

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019264.D
 Acq On : 05 Nov 2020 00:20
 Operator : SY/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:03:56 AM

Quant Time: Nov 05 05:23:42 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	228082	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218098	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	105962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74897	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.10%
7) Chloroethane-d5	1.58	69	66774	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.82%
11) 1,1-Dichloroethene-d2	2.12	63	116678	35.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.60%
21) 2-Butanone-d5	3.91	46	113642	117.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.09%
24) Chloroform-d	4.38	84	156839	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.05	65	113553	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.07	84	287901	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
36) 1,2-Dichloropropane-d6	6.09	67	91937	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.34	98	248248	44.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.50%
43) trans-1,3-Dichloropropene-	7.64	79	47943	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.11	63	71988	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	115372	48.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.32%
66) 1,2-Dichlorobenzene-d4	11.65	152	107599	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2508	1.795 ug/L	99
3) Chloromethane	1.25	50	3277	2.252 ug/L	99
5) Vinyl chloride	1.32	62	3554	2.347 ug/L #	44
6) Bromomethane	1.53	94	2478	2.435 ug/L	95
8) Chloroethane	1.60	64	2583	2.608 ug/L	95
9) Trichlorofluoromethane	1.77	101	4949	1.974 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3443	2.890 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3500	2.843 ug/L #	1
13) Acetone	2.19	43	3477	4.711 ug/L	100
14) Carbon disulfide	2.31	76	7566	2.140 ug/L	97
15) Methyl Acetate	2.45	43	3372	2.358 ug/L	92
16) Methylene chloride	2.52	84	3674	2.510 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	2785	2.085 ug/L	90
18) Methyl tert-butyl Ether	2.79	73	10151	2.162 ug/L	97
19) 1,1-Dichloroethane	3.22	63	5967	2.280 ug/L	96
20) cis-1,2-Dichloroethene	3.95	96	3375	2.286 ug/L	93
22) 2-Butanone	4.02	43	3257m	3.476 ug/L	

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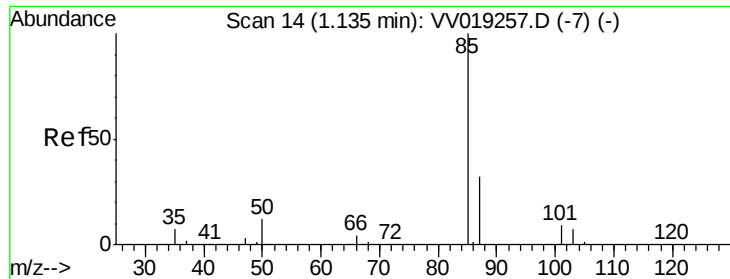
Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:03:56 AM

Quant Time: Nov 05 05:23:42 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)
23) Bromochloromethane	4.29	128	2026	2.493	ug/L	89
25) Chloroform	4.41	83	8473	3.020	ug/L	99
27) 1,2-Dichloroethane	5.17	62	5684	2.383	ug/L	99
29) Cyclohexane	4.70	56	3379m	1.810	ug/L	
30) 1,1,1-Trichloroethane	4.64	97	5252	2.076	ug/L #	88
31) Carbon tetrachloride	4.86	117	4354	1.994	ug/L	100
33) Benzene	5.13	78	12331	2.275	ug/L	100
34) Trichloroethene	5.95	95	3301	2.241	ug/L	98
35) Methylcyclohexane	6.15	83	3315	1.859	ug/L #	91
37) 1,2-Dichloropropane	6.20	63	3622	2.504	ug/L #	90
38) Bromodichloromethane	6.54	83	4655	2.236	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	5028	2.172	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	8443	4.345	ug/L	95
42) Toluene	7.41	91	13995	2.389	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	5350	2.256	ug/L	90
45) 1,1,2-Trichloroethane	7.87	97	3450	2.413	ug/L	95
46) Tetrachloroethene	8.00	164	2322	1.932	ug/L	93
48) 2-Hexanone	8.16	43	10466	7.124	ug/L #	91
49) Dibromochloromethane	8.27	129	3596	2.109	ug/L	97
50) 1,2-Dibromoethane	8.38	107	3392	2.289	ug/L #	92
51) Chlorobenzene	8.90	112	8270	2.110	ug/L	97
52) Ethylbenzene	9.04	91	12116	1.874	ug/L	98
53) m,p-Xylene	9.16	106	4525	1.870	ug/L	87
54) o-Xylene	9.57	106	4503	1.888	ug/L	99
55) Styrene	9.59	104	7424	1.749	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5024	2.323	ug/L #	94
59) Bromoform	9.76	173	2470	2.100	ug/L #	94
60) Isopropylbenzene	9.95	105	10119	1.822	ug/L	97
61) 1,2,3-Trichloropropane	10.30	75	4232	2.571	ug/L #	93
62) 1,3,5-Trimethylbenzene	10.56	105	7999	1.729	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	8006	1.769	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	6460	2.224	ug/L	98
65) 1,4-Dichlorobenzene	11.30	146	6866	2.285	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	6940	2.335	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1130	2.353	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.67	180	4148	1.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	3472	1.770	ug/L	94
71) Naphthalene	13.53	128	7855	1.420	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	3865	1.987	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 1.795 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 85 Resp: 2508

Ion Ratio Lower Upper

85 100

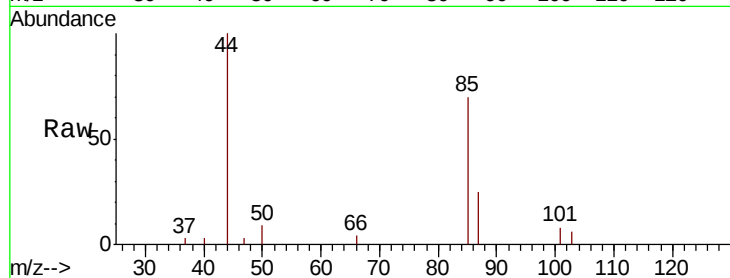
87 31.9 25.9 38.9

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Abundance Ion 85.00 (84.70 to 85.70): VV019257.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019257.D (-7) (-)

1.14

3000

2500

2000

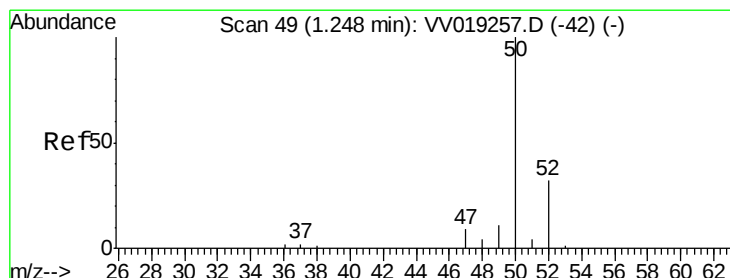
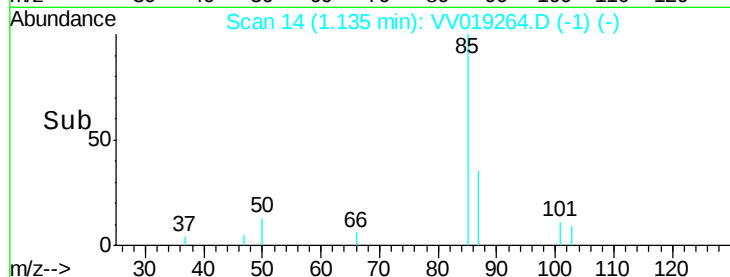
1500

1000

500

0

Time-->



#3

Chloromethane

Concen: 2.252 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019264.D

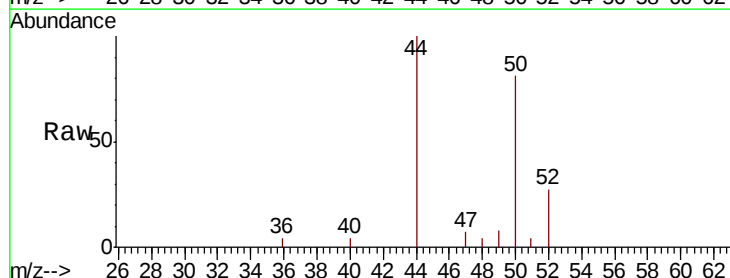
Acq: 05 Nov 2020 00:20

Tgt Ion: 50 Resp: 3277

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019257.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019257.D (-42) (-)

1.25

4000

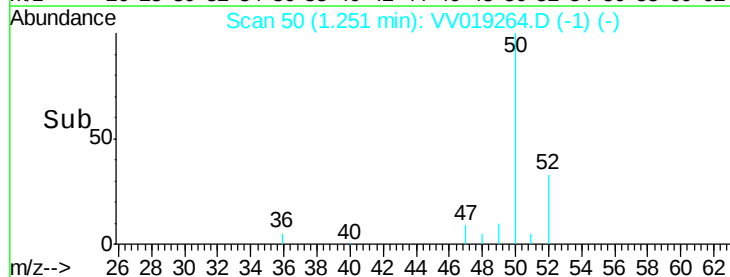
3000

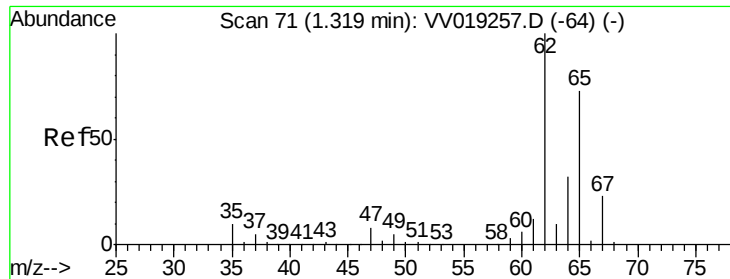
2000

1000

0

Time-->





#5

Vinyl chloride

Concen: 2.347 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 62 Resp: 3554

Ion Ratio Lower Upper

62 100

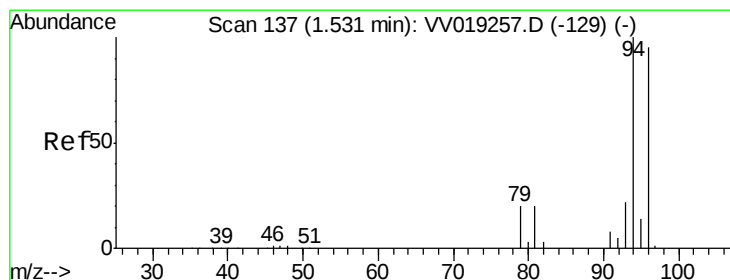
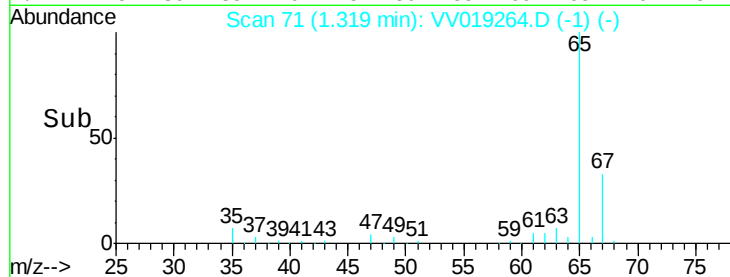
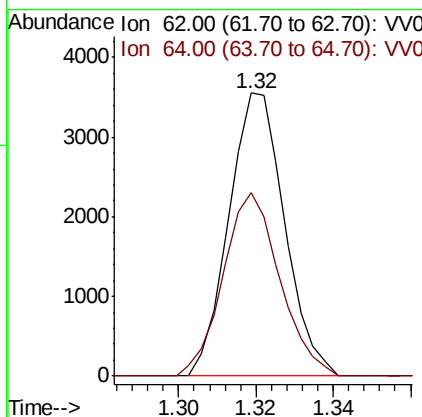
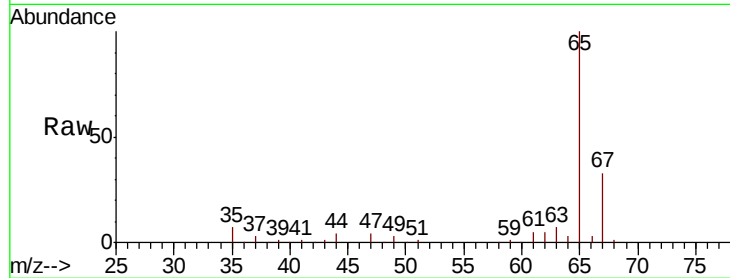
64 64.9 23.3 43.3#

Manual Integrations

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11/6/2020 11:03:56 AM



#6

Bromomethane

Concen: 2.435 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019264.D

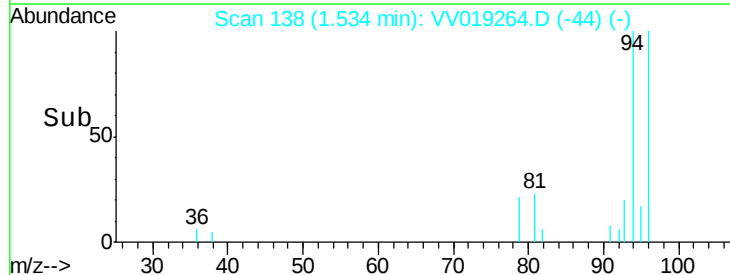
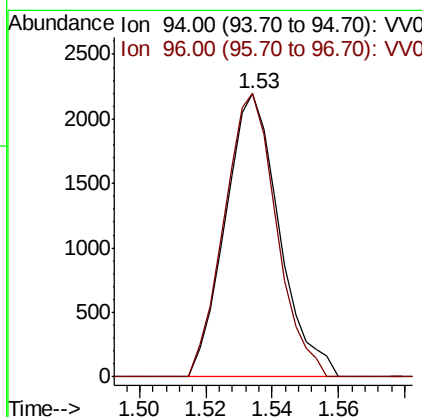
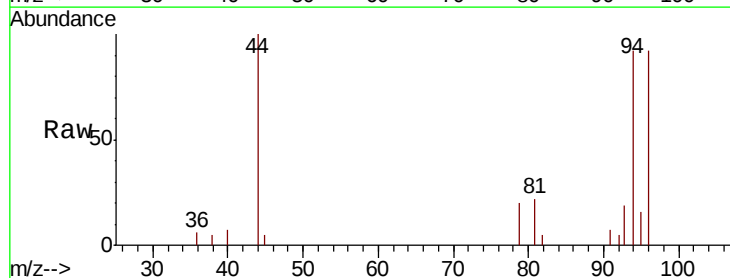
Acq: 05 Nov 2020 00:20

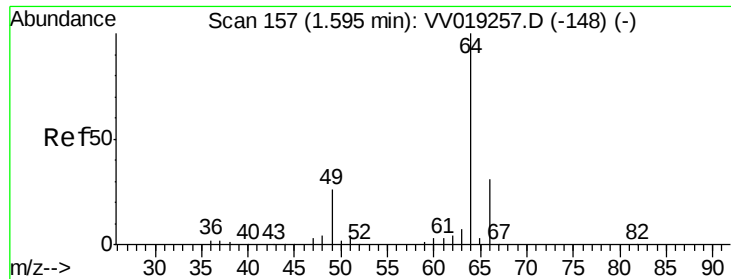
Tgt Ion: 94 Resp: 2478

Ion Ratio Lower Upper

94 100

96 100.1 66.4 123.2





#8

Chloroethane

Concen: 2.608 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 64 Resp: 2583

Ion Ratio Lower Upper

64 100

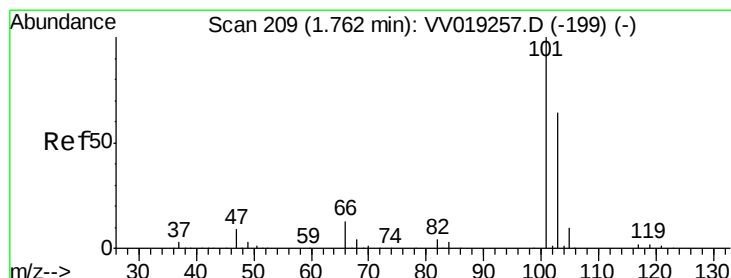
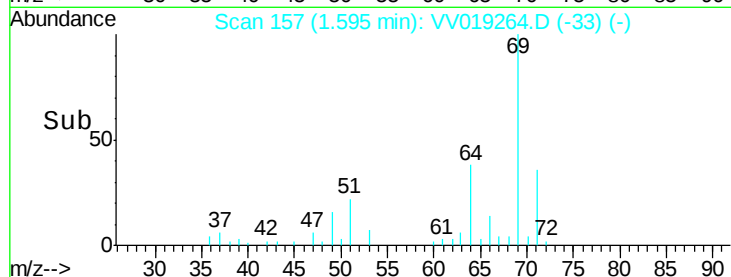
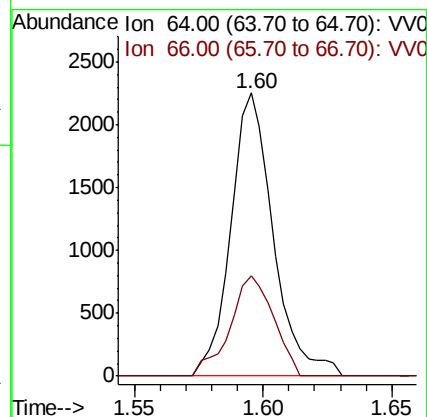
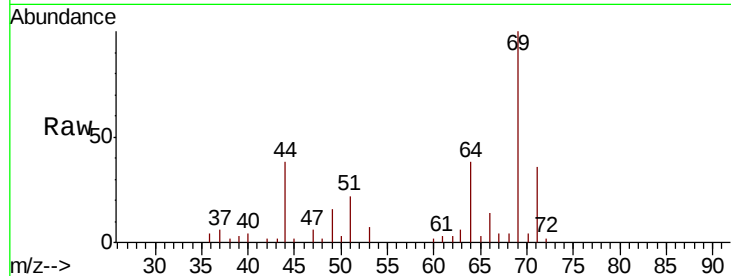
66 35.3 22.5 41.9

Manual Integrations

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11/6/2020 11:03:56 AM



#9

Trichlorofluoromethane

Concen: 1.974 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019264.D

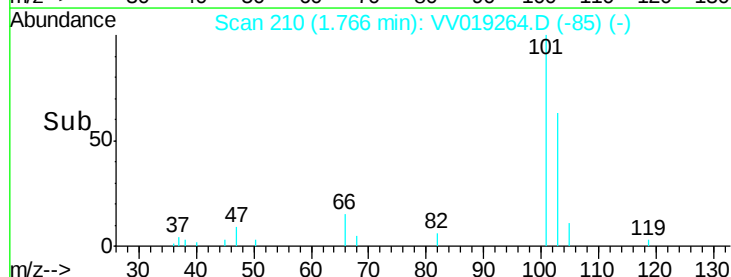
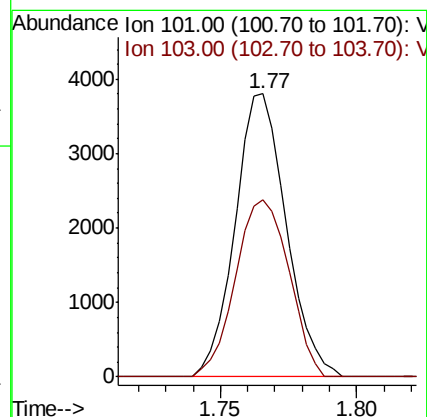
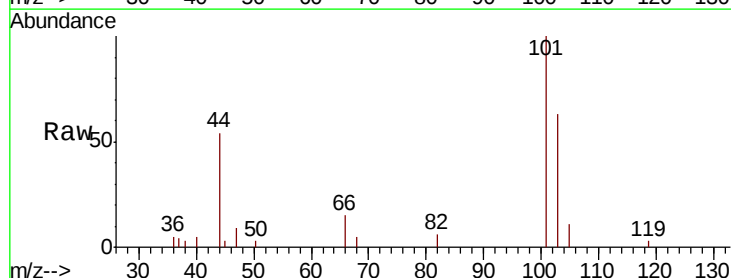
Acq: 05 Nov 2020 00:20

