

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066840.D
 Acq On : 24 Sep 2020 10:04
 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: Sep 25 01:08:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	429744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	634794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	582195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185769	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	
35) Dibromofluoromethane	7.91	113	195874	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.33	98	697159	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.63	95	240632	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	146802	48.857	ug/l	92
3) Chloromethane	2.21	50	160405	40.625	ug/l	96
4) Vinyl Chloride	2.35	62	180118	46.174	ug/l	96
5) Bromomethane	2.77	94	113733	41.481	ug/l	97
6) Chloroethane	2.92	64	105652	43.615	ug/l	97
7) Trichlorofluoromethane	3.27	101	366651	45.767	ug/l	95
8) Diethyl Ether	3.70	74	88862	43.692	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	215843	46.464	ug/l	98
10) Methyl Iodide	4.30	142	209766	51.172	ug/l	98
11) Tert butyl alcohol	5.20	59	49170	180.148	ug/l	99
12) 1,1-Dichloroethene	4.06	96	193024	45.869	ug/l	98
13) Acrolein	3.92	56	60997	196.582	ug/l	94
14) Allyl chloride	4.71	41	277241	44.866	ug/l	99
15) Acrylonitrile	5.41	53	202621	224.807	ug/l	98
16) Acetone	4.15	43	201178	225.467	ug/l	97
17) Carbon Disulfide	4.40	76	577213	44.865	ug/l	98
18) Methyl Acetate	4.71	43	91017	45.382	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	424519	46.453	ug/l	100
20) Methylene Chloride	4.96	84	220501	45.234	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	228631	46.922	ug/l	94
22) Diisopropyl ether	6.36	45	585867	46.112	ug/l	100
23) Vinyl Acetate	6.30	43	1530186	222.130	ug/l	98
24) 1,1-Dichloroethane	6.26	63	380612	44.780	ug/l	99
25) 2-Butanone	7.21	43	225600	210.395	ug/l	92
26) 2,2-Dichloropropane	7.21	77	351677	45.143	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245981	46.463	ug/l	99
28) Bromochloromethane	7.54	49	166457	47.405	ug/l #	97
29) Tetrahydrofuran	7.56	42	155670	226.575	ug/l	97
30) Chloroform	7.71	83	414940	45.289	ug/l	100
31) Cyclohexane	7.98	56	342217	44.747	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	380733	45.937	ug/l	99
36) 1,1-Dichloropropene	8.10	75	323030	51.294	ug/l	99
37) Ethyl Acetate	7.29	43	112137	49.255	ug/l	99
38) Carbon Tetrachloride	8.09	117	348825	50.664	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	387236	53.555	ug/l	98
40) Benzene	8.34	78	873540	49.770	ug/l	99
41) Methacrylonitrile	7.56	41	155929	111.372	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	248634	47.919	ug/l	98
43) Isopropyl Acetate	8.44	43	212523	48.419	ug/l	98
44) Trichloroethene	9.11	130	247157	49.404	ug/l	99
45) 1,2-Dichloropropane	9.38	63	213734	48.400	ug/l	95
46) Dibromomethane	9.47	93	119480	49.798	ug/l	98
47) Bromodichloromethane	9.66	83	319879	49.630	ug/l	97
48) Methyl methacrylate	9.45	41	108374	50.078	ug/l	94
49) 1,4-Dioxane	9.46	88	29331	1087.010	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	565502	254.264	ug/l	98
52) Toluene	10.40	92	580334	51.332	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	279700	50.986	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	333959	49.926	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	167000	50.631	ug/l	95
56) Ethyl methacrylate	10.66	69	186326	52.732	ug/l	99
57) 1,3-Dichloropropane	10.94	76	272339	50.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	405937	242.629	ug/l	98
59) 2-Hexanone	10.98	43	385770	257.204	ug/l	99
60) Dibromochloromethane	11.14	129	220182	51.148	ug/l	99
61) 1,2-Dibromoethane	11.24	107	158136	51.545	ug/l	99
64) Tetrachloroethene	10.87	164	218020	52.061	ug/l	96
65) Chlorobenzene	11.67	112	606856	50.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232539	50.699	ug/l	99
67) Ethyl Benzene	11.74	91	1111516	52.222	ug/l	97
68) m/p-Xylenes	11.85	106	869642	107.916	ug/l	98
69) o-Xylene	12.18	106	380386	52.202	ug/l	100
70) Styrene	12.19	104	667496	52.748	ug/l	99
71) Bromoform	12.36	173	116652	50.231	ug/l #	99
73) Isopropylbenzene	12.48	105	1074724	52.712	ug/l	97
74) N-amyl acetate	12.28	43	198542	49.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172431	49.012	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	223455	95.538	ug/l #	100
77) Bromobenzene	12.76	156	240926	50.526	ug/l	96
78) n-propylbenzene	12.82	91	1295733	52.826	ug/l	100
79) 2-Chlorotoluene	12.91	91	699806	50.067	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	907417	52.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	42306	45.254	ug/l	95
82) 4-Chlorotoluene	13.00	91	746278	50.649	ug/l	100
83) tert-Butylbenzene	13.23	119	765593	53.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	905227	52.768	ug/l	99
85) sec-Butylbenzene	13.40	105	1077612	52.715	ug/l	100
86) p-Isopropyltoluene	13.51	119	1005632	54.575	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	470187	49.910	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460570	49.224	ug/l	99
89) n-Butylbenzene	13.84	91	932664	53.252	ug/l	100
90) Hexachloroethane	14.11	117	184702	49.373	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	404743	50.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26599	47.000	ug/l	91

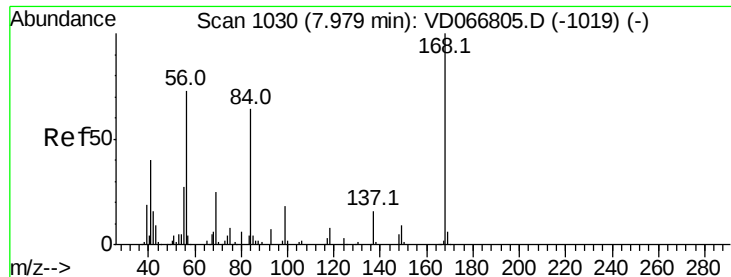
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	264430	52.118	ug/l	97
94) Hexachlorobutadiene	15.27	225	162662	53.500	ug/l	99
95) Naphthalene	15.40	128	449660	52.201	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	225247	51.436	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

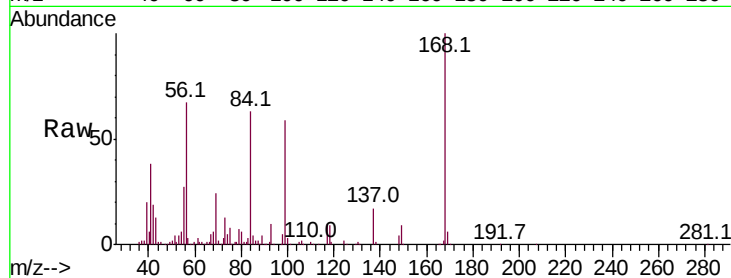
VSTDCCC050

Tot Ion:168 Resp: 429744

Ion Ratio Lower Upper

168 100

99 59.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

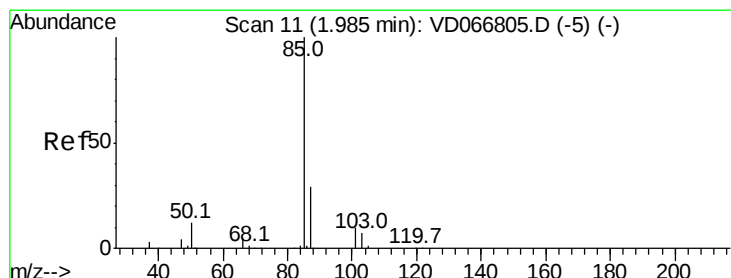
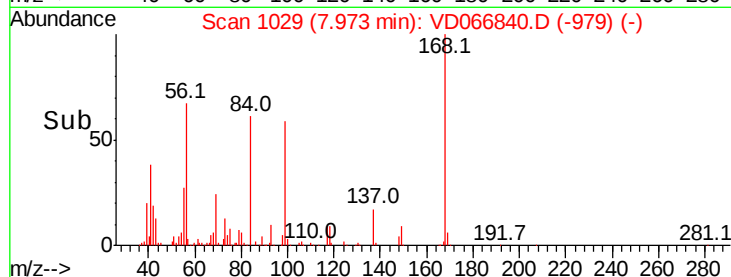
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.857 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066840.D

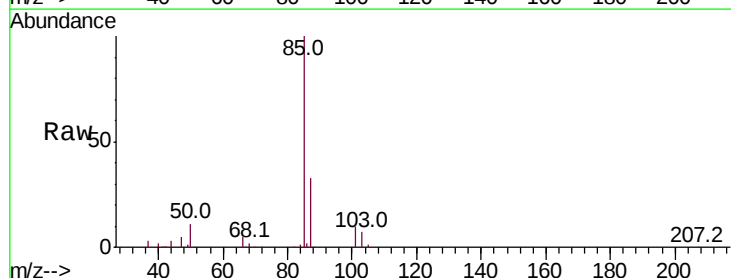
Acq: 24 Sep 2020 10:04

Tgt Ion: 85 Resp: 146802

Ion Ratio Lower Upper

85 100

87 33.4 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

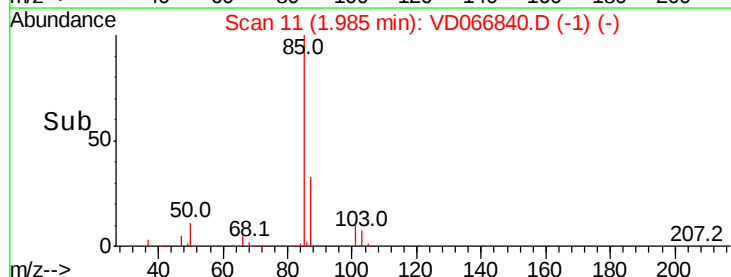
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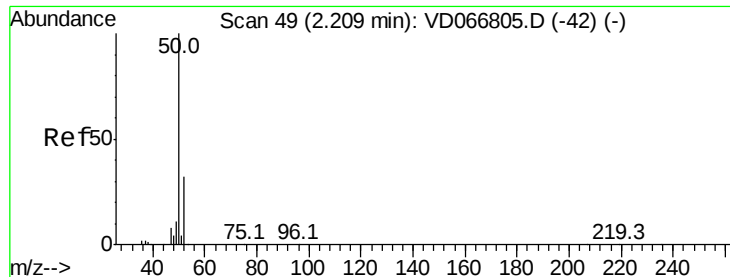
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.625 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

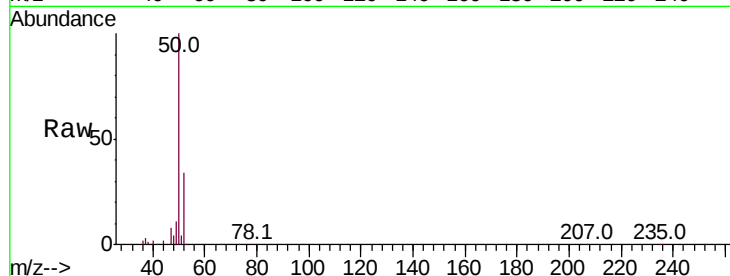
VSTDCCC050

Tot Ion: 50 Resp: 160405

Ion Ratio Lower Upper

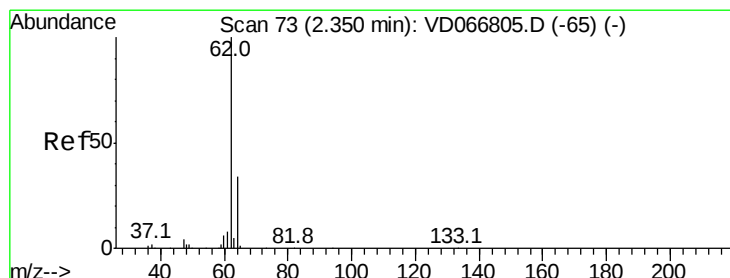
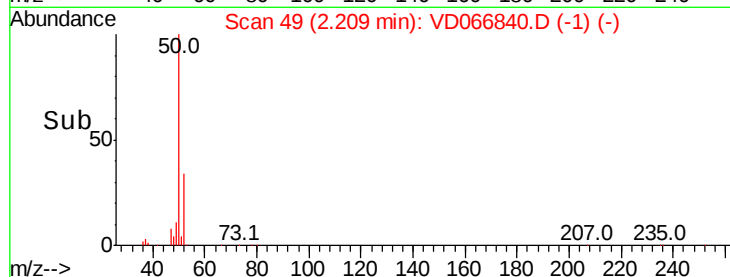
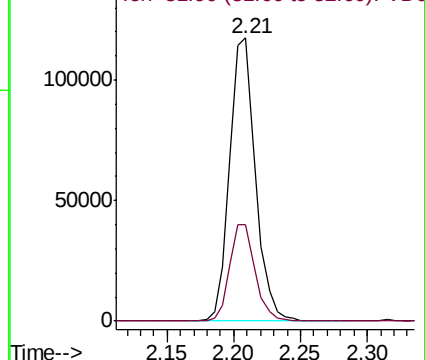
50 100

52 34.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.174 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066840.D

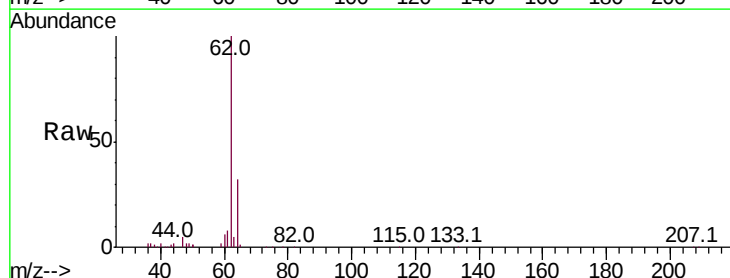
Acq: 24 Sep 2020 10:04

Tgt Ion: 62 Resp: 180118

Ion Ratio Lower Upper

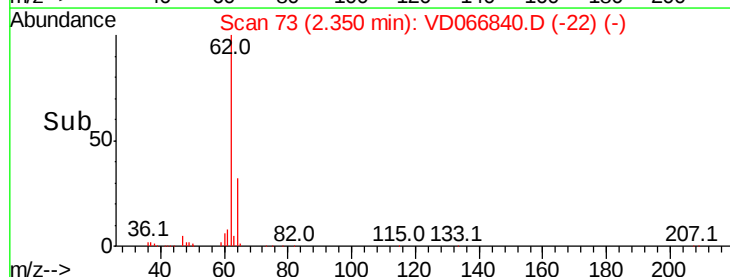
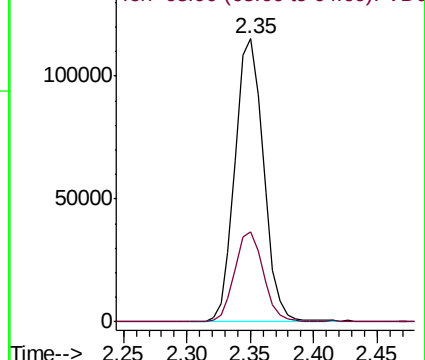
62 100

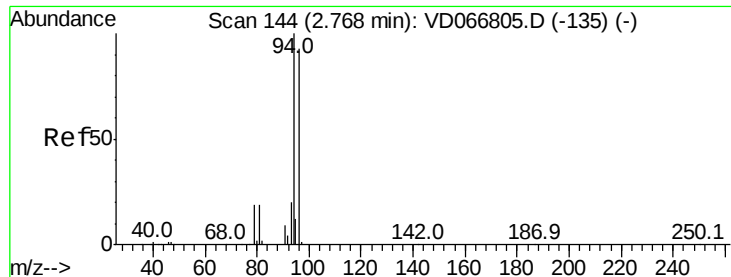
64 31.7 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.481 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

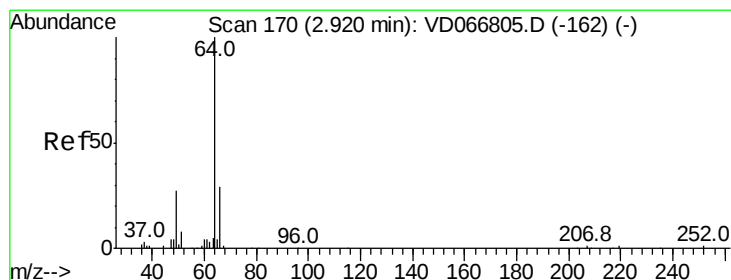
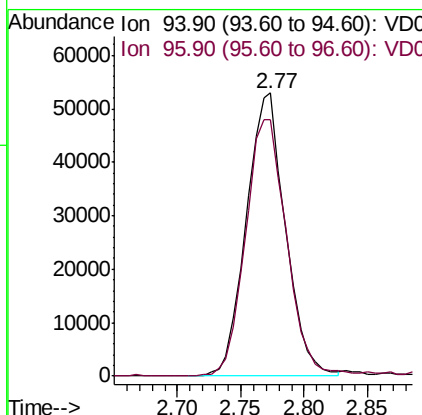
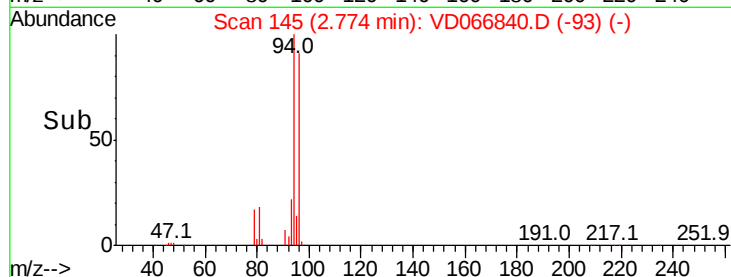
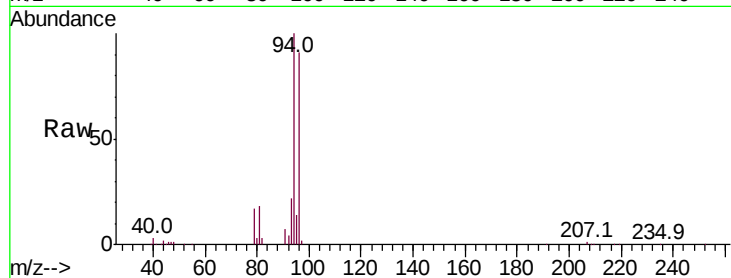
VSTDCCC050

Tot Ion: 94 Resp: 113733

Ion Ratio Lower Upper

94 100

96 90.2 74.3 111.5



#6

Chloroethane

Concen: 43.615 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066840.D

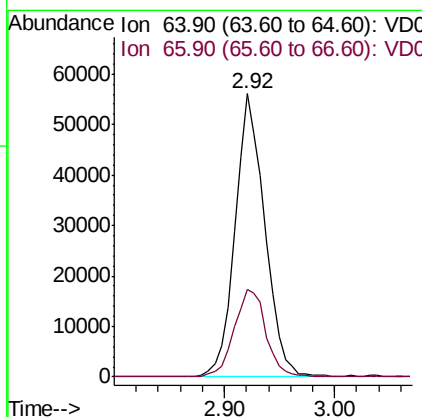
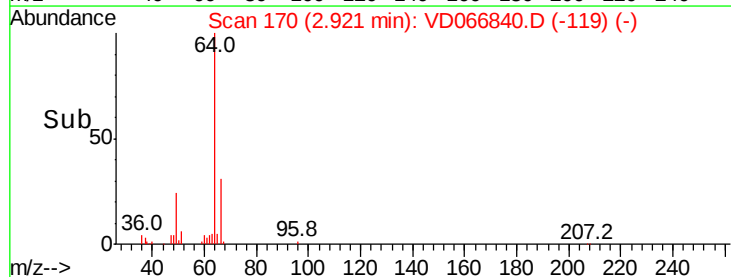
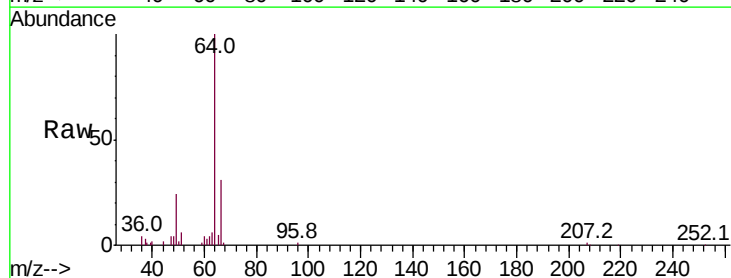
Acq: 24 Sep 2020 10:04

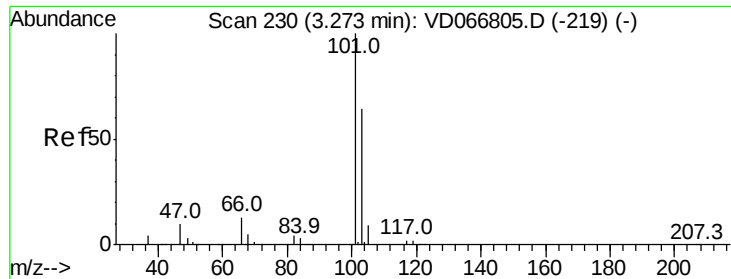
Tgt Ion: 64 Resp: 105652

Ion Ratio Lower Upper

64 100

66 30.9 23.3 34.9



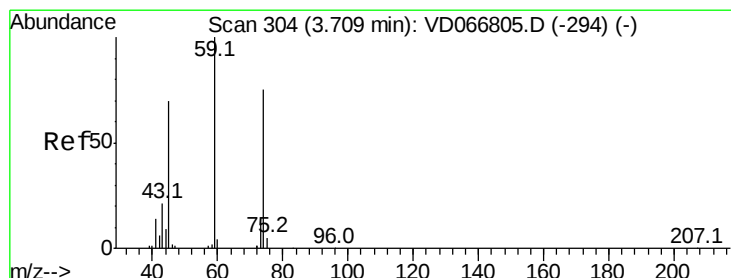
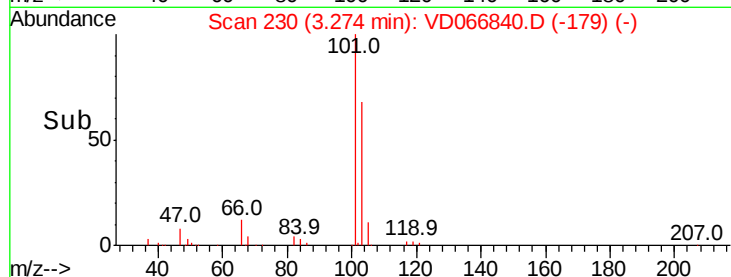
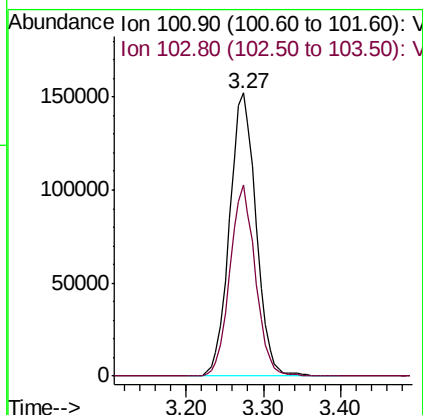
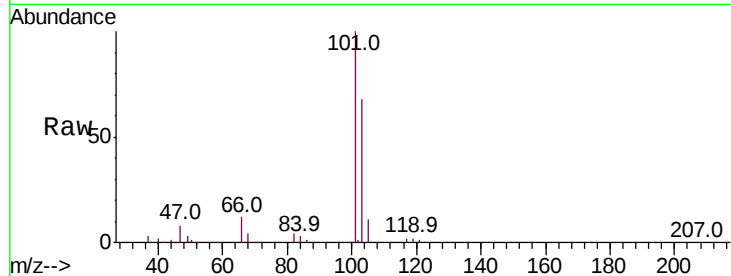


#7

Trichlorofluoromethane
Concen: 45.767 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Instrument :
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VSTDCCC050

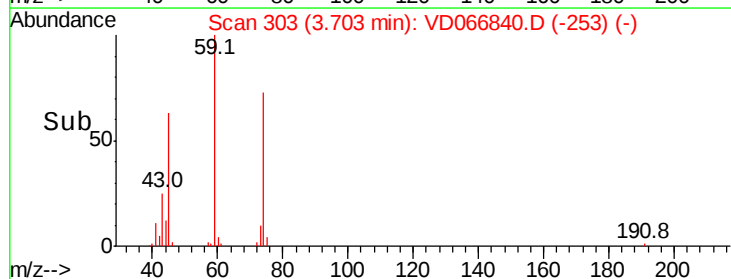
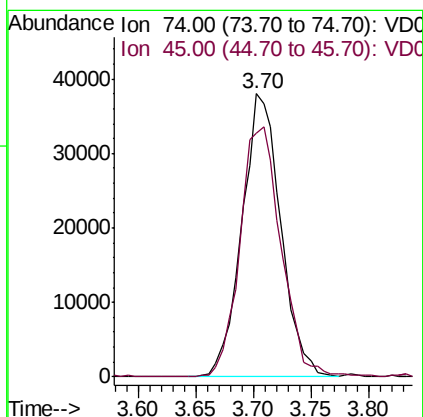
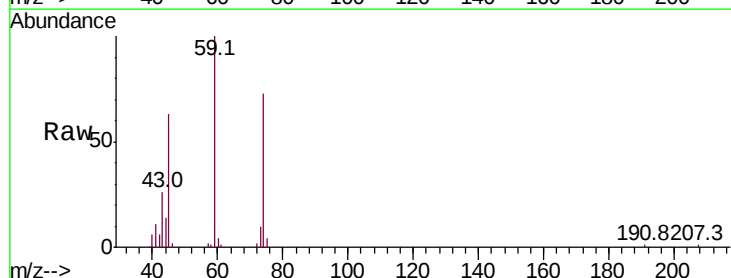
Tot Ion:101 Resp: 366651
Ion Ratio Lower Upper
101 100
103 67.8 51.0 76.6

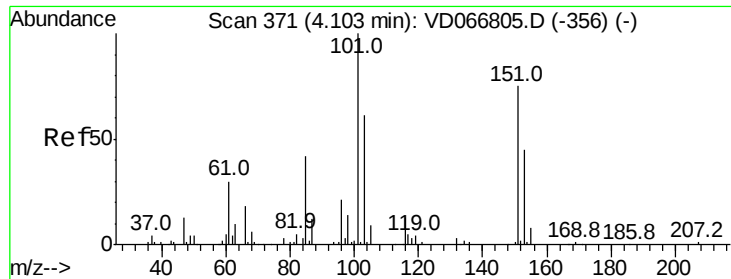


#8

Diethyl Ether
Concen: 43.692 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 74 Resp: 88862
Ion Ratio Lower Upper
74 100
45 94.0 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.464 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

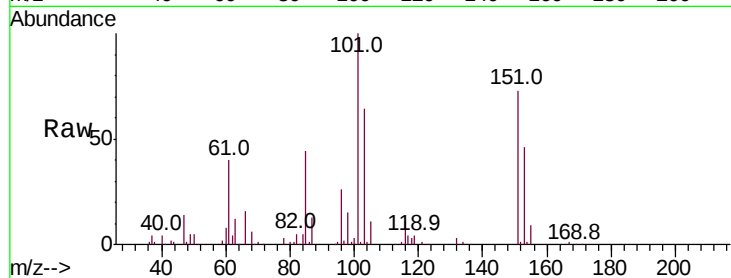
Tot Ion:101 Resp: 215843

Ion Ratio Lower Upper

101 100

85 42.9 35.4 53.2

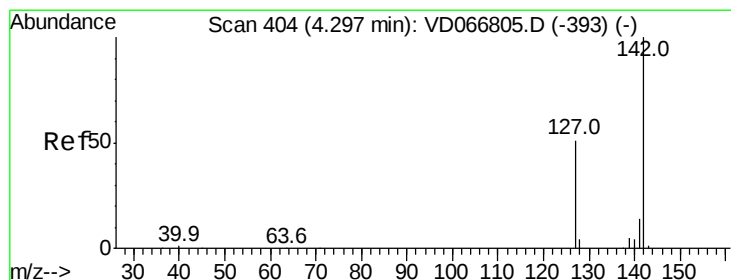
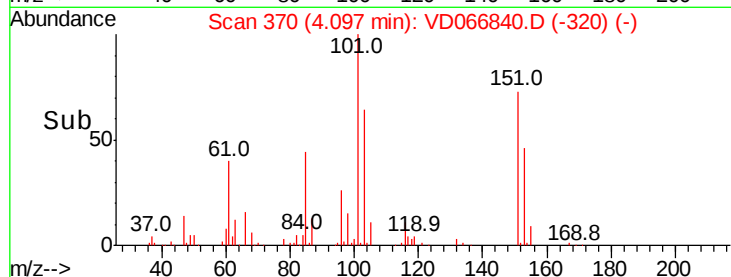
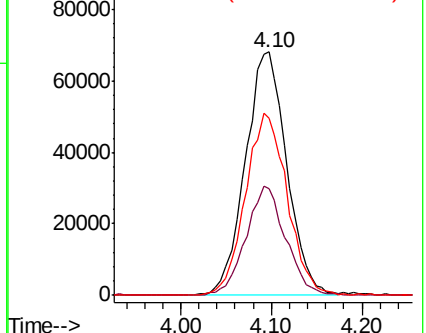
151 75.4 61.4 92.0



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: 51.172 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

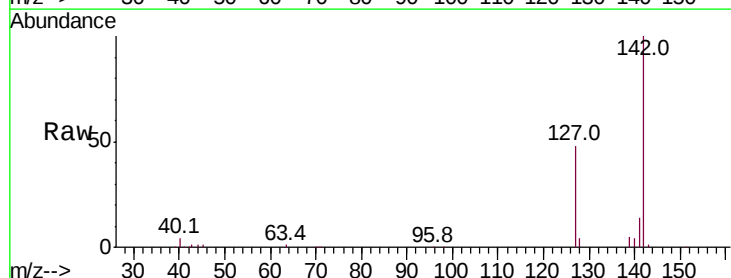
Tgt Ion:142 Resp: 209766

Ion Ratio Lower Upper

142 100

127 47.7 39.4 59.0

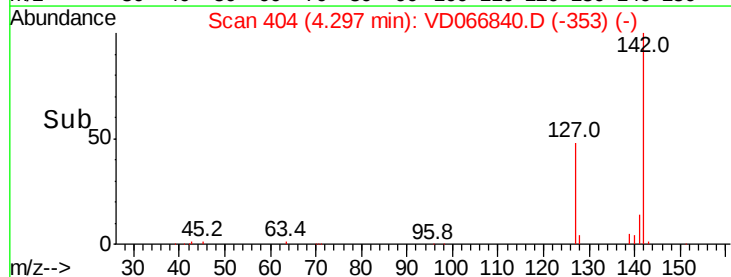
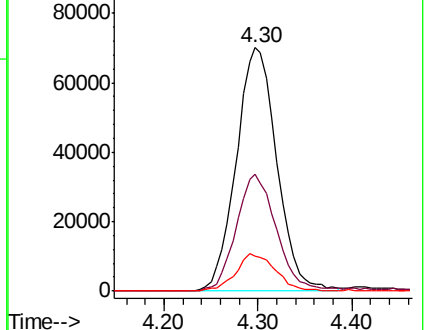
141 14.9 12.1 18.1

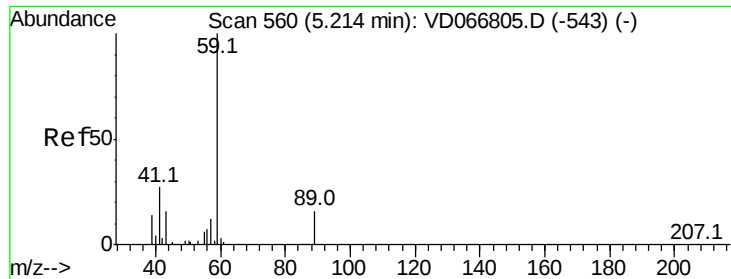


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 180.148 ug/l

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleID :

