

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019868.D
 Acq On : 29 Dec 2020 17:17
 Operator : SY/MD
 Sample : L4485-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:35:38 PM

Quant Time: Dec 30 05:09:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 30 04:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	277118	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	260488	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	120394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	96669	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.56	69	81863	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.10	63	149593	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.94	46	207401	49.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.60%
24) Chloroform-d	4.35	84	171819	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.04	65	93536	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.05	84	350161	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.08	67	108003	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.32	98	299049	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.63	79	35156	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.10	63	132473	44.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.04%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	58370	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
66) 1,2-Dichlorobenzene-d4	11.63	152	94674	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	5341	0.202	ug/L	96
3) Chloromethane	1.24	50	7007	0.239	ug/L	93
5) Vinyl chloride	1.31	62	6697	0.233	ug/L #	74
6) Bromomethane	1.52	94	4114	0.244	ug/L	84
8) Chloroethane	1.58	64	3878	0.221	ug/L	92
9) Trichlorofluoromethane	1.75	101	7659	0.219	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	5043	0.268	ug/L	90
12) 1,1-Dichloroethene	2.11	96	5492	0.286	ug/L #	1
13) Acetone	2.22	43	10399m	3.296	ug/L	
14) Carbon disulfide	2.29	76	14617	0.220	ug/L	97
15) Methyl Acetate	2.46	43	1228	0.156	ug/L	95
16) Methylene chloride	2.51	84	7046	0.301	ug/L	98
17) Methyl tert-butyl Ether	2.78	73	10077	0.210	ug/L #	88
18) trans-1,2-Dichloroethene	2.76	96	4613	0.213	ug/L	94
19) 1,1-Dichloroethane	3.19	63	9120	0.217	ug/L	97
21) 2-Butanone	4.02	43	12315m	2.320	ug/L	
22) cis-1,2-Dichloroethene	3.92	96	4528	0.201	ug/L	99

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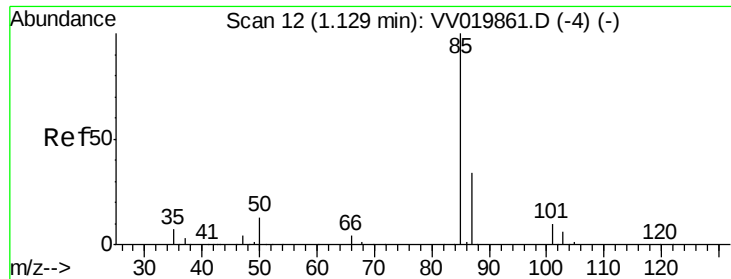
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 12/30/2020 6:35:38 PM

Quant Time: Dec 30 05:09:37 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.25	128	2002	0.223	ug/L #	90
25) Chloroform	4.38	83	16172	0.387	ug/L	91
27) 1,2-Dichloroethane	5.15	62	5674	0.223	ug/L	98
29) 1,1,1-Trichloroethane	4.61	97	7340	0.207	ug/L	95
30) Cyclohexane	4.68	56	7334	0.205	ug/L	96
31) Carbon tetrachloride	4.83	117	5986	0.206	ug/L	99
33) Benzene	5.11	78	17755	0.204	ug/L	100
34) Trichloroethene	5.92	95	5524	0.237	ug/L	89
35) Methylcyclohexane	6.13	83	7814	0.224	ug/L	94
37) 1,2-Dichloropropane	6.19	63	4296	0.196	ug/L #	95
38) Bromodichloromethane	6.52	83	5673	0.210	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	5458	0.182	ug/L	86
40) 4-Methyl-2-pentanone	7.24	43	23916	1.936	ug/L #	88
42) Toluene	7.40	91	19809	0.224	ug/L	94
44) trans-1,3-Dichloropropene	7.67	75	5048	0.205	ug/L	89
45) 1,1,2-Trichloroethane	7.85	97	3179	0.225	ug/L	89
47) Tetrachloroethene	7.98	164	3694	0.233	ug/L	94
48) 2-Hexanone	8.15	43	34476	4.027	ug/L #	91
49) Dibromochloromethane	8.25	129	2846	0.186	ug/L	97
50) 1,2-Dibromoethane	8.36	107	2920	0.227	ug/L #	99
51) Chlorobenzene	8.89	112	12275	0.219	ug/L	98
52) Ethylbenzene	9.02	91	19567	0.199	ug/L	99
53) m,p-xylene	9.15	106	7148	0.199	ug/L	97
54) o-xylene	9.55	106	7159	0.208	ug/L	99
55) Styrene	9.57	104	10101	0.174	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.25	83	3336	0.223	ug/L #	96
59) Bromoform	9.75	173	1326	0.203	ug/L #	81
60) Isopropylbenzene	9.94	105	18154	0.207	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	2593	0.223	ug/L	93
62) 1,3,5-Trimethylbenzene	10.55	105	13763	0.190	ug/L	99
63) 1,2,4-Trimethylbenzene	10.93	105	14356	0.194	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	8733	0.227	ug/L	94
65) 1,4-Dichlorobenzene	11.28	146	9428	0.244	ug/L	96
67) 1,2-Dichlorobenzene	11.65	146	8137	0.230	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.44	75	514	0.214	ug/L	89
69) 1,3,5-Trichlorobenzene	12.66	180	5495	0.193	ug/L	89
70) 1,2,4-trichlorobenzene	13.28	180	4622	0.199	ug/L	92
71) Naphthalene	13.52	128	5246	0.150	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.75	180	3890	0.197	ug/L	99

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



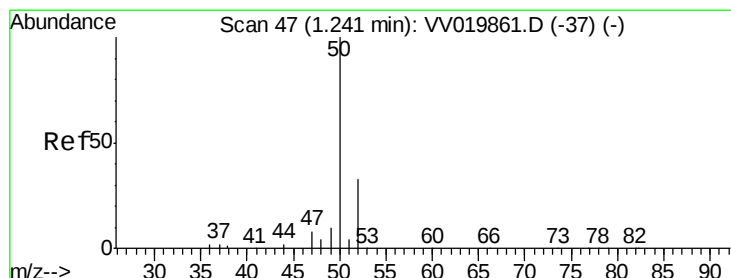
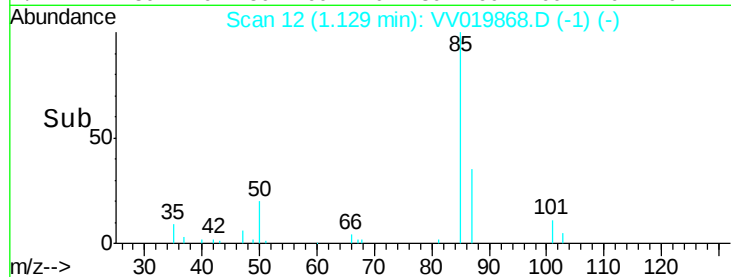
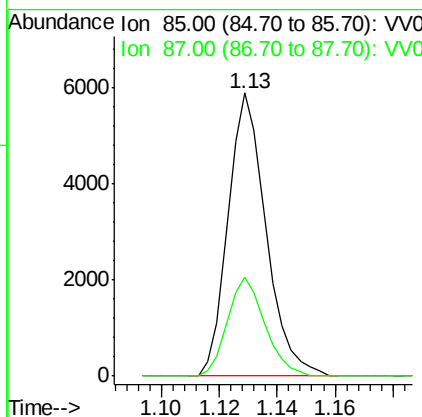
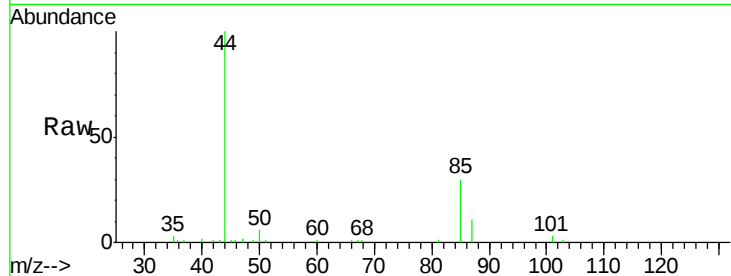
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 Dichlorodifluoromethane
 Concen: 0.202 ug/L
 RT: 1.13 min Scan# 12
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	85.00	Resp	5341
Ion Ratio	100	Lower	Upper
85	100		
87	34.3	25.6	38.4

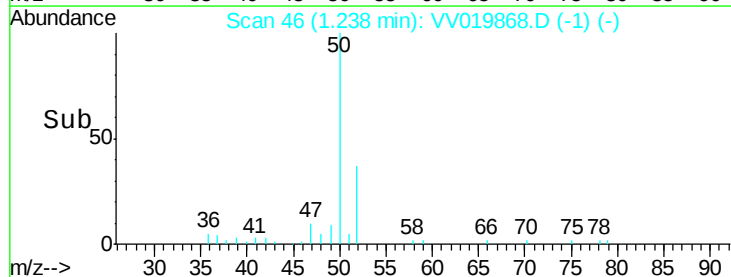
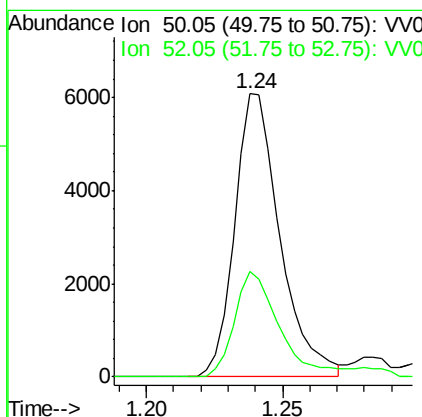
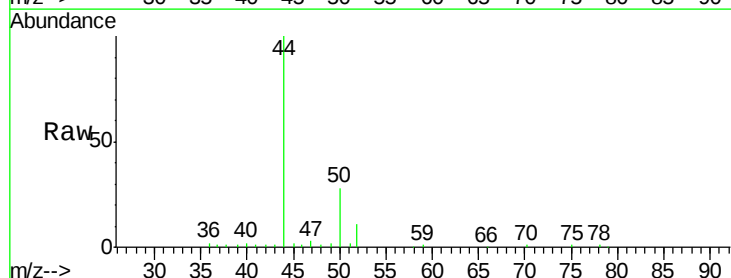
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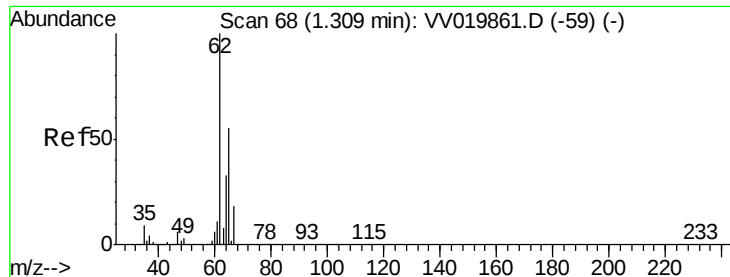
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#3
 Chloromethane
 Concen: 0.239 ug/L
 RT: 1.24 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	50.05	Resp	7007
Ion Ratio	100	Lower	Upper
50	100		
52	37.2	23.1	42.9





#5

Vinyl chloride

Concen: 0.233 ug/L

RT: 1.31 min Scan# 67

Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03

Tot Ion: 62 Resp: 6697

Ion Ratio Lower Upper

62 100

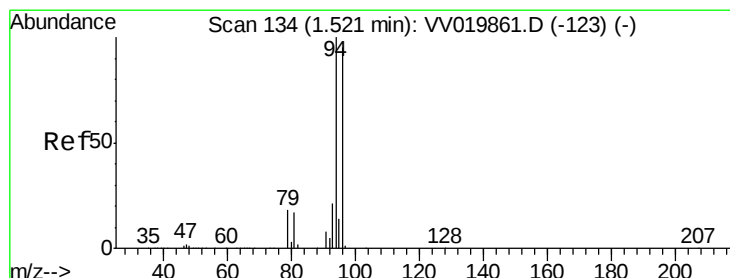
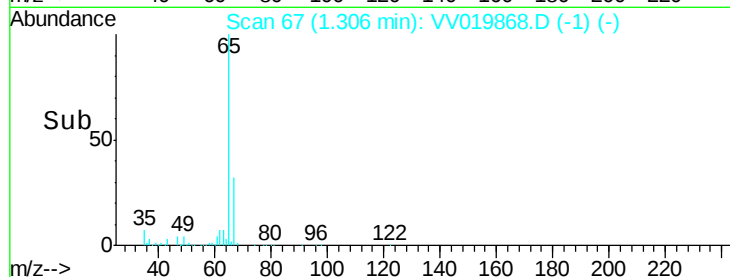
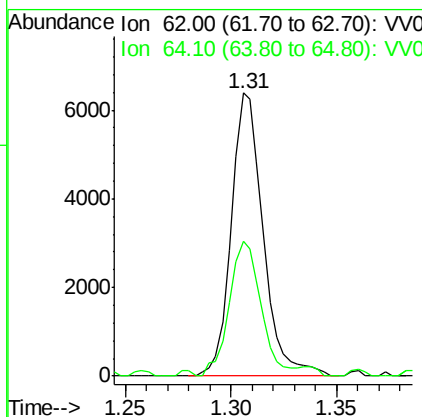
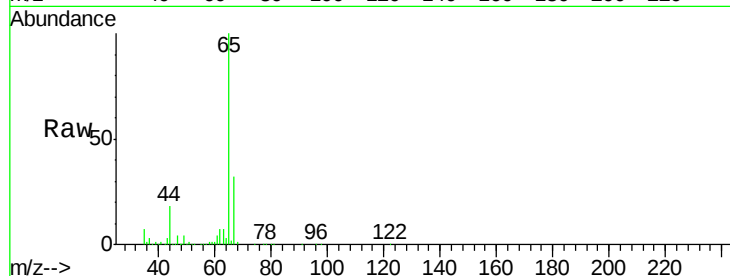
64 47.7 23.2 43.2#

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#6

Bromomethane

Concen: 0.244 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV019868.D

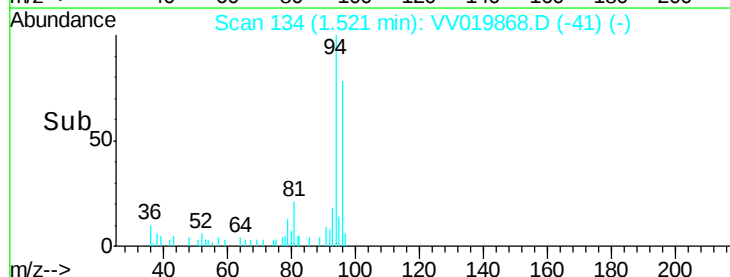
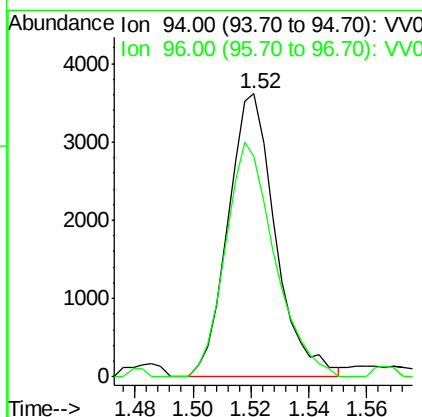
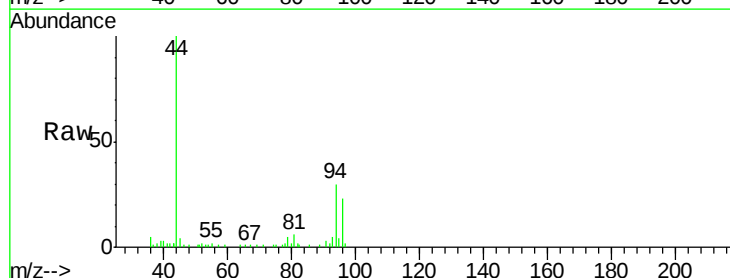
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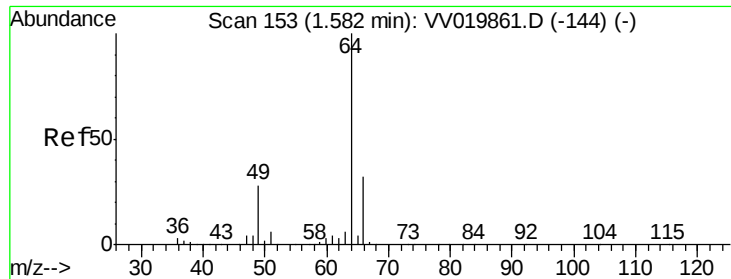
Tgt Ion: 94 Resp: 4114

Ion Ratio Lower Upper

94 100

96 78.2 65.6 121.8





#8

Chloroethane

Concen: 0.221 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

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Tot Ion: 64 Resp: 3878

Ion Ratio Lower Upper

64 100

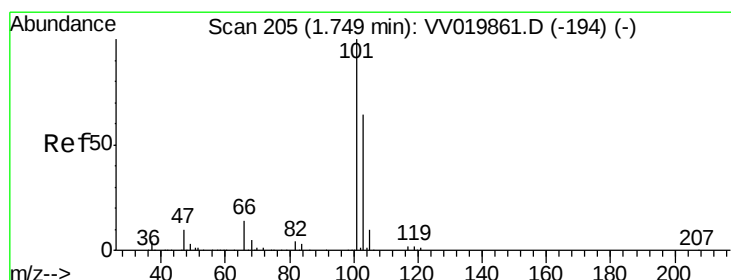
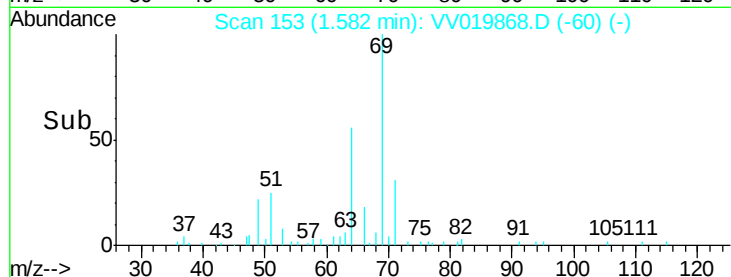
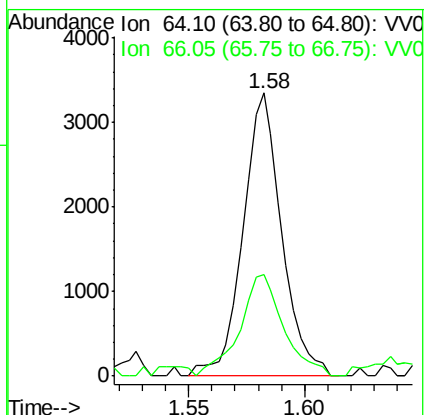
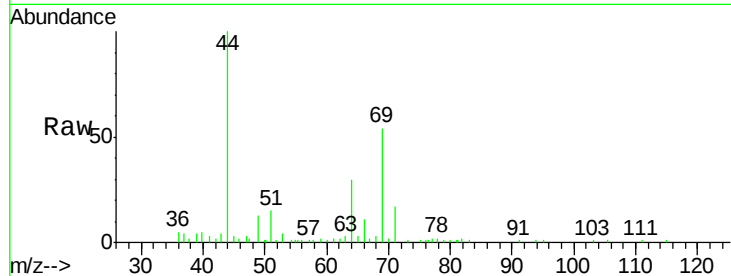
66 35.9 22.0 40.8