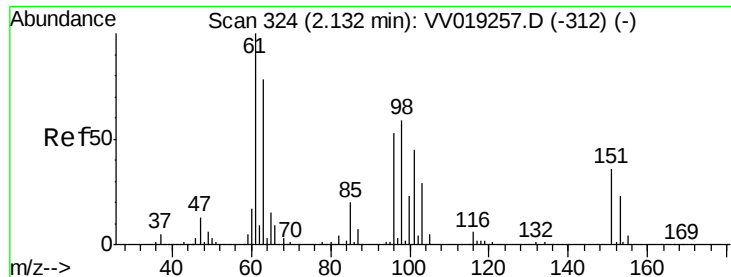
Tgt Ion: 101 Resp: 4949

Ion Ratio Lower Upper

101 100

103 65.5 52.3 78.5





#10

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

Concen: 2.890 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

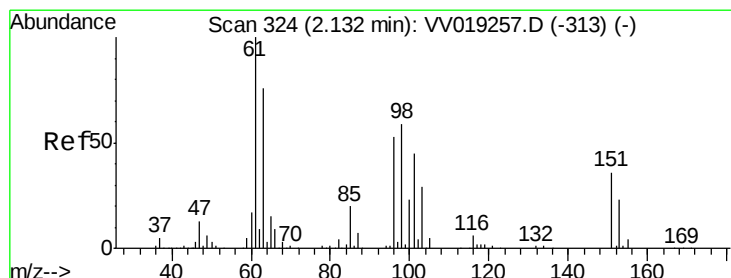
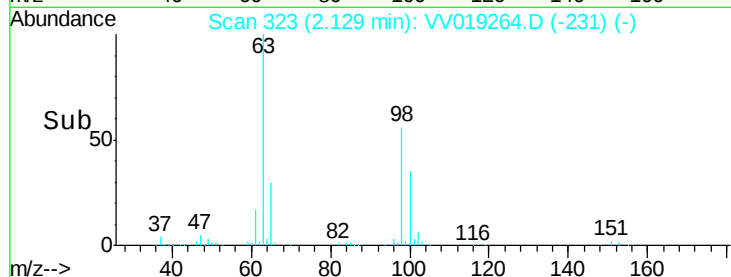
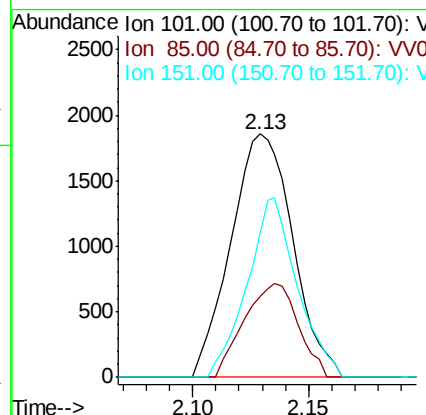
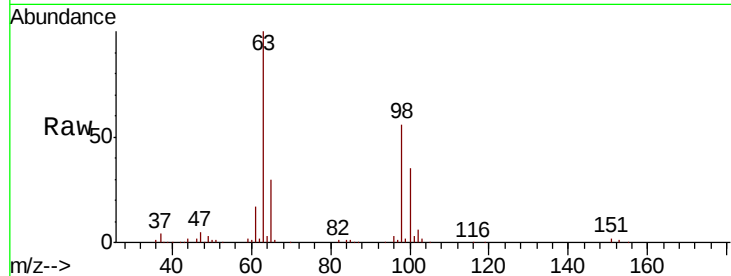
ClientSampleId :

MDL-WATER-06

Tot Ion:	101	Resp:	3443
Ion Ratio	Lower	Upper	
101	100		
85	33.5	35.6	53.4#
151	59.5	64.1	96.1#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.843 ug/L

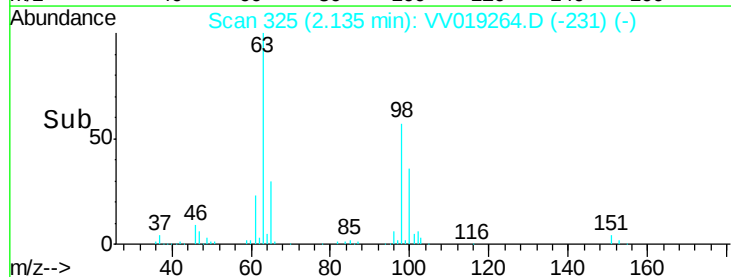
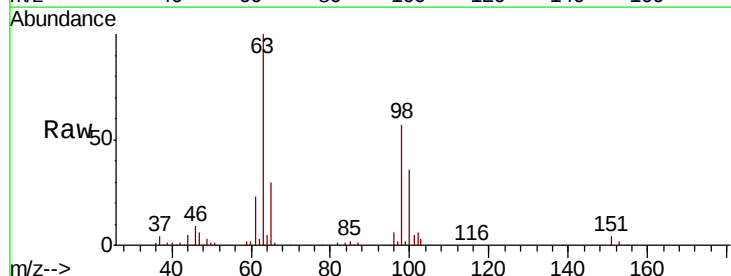
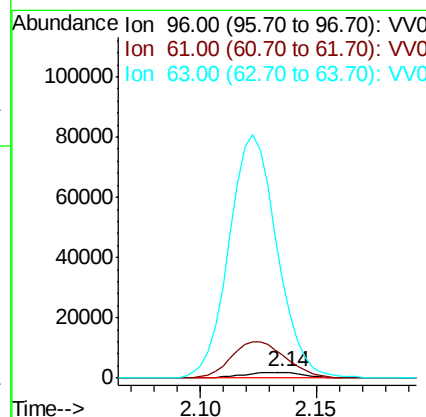
RT: 2.14 min Scan# 325

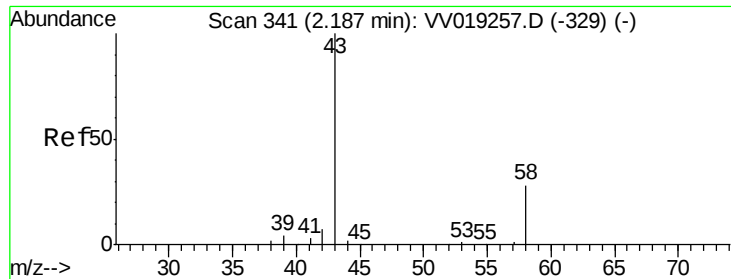
Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion:	96	Resp:	3500
Ion Ratio	Lower	Upper	
96	100		
61	379.5	133.6	248.0#
63	1647.2	103.0	191.2#





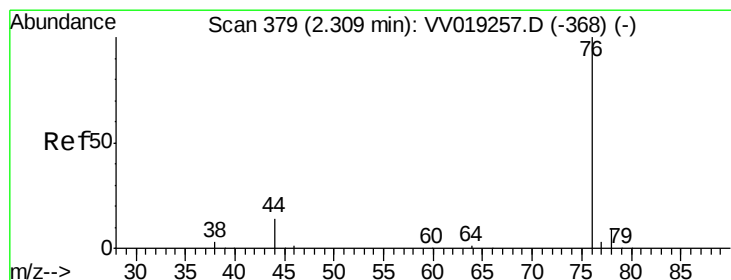
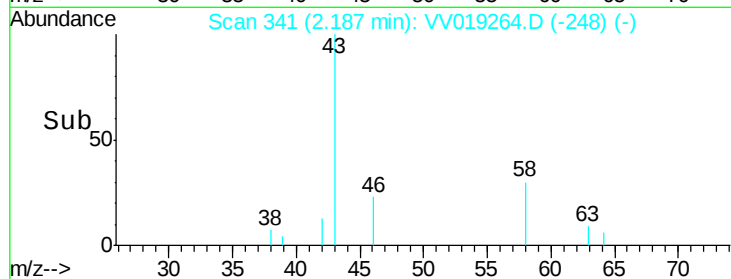
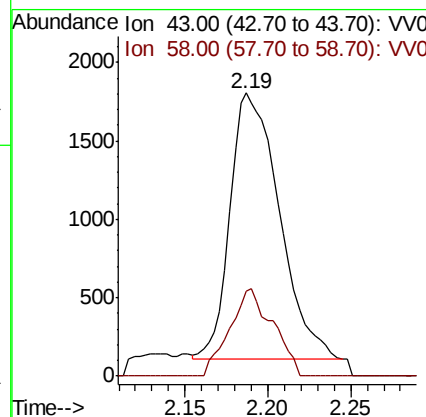
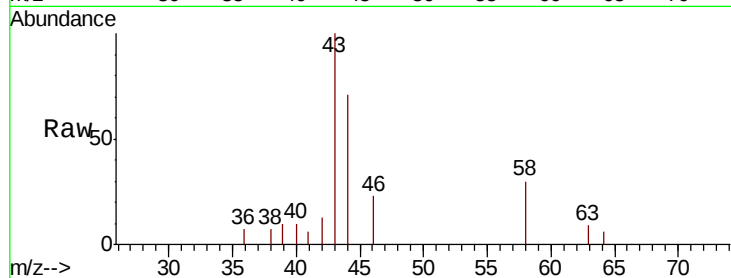
#13
Acetone
Concen: 4.711 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
58 29.1 0.0 57.8

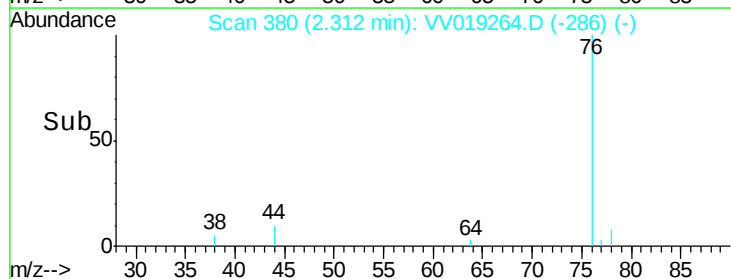
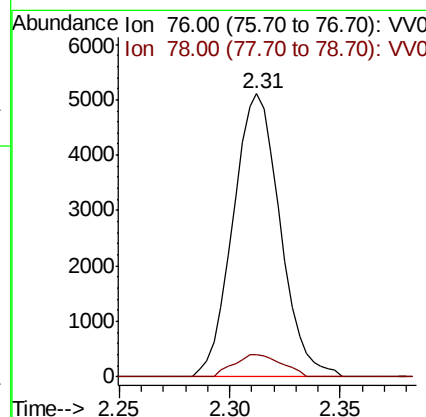
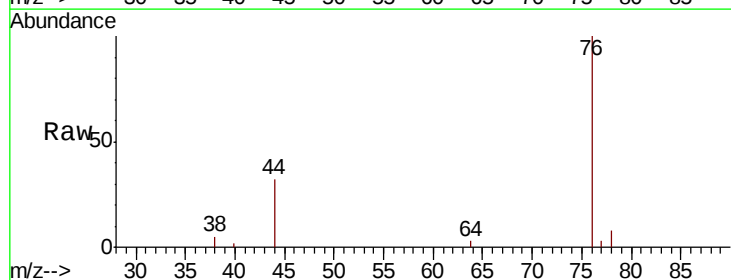
Manual Integrations
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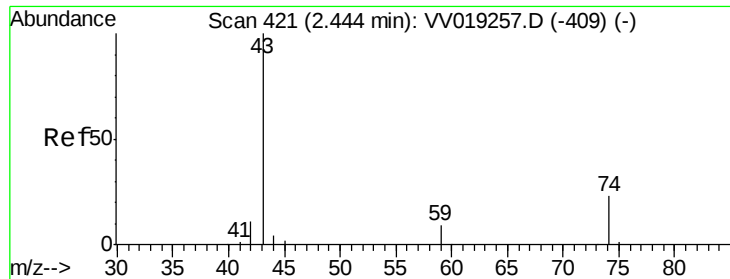
MMDadoda
11/6/2020 11:03:56 AM



#14
Carbon disulfide
Concen: 2.140 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 76 Resp: 7566
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0





#15

Methvl Acetate

Concen: 2.358 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tot Ion: 43 Resp: 3372

Ion Ratio Lower Upper

43 100

74 19.5 18.8 28.2

Instrument :

MSVOA_V

ClientSampleId :

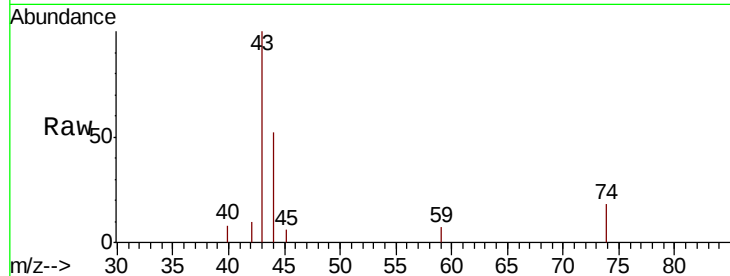
MDL-WATER-06

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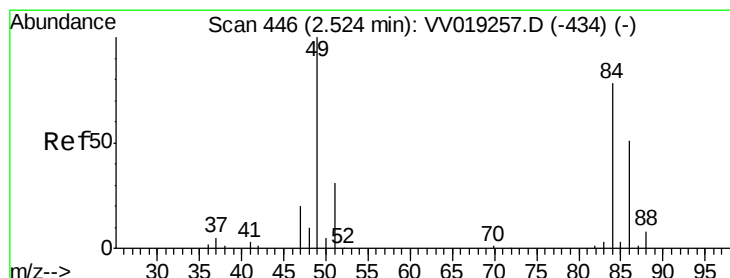
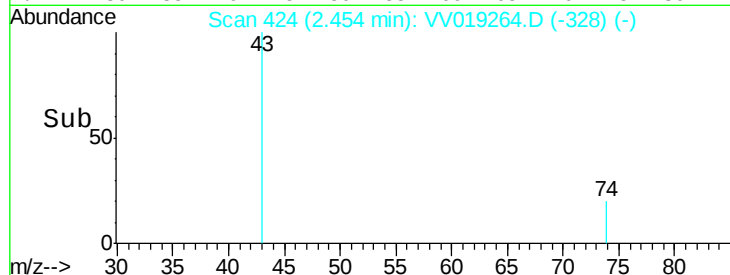
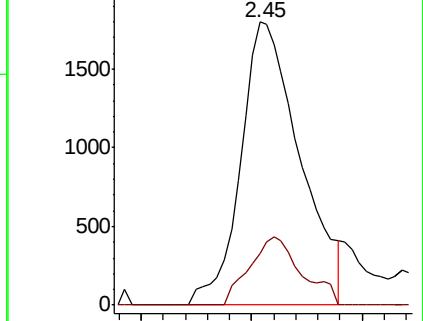
MMDadoda

11/6/2020 11:03:56 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: 2.510 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

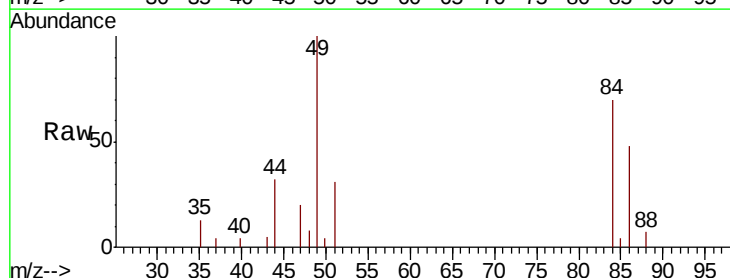
Tgt Ion: 84 Resp: 3674

Ion Ratio Lower Upper

84 100

86 69.1 45.6 84.8

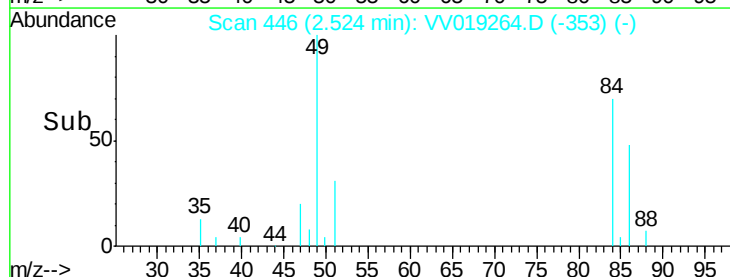
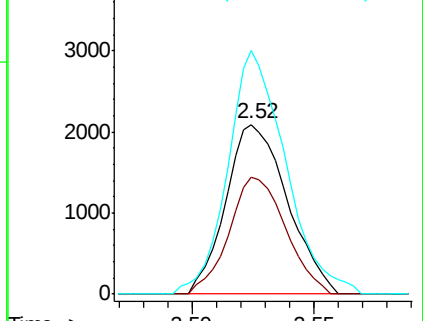
49 143.5 89.3 165.9

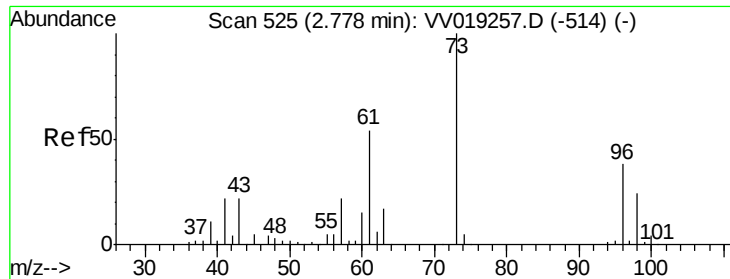


Abundance Ion 84.00 (83.70 to 84.70): VV019257.D (-434) (-)

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

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





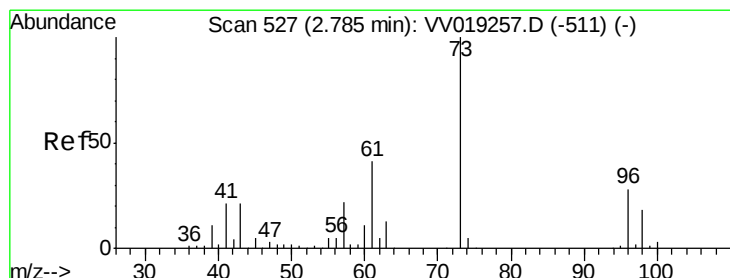
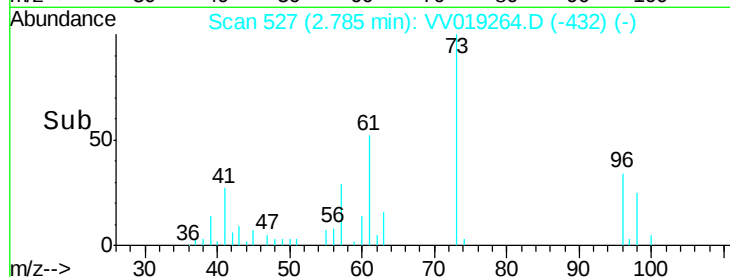
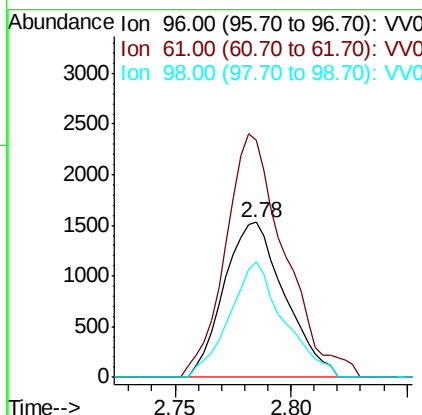
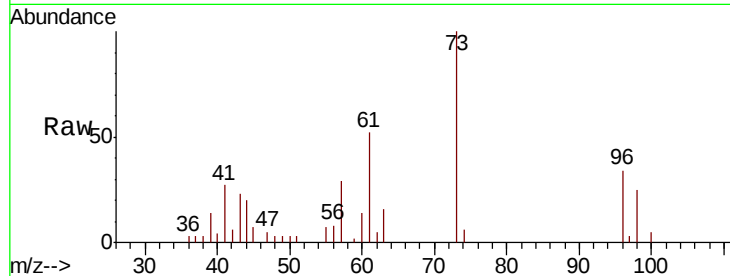
#17
trans-1,2-Dichloroethene
Concen: 2.085 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	100.7	187.1
98	74.1	42.9	79.7