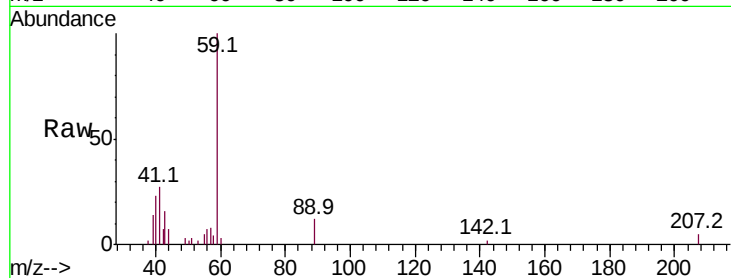
VSTDCCC050

Tot Ion: 59 Resp: 49170

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.20

15000

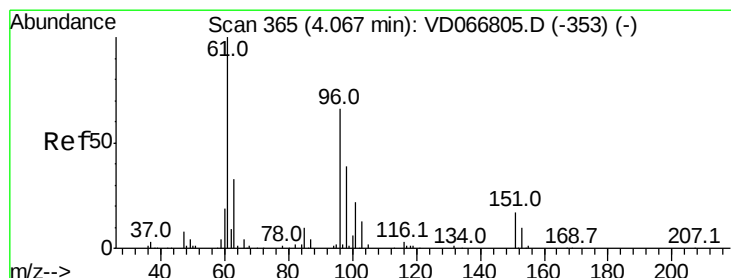
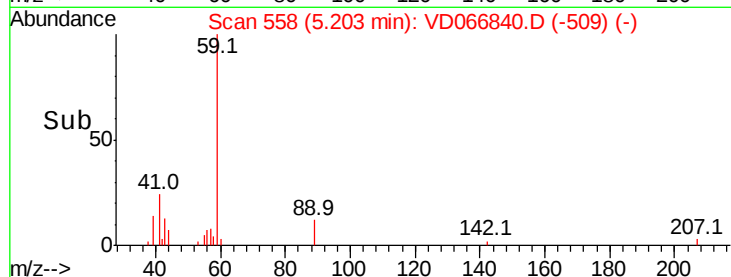
10000

5000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 45.869 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

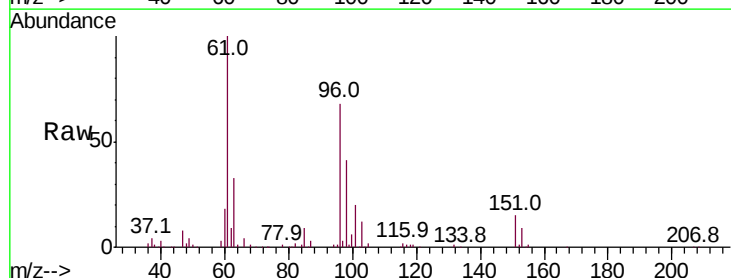
Tgt Ion: 96 Resp: 193024

Ion Ratio Lower Upper

96 100

61 147.9 120.8 181.2

98 60.2 47.7 71.5



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

4.06

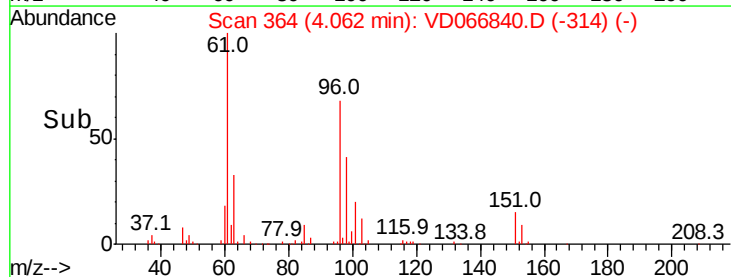
100000

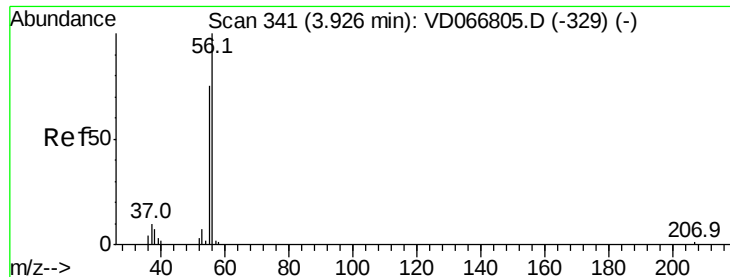
50000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 196.582 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

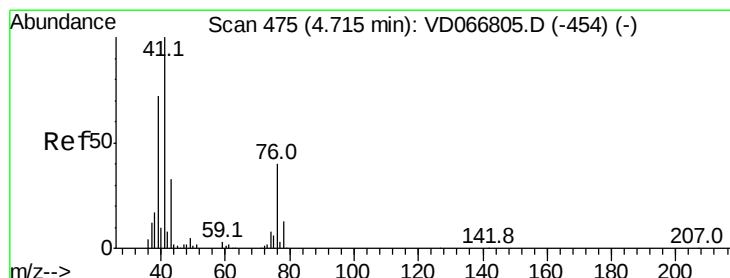
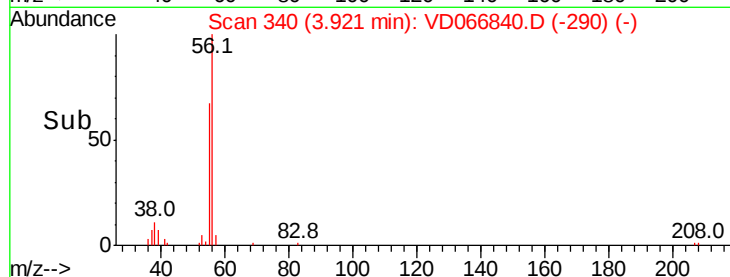
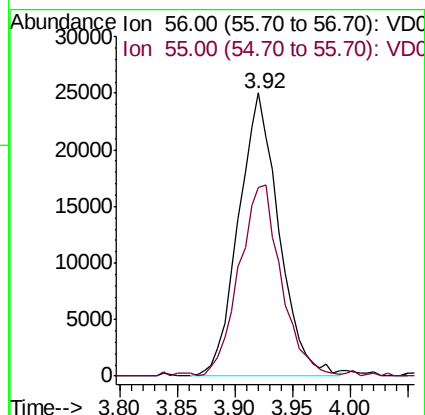
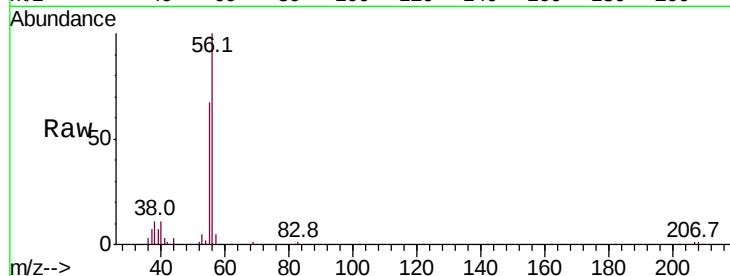
VSTDCCC050

Tot Ion: 56 Resp: 60997

Ion Ratio Lower Upper

56 100

55 70.5 60.3 90.5



#14

Allyl chloride

Concen: 44.866 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

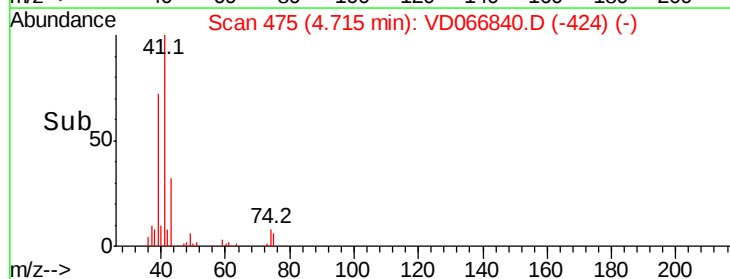
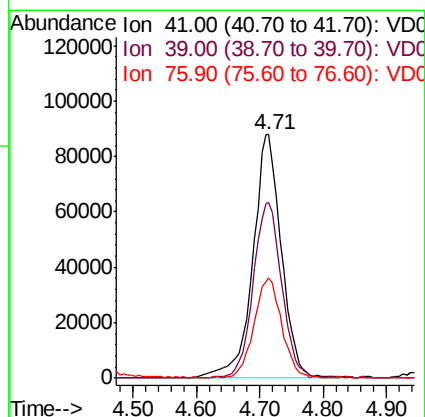
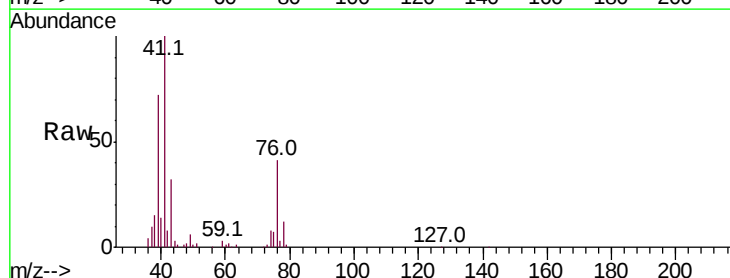
Tgt Ion: 41 Resp: 277241

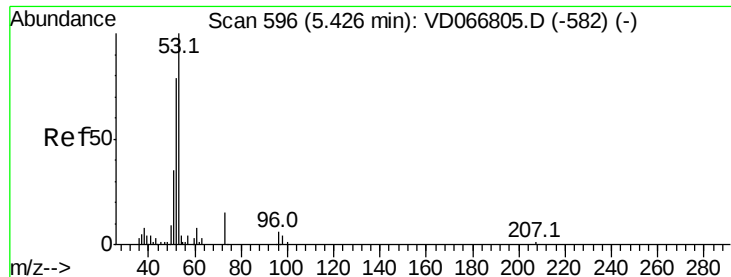
Ion Ratio Lower Upper

41 100

39 72.2 57.8 86.8

76 40.0 30.9 46.3





#15

Acrylonitrile

Concen: 224.807 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

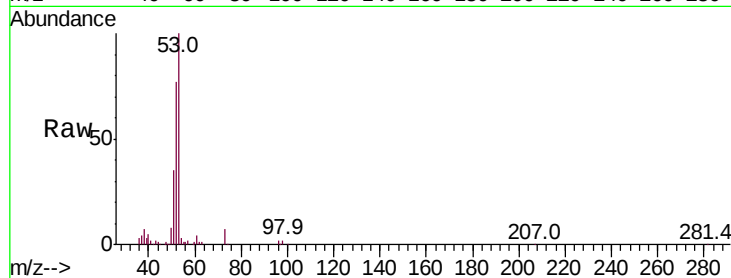
Tot Ion: 53 Resp: 202621

Ion Ratio Lower Upper

53 100

52 79.5 65.2 97.8

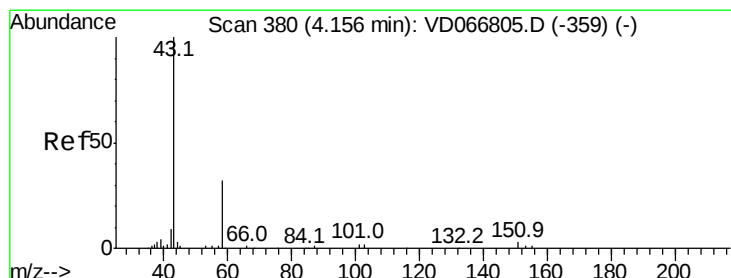
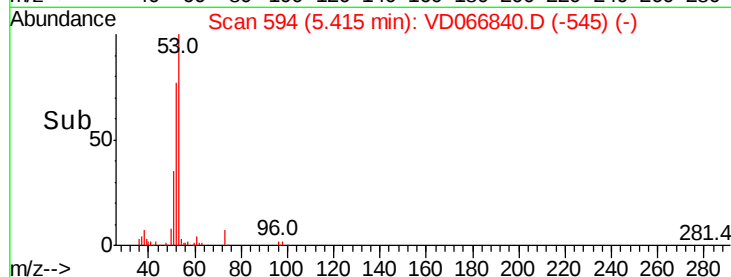
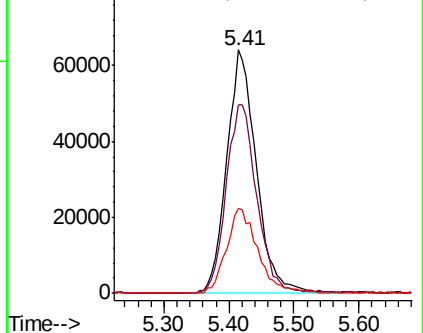
51 37.0 30.6 46.0



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: 225.467 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066840.D

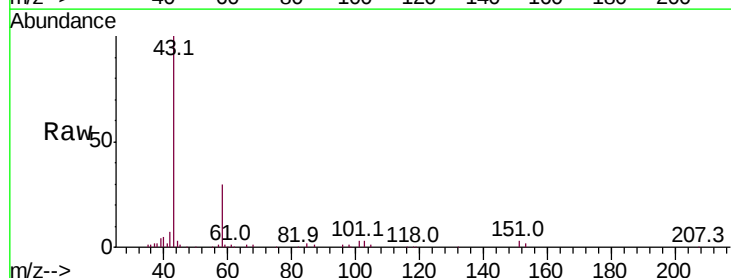
Acq: 24 Sep 2020 10:04

Tgt Ion: 43 Resp: 201178

Ion Ratio Lower Upper

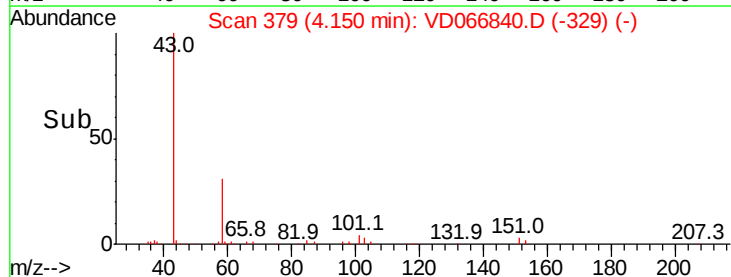
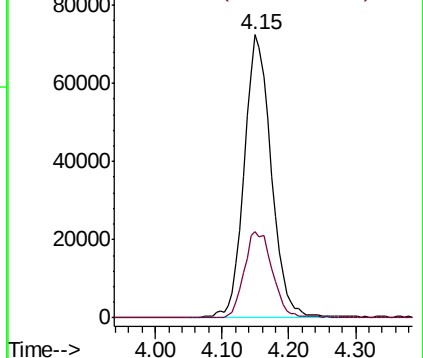
43 100

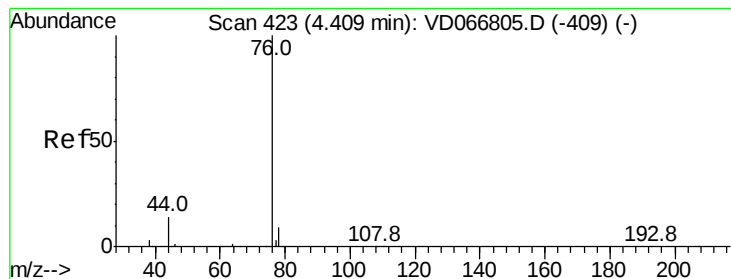
58 30.3 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 44.865 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

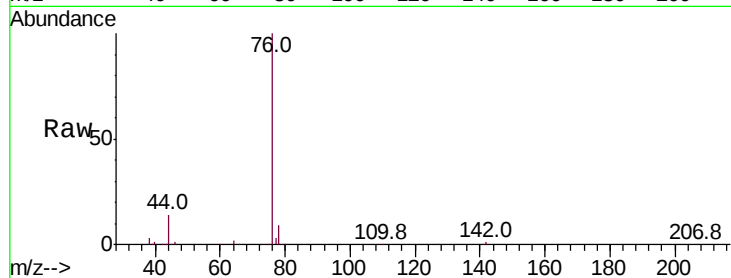
VSTDCCC050

Tot Ion: 76 Resp: 577213

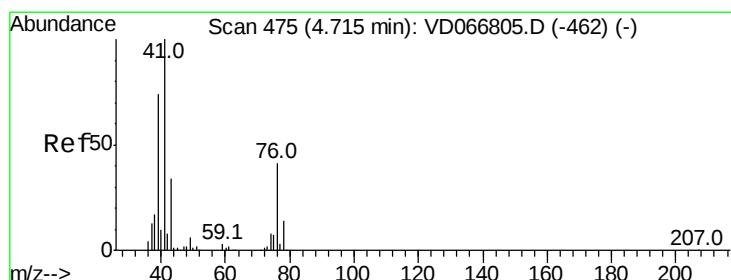
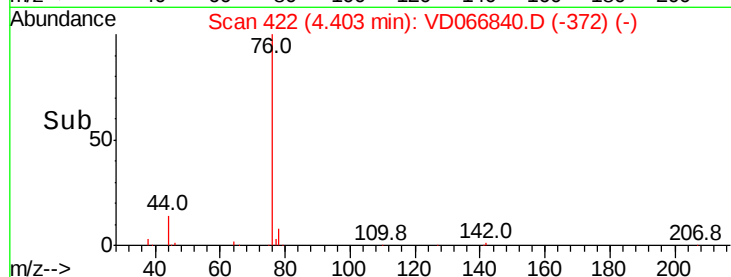
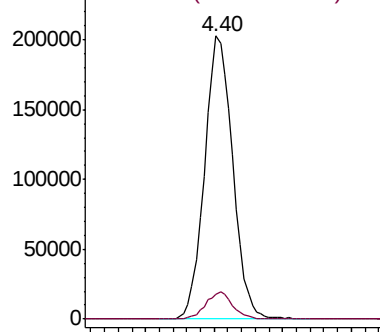
Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.382 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066840.D

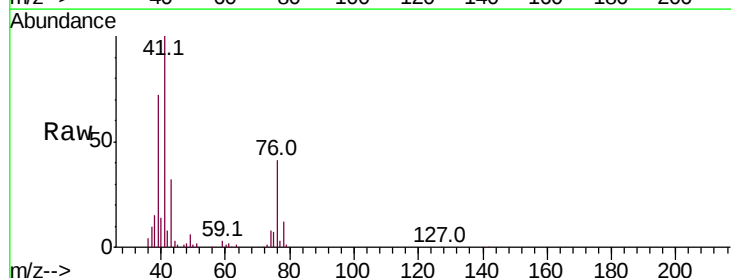
Acq: 24 Sep 2020 10:04

Tgt Ion: 43 Resp: 91017

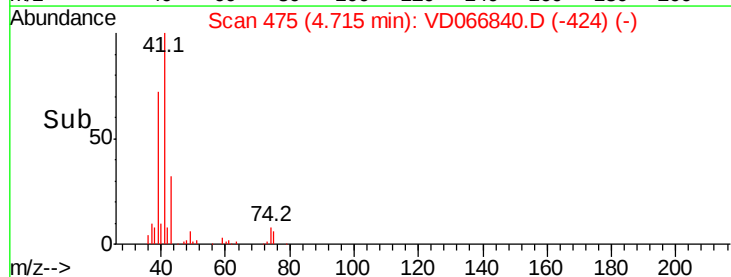
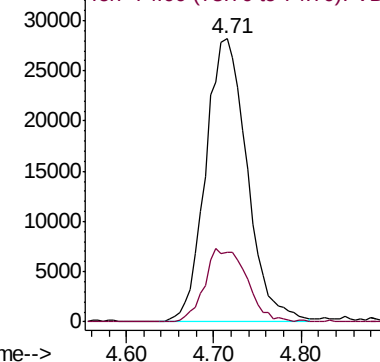
Ion Ratio Lower Upper

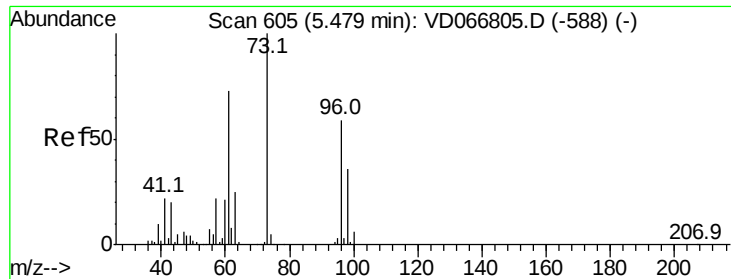
43 100

74 26.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

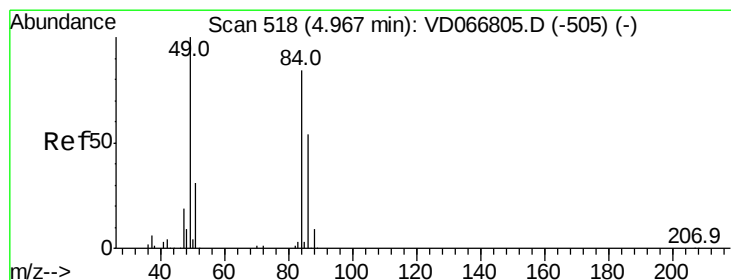
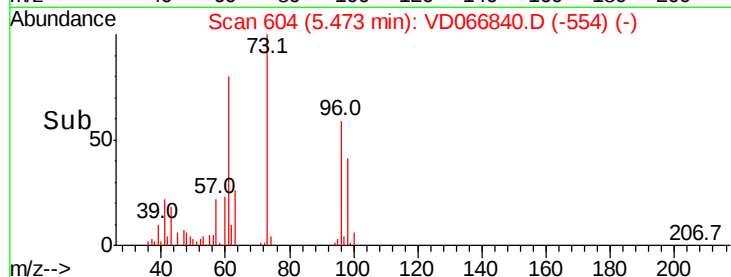
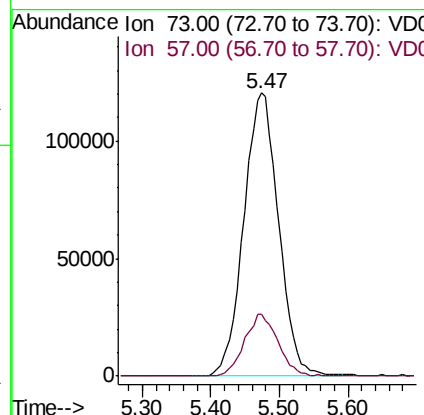
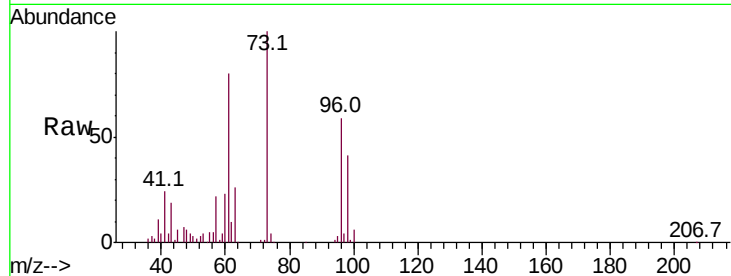




#19
Methyl tert-butyl Ether
Concen: 46.453 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

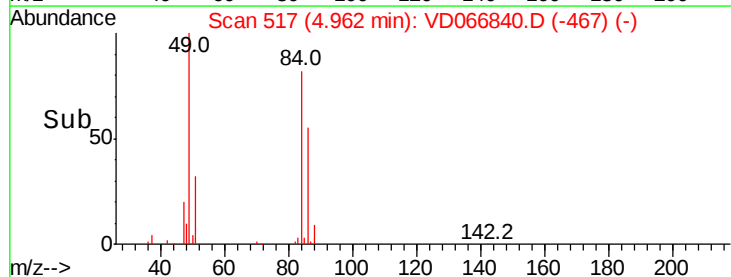
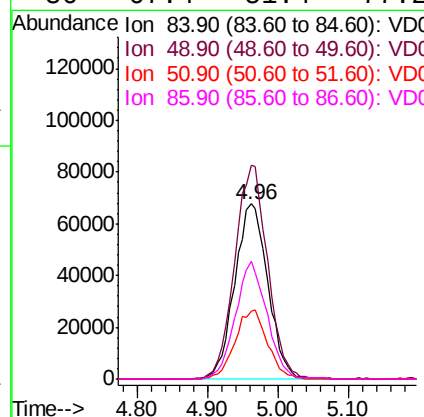
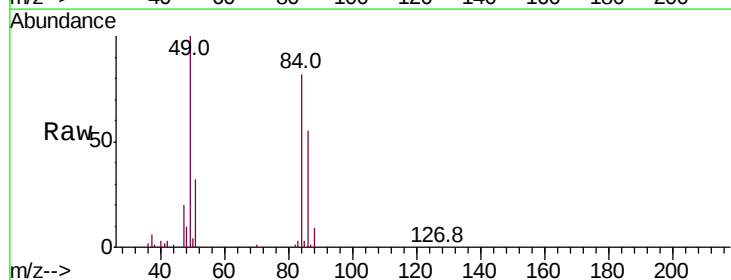
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

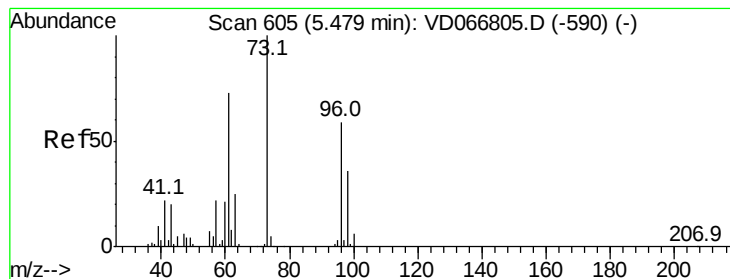
Tot Ion: 73 Resp: 424519
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 45.234 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 84 Resp: 220501
Ion Ratio Lower Upper
84 100
49 122.0 95.4 143.2
51 39.1 29.7 44.5
86 67.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.922 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

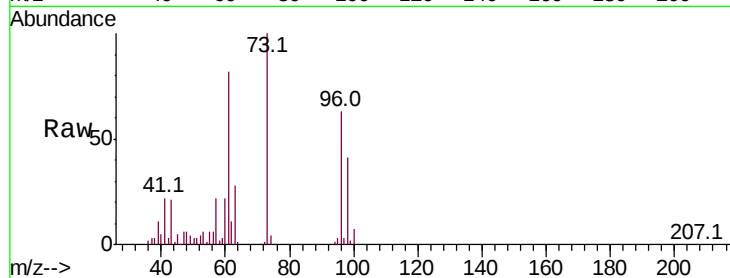
Tot Ion: 96 Resp: 228631

Ion Ratio Lower Upper

96 100

61 130.8 98.9 148.3

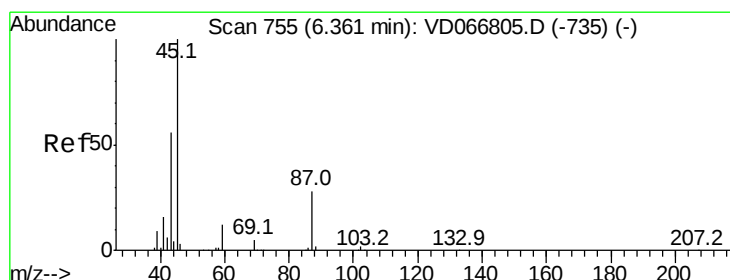
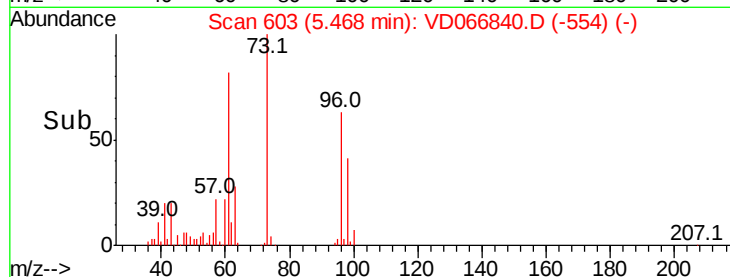
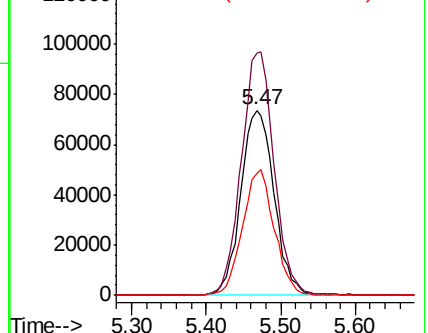
98 65.6 48.4 72.6



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: 46.112 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Tgt Ion: 45 Resp: 585867

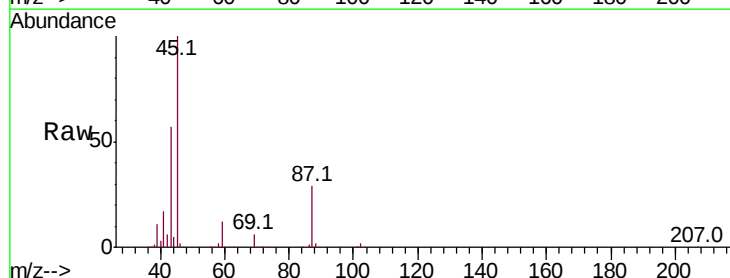
Ion Ratio Lower Upper

45 100

43 56.0 44.5 66.7

87 28.5 22.9 34.3

59 11.7 9.4 14.0

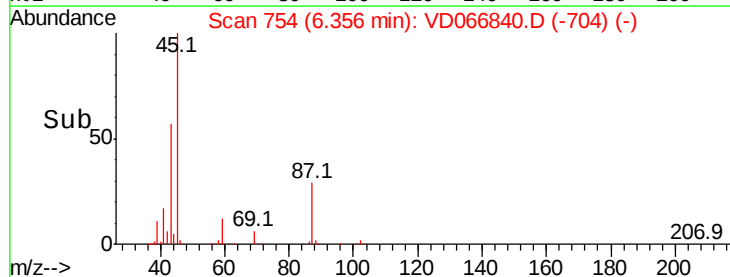
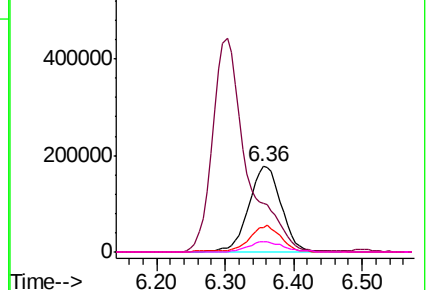


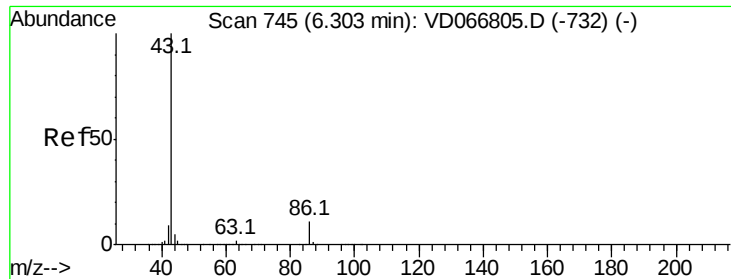
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

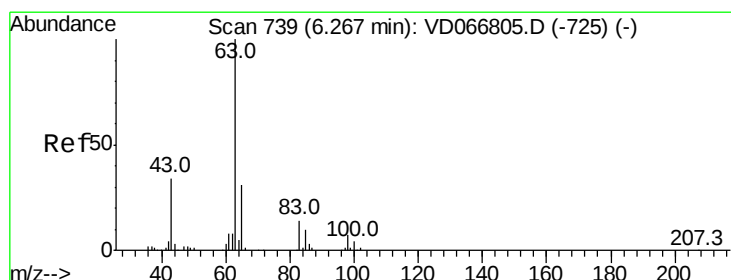
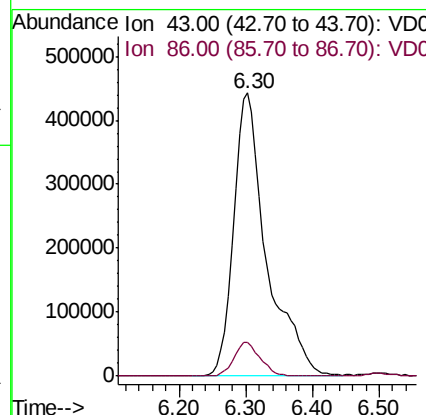
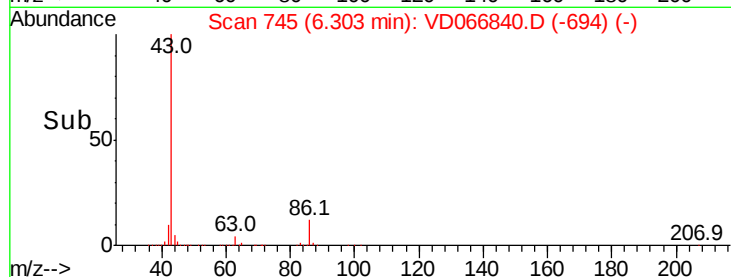
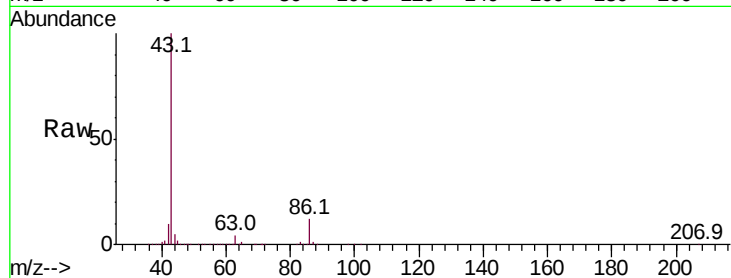




