

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066948.D
 Acq On : 29 Sep 2020 19:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 30 02:38:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	396630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	585148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187981	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.91	113	194495	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.34	98	693465	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.63	95	242158	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136762	49.378	ug/l	97
3) Chloromethane	2.21	50	150144	41.201	ug/l	94
4) Vinyl Chloride	2.35	62	152056	42.235	ug/l	97
5) Bromomethane	2.77	94	115904	45.802	ug/l	99
6) Chloroethane	2.92	64	100892	45.127	ug/l	95
7) Trichlorofluoromethane	3.27	101	353547	47.816	ug/l	97
8) Diethyl Ether	3.71	74	105777	56.351	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210907	49.192	ug/l	98
10) Methyl Iodide	4.30	142	204850	54.144	ug/l	97
11) Tert butyl alcohol	5.22	59	71335	316.985	ug/l	96
12) 1,1-Dichloroethene	4.06	96	194301	50.027	ug/l	97
13) Acrolein	3.92	56	72485	253.110	ug/l	95
14) Allyl chloride	4.71	41	292556	51.297	ug/l	97
15) Acrylonitrile	5.42	53	234987	282.484	ug/l	98
16) Acetone	4.16	43	177236	215.218	ug/l	100
17) Carbon Disulfide	4.41	76	558280	47.017	ug/l	100
18) Methyl Acetate	4.72	43	109253	60.199	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	490713	58.179	ug/l	96
20) Methylene Chloride	4.96	84	252683	57.756	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	239501	53.256	ug/l	95
22) Diisopropyl ether	6.36	45	641981	54.747	ug/l	98
23) Vinyl Acetate	6.30	43	1699956	266.833	ug/l	97
24) 1,1-Dichloroethane	6.27	63	407746	51.977	ug/l	97
25) 2-Butanone	7.21	43	272818	275.672	ug/l	98
26) 2,2-Dichloropropane	7.21	77	334237	46.486	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	273249	55.922	ug/l	97
28) Bromochloromethane	7.54	49	173596	53.565	ug/l #	94
29) Tetrahydrofuran	7.56	42	178679	281.776	ug/l	97
30) Chloroform	7.71	83	449887	53.203	ug/l	99
31) Cyclohexane	7.99	56	325200	46.072	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396479	51.831	ug/l	99
36) 1,1-Dichloropropene	8.11	75	323877	51.921	ug/l	98
37) Ethyl Acetate	7.29	43	125563	55.680	ug/l	95
38) Carbon Tetrachloride	8.10	117	352439	51.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	378913	52.906	ug/l	98
40) Benzene	8.35	78	944605	54.334	ug/l	98
41) Methacrylonitrile	7.56	41	178466	128.690	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	272990	53.117	ug/l	99
43) Isopropyl Acetate	8.45	43	245306	56.423	ug/l	99
44) Trichloroethene	9.11	130	272073	54.905	ug/l	97
45) 1,2-Dichloropropane	9.38	63	235407	53.819	ug/l	99
46) Dibromomethane	9.47	93	134475	56.584	ug/l	96
47) Bromodichloromethane	9.66	83	352121	55.155	ug/l #	98
48) Methyl methacrylate	9.45	41	128599	59.993	ug/l	93
49) 1,4-Dioxane	9.46	88	32936	1247.778	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	632168	286.961	ug/l	98
52) Toluene	10.40	92	622357	55.576	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	310687	57.177	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	370144	55.865	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	184067	56.340	ug/l	97
56) Ethyl methacrylate	10.66	69	217847	62.243	ug/l	97
57) 1,3-Dichloropropane	10.94	76	305532	56.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	415995	251.022	ug/l	97
59) 2-Hexanone	10.98	43	432491	291.116	ug/l	96
60) Dibromochloromethane	11.14	129	245971	57.686	ug/l	99
61) 1,2-Dibromoethane	11.24	107	181361	59.682	ug/l	99
64) Tetrachloroethene	10.87	164	235177	55.874	ug/l	99
65) Chlorobenzene	11.67	112	667440	54.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	257847	55.933	ug/l	98
67) Ethyl Benzene	11.74	91	1187611	55.516	ug/l	100
68) m/p-Xylenes	11.85	106	923736	114.050	ug/l	98
69) o-Xylene	12.18	106	425245	58.064	ug/l	98
70) Styrene	12.20	104	738928	58.098	ug/l	100
71) Bromoform	12.36	173	136562	58.508	ug/l #	99
73) Isopropylbenzene	12.48	105	1151147	56.104	ug/l	99
74) N-amyl acetate	12.29	43	224257	55.968	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	196929	55.621	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	250634	106.480	ug/l #	100
77) Bromobenzene	12.76	156	270663	56.403	ug/l	95
78) n-propylbenzene	12.82	91	1336464	54.142	ug/l	99
79) 2-Chlorotoluene	12.91	91	761257	54.119	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	968242	55.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55016	58.478	ug/l	96
82) 4-Chlorotoluene	13.01	91	808381	54.517	ug/l	99
83) tert-Butylbenzene	13.23	119	803898	56.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	976263	56.549	ug/l	99
85) sec-Butylbenzene	13.40	105	1137577	55.296	ug/l	100
86) p-Isopropyltoluene	13.52	119	1049891	56.617	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	525760	55.456	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	507875	53.936	ug/l	98
89) n-Butylbenzene	13.85	91	956303	54.256	ug/l	99
90) Hexachloroethane	14.11	117	201989	53.653	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	455612	56.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31650	55.571	ug/l	92

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
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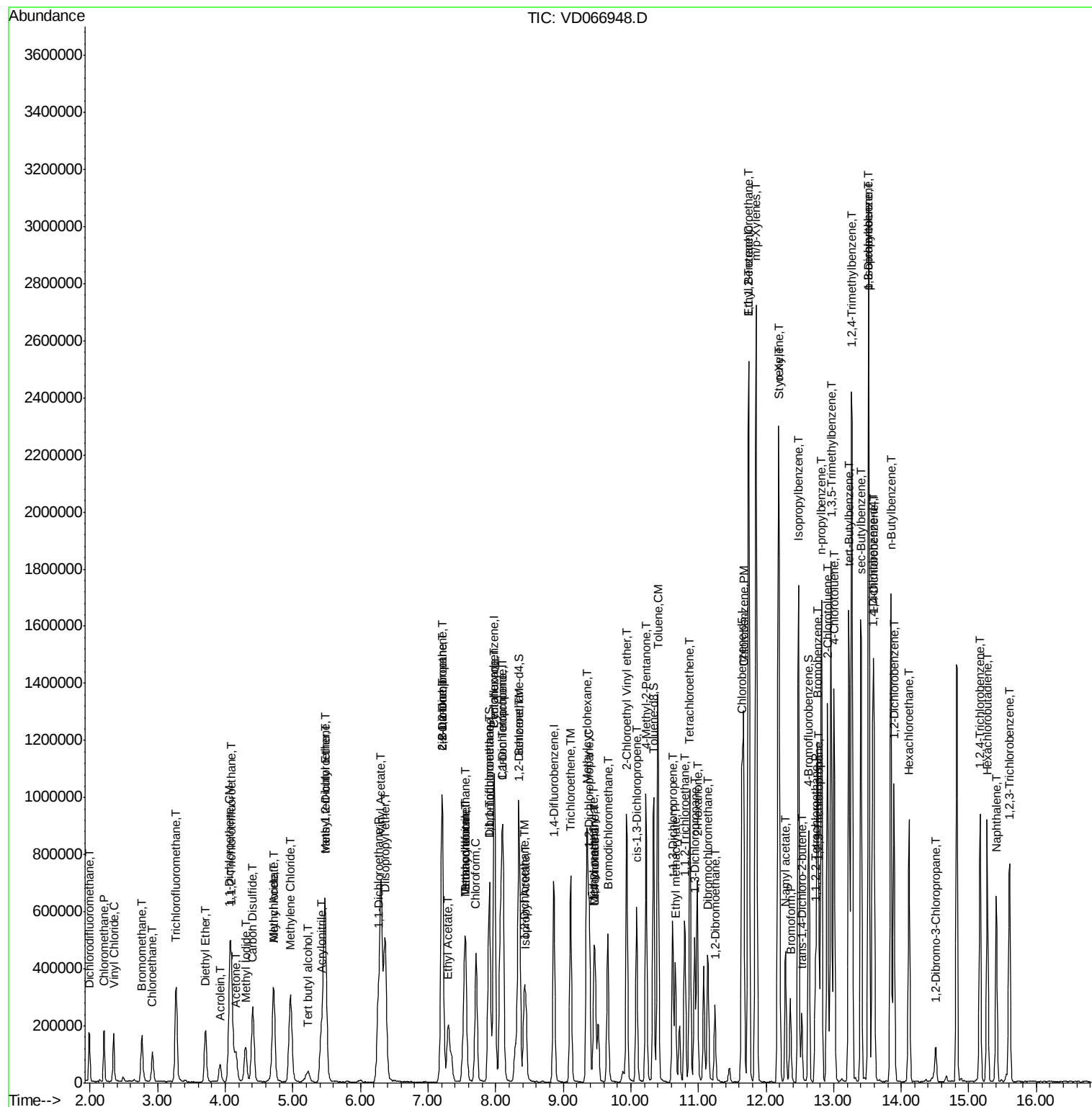
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	306680	60.062	ug/l	97
94) Hexachlorobutadiene	15.27	225	170739	55.802	ug/l	99
95) Naphthalene	15.41	128	557085	64.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	269997	61.265	ug/l	98

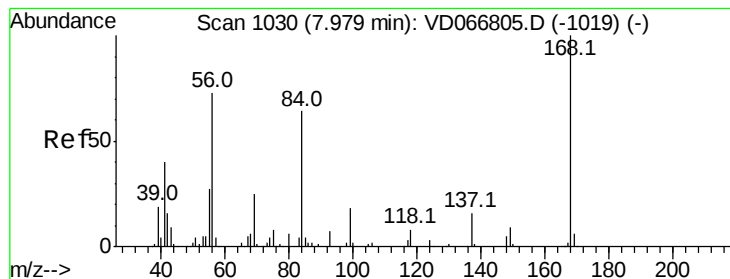
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

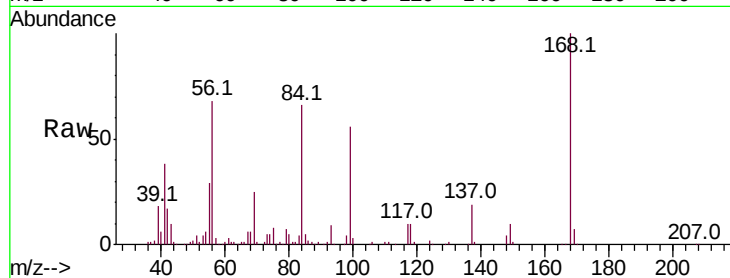
VSTDCCC050EC

Tot Ion:168 Resp: 396630

Ion Ratio Lower Upper

168 100

99 55.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

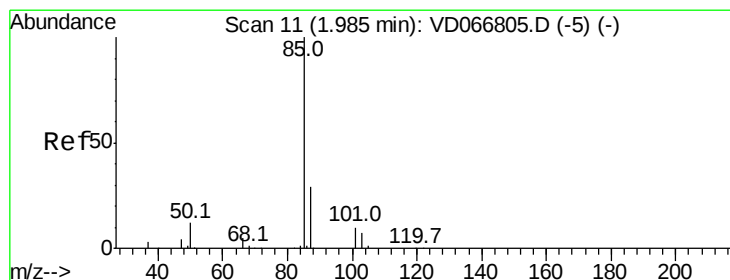
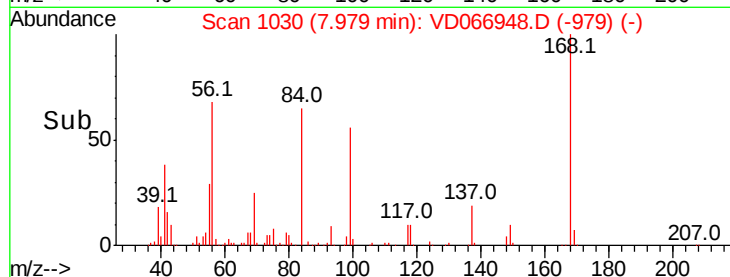
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.378 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066948.D

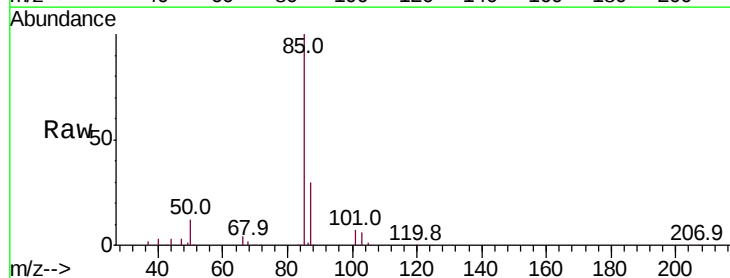
Acq: 29 Sep 2020 19:31

Tgt Ion: 85 Resp: 136762

Ion Ratio Lower Upper

85 100

87 30.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

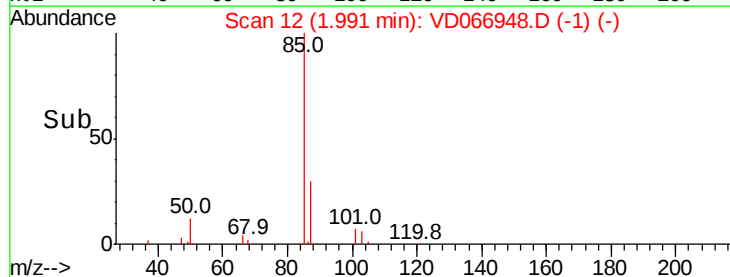
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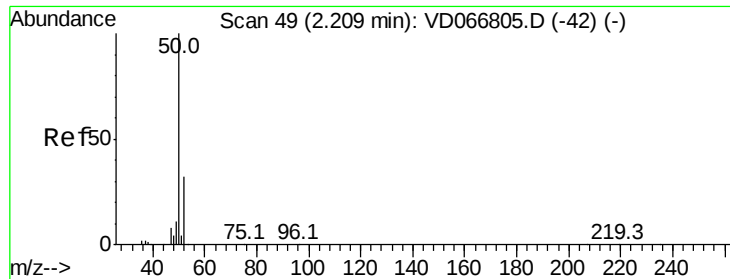
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.201 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

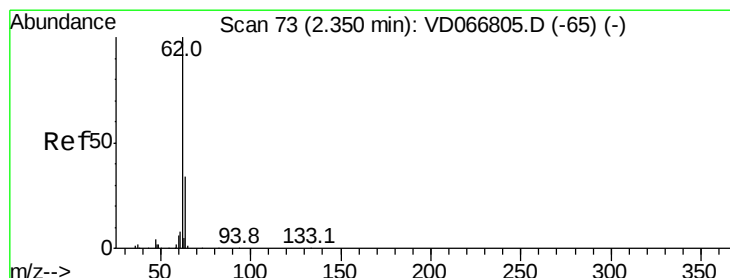
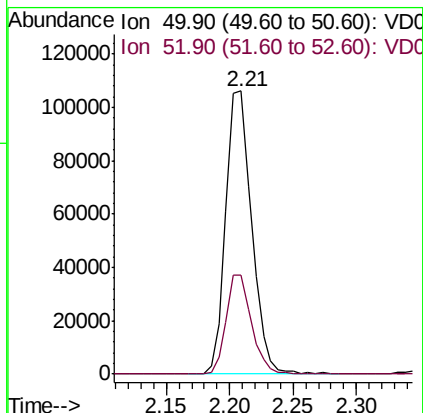
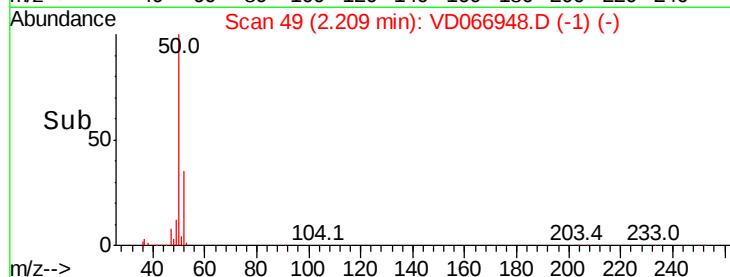
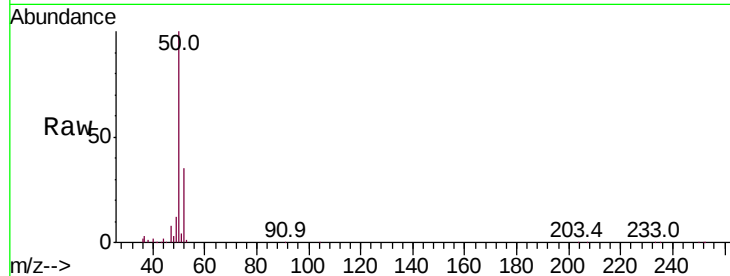
VSTDCCC050EC

Tot Ion: 50 Resp: 150144

Ion Ratio Lower Upper

50 100

52 35.0 25.5 38.3



#4

Vinyl Chloride

Concen: 42.235 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066948.D

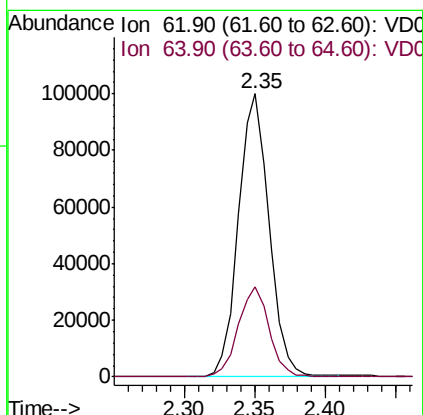
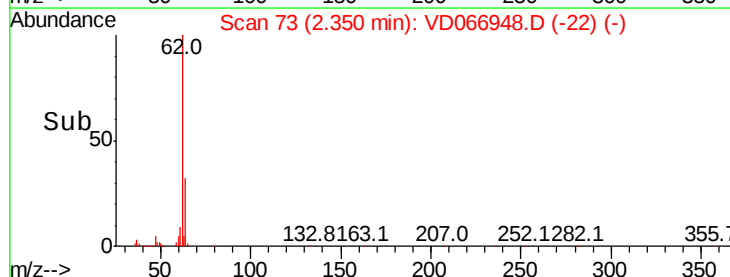
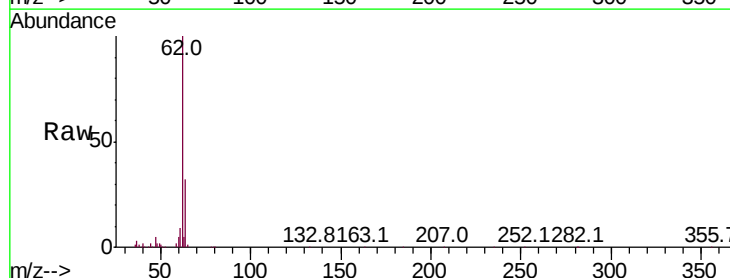
Acq: 29 Sep 2020 19:31

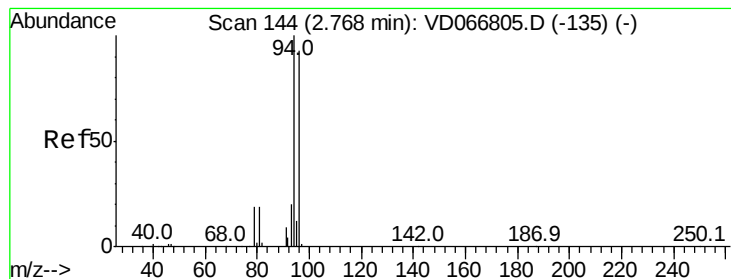
Tgt Ion: 62 Resp: 152056

Ion Ratio Lower Upper

62 100

64 31.9 27.0 40.4





#5

Bromomethane

Concen: 45.802 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

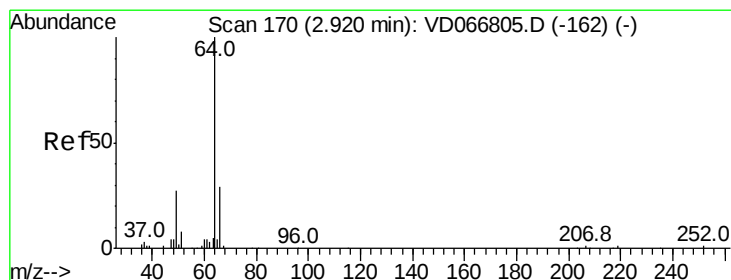
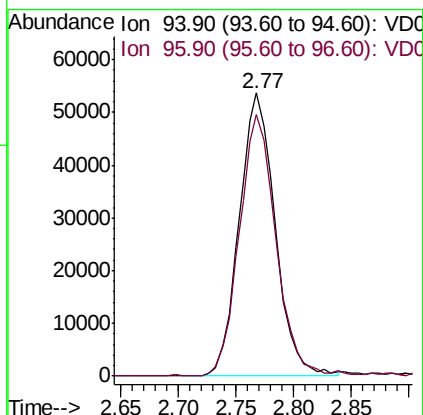
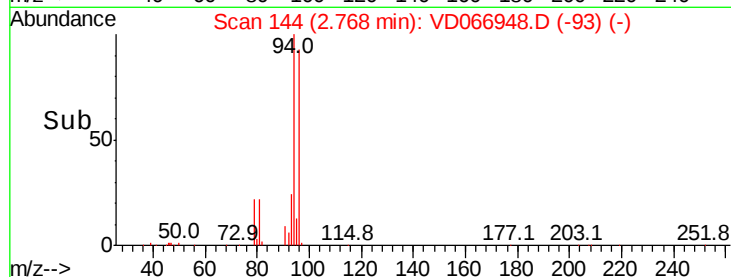
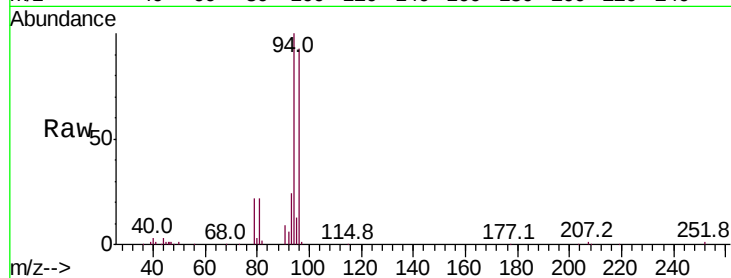
VSTDCCC050EC

Tot Ion: 94 Resp: 115904

Ion Ratio Lower Upper

94 100

96 92.3 74.3 111.5



#6

Chloroethane

Concen: 45.127 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066948.D

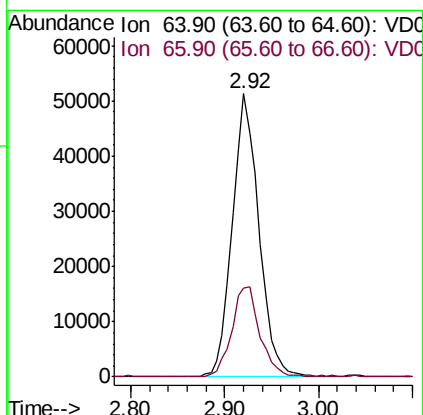
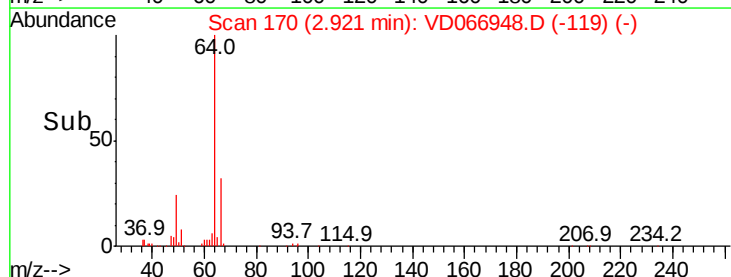
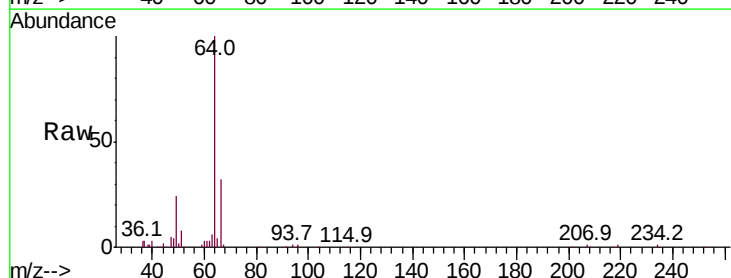
Acq: 29 Sep 2020 19:31

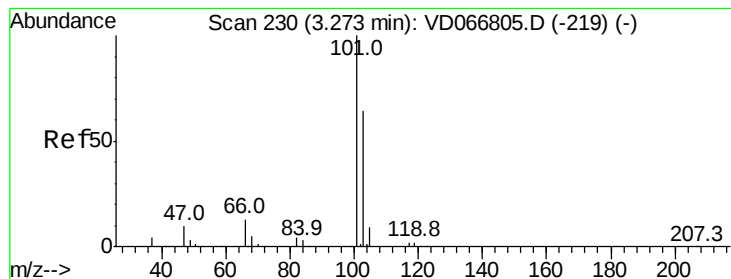
Tgt Ion: 64 Resp: 100892

Ion Ratio Lower Upper

64 100

66 31.6 23.3 34.9



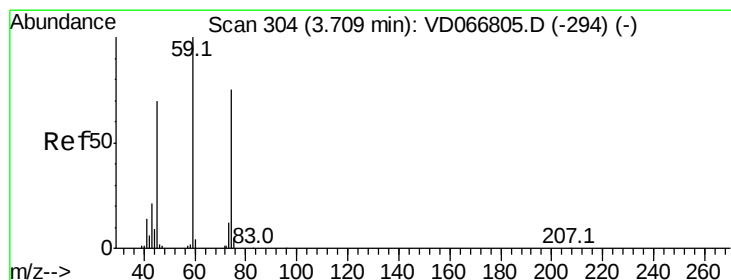
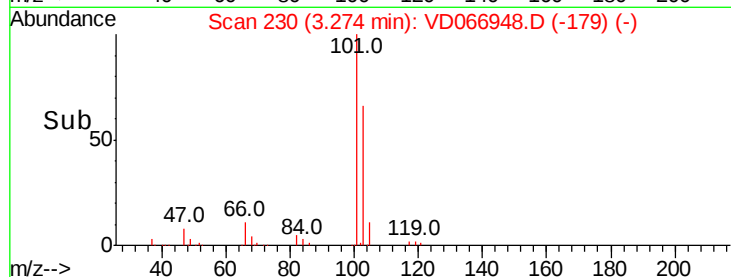
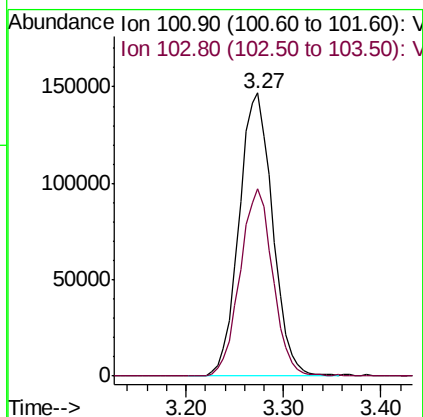
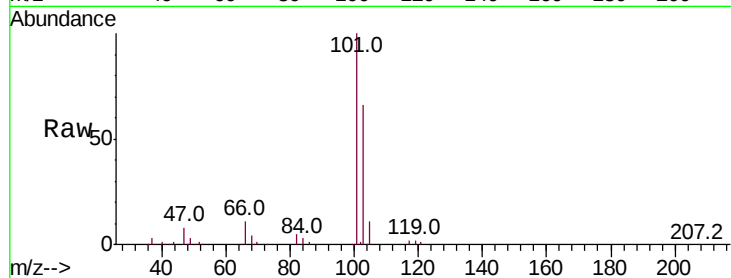


#7

Trichlorofluoromethane
 Concen: 47.816 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066948.D
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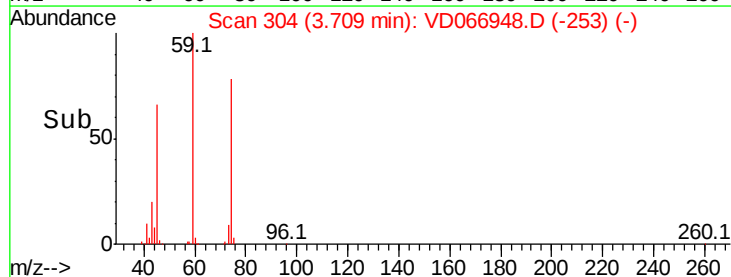
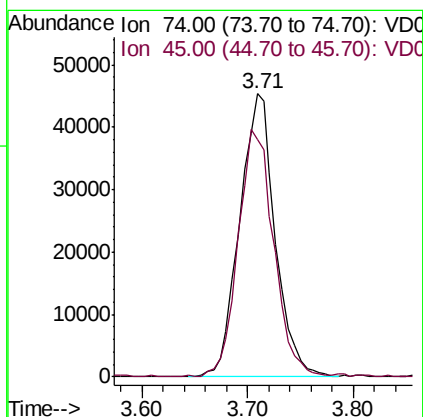
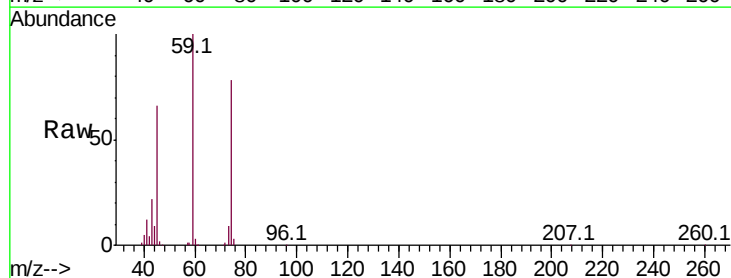
Tot Ion:101 Resp: 353547
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.0 76.6

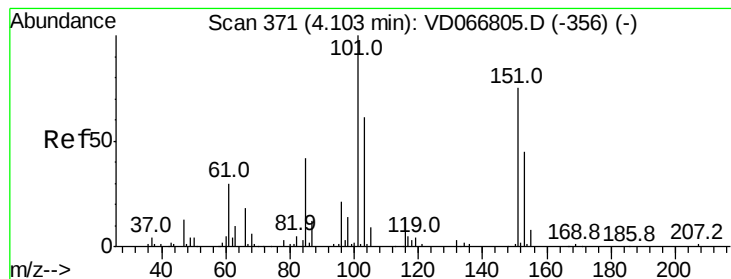


#8

Diethyl Ether
 Concen: 56.351 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 74 Resp: 105777
 Ion Ratio Lower Upper
 74 100
 45 87.9 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.192 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

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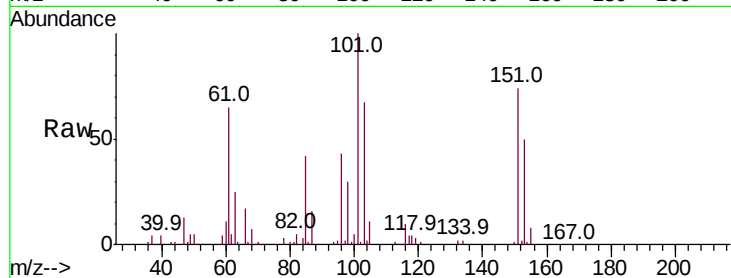
Tot Ion:101 Resp: 210907

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.2

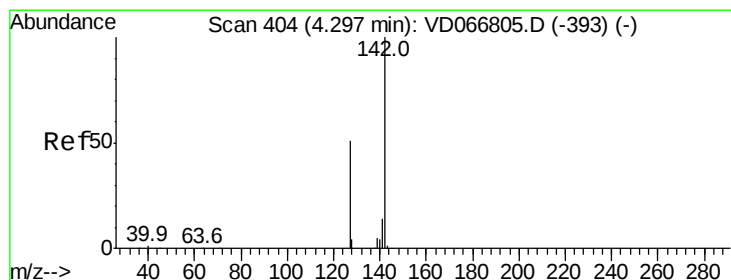
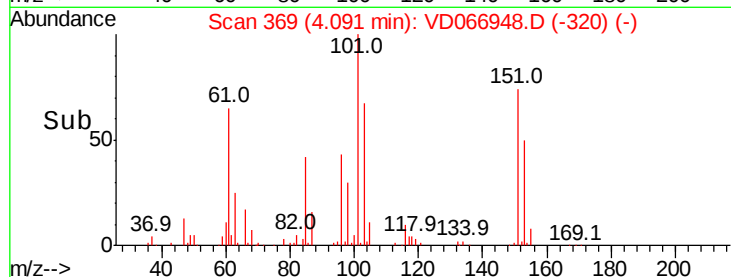
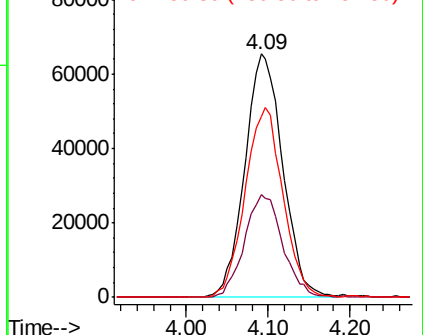
151 77.6 61.4 92.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.144 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

