

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065898.D
 Acq On : 29 Jun 2020 20:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 30 05:21:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	145048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	241644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	224644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	78000	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.92	113	71208	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.34	98	268612	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.64	95	89290	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	63217	45.580	ug/l	99
3) Chloromethane	2.20	50	94170	48.855	ug/l	100
4) Vinyl Chloride	2.35	62	98688	46.155	ug/l	100
5) Bromomethane	2.77	94	66326	47.427	ug/l	97
6) Chloroethane	2.93	64	64120	47.555	ug/l	94
7) Trichlorofluoromethane	3.27	101	130555	48.438	ug/l	93
8) Diethyl Ether	3.71	74	35458	50.040	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	72205	47.539	ug/l	98
10) Methyl Iodide	4.30	142	73846	46.781	ug/l	99
11) Tert butyl alcohol	5.21	59	20438	272.087	ug/l	95
12) 1,1-Dichloroethene	4.07	96	69732	49.255	ug/l	95
13) Acrolein	3.91	56	24904	227.402	ug/l	94
14) Allyl chloride	4.71	41	113807	50.962	ug/l	99
15) Acrylonitrile	5.43	53	80040	265.723	ug/l	98
16) Acetone	4.16	43	61847	209.478	ug/l #	88
17) Carbon Disulfide	4.41	76	227697	47.605	ug/l	98
18) Methyl Acetate	4.71	43	34057	52.022	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	169827	54.705	ug/l	98
20) Methylene Chloride	4.96	84	85387	56.106	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	79546	49.068	ug/l	92
22) Diisopropyl ether	6.36	45	243292	52.236	ug/l	99
23) Vinyl Acetate	6.30	43	719271	267.199	ug/l	100
24) 1,1-Dichloroethane	6.26	63	138911	49.993	ug/l	100
25) 2-Butanone	7.21	43	97588	247.682	ug/l	97
26) 2,2-Dichloropropane	7.21	77	123936	48.604	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	90071	50.214	ug/l	99
28) Bromochloromethane	7.54	49	55487	53.140	ug/l	97
29) Tetrahydrofuran	7.56	42	68004	271.712	ug/l	95
30) Chloroform	7.71	83	154699	51.999	ug/l	99
31) Cyclohexane	7.99	56	127127	47.095	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	136536	50.014	ug/l	98
36) 1,1-Dichloropropene	8.11	75	117651	49.930	ug/l	99
37) Ethyl Acetate	7.29	43	49907	55.391	ug/l #	97
38) Carbon Tetrachloride	8.10	117	125140	49.181	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	134921	48.191	ug/l	96
40) Benzene	8.35	78	317288	48.535	ug/l	99
41) Methacrylonitrile	7.53	41	24134	48.824	ug/l #	67
42) 1,2-Dichloroethane	8.43	62	99034	51.352	ug/l	99
43) Isopropyl Acetate	8.45	43	91763	52.561	ug/l	97
44) Trichloroethene	9.11	130	85571	48.319	ug/l	97
45) 1,2-Dichloropropane	9.39	63	80196	51.212	ug/l	96
46) Dibromomethane	9.48	93	43098	49.649	ug/l	98
47) Bromodichloromethane	9.66	83	119571	51.838	ug/l	98
48) Methyl methacrylate	9.46	41	48515	56.692	ug/l	88
49) 1,4-Dioxane	9.46	88	9884	1113.112	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	236398	262.686	ug/l	99
52) Toluene	10.40	92	209875	49.380	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	110270	50.081	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	129078	49.927	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	59366	51.606	ug/l	93
56) Ethyl methacrylate	10.66	69	72866	51.012	ug/l	94
57) 1,3-Dichloropropane	10.95	76	103079	51.083	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	165078	263.662	ug/l	100
59) 2-Hexanone	10.99	43	160984	255.205	ug/l	100
60) Dibromochloromethane	11.14	129	79718	50.734	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57253	50.851	ug/l	98
64) Tetrachloroethene	10.88	164	69454	47.347	ug/l	95
65) Chlorobenzene	11.67	112	212920	47.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	79403	47.834	ug/l	98
67) Ethyl Benzene	11.75	91	397701	48.056	ug/l	96
68) m/p-Xylenes	11.86	106	304324	96.583	ug/l	98
69) o-Xylene	12.18	106	140593	49.653	ug/l	97
70) Styrene	12.20	104	247144	49.917	ug/l	98
71) Bromoform	12.36	173	43172	48.974	ug/l #	99
73) Isopropylbenzene	12.48	105	380495	50.212	ug/l	99
74) N-amyl acetate	12.29	43	89255	53.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	65643	52.625	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	45008m	48.616	ug/l	
77) Bromobenzene	12.77	156	84013	49.311	ug/l	95
78) n-propylbenzene	12.82	91	461171	50.515	ug/l	99
79) 2-Chlorotoluene	12.91	91	254016	50.515	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	322859	50.966	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22221	51.565	ug/l	97
82) 4-Chlorotoluene	13.01	91	272195	50.653	ug/l	99
83) tert-Butylbenzene	13.23	119	263137	49.359	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	321126	51.460	ug/l	98
85) sec-Butylbenzene	13.41	105	381006	50.151	ug/l	100
86) p-Isopropyltoluene	13.52	119	352707	51.113	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	168559	50.922	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164691	49.453	ug/l	99
89) n-Butylbenzene	13.85	91	341818	50.799	ug/l	99
90) Hexachloroethane	14.11	117	71622	50.860	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	145164	50.058	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10599	54.854	ug/l	98

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Quant Title : SW846 8260
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Response via : Initial Calibration

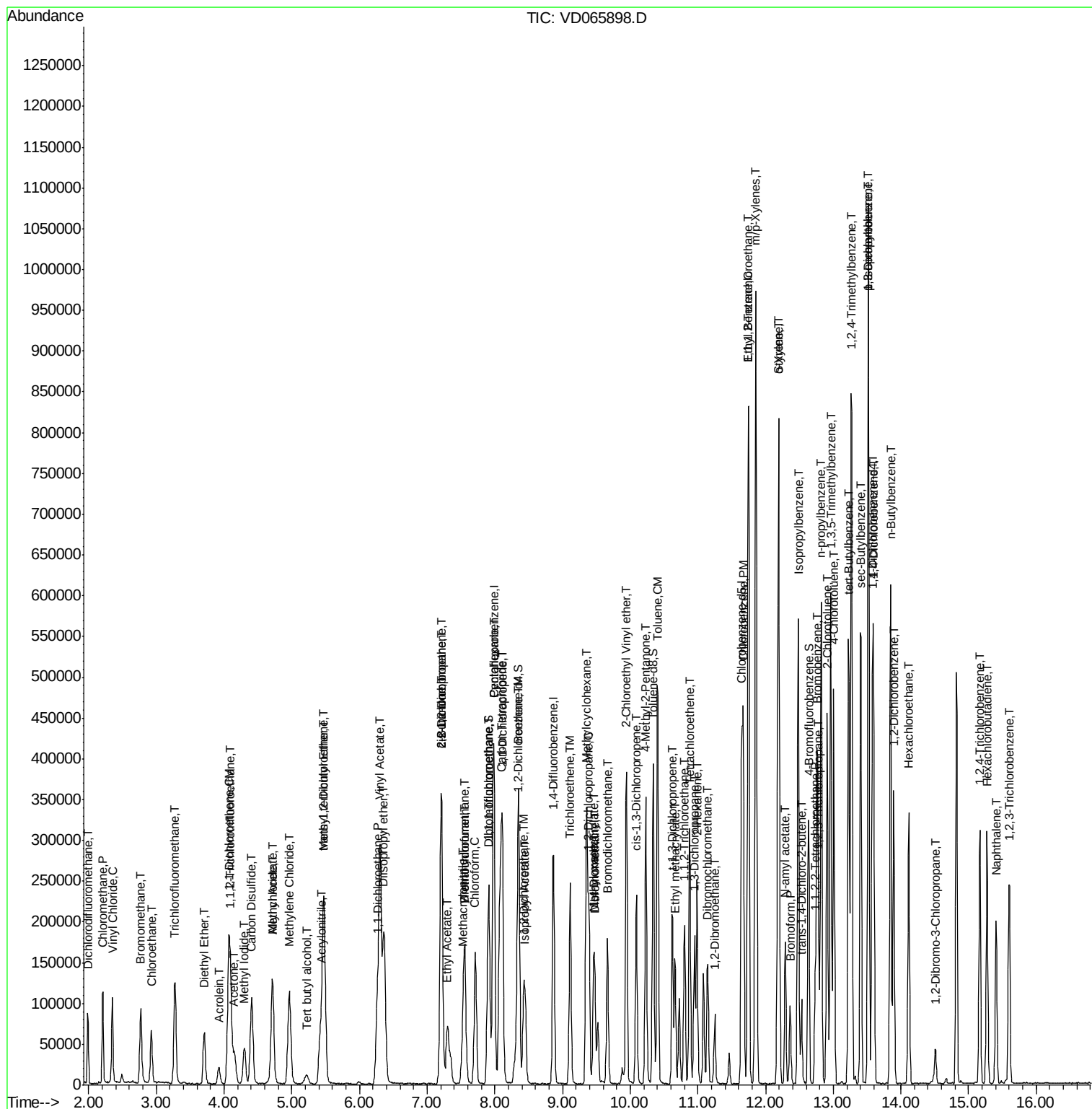
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95387	51.886	ug/l	99
94) Hexachlorobutadiene	15.27	225	51853	49.451	ug/l	96
95) Naphthalene	15.41	128	175817	53.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	83088	54.162	ug/l	96

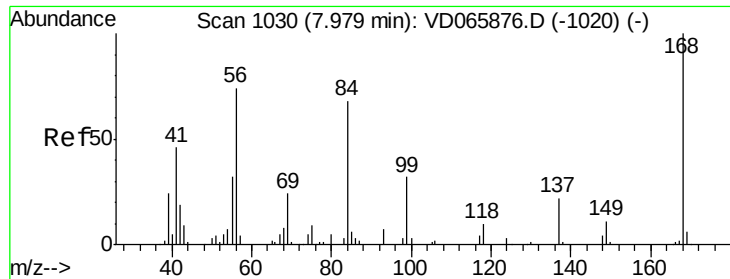
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

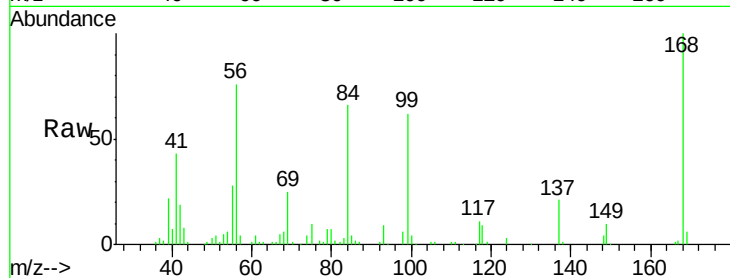
VSTDCCC050EC

Tot Ion:168 Resp: 145048

Ion Ratio Lower Upper

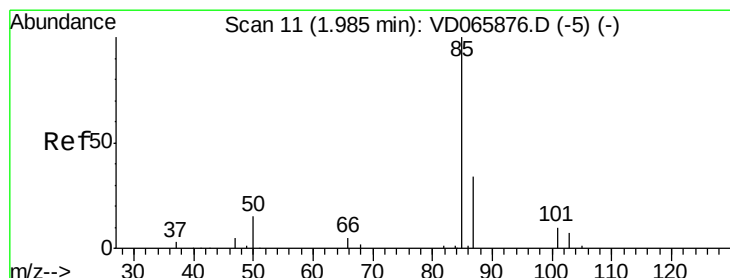
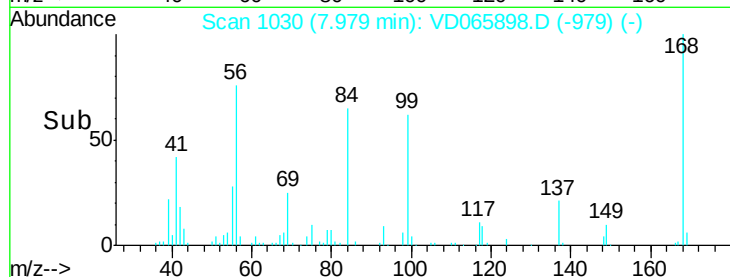
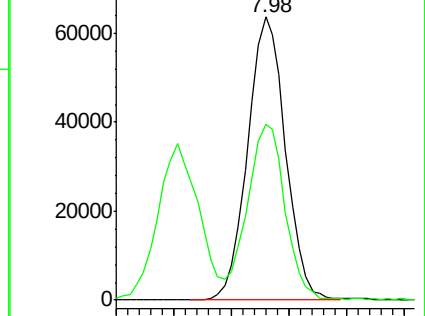
168 100

99 61.7 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.580 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065898.D

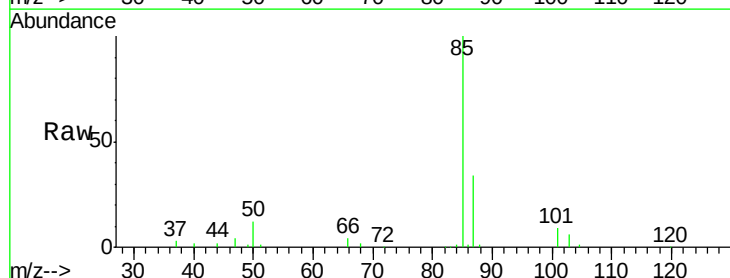
Acq: 29 Jun 2020 20:32

Tgt Ion: 85 Resp: 63217

Ion Ratio Lower Upper

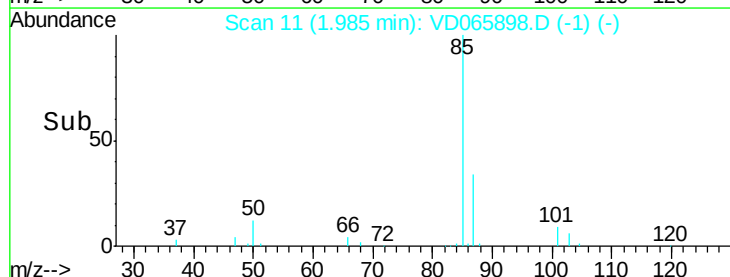
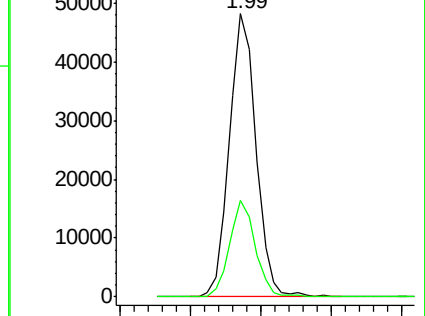
85 100

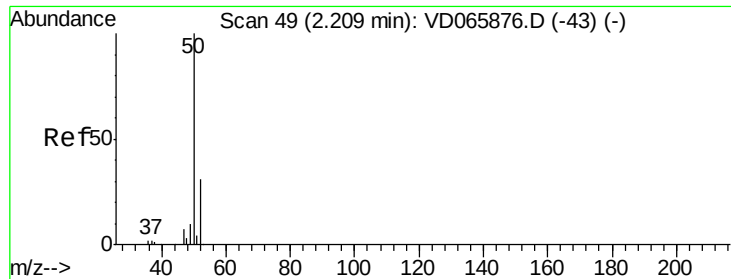
87 34.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.855 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

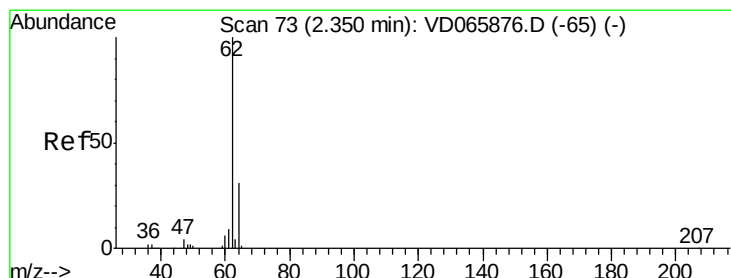
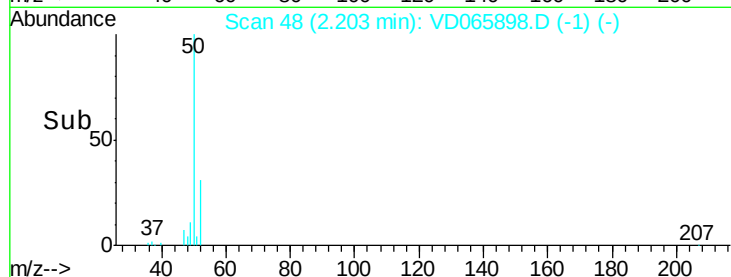
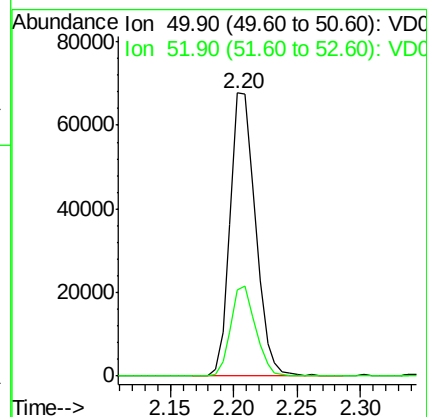
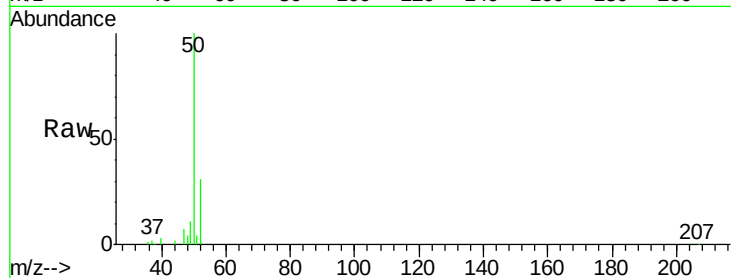
VSTDCCC050EC

Tot Ion: 50 Resp: 94170

Ion Ratio Lower Upper

50 100

52 30.7 24.7 37.1



#4

Vinyl Chloride

Concen: 46.155 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065898.D

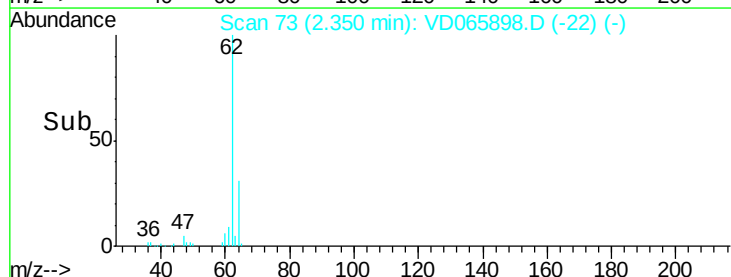
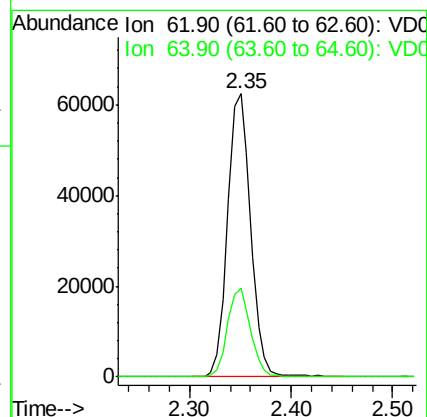
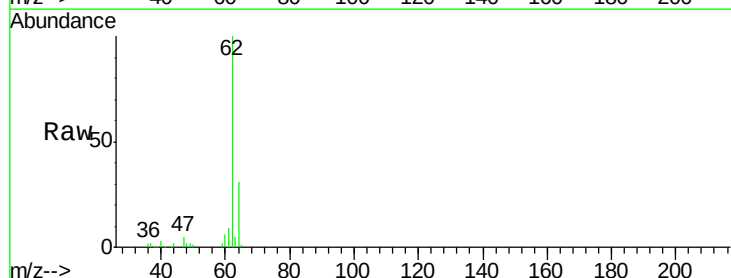
Acq: 29 Jun 2020 20:32

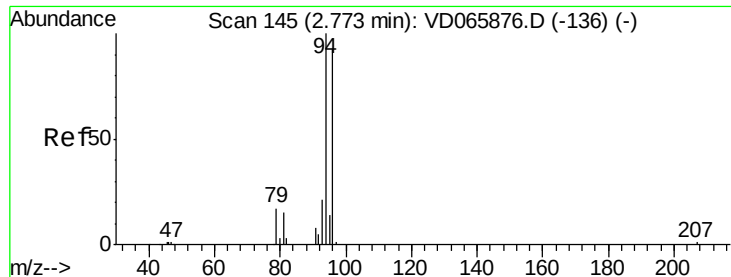
Tgt Ion: 62 Resp: 98688

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 47.427 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

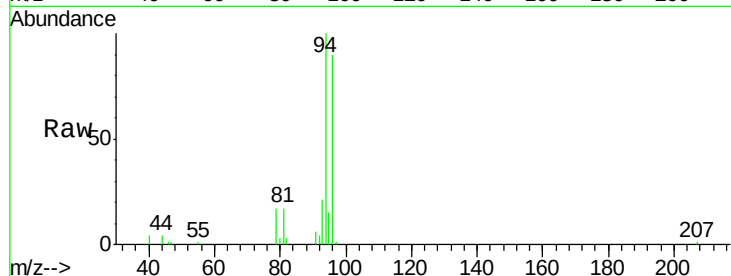
VSTDCCC050EC

Tot Ion: 94 Resp: 66326

Ion Ratio Lower Upper

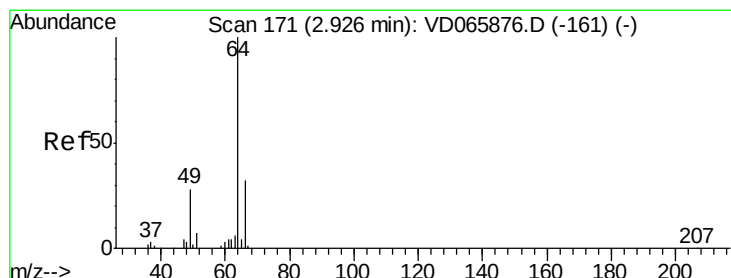
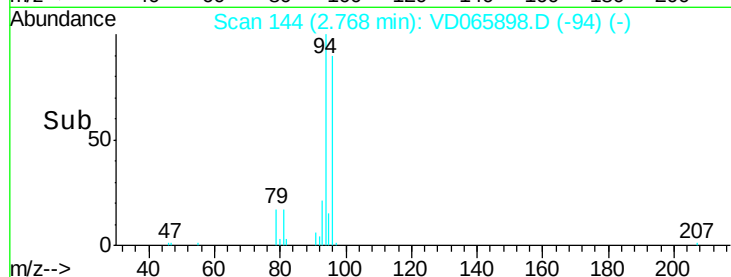
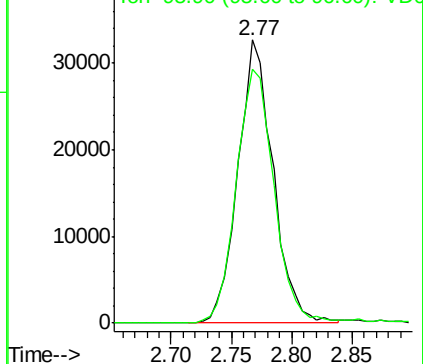
94 100

96 89.9 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.555 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065898.D

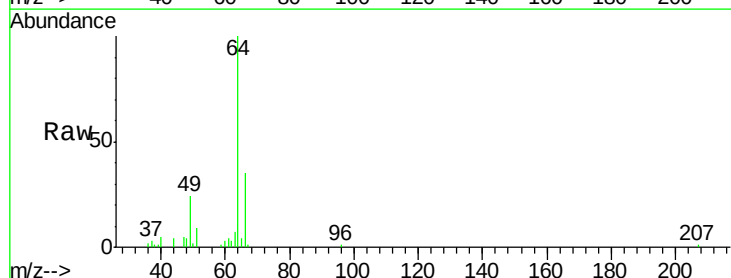
Acq: 29 Jun 2020 20:32

Tgt Ion: 64 Resp: 64120

Ion Ratio Lower Upper

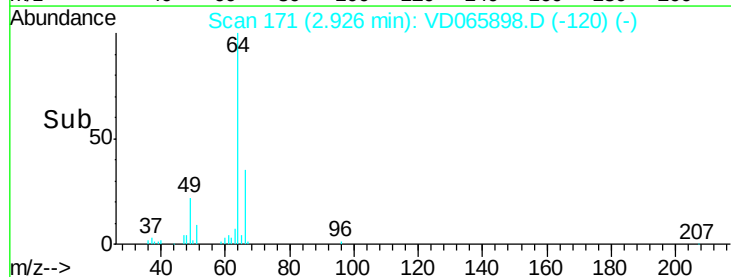
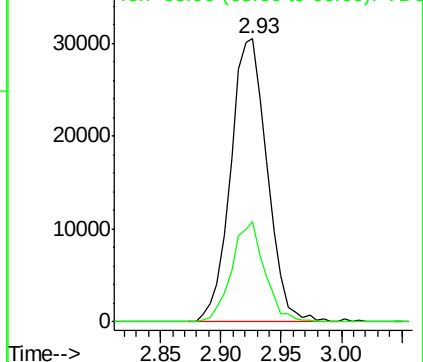
64 100

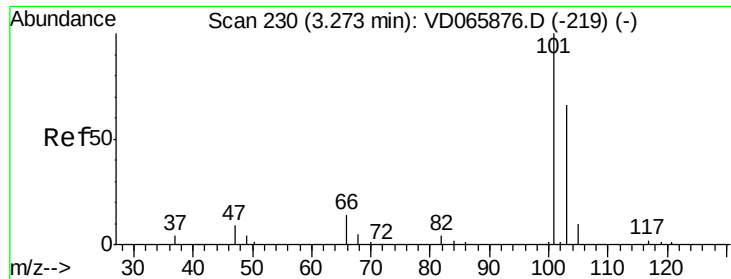
66 35.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



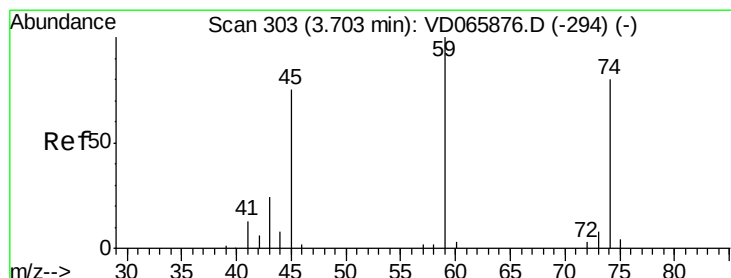
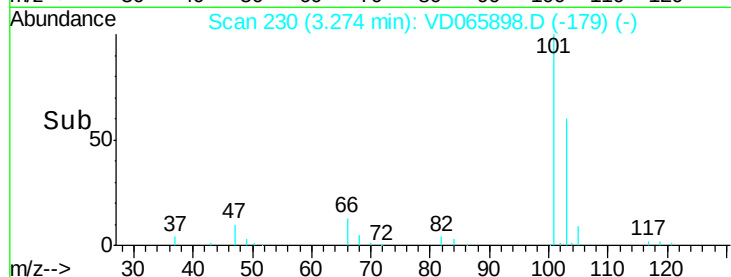
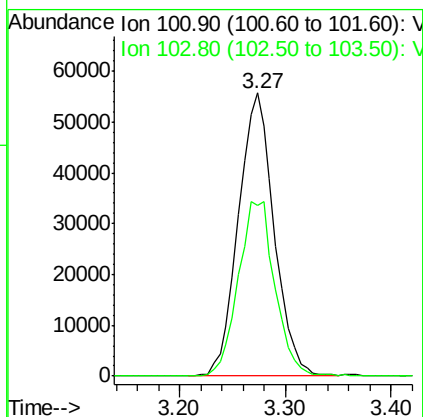
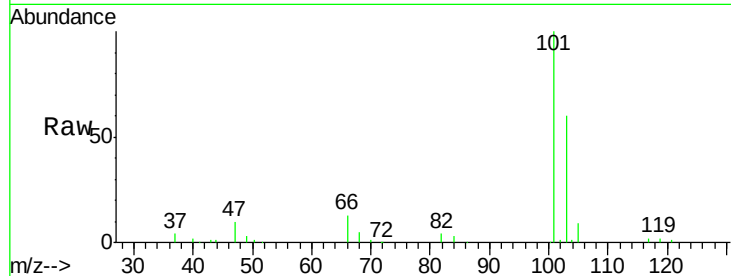


#7

Trichlorofluoromethane
 Concen: 48.438 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Instrument :
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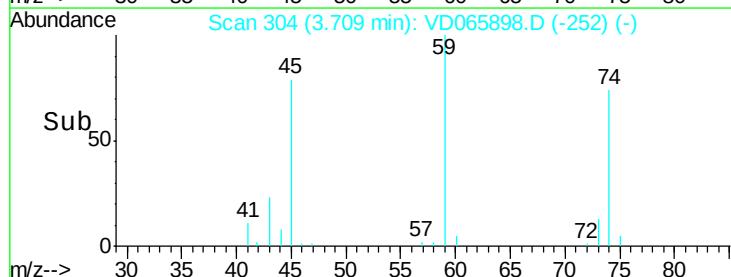
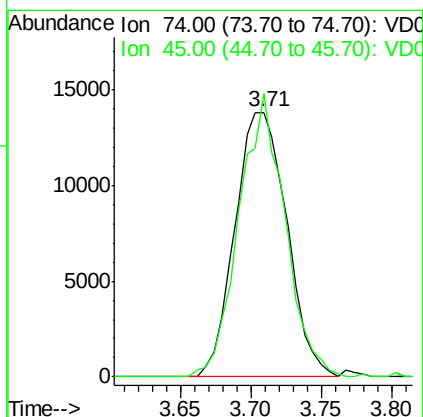
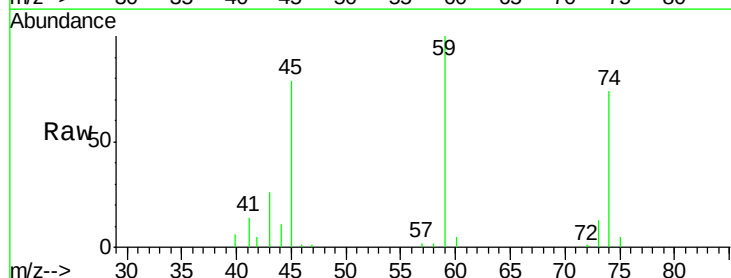
Tot Ion:101 Resp: 130555
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.9 79.3

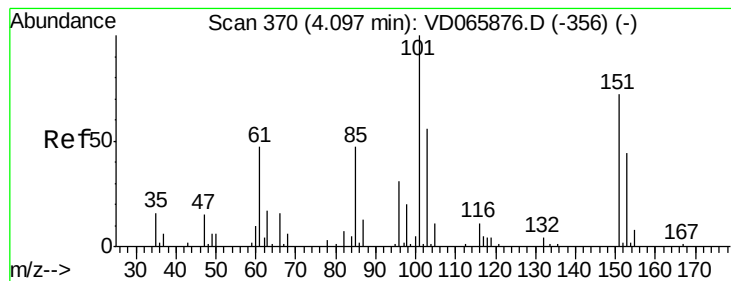


#8

Diethyl Ether
 Concen: 50.040 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion: 74 Resp: 35458
 Ion Ratio Lower Upper
 74 100
 45 95.3 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.539 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

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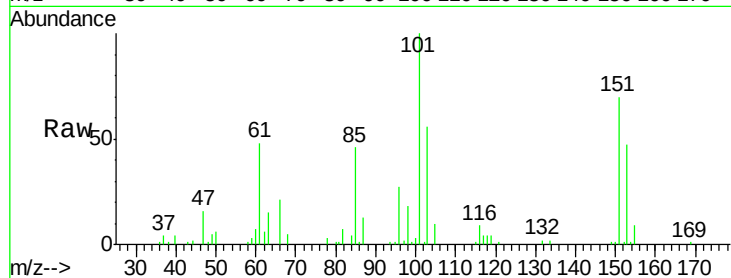
Tot Ion:101 Resp: 72205