#23
 Vinyl Acetate
 Concen: 222.130 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

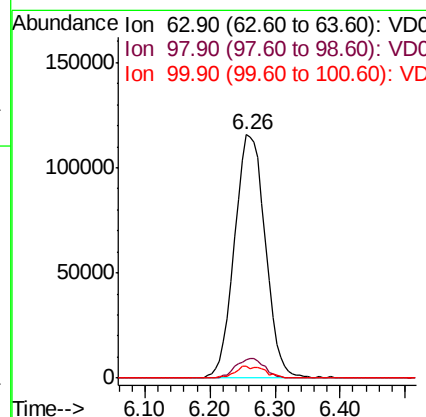
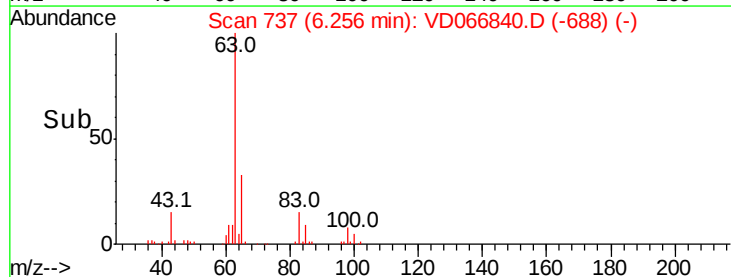
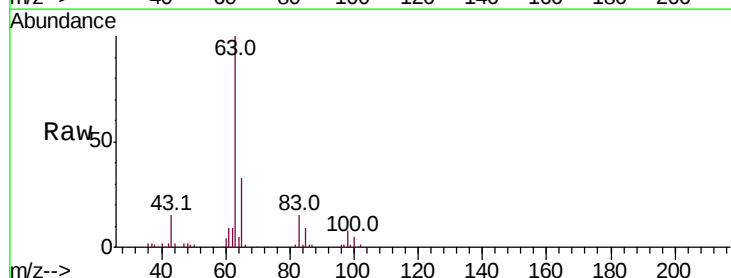
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

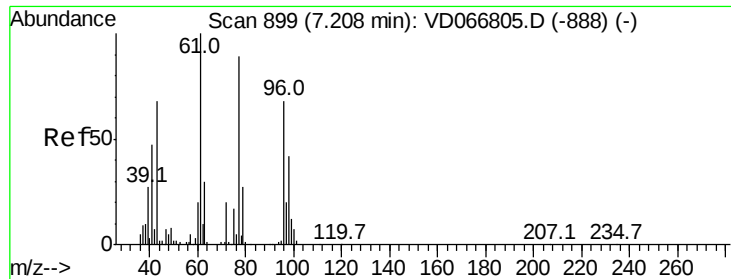
Tot Ion: 43 Resp: 1530186
 Ion Ratio Lower Upper
 43 100
 86 12.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 44.780 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion: 63 Resp: 380612
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.7 11.1
 100 4.8 1.8 5.5

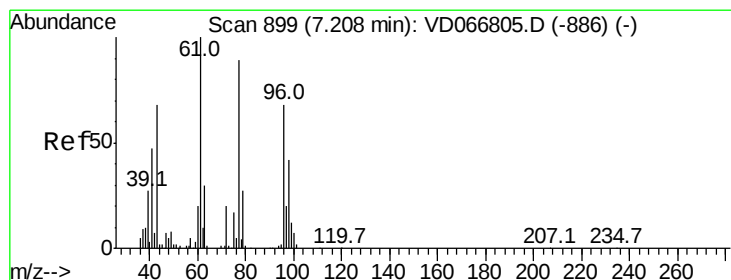
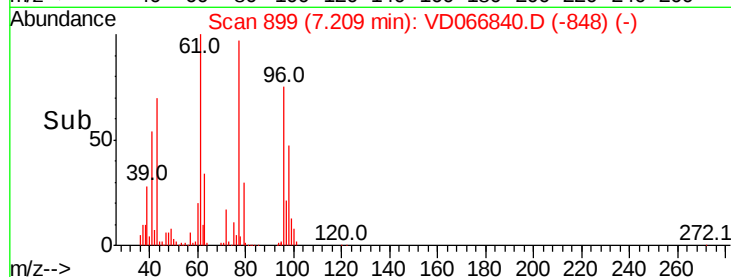
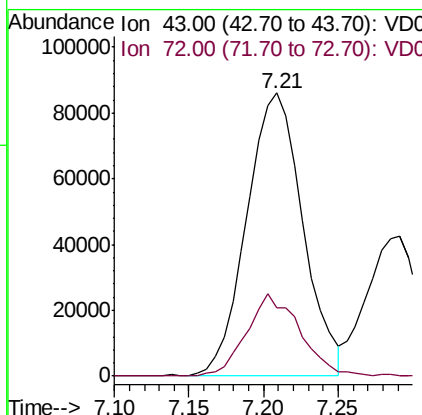
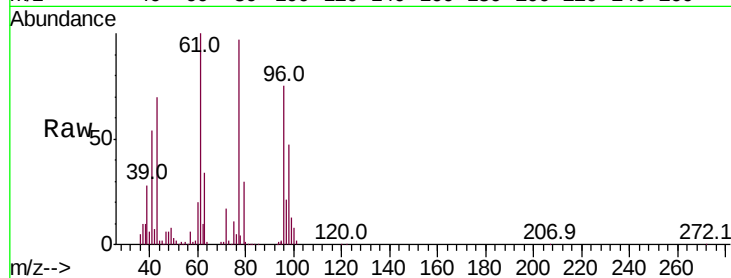




#25
2-Butanone
Concen: 210.395 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

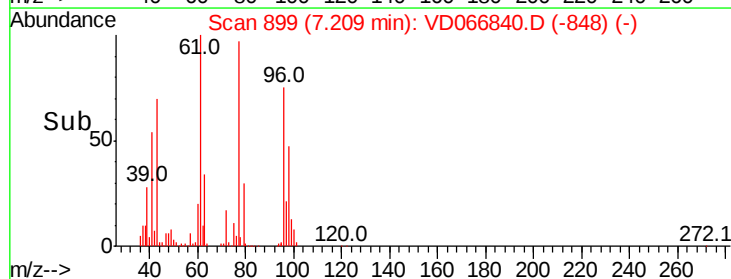
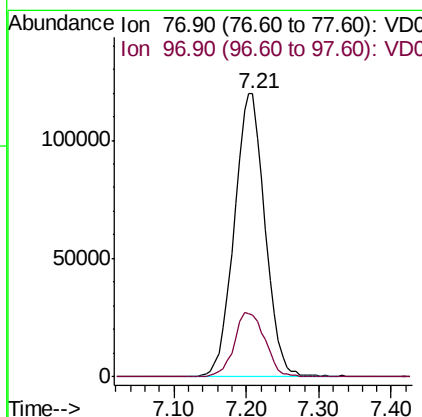
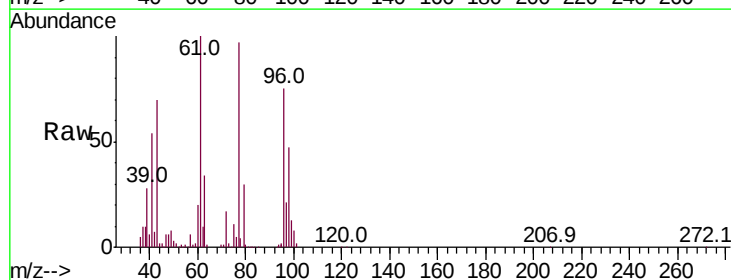
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

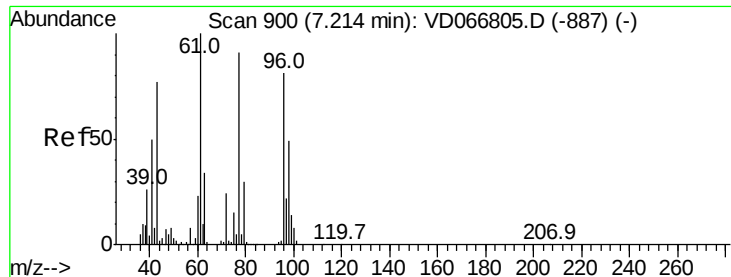
Tot Ion: 43 Resp: 225600
Ion Ratio Lower Upper
43 100
72 24.3 22.9 34.3



#26
2,2-Dichloropropane
Concen: 45.143 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 77 Resp: 351677
Ion Ratio Lower Upper
77 100
97 22.9 11.7 35.1



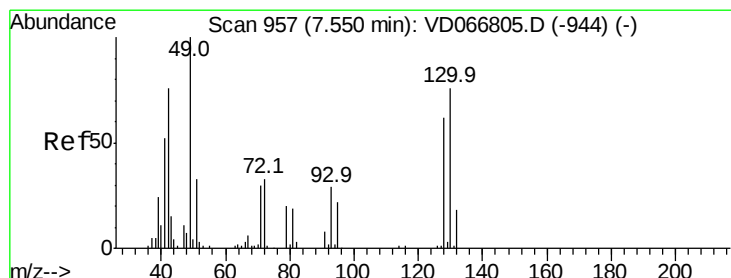
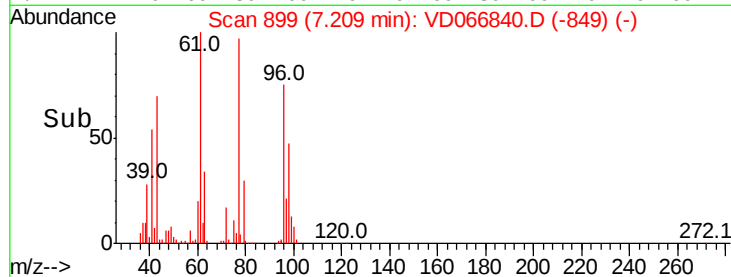
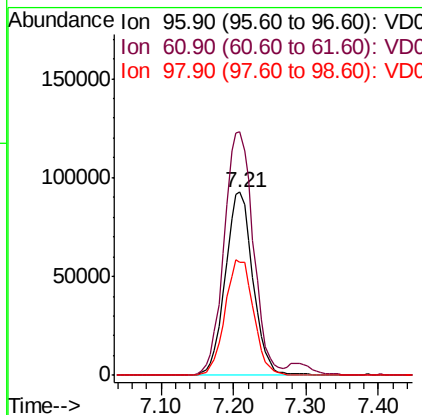
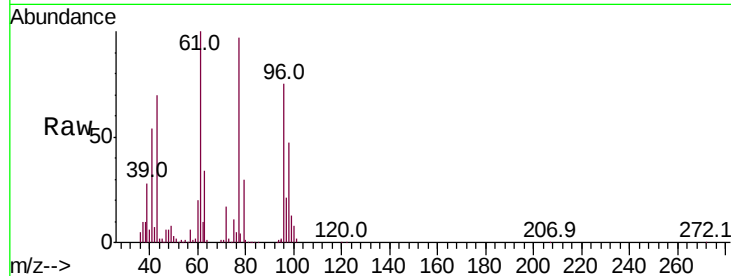


#27

cis-1,2-Dichloroethene
Concen: 46.463 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

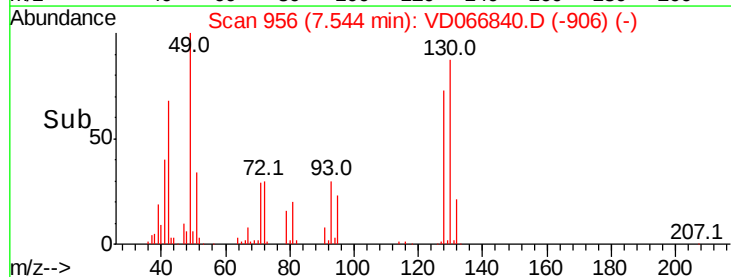
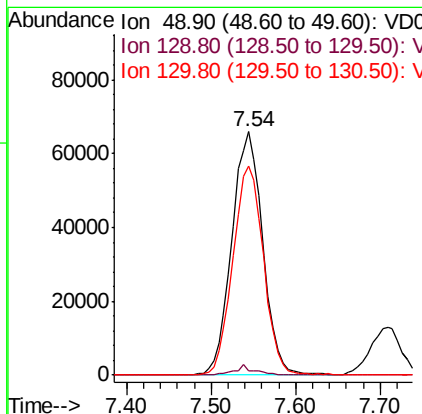
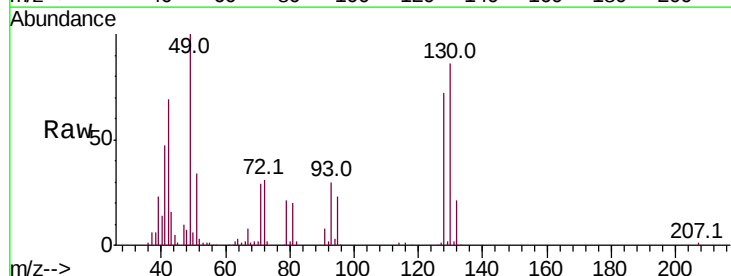
Tot Ion: 96 Resp: 245981
Ion Ratio Lower Upper
96 100
61 140.1 0.0 283.8
98 65.0 0.0 128.4

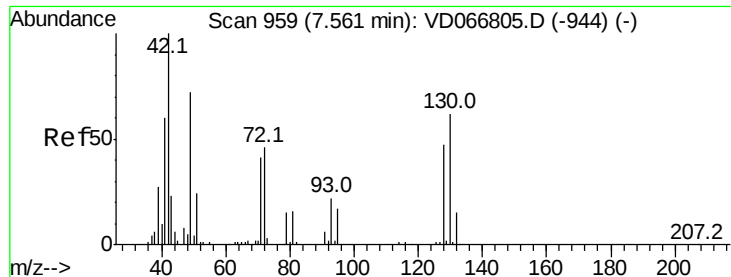


#28

Bromochloromethane
Concen: 47.405 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 49 Resp: 166457
Ion Ratio Lower Upper
49 100
129 2.5 0.0 2.0#
130 85.0 65.9 98.9





#29

Tetrahydrofuran

Concen: 226.575 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

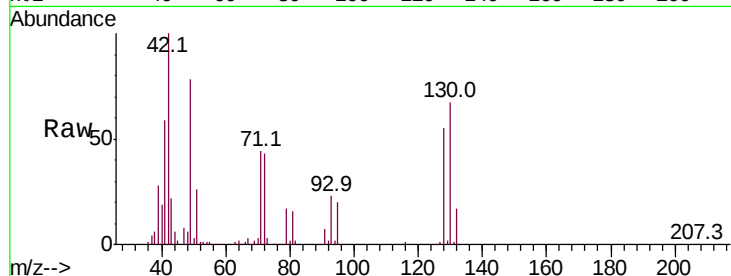
Tot Ion: 42 Resp: 155670

Ion Ratio Lower Upper

42 100

72 44.4 36.2 54.4

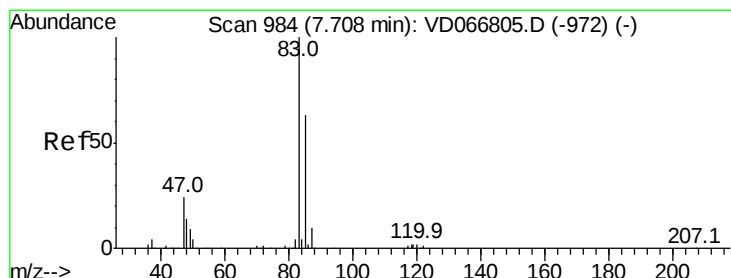
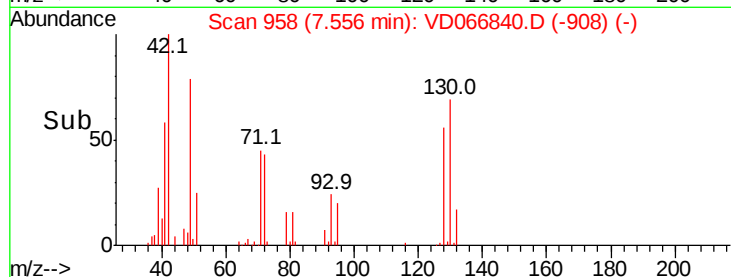
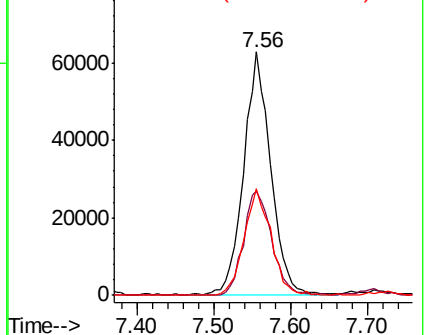
71 43.5 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 45.289 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD066840.D

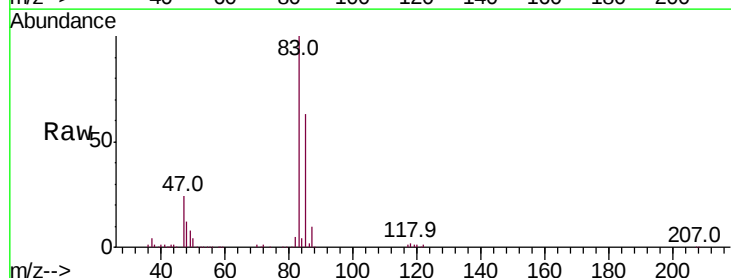
Acq: 24 Sep 2020 10:04

Tgt Ion: 83 Resp: 414940

Ion Ratio Lower Upper

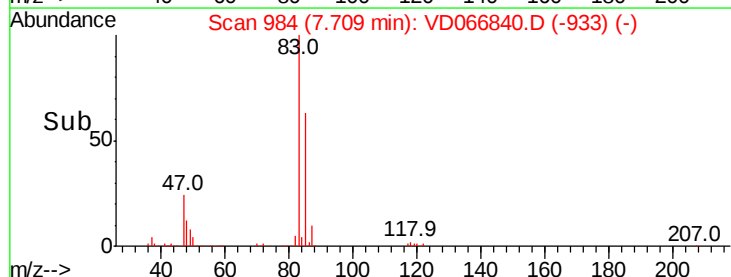
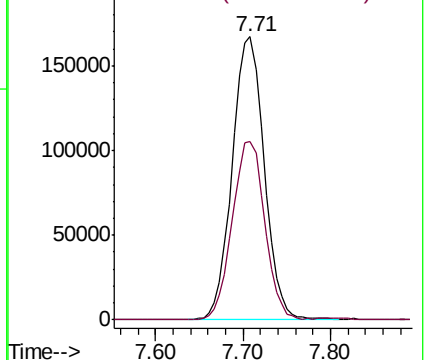
83 100

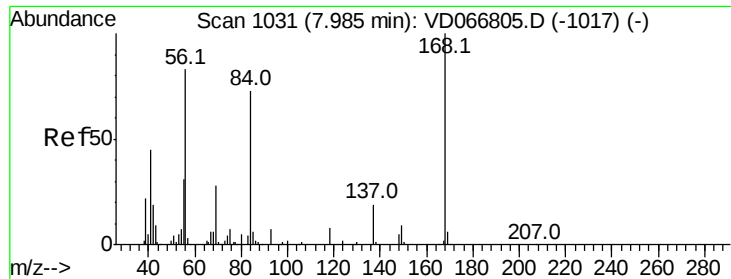
85 63.0 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

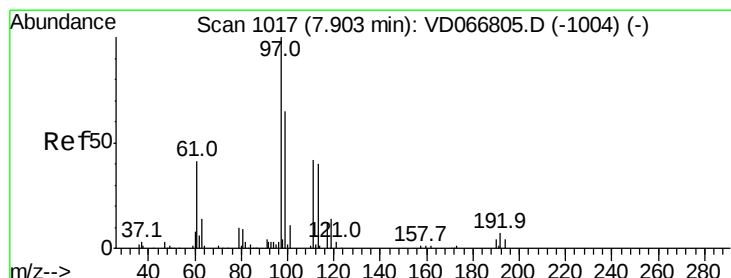
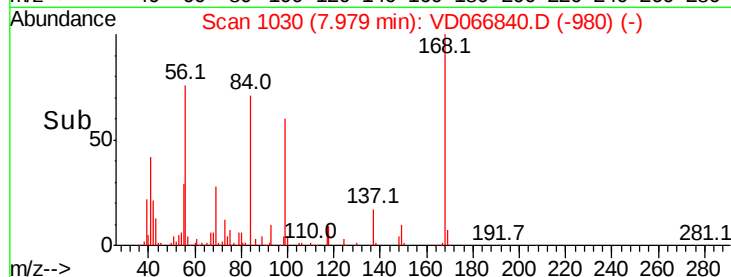
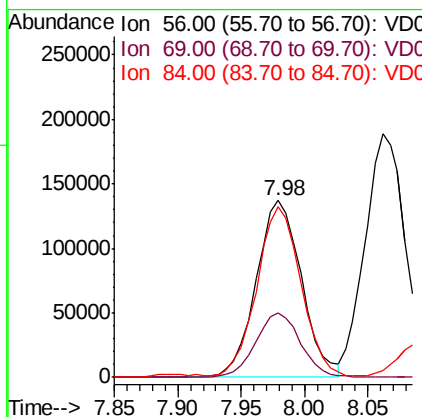
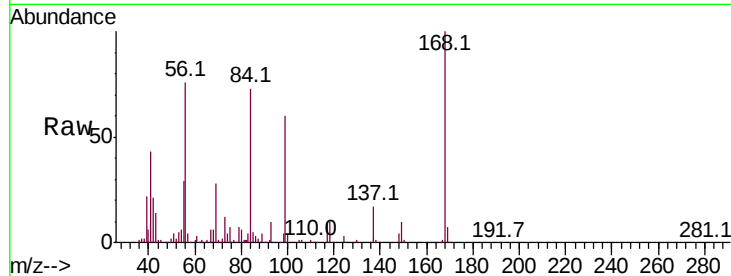




#31
Cyclohexane
Concen: 44.747 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

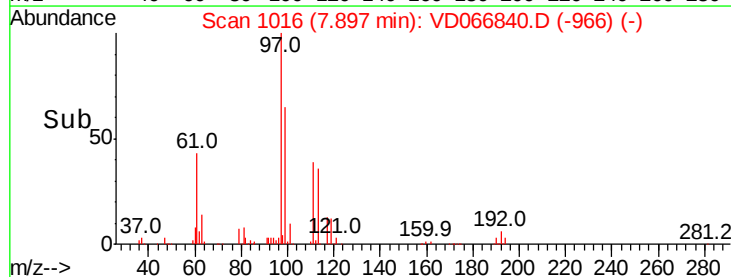
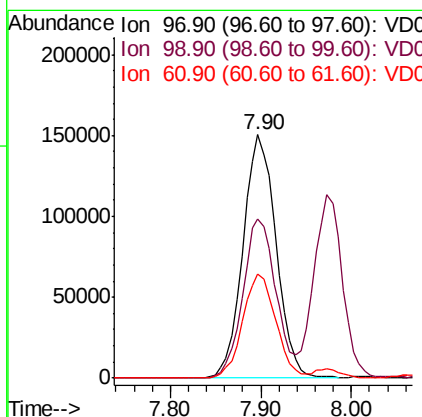
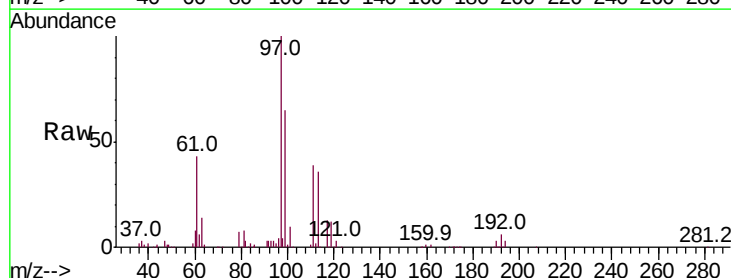
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

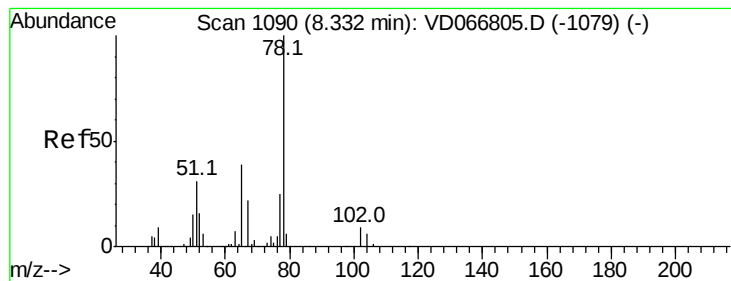
Tot Ion: 56 Resp: 342217
Ion Ratio Lower Upper
56 100
69 36.3 27.0 40.4
84 95.2 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 45.937 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 97 Resp: 380733
Ion Ratio Lower Upper
97 100
99 65.5 51.5 77.3
61 42.8 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 44.166 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

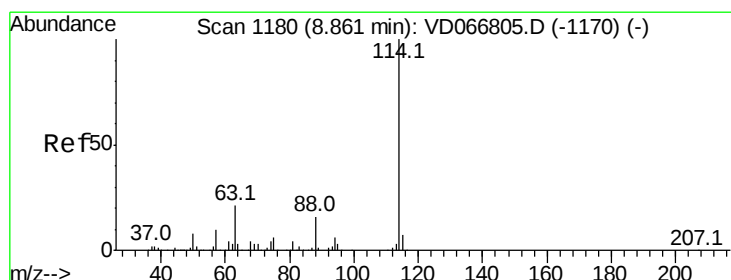
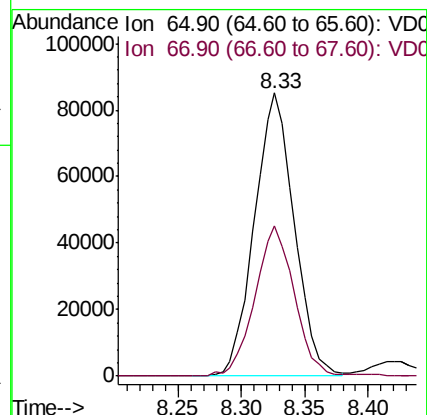
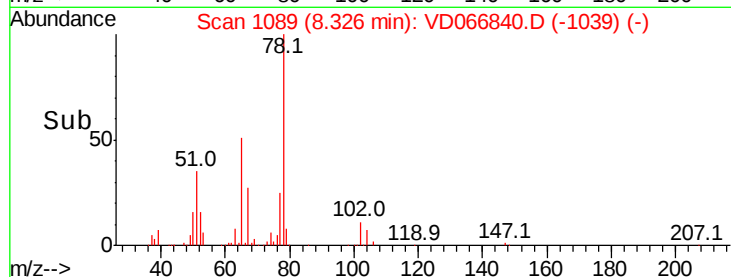
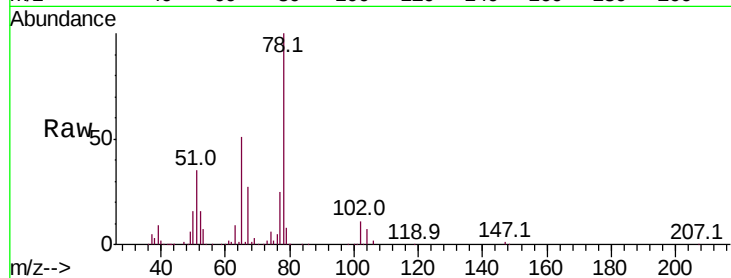
VSTDCCC050

Tot Ion: 65 Resp: 185769

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

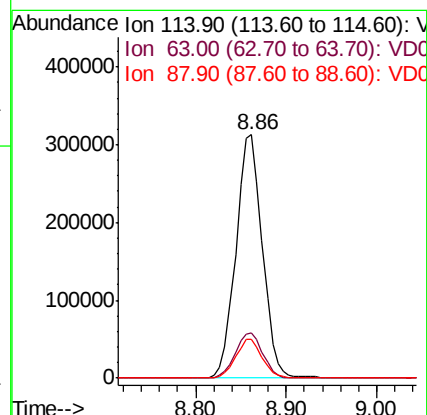
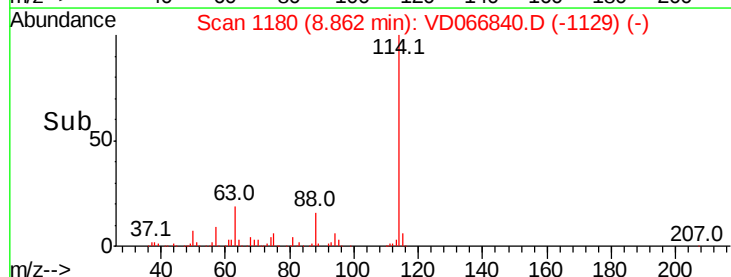
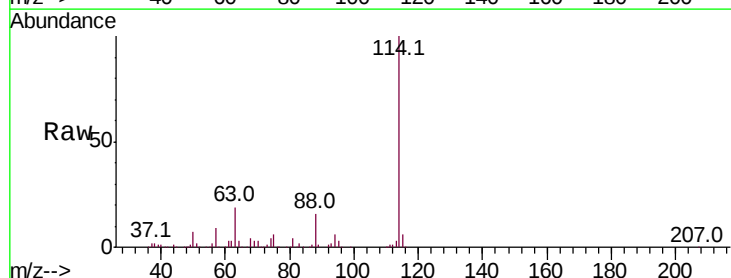
Tgt Ion: 114 Resp: 634794

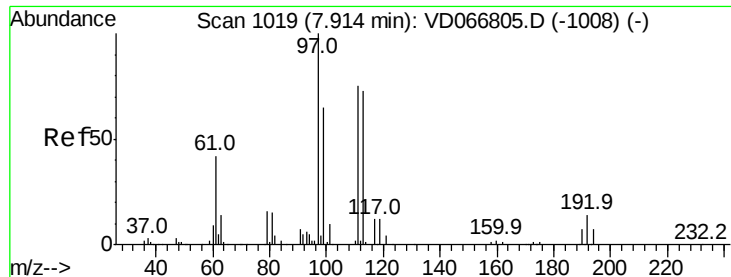
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

88 15.8 0.0 32.6

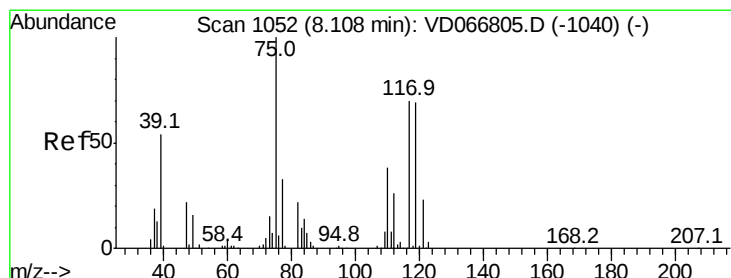
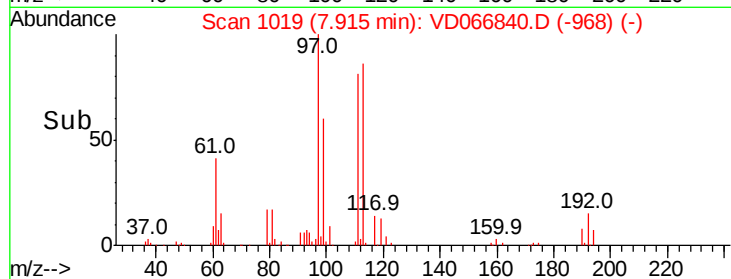
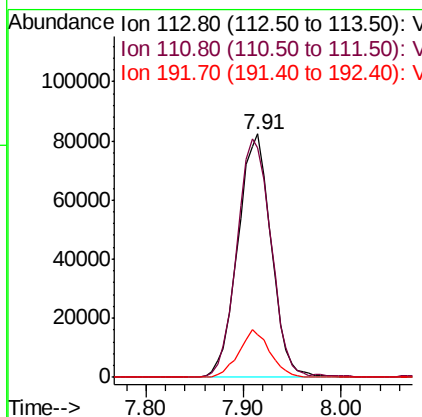
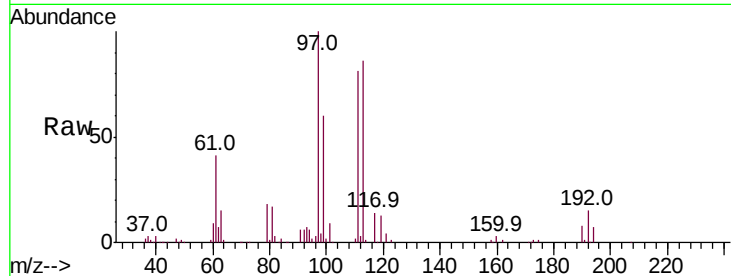




