

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019265.D
 Acq On : 05 Nov 2020 00:44
 Operator : SY/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-07

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:04:00 AM

Quant Time: Nov 05 05:26:14 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 05 04:58:48 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220992	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212405	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	101569	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71641	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.58	69	64439	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.12	63	111075	35.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.36%
21) 2-Butanone-d5	3.90	46	107078	113.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.86%
24) Chloroform-d	4.38	84	149854	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
26) 1,2-Dichloroethane-d4	5.06	65	112358	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
32) Benzene-d6	5.07	84	276810	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.09	67	89609	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.34%
41) Toluene-d8	7.34	98	238154	43.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.18%
43) trans-1,3-Dichloropropene-	7.64	79	44781	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.34%
47) 2-Hexanone-d5	8.11	63	68964	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	114048	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	103396	50.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3176	2.346 ug/L	95
3) Chloromethane	1.25	50	3684	2.613 ug/L	90
5) Vinyl chloride	1.32	62	4371	2.979 ug/L #	53
6) Bromomethane	1.53	94	2853	2.893 ug/L	95
8) Chloroethane	1.60	64	3013	3.139 ug/L	99
9) Trichlorofluoromethane	1.77	101	6063	2.496 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3566	3.089 ug/L	86
12) 1,1-Dichloroethene	2.13	96	4193	3.515 ug/L #	1
13) Acetone	2.19	43	4800	6.712 ug/L	99
14) Carbon disulfide	2.31	76	8883	2.593 ug/L	96
15) Methyl Acetate	2.46	43	4321	3.118 ug/L #	87
16) Methylene chloride	2.53	84	4420	3.117 ug/L	84
17) trans-1,2-Dichloroethene	2.78	96	3186	2.462 ug/L	85
18) Methyl tert-butyl Ether	2.78	73	12235	2.689 ug/L #	86
19) 1,1-Dichloroethane	3.22	63	6975	2.751 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	3742	2.616 ug/L	100
22) 2-Butanone	4.03	43	3431m	3.780 ug/L	

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

23) Bromochloromethane	4.29	128	2019	2.564	ug/L	86
25) Chloroform	4.41	83	8495m	3.125	ug/L	
27) 1,2-Dichloroethane	5.16	62	6427	2.781	ug/L #	94
29) Cyclohexane	4.71	56	4198	2.310	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	5962	2.420	ug/L #	68
31) Carbon tetrachloride	4.86	117	4798	2.256	ug/L	100
33) Benzene	5.13	78	13916	2.636	ug/L	100
34) Trichloroethene	5.95	95	4024	2.805	ug/L	96
35) Methylcyclohexane	6.15	83	3785	2.180	ug/L	94
37) 1,2-Dichloropropane	6.21	63	3849	2.732	ug/L #	92
38) Bromodichloromethane	6.54	83	5249	2.589	ug/L	88
39) cis-1,3-Dichloropropene	7.05	75	5640m	2.502	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	9368	4.950	ug/L	97
42) Toluene	7.41	91	15532	2.722	ug/L	95
44) trans-1,3-Dichloropropene	7.68	75	5454m	2.361	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	3687	2.648	ug/L	93
46) Tetrachloroethene	8.00	164	2685	2.294	ug/L	96
48) 2-Hexanone	8.16	43	9008	6.296	ug/L #	85
49) Dibromochloromethane	8.27	129	3827	2.305	ug/L	85
50) 1,2-Dibromoethane	8.38	107	3577	2.478	ug/L #	98
51) Chlorobenzene	8.90	112	9153	2.398	ug/L	96
52) Ethylbenzene	9.04	91	14311	2.273	ug/L	99
53) m,p-Xylene	9.16	106	4902	2.080	ug/L	100
54) o-Xylene	9.57	106	4928	2.121	ug/L	94
55) Styrene	9.59	104	8098	1.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5797	2.752	ug/L	87
59) Bromoform	9.75	173	2891	2.565	ug/L	95
60) Isopropylbenzene	9.95	105	12178	2.288	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5047	3.198	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	9934	2.241	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	9233	2.128	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	7115	2.555	ug/L	97
65) 1,4-Dichlorobenzene	11.30	146	7844	2.723	ug/L	94
67) 1,2-Dichlorobenzene	11.67	146	8022	2.816	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	1167	2.535	ug/L	93
69) 1,3,5-Trichlorobenzene	12.67	180	4776m	2.390	ug/L	
70) 1,2,4-trichlorobenzene	13.29	180	4165	2.215	ug/L	93
71) Naphthalene	13.53	128	9464	1.784	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.77	180	4256	2.283	ug/L	91

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

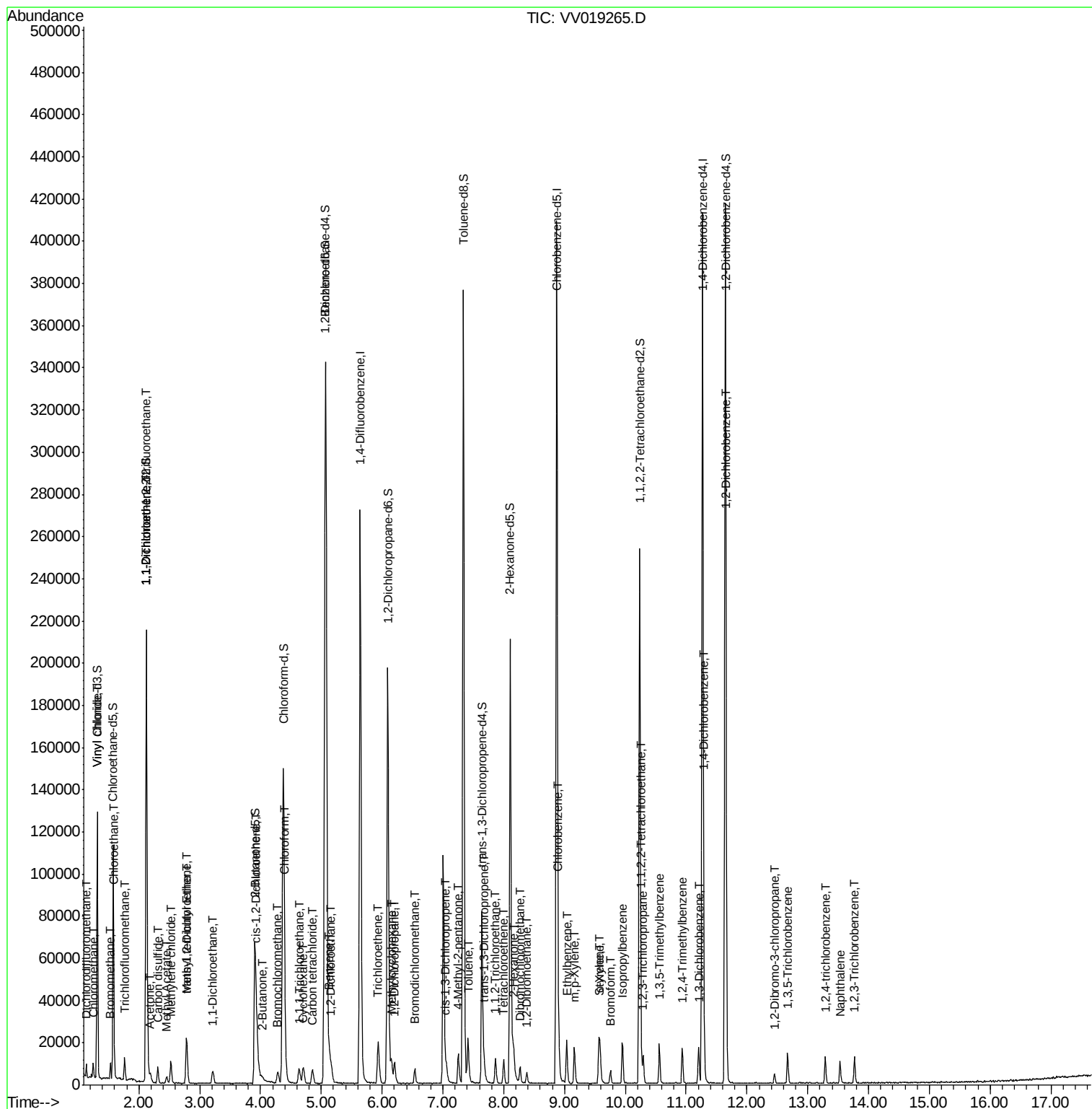
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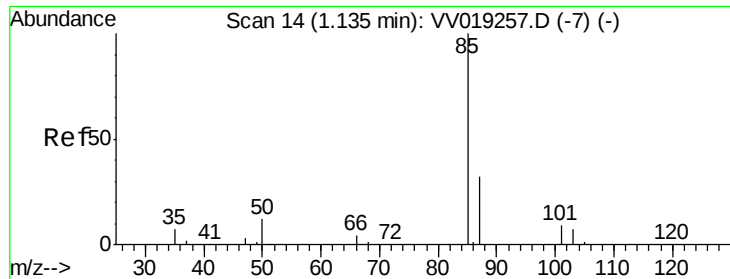
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#2

Dichlorodifluoromethane

Concen: 2.346 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tot Ion: 85 Resp: 3176

Ion Ratio Lower Upper

85 100

87 35.2 25.9 38.9

Instrument :

MSVOA_V

ClientSampleId :

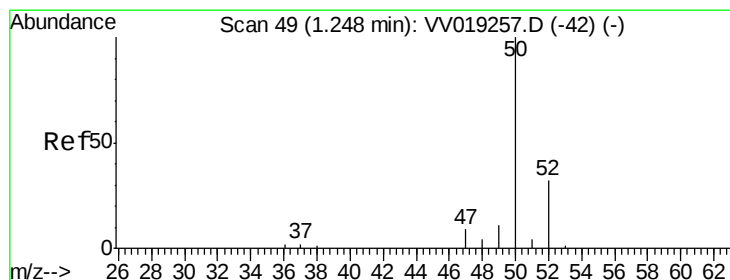
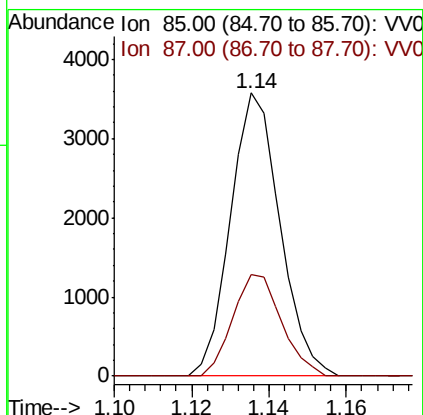
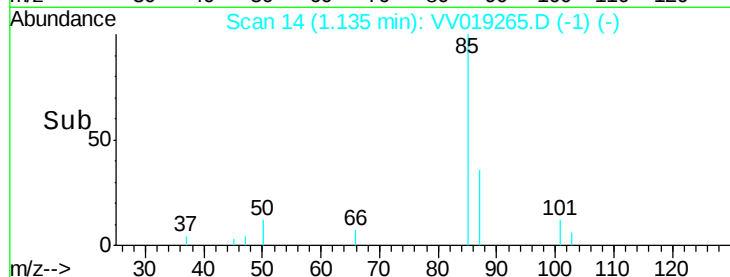
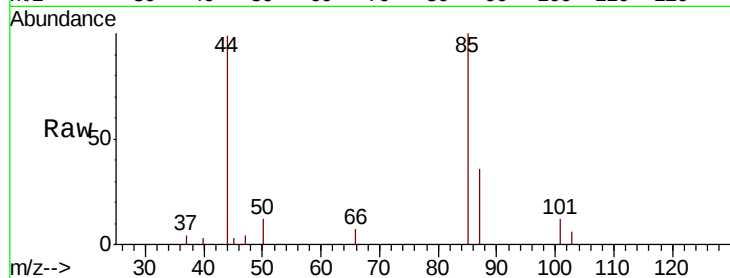
MDL-WATER-07

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#3

Chloromethane

Concen: 2.613 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019265.D

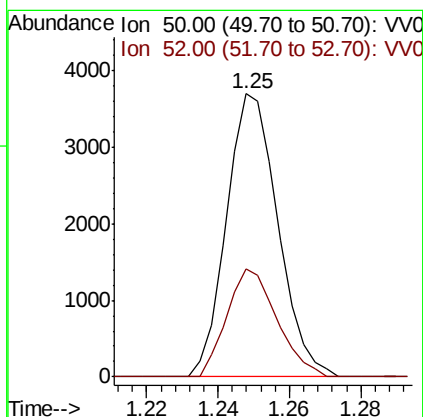
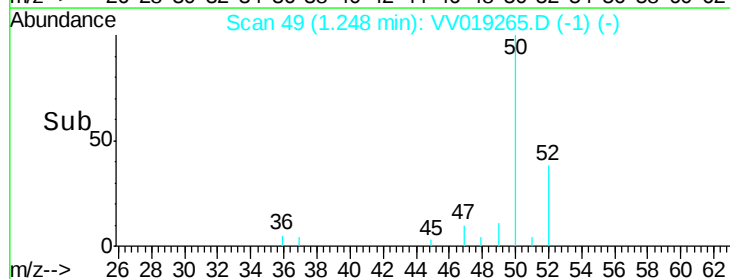
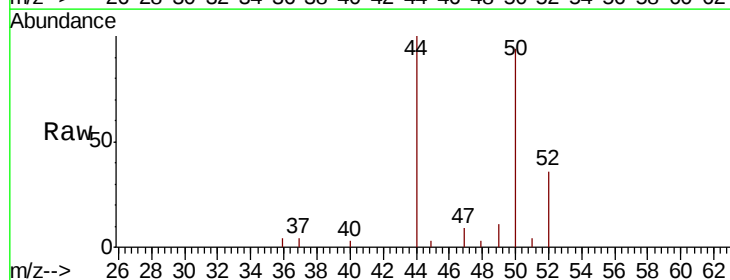
Acq: 05 Nov 2020 00:44

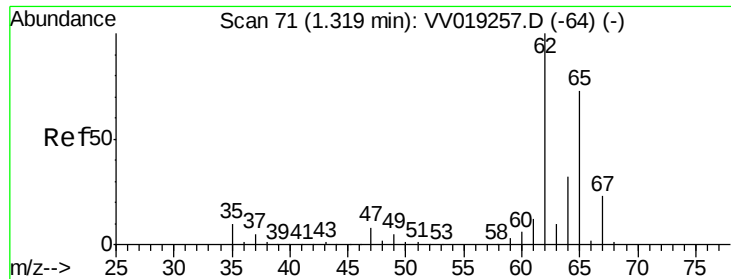
Tgt Ion: 50 Resp: 3684

Ion Ratio Lower Upper

50 100

52 38.4 23.0 42.6





#5

Vinyl chloride

Concen: 2.979 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleID :

MDL-WATER-07

Tot Ion: 62 Resp: 4371

Ion Ratio Lower Upper

62 100

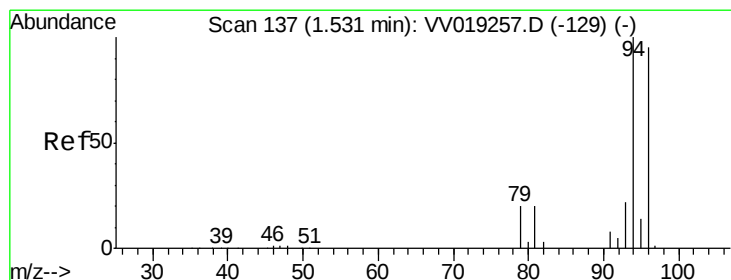
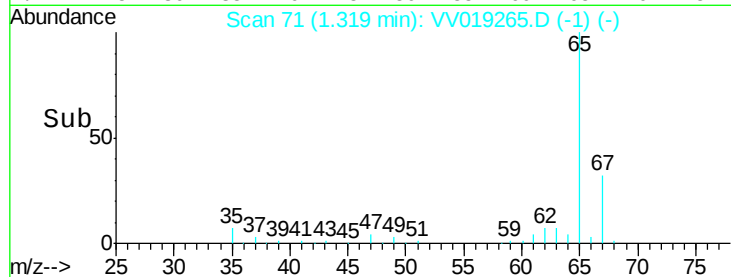
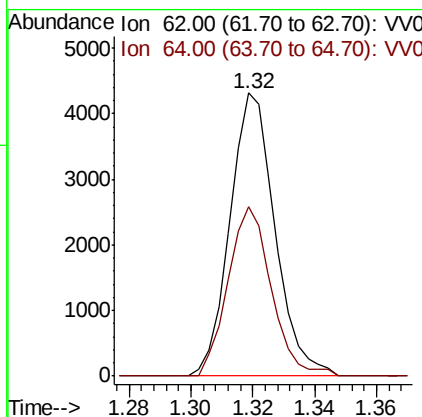
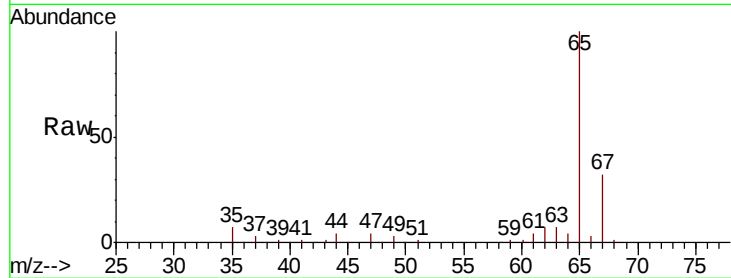
64 59.7 23.3 43.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.893 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019265.D

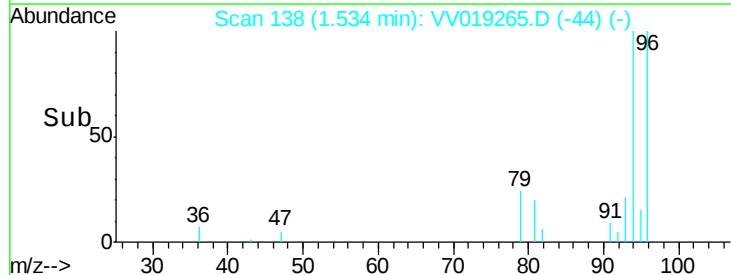
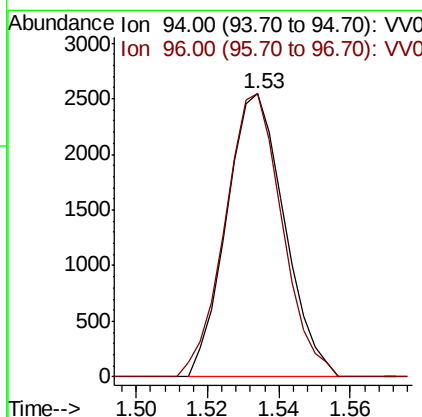
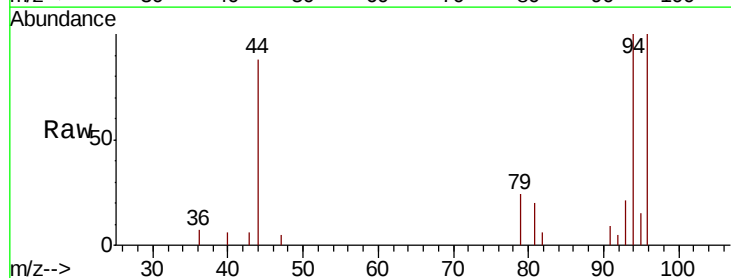
Acq: 05 Nov 2020 00:44