Ion Ratio Lower Upper

101 100

85 45.6 38.6 58.0

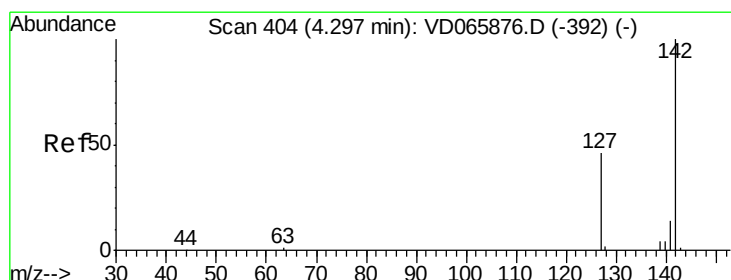
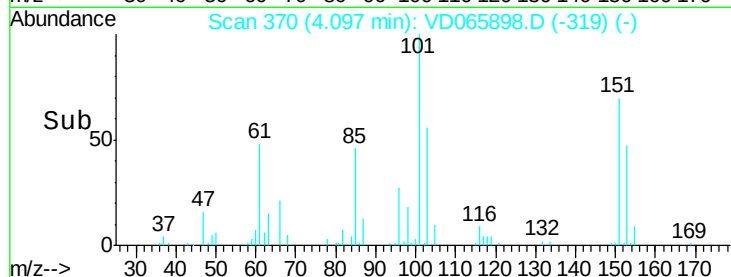
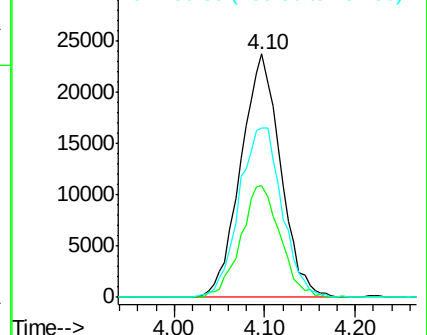
151 75.2 60.7 91.1



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: 46.781 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

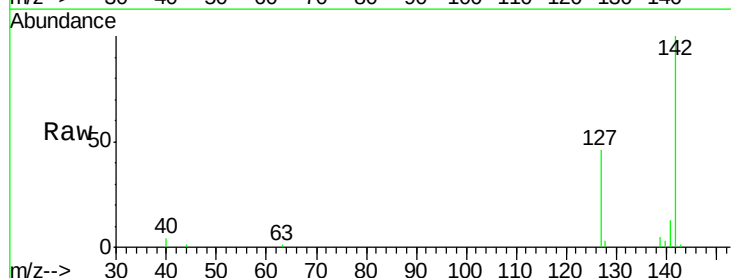
Tgt Ion:142 Resp: 73846

Ion Ratio Lower Upper

142 100

127 48.5 39.0 58.6

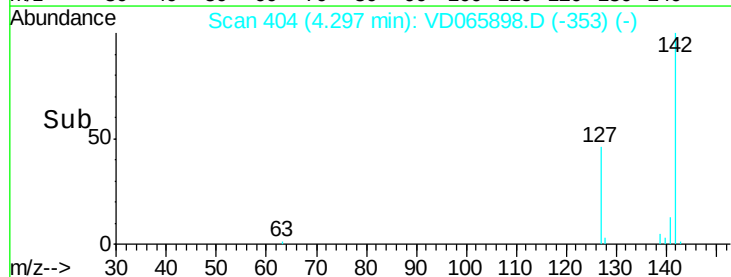
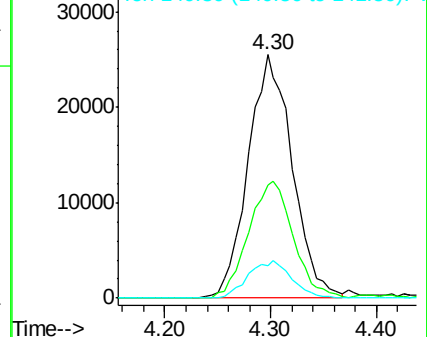
141 15.0 11.5 17.3

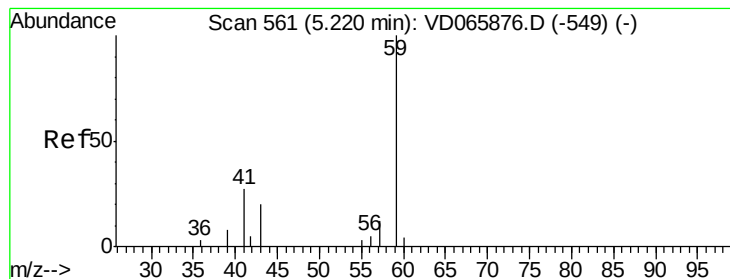


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



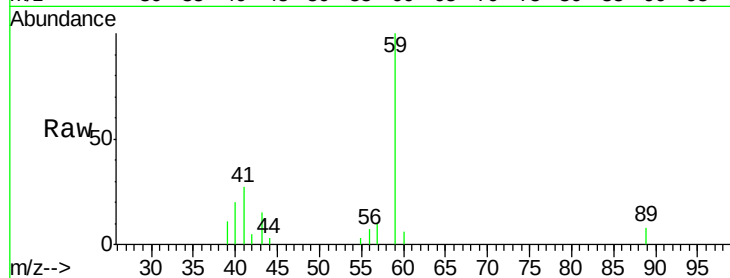


#11

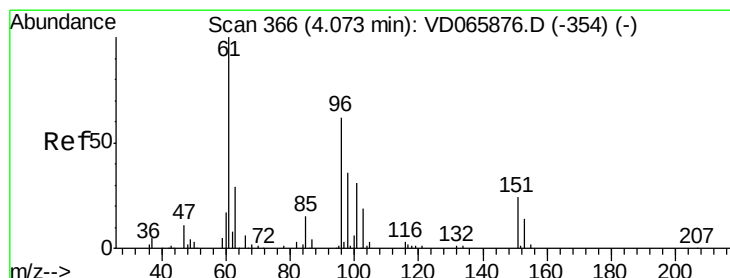
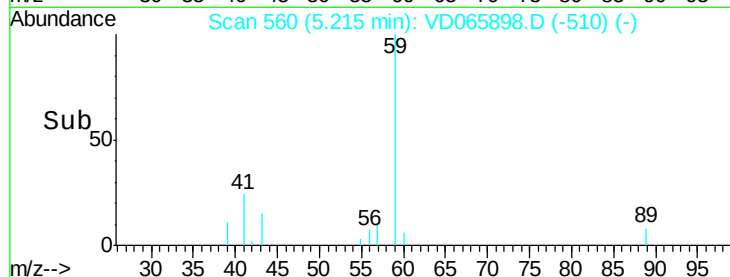
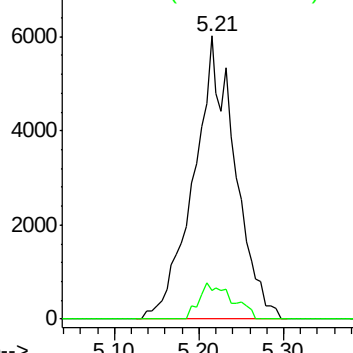
Tert butyl alcohol
 Concen: 272.087 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 20438
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.7 14.5



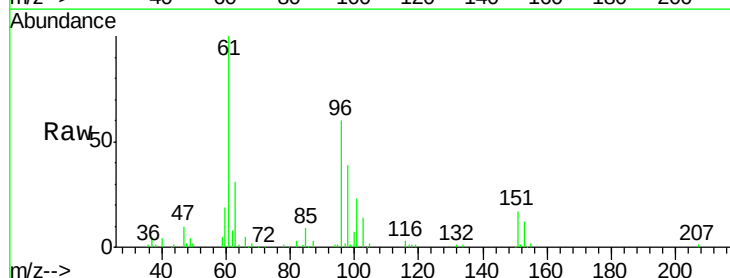
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



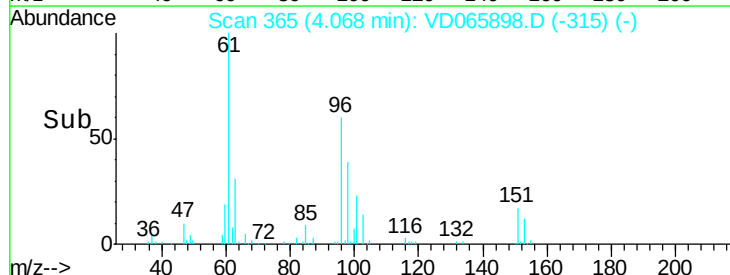
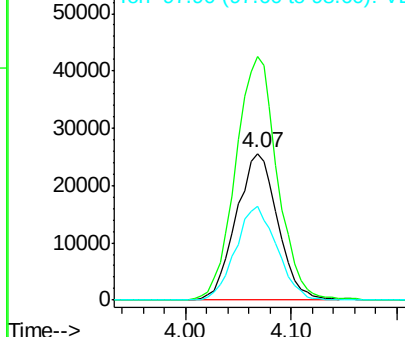
#12

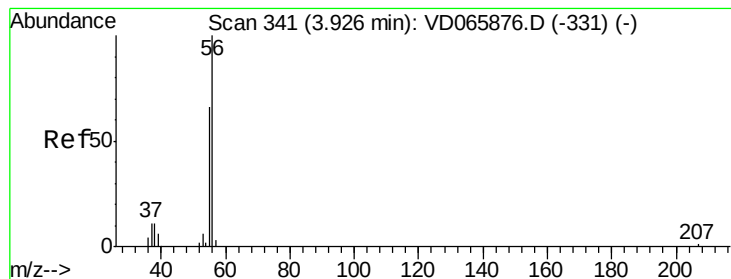
1,1-Dichloroethene
 Concen: 49.255 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion: 96 Resp: 69732
 Ion Ratio Lower Upper
 96 100
 61 166.0 128.3 192.5
 98 64.1 46.2 69.2



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





#13

Acrolein

Concen: 227.402 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

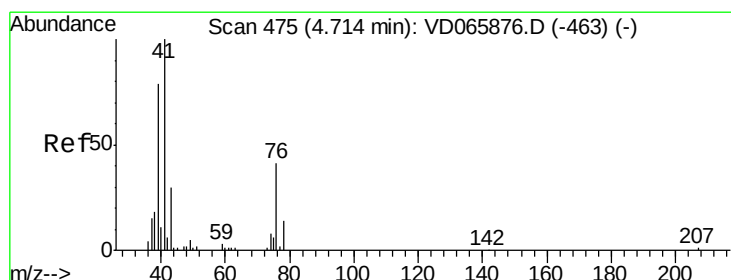
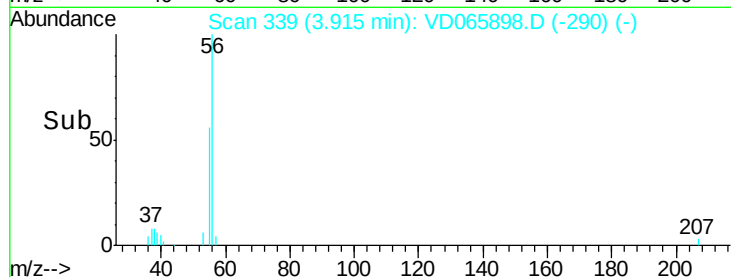
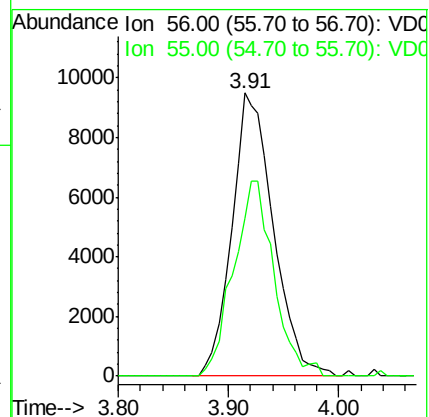
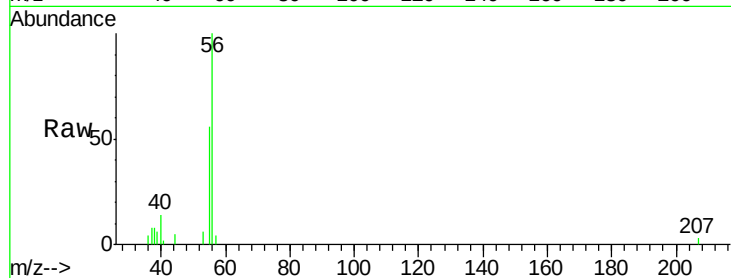
VSTDCCC050EC

Tot Ion: 56 Resp: 24904

Ion Ratio Lower Upper

56 100

55 67.4 58.1 87.1



#14

Allyl chloride

Concen: 50.962 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

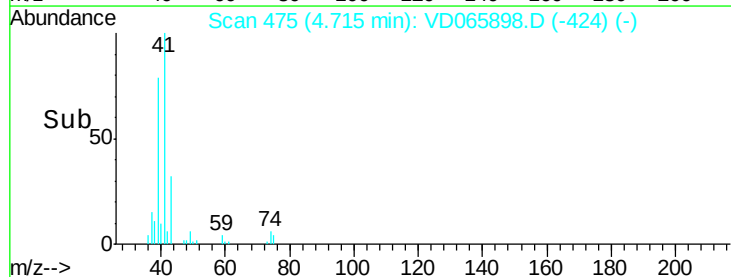
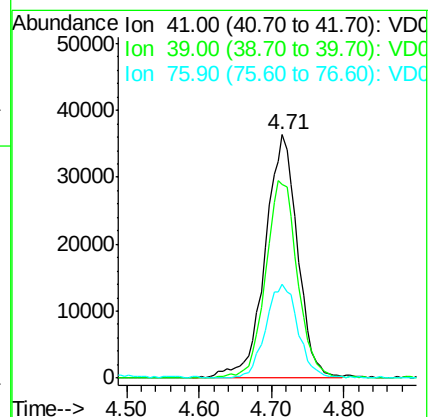
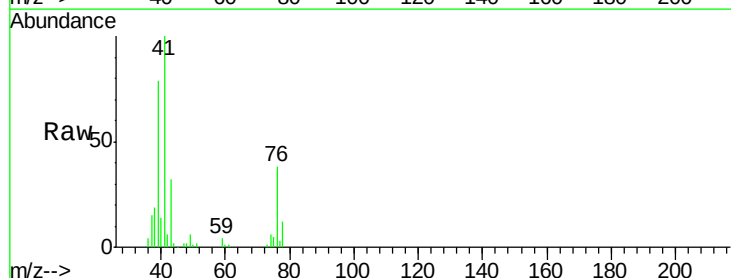
Tgt Ion: 41 Resp: 113807

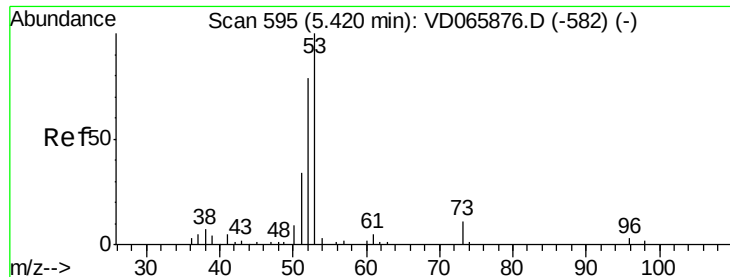
Ion Ratio Lower Upper

41 100

39 79.7 63.8 95.8

76 38.5 32.2 48.4





#15

Acrylonitrile

Concen: 265.723 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

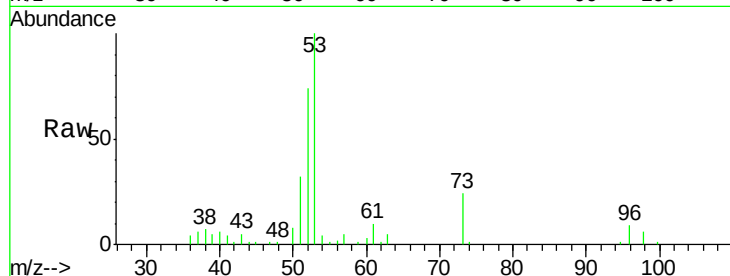
Tot Ion: 53 Resp: 80040

Ion Ratio Lower Upper

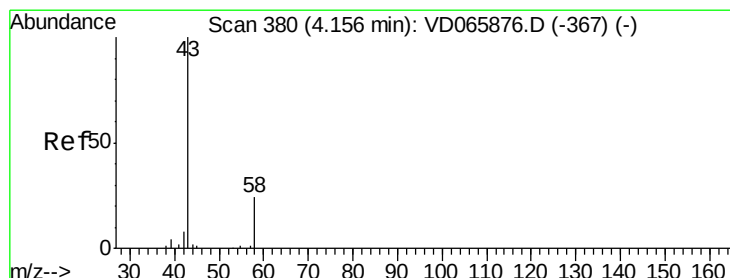
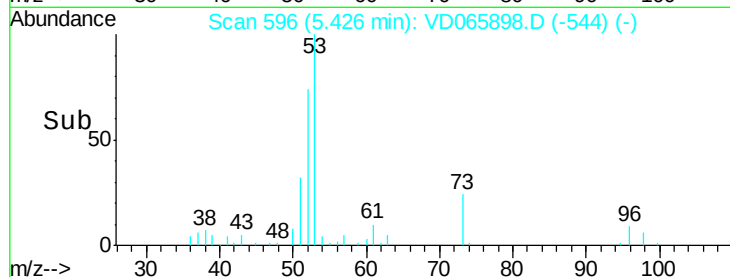
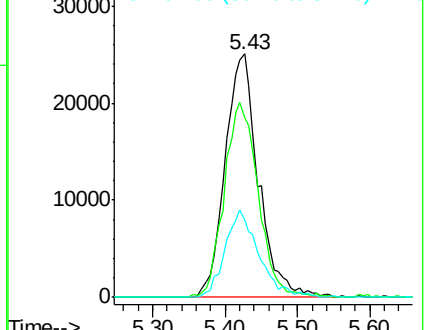
53 100

52 81.2 66.3 99.5

51 36.5 29.9 44.9



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: 209.478 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065898.D

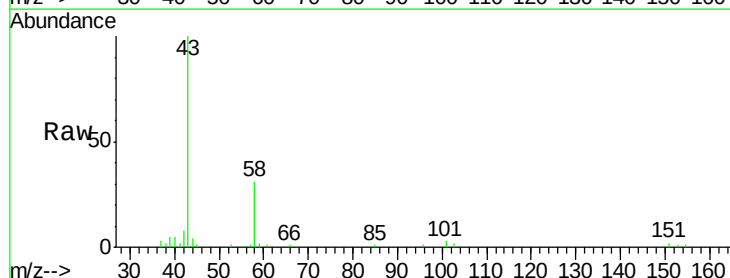
Acq: 29 Jun 2020 20:32

Tgt Ion: 43 Resp: 61847

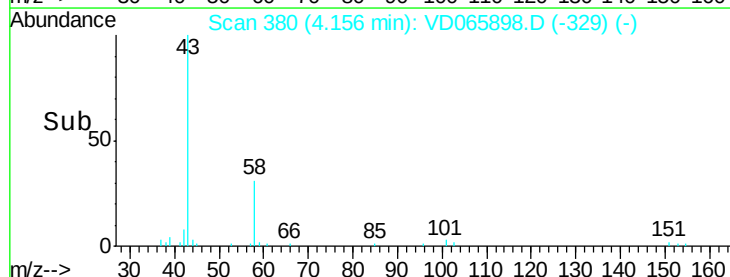
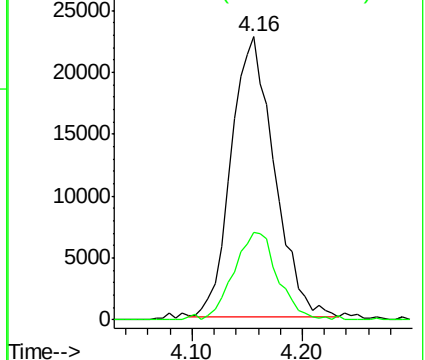
Ion Ratio Lower Upper

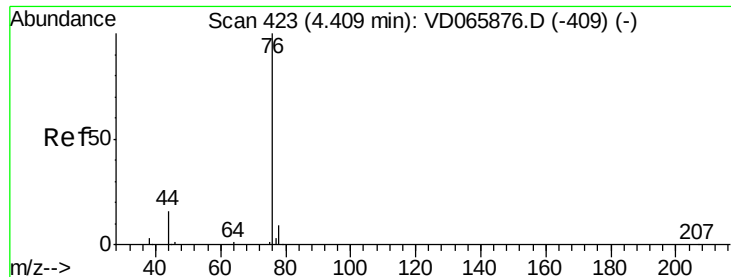
43 100

58 30.3 19.5 29.3#



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





#17

Carbon Disulfide

Concen: 47.605 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

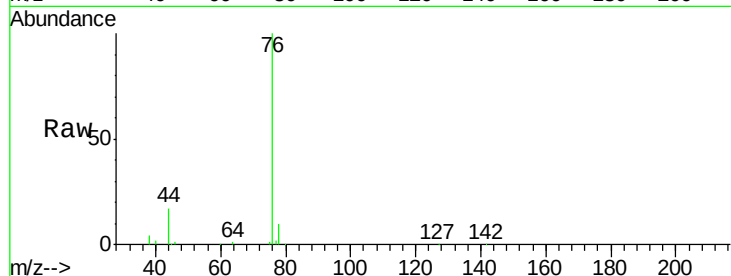
VSTDCCC050EC

Tot Ion: 76 Resp: 227697

Ion Ratio Lower Upper

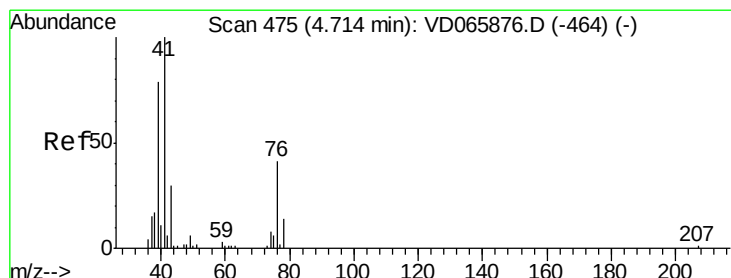
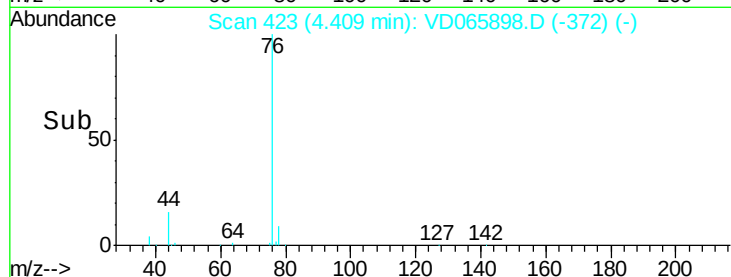
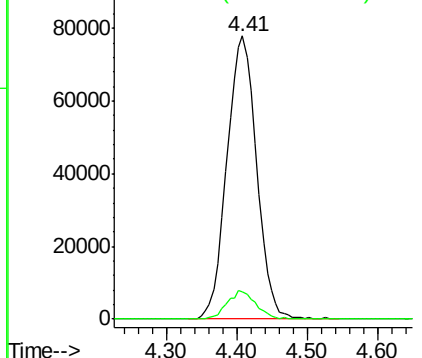
76 100

78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 52.022 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065898.D

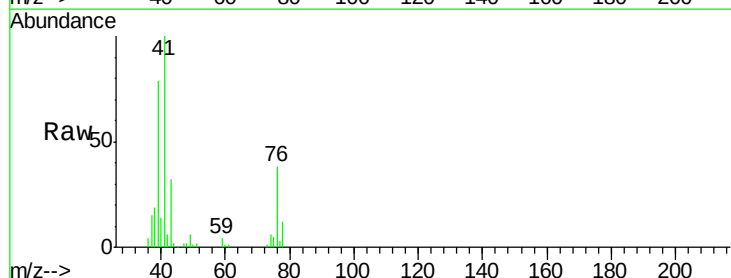
Acq: 29 Jun 2020 20:32

Tgt Ion: 43 Resp: 34057

Ion Ratio Lower Upper

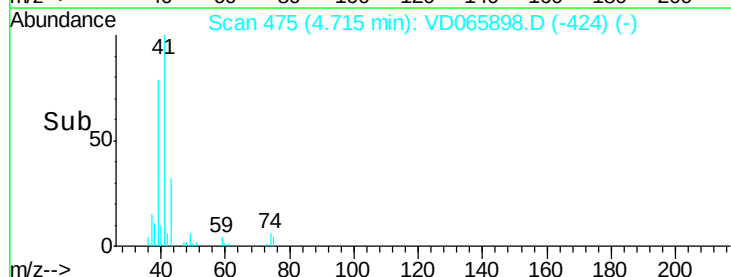
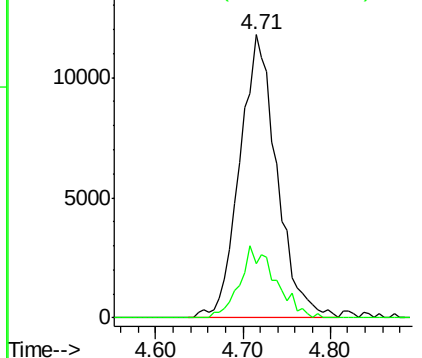
43 100

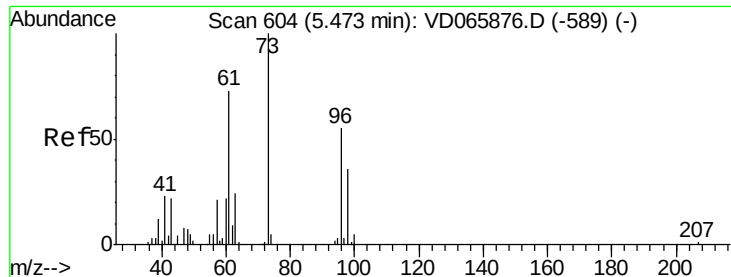
74 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

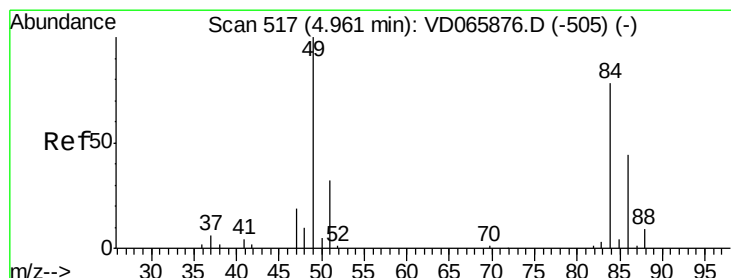
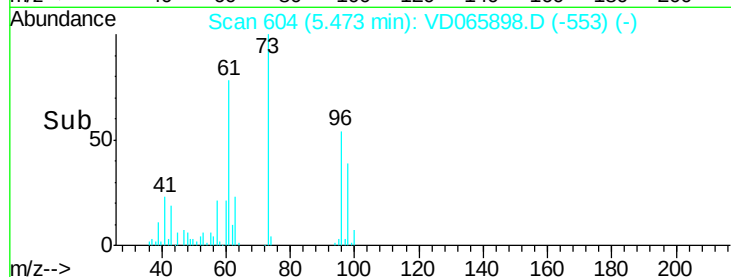
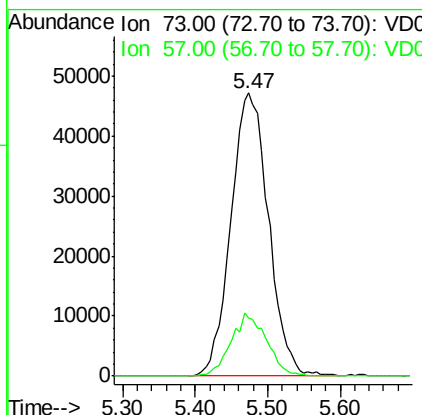
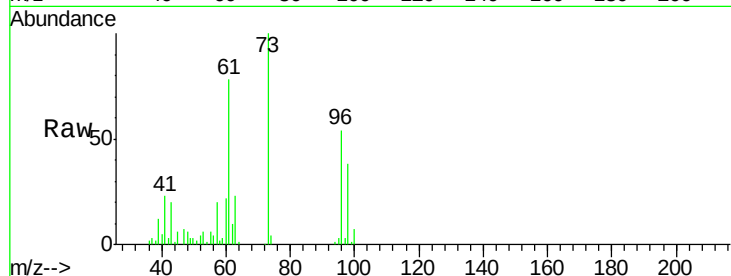




#19
Methyl tert-butyl Ether
Concen: 54.705 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

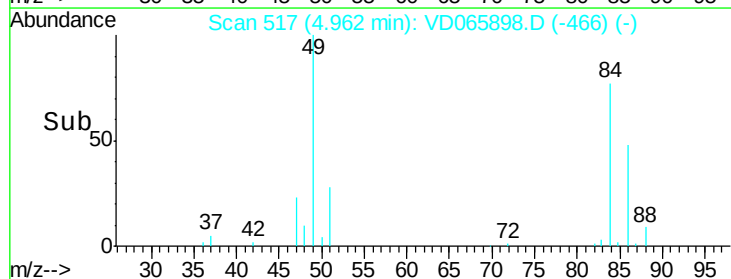
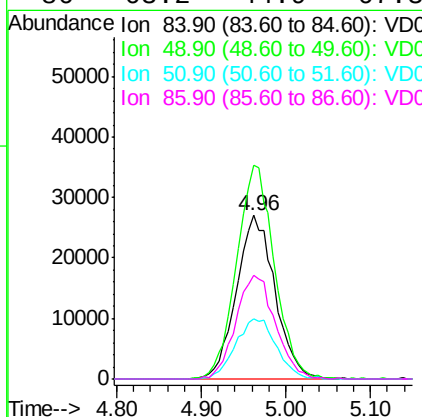
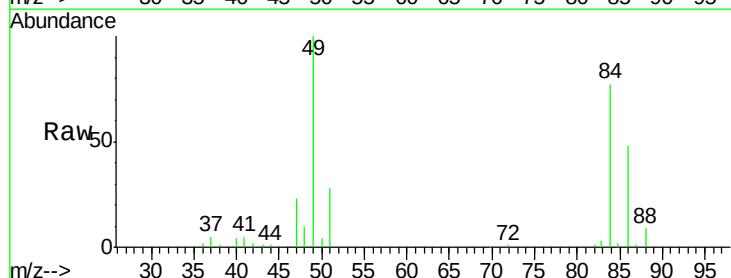
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

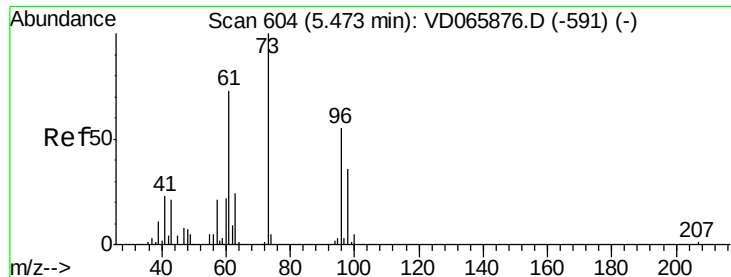
Tot Ion: 73 Resp: 169827
Ion Ratio Lower Upper
73 100
57 20.5 17.0 25.4



#20
Methylene Chloride
Concen: 56.106 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 84 Resp: 85387
Ion Ratio Lower Upper
84 100
49 130.7 103.0 154.6
51 36.6 32.7 49.1
86 63.2 44.9 67.3





#21

trans-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

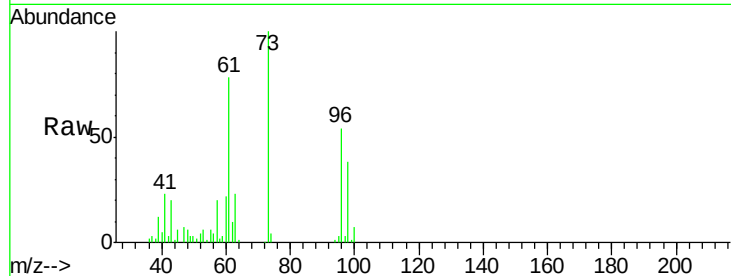
Tot Ion: 96 Resp: 79546

Ion Ratio Lower Upper

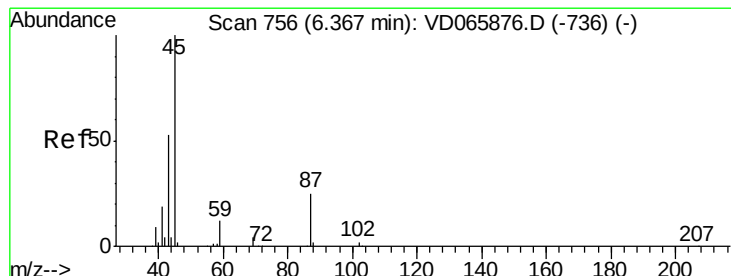
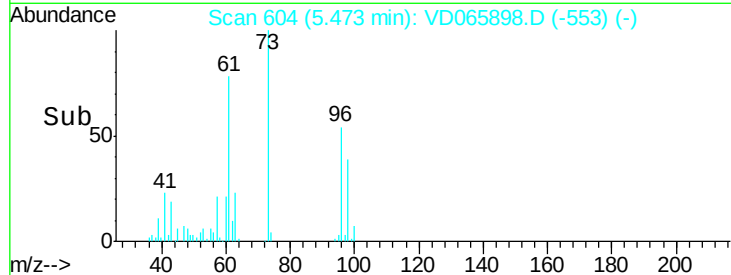
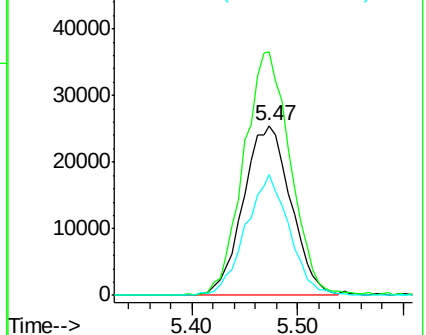
96 100