#35
 Dibromofluoromethane
 Concen: 48.501 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

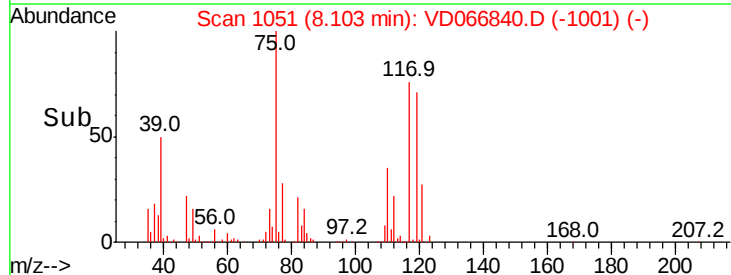
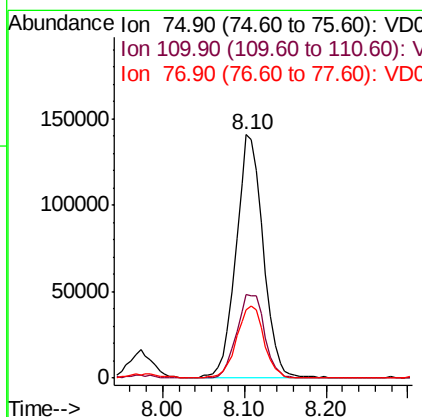
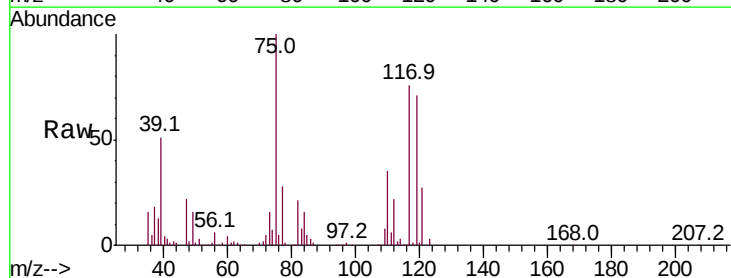
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

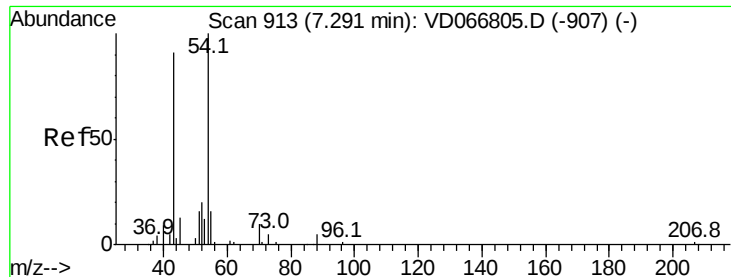
Tot Ion:113 Resp: 195874
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.8 122.8
 192 18.4 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 51.294 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion: 75 Resp: 323030
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.9 53.8
 77 30.1 25.0 37.6

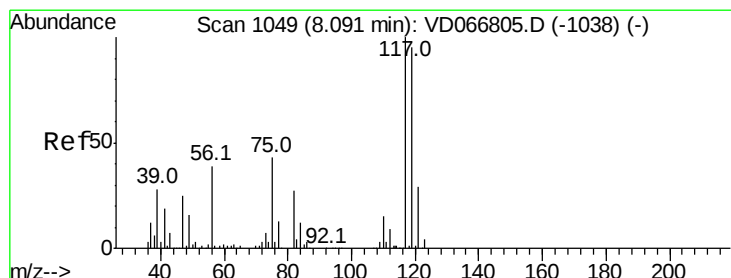
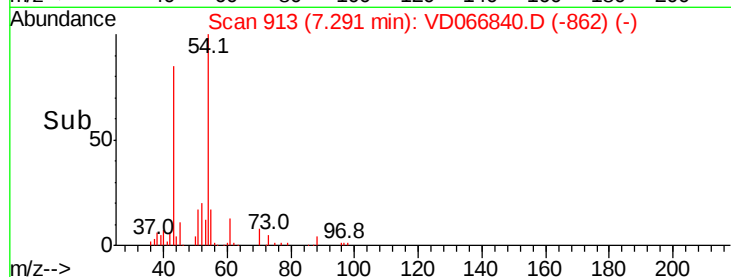
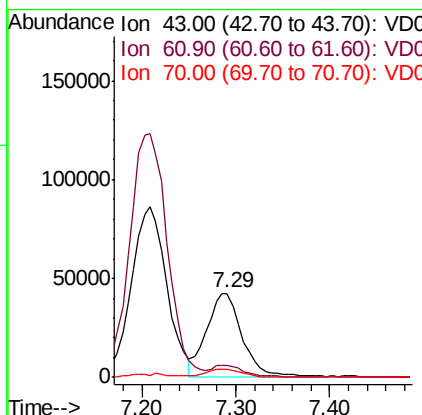
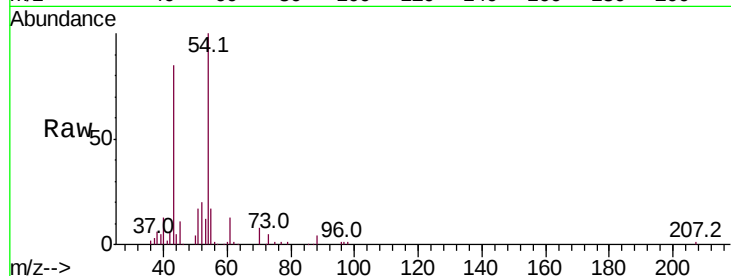




#37
Ethyl Acetate
Concen: 49.255 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

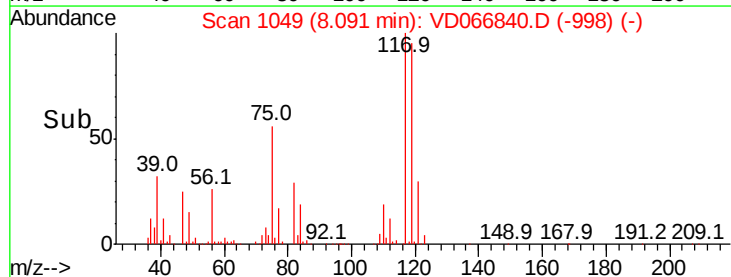
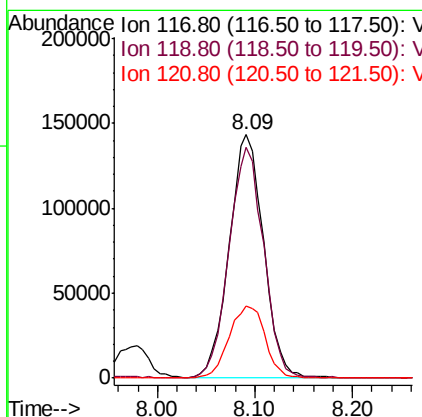
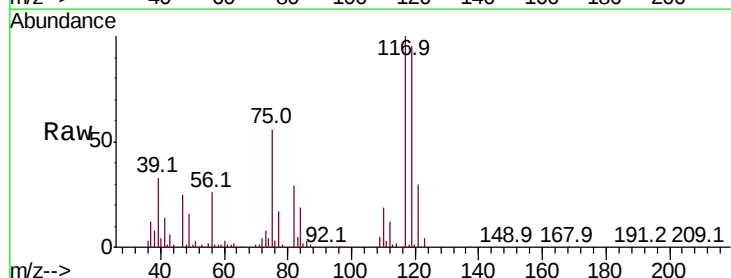
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

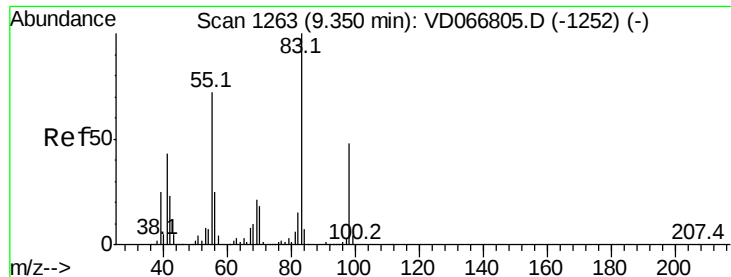
Tot Ion: 43 Resp: 112137
Ion Ratio Lower Upper
43 100
61 13.0 9.8 14.8
70 10.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 50.664 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 117 Resp: 348825
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.8
121 29.8 23.4 35.0

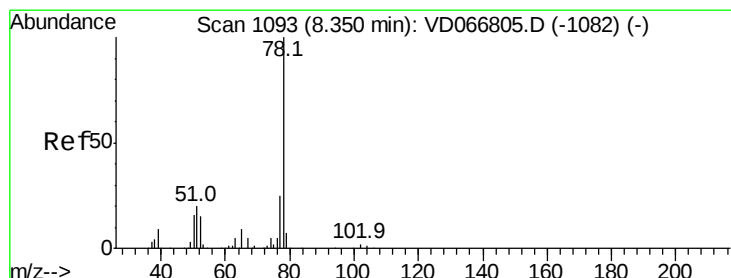
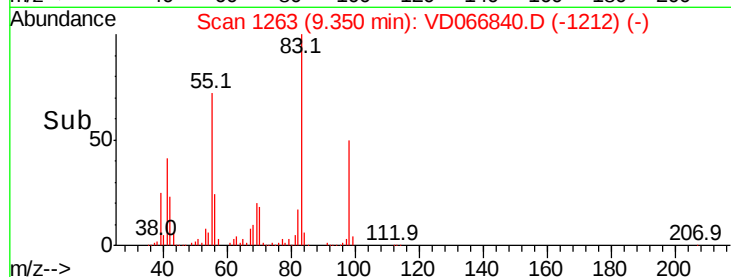
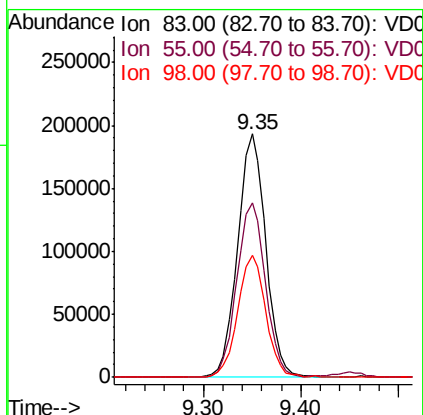
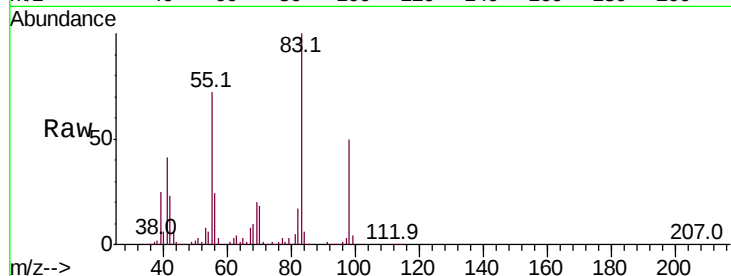




#39
Methvlcvclohexane
Concen: 53.555 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

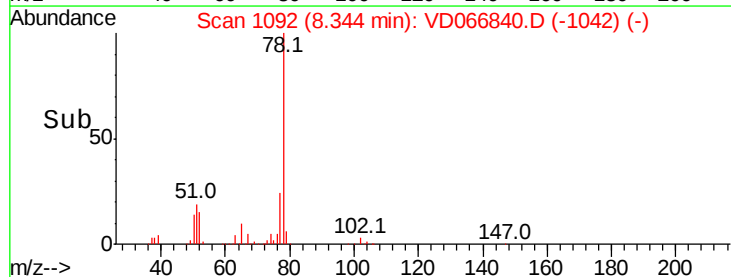
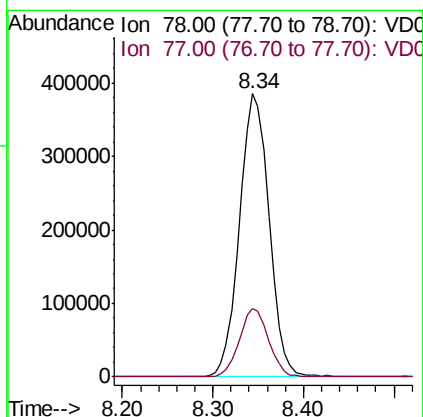
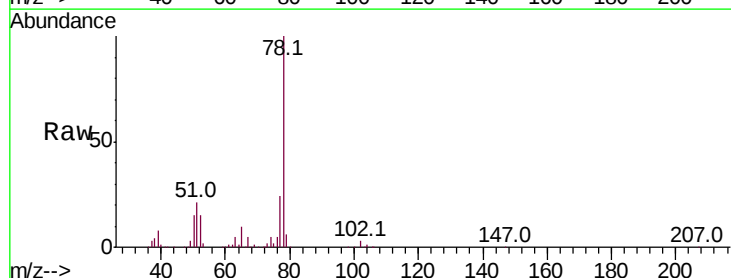
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

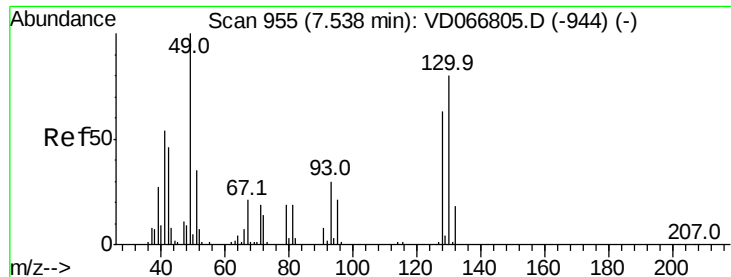
Tot Ion: 83 Resp: 387236
Ion Ratio Lower Upper
83 100
55 71.5 57.7 86.5
98 50.1 38.4 57.6



#40
Benzene
Concen: 49.770 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 78 Resp: 873540
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9

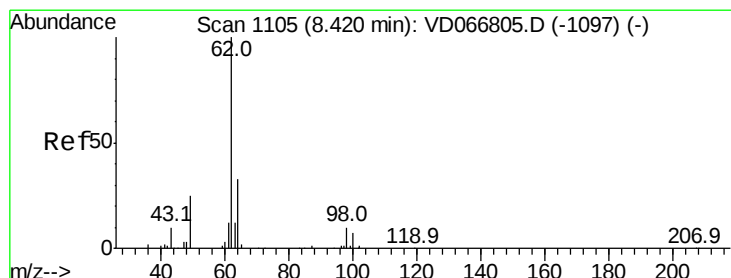
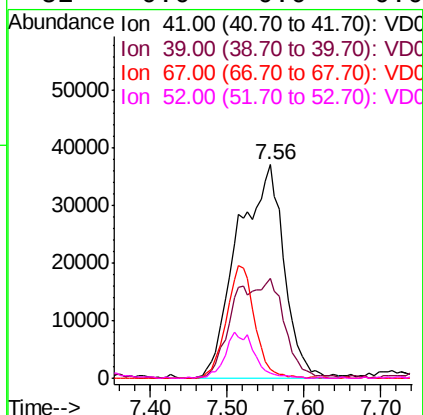
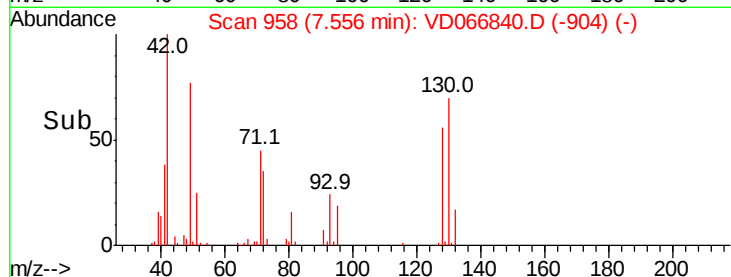
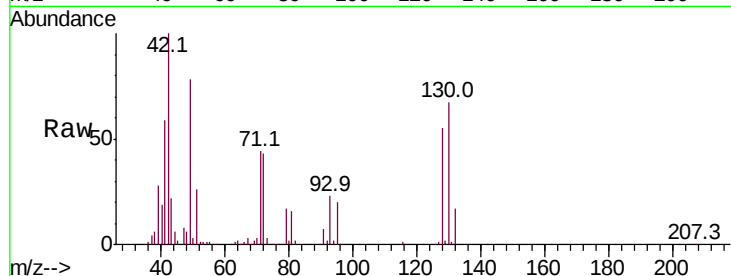




#41
Methacrylonitrile
Concen: 111.372 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

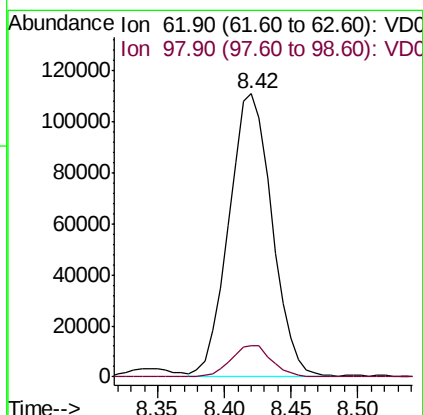
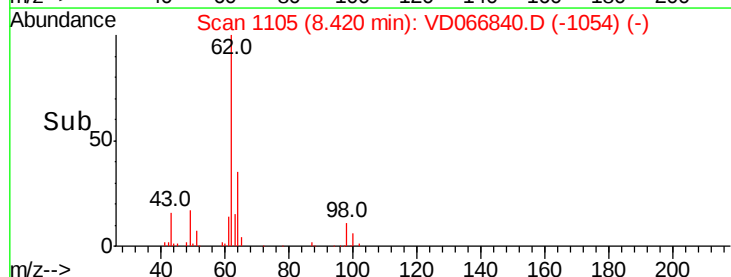
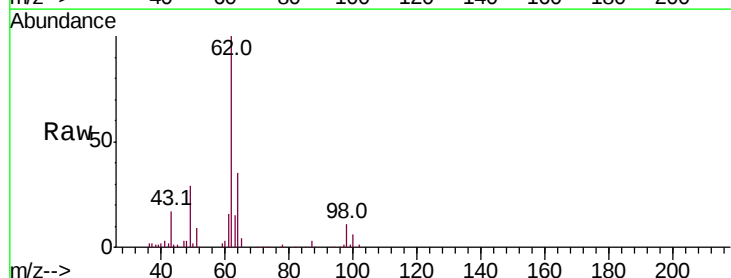
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

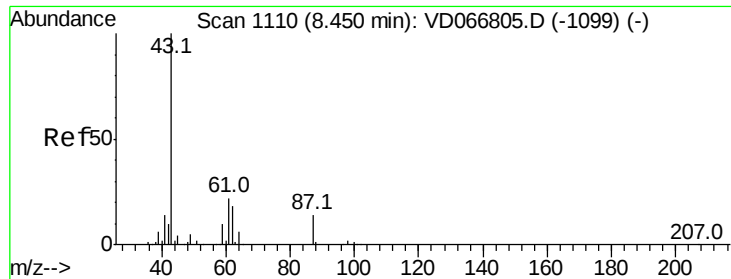
Tot Ion: 41 Resp: 155929
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 47.919 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 62 Resp: 248634
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.8





#43

Isopropyl Acetate

Concen: 48.419 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

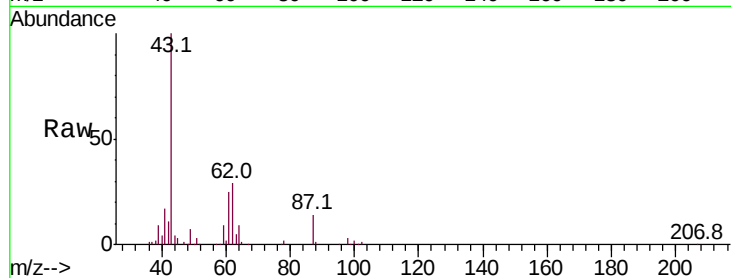
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 212523

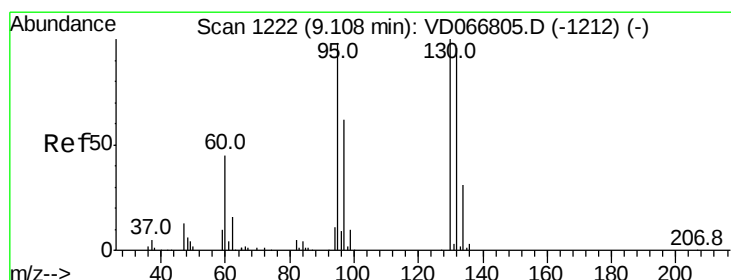
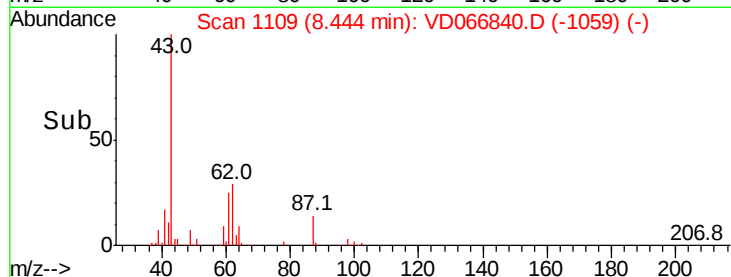
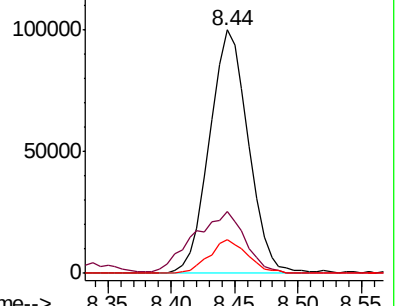
Ion	Ratio	Lower	Upper
43	100		
61	33.9	26.2	39.4
87	13.7	11.5	17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.404 ug/l

RT: 9.11 min Scan# 1222

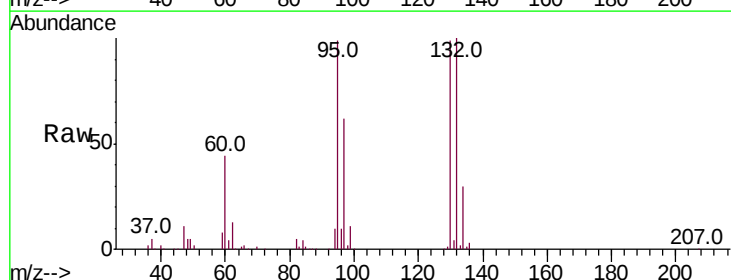
Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

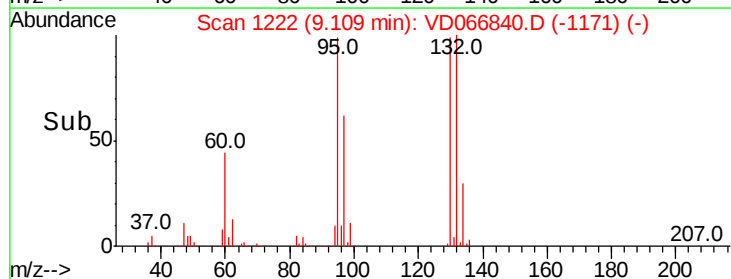
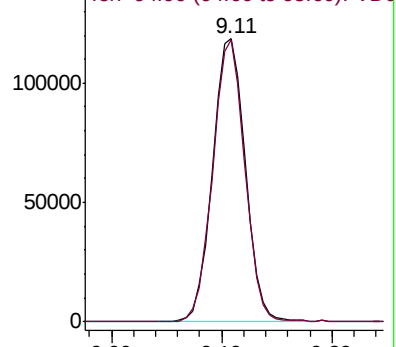
Tgt Ion: 130 Resp: 247157

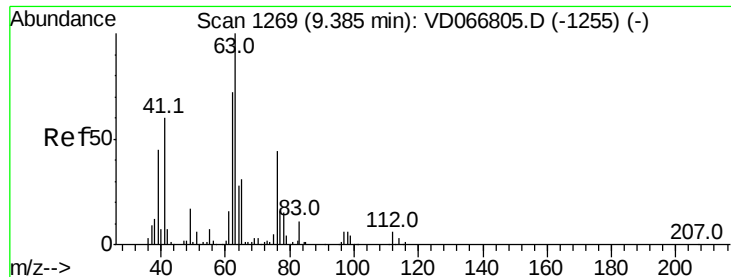
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.400 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

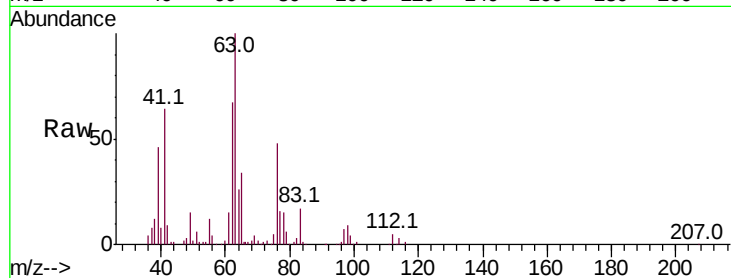
VSTDCCC050

Tot Ion: 63 Resp: 213734

Ion Ratio Lower Upper

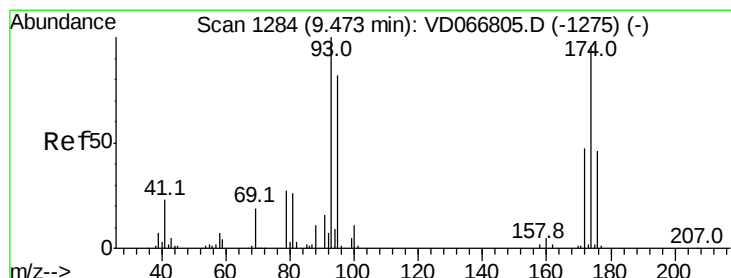
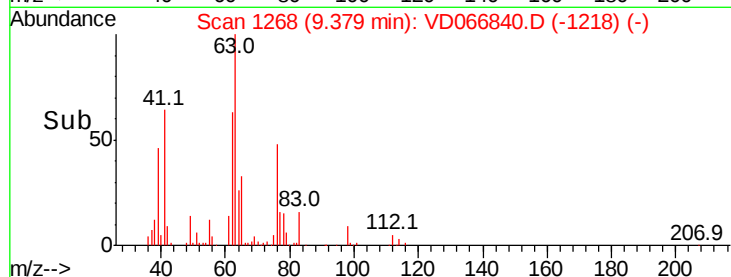
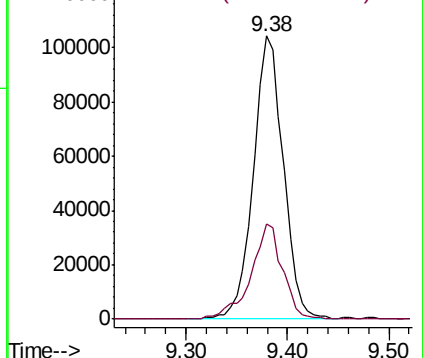
63 100

65 33.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.798 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

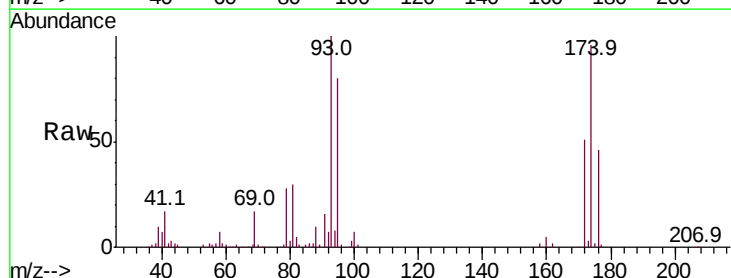
Tgt Ion: 93 Resp: 119480

Ion Ratio Lower Upper

93 100

95 83.3 65.3 97.9

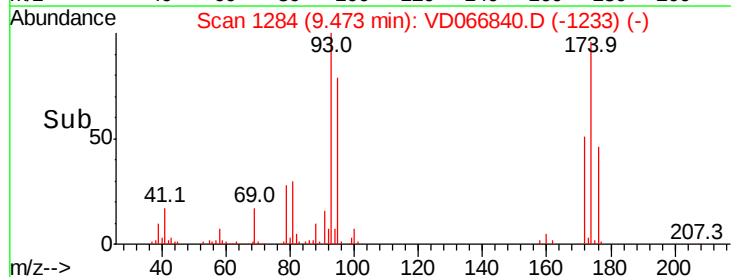
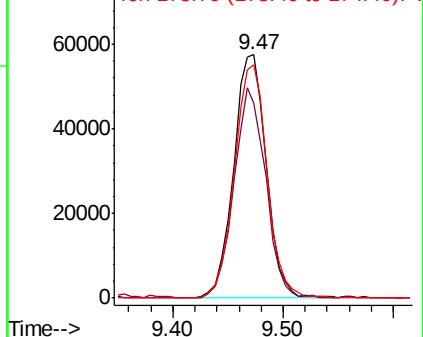
174 96.2 75.4 113.2

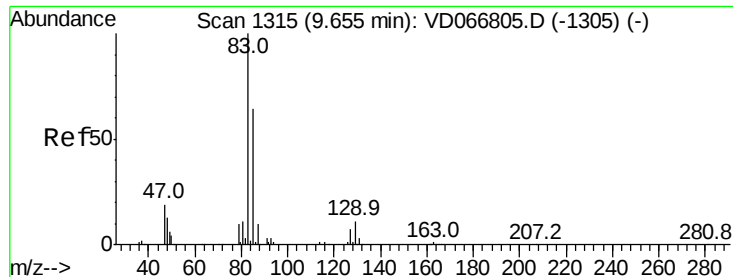


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.630 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

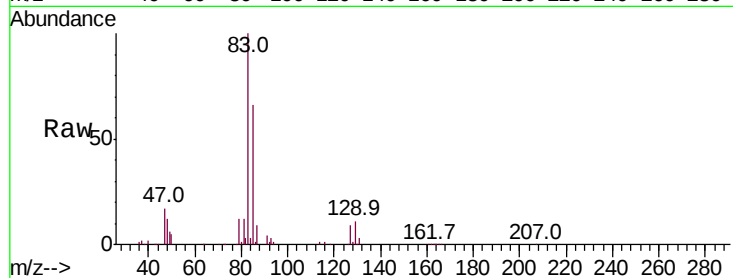
Tot Ion: 83 Resp: 319879

Ion Ratio Lower Upper

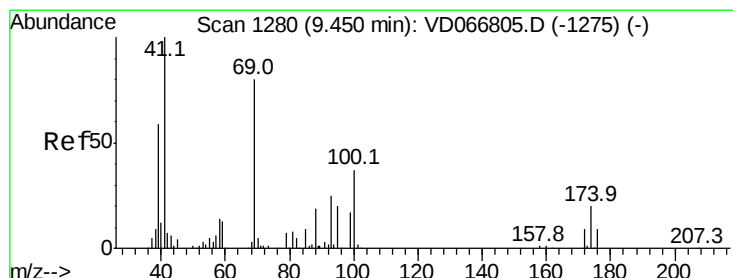
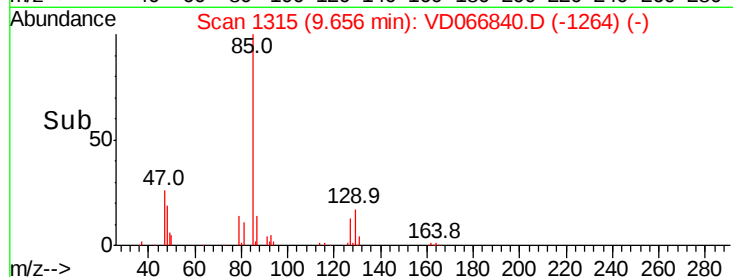
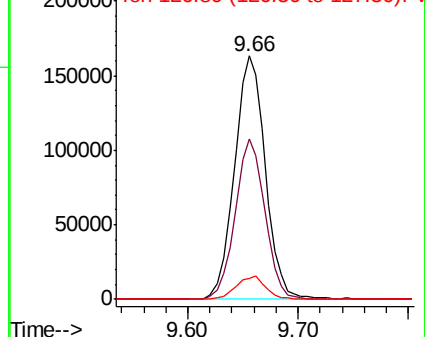
83 100