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#9

Trichlorofluoromethane

Concen: 0.219 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019868.D

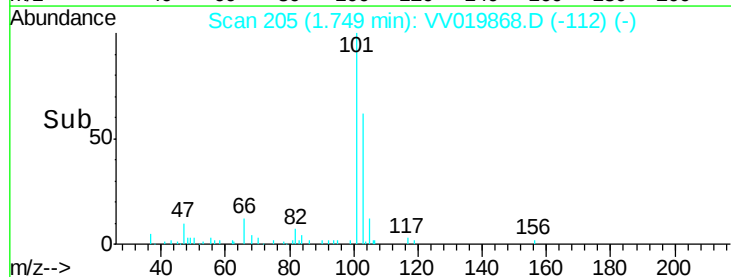
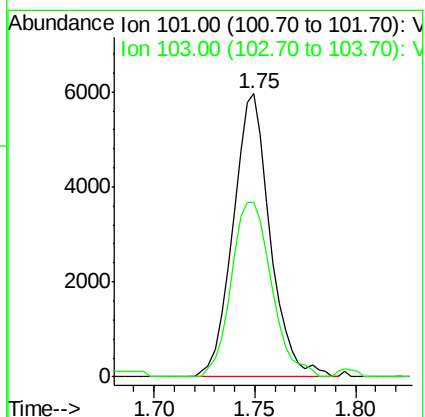
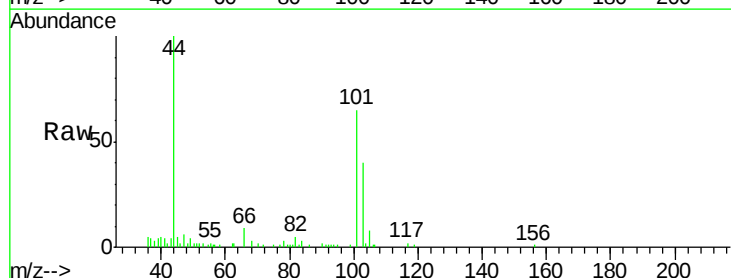
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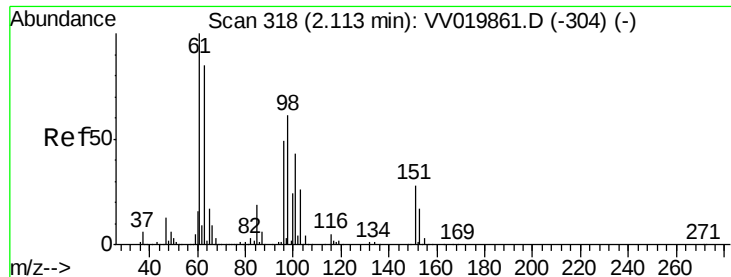
Tgt Ion: 101 Resp: 7659

Ion Ratio Lower Upper

101 100

103 67.2 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.268 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

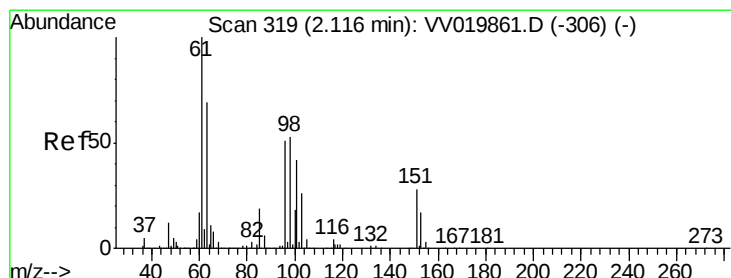
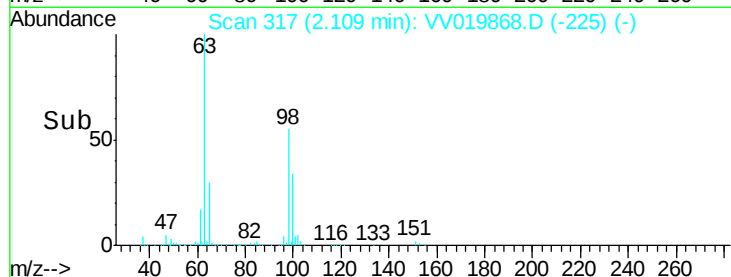
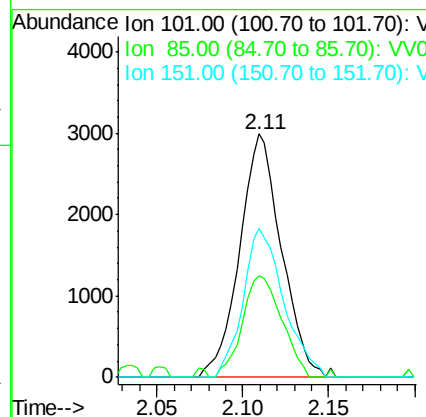
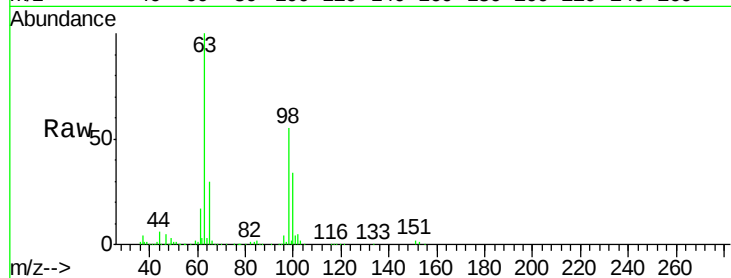
ClientSampleId :

MDL-WATER-03

Tot Ion:	101	Resp:	5043
Ion Ratio	Lower	Upper	
101	100		
85	39.1	36.4	54.6
151	59.5	54.1	81.1

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#12

1,1-Dichloroethene

Concen: 0.286 ug/L

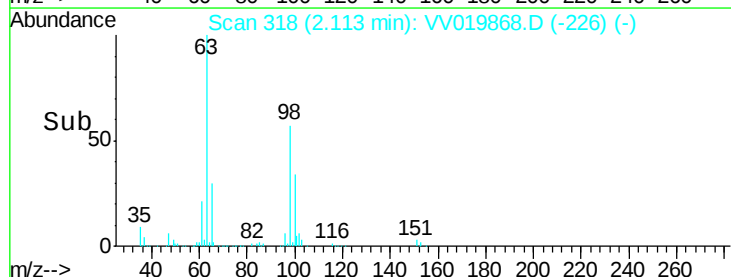
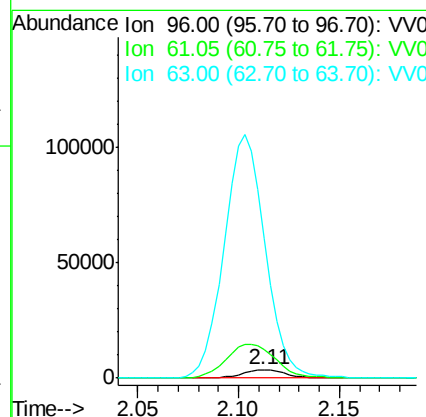
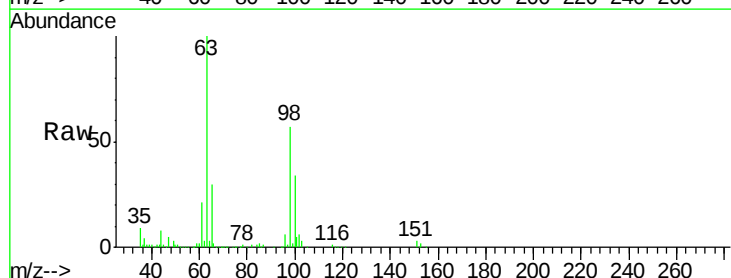
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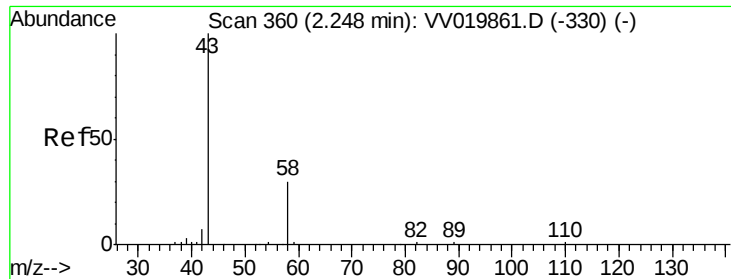
Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Tgt Ion:	96	Resp:	5492
Ion Ratio	Lower	Upper	
96	100		
61	350.6	131.5	244.1#
63	1679.5	95.2	176.8#





#13

Acetone

Concen: 3.296 ug/L m

RT: 2.22 min Scan# 352

Delta R.T. -0.03 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

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Tot Ion: 43 Resp: 10399

Ion Ratio Lower Upper

43 100

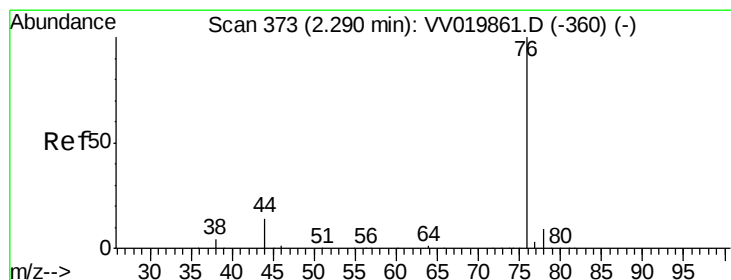
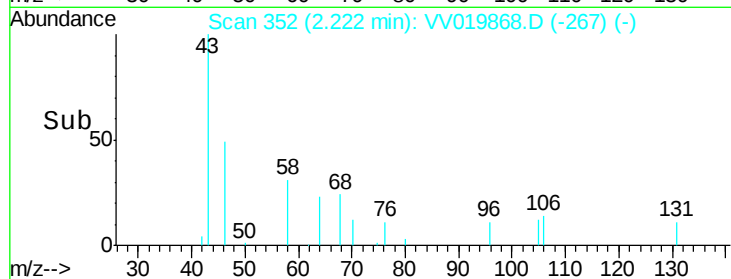
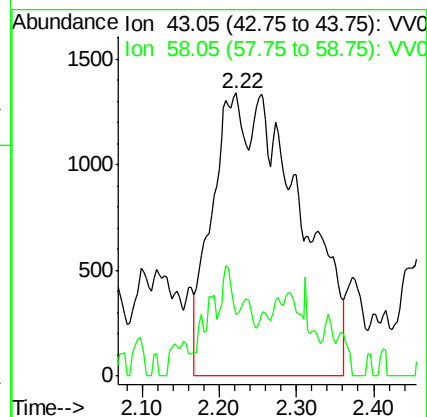
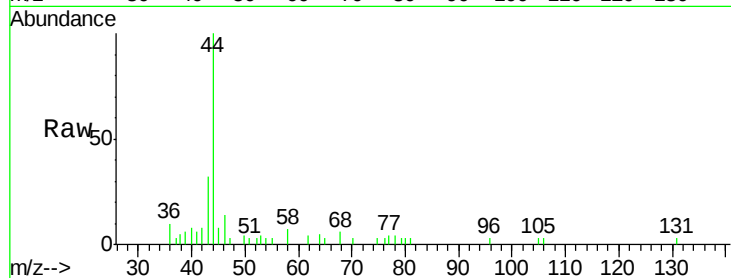
58 0.4 0.0 31.4

Manual Integrations

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#14

Carbon disulfide

Concen: 0.220 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019868.D

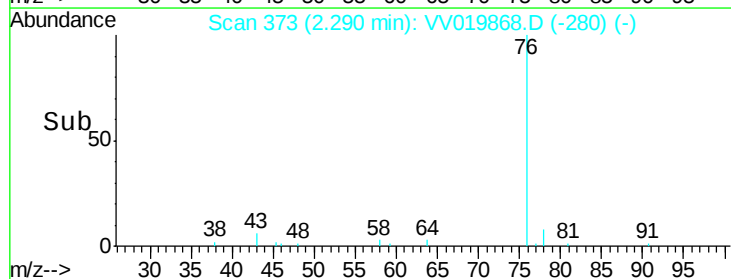
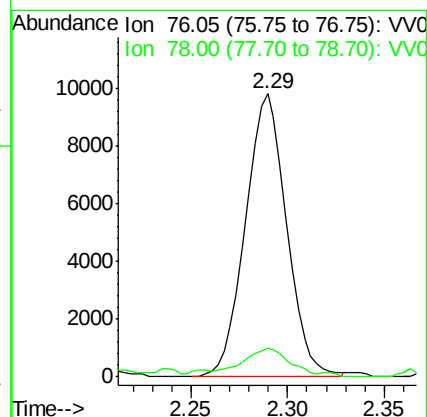
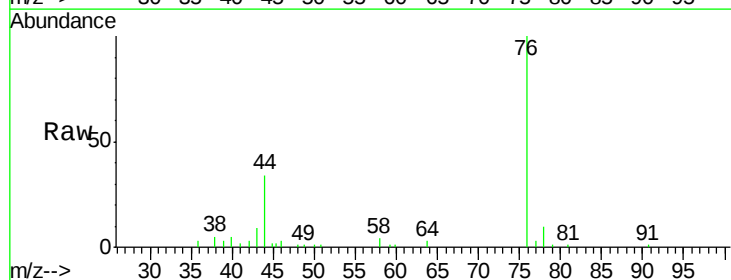
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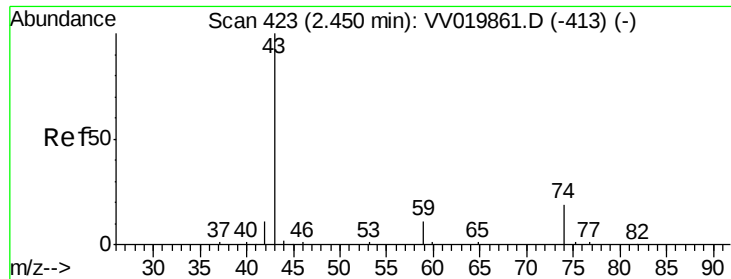
Tgt Ion: 76 Resp: 14617

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8





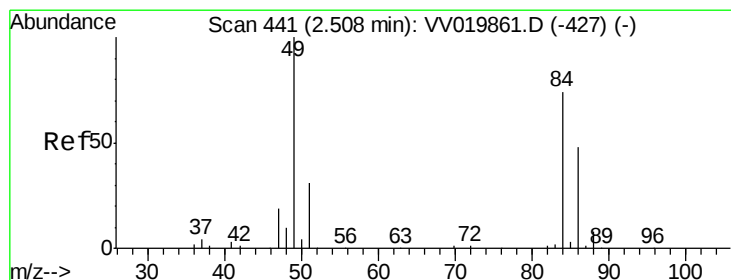
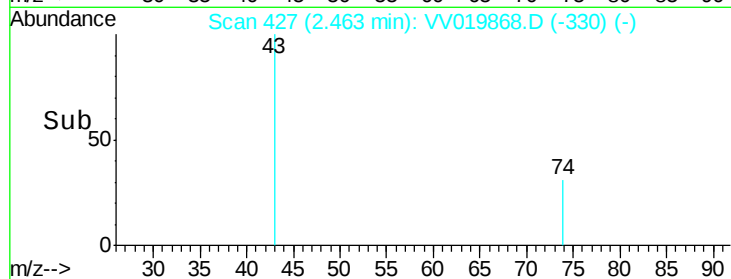
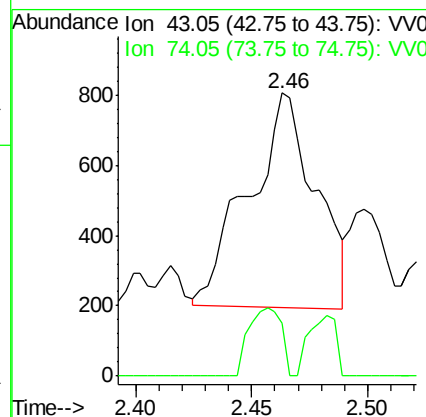
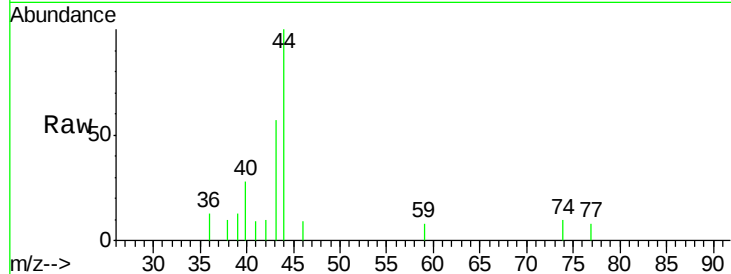
#15
Methyl Acetate
Concen: 0.156 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
74 15.5 10.6 16.0

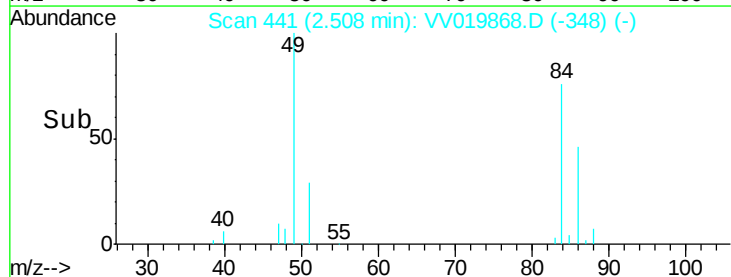
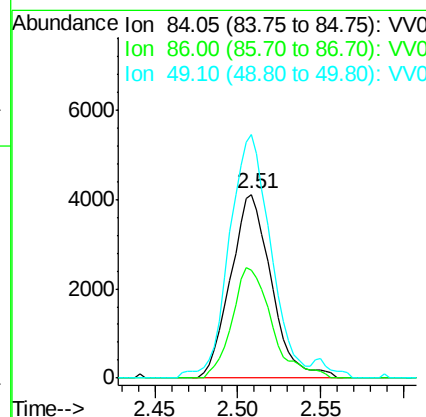
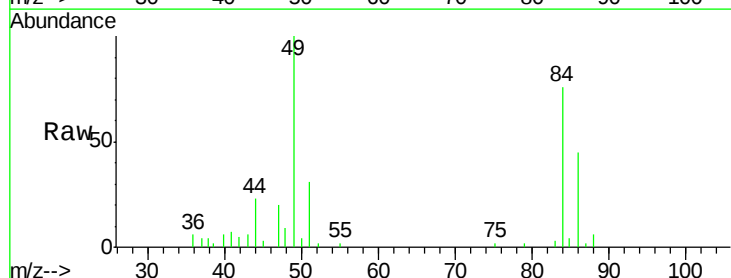
Manual Integrations
APPROVED

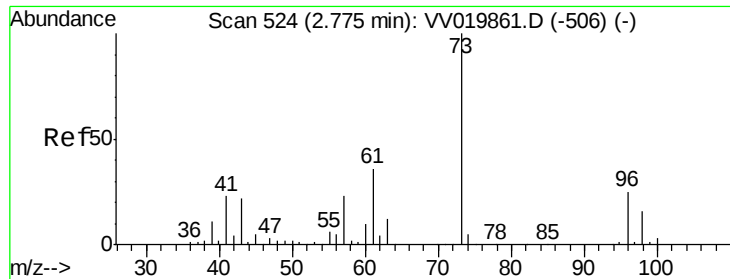
MMDadoda
12/30/2020 6:35:38 PM



#16
Methylene chloride
Concen: 0.301 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion: 84 Resp: 7046
Ion Ratio Lower Upper
84 100
86 58.9 42.8 79.4
49 132.3 93.9 174.3