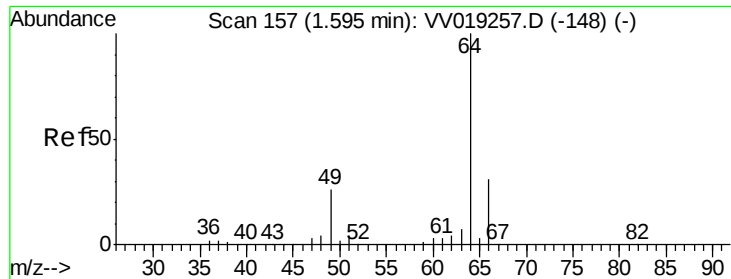
Tgt Ion: 94 Resp: 2853

Ion Ratio Lower Upper

94 100

96 100.0 66.4 123.2





#8

Chloroethane

Concen: 3.139 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

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Tot Ion: 64 Resp: 3013

Ion Ratio Lower Upper

64 100

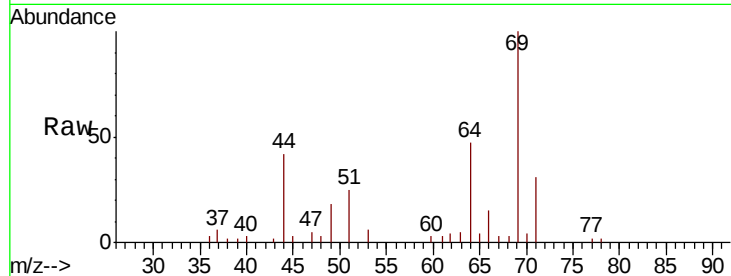
66 31.6 22.5 41.9

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VV019257.D

Ion 66.00 (65.70 to 66.70): VV019257.D

1.60

2500

2000

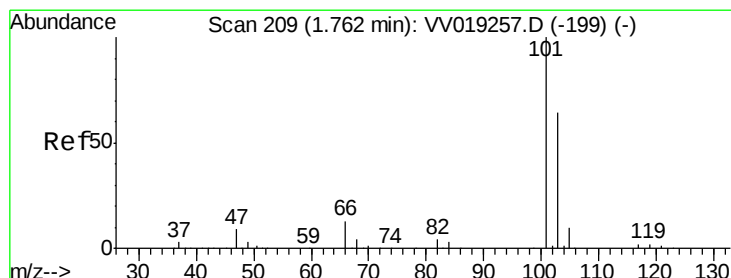
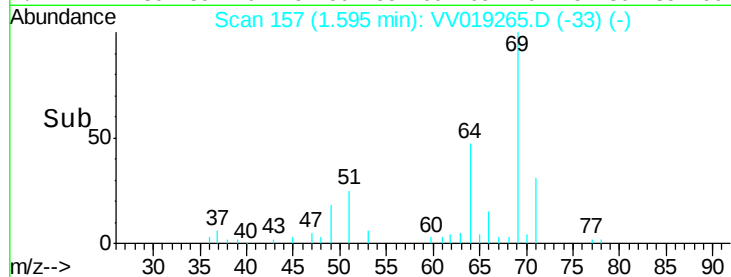
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.496 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019265.D

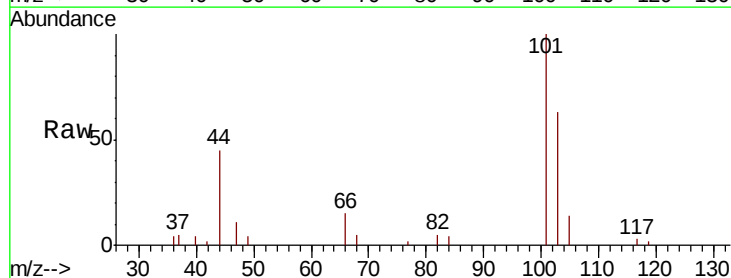
Acq: 05 Nov 2020 00:44

Tgt Ion: 101 Resp: 6063

Ion Ratio Lower Upper

101 100

103 64.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019257.D

Ion 103.00 (102.70 to 103.70): VV019257.D

1.77

5000

4000

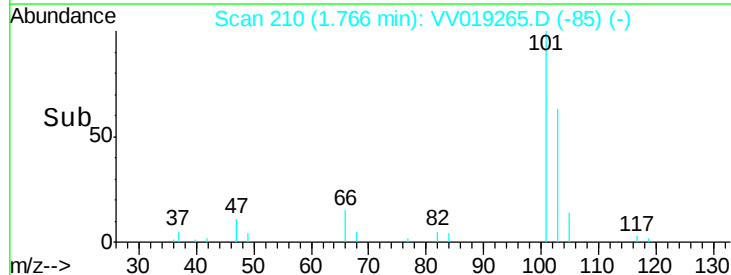
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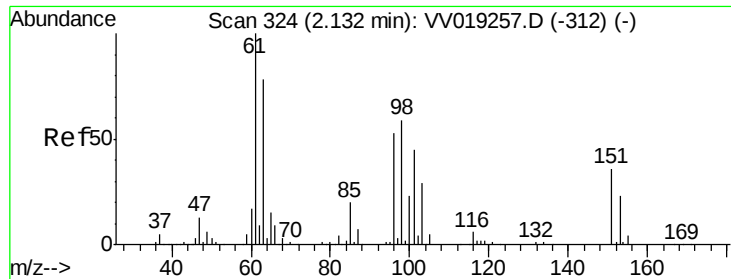
2000

1000

0

Time-->





#10

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

Concen: 3.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

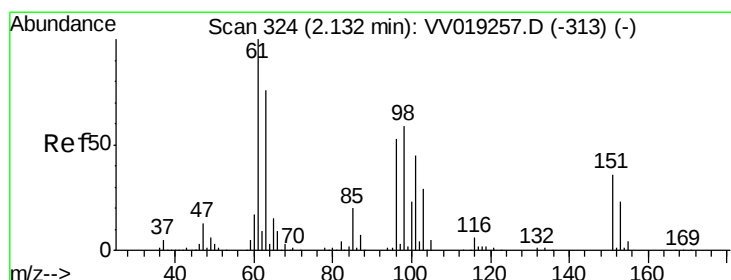
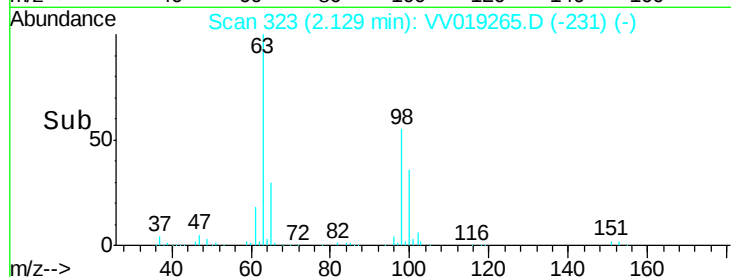
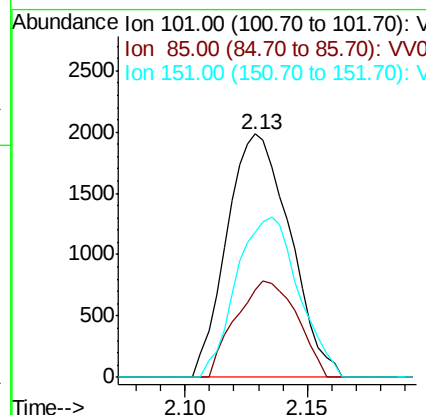
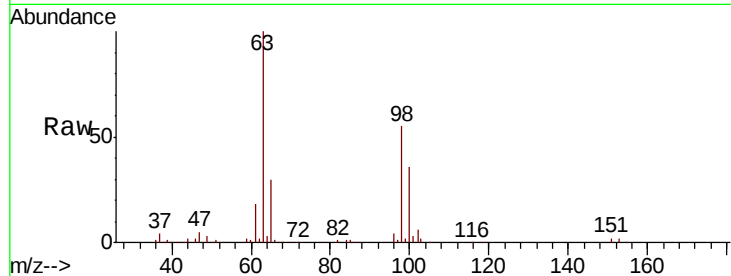
ClientSampleId :

MDL-WATER-07

Tot Ion:	101	Resp:	3566
Ion	Ratio	Lower	Upper
101	100		
85	38.4	35.6	53.4
151	64.9	64.1	96.1

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#12

1,1-Dichloroethene

Concen: 3.515 ug/L

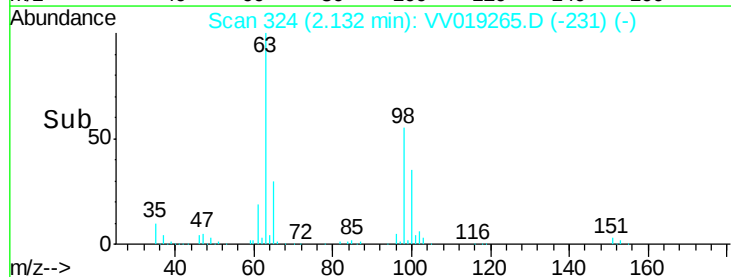
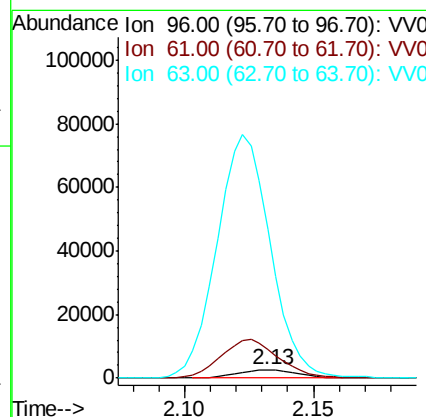
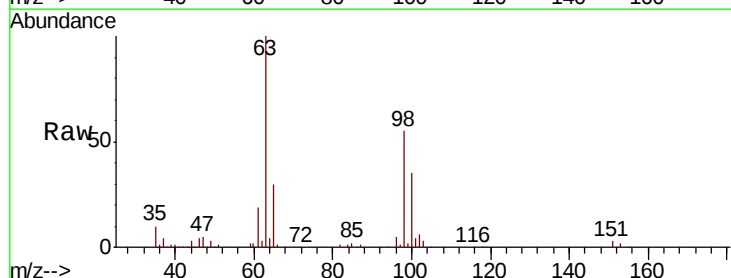
RT: 2.13 min Scan# 324

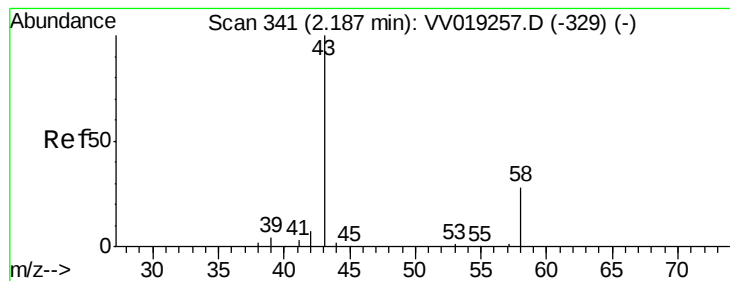
Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tgt Ion:	96	Resp:	4193
Ion	Ratio	Lower	Upper
96	100		
61	354.9	133.6	248.0#
63	1823.7	103.0	191.2#





#13

Acetone

Concen: 6.712 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 43 Resp: 4800

Ion Ratio Lower Upper

43 100

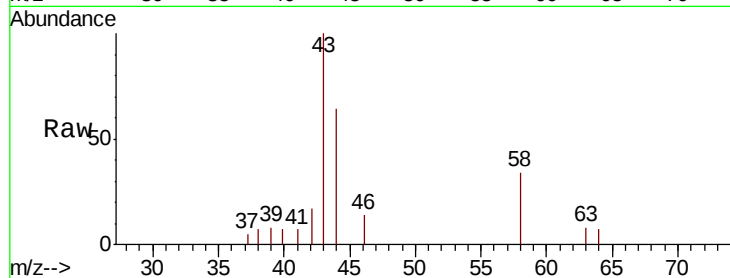
58 28.1 0.0 57.8

Manual Integrations

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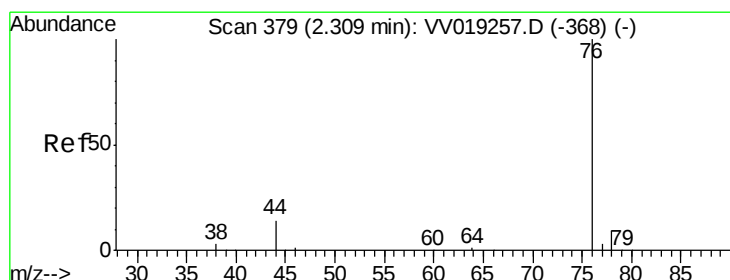
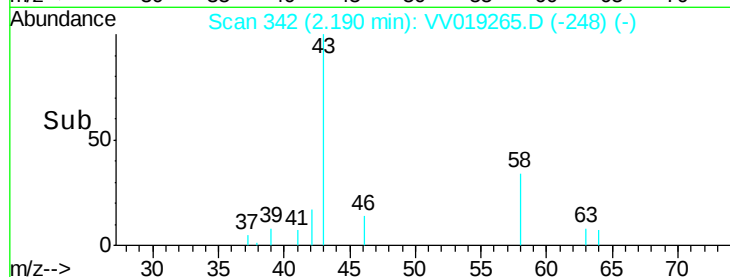
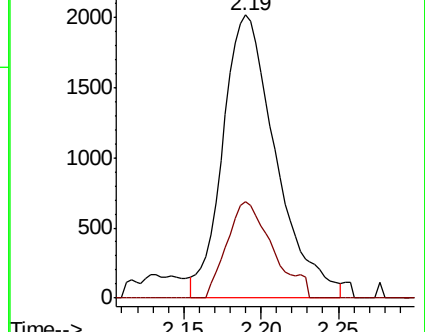
MMDadoda

11/6/2020 11:04:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019257.D (-329) (-)



#14

Carbon disulfide

Concen: 2.593 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019265.D

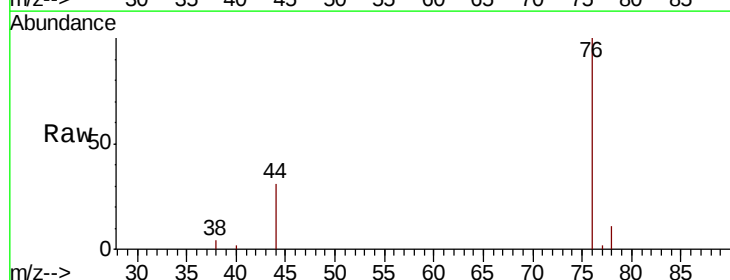
Acq: 05 Nov 2020 00:44

Tgt Ion: 76 Resp: 8883

Ion Ratio Lower Upper

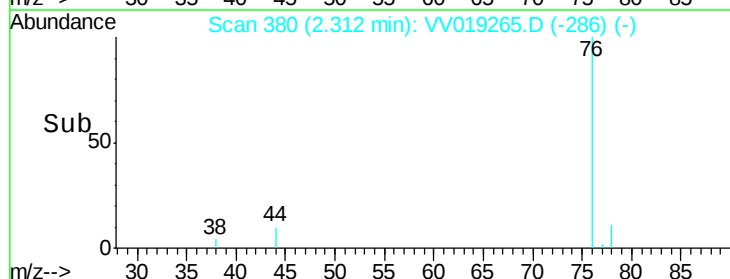
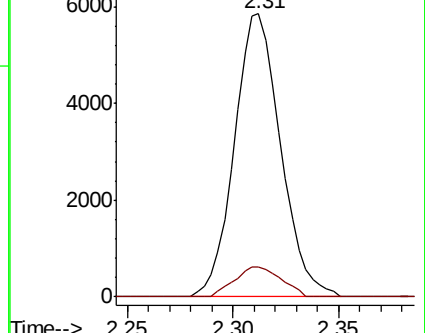
76 100

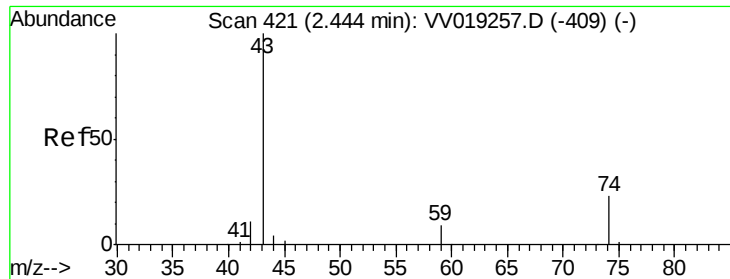
78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019257.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019257.D (-368) (-)





#15

Methvl Acetate

Concen: 3.118 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 43 Resp: 4321

Ion Ratio Lower Upper

43 100

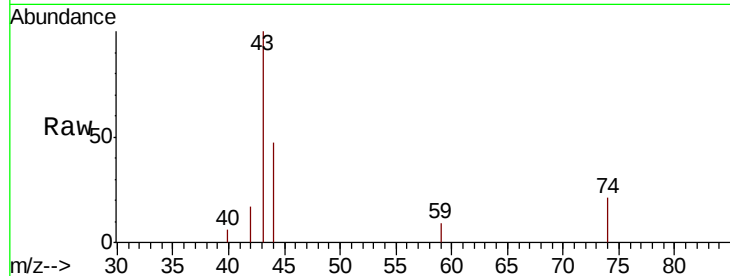
74 16.9 18.8 28.2#

Manual Integrations

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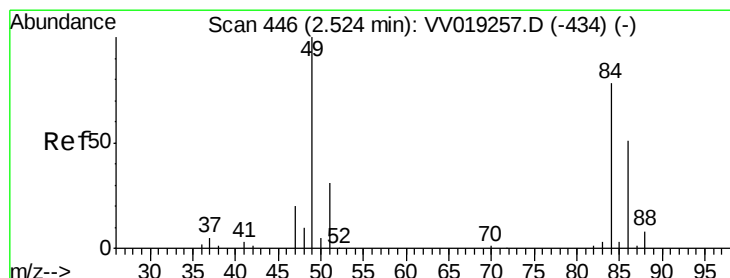
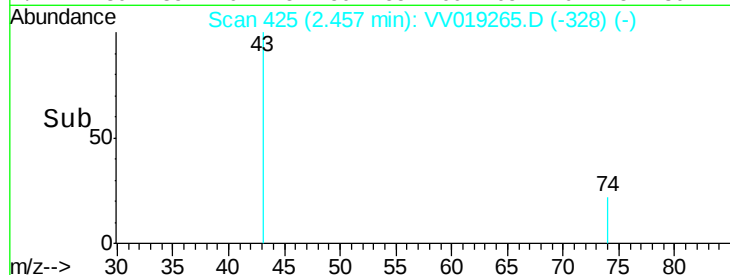
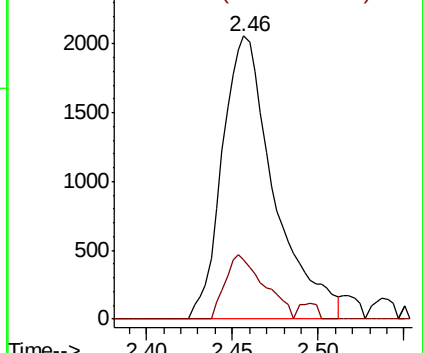
MMDadoda

11/6/2020 11:04:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-409) (-)

Ion 74.00 (73.70 to 74.70): VV019257.D (-409) (-)



#16

Methylene chloride

Concen: 3.117 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

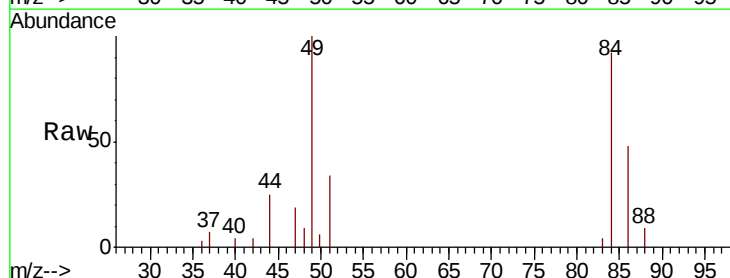
Tgt Ion: 84 Resp: 4420

Ion Ratio Lower Upper

84 100

86 52.6 45.6 84.8

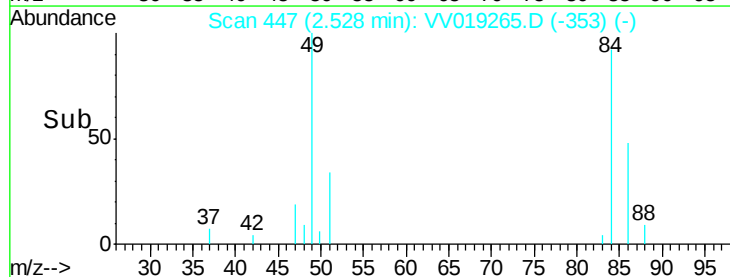
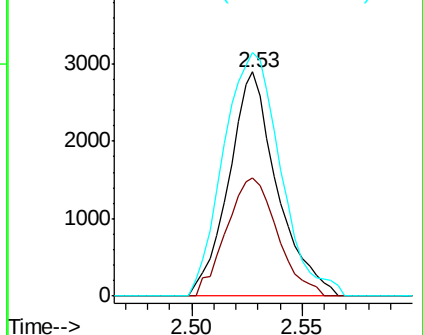
49 108.7 89.3 165.9