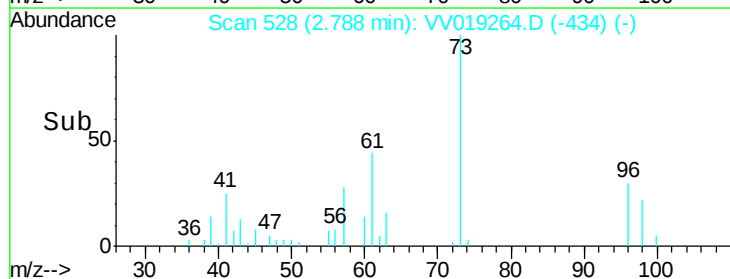
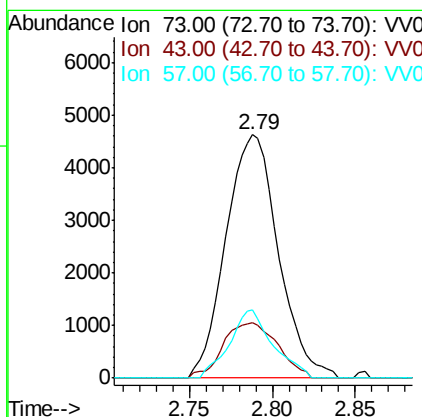
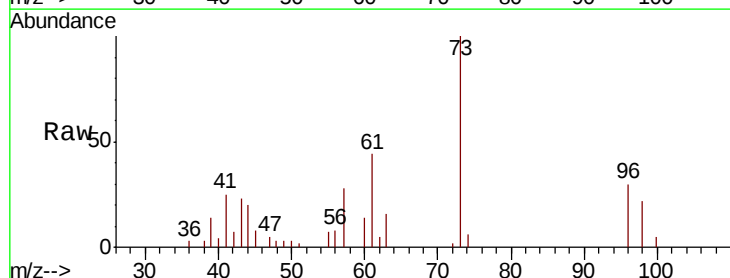
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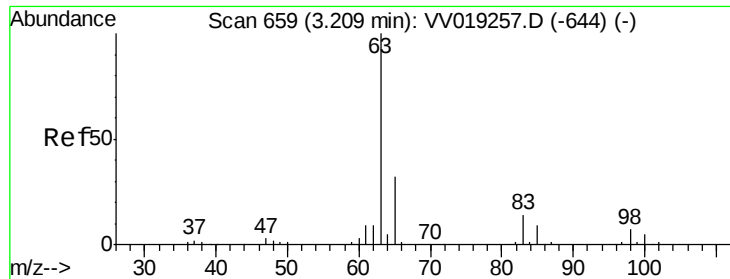
MMDadoda
11/6/2020 11:03:56 AM



#18
Methyl tert-butyl Ether
Concen: 2.162 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.2	17.9	26.9
57	23.4	17.1	25.7





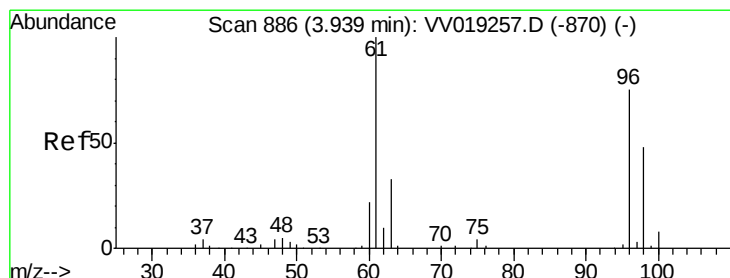
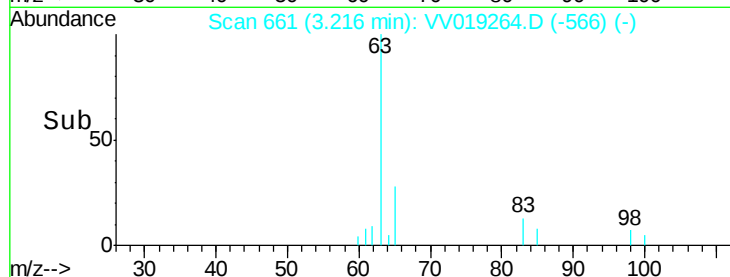
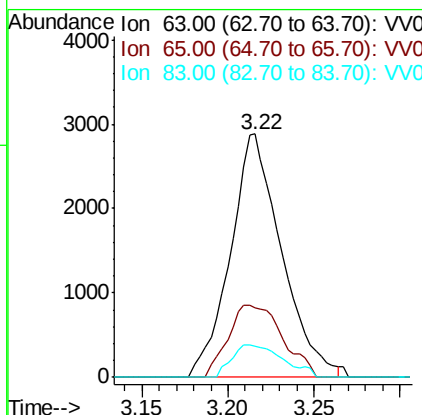
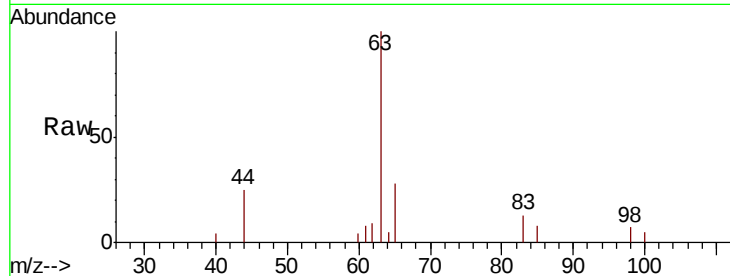
#19
 1,1-Dichloroethane
 Concen: 2.280 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion:	63	Resp:	5967
Ion	Ratio	Lower	Upper
63	100		
65	28.3	21.8	40.6
83	12.8	9.5	17.7

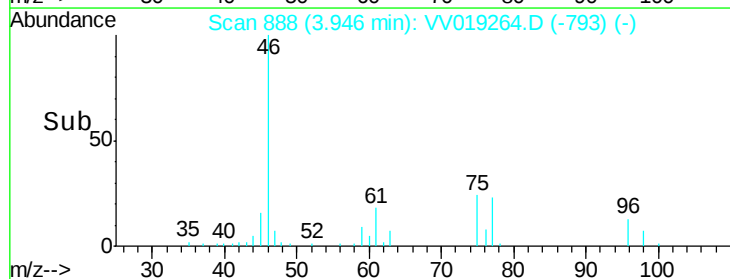
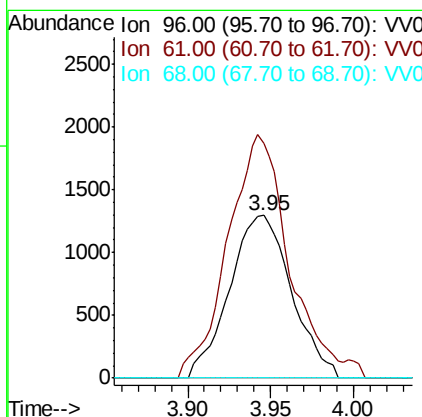
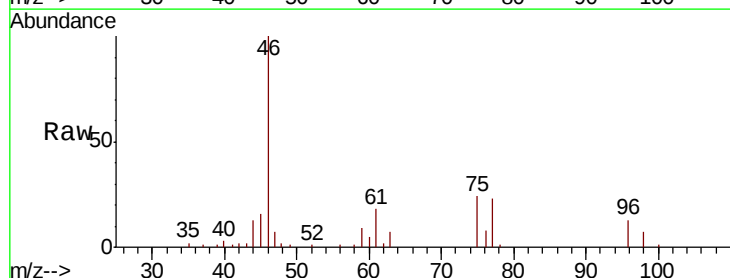
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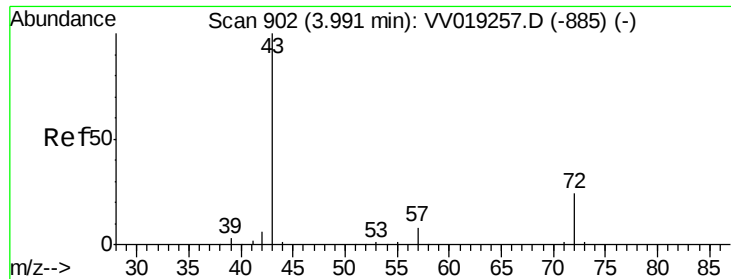
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#20
 cis-1,2-Dichloroethene
 Concen: 2.286 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion:	96	Resp:	3375
Ion	Ratio	Lower	Upper
96	100		
61	144.6	95.6	177.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.476 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 43 Resp: 3257

Ion Ratio Lower Upper

43 100

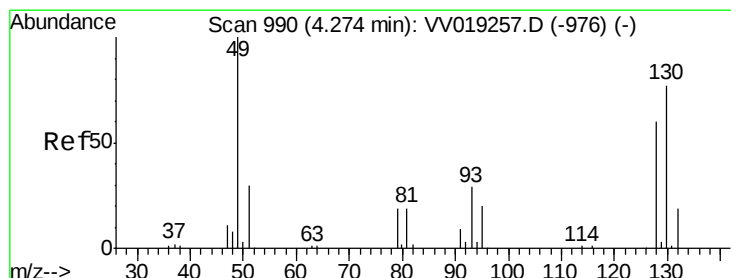
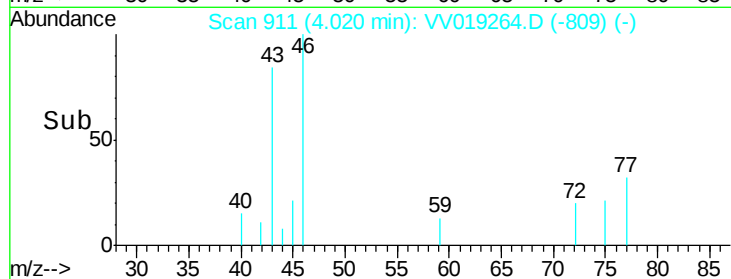
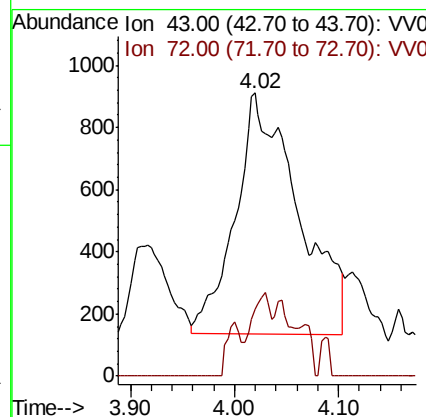
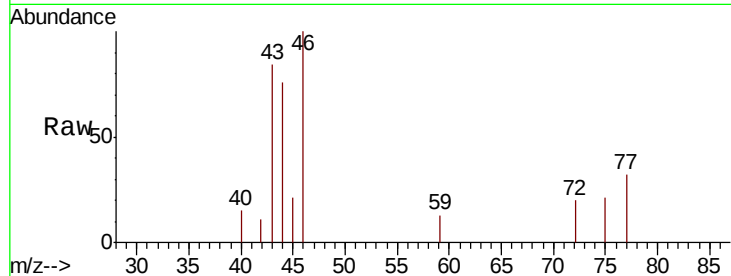
72 4.8 12.7 38.0#

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#23

Bromochloromethane

Concen: 2.493 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion: 128 Resp: 2026

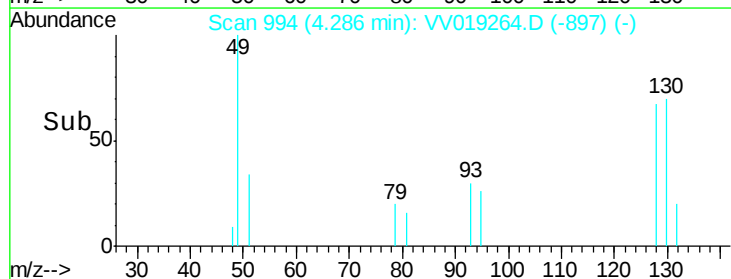
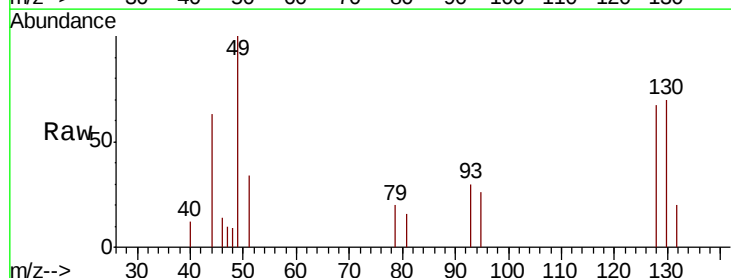
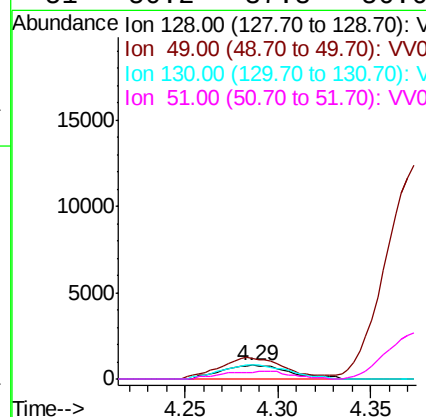
Ion Ratio Lower Upper

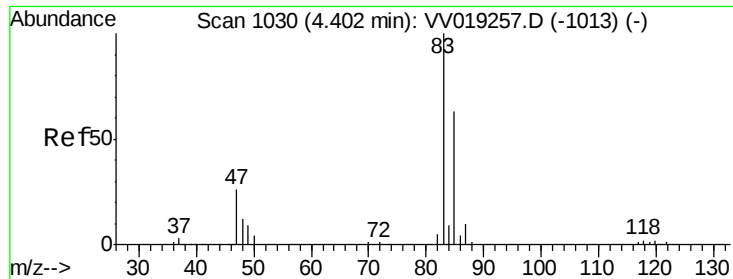
128 100

49 148.7 108.8 202.2

130 103.5 88.5 164.3

51 50.2 37.8 56.6





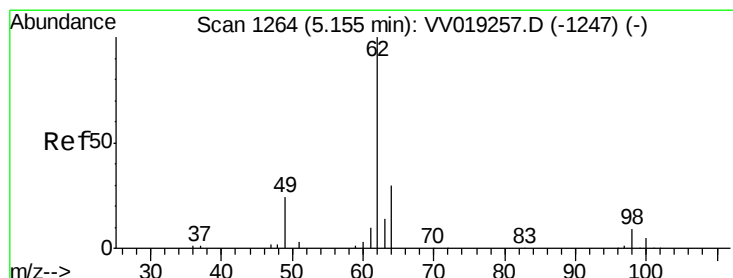
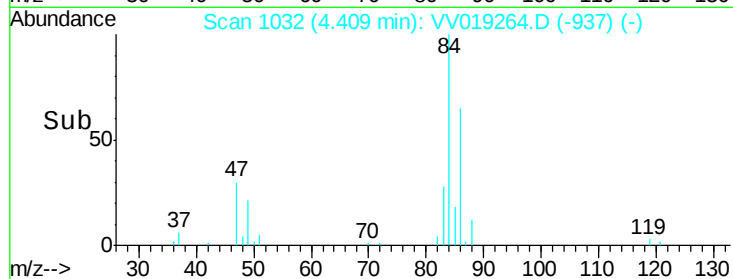
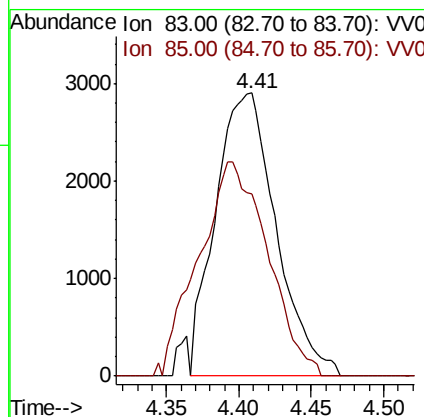
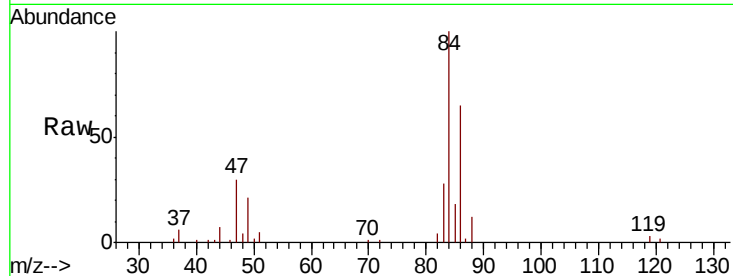
#25
Chloroform
Concen: 3.020 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion: 83 Resp: 8473
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4

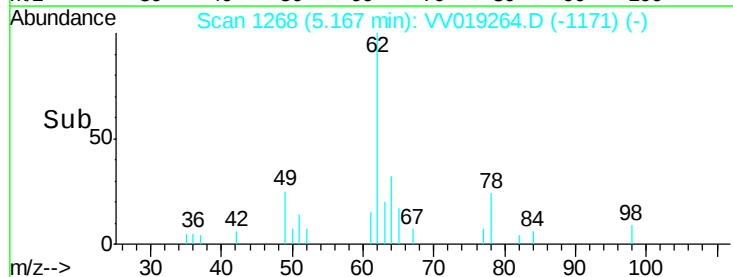
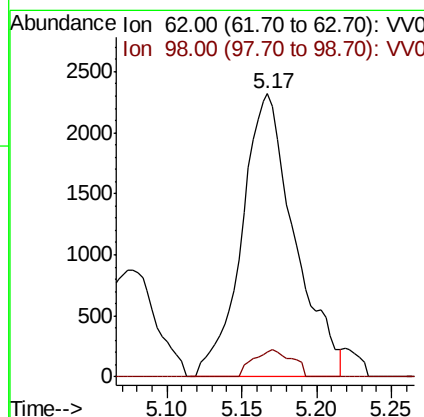
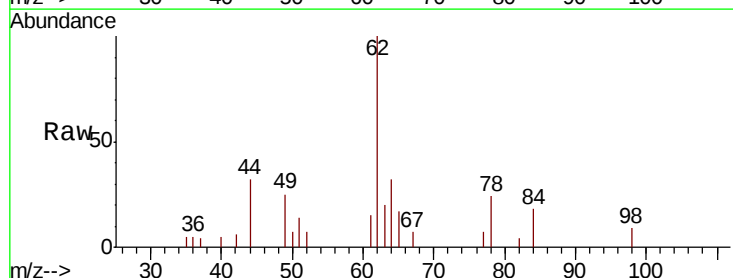
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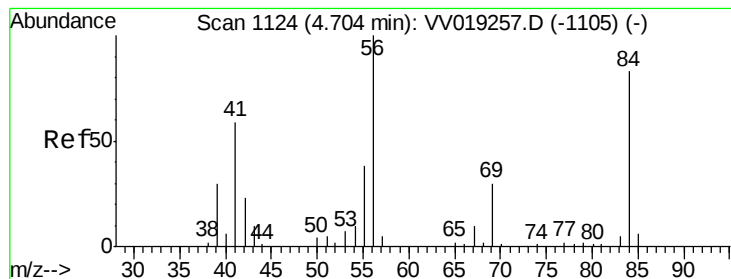
MMDadoda
11/6/2020 11:03:56 AM