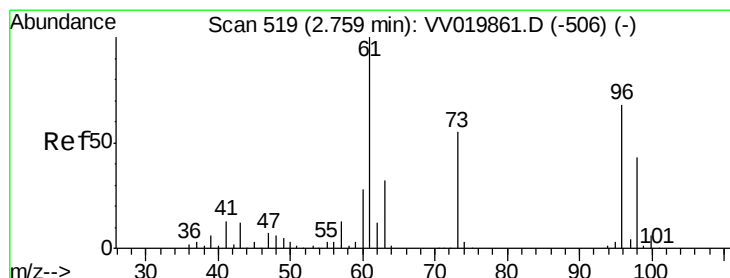
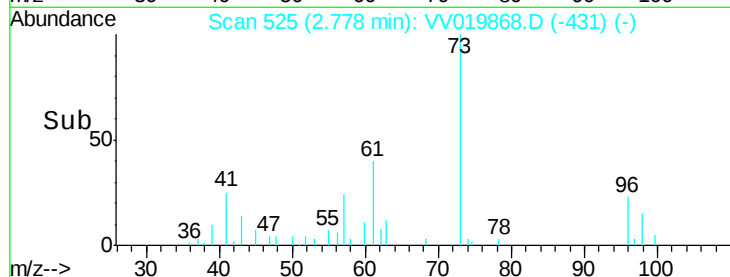
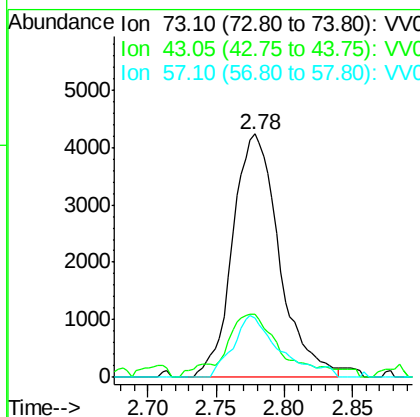
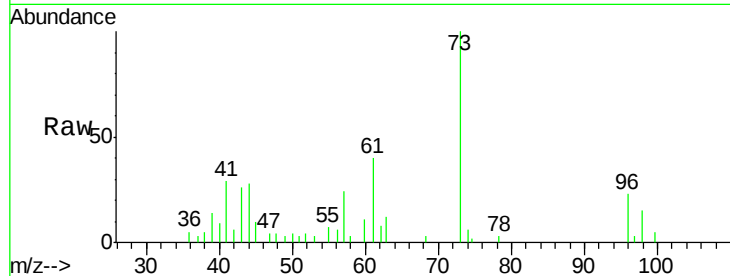
#17
Methvl tert-butvl Ether
Concen: 0.210 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion: 73 Resp: 10077
Ion Ratio Lower Upper
73 100
43 31.0 17.0 25.6#
57 25.2 18.2 27.4

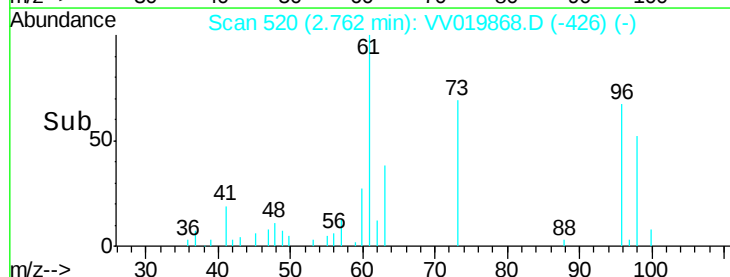
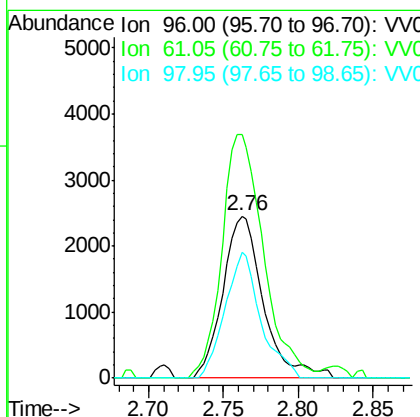
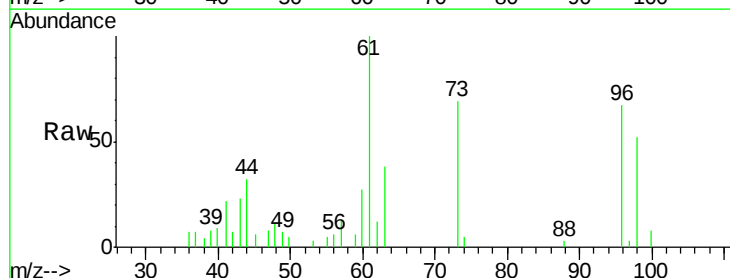
Manual Integrations
APPROVED

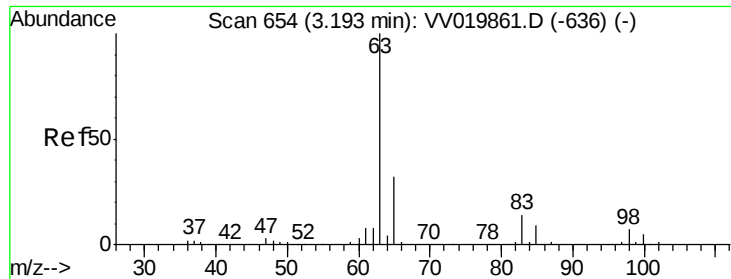
MMDadoda
12/30/2020 6:35:38 PM



#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion: 96 Resp: 4613
Ion Ratio Lower Upper
96 100
61 150.1 106.3 197.3
98 77.5 44.7 82.9





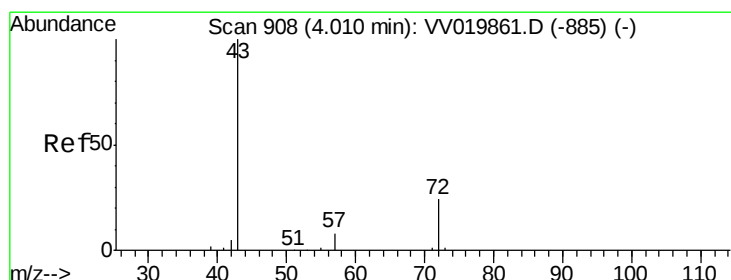
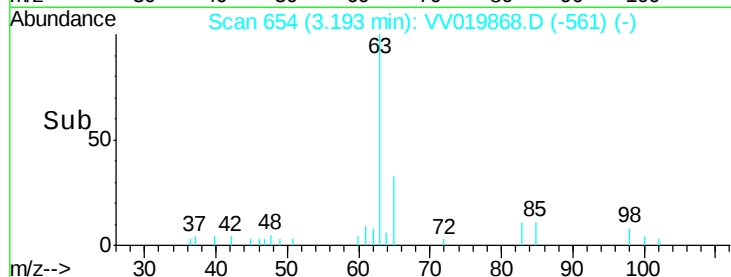
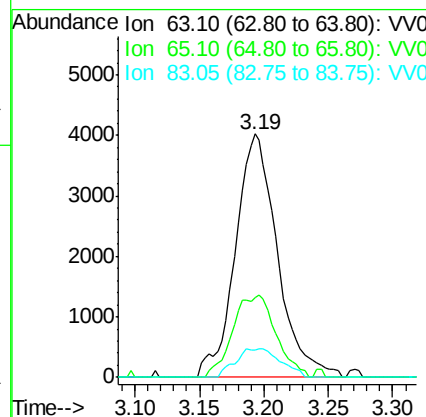
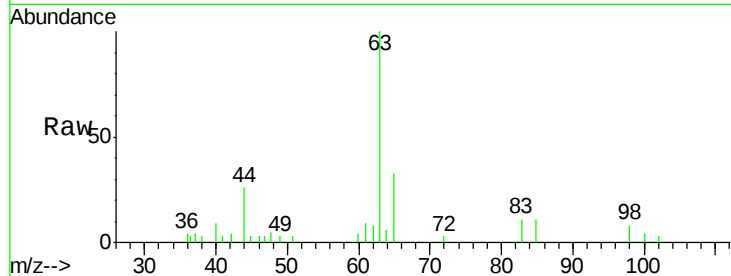
#19
 1,1-Dichloroethane
 Concen: 0.217 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	21.8	40.6
83	11.0	9.0	16.8

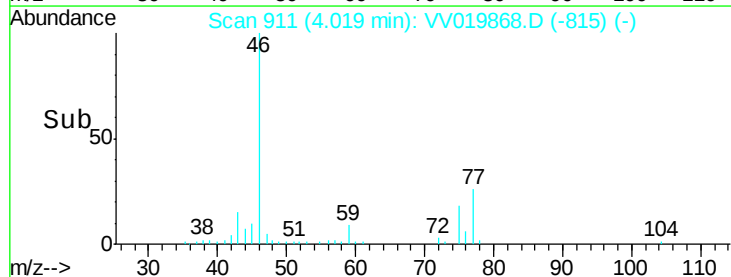
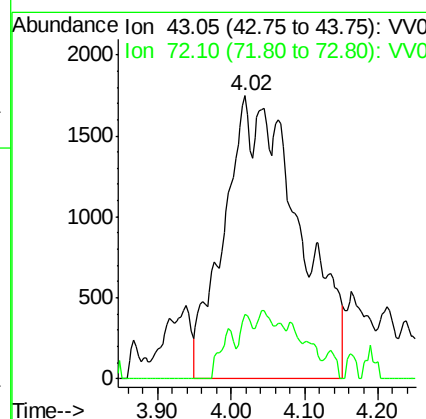
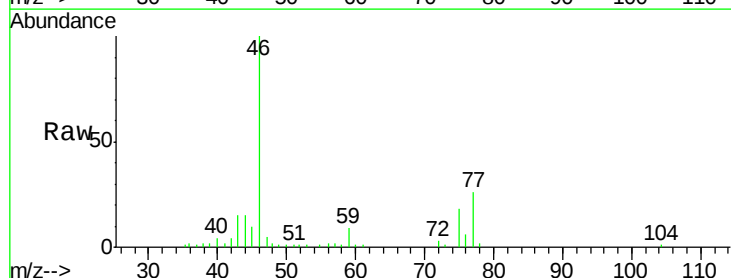
Manual Integrations
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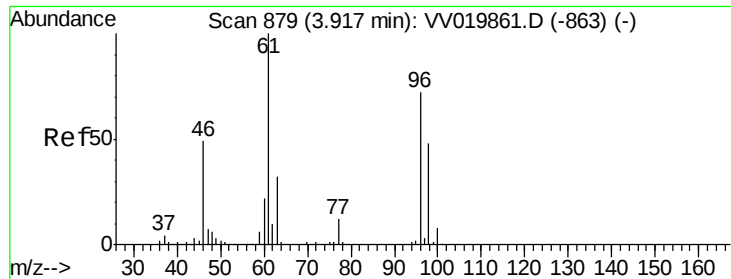
MMDadoda
 12/30/2020 6:35:38 PM



#21
 2-Butanone
 Concen: 2.320 ug/L m
 RT: 4.02 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.2	10.9	32.7#





#22

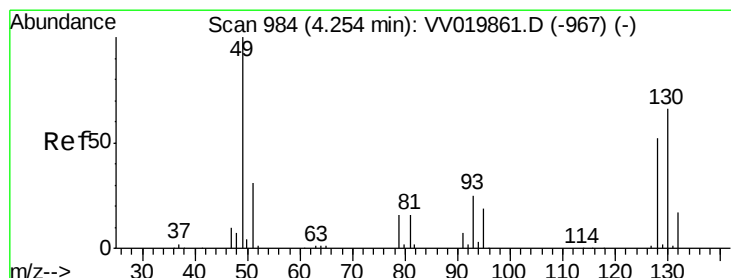
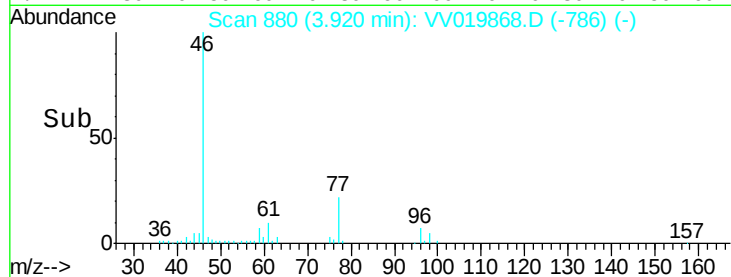
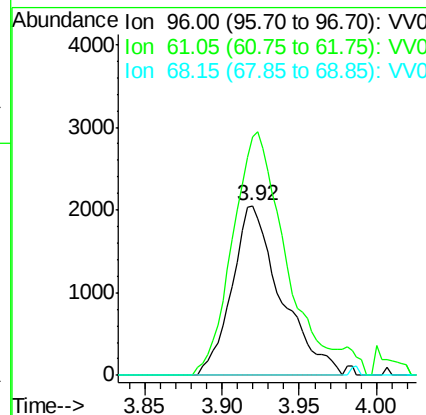
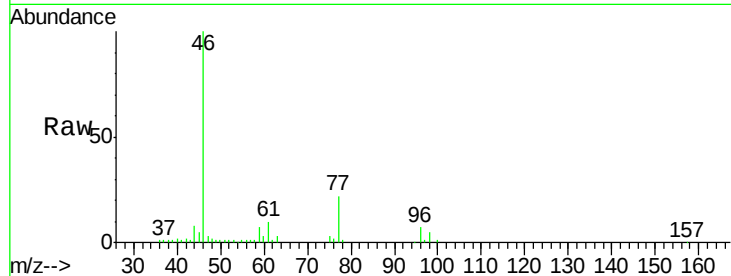
cis-1,2-Dichloroethene
 Concen: 0.201 ug/L
 RT: 3.92 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	98.1	182.3
68	0.0	0.0	0.0

Manual Integrations
 APPROVED

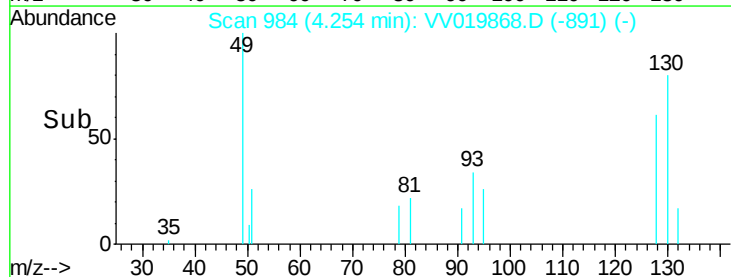
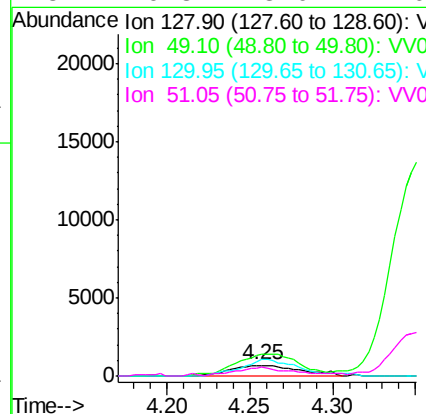
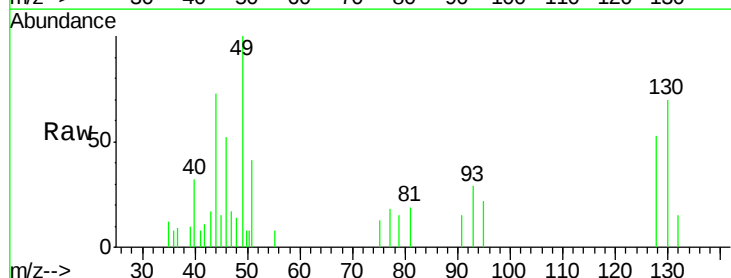
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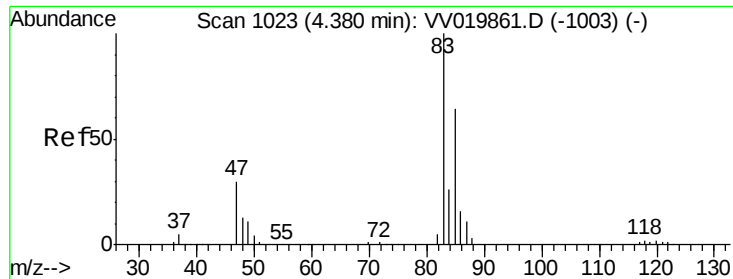


#23

Bromochloromethane
 Concen: 0.223 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	202.2	132.6	246.2
130	131.0	86.4	160.4
51	76.3	48.0	72.0





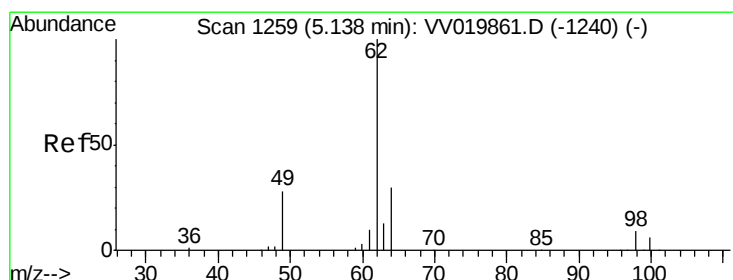
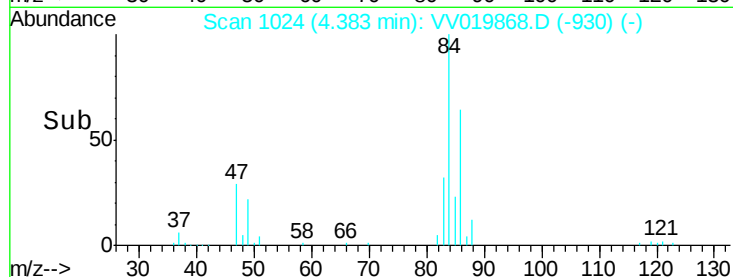
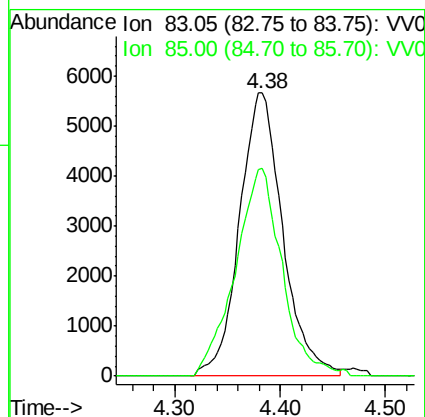
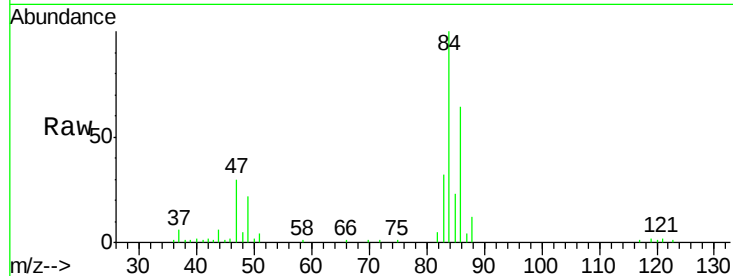
#25
Chloroform
Concen: 0.387 ug/L
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion	83	Resp	16172
Ion Ratio	100	Lower	Upper
85	73.2	46.4	86.2

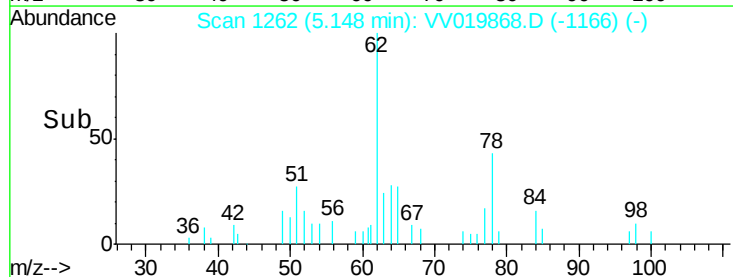
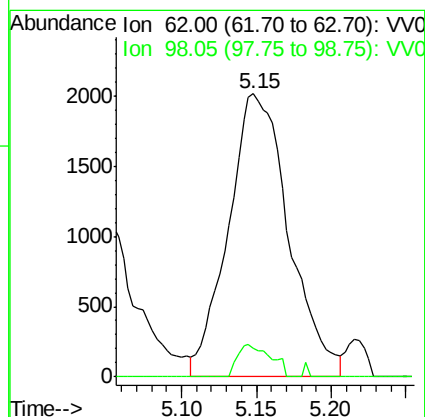
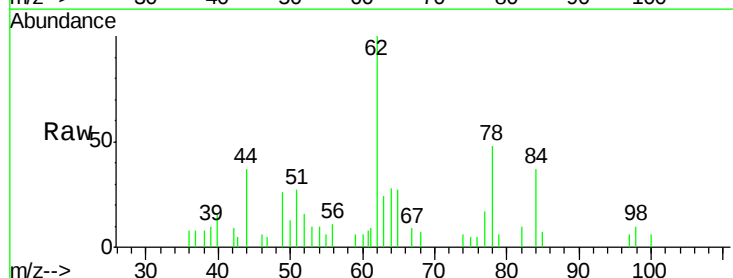
Manual Integrations
APPROVED

