

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123120\
 Data File : VV019882.D
 Acq On : 31 Dec 2020 15:15
 Operator : SY/MD
 Sample : L4485-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-07

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 11:41:51 AM

Quant Time: Jan 04 10:11:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 01 00:38:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	249951	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	238053	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	110483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	81183	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.57	69	70257	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.10	63	132190	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.95	46	176587	46.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.06%
24) Chloroform-d	4.35	84	144153	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.04	65	79669	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.05	84	298723	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.07	67	93298	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.32	98	256232	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.63	79	28074	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.10	63	113763	41.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.72%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	52541	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.63	152	83521	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	5506	0.230 ug/L	95
3) Chloromethane	1.24	50	6647	0.251 ug/L	99
5) Vinyl chloride	1.31	62	6583m	0.254 ug/L	
6) Bromomethane	1.52	94	3853	0.254 ug/L	95
8) Chloroethane	1.58	64	3550	0.224 ug/L	87
9) Trichlorofluoromethane	1.75	101	7593	0.241 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	5071	0.299 ug/L	90
12) 1,1-Dichloroethene	2.11	96	5331	0.308 ug/L #	1
13) Acetone	2.25	43	9243m	3.248 ug/L	
14) Carbon disulfide	2.29	76	13743	0.229 ug/L	100
15) Methyl Acetate	2.44	43	1043m	0.147 ug/L	
16) Methylene chloride	2.51	84	8029	0.381 ug/L	96
17) Methyl tert-butyl Ether	2.78	73	9692	0.224 ug/L #	89
18) trans-1,2-Dichloroethene	2.77	96	4457	0.228 ug/L	90
19) 1,1-Dichloroethane	3.20	63	9029	0.238 ug/L	96
21) 2-Butanone	4.05	43	10810m	2.258 ug/L	
22) cis-1,2-Dichloroethene	3.92	96	4749	0.234 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123120\
 Data File : VV019882.D
 Acq On : 31 Dec 2020 15:15
 Operator : SY/MD
 Sample : L4485-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

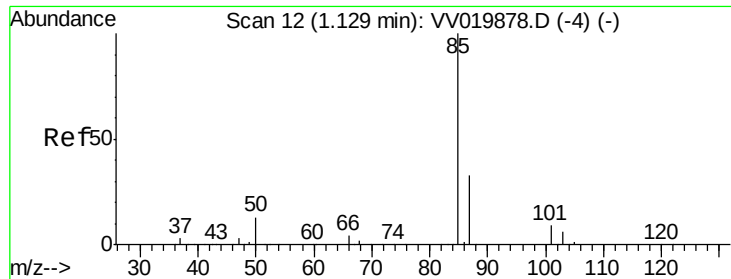
Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 11:41:51 AM

Quant Time: Jan 04 10:11:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 01 00:38:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.26	128	1927	0.238	ug/L	87
25) Chloroform	4.38	83	21365	0.567	ug/L	97
27) 1,2-Dichloroethane	5.15	62	5952	0.259	ug/L #	89
29) 1,1,1-Trichloroethane	4.61	97	7321	0.226	ug/L	98
30) Cyclohexane	4.68	56	7585	0.232	ug/L #	90
31) Carbon tetrachloride	4.84	117	5847m	0.220	ug/L	
33) Benzene	5.11	78	16989	0.213	ug/L	100
34) Trichloroethene	5.92	95	5087	0.239	ug/L	97
35) Methylcyclohexane	6.14	83	6783	0.213	ug/L	97
37) 1,2-Dichloropropane	6.19	63	4439	0.222	ug/L	100
38) Bromodichloromethane	6.52	83	5554	0.225	ug/L	95
39) cis-1,3-Dichloropropene	7.04	75	5280	0.192	ug/L	94
40) 4-Methyl-2-pentanone	7.24	43	22523	1.996	ug/L #	90
42) Toluene	7.40	91	18786	0.232	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	6283	0.280	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	2918	0.226	ug/L	92
47) Tetrachloroethene	7.98	164	3148	0.218	ug/L	88
48) 2-Hexanone	8.15	43	32499	4.154	ug/L	89
49) Dibromochloromethane	8.25	129	2763	0.198	ug/L	96
50) 1,2-Dibromoethane	8.36	107	2729	0.232	ug/L #	78
51) Chlorobenzene	8.89	112	10933	0.214	ug/L	94
52) Ethylbenzene	9.02	91	19195	0.214	ug/L	97
53) m,p-xylene	9.15	106	6804	0.208	ug/L	97
54) o-xylene	9.55	106	6674	0.212	ug/L	88
55) Styrene	9.57	104	10469	0.197	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.25	83	3070	0.224	ug/L #	80
59) Bromoform	9.74	173	1198	0.200	ug/L #	91
60) Isopropylbenzene	9.94	105	17767	0.221	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	2941	0.275	ug/L	92
62) 1,3,5-Trimethylbenzene	10.55	105	13523	0.203	ug/L	96
63) 1,2,4-Trimethylbenzene	10.92	105	13337	0.197	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	7471	0.212	ug/L	93
65) 1,4-Dichlorobenzene	11.28	146	8560	0.242	ug/L	97
67) 1,2-Dichlorobenzene	11.65	146	8170	0.252	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.43	75	435	0.197	ug/L #	75
69) 1,3,5-Trichlorobenzene	12.65	180	5533	0.211	ug/L	96
70) 1,2,4-trichlorobenzene	13.27	180	4168	0.196	ug/L	96
71) Naphthalene	13.52	128	4704	0.146	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.76	180	3512	0.194	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.230 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tot Ion: 85 Resp: 5506