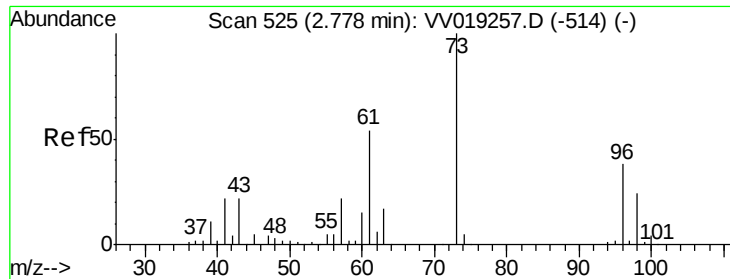


Abundance Ion 84.00 (83.70 to 84.70): VV019257.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV019257.D (-434) (-)

Ion 49.00 (48.70 to 49.70): VV019257.D (-434) (-)





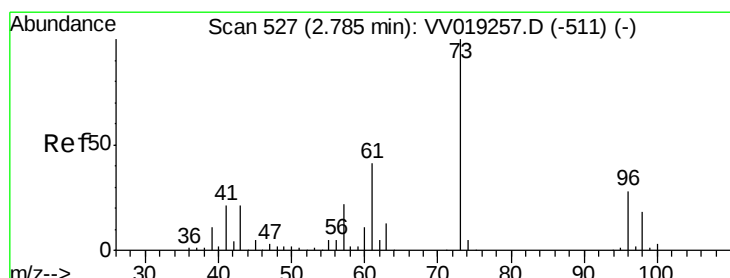
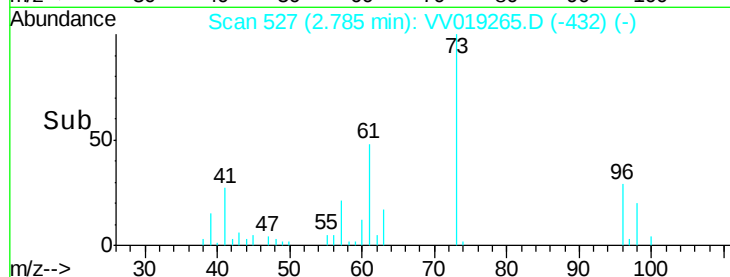
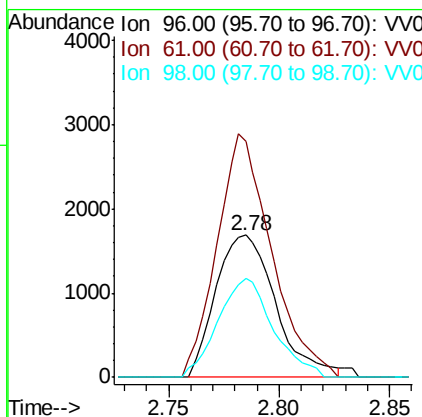
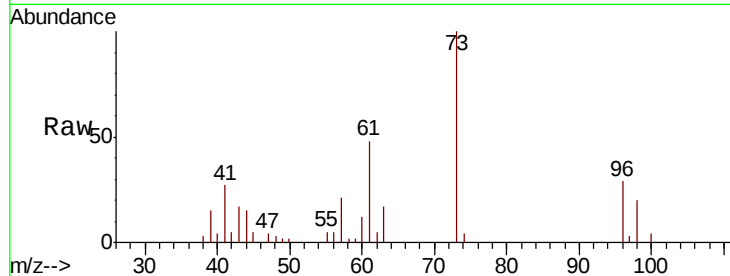
#17
trans-1,2-Dichloroethene
Concen: 2.462 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.7	100.7	187.1
98	69.2	42.9	79.7

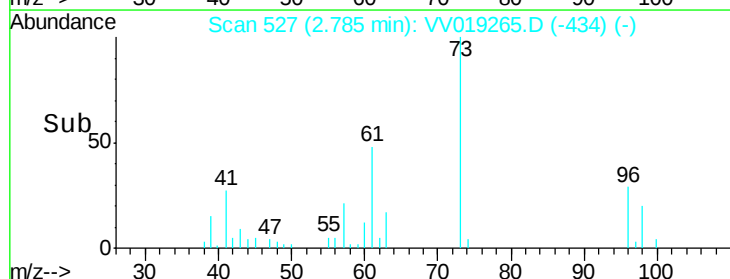
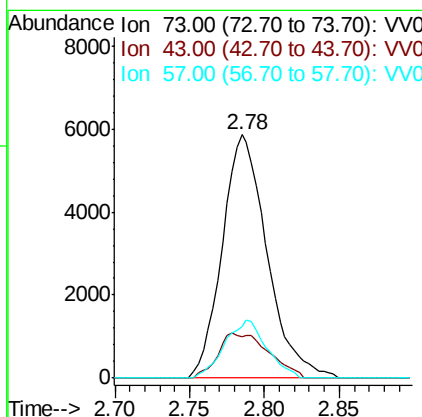
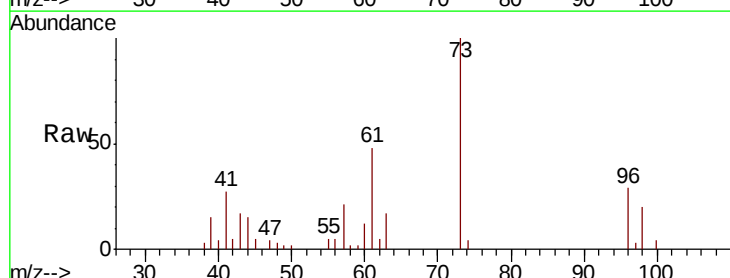
Manual Integrations
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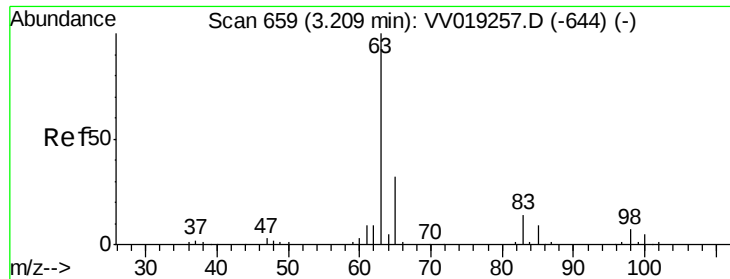
MMDadoda
11/6/2020 11:04:00 AM



#18
Methyl tert-butyl Ether
Concen: 2.689 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	10.1	17.9	26.9#
57	22.2	17.1	25.7





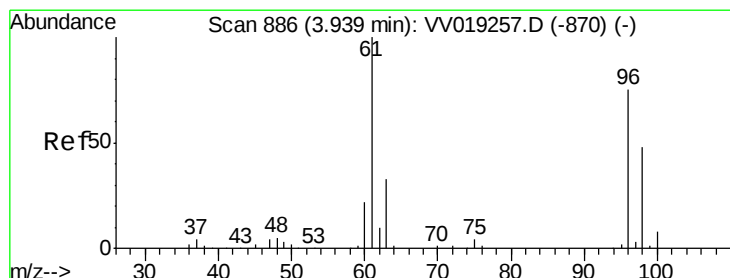
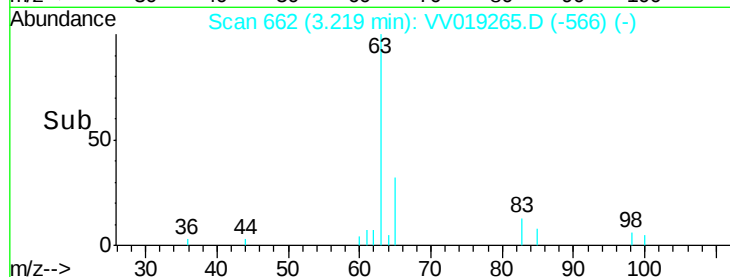
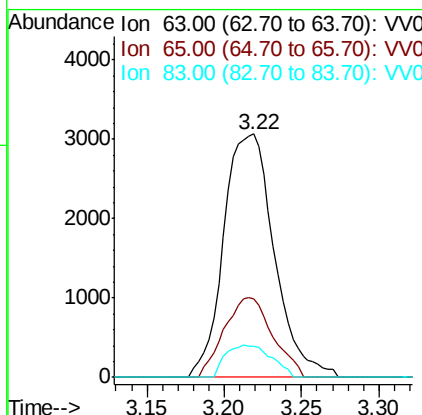
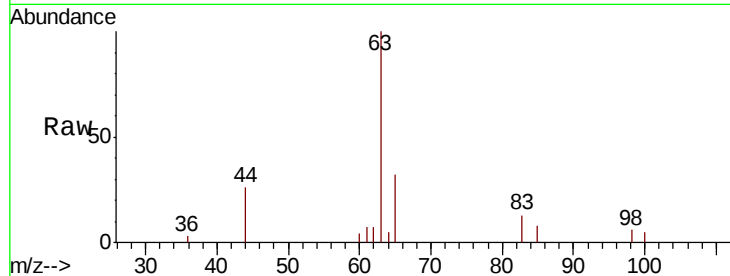
#19
 1,1-Dichloroethane
 Concen: 2.751 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:	63	Resp:	6975
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.8	40.6
83	12.7	9.5	17.7

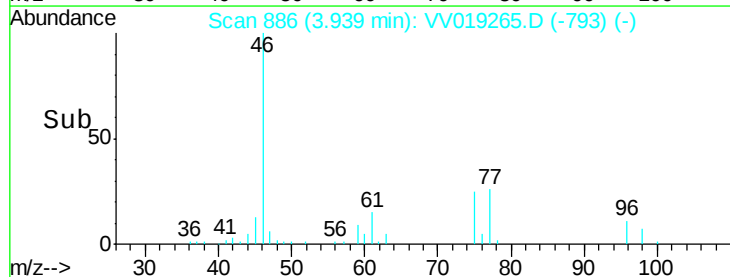
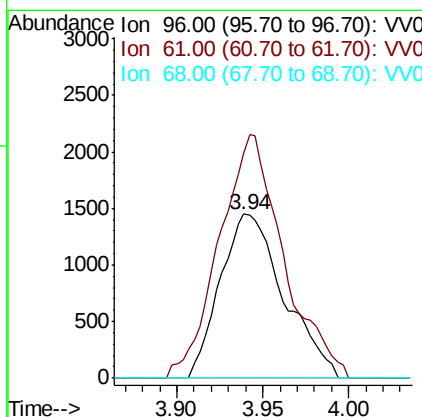
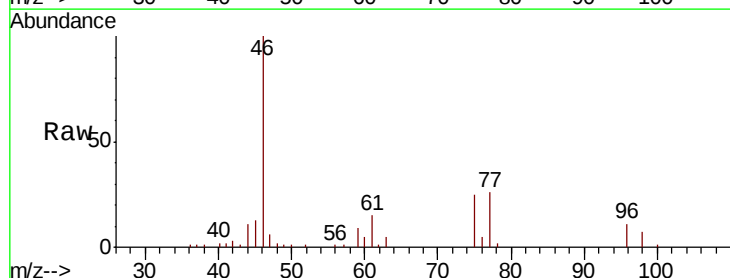
Manual Integrations
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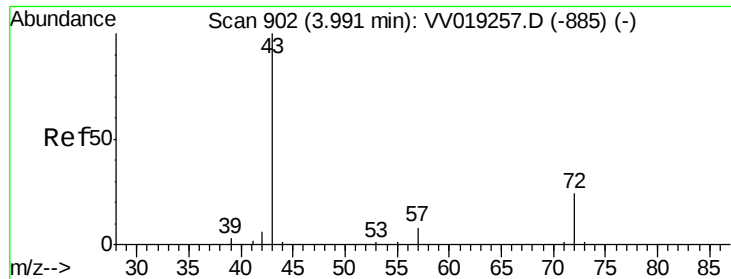
MMDadoda
 11/6/2020 11:04:00 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.616 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:	96	Resp:	3742
Ion	Ratio	Lower	Upper
96	100		
61	137.0	95.6	177.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.780 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.04 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 43 Resp: 3431

Ion Ratio Lower Upper

43 100

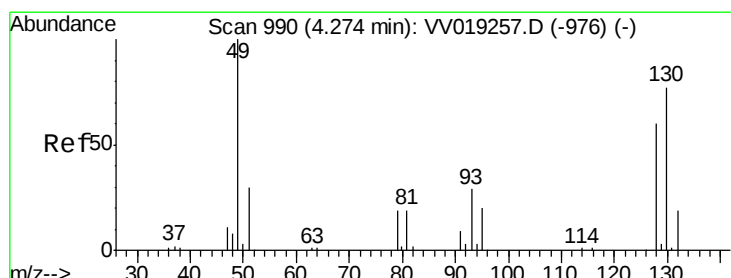
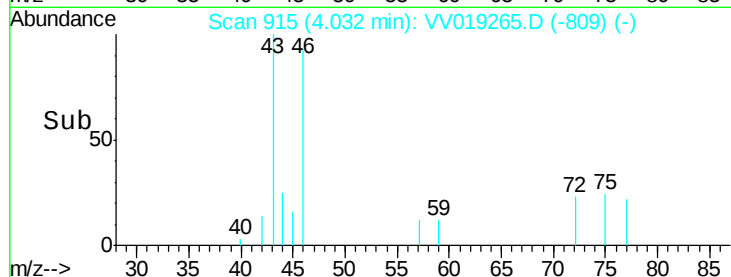
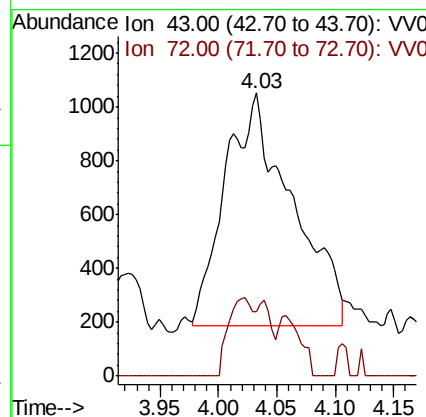
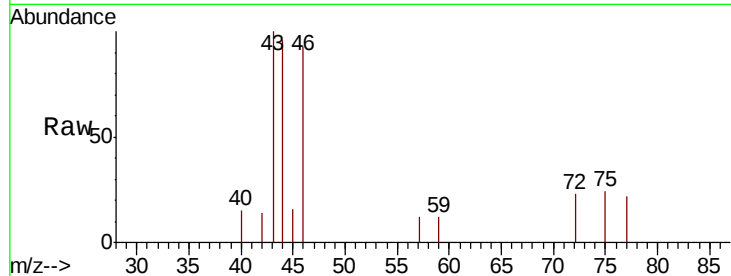
72 0.0 12.7 38.0#

Manual Integrations

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MMDadoda

11/6/2020 11:04:00 AM



#23

Bromochloromethane

Concen: 2.564 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tgt Ion: 128 Resp: 2019

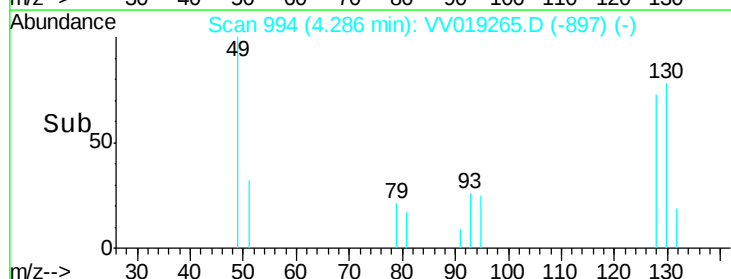
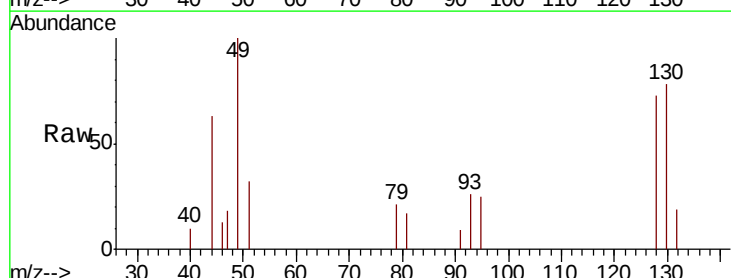
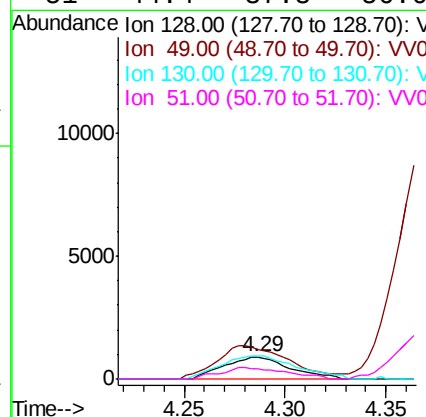
Ion Ratio Lower Upper

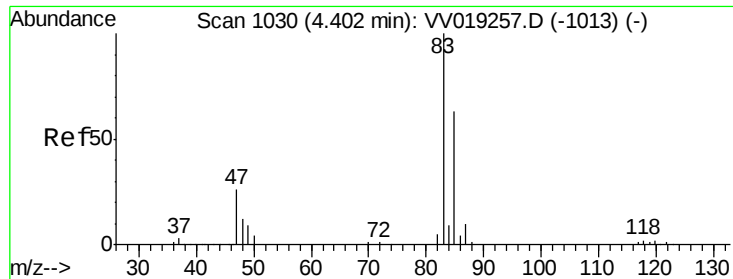
128 100

49 136.9 108.8 202.2

130 107.4 88.5 164.3

51 44.4 37.8 56.6





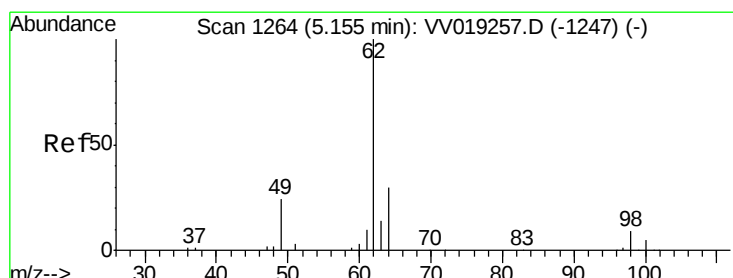
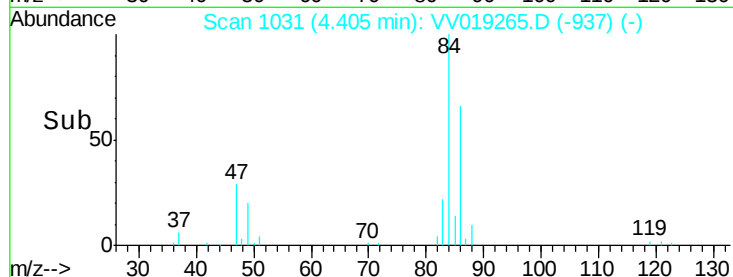
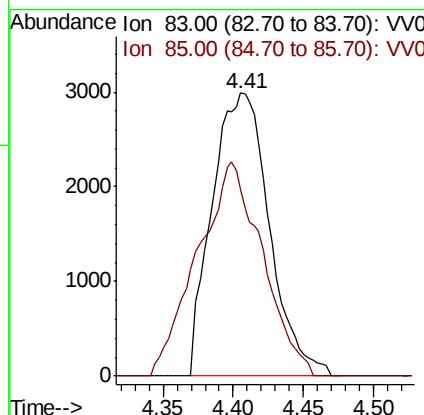
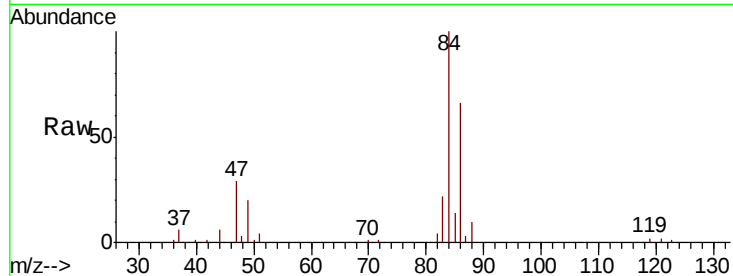
#25
Chloroform
Concen: 3.125 ug/L m
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion: 83 Resp: 8495
Ion Ratio Lower Upper
83 100
85 66.1 45.4 84.4

