resp: 181322
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.9
 148 63.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.259 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion:146 Resp: 180137
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.5
 148 63.8 32.1 96.3

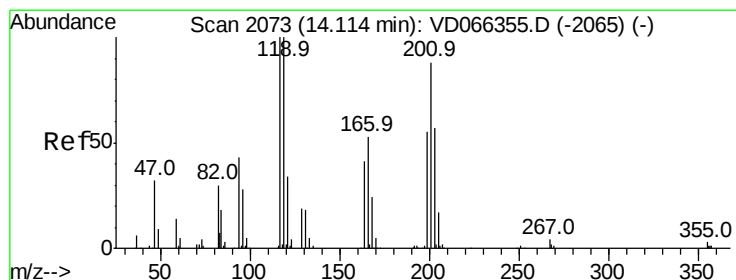
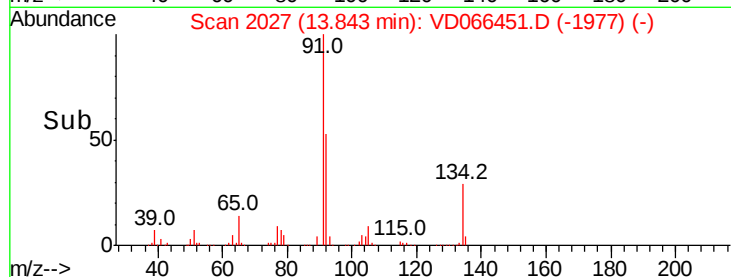
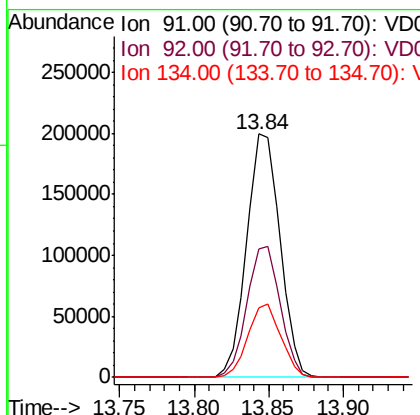
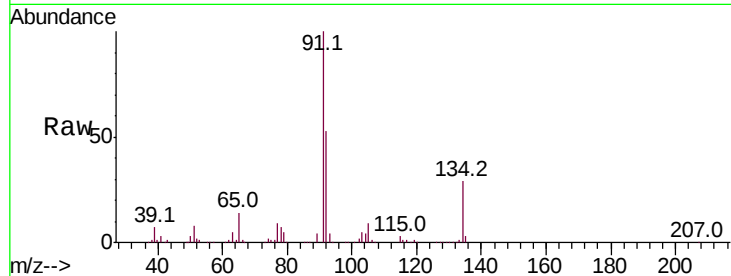




#89
n-Butylbenzene
Concen: 50.875 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

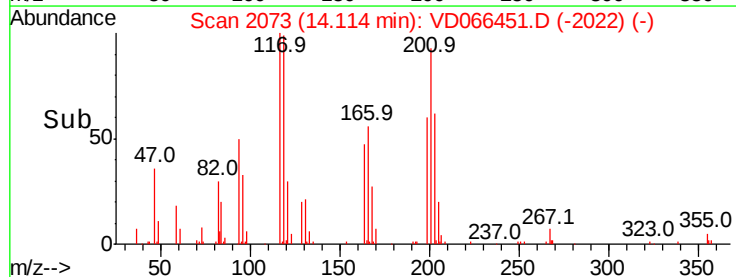
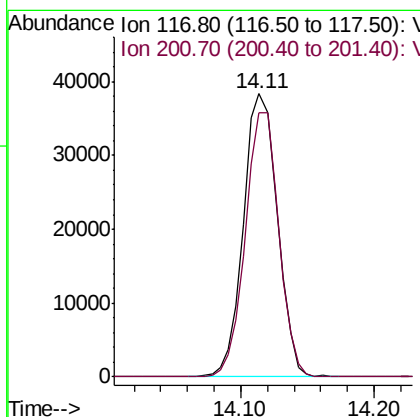
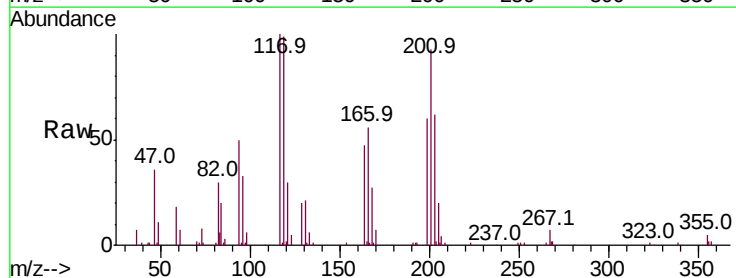
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