Ion Ratio Lower Upper

85 100

87 34.7 25.6 38.4

Instrument :

MSVOA_V

ClientSampleId :

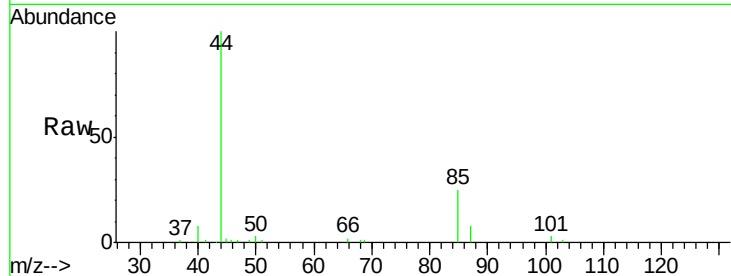
MDL-WATER-07

Manual Integrations

APPROVED

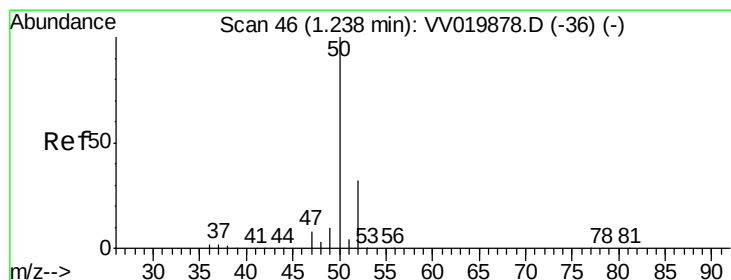
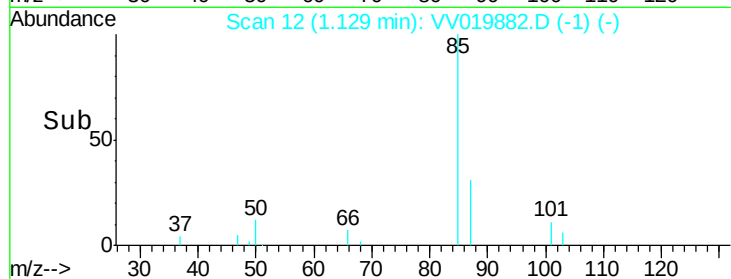
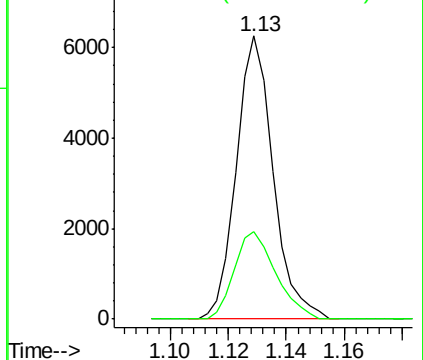
MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.251 ug/L

RT: 1.24 min Scan# 46

Delta R.T. -0.00 min

Lab File: VV019882.D

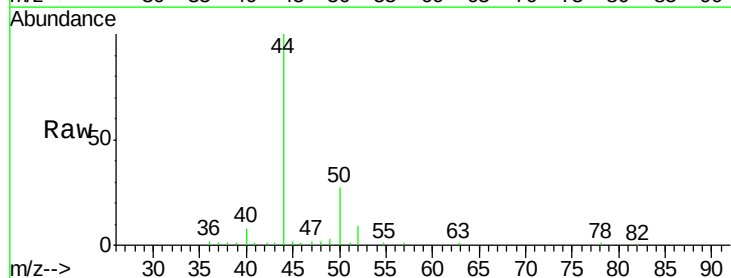
Acq: 31 Dec 2020 15:15

Tgt Ion: 50 Resp: 6647

Ion Ratio Lower Upper

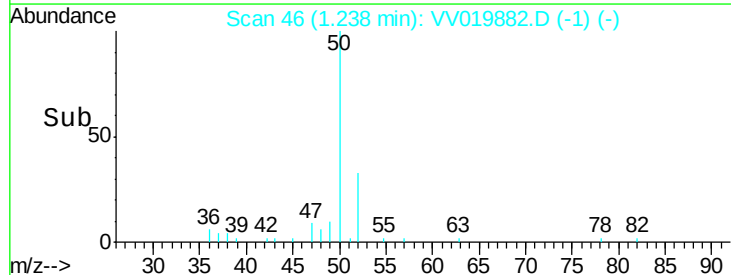
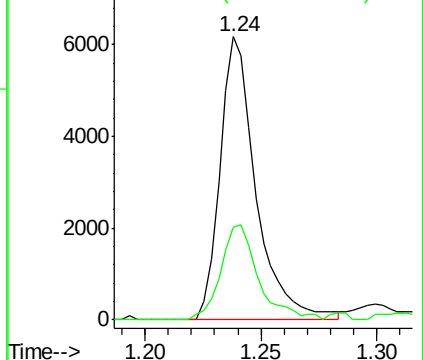
50 100

