

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123020\
 Data File : VV019875.D
 Acq On : 30 Dec 2020 13:17
 Operator : SY/MD
 Sample : L4485-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-05

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 12:17:31 PM

Quant Time: Jan 04 10:10:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	273099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	257635	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	120004	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91179	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.57	69	78102	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.11	63	145081	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.94	46	196988	47.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.02%
24) Chloroform-d	4.35	84	158716	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.04	65	87840	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.05	84	329739	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.08	67	104351	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.32	98	283021	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.63	79	32291	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.10	63	124792	41.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.86%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	58235	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
66) 1,2-Dichlorobenzene-d4	11.63	152	90242	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	7410	0.284	ug/L 98
3) Chloromethane	1.24	50	8056	0.279	ug/L 99
5) Vinyl chloride	1.31	62	7892	0.278	ug/L 88
6) Bromomethane	1.52	94	4658	0.281	ug/L 97
8) Chloroethane	1.59	64	5142	0.297	ug/L 89
9) Trichlorofluoromethane	1.75	101	9147	0.266	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	6728	0.363	ug/L 90
12) 1,1-Dichloroethene	2.12	96	6165	0.326	ug/L # 1
13) Acetone	2.23	43	9650m	3.104	ug/L
14) Carbon disulfide	2.29	76	17454	0.266	ug/L 100
15) Methyl Acetate	2.45	43	1663m	0.214	ug/L
16) Methylene chloride	2.51	84	9125	0.396	ug/L 93
17) Methyl tert-butyl Ether	2.78	73	11382	0.240	ug/L # 91
18) trans-1,2-Dichloroethene	2.76	96	5527	0.259	ug/L 87
19) 1,1-Dichloroethane	3.20	63	10888	0.263	ug/L 98
21) 2-Butanone	4.02	43	13568m	2.594	ug/L
22) cis-1,2-Dichloroethene	3.93	96	5792	0.261	ug/L 98

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Manual Integrations
 APPROVED

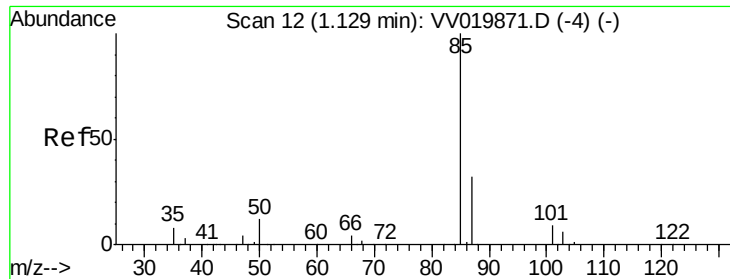
MMDadoda
 1/4/2021 12:17:31 PM

Quant Time: Jan 04 10:10:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	4.26	128	2473	0.279	ug/L	97
25) Chloroform	4.38	83	20369	0.495	ug/L	97
27) 1,2-Dichloroethane	5.14	62	6253	0.249	ug/L	97
29) 1,1,1-Trichloroethane	4.62	97	9028	0.257	ug/L #	86
30) Cyclohexane	4.68	56	9699	0.274	ug/L	98
31) Carbon tetrachloride	4.83	117	7558	0.263	ug/L	93
33) Benzene	5.11	78	23196	0.269	ug/L	100
34) Trichloroethene	5.92	95	6247	0.271	ug/L	94
35) Methylcyclohexane	6.14	83	9027	0.262	ug/L	96
37) 1,2-Dichloropropane	6.19	63	5474	0.253	ug/L #	91
38) Bromodichloromethane	6.52	83	7155	0.268	ug/L #	91
39) cis-1,3-Dichloropropene	7.04	75	7284	0.245	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	28831	2.360	ug/L #	90
42) Toluene	7.40	91	22902	0.261	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	6515	0.268	ug/L	92
45) 1,1,2-Trichloroethane	7.85	97	3519	0.252	ug/L	92
47) Tetrachloroethene	7.98	164	4559	0.291	ug/L	84
48) 2-Hexanone	8.15	43	37096	4.381	ug/L	91
49) Dibromochloromethane	8.25	129	3525	0.233	ug/L	97
50) 1,2-Dibromoethane	8.36	107	3163	0.249	ug/L #	91
51) Chlorobenzene	8.89	112	15081	0.272	ug/L	98
52) Ethylbenzene	9.02	91	23745	0.245	ug/L	97
53) m,p-xylene	9.15	106	9450	0.266	ug/L	89
54) o-xylene	9.55	106	8337	0.245	ug/L	91
55) Styrene	9.57	104	12767	0.222	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.25	83	4113	0.278	ug/L #	91
59) Bromoform	9.74	173	1581	0.243	ug/L #	89
60) Isopropylbenzene	9.94	105	21705	0.248	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	3056	0.263	ug/L	94
62) 1,3,5-Trimethylbenzene	10.55	105	17162	0.238	ug/L	98
63) 1,2,4-Trimethylbenzene	10.92	105	17570	0.239	ug/L	100
64) 1,3-Dichlorobenzene	11.19	146	9853	0.257	ug/L	98
65) 1,4-Dichlorobenzene	11.28	146	10908	0.283	ug/L	96
67) 1,2-Dichlorobenzene	11.65	146	9891	0.280	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.43	75	548m	0.229	ug/L	
69) 1,3,5-Trichlorobenzene	12.66	180	7786	0.274	ug/L	98
70) 1,2,4-trichlorobenzene	13.27	180	5341	0.231	ug/L	94
71) Naphthalene	13.51	128	6362	0.182	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	4799	0.244	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.284 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 85 Resp: 7410

Ion Ratio Lower Upper

85 100

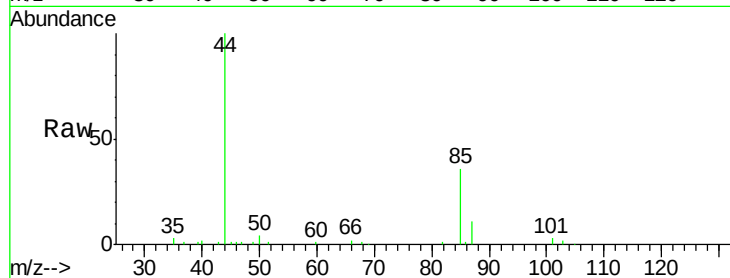
87 31.0 25.6 38.4

Manual Integrations

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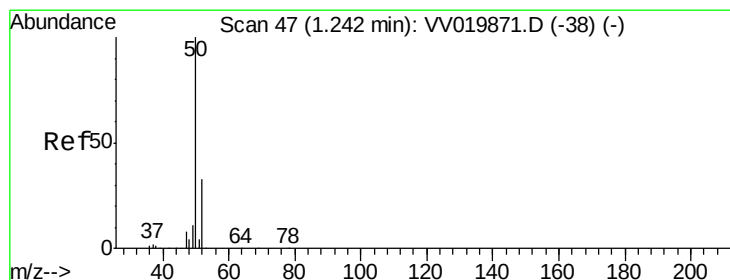
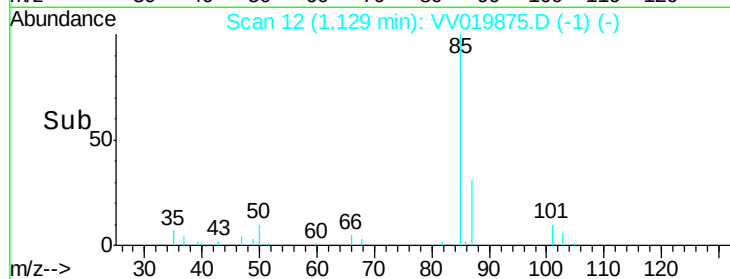
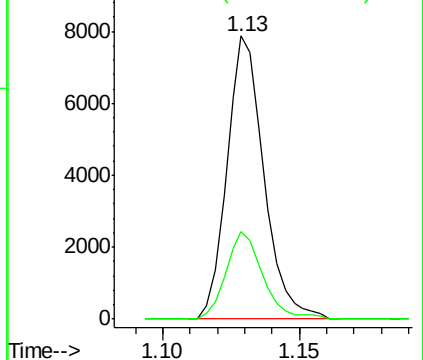
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.279 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019875.D

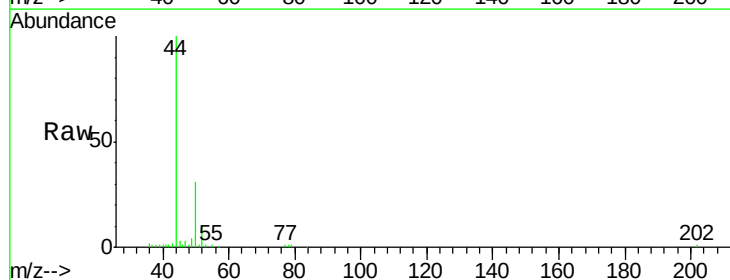
Acq: 30 Dec 2020 13:17

Tgt Ion: 50 Resp: 8056

Ion Ratio Lower Upper

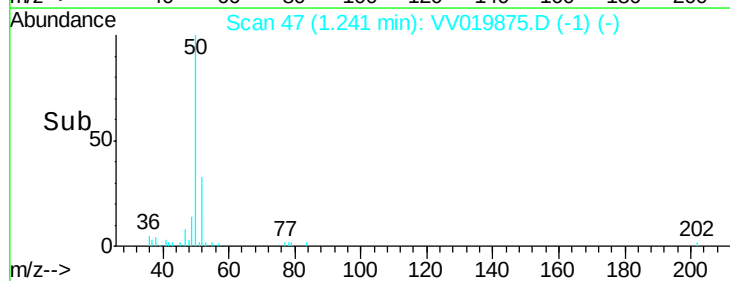
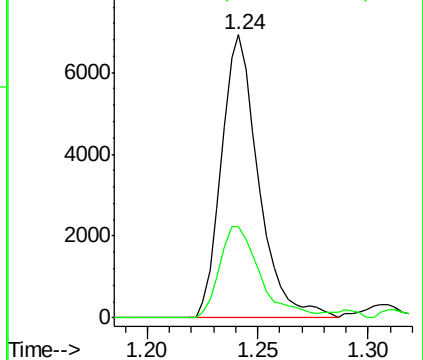
50 100

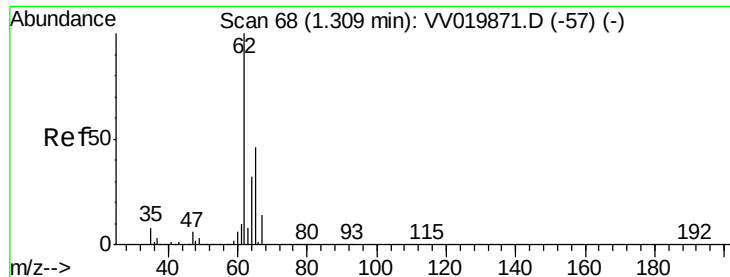
52 32.3 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.278 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 62 Resp: 7892

Ion Ratio Lower Upper

62 100

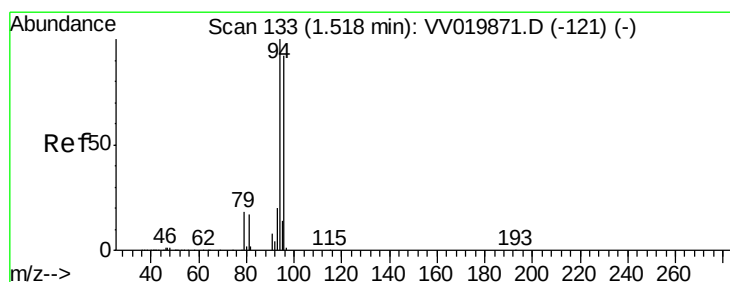
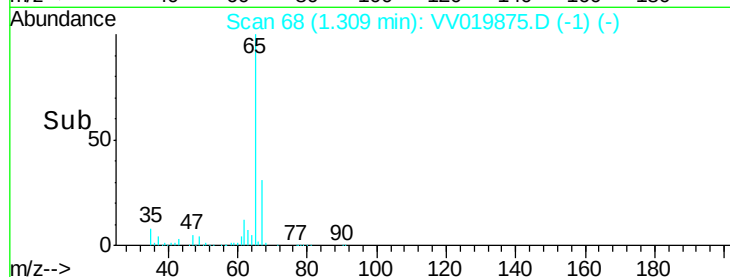
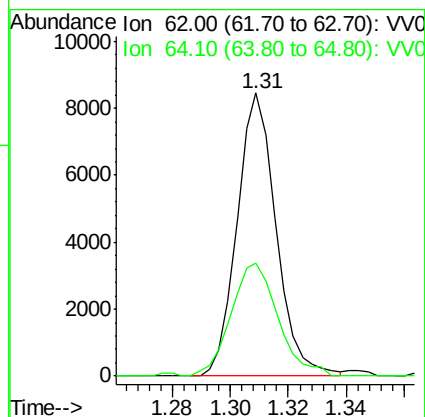
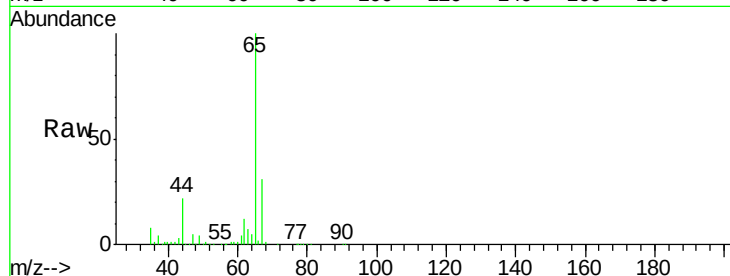
64 39.8 23.2 43.2

Manual Integrations

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1/4/2021 12:17:31 PM



#6

Bromomethane

Concen: 0.281 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV019875.D

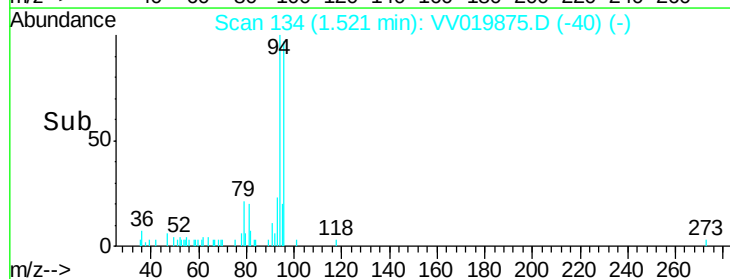
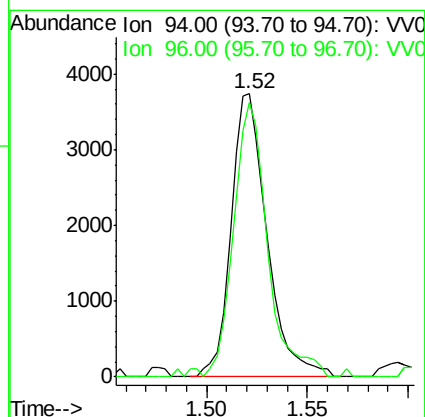
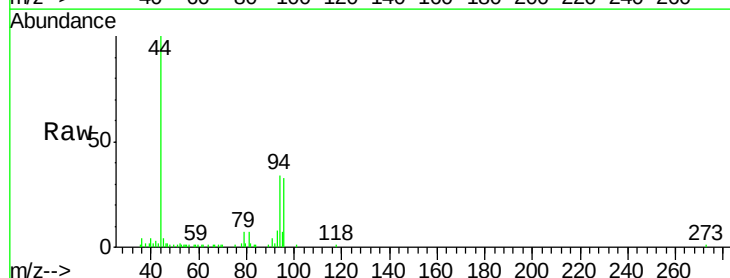
Acq: 30 Dec 2020 13:17

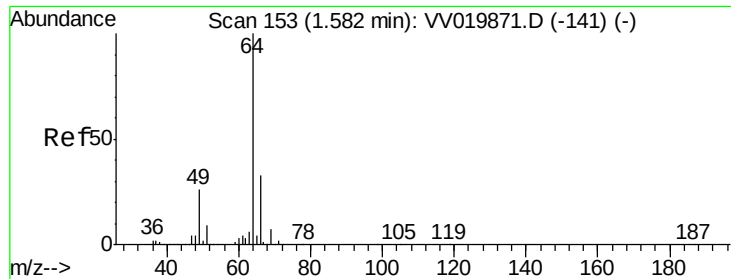
Tgt Ion: 94 Resp: 4658

Ion Ratio Lower Upper

94 100

96 96.9 65.6 121.8





#8

Chloroethane

Concen: 0.297 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 64 Resp: 5142

Ion Ratio Lower Upper

64 100

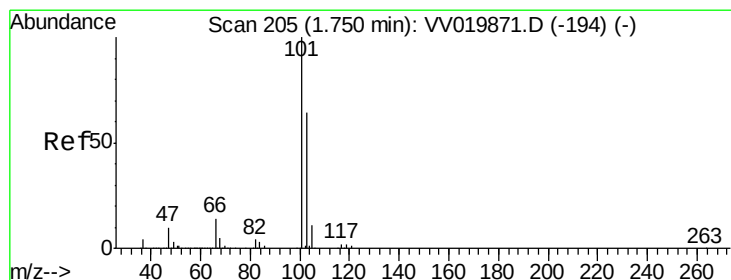
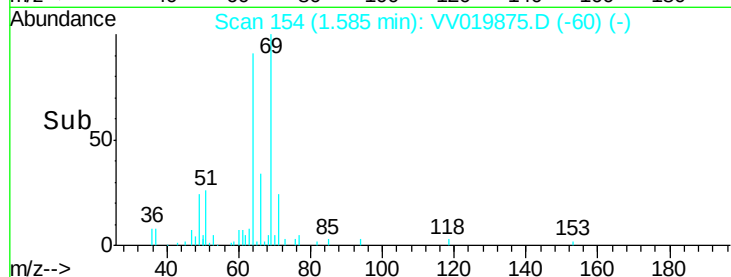
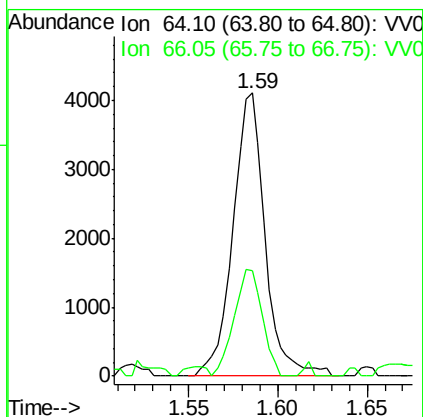
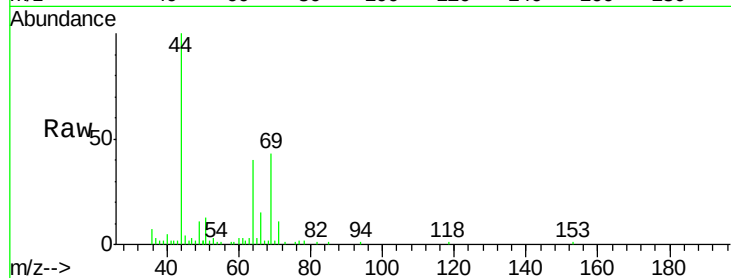
66 37.2 22.0 40.8