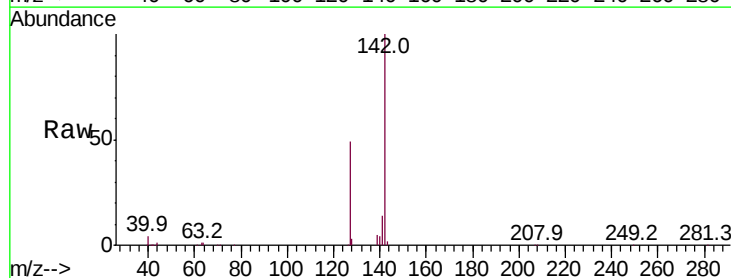
Tgt Ion:142 Resp: 204850

Ion Ratio Lower Upper

142 100

127 46.9 39.4 59.0

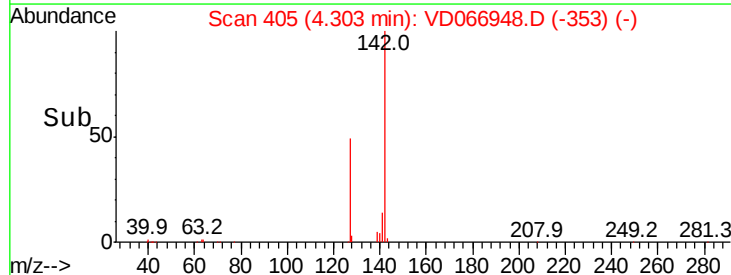
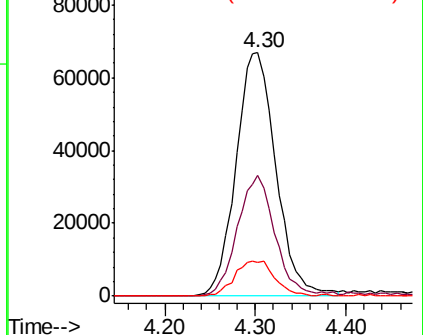
141 14.5 12.1 18.1

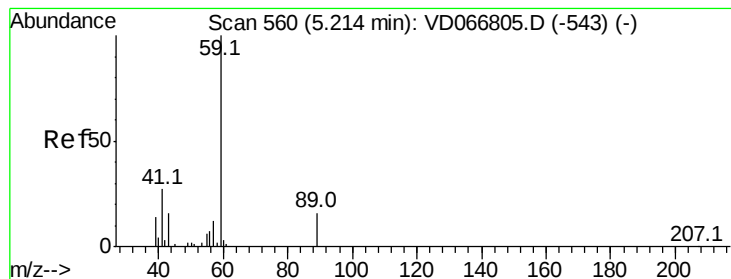


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



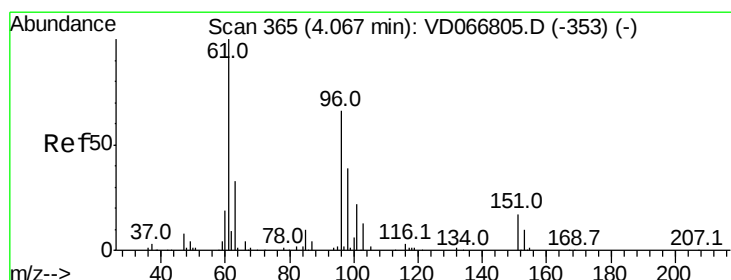
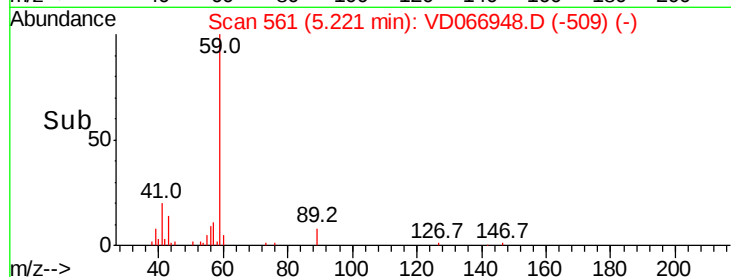
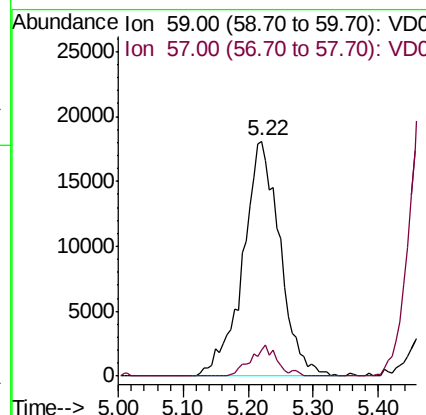
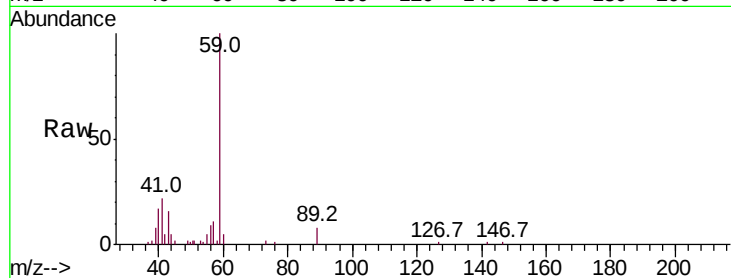


#11

Tert butyl alcohol
Concen: 316.985 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

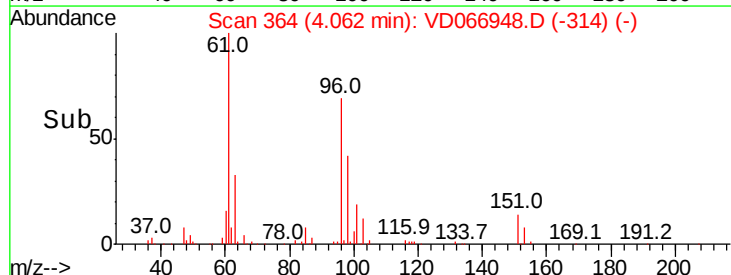
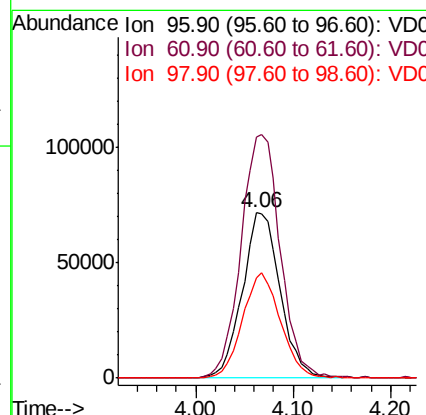
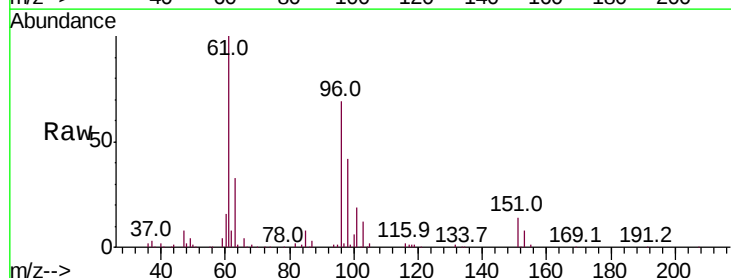
Tot Ion: 59 Resp: 71335
Ion Ratio Lower Upper
59 100
57 8.9 8.3 12.5

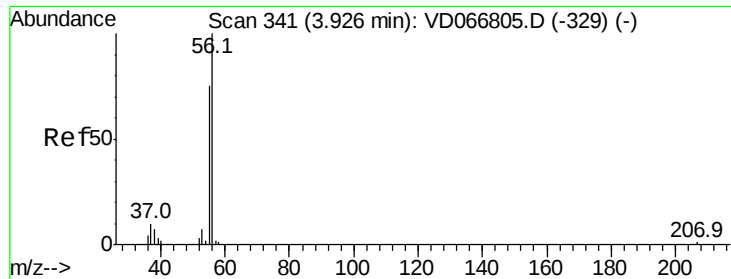


#12

1,1-Dichloroethene
Concen: 50.027 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 96 Resp: 194301
Ion Ratio Lower Upper
96 100
61 145.8 120.8 181.2
98 60.9 47.7 71.5

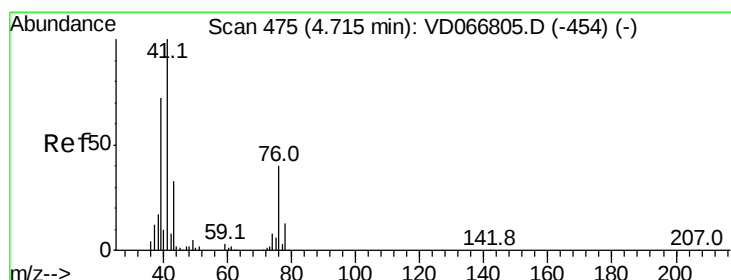
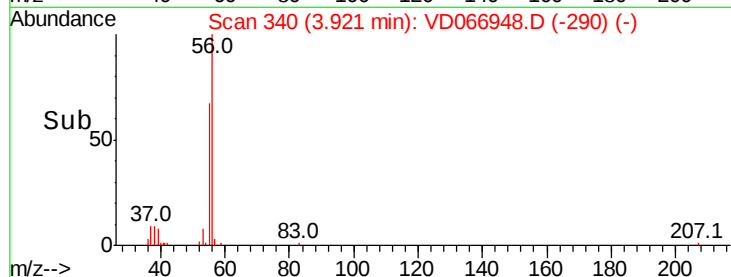
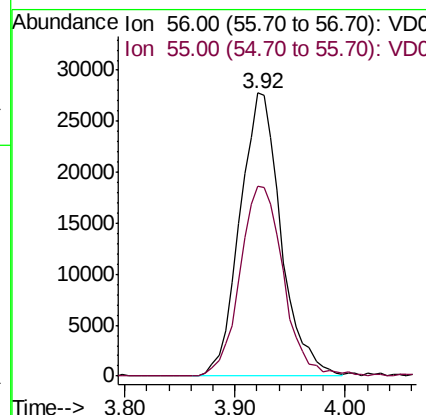
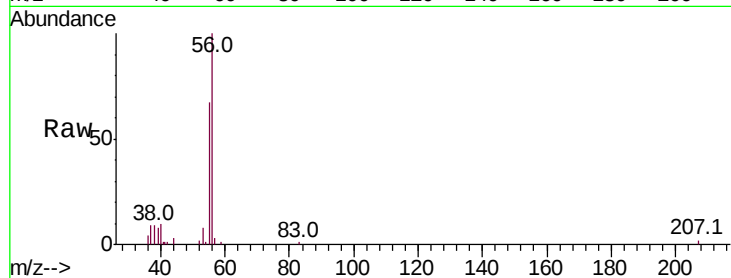




#13
Acrolein
Concen: 253.110 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

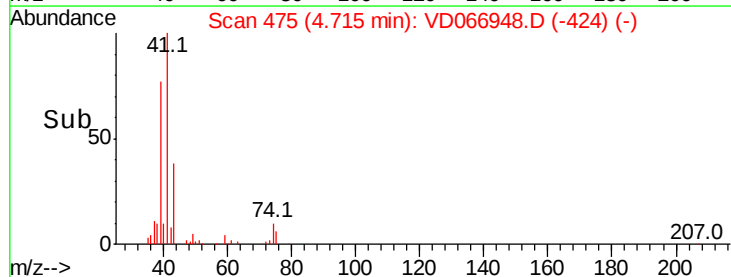
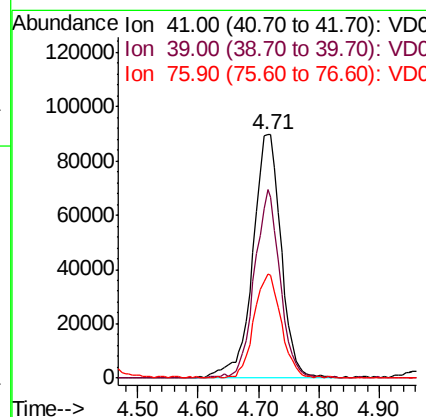
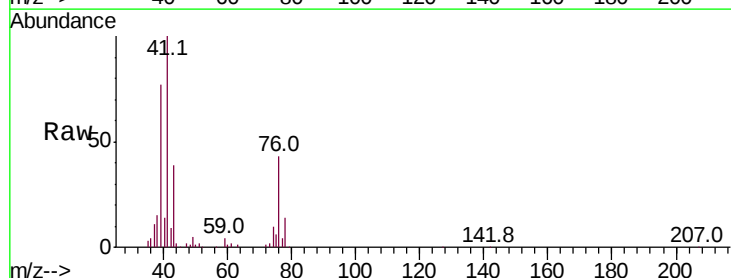
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

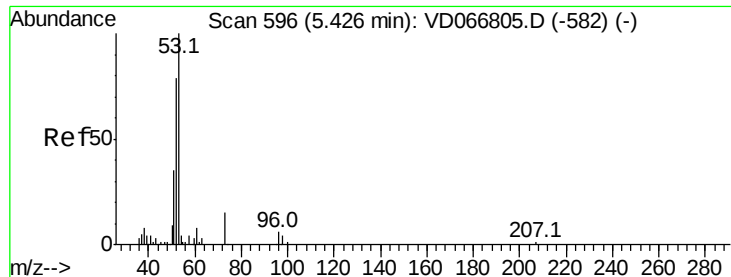
Tot Ion: 56 Resp: 72485
Ion Ratio Lower Upper
56 100
55 70.7 60.3 90.5



#14
Allyl chloride
Concen: 51.297 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 41 Resp: 292556
Ion Ratio Lower Upper
41 100
39 69.8 57.8 86.8
76 40.6 30.9 46.3





#15

Acrylonitrile

Concen: 282.484 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

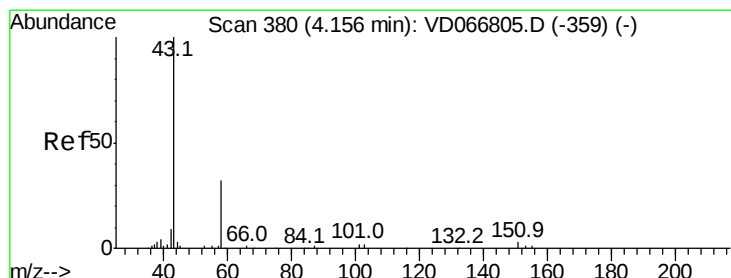
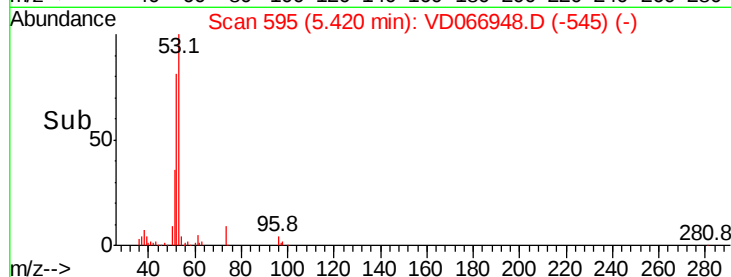
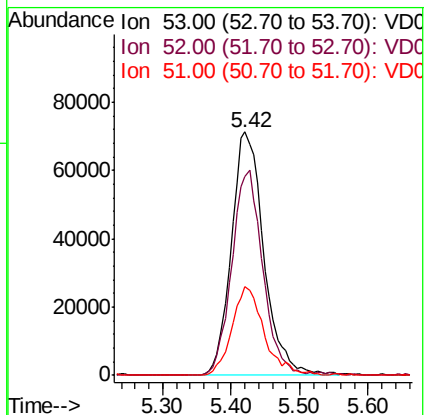
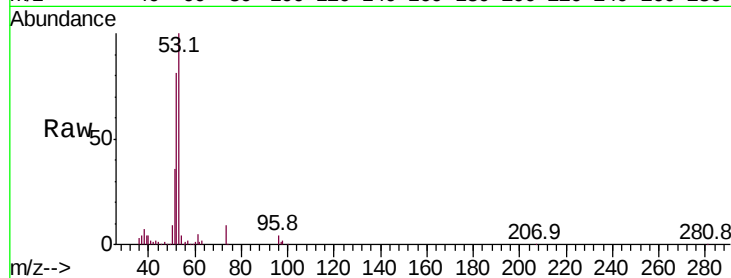
Tot Ion: 53 Resp: 234987

Ion Ratio Lower Upper

53 100

52 79.9 65.2 97.8

51 36.2 30.6 46.0



#16

Acetone

Concen: 215.218 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066948.D

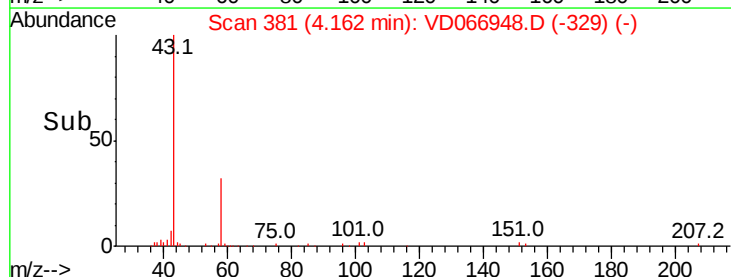
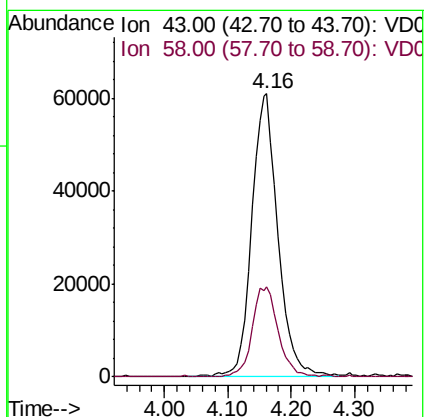
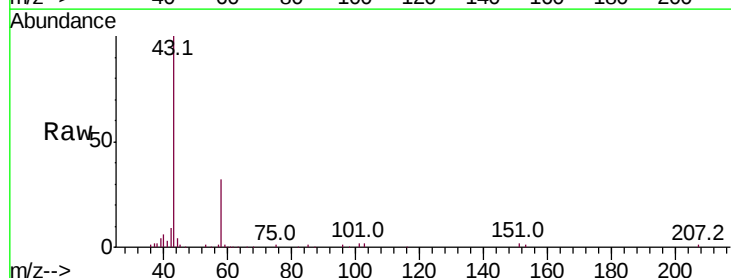
Acq: 29 Sep 2020 19:31

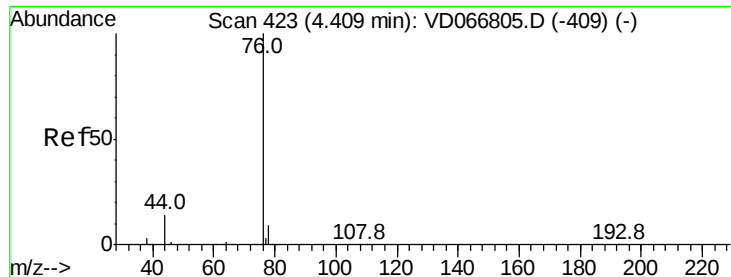
Tgt Ion: 43 Resp: 177236

Ion Ratio Lower Upper

43 100

58 32.0 25.6 38.4

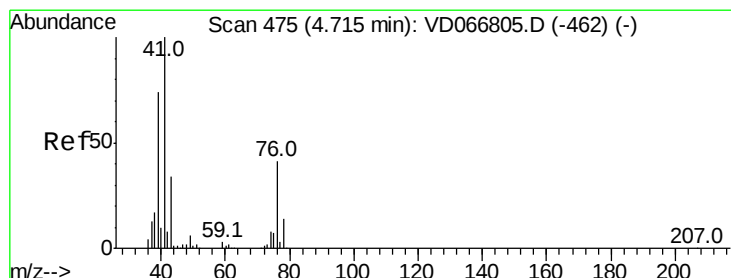
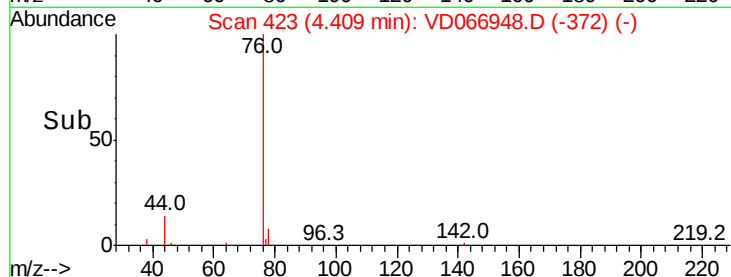
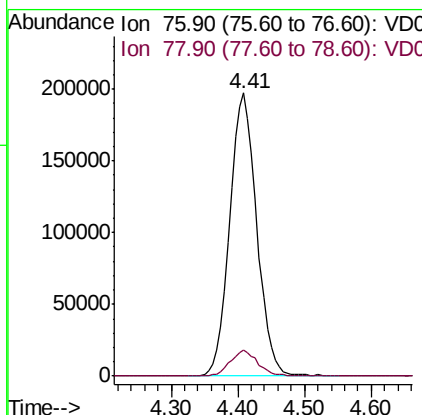
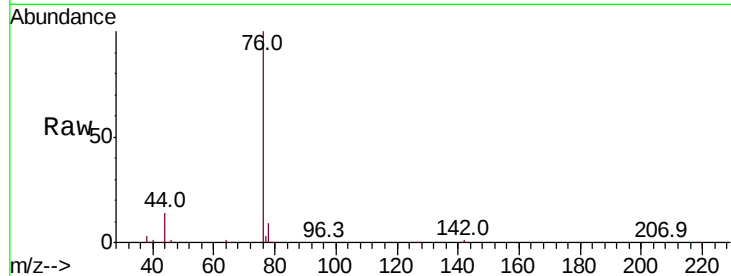




#17
Carbon Disulfide
Concen: 47.017 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

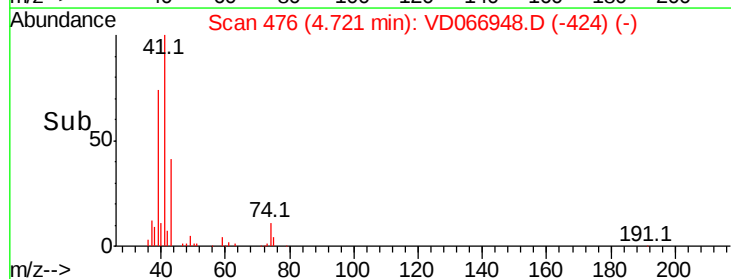
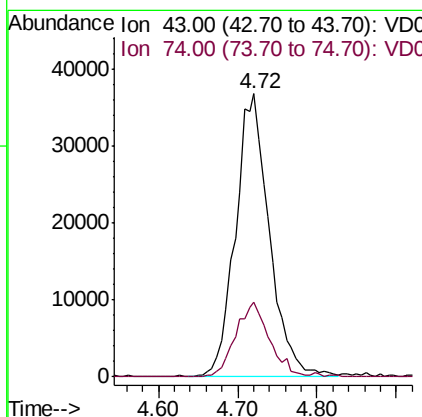
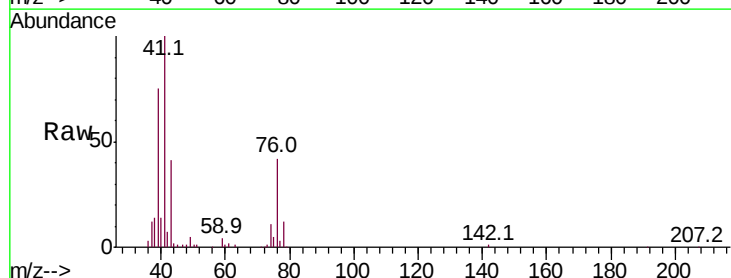
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

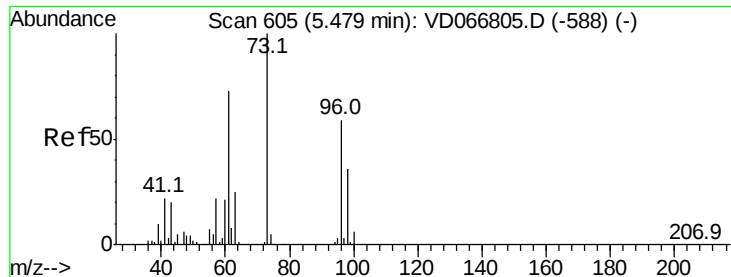
Tot Ion: 76 Resp: 558280
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4



#18
Methyl Acetate
Concen: 60.199 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 43 Resp: 109253
Ion Ratio Lower Upper
43 100
74 26.3 20.3 30.5



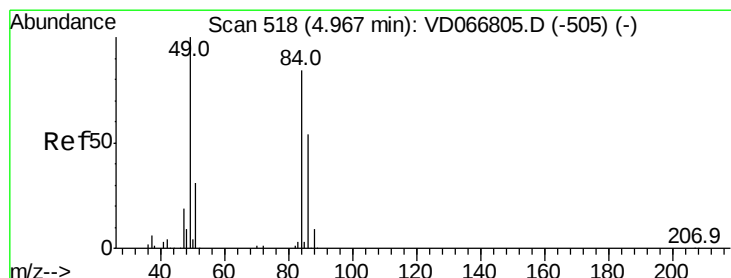
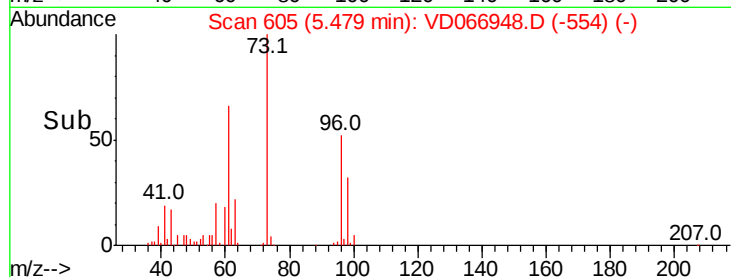
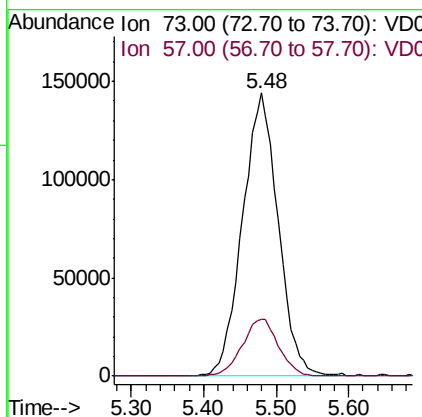
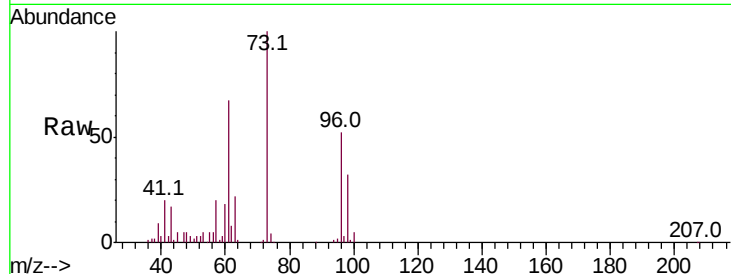


#19

Methvl tert-butvl Ether
 Concen: 58.179 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

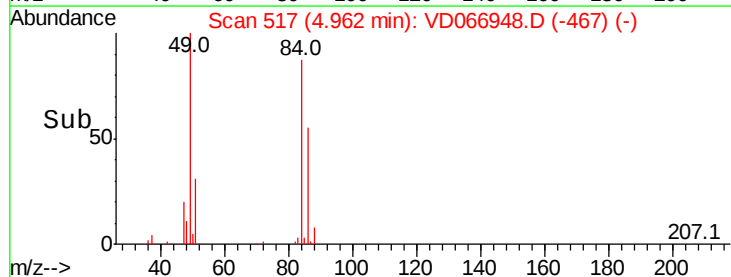
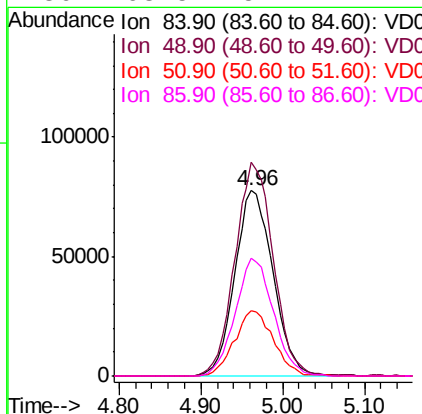
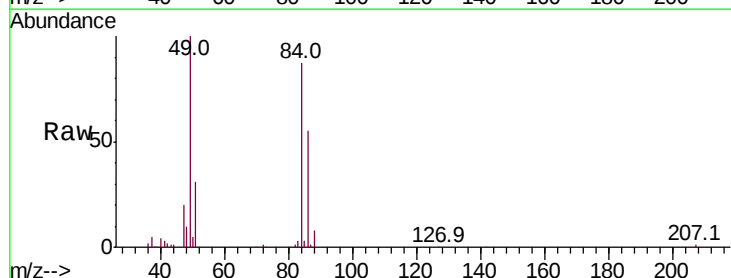
Tot Ion: 73 Resp: 490713
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.4 26.2

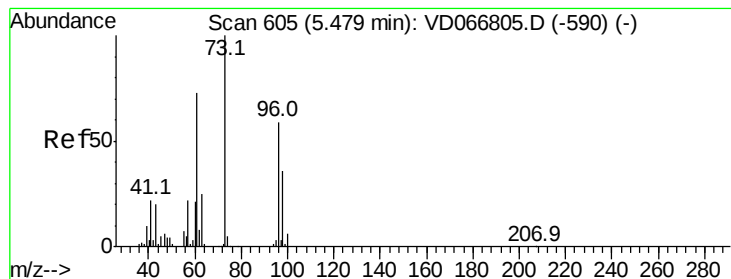


#20

Methylene Chloride
 Concen: 57.756 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 84 Resp: 252683
 Ion Ratio Lower Upper
 84 100
 49 115.2 95.4 143.2
 51 35.4 29.7 44.5
 86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.256 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

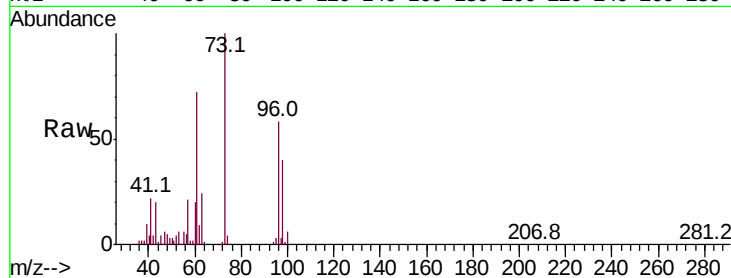
Tot Ion: 96 Resp: 239501

Ion Ratio Lower Upper

96 100

61 125.4 98.9 148.3

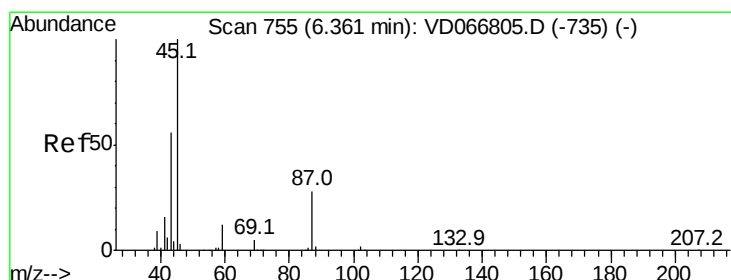
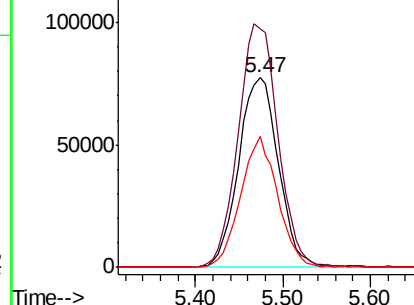
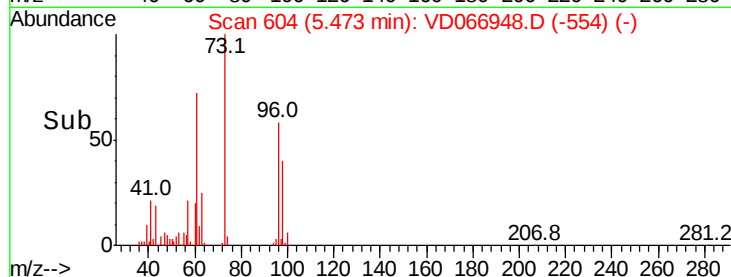
98 69.1 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.747 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion: 45 Resp: 641981