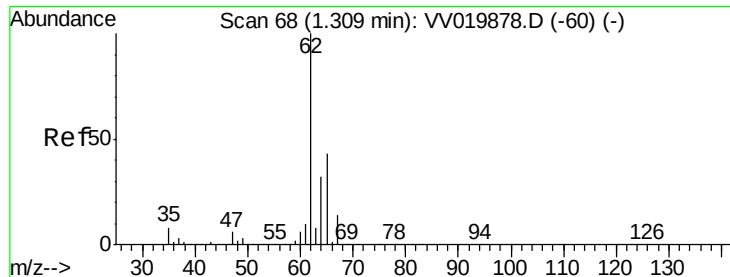
52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.254 ug/L m

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 62 Resp: 6583

Ion Ratio Lower Upper

62 100

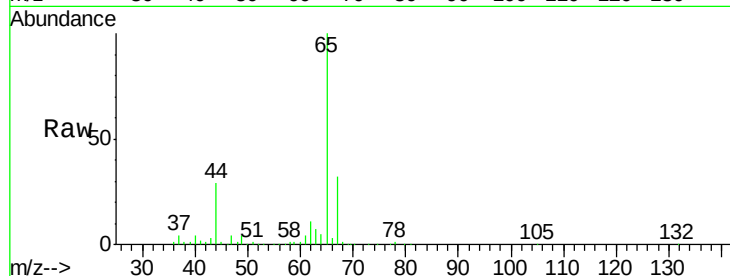
64 44.8 23.2 43.2#

Manual Integrations

APPROVED

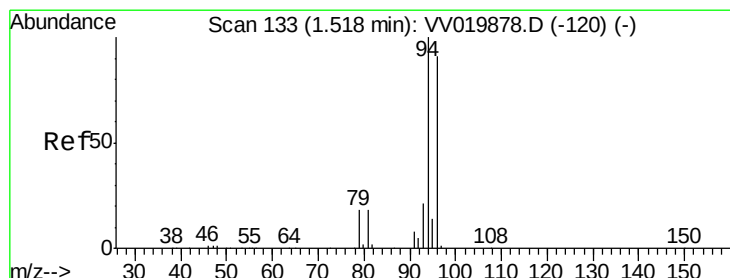
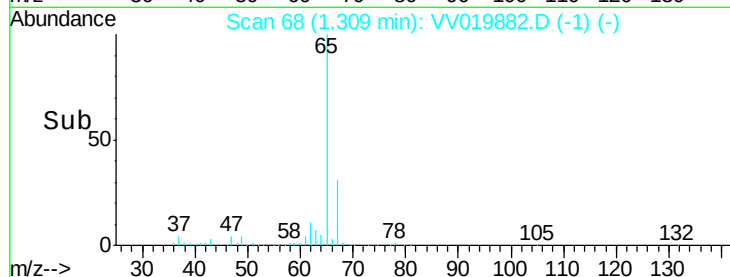
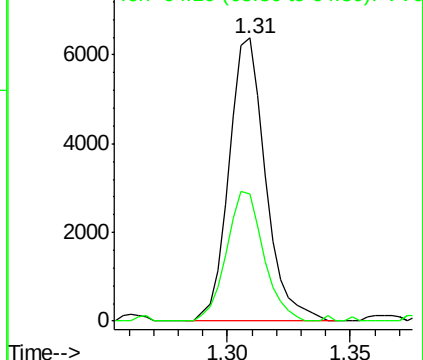
MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.254 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019882.D

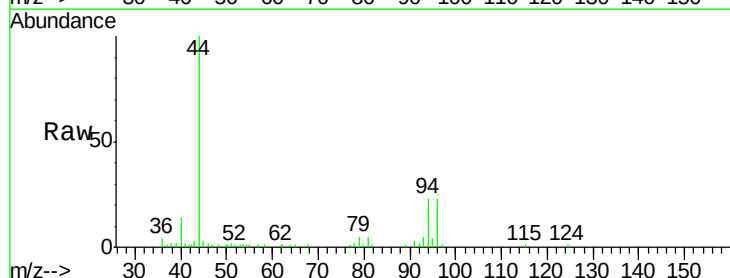
Acq: 31 Dec 2020 15:15

Tgt Ion: 94 Resp: 3853

Ion Ratio Lower Upper

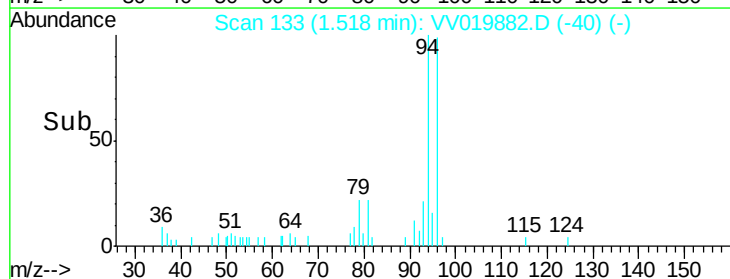
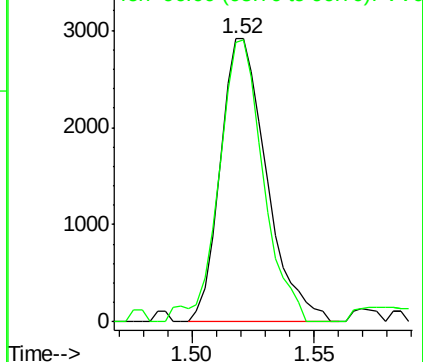
94 100