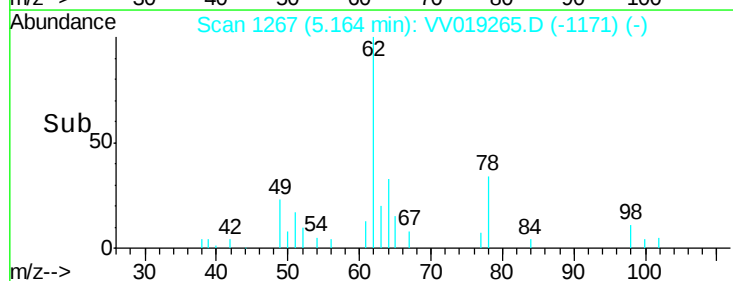
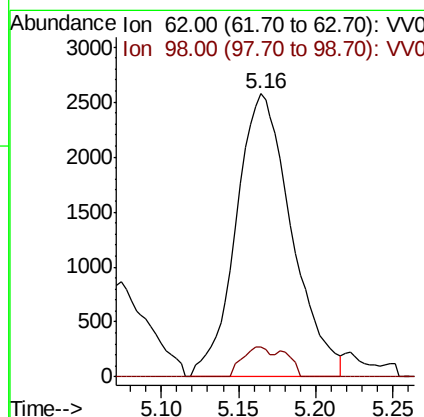
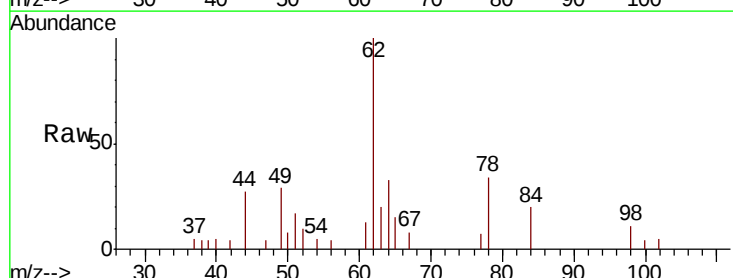
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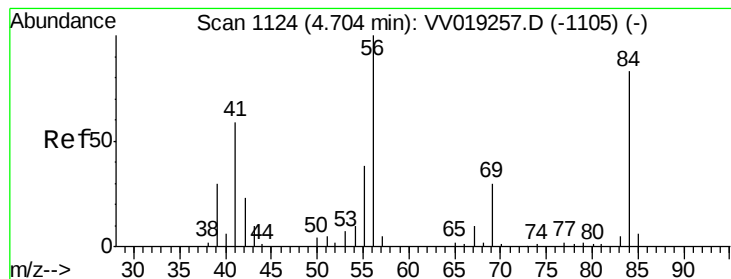
MMDadoda
11/6/2020 11:04:00 AM



#27
1,2-Dichloroethane
Concen: 2.781 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 62 Resp: 6427
Ion Ratio Lower Upper
62 100
98 10.8 6.8 10.2#





#29

Cvclohexane

Concen: 2.310 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

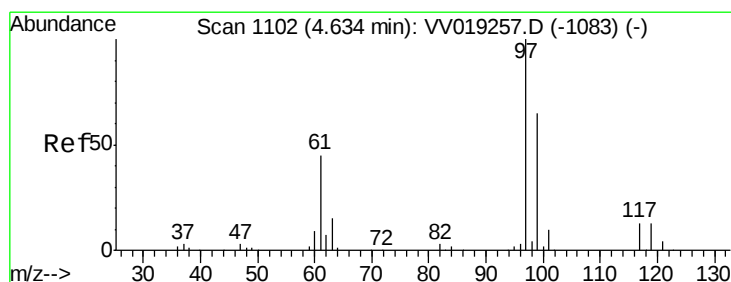
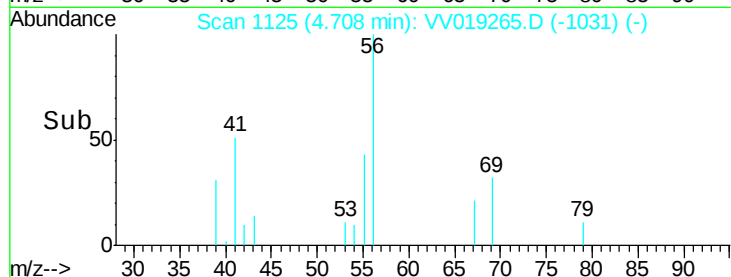
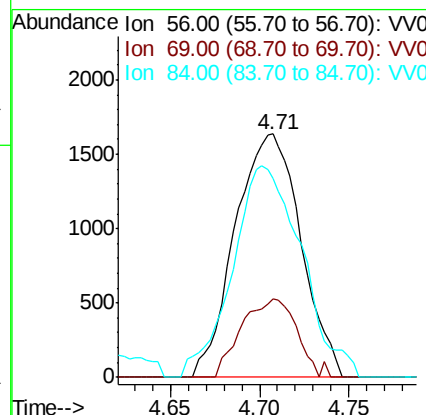
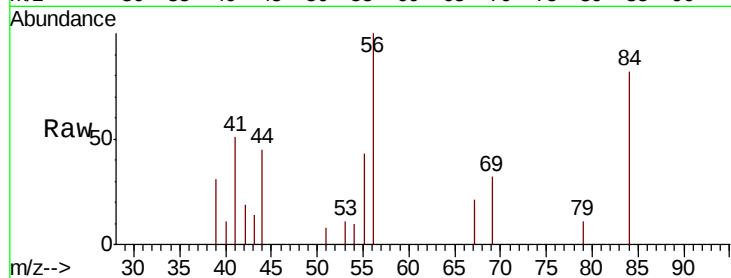
MDL-WATER-07

Tot Ion: 56 Resp: 4198

Ion	Ratio	Lower	Upper
56	100		
69	26.8	24.6	36.8
84	89.4	70.5	105.7

Manual Integrations
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MMDadoda
11/6/2020 11:04:00 AM



#30

1,1,1-Trichloroethane

Concen: 2.420 ug/L

RT: 4.64 min Scan# 1103

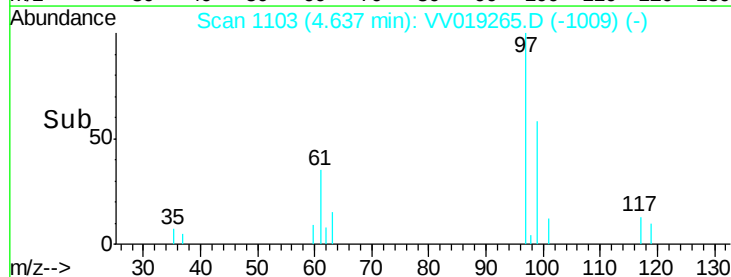
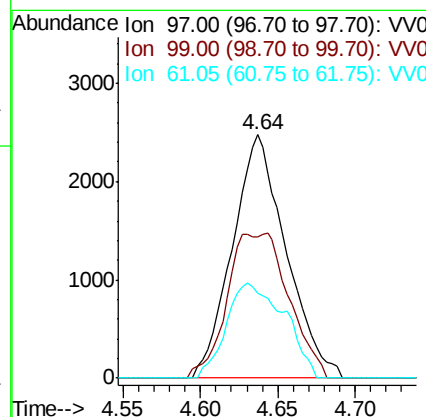
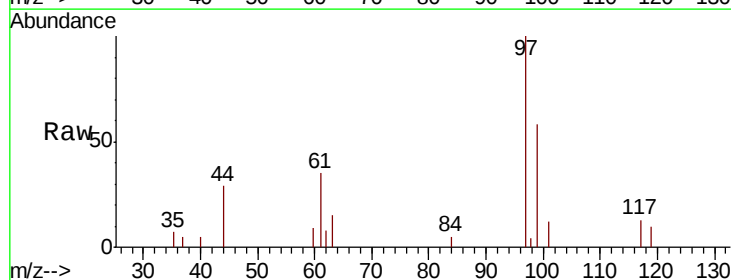
Delta R.T. 0.00 min

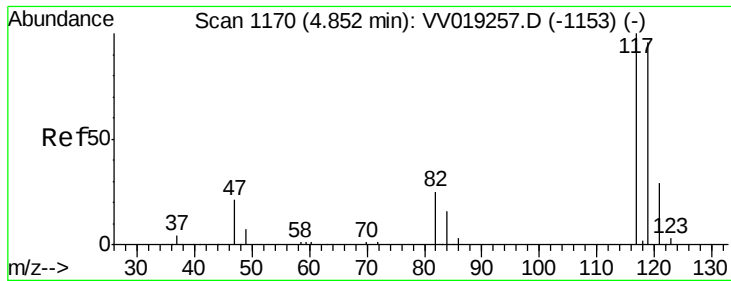
Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tgt Ion: 97 Resp: 5962

Ion	Ratio	Lower	Upper
97	100		
99	30.7	52.0	78.0#
61	34.9	35.3	52.9#





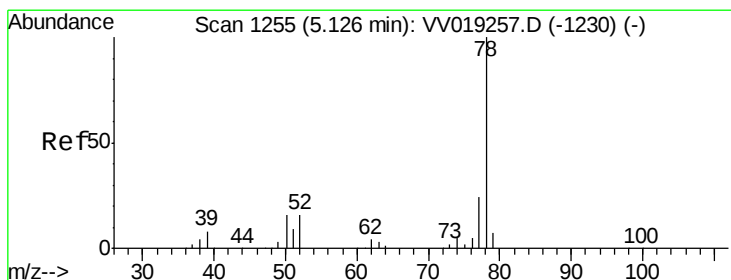
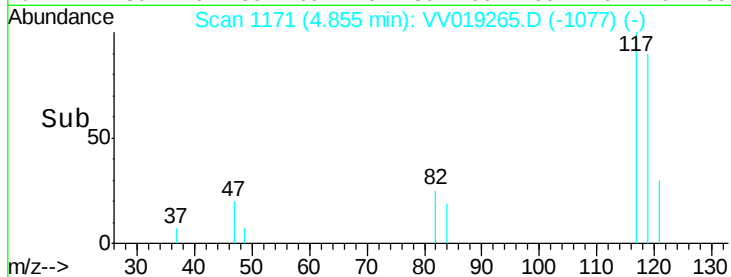
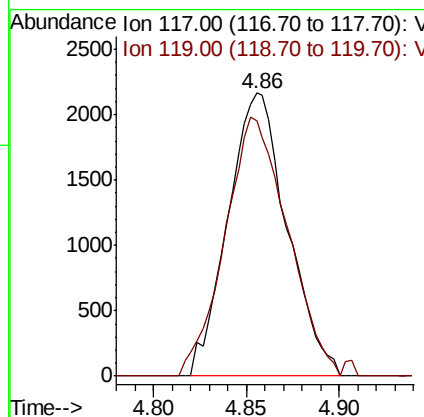
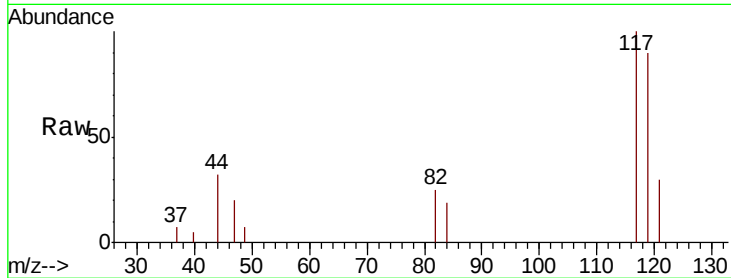
#31
Carbon tetrachloride
Concen: 2.256 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:117 Resp: 4798
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6

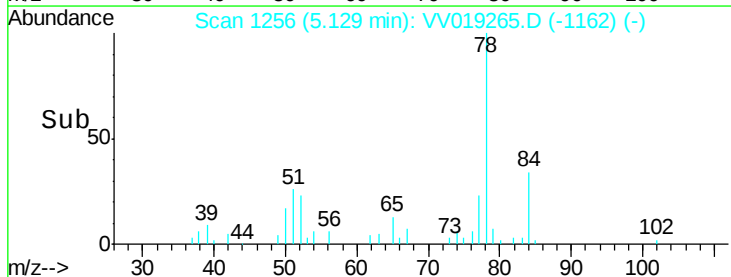
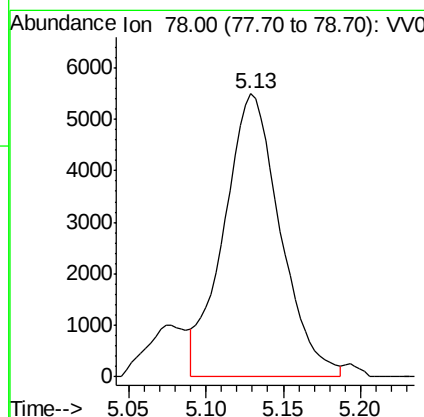
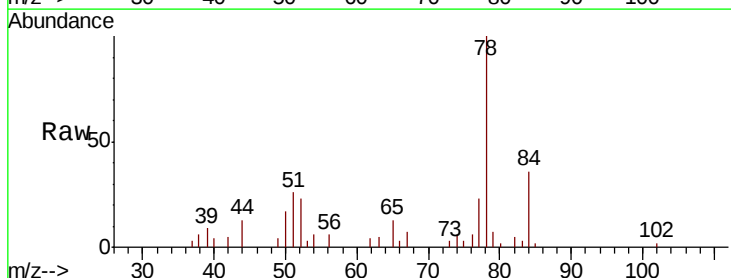
Manual Integrations
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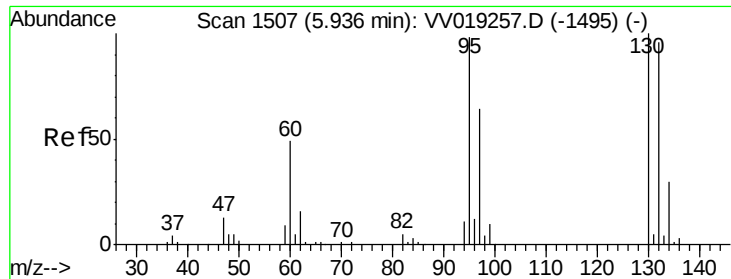
MMDadoda
11/6/2020 11:04:00 AM



#33
Benzene
Concen: 2.636 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 78 Resp: 13916





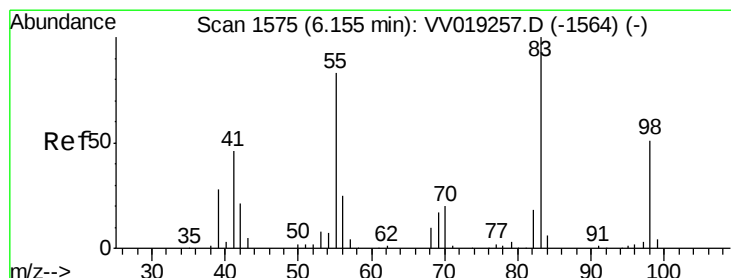
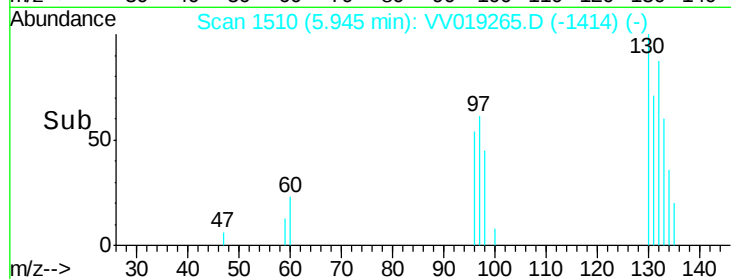
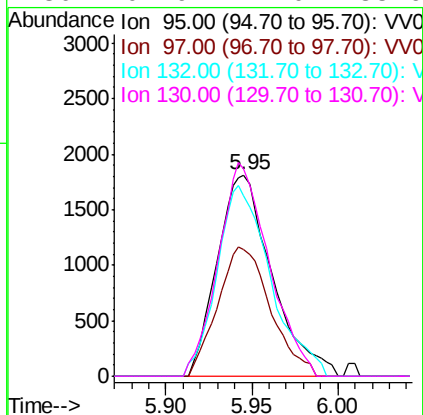
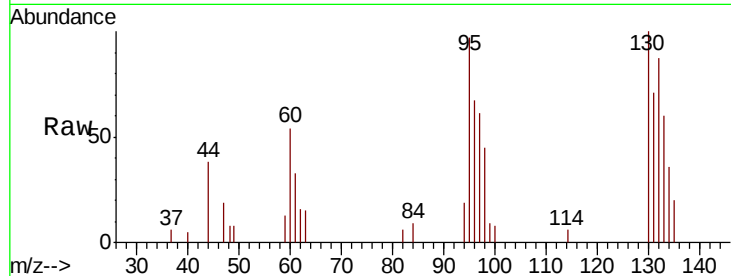
#34
 Trichloroethene
 Concen: 2.805 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.4	84.4
132	89.7	68.5	127.3
130	102.9	72.0	133.6

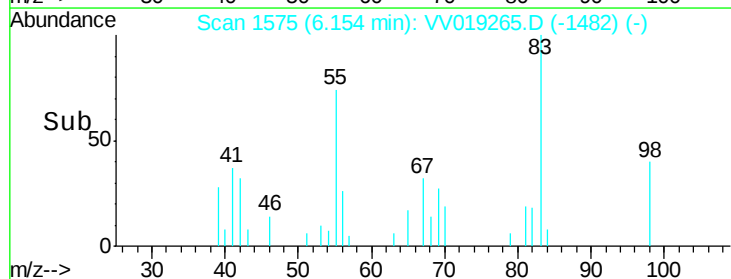
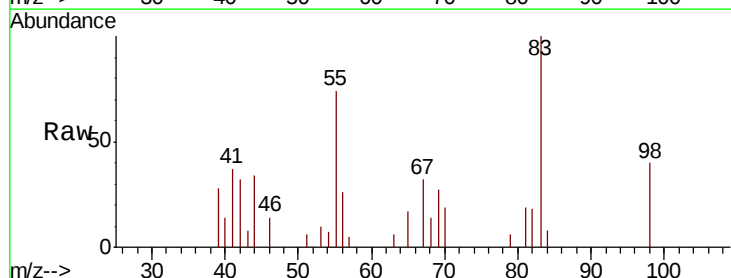
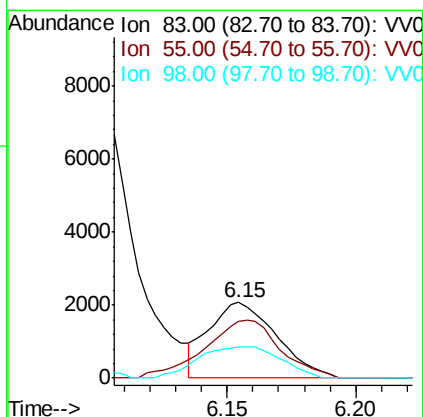
Manual Integrations
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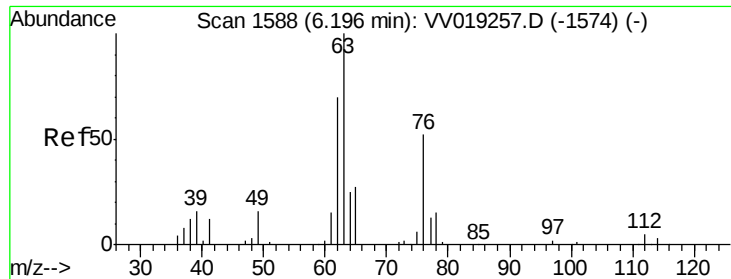
MMDadoda
 11/6/2020 11:04:00 AM



