

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019866.D
 Acq On : 29 Dec 2020 16:29
 Operator : SY/MD
 Sample : L4485-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-01

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:35:34 PM

Quant Time: Dec 30 05:06:16 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	287007	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	272114	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	127908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	99686	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.57	69	83469	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.10	63	153943	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.94	46	235974	54.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.32%
24) Chloroform-d	4.35	84	173407	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.04	65	94536	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.05	84	352116	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.07	67	111586	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.32	98	304226	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.63	79	36803	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.10	63	152475	48.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.00%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	66068	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
66) 1,2-Dichlorobenzene-d4	11.63	152	99881	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	6416	0.234 ug/L	99
3) Chloromethane	1.24	50	7476	0.246 ug/L	96
5) Vinyl chloride	1.31	62	7579	0.254 ug/L	87
6) Bromomethane	1.52	94	4512	0.259 ug/L	96
8) Chloroethane	1.58	64	4332	0.238 ug/L	87
9) Trichlorofluoromethane	1.75	101	8155	0.225 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	5379	0.276 ug/L	92
12) 1,1-Dichloroethene	2.11	96	5656	0.284 ug/L #	1
13) Acetone	2.25	43	8658m	2.650 ug/L	
14) Carbon disulfide	2.29	76	16775	0.244 ug/L #	95
15) Methyl Acetate	2.47	43	2712m	0.332 ug/L	
16) Methylene chloride	2.51	84	7769	0.321 ug/L	94
17) Methyl tert-butyl Ether	2.78	73	11517	0.232 ug/L	97
18) trans-1,2-Dichloroethene	2.76	96	5286	0.235 ug/L	97
19) 1,1-Dichloroethane	3.19	63	10173	0.234 ug/L	98
21) 2-Butanone	4.03	43	15725m	2.860 ug/L	
22) cis-1,2-Dichloroethene	3.92	96	5172m	0.221 ug/L	

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Manual Integrations
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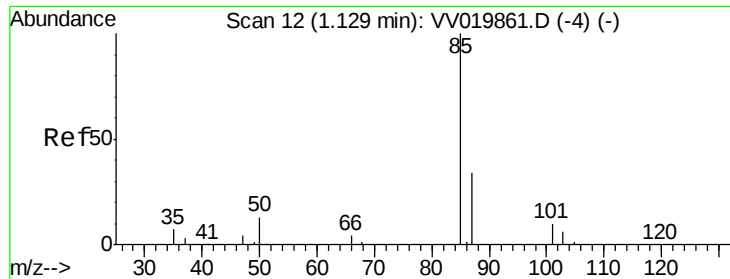
MMDadoda
 12/30/2020 6:35:34 PM

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 Response via : Initial Calibration

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

23) Bromochloromethane	4.26	128	1999	0.215	ug/L	84
25) Chloroform	4.38	83	18530	0.428	ug/L	99
27) 1,2-Dichloroethane	5.14	62	6882	0.261	ug/L	97
29) 1,1,1-Trichloroethane	4.61	97	8692	0.234	ug/L	97
30) Cyclohexane	4.68	56	8404	0.225	ug/L #	91
31) Carbon tetrachloride	4.83	117	6406	0.211	ug/L	96
33) Benzene	5.11	78	21178	0.232	ug/L	100
34) Trichloroethene	5.93	95	6126	0.252	ug/L	92
35) Methylcyclohexane	6.14	83	8067	0.222	ug/L	92
37) 1,2-Dichloropropane	6.19	63	4981	0.218	ug/L	100
38) Bromodichloromethane	6.52	83	6667	0.237	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	7579	0.242	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	28905	2.240	ug/L #	89
42) Toluene	7.40	91	20465	0.221	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	7113	0.277	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	3577	0.242	ug/L	91
47) Tetrachloroethene	7.98	164	3849	0.233	ug/L	96
48) 2-Hexanone	8.15	43	37314	4.173	ug/L	95
49) Dibromochloromethane	8.26	129	3577	0.224	ug/L	78
50) 1,2-Dibromoethane	8.36	107	3340	0.249	ug/L #	98
51) Chlorobenzene	8.89	112	13557	0.232	ug/L	95
52) Ethylbenzene	9.02	91	22458	0.219	ug/L	94
53) m,p-xylene	9.15	106	7973	0.213	ug/L	95
54) o-xylene	9.55	106	7471	0.208	ug/L	89
55) Styrene	9.57	104	11150	0.184	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.25	83	4217	0.270	ug/L #	94
59) Bromoform	9.74	173	1556	0.224	ug/L #	91
60) Isopropylbenzene	9.94	105	20442	0.220	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	3174	0.257	ug/L	91
62) 1,3,5-Trimethylbenzene	10.55	105	16600	0.216	ug/L	100
63) 1,2,4-Trimethylbenzene	10.92	105	15783	0.201	ug/L	97
64) 1,3-Dichlorobenzene	11.19	146	9527	0.233	ug/L	99
65) 1,4-Dichlorobenzene	11.28	146	10545	0.257	ug/L	95
67) 1,2-Dichlorobenzene	11.65	146	9283	0.247	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.45	75	522	0.205	ug/L	88
69) 1,3,5-Trichlorobenzene	12.66	180	6671	0.220	ug/L	97
70) 1,2,4-trichlorobenzene	13.27	180	5369	0.218	ug/L	97
71) Naphthalene	13.52	128	5919	0.159	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.76	180	4296	0.205	ug/L	98

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



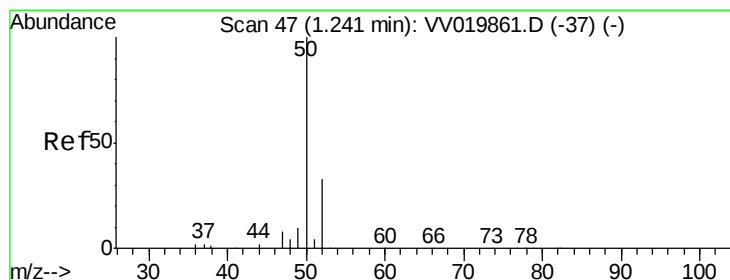
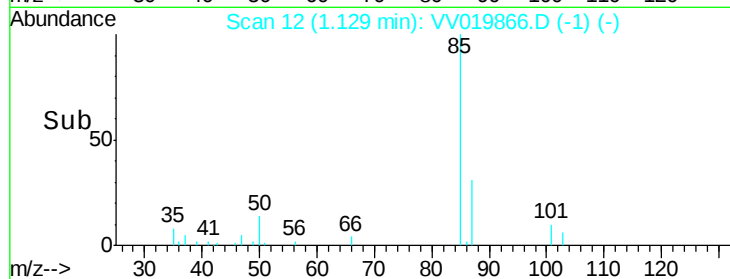
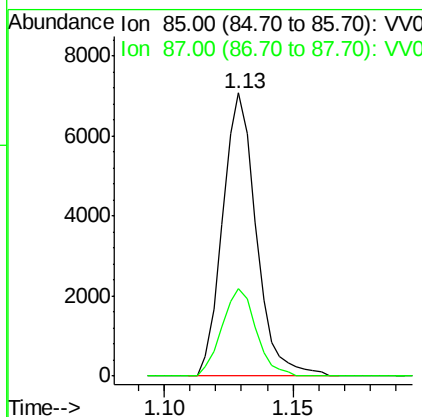
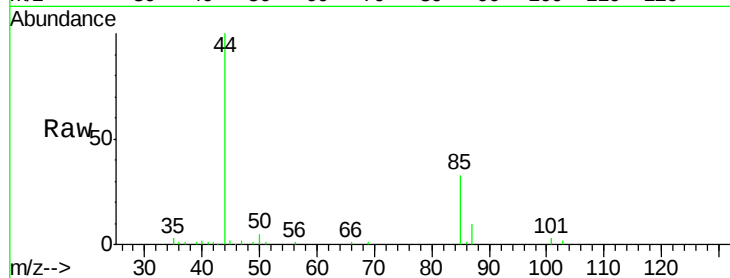
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 Dichlorodifluoromethane
 Concen: 0.234 ug/L
 RT: 1.13 min Scan# 12
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	85	Resp	6416
Ion Ratio	100	Lower	Upper
85	100		
87	31.5	25.6	38.4

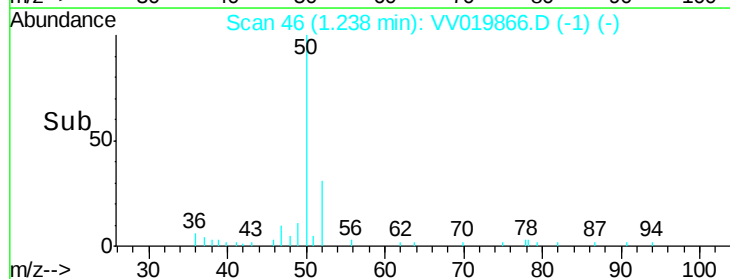
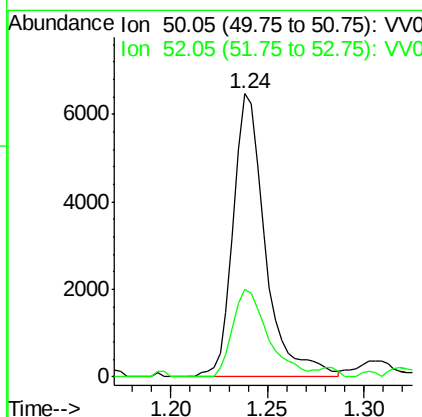
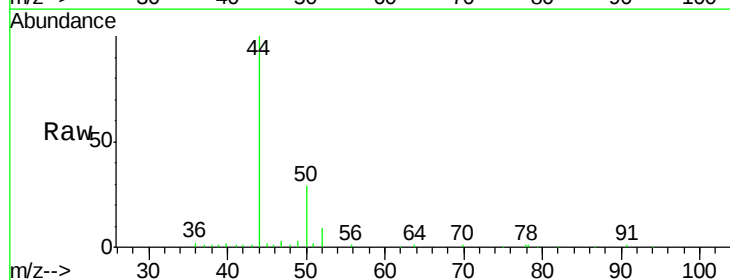
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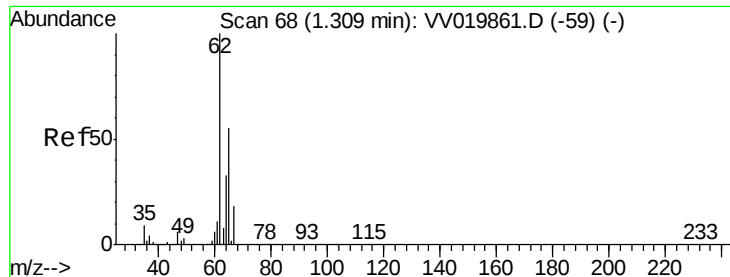
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#3
 Chloromethane
 Concen: 0.246 ug/L
 RT: 1.24 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	50	Resp	7476
Ion Ratio	100	Lower	Upper
50	100		
52	30.8	23.1	42.9





#5

Vinyl chloride

Concen: 0.254 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion: 62 Resp: 7579

Ion Ratio Lower Upper

62 100

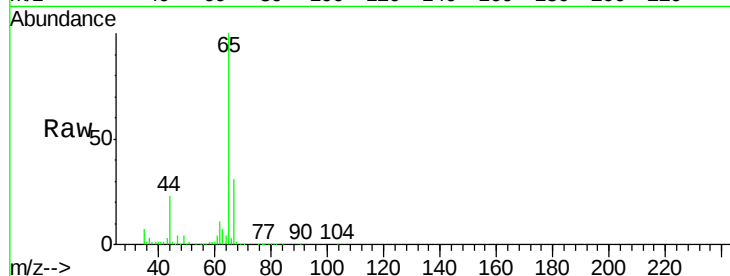
64 40.4 23.2 43.2

Manual Integrations

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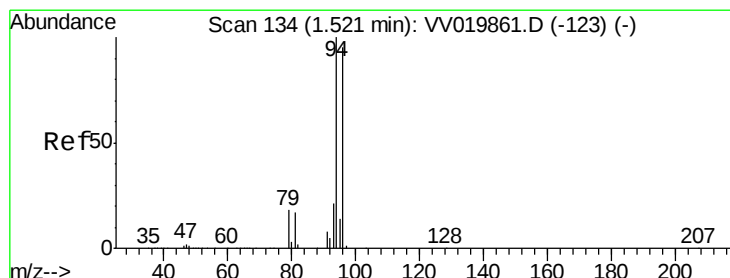
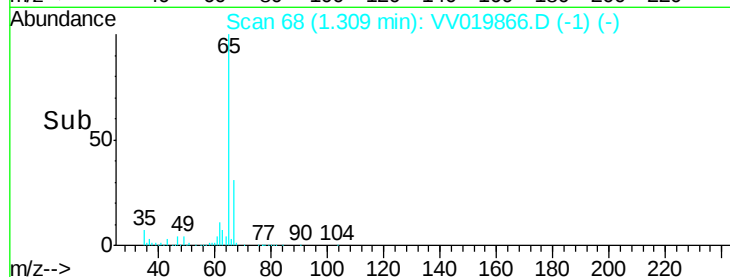
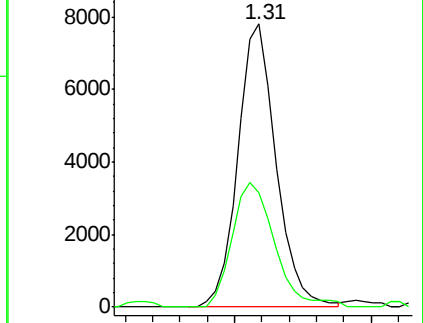
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.259 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV019866.D

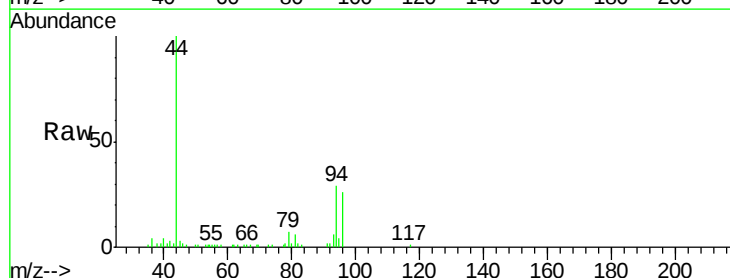
Acq: 29 Dec 2020 16:29

Tgt Ion: 94 Resp: 4512

Ion Ratio Lower Upper

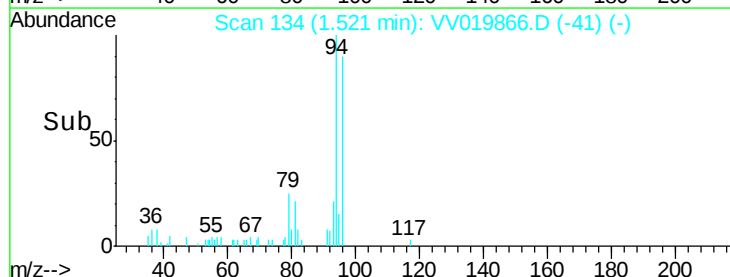
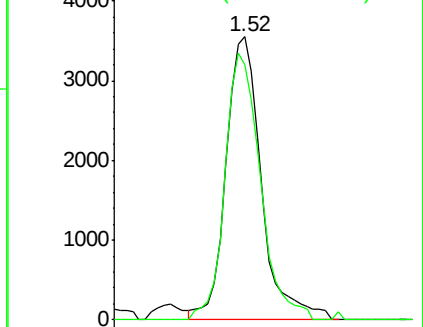
94 100

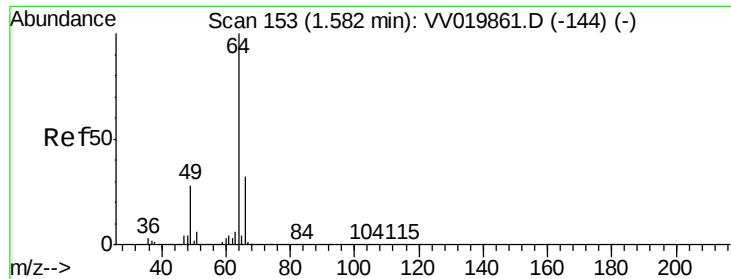
96 90.2 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.238 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion: 64 Resp: 4332

Ion Ratio Lower Upper

64 100

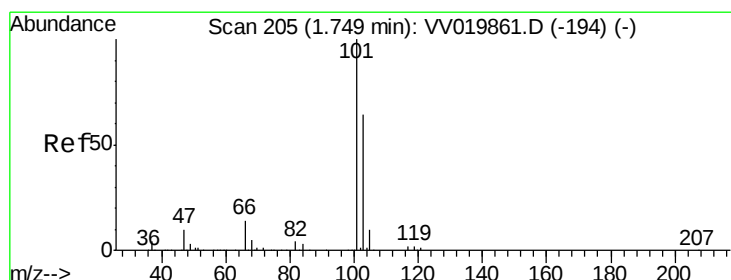
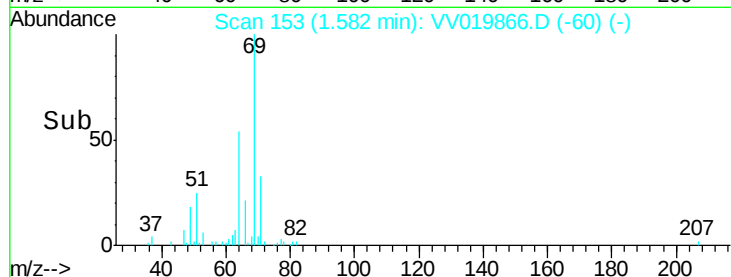
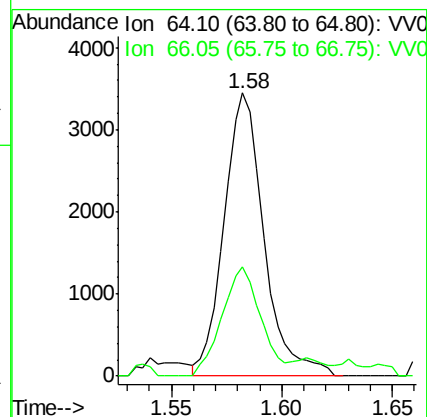
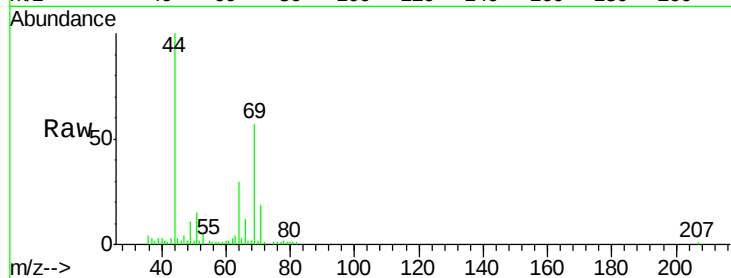
66 38.4 22.0 40.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.225 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019866.D