85 65.7 50.9 76.3

127 8.6 5.9 8.9



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



#48

Methyl methacrylate

Concen: 50.078 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

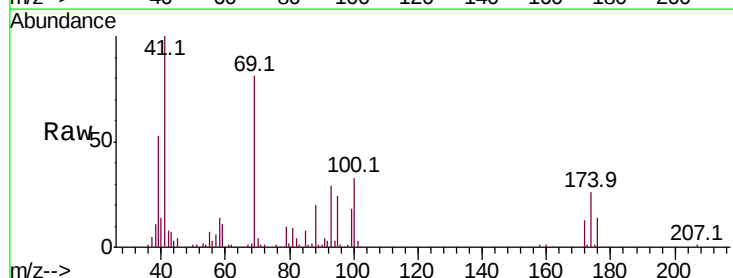
Tgt Ion: 41 Resp: 108374

Ion Ratio Lower Upper

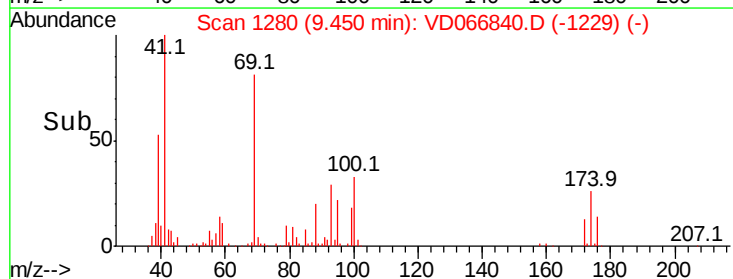
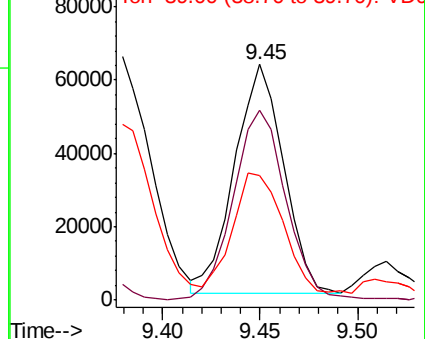
41 100

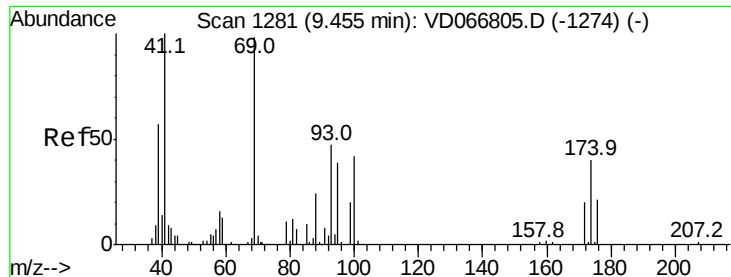
69 88.9 74.5 111.7

39 53.1 47.0 70.6



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: 1087.010 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

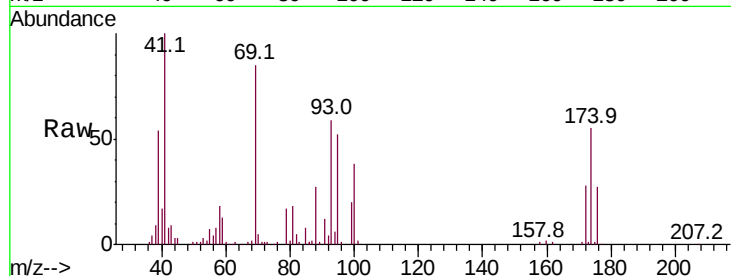
Tot Ion: 88 Resp: 29331

Ion Ratio Lower Upper

88 100

43 30.2 27.7 41.5

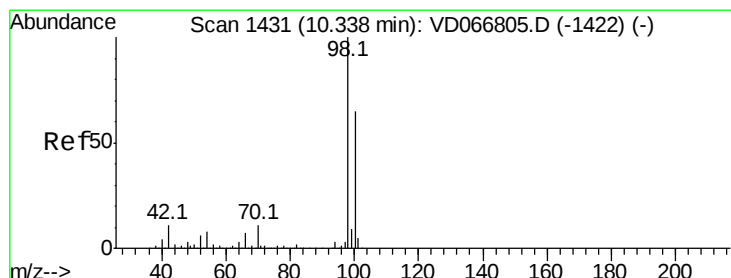
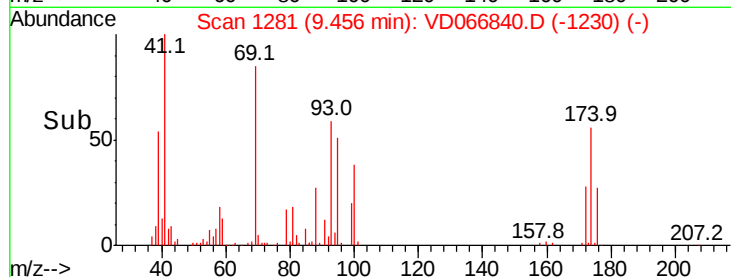
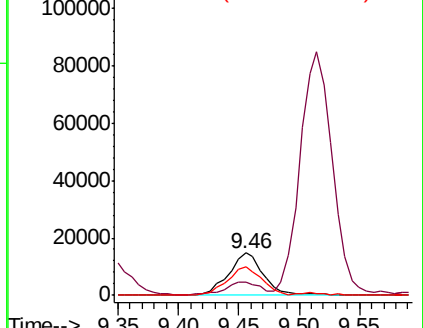
58 67.1 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.665 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066840.D

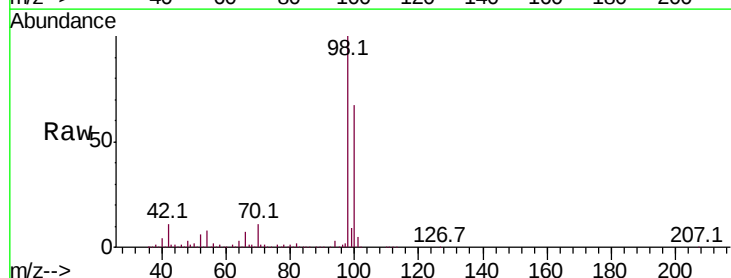
Acq: 24 Sep 2020 10:04

Tgt Ion: 98 Resp: 697159

Ion Ratio Lower Upper

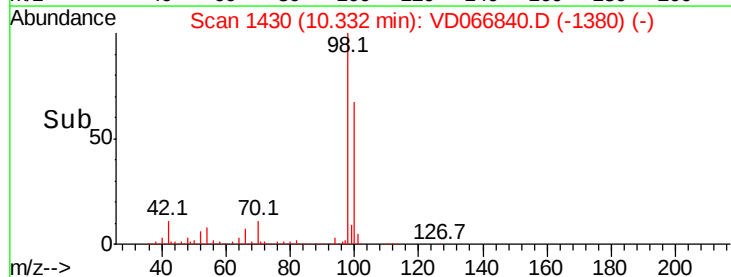
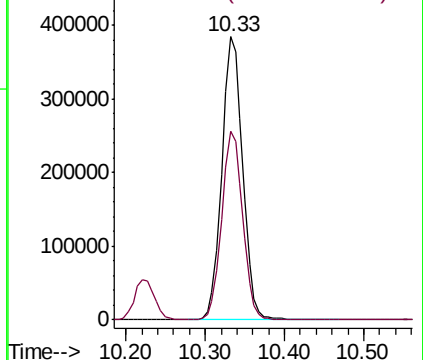
98 100

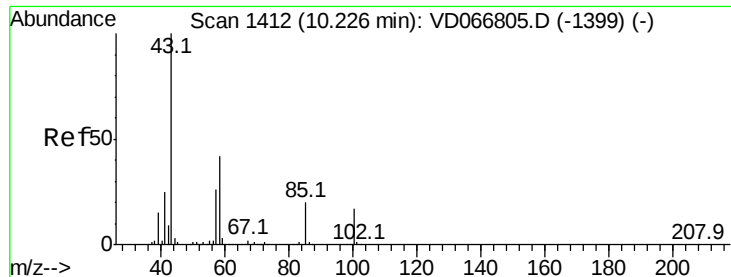
100 66.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 254.264 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

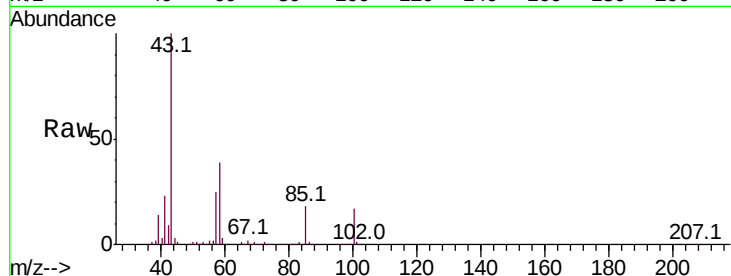
VSTDCCC050

Tot Ion: 43 Resp: 565502

Ion Ratio Lower Upper

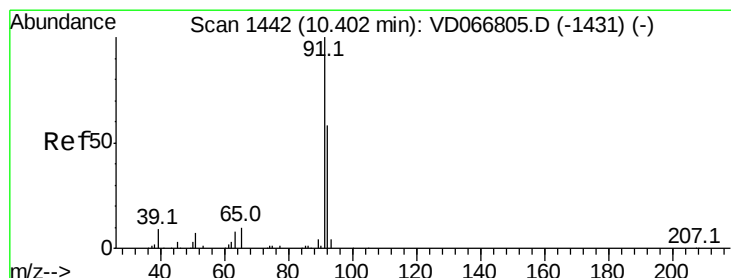
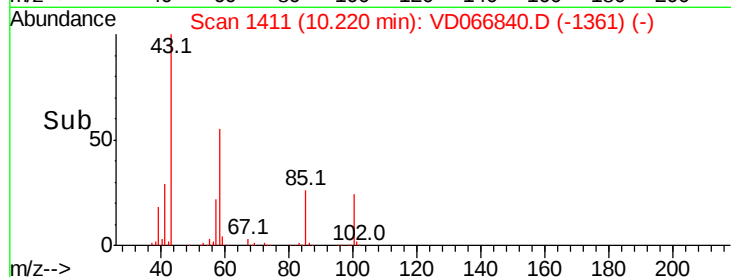
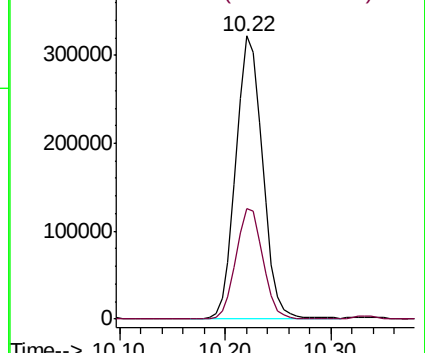
43 100

58 39.3 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.332 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066840.D

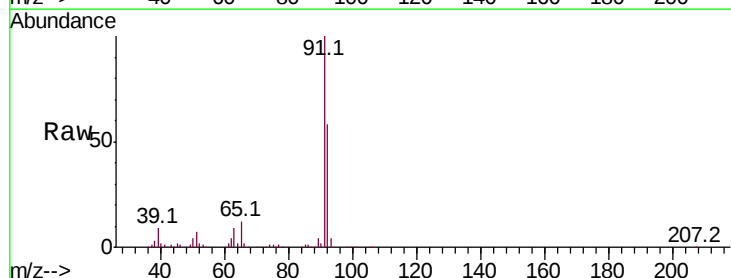
Acq: 24 Sep 2020 10:04

Tgt Ion: 92 Resp: 580334

Ion Ratio Lower Upper

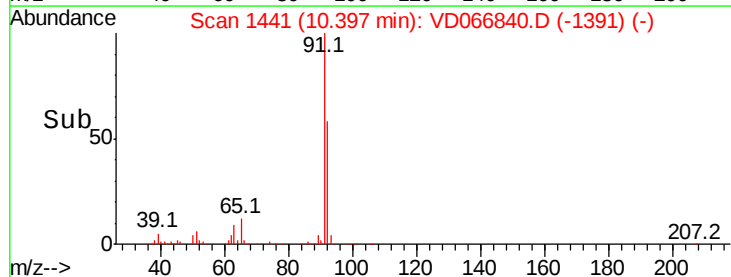
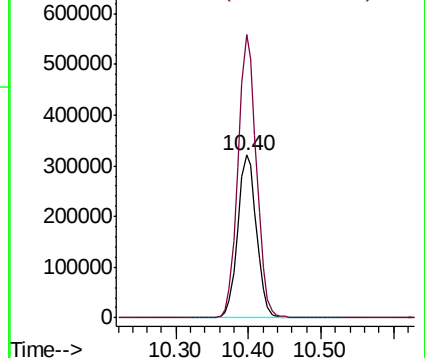
92 100

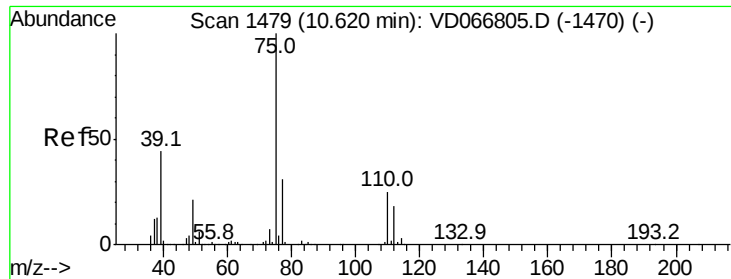
91 170.8 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.986 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

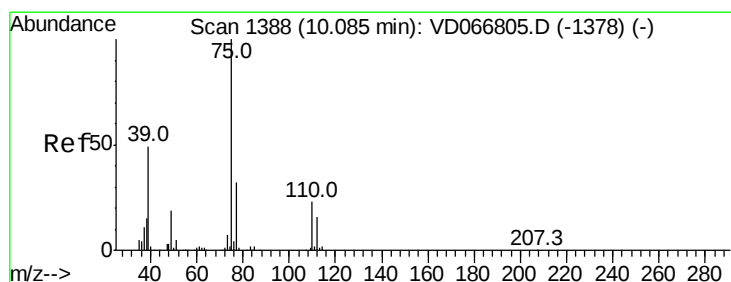
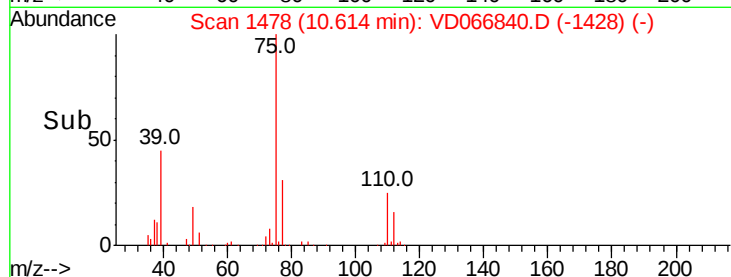
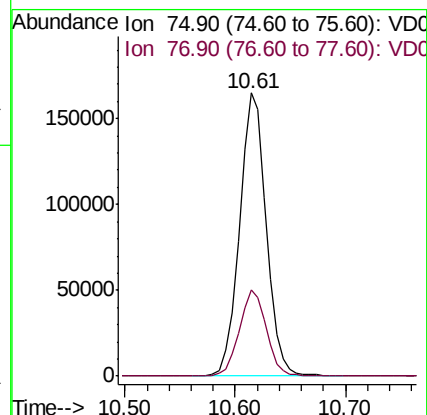
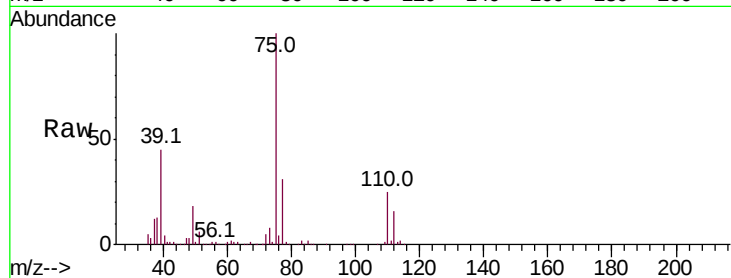
VSTDCCC050

Tot Ion: 75 Resp: 279700

Ion Ratio Lower Upper

75 100

77 30.7 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 49.926 ug/l

RT: 10.09 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

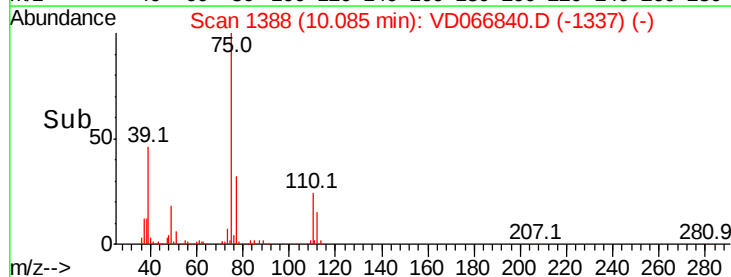
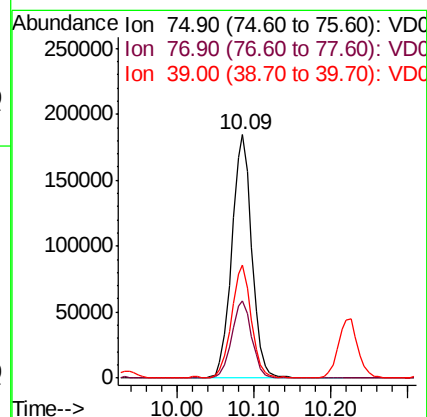
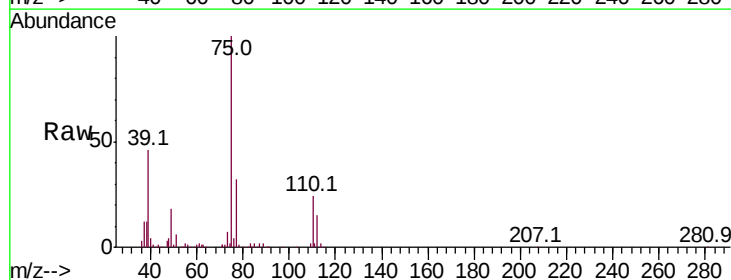
Tgt Ion: 75 Resp: 333959

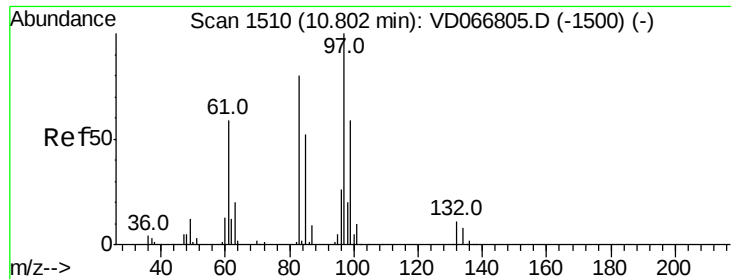
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 45.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 50.631 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 167000

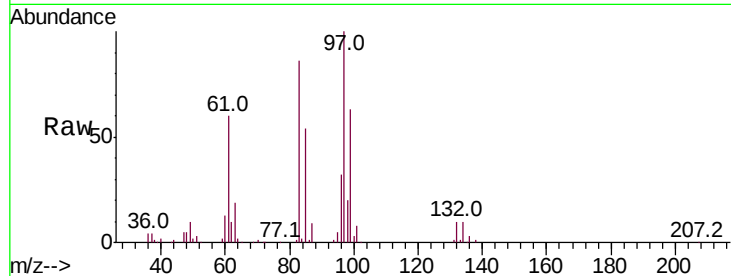
Ion Ratio Lower Upper

97 100

83 86.4 64.2 96.2

85 54.4 41.9 62.9

99 63.0 47.5 71.3

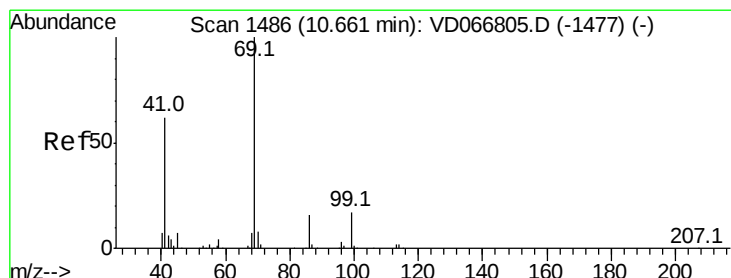
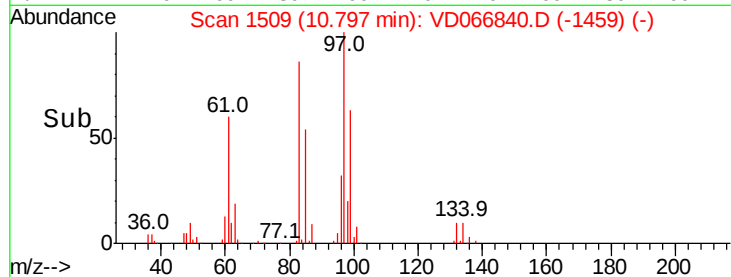
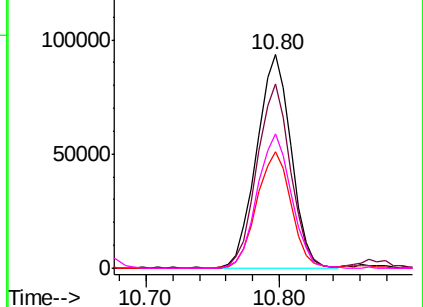


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 52.732 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

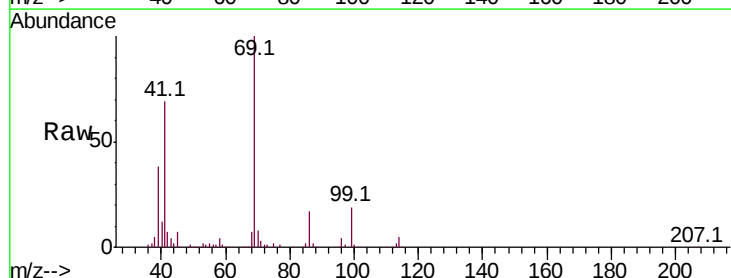
Tgt Ion: 69 Resp: 186326

Ion Ratio Lower Upper

69 100

41 64.5 52.2 78.2

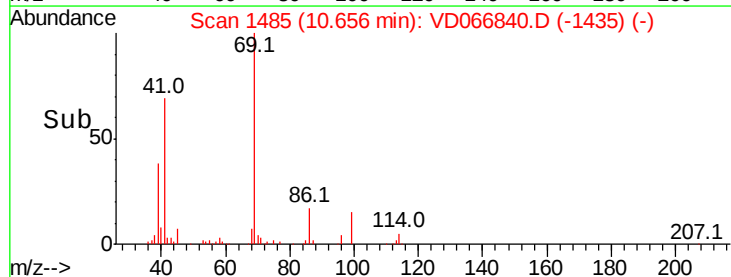
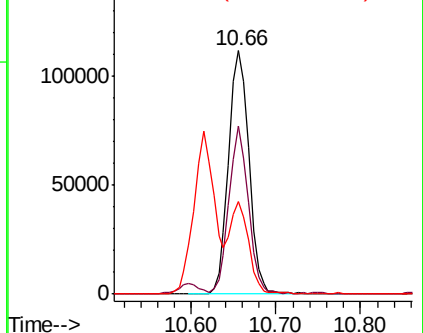
39 34.7 26.6 40.0

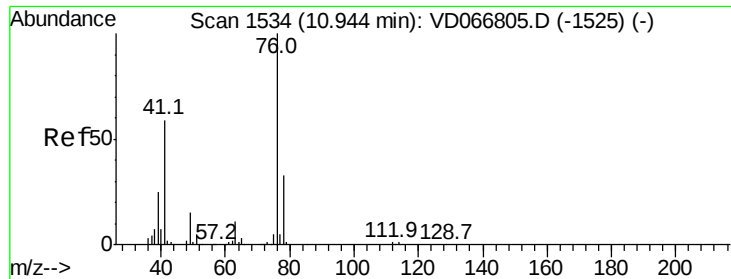


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.004 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

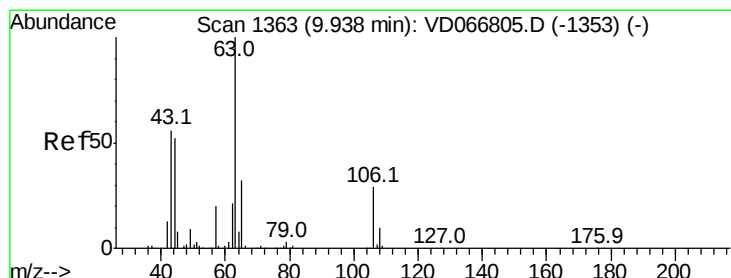
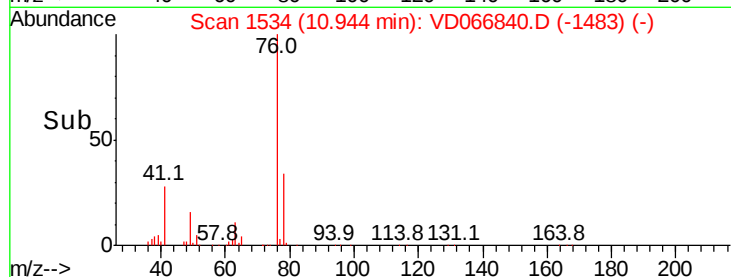
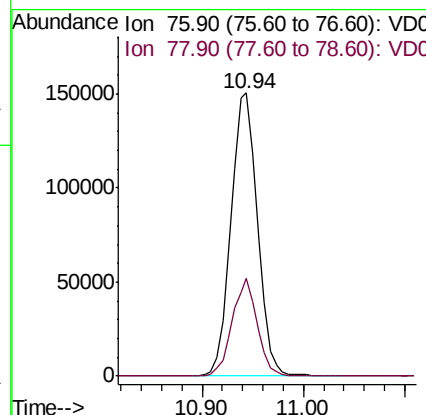
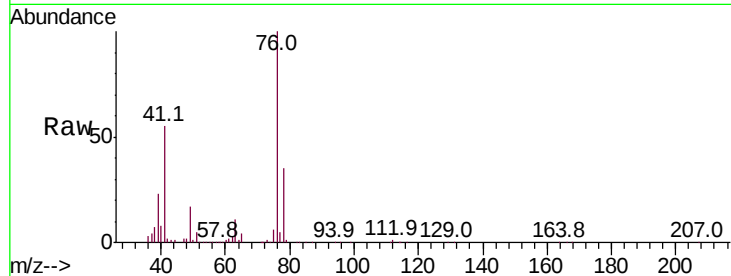
Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 272339

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5



#58

2-Chloroethyl Vinyl ether

Concen: 242.629 ug/l

RT: 9.94 min Scan# 1363

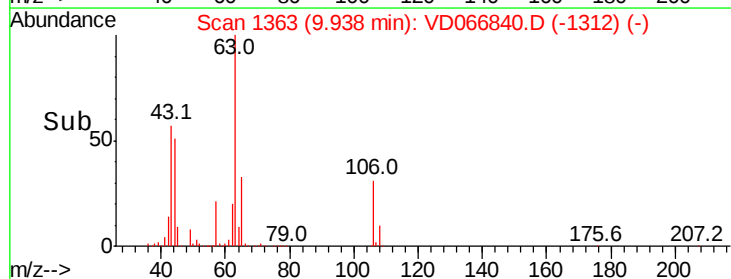
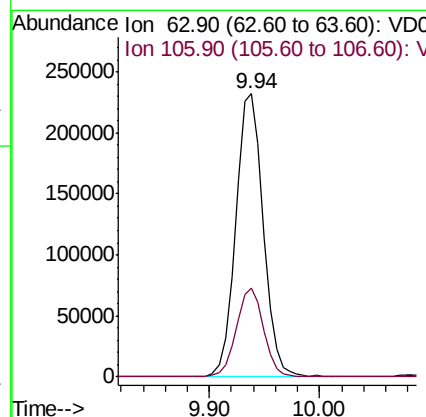
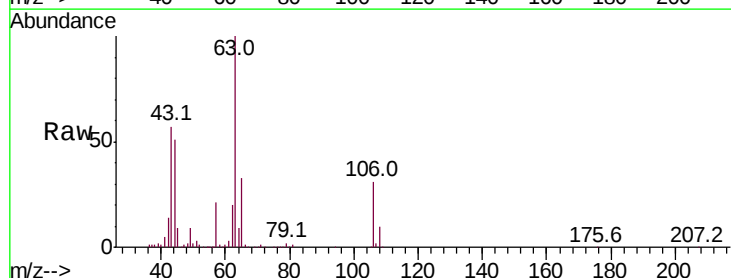
Delta R.T. 0.00 min

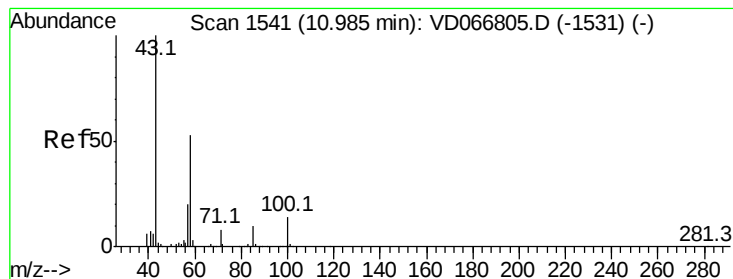
Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Tgt Ion: 63 Resp: 405937

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.8	35.6





#59

2-Hexanone

Concen: 257.204 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

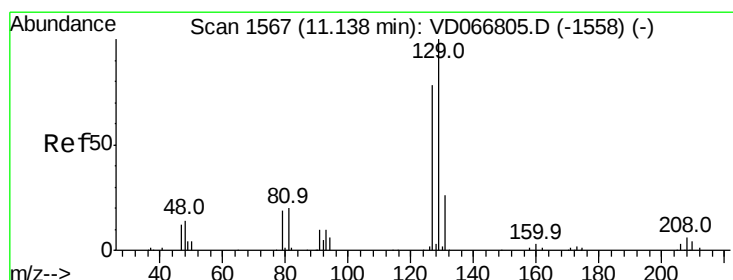
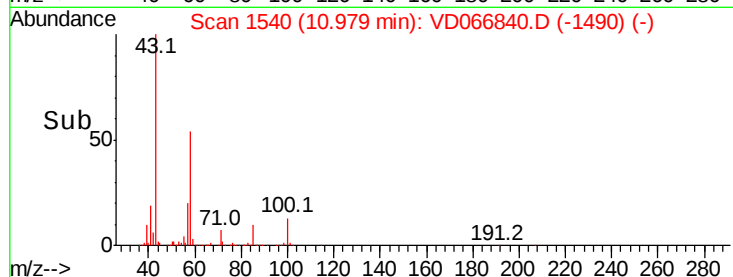
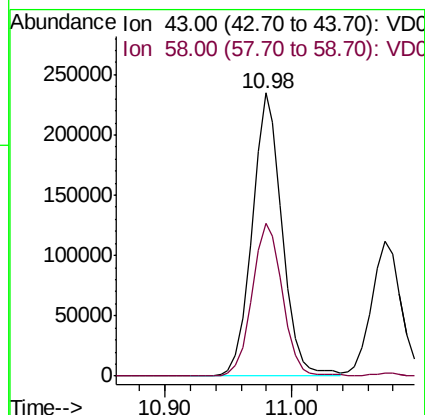
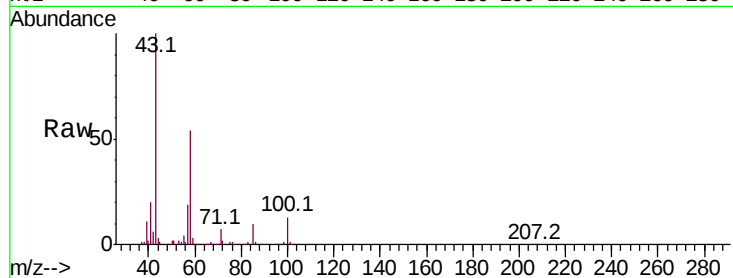
VSTDCCC050