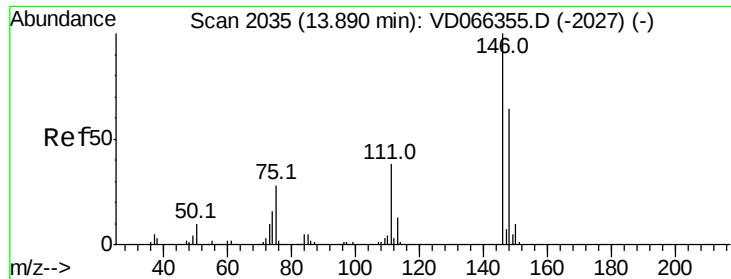
Tot Ion: 91 Resp: 308208
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 29.7 14.4 43.4



#90
Hexachloroethane
Concen: 49.704 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion: 117 Resp: 67406
Ion Ratio Lower Upper
117 100
201 91.9 45.4 136.2





#91

1,2-Dichlorobenzene

Concen: 53.408 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

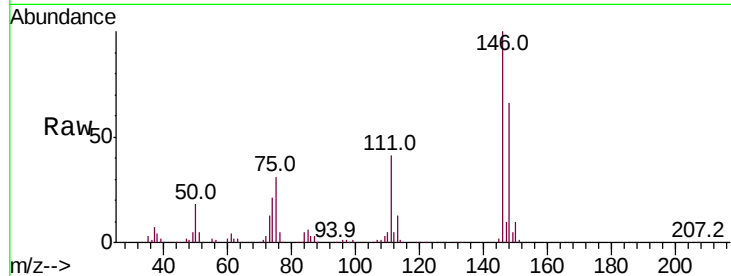
Tot Ion:146 Resp: 157841

Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.7

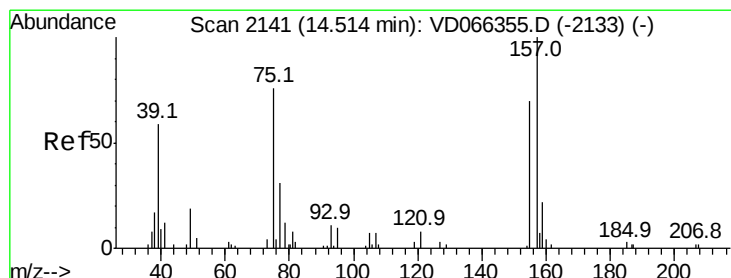
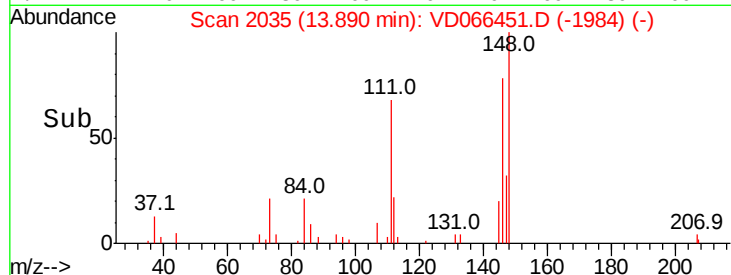
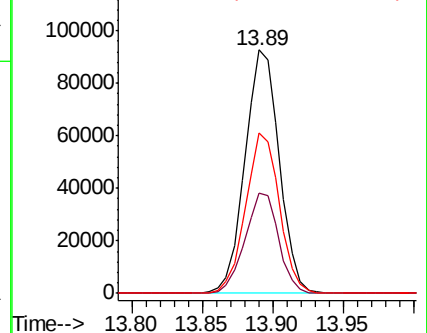
148 64.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.237 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066451.D