61 142.6 107.0 160.4

98 71.1 52.2 78.2



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



#22

Diisopropyl ether

Concen: 52.236 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Tgt Ion: 45 Resp: 243292

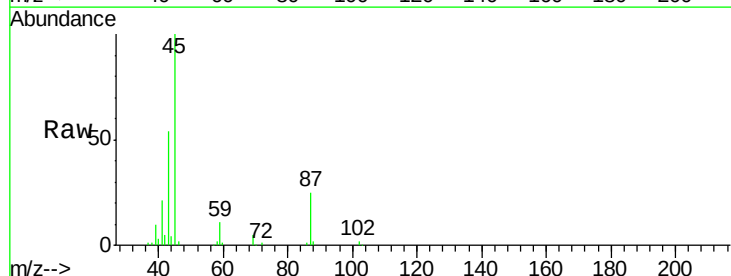
Ion Ratio Lower Upper

45 100

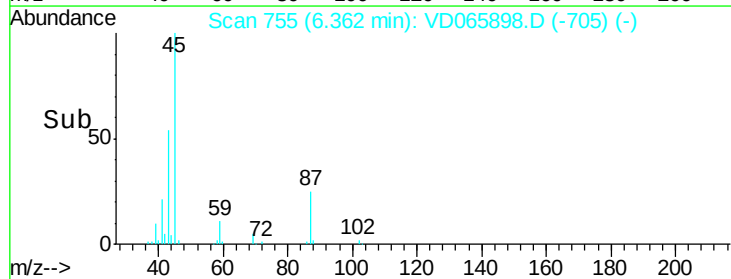
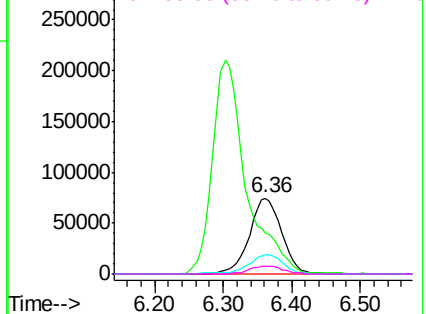
43 53.5 43.4 65.0

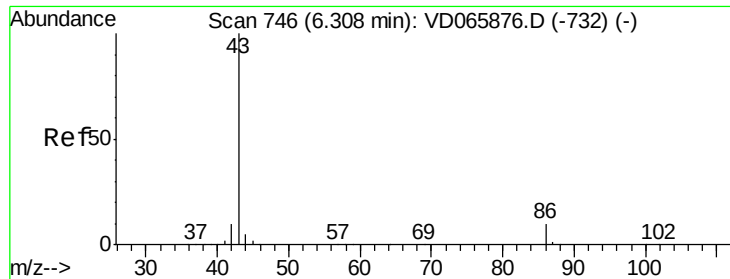
87 25.1 19.8 29.8

59 10.6 9.9 14.9



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: 267.199 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

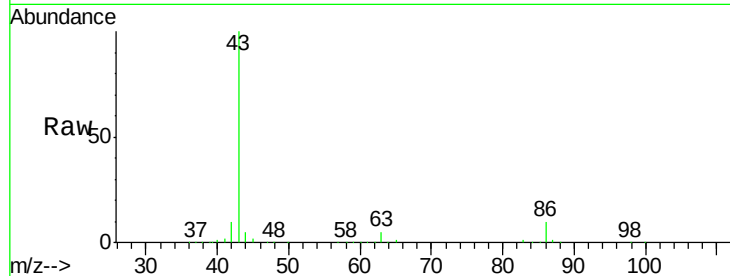
VSTDCCC050EC

Tot Ion: 43 Resp: 719271

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

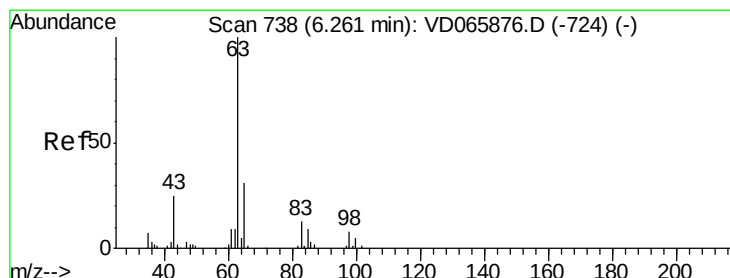
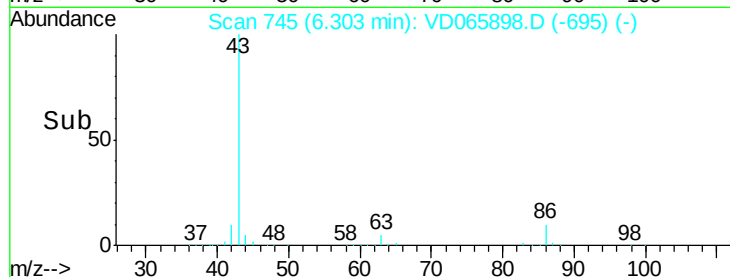
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 49.993 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

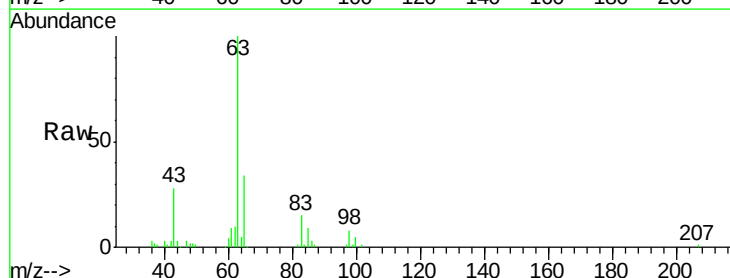
Tgt Ion: 63 Resp: 138911

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

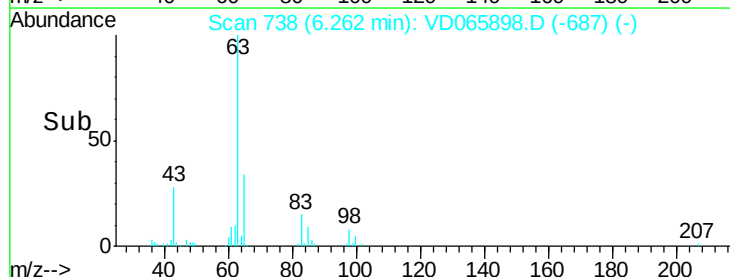
30000

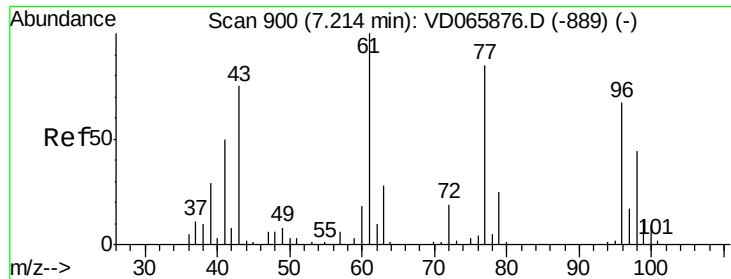
20000

10000

0

Time--> 6.10 6.20 6.30 6.40

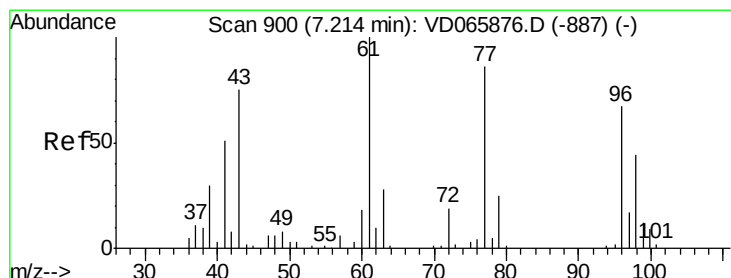
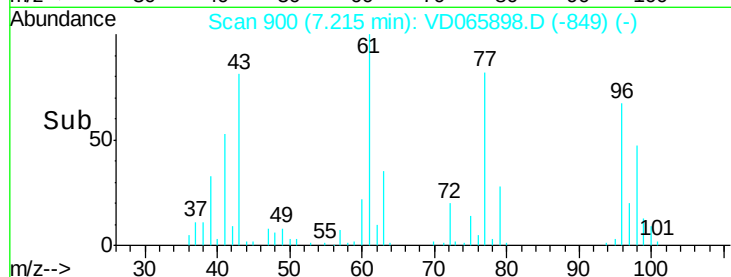
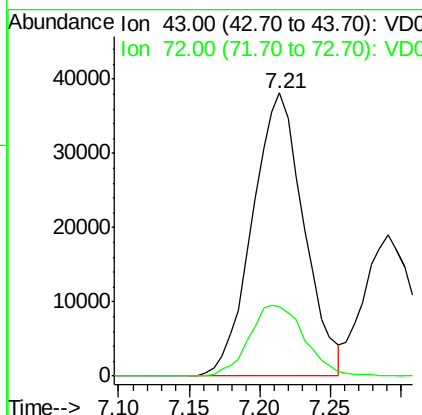
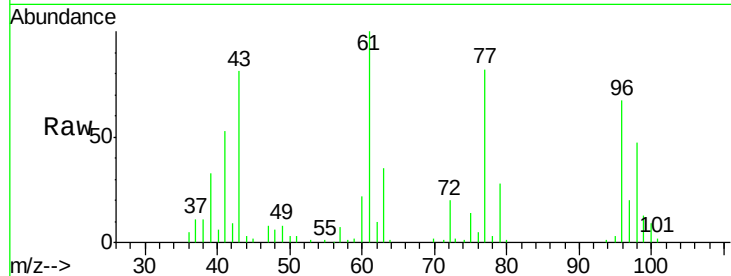




#25
2-Butanone
Concen: 247.682 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

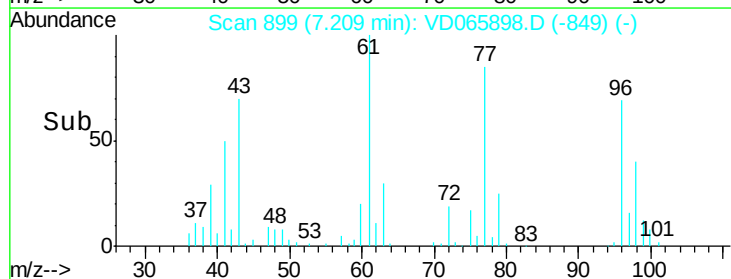
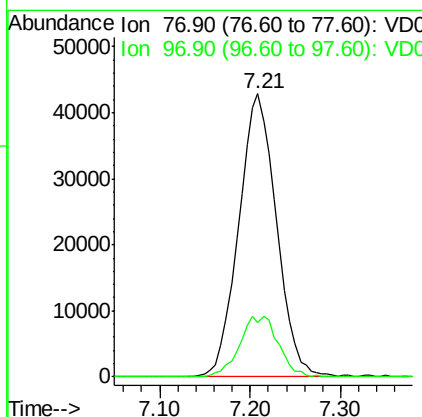
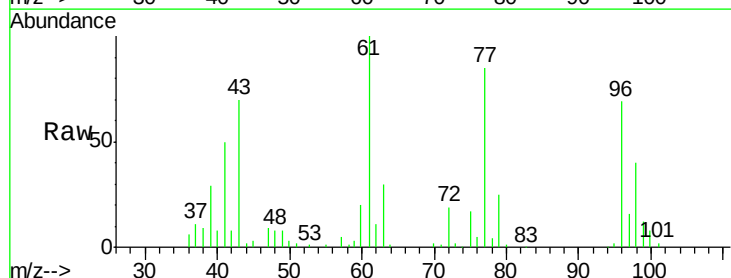
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

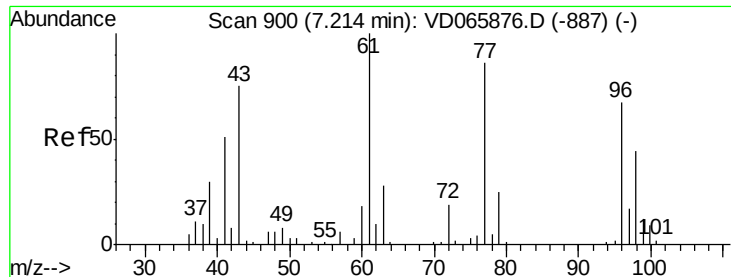
Tot Ion: 43 Resp: 97588
Ion Ratio Lower Upper
43 100
72 24.5 20.6 31.0



#26
2,2-Dichloropropane
Concen: 48.604 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 77 Resp: 123936
Ion Ratio Lower Upper
77 100
97 21.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 50.214 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

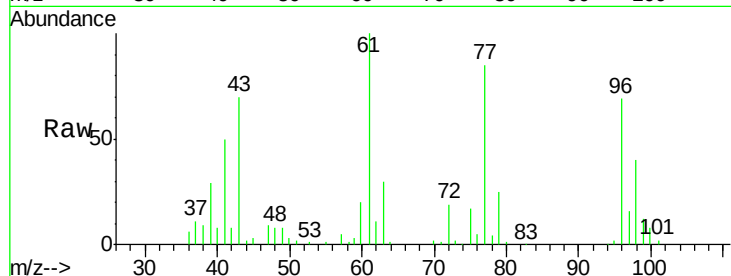
Tot Ion: 96 Resp: 90071

Ion Ratio Lower Upper

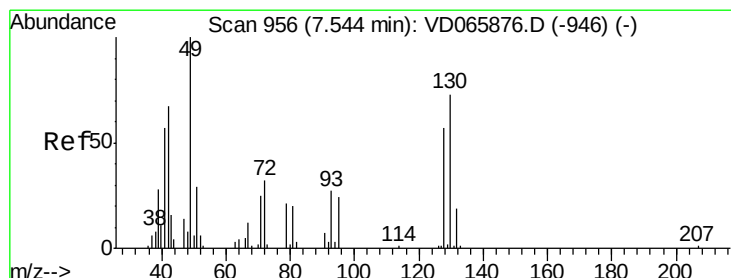
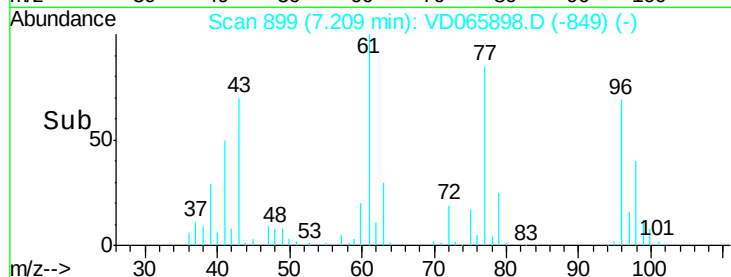
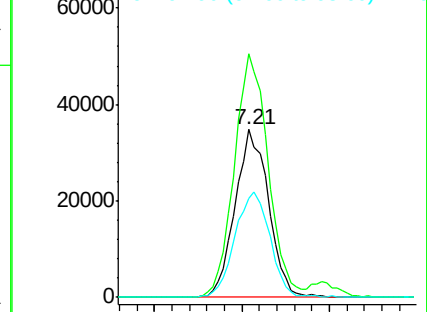
96 100

61 147.5 0.0 297.8

98 65.5 0.0 129.8



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



#28

Bromochloromethane

Concen: 53.140 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

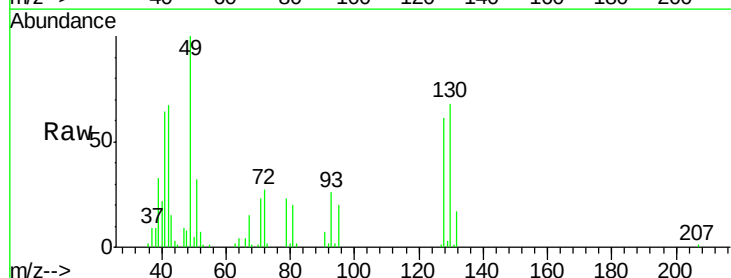
Tgt Ion: 49 Resp: 55487

Ion Ratio Lower Upper

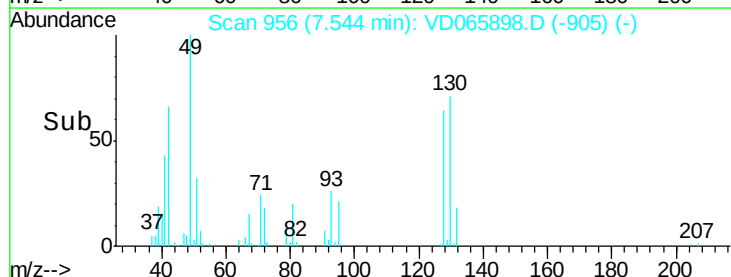
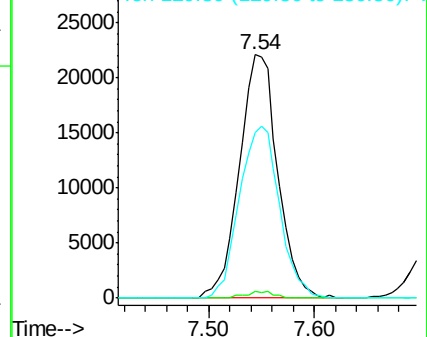
49 100

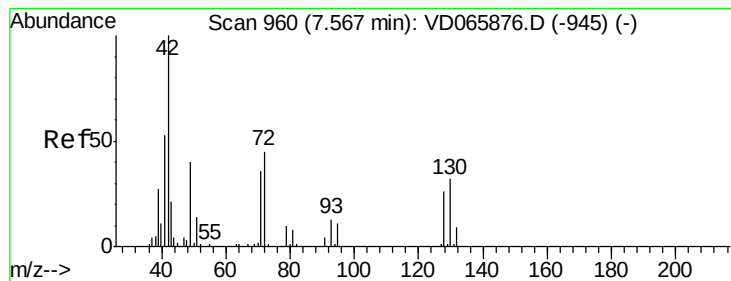
129 1.8 0.0 4.4

130 73.9 61.0 91.6



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





#29

Tetrahydrofuran

Concen: 271.712 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

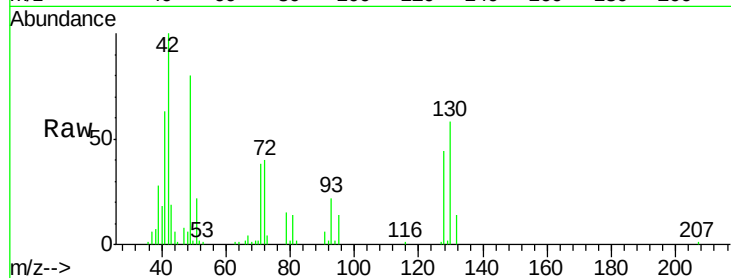
Tot Ion: 42 Resp: 68004

Ion Ratio Lower Upper

42 100

72 39.8 35.3 52.9

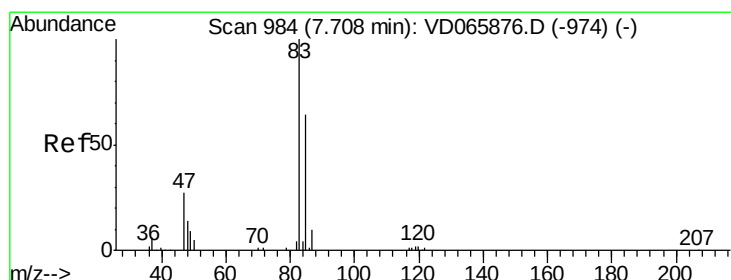
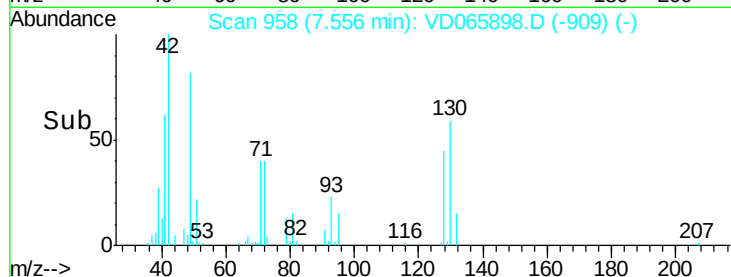
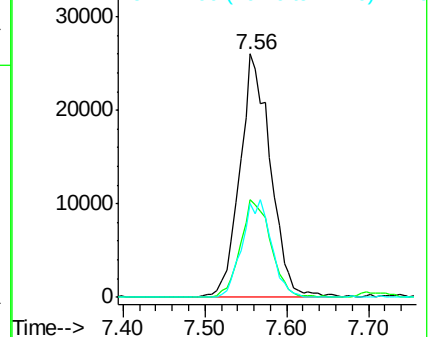
71 38.2 32.6 48.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.999 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD065898.D

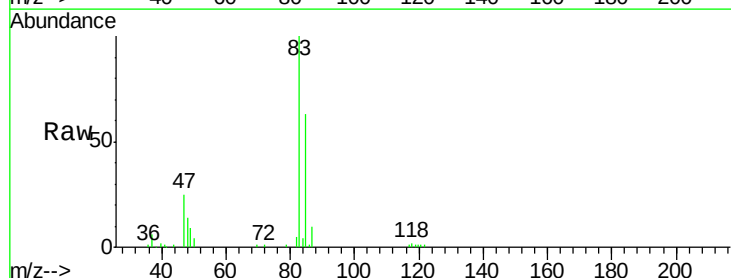
Acq: 29 Jun 2020 20:32

Tgt Ion: 83 Resp: 154699

Ion Ratio Lower Upper

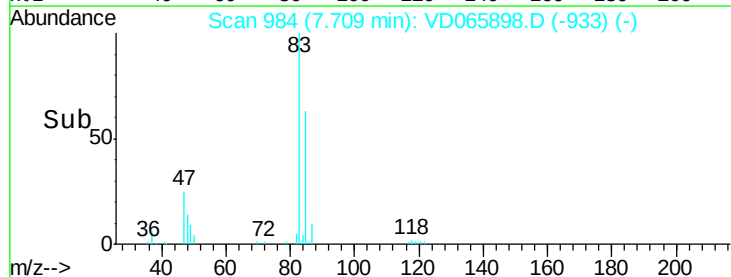
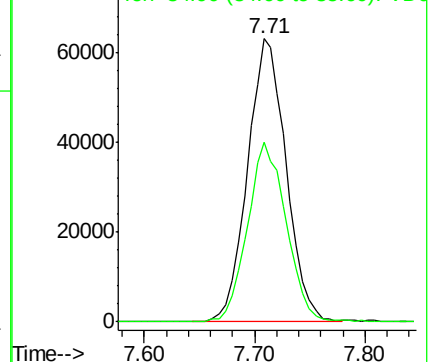
83 100

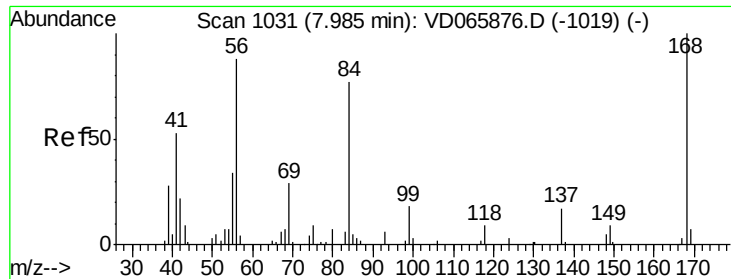
85 63.4 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

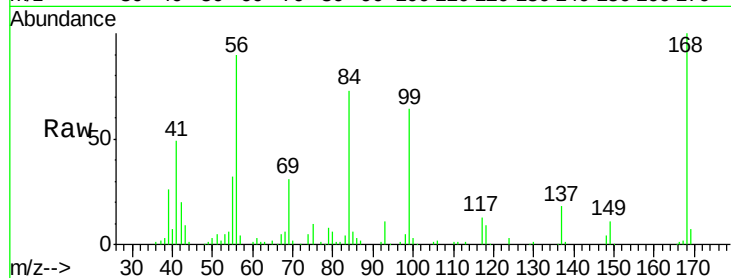




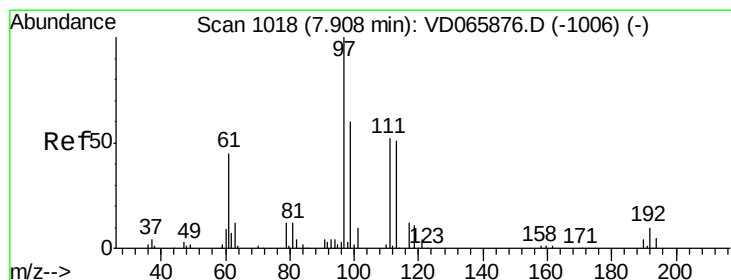
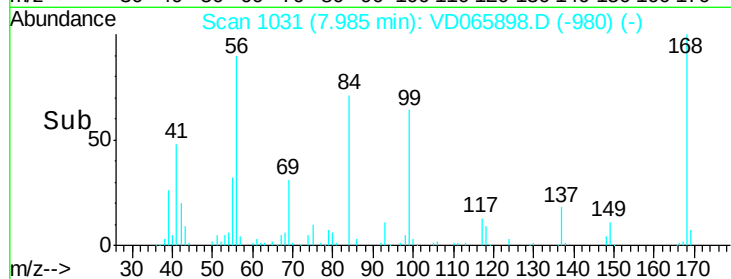
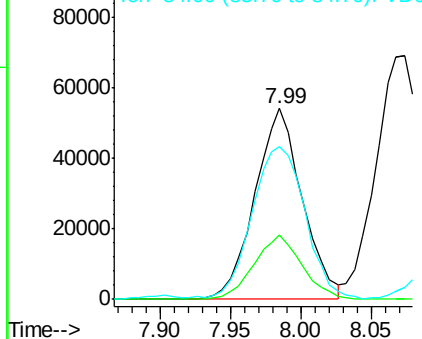
#31
Cyclohexane
Concen: 47.095 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 127127
Ion Ratio Lower Upper
56 100
69 34.0 26.2 39.4
84 79.2 70.3 105.5

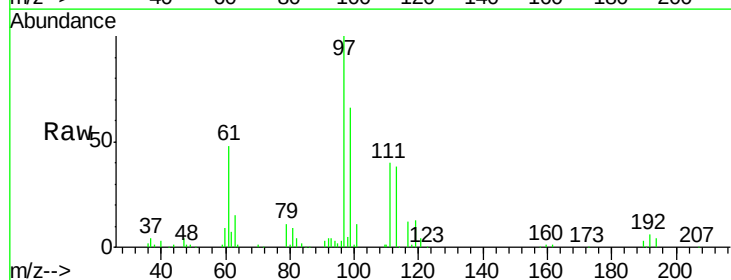


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

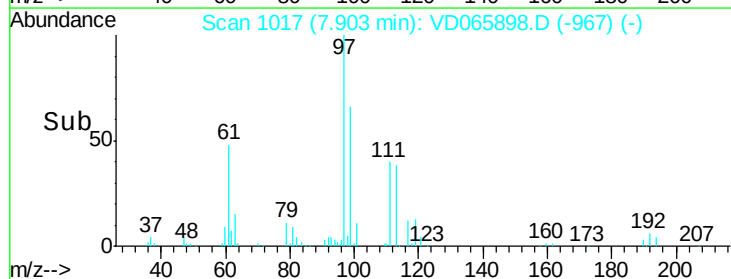
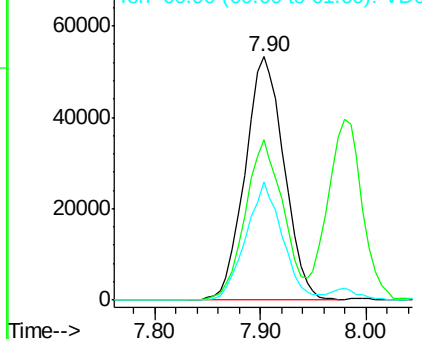


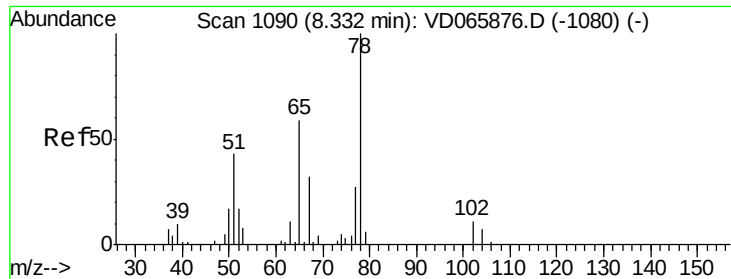
#32
1,1,1-Trichloroethane
Concen: 50.014 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 97 Resp: 136536
Ion Ratio Lower Upper
97 100
99 64.6 50.2 75.4
61 45.4 36.0 54.0



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

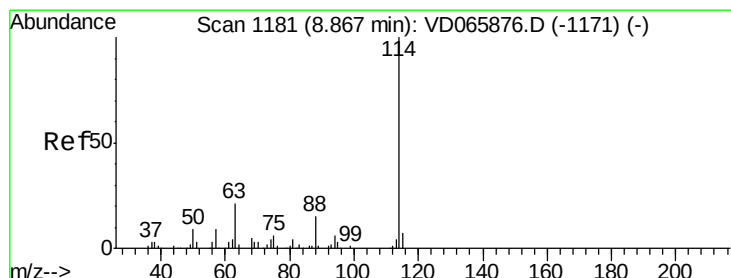
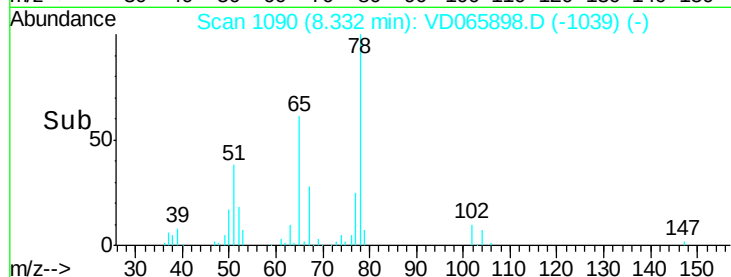
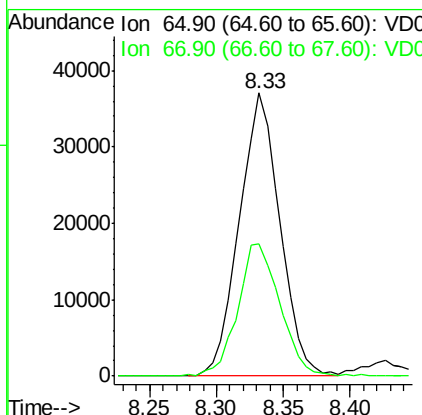
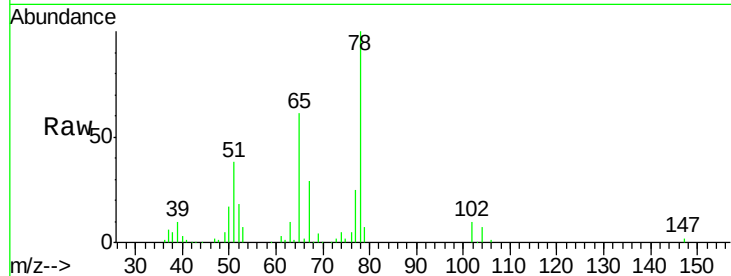




#33
 1,2-Dichloroethane-d4
 Concen: 51.762 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

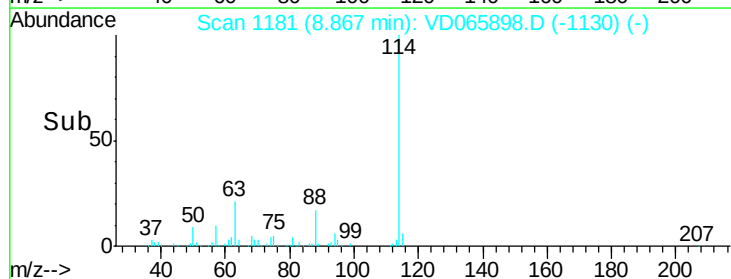
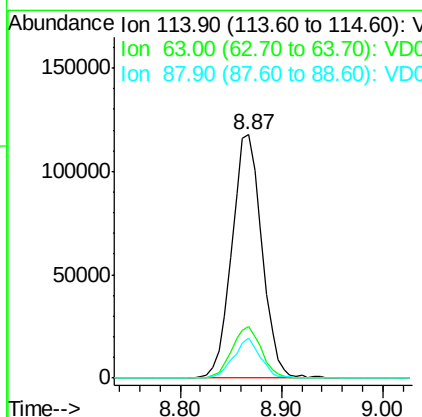
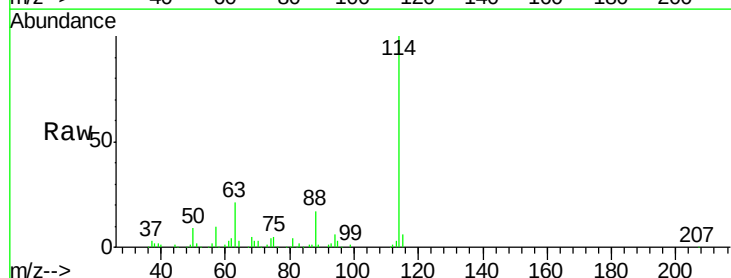
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