#35
 Methylcyclohexane
 Concen: 2.180 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.1	62.8	94.2
98	50.8	38.6	58.0





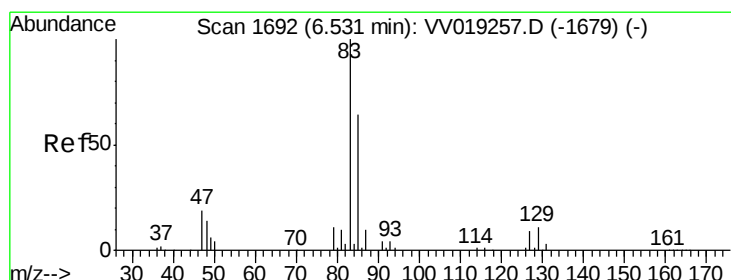
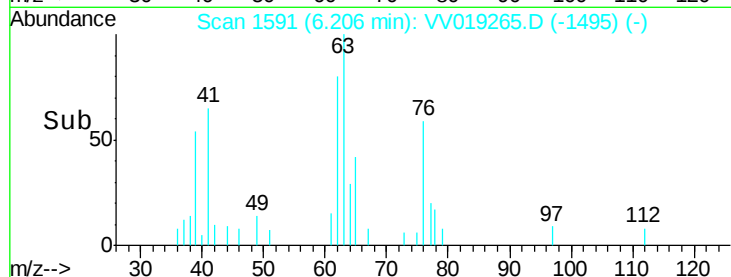
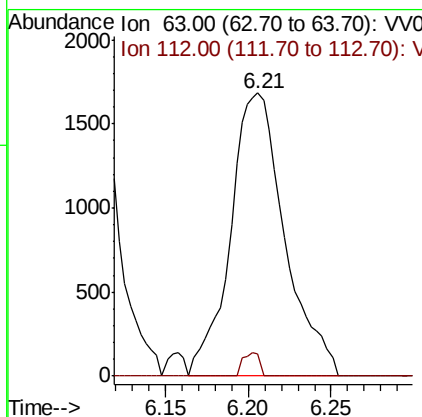
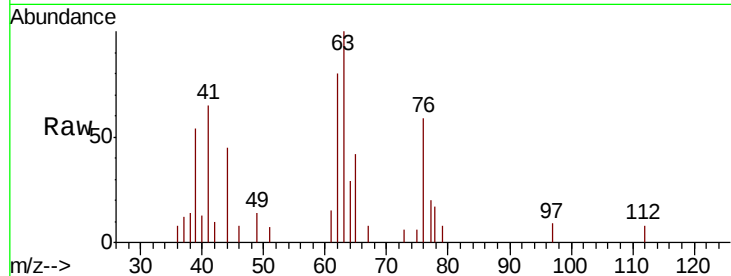
#37
 1,2-Dichloropropane
 Concen: 2.732 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 63 Resp: 3849
 Ion Ratio Lower Upper
 63 100
 112 2.5 4.2 6.2#

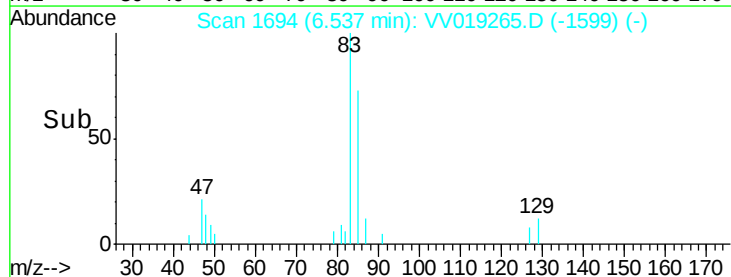
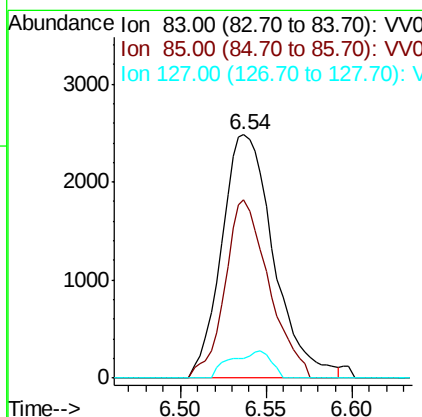
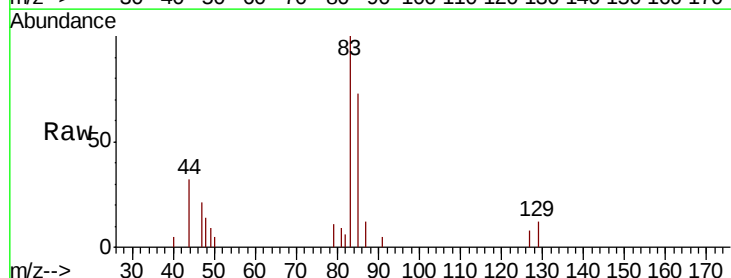
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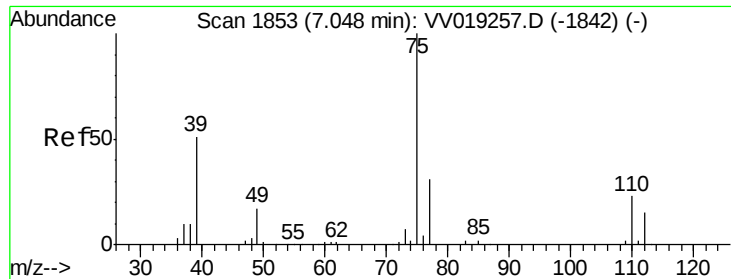
MMDadoda
 11/6/2020 11:04:00 AM



#38
 Bromodichloromethane
 Concen: 2.589 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 83 Resp: 5249
 Ion Ratio Lower Upper
 83 100
 85 73.2 44.0 81.8
 127 7.9 7.3 10.9





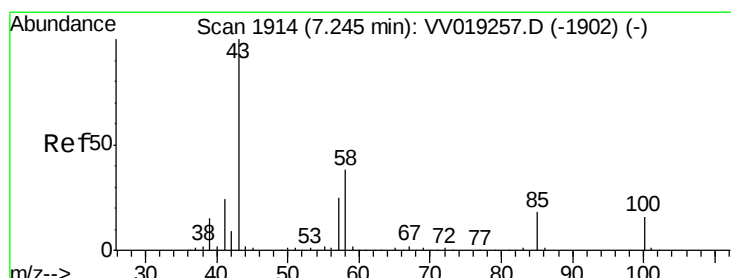
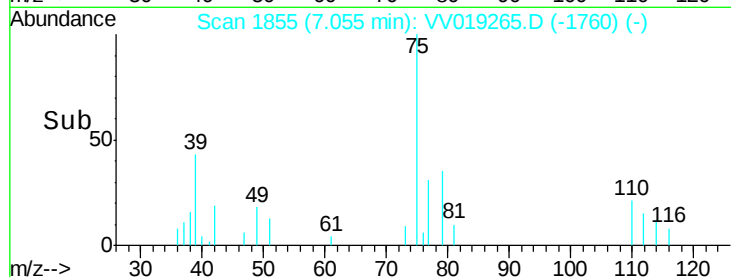
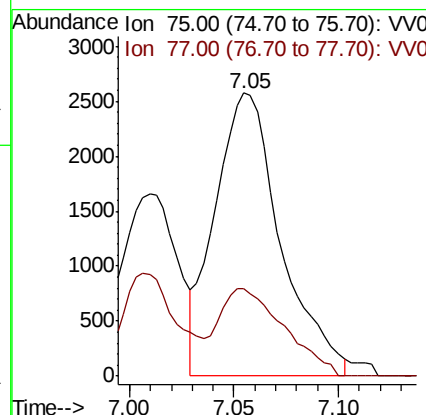
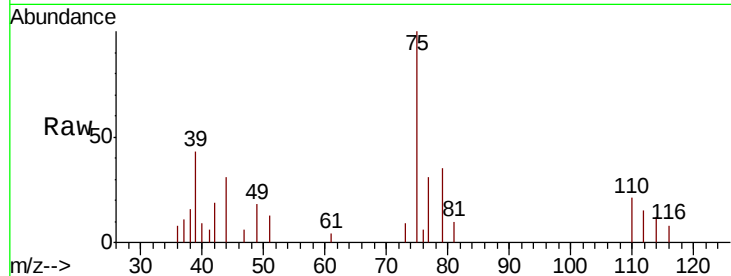
#39
 cis-1,3-Dichloropropene
 Concen: 2.502 ug/L m
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 75 Resp: 5640
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2

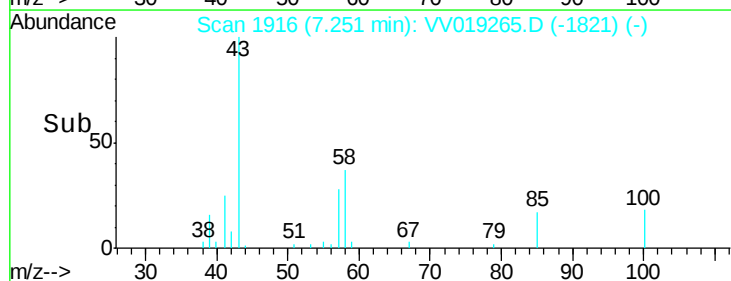
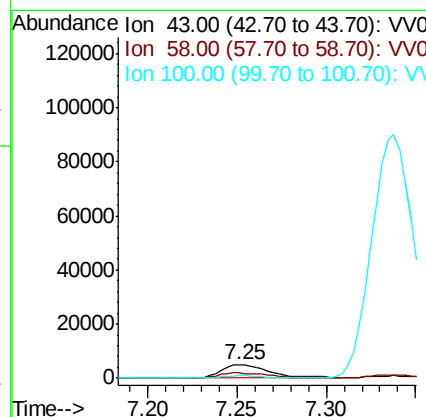
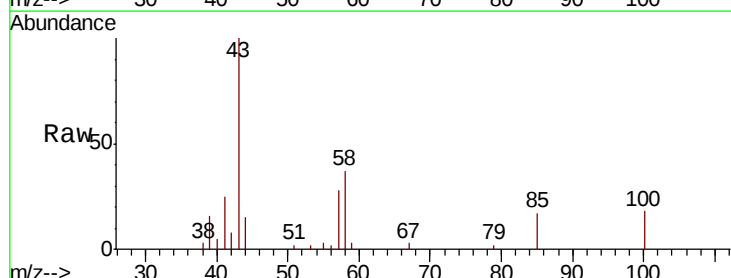
Manual Integrations
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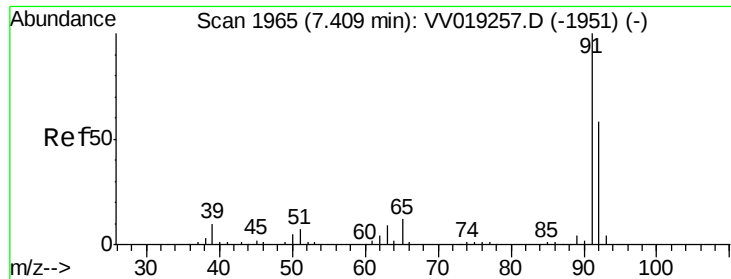
MMDadoda
 11/6/2020 11:04:00 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.950 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 43 Resp: 9368
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.5 45.7
 100 15.2 12.7 19.1





#42

Toluene

Concen: 2.722 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 91 Resp: 15532

Ion Ratio Lower Upper

91 100

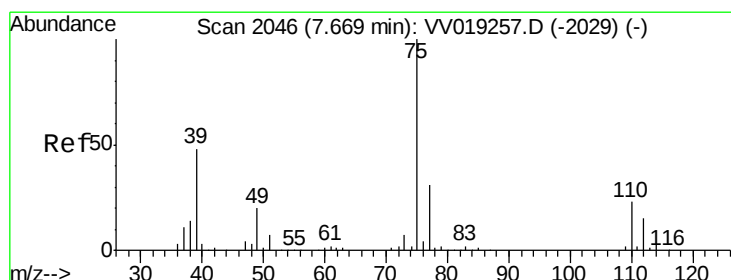
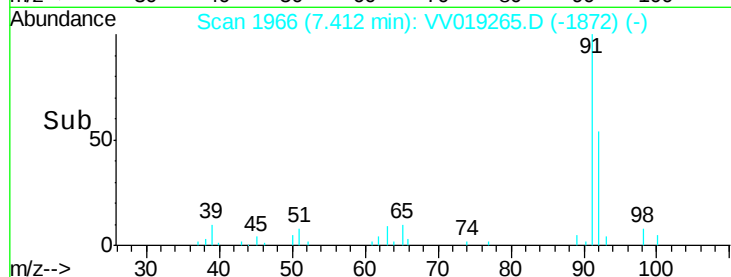
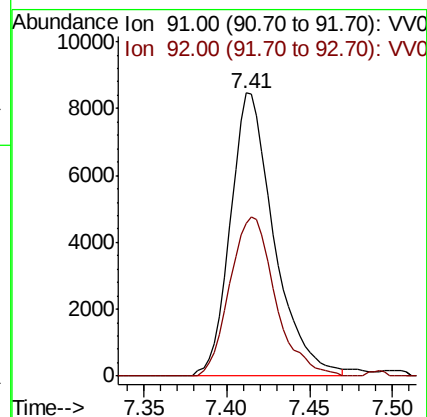
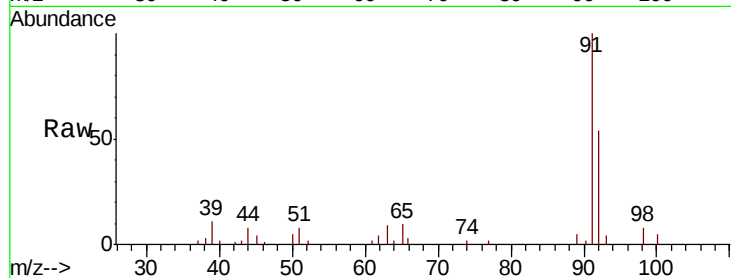
92 54.1 40.6 75.4

Manual Integrations

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MMDadoda

11/6/2020 11:04:00 AM



#44

trans-1,3-Dichloropropene

Concen: 2.361 ug/L m

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019265.D

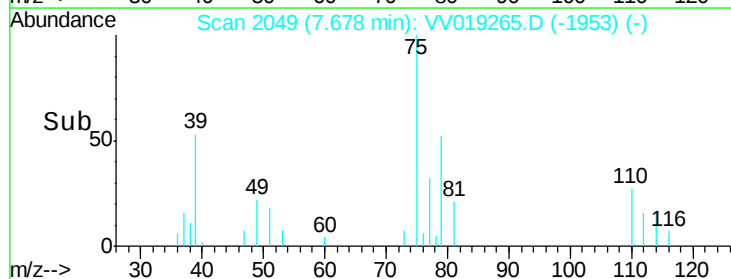
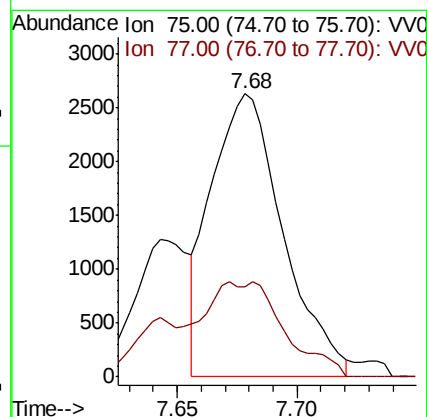
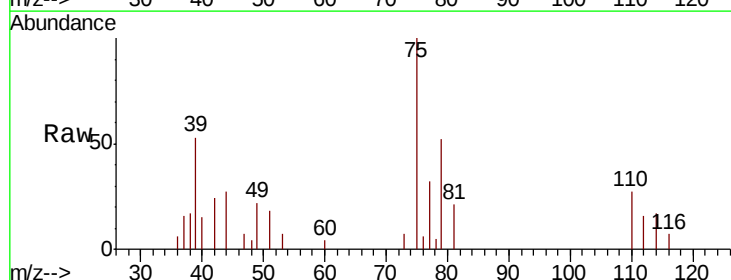
Acq: 05 Nov 2020 00:44

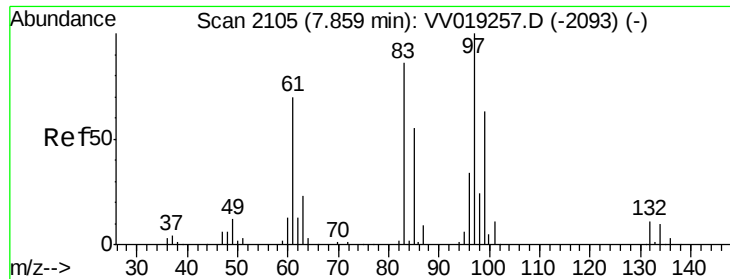
Tgt Ion: 75 Resp: 5454

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2





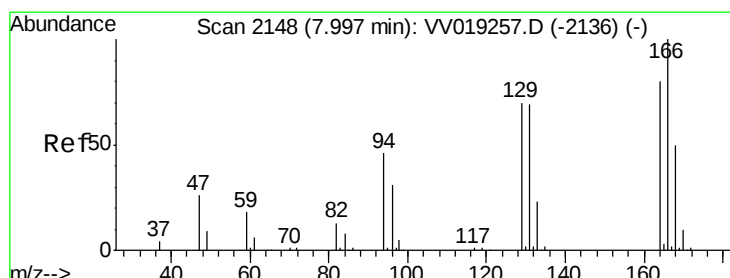
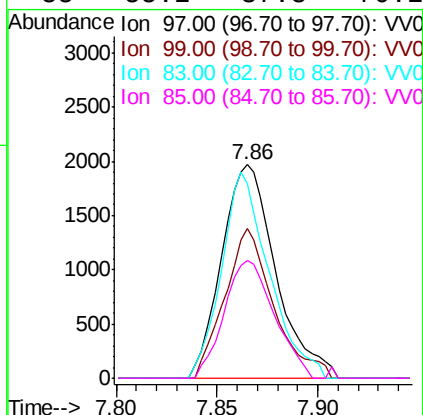
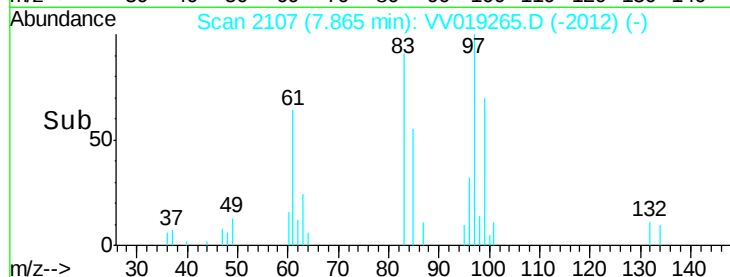
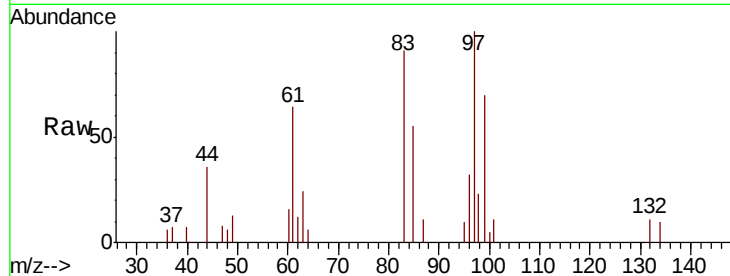
#45
1,1,2-Trichloroethane
Concen: 2.648 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:	97	Resp:	3687
Ion	Ratio	Lower	Upper
97	100		
99	69.8	45.1	83.9
83	91.1	57.6	107.0
85	55.2	37.8	70.2