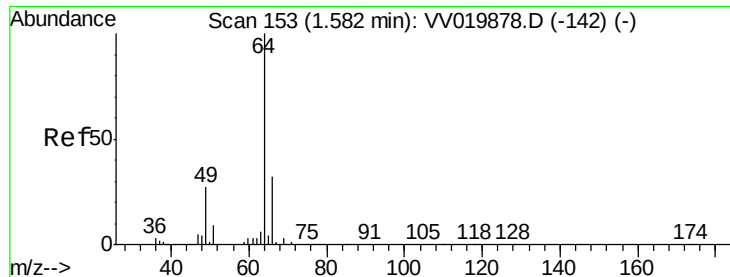
96 98.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.224 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 64 Resp: 3550

Ion Ratio Lower Upper

64 100

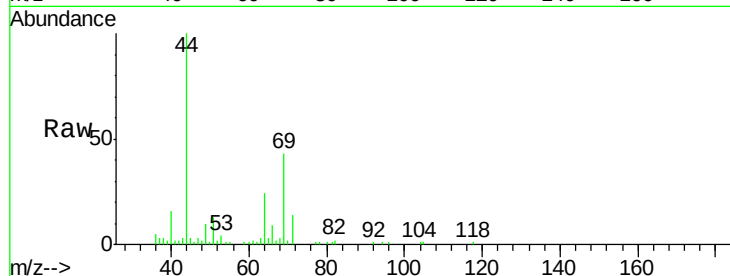
66 38.8 22.0 40.8

Manual Integrations

APPROVED

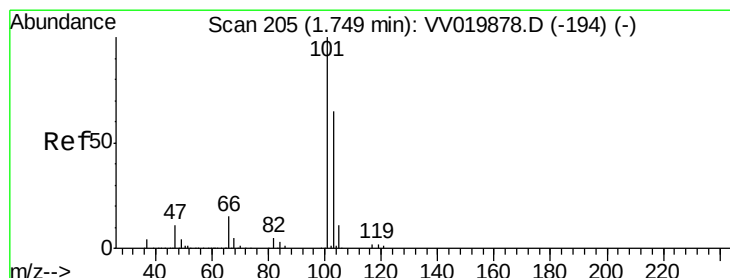
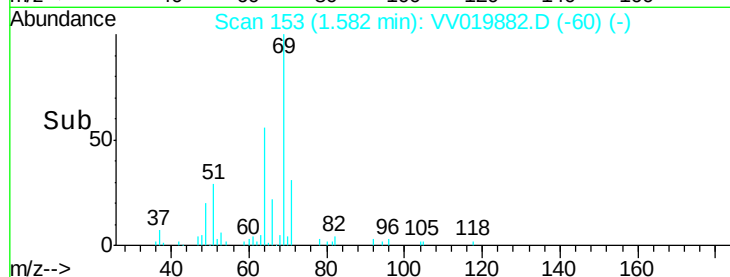
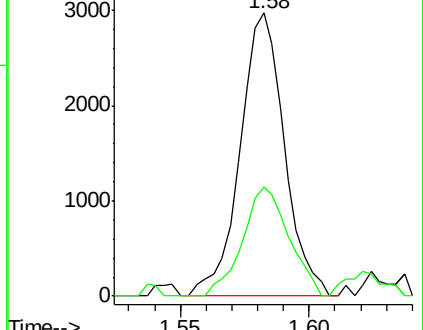
MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 64.10 (63.80 to 64.80): VV019882.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV019882.D (-142) (-)



#9

Trichlorofluoromethane

Concen: 0.241 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019882.D

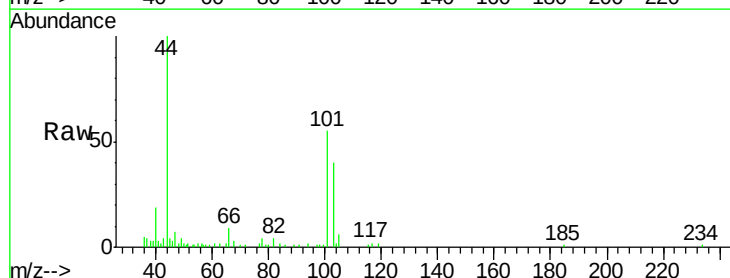
Acq: 31 Dec 2020 15:15

Tgt Ion: 101 Resp: 7593

Ion Ratio Lower Upper

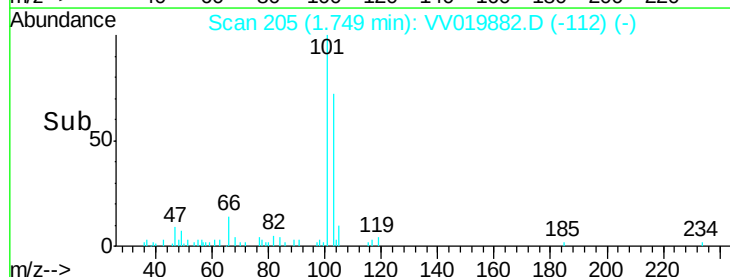
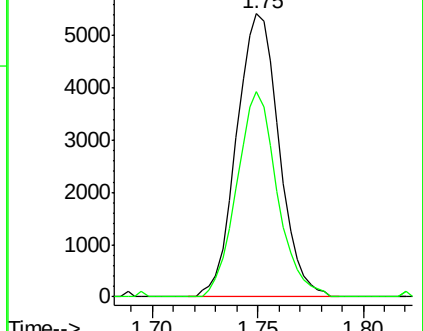
101 100