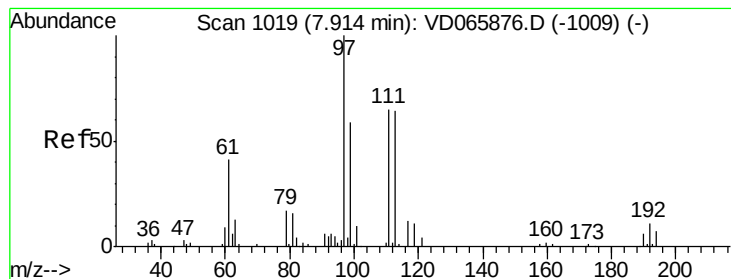
Tot Ion: 65 Resp: 78000
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion: 114 Resp: 241644
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 16.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.675 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

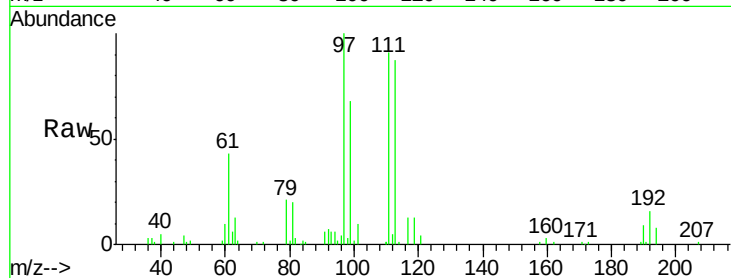
Tot Ion:113 Resp: 71208

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.6

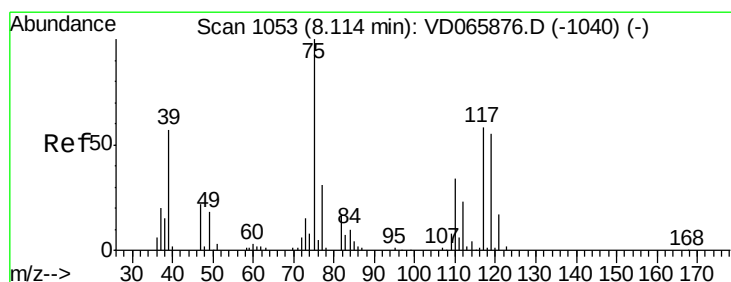
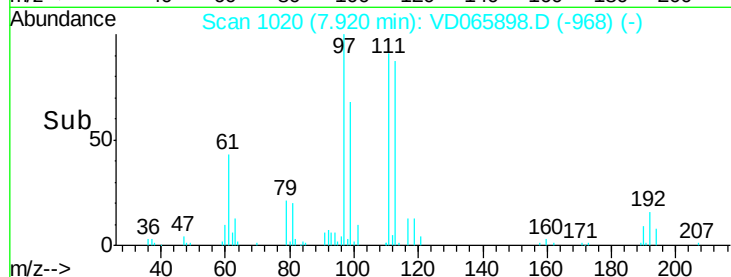
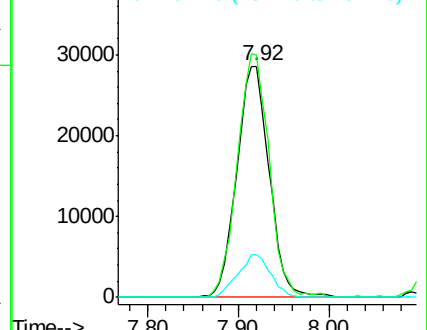
192 18.5 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.930 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

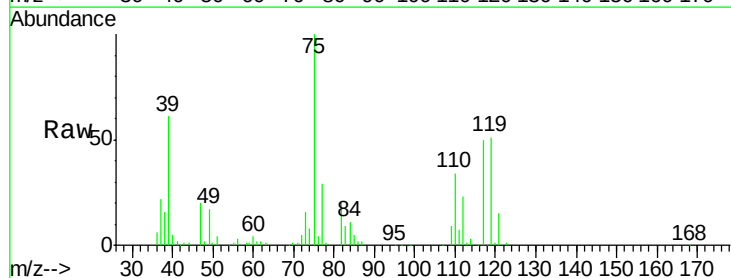
Tgt Ion: 75 Resp: 117651

Ion Ratio Lower Upper

75 100

110 34.1 16.8 50.4

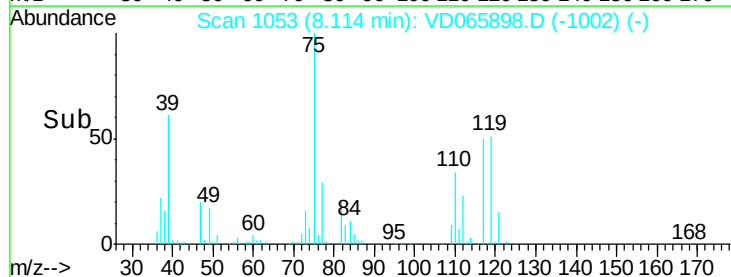
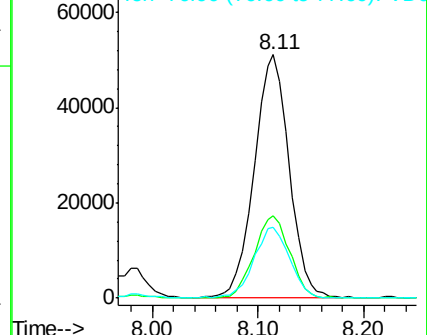
77 29.8 24.0 36.0

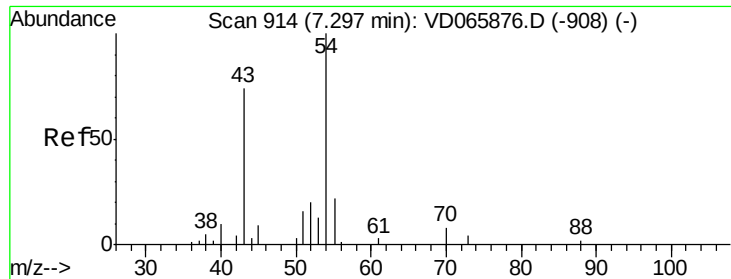


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

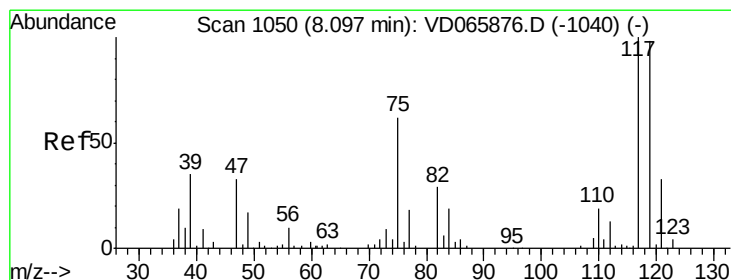
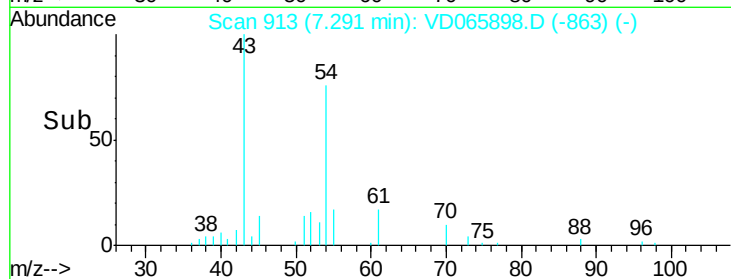
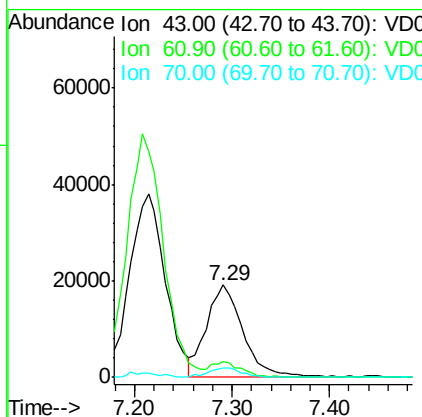
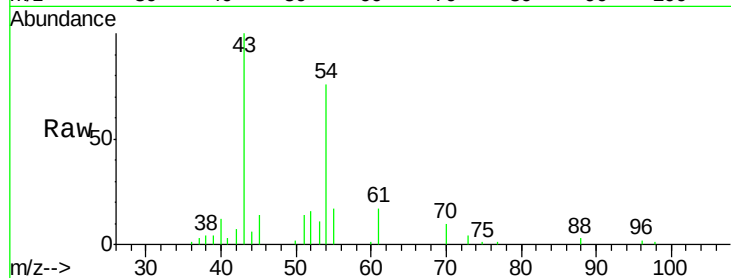




#37
Ethyl Acetate
Concen: 55.391 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

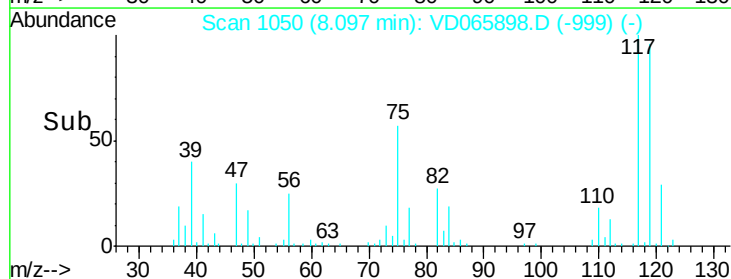
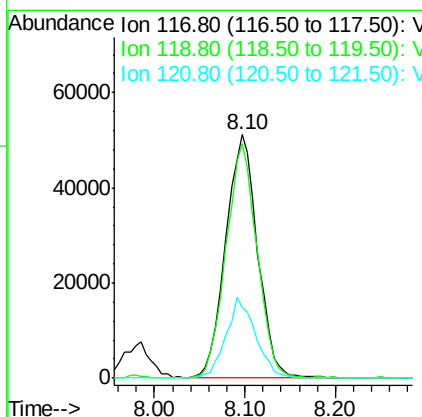
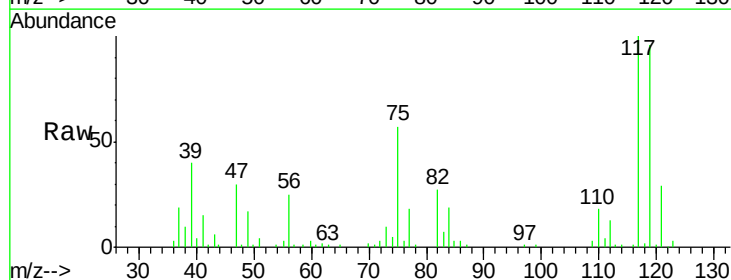
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

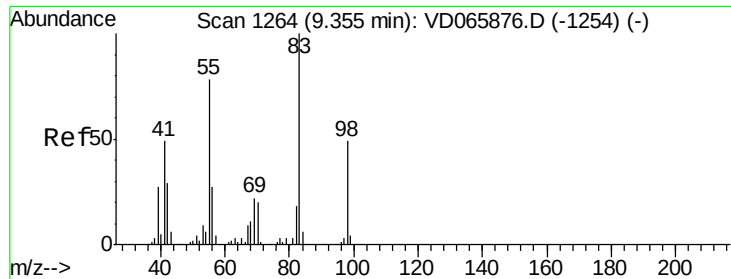
Tot Ion: 43 Resp: 49907
Ion Ratio Lower Upper
43 100
61 13.5 0.0 0.0#
70 9.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 49.181 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 117 Resp: 125140
Ion Ratio Lower Upper
117 100
119 96.4 78.6 117.8
121 28.9 26.5 39.7

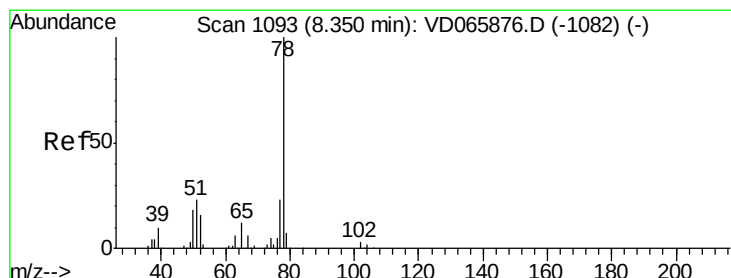
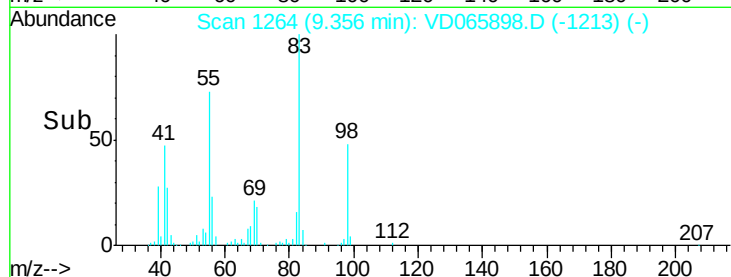
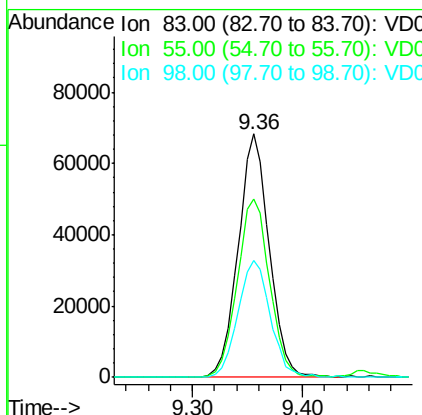
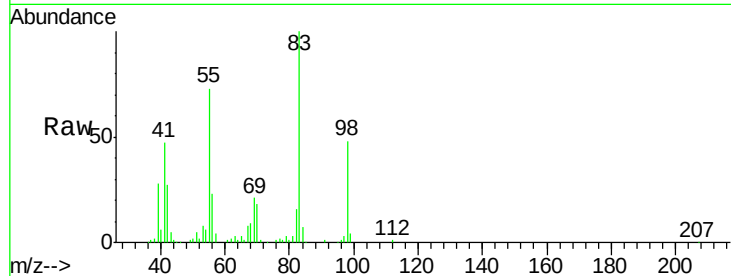




#39
Methylvlcyclohexane
Concen: 48.191 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

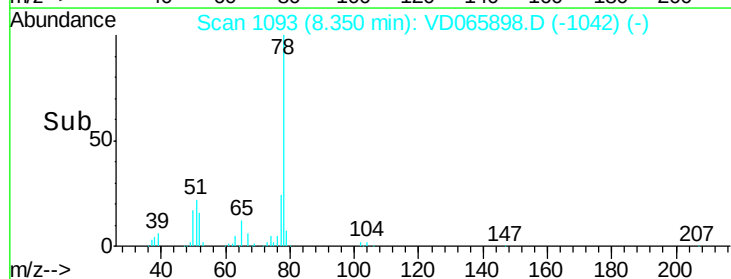
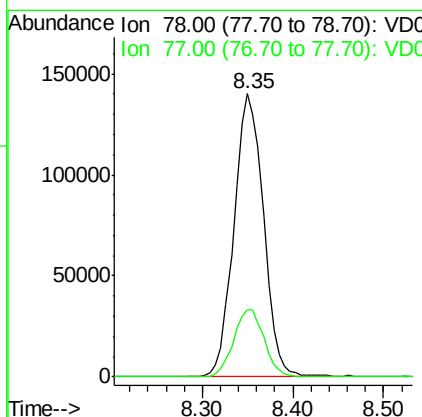
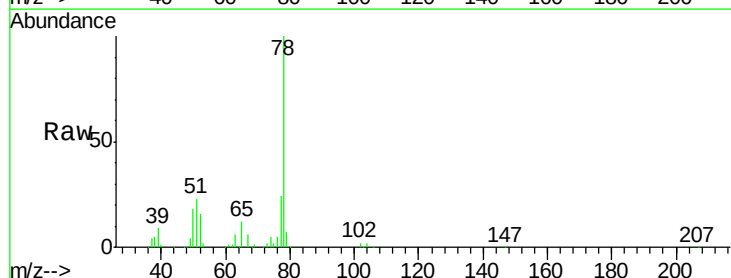
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

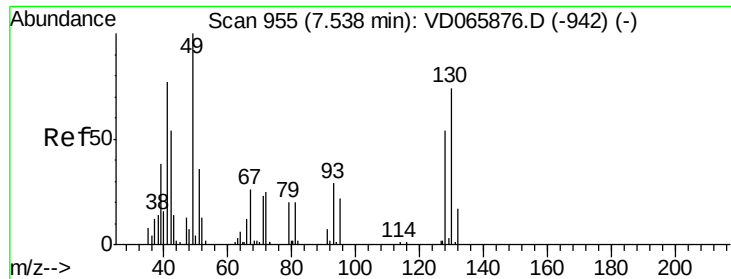
Tot Ion: 83 Resp: 134921
Ion Ratio Lower Upper
83 100
55 73.1 62.2 93.4
98 47.8 39.6 59.4



#40
Benzene
Concen: 48.535 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 78 Resp: 317288
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 48.824 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 24134

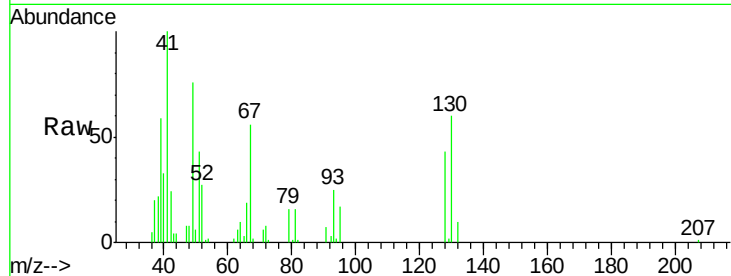
Ion Ratio Lower Upper

41 100

39 69.6 82.7 124.1#

67 80.4 0.0 0.0#

52 37.9 0.0 0.0#

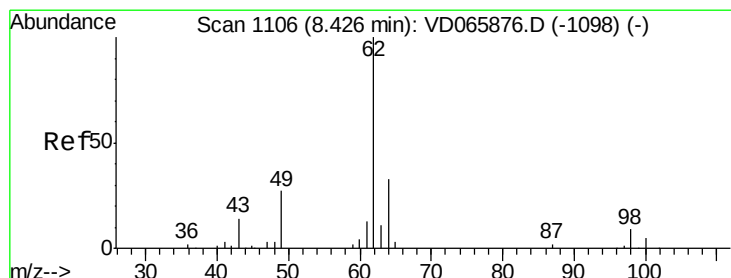
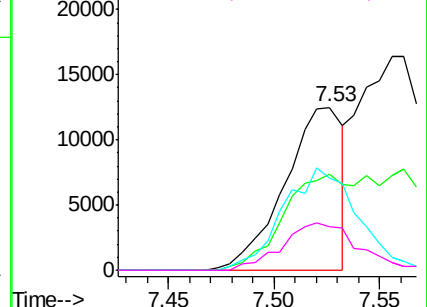
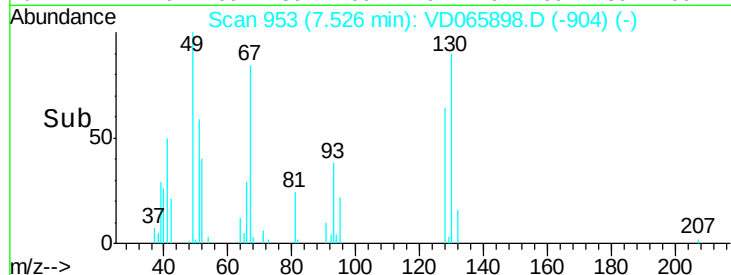


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.352 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065898.D

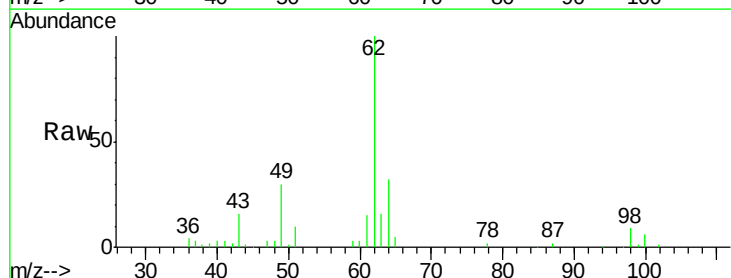
Acq: 29 Jun 2020 20:32

Tgt Ion: 62 Resp: 99034

Ion Ratio Lower Upper

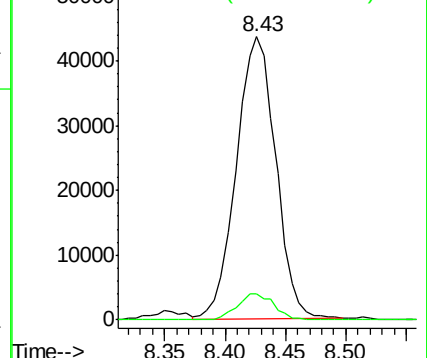
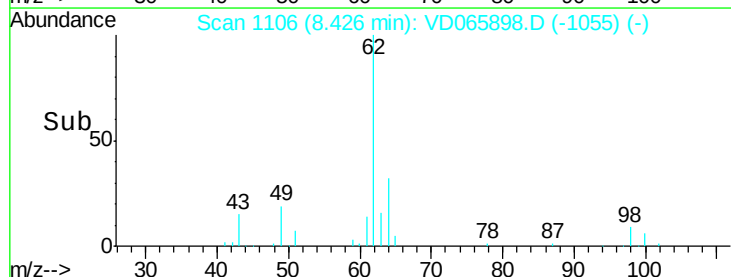
62 100

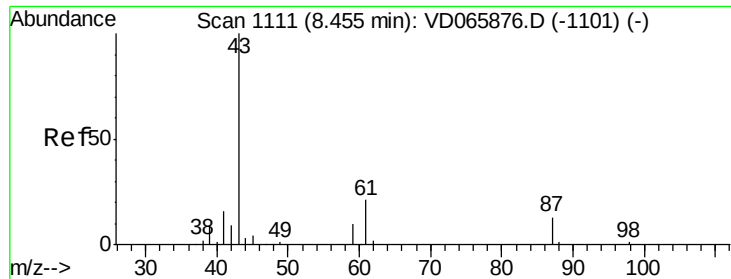
98 8.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.561 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

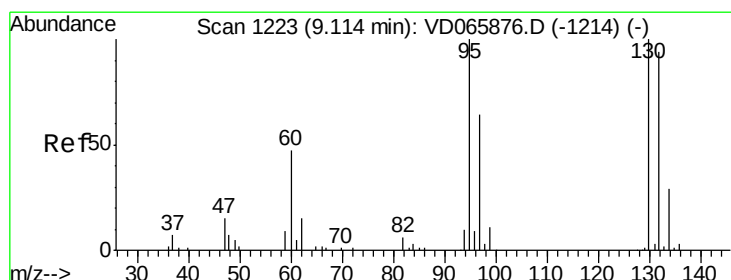
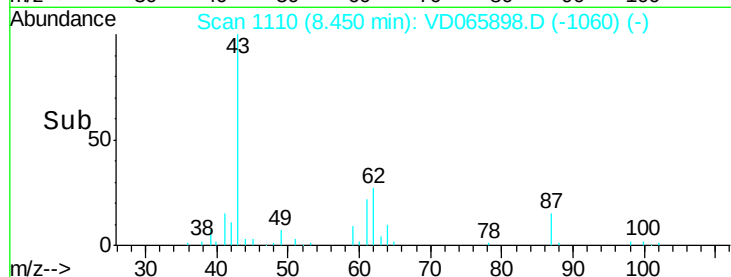
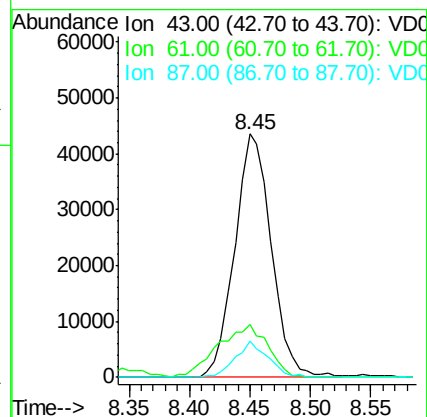
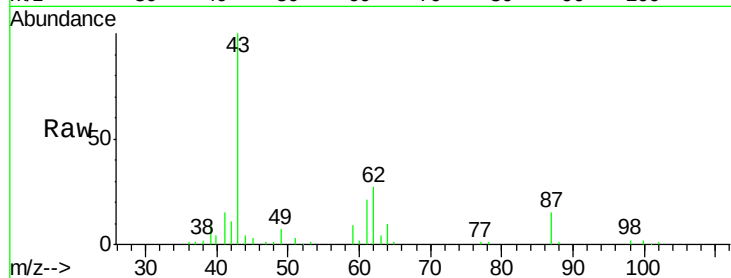
Tot Ion: 43 Resp: 91763

Ion Ratio Lower Upper

43 100

61 29.3 25.2 37.8

87 13.4 10.4 15.6



#44

Trichloroethene

Concen: 48.319 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065898.D

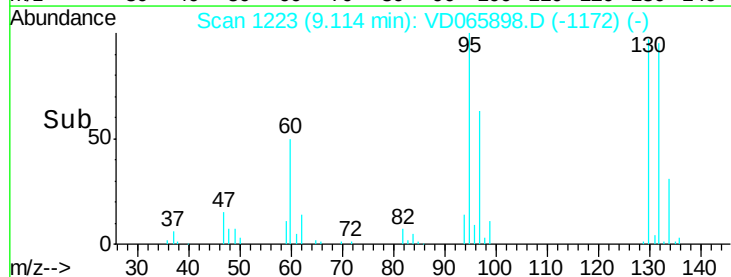
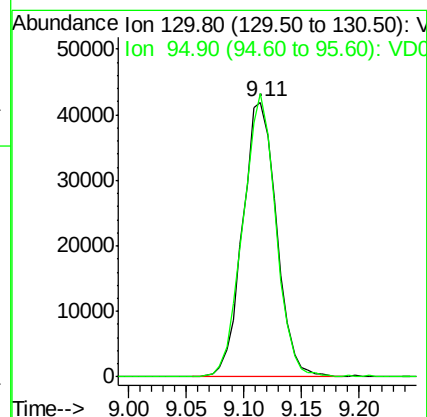
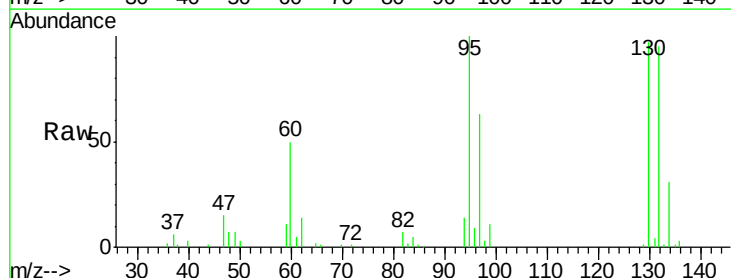
Acq: 29 Jun 2020 20:32

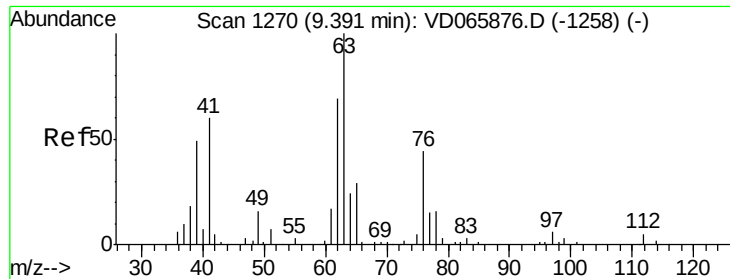
Tgt Ion:130 Resp: 85571

Ion Ratio Lower Upper

130 100

95 103.1 0.0 200.0

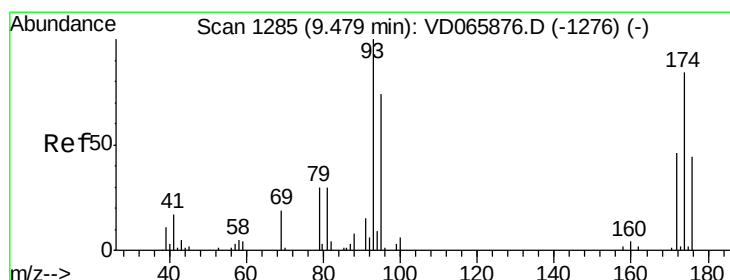
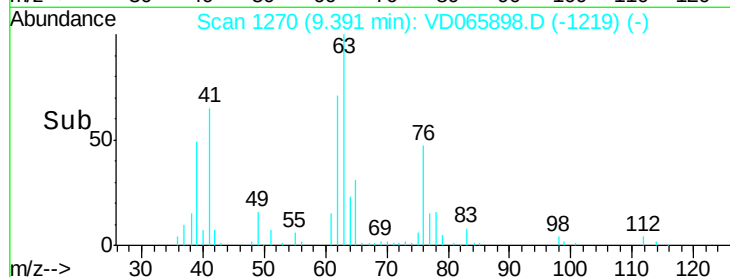
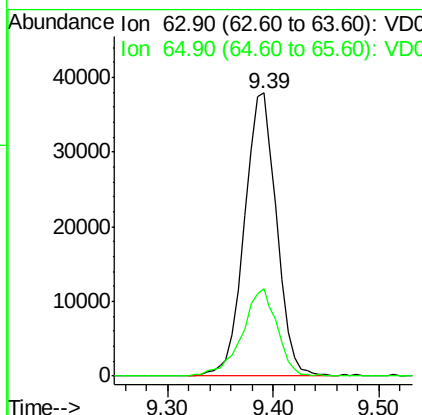
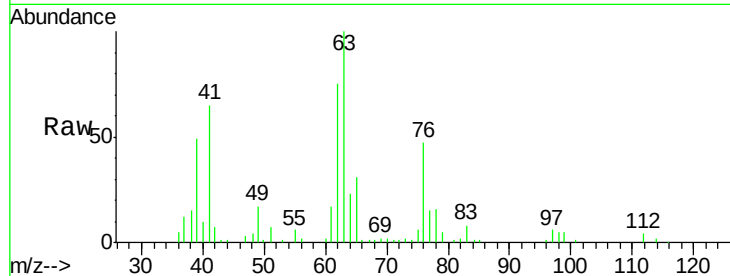




#45
 1,2-Dichloropropane
 Concen: 51.212 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

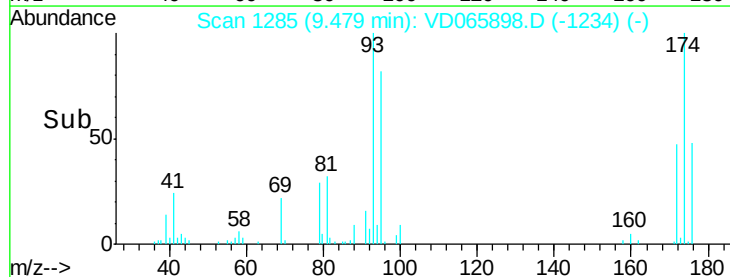
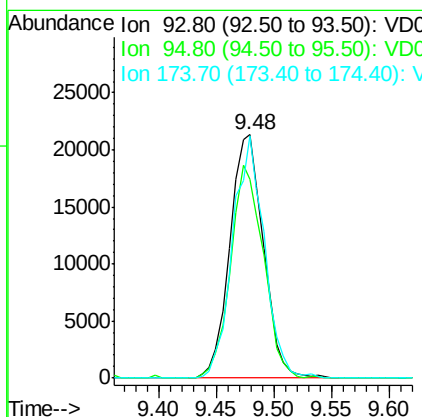
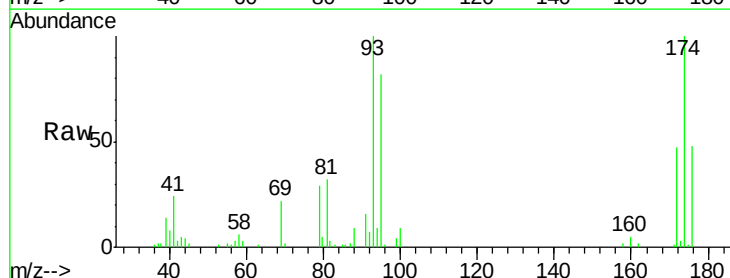
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

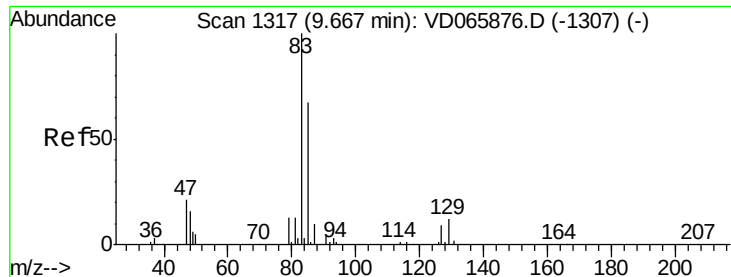
Tot Ion: 63 Resp: 80196
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.4 35.0



#46
 Dibromomethane
 Concen: 49.649 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion: 93 Resp: 43098
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.4 98.0
 174 93.5 75.2 112.8