#27
1,2-Dichloroethane
Concen: 2.383 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 62 Resp: 5684
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

Cvclohexane

Concen: 1.810 ug/L m

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 56 Resp: 3379

Ion Ratio Lower Upper

56 100

69 29.8 24.6 36.8

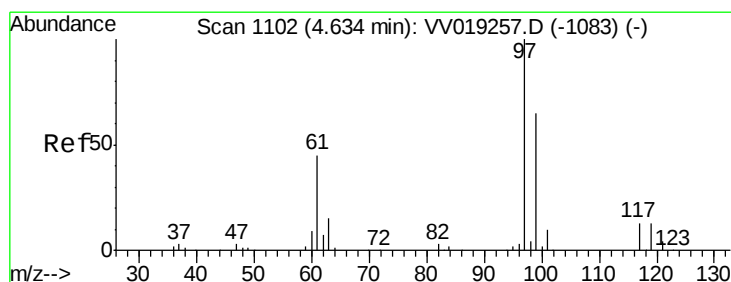
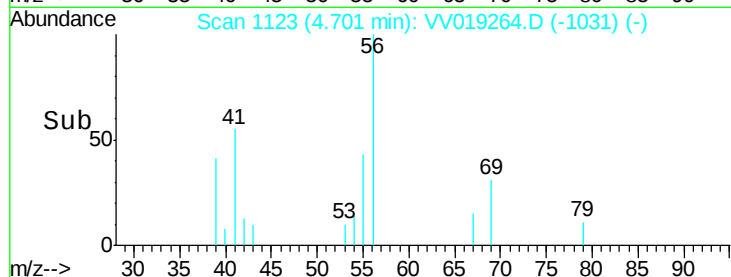
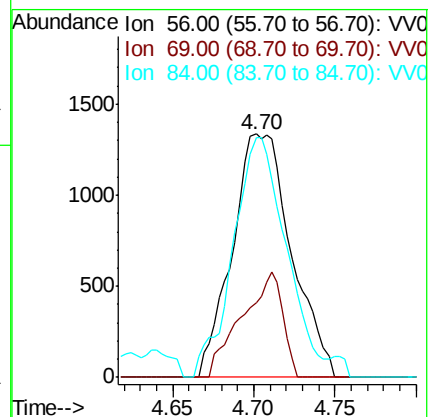
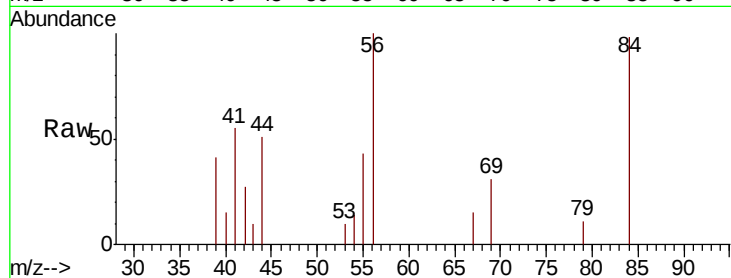
84 71.6 70.5 105.7

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11/6/2020 11:03:56 AM



#30

1,1,1-Trichloroethane

Concen: 2.076 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

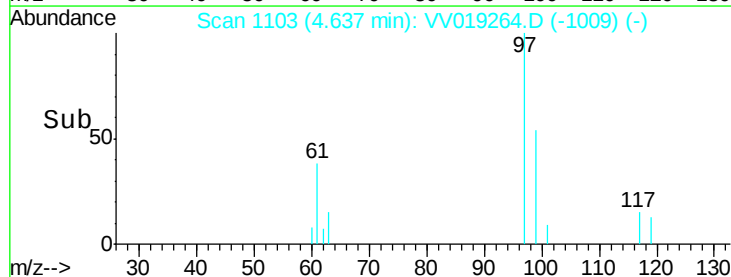
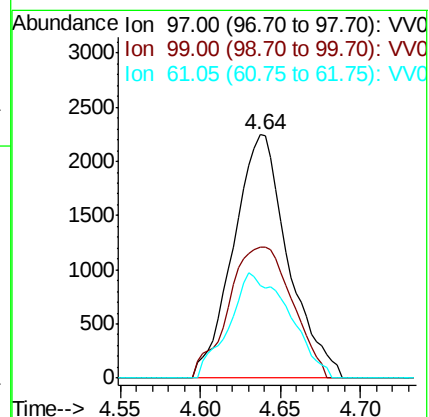
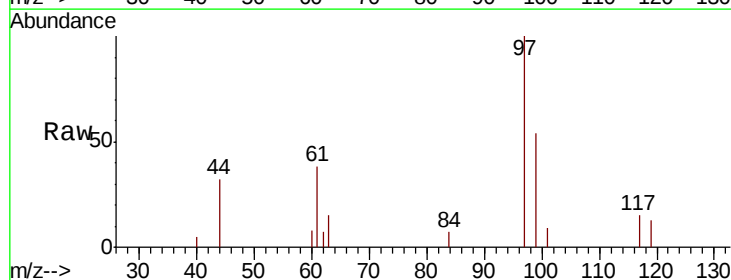
Tgt Ion: 97 Resp: 5252

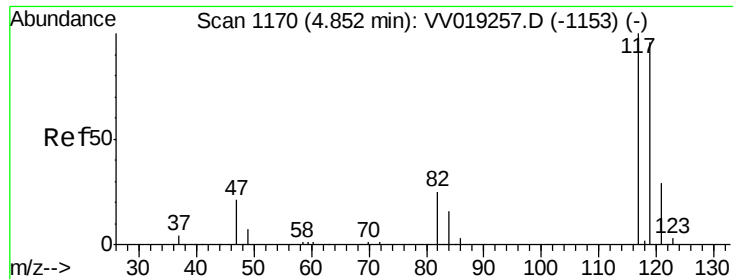
Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

61 27.6 35.3 52.9#





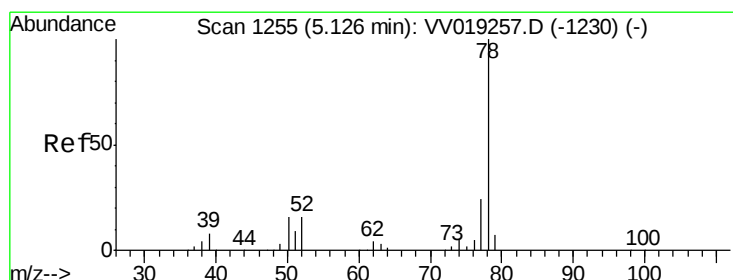
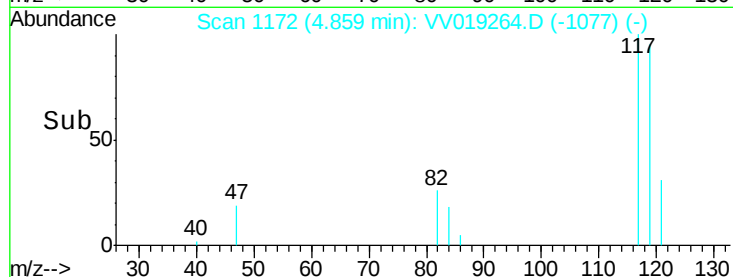
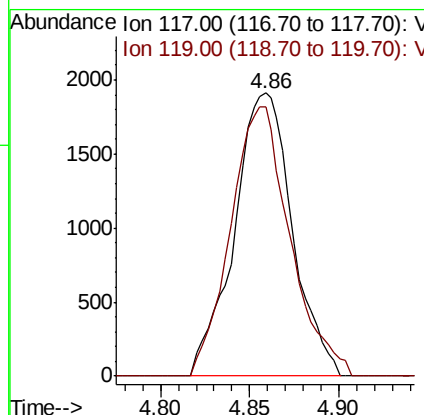
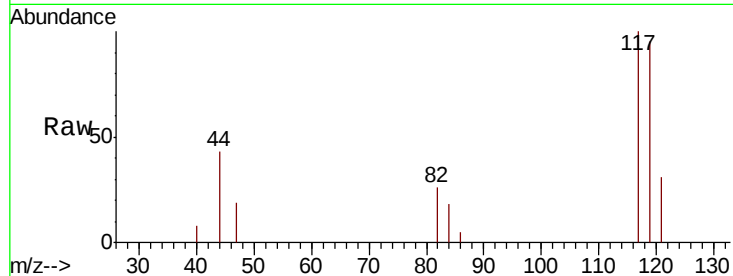
#31
Carbon tetrachloride
Concen: 1.994 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion:117 Resp: 4354
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.6

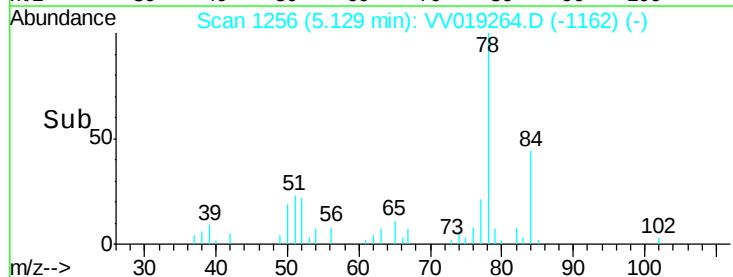
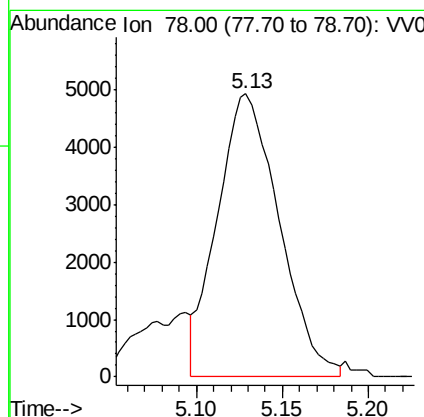
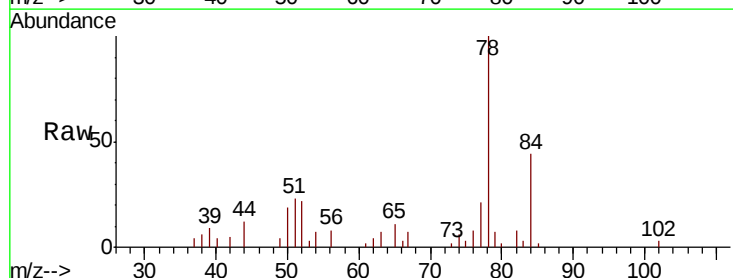
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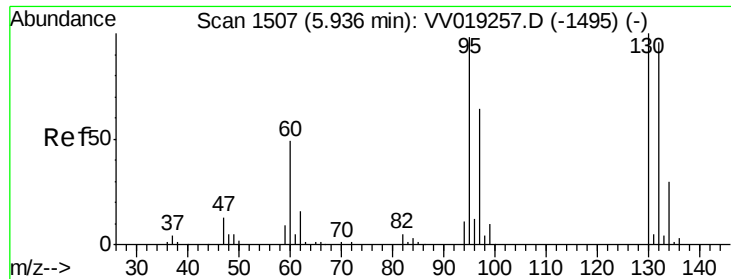
MMDadoda
11/6/2020 11:03:56 AM



#33
Benzene
Concen: 2.275 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion: 78 Resp: 12331





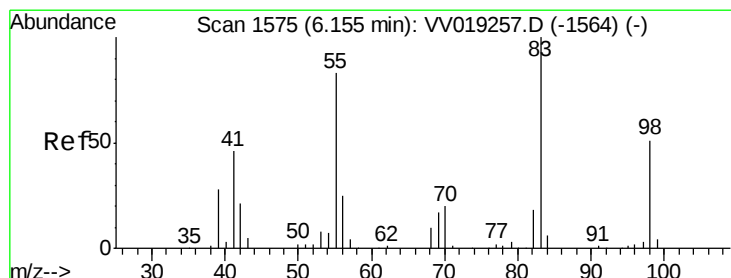
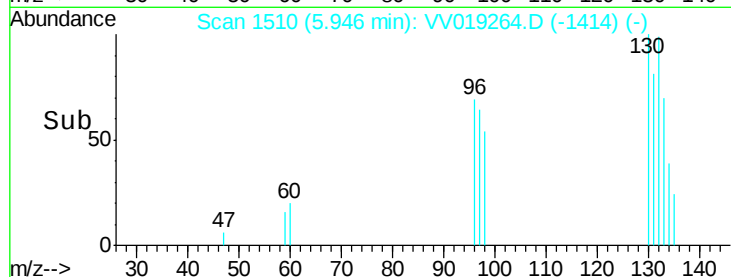
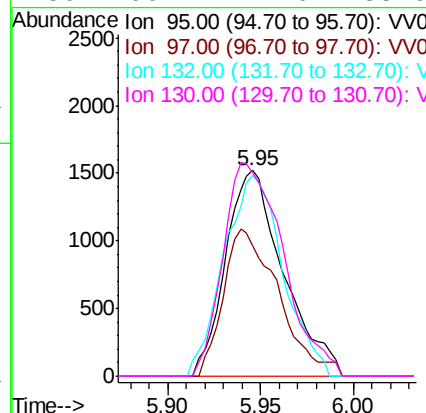
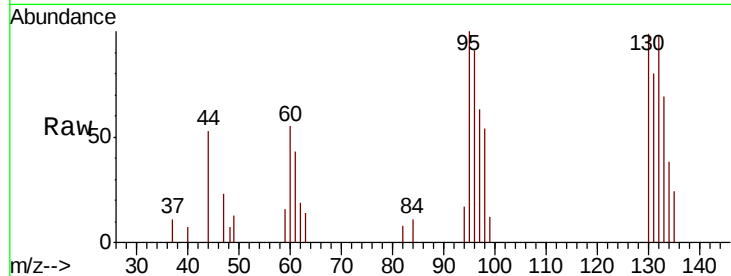
#34
 Trichloroethene
 Concen: 2.241 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion:	95	Resp:	3301
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.4	84.4
132	97.9	68.5	127.3
130	99.2	72.0	133.6

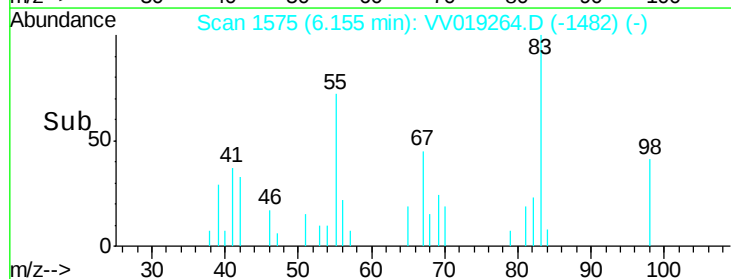
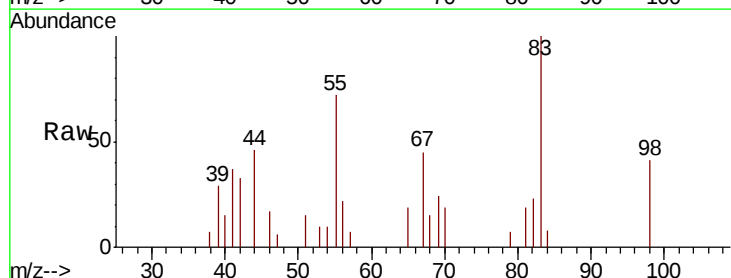
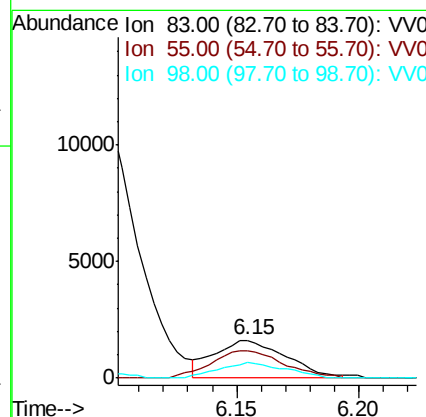
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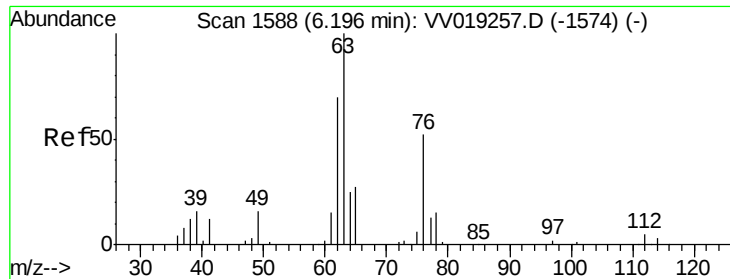
MMDadoda
 11/6/2020 11:03:56 AM



#35
 Methylcyclohexane
 Concen: 1.859 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion:	83	Resp:	3315
Ion	Ratio	Lower	Upper
83	100		
55	73.8	62.8	94.2
98	38.0	38.6	58.0#





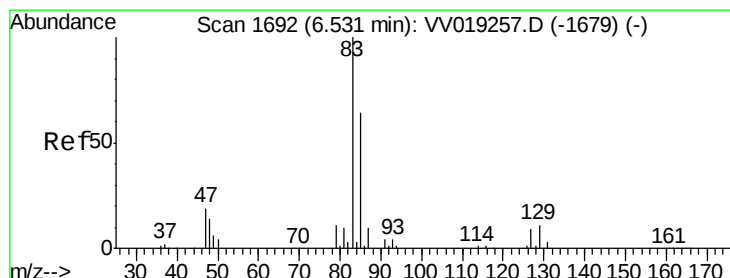
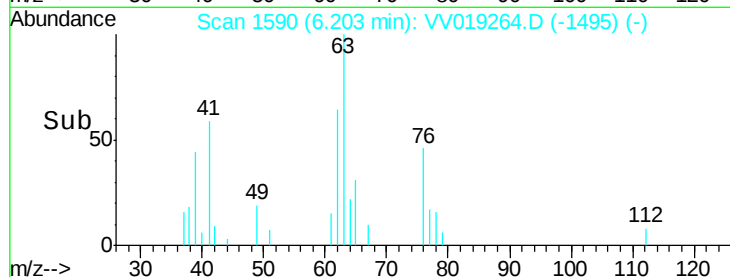
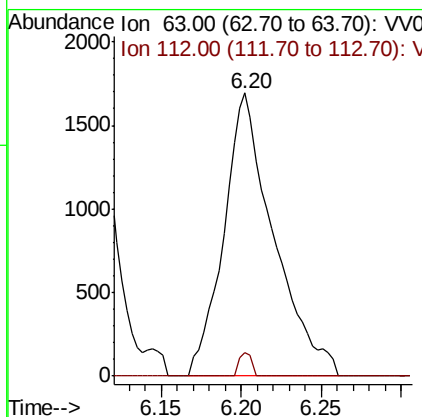
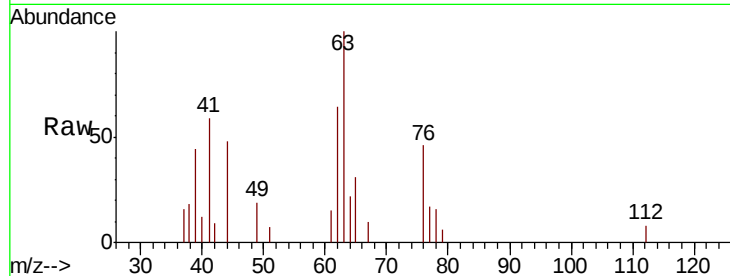
#37
 1,2-Dichloropropane
 Concen: 2.504 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion: 63 Resp: 3622
 Ion Ratio Lower Upper
 63 100
 112 2.0 4.2 6.2#