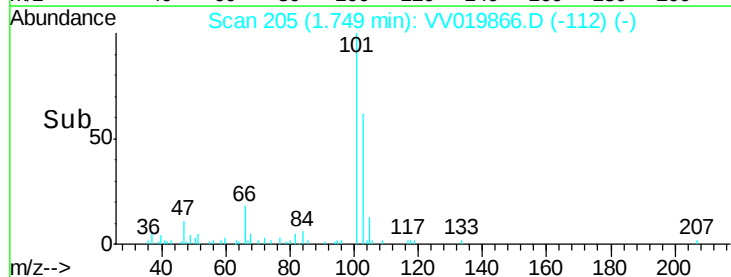
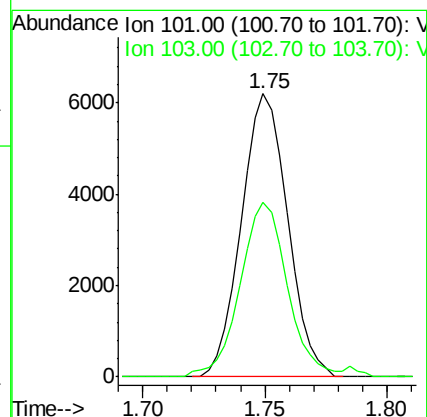
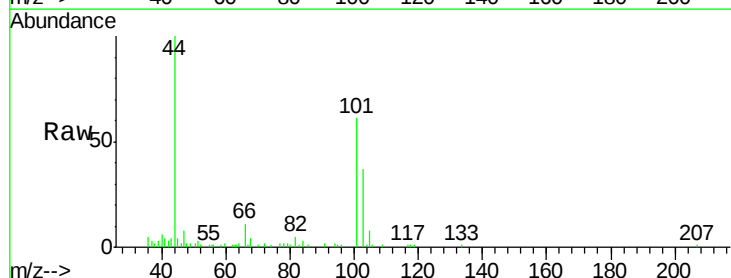
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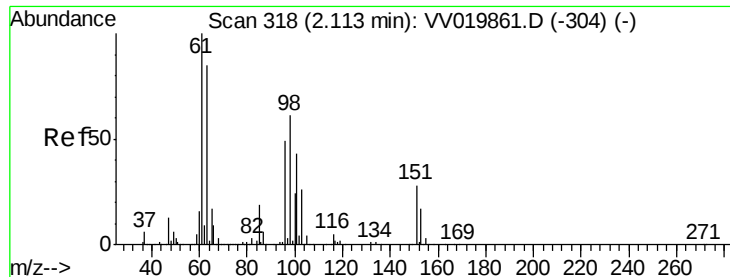
Tgt Ion: 101 Resp: 8155

Ion Ratio Lower Upper

101 100

103 62.5 51.8 77.8





#10

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

Concen: 0.276 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

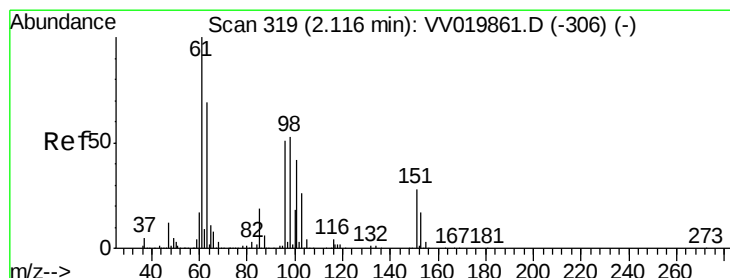
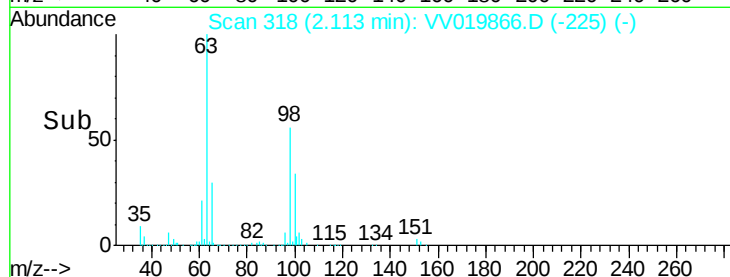
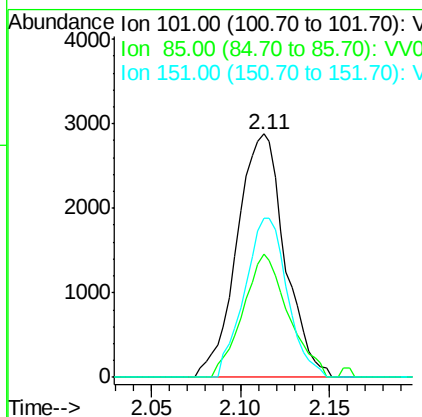
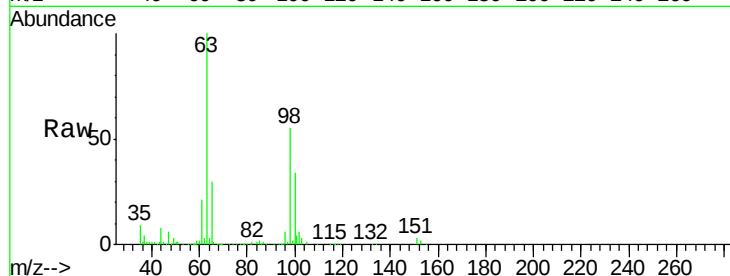
ClientSampleId :

MDL-WATER-01

Tot Ion:	101	Resp:	5379
Ion Ratio	Lower	Upper	
101	100		
85	48.1	36.4	54.6
151	58.5	54.1	81.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.284 ug/L

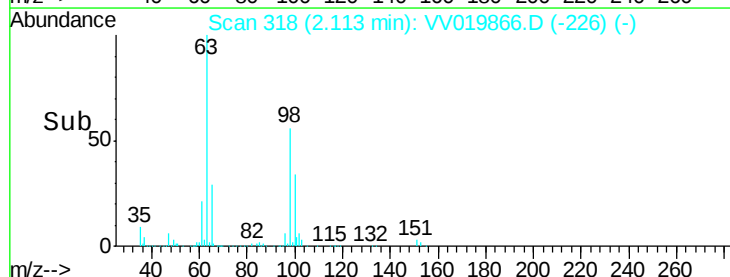
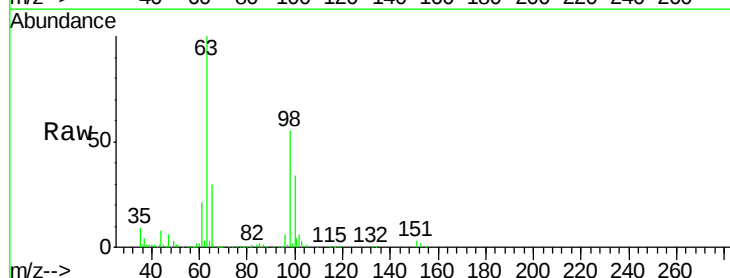
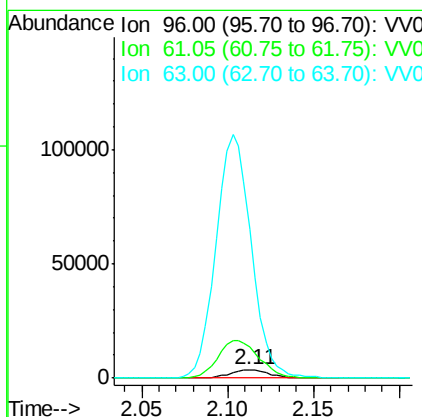
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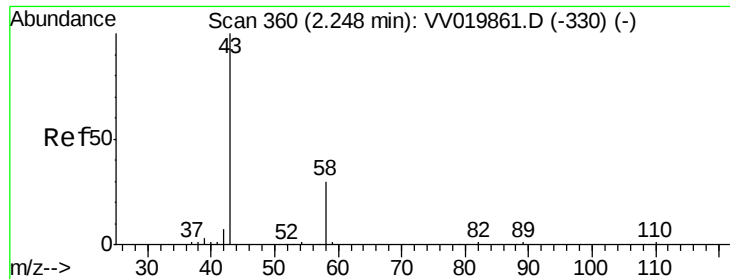
Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tgt Ion:	96	Resp:	5656
Ion Ratio	Lower	Upper	
96	100		
61	377.4	131.5	244.1#
63	1808.0	95.2	176.8#





#13

Acetone

Concen: 2.650 ug/L m

RT: 2.25 min Scan# 360

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tot Ion: 43 Resp: 8658

Ion Ratio Lower Upper

43 100

58 2.9 0.0 31.4

Instrument :

MSVOA_V

ClientSampleId :

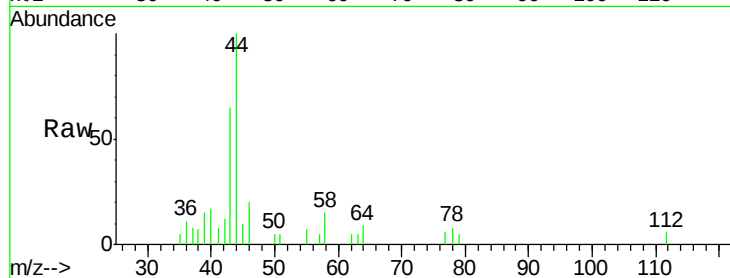
MDL-WATER-01

Manual Integrations

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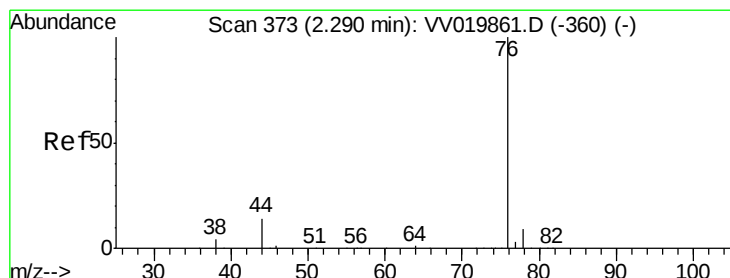
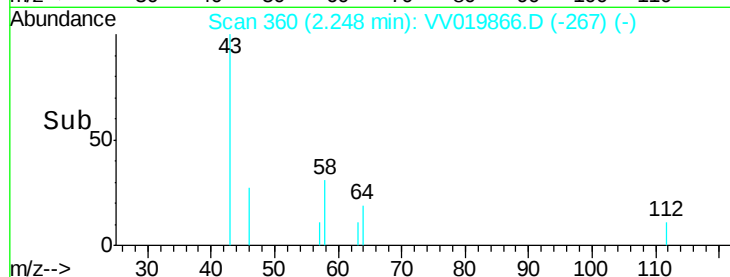
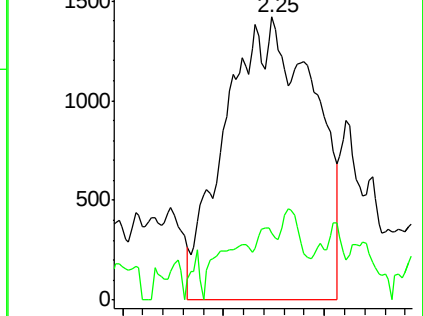
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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.244 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019866.D

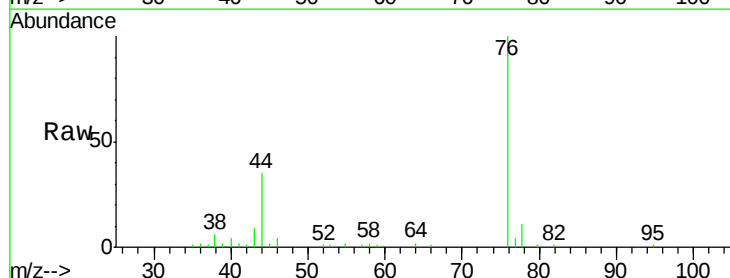
Acq: 29 Dec 2020 16:29

Tgt Ion: 76 Resp: 16775

Ion Ratio Lower Upper

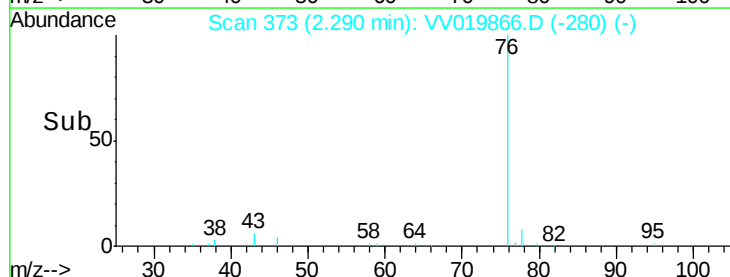
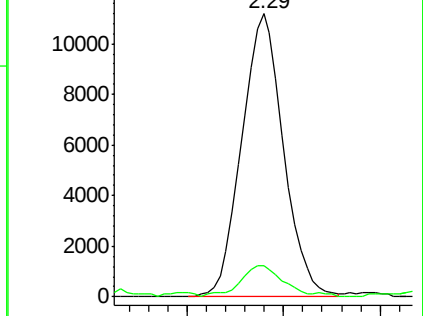
76 100

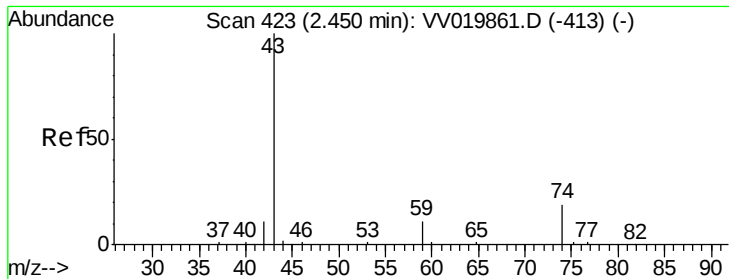
78 10.9 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 0.332 ug/L m

RT: 2.47 min Scan# 428

Delta R.T. 0.02 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion: 43 Resp: 2712

Ion Ratio Lower Upper

43 100

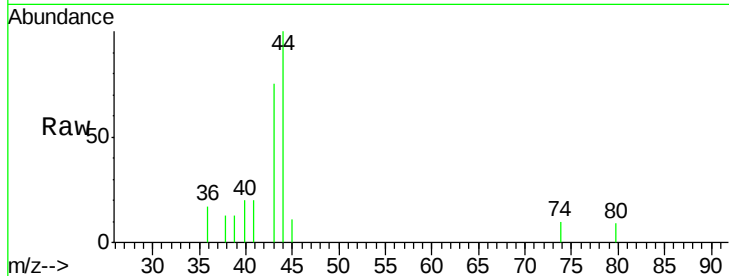
74 6.9 10.6 16.0#

Manual Integrations

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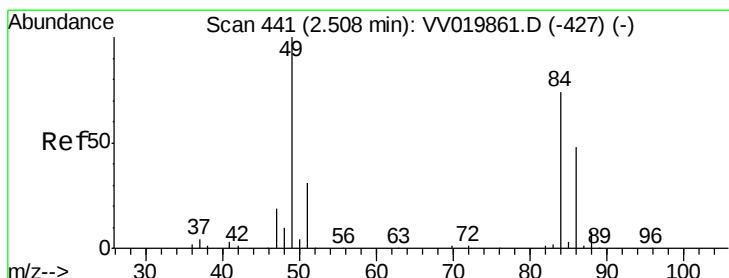
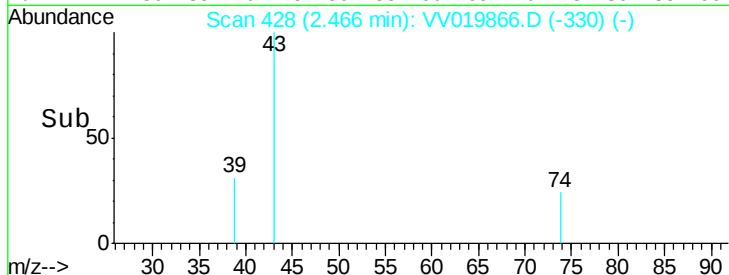
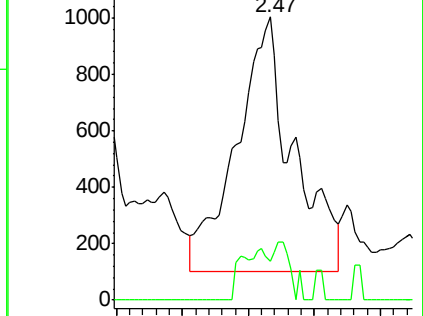
MMDadoda

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.321 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

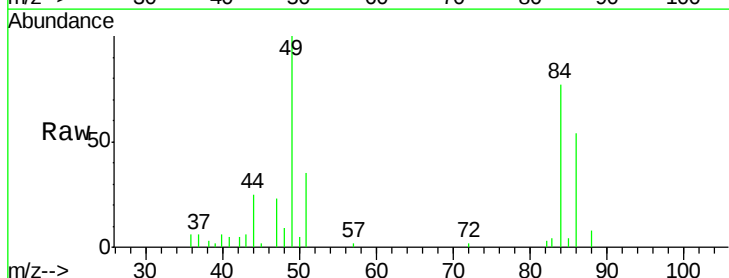
Tgt Ion: 84 Resp: 7769

Ion Ratio Lower Upper

84 100

86 71.1 42.8 79.4

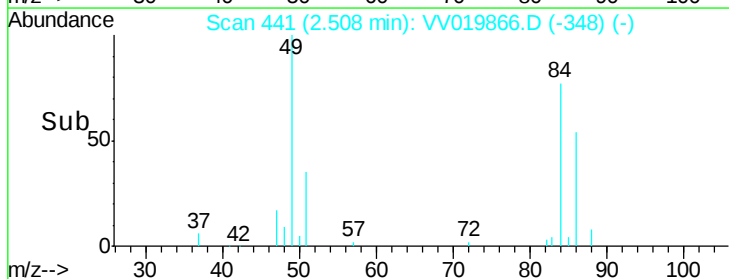
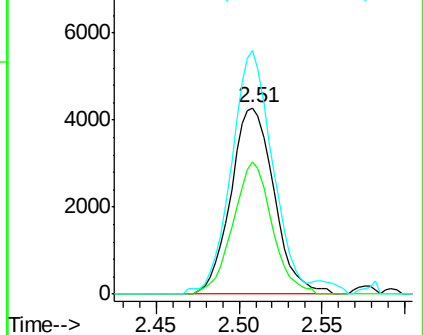
49 130.7 93.9 174.3

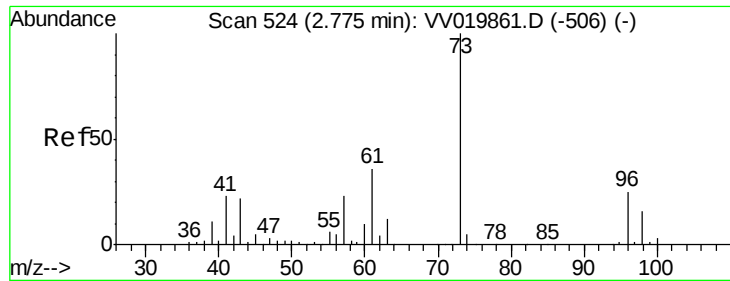


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





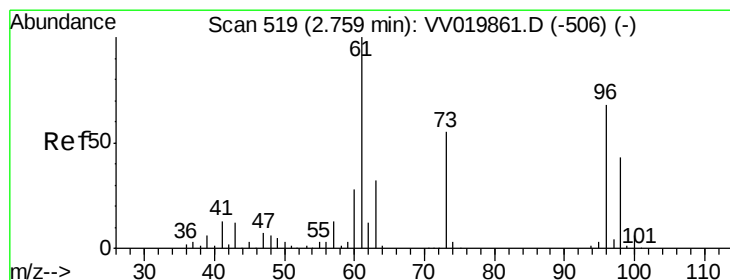
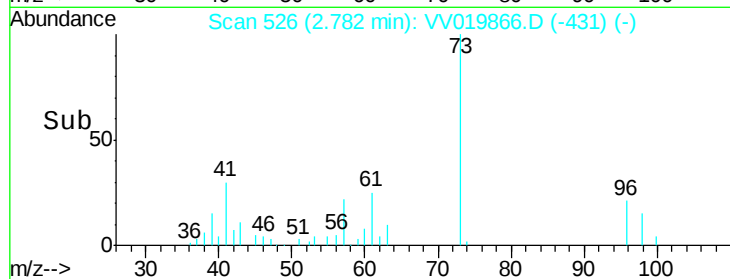
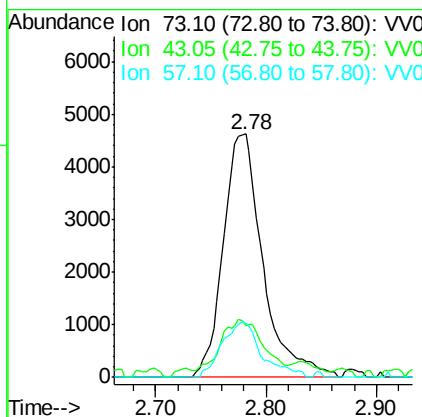
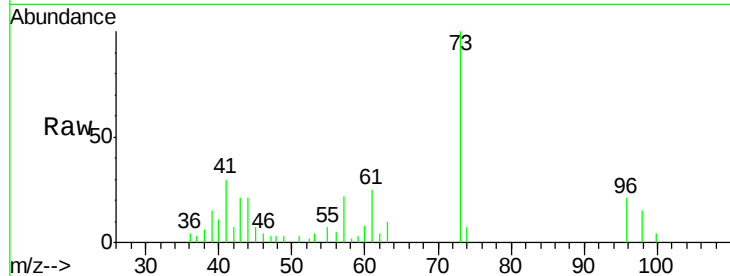
#17
Methvl tert-butvl Ether
Concen: 0.232 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.9	17.0	25.6
57	22.8	18.2	27.4