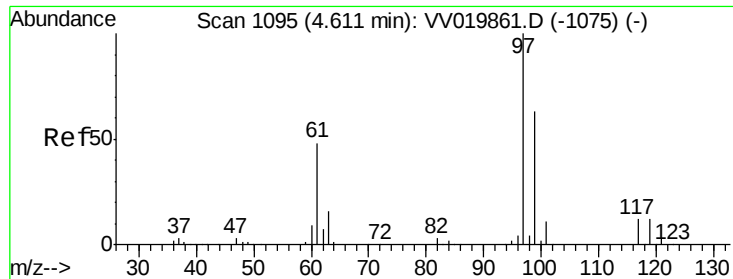
MMDadoda
12/30/2020 6:35:38 PM



#27
1,2-Dichloroethane
Concen: 0.223 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion	62	Resp	5674
Ion Ratio	100	Lower	Upper
98	10.2	7.6	11.4





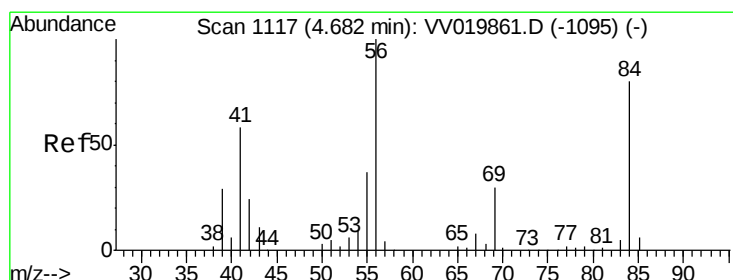
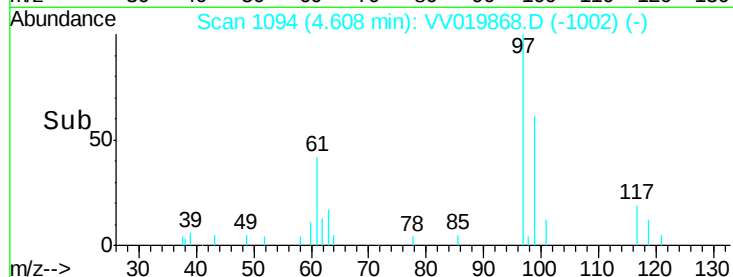
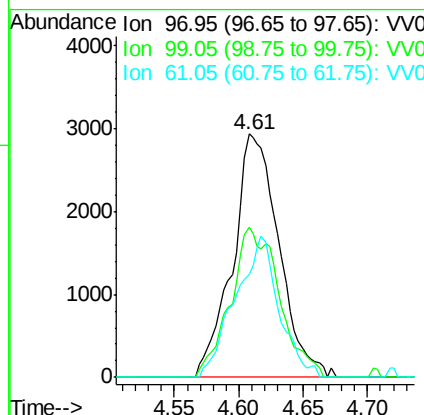
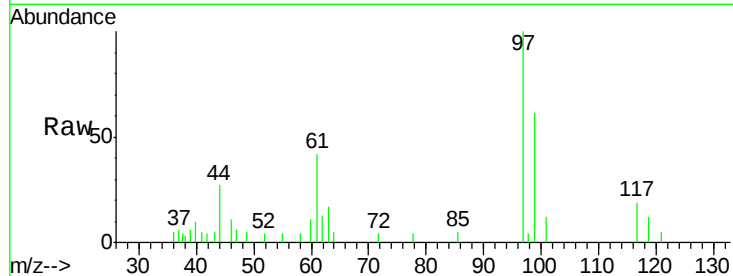
#29
1,1,1-Trichloroethane
Concen: 0.207 ug/L
RT: 4.61 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	54.7	38.6	57.8

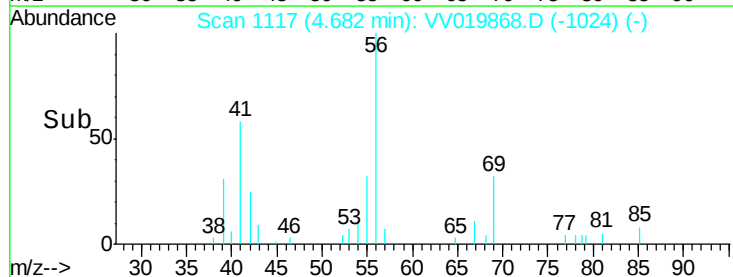
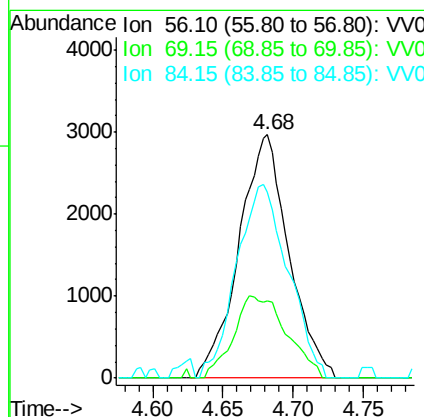
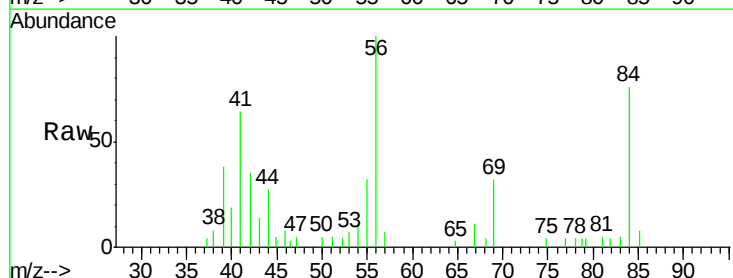
Manual Integrations
APPROVED

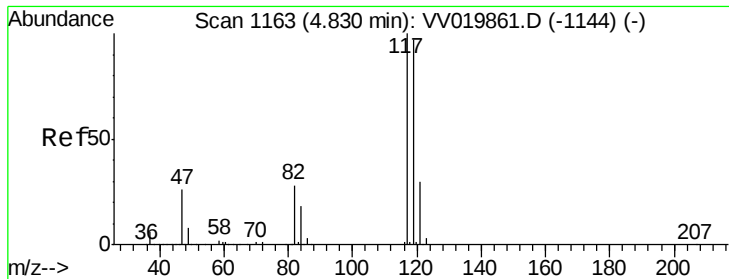
MMDadoda
12/30/2020 6:35:38 PM



#30
Cyclohexane
Concen: 0.205 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.1	36.1
84	82.1	66.8	100.2





#31

Carbon tetrachloride

Concen: 0.206 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03

Tot Ion:117 Resp: 5986

Ion Ratio Lower Upper

117 100

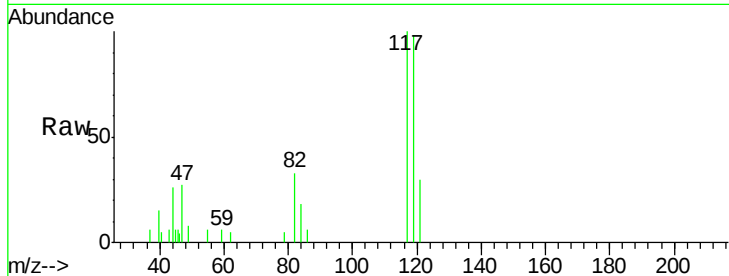
119 96.3 76.0 114.0

Manual Integrations

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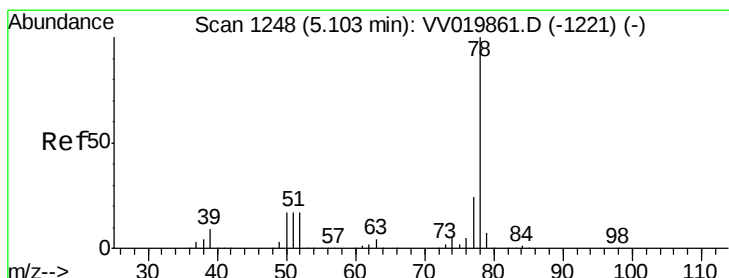
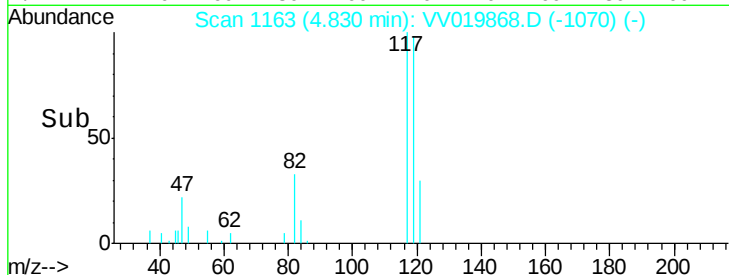
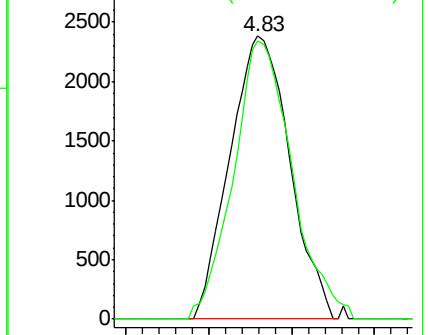
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.204 ug/L

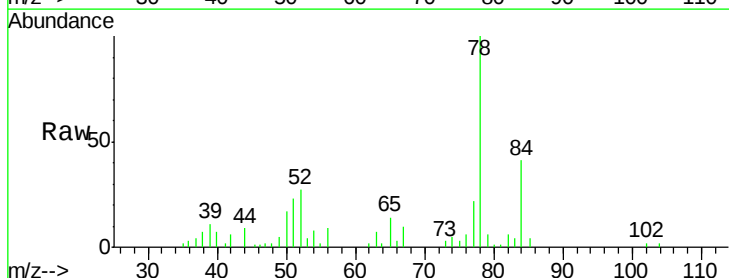
RT: 5.11 min Scan# 1250

Delta R.T. 0.01 min

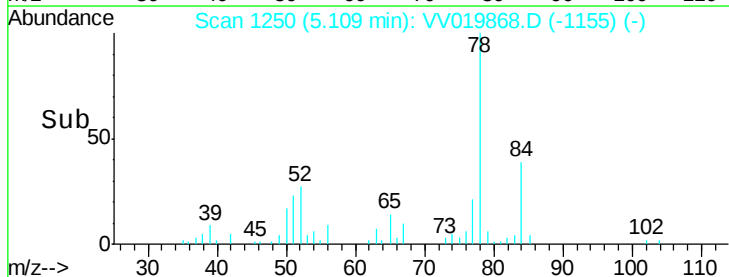
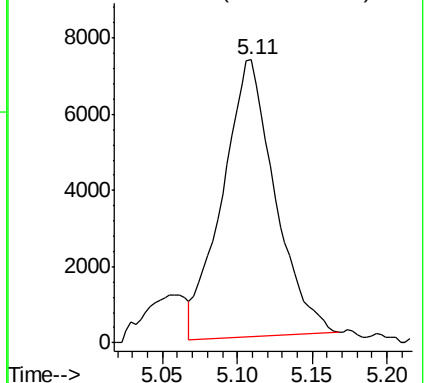
Lab File: VV019868.D

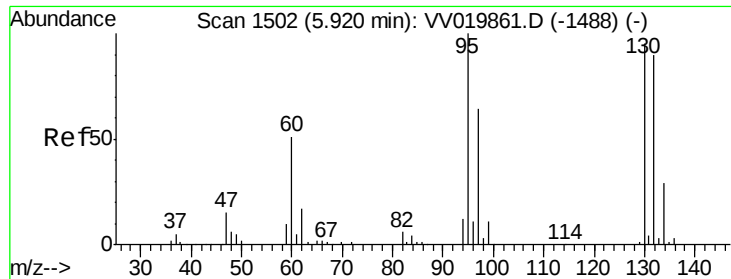
Acq: 29 Dec 2020 17:17

Tgt Ion: 78 Resp: 17755



Abundance Ion 78.10 (77.80 to 78.80): VV0





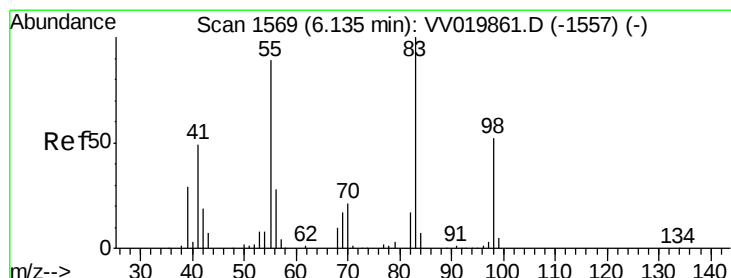
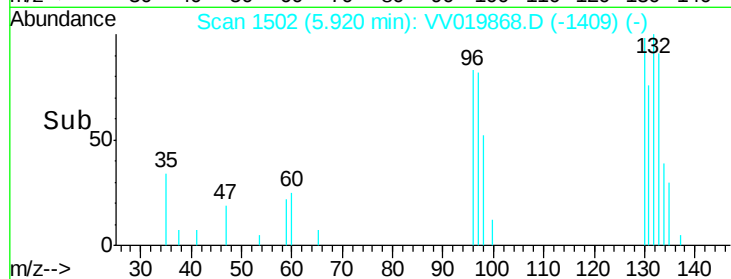
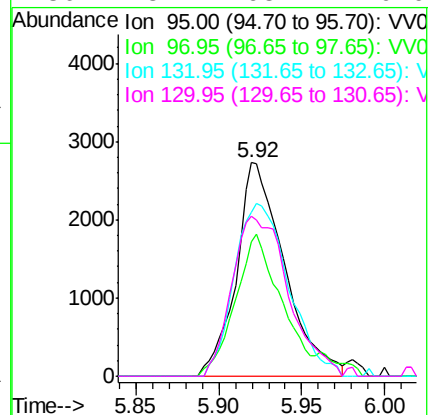
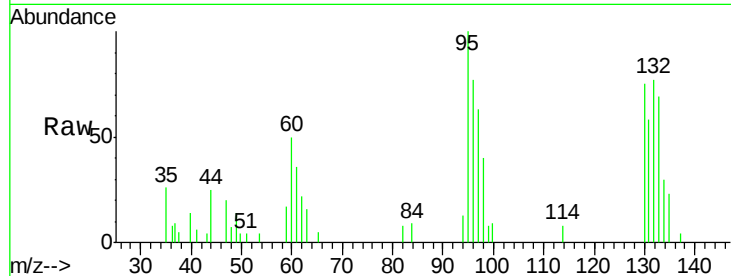
#34
 Trichloroethene
 Concen: 0.237 ug/L
 RT: 5.92 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.1	81.9
132	76.6	61.2	113.8
130	75.1	65.1	120.9

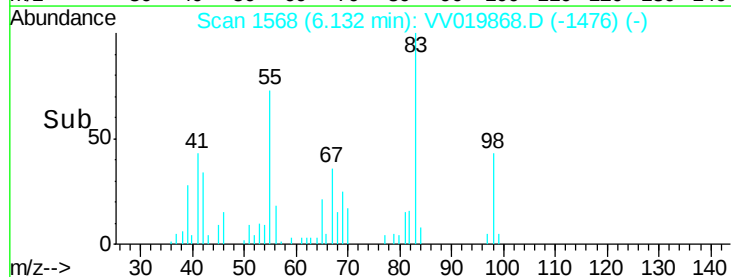
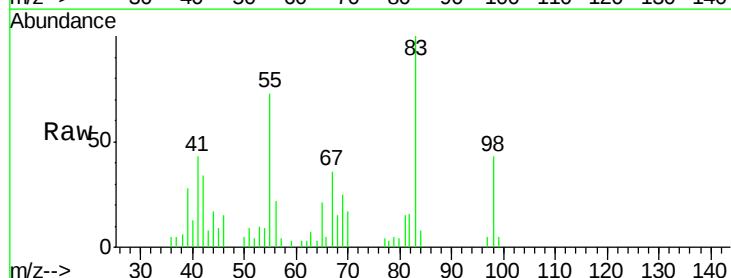
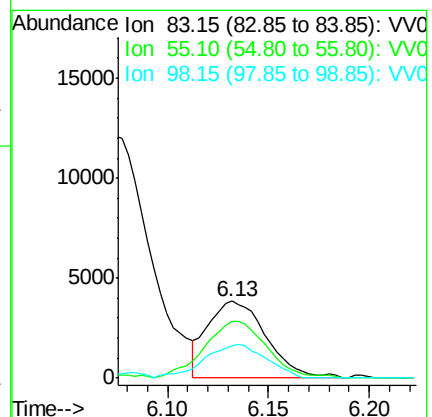
Manual Integrations
 APPROVED

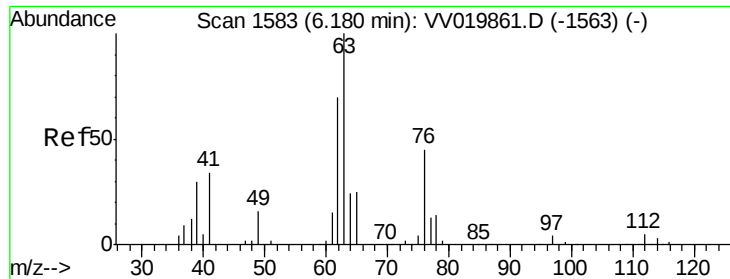
MMDadoda
 12/30/2020 6:35:38 PM



#35
 Methylcyclohexane
 Concen: 0.224 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.2	67.5	101.3
98	45.9	38.6	58.0





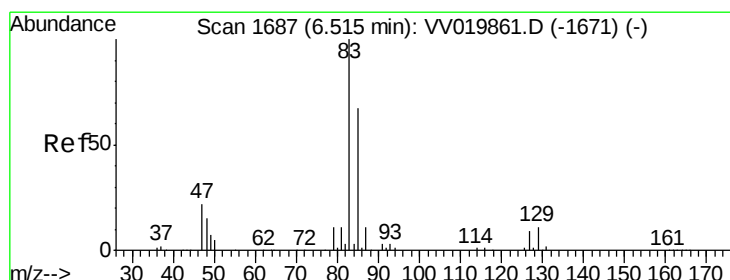
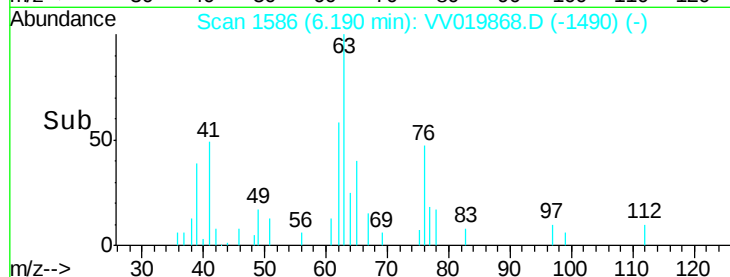
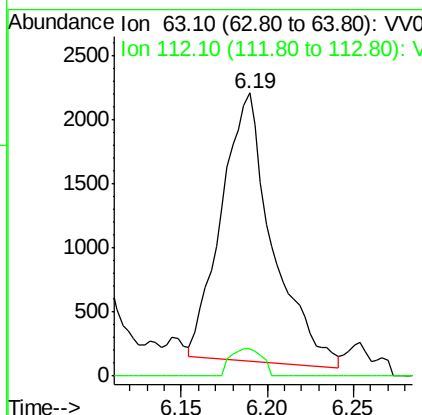
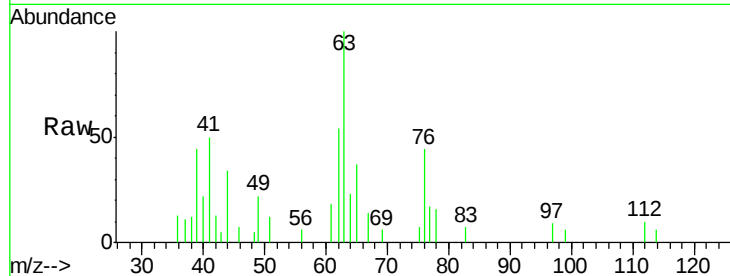
#37
 1,2-Dichloropropane
 Concen: 0.196 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion: 63 Resp: 4296
 Ion Ratio Lower Upper
 63 100
 112 6.3 3.6 5.4#