Manual Integrations

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1/4/2021 12:17:31 PM



#9

Trichlorofluoromethane

Concen: 0.266 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019875.D

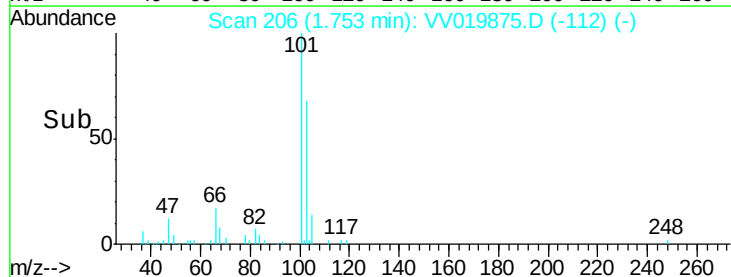
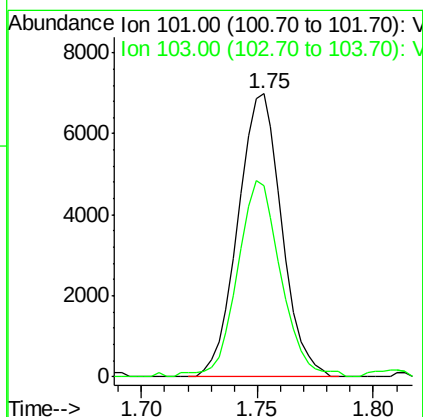
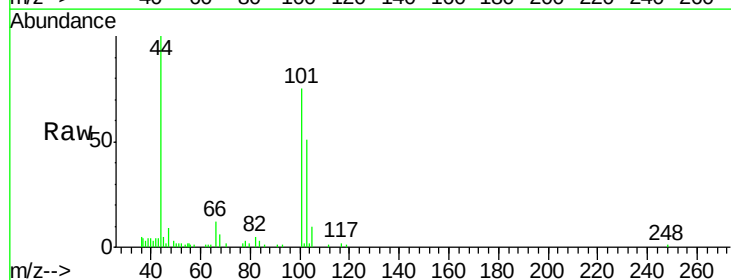
Acq: 30 Dec 2020 13:17

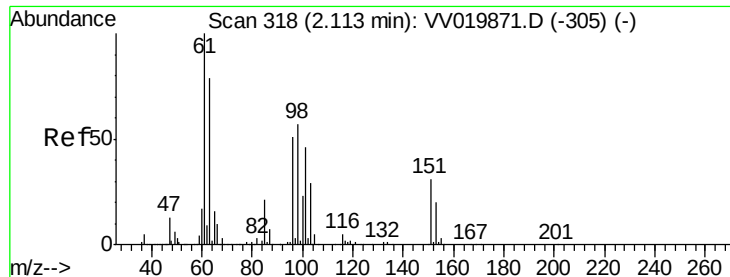
Tgt Ion: 101 Resp: 9147

Ion Ratio Lower Upper

101 100

103 69.1 51.8 77.8





#10

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

Concen: 0.363 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

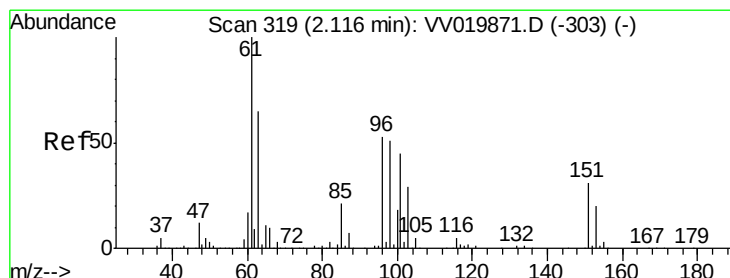
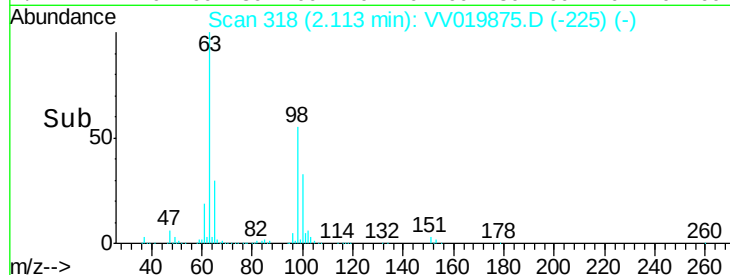
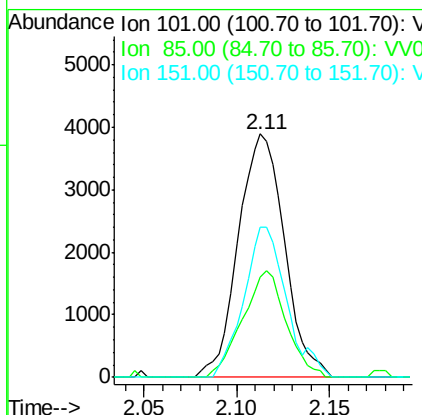
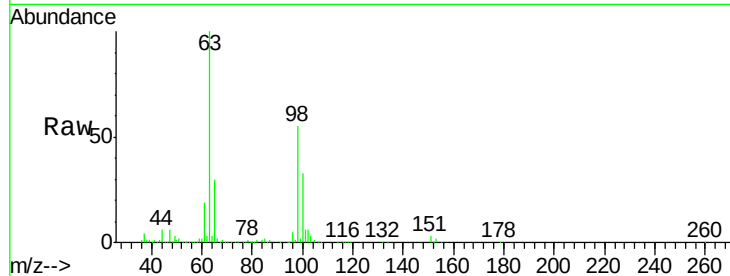
ClientSampleId :

MDL-WATER-05

Tot Ion:	101	Resp:	6728
Ion Ratio	Lower	Upper	
101	100		
85	41.4	36.4	54.6
151	57.4	54.1	81.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.326 ug/L

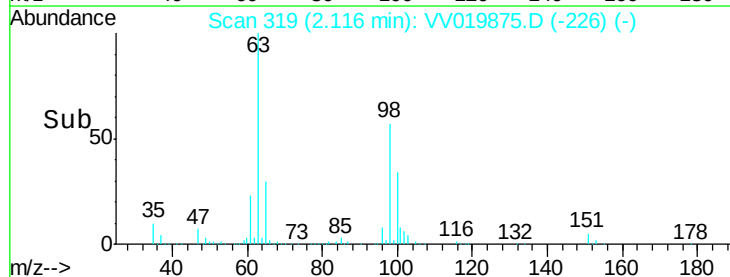
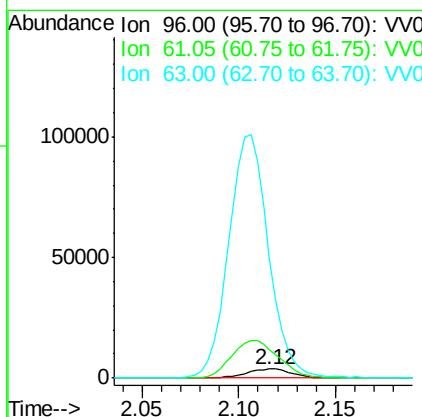
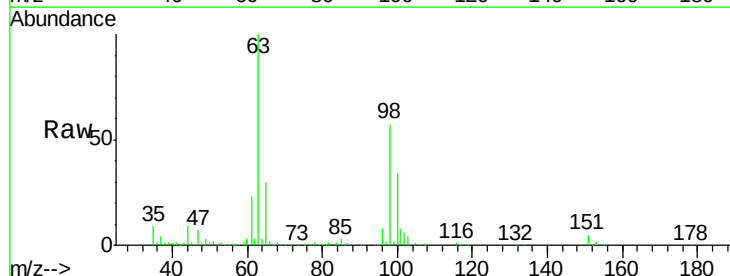
RT: 2.12 min Scan# 319

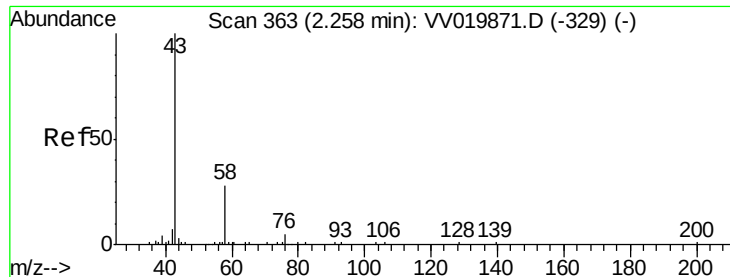
Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion:	96	Resp:	6165
Ion Ratio	Lower	Upper	
96	100		
61	306.8	131.5	244.1#
63	1316.2	95.2	176.8#





#13

Acetone

Concen: 3.104 ug/L m

RT: 2.23 min Scan# 356

Delta R.T. -0.02 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tot Ion: 43 Resp: 9650

Ion Ratio Lower Upper

43 100

58 0.7 0.0 31.4

Instrument :

MSVOA_V

ClientSampleId :

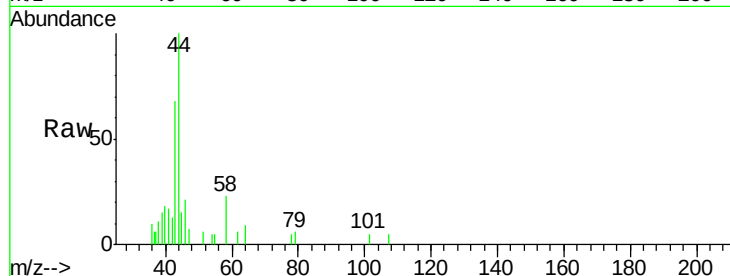
MDL-WATER-05

Manual Integrations

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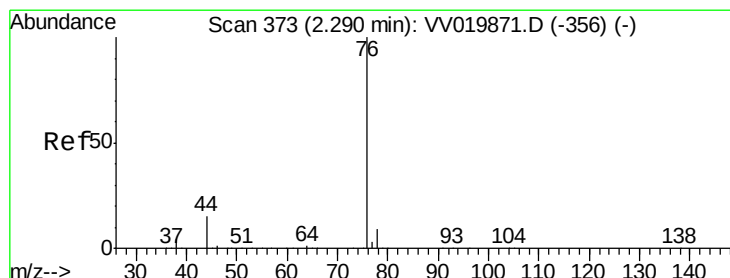
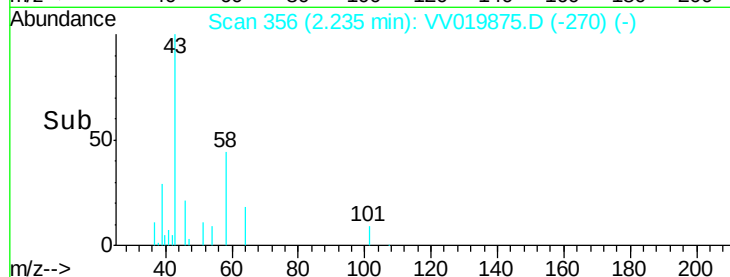
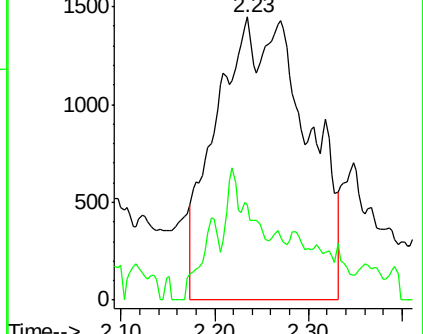
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1/4/2021 12:17:31 PM



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.266 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019875.D

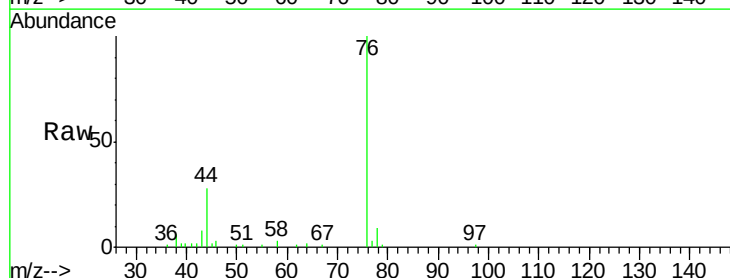
Acq: 30 Dec 2020 13:17

Tgt Ion: 76 Resp: 17454

Ion Ratio Lower Upper

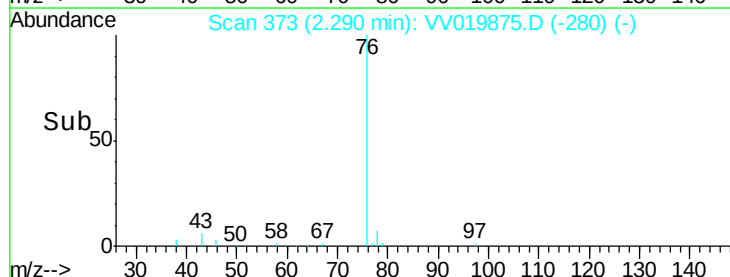
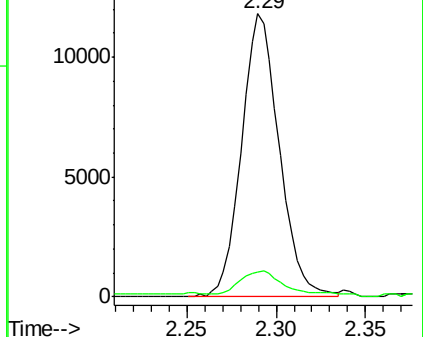
76 100

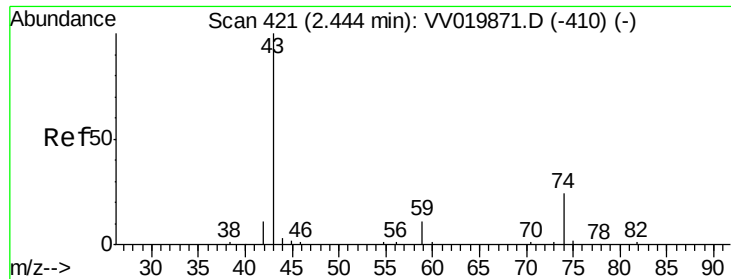
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





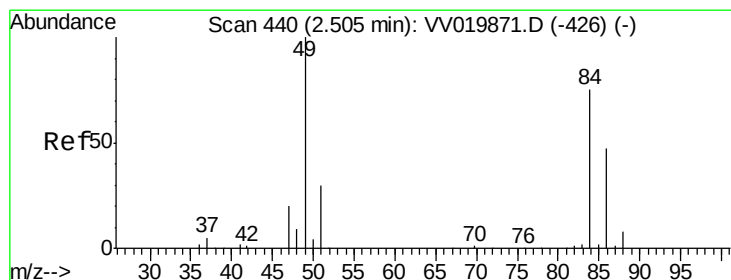
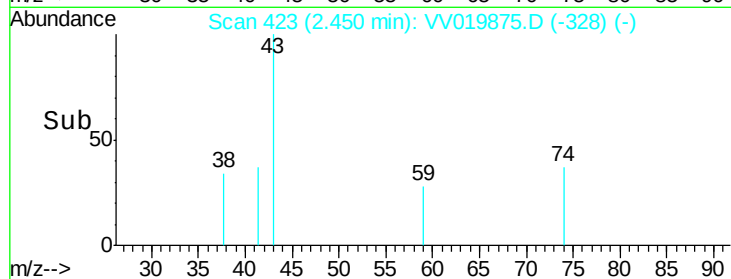
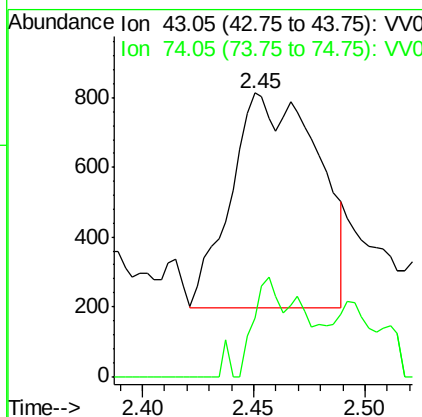
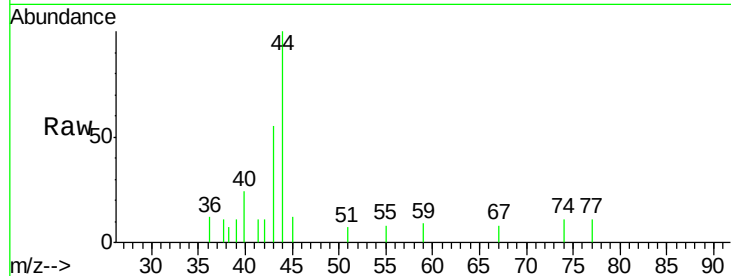
#15
Methvl Acetate
Concen: 0.214 ug/L m
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion: 43 Resp: 1663
Ion Ratio Lower Upper
43 100
74 14.4 10.6 16.0

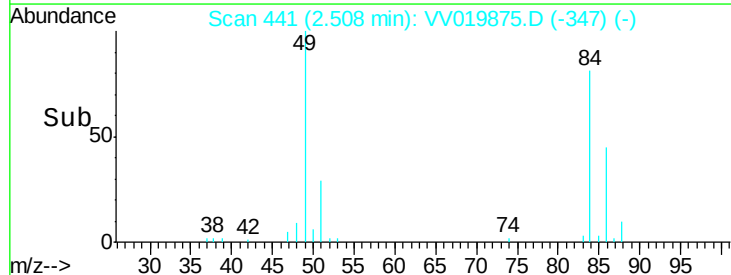
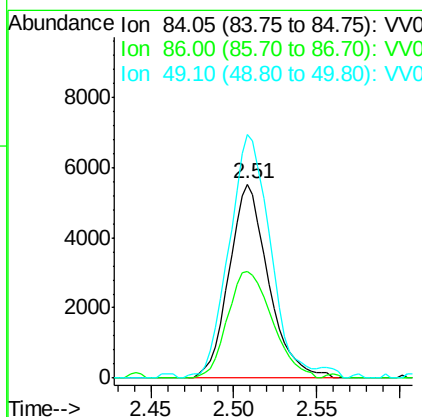
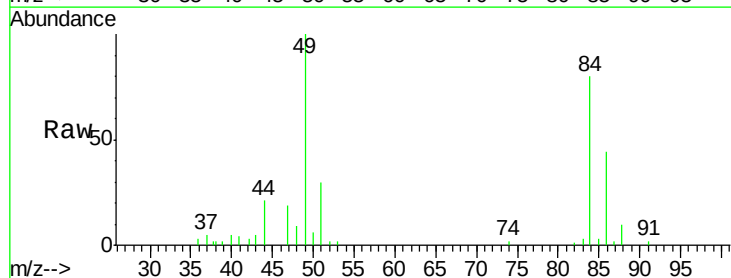
Manual Integrations
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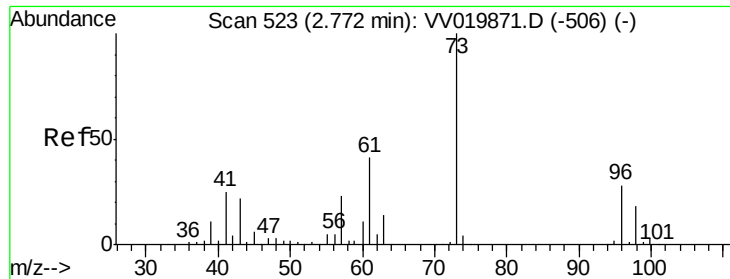
MMDadoda
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#16
Methylene chloride
Concen: 0.396 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 84 Resp: 9125
Ion Ratio Lower Upper
84 100
86 55.1 42.8 79.4
49 125.7 93.9 174.3