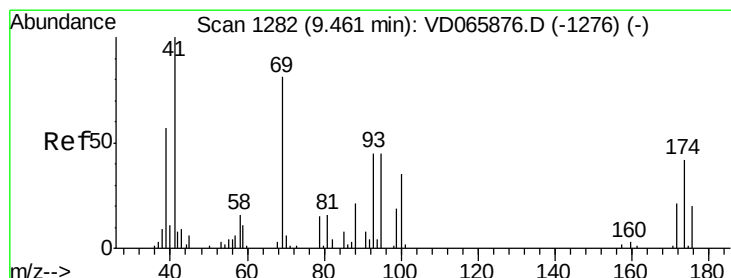
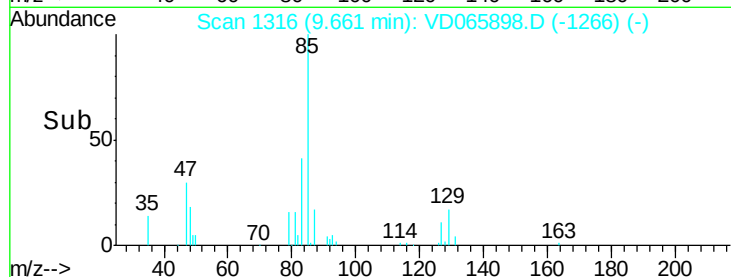
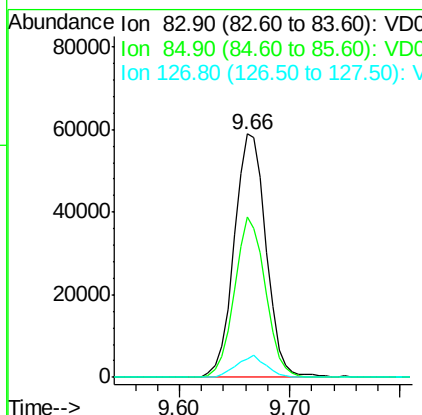
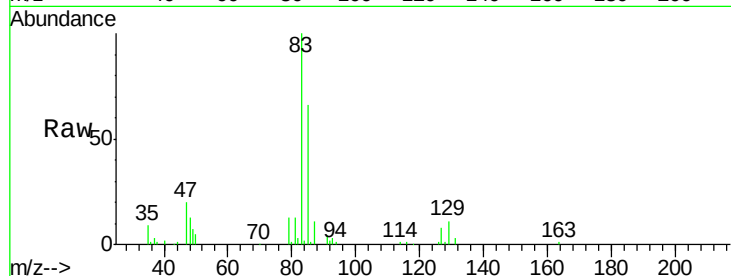




#47
Bromodichloromethane
Concen: 51.838 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

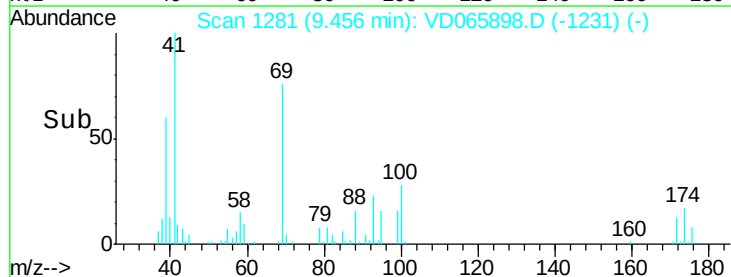
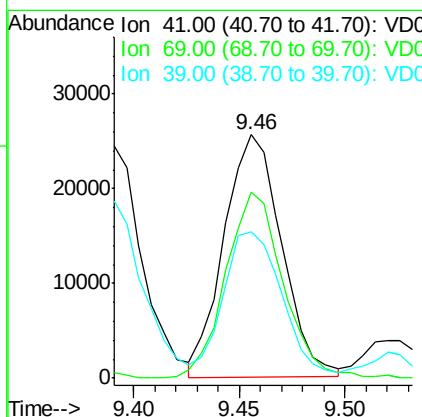
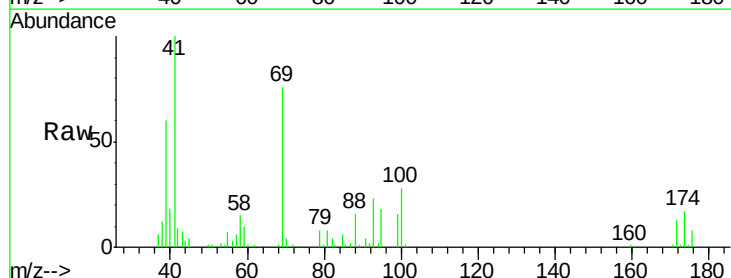
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

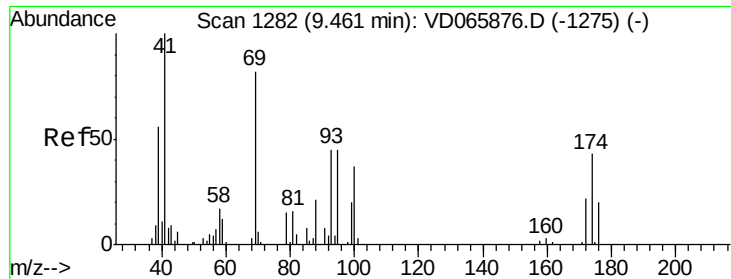
Tot Ion: 83 Resp: 119571
Ion Ratio Lower Upper
83 100
85 65.9 53.9 80.9
127 7.6 7.0 10.4



#48
Methyl methacrylate
Concen: 56.692 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 41 Resp: 48515
Ion Ratio Lower Upper
41 100
69 76.3 68.3 102.5
39 56.6 54.1 81.1





#49

1,4-Dioxane

Concen: 1113.112 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

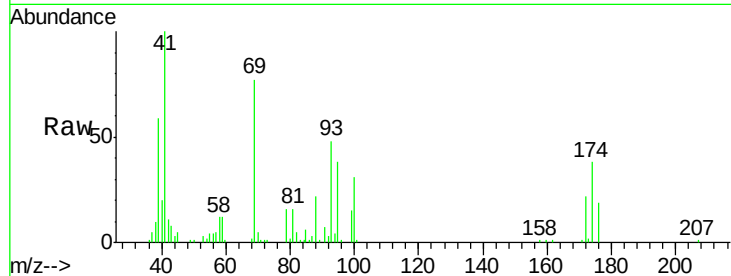
Tot Ion: 88 Resp: 9884

Ion Ratio Lower Upper

88 100

43 41.0 35.8 53.8

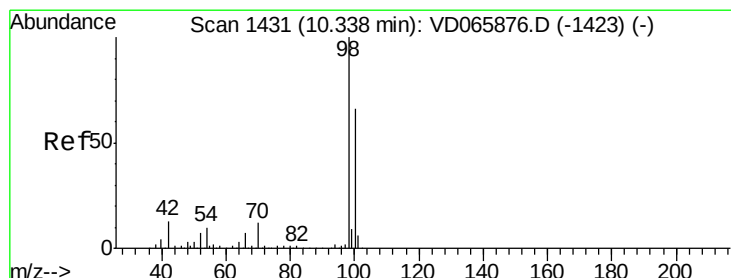
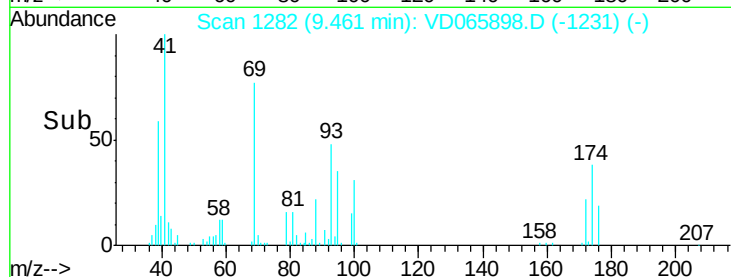
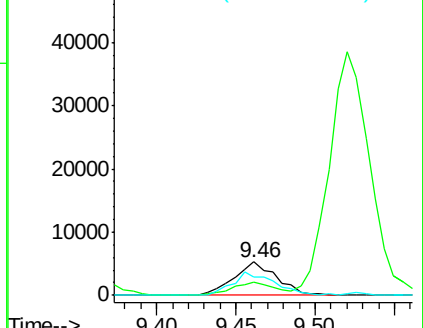
58 68.6 58.6 87.8



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: 47.809 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD065898.D

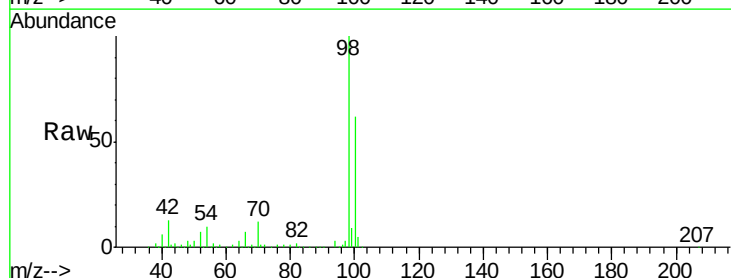
Acq: 29 Jun 2020 20:32

Tgt Ion: 98 Resp: 268612

Ion Ratio Lower Upper

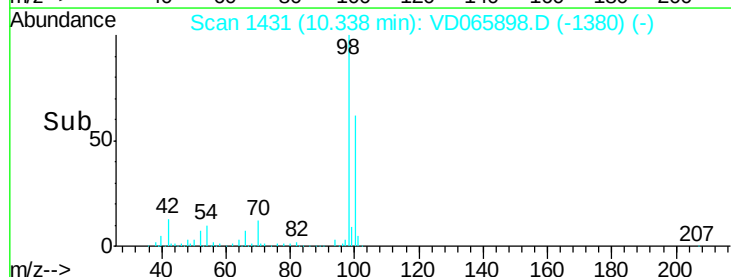
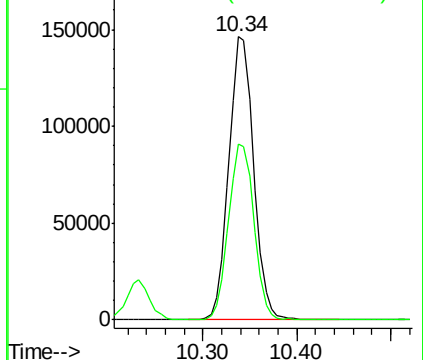
98 100

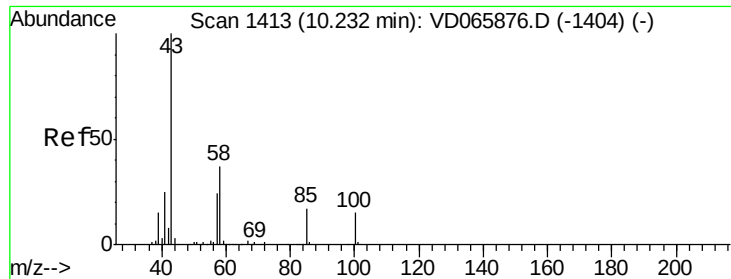
100 63.2 52.3 78.5



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: 262.686 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

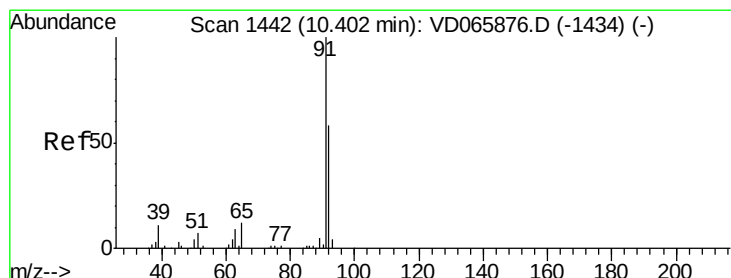
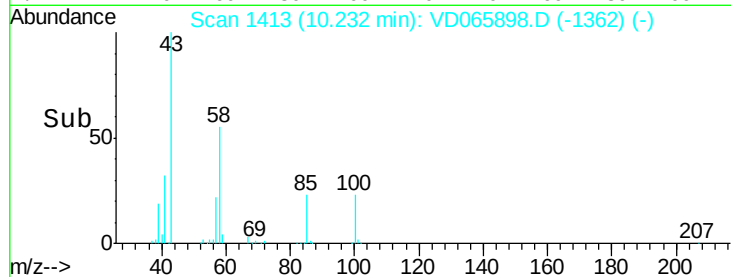
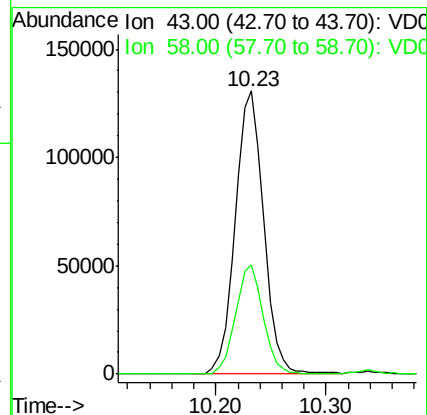
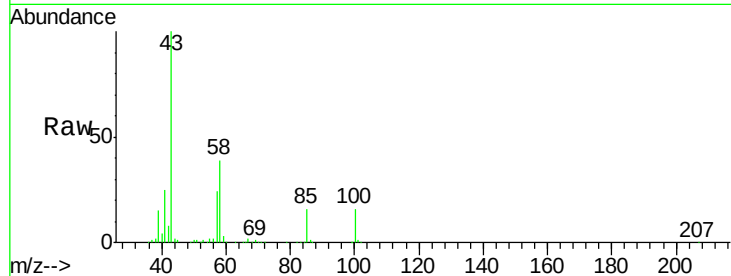
VSTDCCC050EC

Tot Ion: 43 Resp: 236398

Ion Ratio Lower Upper

43 100

58 37.6 29.5 44.3



#52

Toluene

Concen: 49.380 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065898.D

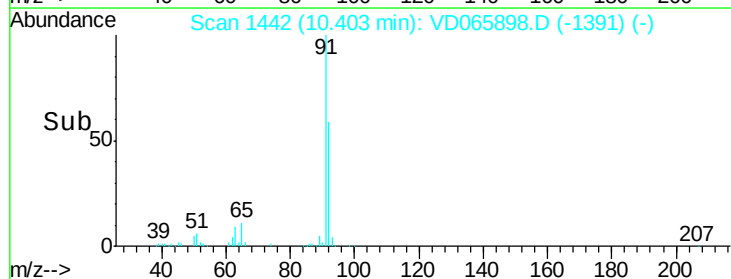
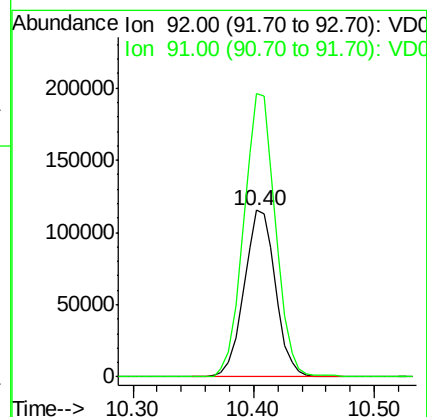
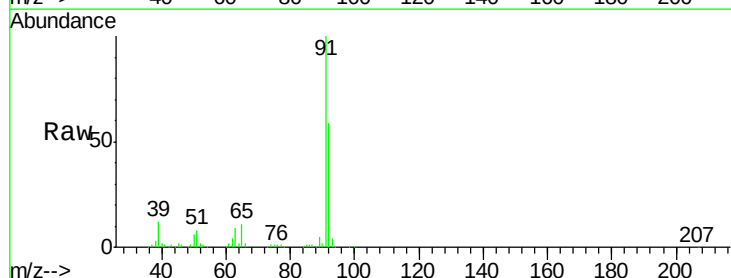
Acq: 29 Jun 2020 20:32

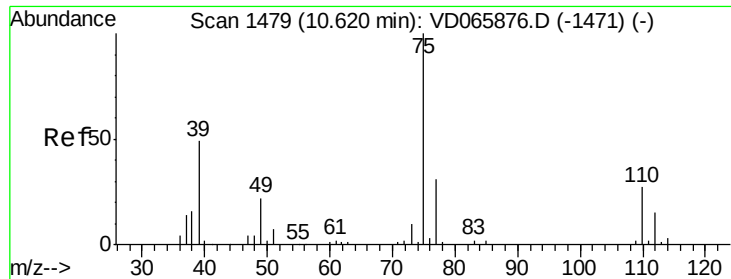
Tgt Ion: 92 Resp: 209875

Ion Ratio Lower Upper

92 100

91 171.8 140.8 211.2

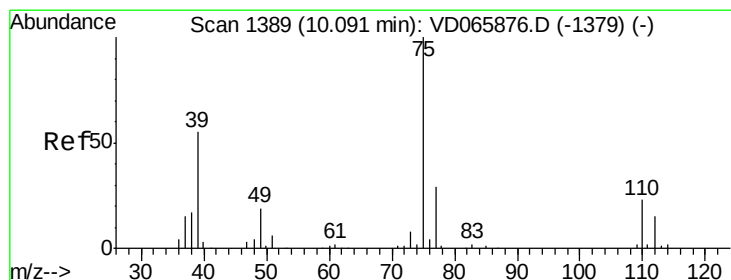
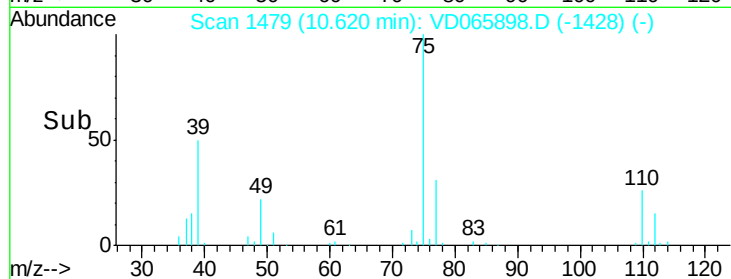
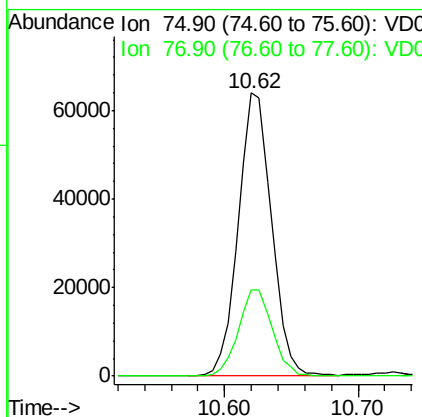
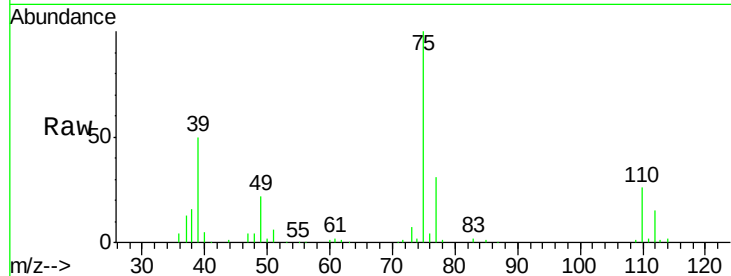




#53
 t-1,3-Dichloropropene
 Concen: 50.081 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

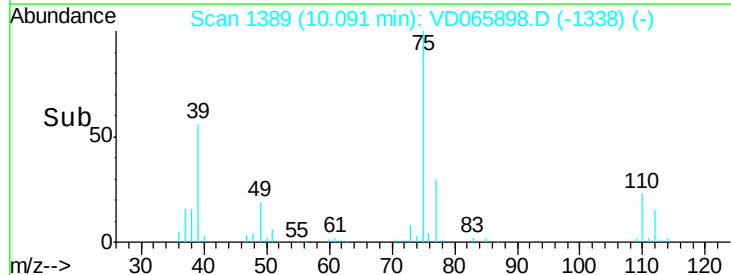
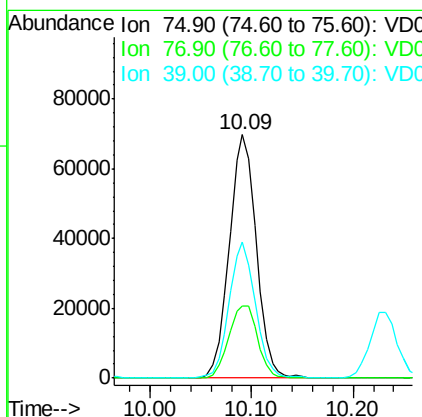
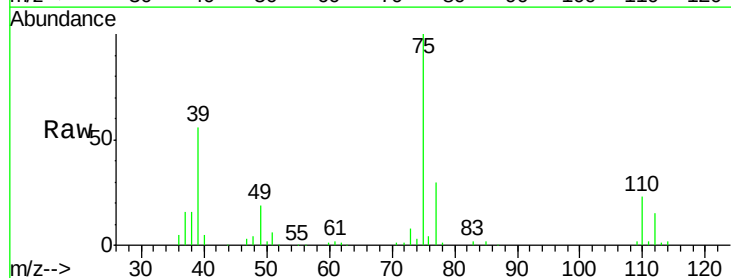
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

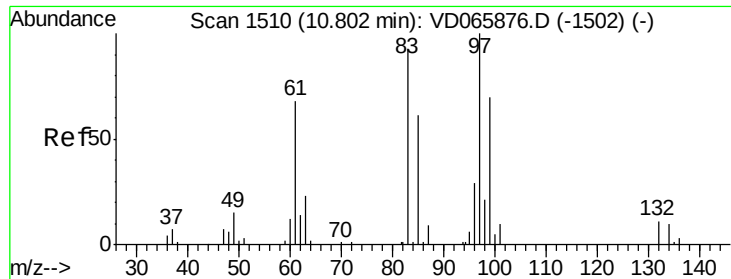
Tot Ion: 75 Resp: 110270
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.927 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion: 75 Resp: 129078
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.4 35.0
 39 55.9 43.9 65.9

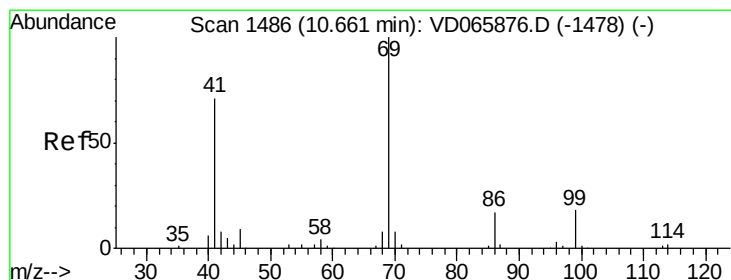
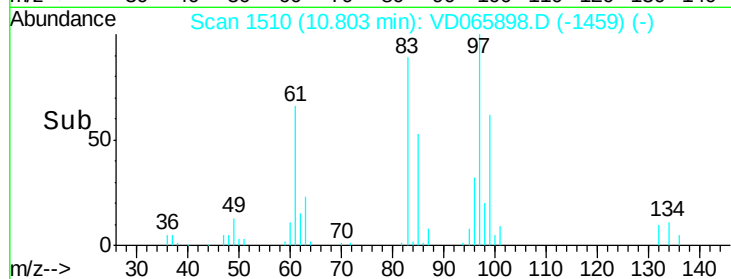
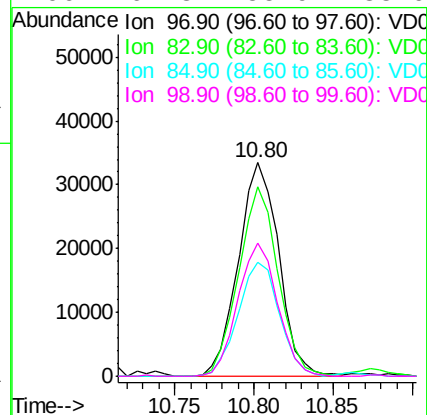
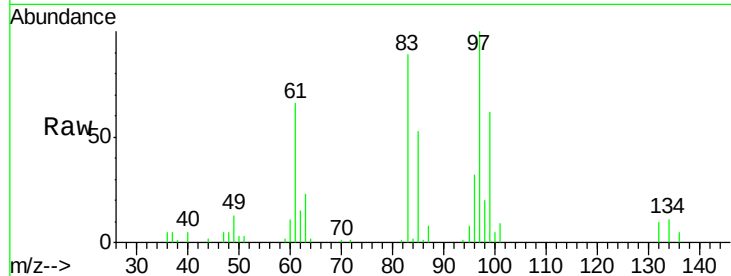




#55
 1,1,2-Trichloroethane
 Concen: 51.606 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

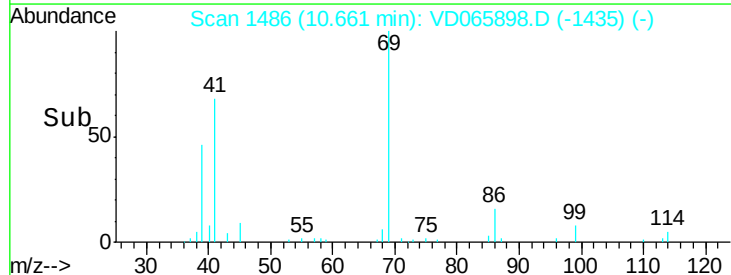
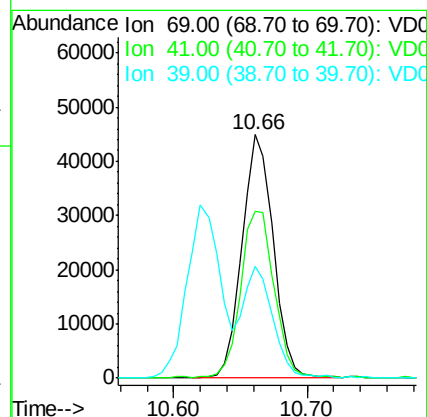
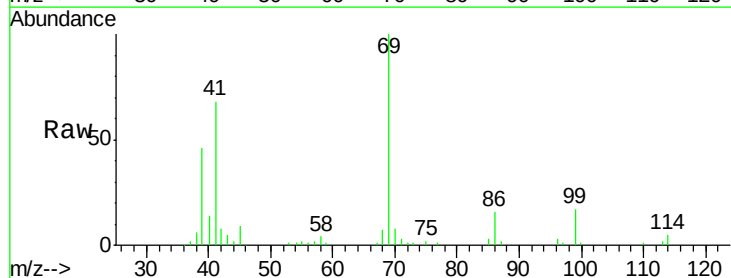
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

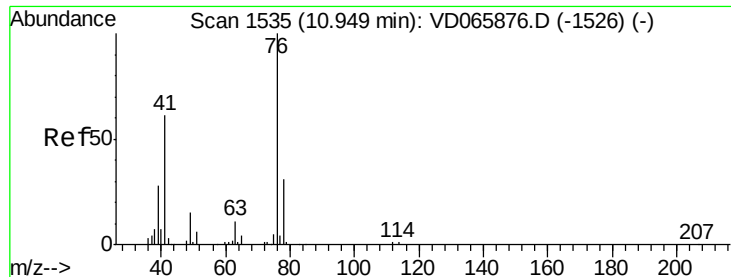
Tot Ion:	97	Resp:	59366
Ion	Ratio	Lower	Upper
97	100		
83	88.7	74.2	111.4
85	53.1	48.8	73.2
99	62.3	55.9	83.9



#56
 Ethyl methacrylate
 Concen: 51.012 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion:	69	Resp:	72866
Ion	Ratio	Lower	Upper
69	100		
41	74.2	55.4	83.2
39	44.2	33.0	49.4





#57

1,3-Dichloropropane

Concen: 51.083 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

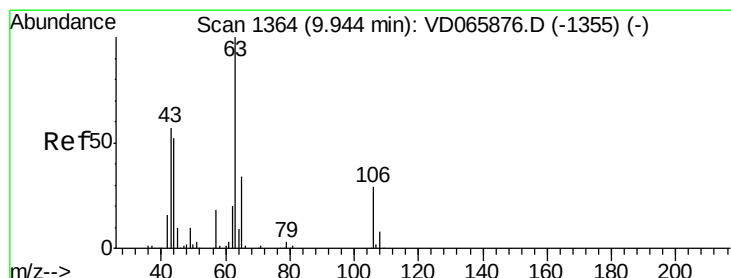
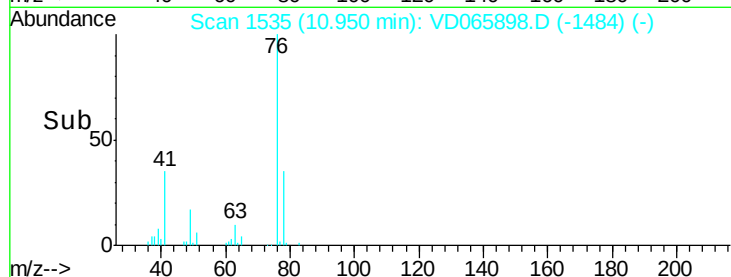
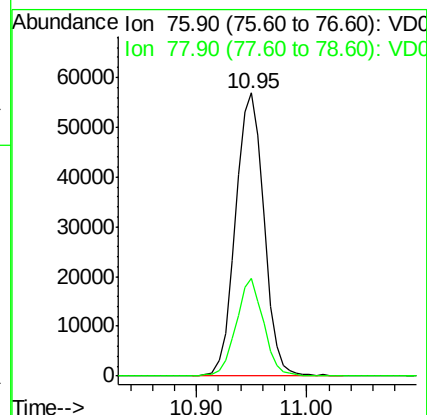
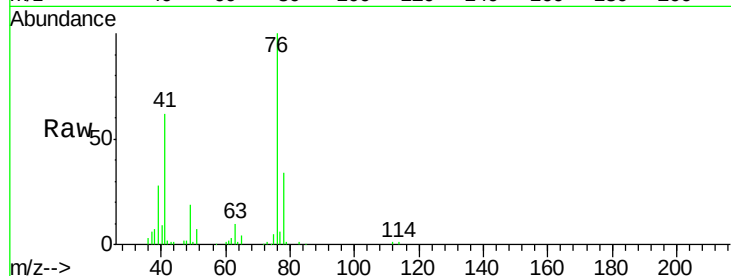
VSTDCCC050EC

Tot Ion: 76 Resp: 103079

Ion Ratio Lower Upper

76 100

78 33.2 25.1 37.7



#58

2-Chloroethyl Vinyl ether

Concen: 263.662 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065898.D

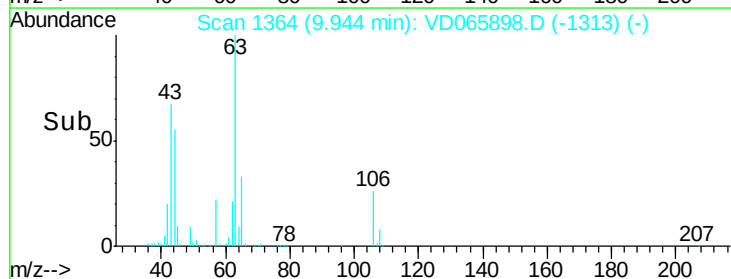
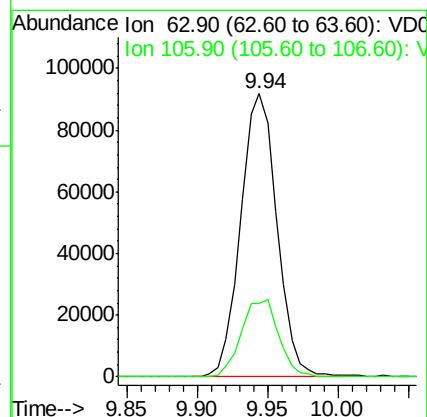
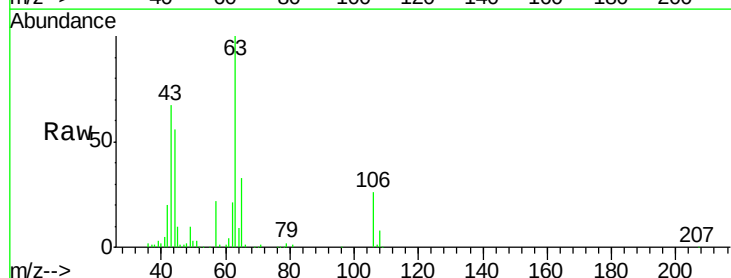
Acq: 29 Jun 2020 20:32