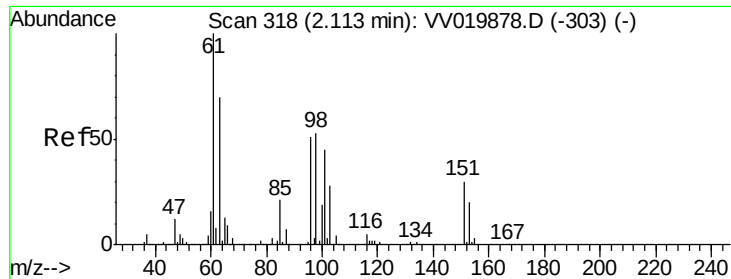
103 69.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019882.D (-194) (-)

Ion 103.00 (102.70 to 103.70): VV019882.D (-194) (-)





#10

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

Concen: 0.299 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

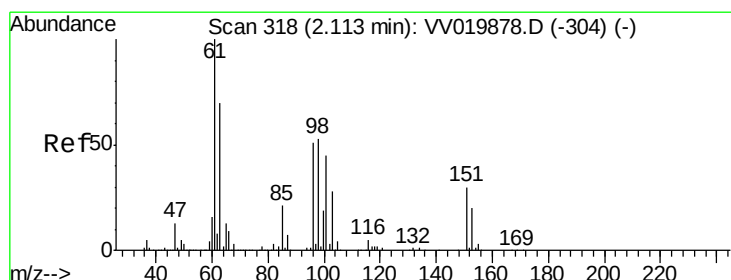
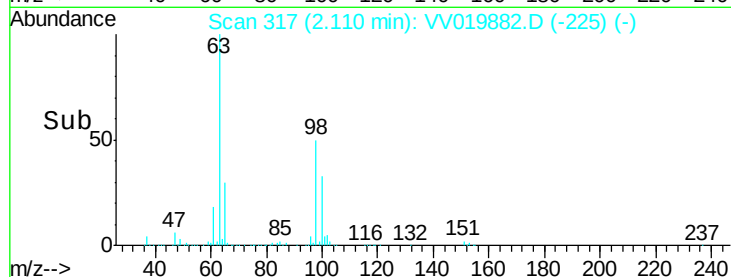
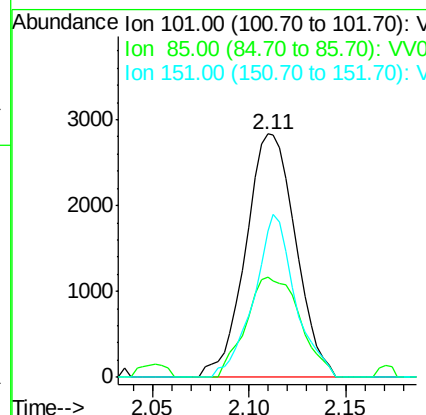
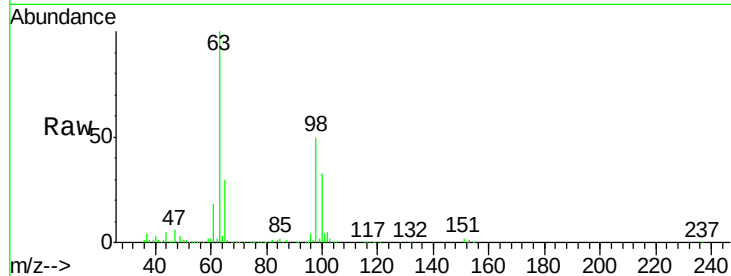
ClientSampleId :

MDL-WATER-07

Tot Ion:	101	Resp:	5071
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.4	54.6
151	55.3	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
1/4/2021 11:41:51 AM



#12

1,1-Dichloroethene

Concen: 0.308 ug/L

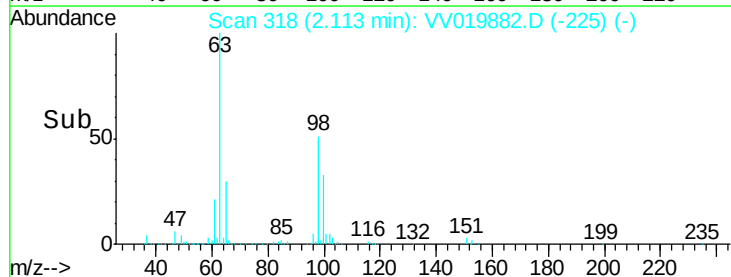
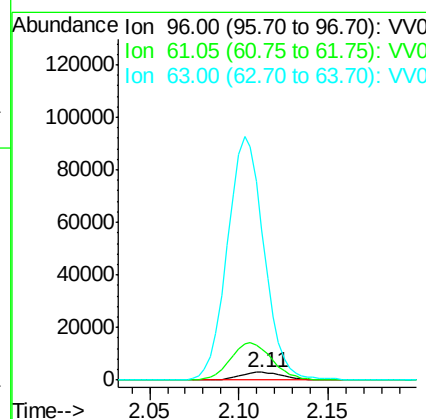
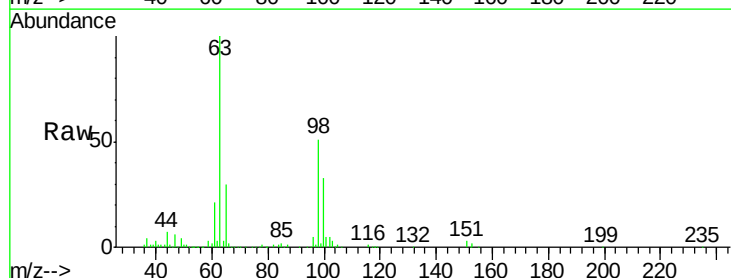
RT: 2.11 min Scan# 318