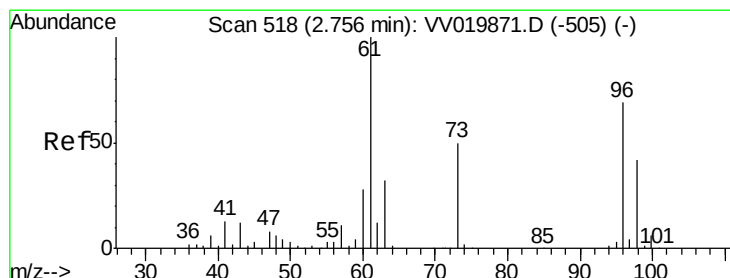
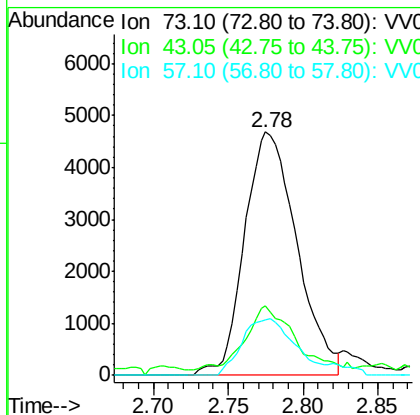
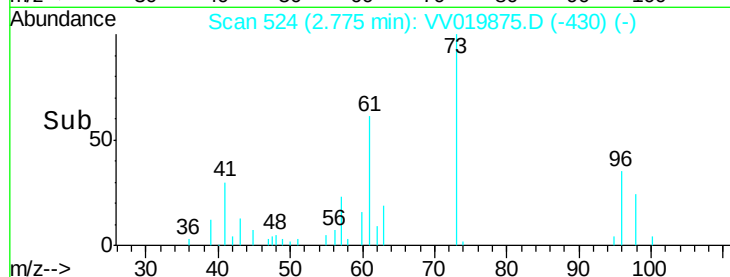
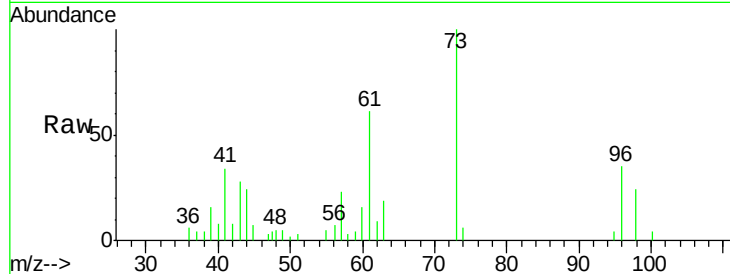
#17
Methyl tert-butyl Ether
Concen: 0.240 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
73	100		
43	27.6	17.0	25.6#
57	25.6	18.2	27.4

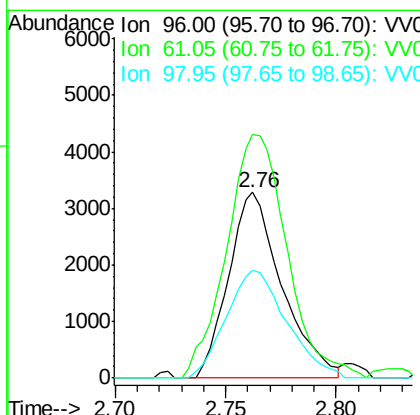
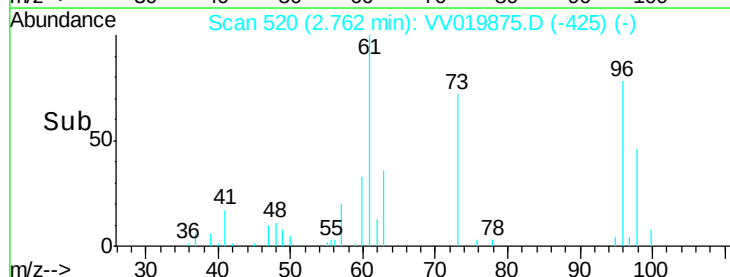
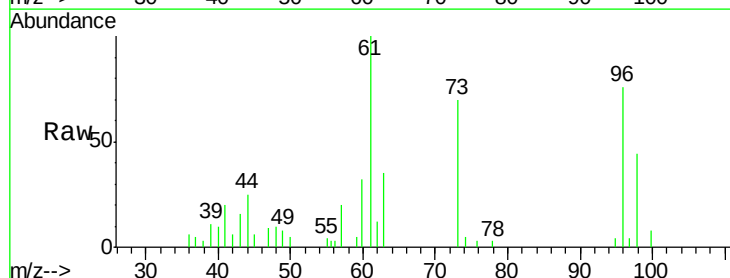
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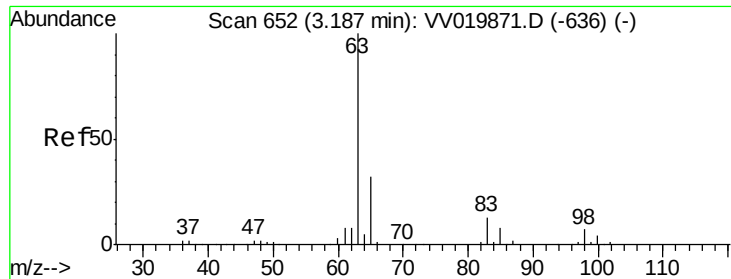
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 0.259 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.3	106.3	197.3
98	58.3	44.7	82.9





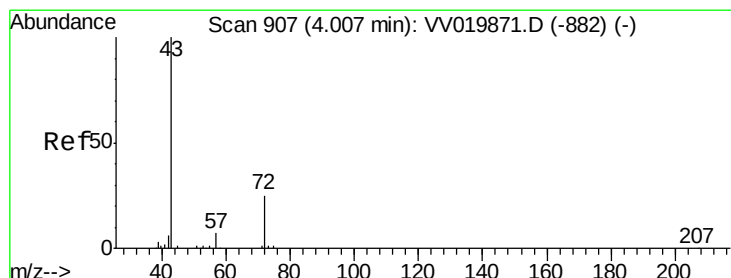
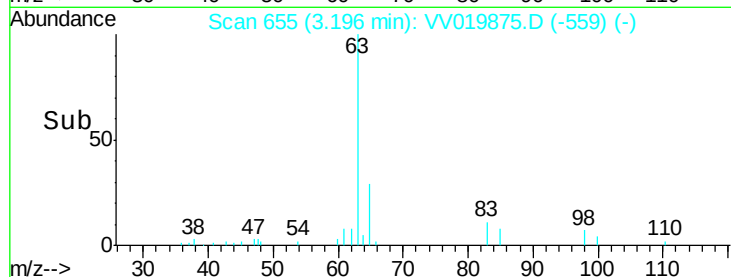
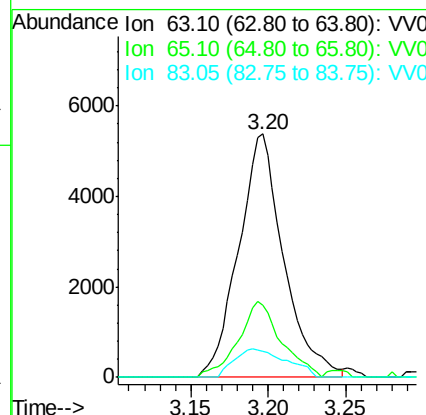
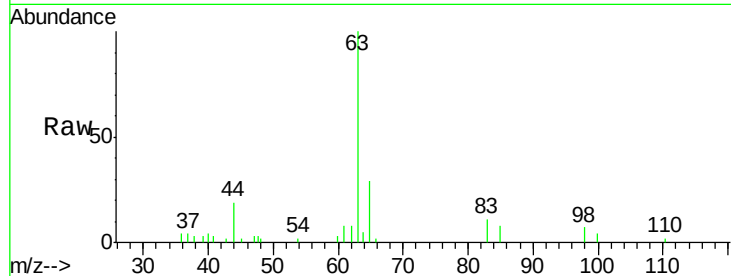
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion:	63	Resp:	10888
Ion Ratio	Lower	Upper	
63	100		
65	31.4	21.8	40.6
83	10.9	9.0	16.8

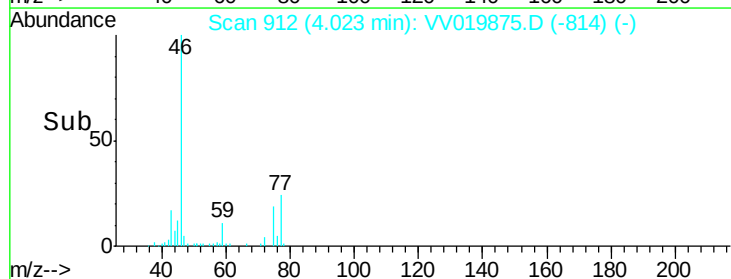
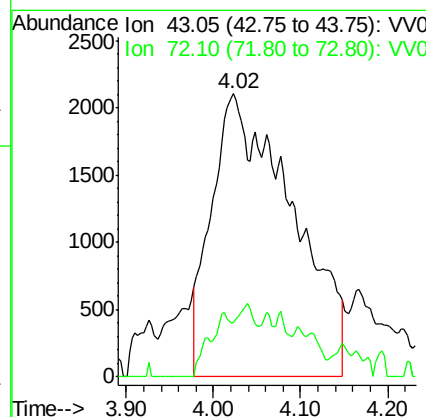
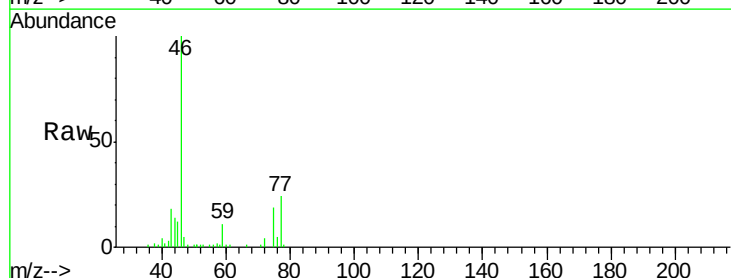
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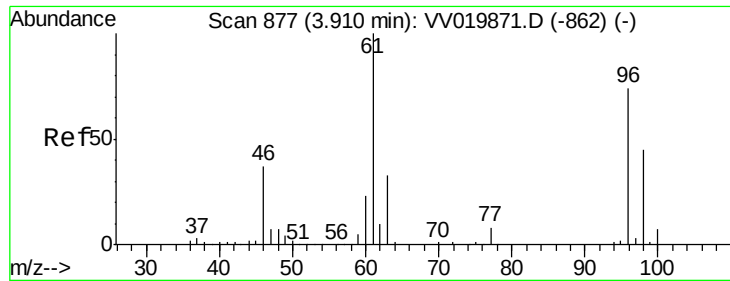
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#21
 2-Butanone
 Concen: 2.594 ug/L m
 RT: 4.02 min Scan# 912
 Delta R.T. 0.02 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion:	43	Resp:	13568
Ion Ratio	Lower	Upper	
43	100		
72	3.2	10.9	32.7#





#22

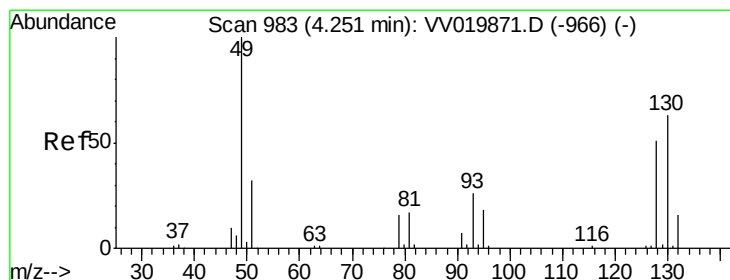
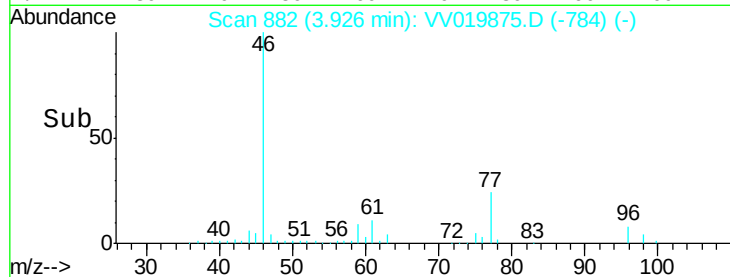
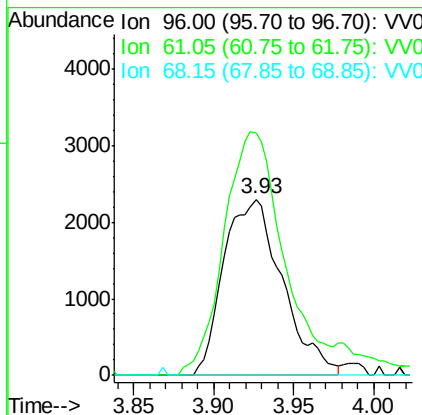
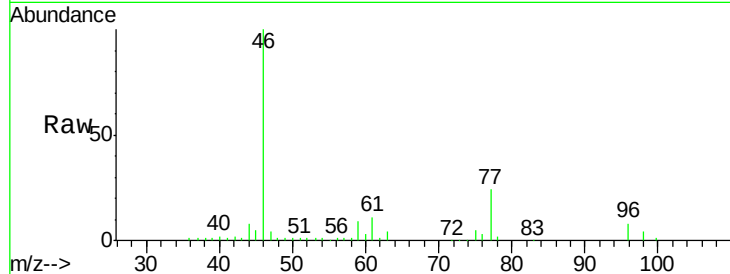
cis-1,2-Dichloroethene
Concen: 0.261 ug/L
RT: 3.93 min Scan# 882
Delta R.T. 0.02 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	98.1	182.3
68	0.0	0.0	0.0

Manual Integrations
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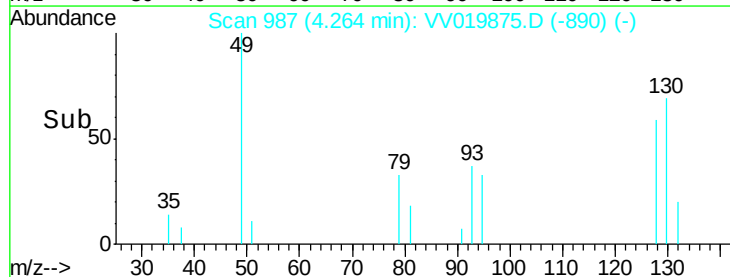
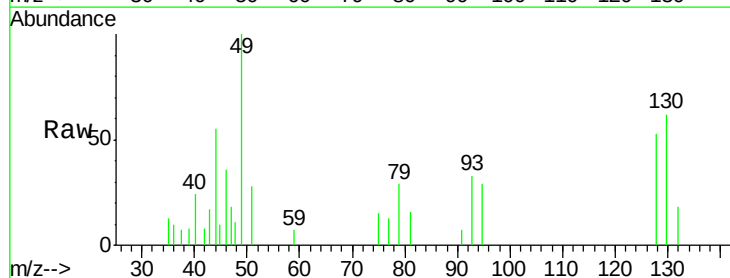
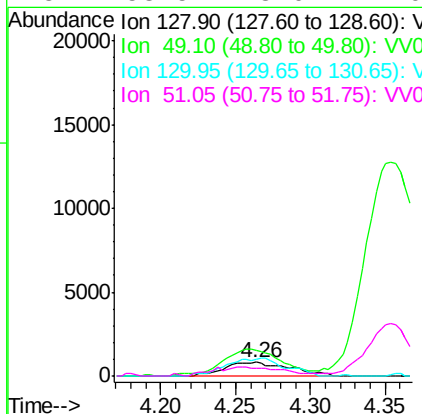
MMDadoda
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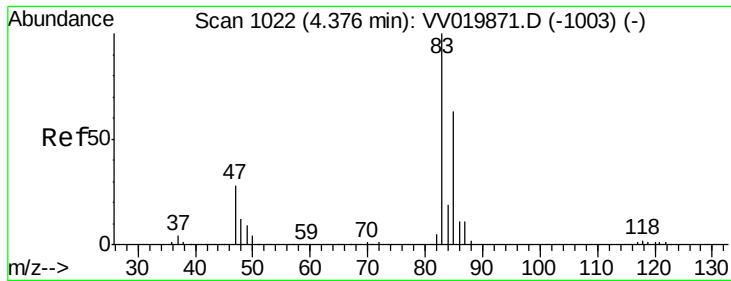


#23

Bromochloromethane
Concen: 0.279 ug/L
RT: 4.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.4	132.6	246.2
130	117.4	86.4	160.4
51	53.5	48.0	72.0





#25

Chloroform

Concen: 0.495 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 83 Resp: 20369

Ion Ratio Lower Upper

83 100

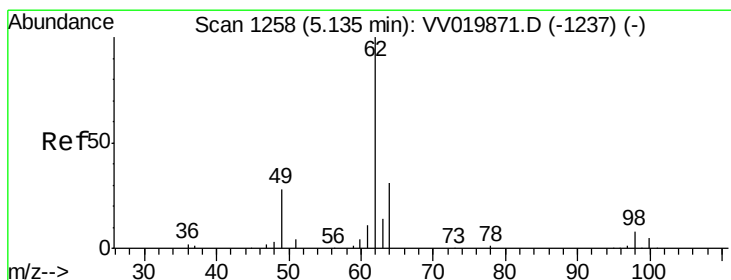
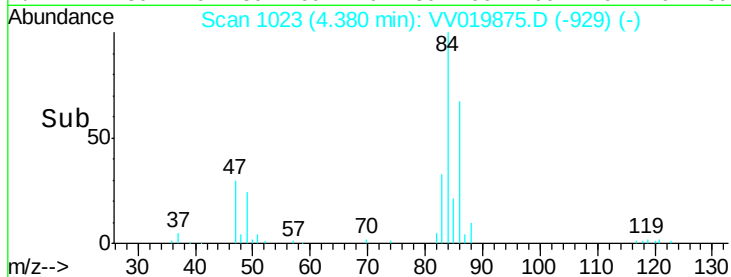
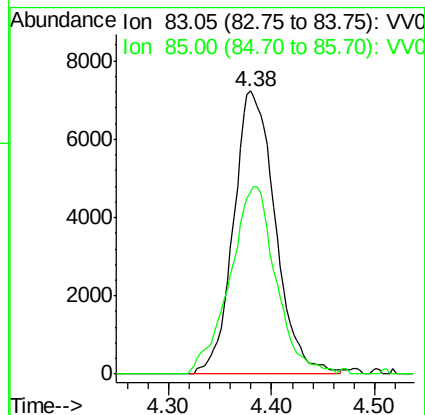
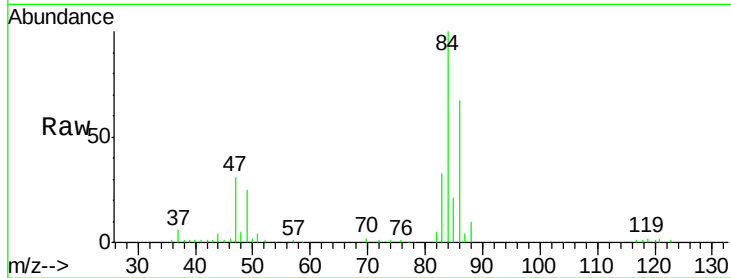
85 64.3 46.4 86.2

Manual Integrations

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1/4/2021 12:17:31 PM



#27

1,2-Dichloroethane

Concen: 0.249 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VV019875.D

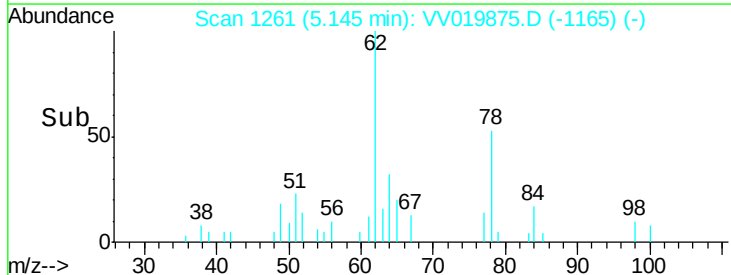
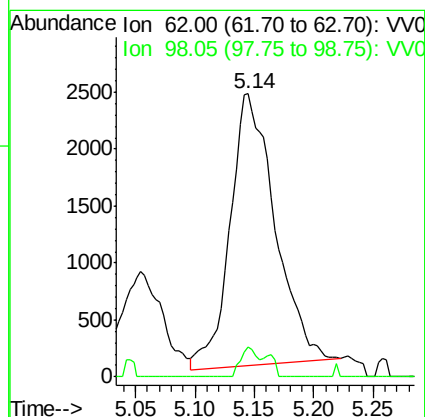
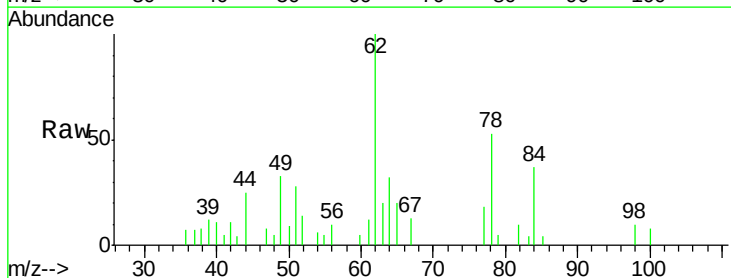
Acq: 30 Dec 2020 13:17