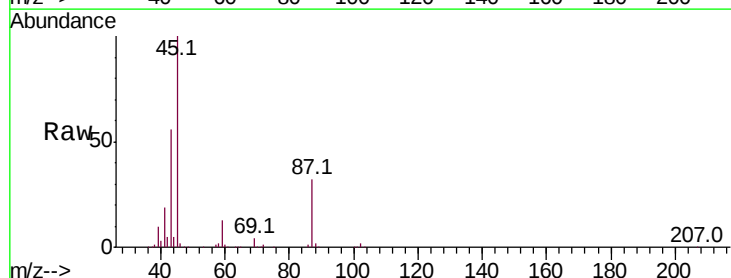
Ion Ratio Lower Upper

45 100

43 55.7 44.5 66.7

87 31.5 22.9 34.3

59 12.7 9.4 14.0

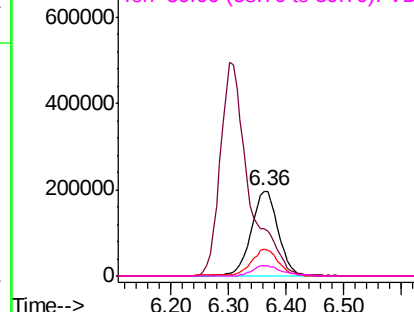
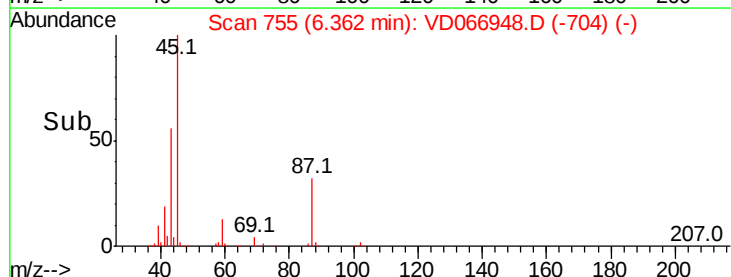


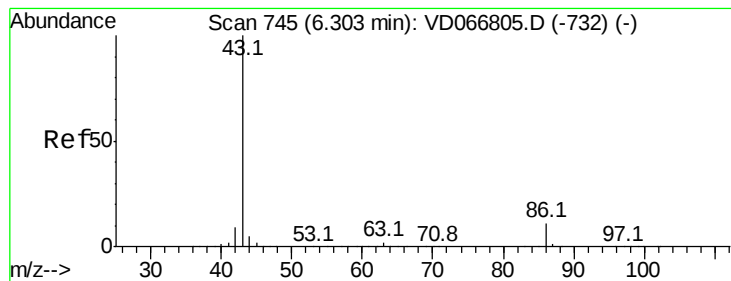
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 266.833 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleID :

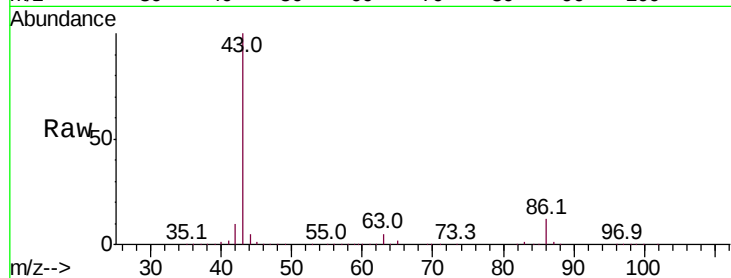
VSTDCCC050EC

Tot Ion: 43 Resp: 1699956

Ion Ratio Lower Upper

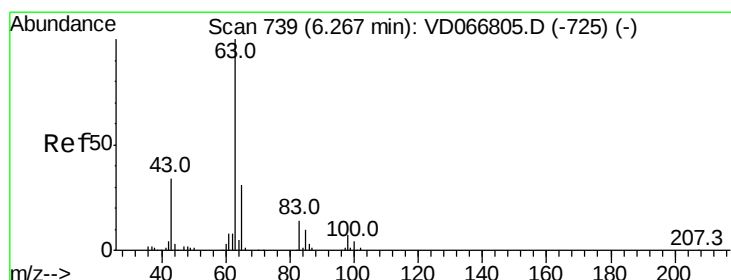
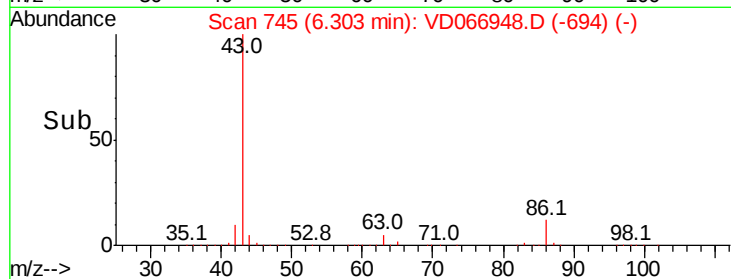
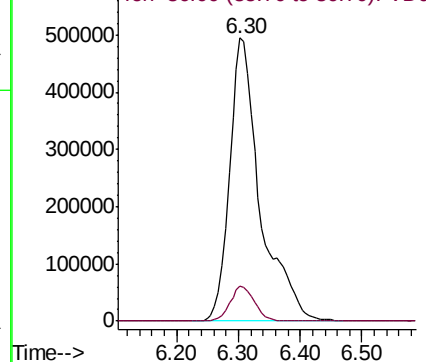
43 100

86 12.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.977 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

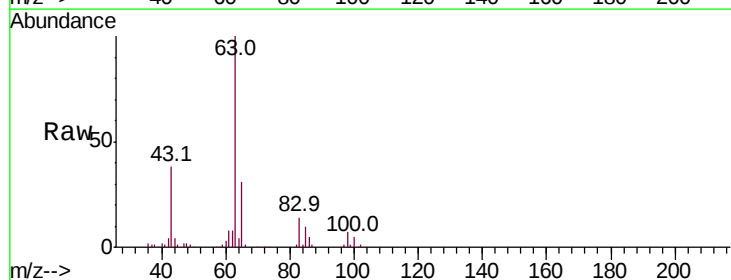
Tgt Ion: 63 Resp: 407746

Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

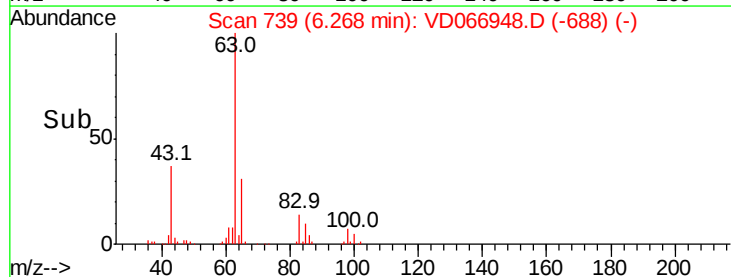
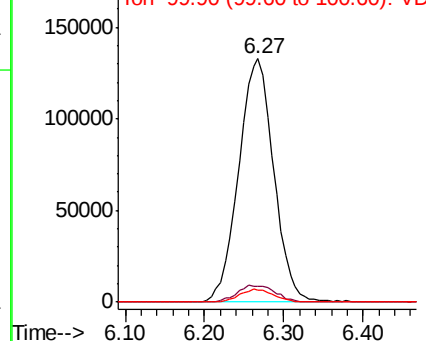
100 4.8 1.8 5.5

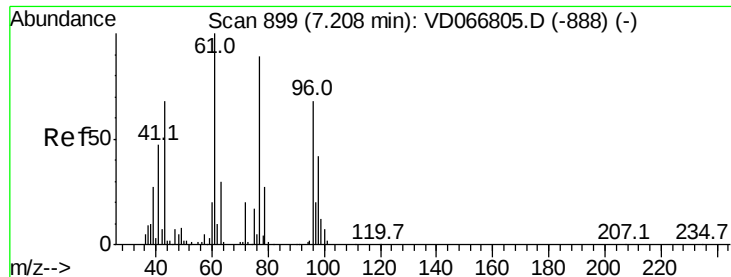


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 275.672 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

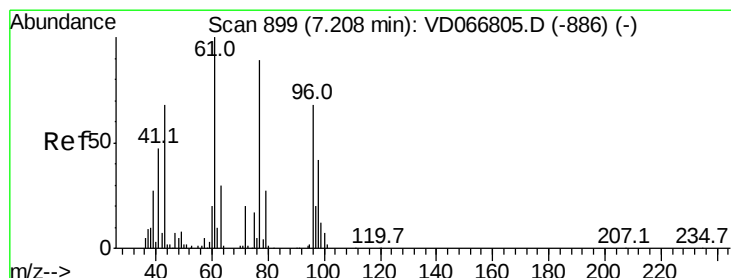
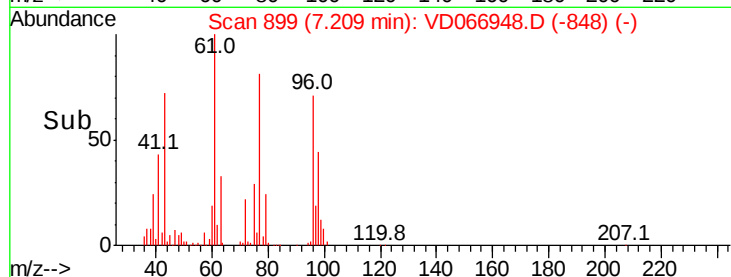
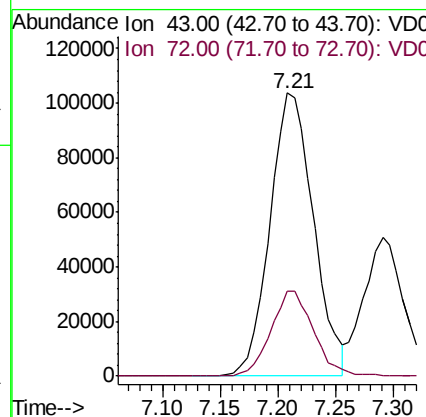
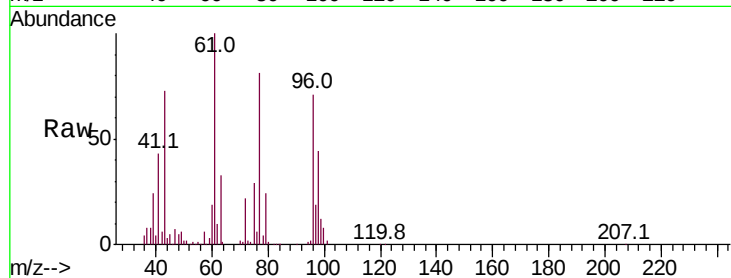
VSTDCCC050EC

Tot Ion: 43 Resp: 272818

Ion Ratio Lower Upper

43 100

72 29.9 22.9 34.3



#26

2,2-Dichloropropane

Concen: 46.486 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066948.D

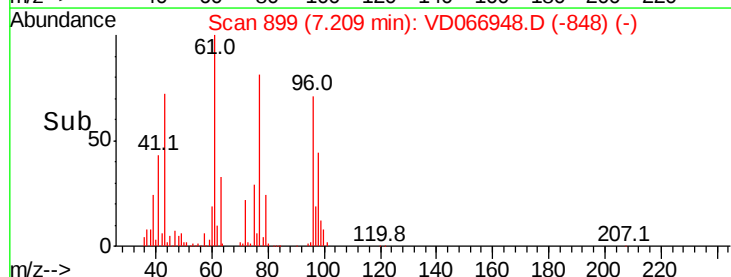
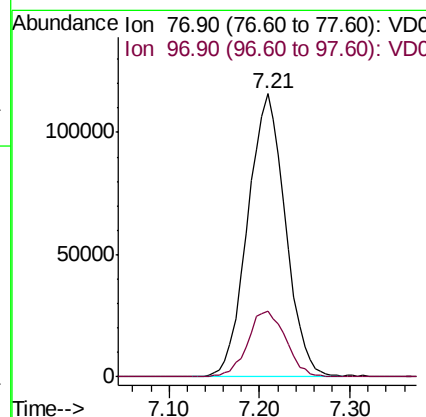
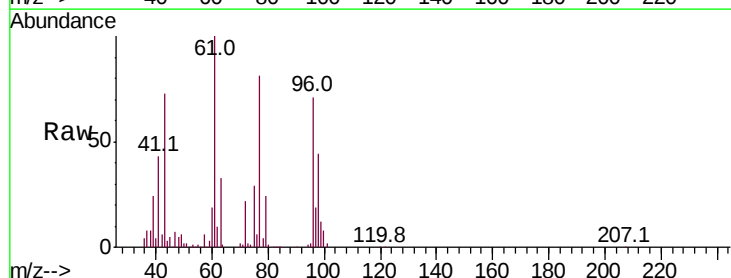
Acq: 29 Sep 2020 19:31

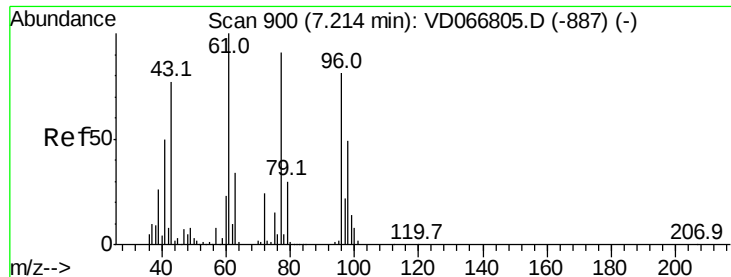
Tgt Ion: 77 Resp: 334237

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1



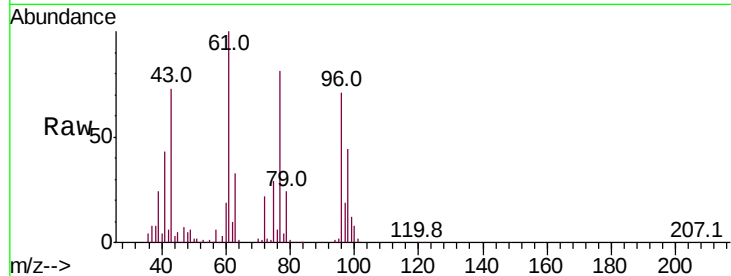


#27

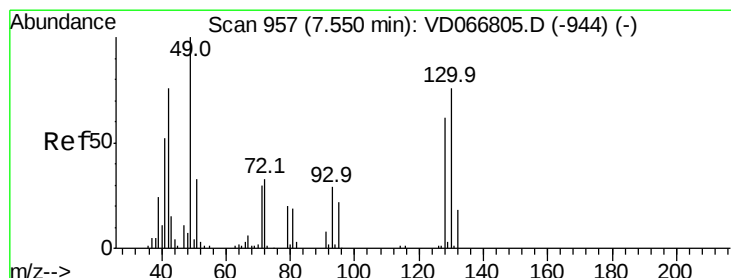
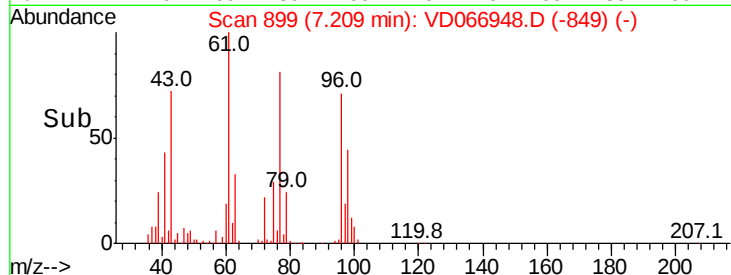
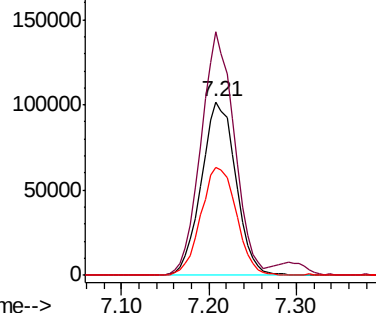
cis-1,2-Dichloroethene
 Concen: 55.922 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 273249
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 283.8
 98 64.0 0.0 128.4



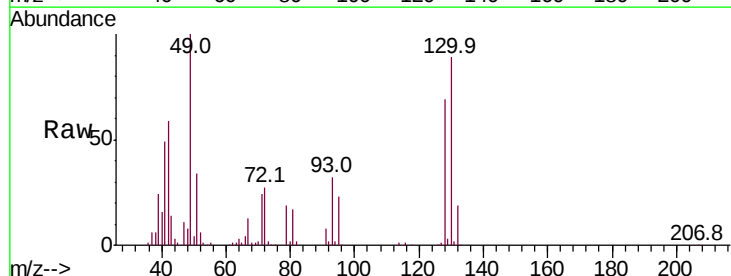
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



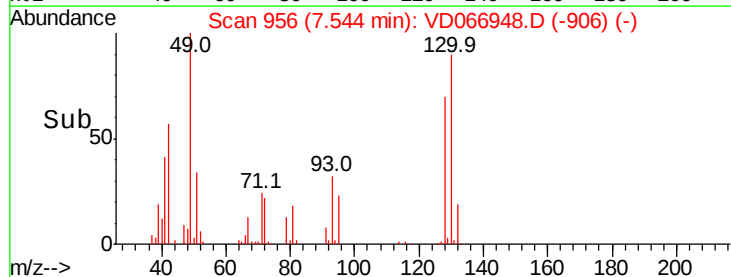
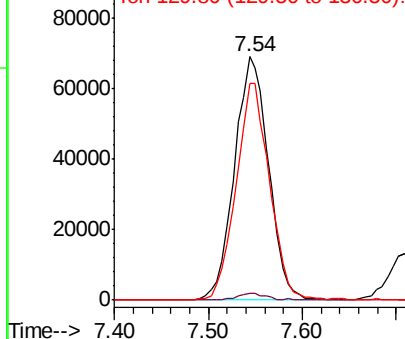
#28

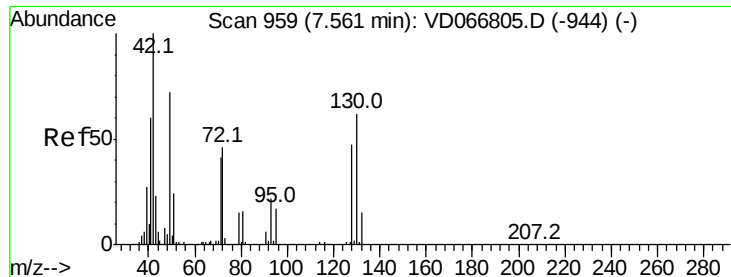
Bromochloromethane
 Concen: 53.565 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 49 Resp: 173596
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.0#
 130 87.4 65.9 98.9



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: 281.776 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

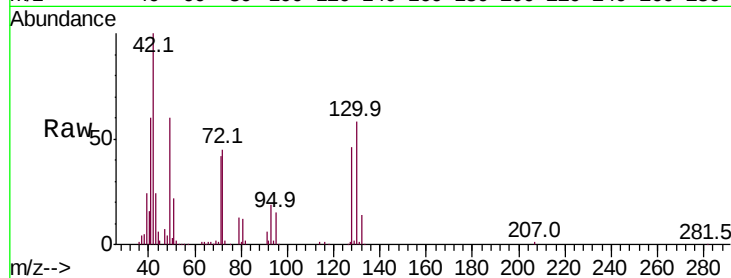
Tot Ion: 42 Resp: 178679

Ion Ratio Lower Upper

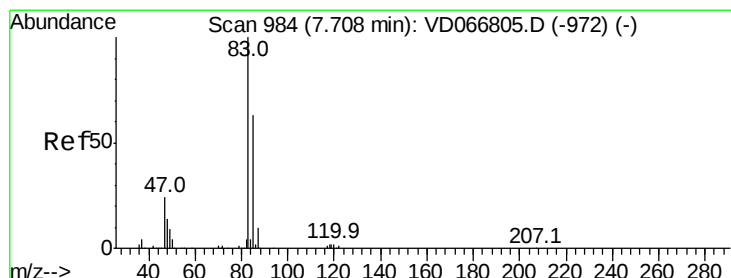
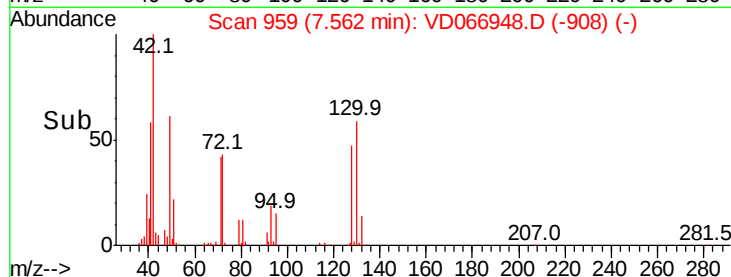
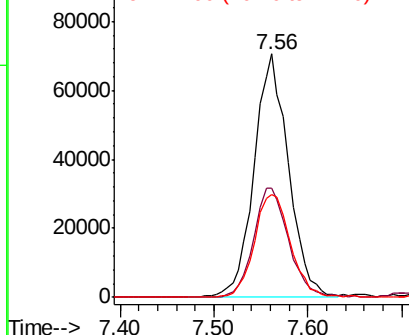
42 100

72 45.8 36.2 54.4

71 44.2 32.4 48.6



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



#30

Chloroform

Concen: 53.203 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD066948.D

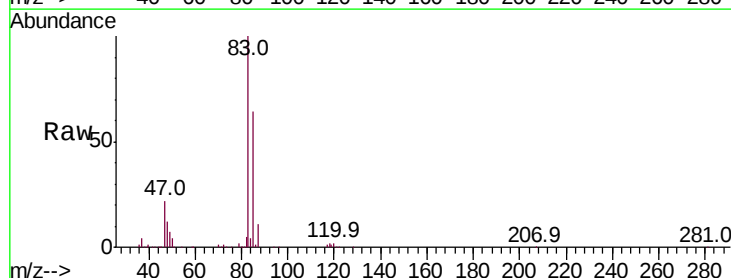
Acq: 29 Sep 2020 19:31

Tgt Ion: 83 Resp: 449887

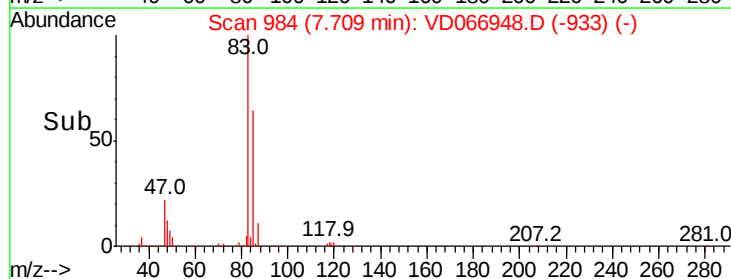
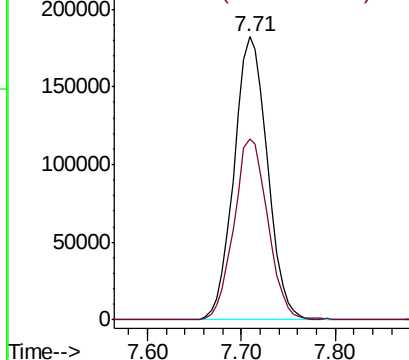
Ion Ratio Lower Upper

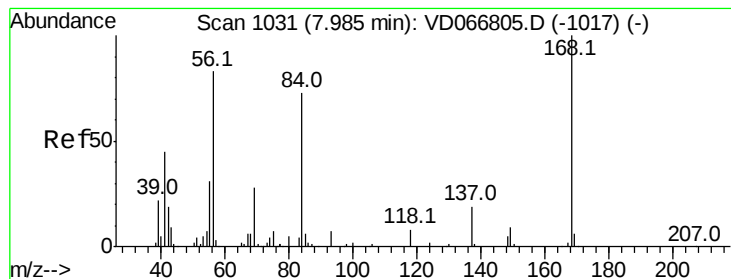
83 100

85 63.8 50.6 75.8



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





#31

Cyclohexane

Concen: 46.072 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

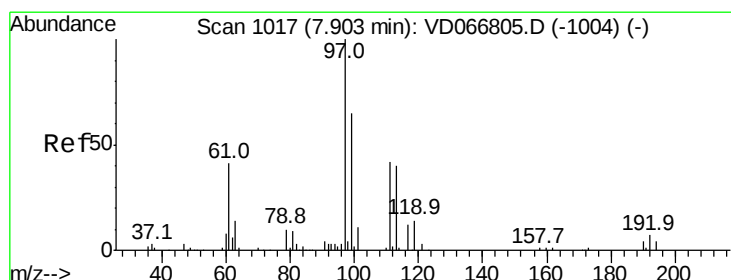
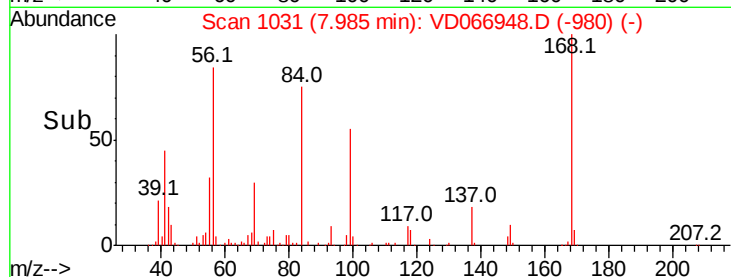
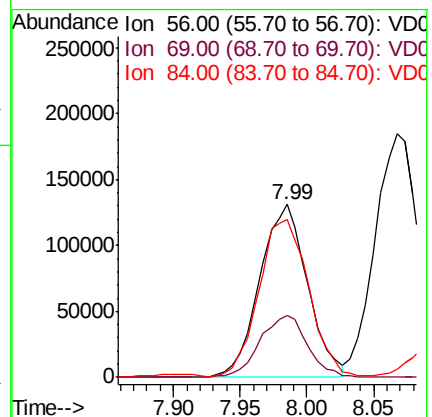
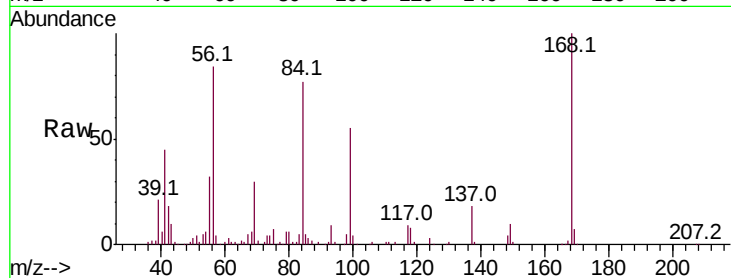
Tot Ion: 56 Resp: 325200

Ion Ratio Lower Upper

56 100

69 35.5 27.0 40.4

84 90.0 70.2 105.4



#32

1,1,1-Trichloroethane

Concen: 51.831 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

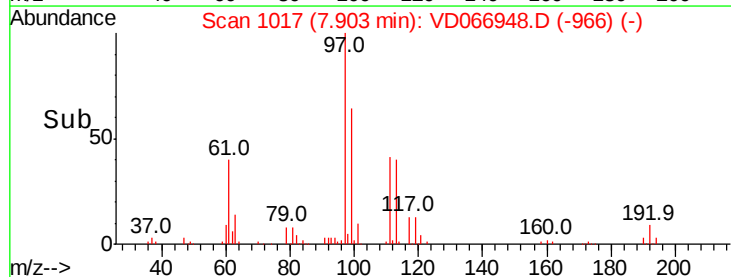
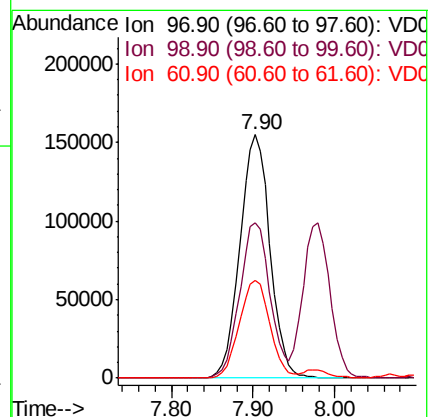
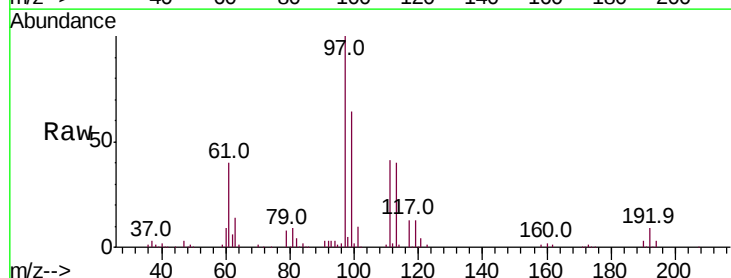
Tgt Ion: 97 Resp: 396479

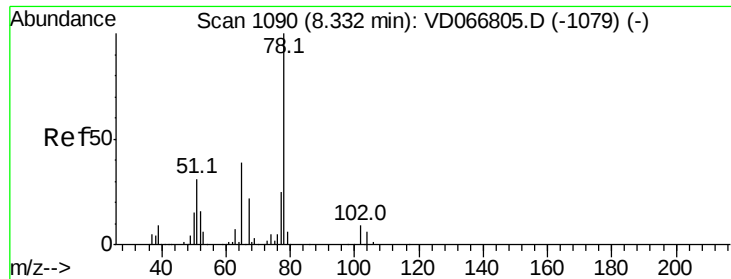
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 41.2 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 48.423 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

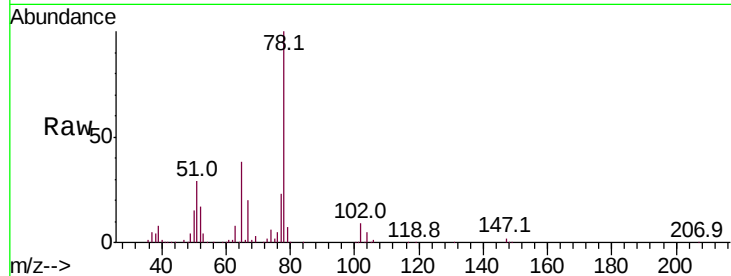
VSTDCCC050EC

Tot Ion: 65 Resp: 187981

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

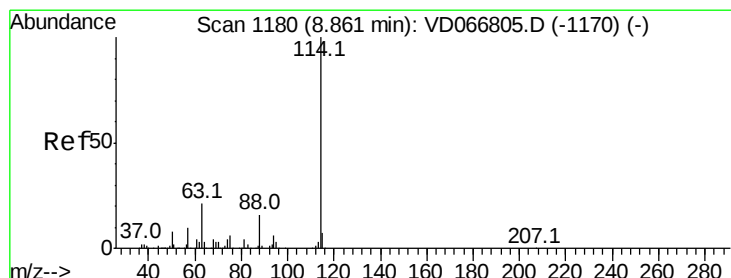
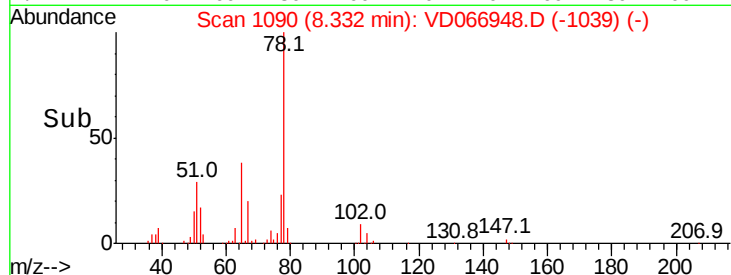
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

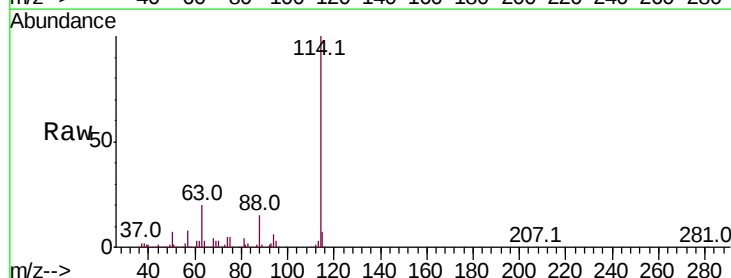
Tgt Ion: 114 Resp: 628772

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 15.0 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