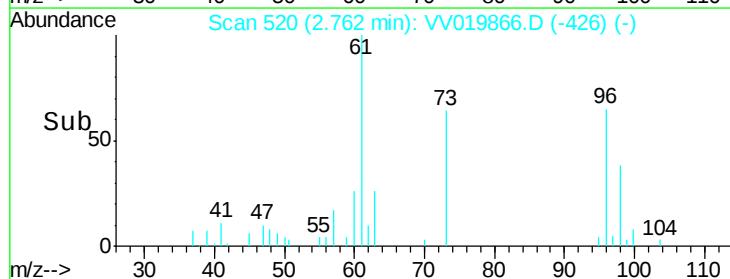
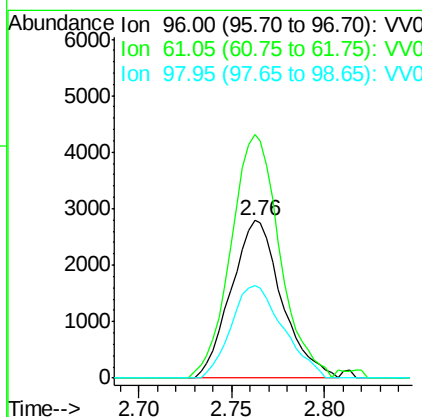
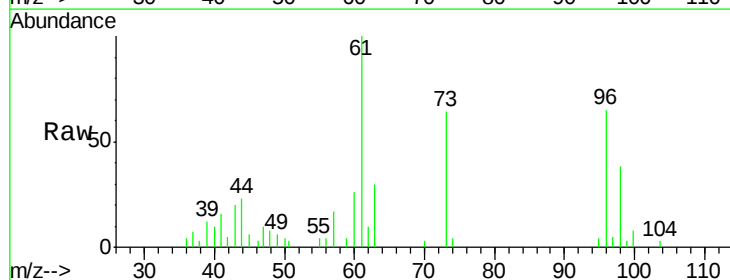
Manual Integrations
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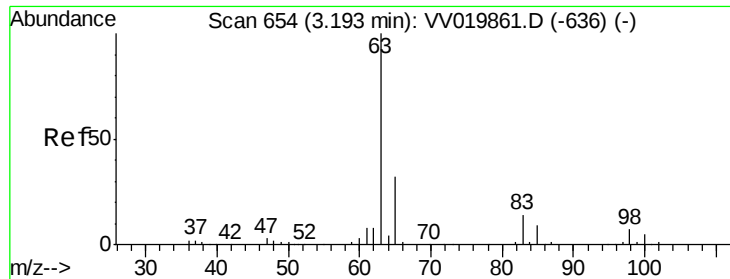
MMDadoda
12/30/2020 6:35:34 PM



#18
trans-1,2-Dichloroethene
Concen: 0.235 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	106.3	197.3
98	59.1	44.7	82.9





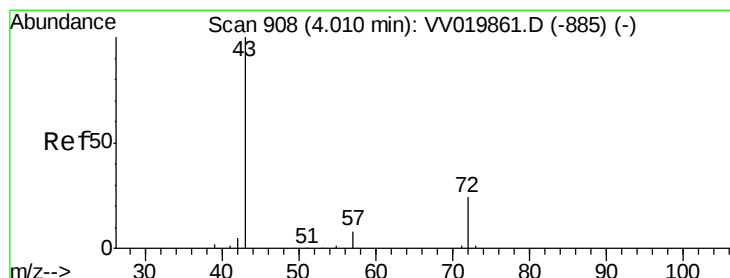
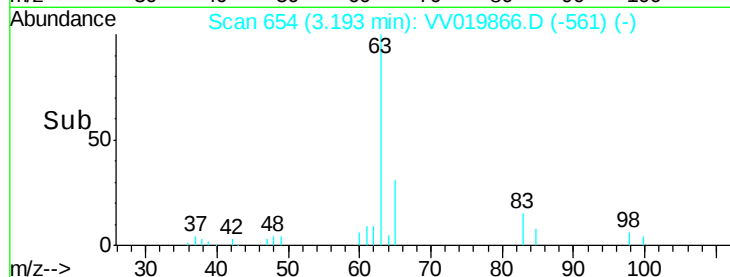
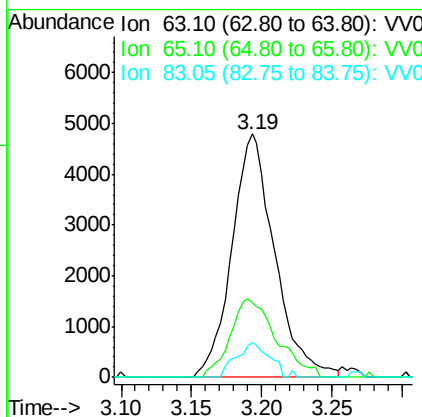
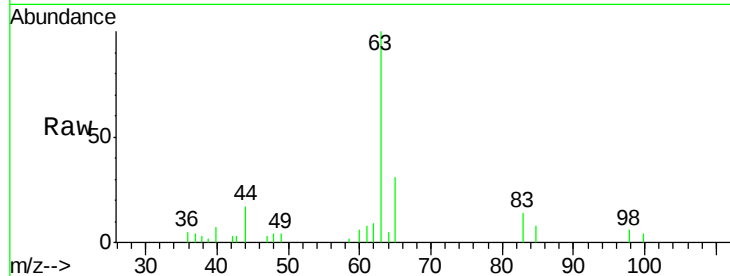
#19
 1,1-Dichloroethane
 Concen: 0.234 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.8	40.6
83	14.3	9.0	16.8

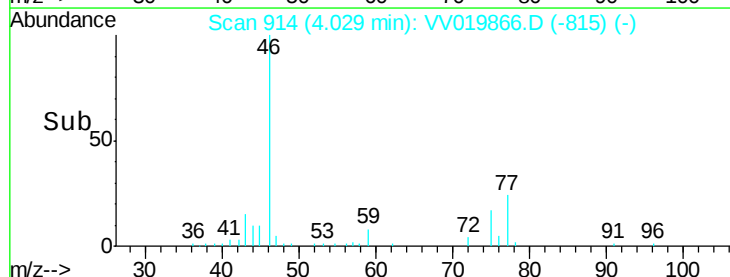
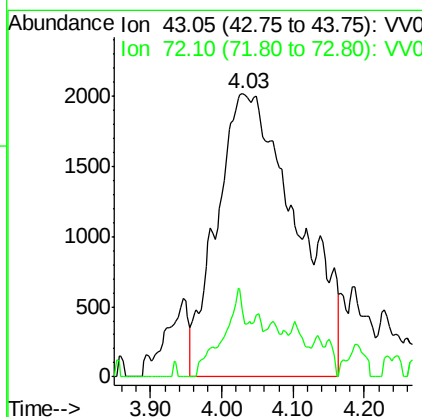
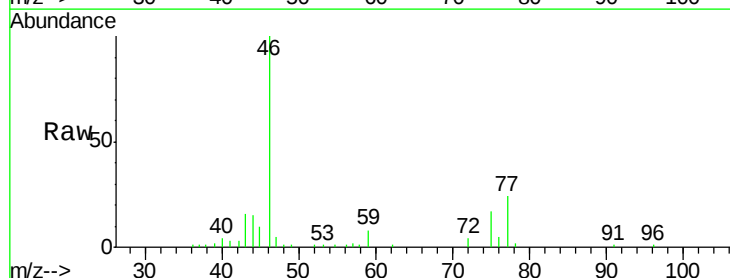
Manual Integrations
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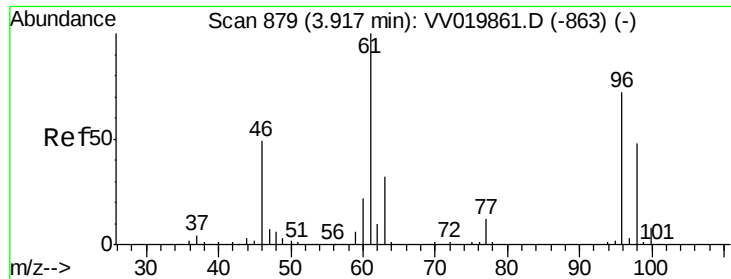
MMDadoda
 12/30/2020 6:35:34 PM



#21
 2-Butanone
 Concen: 2.860 ug/L m
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	8.5	10.9	32.7#





#22

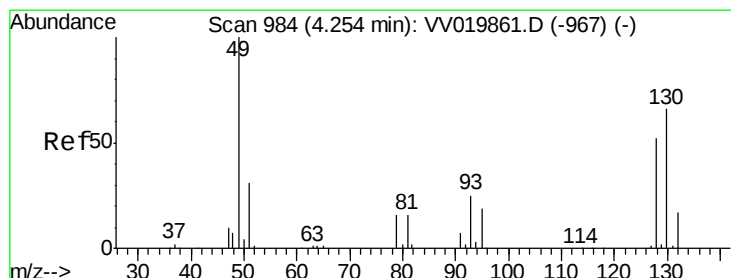
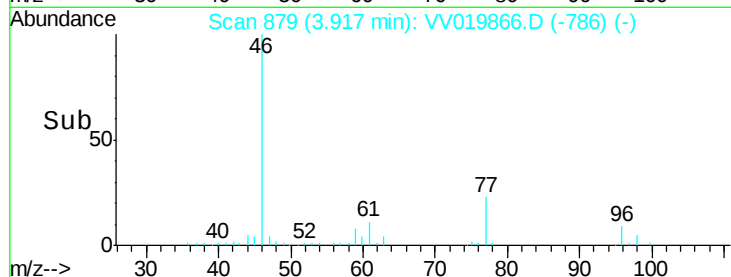
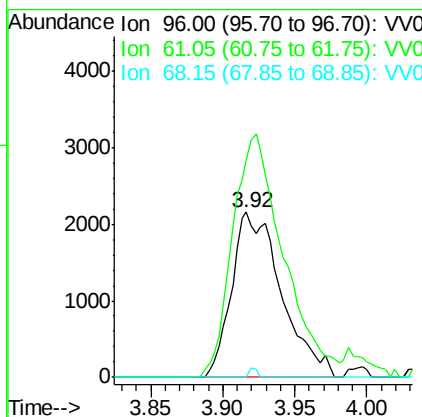
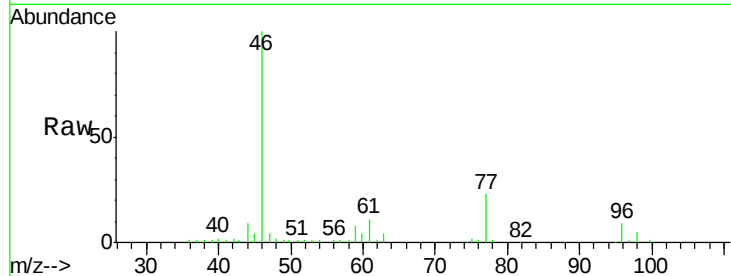
cis-1,2-Dichloroethene
 Concen: 0.221 ug/L m
 RT: 3.92 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	98.1	182.3
68	0.0	0.0	0.0

Manual Integrations
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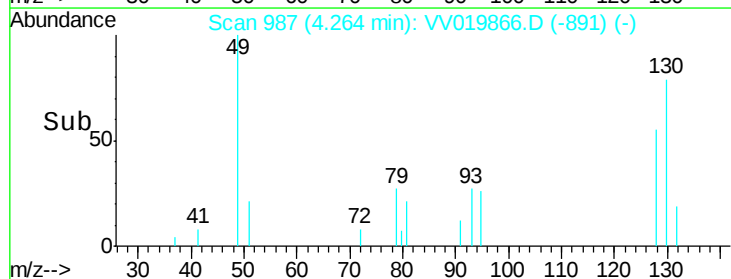
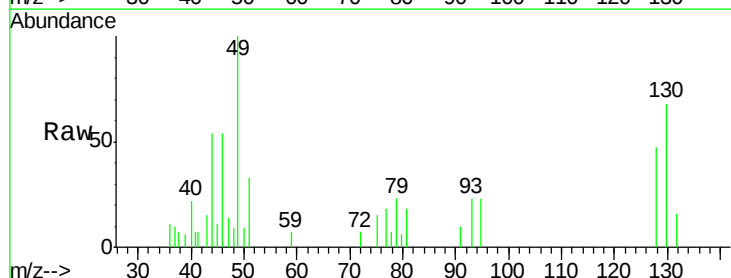
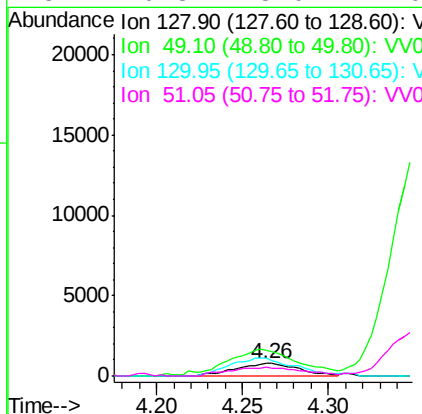
MMDadoda
 12/30/2020 6:35:34 PM

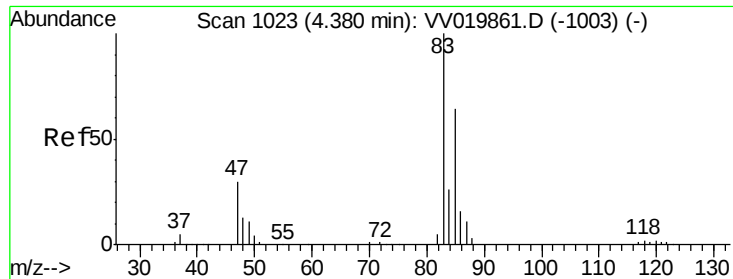


#23

Bromochloromethane
 Concen: 0.215 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
128	100		
49	212.6	132.6	246.2
130	144.1	86.4	160.4
51	70.3	48.0	72.0





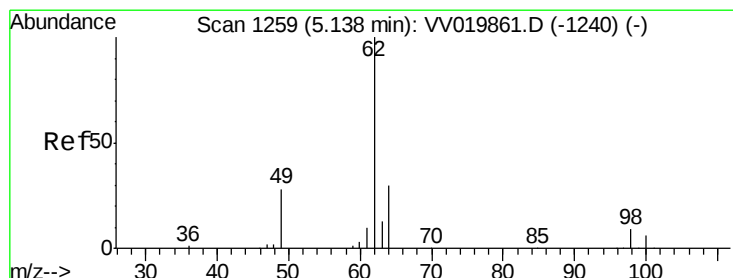
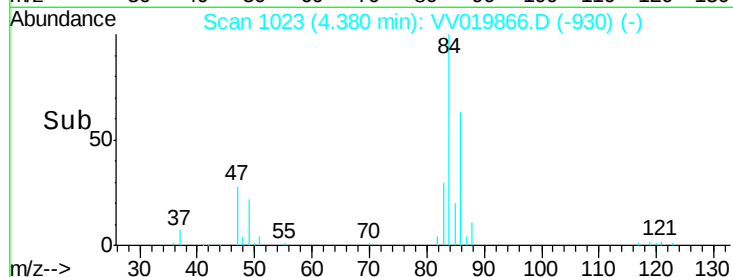
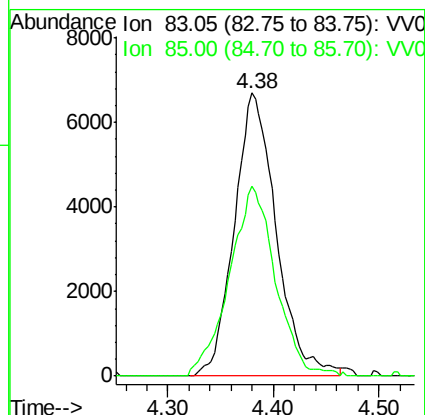
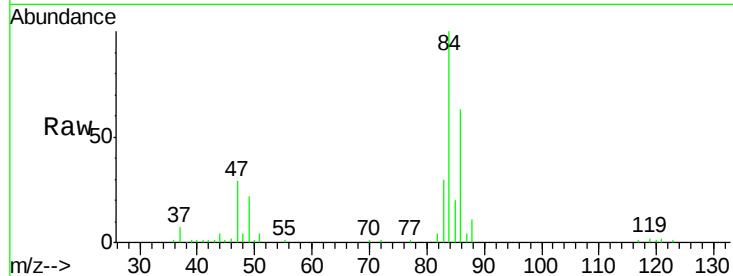
#25
Chloroform
Concen: 0.428 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion: 83 Resp: 18530
Ion Ratio Lower Upper
83 100
85 66.9 46.4 86.2

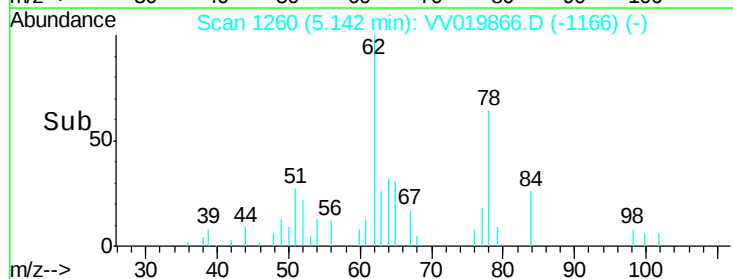
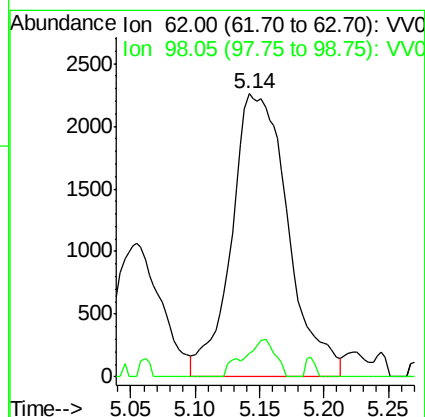
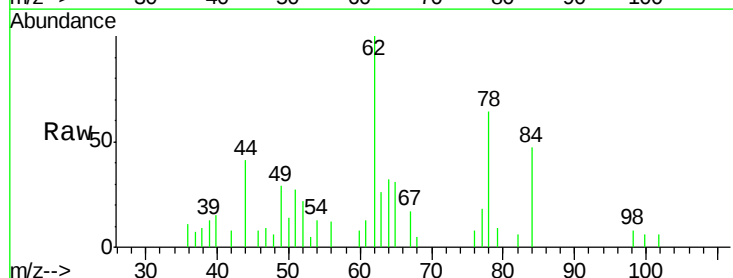
Manual Integrations
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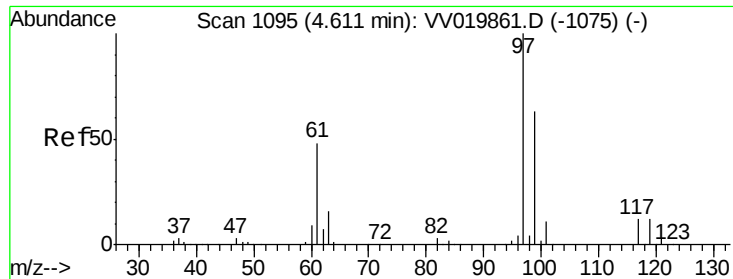
MMDadoda
12/30/2020 6:35:34 PM