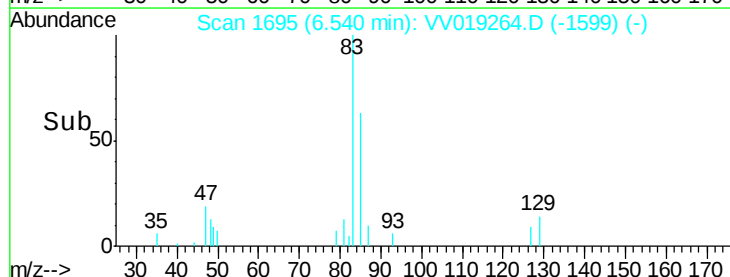
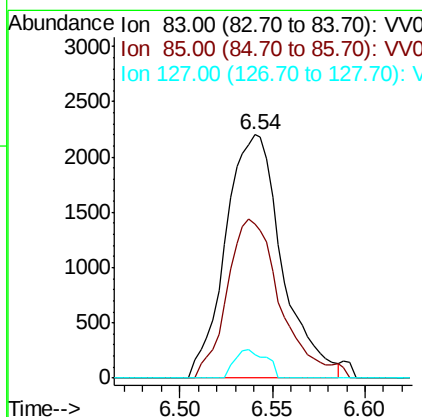
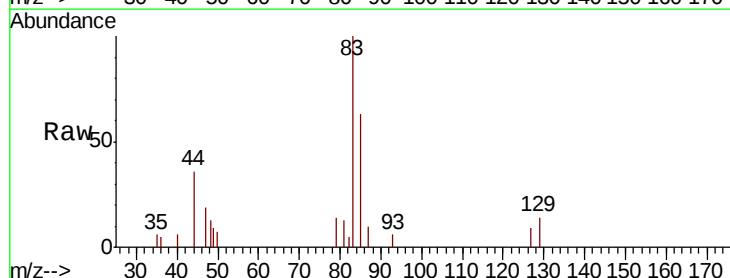
Manual Integrations
 APPROVED

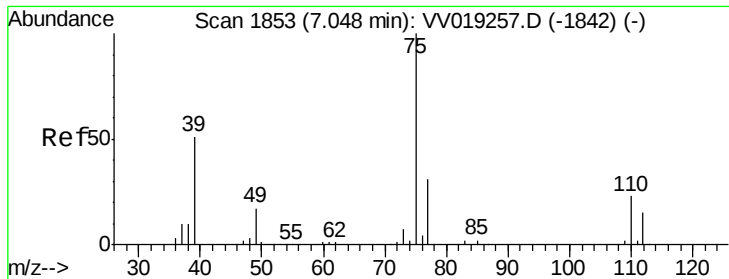
MMDadoda
 11/6/2020 11:03:56 AM



#38
 Bromodichloromethane
 Concen: 2.236 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion: 83 Resp: 4655
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.0 81.8
 127 9.5 7.3 10.9





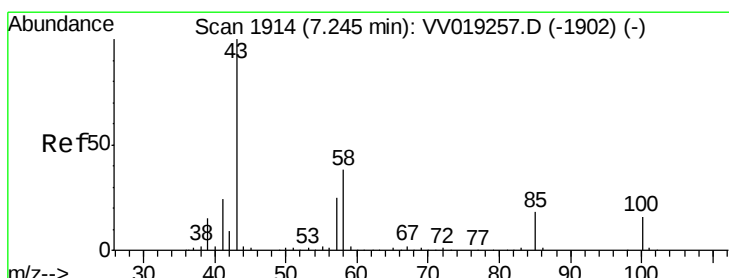
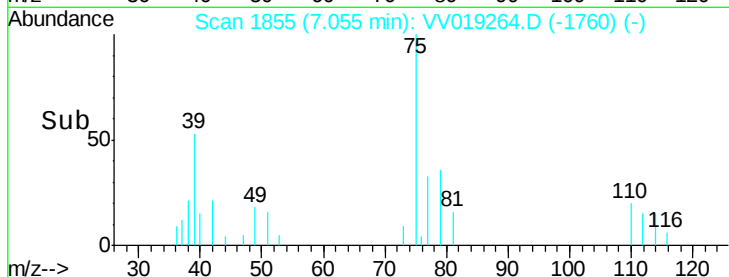
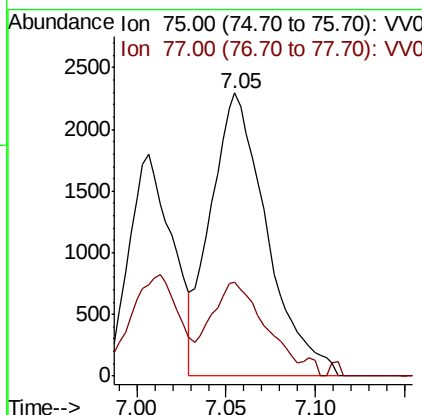
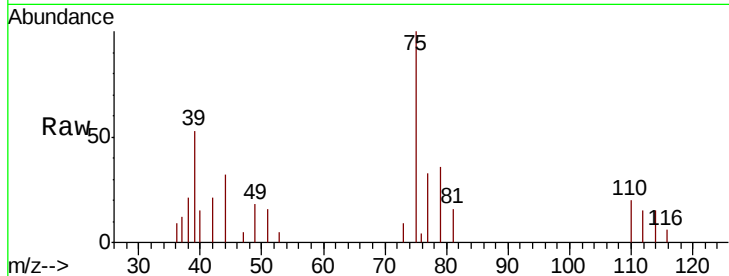
#39
 cis-1,3-Dichloropropene
 Concen: 2.172 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion: 75 Resp: 5028
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.2 41.2

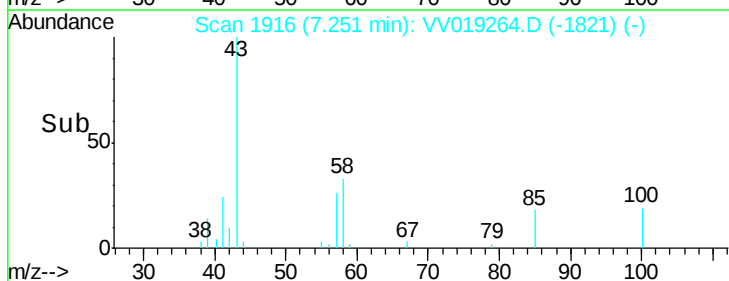
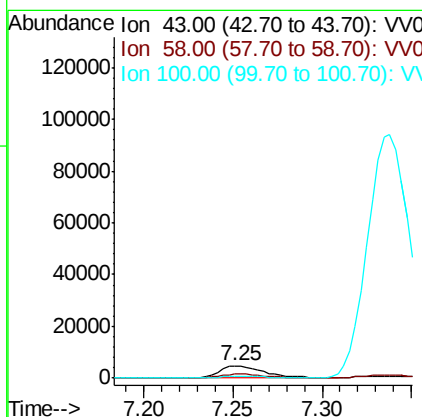
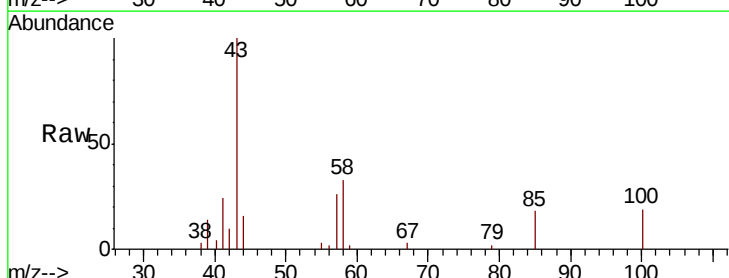
Manual Integrations
 APPROVED

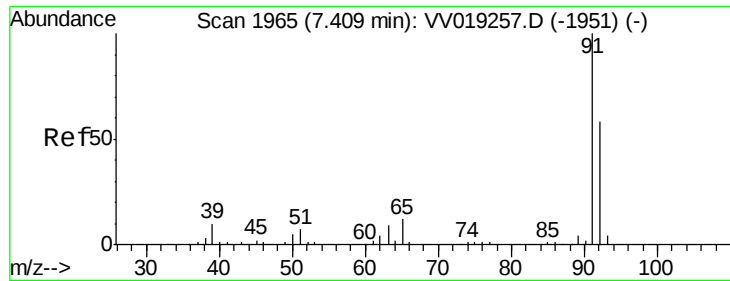
MMDadoda
 11/6/2020 11:03:56 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.345 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion: 43 Resp: 8443
 Ion Ratio Lower Upper
 43 100
 58 34.3 30.5 45.7
 100 15.5 12.7 19.1





#42

Toluene

Concen: 2.389 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 91 Resp: 13995

Ion Ratio Lower Upper

91 100

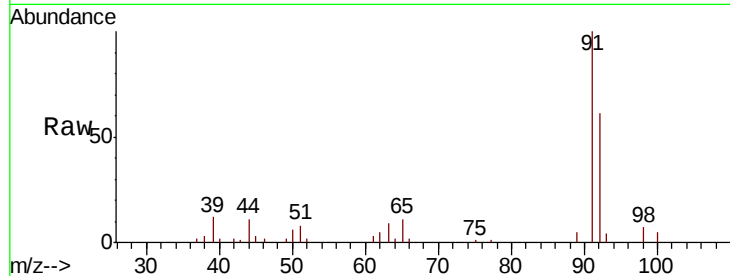
92 61.0 40.6 75.4

Manual Integrations

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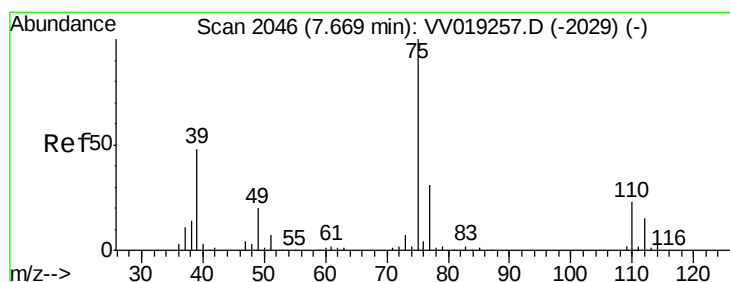
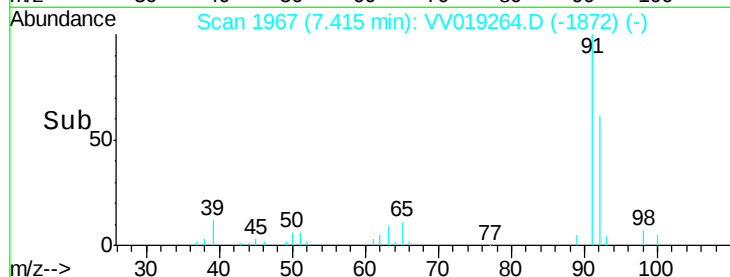
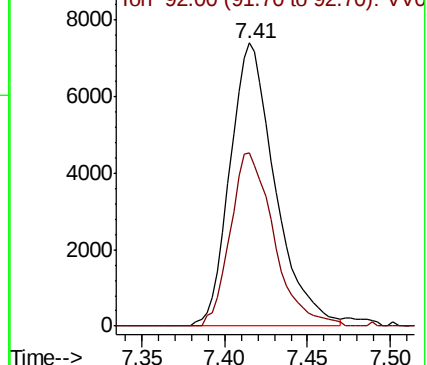
MMDadoda

11/6/2020 11:03:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.256 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019264.D

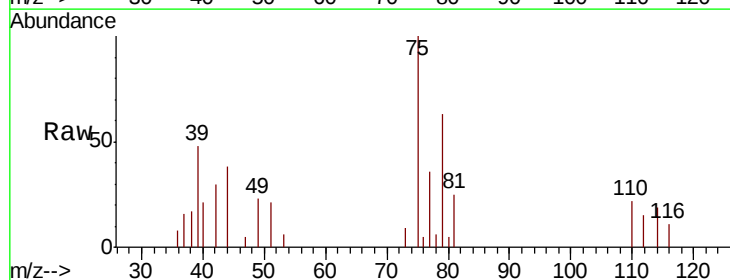
Acq: 05 Nov 2020 00:20

Tgt Ion: 75 Resp: 5350

Ion Ratio Lower Upper

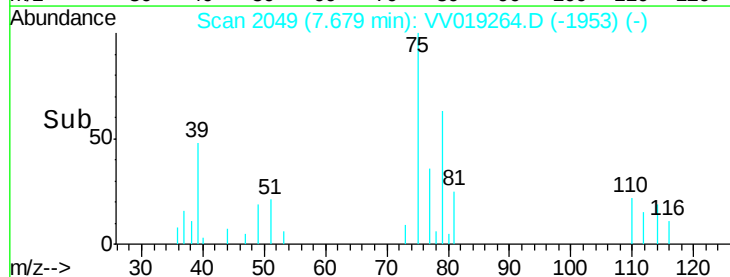
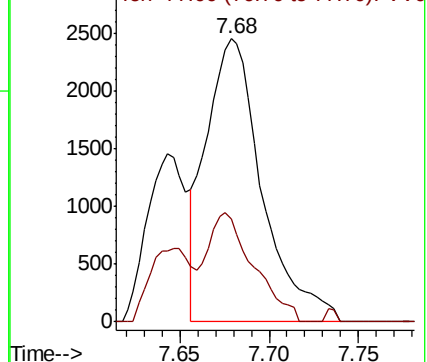
75 100

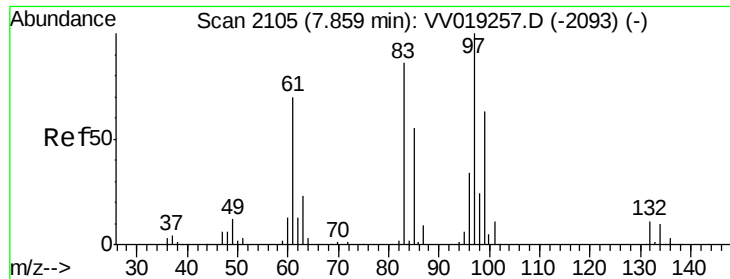
77 36.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





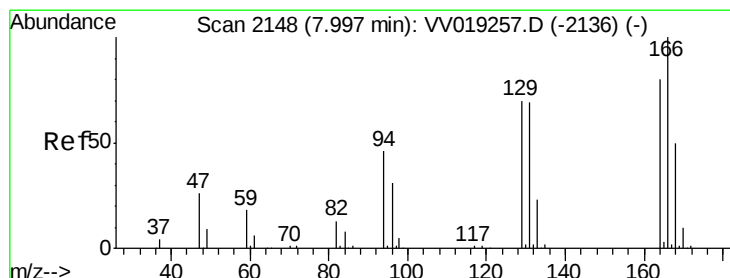
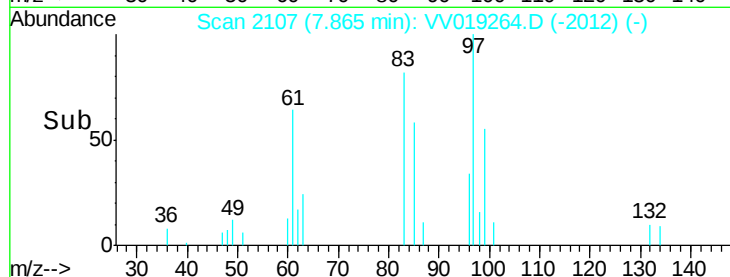
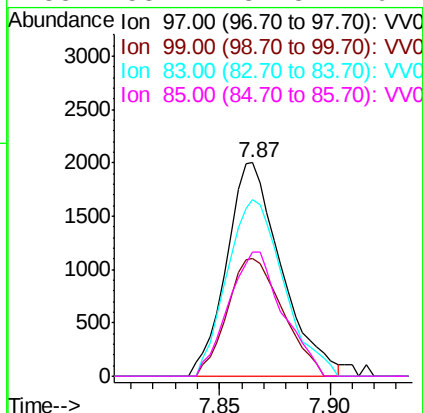
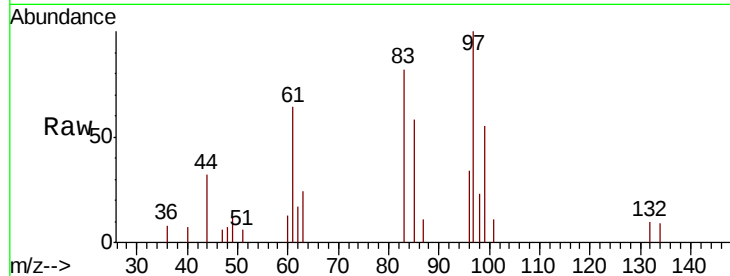
#45
1,1,2-Trichloroethane
Concen: 2.413 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion:	97	Resp:	3450
Ion	Ratio	Lower	Upper
97	100		
99	55.4	45.1	83.9
83	82.5	57.6	107.0
85	58.2	37.8	70.2

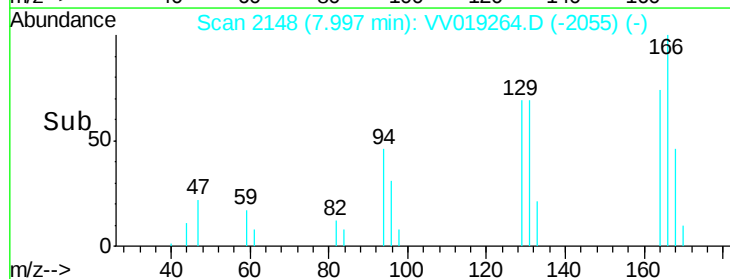
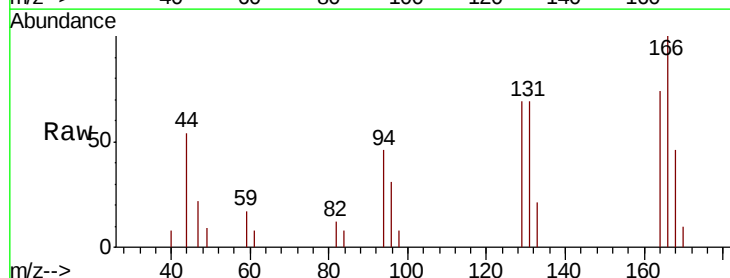
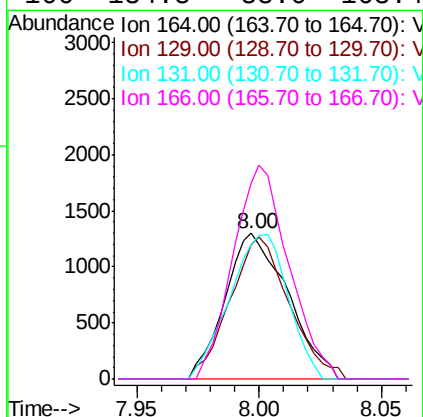
Manual Integrations
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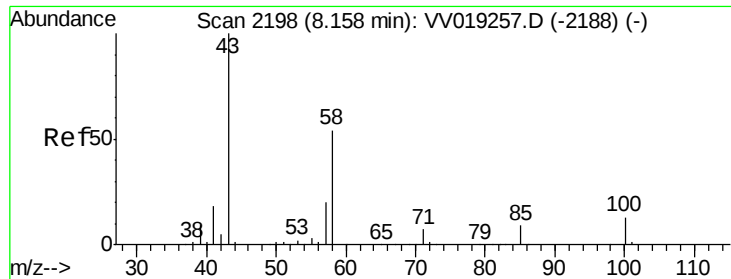
MMDadoda
11/6/2020 11:03:56 AM