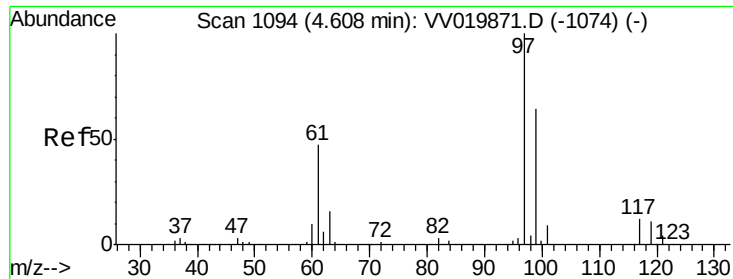
Tgt Ion: 62 Resp: 6253

Ion Ratio Lower Upper

62 100

98 10.4 7.6 11.4





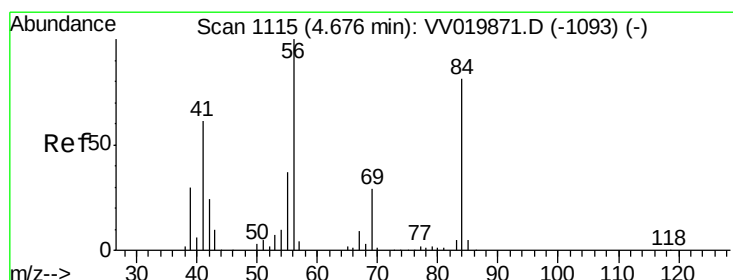
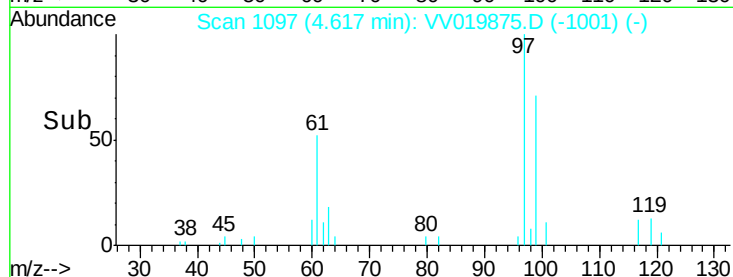
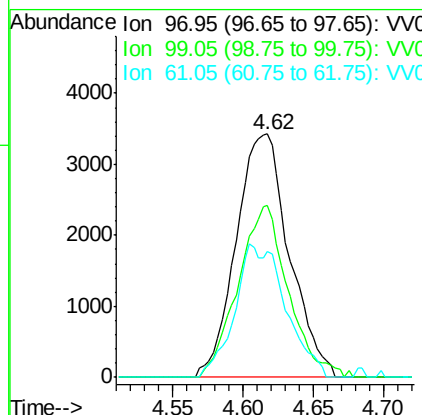
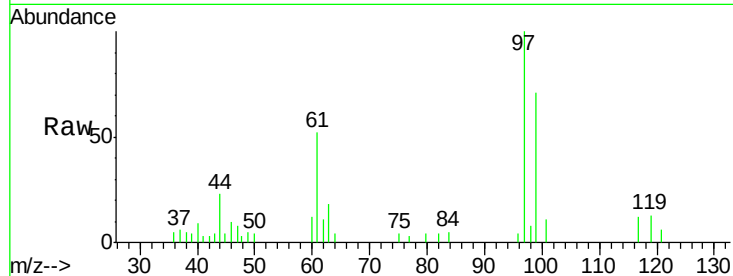
#29
 1,1,1-Trichloroethane
 Concen: 0.257 ug/L
 RT: 4.62 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.1	76.7
61	29.2	38.6	57.8

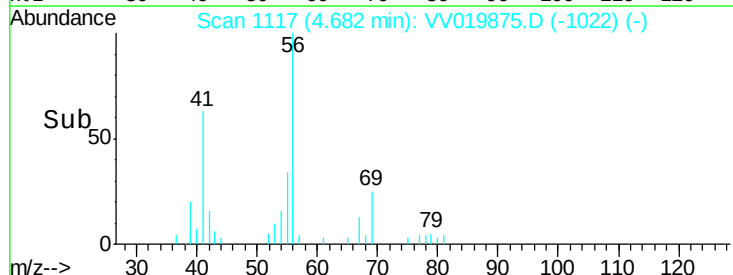
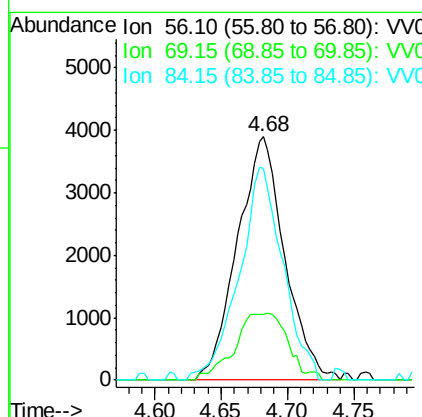
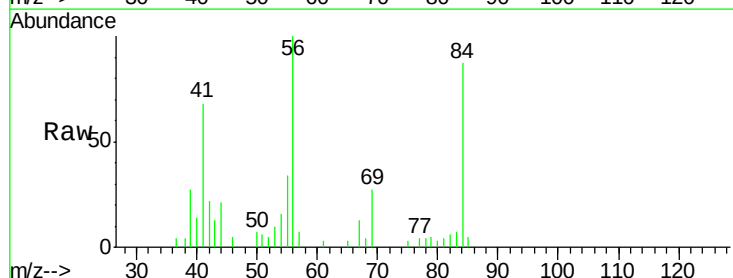
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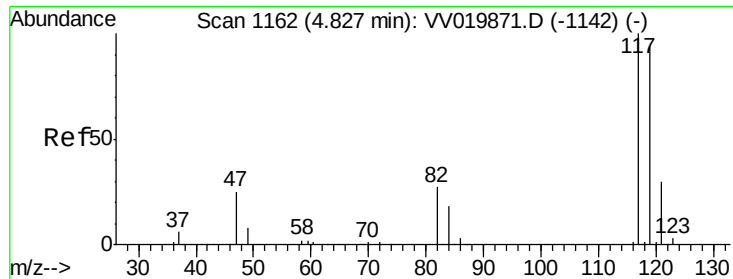
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#30
 Cyclohexane
 Concen: 0.274 ug/L
 RT: 4.68 min Scan# 1117
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.1	36.1
84	80.8	66.8	100.2





#31

Carbon tetrachloride

Concen: 0.263 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion:117 Resp: 7558

Ion Ratio Lower Upper

117 100

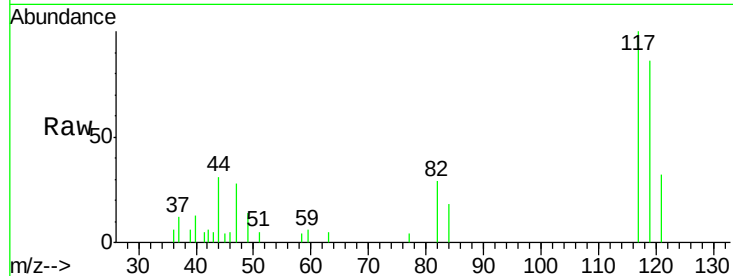
119 88.4 76.0 114.0

Manual Integrations

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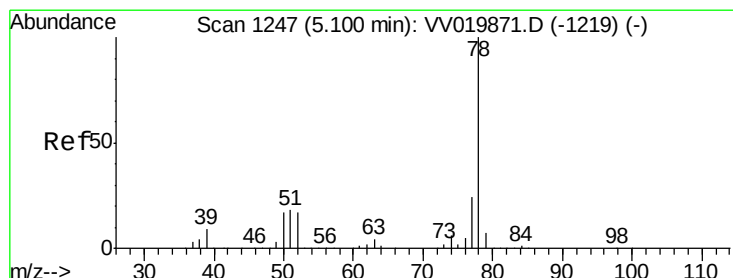
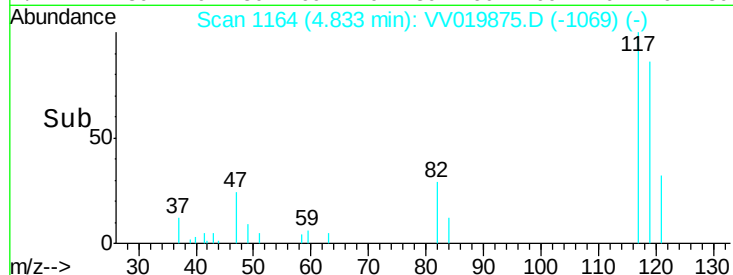
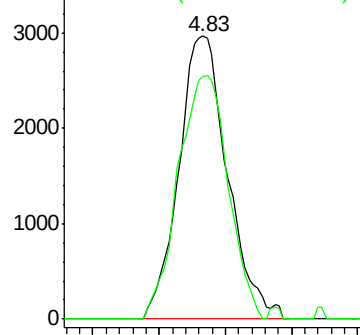
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.269 ug/L

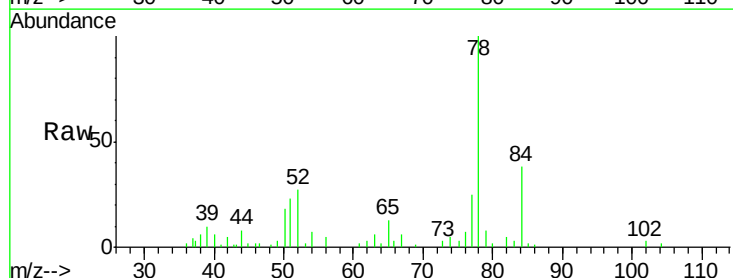
RT: 5.11 min Scan# 1250

Delta R.T. 0.01 min

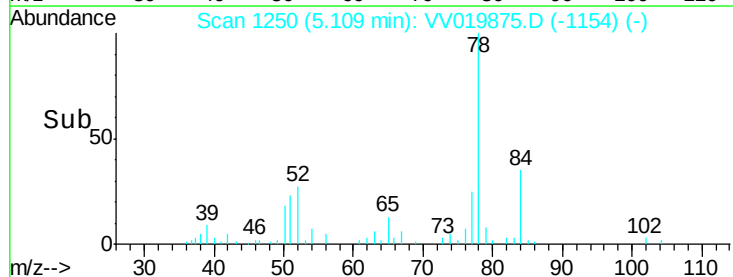
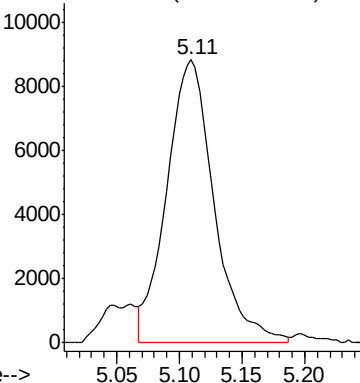
Lab File: VV019875.D

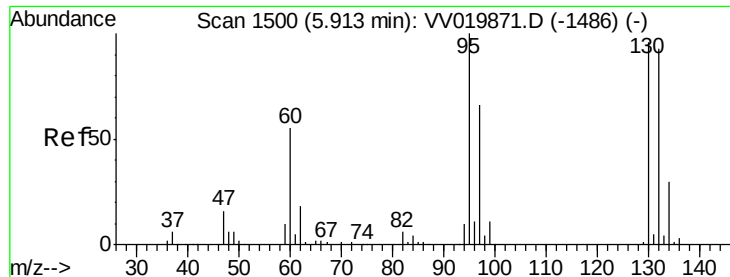
Acq: 30 Dec 2020 13:17

Tgt Ion: 78 Resp: 23196



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.271 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 95 Resp: 6247

Ion Ratio Lower Upper

95 100

97 61.6 44.1 81.9

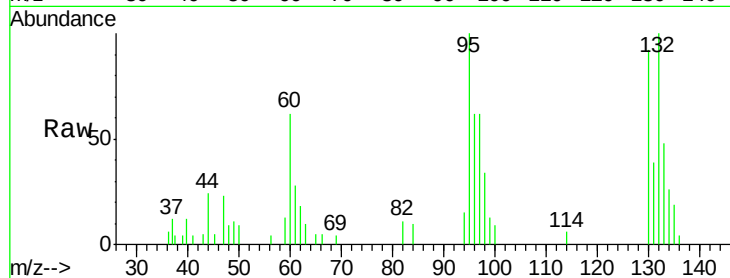
132 99.7 61.2 113.8

130 91.7 65.1 120.9

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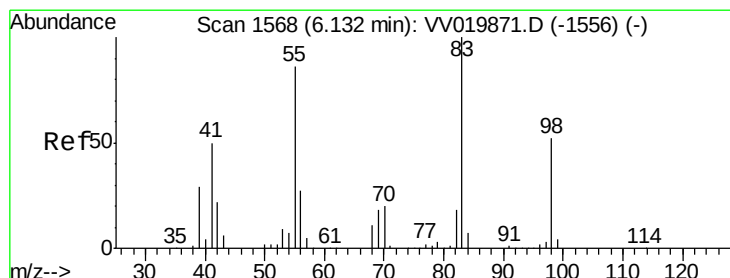
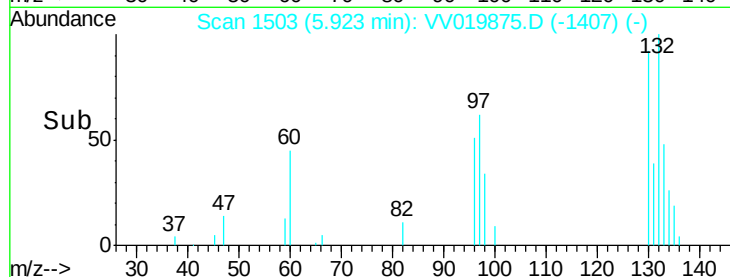
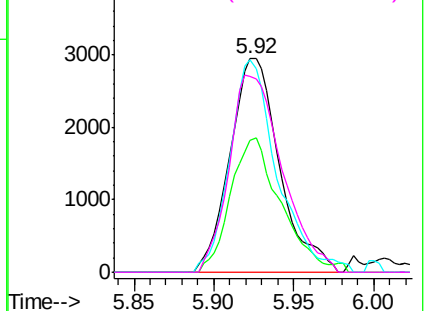


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.262 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion: 83 Resp: 9027

Ion Ratio Lower Upper

83 100

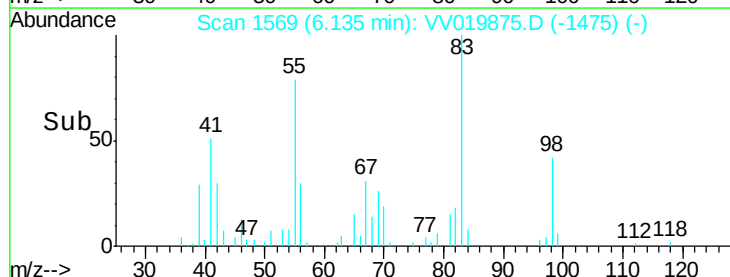
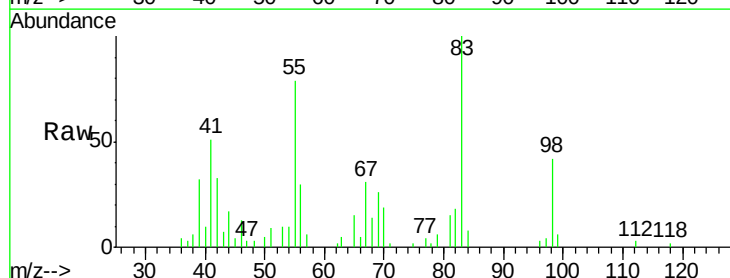
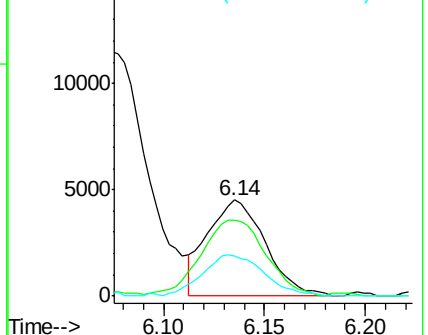
55 88.6 67.5 101.3

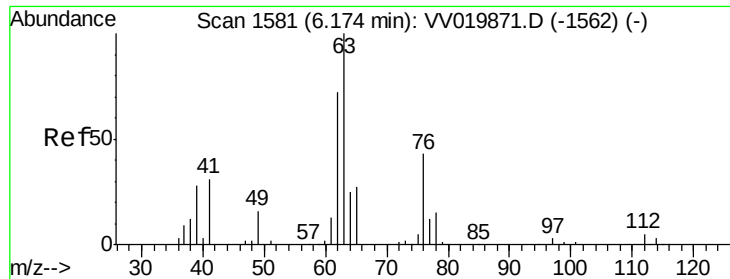
98 45.7 38.6 58.0

Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





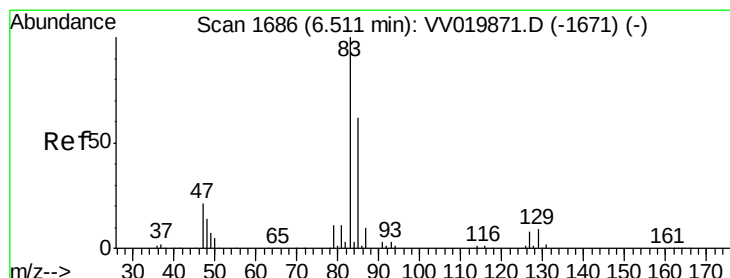
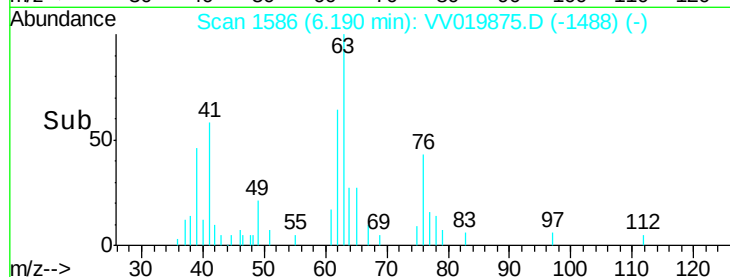
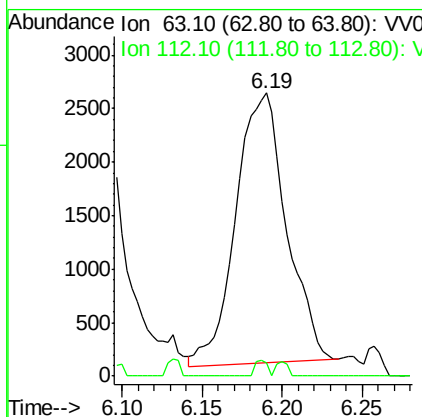
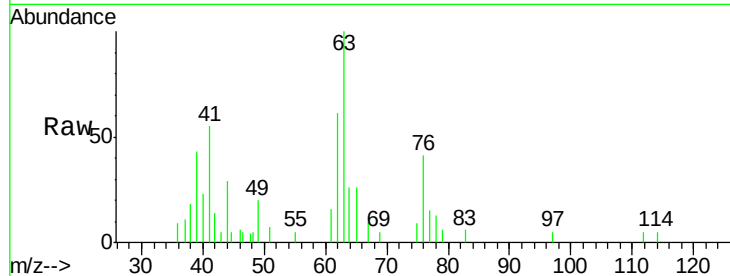
#37
 1,2-Dichloropropane
 Concen: 0.253 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.02 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion: 63 Resp: 5474
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.6 5.4#