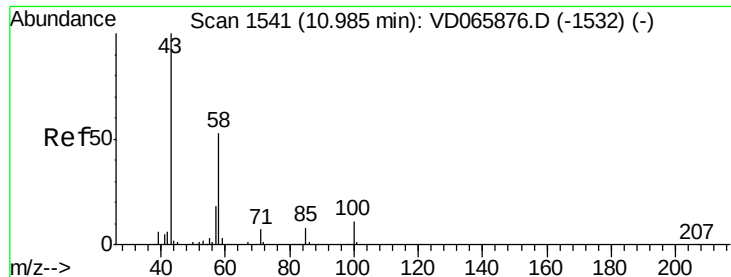
Tgt Ion: 63 Resp: 165078

Ion Ratio Lower Upper

63 100

106 28.4 22.6 34.0





#59

2-Hexanone

Concen: 255.205 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

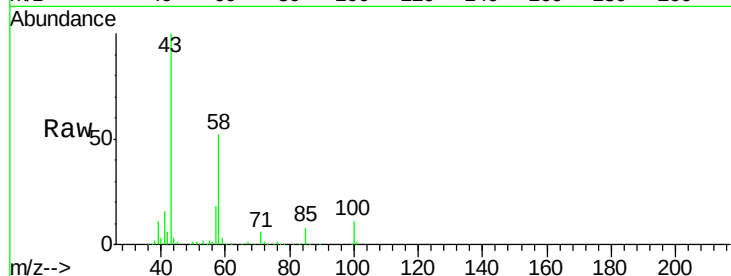
VSTDCCC050EC

Tot Ion: 43 Resp: 160984

Ion Ratio Lower Upper

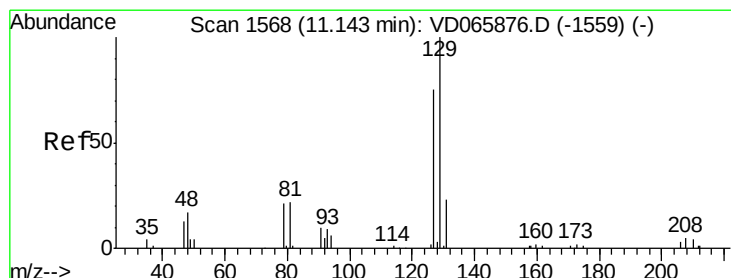
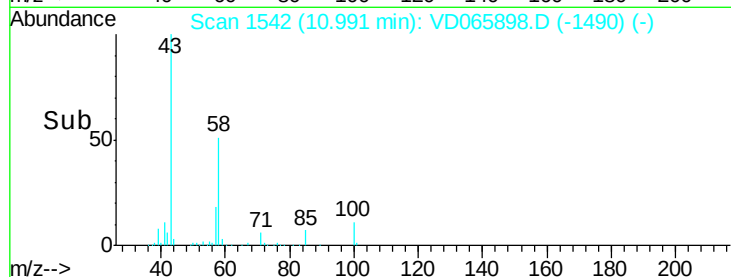
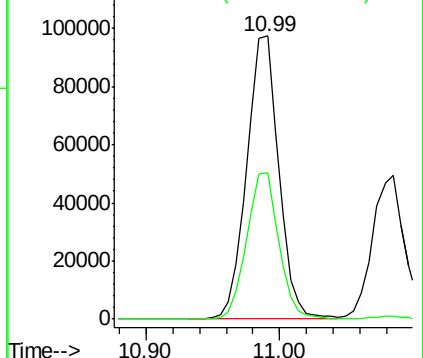
43 100

58 51.9 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 50.734 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065898.D

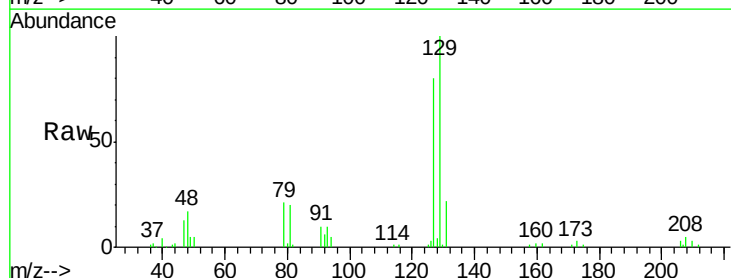
Acq: 29 Jun 2020 20:32

Tgt Ion:129 Resp: 79718

Ion Ratio Lower Upper

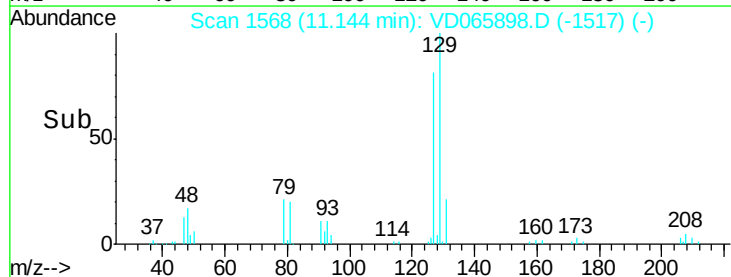
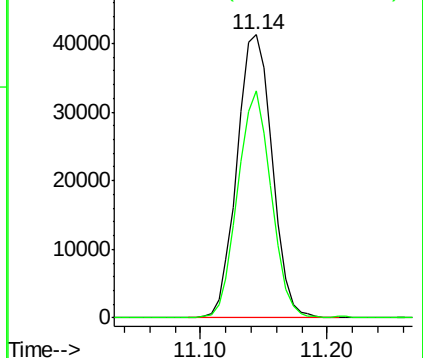
129 100

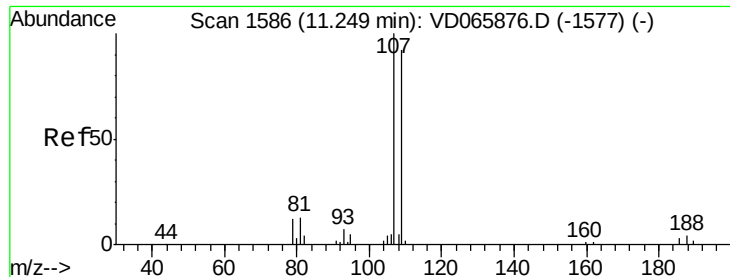
127 75.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

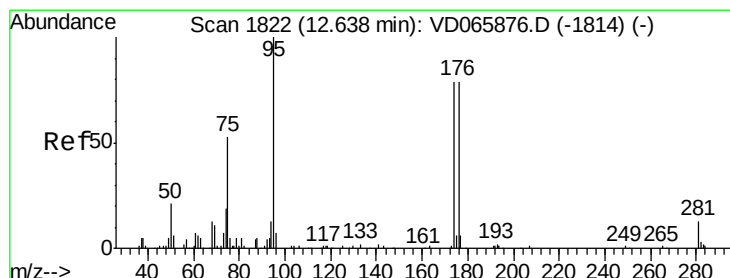
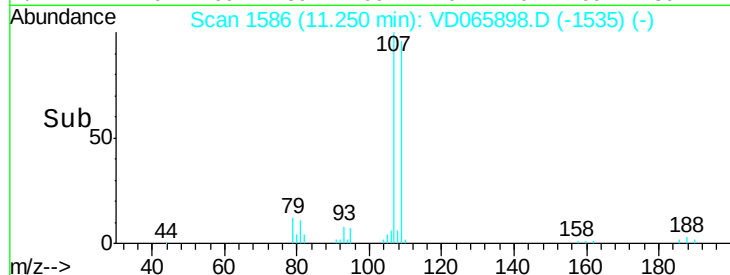
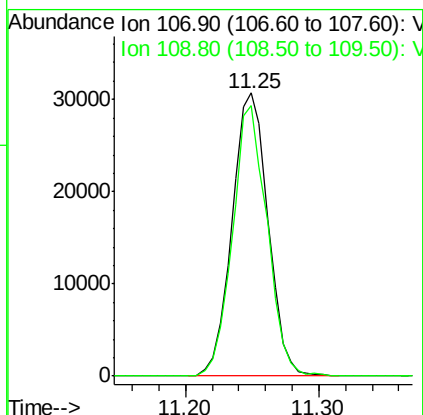
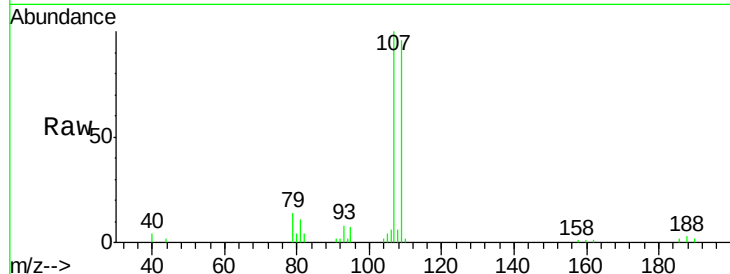




#61
1,2-Dibromoethane
Concen: 50.851 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

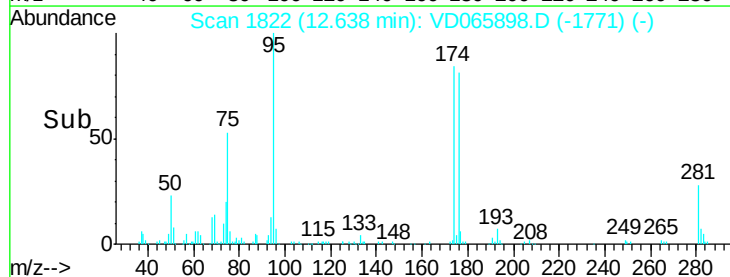
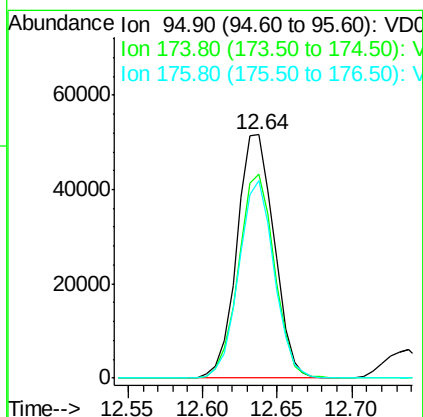
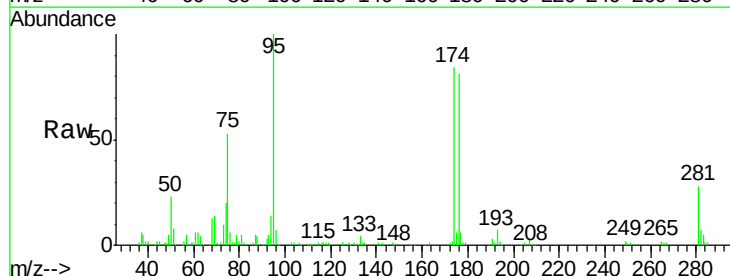
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

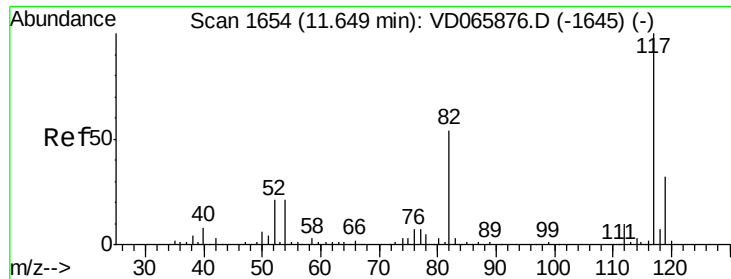
Tot Ion:107 Resp: 57253
Ion Ratio Lower Upper
107 100
109 92.1 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.511 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 95 Resp: 89290
Ion Ratio Lower Upper
95 100
174 81.0 0.0 158.4
176 77.2 0.0 156.0

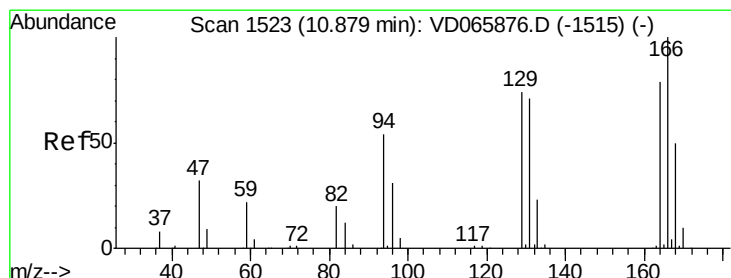
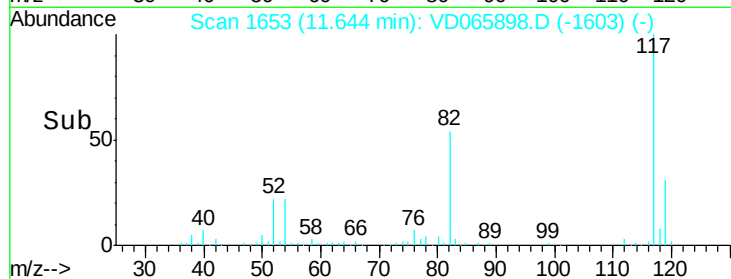
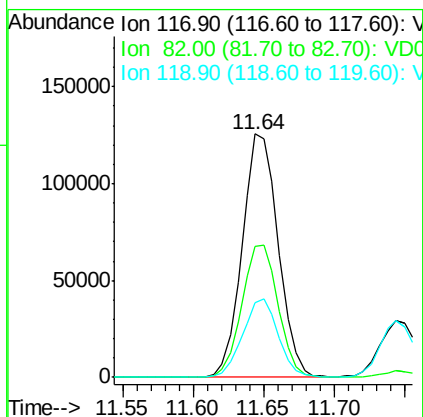
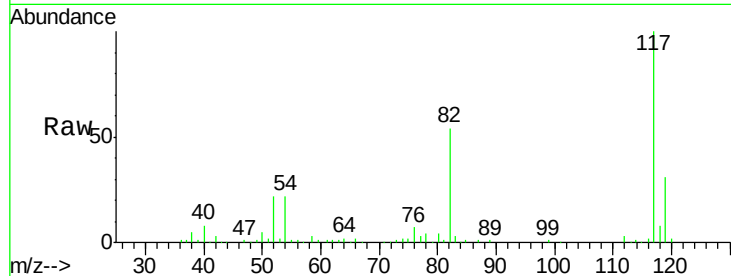




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

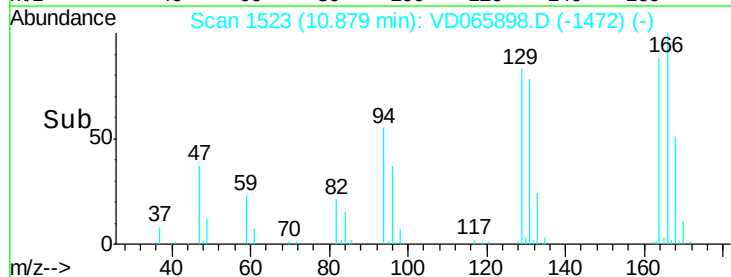
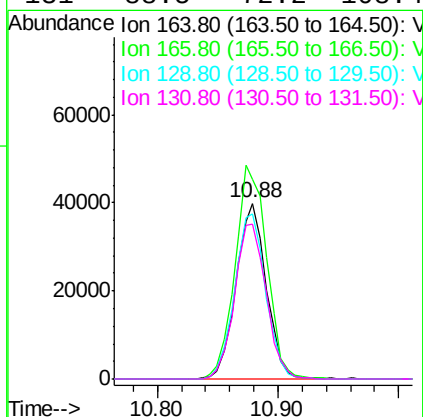
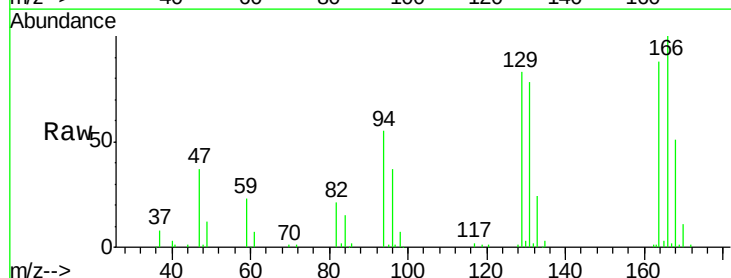
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

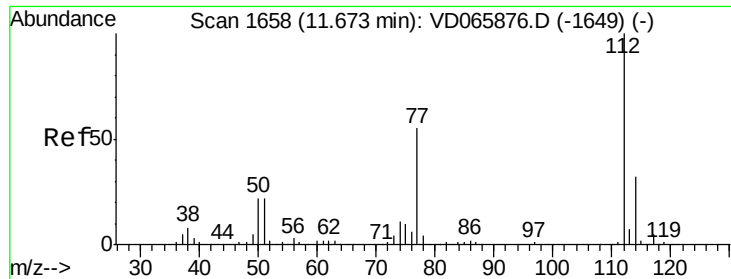
Tot Ion:117 Resp: 224644
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 30.6 25.9 38.9



#64
Tetrachloroethene
Concen: 47.347 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion:164 Resp: 69454
Ion Ratio Lower Upper
164 100
166 114.1 101.3 151.9
129 94.2 74.5 111.7
131 88.5 72.2 108.4

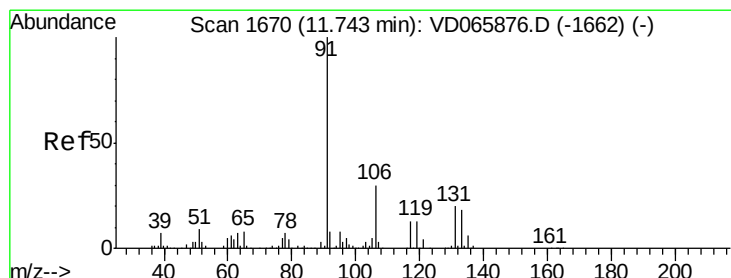
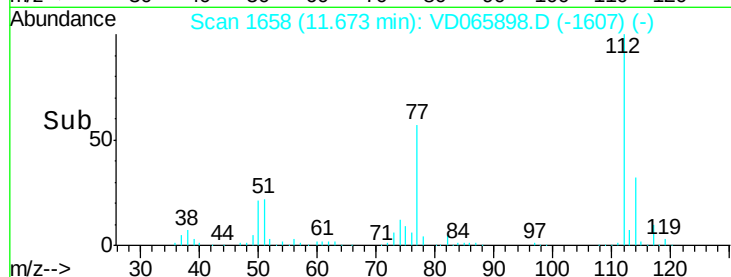
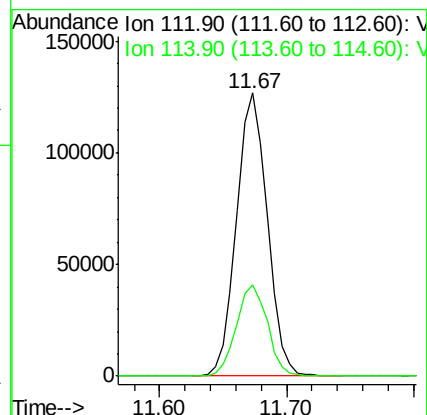
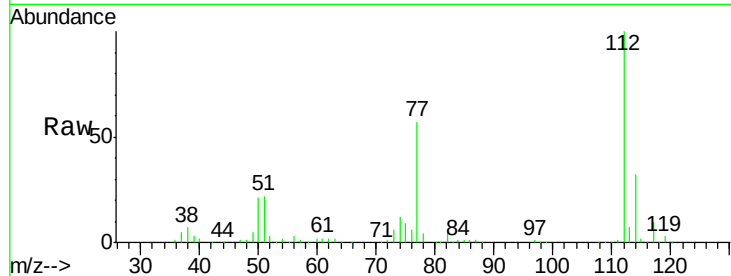




#65
Chlorobenzene
Concen: 47.783 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

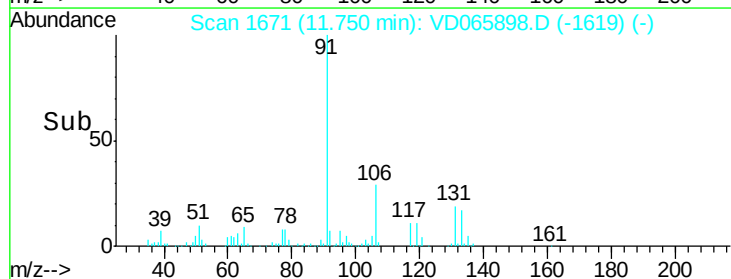
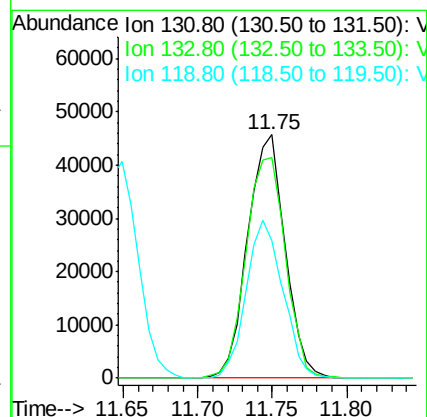
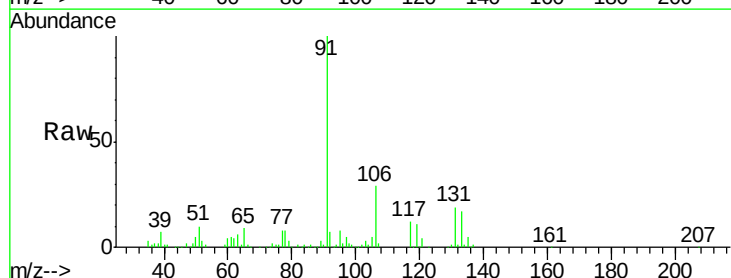
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

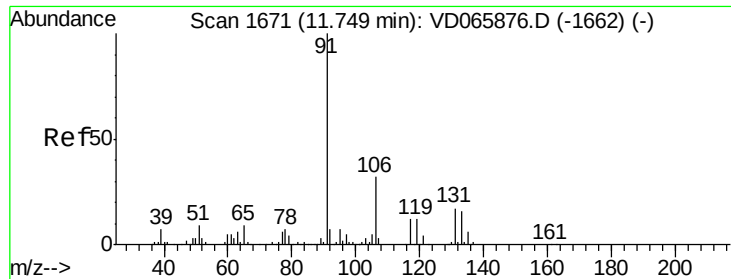
Tot Ion:112 Resp: 212920
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.834 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion:131 Resp: 79403
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.3
119 63.5 33.0 98.9





#67

Ethyl Benzene

Concen: 48.056 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

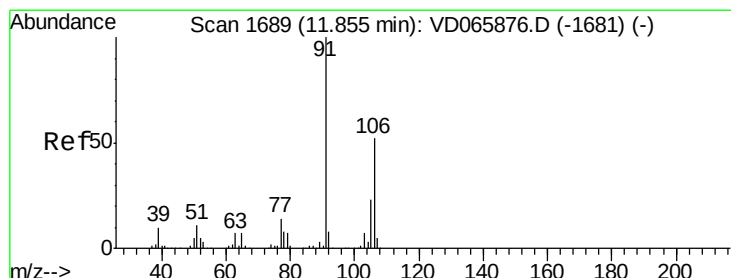
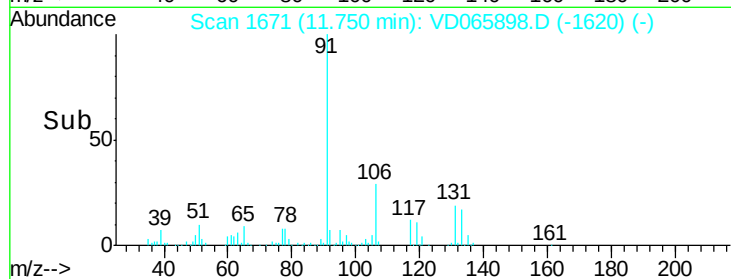
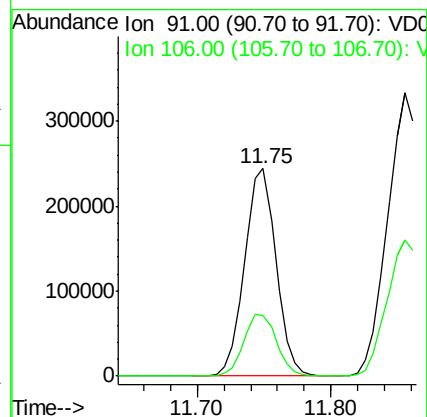
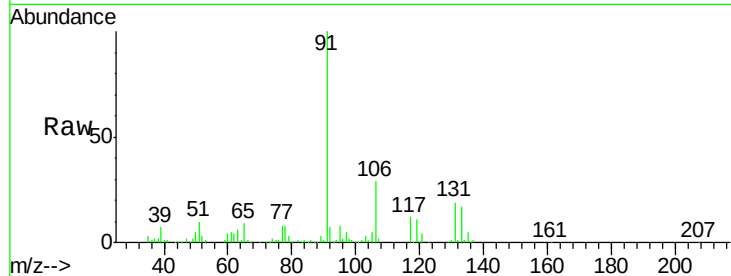
VSTDCCC050EC

Tot Ion: 91 Resp: 397701

Ion Ratio Lower Upper

91 100

106 29.5 25.3 37.9



#68

m/p-Xylenes

Concen: 96.583 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065898.D

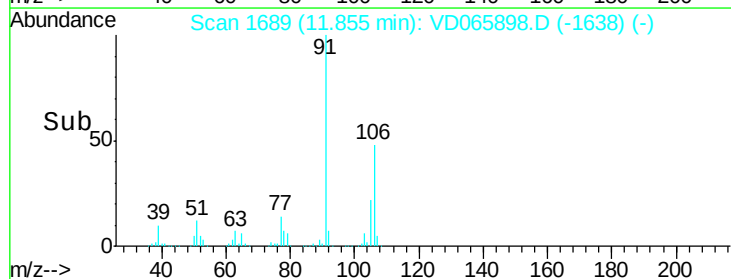
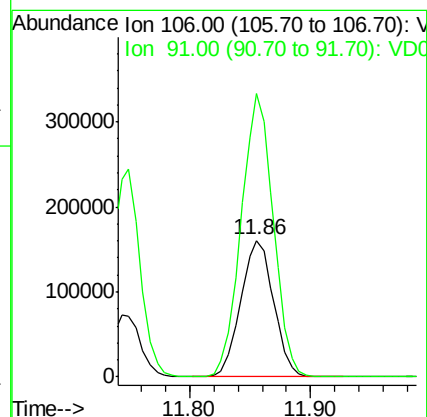
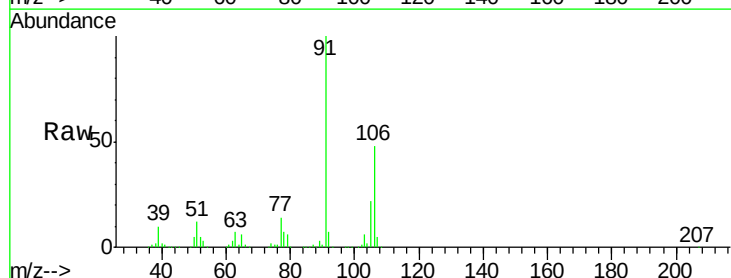
Acq: 29 Jun 2020 20:32

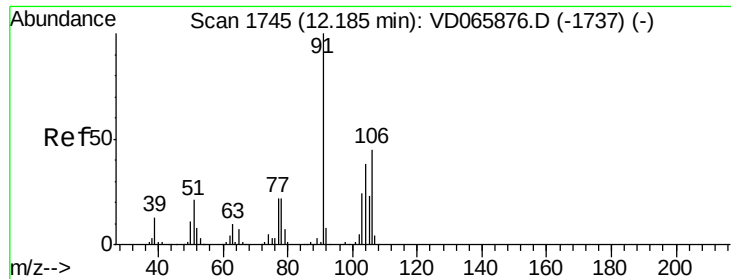
Tgt Ion: 106 Resp: 304324

Ion Ratio Lower Upper

106 100

91 202.5 159.5 239.3

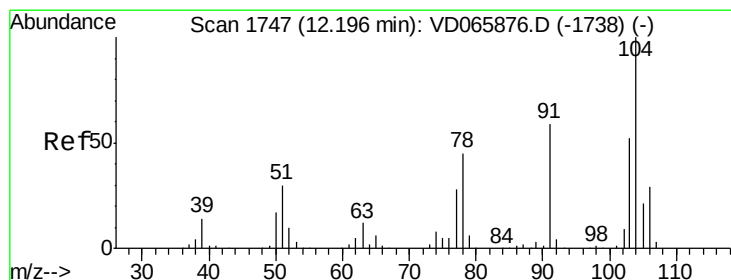
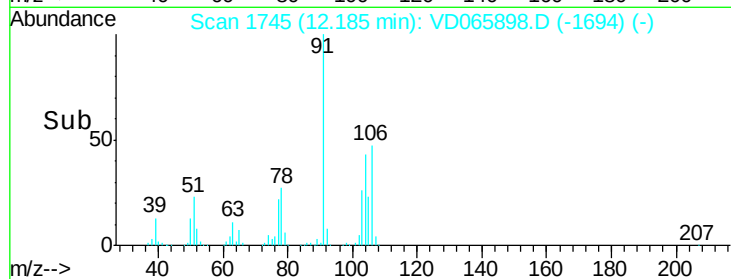
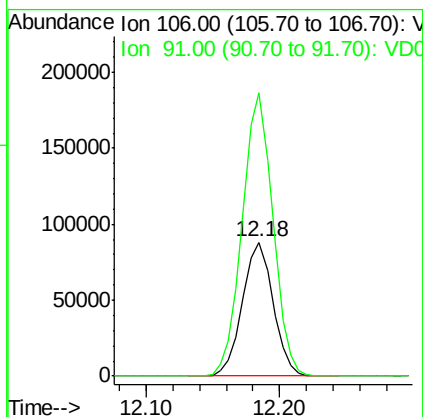
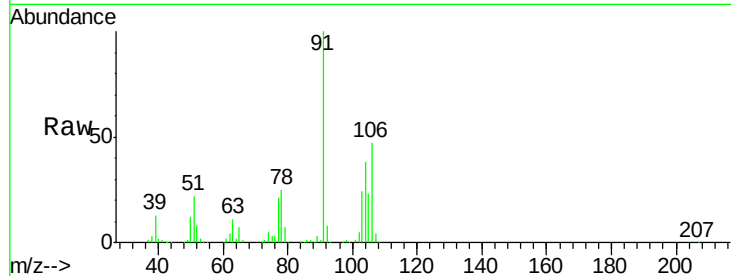




#69
o-Xylene
Concen: 49.653 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

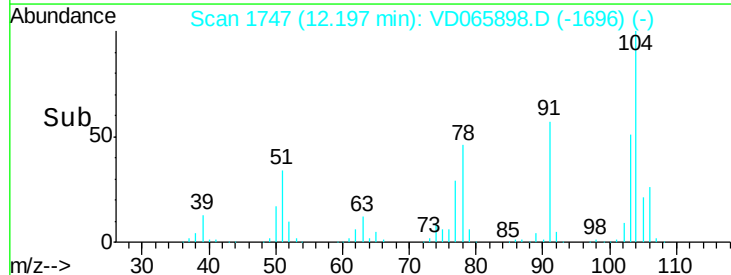
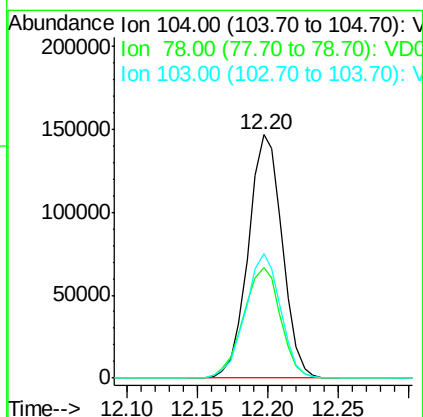
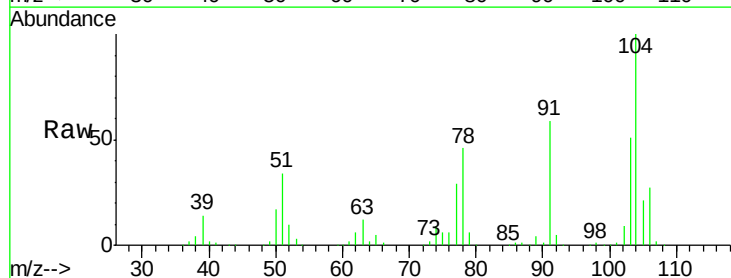
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

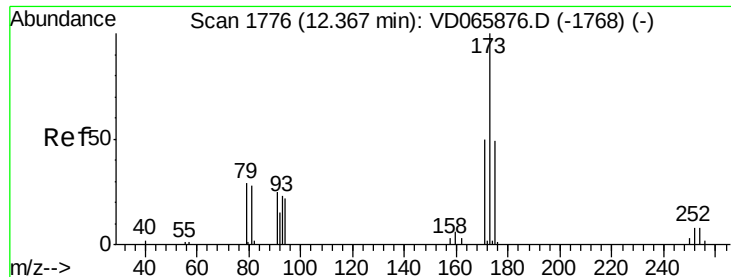
Tot Ion:106 Resp: 140593
Ion Ratio Lower Upper
106 100
91 210.3 107.5 322.6



#70
Styrene
Concen: 49.917 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion:104 Resp: 247144
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 53.3 44.6 66.8