Acq: 28 Aug 2020 11:03

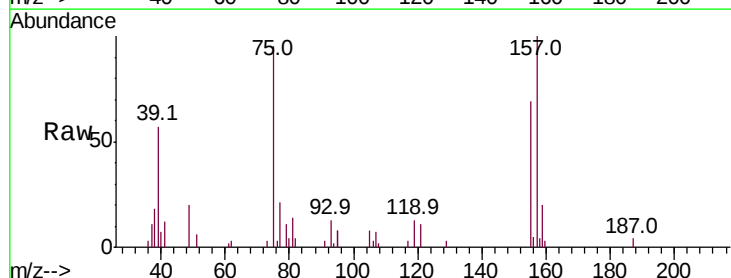
Tgt Ion: 75 Resp: 12209

Ion Ratio Lower Upper

75 100

155 81.0 46.9 140.6

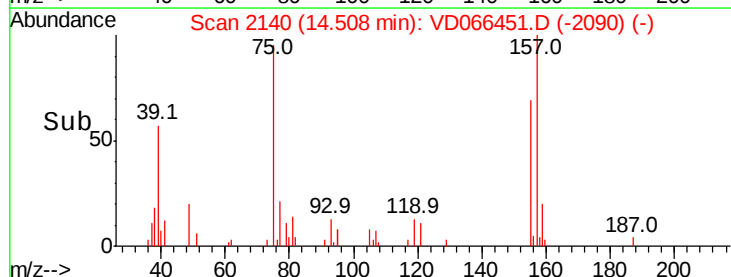
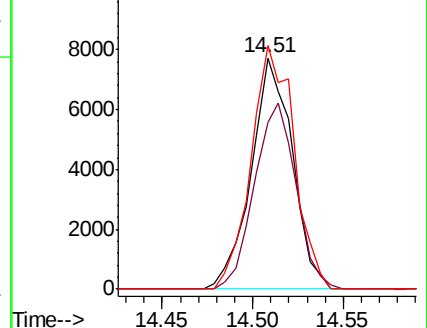
157 109.2 61.0 183.0