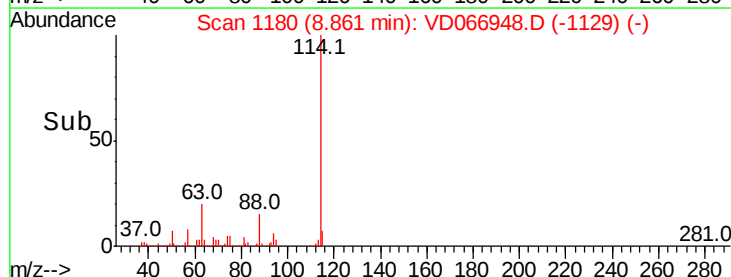
300000

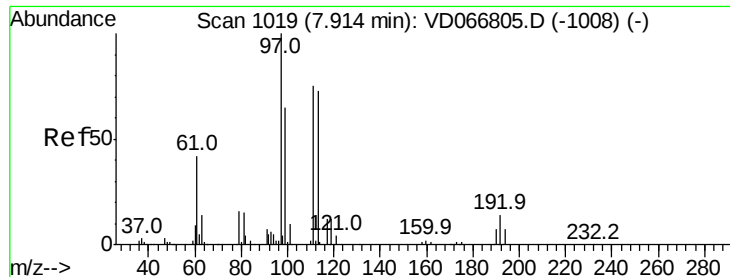
200000

100000

0

Time--> 8.80 8.90 9.00

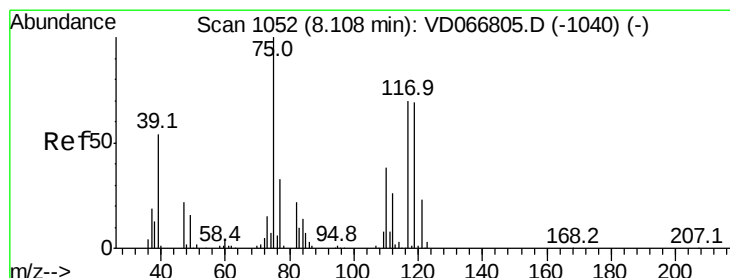
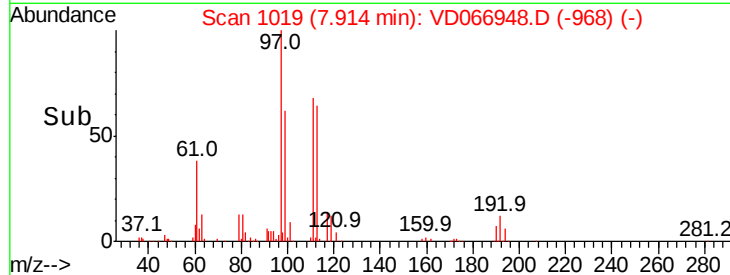
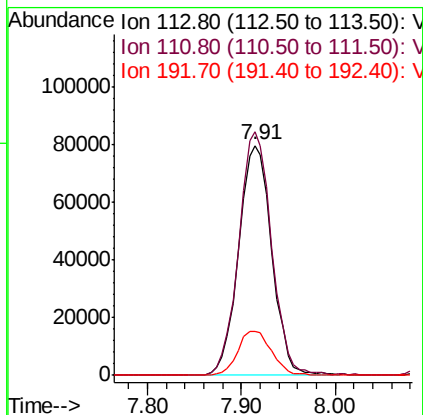
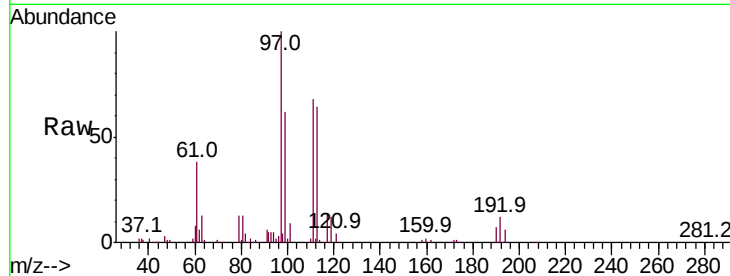




#35
 Dibromofluoromethane
 Concen: 48.621 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

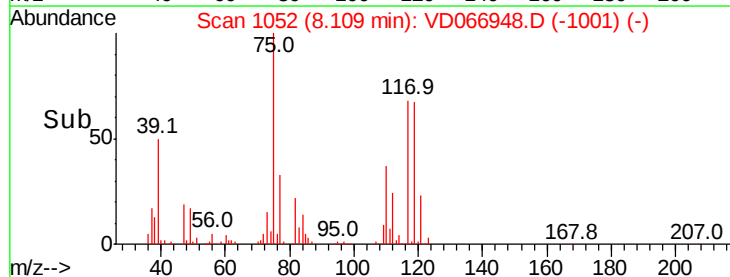
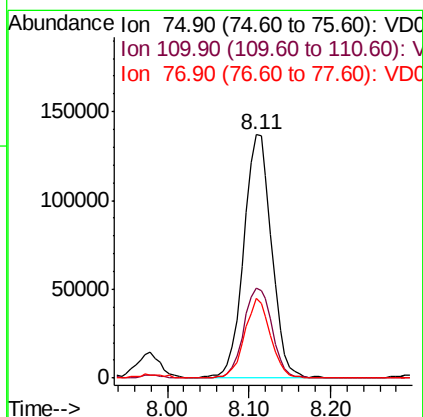
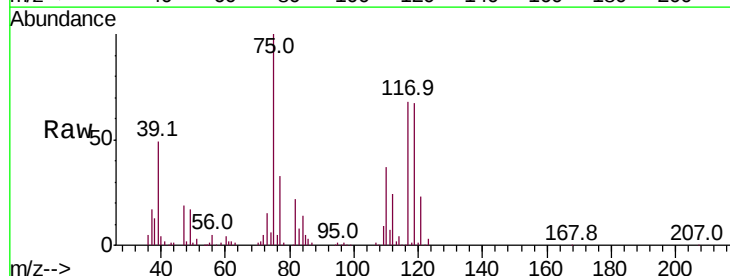
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

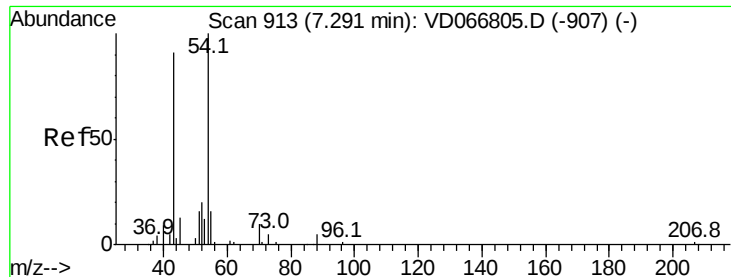
Tot Ion:113 Resp: 194495
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.8 122.8
 192 19.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 51.921 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 75 Resp: 323877
 Ion Ratio Lower Upper
 75 100
 110 37.5 17.9 53.8
 77 30.9 25.0 37.6

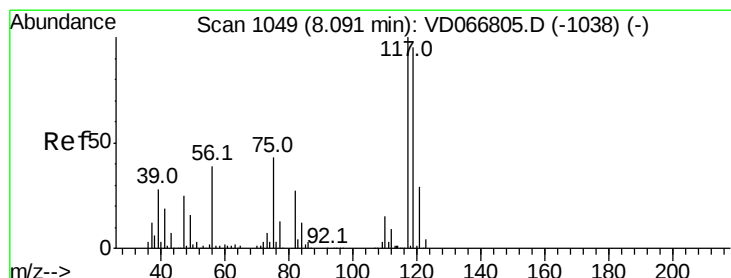
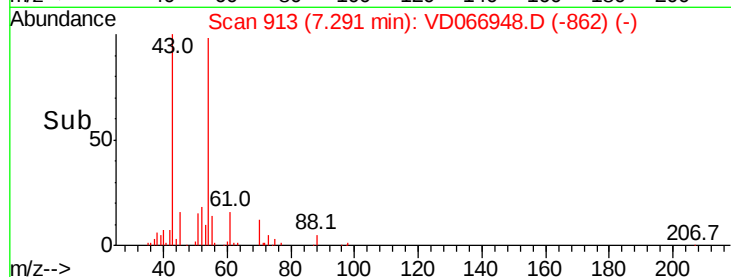
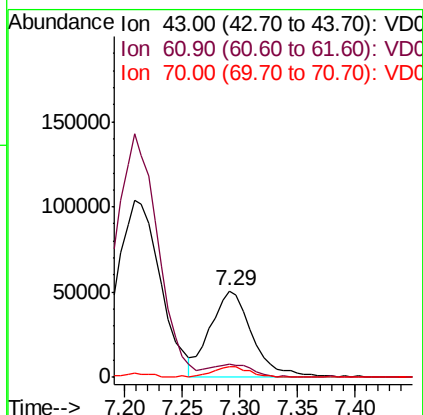
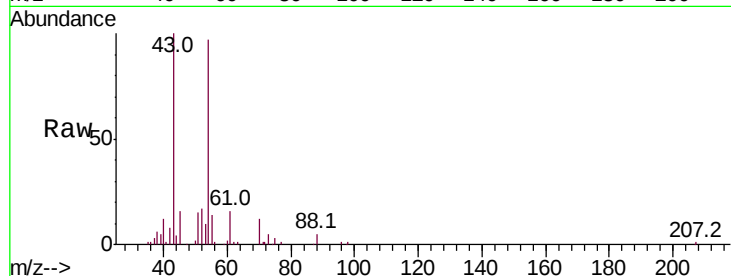




#37
Ethyl Acetate
Concen: 55.680 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

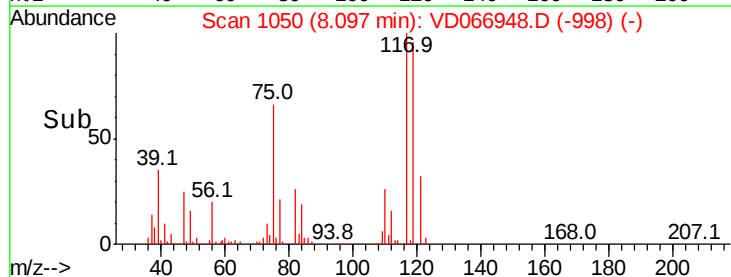
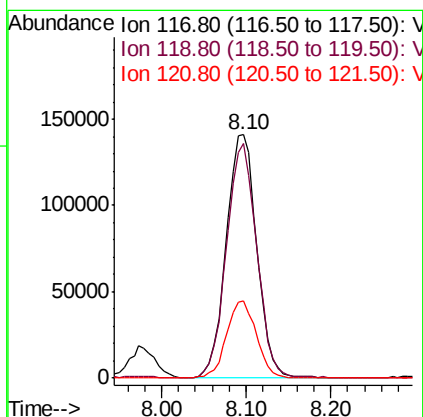
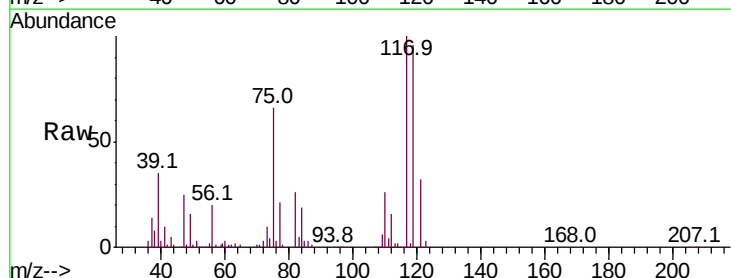
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

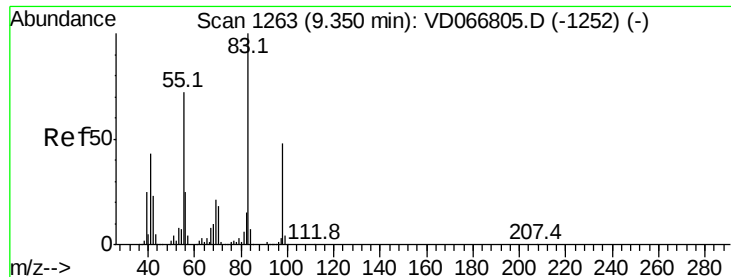
Tot Ion: 43 Resp: 125563
Ion Ratio Lower Upper
43 100
61 14.7 9.8 14.8
70 11.7 8.5 12.7



#38
Carbon Tetrachloride
Concen: 51.679 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 117 Resp: 352439
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
121 31.7 23.4 35.0

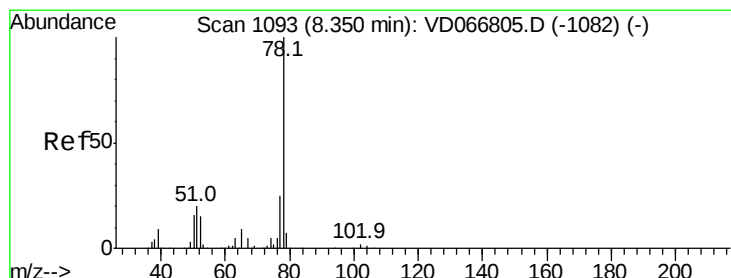
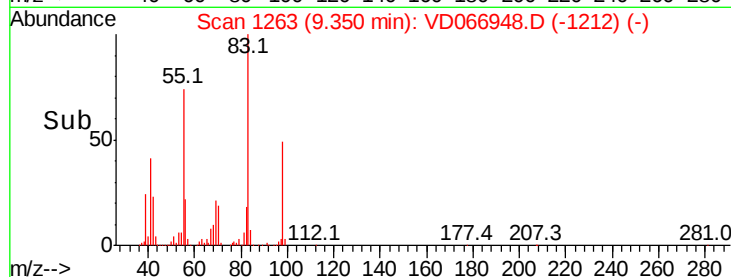
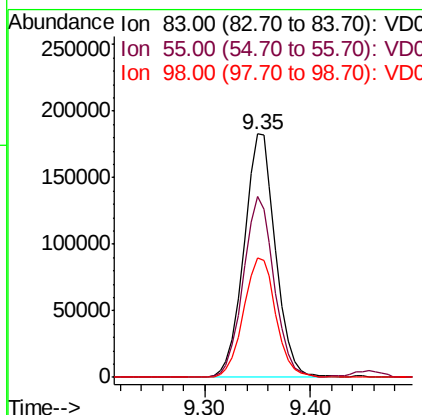
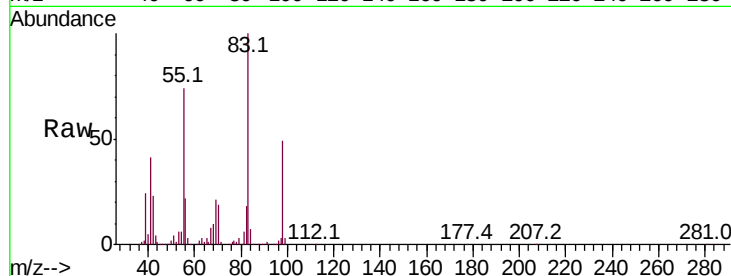




#39
Methvlcvclohexane
Concen: 52.906 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

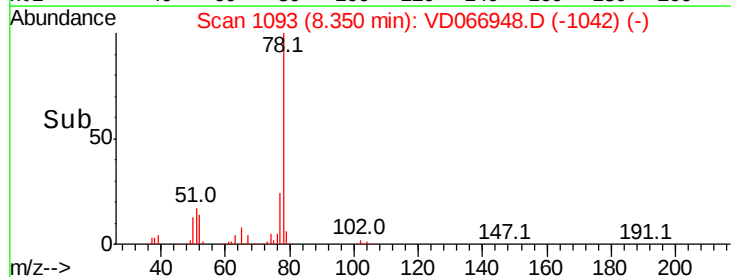
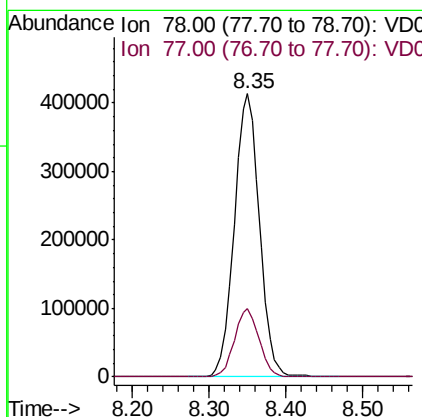
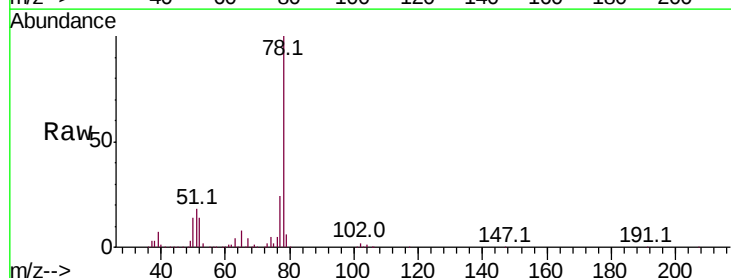
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

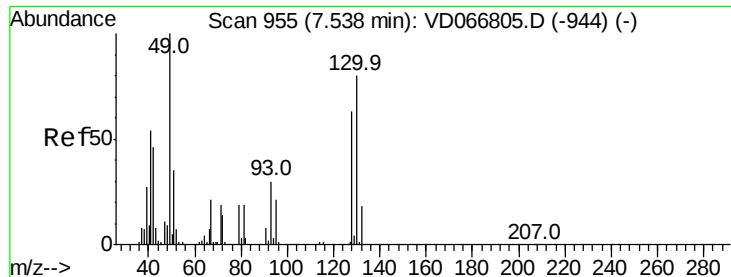
Tot Ion: 83 Resp: 378913
Ion Ratio Lower Upper
83 100
55 73.9 57.7 86.5
98 49.2 38.4 57.6



#40
Benzene
Concen: 54.334 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 78 Resp: 944605
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9

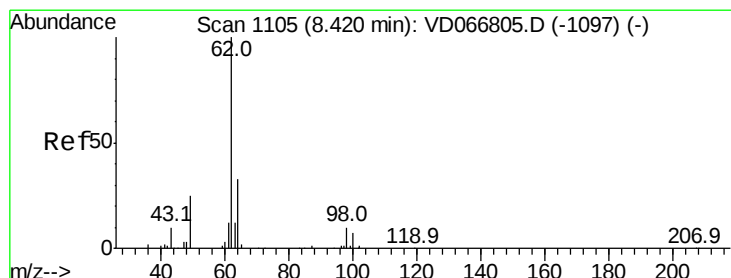
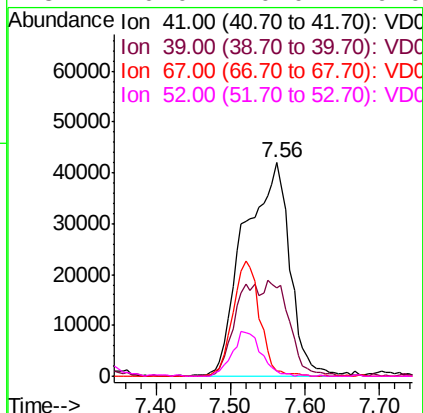
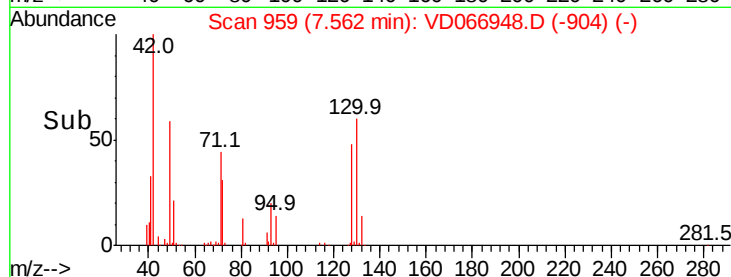
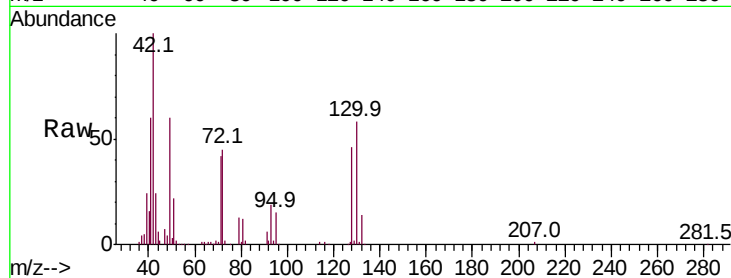




#41
Methacrylonitrile
Concen: 128.690 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

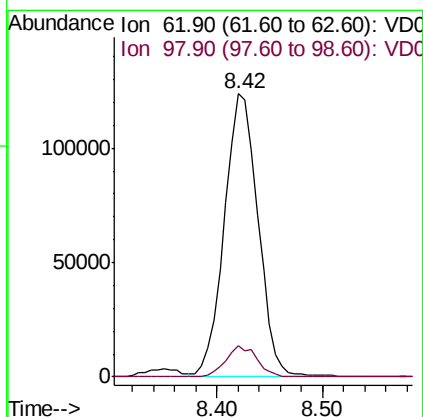
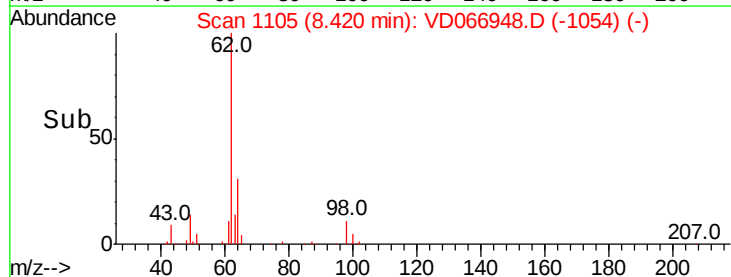
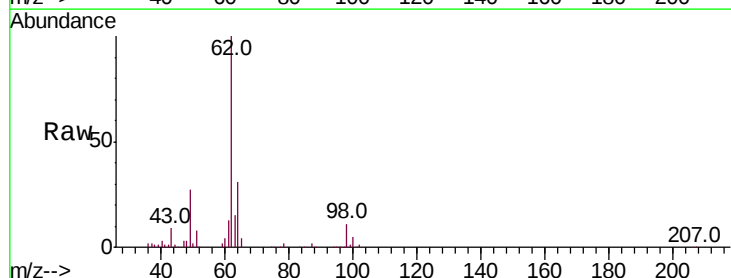
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

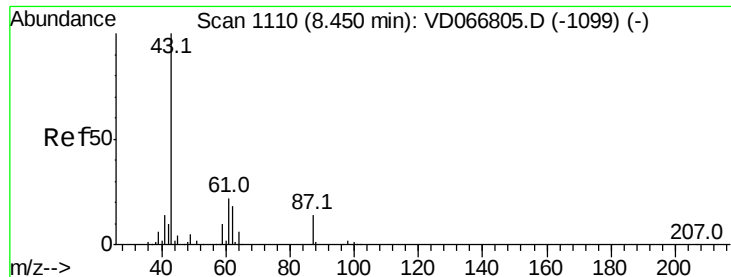
Tot Ion:	41	Resp:	178466
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 53.117 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:	62	Resp:	272990
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8





#43

Isopropyl Acetate

Concen: 56.423 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

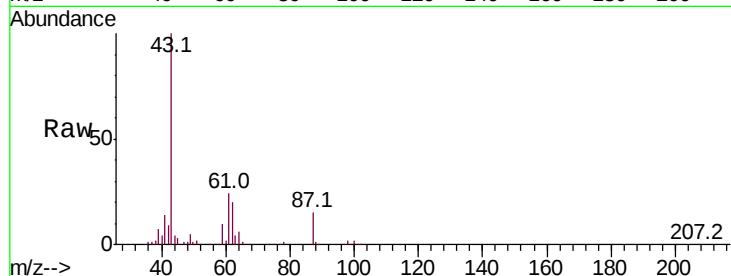
Tot Ion: 43 Resp: 245306

Ion Ratio Lower Upper

43 100

61 32.0 26.2 39.4

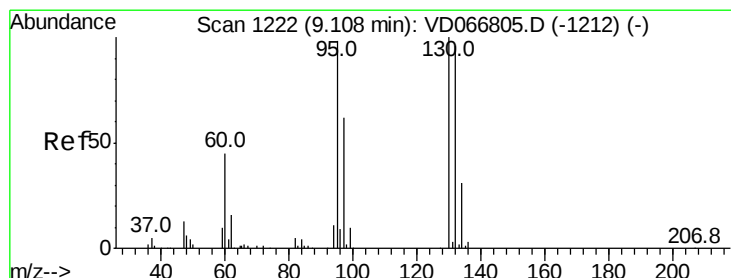
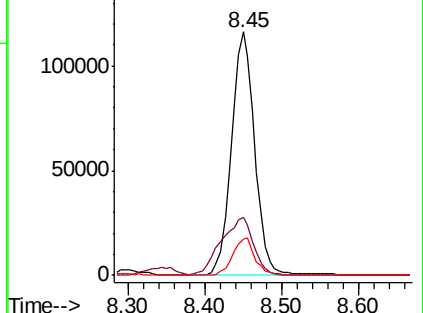
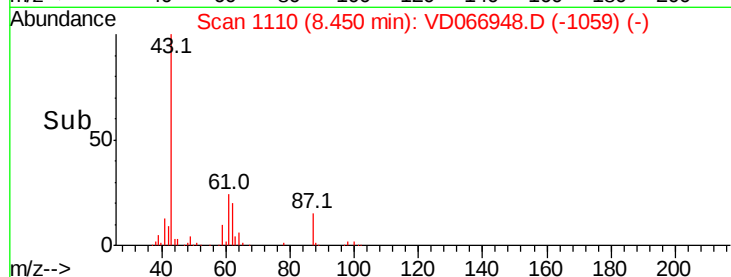
87 14.5 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.905 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066948.D

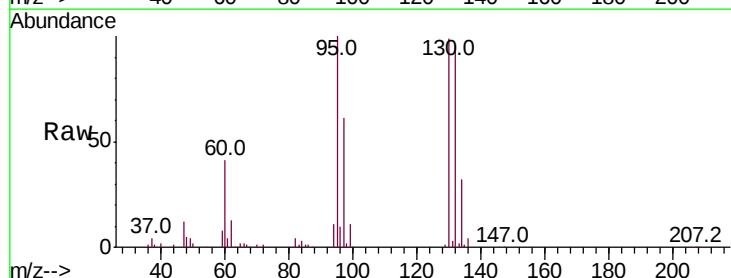
Acq: 29 Sep 2020 19:31

Tgt Ion: 130 Resp: 272073

Ion Ratio Lower Upper

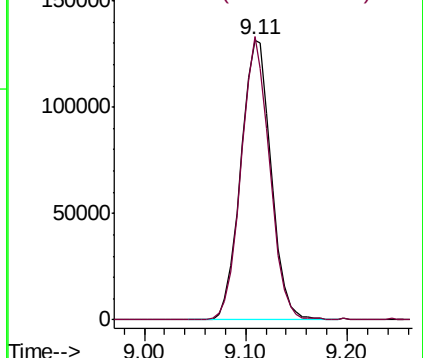
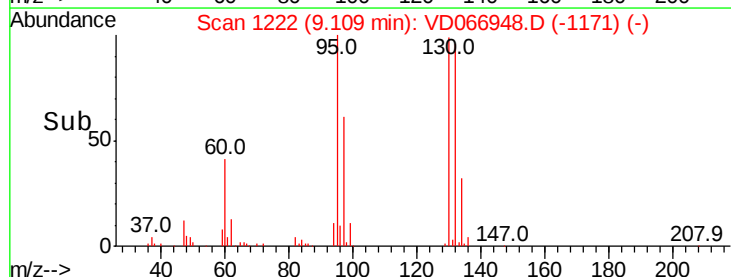
130 100

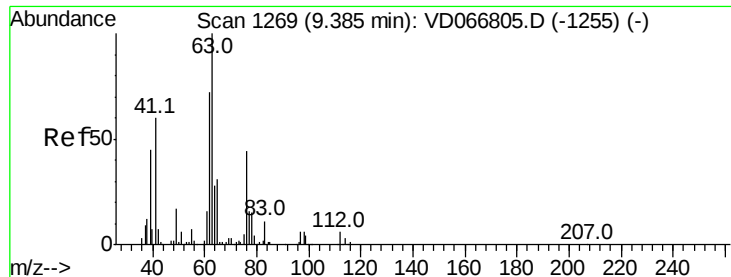
95 101.1 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.819 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

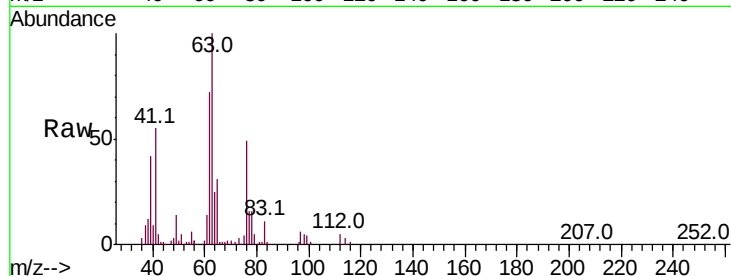
VSTDCCC050EC

Tot Ion: 63 Resp: 235407

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

60000

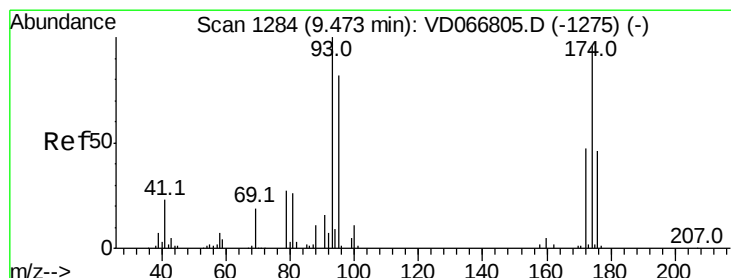
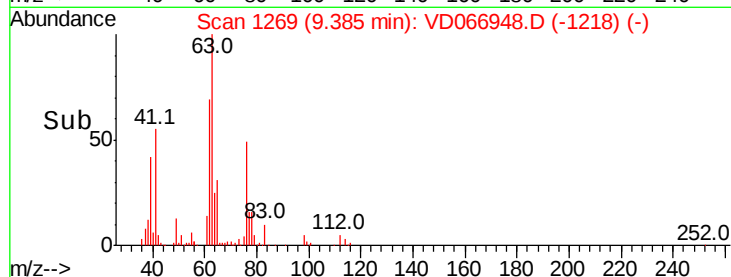
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 56.584 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

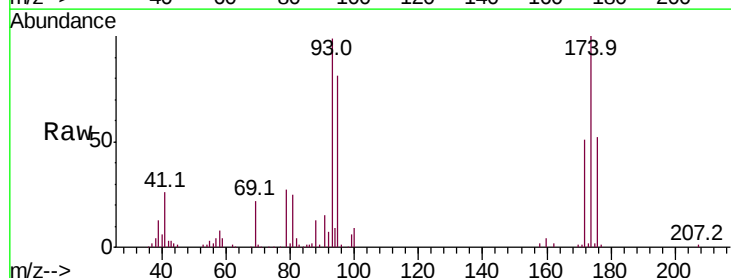
Tgt Ion: 93 Resp: 134475

Ion Ratio Lower Upper

93 100

95 81.3 65.3 97.9

174 101.4 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

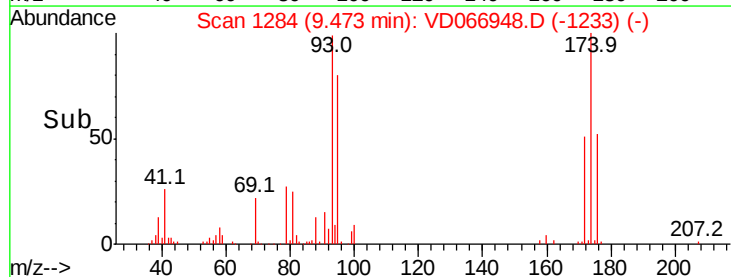
40000

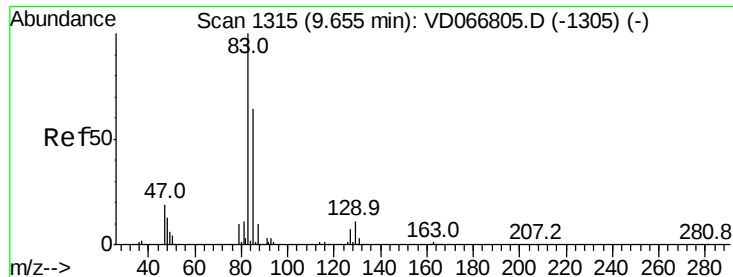
20000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 55.155 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