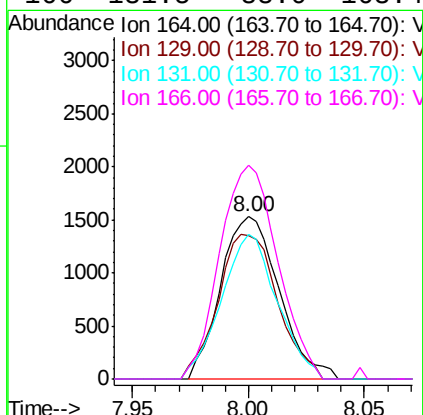
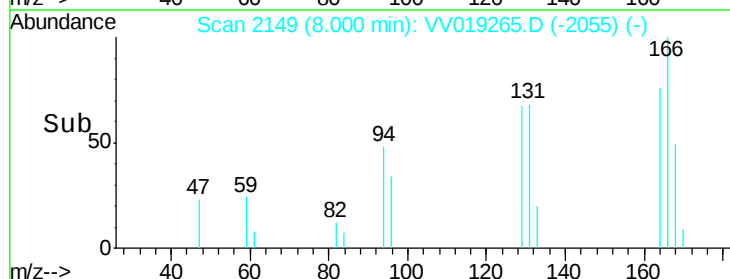
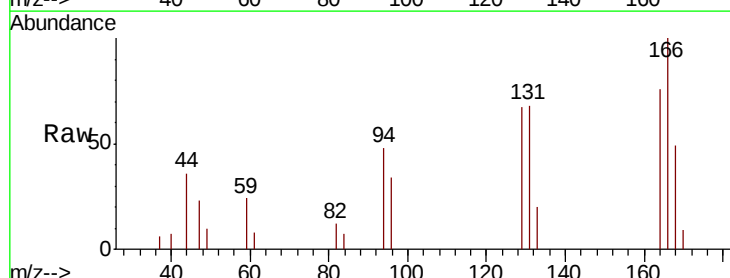
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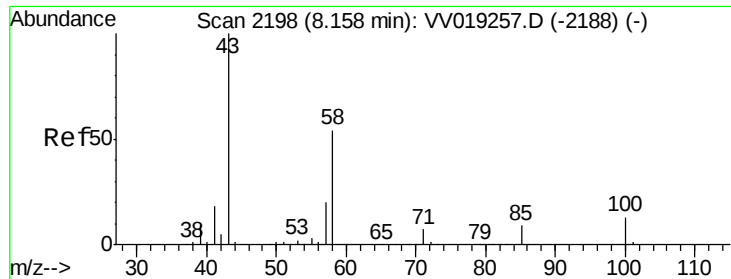
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#46
Tetrachloroethene
Concen: 2.294 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion:	164	Resp:	2685
Ion	Ratio	Lower	Upper
164	100		
129	88.2	62.6	116.3
131	89.2	59.0	109.6
166	131.5	88.0	163.4





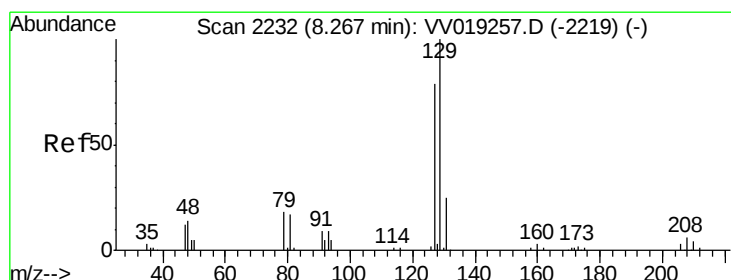
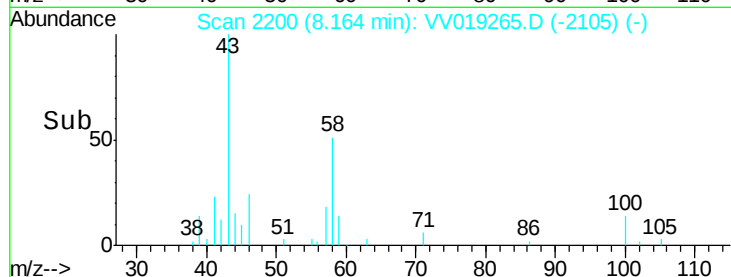
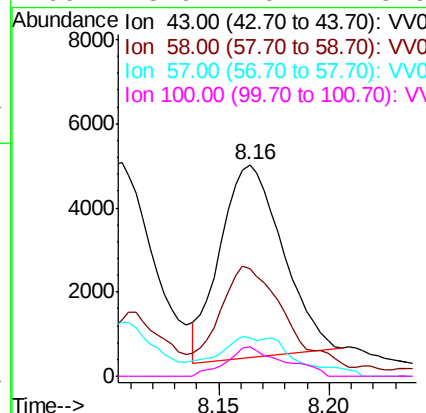
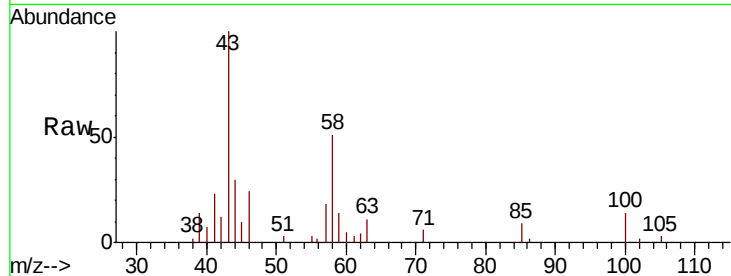
#48
2-Hexanone
Concen: 6.296 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	42.6	63.8
57	6.9	15.8	23.8
100	13.9	10.4	15.6

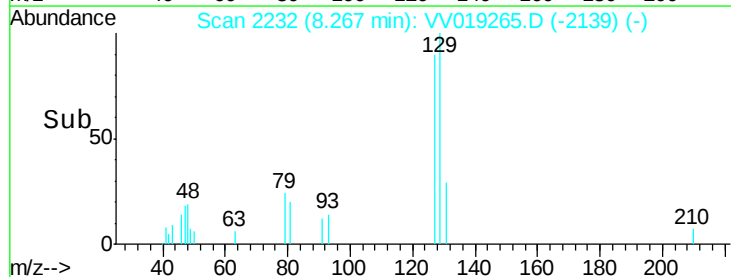
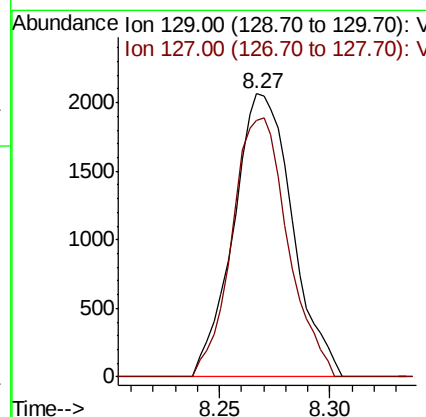
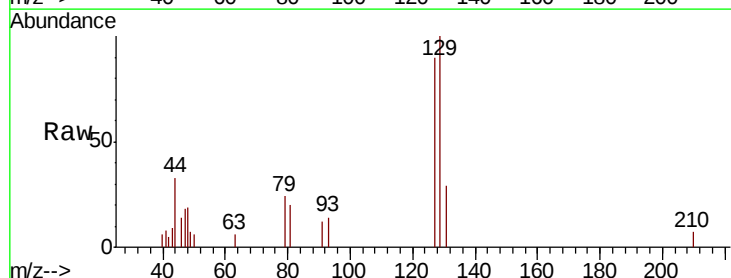
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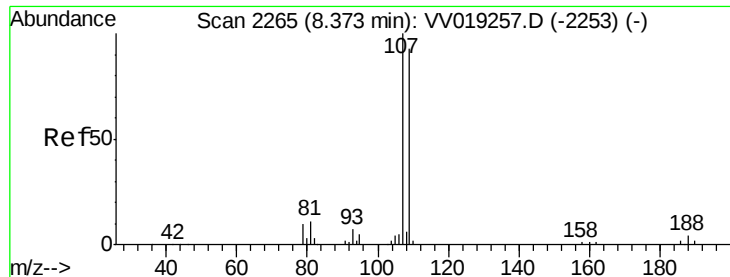
MMDadoda
11/6/2020 11:04:00 AM



#49
Dibromochloromethane
Concen: 2.305 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	90.4	54.4	101.0





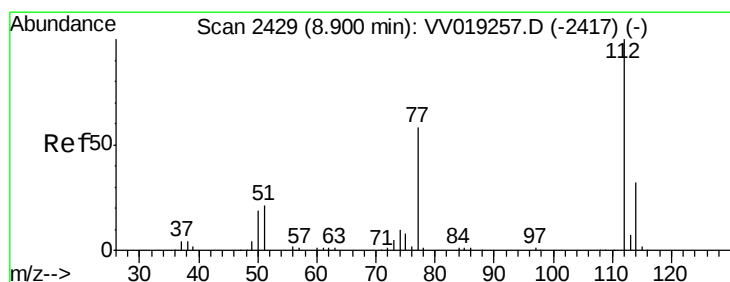
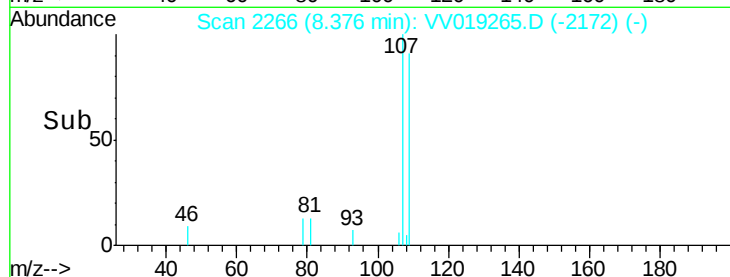
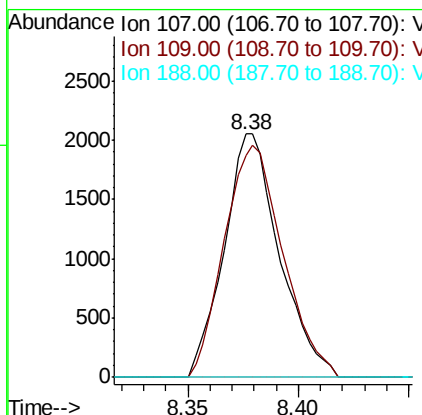
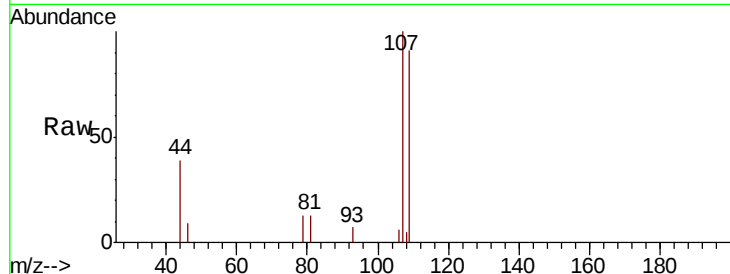
#50
 1,2-Dibromoethane
 Concen: 2.478 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	64.8	120.4
188	0.0	3.8	5.8#

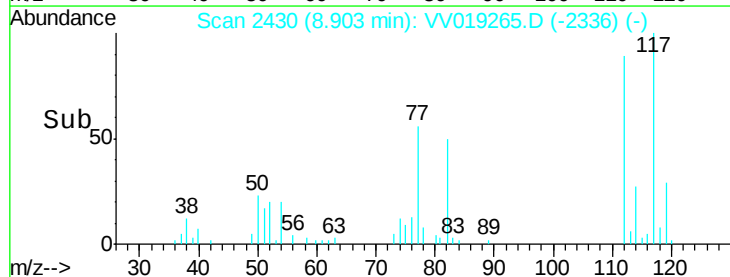
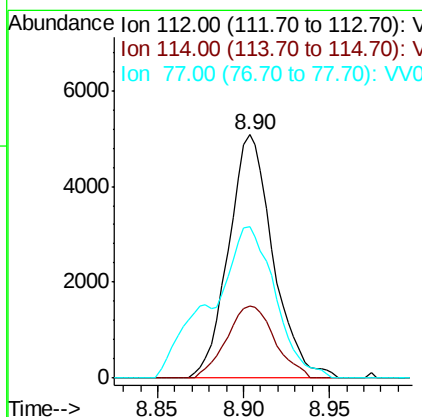
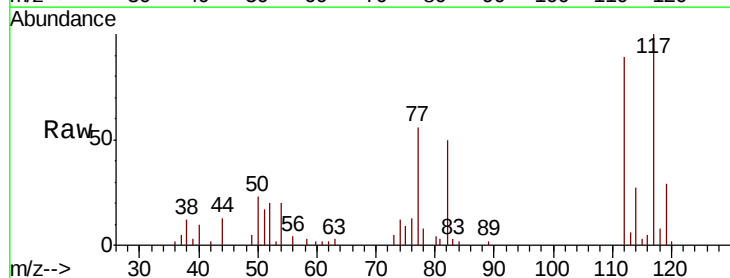
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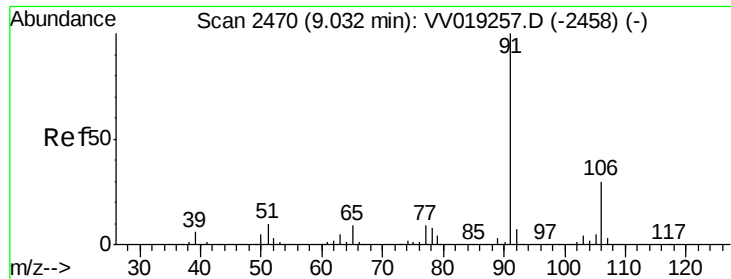
MMDadoda
 11/6/2020 11:04:00 AM



#51
 Chlorobenzene
 Concen: 2.398 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.8	22.7	42.1
77	62.4	47.3	70.9





#52

Ethylbenzene

Concen: 2.273 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tot Ion: 91 Resp: 14311

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0

Instrument :

MSVOA_V

ClientSampleId :

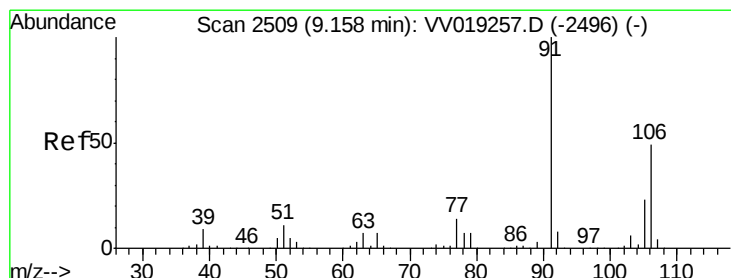
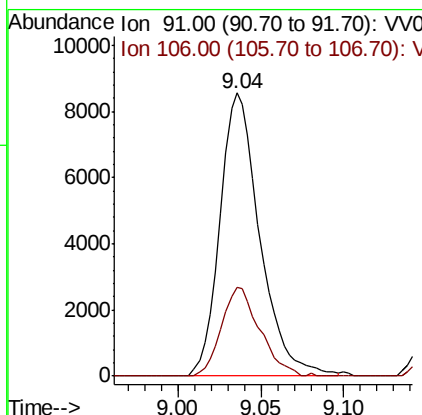
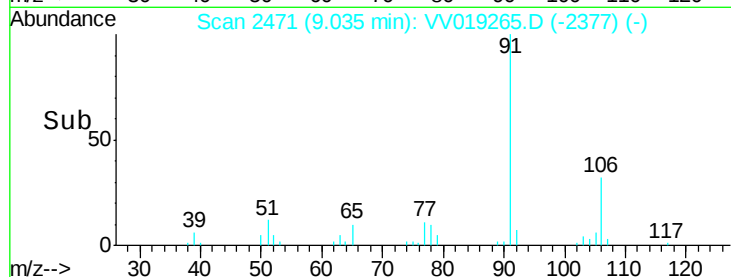
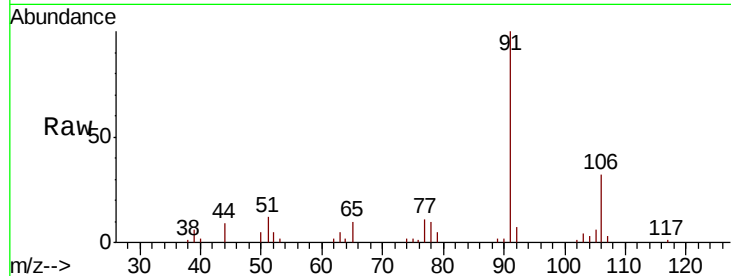
MDL-WATER-07

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#53

m,p-Xylene

Concen: 2.080 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019265.D

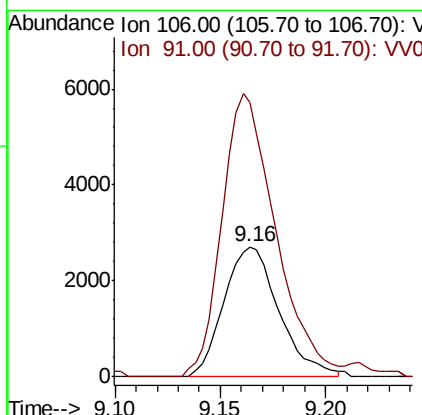
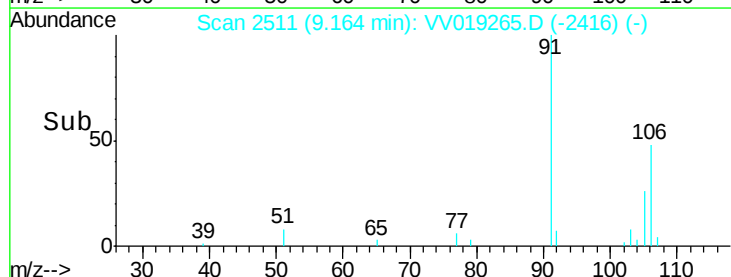
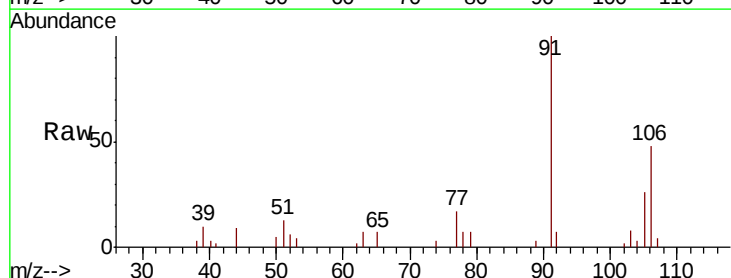
Acq: 05 Nov 2020 00:44

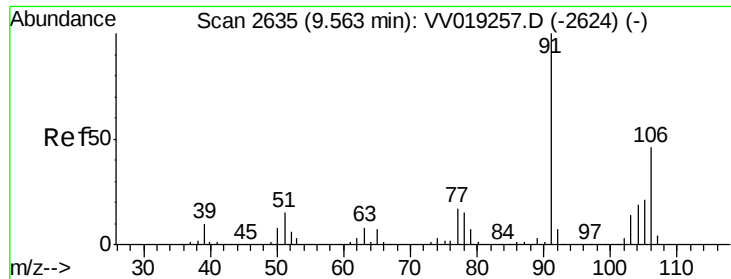
Tgt Ion: 106 Resp: 4902

Ion Ratio Lower Upper

106 100

91 210.5 147.2 273.4





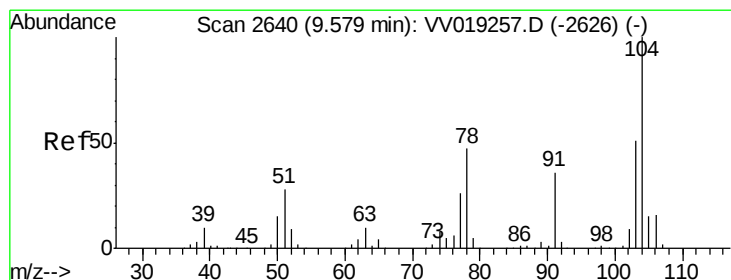
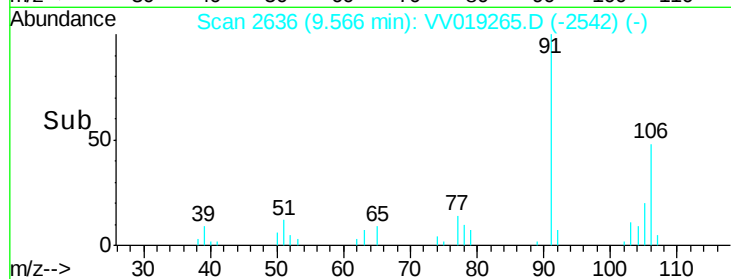
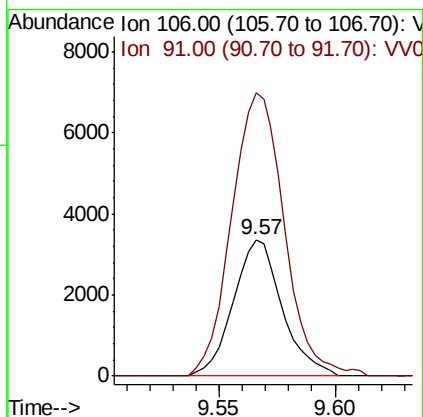
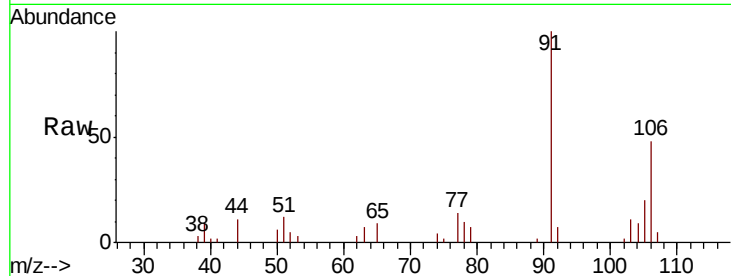
#54
o-Xylene
Concen: 2.121 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:106 Resp: 4928
Ion Ratio Lower Upper
106 100
91 207.0 151.6 281.6