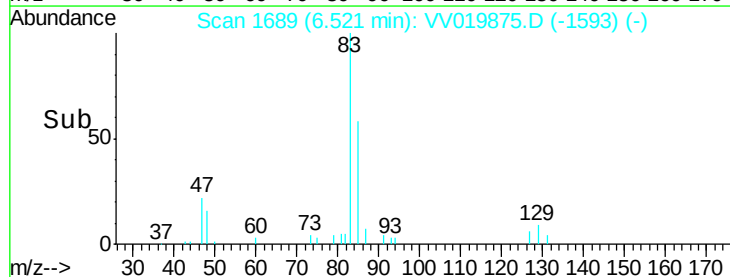
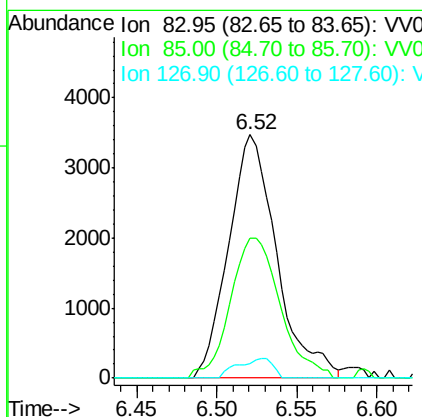
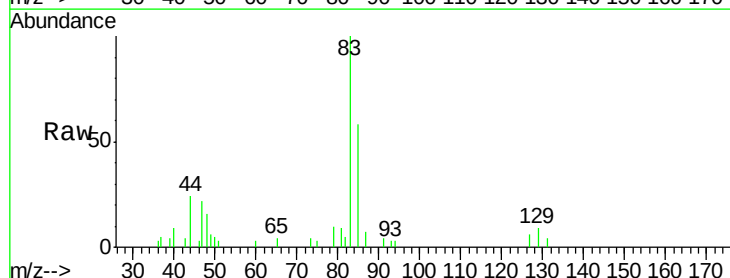
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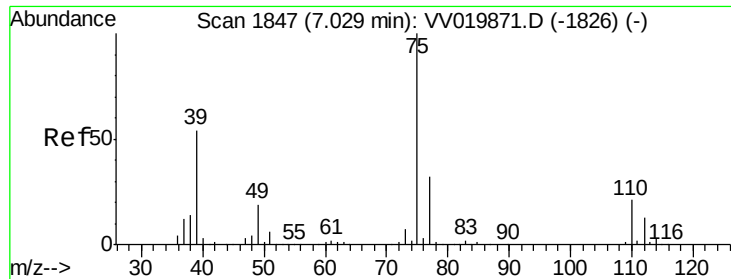
MMDadoda
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#38
 Bromodichloromethane
 Concen: 0.268 ug/L
 RT: 6.52 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion: 83 Resp: 7155
 Ion Ratio Lower Upper
 83 100
 85 57.7 45.9 85.3
 127 6.0 6.2 9.2#





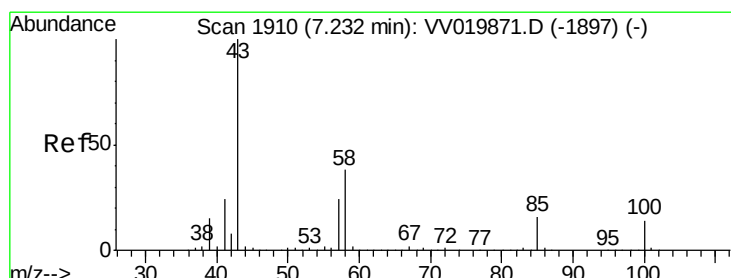
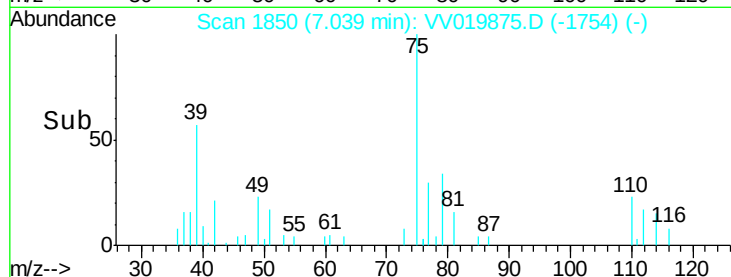
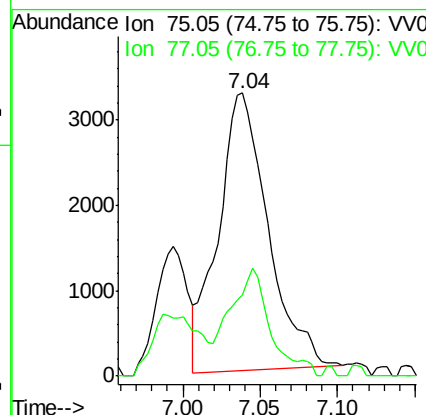
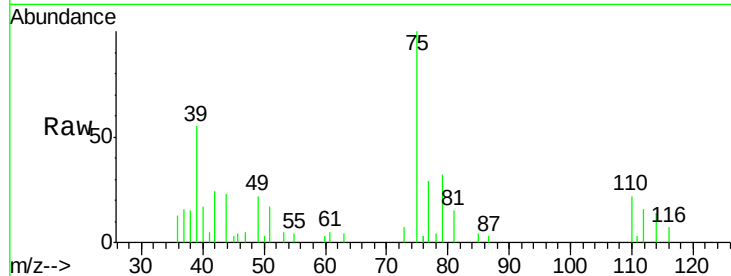
#39
 cis-1,3-Dichloropropene
 Concen: 0.245 ug/L
 RT: 7.04 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-05

Tot Ion: 75 Resp: 7284
 Ion Ratio Lower Upper
 75 100
 77 28.8 21.0 39.0

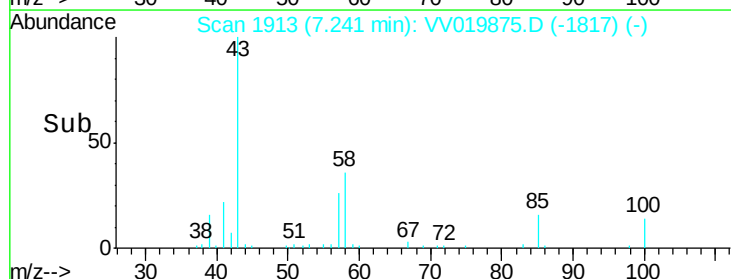
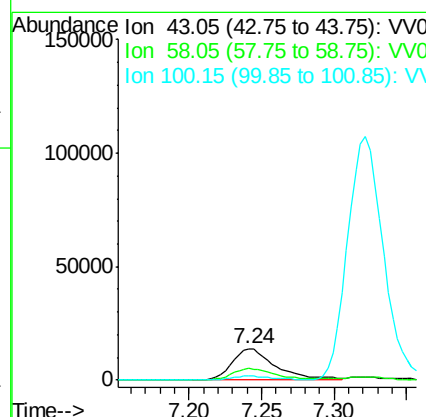
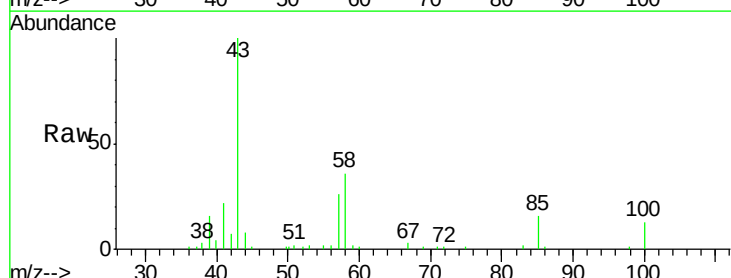
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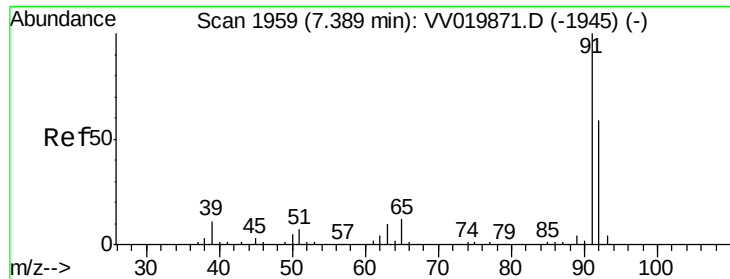
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.360 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion: 43 Resp: 28831
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.0 45.0
 100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.261 ug/L

RT: 7.40 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion: 91 Resp: 22902

Ion Ratio Lower Upper

91 100

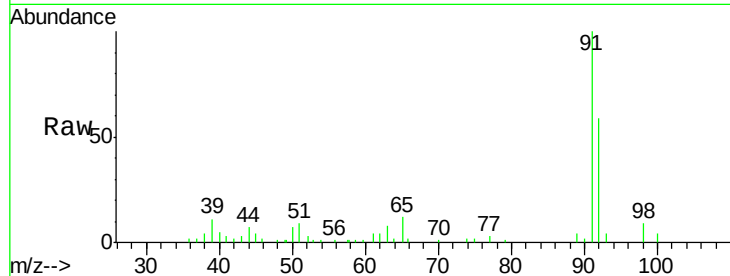
92 58.6 40.9 76.0

Manual Integrations

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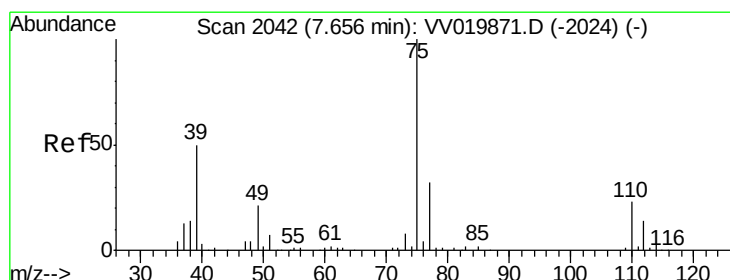
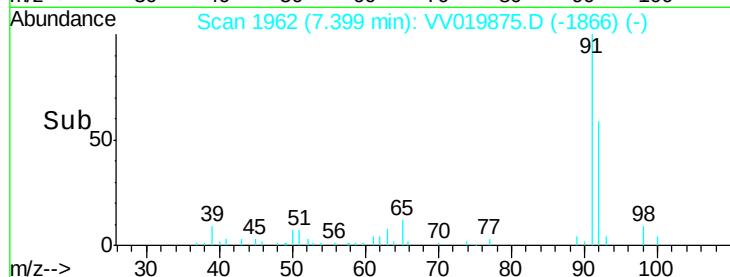
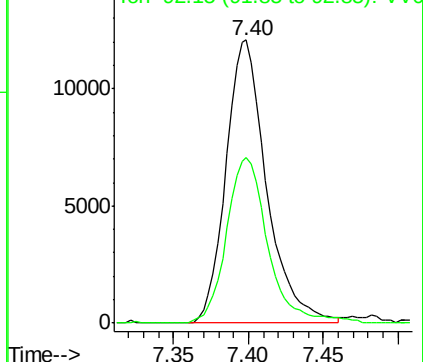
MMDadoda

1/4/2021 12:17:31 PM



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.268 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. 0.01 min

Lab File: VV019875.D

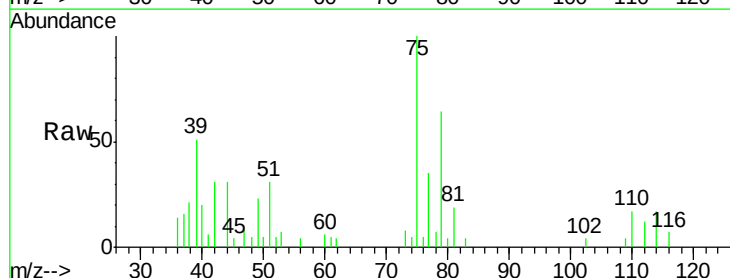
Acq: 30 Dec 2020 13:17

Tgt Ion: 75 Resp: 6515

Ion Ratio Lower Upper

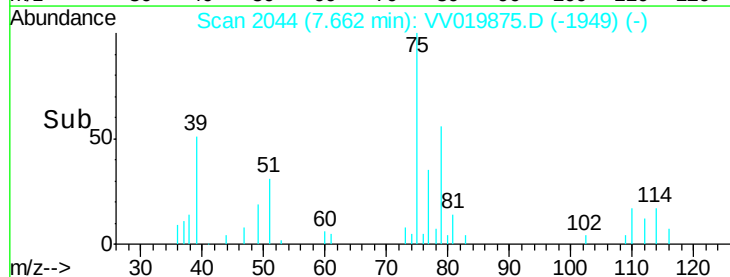
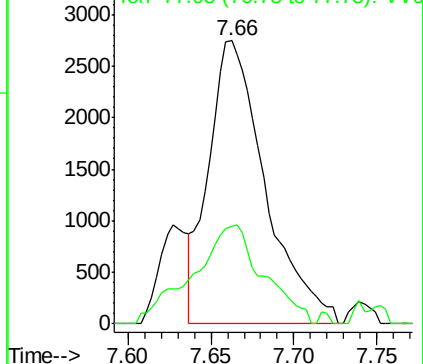
75 100

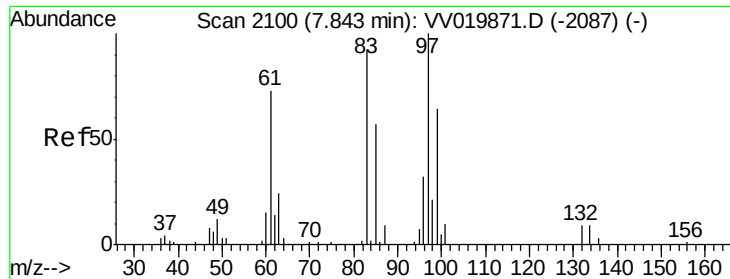
77 34.5 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





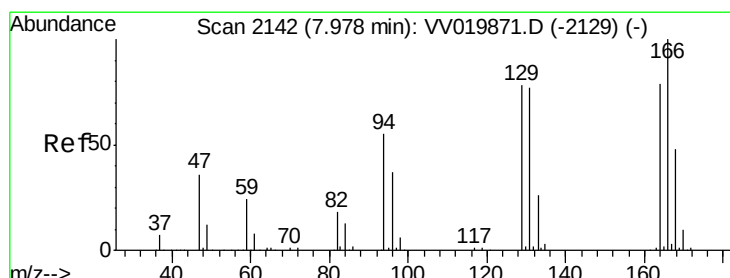
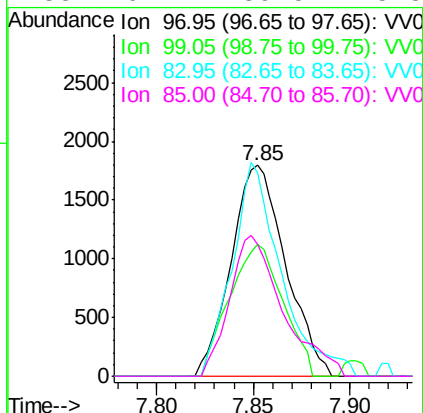
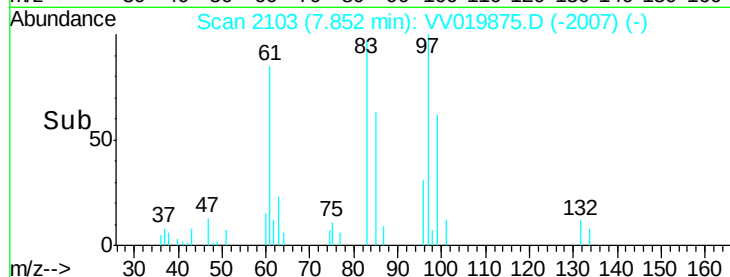
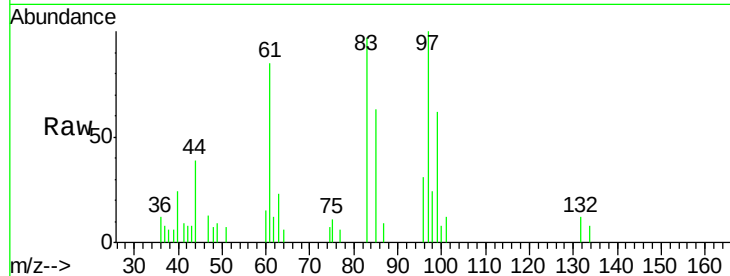
#45
1,1,2-Trichloroethane
Concen: 0.252 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion:	97	Resp:	3519
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.4	78.8
83	96.6	59.4	110.4
85	62.7	39.5	73.3

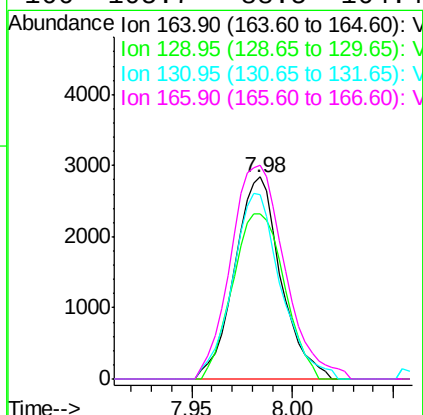
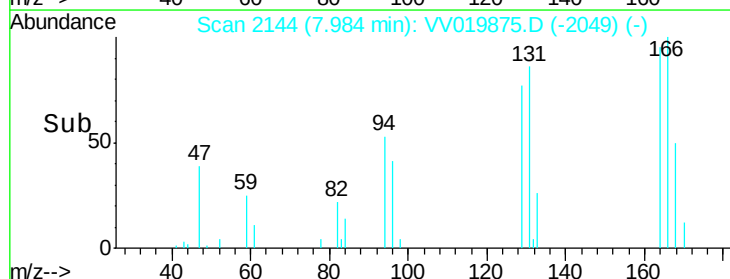
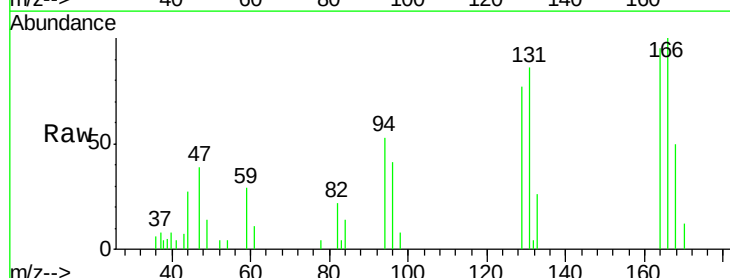
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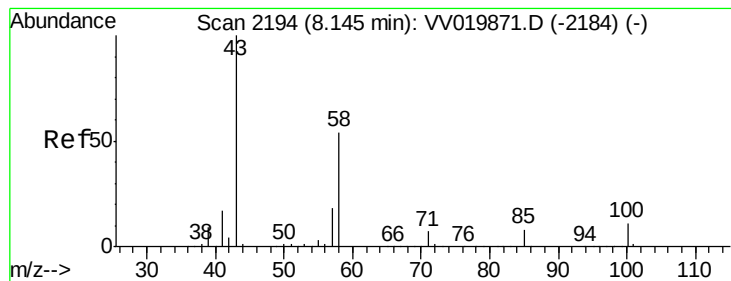
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1/4/2021 12:17:31 PM