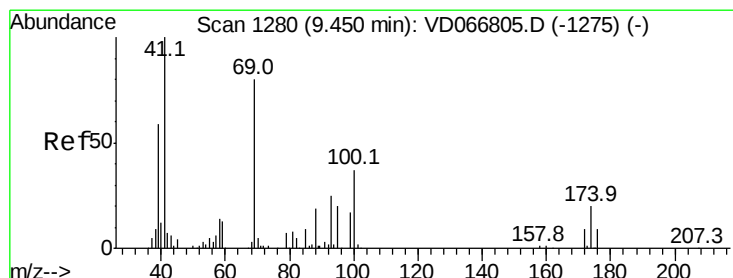
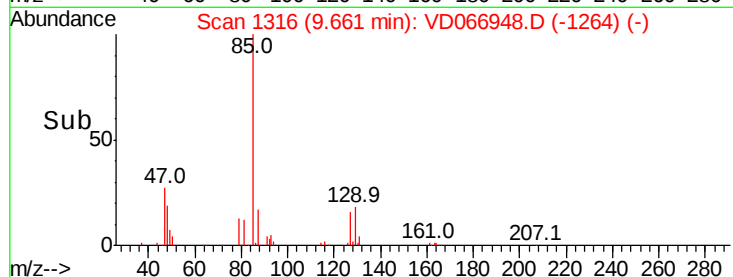
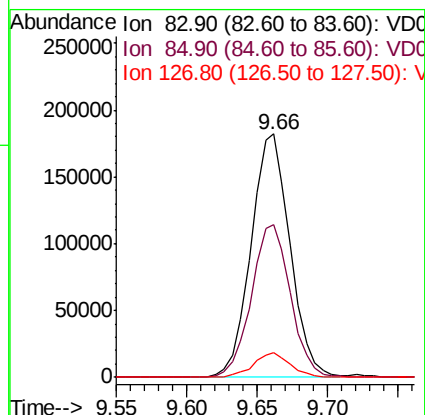
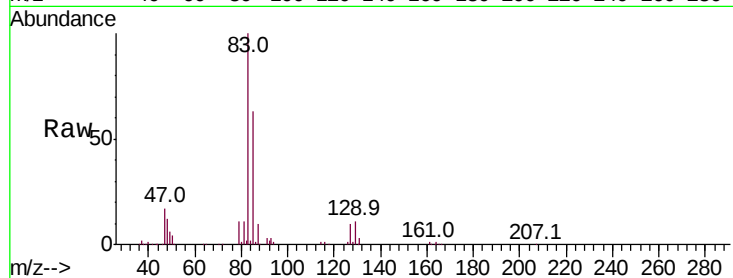
Tot Ion: 83 Resp: 352121

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

127 10.2 5.9 8.9#



#48

Methyl methacrylate

Concen: 59.993 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

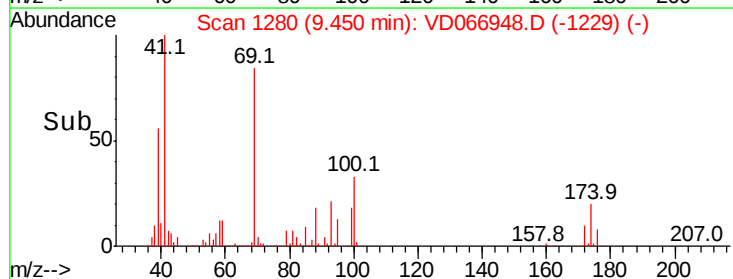
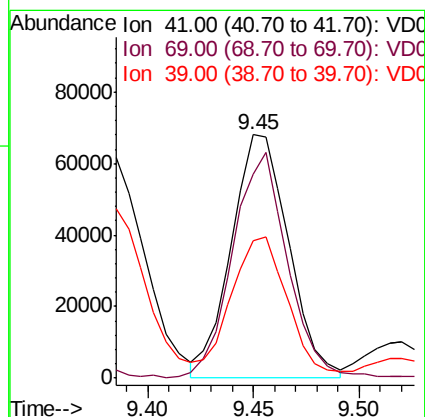
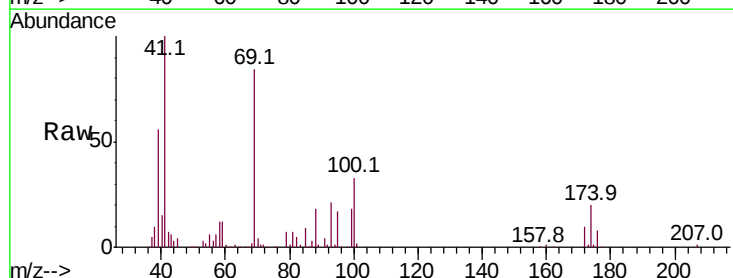
Tgt Ion: 41 Resp: 128599

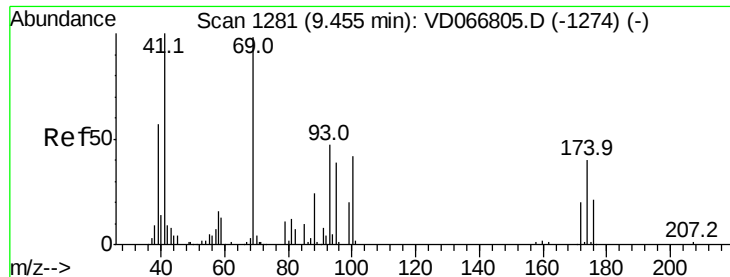
Ion Ratio Lower Upper

41 100

69 88.2 74.5 111.7

39 52.1 47.0 70.6

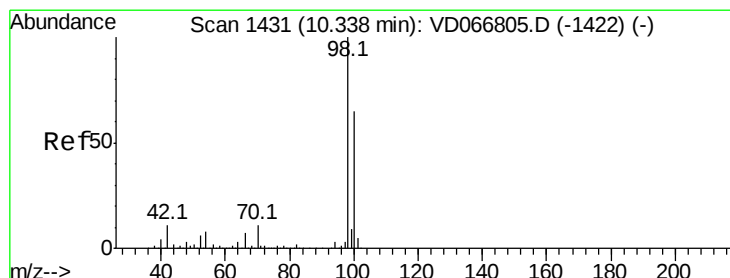
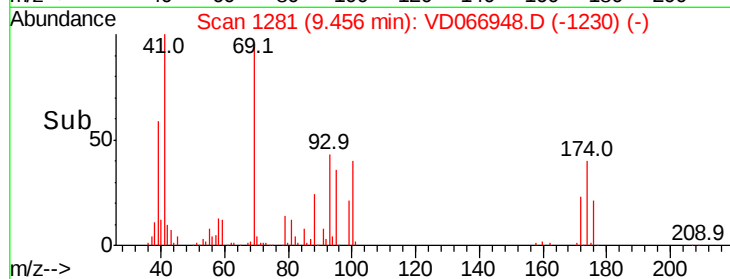
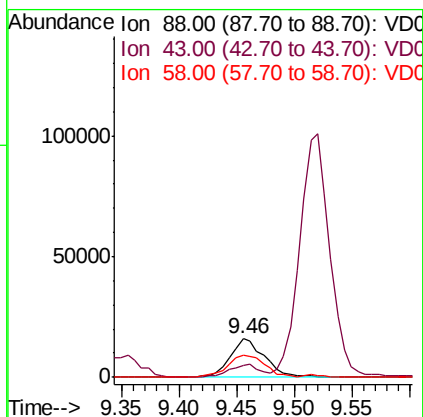
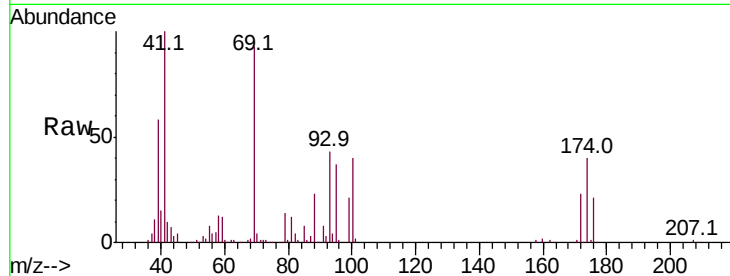




#49
1,4-Dioxane
Concen: 1247.778 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

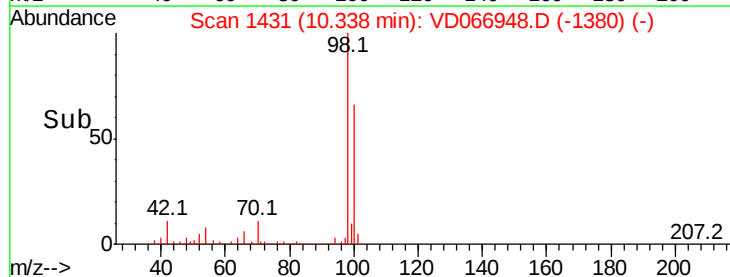
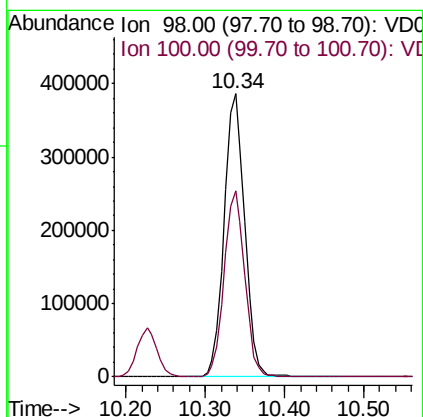
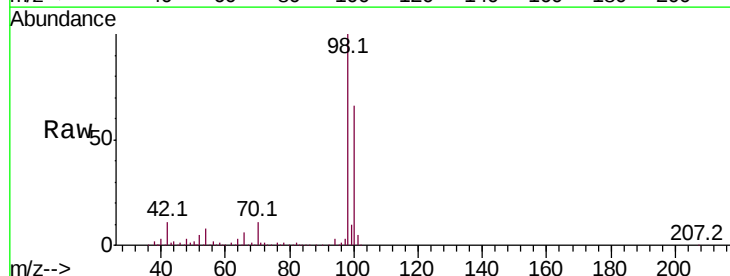
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

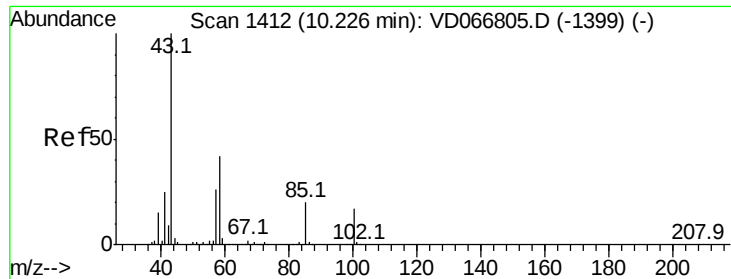
Tot Ion: 88 Resp: 32936
Ion Ratio Lower Upper
88 100
43 31.1 27.7 41.5
58 62.9 55.5 83.3



#50
Toluene-d8
Concen: 50.880 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 98 Resp: 693465
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 286.961 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

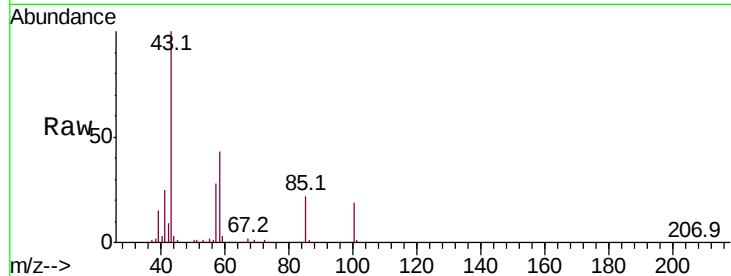
VSTDCCC050EC

Tot Ion: 43 Resp: 632168

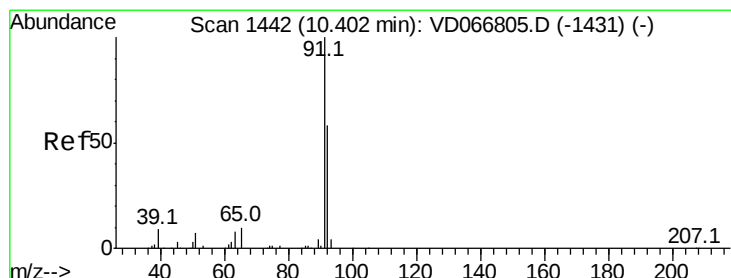
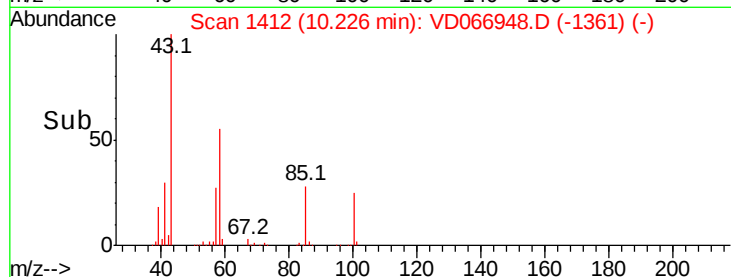
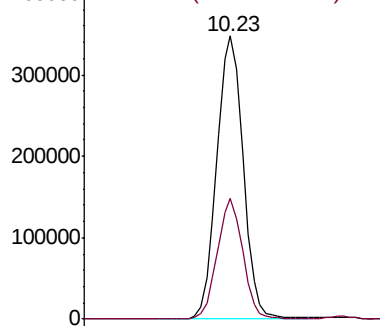
Ion Ratio Lower Upper

43 100

58 41.2 32.2 48.4



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



#52

Toluene

Concen: 55.576 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066948.D

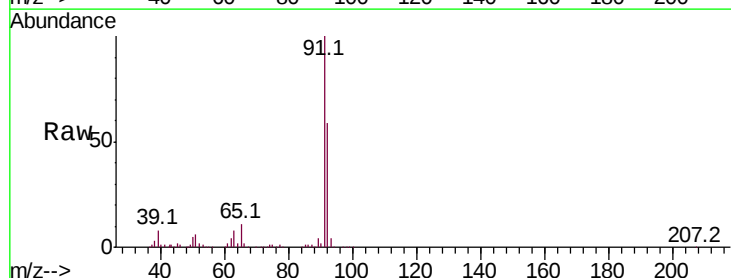
Acq: 29 Sep 2020 19:31

Tgt Ion: 92 Resp: 622357

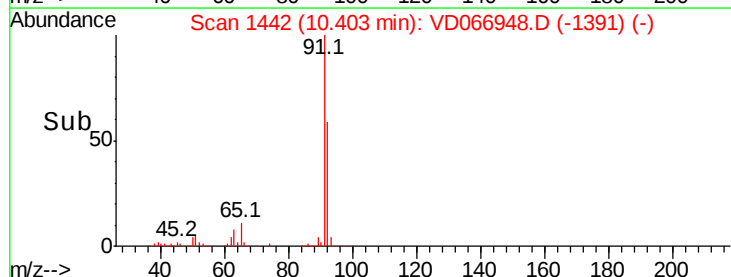
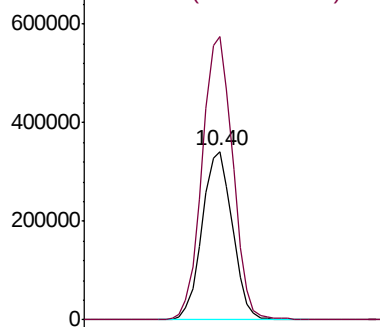
Ion Ratio Lower Upper

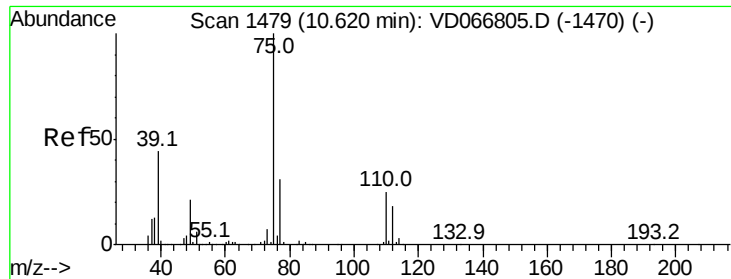
92 100

91 169.8 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.177 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

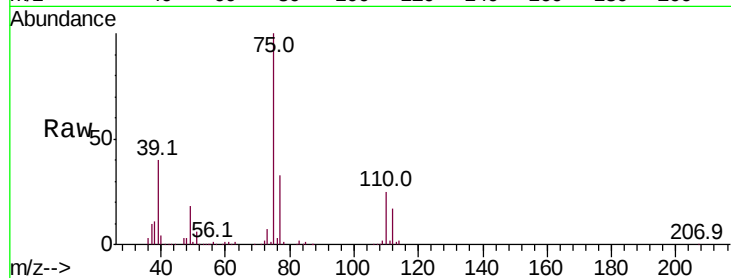
VSTDCCC050EC

Tot Ion: 75 Resp: 310687

Ion Ratio Lower Upper

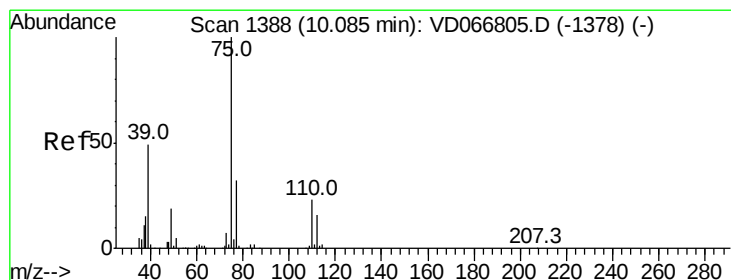
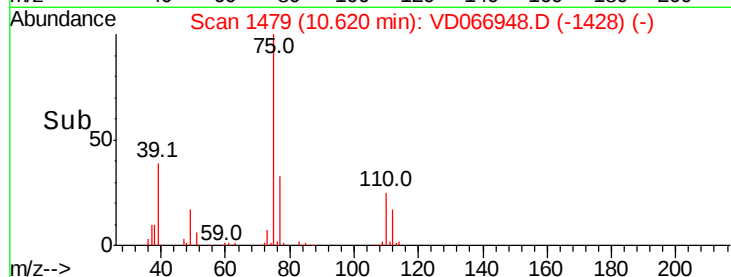
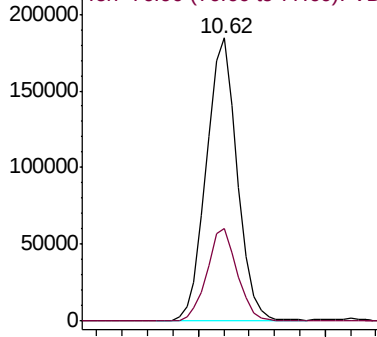
75 100

77 32.9 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.865 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

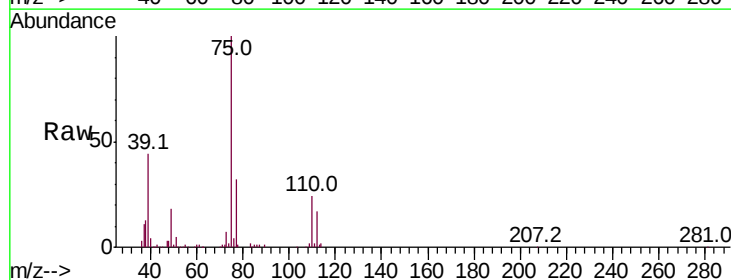
Tgt Ion: 75 Resp: 370144

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

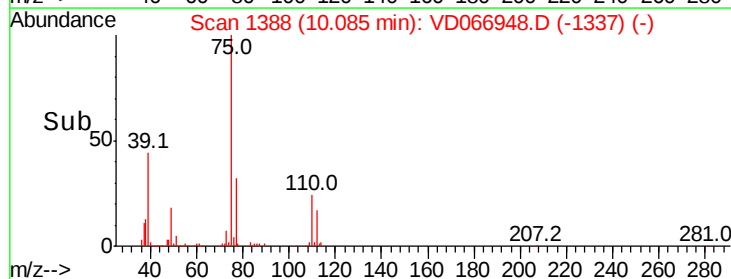
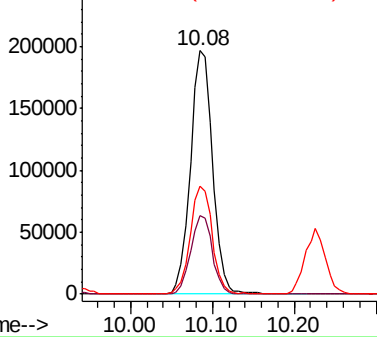
39 44.3 39.2 58.8

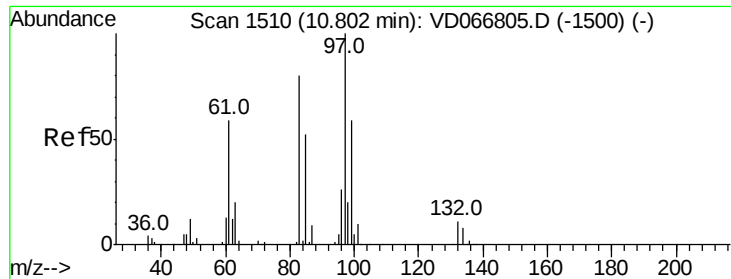


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

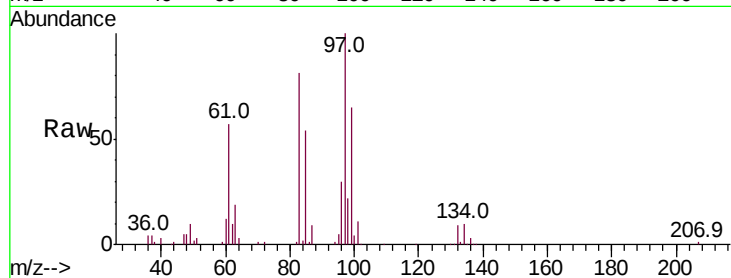




#55
 1,1,2-Trichloroethane
 Concen: 56.340 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	184067
Ion	Ratio	Lower	Upper
97	100		
83	81.5	64.2	96.2
85	54.0	41.9	62.9
99	64.8	47.5	71.3



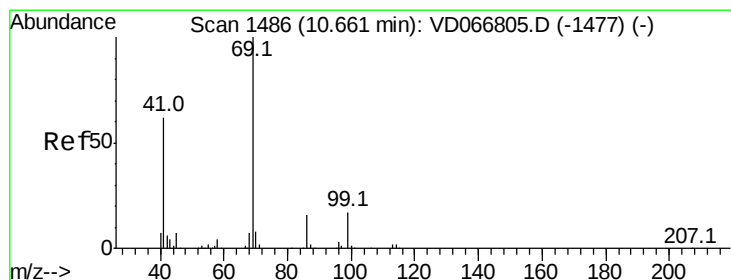
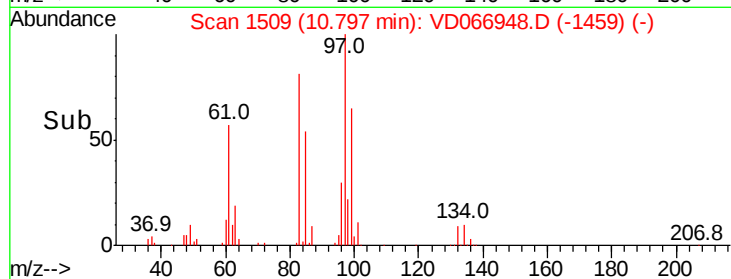
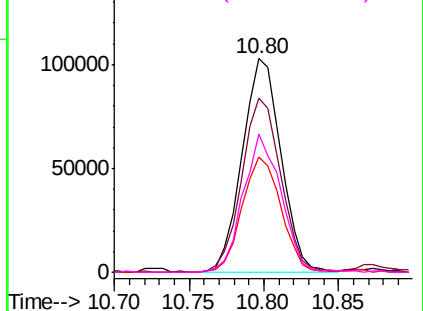
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

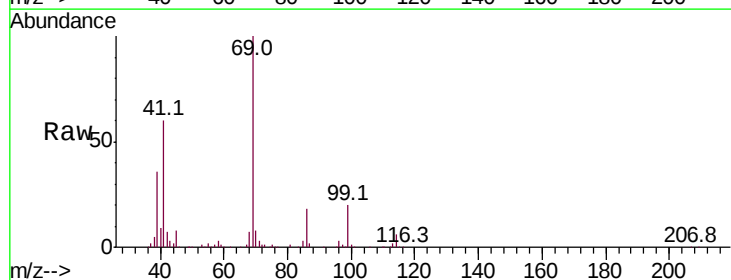
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 62.243 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion:	69	Resp:	217847
Ion	Ratio	Lower	Upper
69	100		
41	62.1	52.2	78.2
39	31.9	26.6	40.0

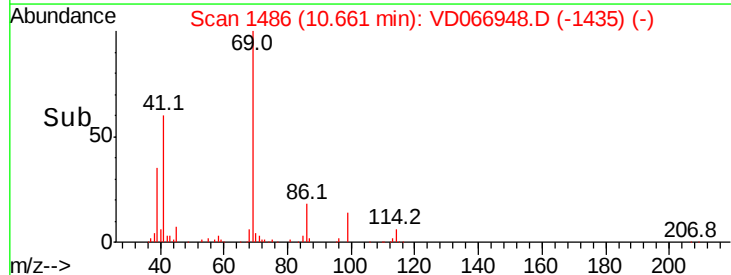
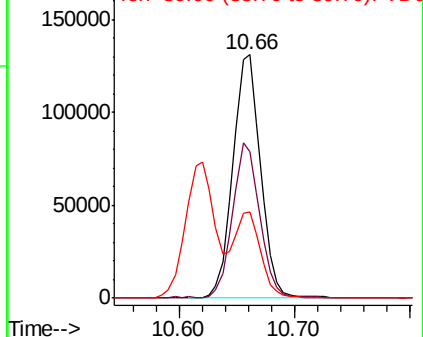


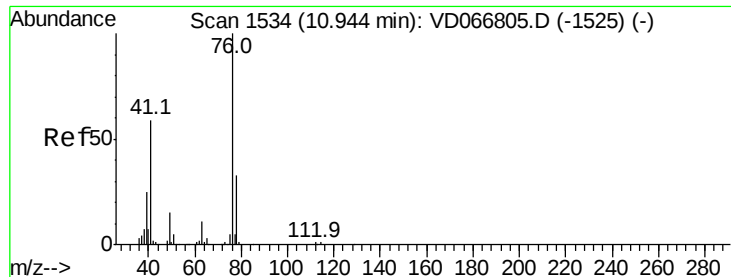
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 56.635 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

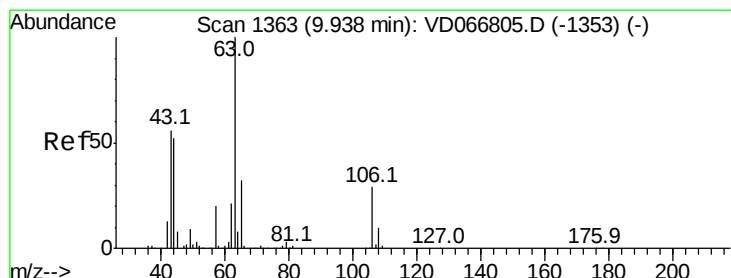
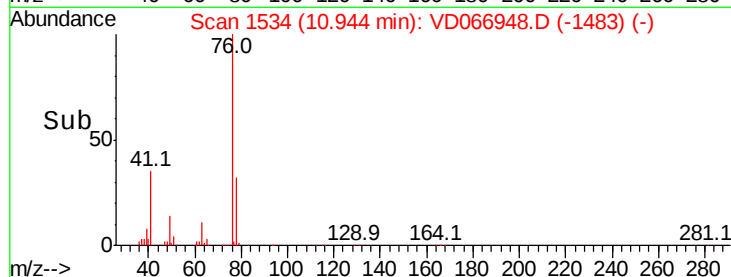
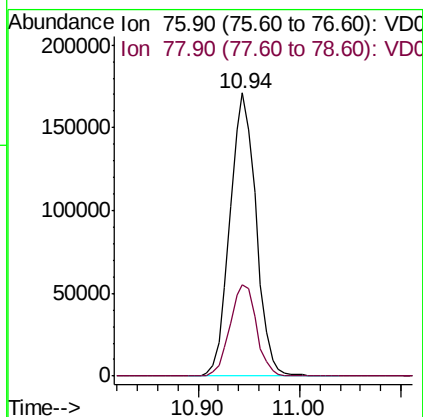
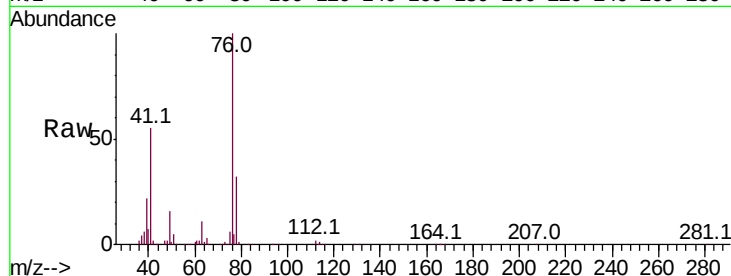
VSTDCCC050EC

Tot Ion: 76 Resp: 305532

Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 251.022 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066948.D

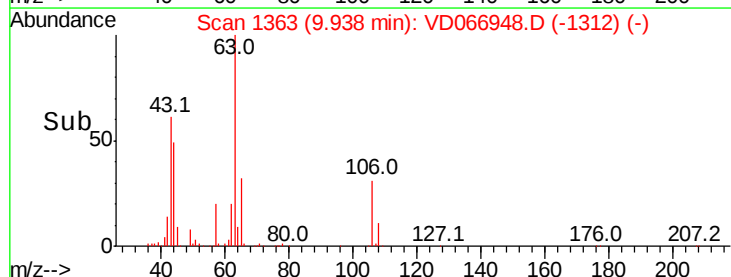
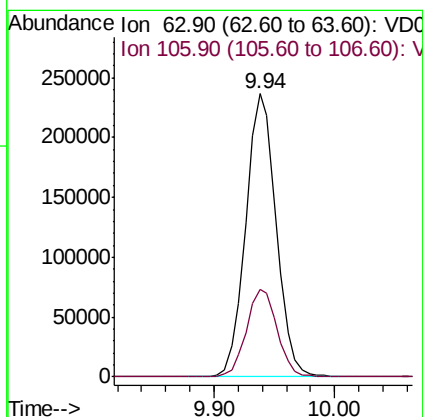
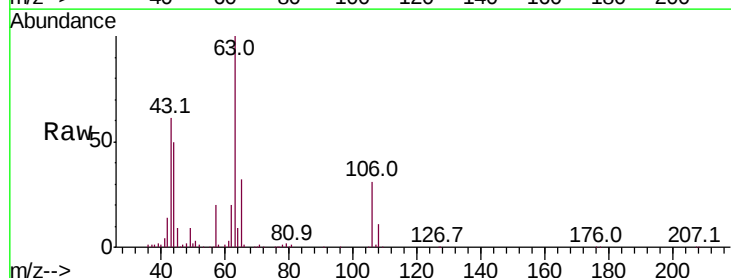
Acq: 29 Sep 2020 19:31