#27
1,2-Dichloroethane
Concen: 0.261 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion: 62 Resp: 6882
Ion Ratio Lower Upper
62 100
98 8.2 7.6 11.4





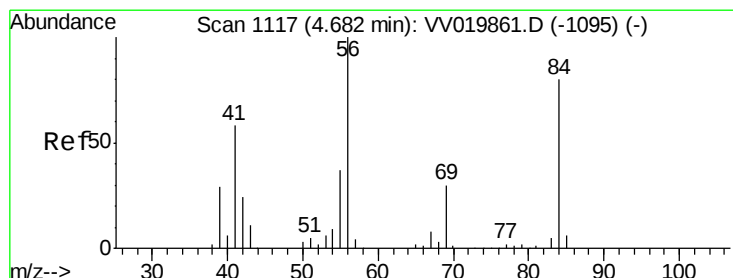
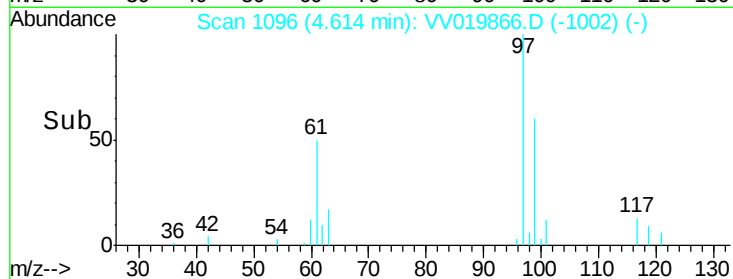
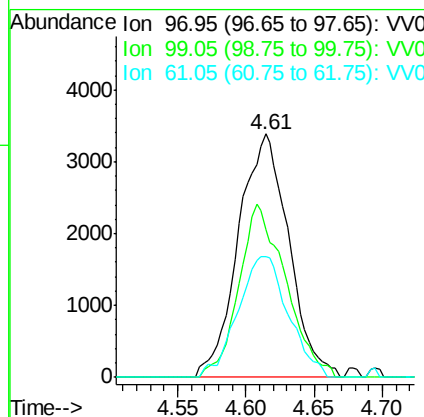
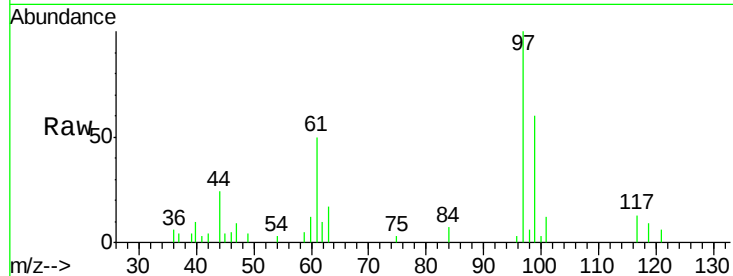
#29
1,1,1-Trichloroethane
Concen: 0.234 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.1	76.7
61	49.7	38.6	57.8

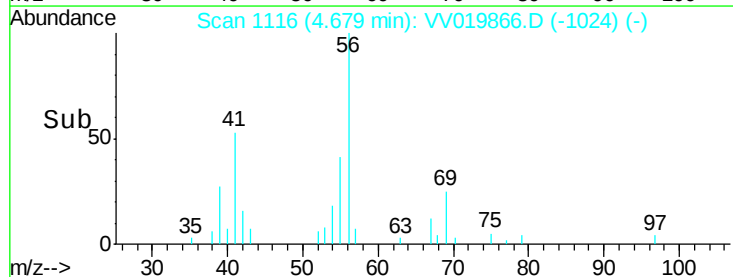
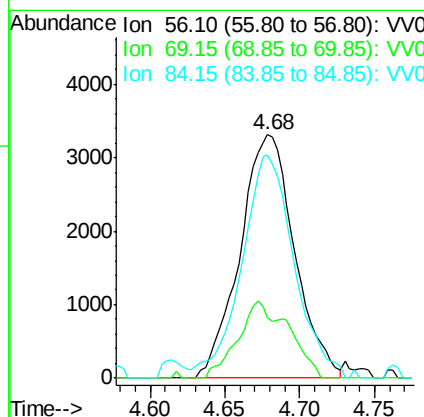
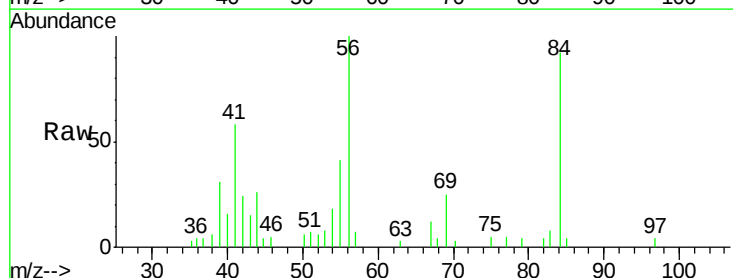
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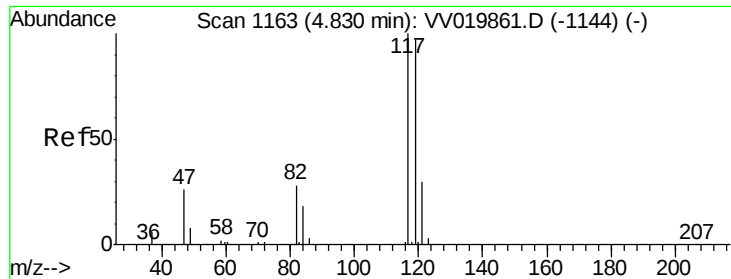
MMDadoda
12/30/2020 6:35:34 PM



#30
Cyclohexane
Concen: 0.225 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	18.8	24.1	36.1#
84	87.8	66.8	100.2





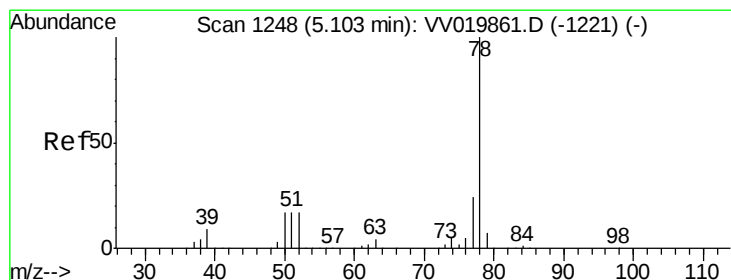
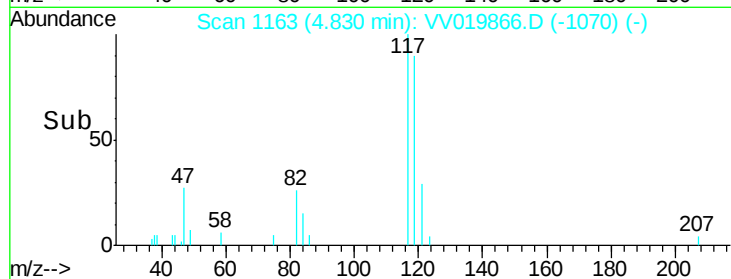
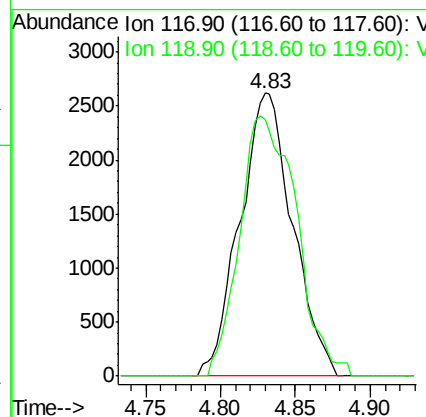
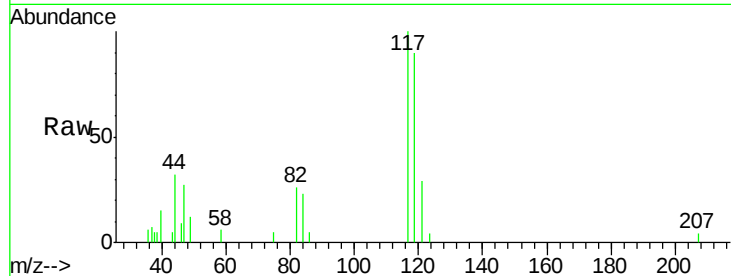
#31
Carbon tetrachloride
Concen: 0.211 ug/L
RT: 4.83 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion:117 Resp: 6406
Ion Ratio Lower Upper
117 100
119 99.2 76.0 114.0

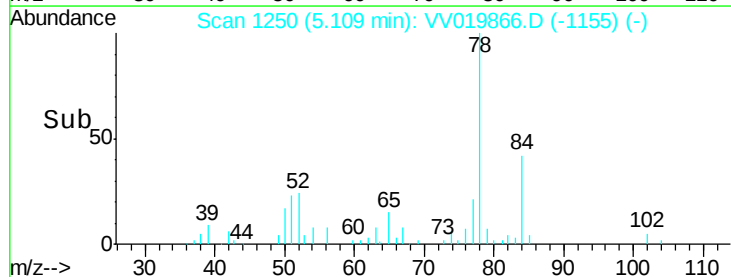
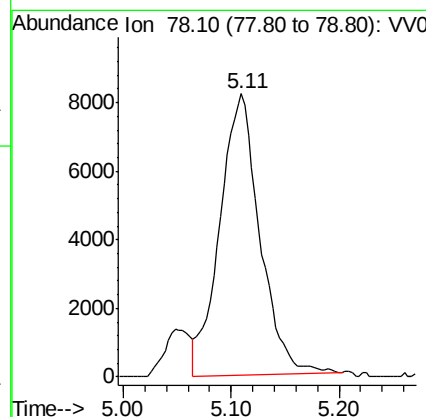
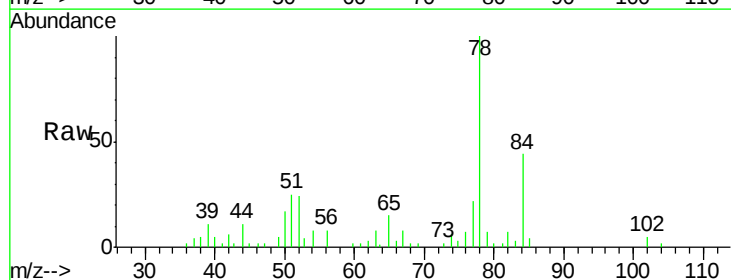
Manual Integrations
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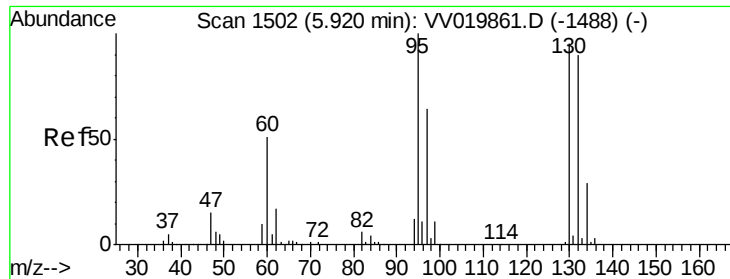
MMDadoda
12/30/2020 6:35:34 PM



#33
Benzene
Concen: 0.232 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion: 78 Resp: 21178





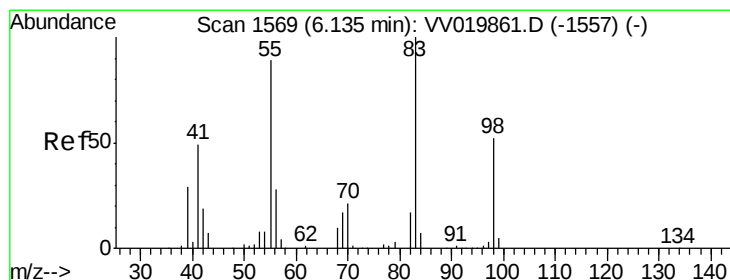
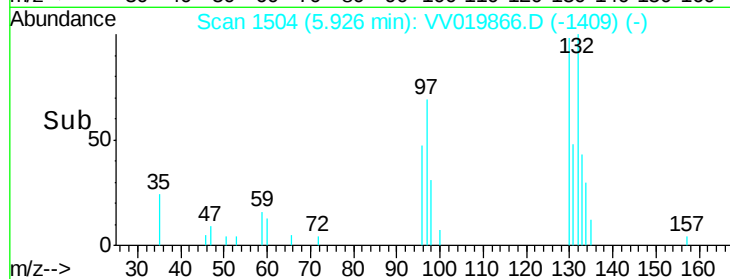
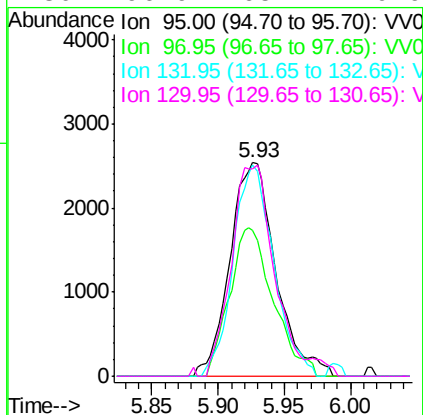
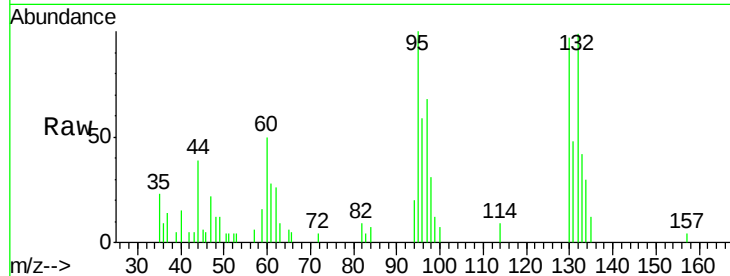
#34
 Trichloroethene
 Concen: 0.252 ug/L
 RT: 5.93 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	95	Resp:	6126
Ion	Ratio	Lower	Upper
95	100		
97	68.3	44.1	81.9
132	99.0	61.2	113.8
130	96.9	65.1	120.9

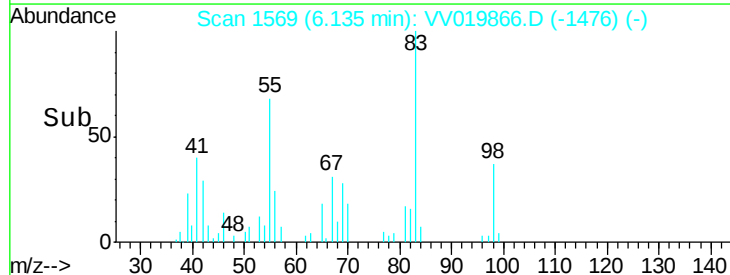
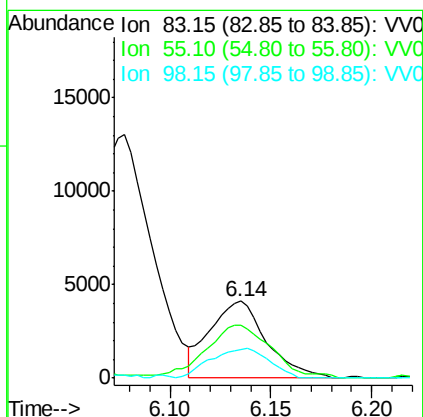
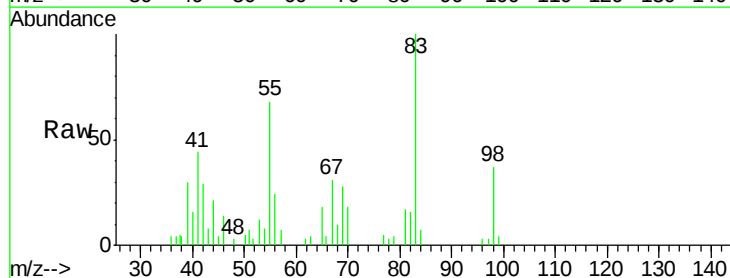
Manual Integrations
 APPROVED

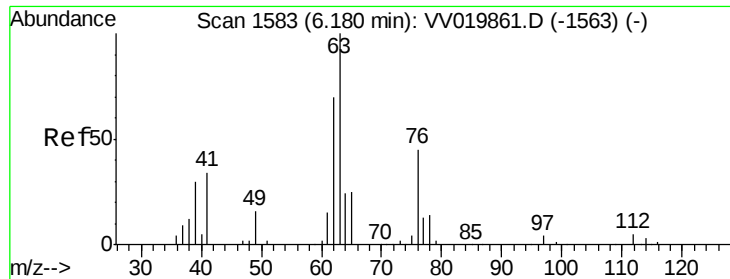
MMDadoda
 12/30/2020 6:35:34 PM



#35
 Methylcyclohexane
 Concen: 0.222 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	83	Resp:	8067
Ion	Ratio	Lower	Upper
83	100		
55	79.4	67.5	101.3
98	39.6	38.6	58.0





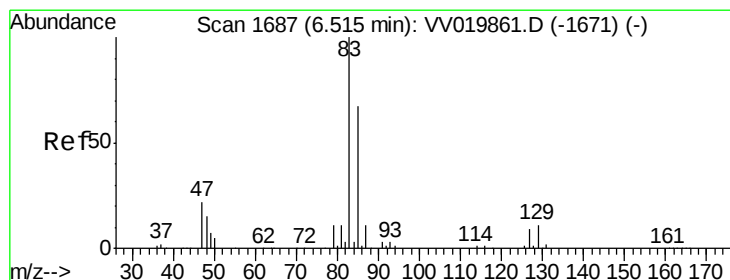
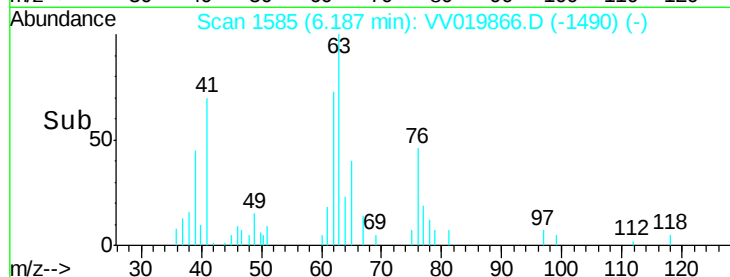
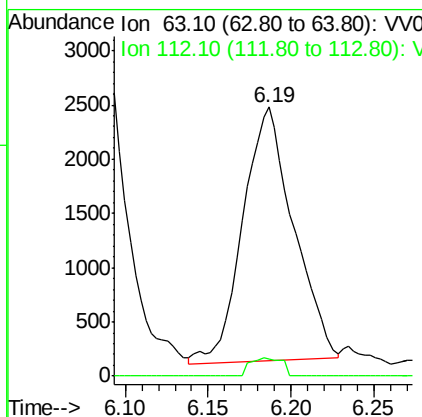
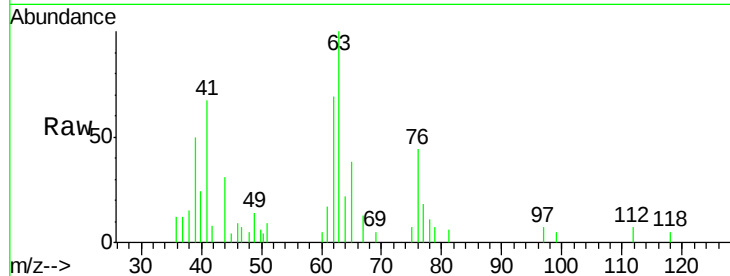
#37
 1,2-Dichloropropane
 Concen: 0.218 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion: 63 Resp: 4981
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4