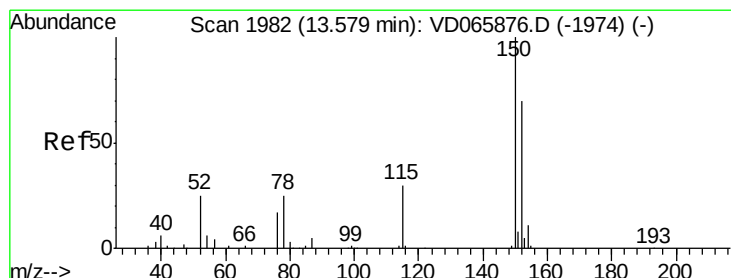
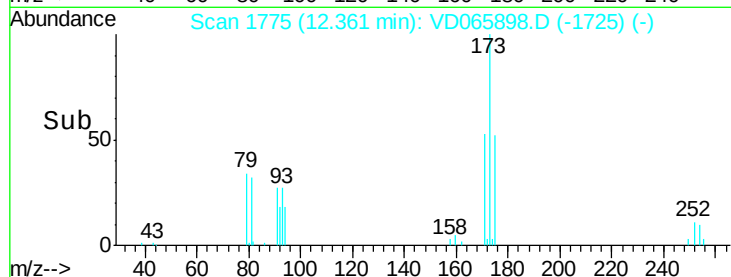
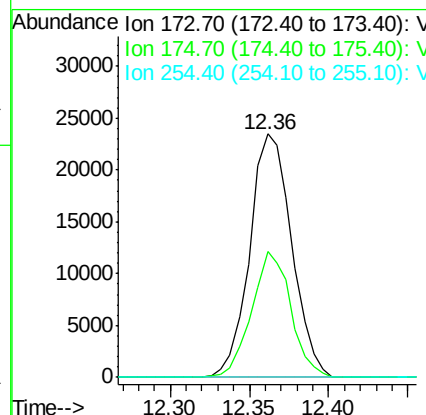
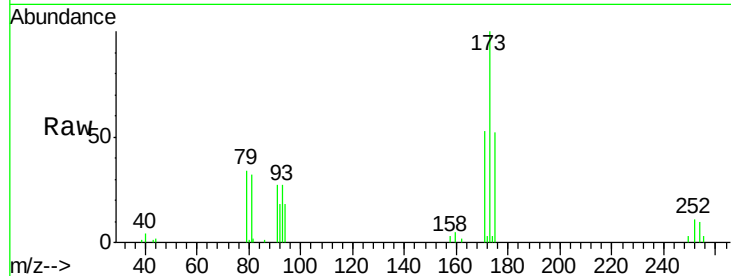




#71
Bromoform
Concen: 48.974 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

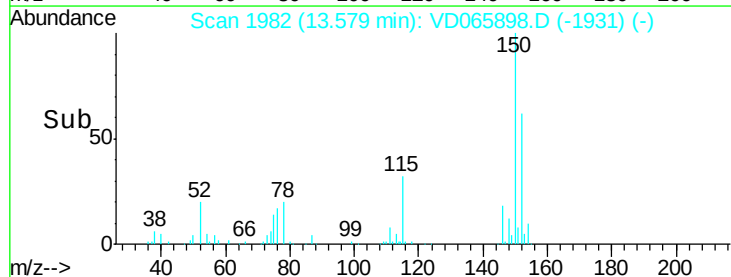
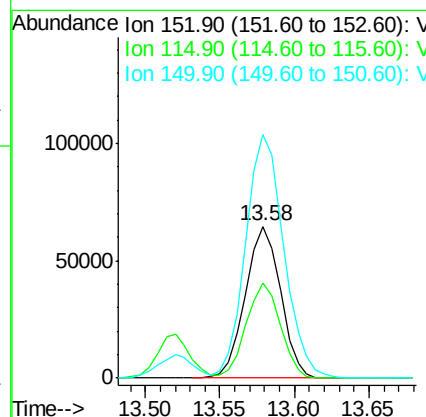
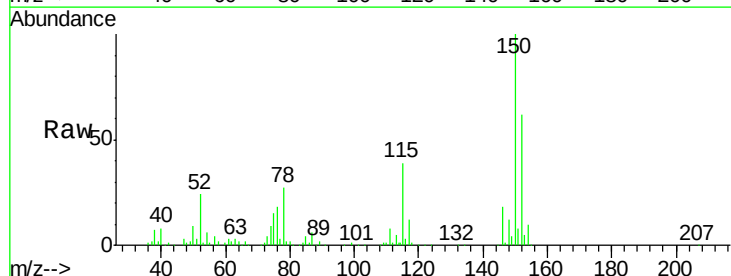
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

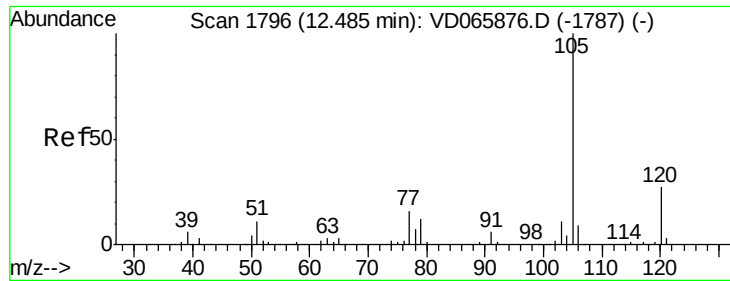
Tot Ion:173 Resp: 43172
Ion Ratio Lower Upper
173 100
175 48.2 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion:152 Resp: 105802
Ion Ratio Lower Upper
152 100
115 60.7 29.7 89.1
150 173.8 0.0 346.2





#73

Isopropylbenzene

Concen: 50.212 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

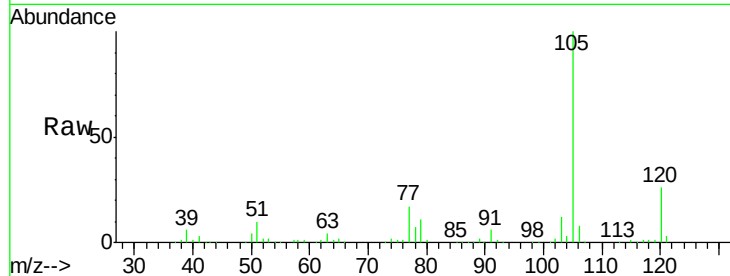
VSTDCCC050EC

Tot Ion:105 Resp: 380495

Ion Ratio Lower Upper

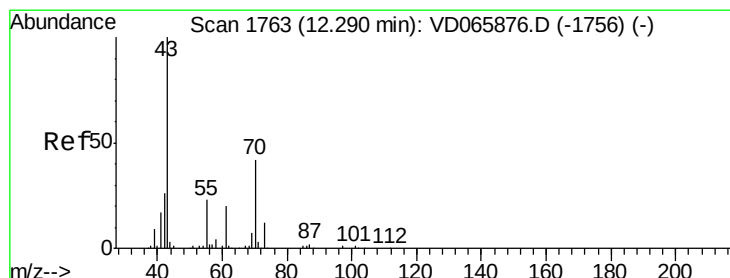
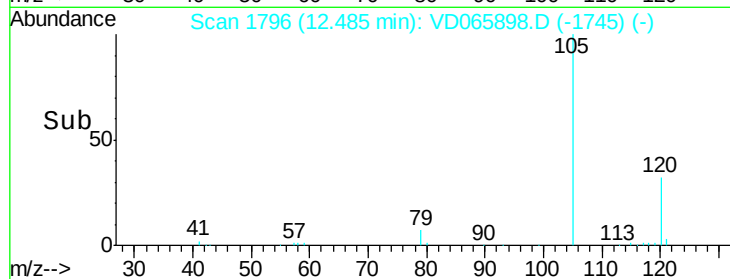
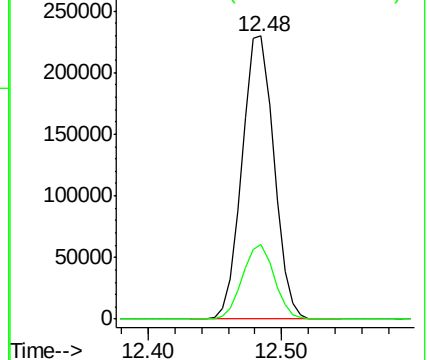
105 100

120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.311 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Tgt Ion: 43 Resp: 89255

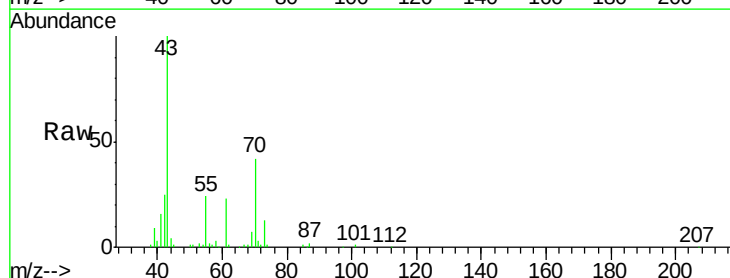
Ion Ratio Lower Upper

43 100

70 40.6 32.5 48.7

55 24.5 18.7 28.1

61 22.8 16.7 25.1

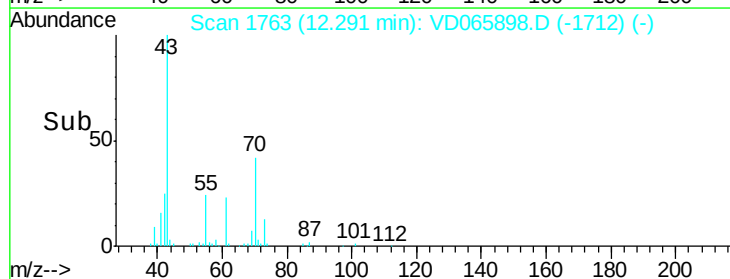
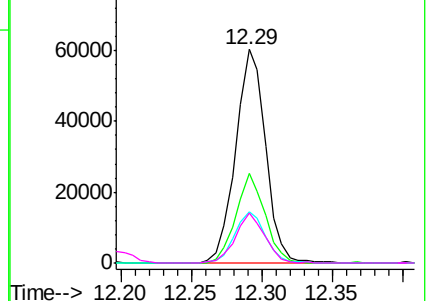


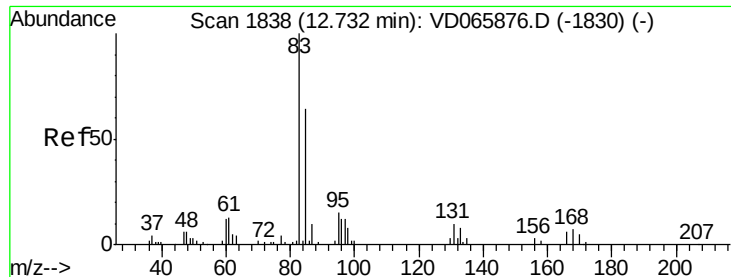
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.625 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

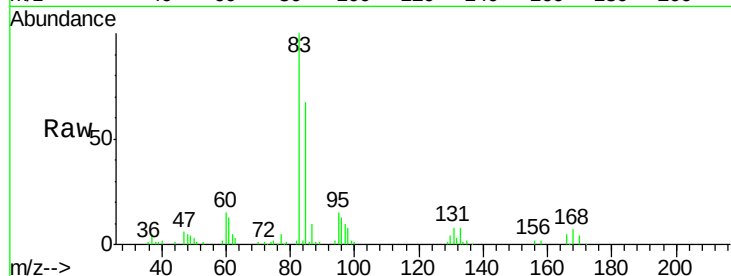
Tot Ion: 83 Resp: 65643

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.4

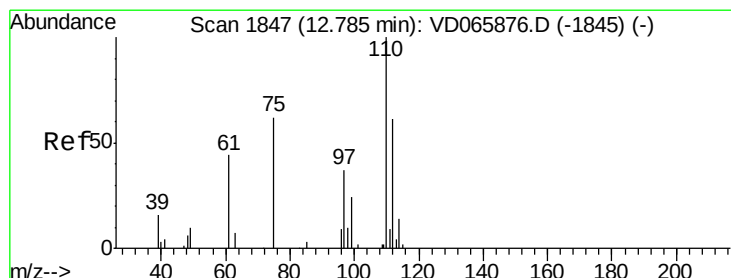
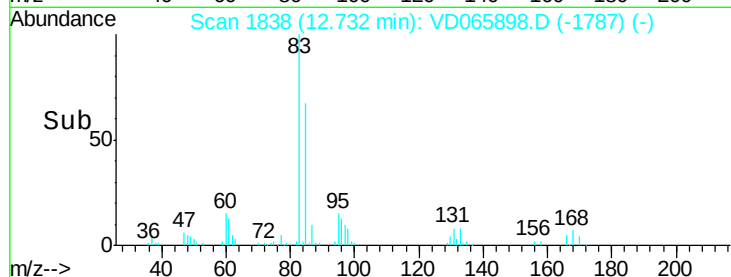
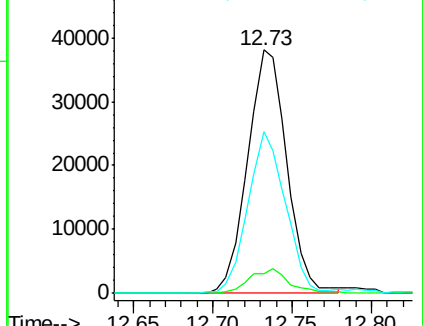
85 63.4 32.3 96.9



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: 48.616 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065898.D

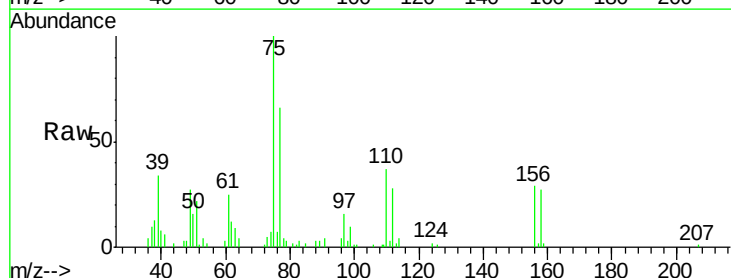
Acq: 29 Jun 2020 20:32

Tgt Ion: 75 Resp: 45008

Ion Ratio Lower Upper

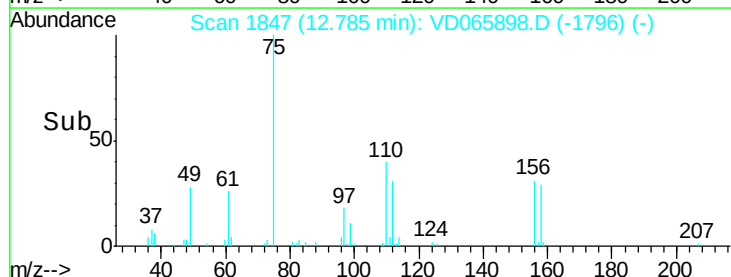
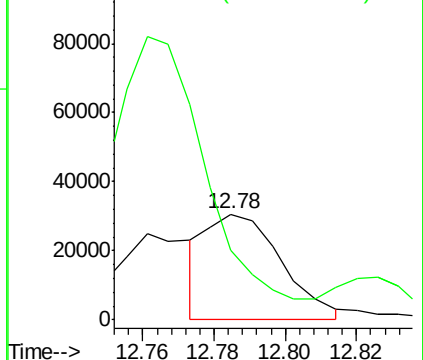
75 100

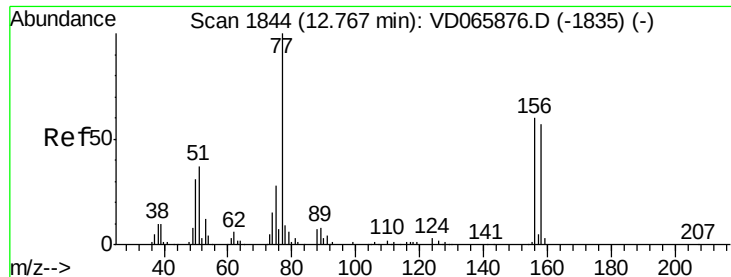
77 0.0 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.311 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

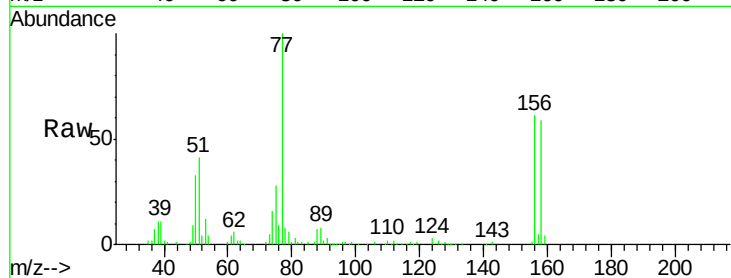
Tot Ion:156 Resp: 84013

Ion Ratio Lower Upper

156 100

77 189.5 90.5 271.5

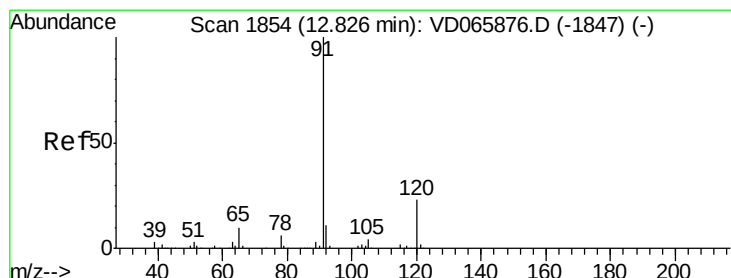
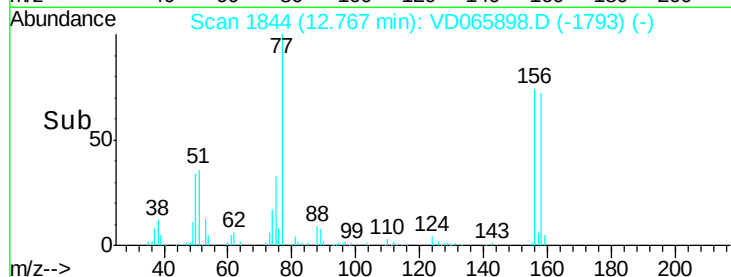
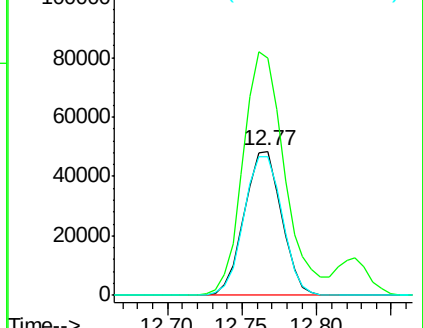
158 98.9 48.2 144.6



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: 50.515 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065898.D

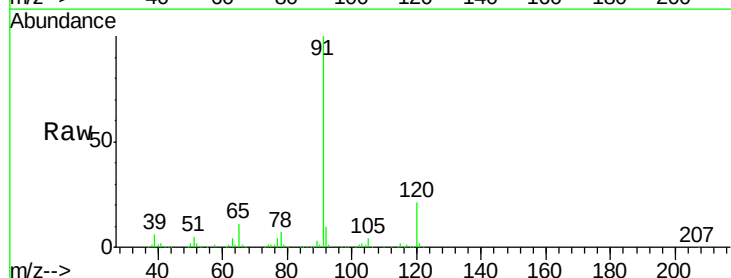
Acq: 29 Jun 2020 20:32

Tgt Ion: 91 Resp: 461171

Ion Ratio Lower Upper

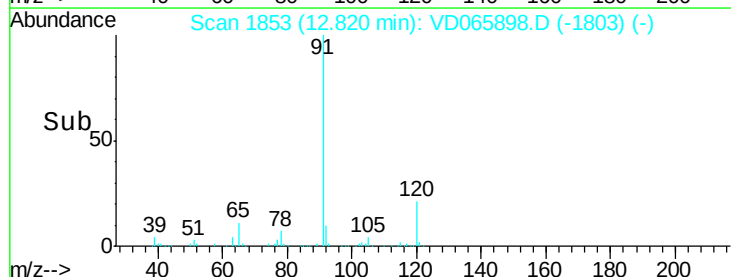
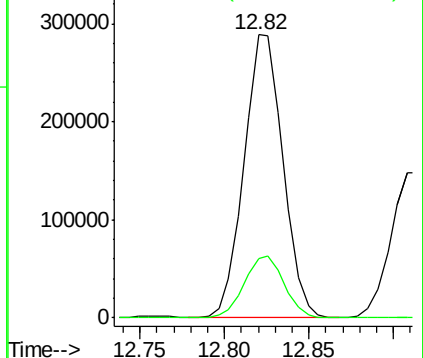
91 100

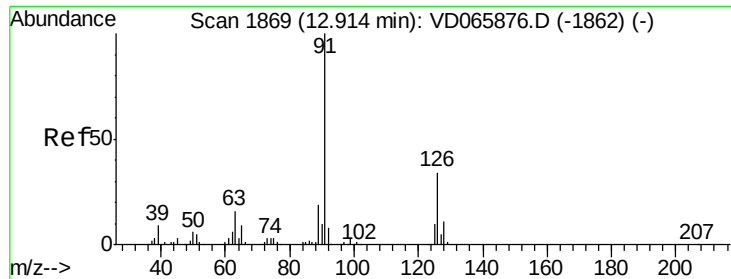
120 22.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.515 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065898.D

Acq: 29 Jun 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

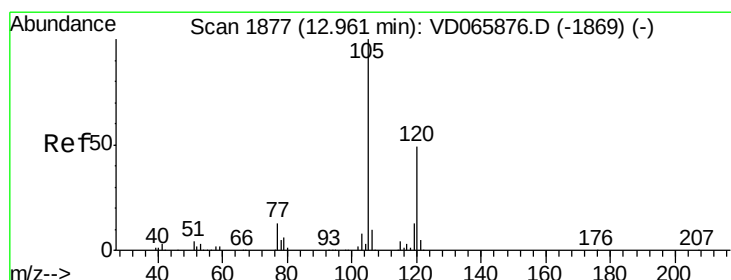
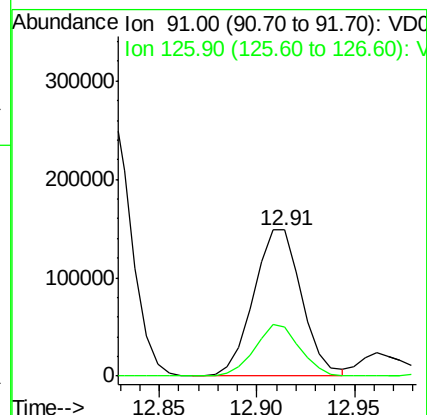
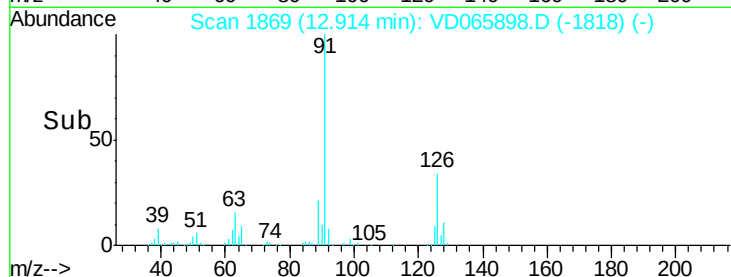
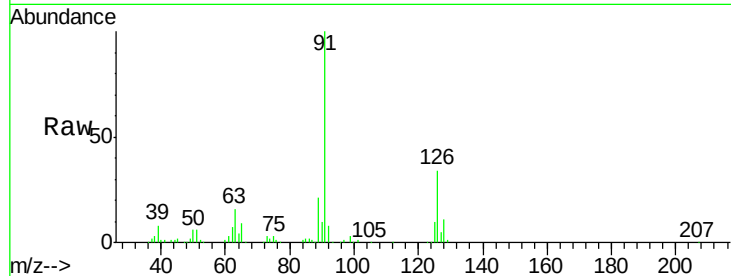
VSTDCCC050EC

Tot Ion: 91 Resp: 254016

Ion Ratio Lower Upper

91 100

126 33.4 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 50.966 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065898.D

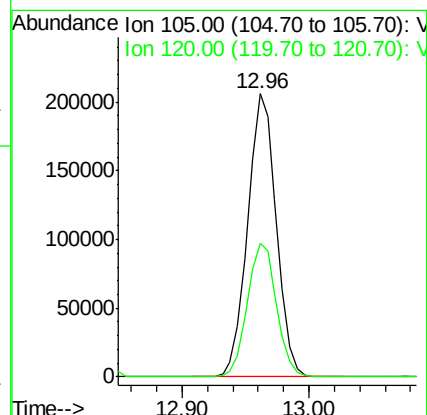
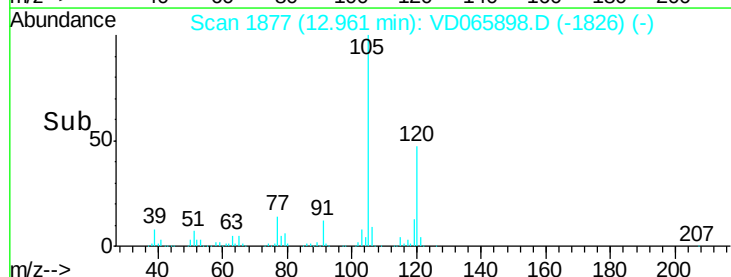
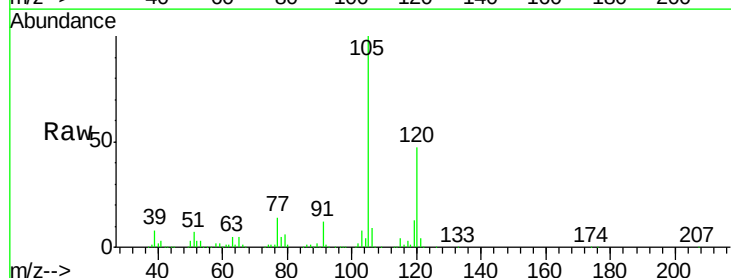
Acq: 29 Jun 2020 20:32

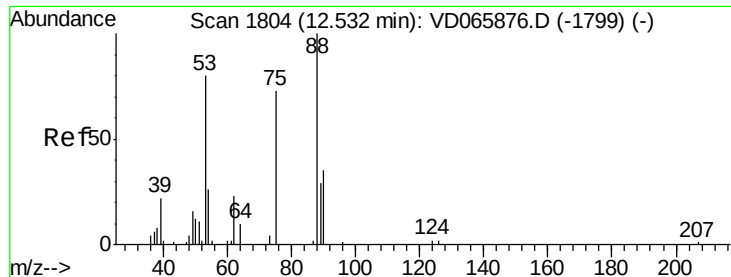
Tgt Ion: 105 Resp: 322859

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8

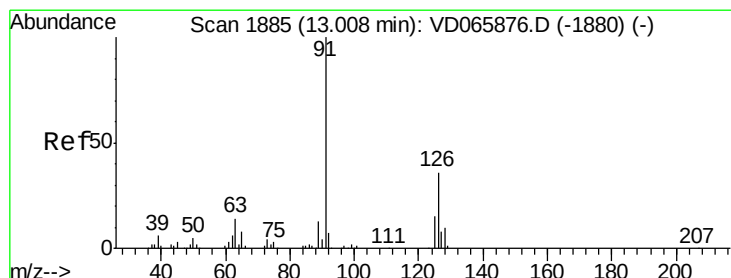
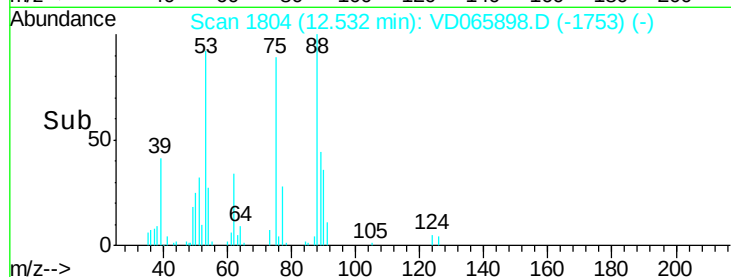
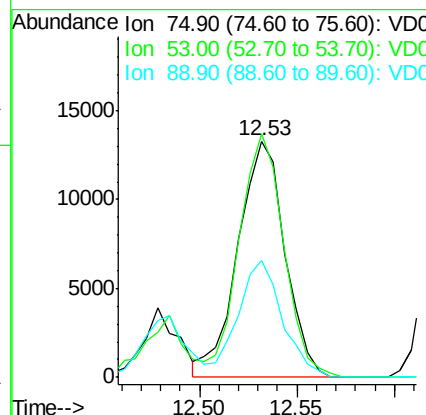
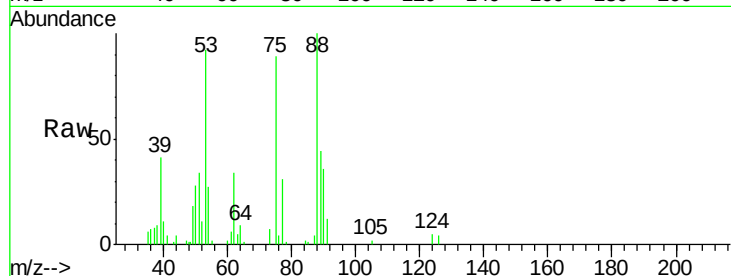




#81
trans-1,4-Dichloro-2-butene
Concen: 51.565 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

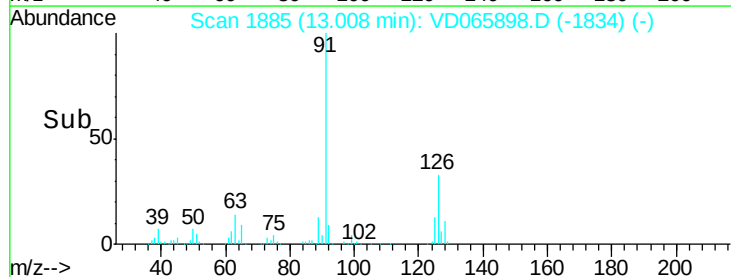
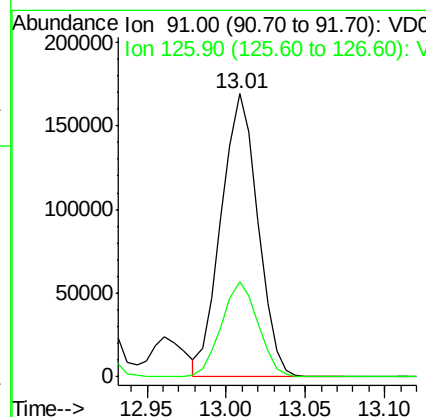
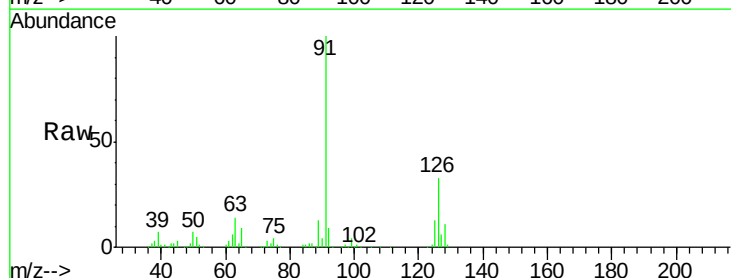
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

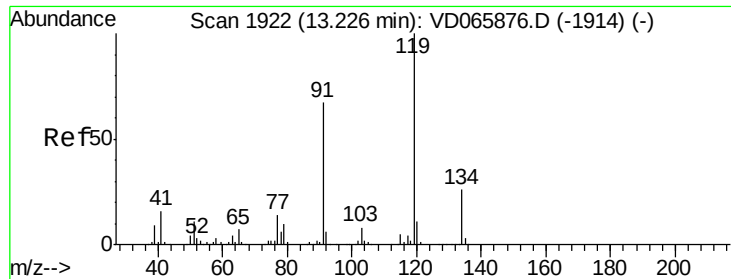
Tot Ion: 75 Resp: 22221
Ion Ratio Lower Upper
75 100
53 97.5 80.6 121.0
89 46.9 36.5 54.7



#82
4-Chlorotoluene
Concen: 50.653 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 91 Resp: 272195
Ion Ratio Lower Upper
91 100
126 33.8 16.6 49.8

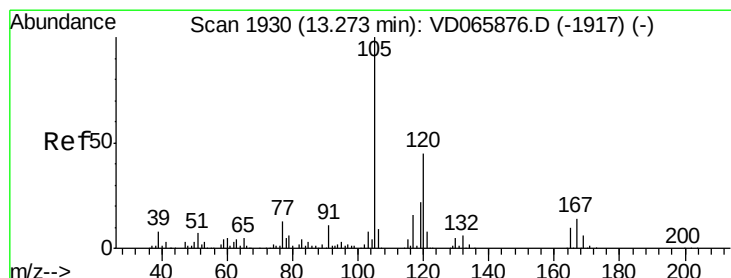
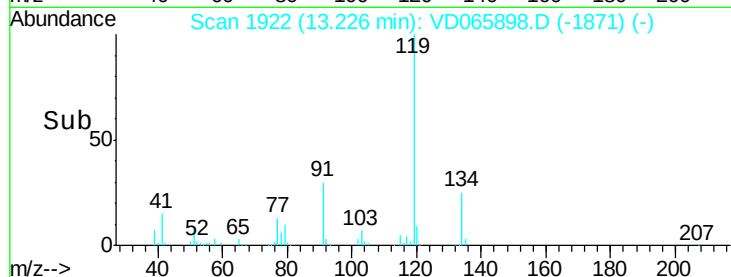
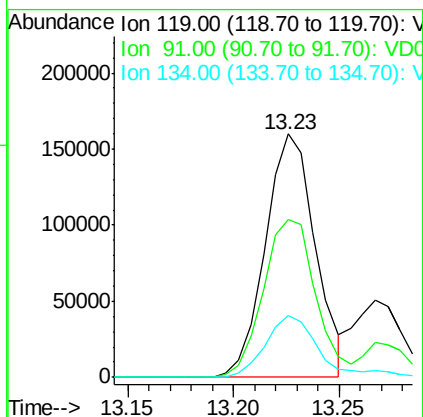
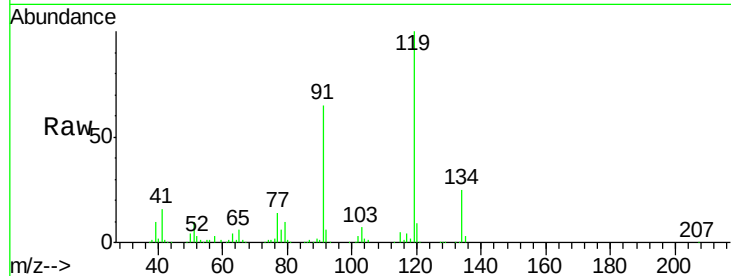