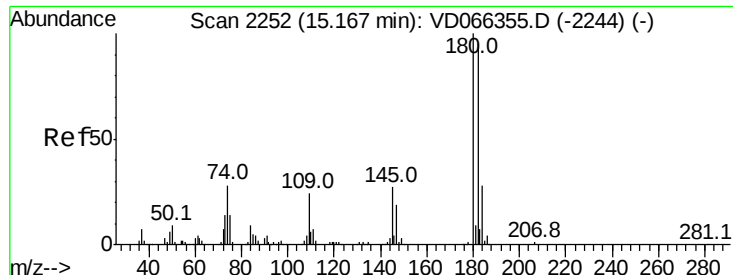


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

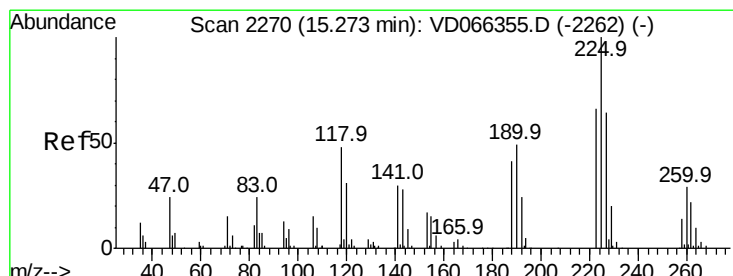
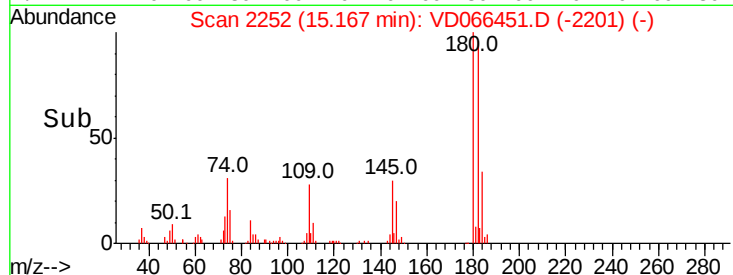
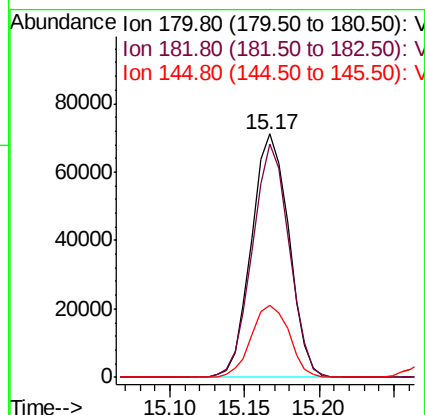
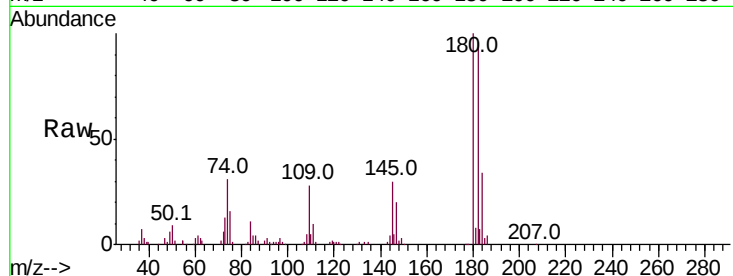




#93
 1,2,4-Trichlorobenzene
 Concen: 53.437 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

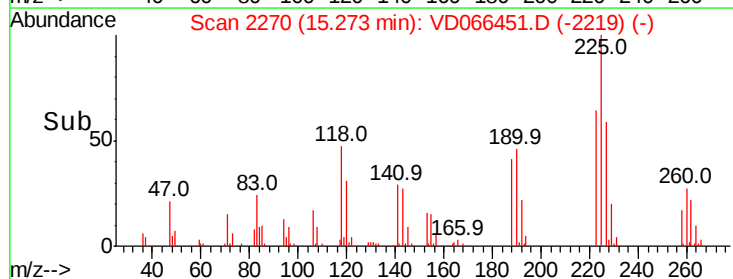
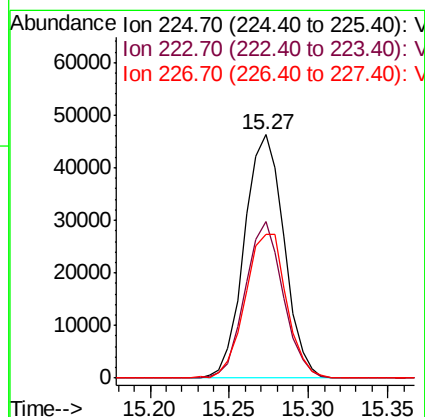
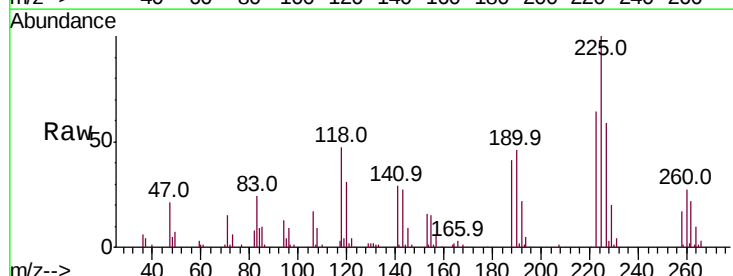
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