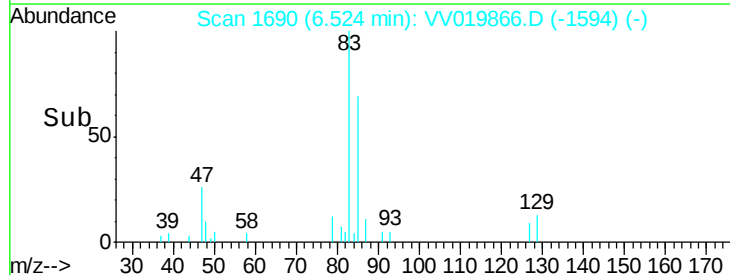
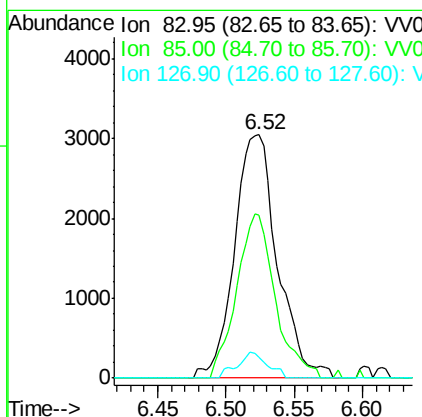
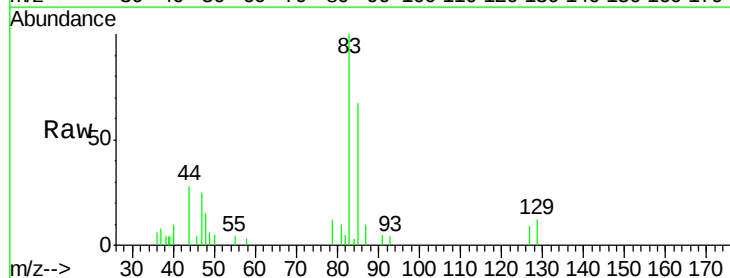
Manual Integrations
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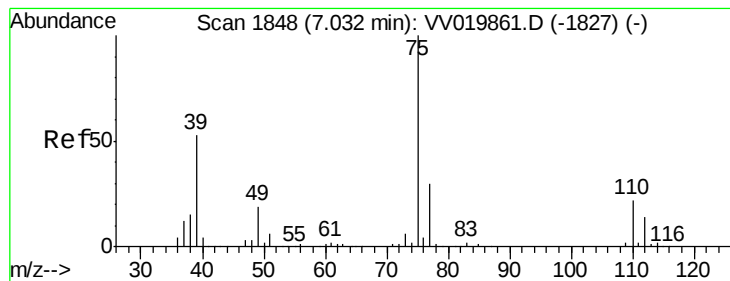
MMDadoda
 12/30/2020 6:35:34 PM



#38
 Bromodichloromethane
 Concen: 0.237 ug/L
 RT: 6.52 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion: 83 Resp: 6667
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.9 85.3
 127 8.6 6.2 9.2





#39

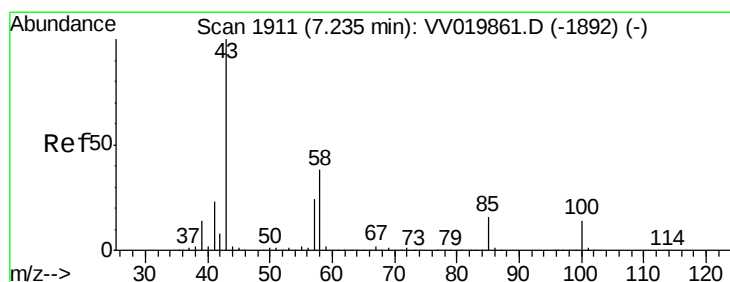
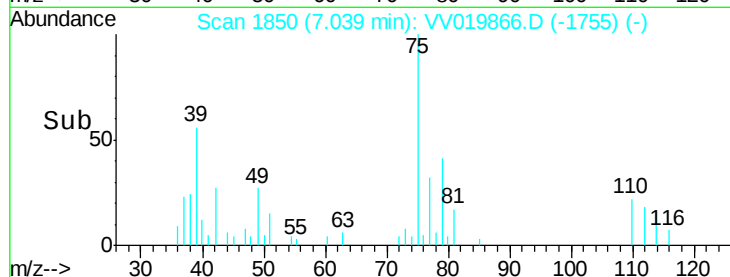
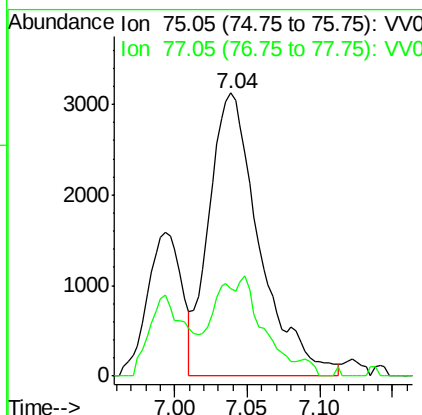
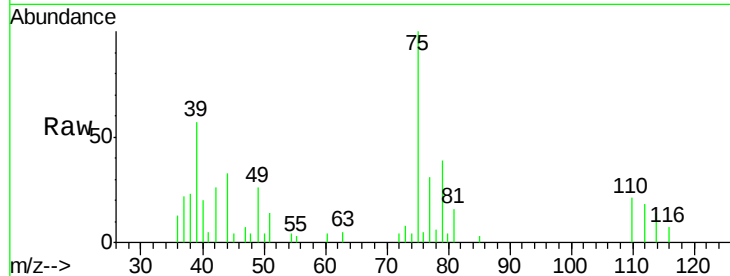
cis-1,3-Dichloropropene
Concen: 0.242 ug/L
RT: 7.04 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion: 75 Resp: 7579
Ion Ratio Lower Upper
75 100
77 30.7 21.0 39.0

Manual Integrations
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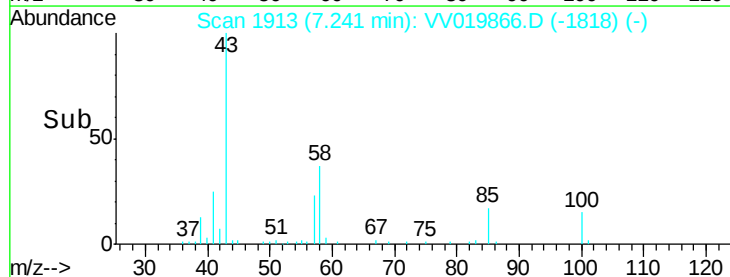
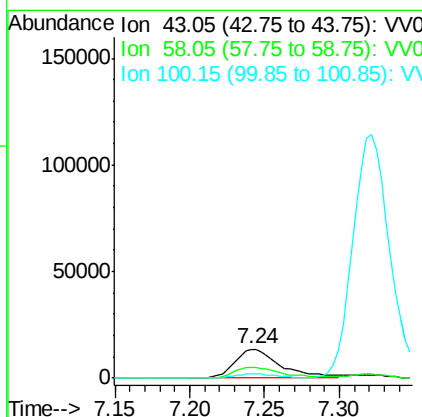
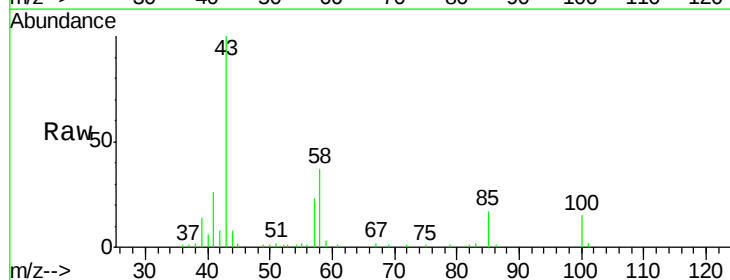
MMDadoda
12/30/2020 6:35:34 PM

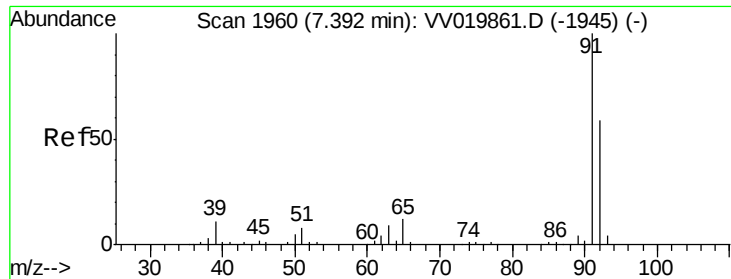


#40

4-Methyl-2-pentanone
Concen: 2.240 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion: 43 Resp: 28905
Ion Ratio Lower Upper
43 100
58 38.3 30.0 45.0
100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.221 ug/L

RT: 7.40 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion: 91 Resp: 20465

Ion Ratio Lower Upper

91 100

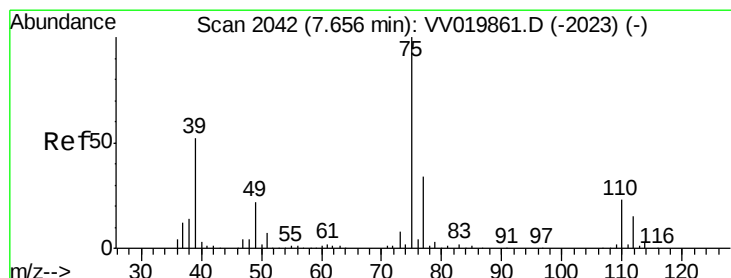
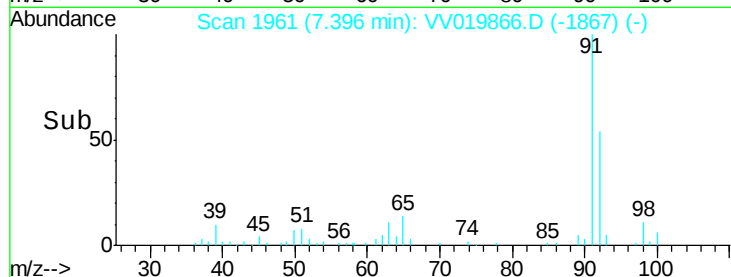
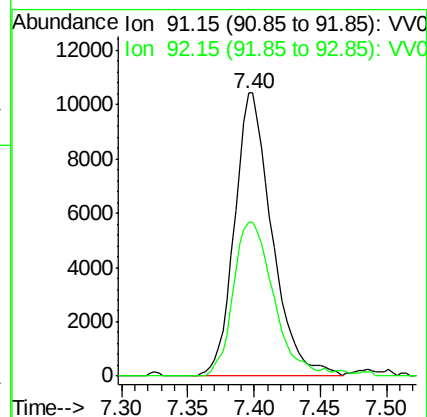
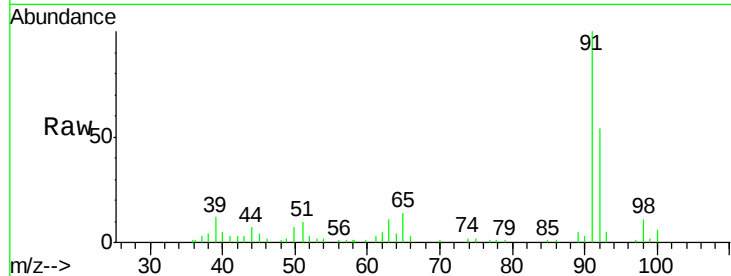
92 54.3 40.9 76.0

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 0.277 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. 0.01 min

Lab File: VV019866.D

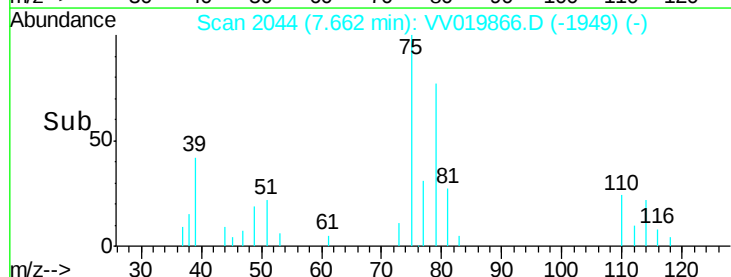
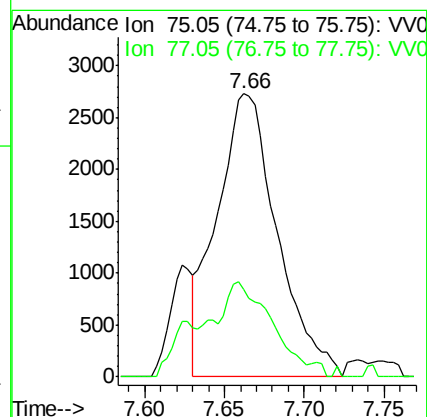
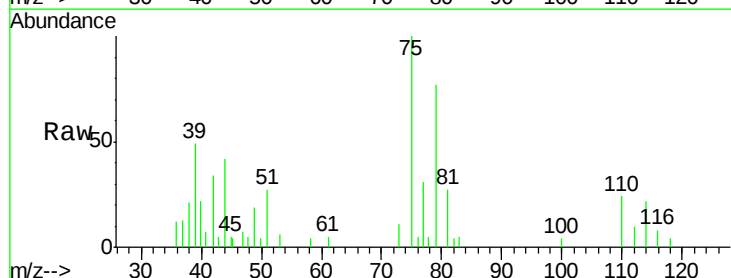
Acq: 29 Dec 2020 16:29

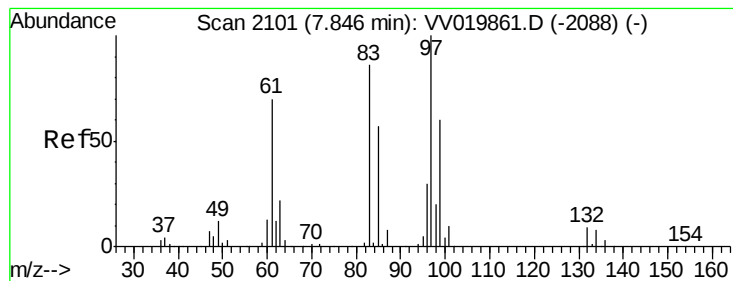
Tgt Ion: 75 Resp: 7113

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 0.242 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.01 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion: 97 Resp: 3577

Ion Ratio Lower Upper

97 100

99 63.2 42.4 78.8

83 76.0 59.4 110.4

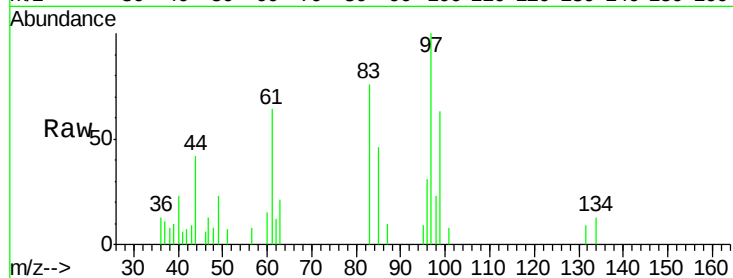
85 46.3 39.5 73.3

Manual Integrations

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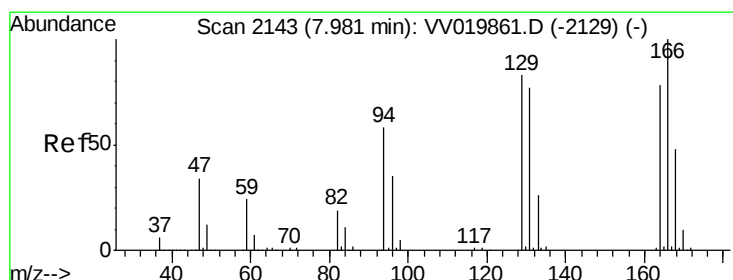
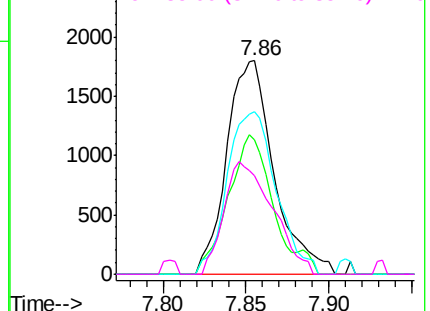
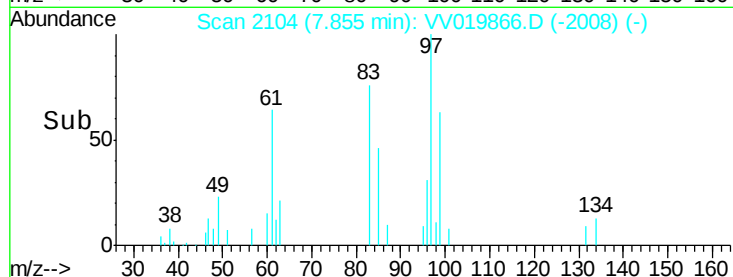


Abundance Ion 96.95 (96.65 to 97.65): VV019866.D (-2050) (-)

Ion 99.05 (98.75 to 99.75): VV019866.D (-2050) (-)

Ion 82.95 (82.65 to 83.65): VV019866.D (-2050) (-)

Ion 85.00 (84.70 to 85.70): VV019866.D (-2050) (-)



#47

Tetrachloroethene

Concen: 0.233 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tgt Ion: 164 Resp: 3849

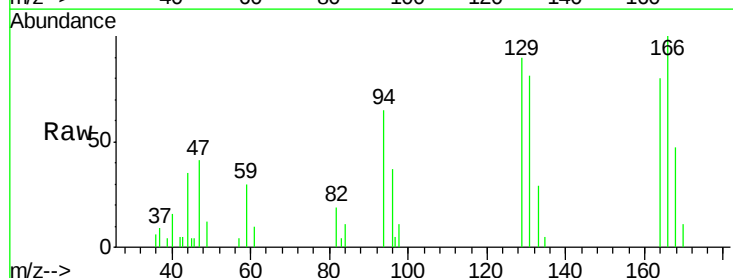
Ion Ratio Lower Upper

164 100

129 113.1 72.1 133.9

131 101.1 68.9 127.9

166 125.2 88.5 164.4

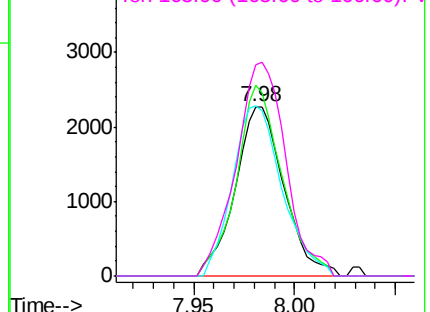
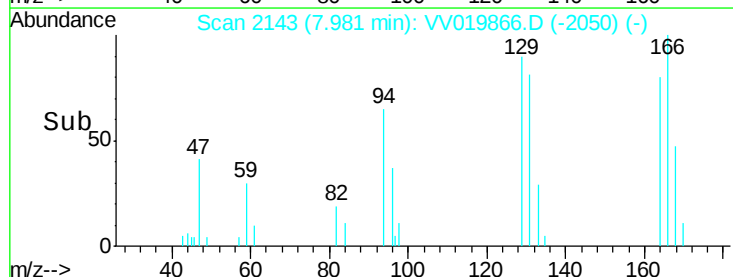