#46
Tetrachloroethene
Concen: 1.932 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion:	164	Resp:	2322
Ion	Ratio	Lower	Upper
164	100		
129	92.7	62.6	116.3
131	92.8	59.0	109.6
166	134.8	88.0	163.4





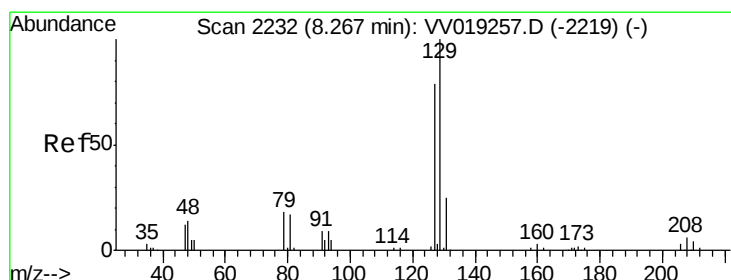
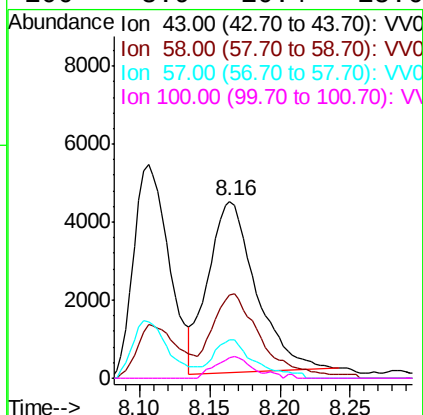
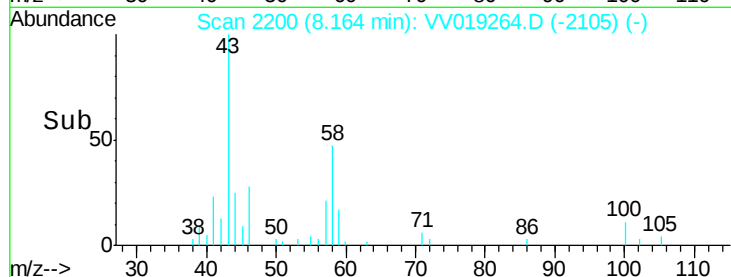
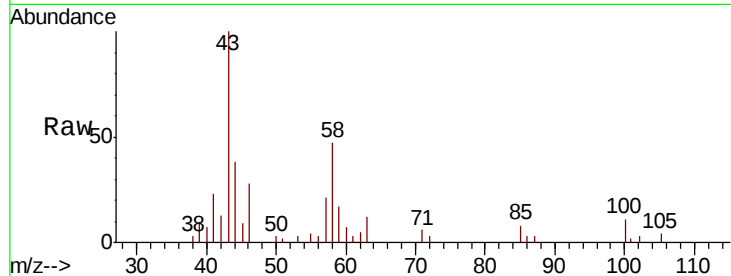
#48
2-Hexanone
Concen: 7.124 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.8	42.6	63.8
57	18.9	15.8	23.8
100	8.9	10.4	15.6

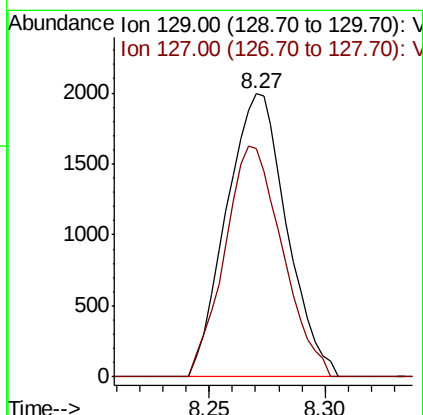
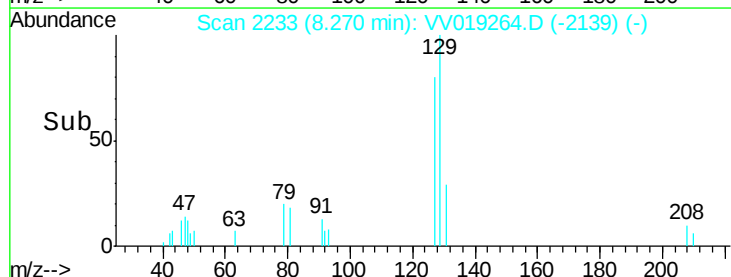
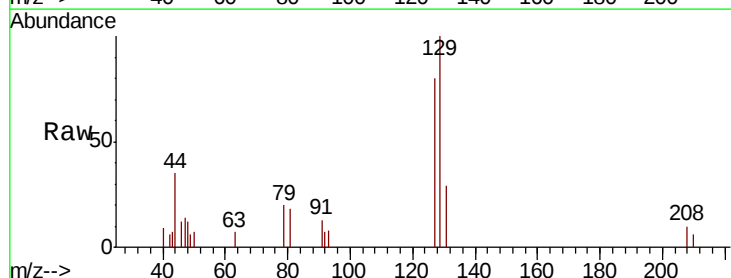
Manual Integrations
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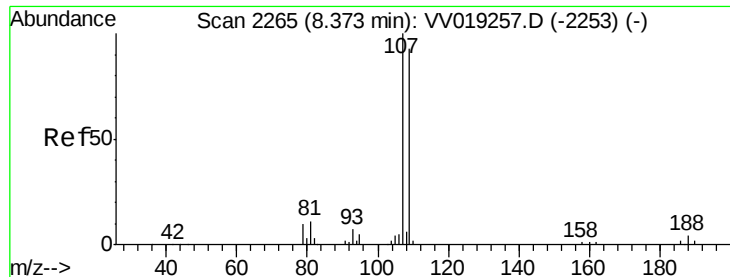
MMDadoda
11/6/2020 11:03:56 AM



#49
Dibromochloromethane
Concen: 2.109 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.4	101.0





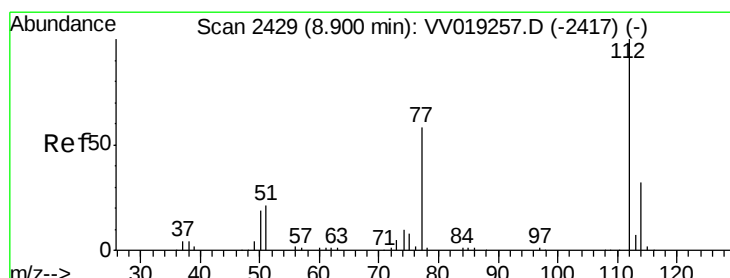
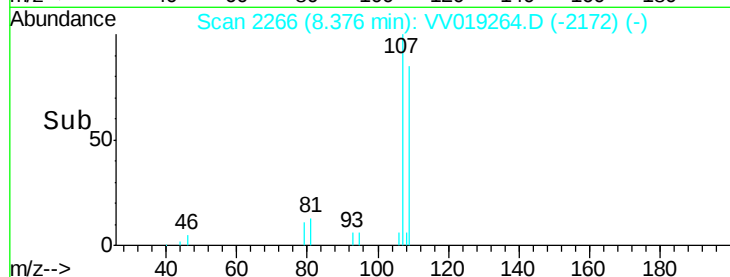
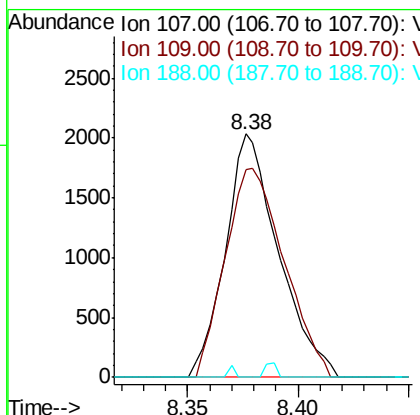
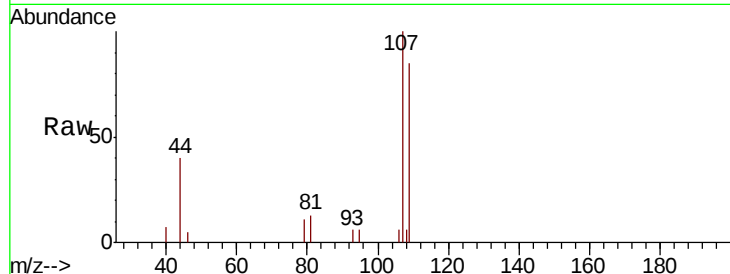
#50
1,2-Dibromoethane
Concen: 2.289 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.2	64.8	120.4
188	0.0	3.8	5.8#

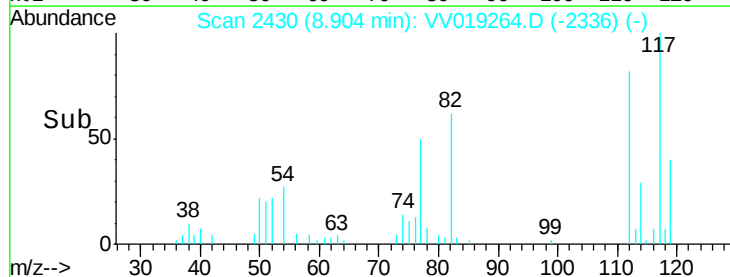
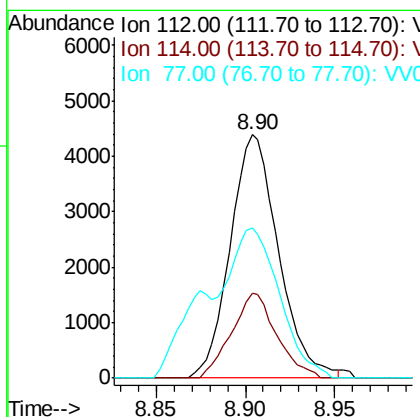
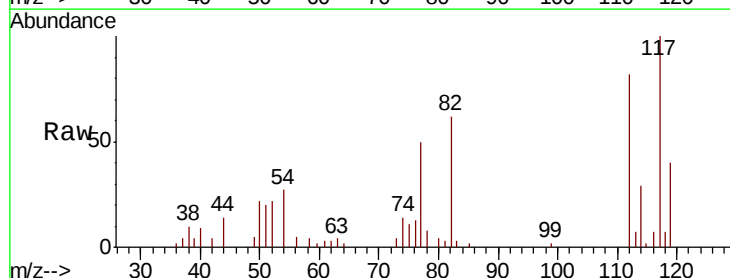
Manual Integrations
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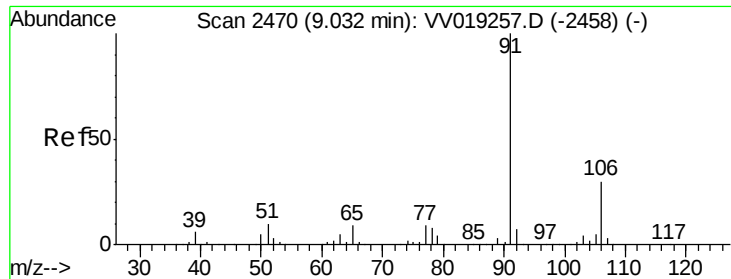
MMDadoda
11/6/2020 11:03:56 AM



#51
Chlorobenzene
Concen: 2.110 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.7	22.7	42.1
77	61.5	47.3	70.9





#52

Ethylbenzene

Concen: 1.874 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-06

Tot Ion: 91 Resp: 12116

Ion Ratio Lower Upper

91 100

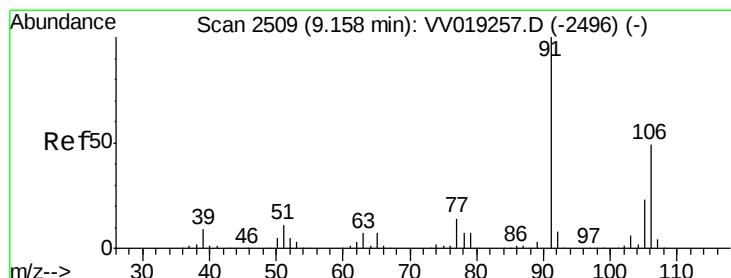
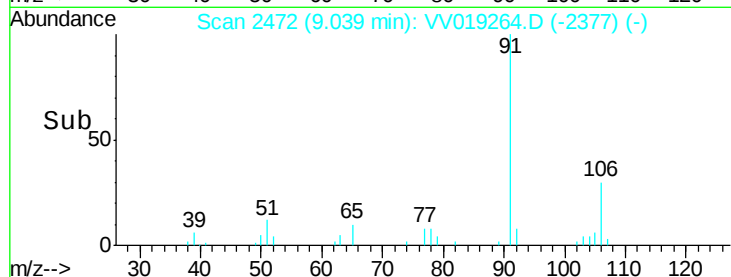
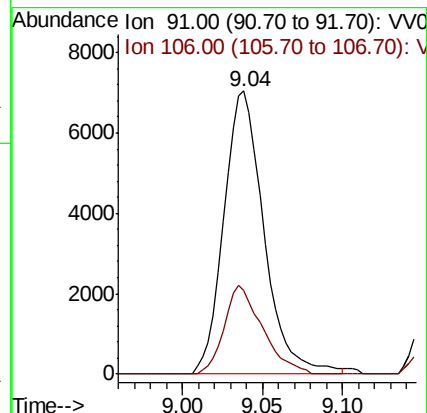
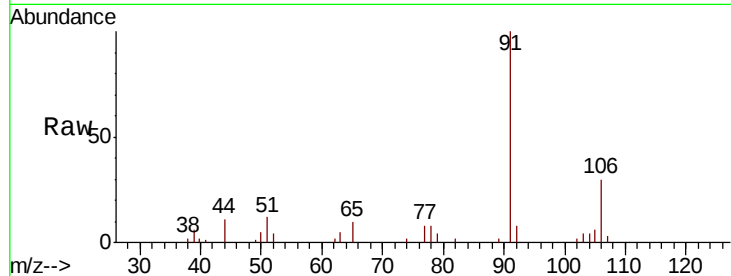
106 29.8 21.6 40.0

Manual Integrations

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11/6/2020 11:03:56 AM



#53

m,p-Xylene

Concen: 1.870 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019264.D

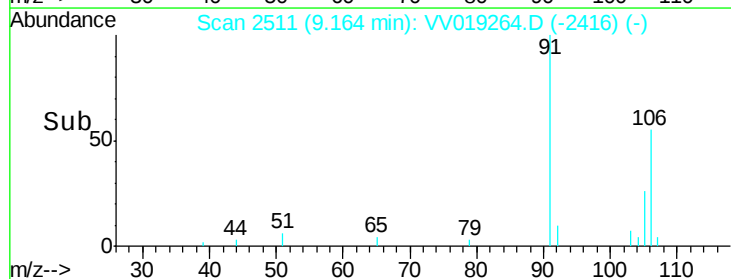
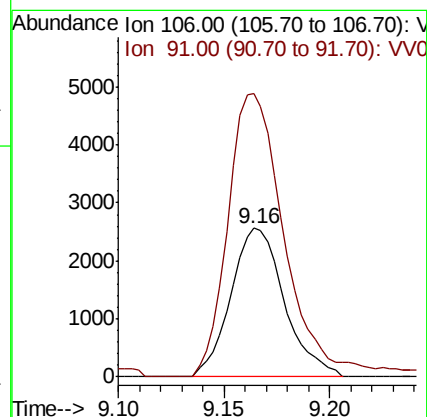
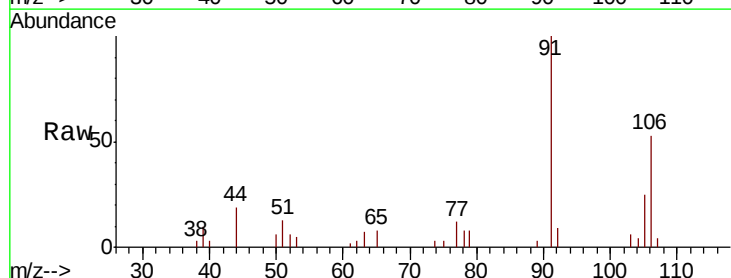
Acq: 05 Nov 2020 00:20

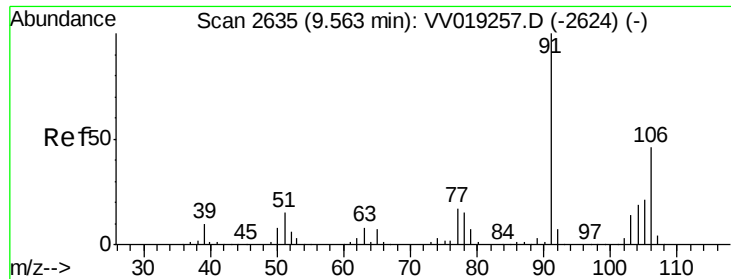
Tgt Ion: 106 Resp: 4525

Ion Ratio Lower Upper

106 100

91 190.3 147.2 273.4





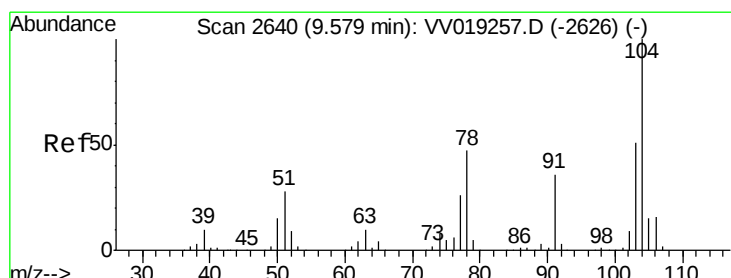
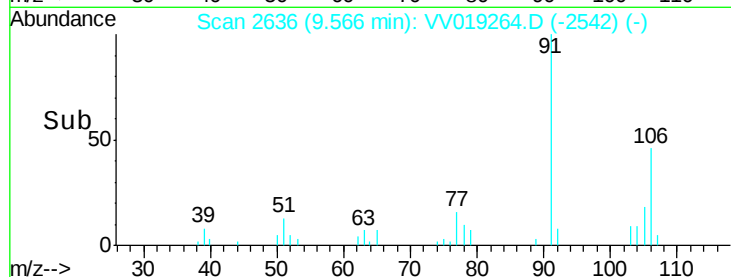
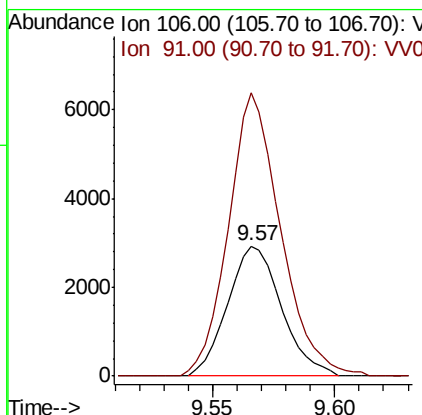
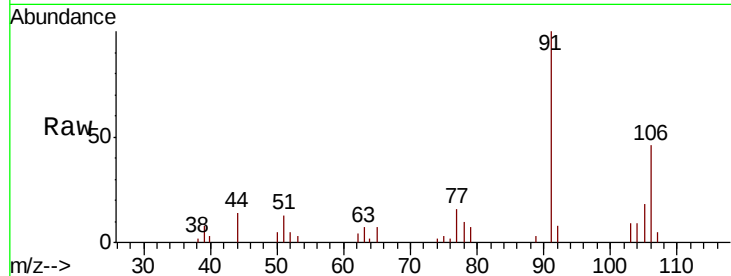
#54
o-Xylene
Concen: 1.888 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion:106 Resp: 4503
Ion Ratio Lower Upper
106 100
91 217.5 151.6 281.6