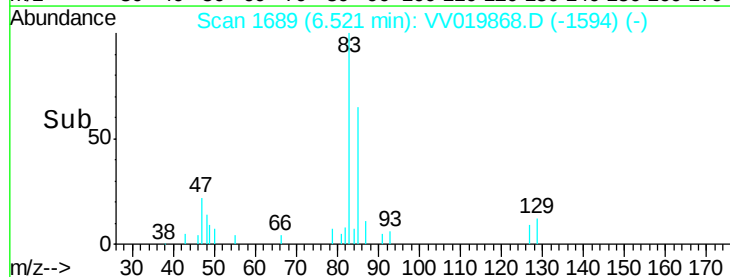
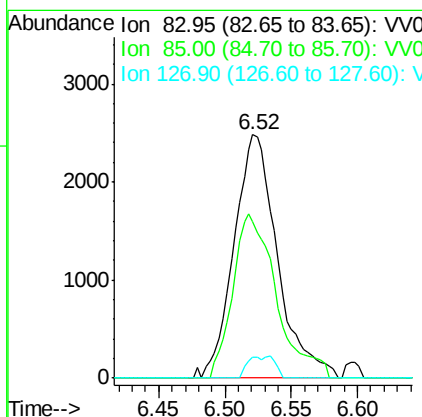
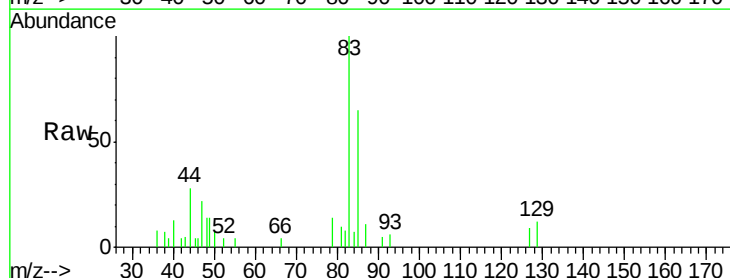
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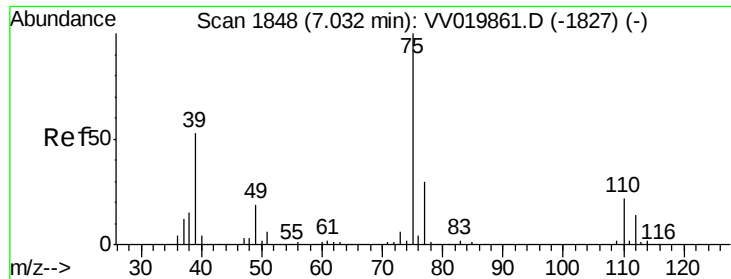
MMDadoda
 12/30/2020 6:35:38 PM



#38
 Bromodichloromethane
 Concen: 0.210 ug/L
 RT: 6.52 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion: 83 Resp: 5673
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.9 85.3
 127 8.6 6.2 9.2





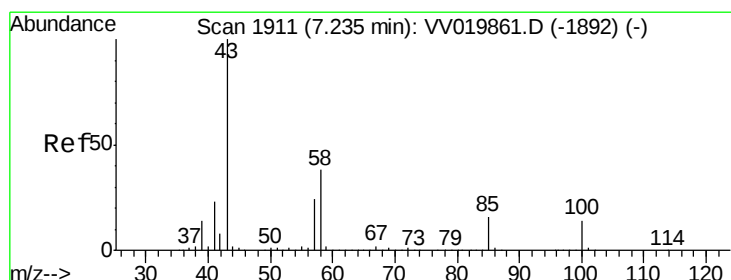
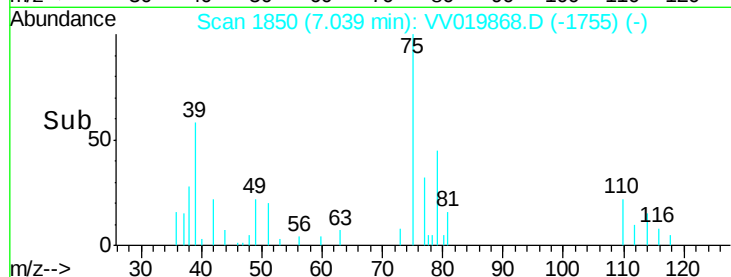
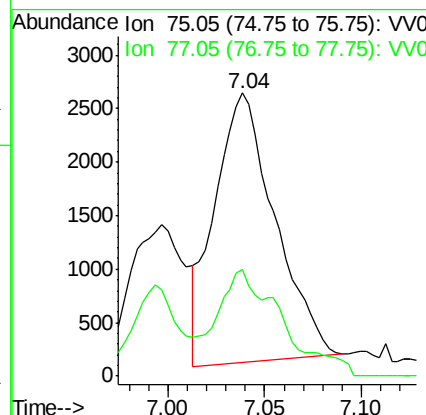
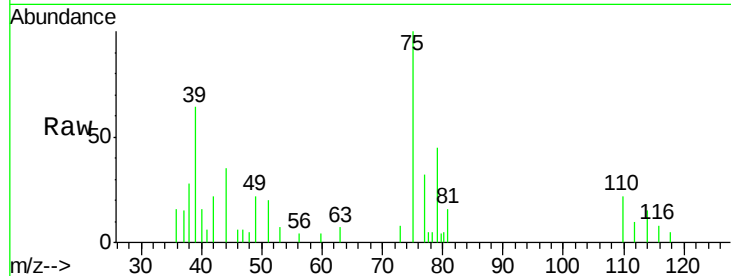
#39
 cis-1,3-Dichloropropene
 Concen: 0.182 ug/L
 RT: 7.04 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion: 75 Resp: 5458
 Ion Ratio Lower Upper
 75 100
 77 37.7 21.0 39.0

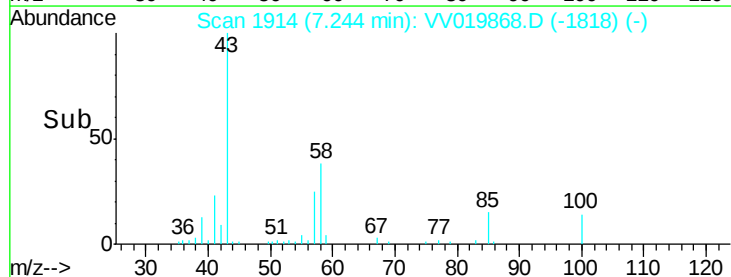
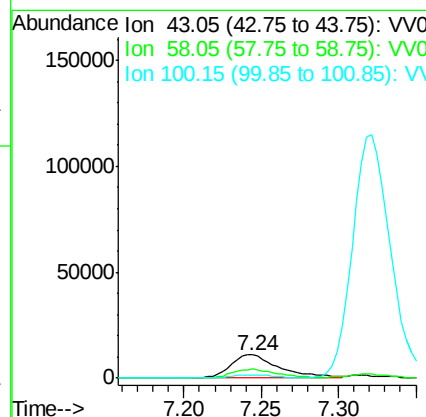
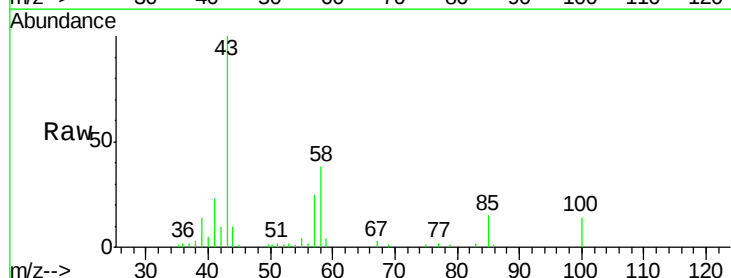
Manual Integrations
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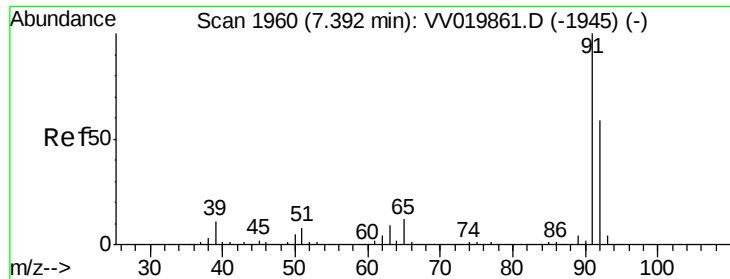
MMDadoda
 12/30/2020 6:35:38 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.936 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion: 43 Resp: 23916
 Ion Ratio Lower Upper
 43 100
 58 35.8 30.0 45.0
 100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.224 ug/L

RT: 7.40 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03

Tot Ion: 91 Resp: 19809

Ion Ratio Lower Upper

91 100

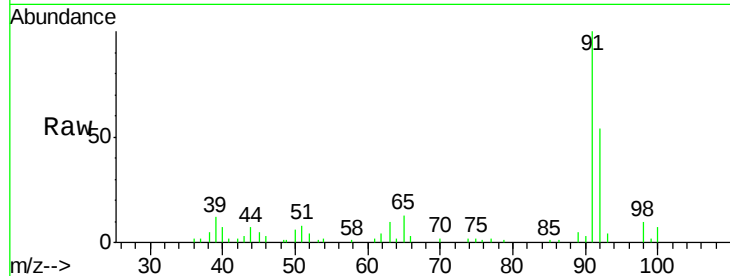
92 54.1 40.9 76.0

Manual Integrations

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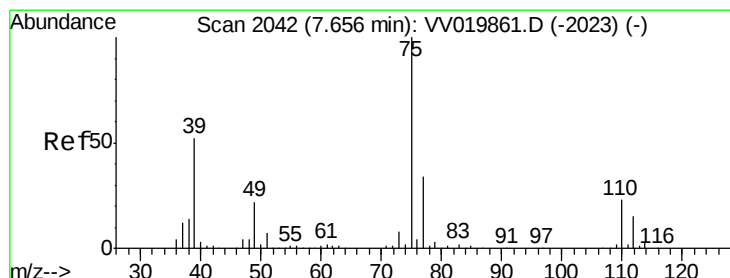
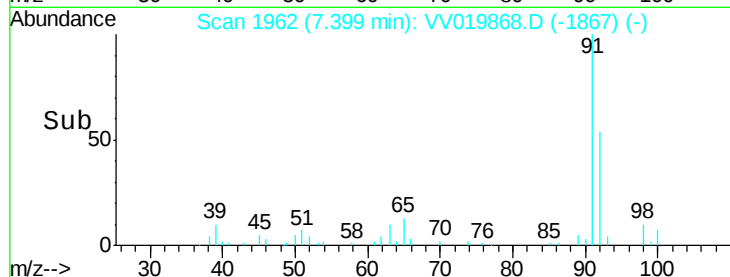
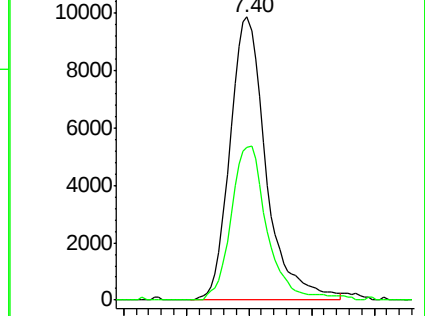
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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.205 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. 0.01 min

Lab File: VV019868.D

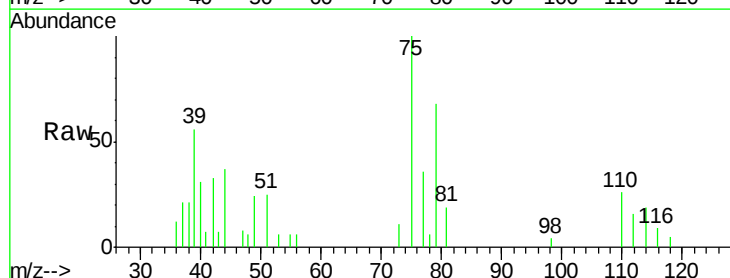
Acq: 29 Dec 2020 17:17

Tgt Ion: 75 Resp: 5048

Ion Ratio Lower Upper

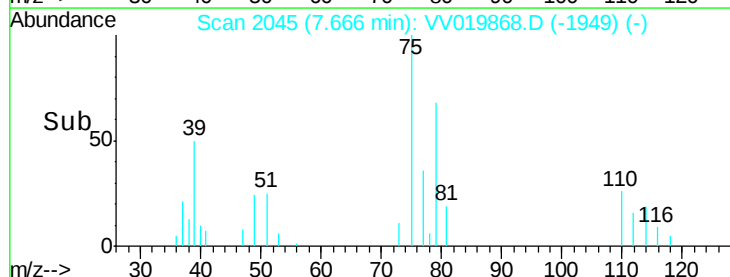
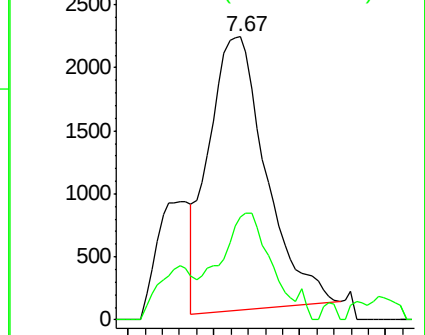
75 100

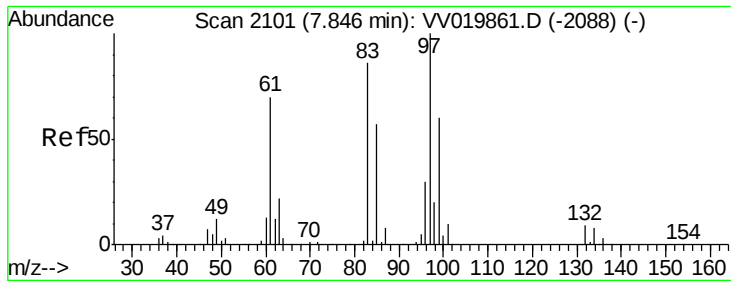
77 36.3 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





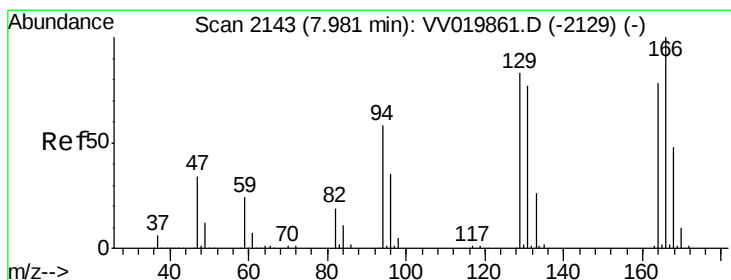
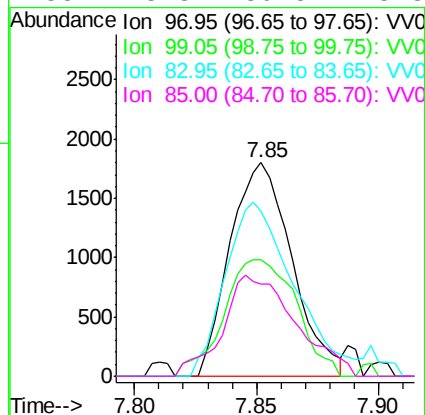
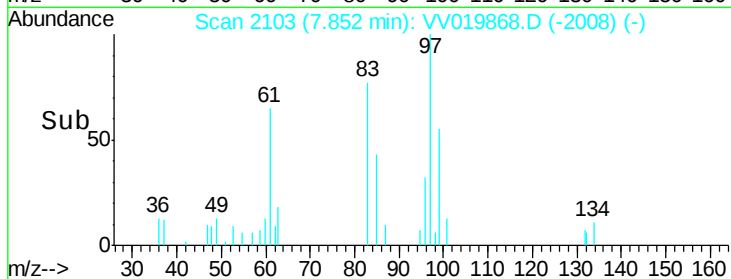
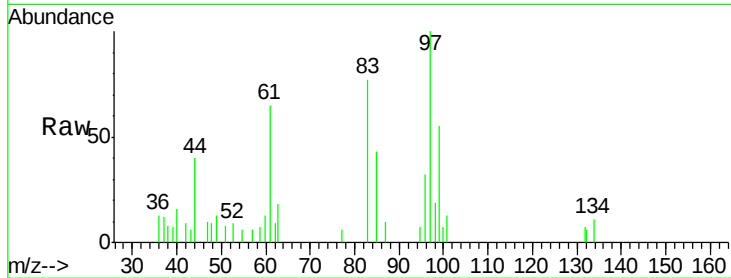
#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. 0.01 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion:	97	Resp:	3179
Ion	Ratio	Lower	Upper
97	100		
99	54.7	42.4	78.8
83	77.1	59.4	110.4
85	43.3	39.5	73.3

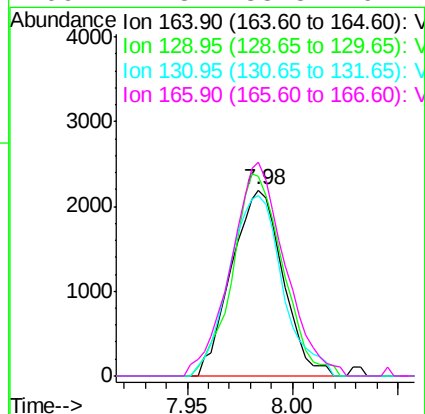
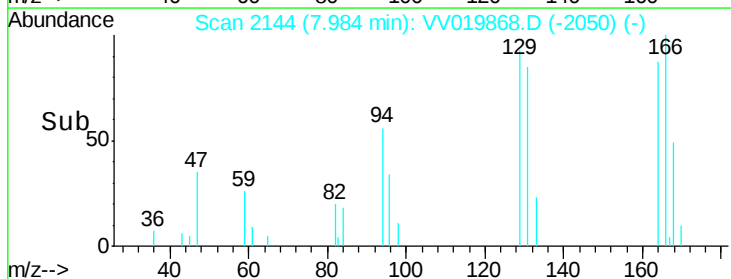
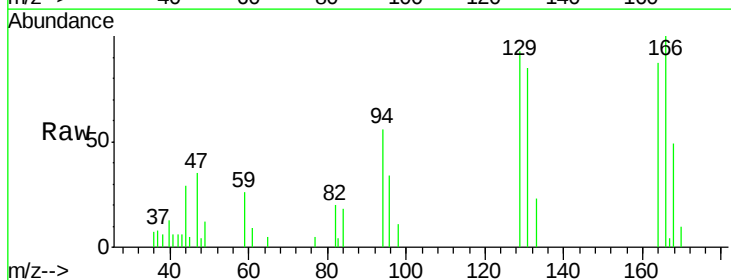
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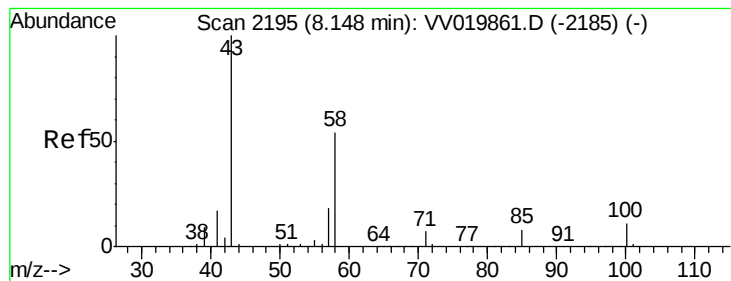
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#47
Tetrachloroethene
Concen: 0.233 ug/L
RT: 7.98 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion:	164	Resp:	3694
Ion	Ratio	Lower	Upper
164	100		
129	107.0	72.1	133.9
131	97.1	68.9	127.9
166	114.8	88.5	164.4