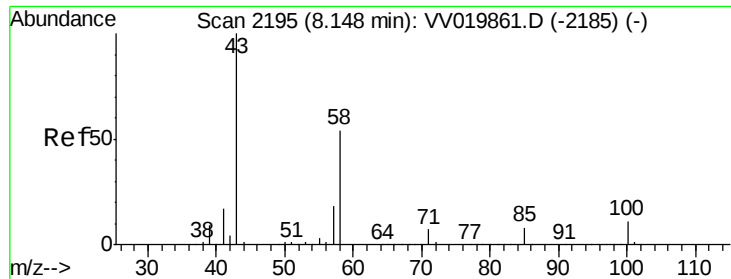
Abundance Ion 163.90 (163.60 to 164.60): VV019866.D (-2050) (-)

Ion 128.95 (128.65 to 129.65): VV019866.D (-2050) (-)

Ion 130.95 (130.65 to 131.65): VV019866.D (-2050) (-)

Ion 165.90 (165.60 to 166.60): VV019866.D (-2050) (-)





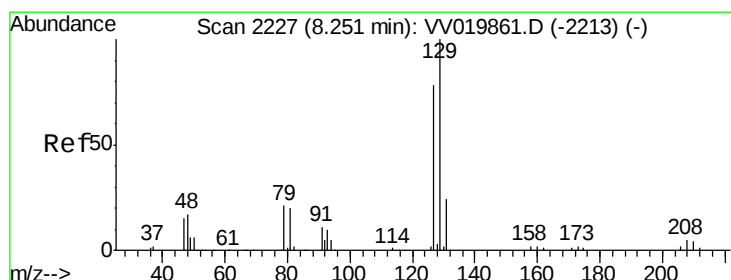
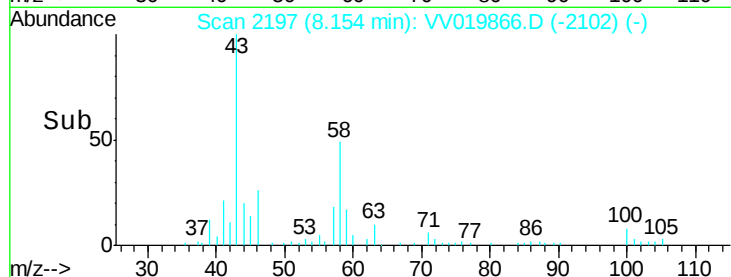
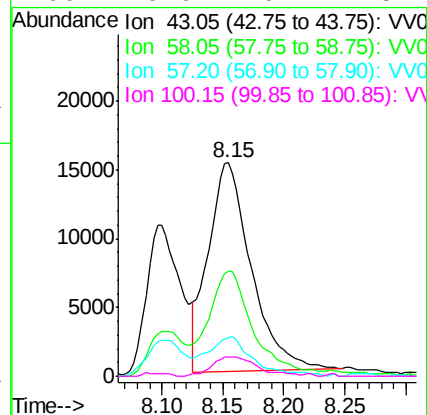
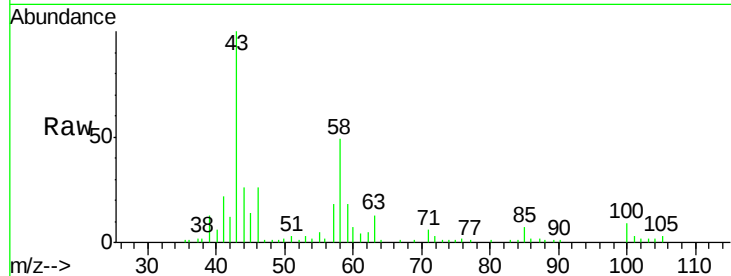
#48
2-Hexanone
Concen: 4.173 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion:	43	Resp:	37314
Ion	Ratio	Lower	Upper
43	100		
58	48.7	42.4	63.6
57	16.5	14.8	22.2
100	9.9	9.1	13.7

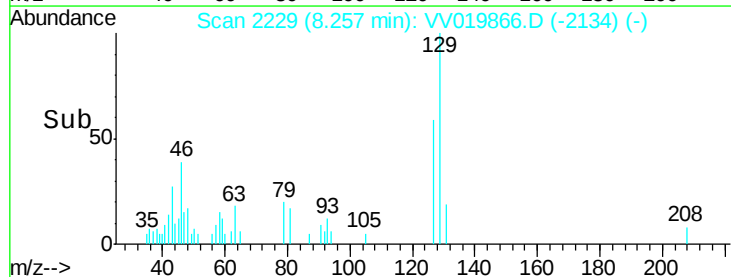
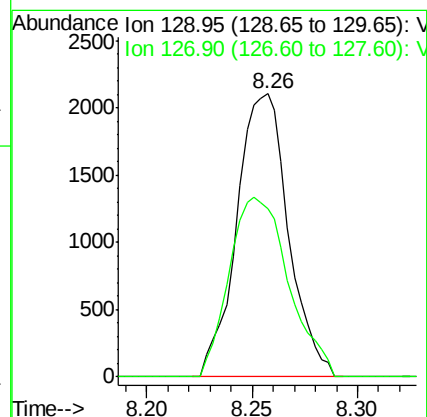
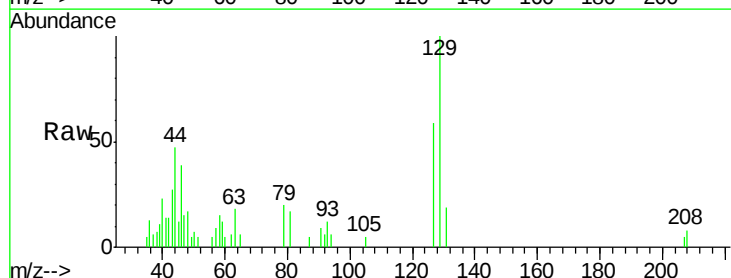
Manual Integrations
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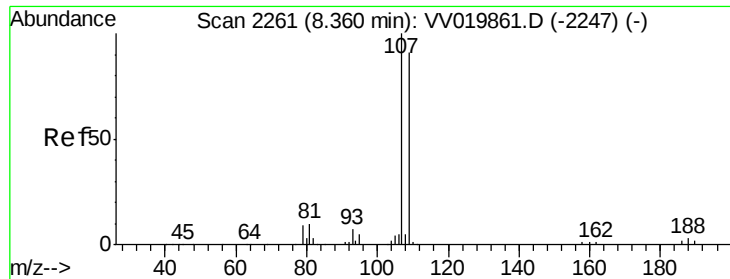
MMDadoda
12/30/2020 6:35:34 PM



#49
Dibromochloromethane
Concen: 0.224 ug/L
RT: 8.26 min Scan# 2229
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion:	129	Resp:	3577
Ion	Ratio	Lower	Upper
129	100		
127	59.3	55.0	102.2





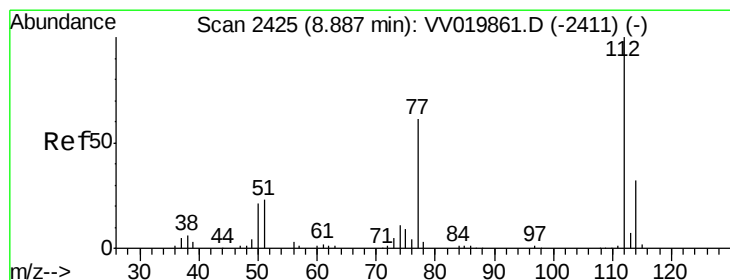
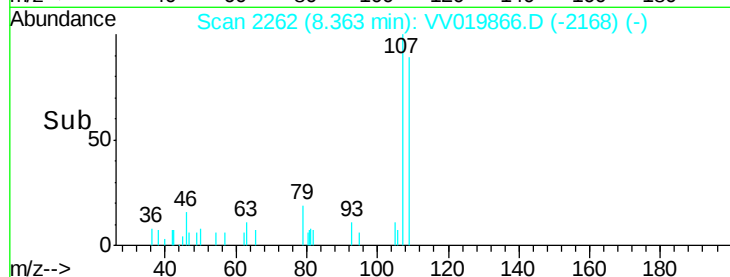
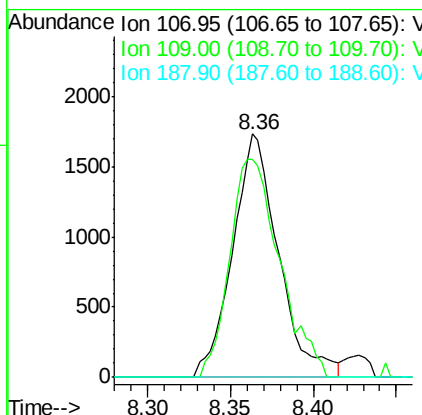
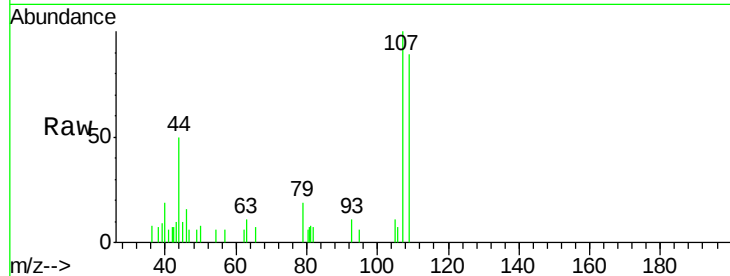
#50
1,2-Dibromoethane
Concen: 0.249 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.4	63.8	118.4
188	0.0	2.5	3.7#

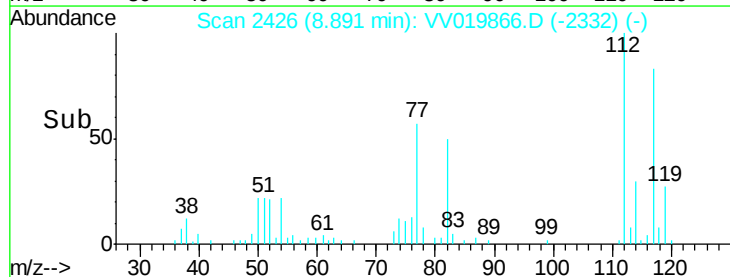
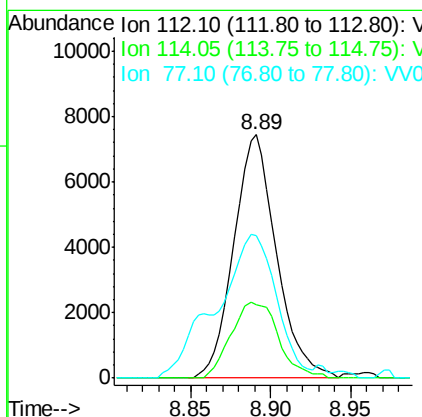
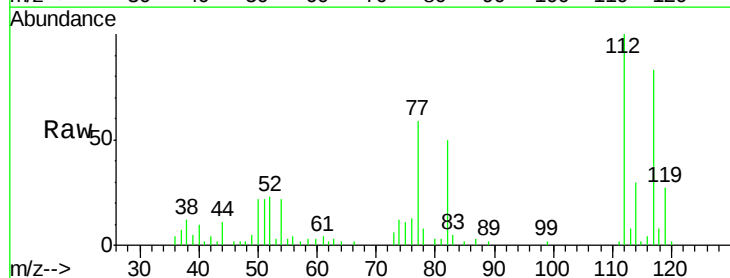
Manual Integrations
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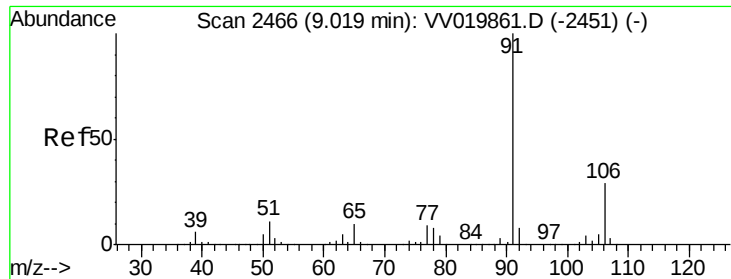
MMDadoda
12/30/2020 6:35:34 PM



#51
Chlorobenzene
Concen: 0.232 ug/L
RT: 8.89 min Scan# 2426
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	21.8	40.6
77	58.7	51.0	76.4





#52

Ethylbenzene

Concen: 0.219 ug/L

RT: 9.02 min Scan# 2467

Delta R.T. 0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tot Ion: 91 Resp: 22458

Ion Ratio Lower Upper

91 100

106 26.7 20.9 38.7

Instrument :

MSVOA_V

ClientSampleId :

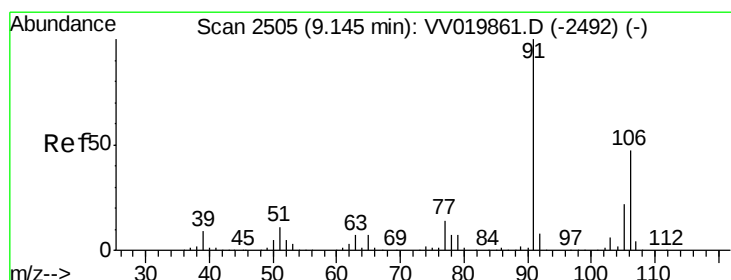
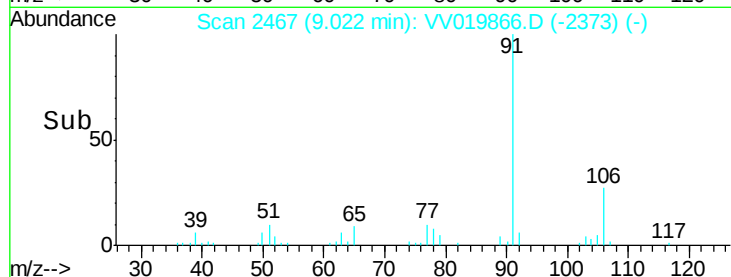
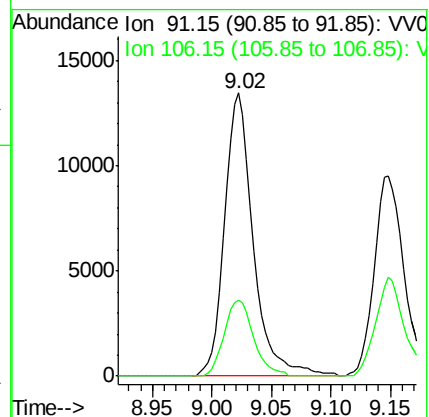
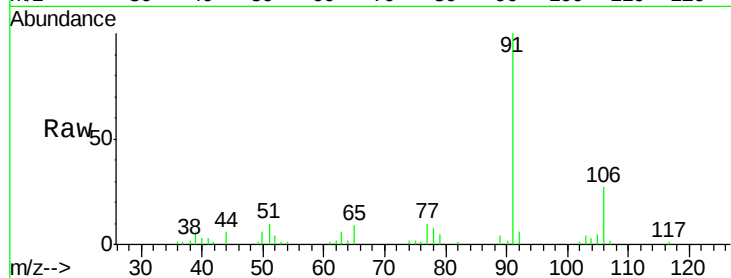
MDL-WATER-01

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#53

m,p-xylene

Concen: 0.213 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VV019866.D

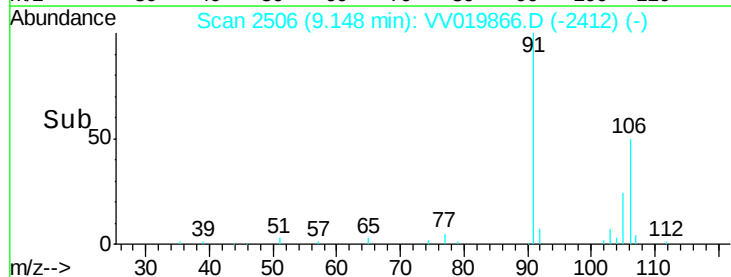
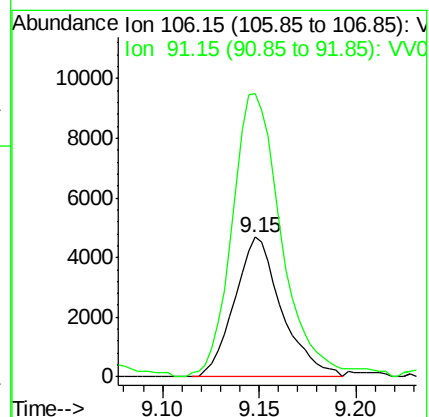
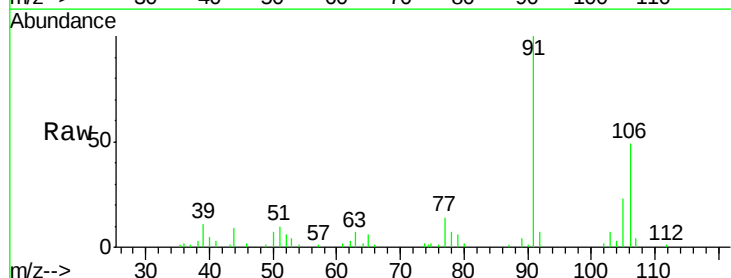
Acq: 29 Dec 2020 16:29

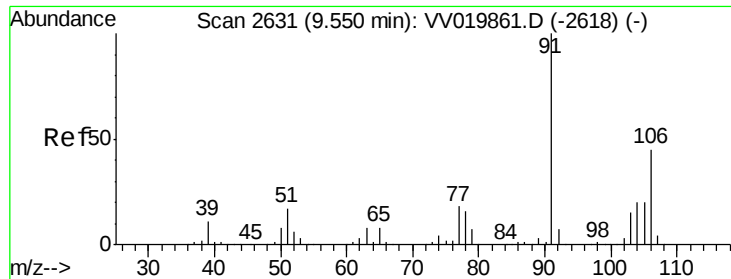
Tgt Ion: 106 Resp: 7973

Ion Ratio Lower Upper

106 100

91 202.4 147.1 273.1





#54

o-xylene

Concen: 0.208 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tot Ion:106 Resp: 7471

Ion Ratio Lower Upper

106 100

91 239.8 155.8 289.3

Instrument :

MSVOA_V

ClientSampleId :

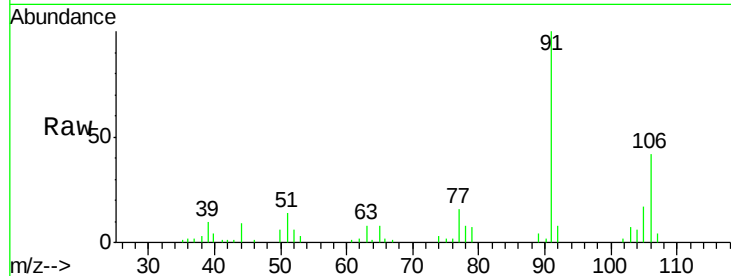
MDL-WATER-01

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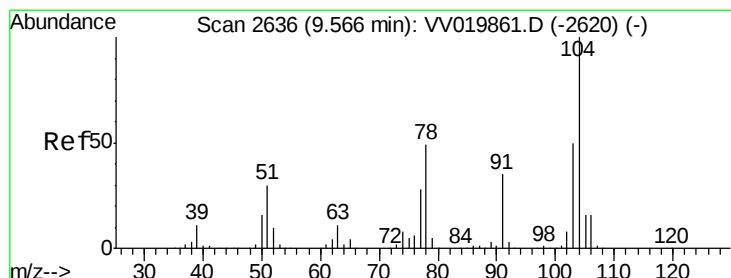
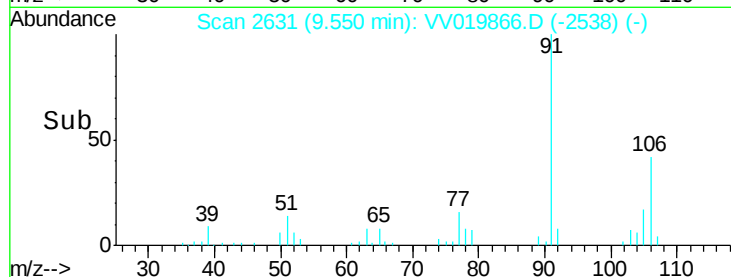
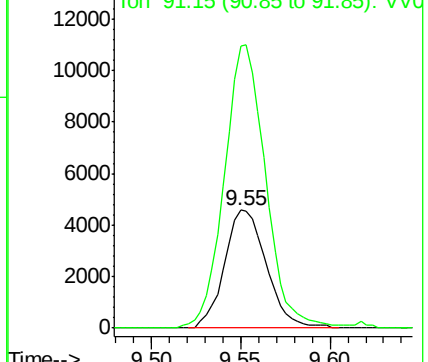
MMDadoda