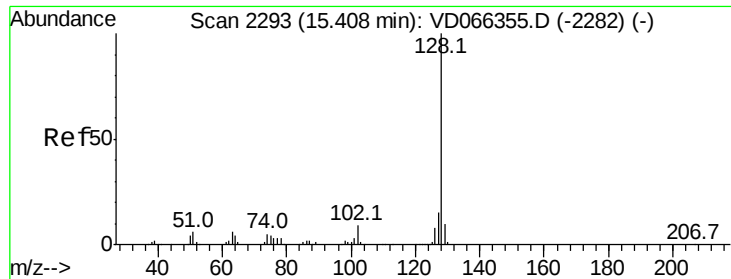
Tot Ion:180	Resp:	123291
Ion Ratio	Lower	Upper
180	100	
182	94.5	48.0 144.0
145	30.0	15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 56.178 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066451.D
 Acq: 28 Aug 2020 11:03

Tgt Ion:225	Resp:	80548
Ion Ratio	Lower	Upper
225	100	
223	61.6	32.5 97.4
227	61.7	33.0 98.9

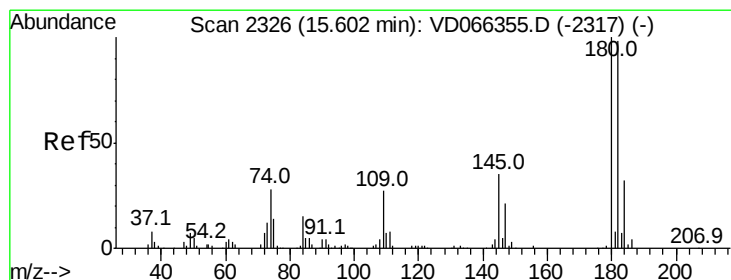
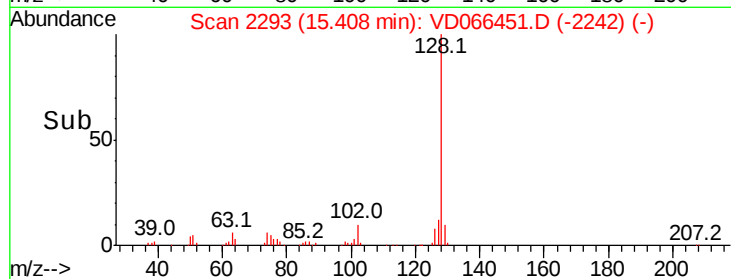
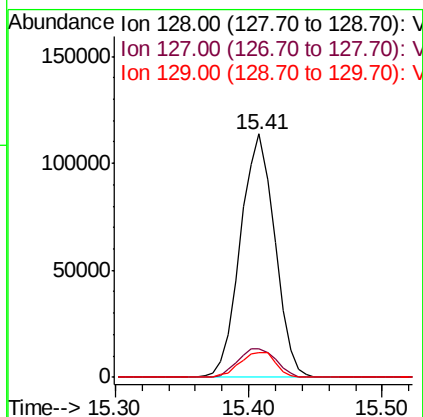
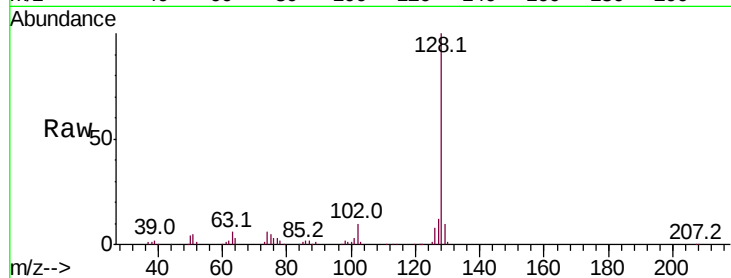




#95
Naphthalene
Concen: 55.810 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.713 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066451.D
Acq: 28 Aug 2020 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.7	140.0
145	32.6	16.0	48.0