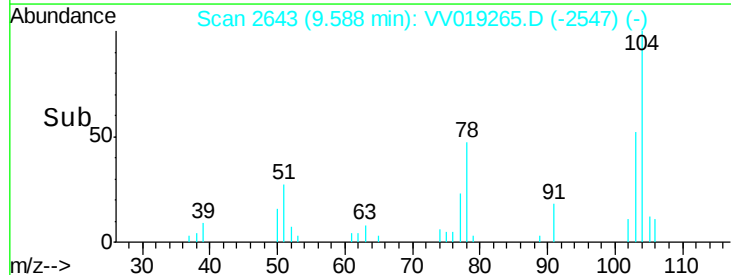
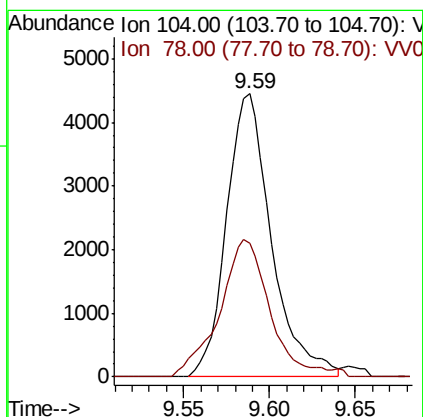
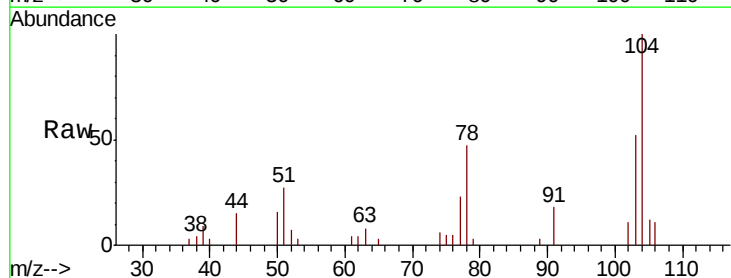
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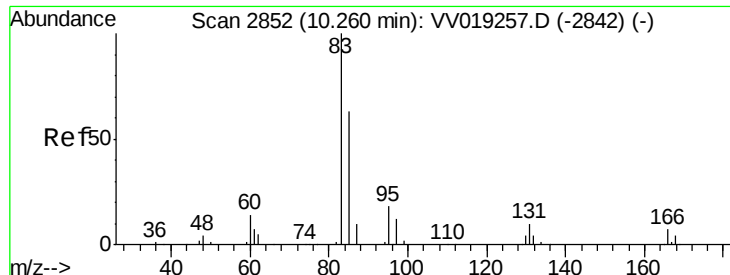
MMDadoda
11/6/2020 11:04:00 AM



#55
Styrene
Concen: 1.958 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion:104 Resp: 8098
Ion Ratio Lower Upper
104 100
78 47.3 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.752 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

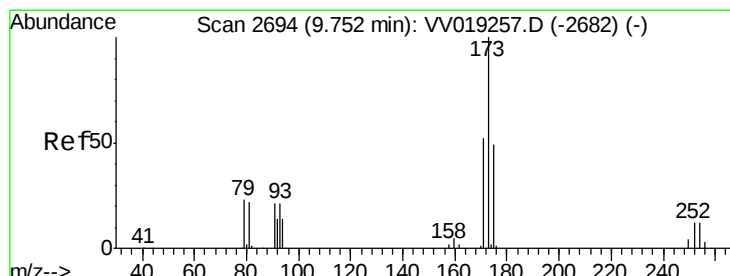
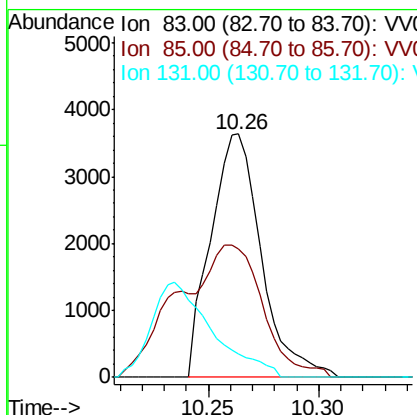
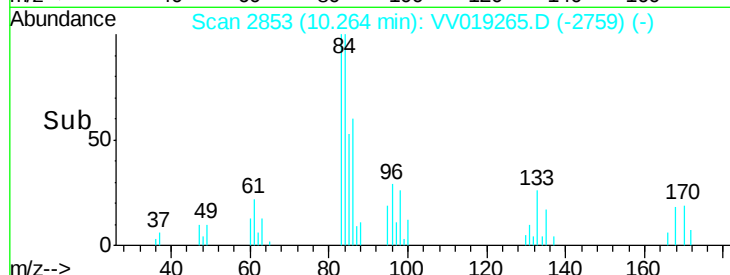
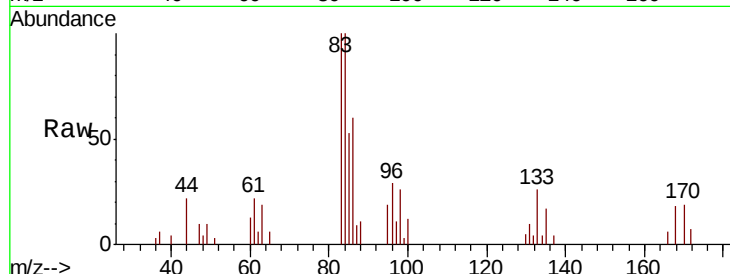
ClientSampleId :

MDL-WATER-07

Tot Ion:	83	Resp:	5797
Ion	Ratio	Lower	Upper
83	100		
85	52.5	45.0	83.6
131	9.5	8.9	13.3

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#59

Bromoform

Concen: 2.565 ug/L

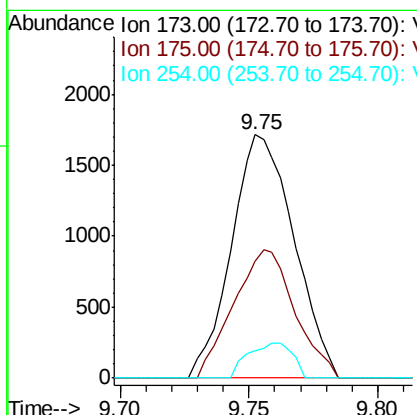
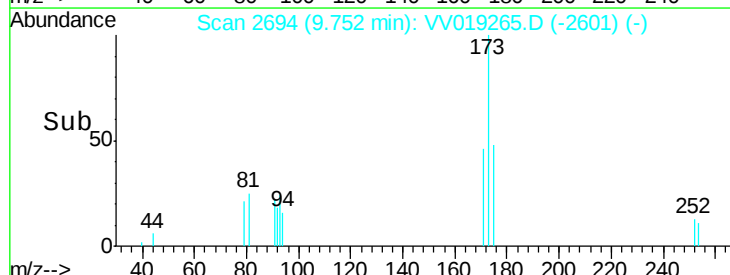
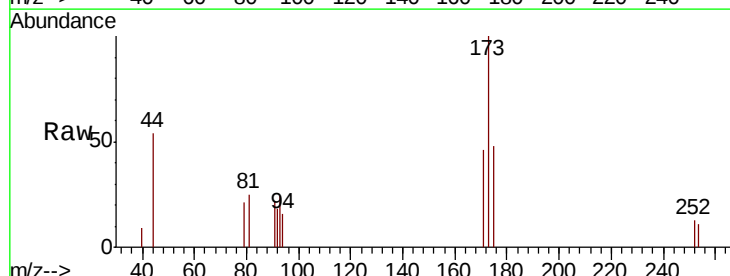
RT: 9.75 min Scan# 2694

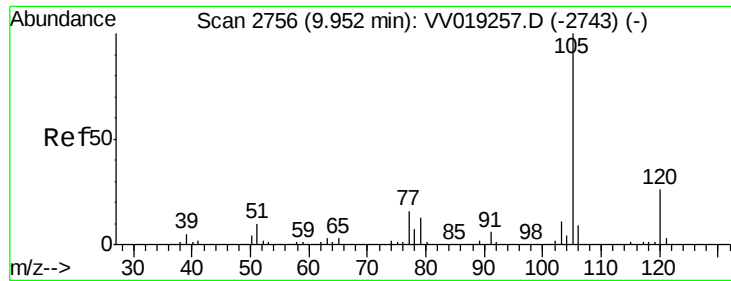
Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tgt Ion:	173	Resp:	2891
Ion	Ratio	Lower	Upper
173	100		
175	51.7	38.4	57.6
254	10.3	9.0	13.6





#60

Isopropylbenzene

Concen: 2.288 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

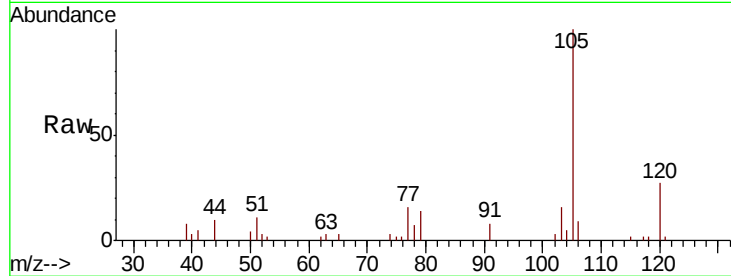
ClientSampleId :

MDL-WATER-07

Tot Ion:	105	Resp:	12178
Ion Ratio	Lower	Upper	
105	100		
120	25.7	21.0	31.4
77	15.4	13.0	19.6

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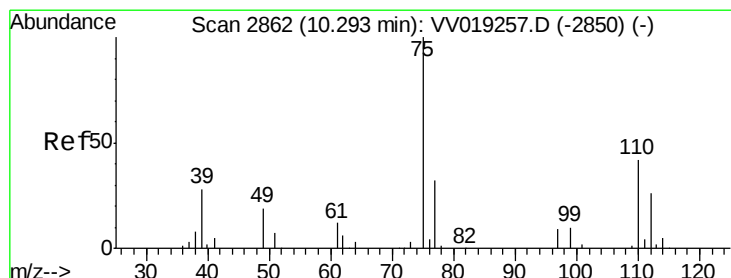
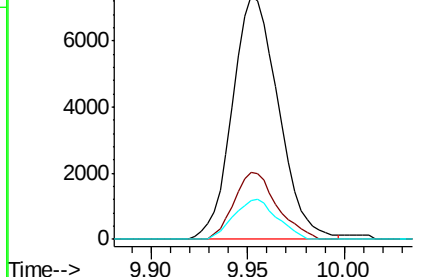
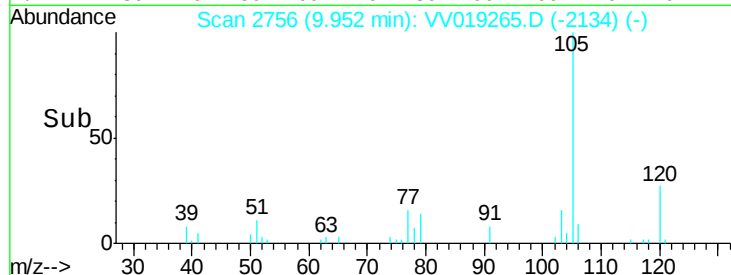
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Abundance Ion 105.00 (104.70 to 105.70): VV019257.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV019257.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2743) (-)



#61

1,2,3-Trichloropropane

Concen: 3.198 ug/L

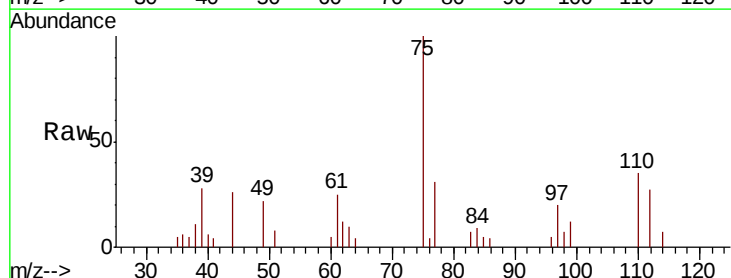
RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

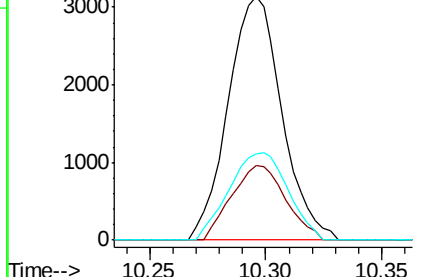
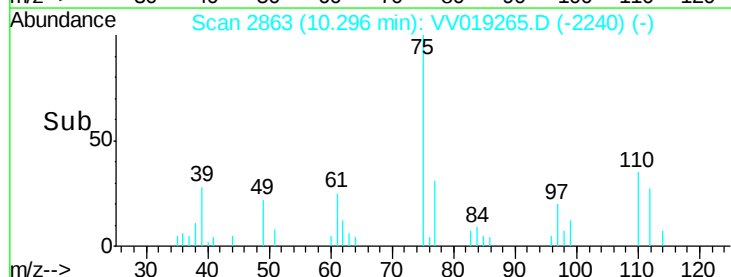
Tgt Ion:	75	Resp:	5047
Ion Ratio	Lower	Upper	
75	100		
77	30.9	24.8	37.2
110	39.4	33.4	50.2

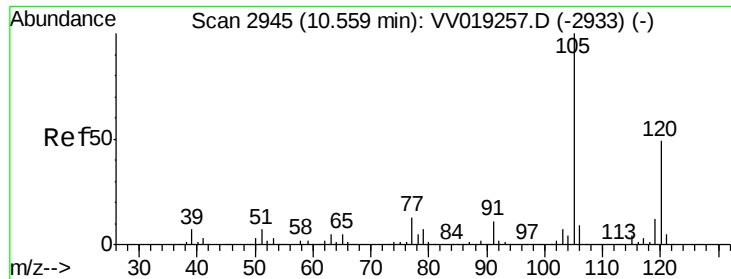


Abundance Ion 75.00 (74.70 to 75.70): VV019257.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2850) (-)

Ion 110.00 (109.70 to 110.70): VV019257.D (-2850) (-)





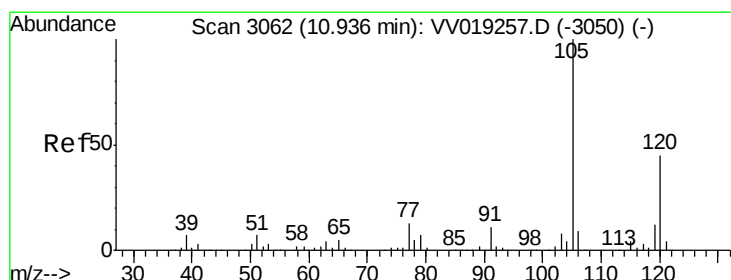
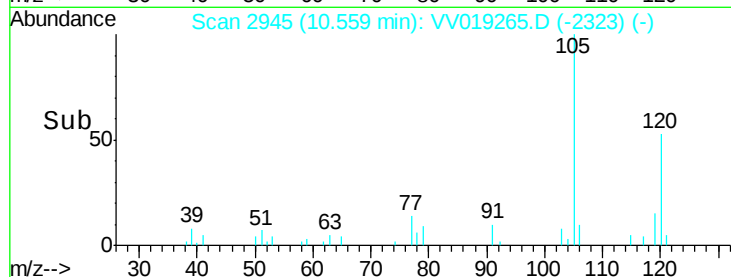
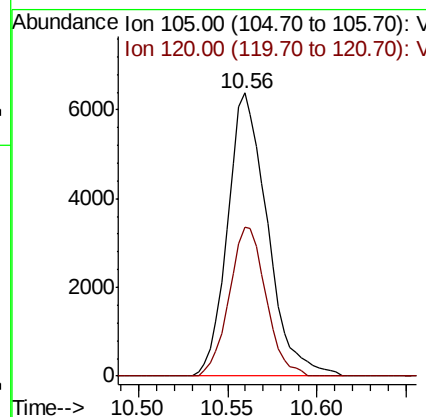
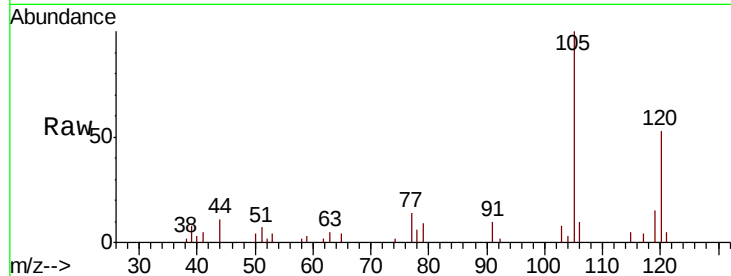
#62
 1,3,5-Trimethylbenzene
 Concen: 2.241 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:105 Resp: 9934
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.3 57.5

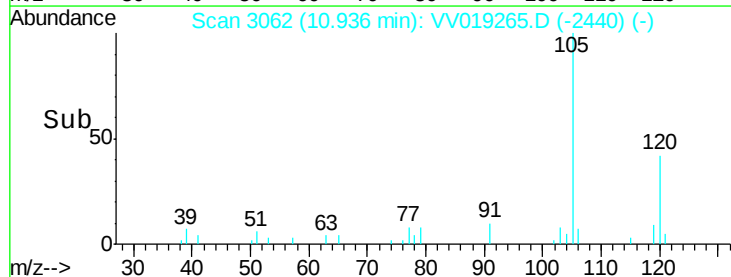
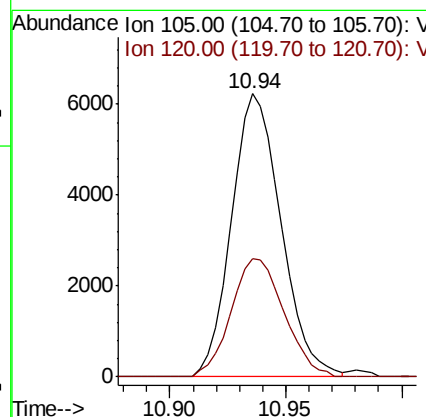
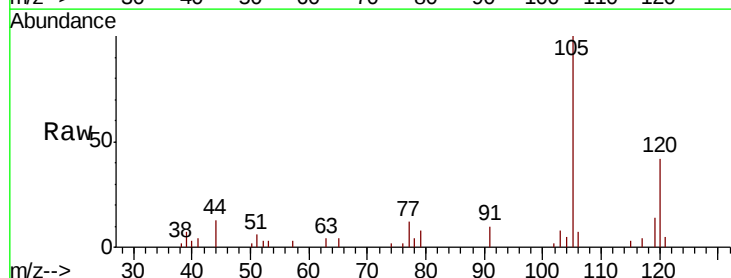
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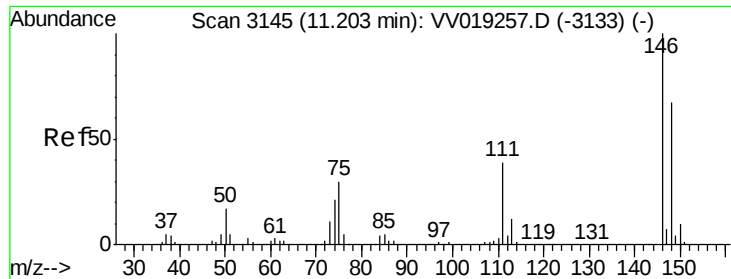
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.128 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:105 Resp: 9233
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.7 53.5