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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: 0.184 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019866.D

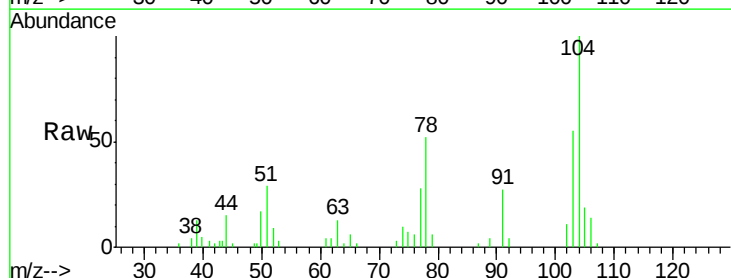
Acq: 29 Dec 2020 16:29

Tgt Ion:104 Resp: 11150

Ion Ratio Lower Upper

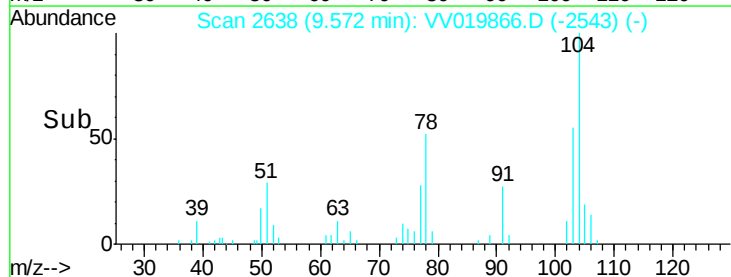
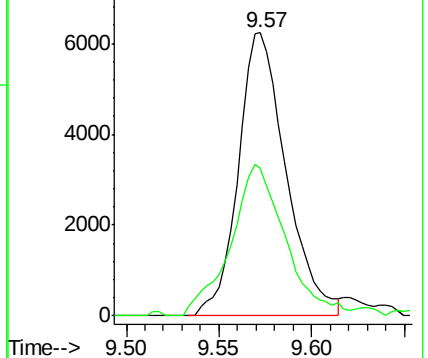
104 100

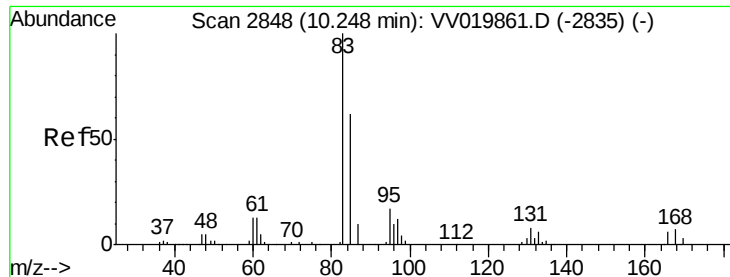
78 52.0 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





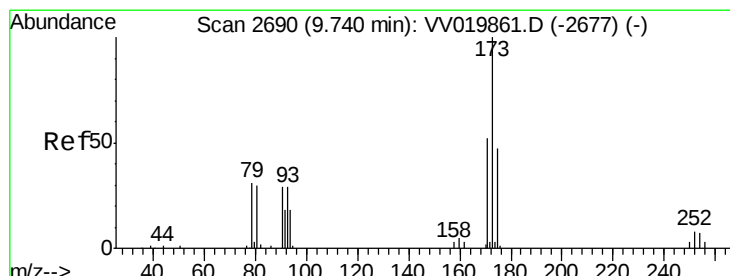
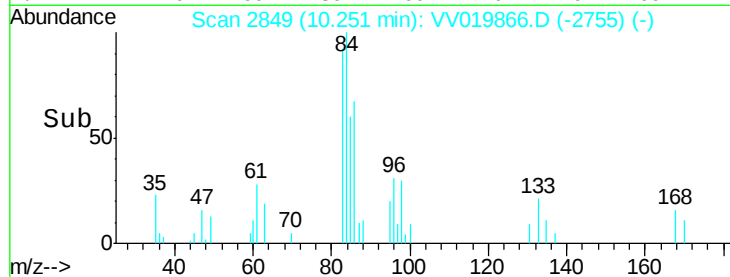
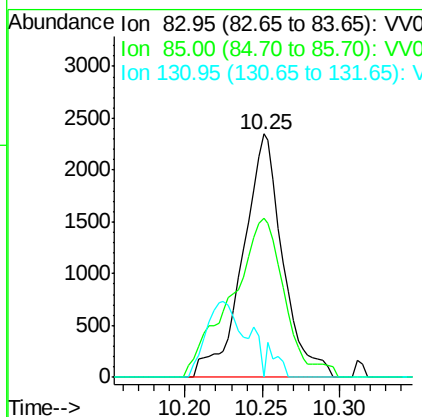
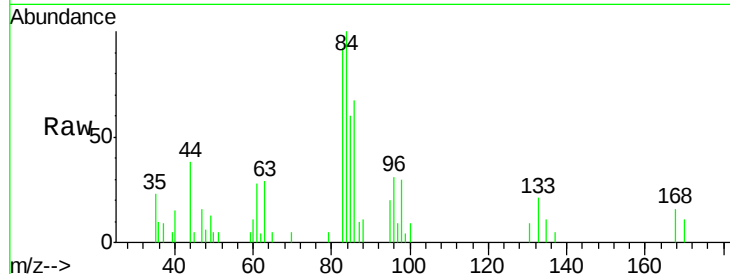
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.270 ug/L
 RT: 10.25 min Scan# 2849
 Delta R.T. 0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	83	Resp	4217
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	44.3	82.3
131	0.0	7.4	11.2#

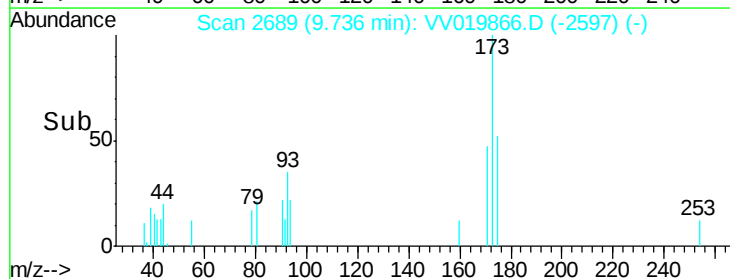
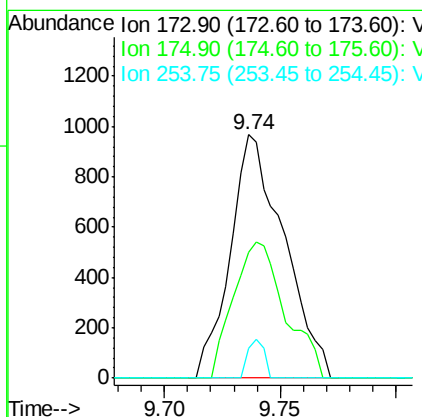
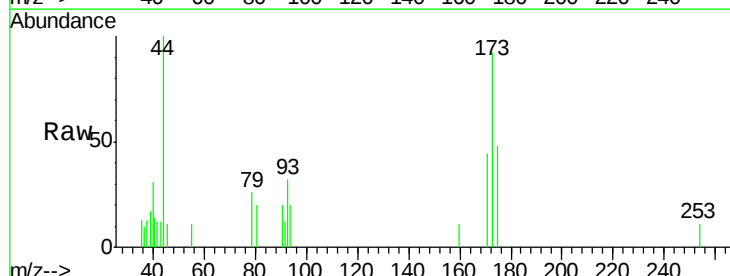
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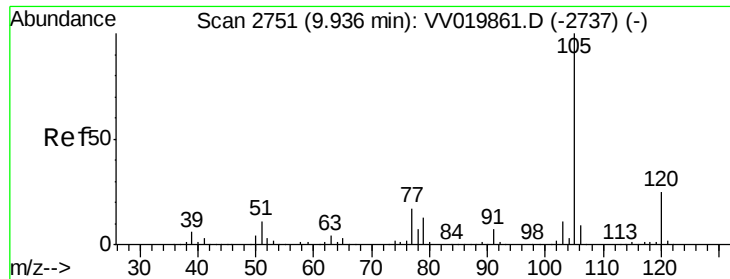
MMDadoda
 12/30/2020 6:35:34 PM



#59
 Bromoform
 Concen: 0.224 ug/L
 RT: 9.74 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	173	Resp	1556
Ion Ratio	100	Lower	Upper
173	100		
175	54.2	38.3	57.5
254	4.8	6.4	9.6#





#60

Isopropylbenzene

Concen: 0.220 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

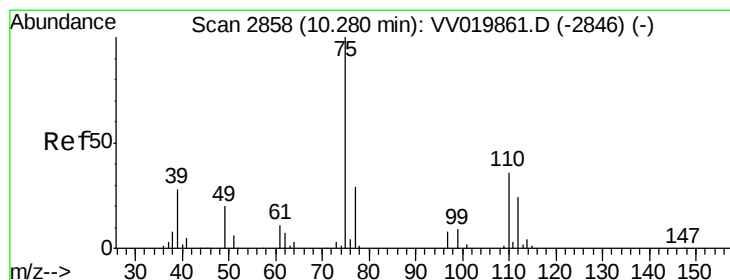
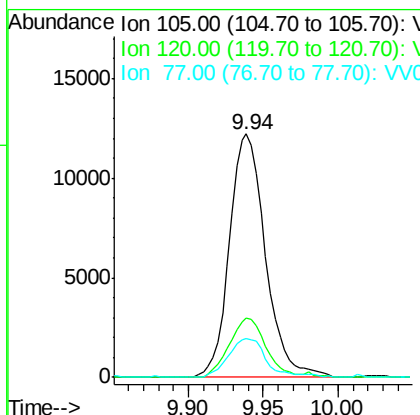
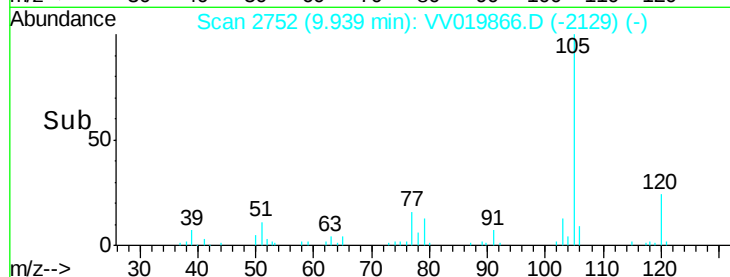
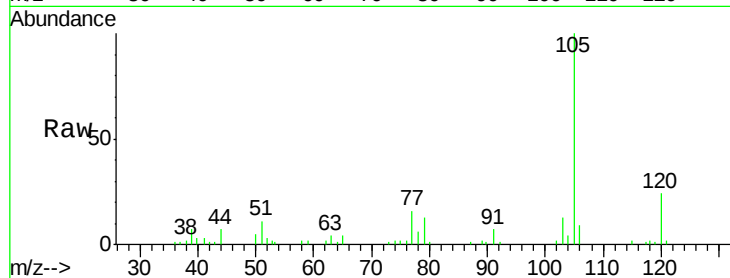
ClientSampleId :

MDL-WATER-01

Tot Ion:	105	Resp:	20442
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.4	30.6
77	16.4	13.7	20.5

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#61

1,2,3-Trichloropropane

Concen: 0.257 ug/L

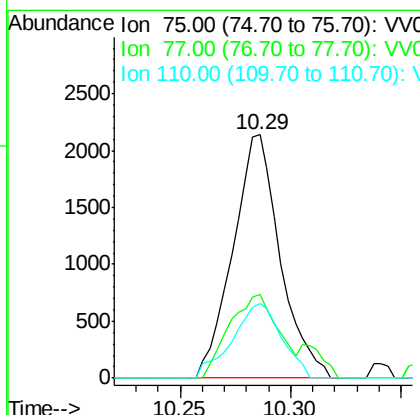
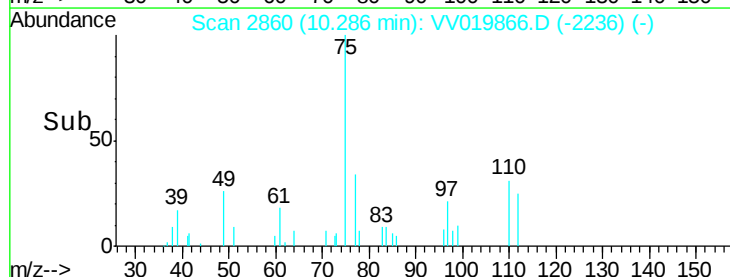
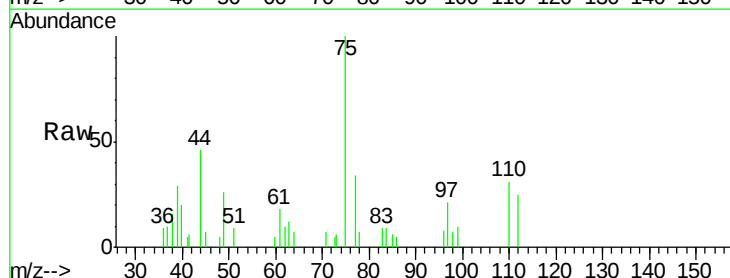
RT: 10.29 min Scan# 2860

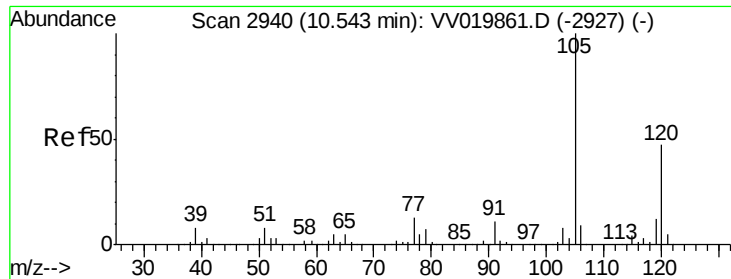
Delta R.T. 0.01 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Tgt Ion:	75	Resp:	3174
Ion Ratio	Lower	Upper	
75	100		
77	35.9	25.6	38.4
110	32.0	30.5	45.7





#62

1,3,5-Trimethylbenzene

Concen: 0.216 ug/L

RT: 10.55 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VV019866.D

Acq: 29 Dec 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion:105 Resp: 16600

Ion Ratio Lower Upper

105 100

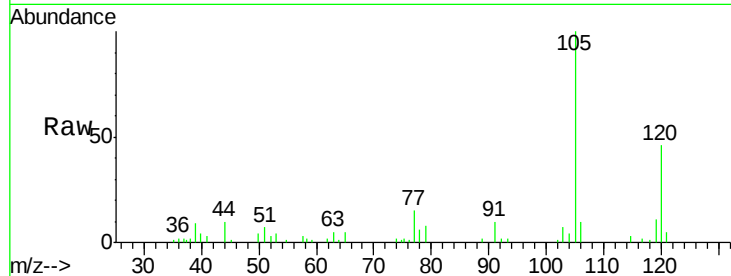
120 47.0 37.8 56.6

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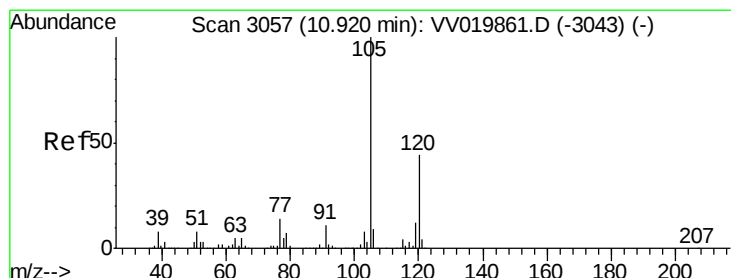
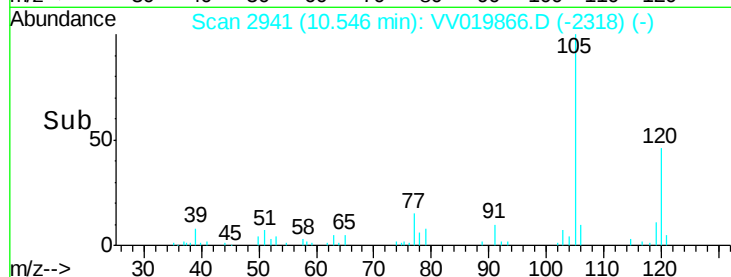
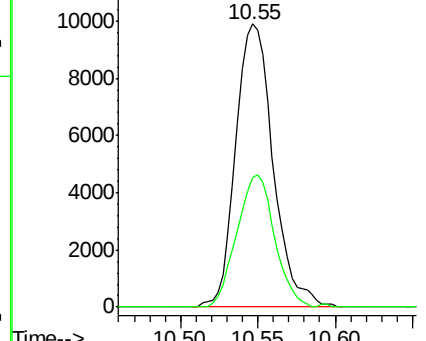
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.201 ug/L

RT: 10.92 min Scan# 3058

Delta R.T. 0.00 min

Lab File: VV019866.D

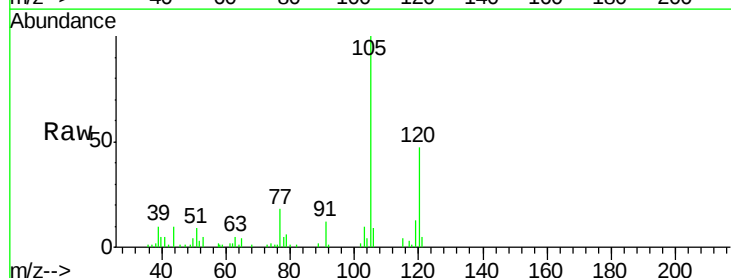
Acq: 29 Dec 2020 16:29

Tgt Ion:105 Resp: 15783

Ion Ratio Lower Upper

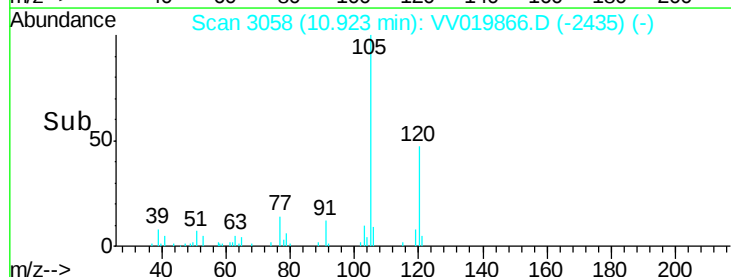
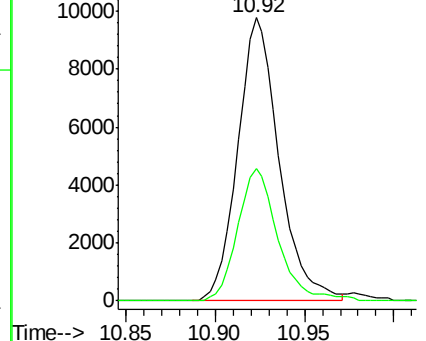
105 100