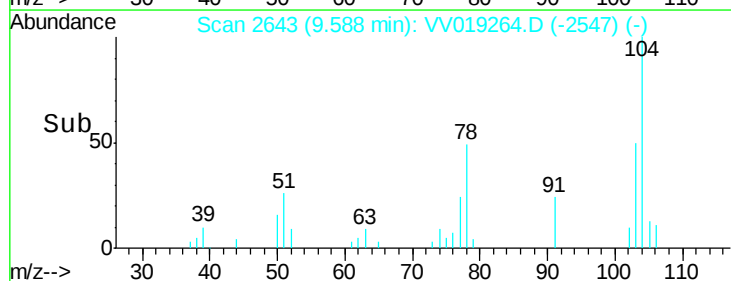
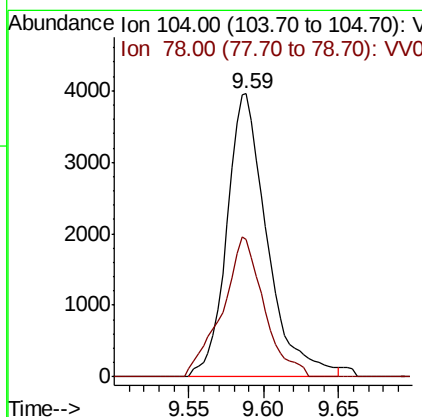
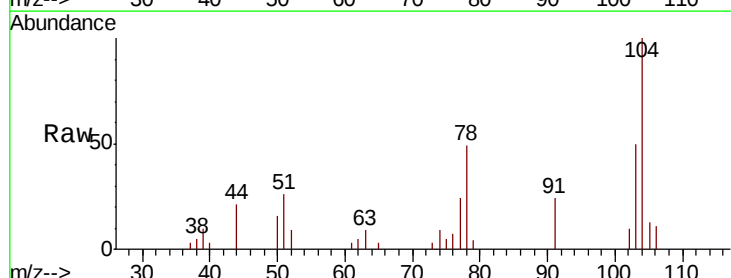
Manual Integrations
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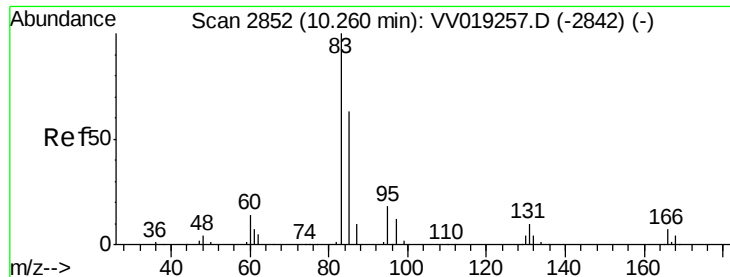
MMDadoda
11/6/2020 11:03:56 AM



#55
Styrene
Concen: 1.749 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion:104 Resp: 7424
Ion Ratio Lower Upper
104 100
78 48.6 32.6 60.5





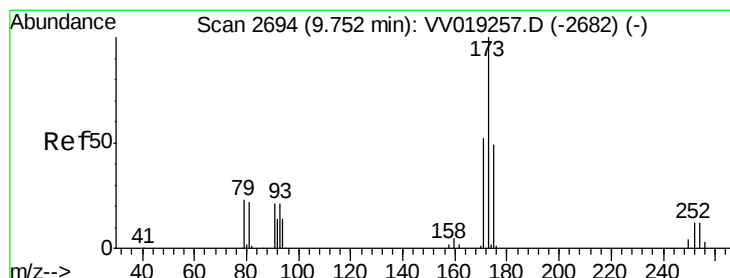
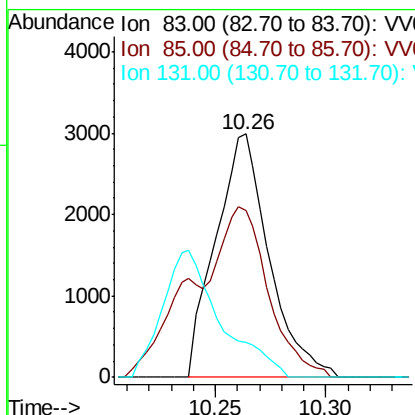
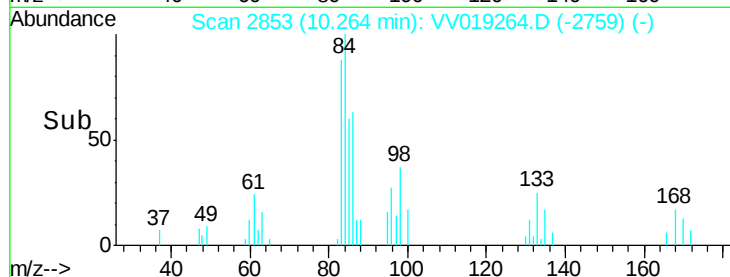
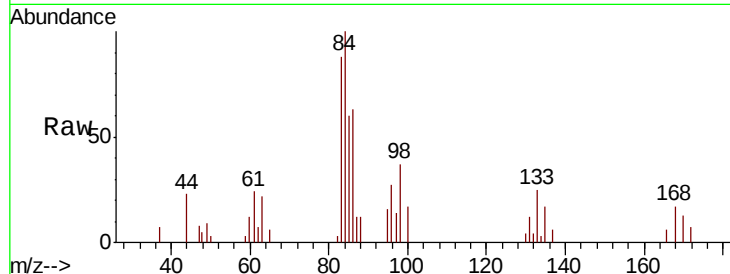
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.323 ug/L
 RT: 10.26 min Scan# 2853
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.3	45.0	83.6
131	14.1	8.9	13.3#

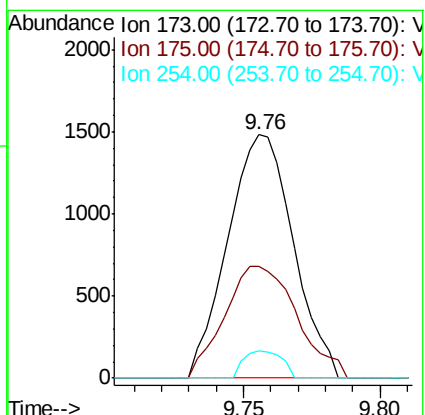
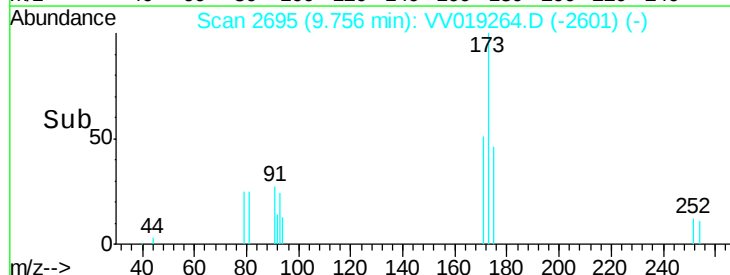
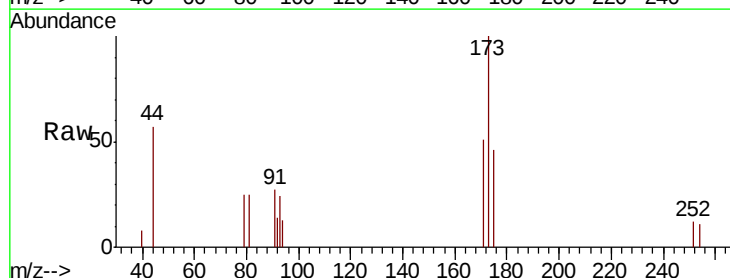
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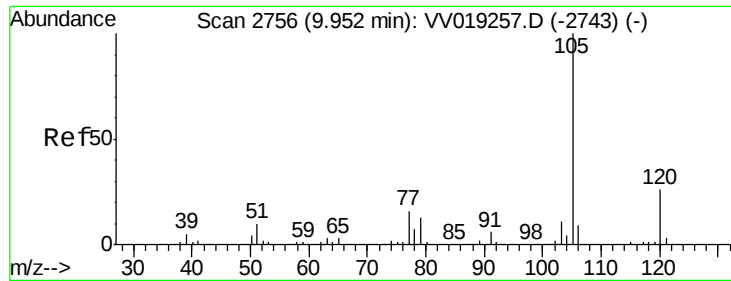
MMDadoda
 11/6/2020 11:03:56 AM



#59
 Bromoform
 Concen: 2.100 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	38.4	57.6
254	6.5	9.0	13.6#





#60

Isopropylbenzene

Concen: 1.822 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

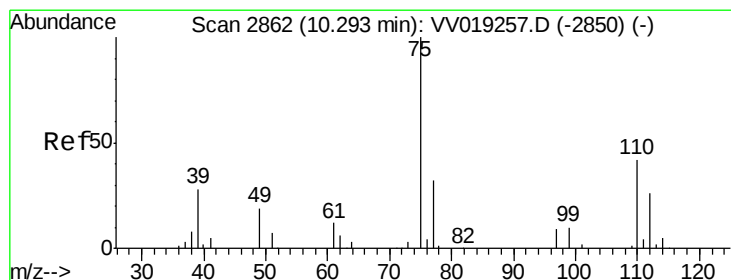
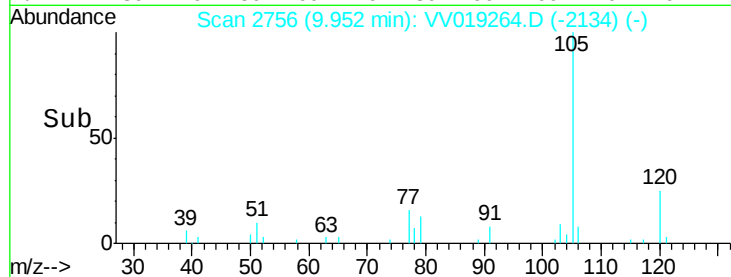
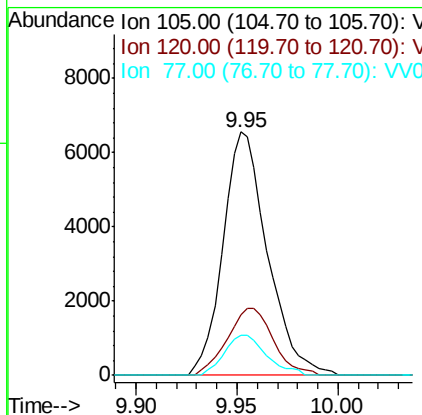
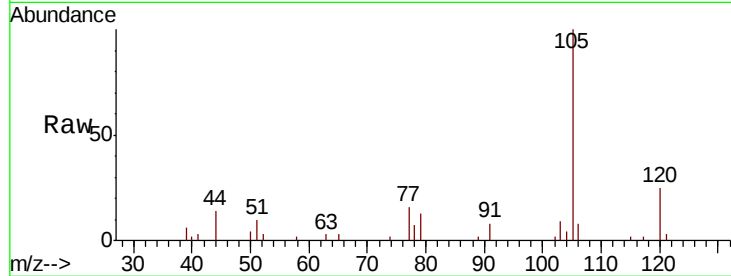
ClientSampleId :

MDL-WATER-06

Tot Ion:	105	Resp:	10119
Ion Ratio	Lower	Upper	
105	100		
120	28.3	21.0	31.4
77	15.5	13.0	19.6

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#61

1,2,3-Trichloropropane

Concen: 2.571 ug/L

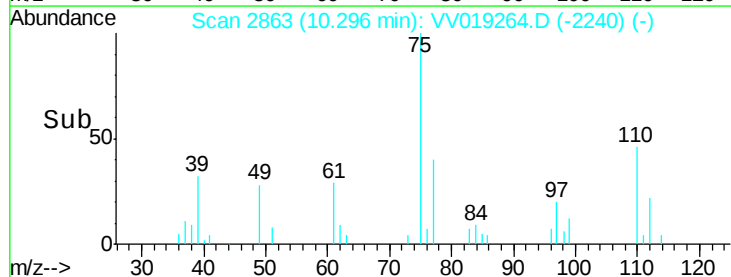
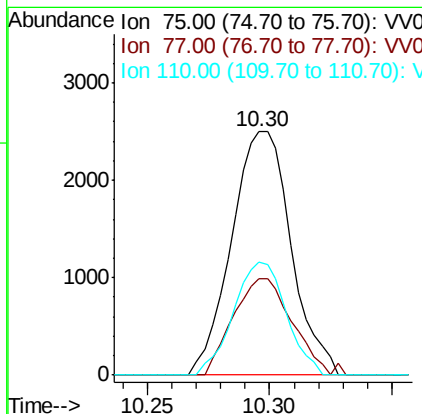
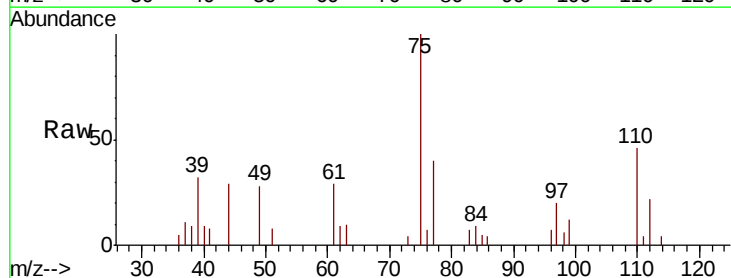
RT: 10.30 min Scan# 2863

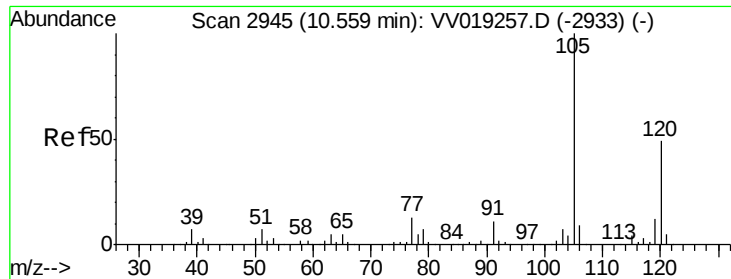
Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion:	75	Resp:	4232
Ion Ratio	Lower	Upper	
75	100		
77	38.9	24.8	37.2#
110	41.0	33.4	50.2





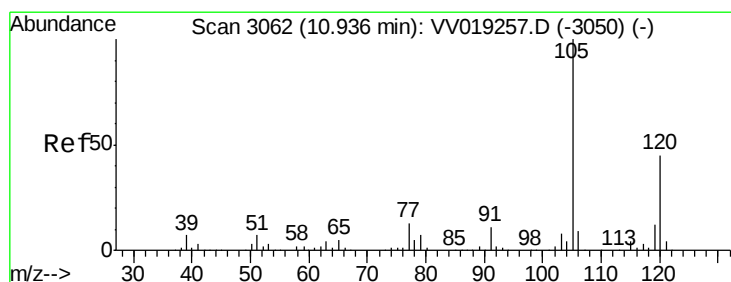
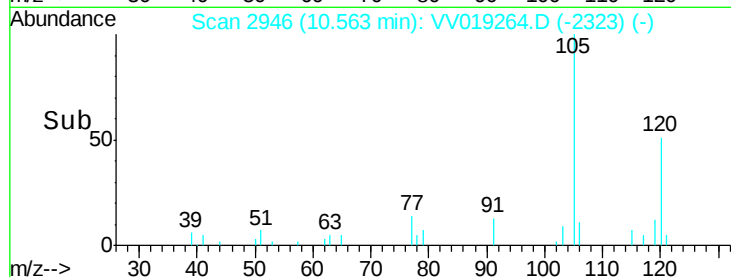
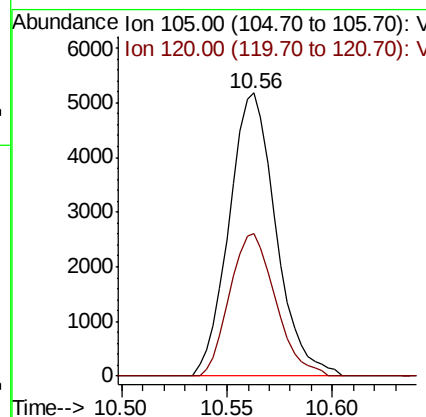
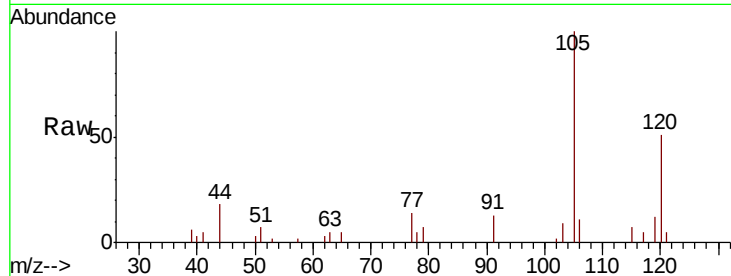
#62
 1,3,5-Trimethylbenzene
 Concen: 1.729 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion:105 Resp: 7999
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.3 57.5

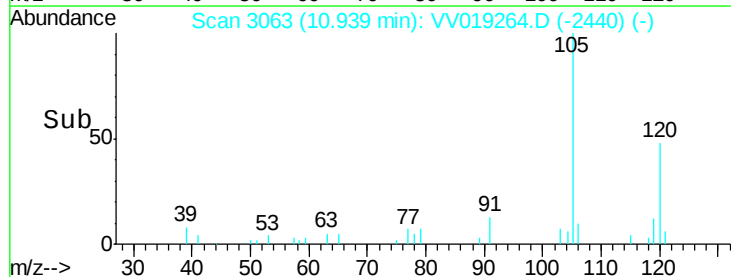
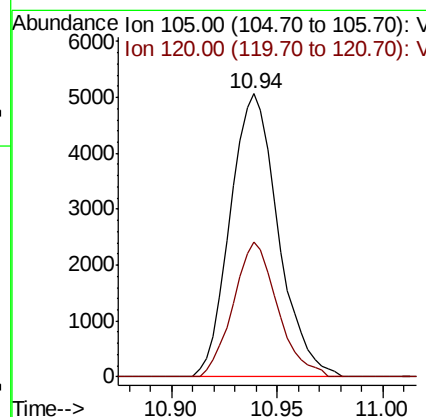
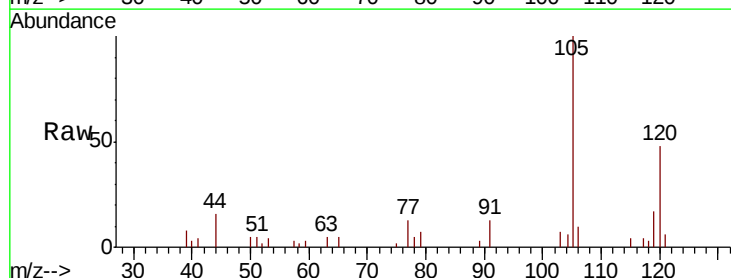
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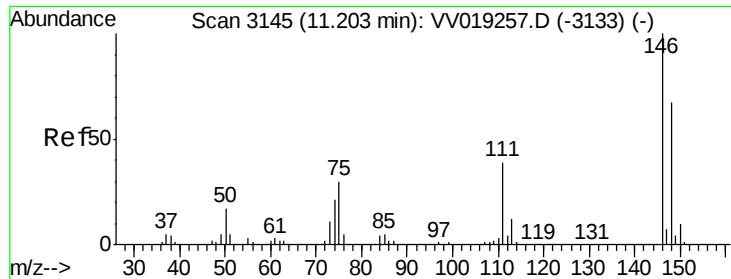
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.769 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion:105 Resp: 8006
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.7 53.5