Tot Ion: 43 Resp: 385770

Ion Ratio Lower Upper

43 100

58 54.6 27.0 80.8



#60

Dibromochloromethane

Concen: 51.148 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD066840.D

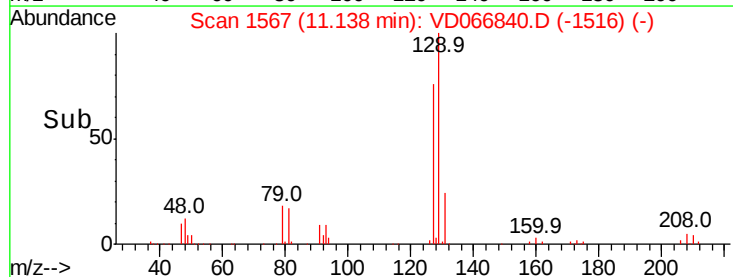
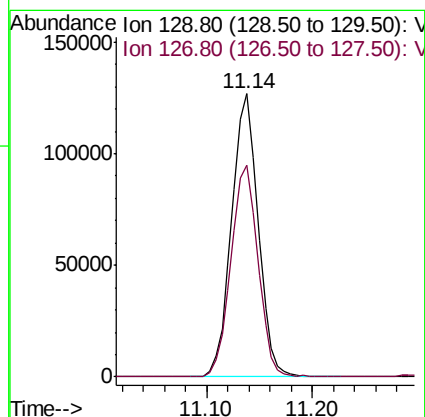
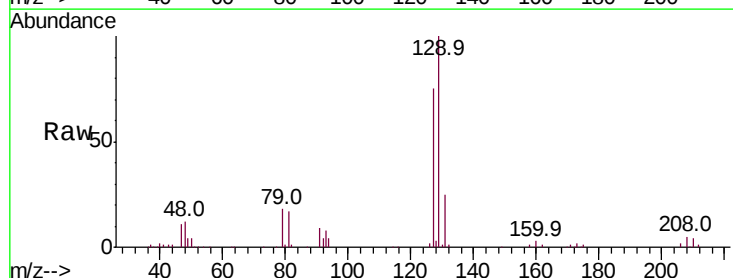
Acq: 24 Sep 2020 10:04

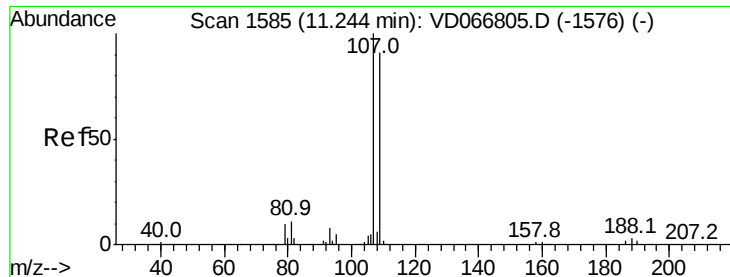
Tgt Ion: 129 Resp: 220182

Ion Ratio Lower Upper

129 100

127 76.1 38.6 116.0

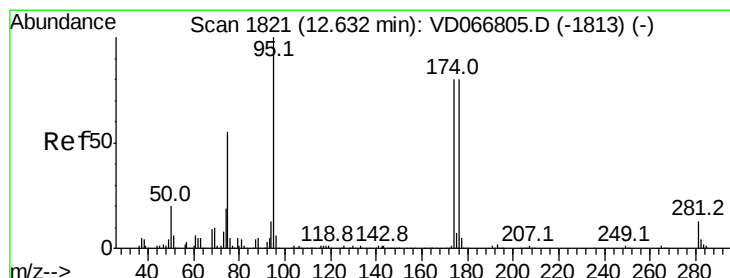
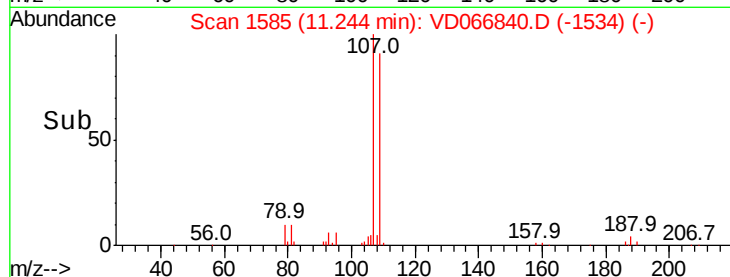
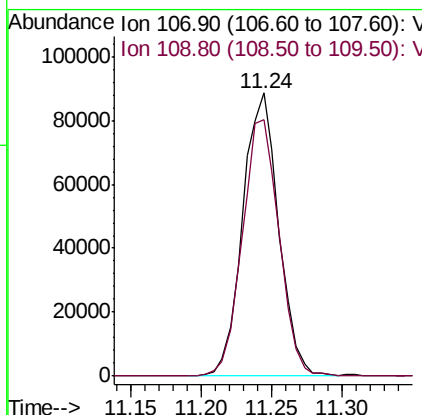
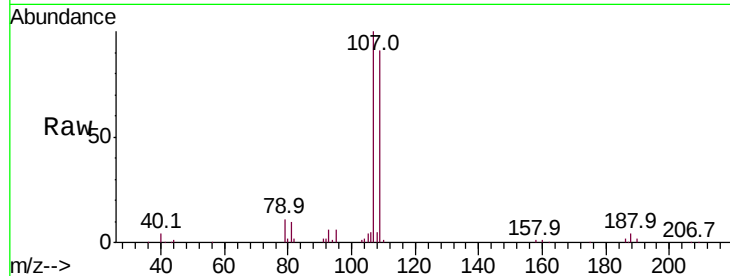




#61
 1,2-Dibromoethane
 Concen: 51.545 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

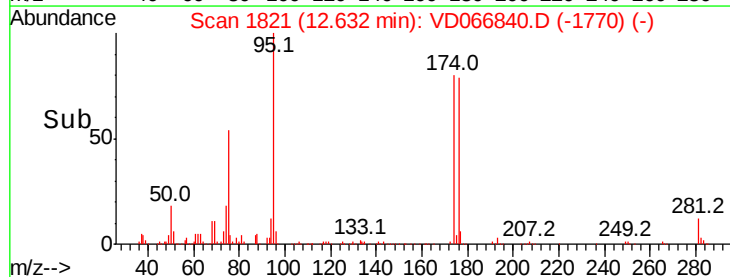
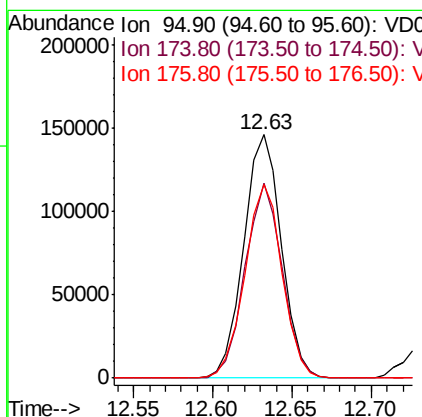
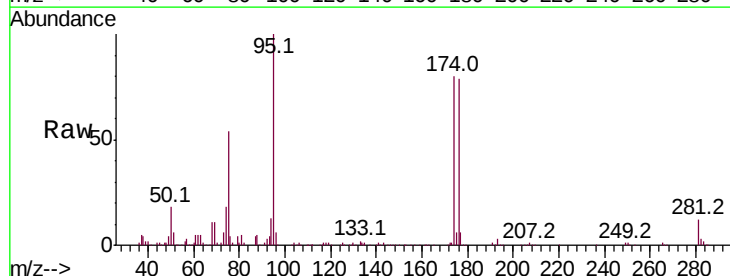
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

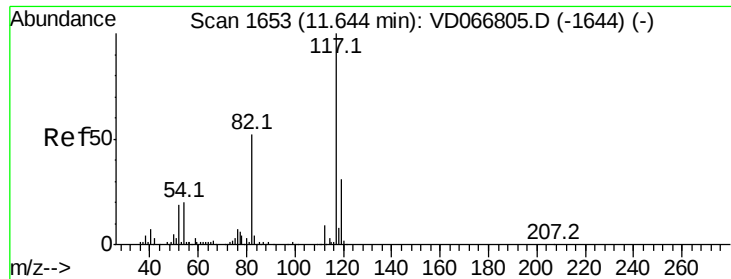
Tot Ion:107 Resp: 158136
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.084 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion: 95 Resp: 240632
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 159.8
 176 78.6 0.0 154.4

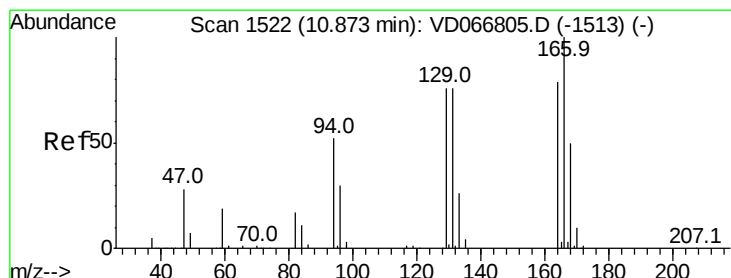
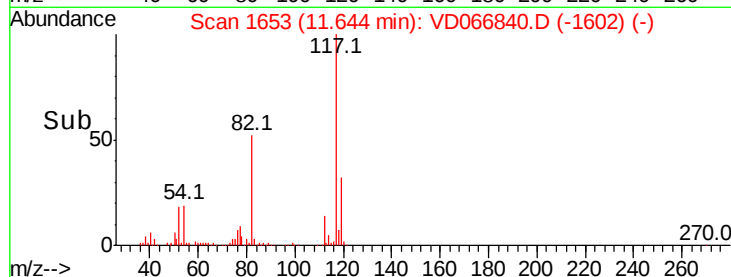
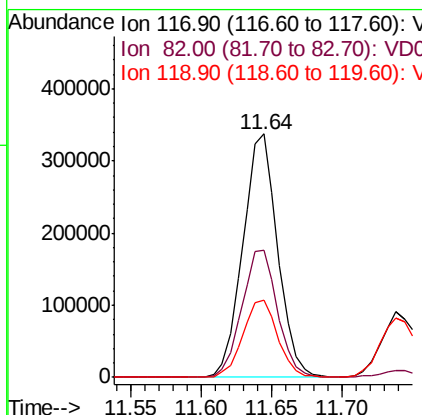
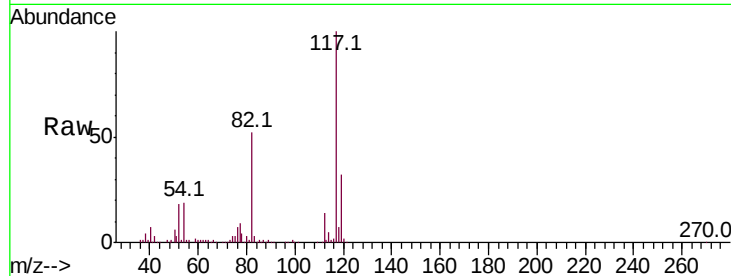




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

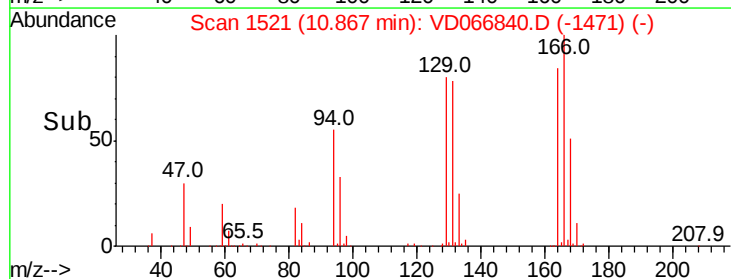
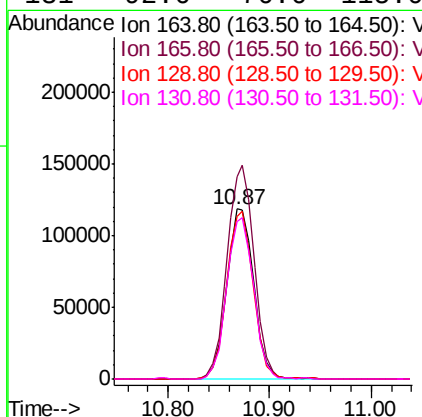
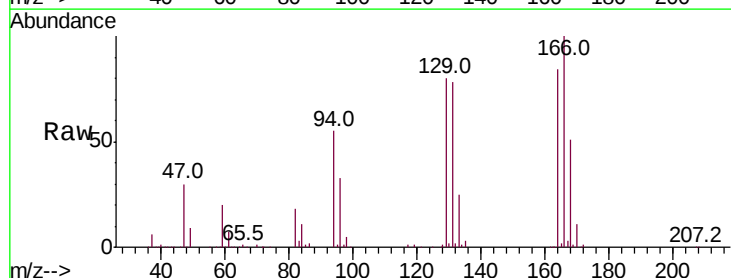
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

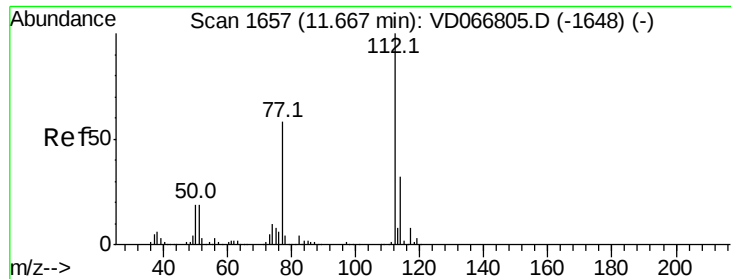
Tot Ion:117 Resp: 582195
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.6
119 32.0 24.6 37.0



#64
Tetrachloroethene
Concen: 52.061 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion:164 Resp: 218020
Ion Ratio Lower Upper
164 100
166 118.8 101.1 151.7
129 95.6 77.0 115.4
131 92.6 76.6 115.0

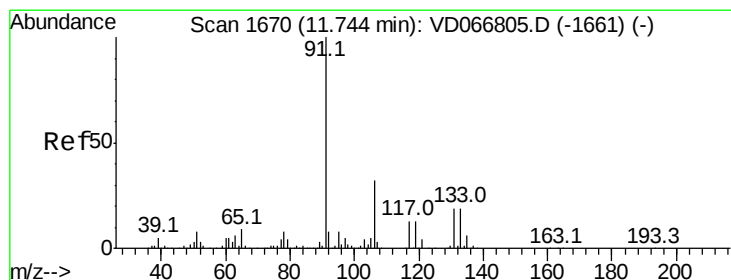
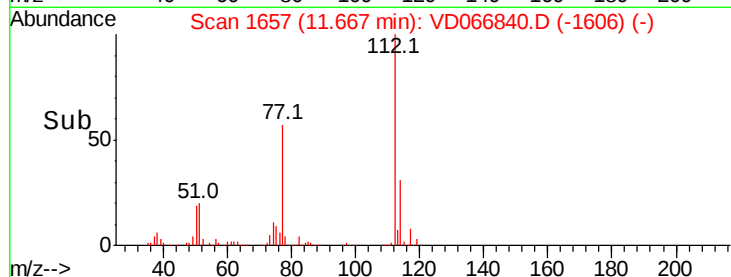
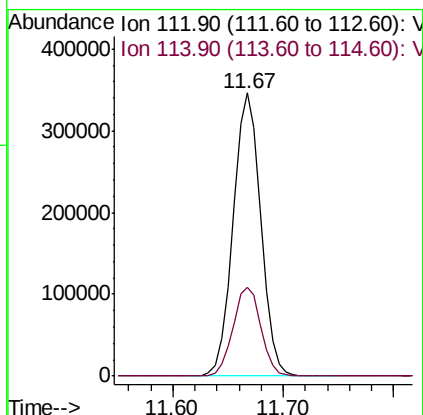
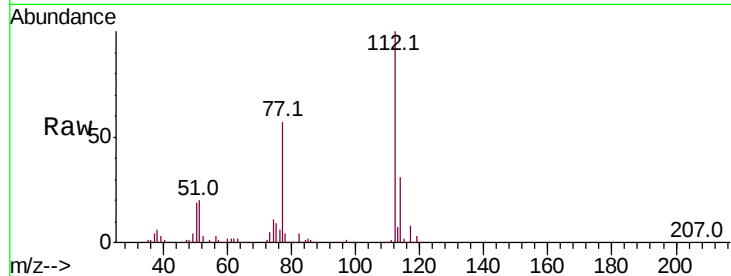




#65
Chlorobenzene
Concen: 50.076 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

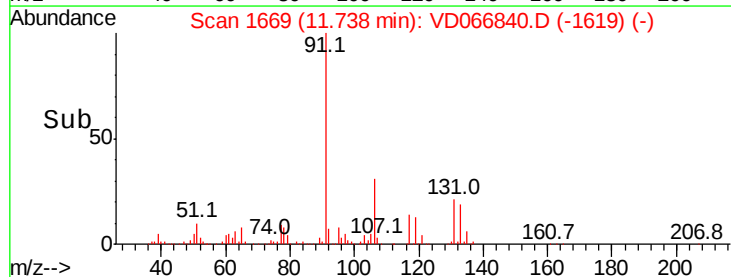
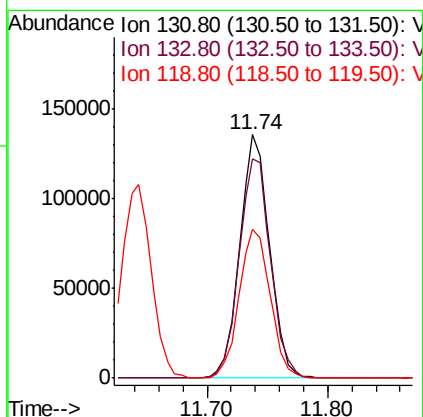
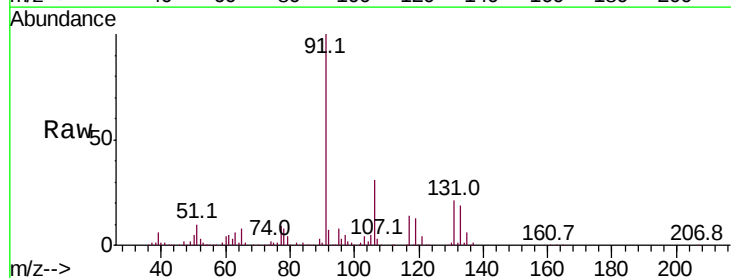
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

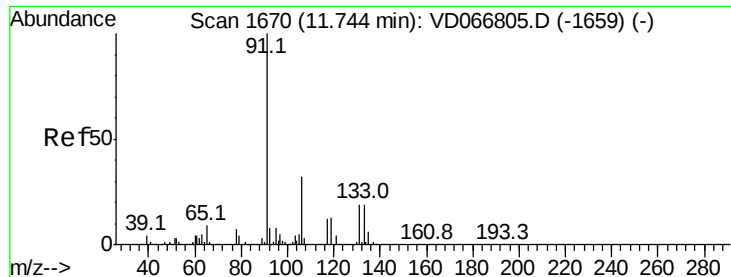
Tot Ion:112 Resp: 606856
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.699 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion:131 Resp: 232539
Ion Ratio Lower Upper
131 100
133 95.1 46.7 140.1
119 64.1 32.3 96.9





#67

Ethyl Benzene

Concen: 52.222 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

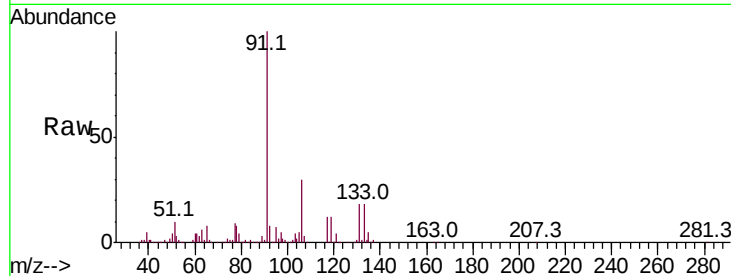
VSTDCCC050

Tot Ion: 91 Resp: 1111516

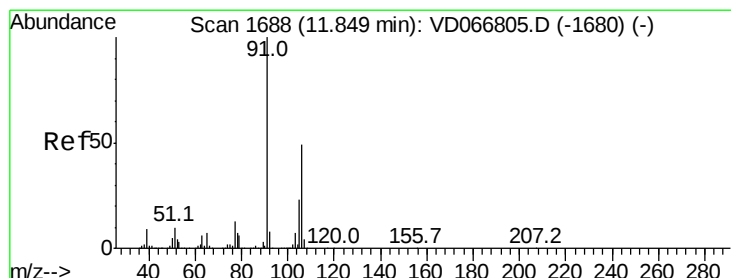
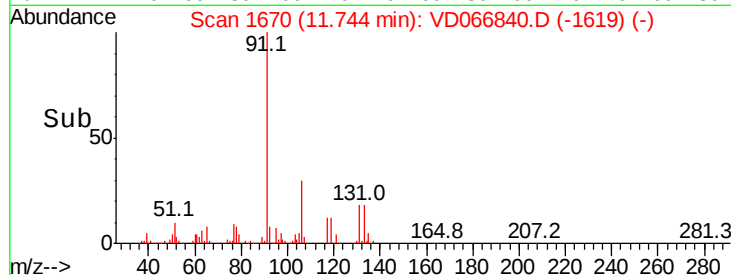
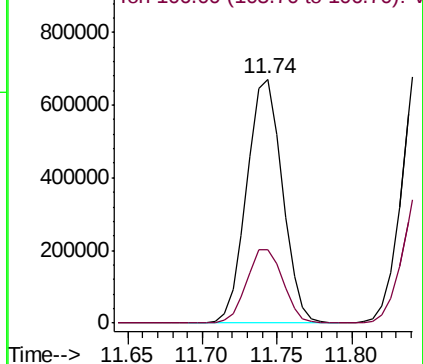
Ion Ratio Lower Upper

91 100

106 30.1 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VD066840.D (-1659) (-)



#68

m/p-Xylenes

Concen: 107.916 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066840.D

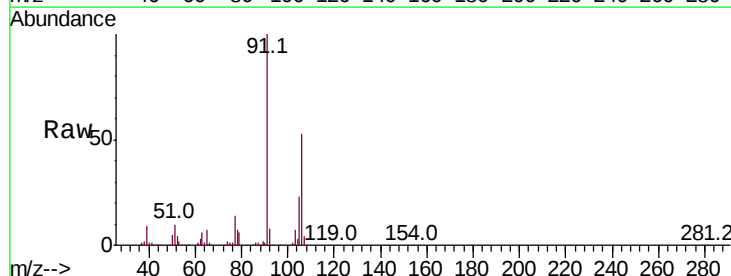
Acq: 24 Sep 2020 10:04

Tgt Ion: 106 Resp: 869642

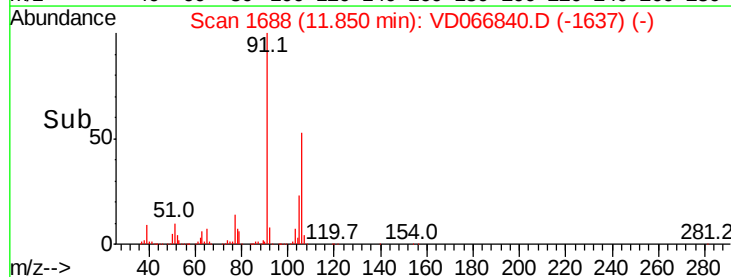
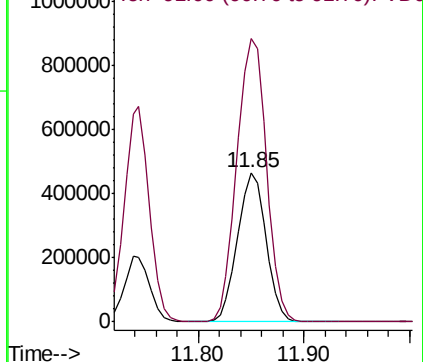
Ion Ratio Lower Upper

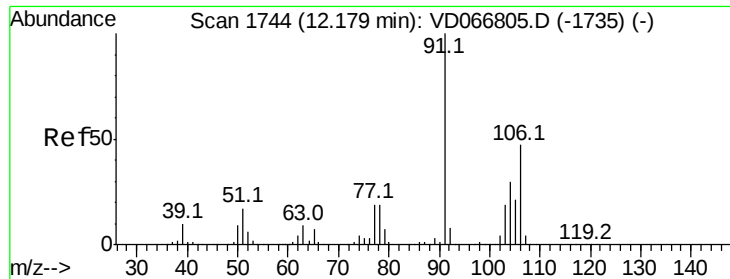
106 100

91 197.4 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066840.D (-1637) (-)

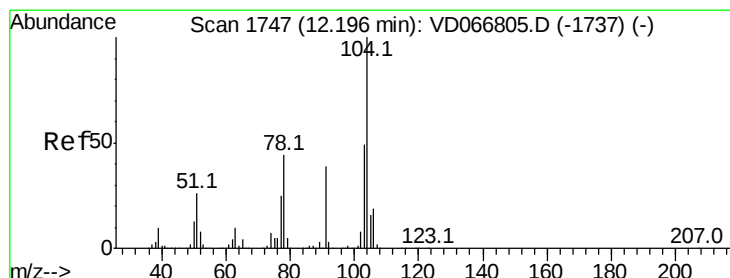
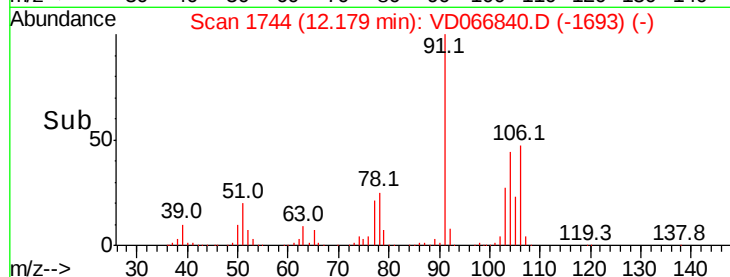
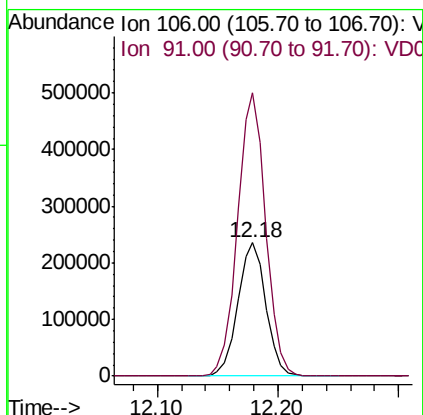
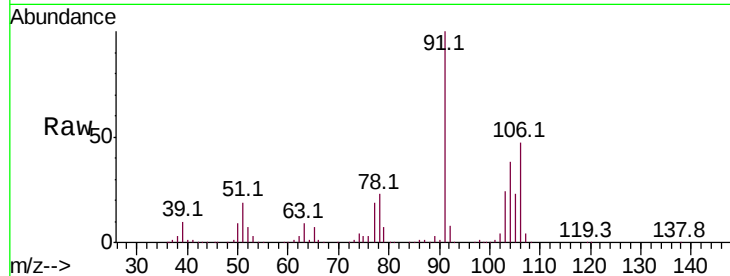




#69
o-Xylene
Concen: 52.202 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

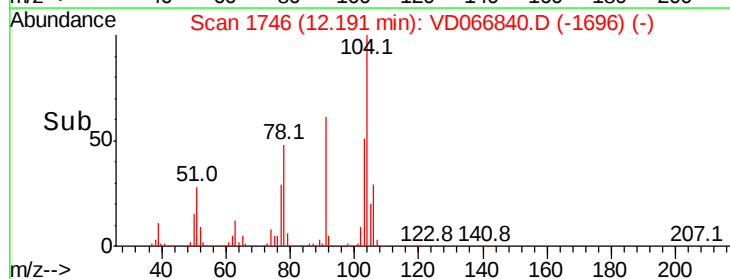
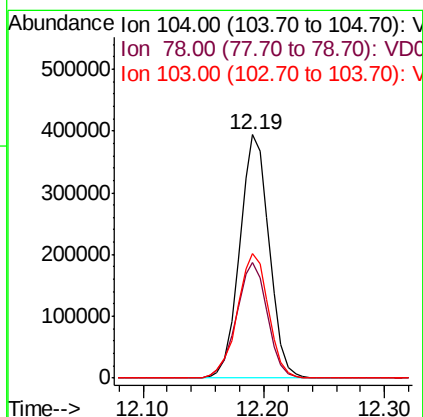
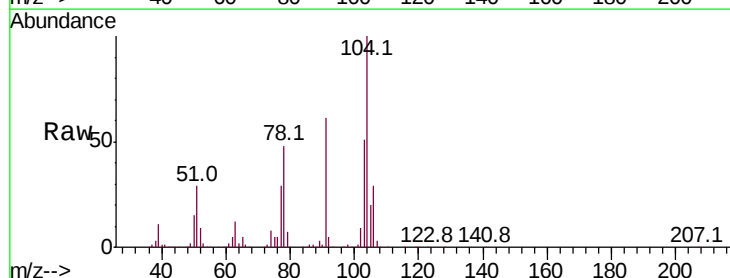
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

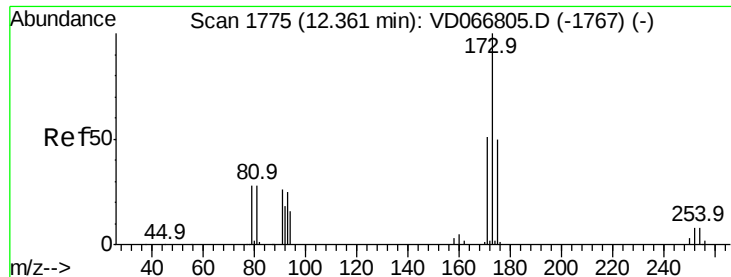
Tot Ion:106 Resp: 380386
Ion Ratio Lower Upper
106 100
91 212.7 106.3 318.8



#70
Styrene
Concen: 52.748 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion:104 Resp: 667496
Ion Ratio Lower Upper
104 100
78 50.0 38.9 58.3
103 54.0 43.2 64.8





#71

Bromoform

Concen: 50.231 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

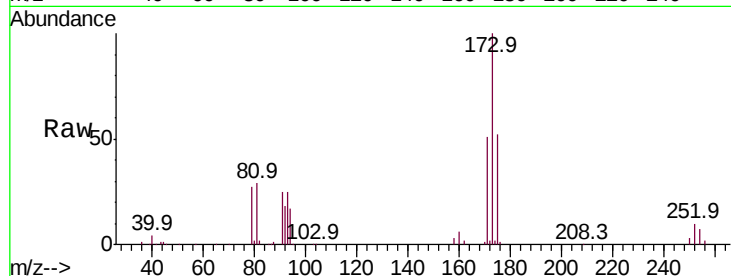
Tot Ion:173 Resp: 116652

Ion Ratio Lower Upper

173 100

175 50.4 24.9 74.6

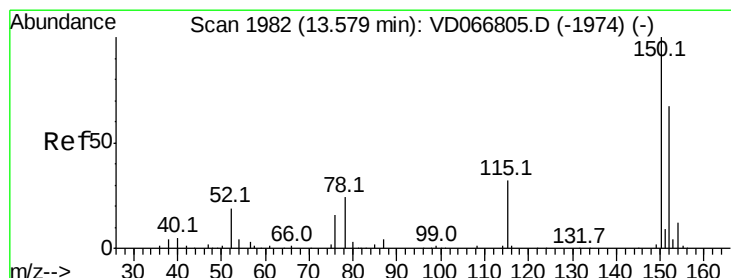
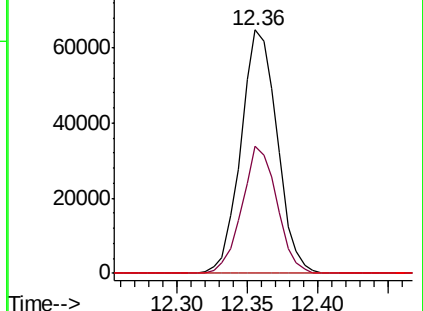
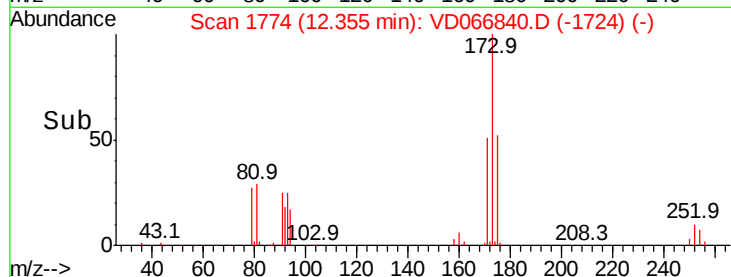
254 0.0 0.1 0.1#