#83
 tert-Butylbenzene
 Concen: 49.359 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

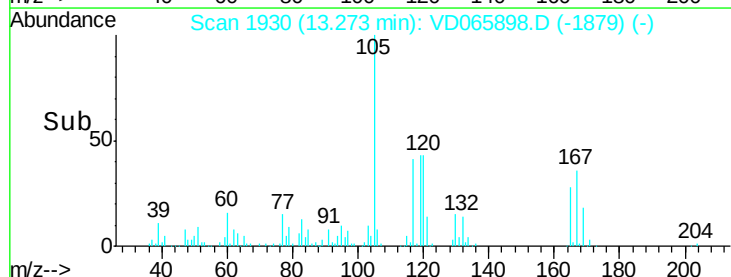
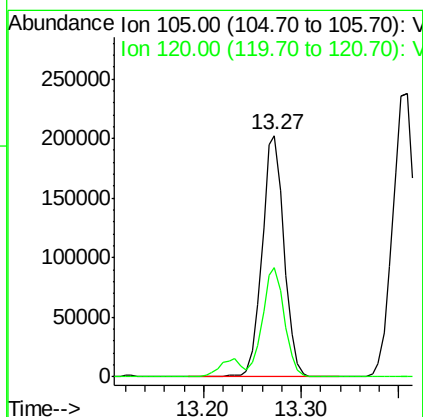
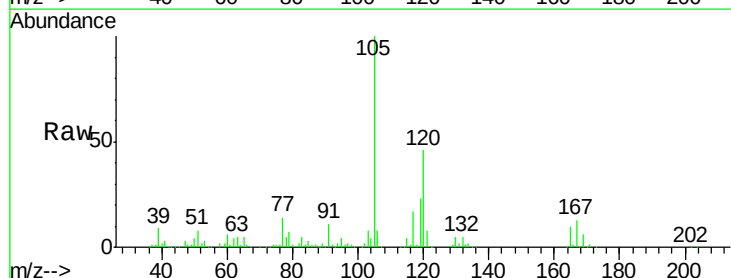
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

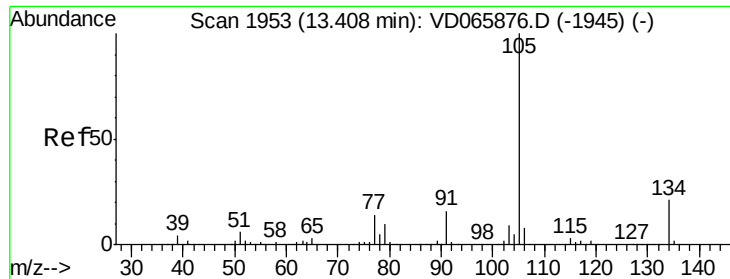
Tot Ion:119 Resp: 263137
 Ion Ratio Lower Upper
 119 100
 91 68.0 32.2 96.6
 134 27.5 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.460 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion:105 Resp: 321126
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.0 69.0

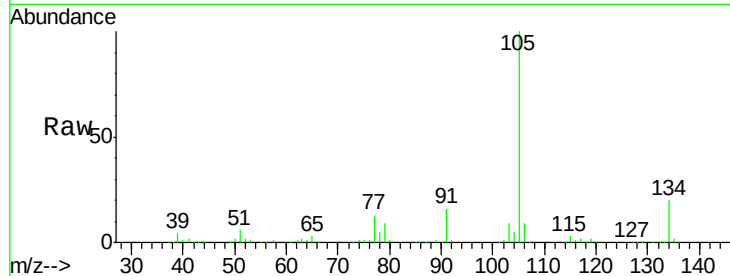




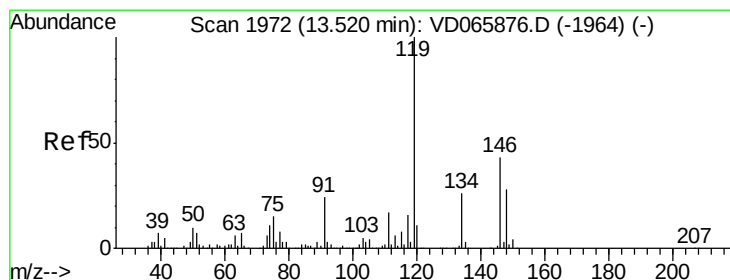
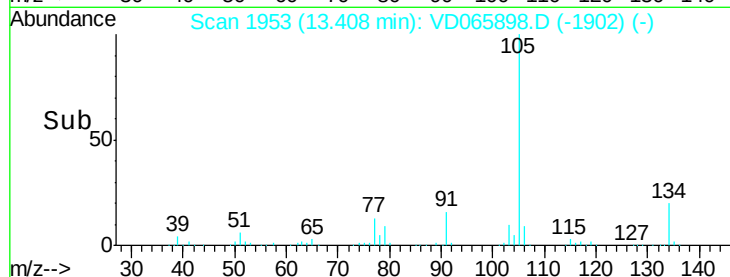
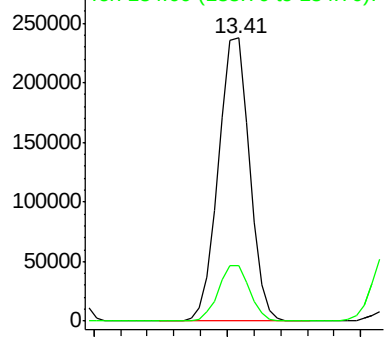
#85
 sec-Butylbenzene
 Concen: 50.151 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 381006
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8

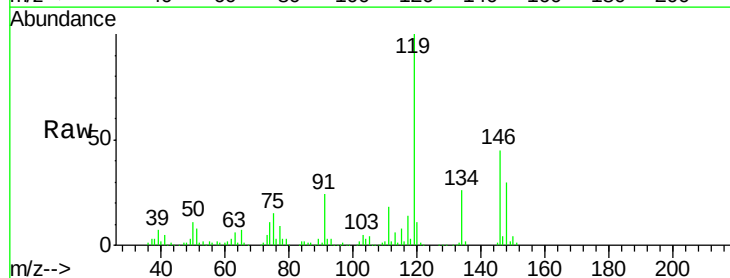


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

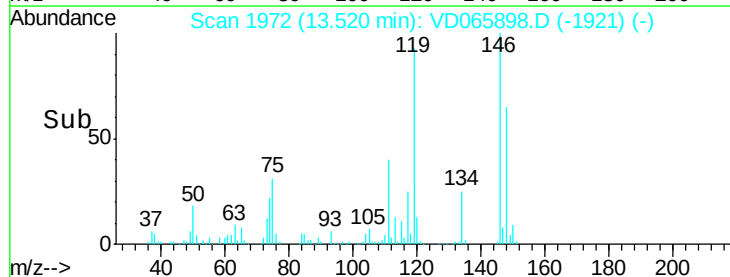
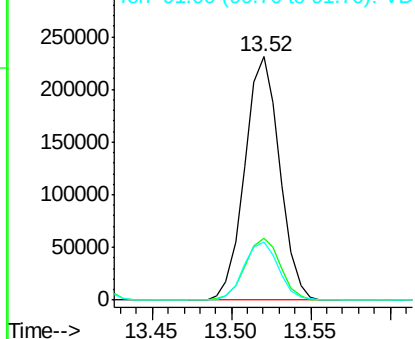


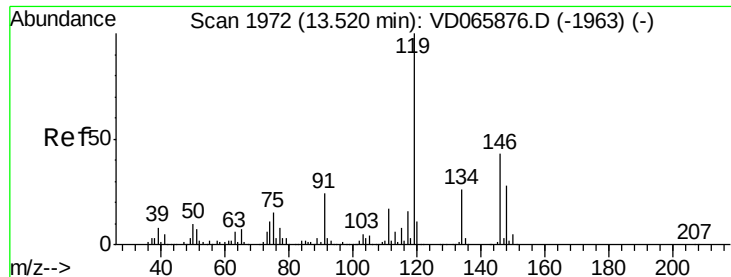
#86
 p-Isopropyltoluene
 Concen: 51.113 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion:119 Resp: 352707
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.4 40.1
 91 23.9 12.0 36.1



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

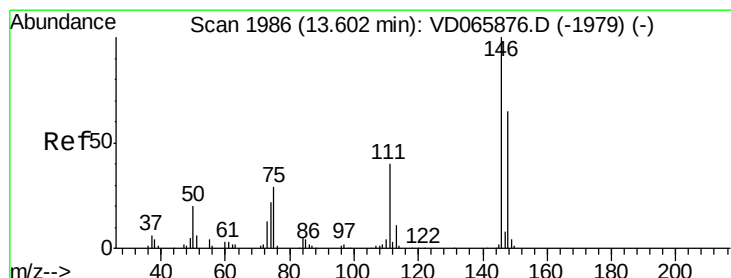
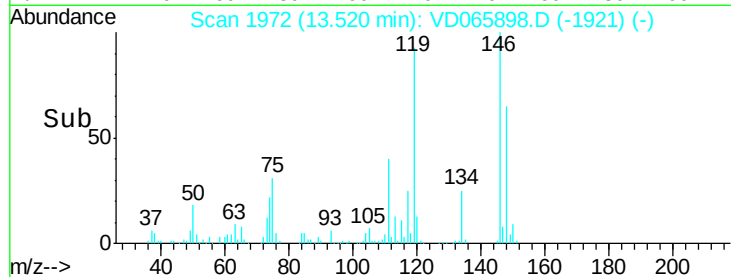
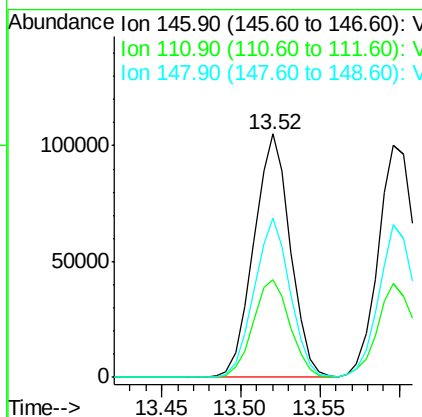
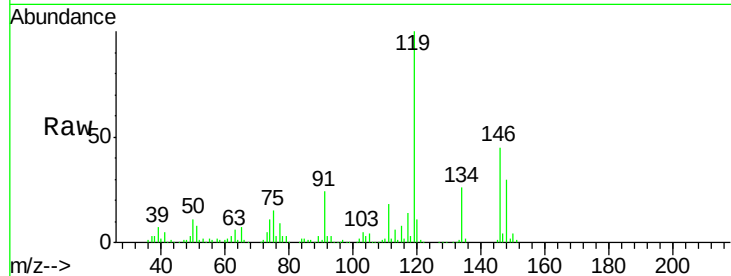




#87
 1,3-Dichlorobenzene
 Concen: 50.922 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

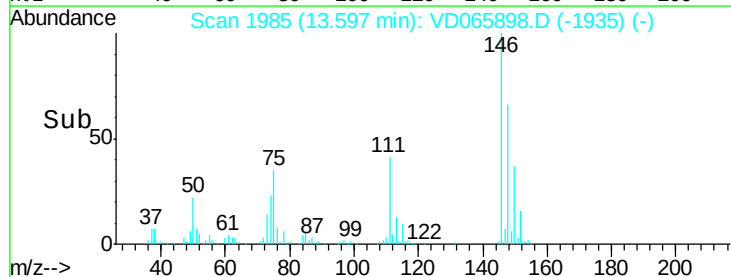
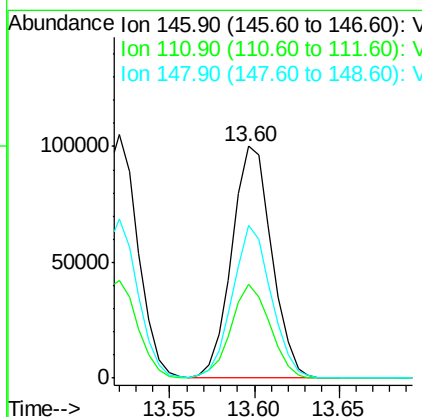
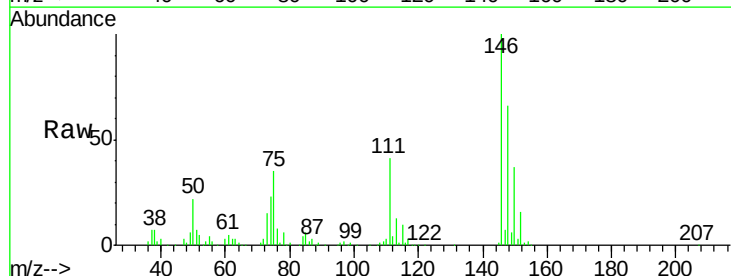
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

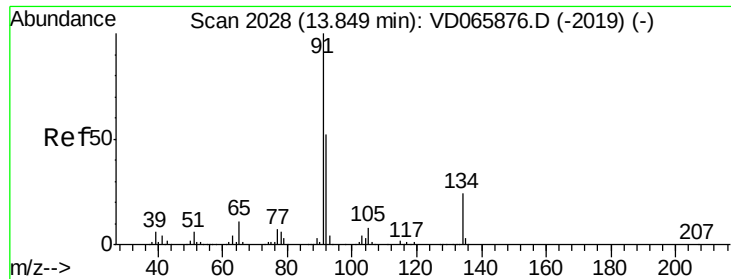
Tot Ion:146 Resp: 168559
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.4 58.4
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.453 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion:146 Resp: 164691
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 64.0 32.5 97.4

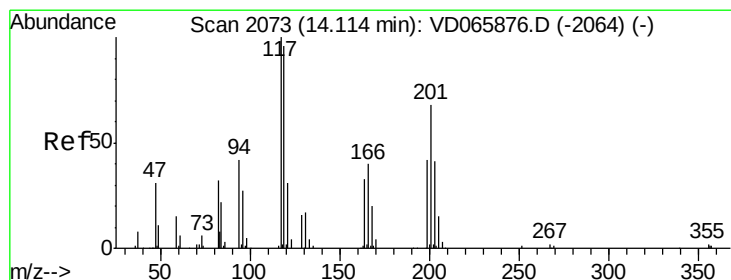
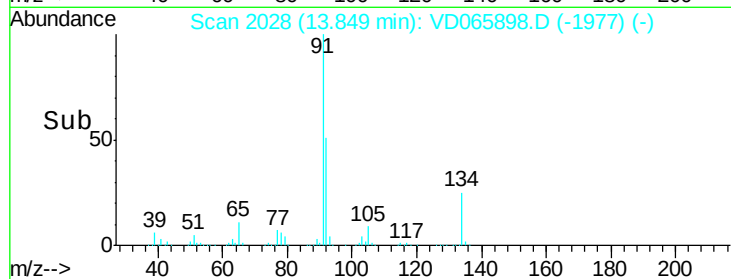
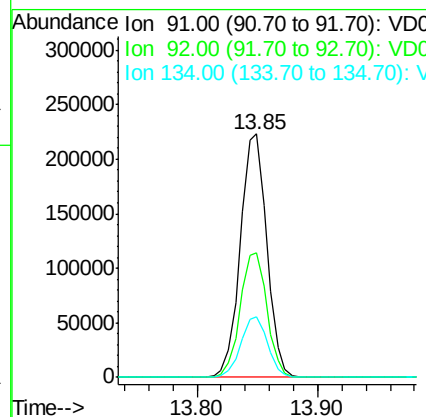
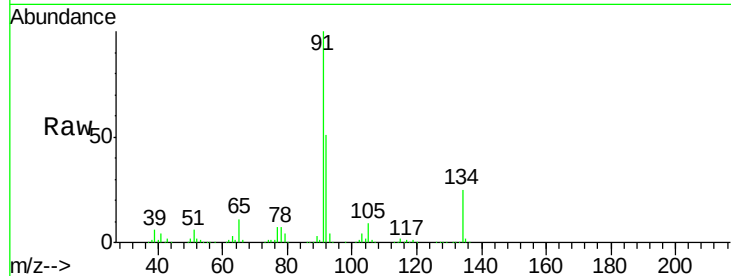




#89
n-Butylbenzene
Concen: 50.799 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

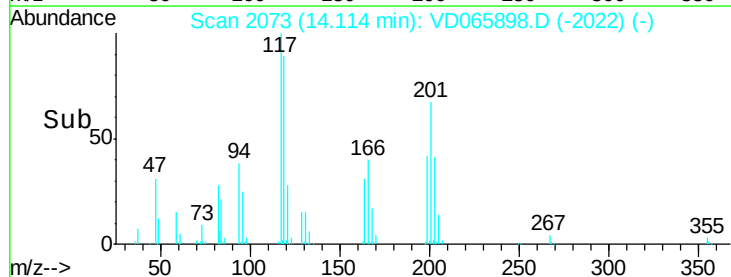
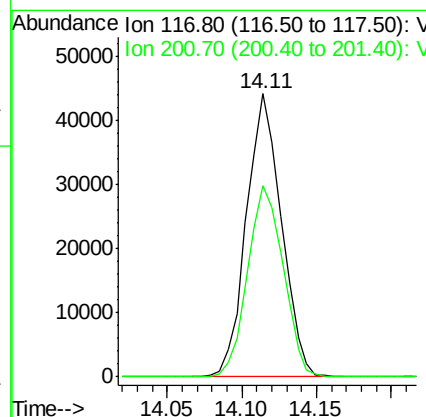
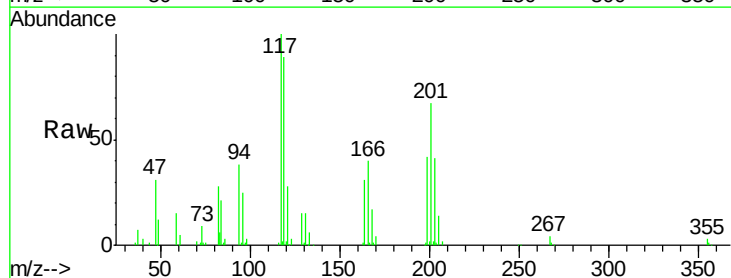
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

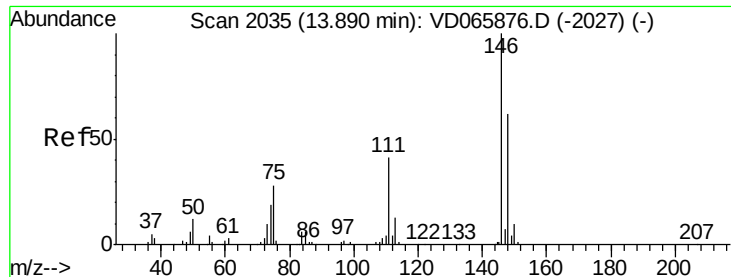
Tot Ion: 91 Resp: 341818
Ion Ratio Lower Upper
91 100
92 52.0 26.5 79.4
134 25.2 12.4 37.2



#90
Hexachloroethane
Concen: 50.860 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion: 117 Resp: 71622
Ion Ratio Lower Upper
117 100
201 68.5 35.1 105.5

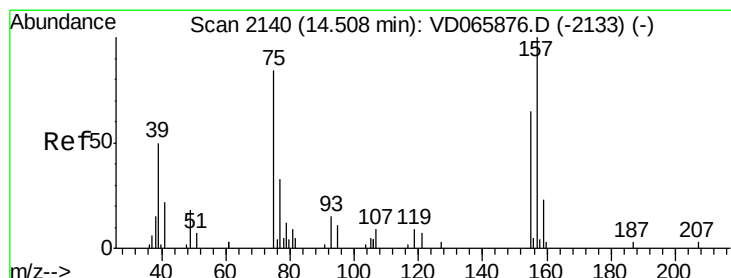
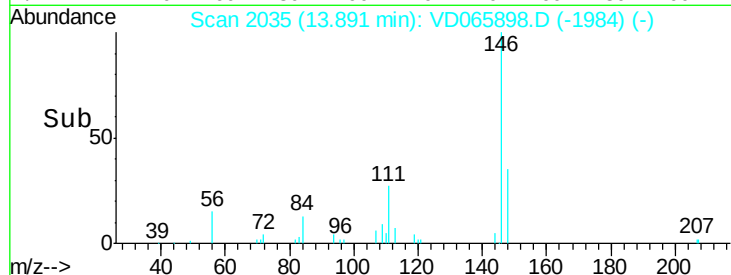
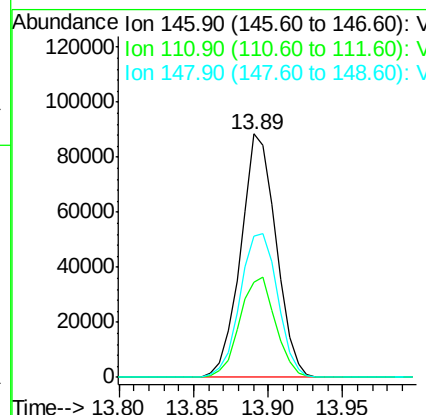
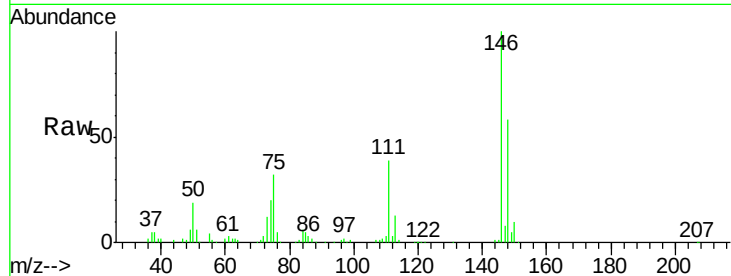




#91
 1,2-Dichlorobenzene
 Concen: 50.058 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

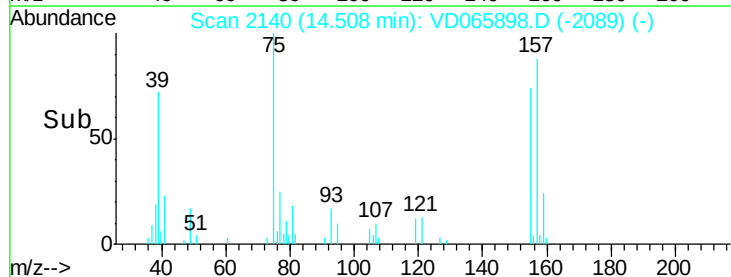
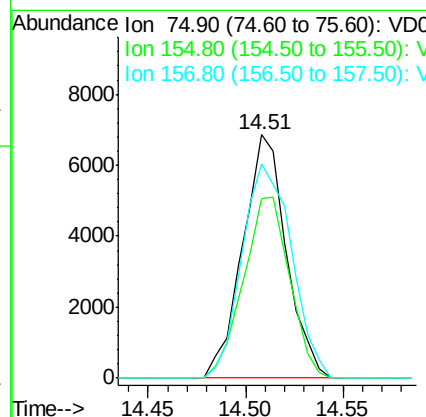
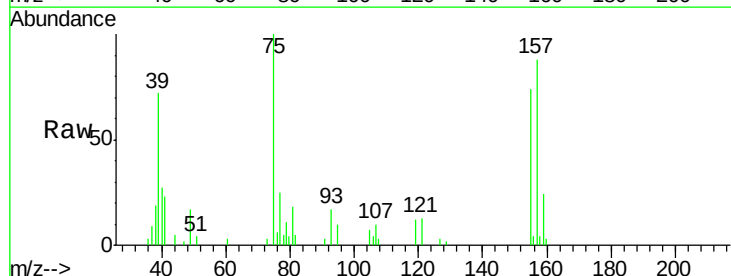
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

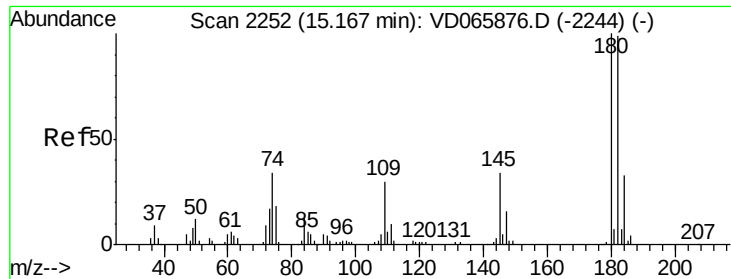
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	62.9	31.4	94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.854 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.8	113.3
157	100.2	50.6	151.8

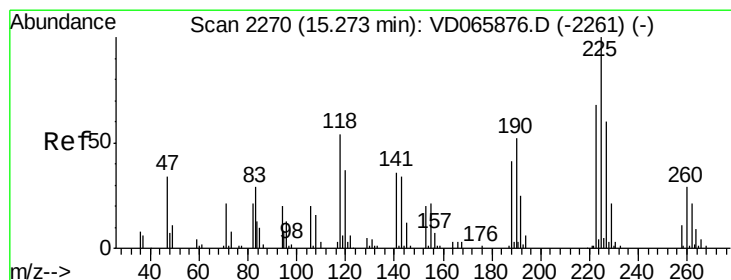
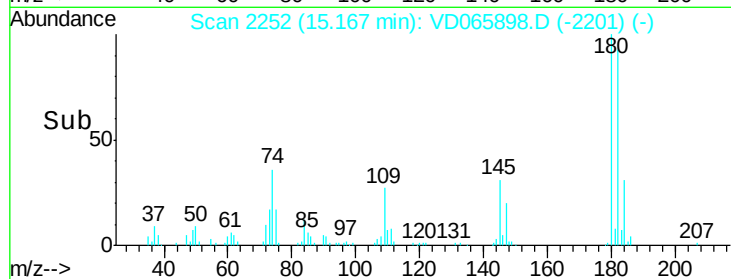
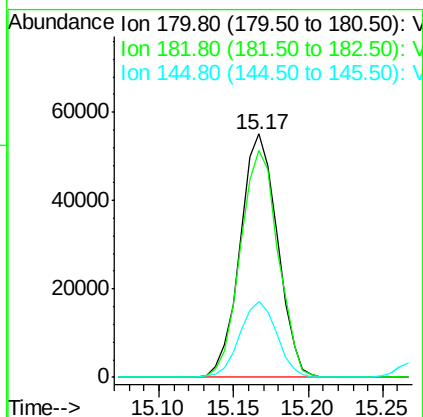
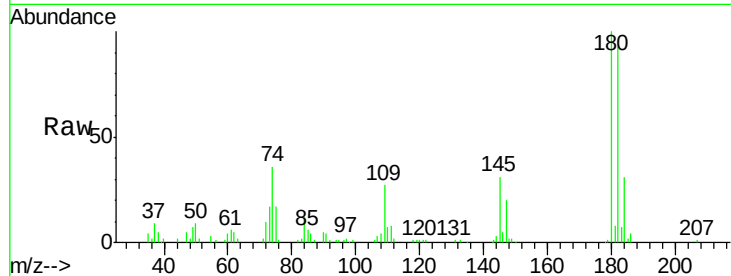




#93
 1,2,4-Trichlorobenzene
 Concen: 51.886 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

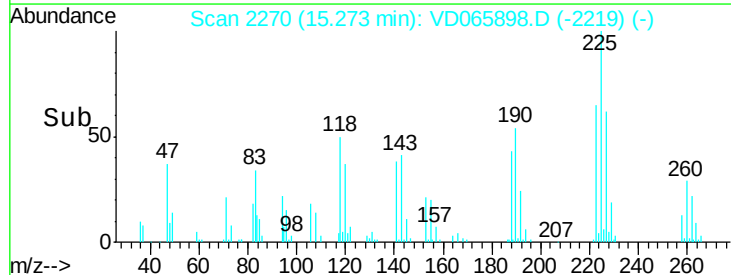
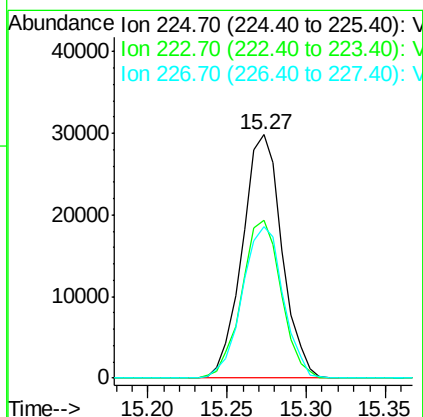
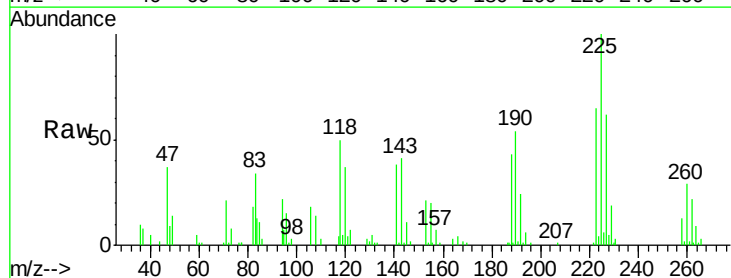
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

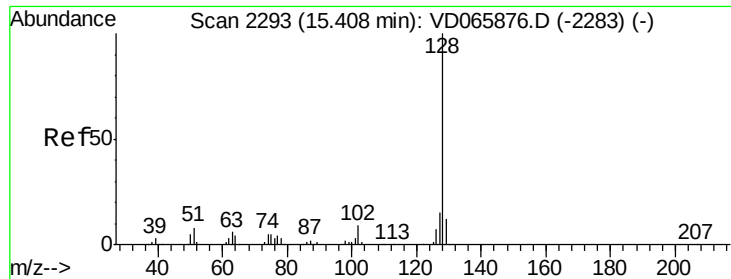
Tot Ion:180 Resp: 95387
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.7 143.1
 145 30.8 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 49.451 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065898.D
 Acq: 29 Jun 2020 20:32

Tgt Ion:225 Resp: 51853
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.3 93.8
 227 64.1 30.1 90.3

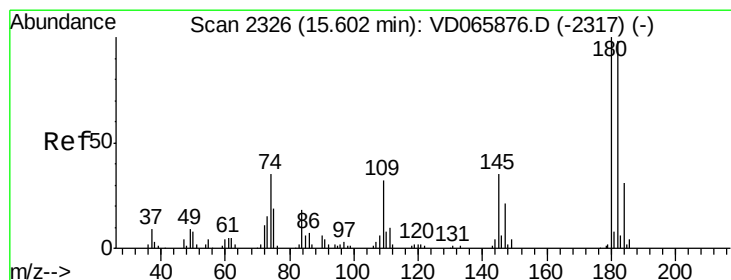
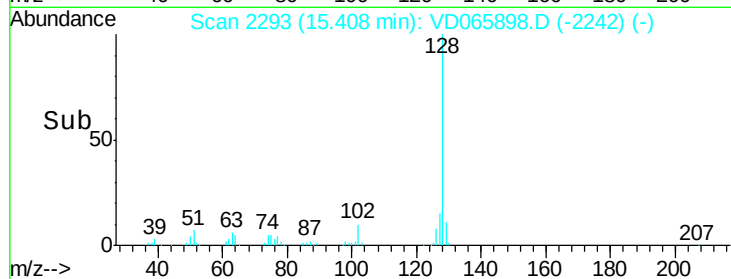
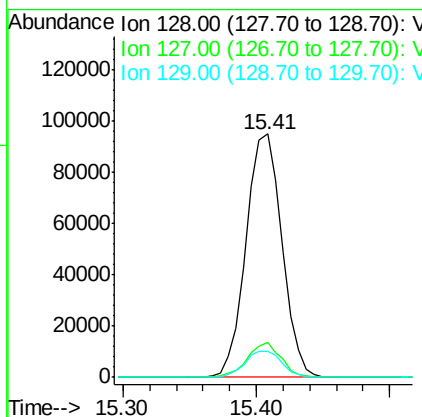
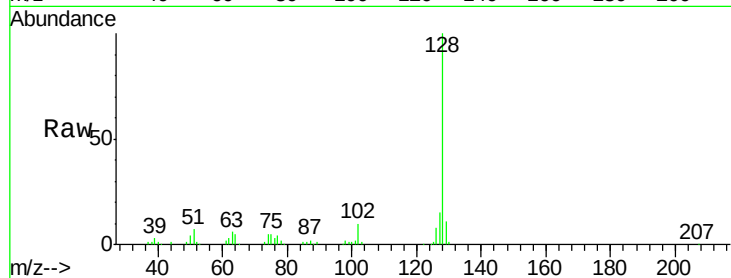




#95
Naphthalene
Concen: 53.267 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 175817
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 54.162 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065898.D
Acq: 29 Jun 2020 20:32

Tgt Ion:180 Resp: 83088
Ion Ratio Lower Upper
180 100
182 92.0 48.9 146.6
145 33.2 16.6 49.7