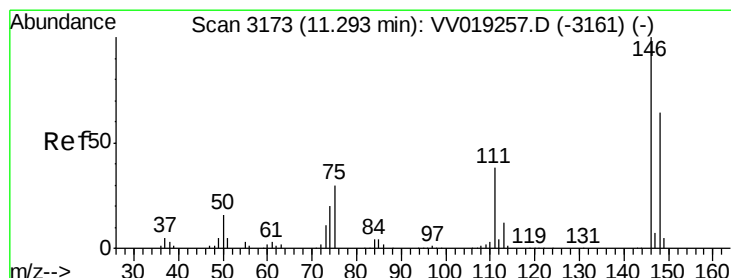
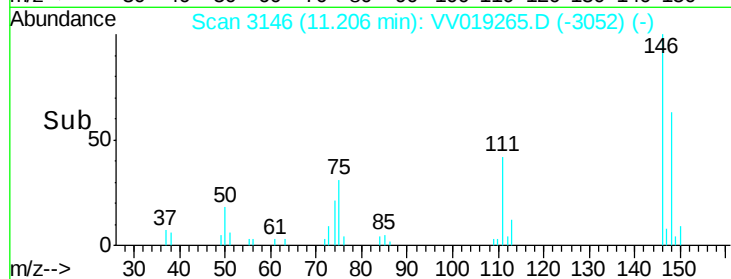
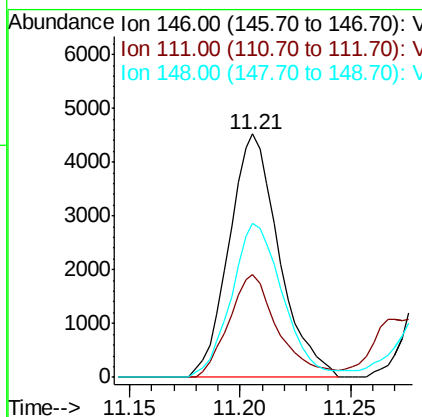
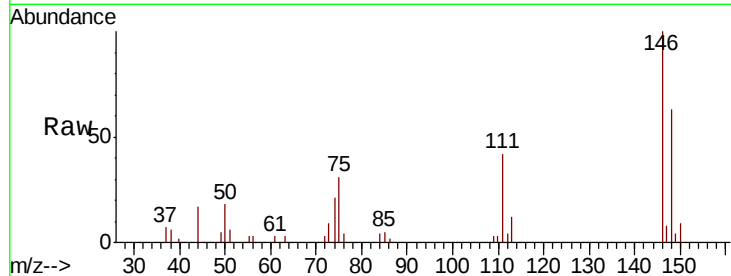
#64
 1,3-Dichlorobenzene
 Concen: 2.555 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	27.3	50.7
148	63.4	45.2	84.0

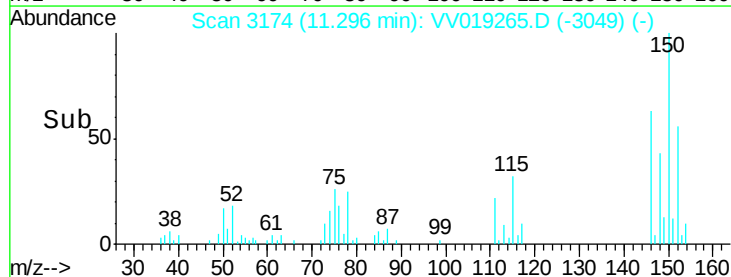
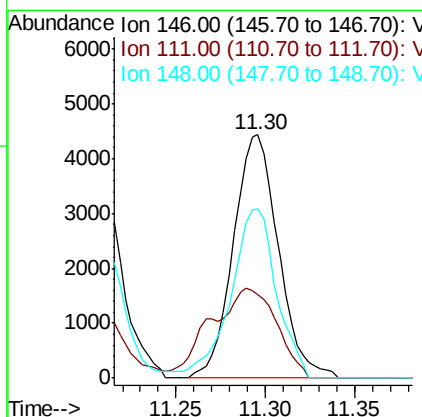
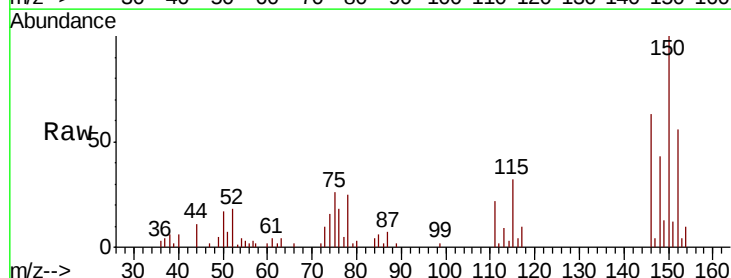
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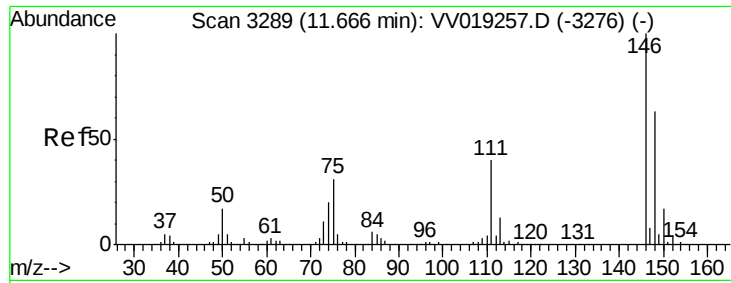
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#65
 1,4-Dichlorobenzene
 Concen: 2.723 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	25.9	48.1
148	69.5	44.9	83.5





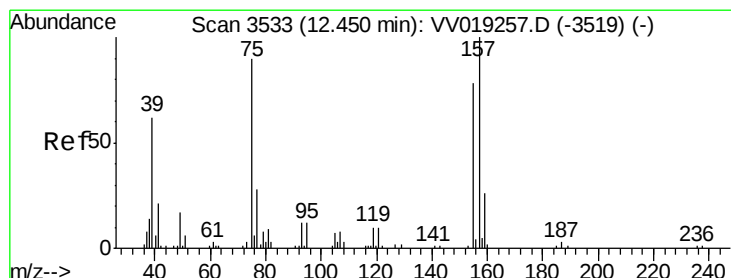
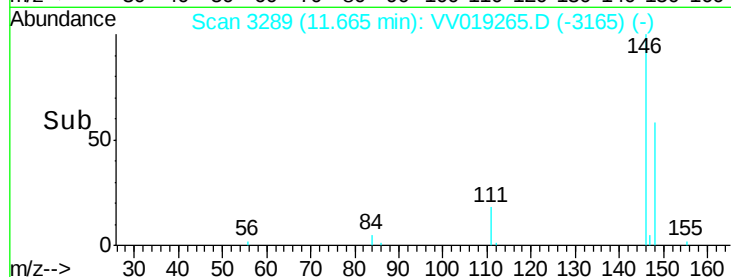
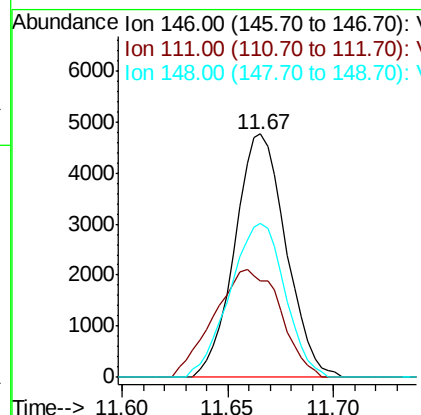
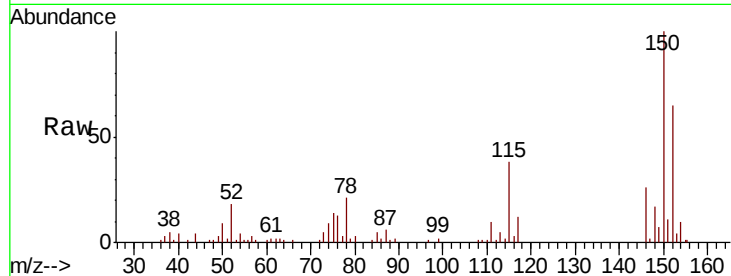
#67
 1,2-Dichlorobenzene
 Concen: 2.816 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	32.6	48.8
148	63.4	50.1	75.1

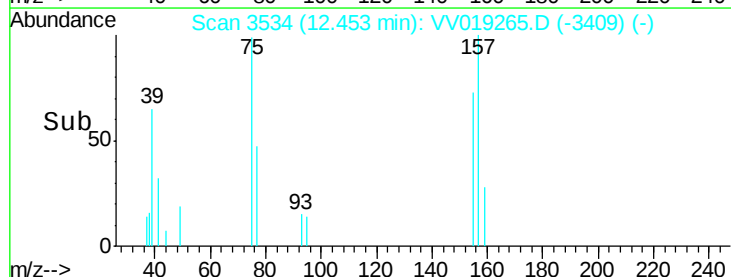
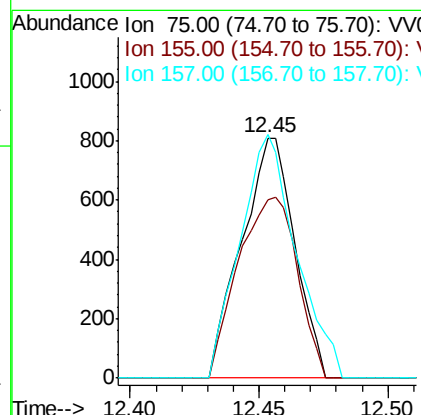
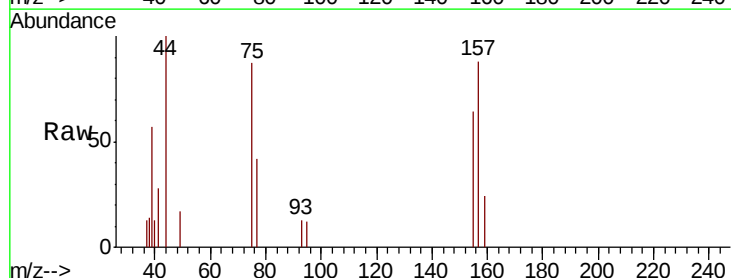
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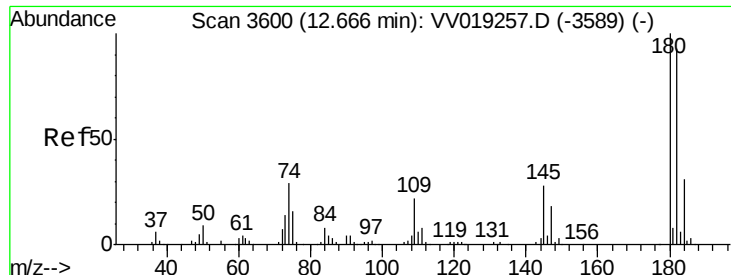
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.535 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	65.8	98.6
157	101.4	86.3	129.5





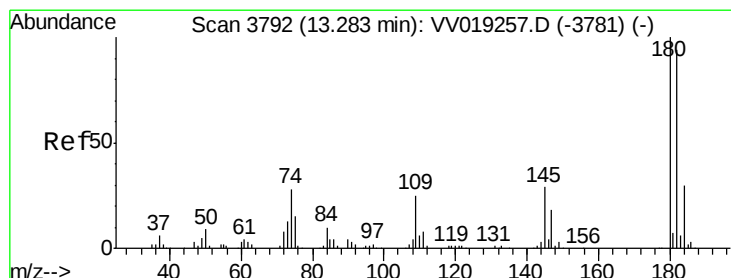
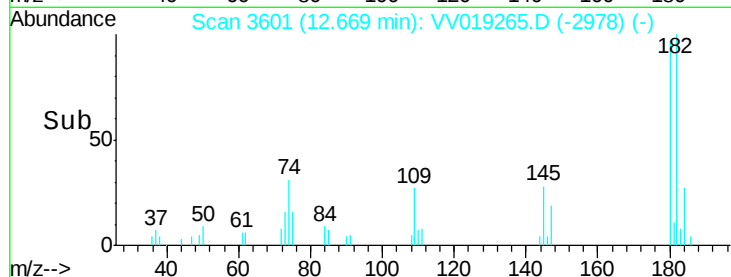
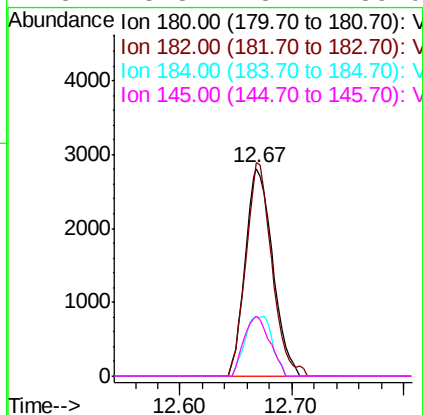
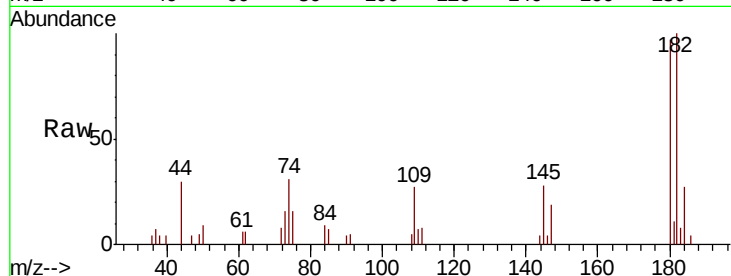
#69
 1,3,5-Trichlorobenzene
 Concen: 2.390 ug/L m
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.7	77.7	116.5
184	26.7	24.9	37.3
145	23.3	23.4	35.0#

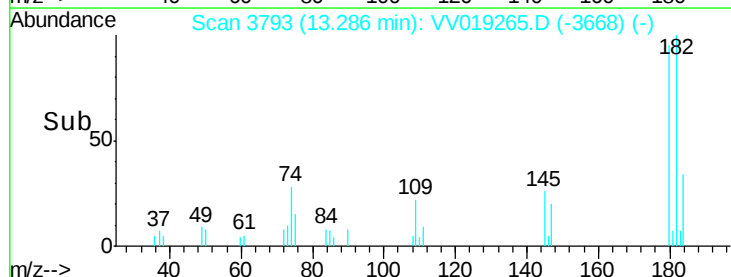
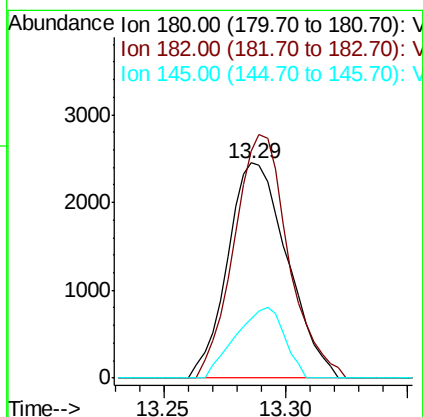
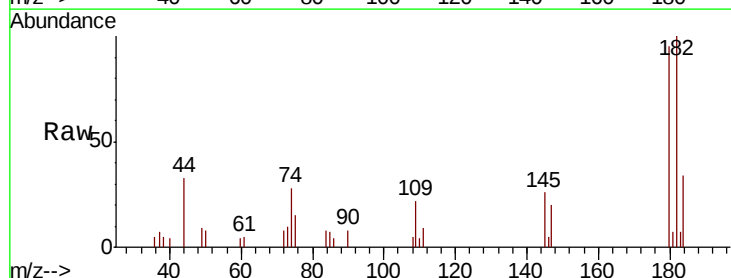
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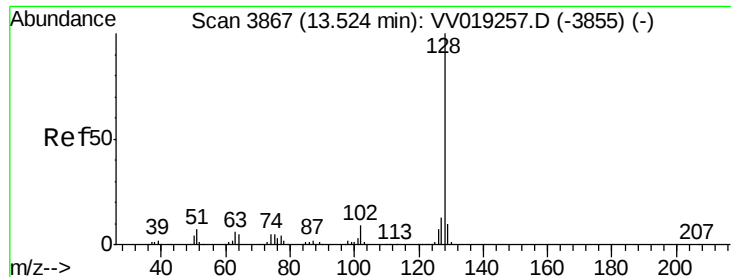
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#70
 1,2,4-trichlorobenzene
 Concen: 2.215 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.9	76.6	114.8
145	26.7	23.2	34.8





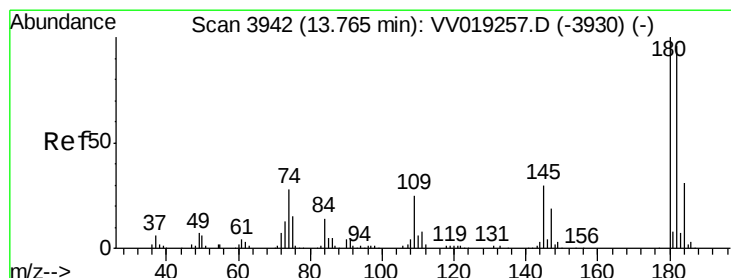
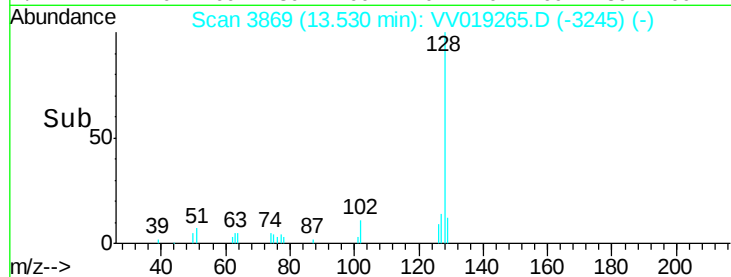
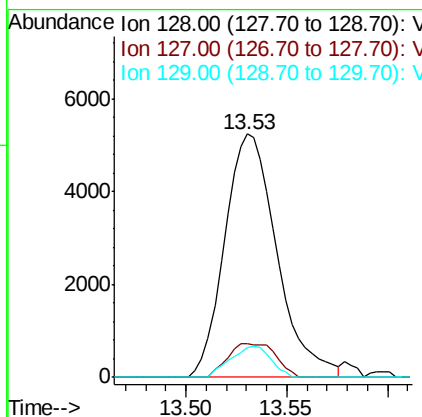
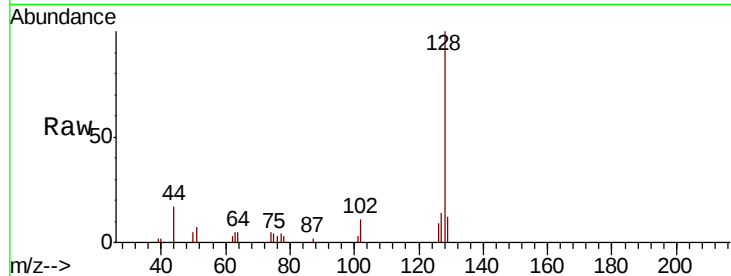
#71
Naphthalene
Concen: 1.784 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.5	10.7	16.1#
129	9.9	8.6	13.0

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#72
1,2,3-Trichlorobenzene
Concen: 2.283 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.7	77.4	116.0
145	28.9	24.7	37.1