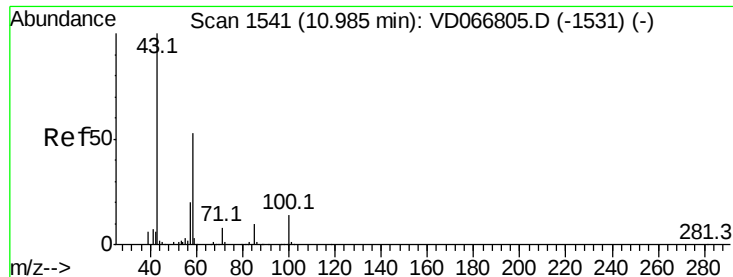
Tgt Ion: 63 Resp: 415995

Ion Ratio Lower Upper

63 100

106 31.4 23.8 35.6

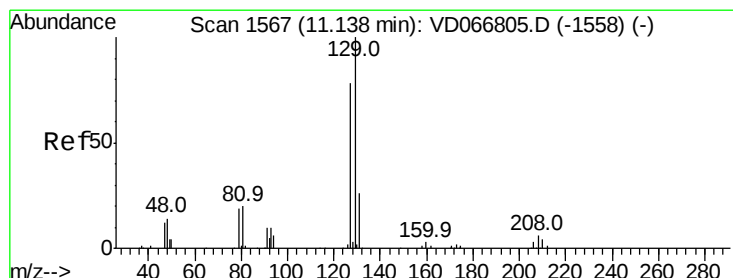
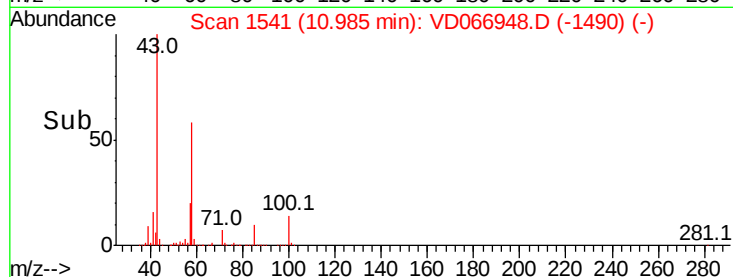
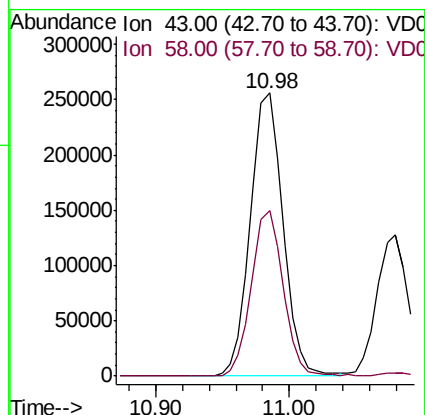
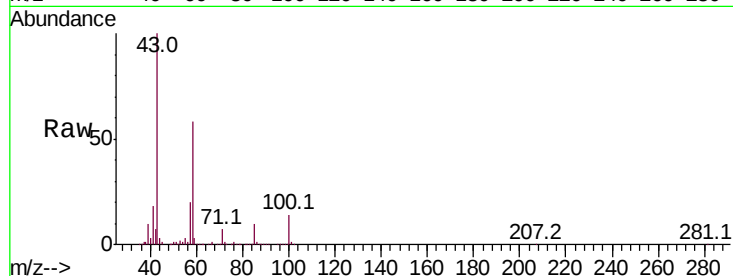




#59
2-Hexanone
Concen: 291.116 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

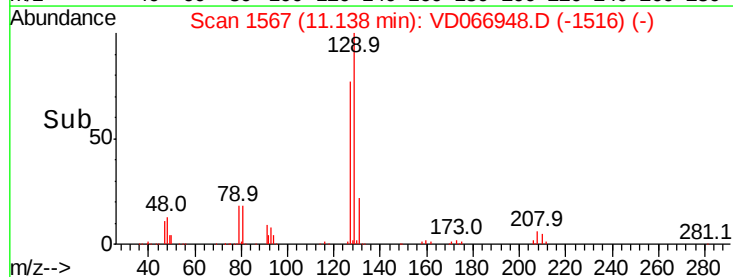
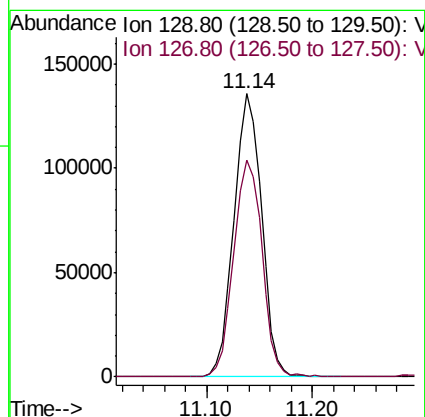
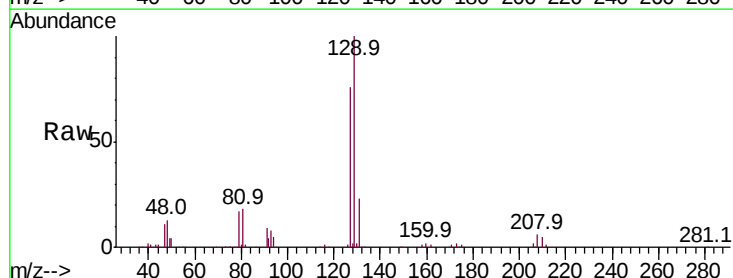
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

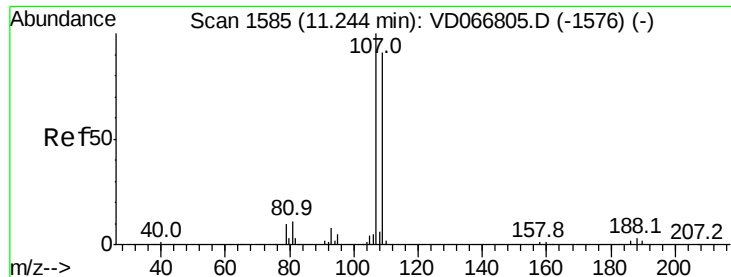
Tot Ion: 43 Resp: 432491
Ion Ratio Lower Upper
43 100
58 57.1 27.0 80.8



#60
Dibromochloromethane
Concen: 57.686 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 129 Resp: 245971
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

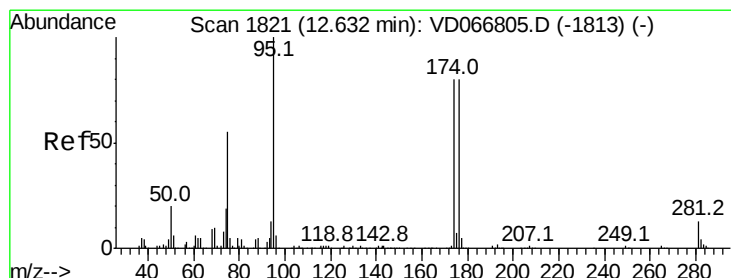
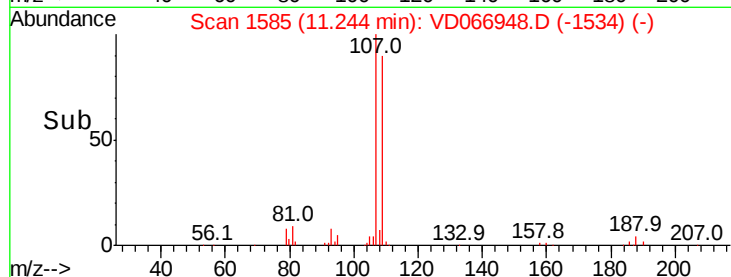
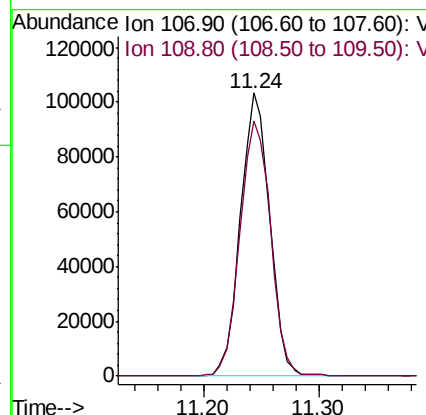
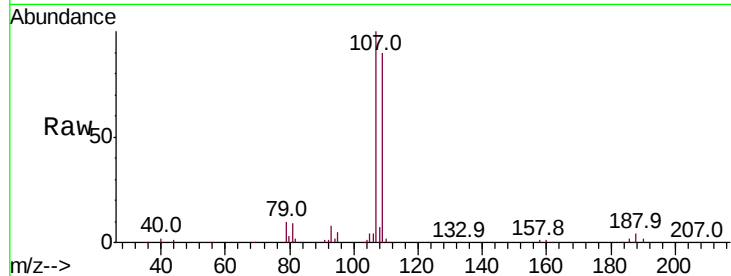




#61
 1,2-Dibromoethane
 Concen: 59.682 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

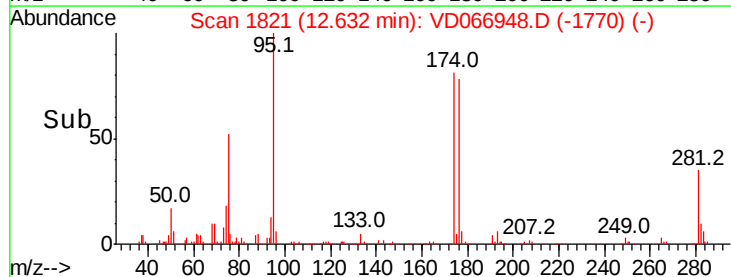
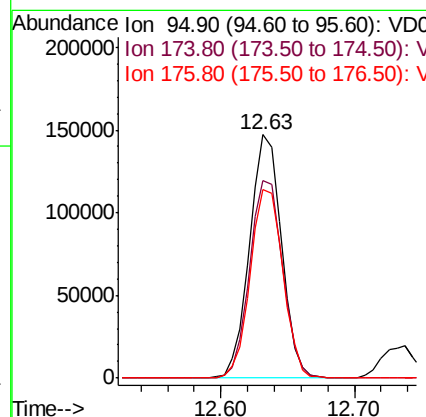
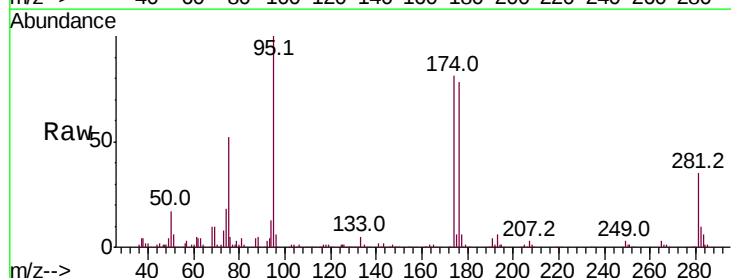
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

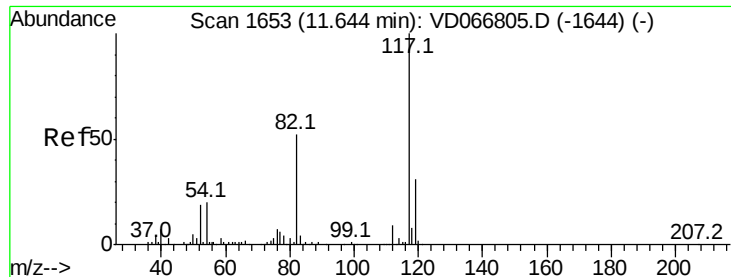
Tot Ion:107 Resp: 181361
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.900 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 95 Resp: 242158
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 159.8
 176 79.4 0.0 154.4

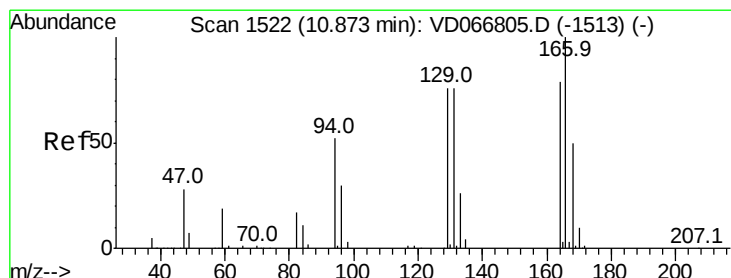
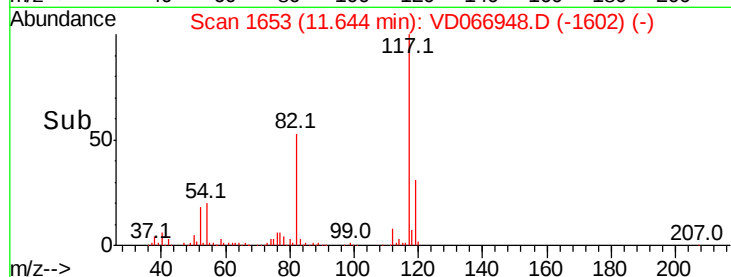
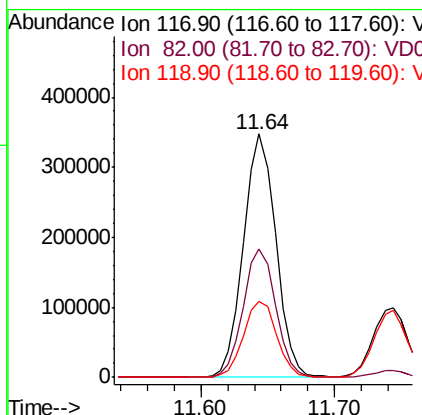
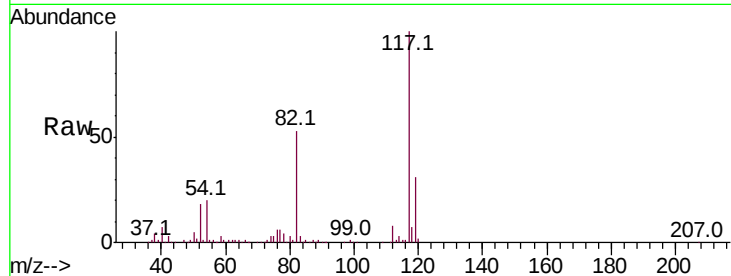




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

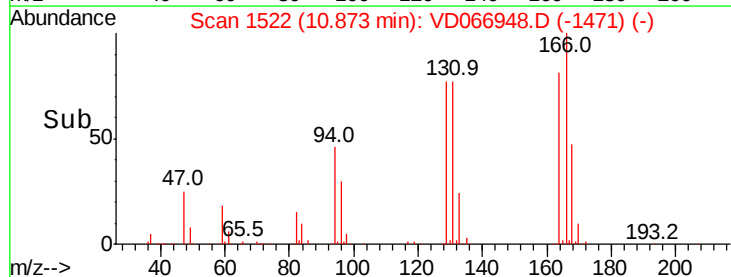
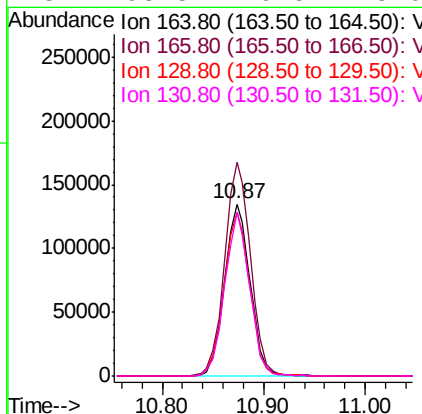
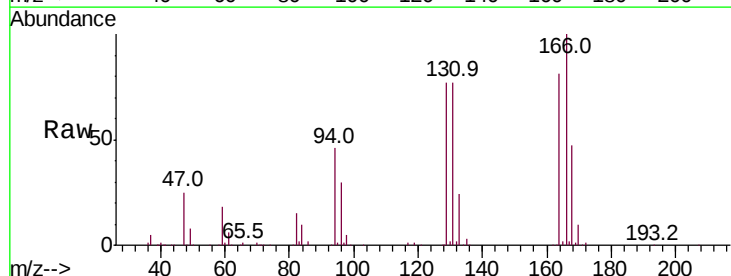
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

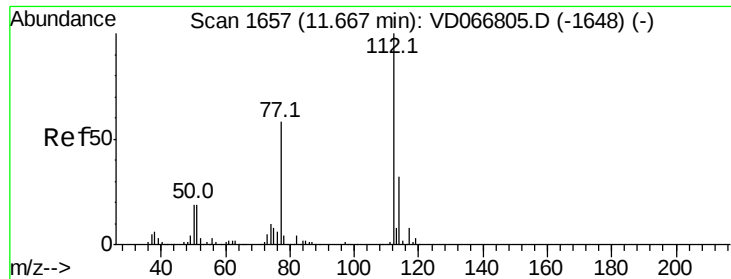
Tot Ion:117 Resp: 585148
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.6
119 30.9 24.6 37.0



#64
Tetrachloroethene
Concen: 55.874 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:164 Resp: 235177
Ion Ratio Lower Upper
164 100
166 124.2 101.1 151.7
129 95.5 77.0 115.4
131 95.5 76.6 115.0





#65

Chlorobenzene

Concen: 54.797 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

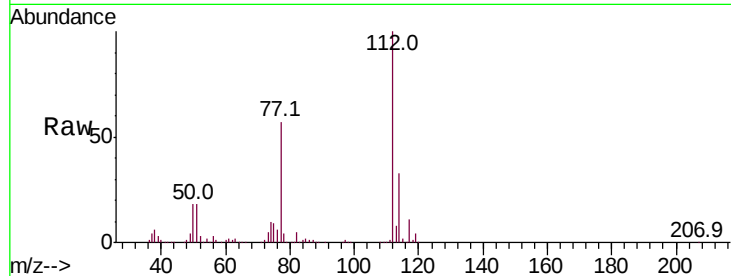
VSTDCCC050EC

Tot Ion:112 Resp: 667440

Ion Ratio Lower Upper

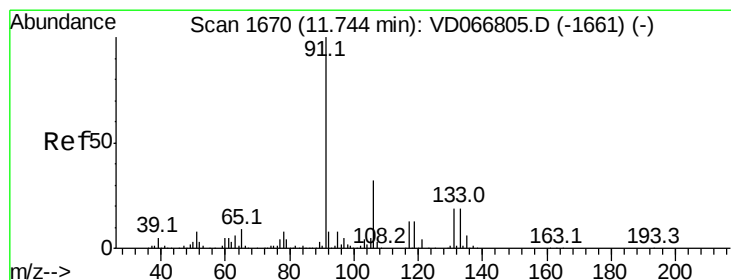
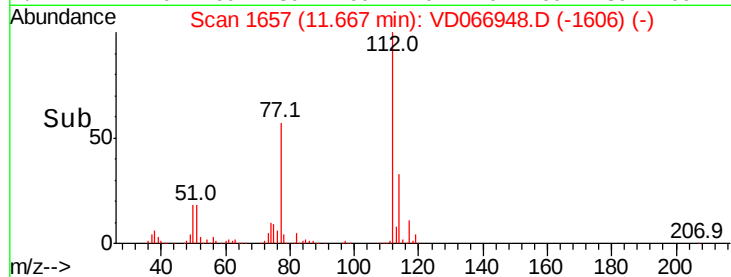
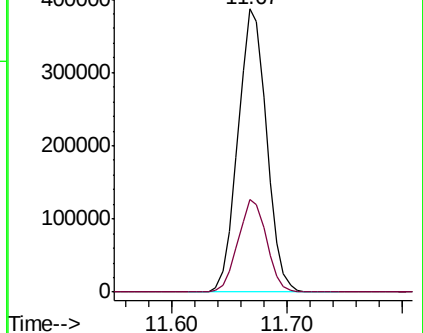
112 100

114 32.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.933 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

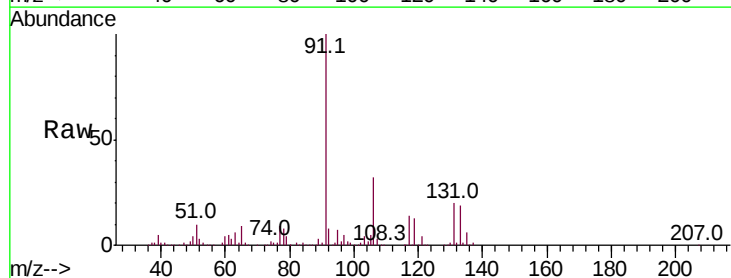
Tgt Ion:131 Resp: 257847

Ion Ratio Lower Upper

131 100

133 97.1 46.7 140.1

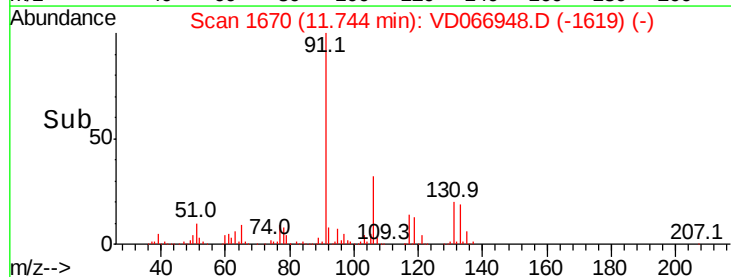
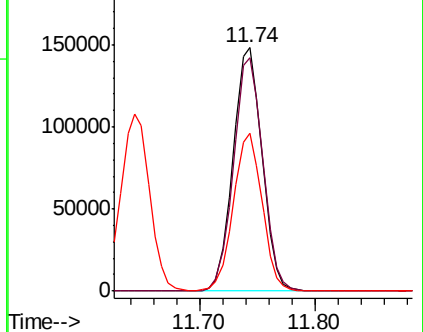
119 64.5 32.3 96.9

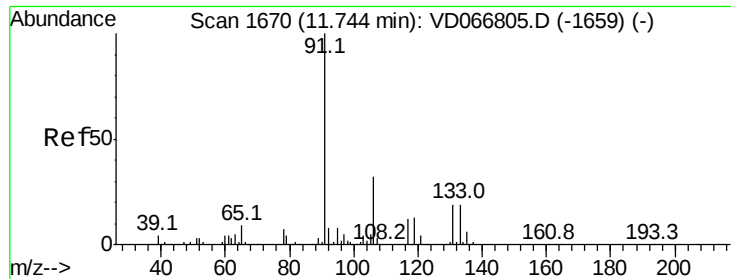


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.516 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

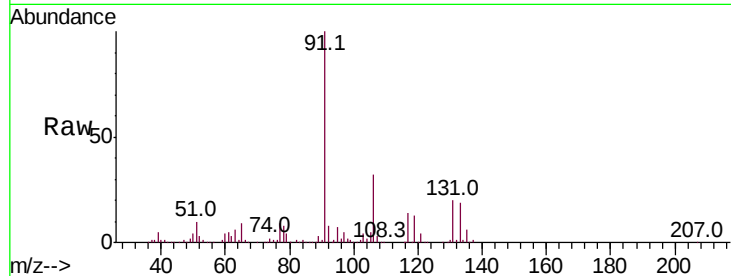
VSTDCCC050EC

Tot Ion: 91 Resp: 1187611

Ion Ratio Lower Upper

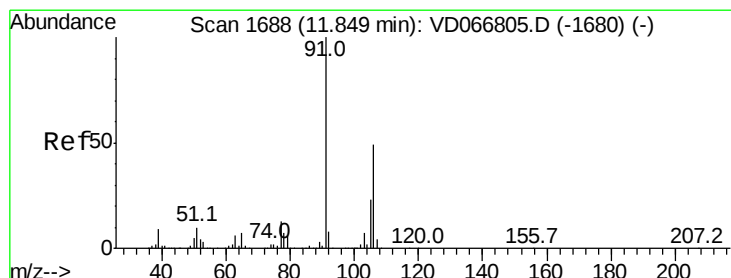
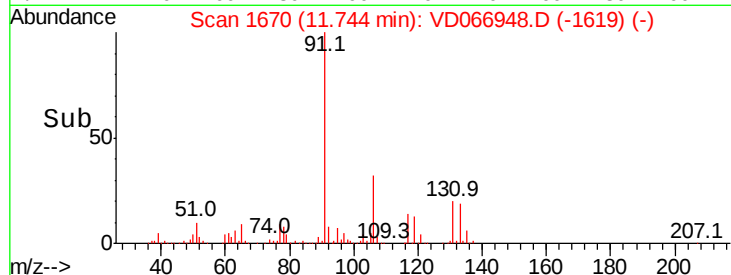
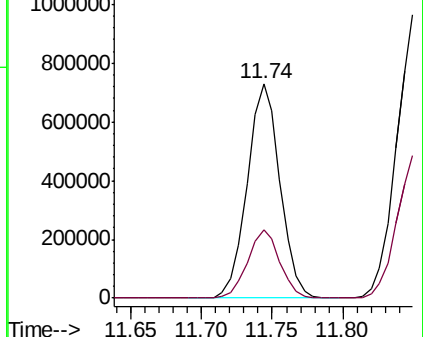
91 100

106 31.8 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 114.050 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066948.D

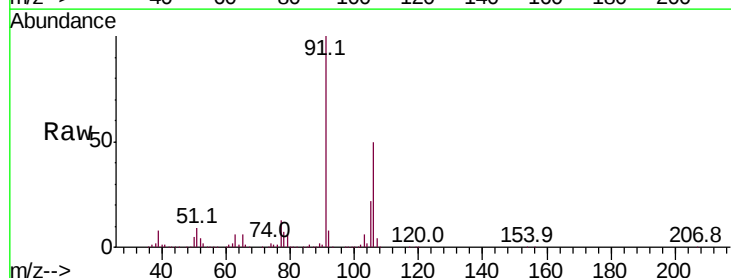
Acq: 29 Sep 2020 19:31

Tgt Ion:106 Resp: 923736

Ion Ratio Lower Upper

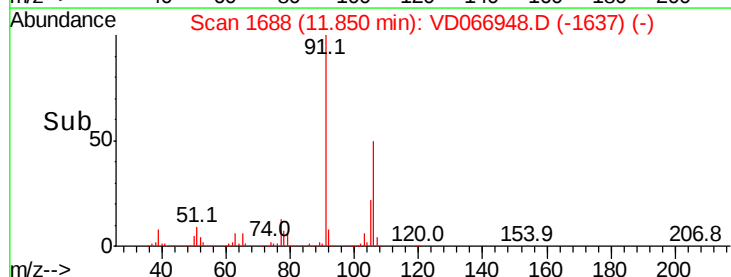
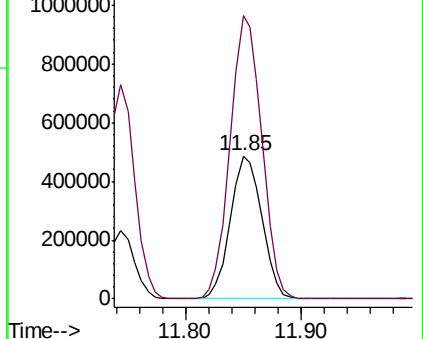
106 100

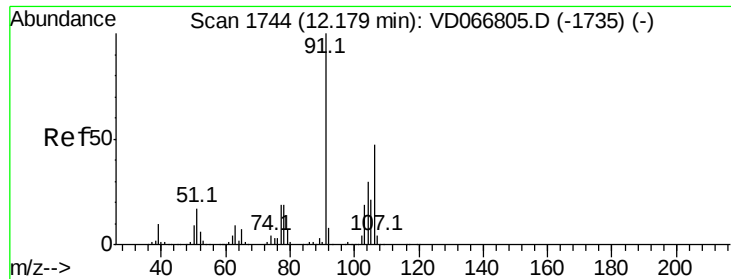
91 198.2 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

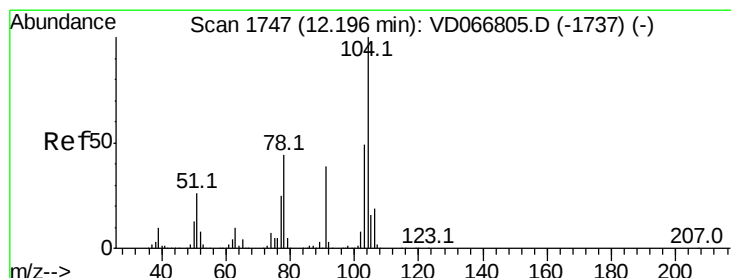
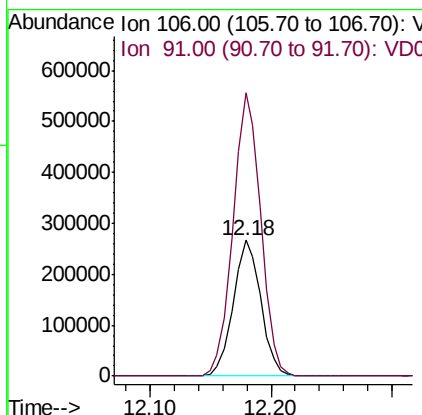
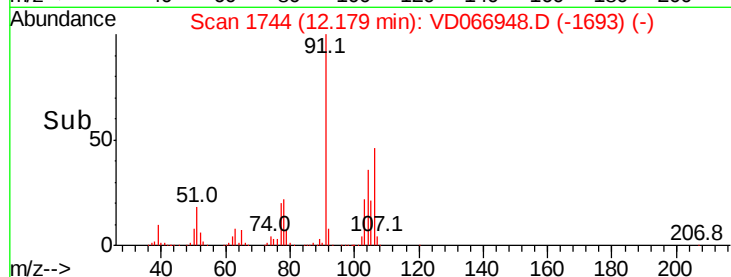
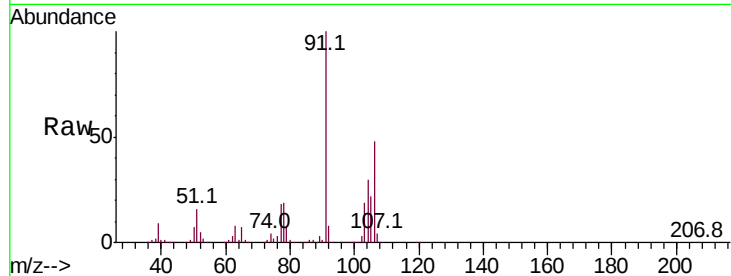




#69
o-Xylene
Concen: 58.064 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

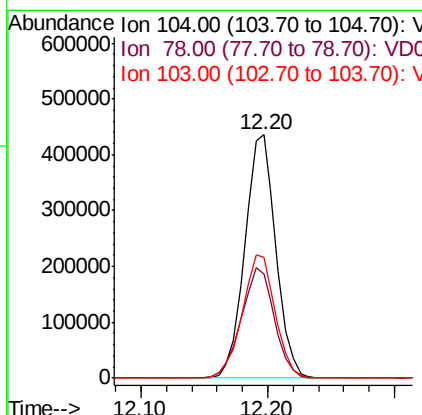
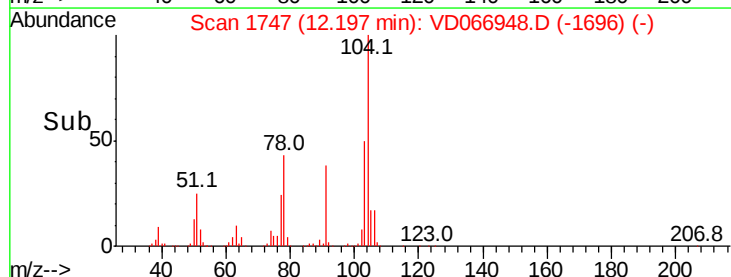
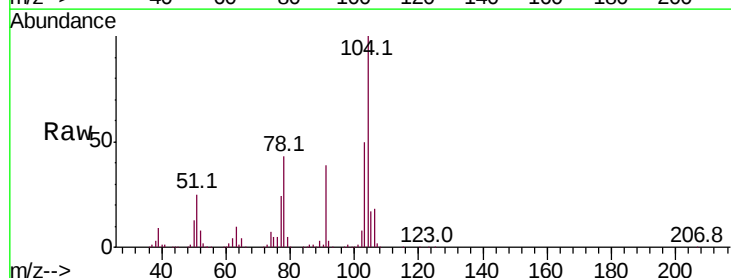
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

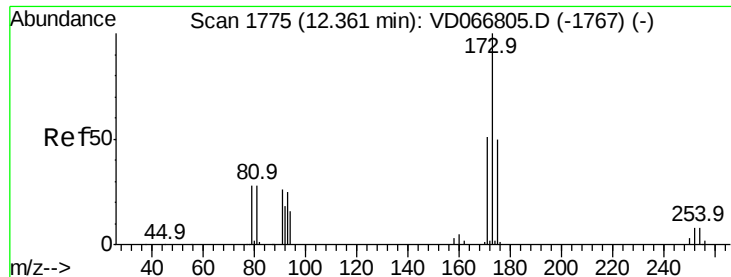
Tot Ion:106 Resp: 425245
Ion Ratio Lower Upper
106 100
91 209.0 106.3 318.8



#70
Styrene
Concen: 58.098 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:104 Resp: 738928
Ion Ratio Lower Upper
104 100
78 48.4 38.9 58.3
103 53.9 43.2 64.8