#47
Tetrachloroethene
Concen: 0.291 ug/L
RT: 7.98 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion:	164	Resp:	4559
Ion	Ratio	Lower	Upper
164	100		
129	81.7	72.1	133.9
131	91.2	68.9	127.9
166	105.7	88.5	164.4





#48

2-Hexanone

Concen: 4.381 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

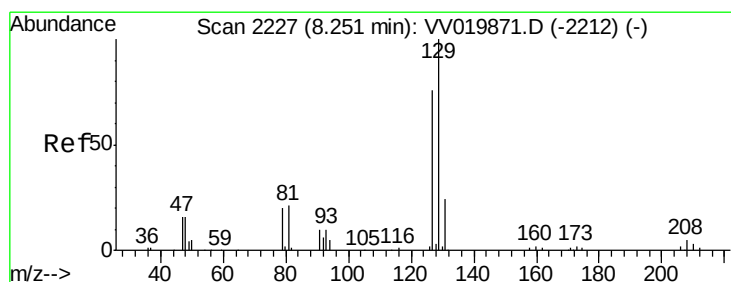
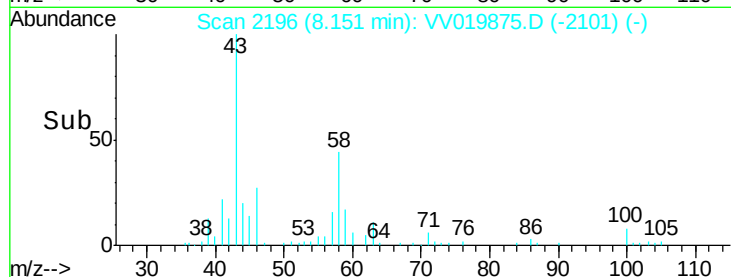
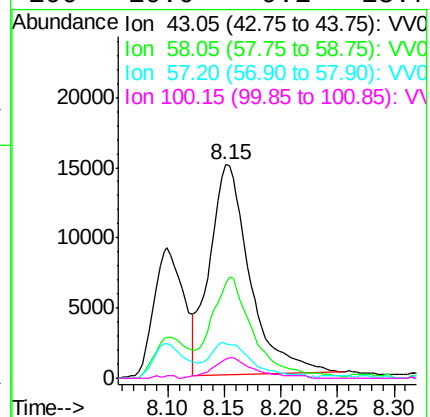
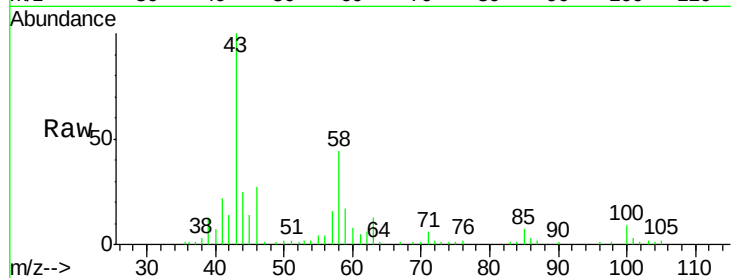
ClientSampleId :

MDL-WATER-05

Tot Ion:	43	Resp:	37096
Ion	Ratio	Lower	Upper
43	100		
58	45.6	42.4	63.6
57	15.2	14.8	22.2
100	10.0	9.1	13.7

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1/4/2021 12:17:31 PM



#49

Dibromochloromethane

Concen: 0.233 ug/L

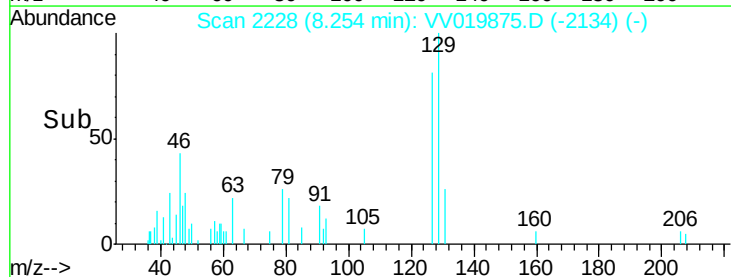
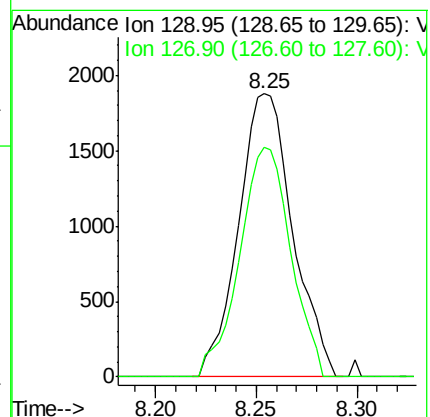
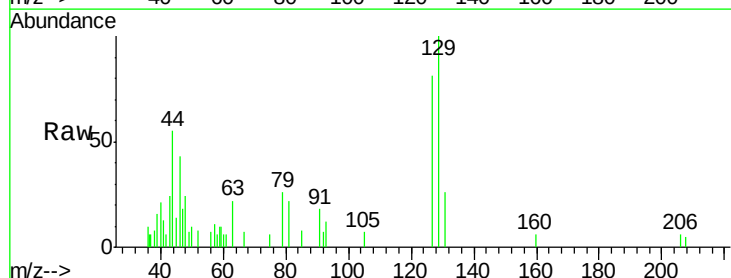
RT: 8.25 min Scan# 2228

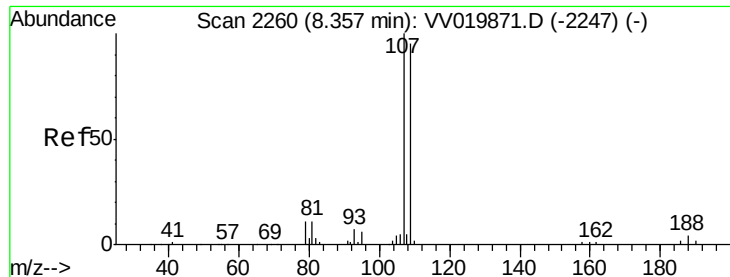
Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion:	129	Resp:	3525
Ion	Ratio	Lower	Upper
129	100		
127	81.2	55.0	102.2





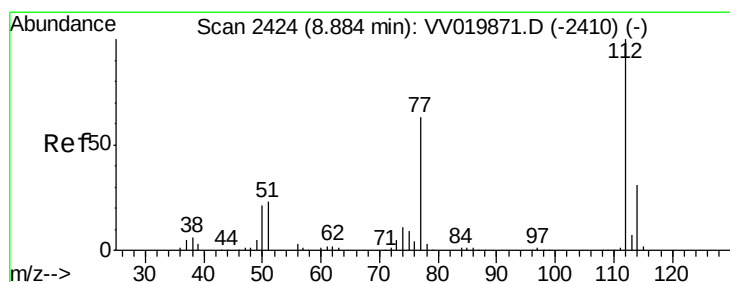
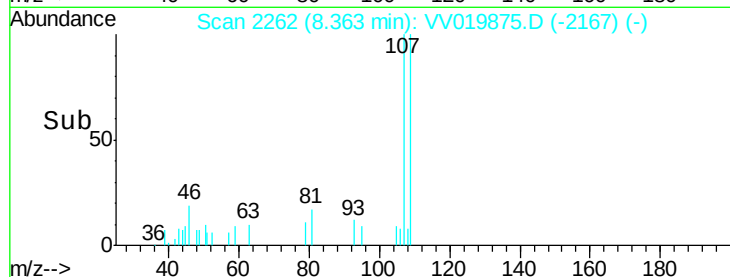
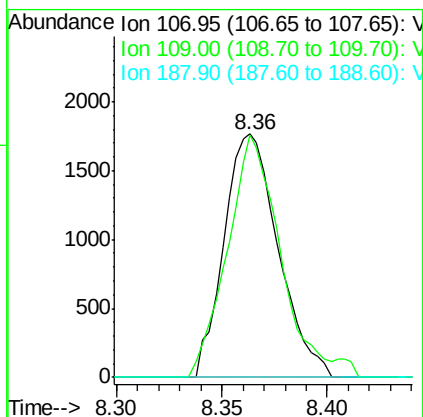
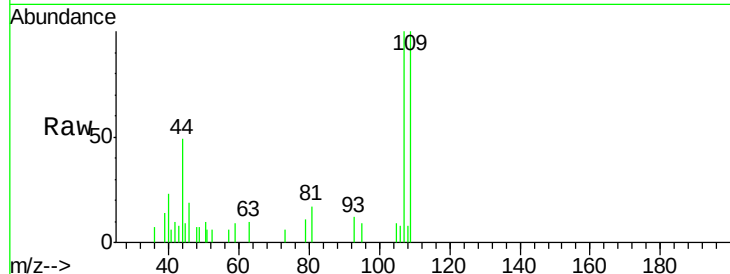
#50
 1,2-Dibromoethane
 Concen: 0.249 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.7	63.8	118.4
188	0.0	2.5	3.7#

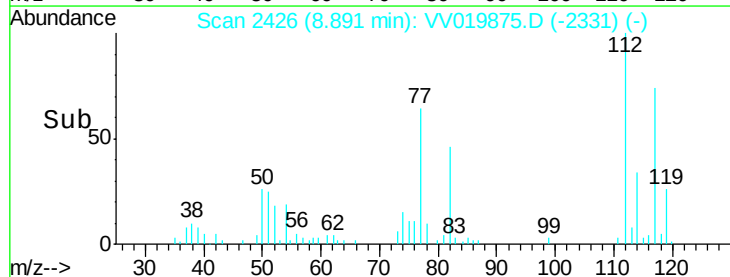
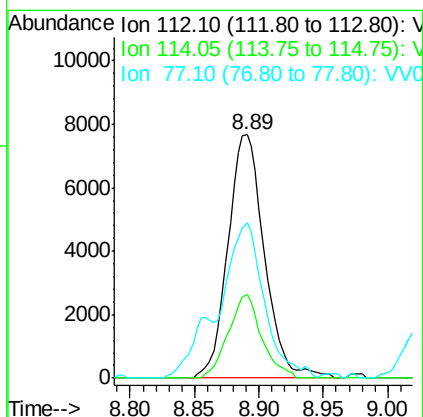
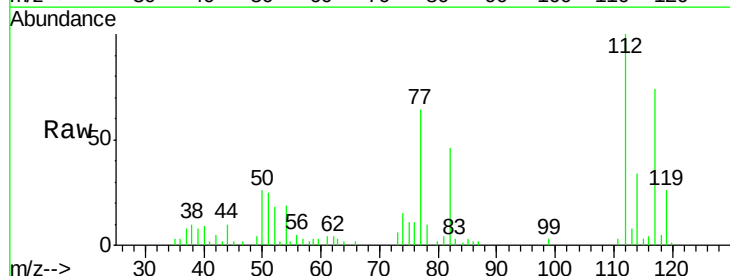
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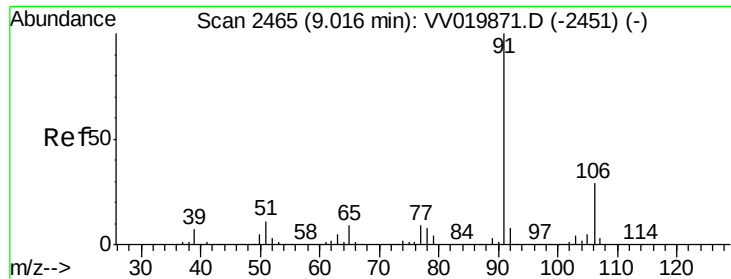
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 1/4/2021 12:17:31 PM



#51
 Chlorobenzene
 Concen: 0.272 ug/L
 RT: 8.89 min Scan# 2426
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.3	21.8	40.6
77	63.8	51.0	76.4





#52

Ethylbenzene

Concen: 0.245 ug/L

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tot Ion: 91 Resp: 23745

Ion Ratio Lower Upper

91 100

106 31.4 20.9 38.7

Instrument :

MSVOA_V

ClientSampleId :

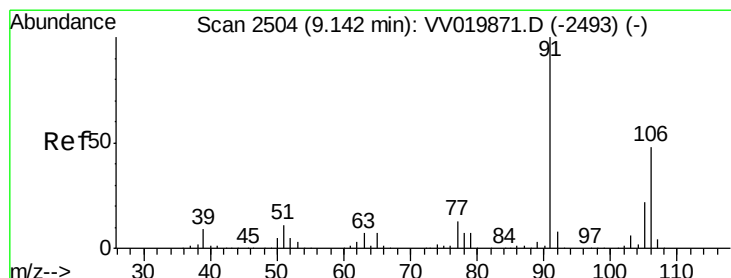
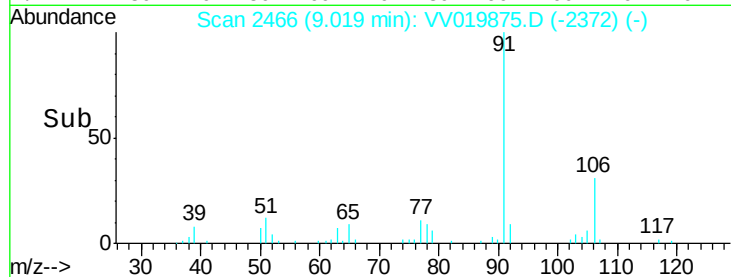
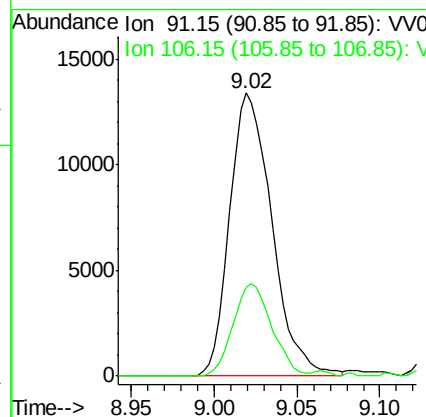
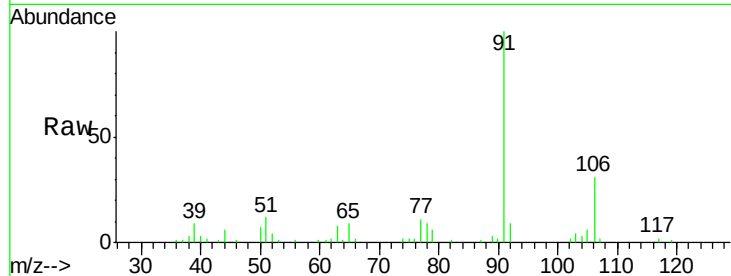
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1/4/2021 12:17:31 PM



#53

m,p-xylene

Concen: 0.266 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: VV019875.D

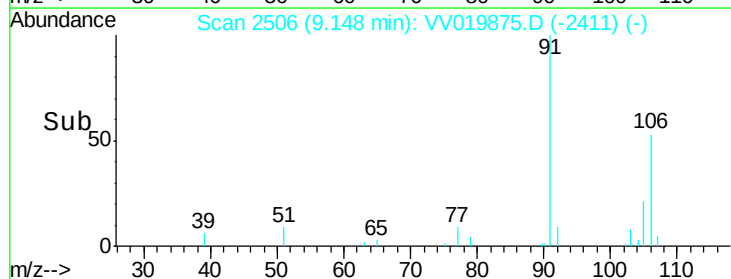
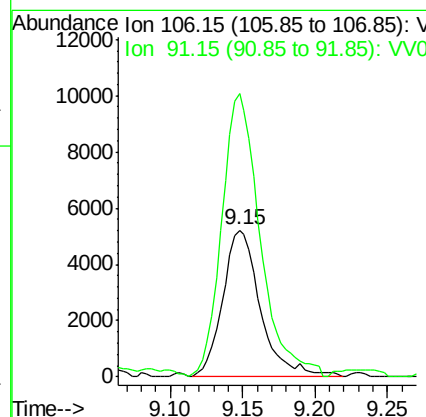
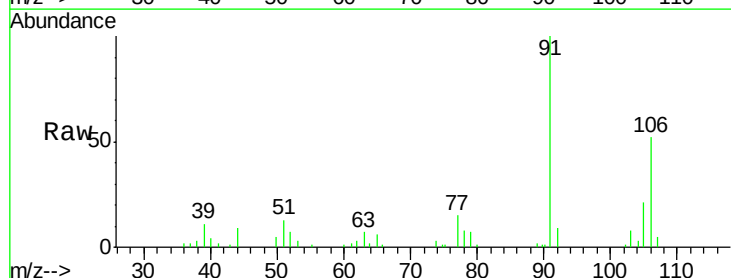
Acq: 30 Dec 2020 13:17

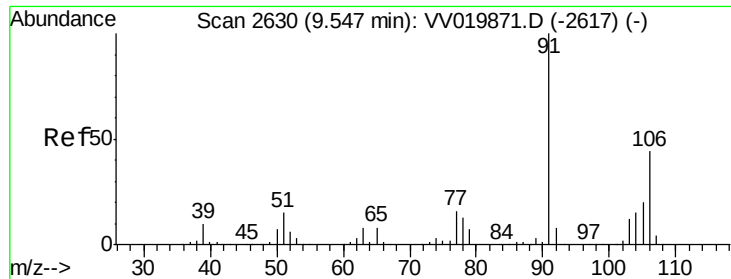
Tgt Ion: 106 Resp: 9450

Ion Ratio Lower Upper

106 100

91 192.6 147.1 273.1





#54

o-xylene

Concen: 0.245 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-05

Tot Ion:106 Resp: 8337

Ion Ratio Lower Upper

106 100

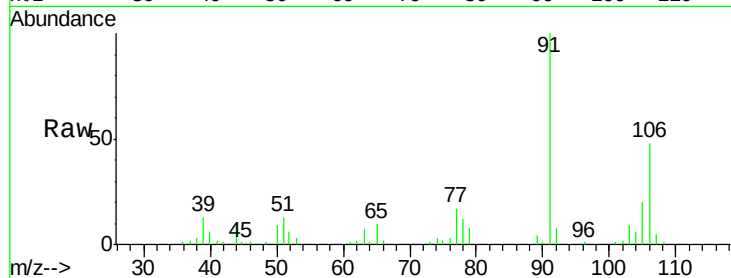
91 208.0 155.8 289.3

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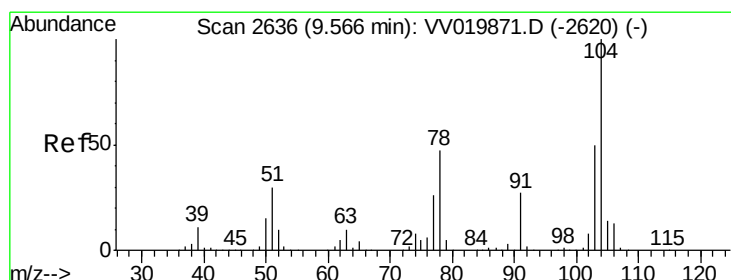
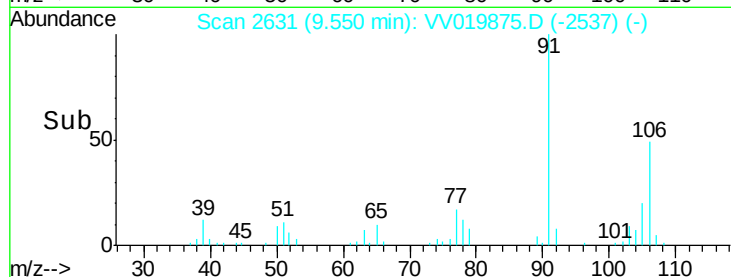
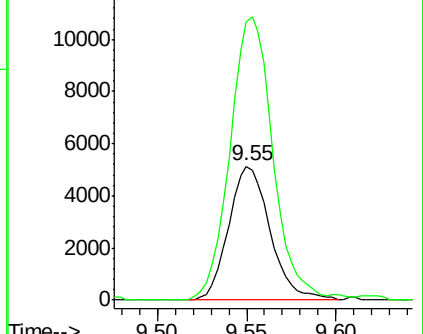
MMDadoda