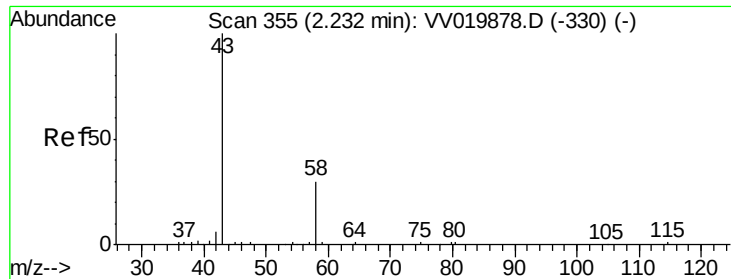
Delta R.T. -0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tgt Ion:	96	Resp:	5331
Ion Ratio	Lower	Upper	
96	100		
61	415.3	131.5	244.1#
63	2003.6	95.2	176.8#





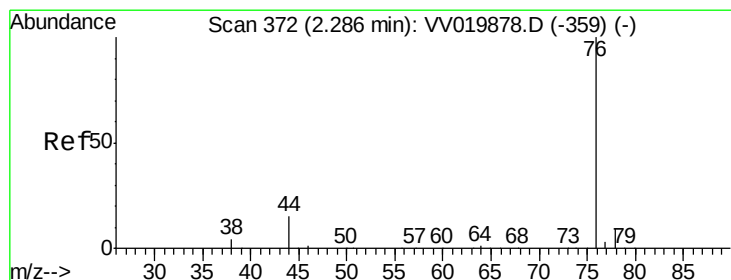
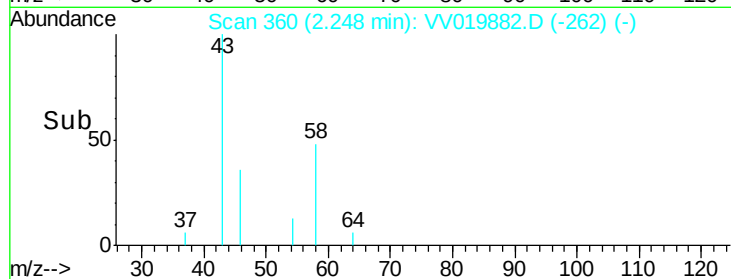
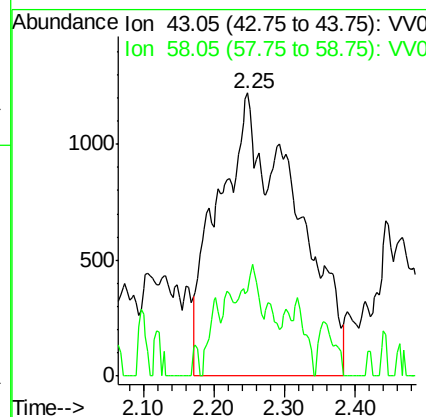
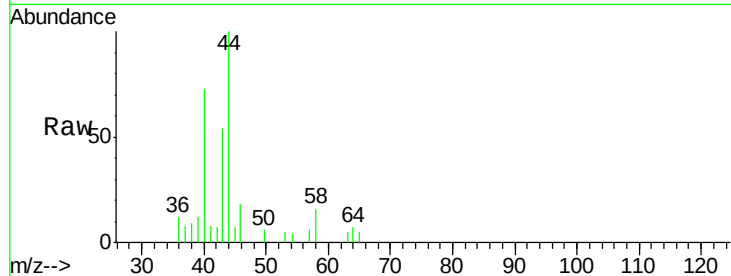
#13
Acetone
Concen: 3.248 ug/L m
RT: 2.25 min Scan# 360
Delta R.T. 0.02 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
43	100		
58	1.0	0.0	31.4

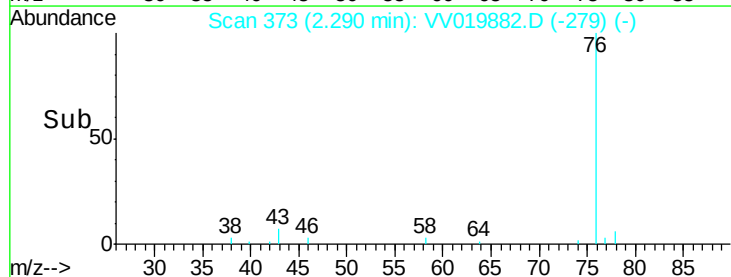
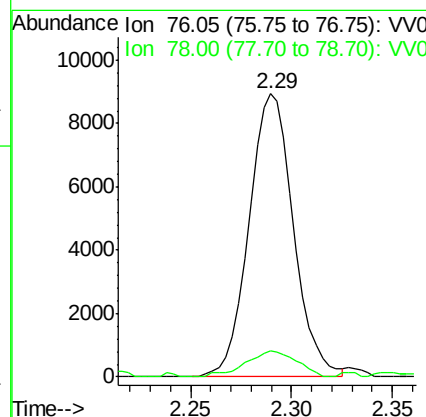
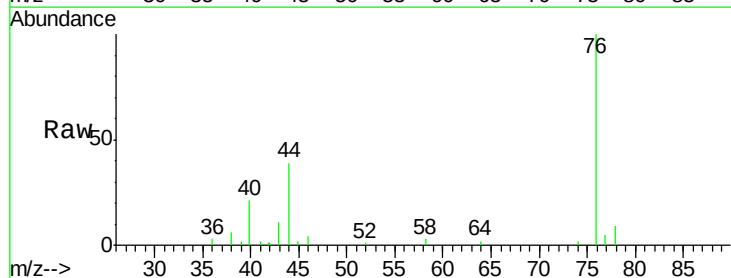
Manual Integrations
APPROVED