#71

Bromoform

Concen: 58.508 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

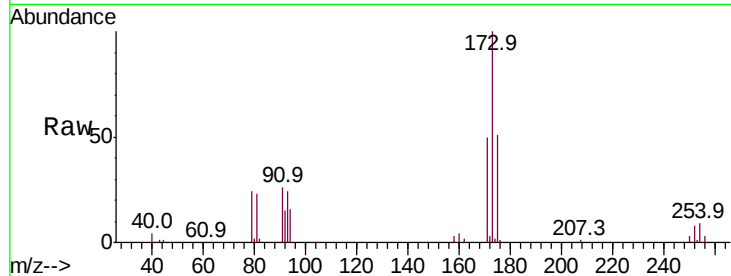
Tot Ion:173 Resp: 136562

Ion Ratio Lower Upper

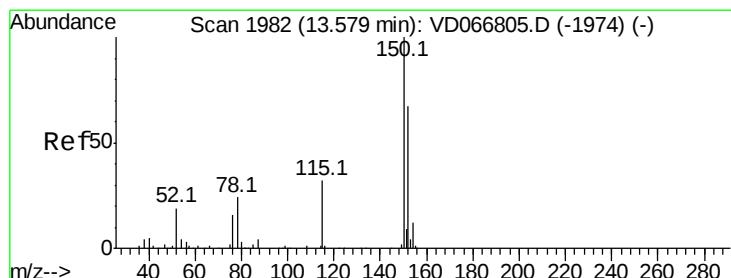
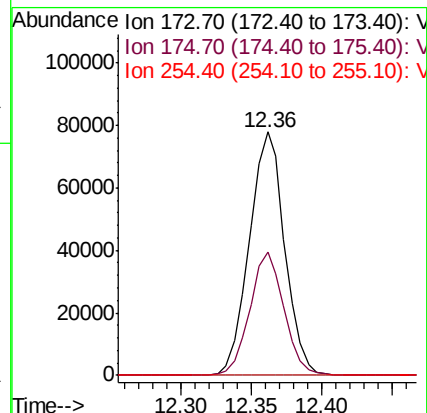
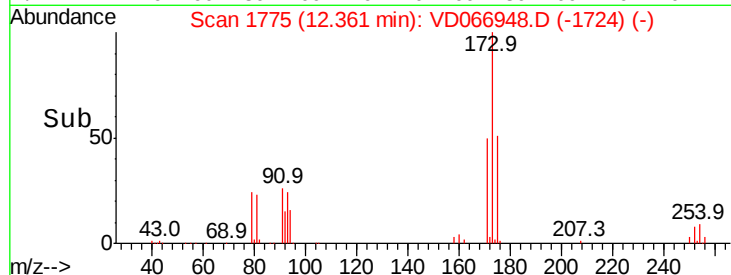
173 100

175 48.8 24.9 74.6

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

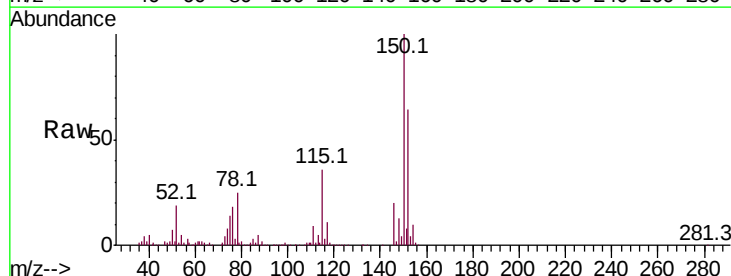
Tgt Ion:152 Resp: 284029

Ion Ratio Lower Upper

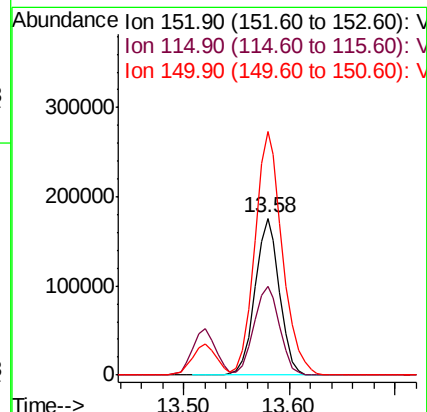
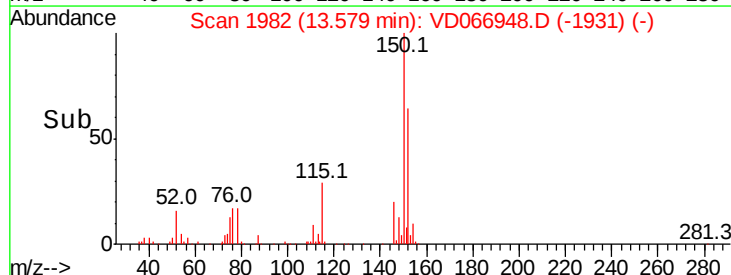
152 100

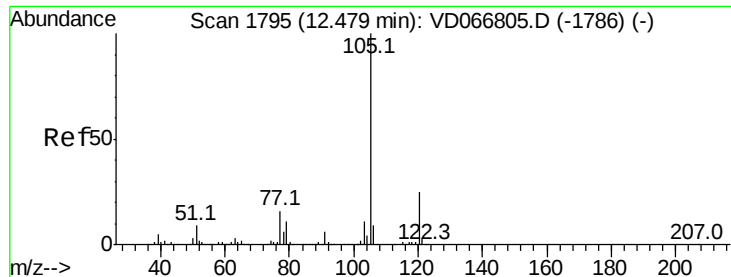
115 59.4 30.3 91.0

150 173.5 0.0 346.2



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





#73

Isopropylbenzene

Concen: 56.104 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

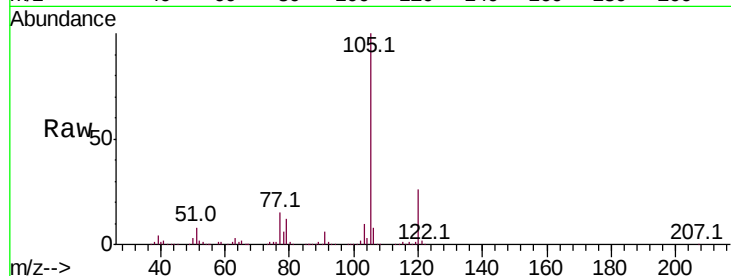
VSTDCCC050EC

Tot Ion:105 Resp: 1151147

Ion Ratio Lower Upper

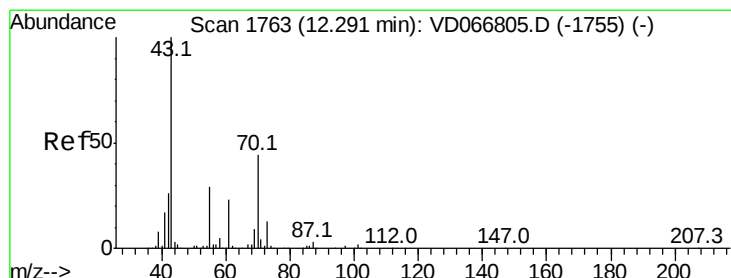
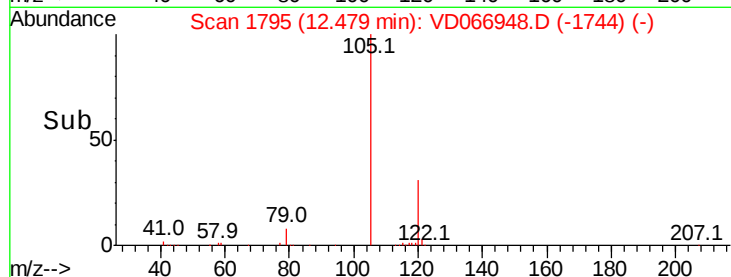
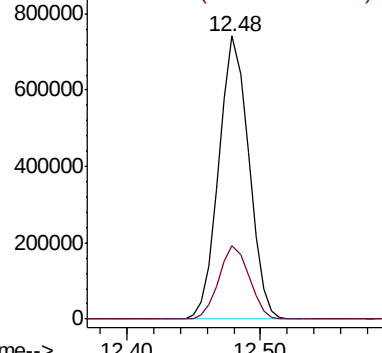
105 100

120 26.3 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.968 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion: 43 Resp: 224257

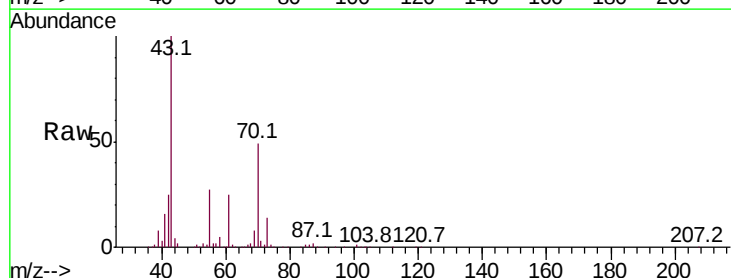
Ion Ratio Lower Upper

43 100

70 47.4 36.1 54.1

55 28.1 21.8 32.8

61 25.1 19.0 28.4

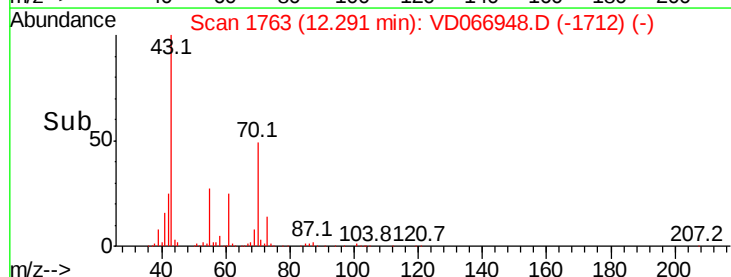
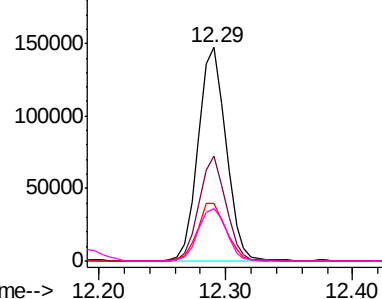


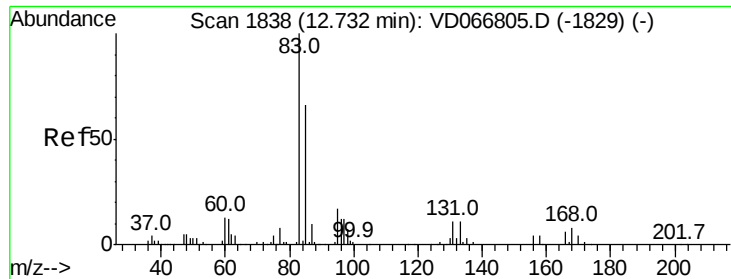
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.621 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

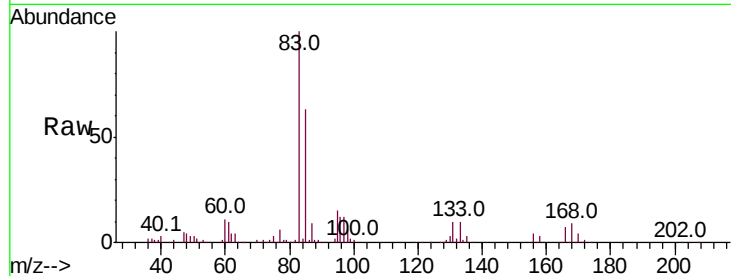
Tot Ion: 83 Resp: 196929

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

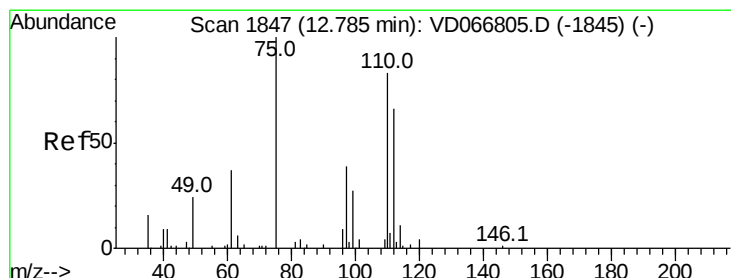
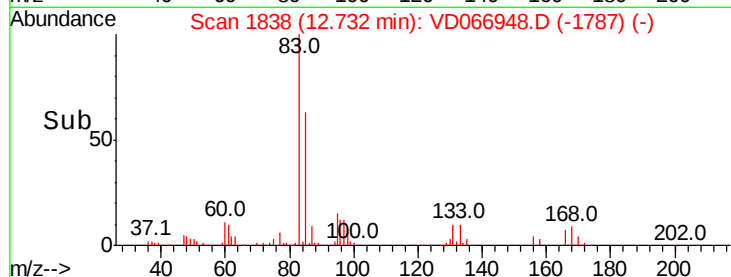
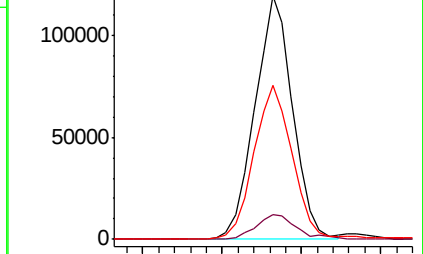
85 64.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 106.480 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066948.D

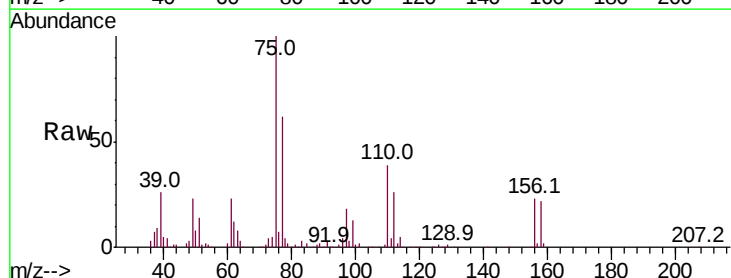
Acq: 29 Sep 2020 19:31

Tgt Ion: 75 Resp: 250634

Ion Ratio Lower Upper

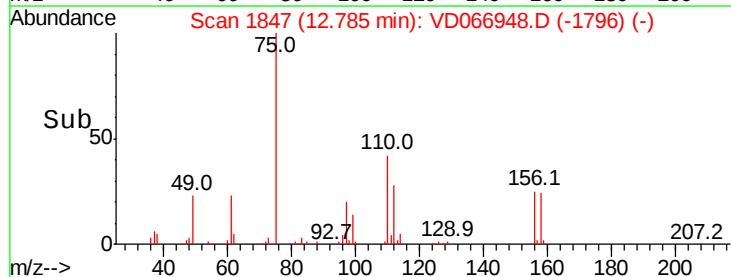
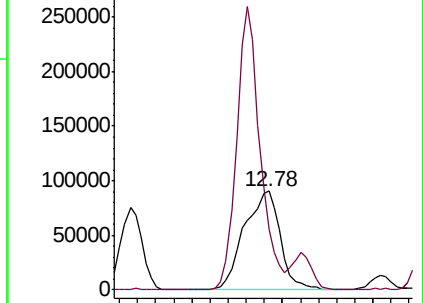
75 100

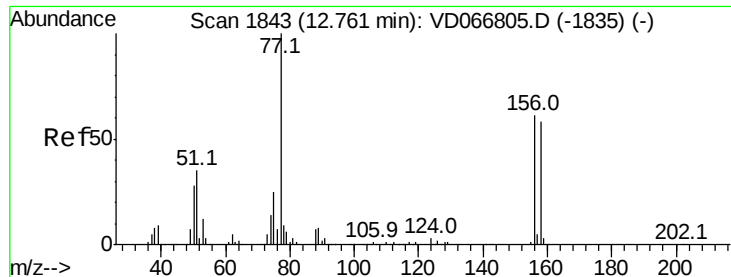
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 56.403 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

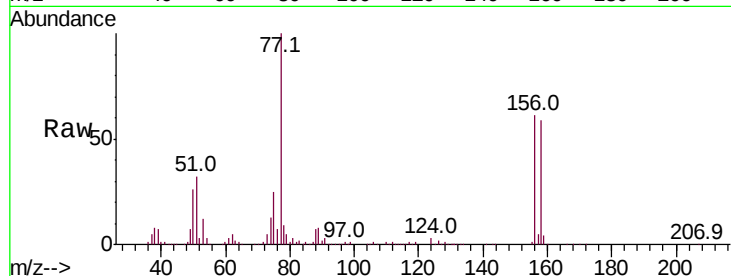
Tot Ion:156 Resp: 270663

Ion Ratio Lower Upper

156 100

77 174.2 92.3 276.9

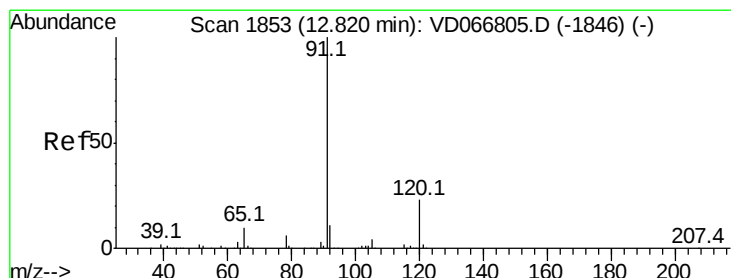
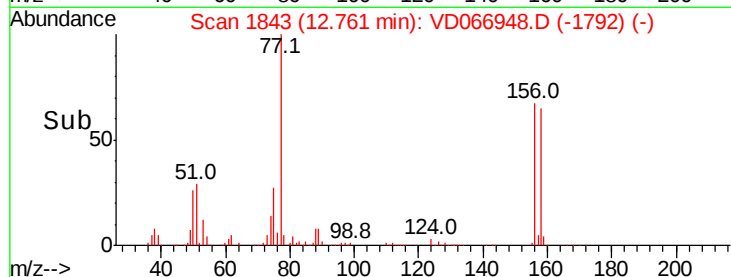
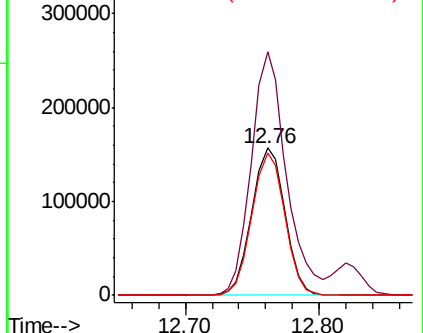
158 95.4 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.142 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066948.D

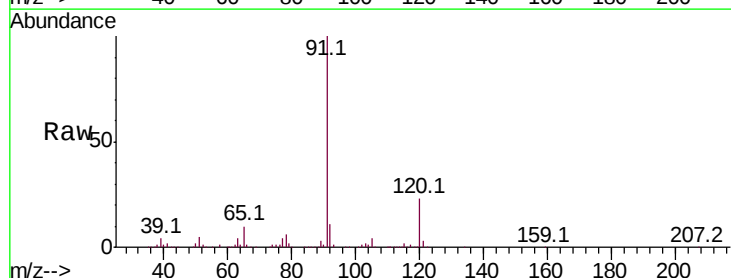
Acq: 29 Sep 2020 19:31

Tgt Ion: 91 Resp: 1336464

Ion Ratio Lower Upper

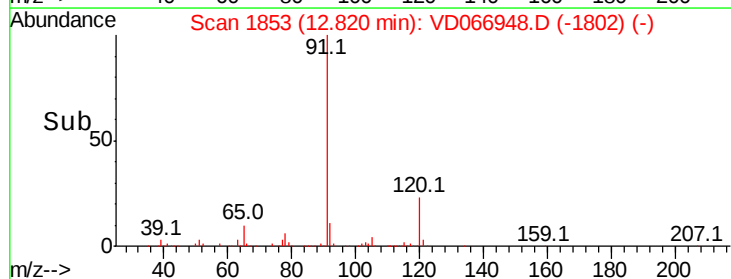
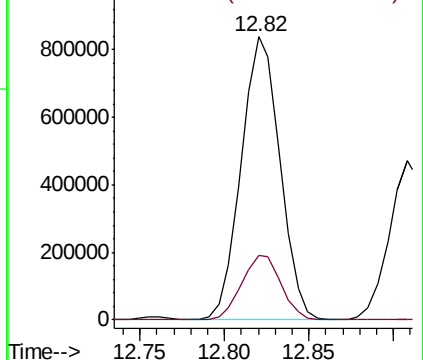
91 100

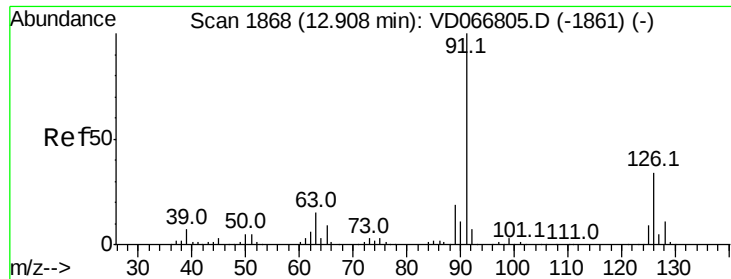
120 23.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

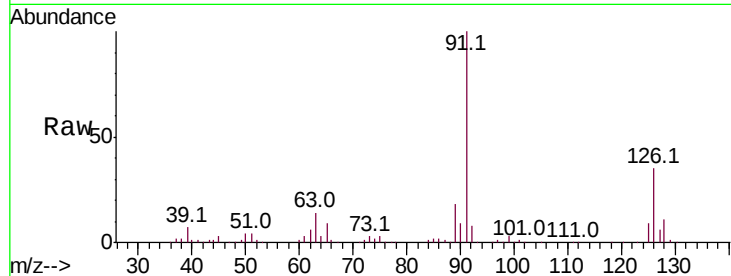




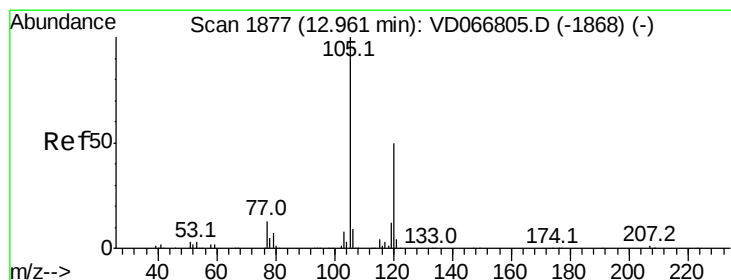
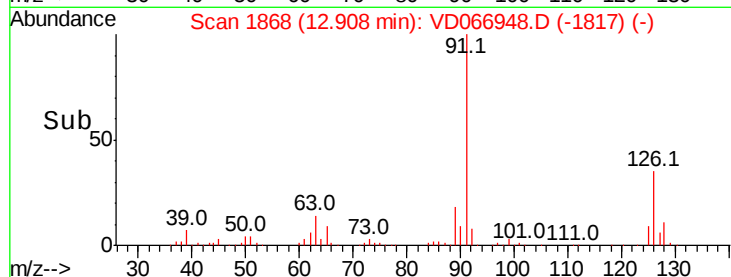
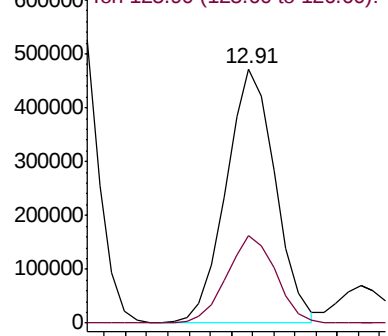
#79
2-Chlorotoluene
Concen: 54.119 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 761257
Ion Ratio Lower Upper
91 100
126 34.7 17.0 51.0

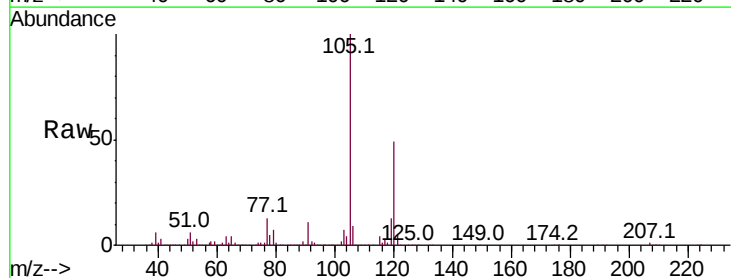


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

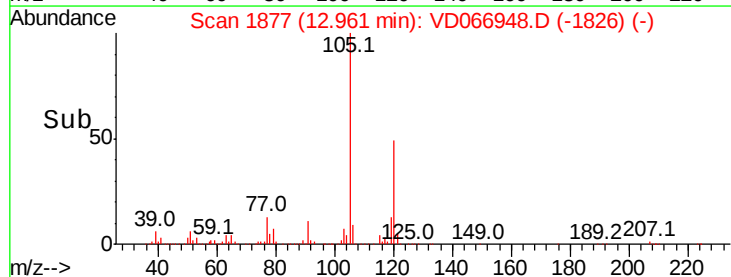
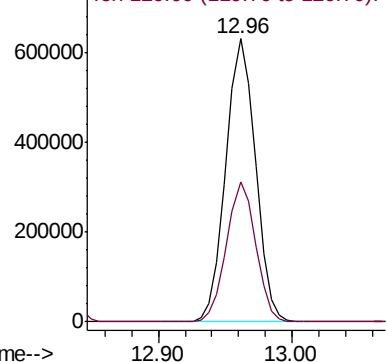


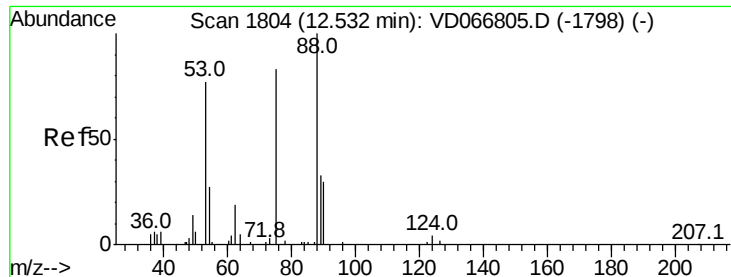
#80
1,3,5-Trimethylbenzene
Concen: 55.614 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:105 Resp: 968242
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 58.478 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

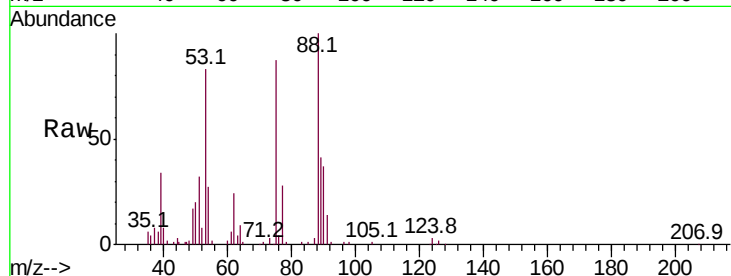
Tot Ion: 75 Resp: 55016

Ion Ratio Lower Upper

75 100

53 93.0 78.5 117.7

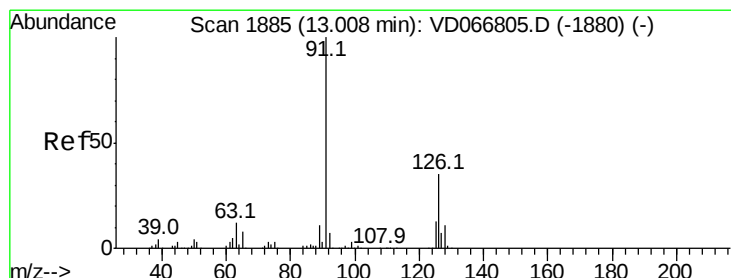
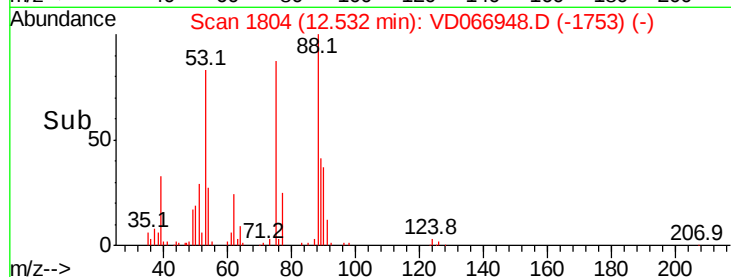
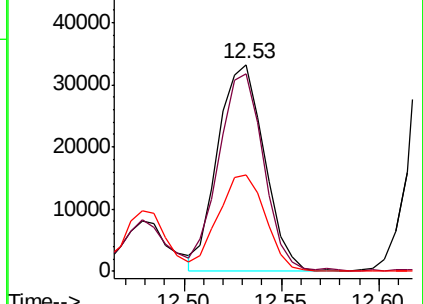
89 47.5 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.517 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066948.D

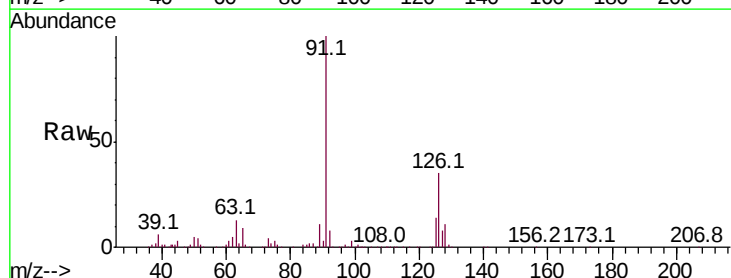
Acq: 29 Sep 2020 19:31

Tgt Ion: 91 Resp: 808381

Ion Ratio Lower Upper

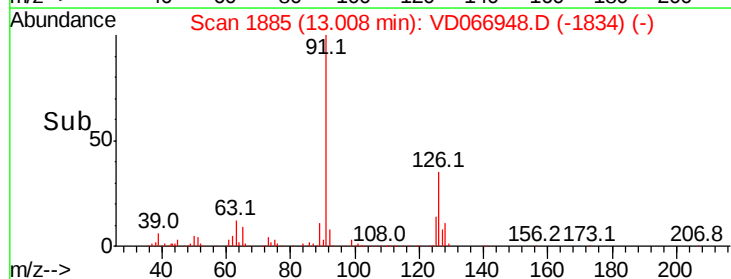
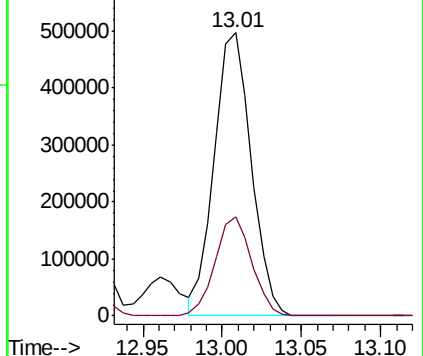
91 100

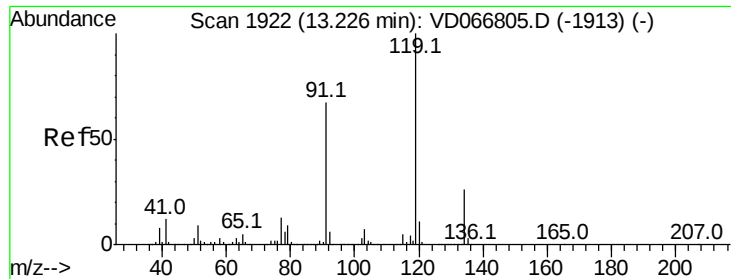
126 34.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

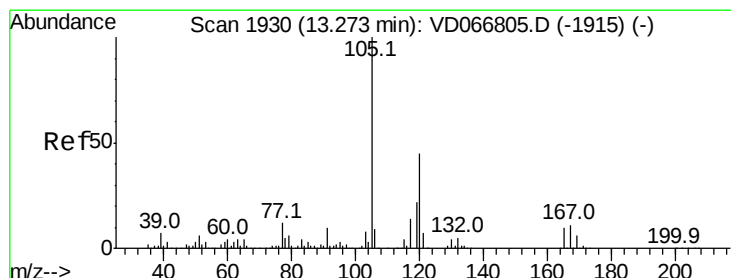
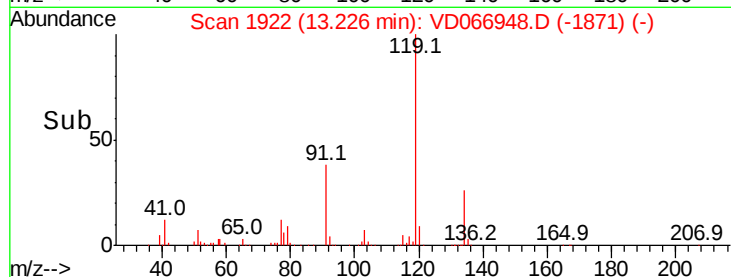
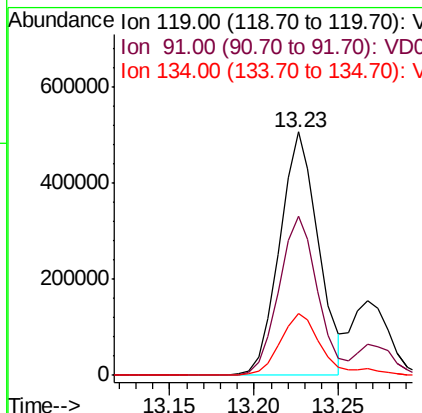
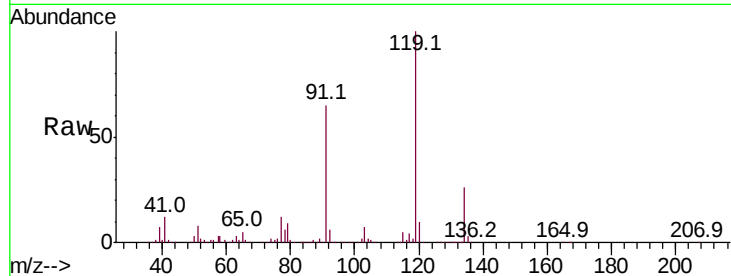