1/4/2021 12:17:31 PM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.222 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019875.D

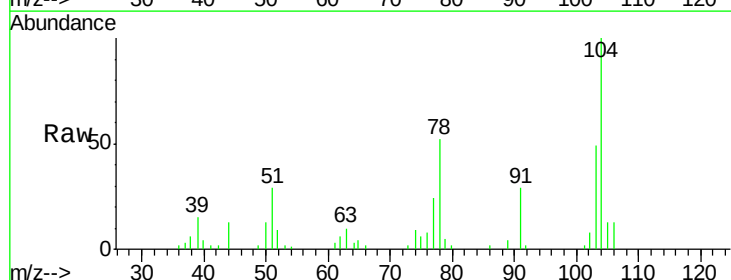
Acq: 30 Dec 2020 13:17

Tgt Ion:104 Resp: 12767

Ion Ratio Lower Upper

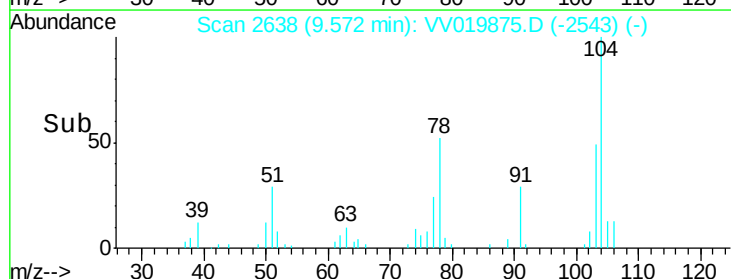
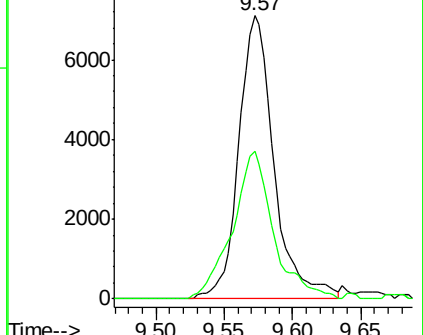
104 100

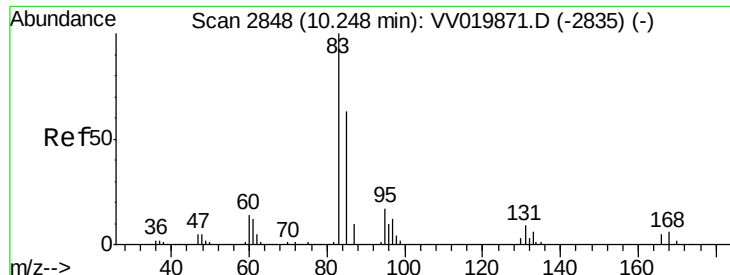
78 52.0 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





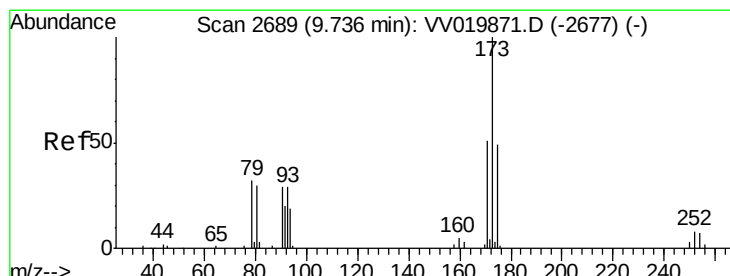
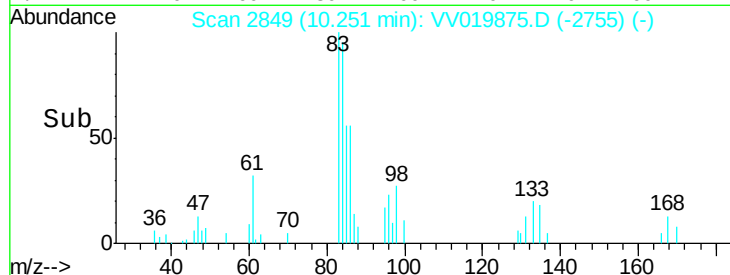
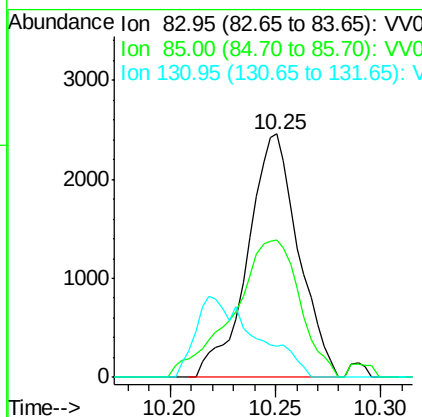
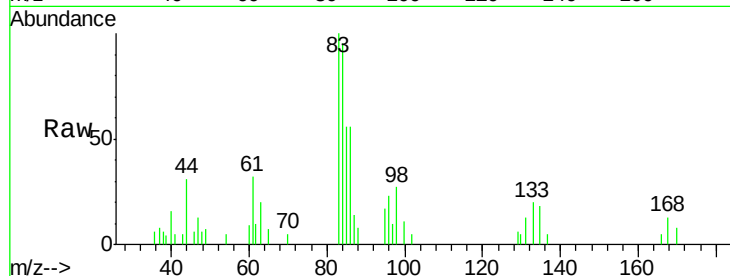
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.278 ug/L
 RT: 10.25 min Scan# 2849
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion	83	Resp	4113
Ion Ratio	100	Lower	Upper
83	100		
85	56.3	44.3	82.3
131	12.7	7.4	11.2#

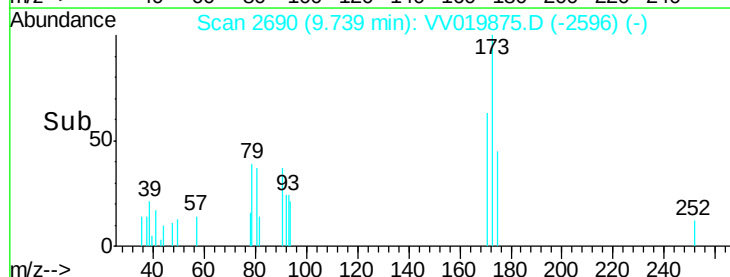
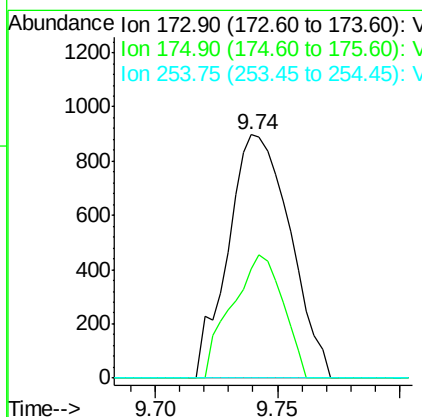
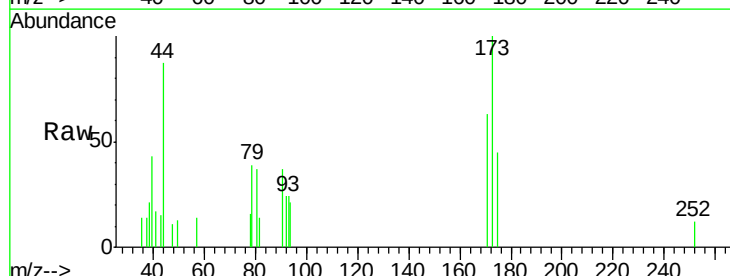
Manual Integrations
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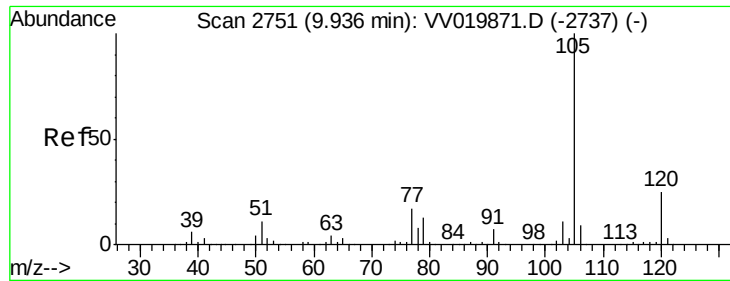
MMDadoda
 1/4/2021 12:17:31 PM



#59
 Bromoform
 Concen: 0.243 ug/L
 RT: 9.74 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion	173	Resp	1581
Ion Ratio	100	Lower	Upper
173	100		
175	42.2	38.3	57.5
254	0.0	6.4	9.6#





#60

Isopropylbenzene

Concen: 0.248 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

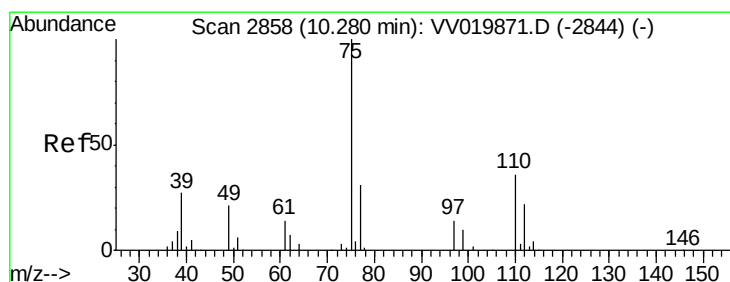
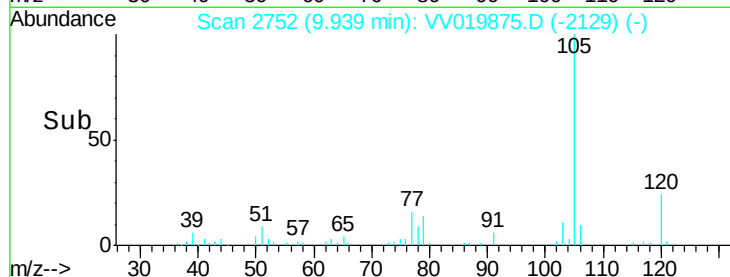
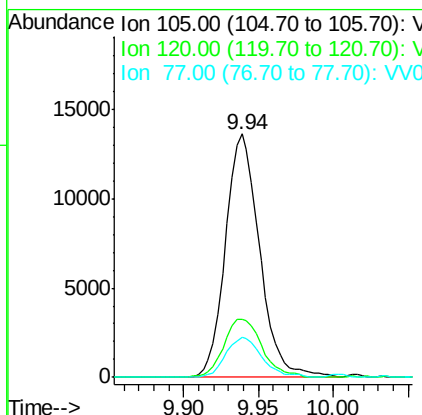
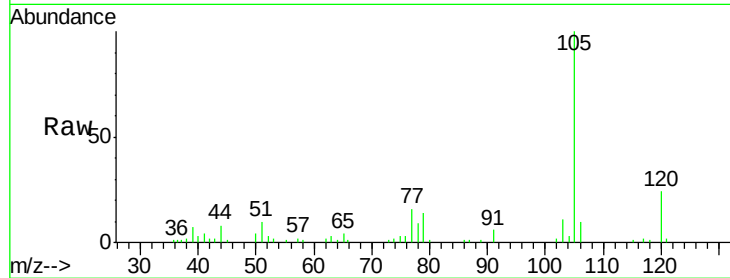
ClientSampleId :

MDL-WATER-05

Tot Ion:	105	Resp:	21705
Ion Ratio	Lower	Upper	
105	100		
120	26.7	20.4	30.6
77	17.4	13.7	20.5

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1/4/2021 12:17:31 PM



#61

1,2,3-Trichloropropane

Concen: 0.263 ug/L

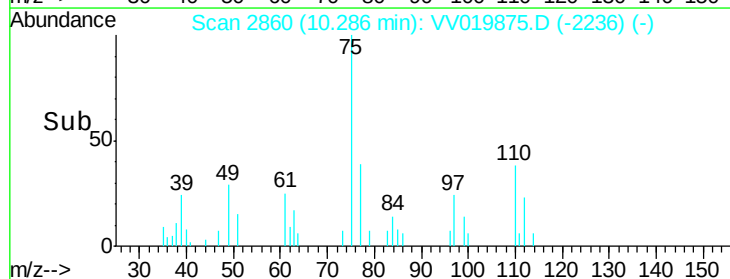
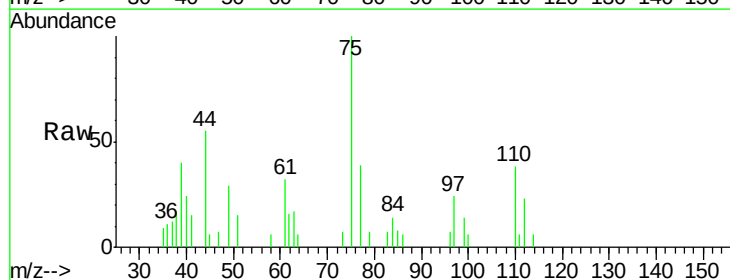
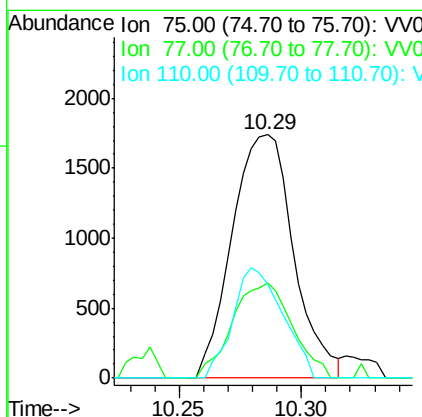
RT: 10.29 min Scan# 2860

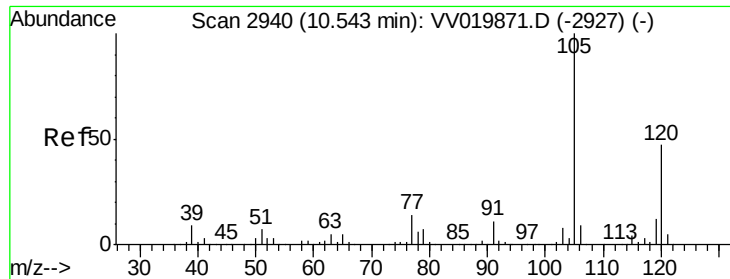
Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion:	75	Resp:	3056
Ion Ratio	Lower	Upper	
75	100		
77	38.0	25.6	38.4
110	36.7	30.5	45.7





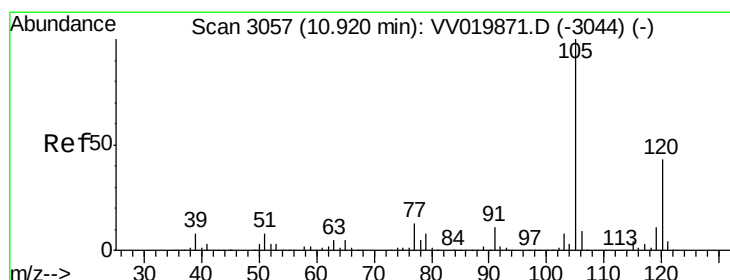
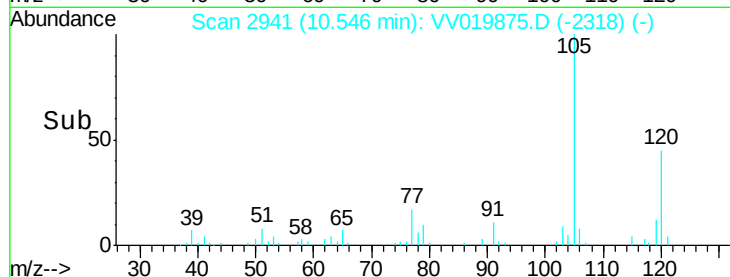
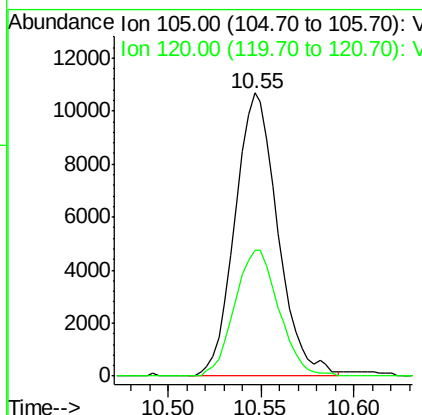
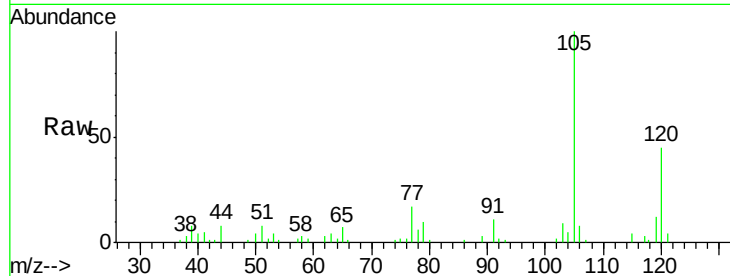
#62
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion:105 Resp: 17162
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.8 56.6

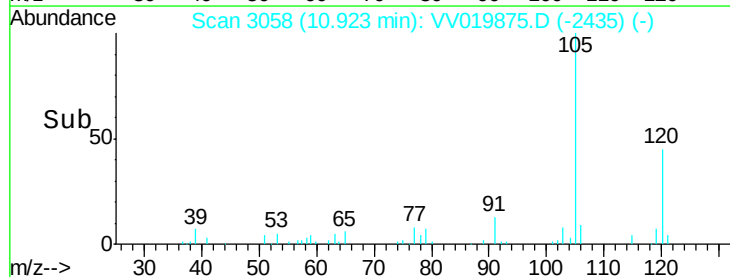
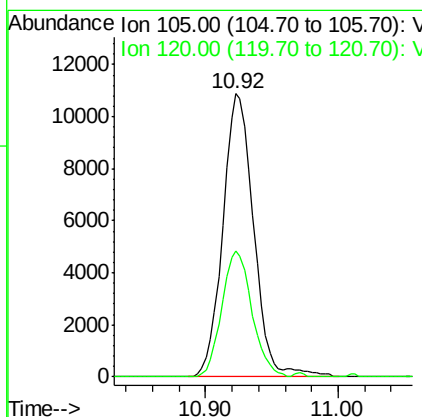
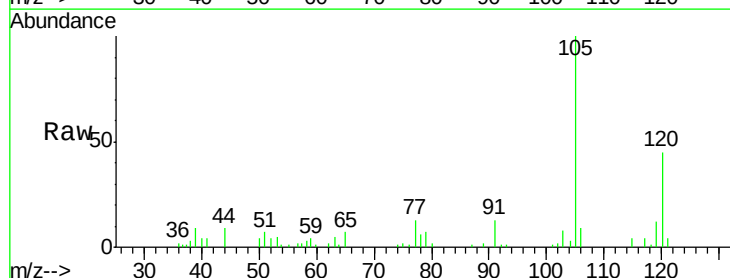
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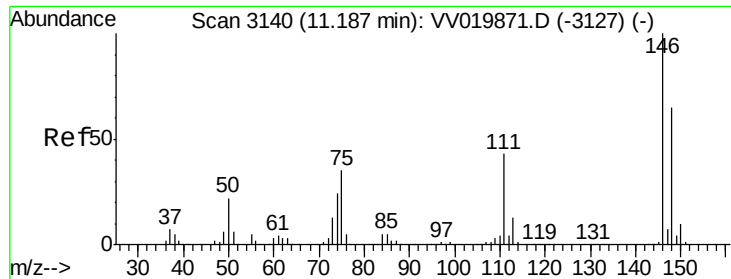
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.239 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion:105 Resp: 17570
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.9 52.3