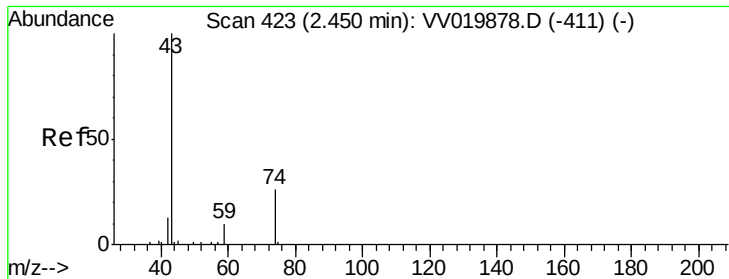
MMDadoda
1/4/2021 11:41:51 AM



#14
Carbon disulfide
Concen: 0.229 ug/L
RT: 2.29 min Scan# 373
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8





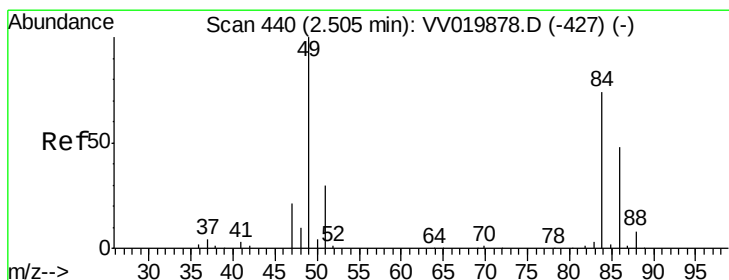
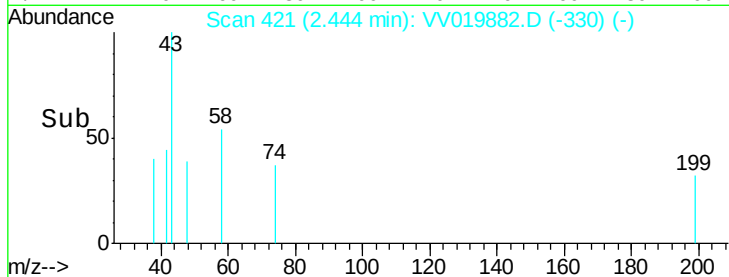
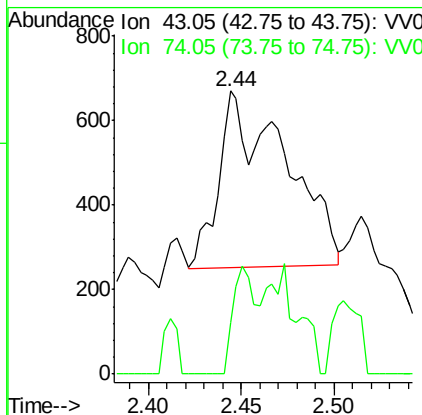
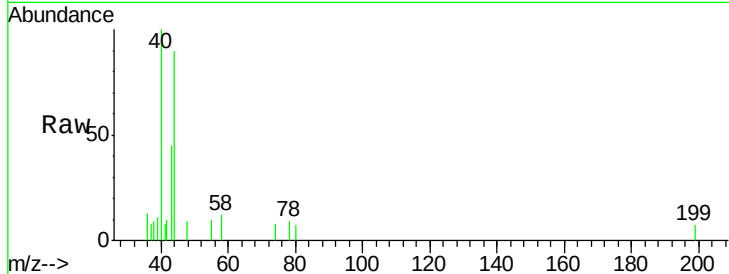
#15
Methyl Acetate
Concen: 0.147 ug/L m
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
74 21.1 10.6 16.0#

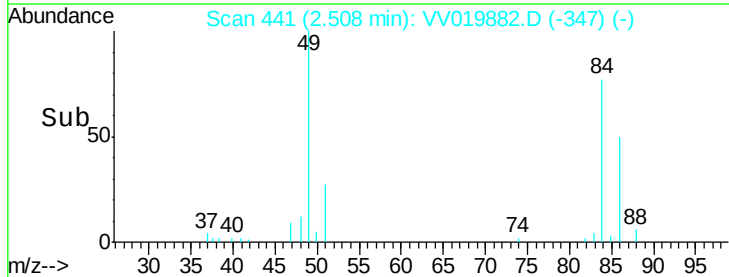
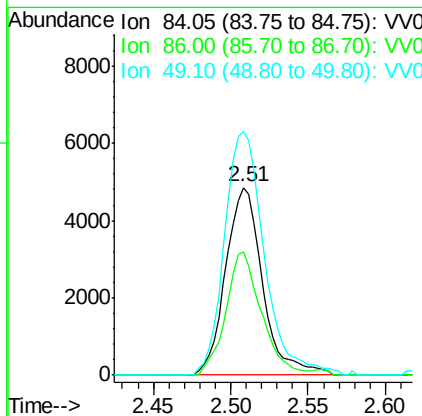
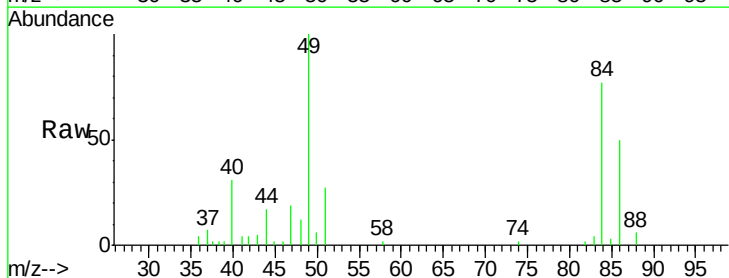
Manual Integrations
APPROVED