#83
 tert-Butylbenzene
 Concen: 56.192 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

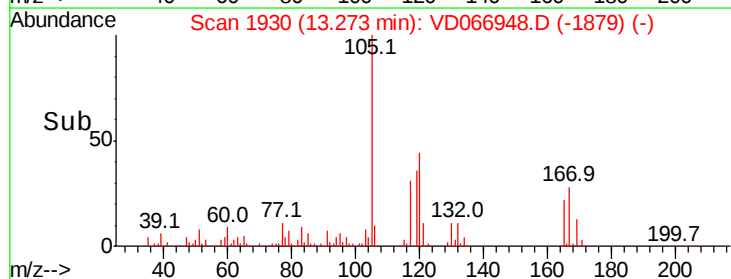
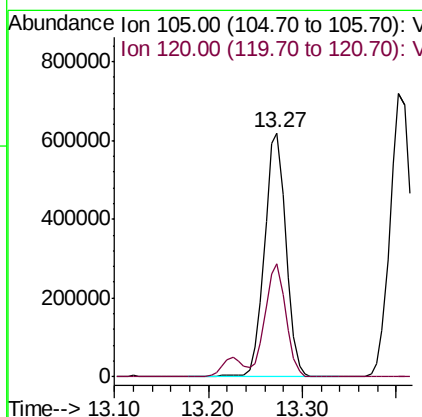
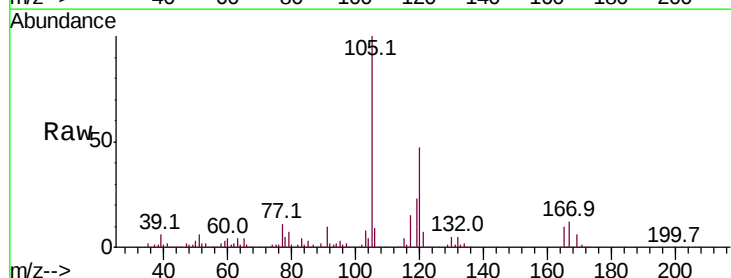
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

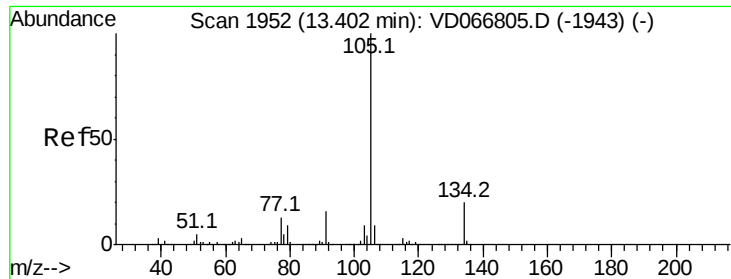
Tot Ion:119 Resp: 803898
 Ion Ratio Lower Upper
 119 100
 91 65.8 33.6 100.8
 134 27.6 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 56.549 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion:105 Resp: 976263
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 55.296 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

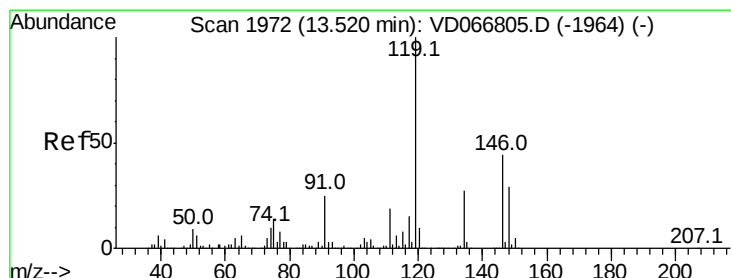
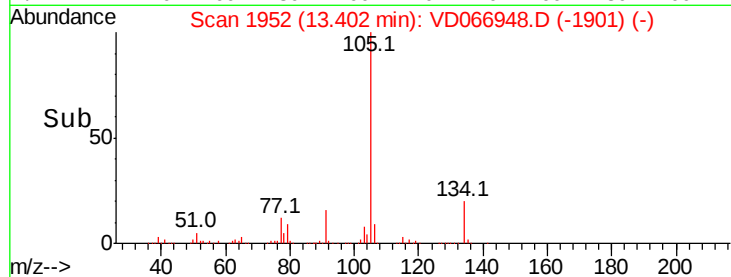
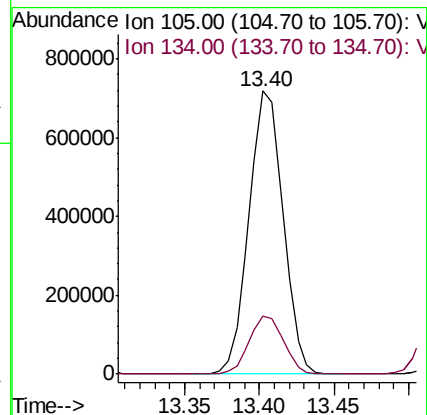
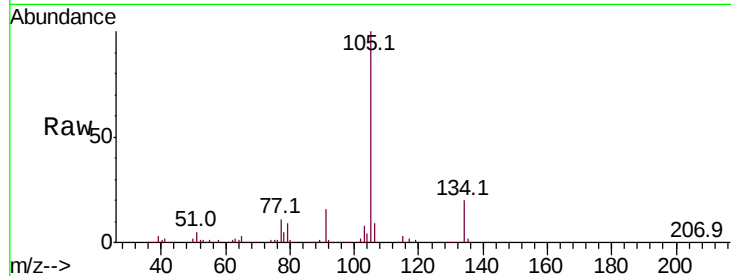
VSTDCCC050EC

Tot Ion:105 Resp: 1137577

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 56.617 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

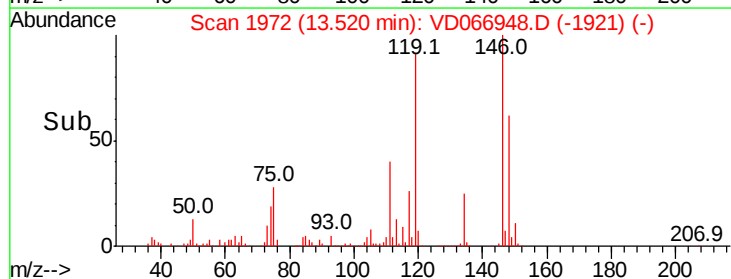
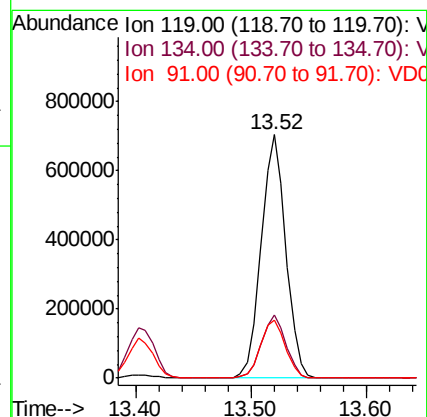
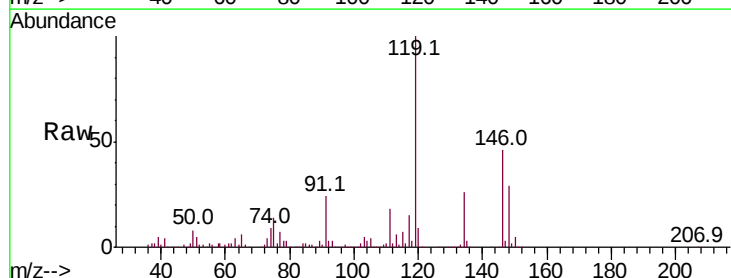
Tgt Ion:119 Resp: 1049891

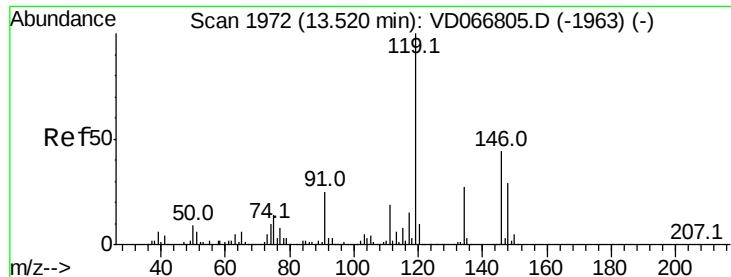
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 55.456 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

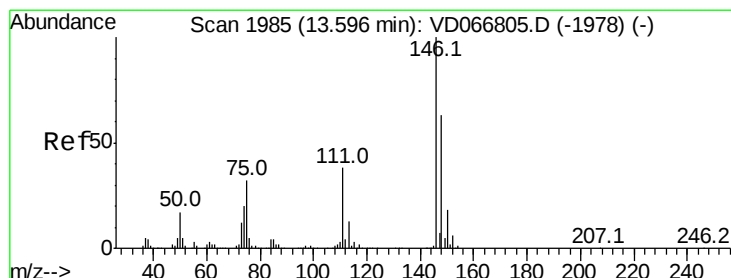
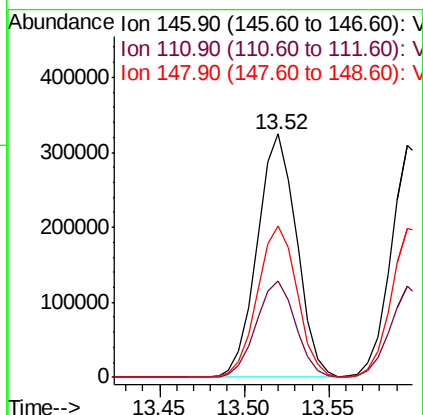
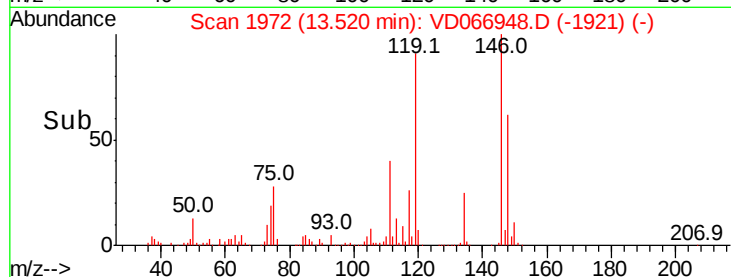
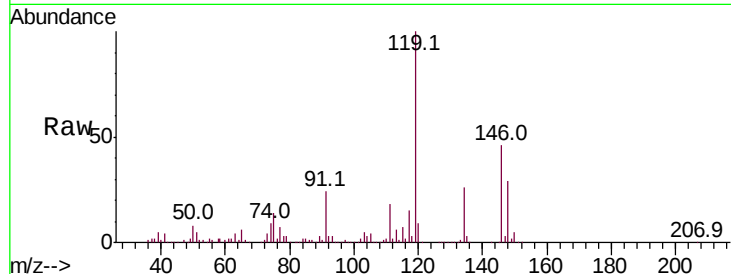
Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 525760

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.0	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 53.936 ug/l

RT: 13.60 min Scan# 1985

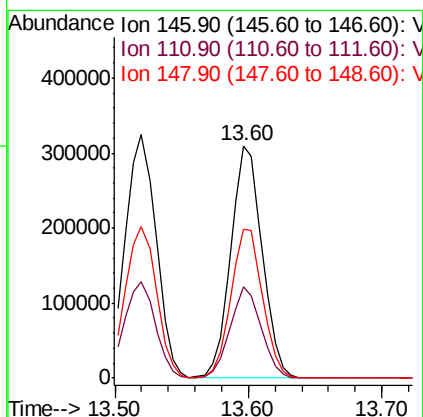
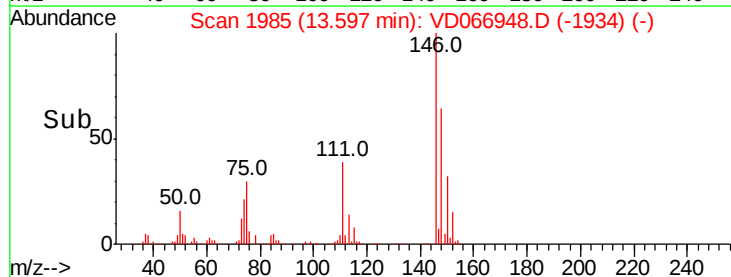
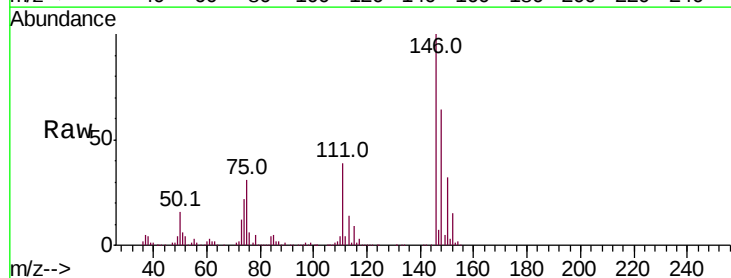
Delta R.T. 0.00 min

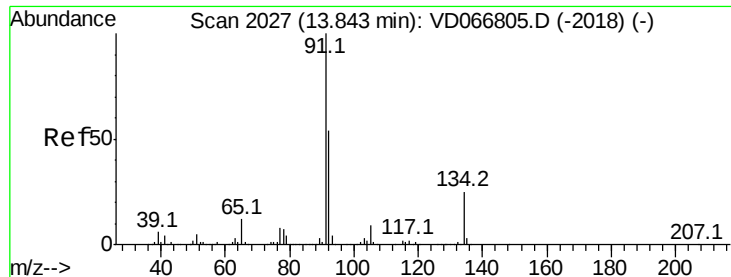
Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:146 Resp: 507875

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.2	60.5
148	64.6	31.6	94.7

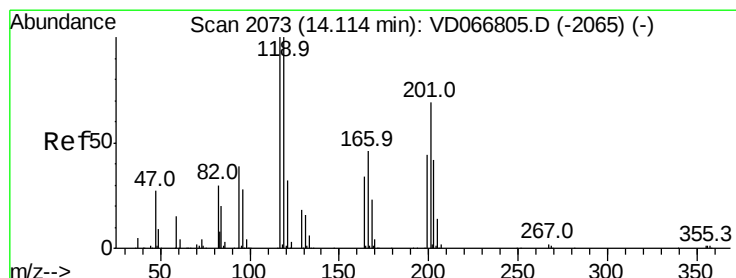
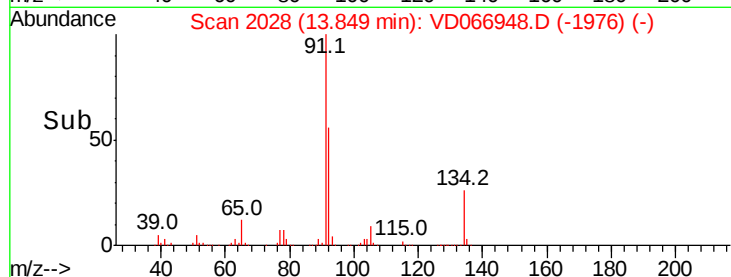
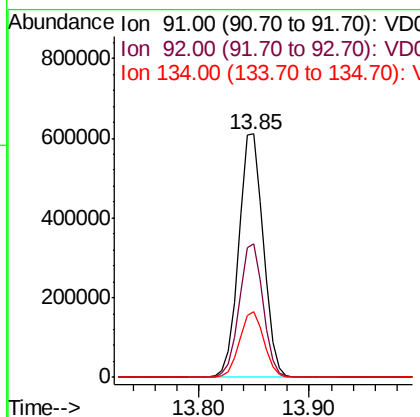
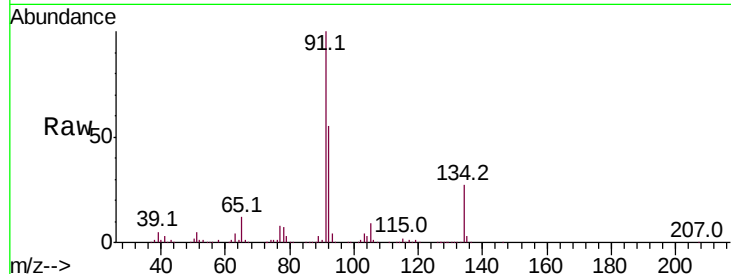




#89
n-Butylbenzene
Concen: 54.256 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

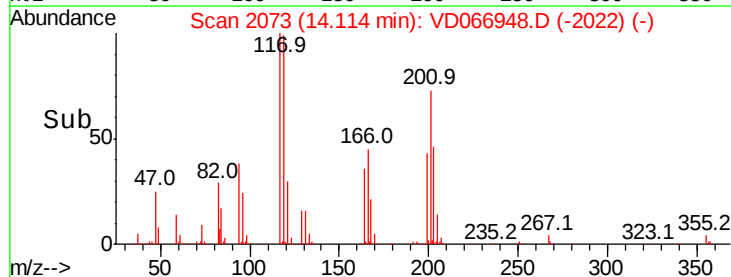
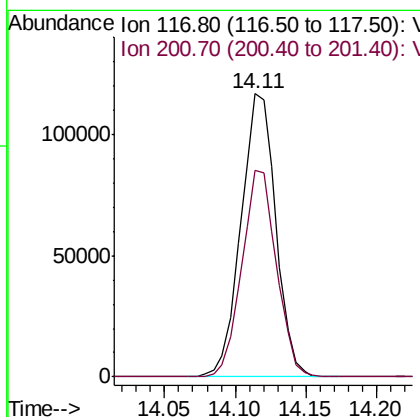
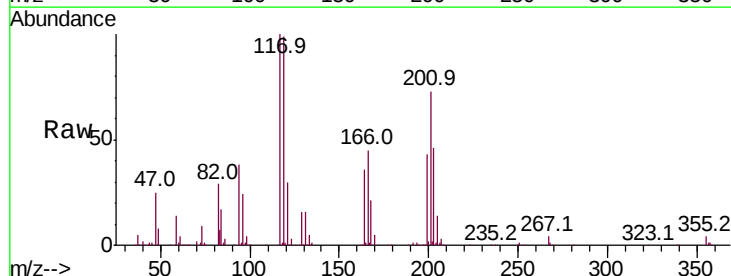
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

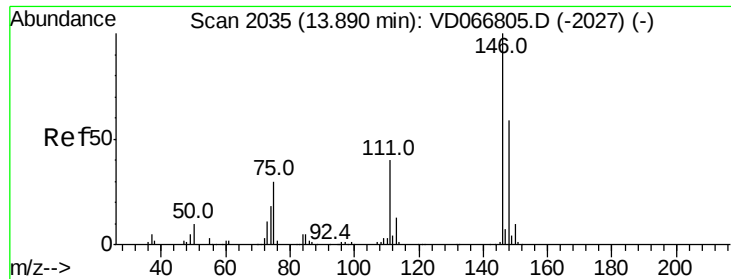
Tot Ion: 91 Resp: 956303
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.0
134 26.7 13.1 39.1



#90
Hexachloroethane
Concen: 53.653 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 117 Resp: 201989
Ion Ratio Lower Upper
117 100
201 72.4 33.7 101.0

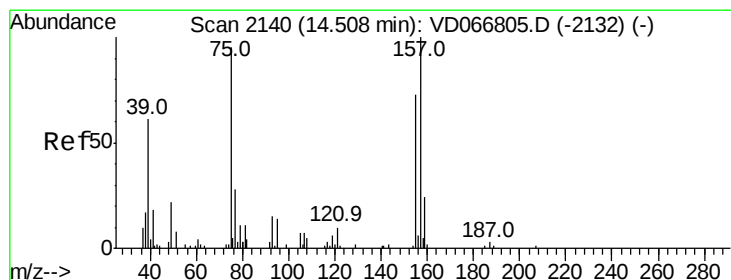
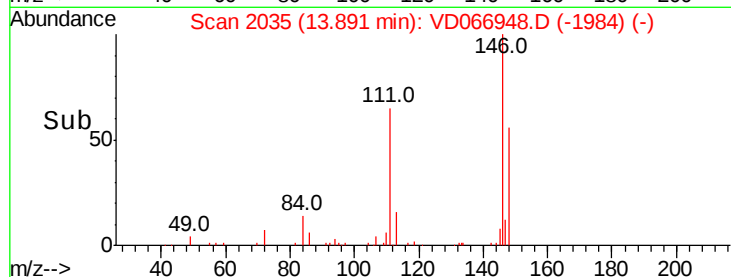
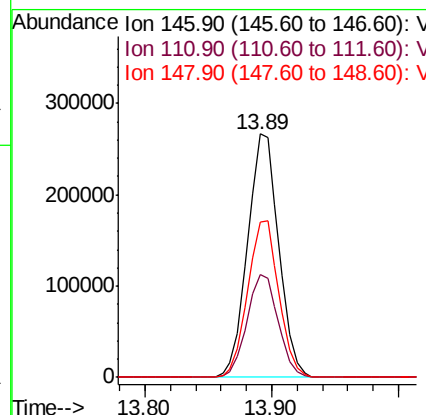
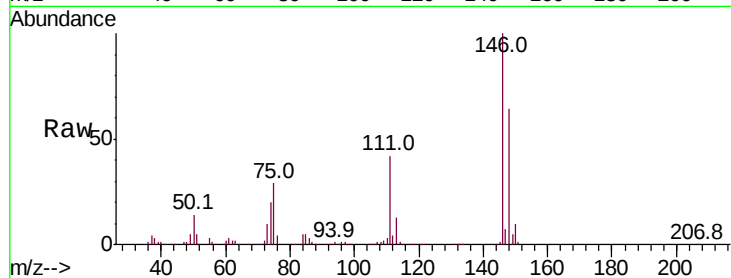




#91
 1,2-Dichlorobenzene
 Concen: 56.171 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

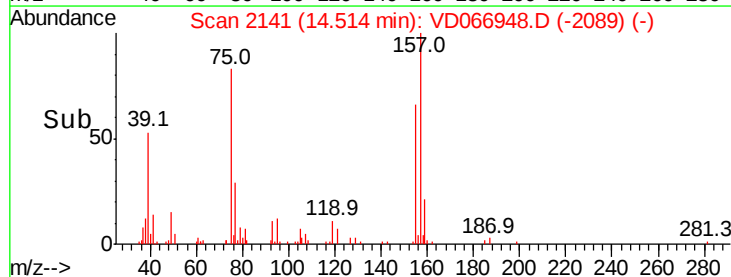
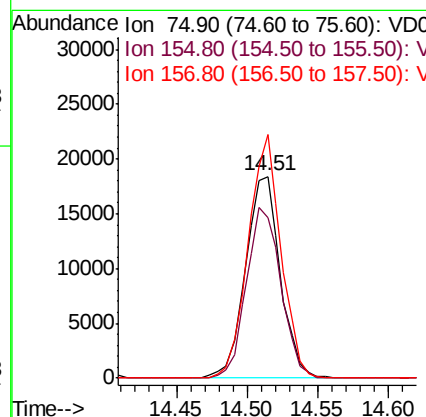
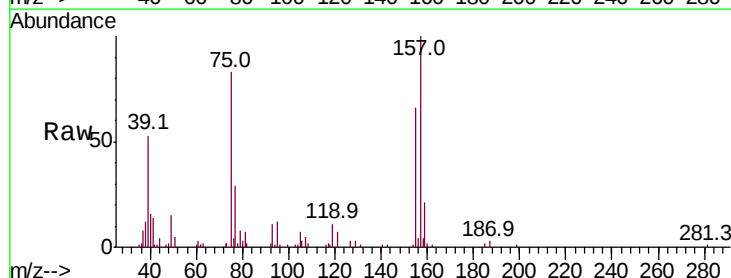
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

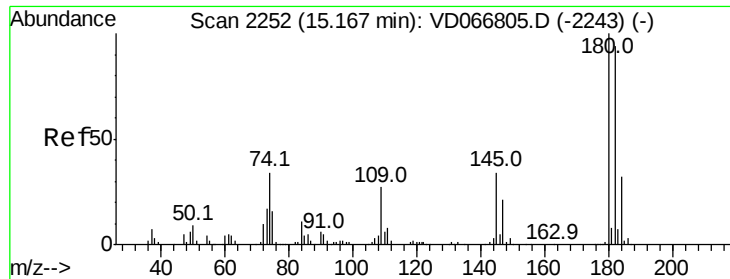
Tot Ion:146 Resp: 455612
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.7
 148 64.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.571 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 75 Resp: 31650
 Ion Ratio Lower Upper
 75 100
 155 84.2 40.4 121.2
 157 113.8 51.3 153.9

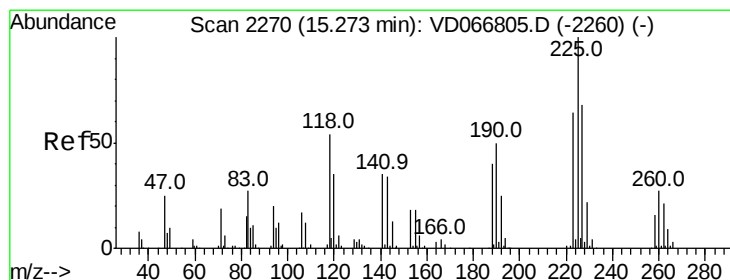
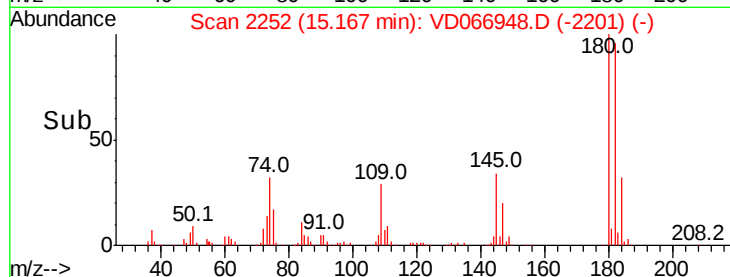
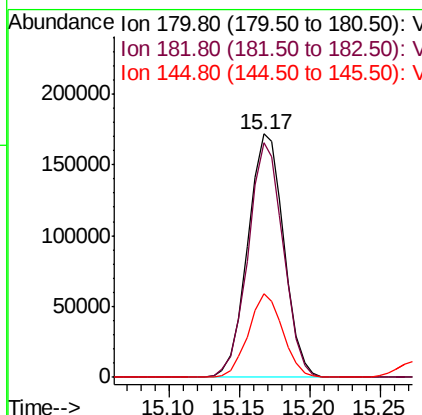
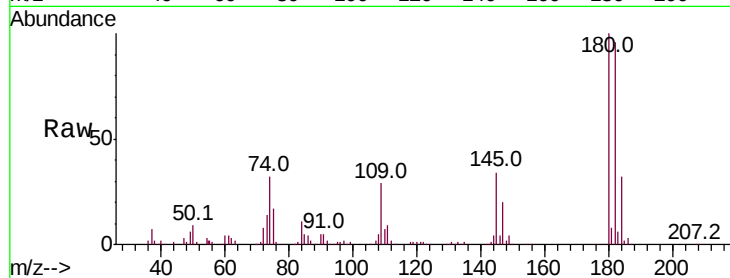




#93
 1,2,4-Trichlorobenzene
 Concen: 60.062 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

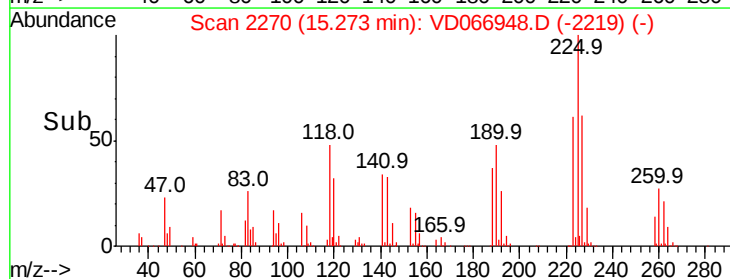
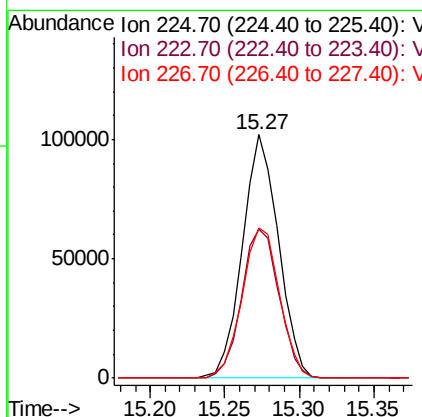
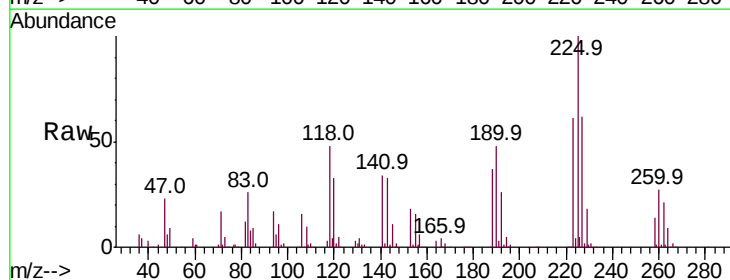
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

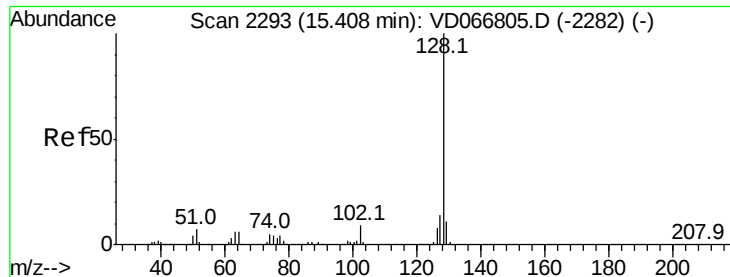
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.8	146.3
145	32.7	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 55.802 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	64.0	31.7	95.1

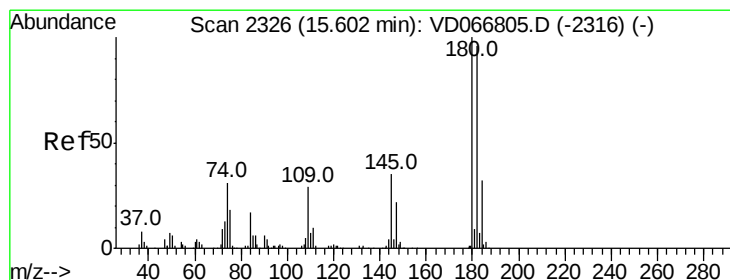
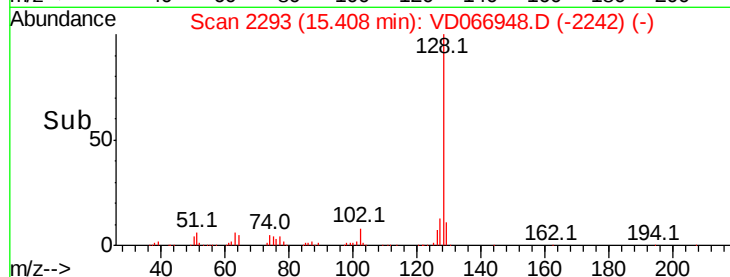
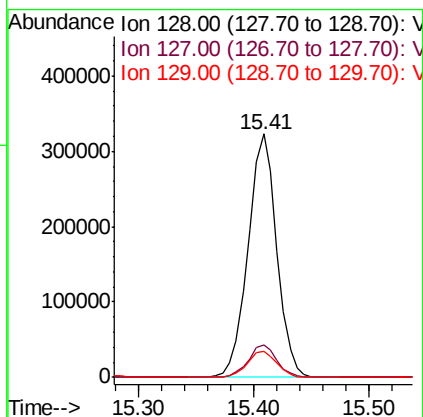
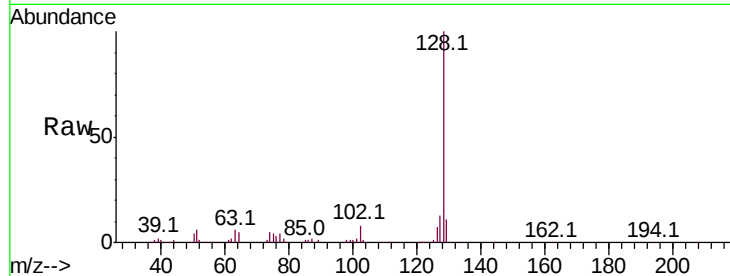




#95
Naphthalene
Concen: 64.263 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 557085
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 61.265 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:180 Resp: 269997
Ion Ratio Lower Upper
180 100
182 94.7 46.8 140.3
145 32.7 17.0 51.0