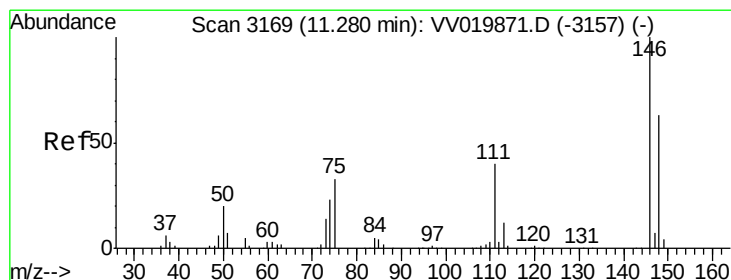
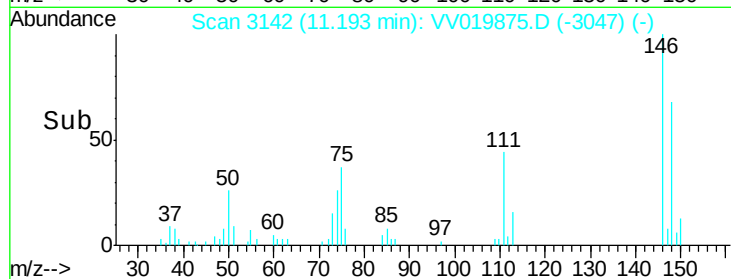
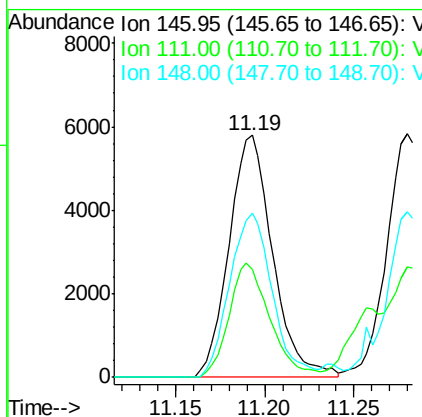
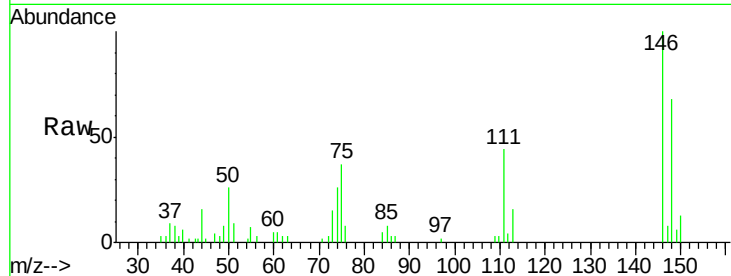
#64
 1,3-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 11.19 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	30.4	56.5
148	67.9	45.8	85.2

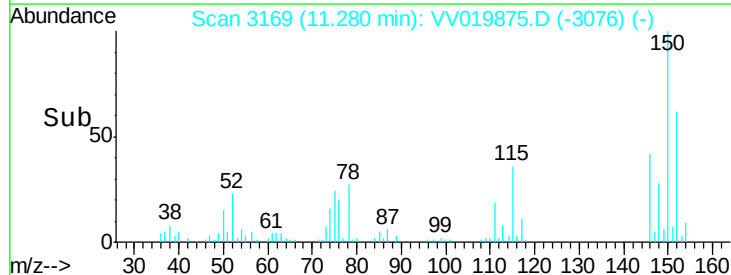
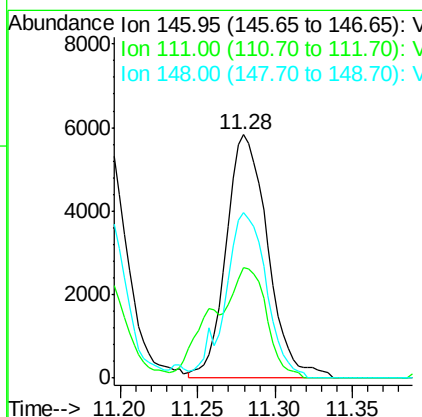
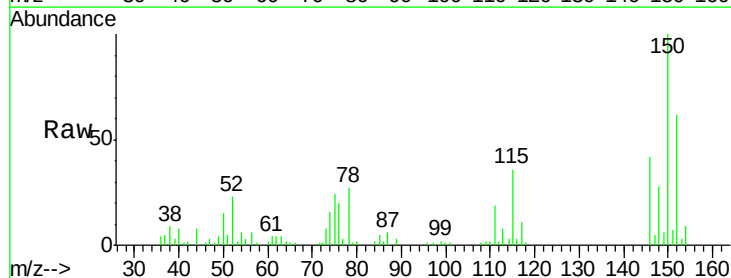
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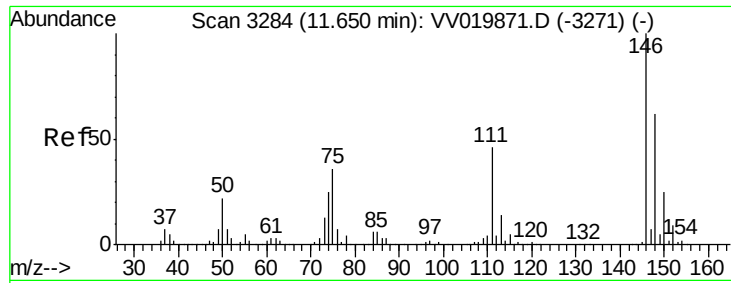
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 1/4/2021 12:17:31 PM



#65
 1,4-Dichlorobenzene
 Concen: 0.283 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	29.7	55.1
148	67.9	45.1	83.7





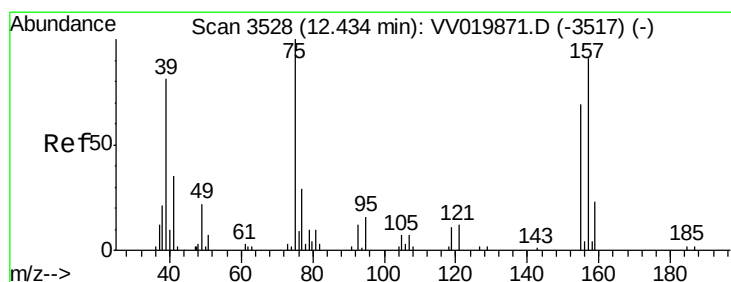
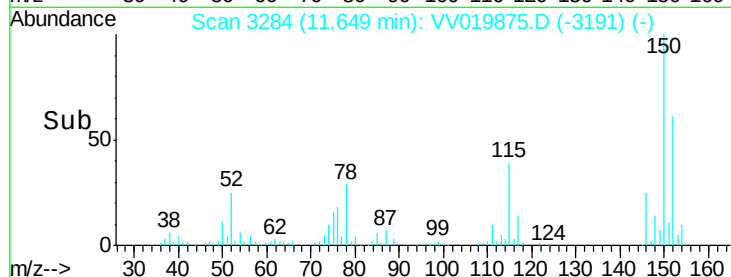
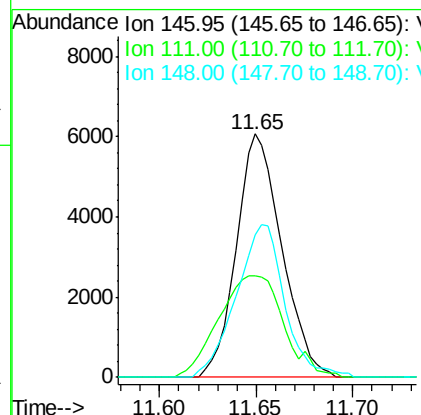
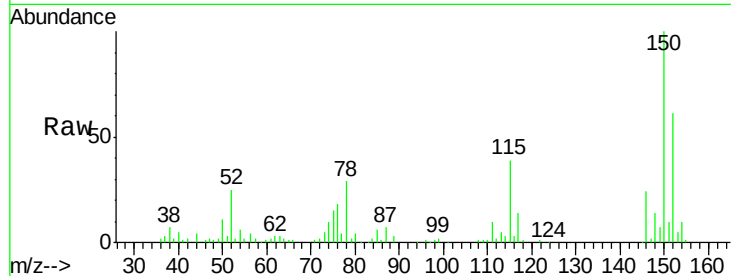
#67
 1,2-Dichlorobenzene
 Concen: 0.280 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	37.7	56.5
148	58.5	50.6	75.8

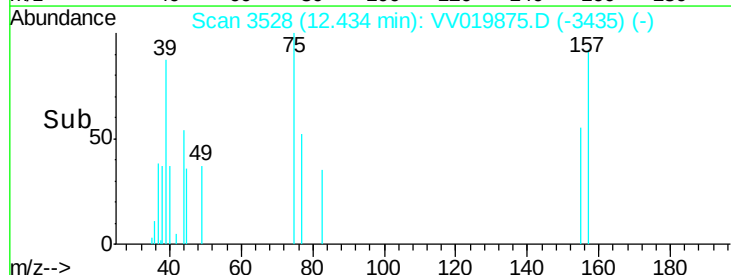
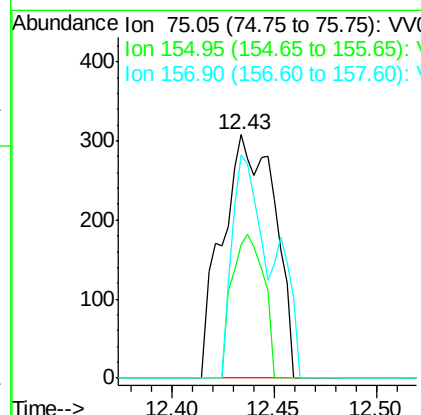
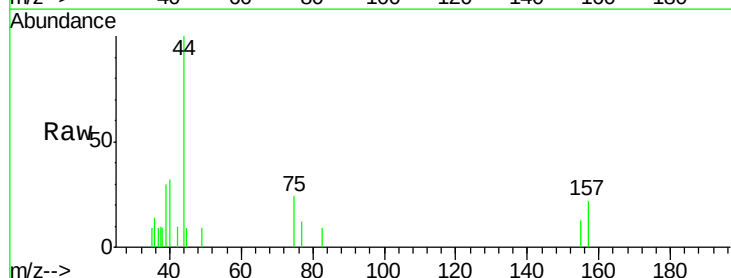
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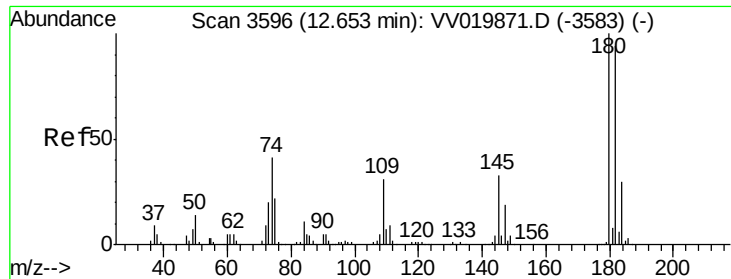
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 1/4/2021 12:17:31 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.229 ug/L m
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	54.9	56.5	84.7#
157	91.6	74.2	111.2





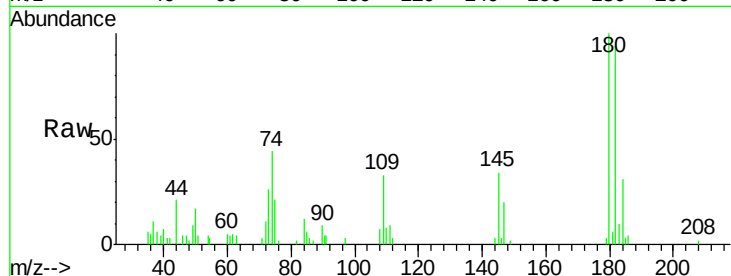
#69
1,3,5-Trichlorobenzene
Concen: 0.274 ug/L
RT: 12.66 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion:	180	Resp:	7786
Ion Ratio	Lower	Upper	
180	100		
182	98.2	75.9	113.9
184	29.1	23.5	35.3
145	31.8	26.2	39.2

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1/4/2021 12:17:31 PM

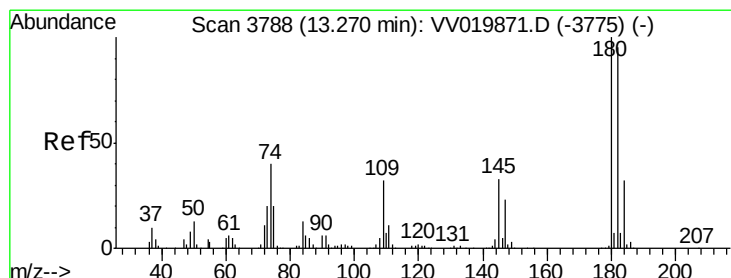
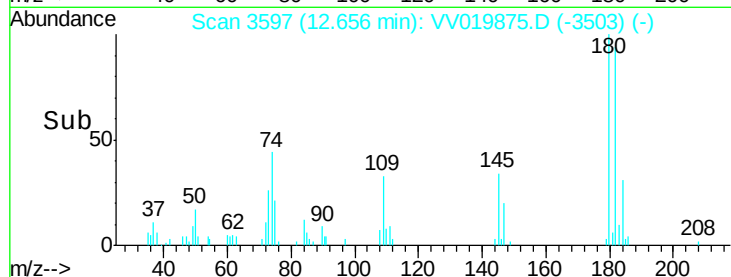
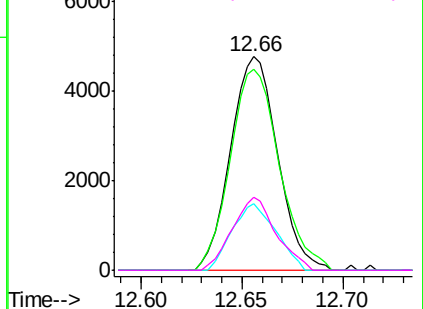


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



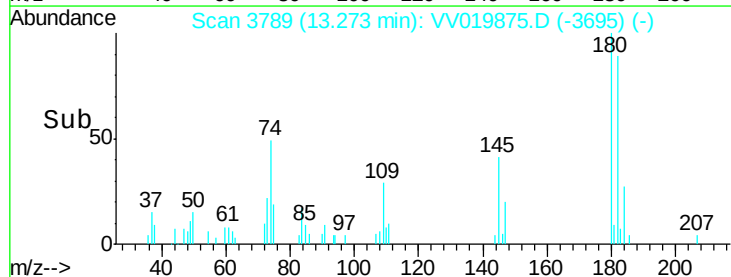
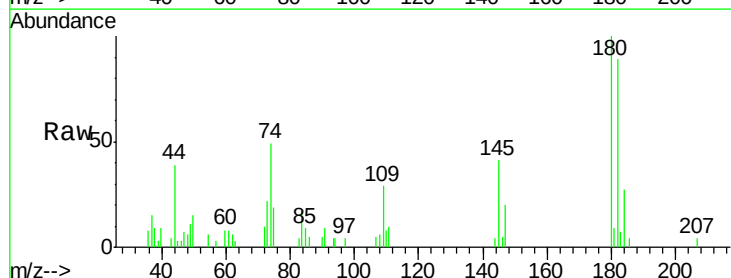
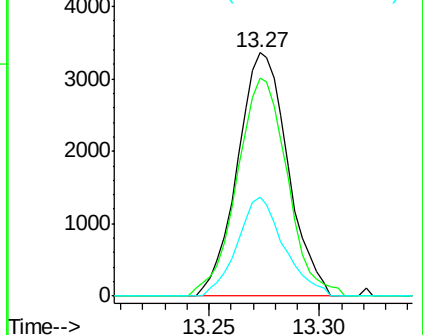
#70
1,2,4-trichlorobenzene
Concen: 0.231 ug/L
RT: 13.27 min Scan# 3789
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

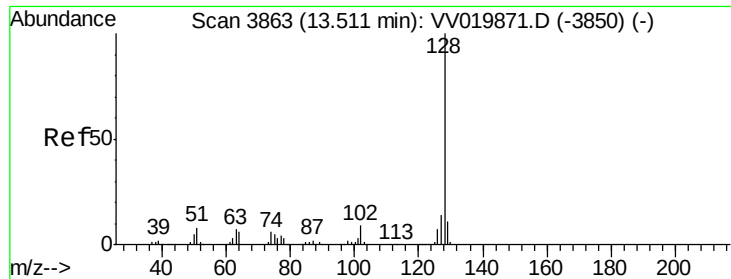
Tgt Ion:	180	Resp:	5341
Ion Ratio	Lower	Upper	
180	100		
182	89.3	75.9	113.9
145	37.7	26.6	39.8

Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





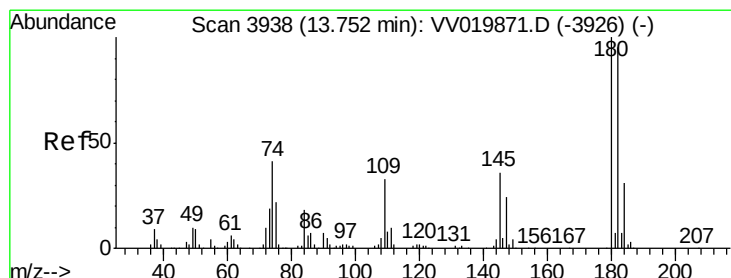
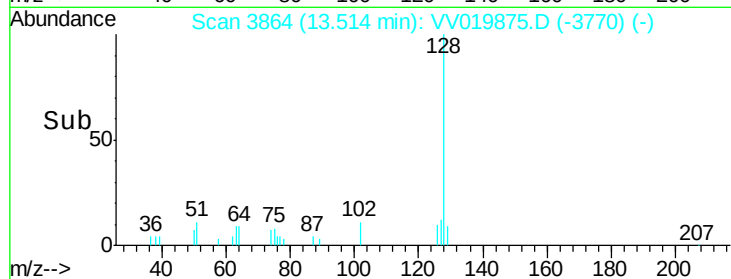
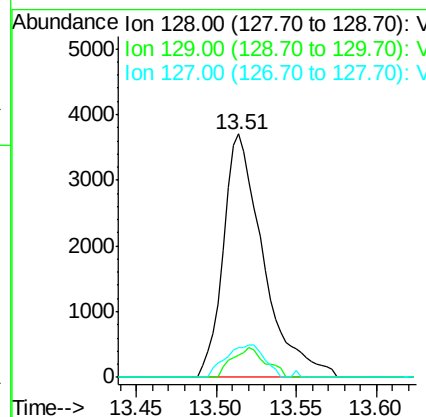
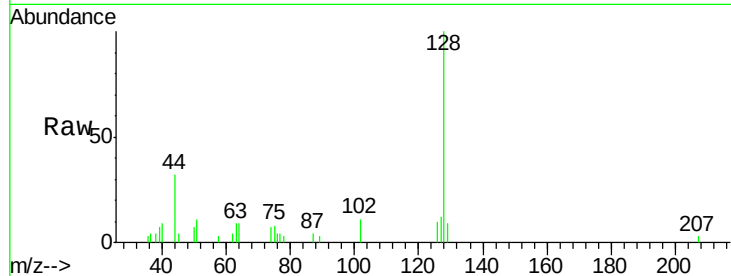
#71
Naphthalene
Concen: 0.182 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.5	12.7
127	12.9	10.2	15.4

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1/4/2021 12:17:31 PM



#72
1,2,3-Trichlorobenzene
Concen: 0.244 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	74.6	112.0
145	31.5	28.8	43.2