#48

2-Hexanone

Concen: 4.027 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

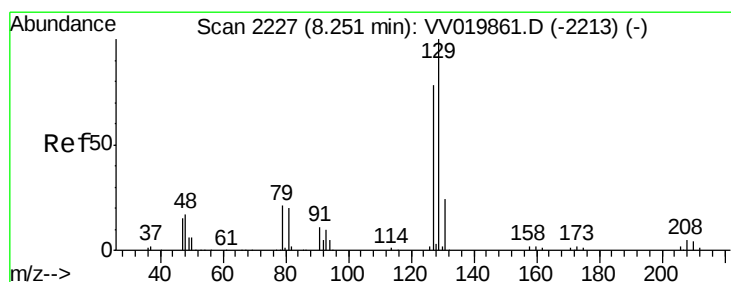
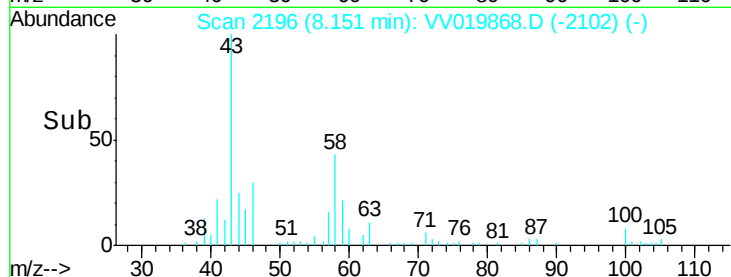
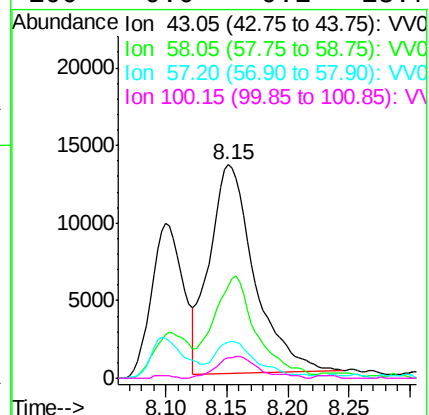
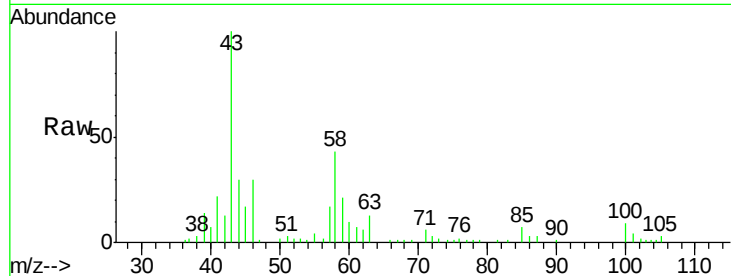
ClientSampleId :

MDL-WATER-03

Tot Ion	43	Resp:	34476
Ion	Ratio	Lower	Upper
43	100		
58	46.0	42.4	63.6
57	15.1	14.8	22.2
100	9.0	9.1	13.7#

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#49

Dibromochloromethane

Concen: 0.186 ug/L

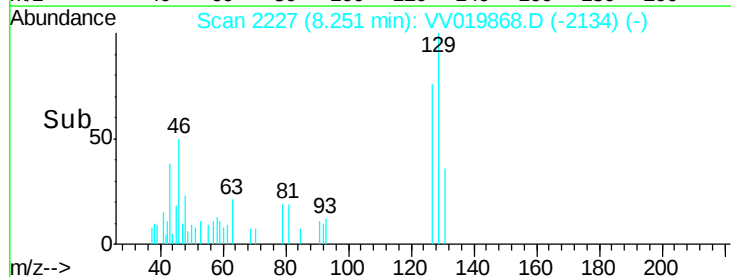
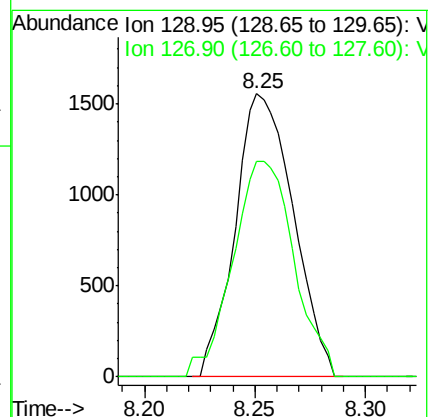
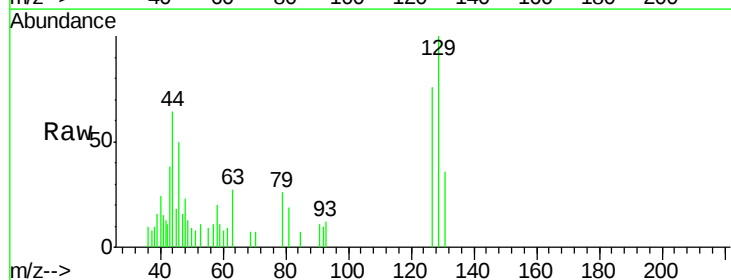
RT: 8.25 min Scan# 2227

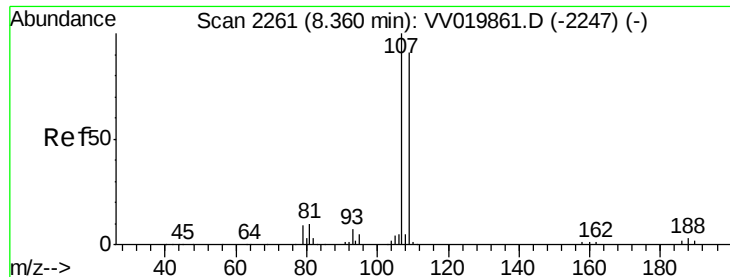
Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Tgt Ion	129	Resp:	2846
Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.0	102.2





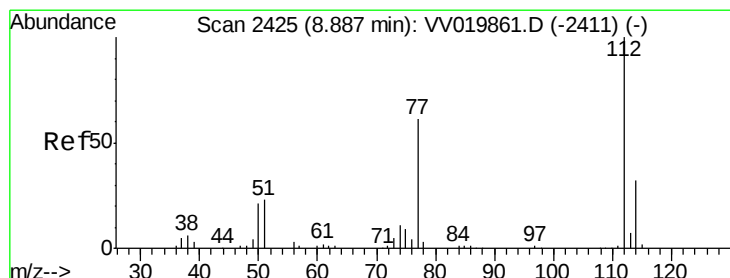
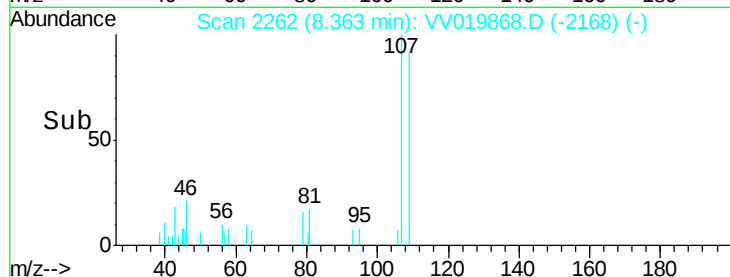
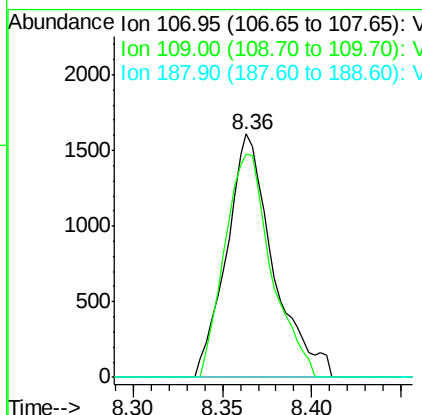
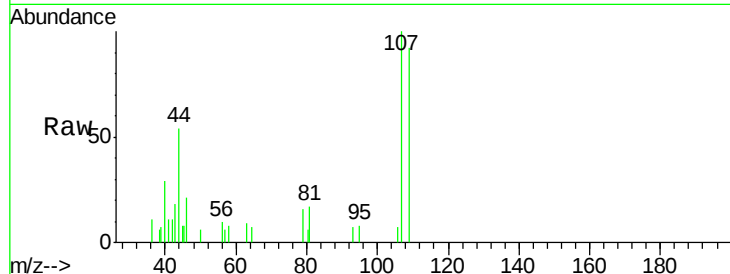
#50
1,2-Dibromoethane
Concen: 0.227 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	63.8	118.4
188	0.0	2.5	3.7#

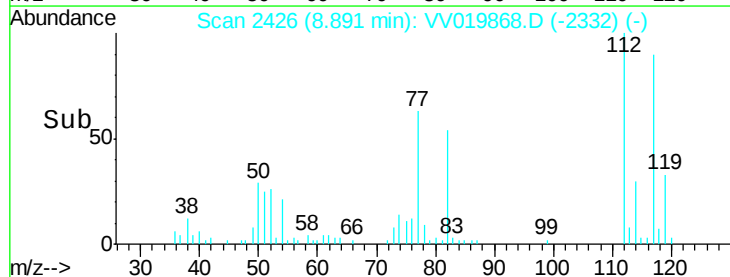
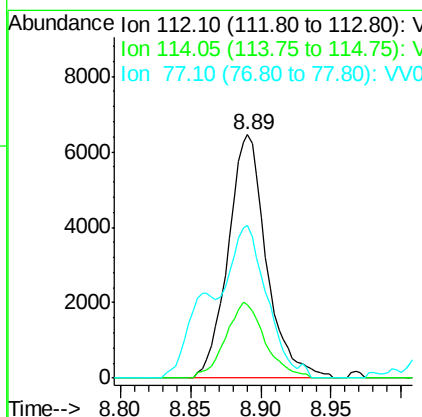
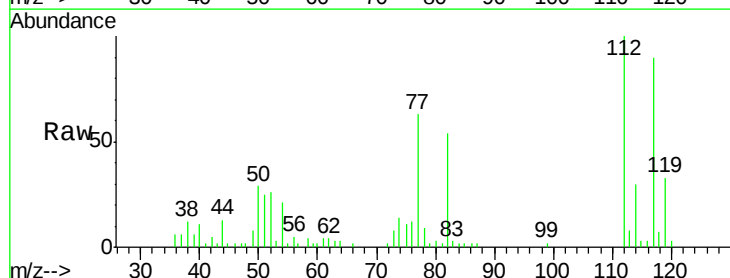
Manual Integrations
APPROVED

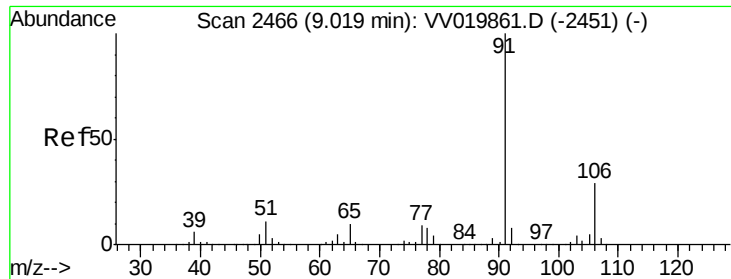
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#51
Chlorobenzene
Concen: 0.219 ug/L
RT: 8.89 min Scan# 2426
Delta R.T. 0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.2	21.8	40.6
77	62.6	51.0	76.4





#52

Ethylbenzene

Concen: 0.199 ug/L

RT: 9.02 min Scan# 2467

Delta R.T. 0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03

Tot Ion: 91 Resp: 19567

Ion Ratio Lower Upper

91 100

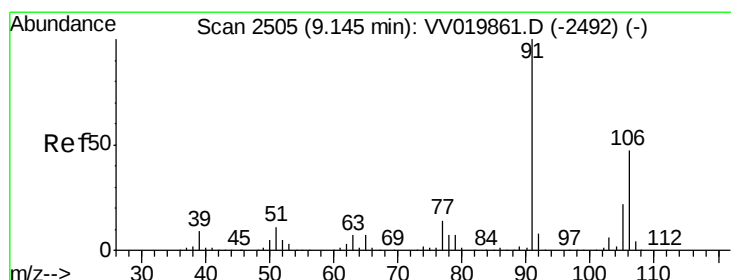
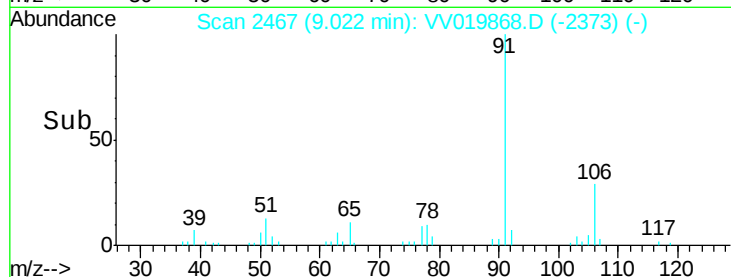
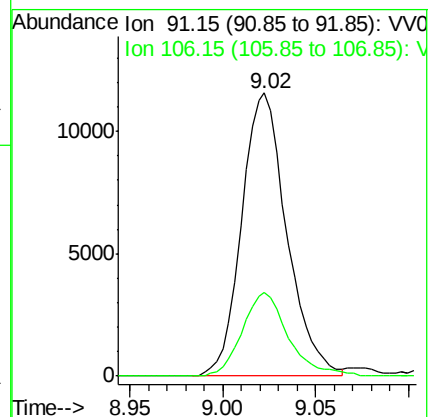
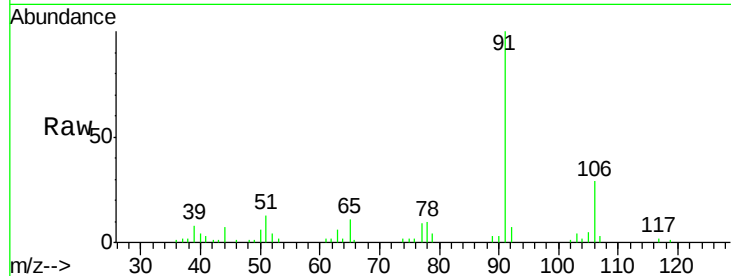
106 29.4 20.9 38.7

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#53

m,p-xylene

Concen: 0.199 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VV019868.D

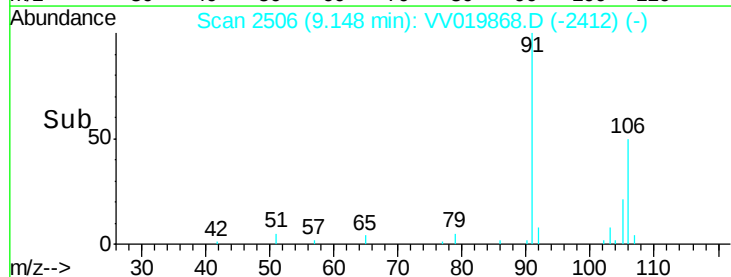
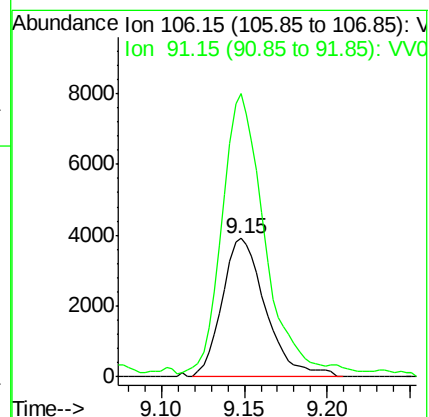
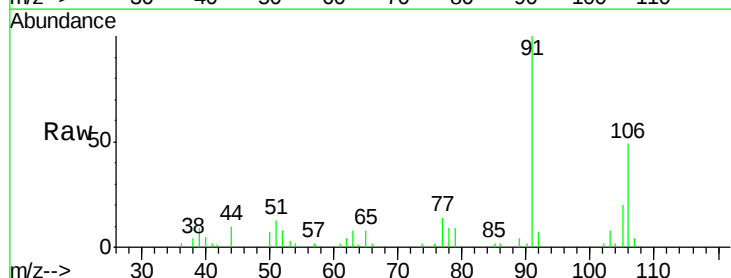
Acq: 29 Dec 2020 17:17

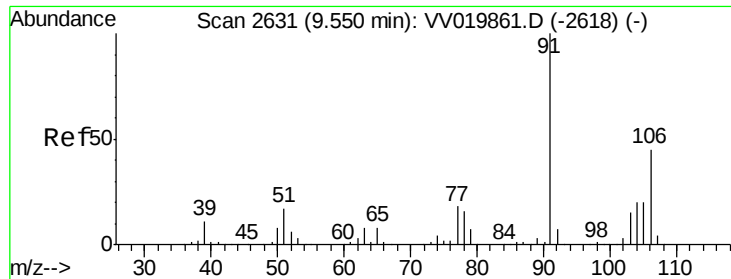
Tgt Ion: 106 Resp: 7148

Ion Ratio Lower Upper

106 100

91 205.0 147.1 273.1





#54

o-xylene

Concen: 0.208 ug/L

RT: 9.55 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03

Tot Ion:106 Resp: 7159

Ion Ratio Lower Upper

106 100

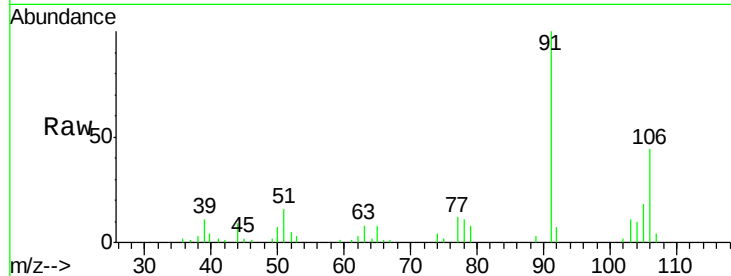
91 224.8 155.8 289.3

Manual Integrations

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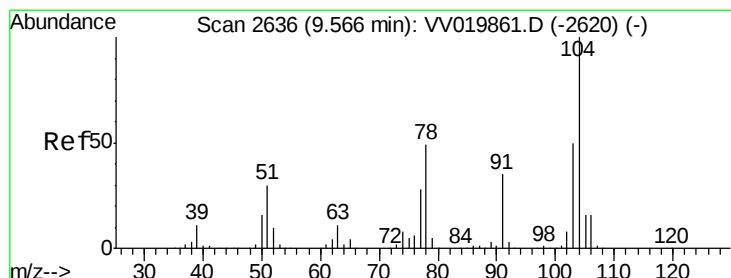
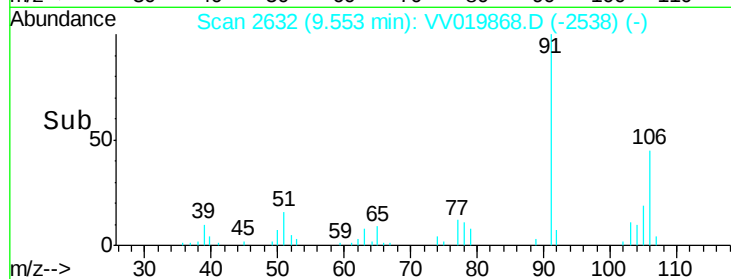
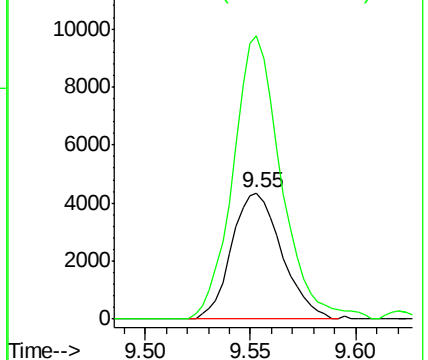
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.174 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019868.D