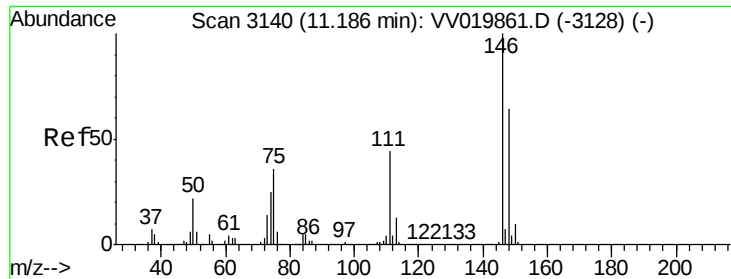
120 45.6 34.9 52.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





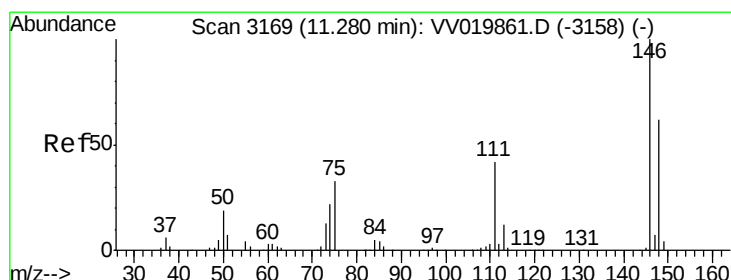
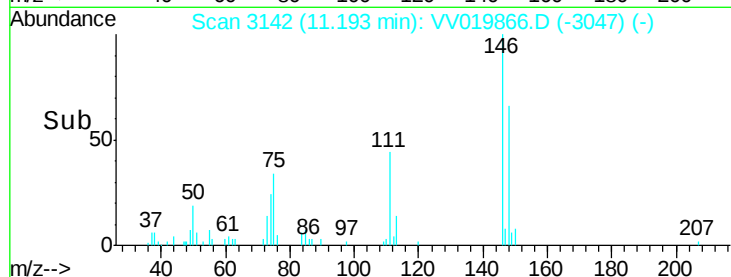
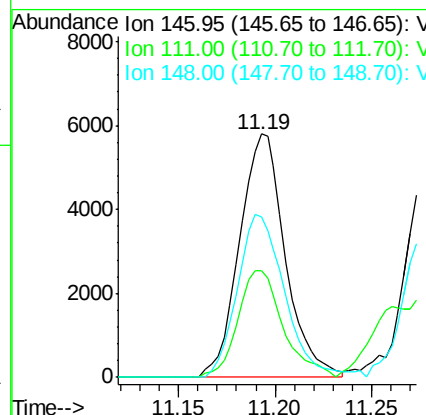
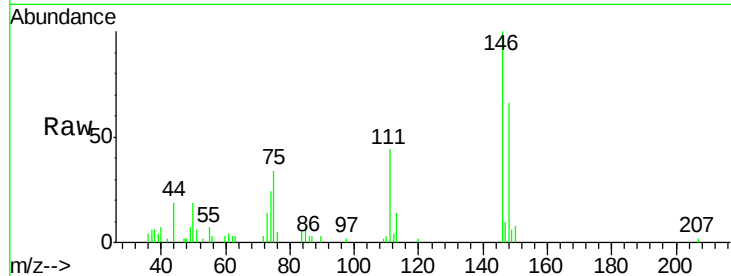
#64
 1,3-Dichlorobenzene
 Concen: 0.233 ug/L
 RT: 11.19 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	30.4	56.5
148	66.0	45.8	85.2

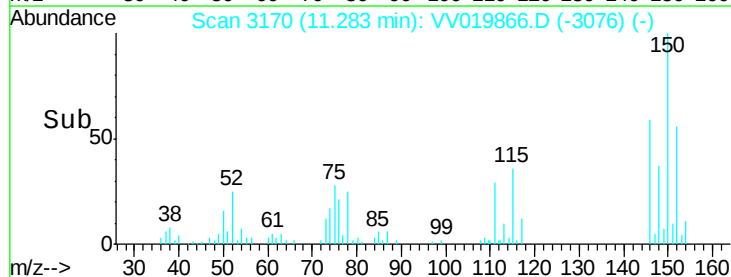
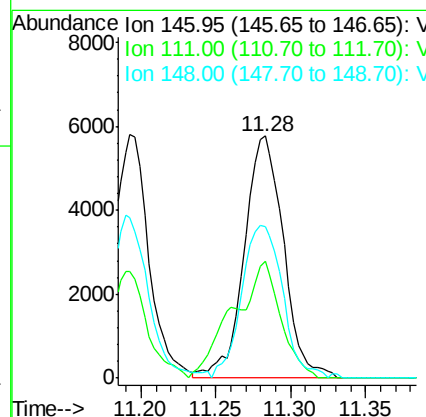
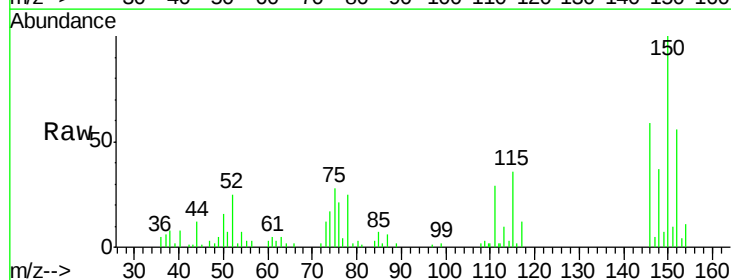
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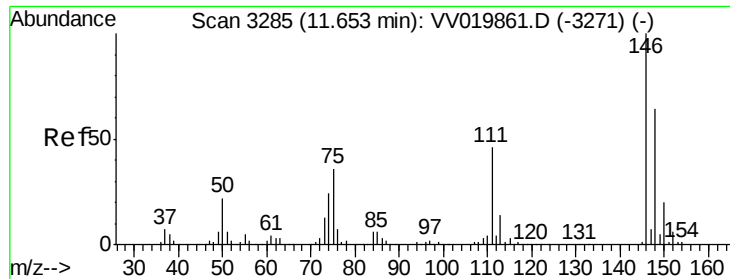
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#65
 1,4-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 11.28 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	29.7	55.1
148	62.7	45.1	83.7





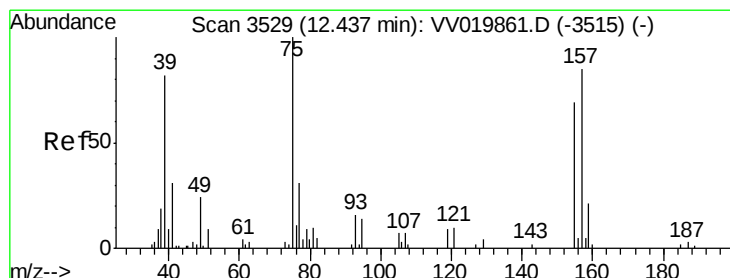
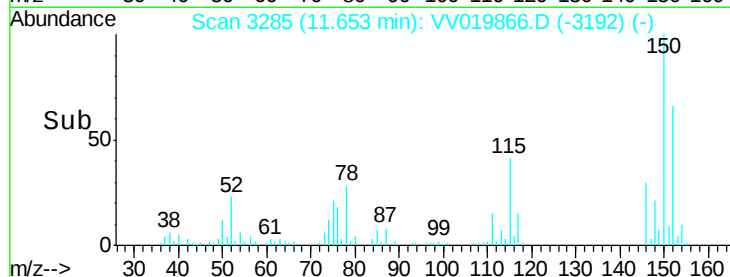
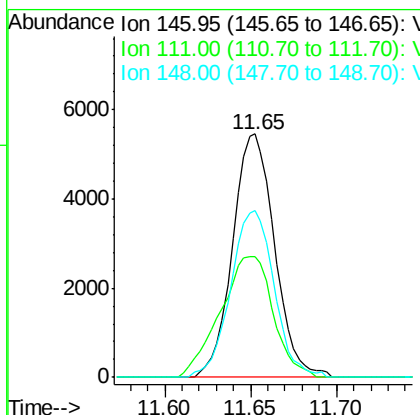
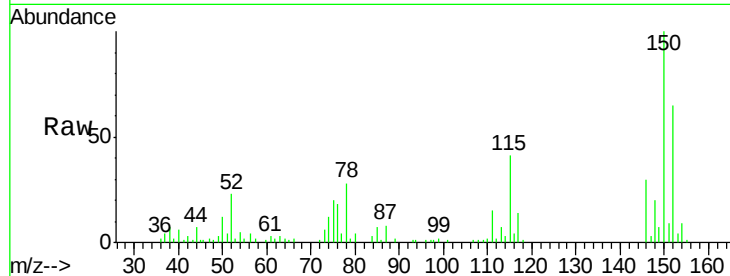
#67
 1,2-Dichlorobenzene
 Concen: 0.247 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	37.7	56.5
148	68.3	50.6	75.8

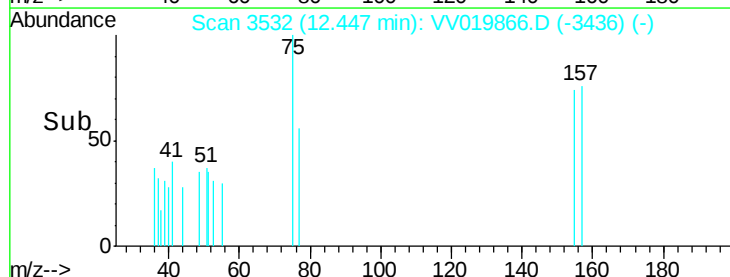
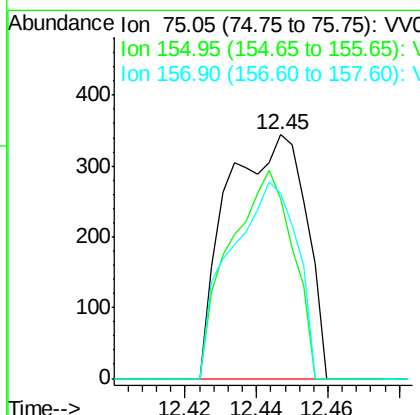
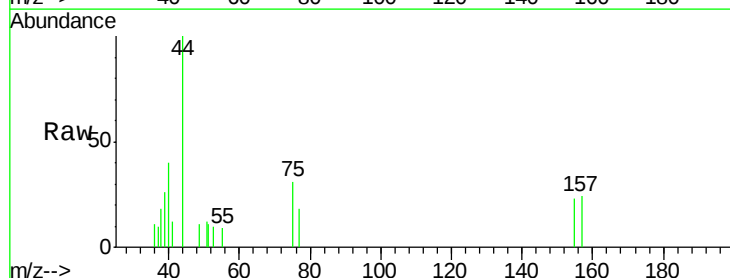
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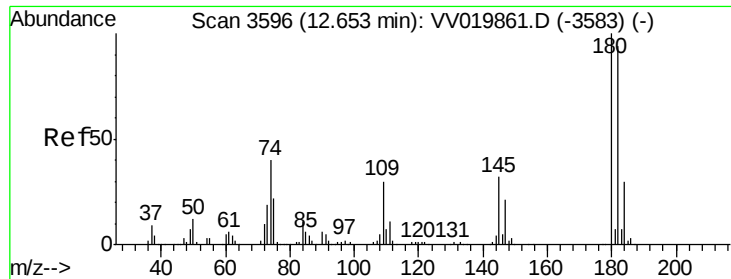
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.205 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	56.5	84.7
157	76.2	74.2	111.2





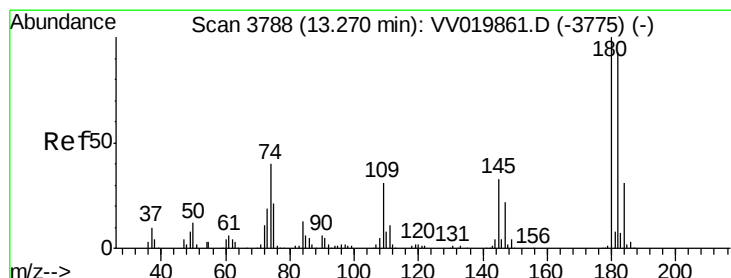
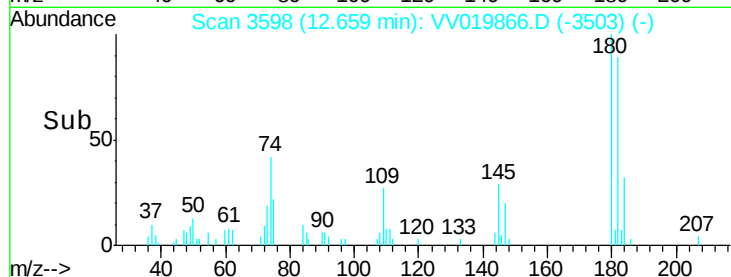
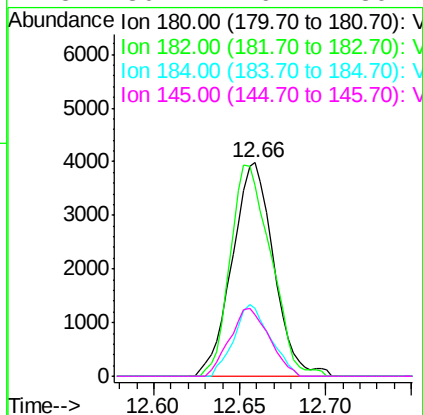
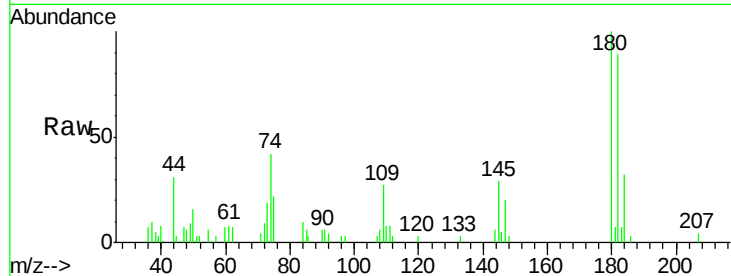
#69
 1,3,5-Trichlorobenzene
 Concen: 0.220 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.9	113.9
184	29.2	23.5	35.3
145	30.1	26.2	39.2

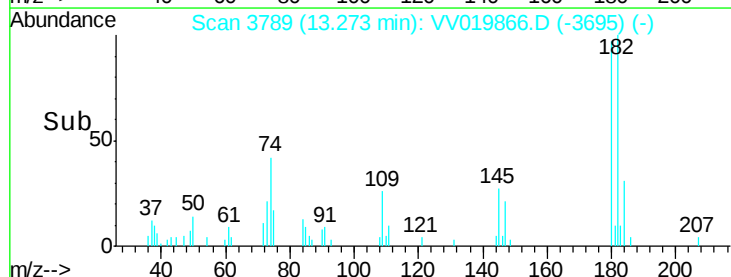
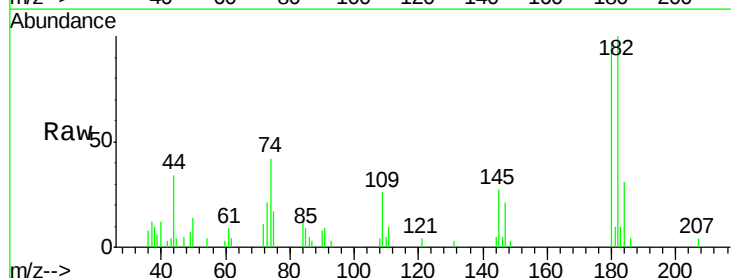
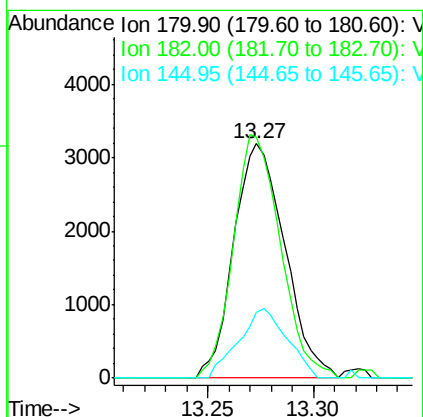
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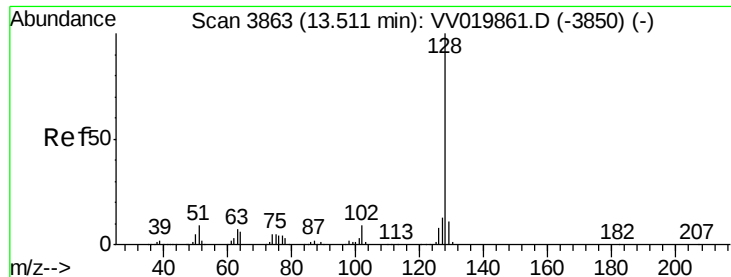
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#70
 1,2,4-trichlorobenzene
 Concen: 0.218 ug/L
 RT: 13.27 min Scan# 3789
 Delta R.T. 0.00 min
 Lab File: VV019866.D
 Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
145	28.0	26.6	39.8





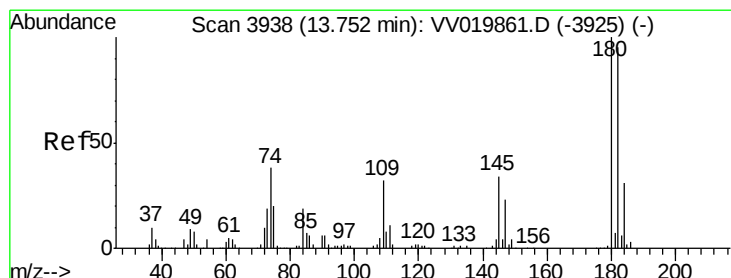
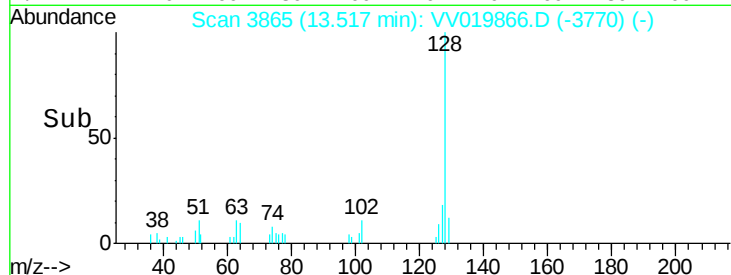
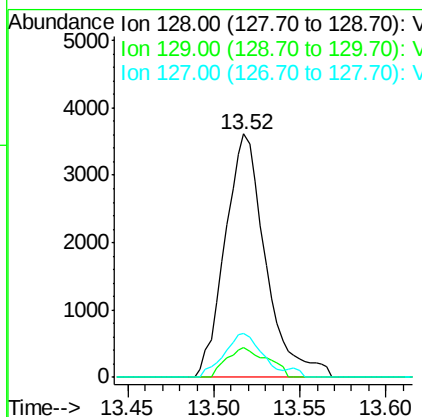
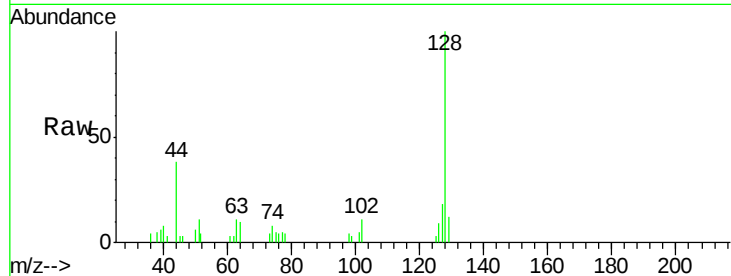
#71
Naphthalene
Concen: 0.159 ug/L
RT: 13.52 min Scan# 3865
Delta R.T. 0.01 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	5919		
129	12.3		8.5	12.7
127	16.9		10.2	15.4

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 0.205 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VV019866.D
Acq: 29 Dec 2020 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4296		
182	93.9		74.6	112.0
145	32.9		28.8	43.2