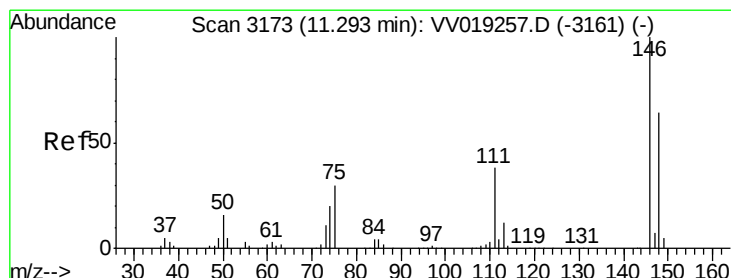
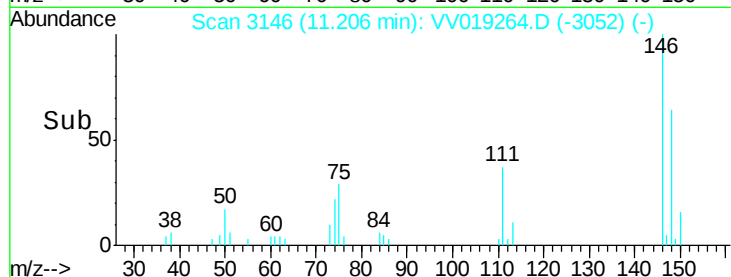
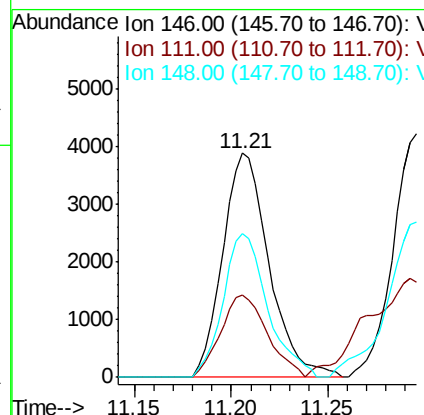
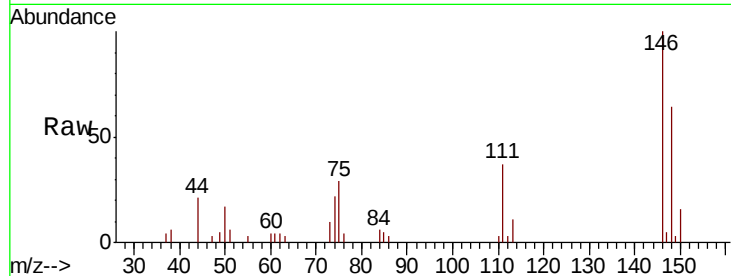
#64
 1,3-Dichlorobenzene
 Concen: 2.224 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	27.3	50.7
148	64.3	45.2	84.0

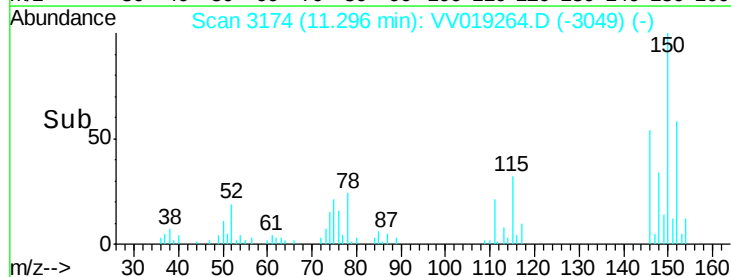
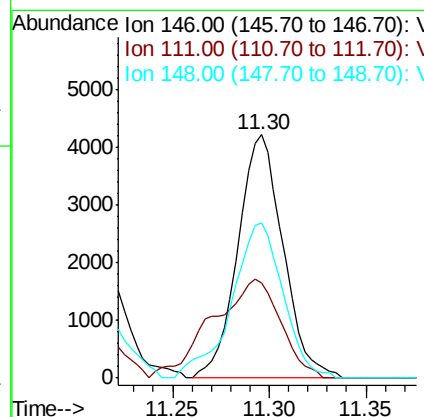
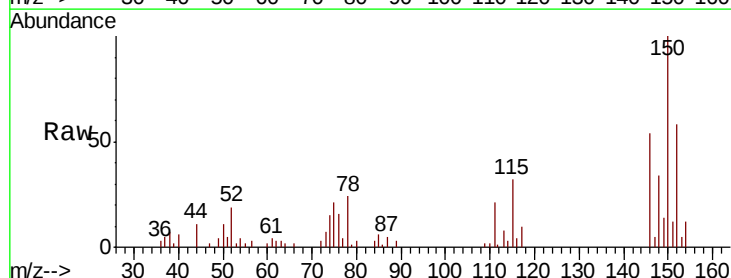
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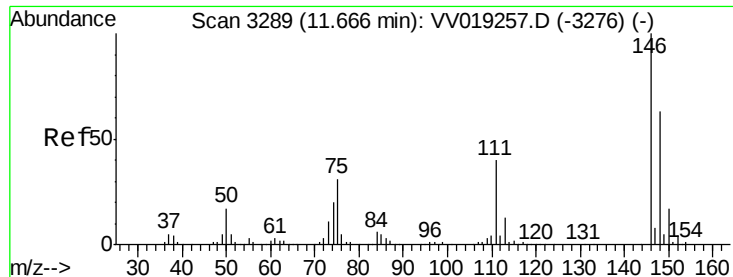
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#65
 1,4-Dichlorobenzene
 Concen: 2.285 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	25.9	48.1
148	63.8	44.9	83.5





#67

1,2-Dichlorobenzene

Concen: 2.335 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Instrument :

MSVOA_V

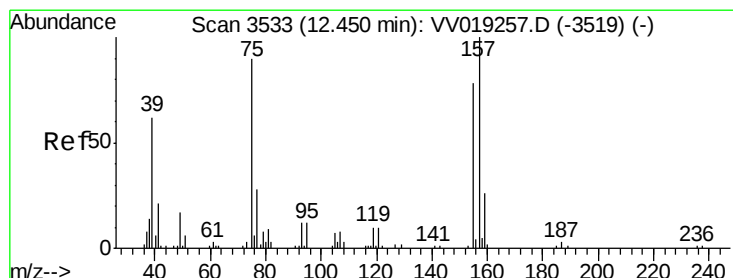
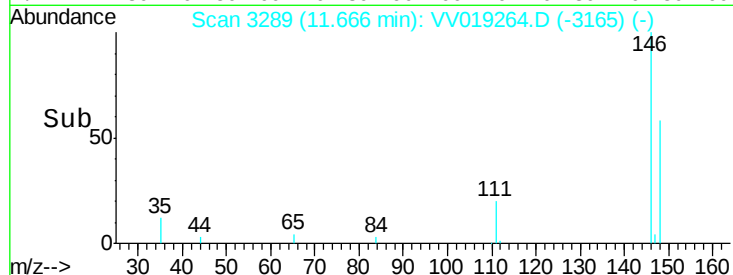
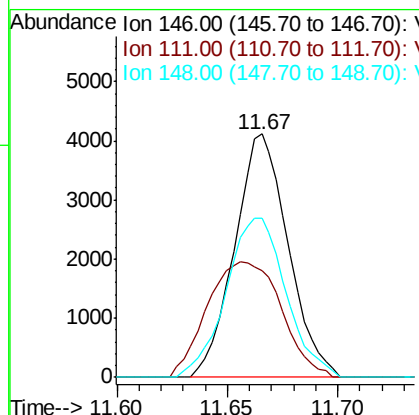
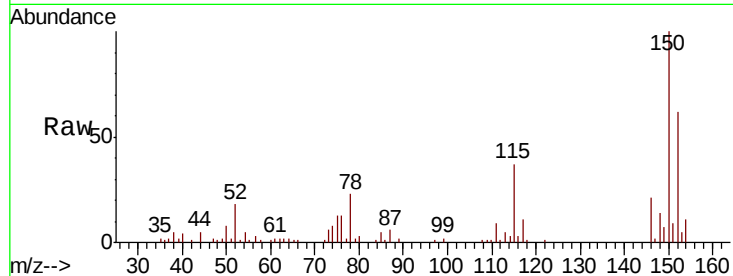
ClientSampleId :

MDL-WATER-06

Tot Ion:	146	Resp:	6940
Ion Ratio	Lower	Upper	
146	100		
111	43.8	32.6	48.8
148	65.1	50.1	75.1

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11/6/2020 11:03:56 AM



#68

1,2-Dibromo-3-chloropropane

Concen: 2.353 ug/L

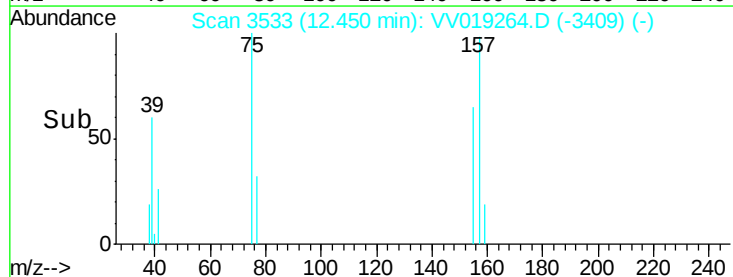
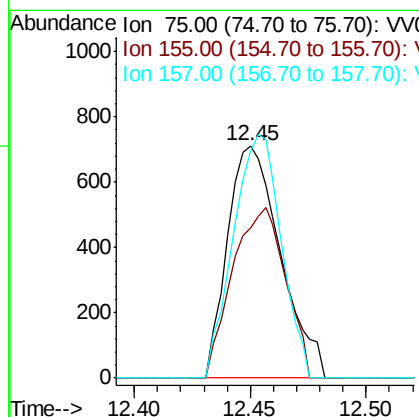
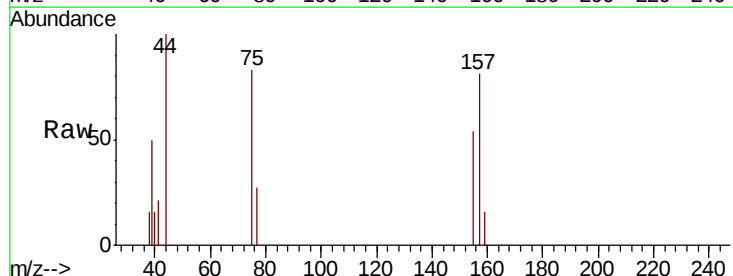
RT: 12.45 min Scan# 3533

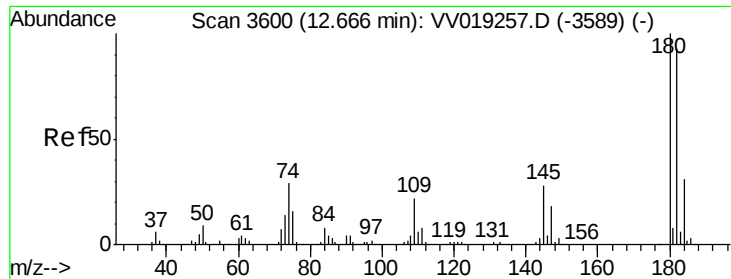
Delta R.T. 0.00 min

Lab File: VV019264.D

Acq: 05 Nov 2020 00:20

Tgt Ion:	75	Resp:	1130
Ion Ratio	Lower	Upper	
75	100		
155	64.7	65.8	98.6#
157	98.0	86.3	129.5





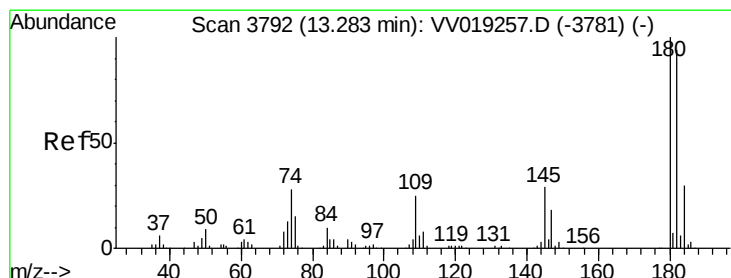
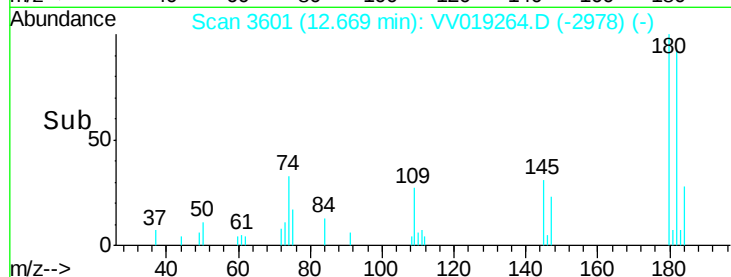
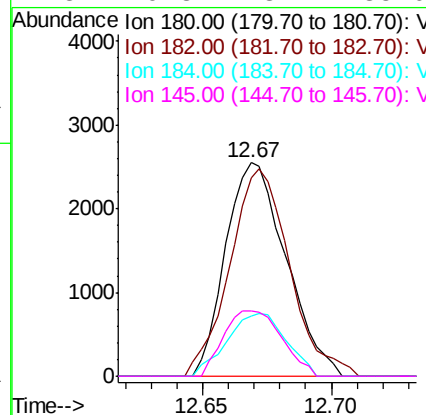
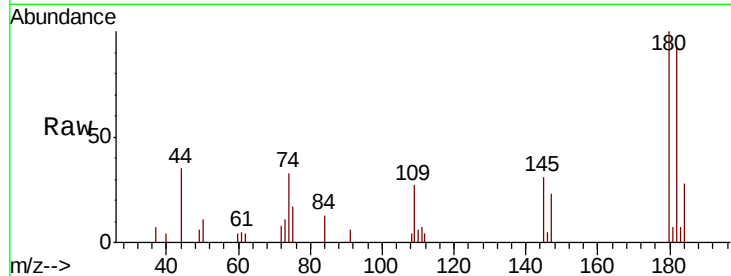
#69
 1,3,5-Trichlorobenzene
 Concen: 1.989 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.7	116.5
184	28.8	24.9	37.3
145	29.3	23.4	35.0

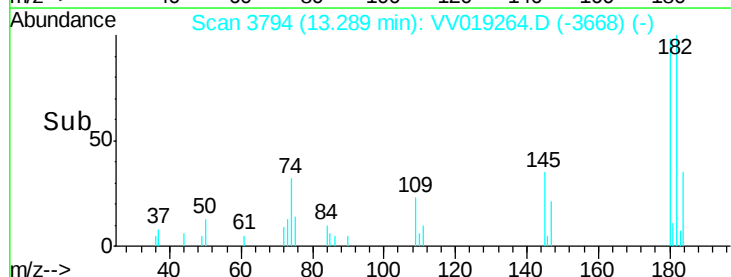
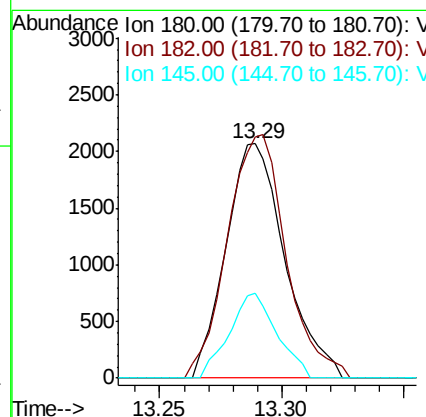
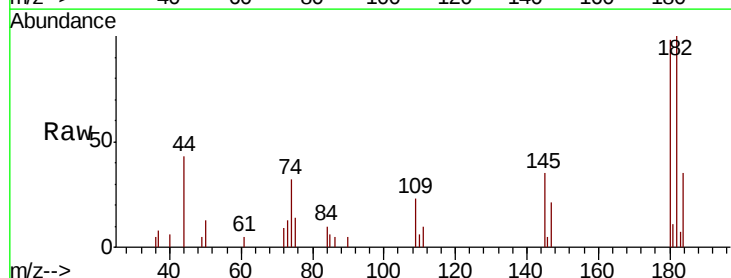
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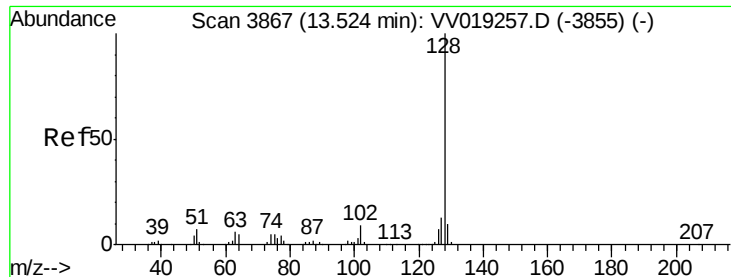
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#70
 1,2,4-trichlorobenzene
 Concen: 1.770 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019264.D
 Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.5	76.6	114.8
145	29.2	23.2	34.8





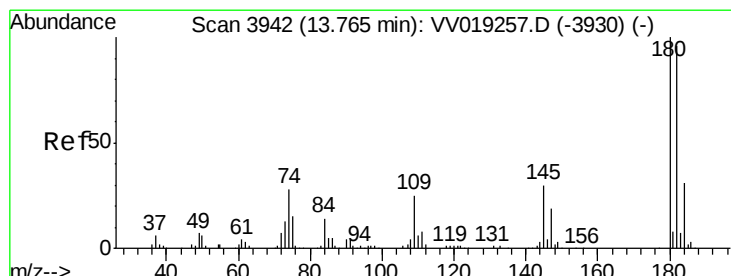
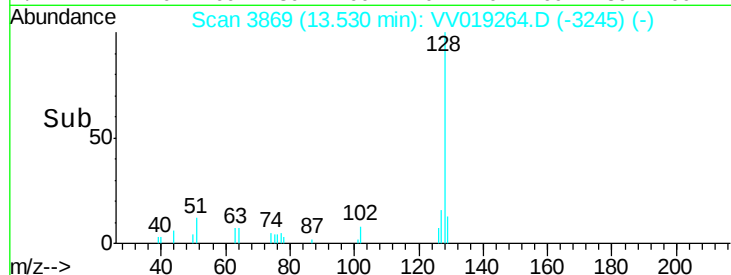
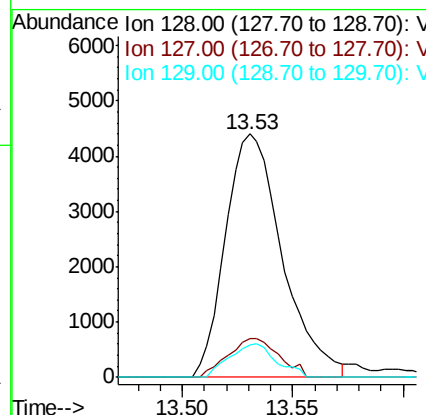
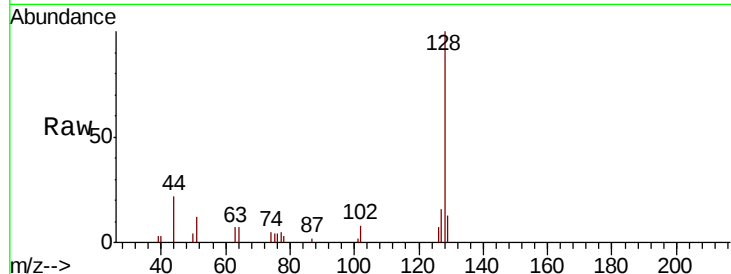
#71
Naphthalene
Concen: 1.420 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-06

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.3	8.6	13.0

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11/6/2020 11:03:56 AM



#72
1,2,3-Trichlorobenzene
Concen: 1.987 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019264.D
Acq: 05 Nov 2020 00:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.4	116.0
145	25.7	24.7	37.1