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: VD066840.D

Acq: 24 Sep 2020 10:04

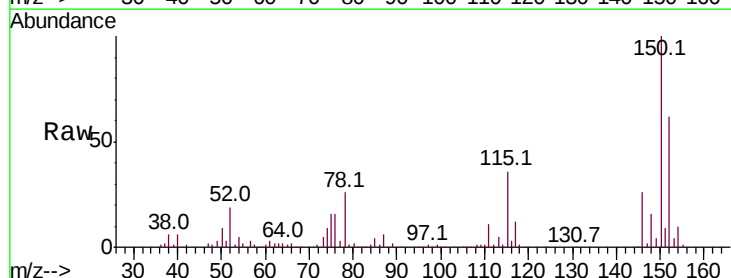
Tgt Ion:152 Resp: 282232

Ion Ratio Lower Upper

152 100

115 59.6 30.3 91.0

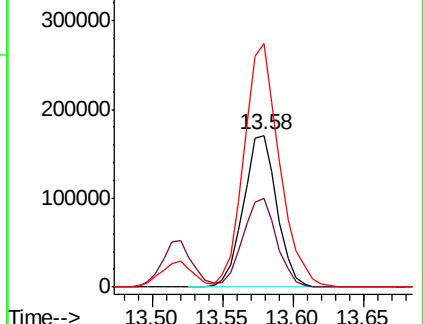
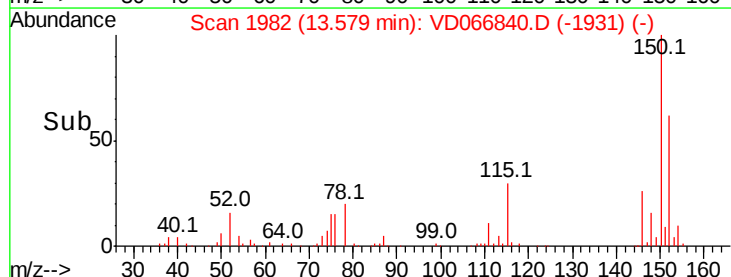
150 170.9 0.0 346.2

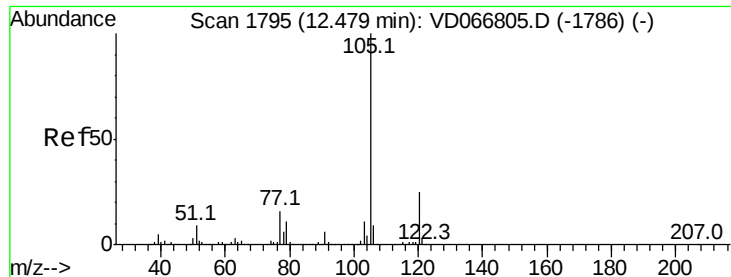


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.712 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

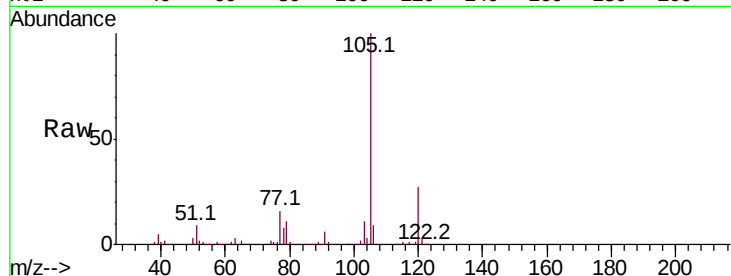
VSTDCCC050

Tot Ion:105 Resp: 1074724

Ion Ratio Lower Upper

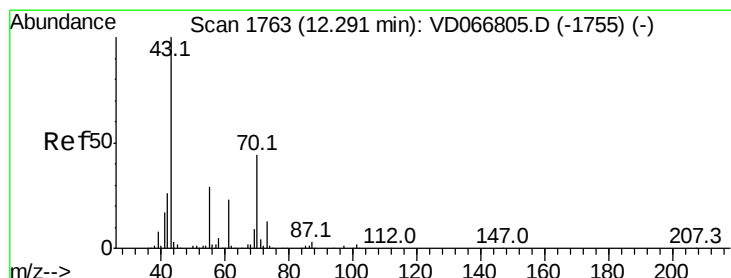
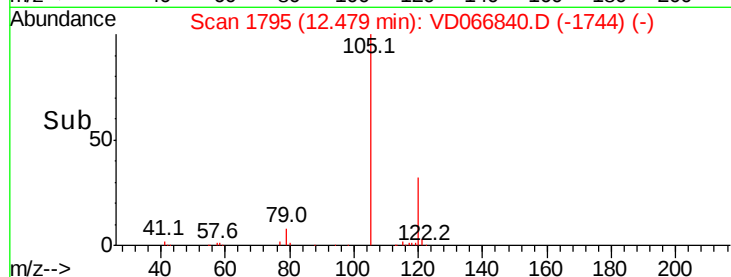
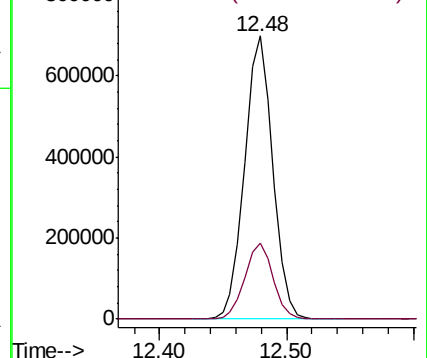
105 100

120 27.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.866 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Tgt Ion: 43 Resp: 198542

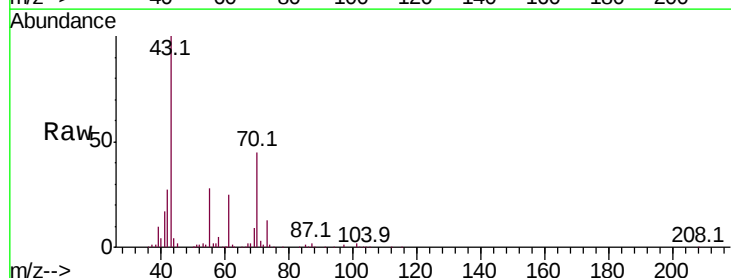
Ion Ratio Lower Upper

43 100

70 45.5 36.1 54.1

55 28.3 21.8 32.8

61 24.6 19.0 28.4

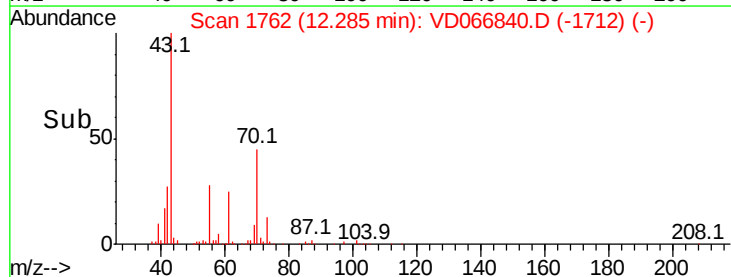
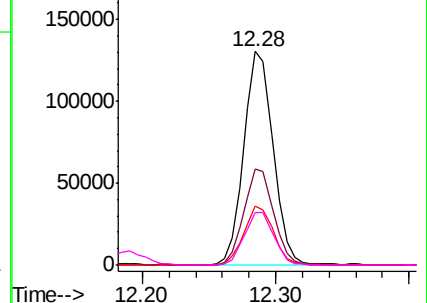


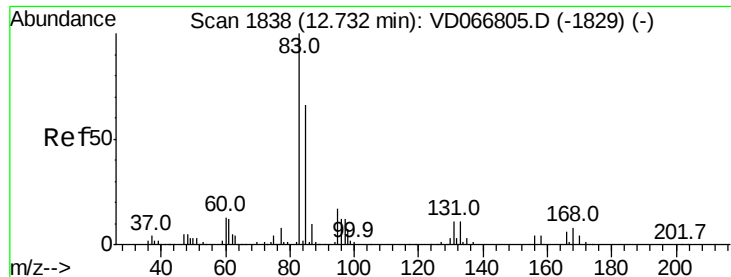
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.012 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

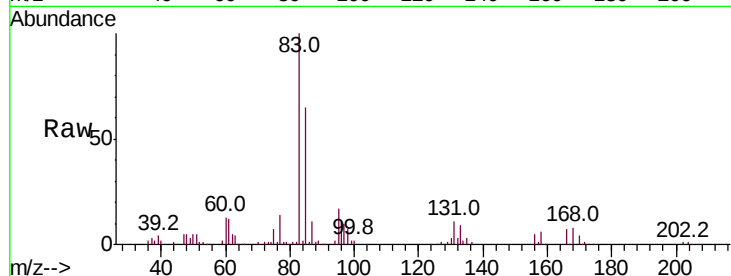
Tot Ion: 83 Resp: 172431

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

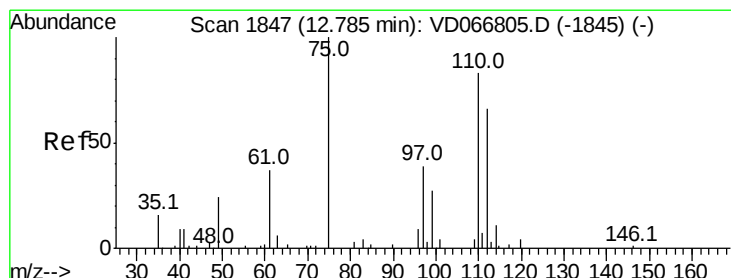
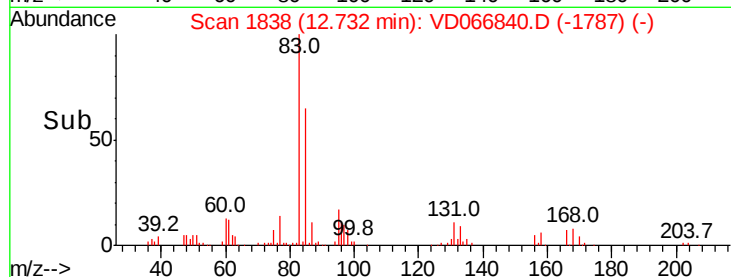
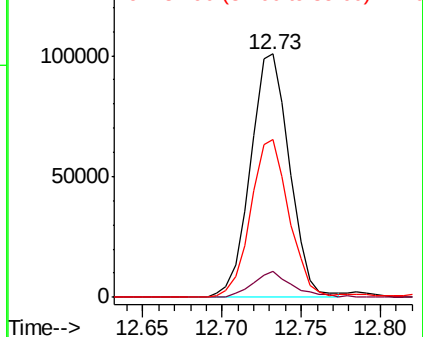
85 63.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.538 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066840.D

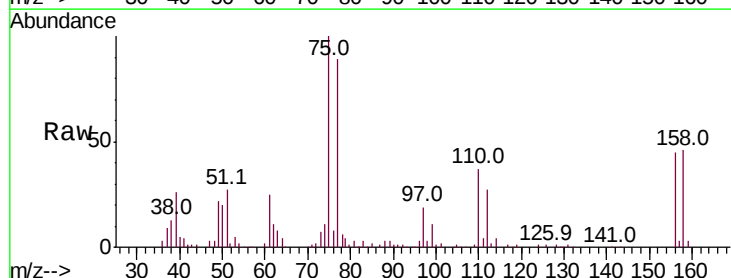
Acq: 24 Sep 2020 10:04

Tgt Ion: 75 Resp: 223455

Ion Ratio Lower Upper

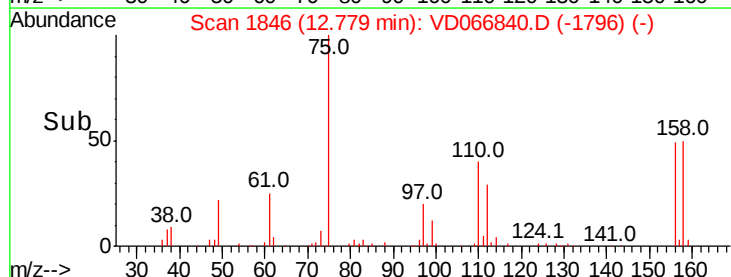
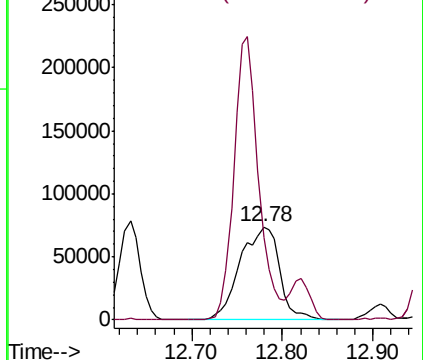
75 100

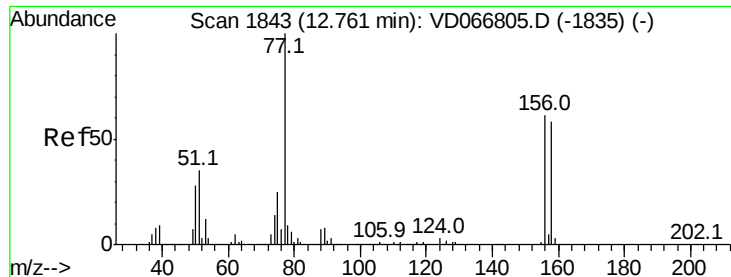
77 192.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.526 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

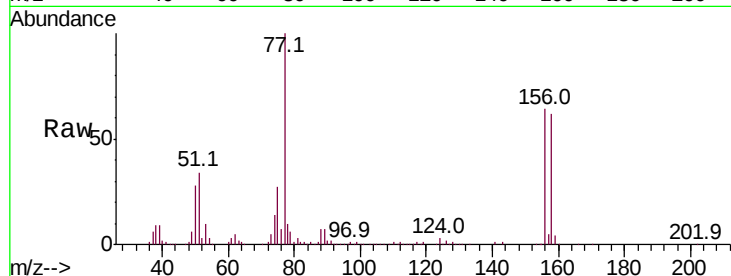
Tot Ion:156 Resp: 240926

Ion Ratio Lower Upper

156 100

77 178.5 92.3 276.9

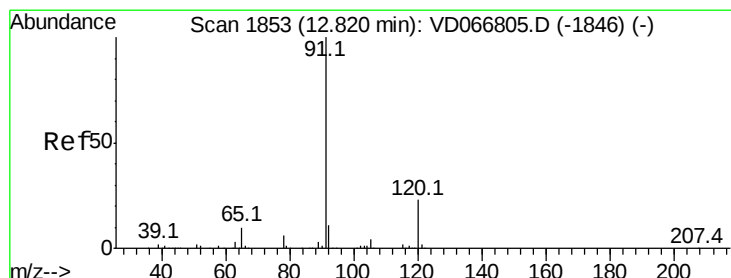
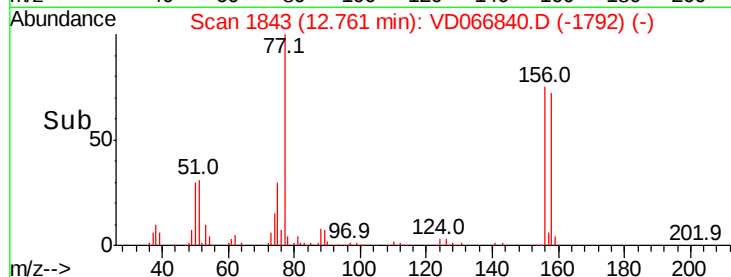
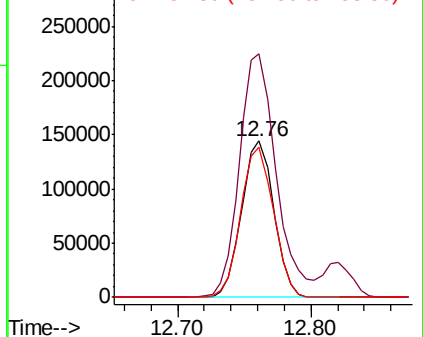
158 97.5 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.826 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066840.D

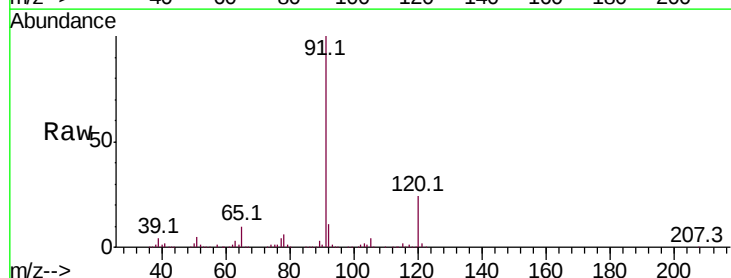
Acq: 24 Sep 2020 10:04

Tgt Ion: 91 Resp: 1295733

Ion Ratio Lower Upper

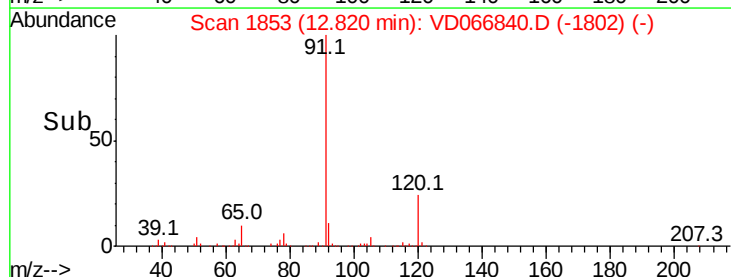
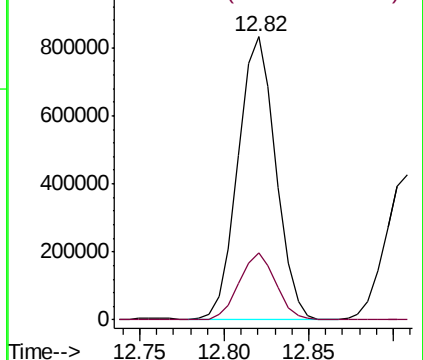
91 100

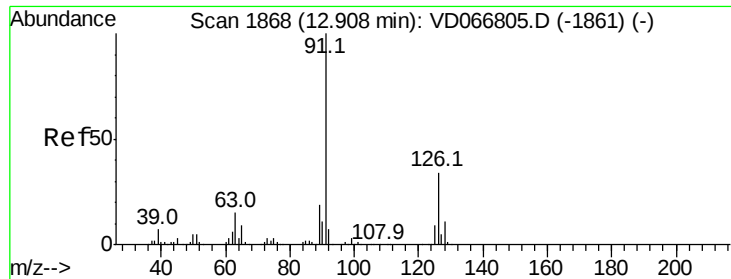
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.067 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

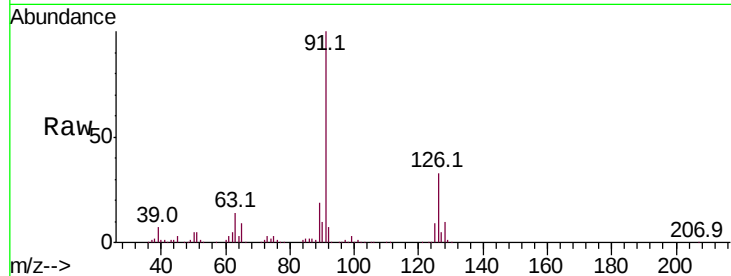
VSTDCCC050

Tot Ion: 91 Resp: 699806

Ion Ratio Lower Upper

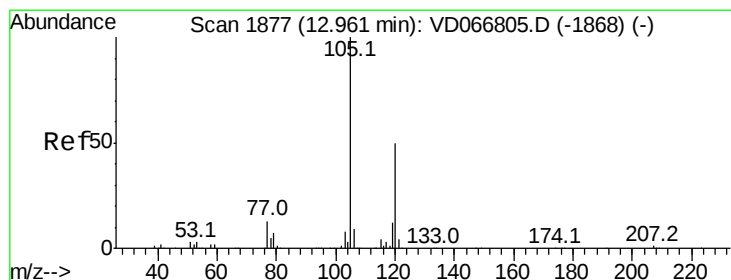
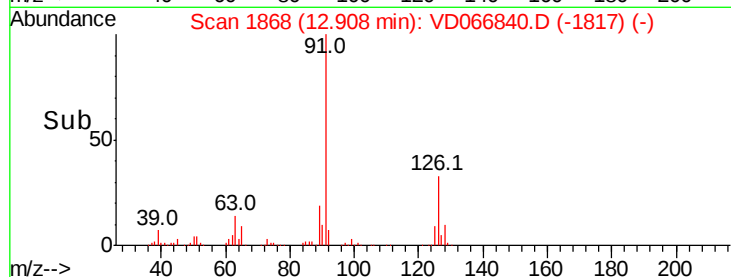
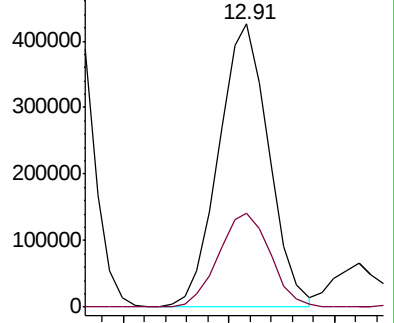
91 100

126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.452 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066840.D

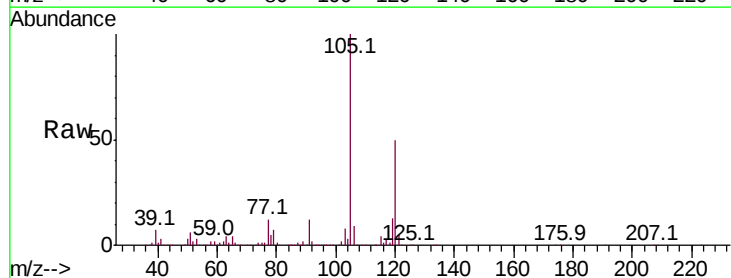
Acq: 24 Sep 2020 10:04

Tgt Ion:105 Resp: 907417

Ion Ratio Lower Upper

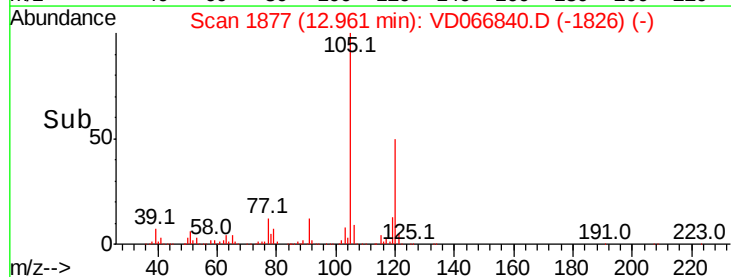
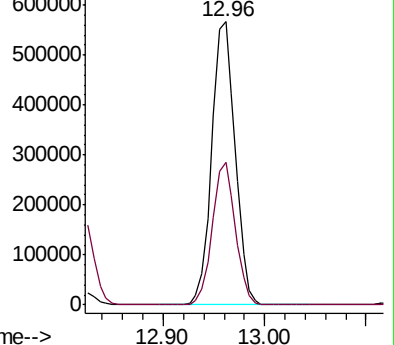
105 100

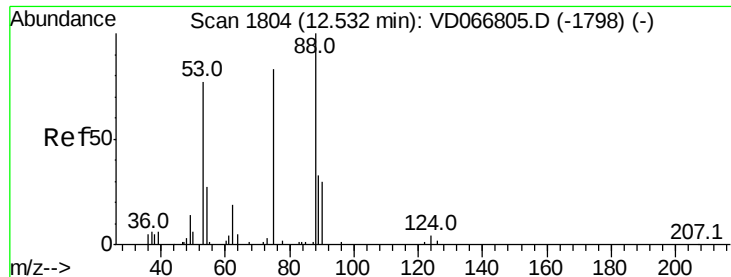
120 49.5 24.4 73.4



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: 45.254 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

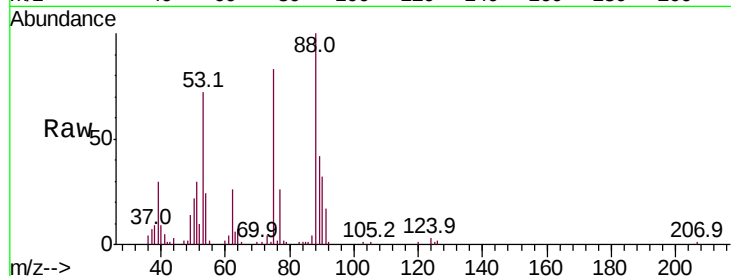
Tot Ion: 75 Resp: 42306

Ion Ratio Lower Upper

75 100

53 91.4 78.5 117.7

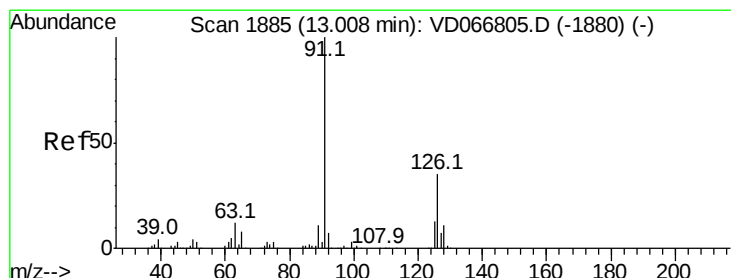
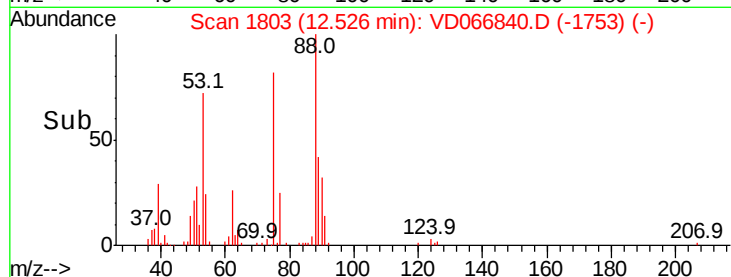
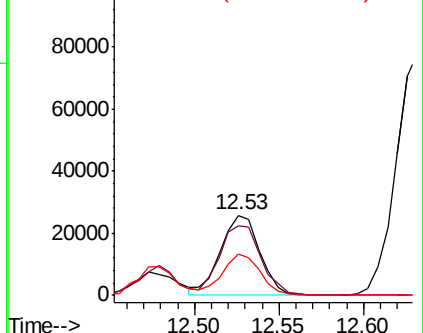
89 48.3 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.649 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066840.D

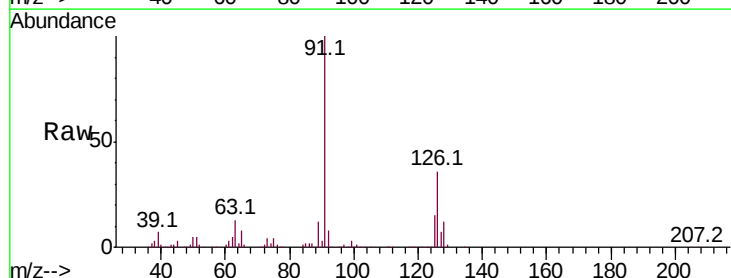
Acq: 24 Sep 2020 10:04

Tgt Ion: 91 Resp: 746278

Ion Ratio Lower Upper

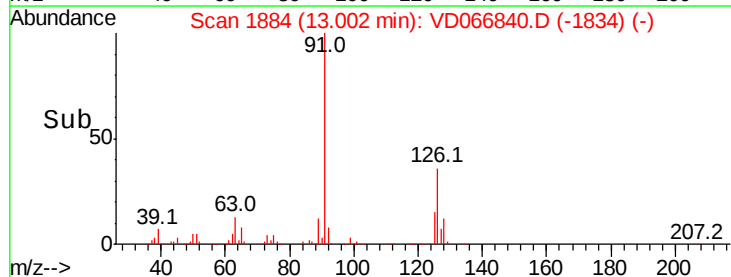
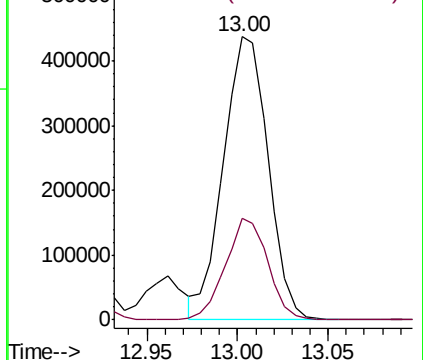
91 100

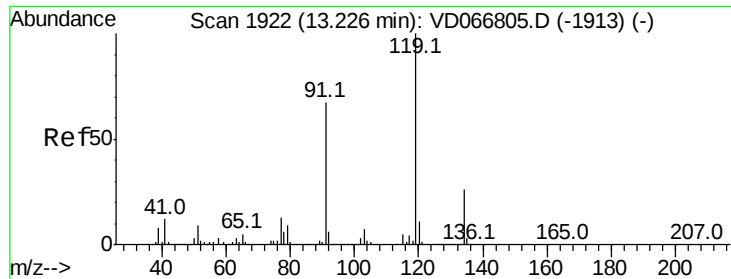
126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

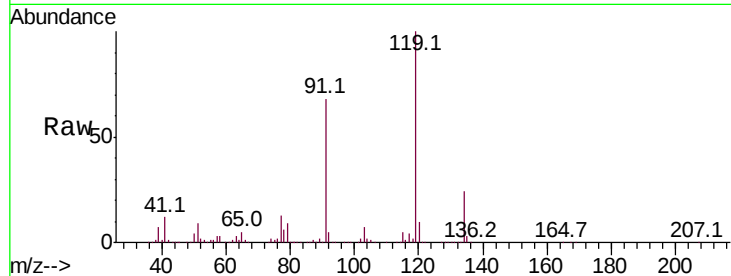




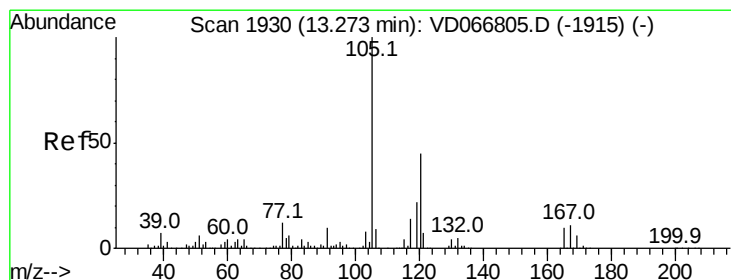
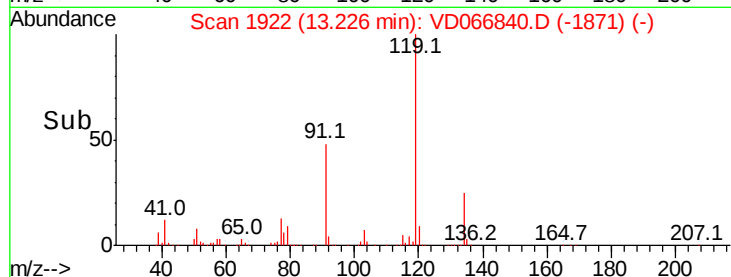
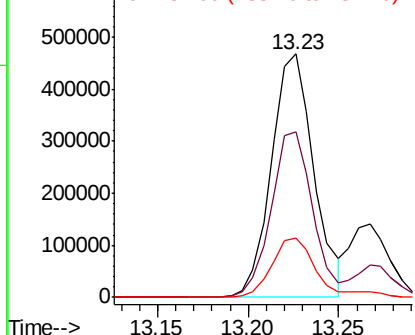
#83
tert-Butylbenzene
Concen: 53.856 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 765593
Ion Ratio Lower Upper
119 100
91 66.1 33.6 100.8
134 26.0 13.5 40.4