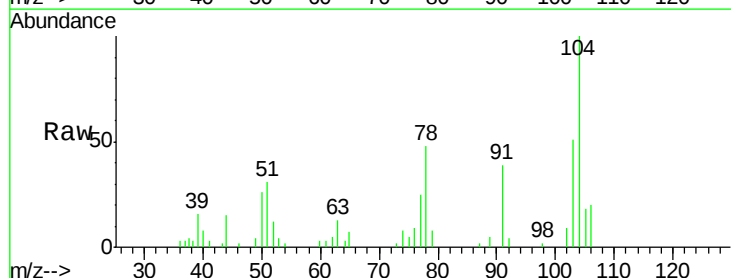
Acq: 29 Dec 2020 17:17

Tgt Ion:104 Resp: 10101

Ion Ratio Lower Upper

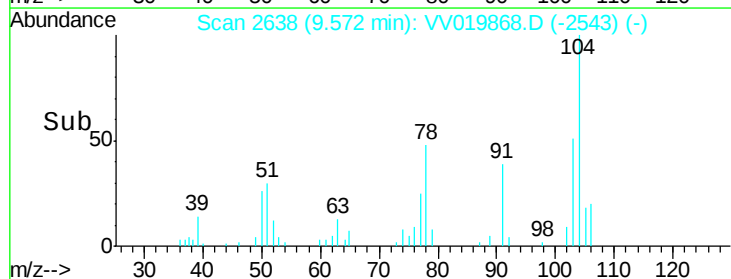
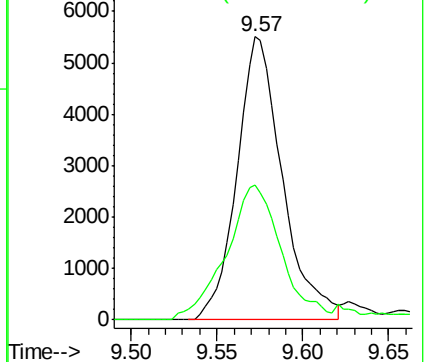
104 100

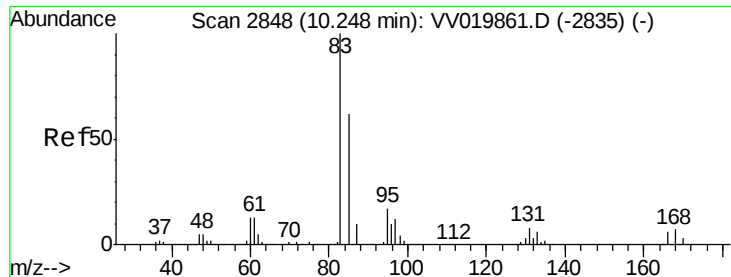
78 47.6 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.223 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

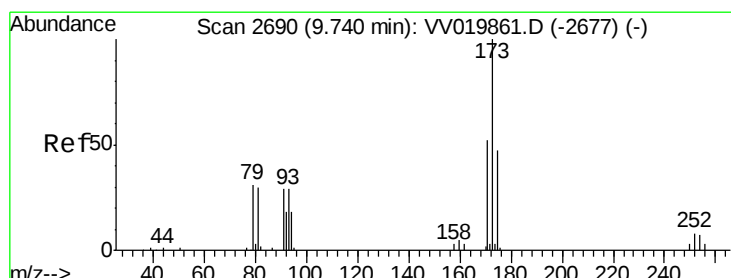
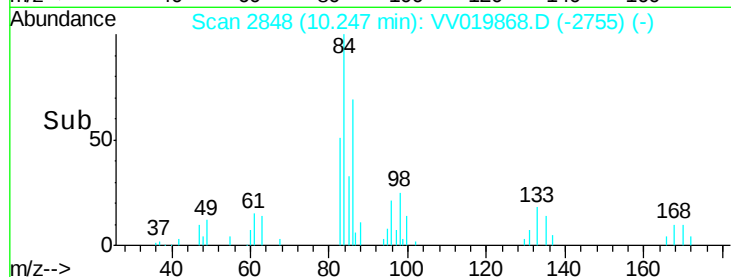
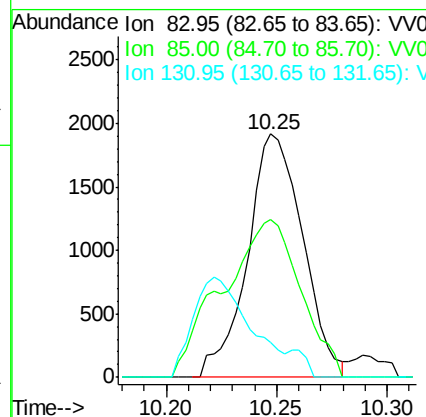
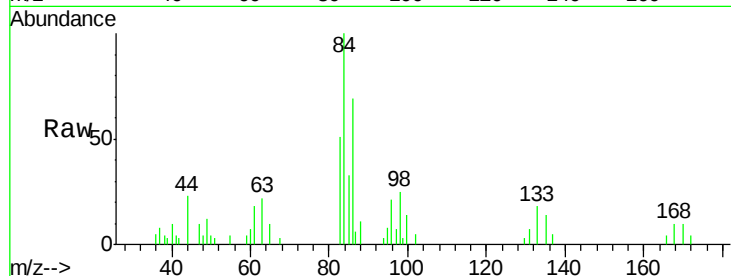
ClientSampleId :

MDL-WATER-03

Tot Ion:	83	Resp:	3336
Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.3	82.3
131	14.5	7.4	11.2#

Manual Integrations
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12/30/2020 6:35:38 PM



#59

Bromoform

Concen: 0.203 ug/L

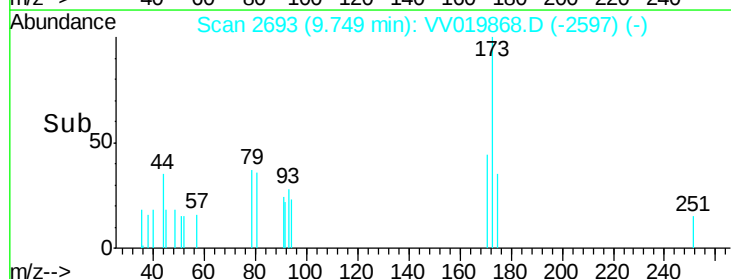
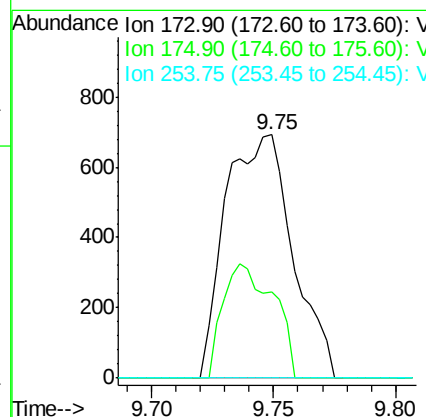
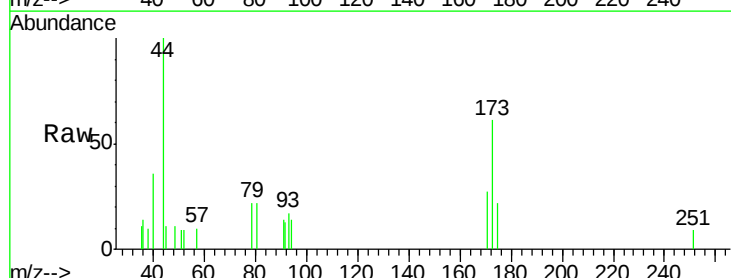
RT: 9.75 min Scan# 2693

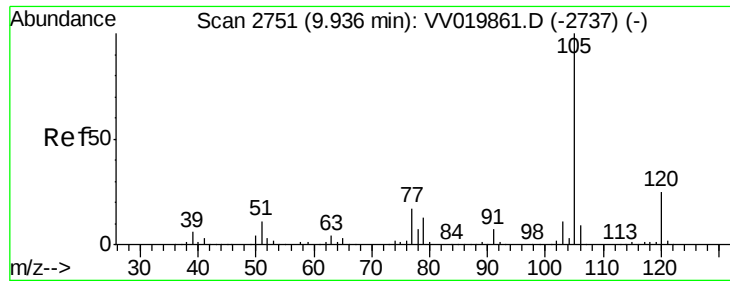
Delta R.T. 0.01 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Tgt Ion:	173	Resp:	1326
Ion	Ratio	Lower	Upper
173	100		
175	35.4	38.3	57.5#
254	0.0	6.4	9.6#





#60

Isopropylbenzene

Concen: 0.207 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Instrument :

MSVOA_V

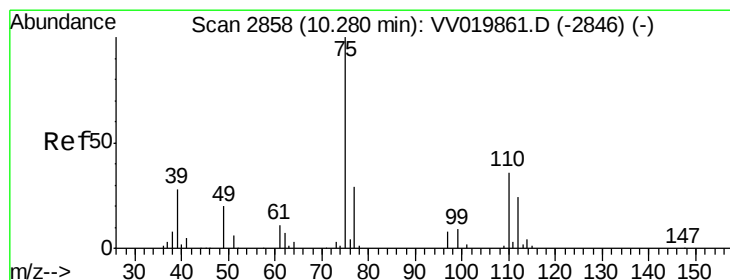
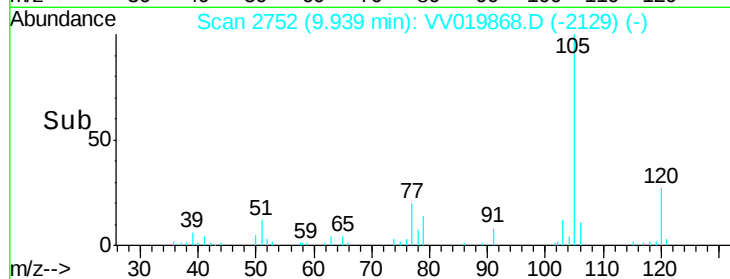
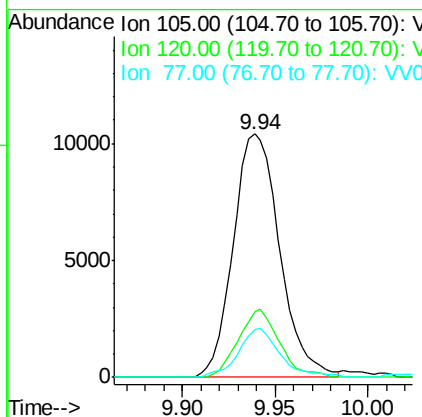
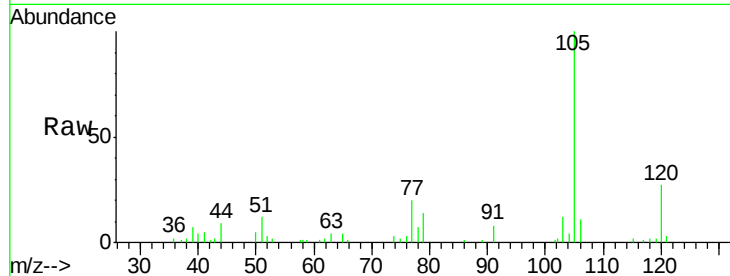
ClientSampleId :

MDL-WATER-03

Tot Ion:	105	Resp:	18154
Ion Ratio	Lower	Upper	
105	100		
120	24.6	20.4	30.6
77	18.2	13.7	20.5

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#61

1,2,3-Trichloropropane

Concen: 0.223 ug/L

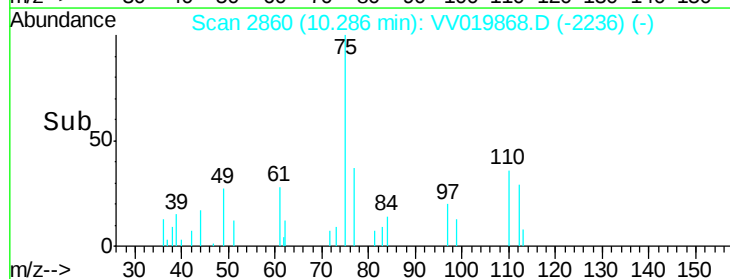
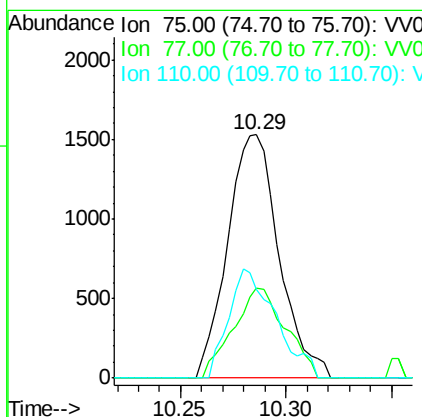
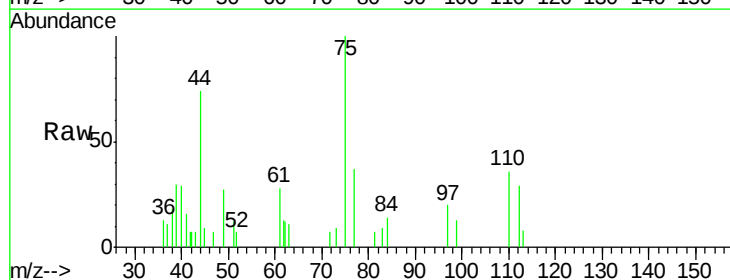
RT: 10.29 min Scan# 2860

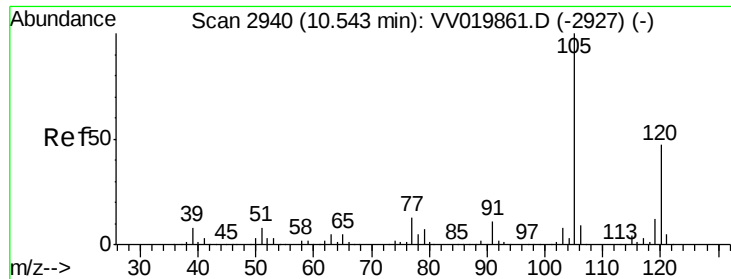
Delta R.T. 0.01 min

Lab File: VV019868.D

Acq: 29 Dec 2020 17:17

Tgt Ion:	75	Resp:	2593
Ion Ratio	Lower	Upper	
75	100		
77	37.8	25.6	38.4
110	40.9	30.5	45.7





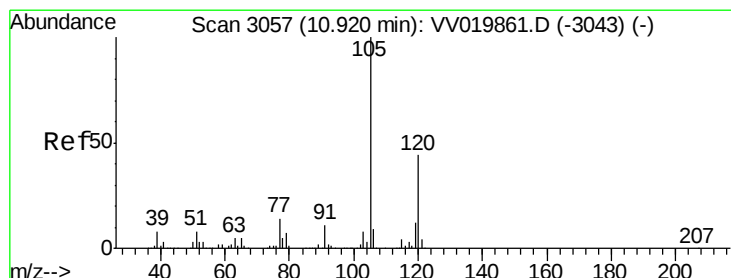
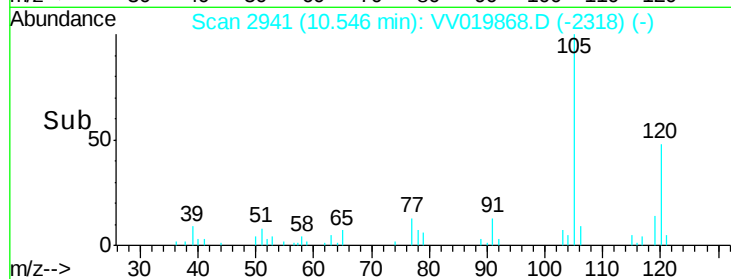
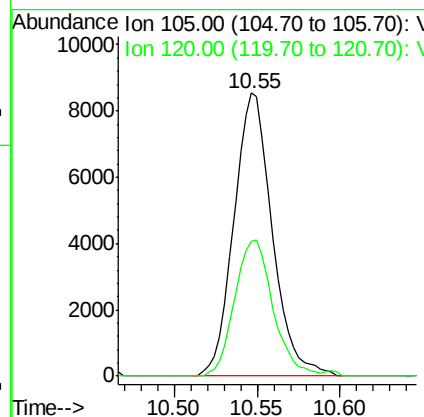
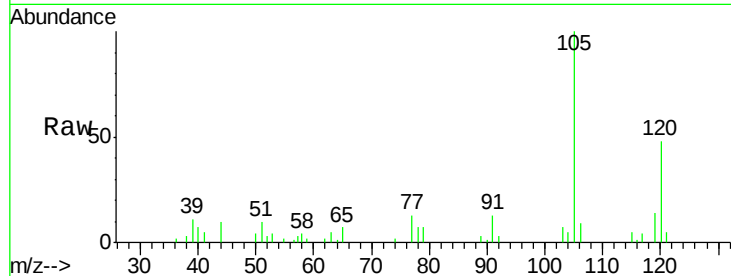
#62
 1,3,5-Trimethylbenzene
 Concen: 0.190 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion:105 Resp: 13763
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.8 56.6

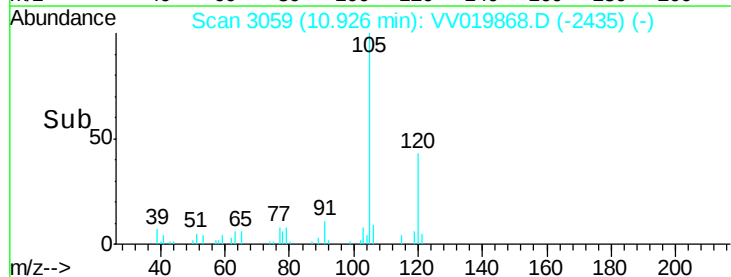
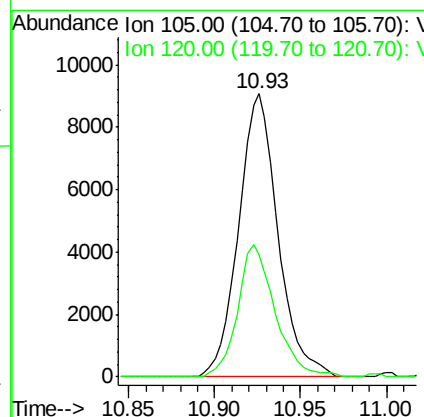
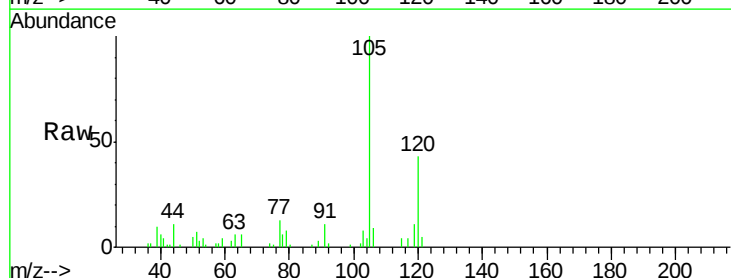
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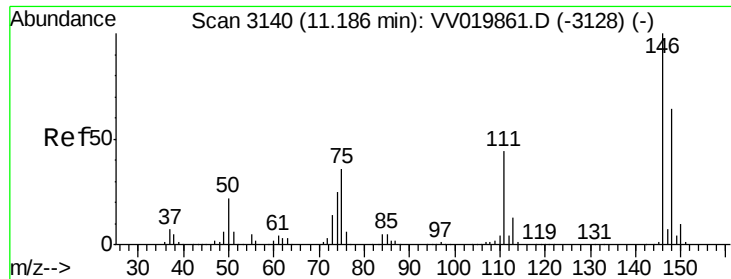
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.194 ug/L
 RT: 10.93 min Scan# 3059
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion:105 Resp: 14356
 Ion Ratio Lower Upper
 105 100
 120 44.5 34.9 52.3





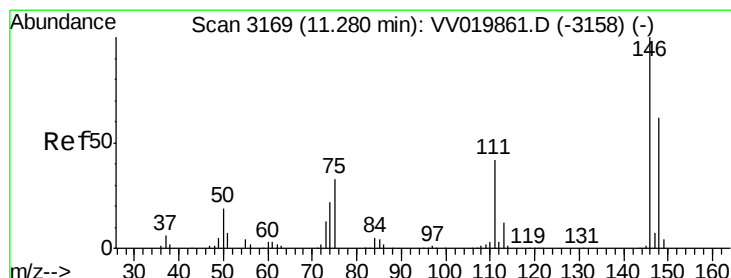
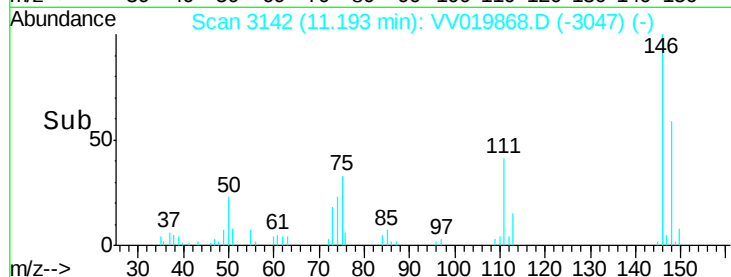
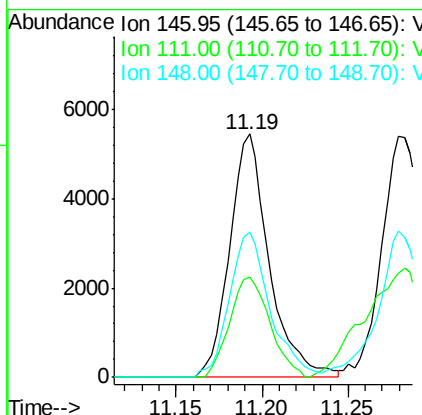
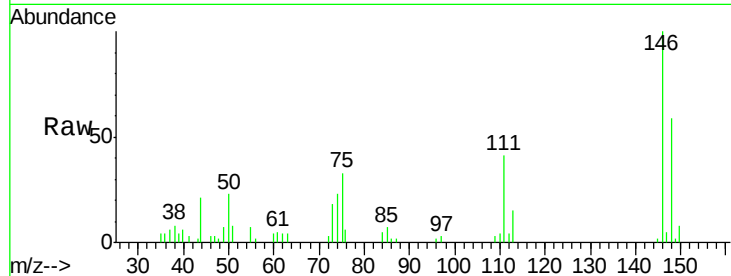
#64
 1,3-Dichlorobenzene
 Concen: 0.227 ug/L
 RT: 11.19 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	30.4	56.5
148	59.4	45.8	85.2

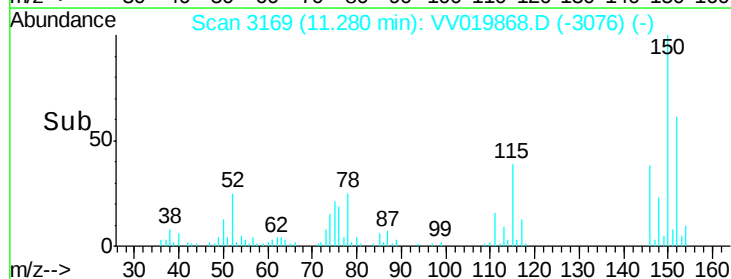
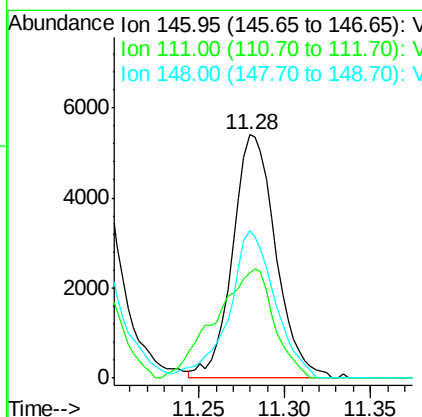
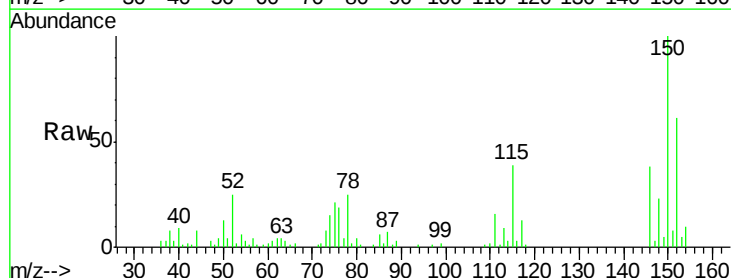
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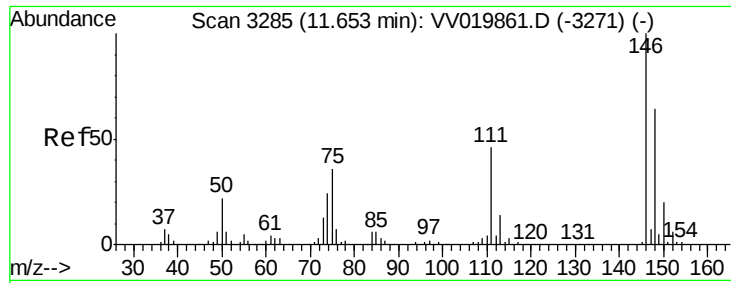
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#65
 1,4-Dichlorobenzene
 Concen: 0.244 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	29.7	55.1
148	60.5	45.1	83.7





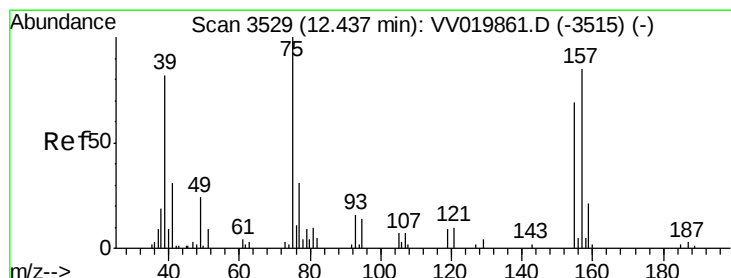
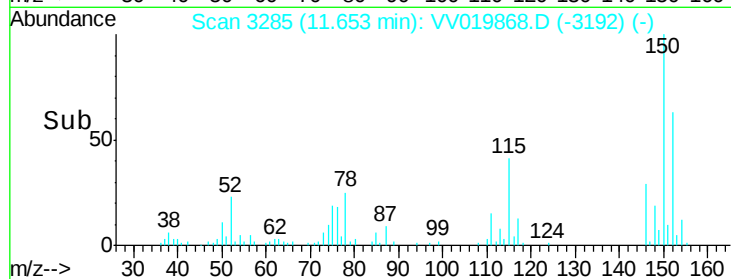
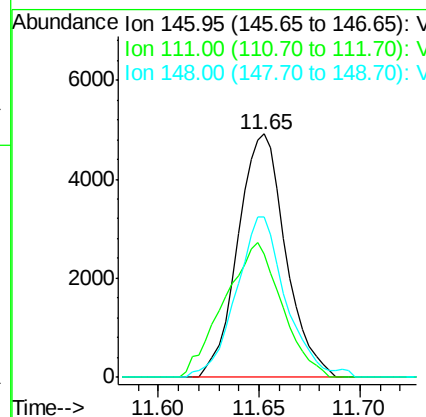
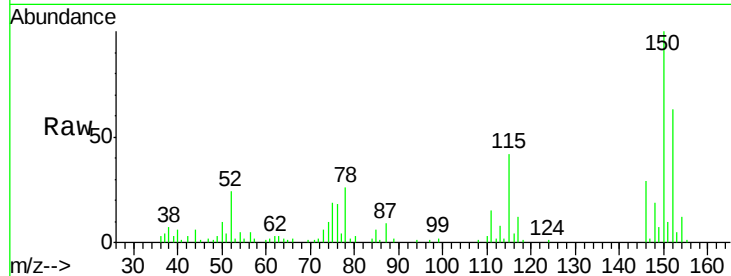
#67
 1,2-Dichlorobenzene
 Concen: 0.230 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	37.7	56.5
148	65.7	50.6	75.8

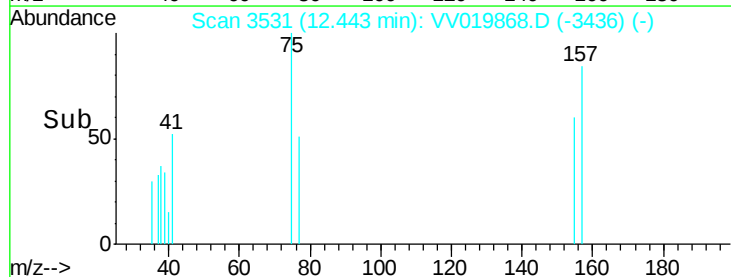
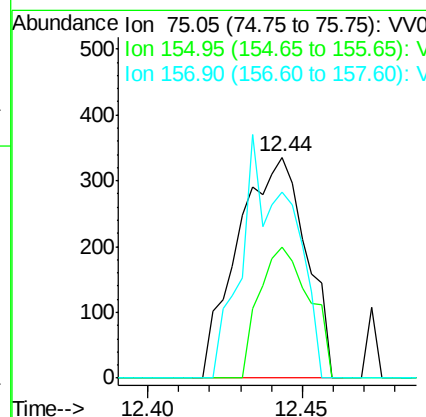
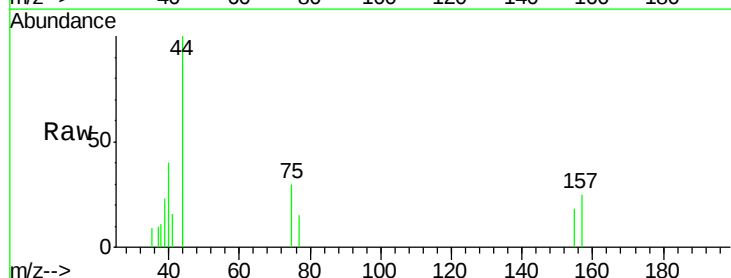
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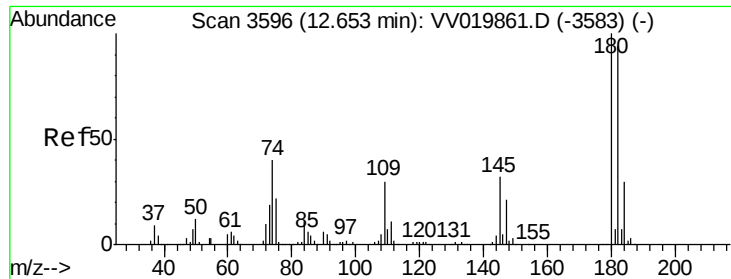
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.214 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.5	56.5	84.7
157	83.9	74.2	111.2





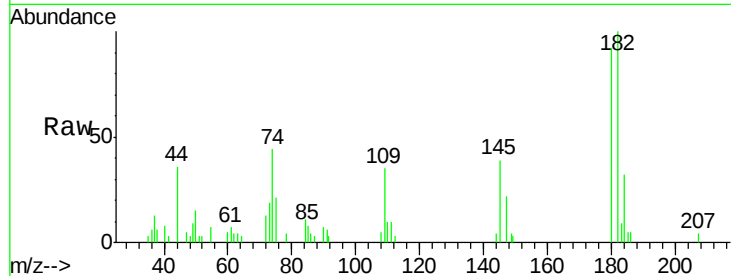
#69
 1,3,5-Trichlorobenzene
 Concen: 0.193 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.9	75.9	113.9
184	34.0	23.5	35.3
145	35.1	26.2	39.2

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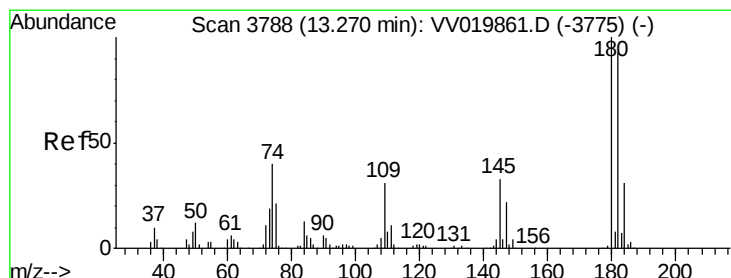
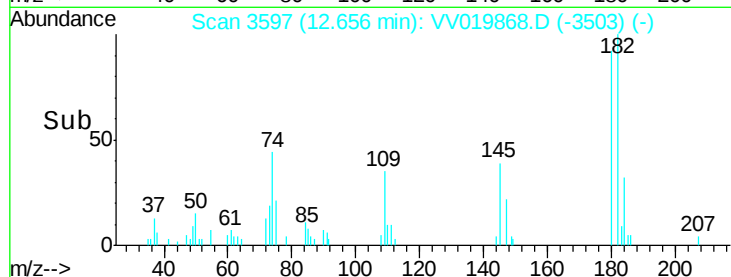
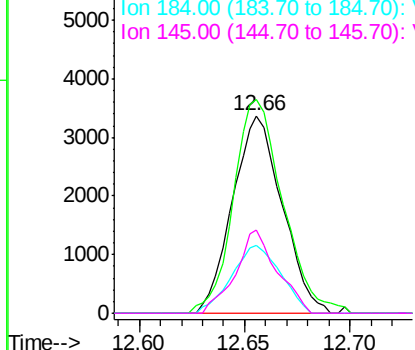


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

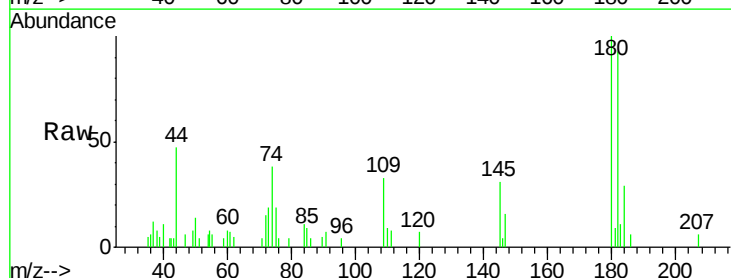
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 0.199 ug/L
 RT: 13.28 min Scan# 3790
 Delta R.T. 0.01 min
 Lab File: VV019868.D
 Acq: 29 Dec 2020 17:17

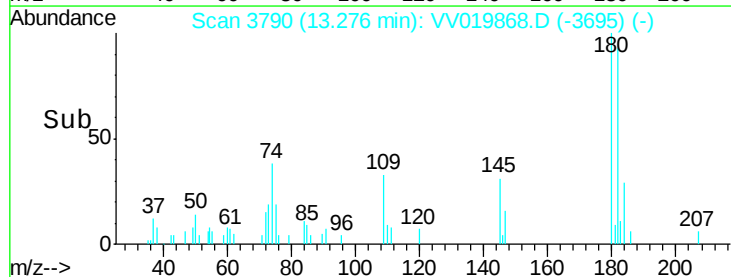
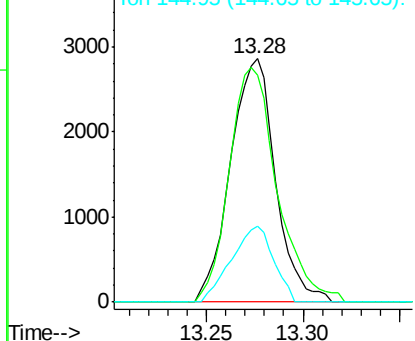
Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	75.9	113.9
145	29.2	26.6	39.8

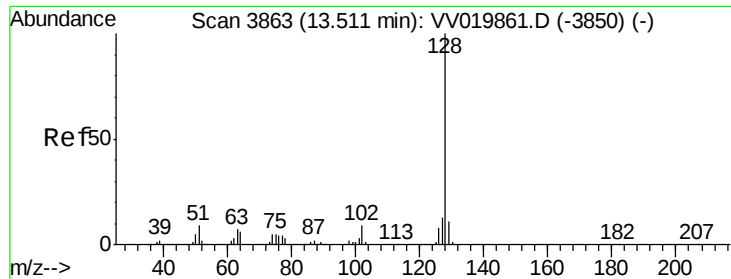


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





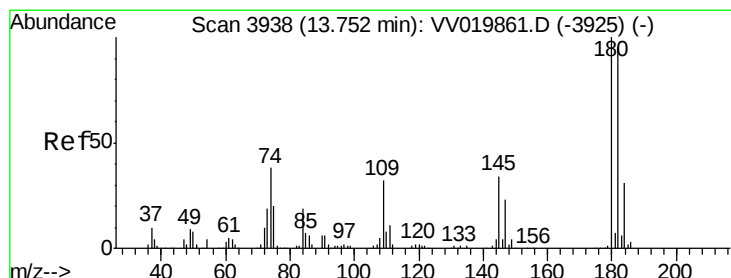
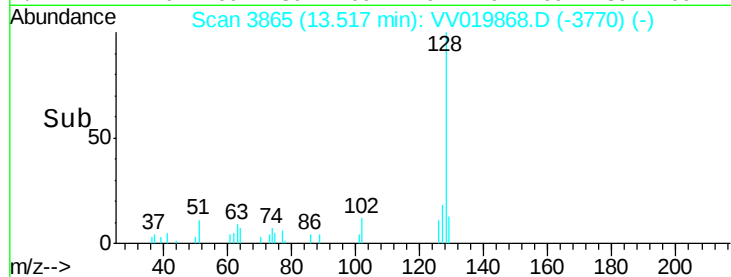
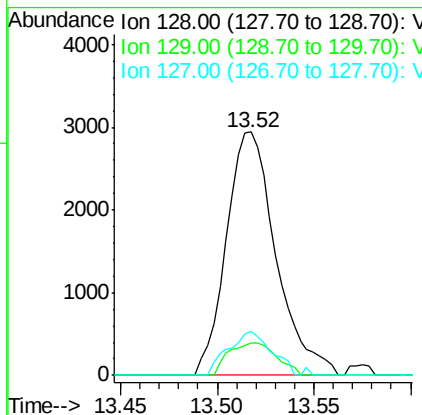
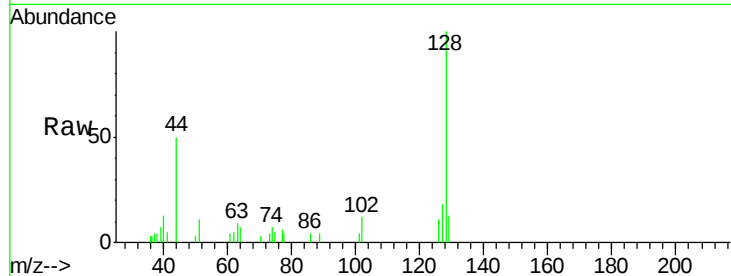
#71
Naphthalene
Concen: 0.150 ug/L
RT: 13.52 min Scan# 3865
Delta R.T. 0.01 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.5	12.7#
127	15.8	10.2	15.4#

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#72
1,2,3-Trichlorobenzene
Concen: 0.197 ug/L
RT: 13.75 min Scan# 3938
Delta R.T. -0.00 min
Lab File: VV019868.D
Acq: 29 Dec 2020 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.6	112.0
145	36.5	28.8	43.2