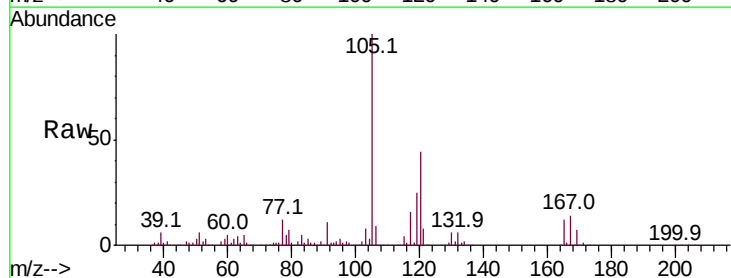


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

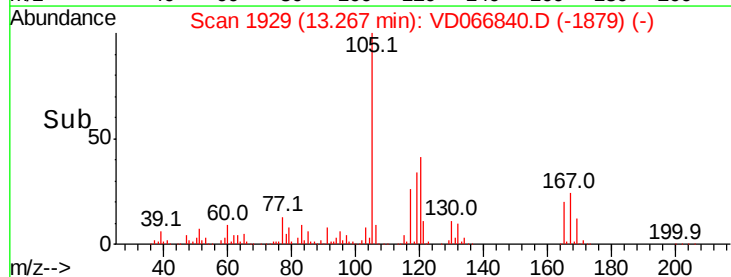
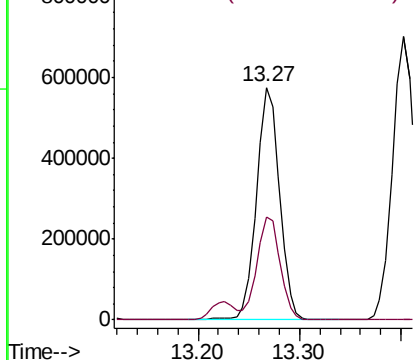


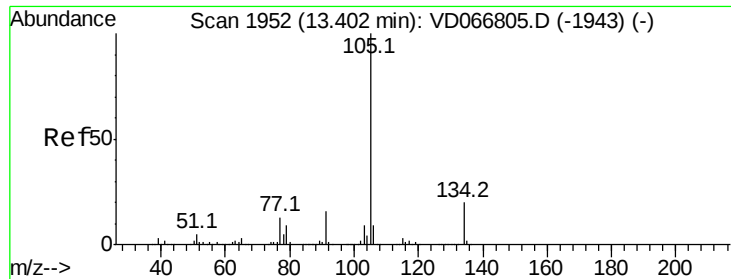
#84
1,2,4-Trimethylbenzene
Concen: 52.768 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion:105 Resp: 905227
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

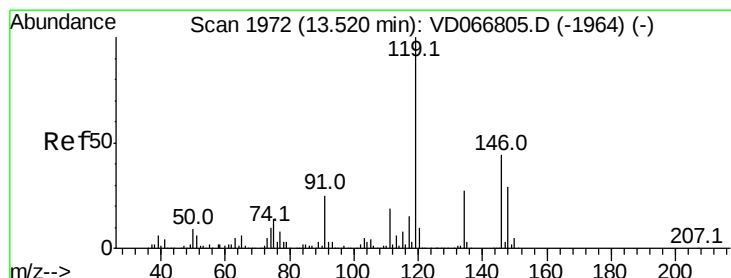
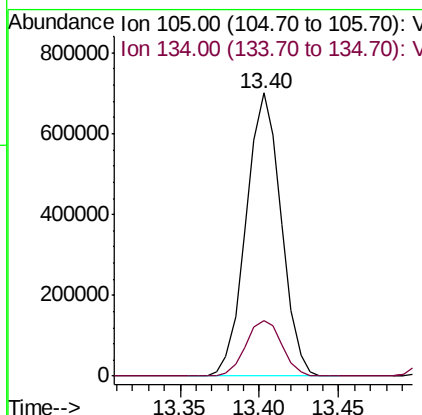
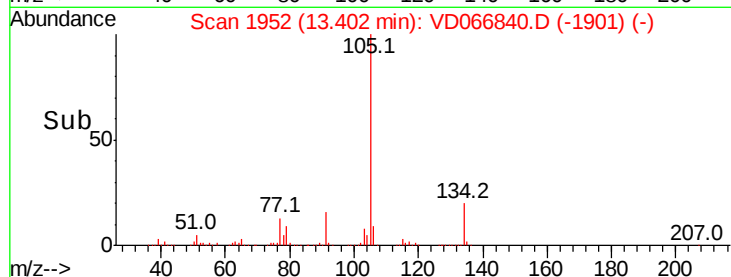
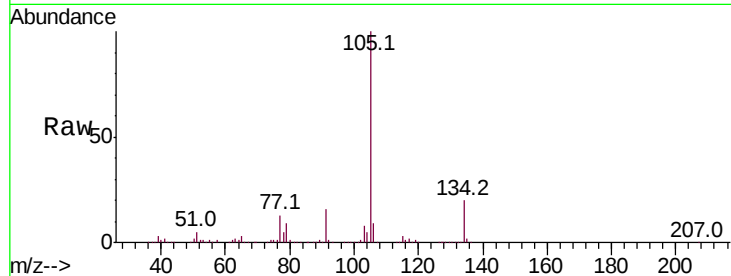




#85
 sec-Butylbenzene
 Concen: 52.715 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

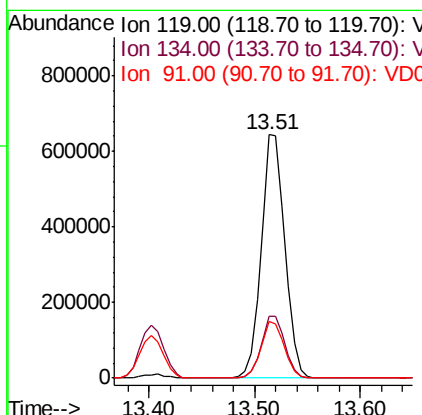
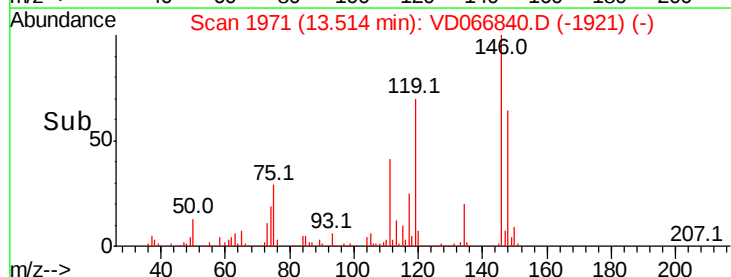
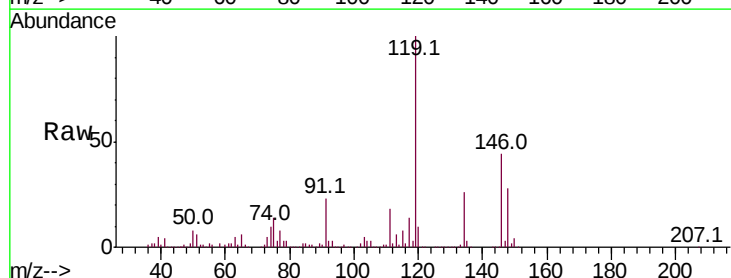
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

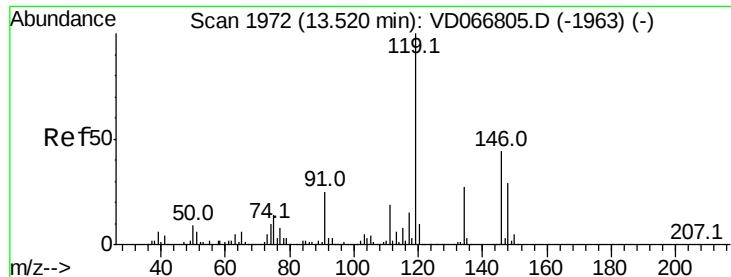
Tot Ion:105 Resp: 1077612
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 54.575 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion:119 Resp: 1005632
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 49.910 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

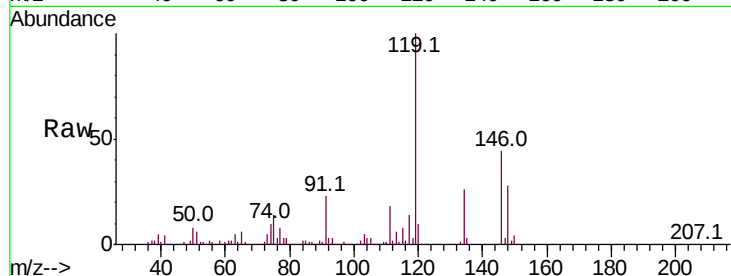
Tot Ion:146 Resp: 470187

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.9

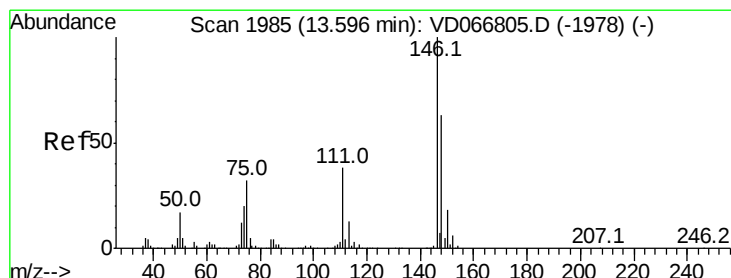
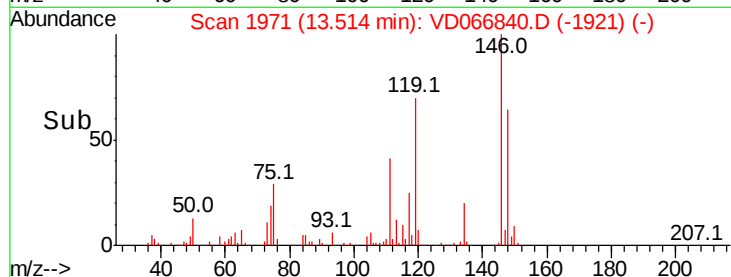
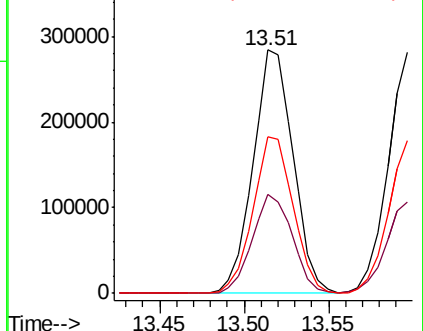
148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.224 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066840.D

Acq: 24 Sep 2020 10:04

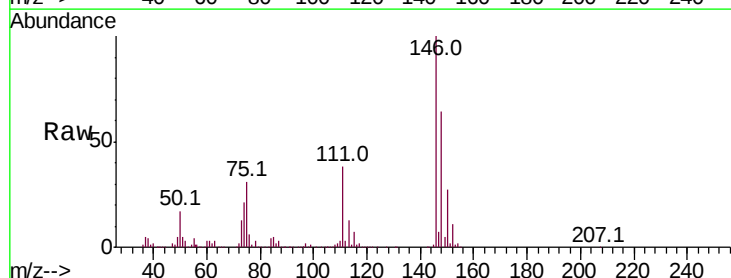
Tgt Ion:146 Resp: 460570

Ion Ratio Lower Upper

146 100

111 39.4 20.2 60.5

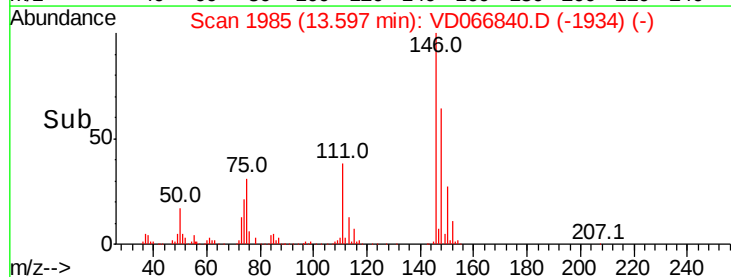
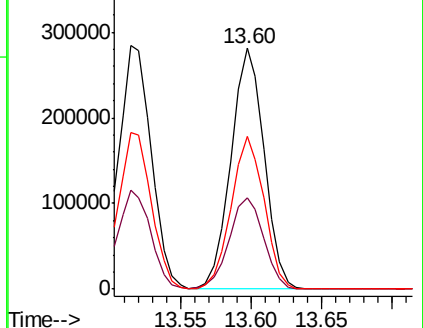
148 63.0 31.6 94.7

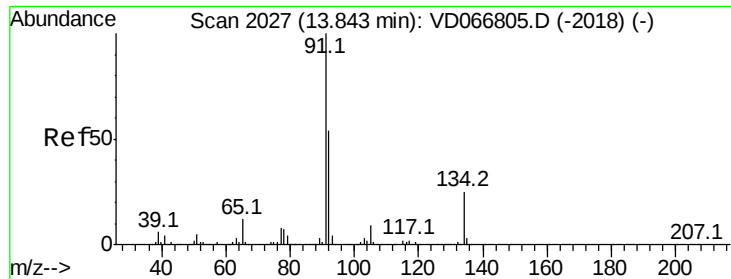


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

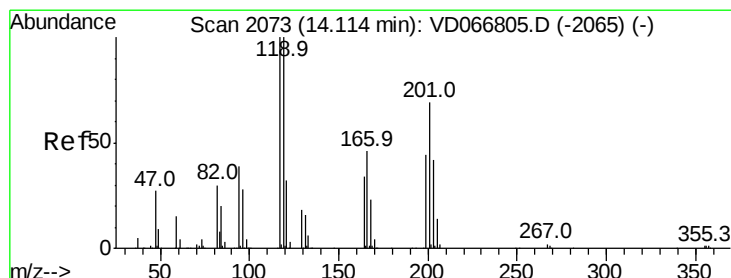
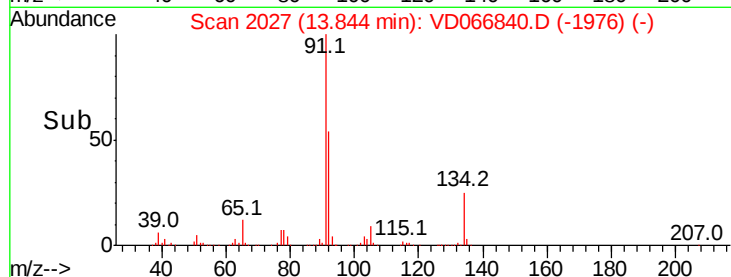
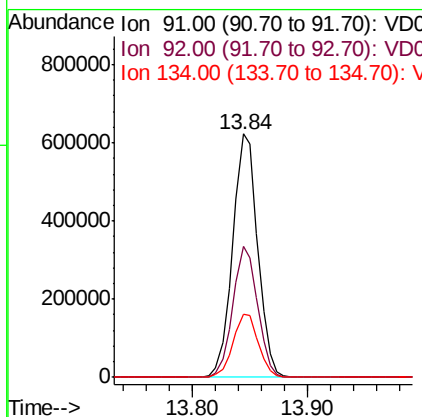
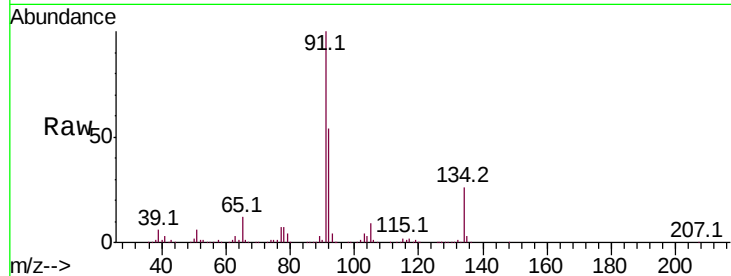




#89
n-Butylbenzene
Concen: 53.252 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

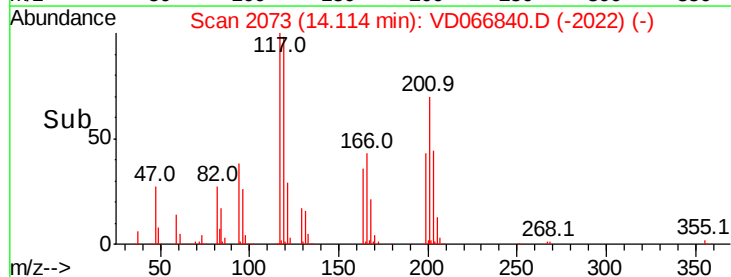
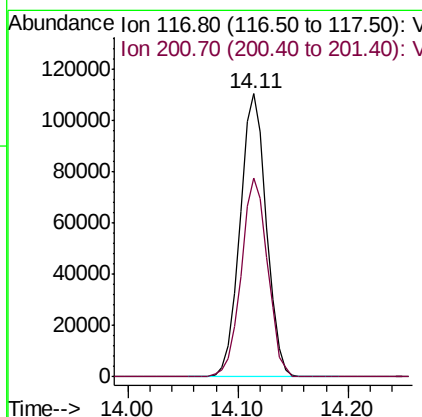
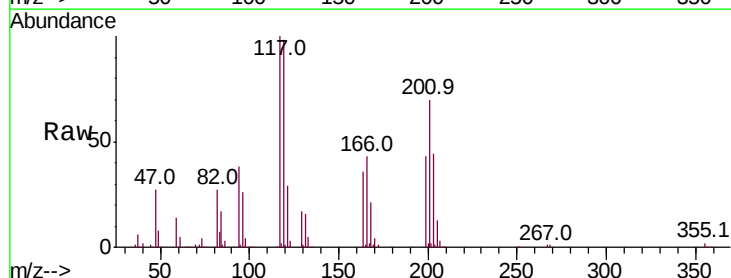
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

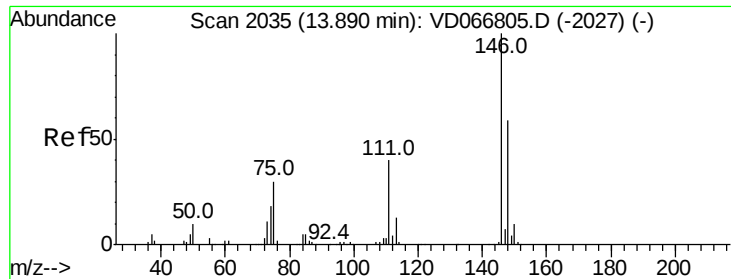
Tot Ion: 91 Resp: 932664
Ion Ratio Lower Upper
91 100
92 53.1 26.7 80.0
134 26.0 13.1 39.1



#90
Hexachloroethane
Concen: 49.373 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion: 117 Resp: 184702
Ion Ratio Lower Upper
117 100
201 70.3 33.7 101.0

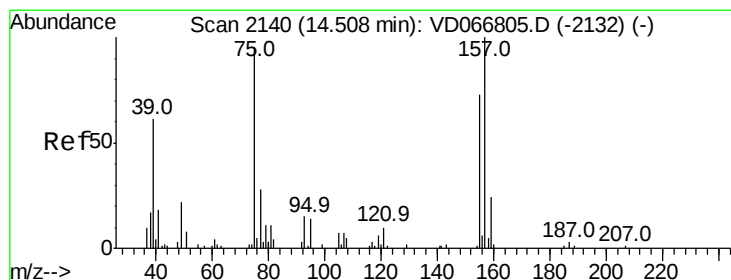
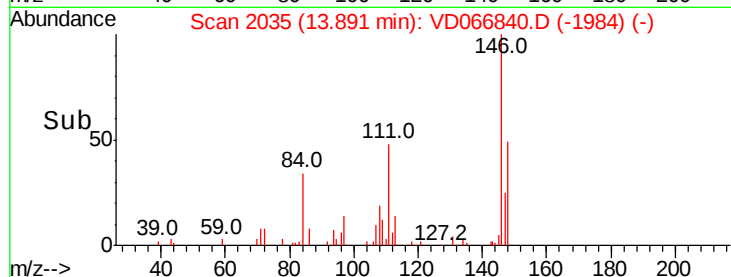
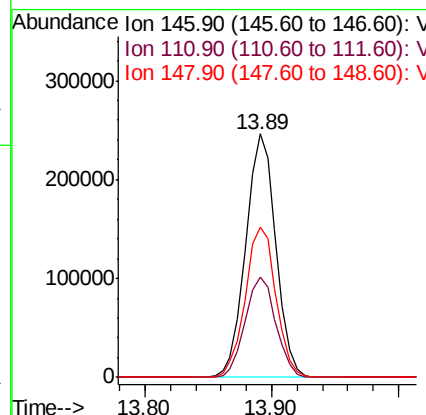
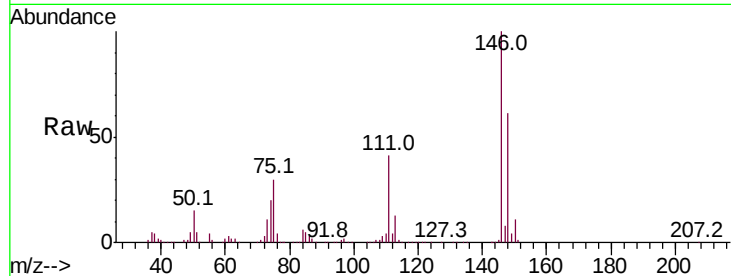




#91
 1,2-Dichlorobenzene
 Concen: 50.218 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

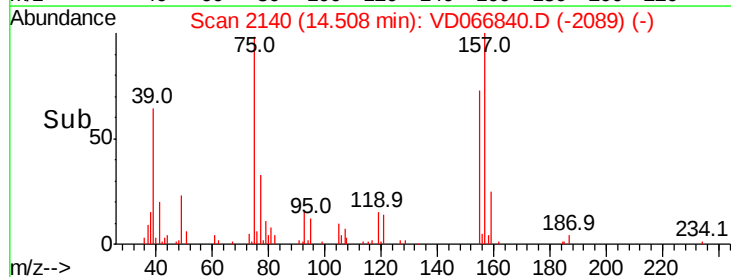
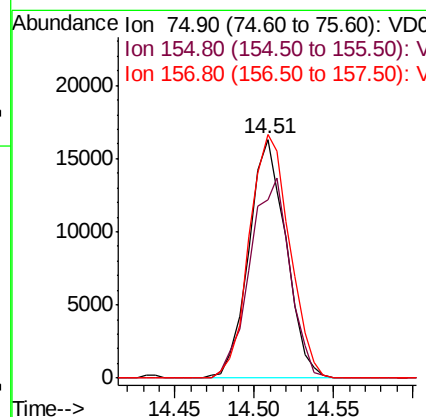
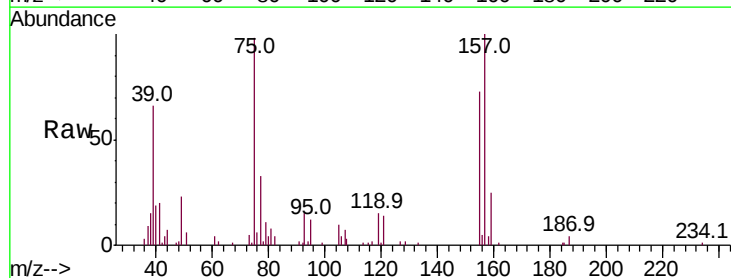
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

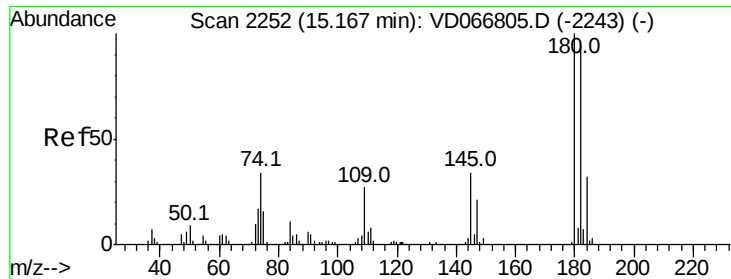
Tot Ion:146 Resp: 404743
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.7
 148 63.0 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.000 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion: 75 Resp: 26599
 Ion Ratio Lower Upper
 75 100
 155 89.9 40.4 121.2
 157 110.4 51.3 153.9

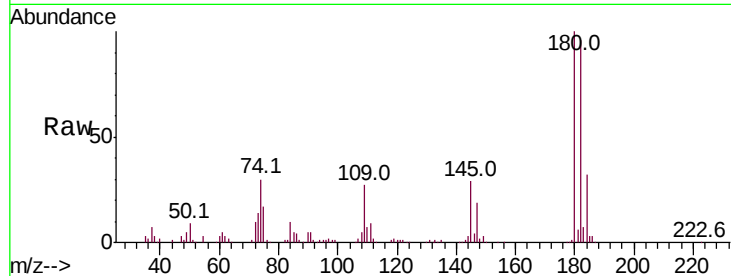




#93
 1,2,4-Trichlorobenzene
 Concen: 52.118 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.8	146.3
145	31.6	16.7	50.0

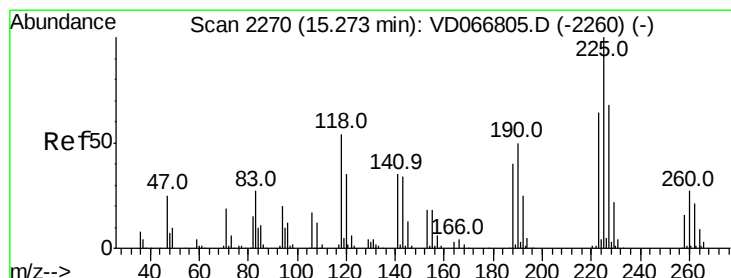
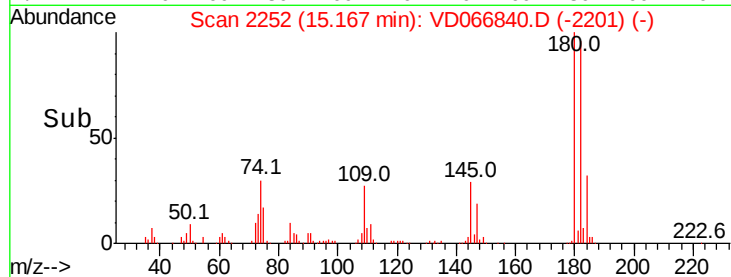
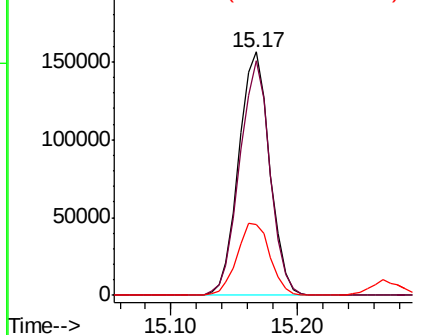


Abundance

Ion 179.80 (179.50 to 180.50): V

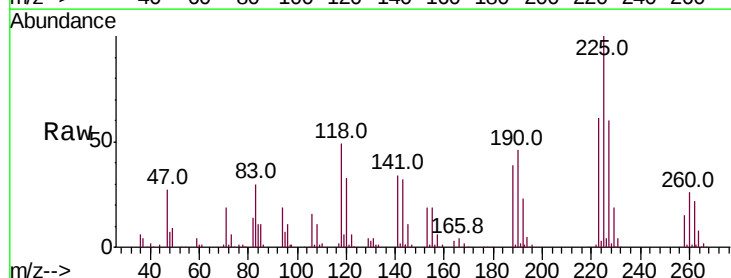
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.500 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066840.D
 Acq: 24 Sep 2020 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.1	93.3
227	63.3	31.7	95.1

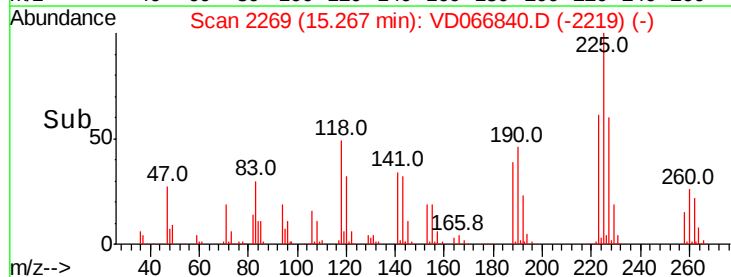
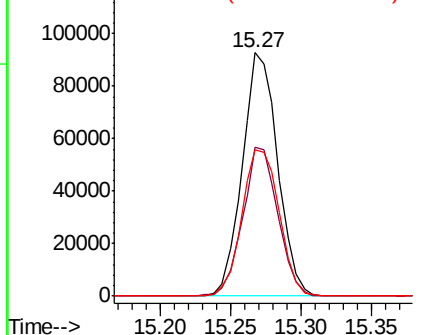


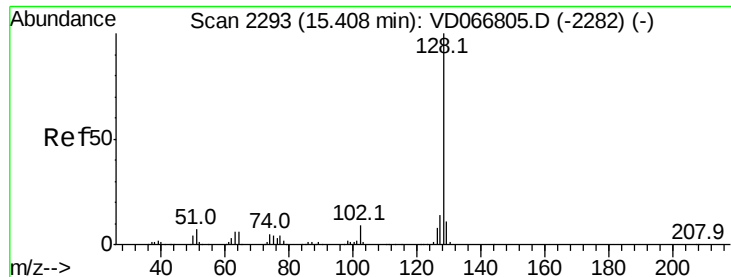
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

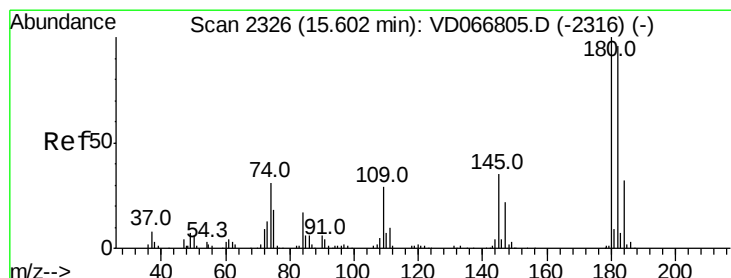
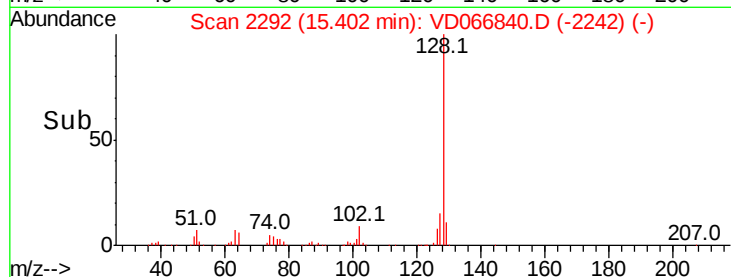
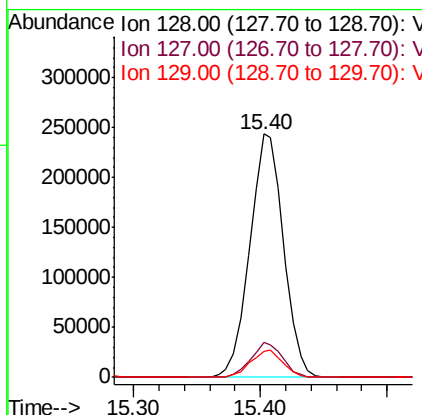
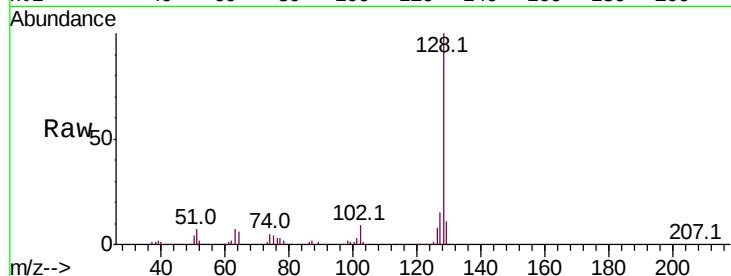




#95
Naphthalene
Concen: 52.201 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 449660
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.436 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066840.D
Acq: 24 Sep 2020 10:04

Tgt Ion:180 Resp: 225247
Ion Ratio Lower Upper
180 100
182 95.5 46.8 140.3
145 32.9 17.0 51.0