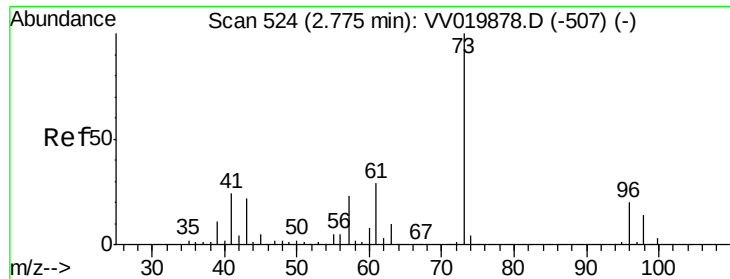
MMDadoda
1/4/2021 11:41:51 AM



#16
Methylene chloride
Concen: 0.381 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 84 Resp: 8029
Ion Ratio Lower Upper
84 100
86 65.6 42.8 79.4
49 129.9 93.9 174.3





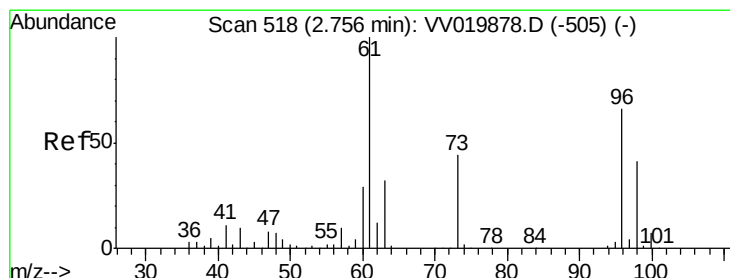
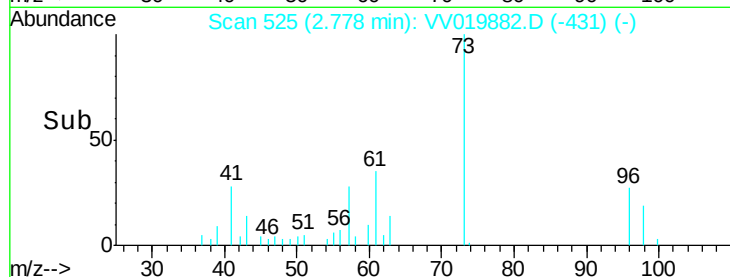
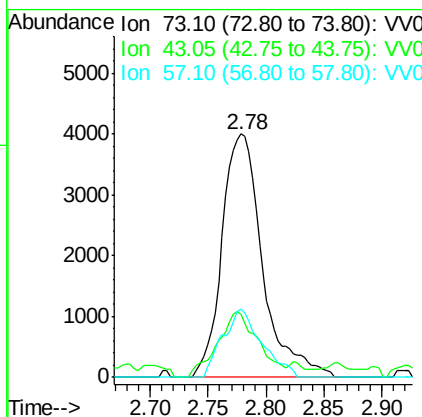
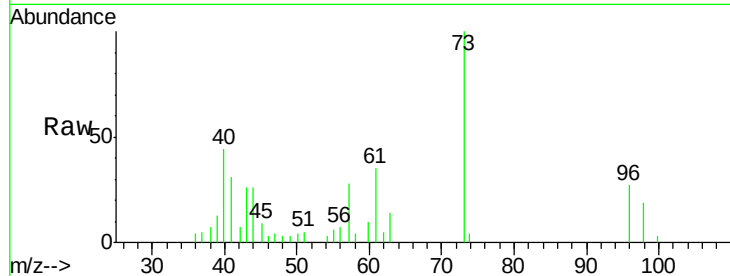
#17
Methyl tert-butyl Ether
Concen: 0.224 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion: 73 Resp: 9692
Ion Ratio Lower Upper
73 100
43 27.2 17.0 25.6#
57 27.0 18.2 27.4

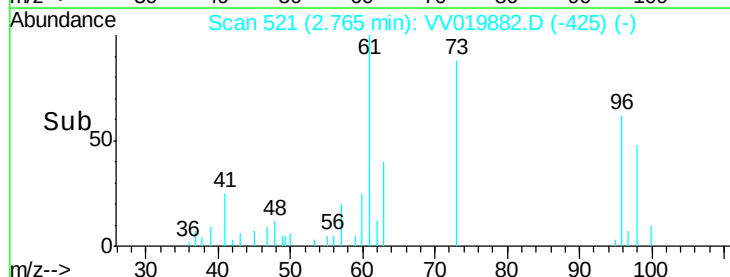
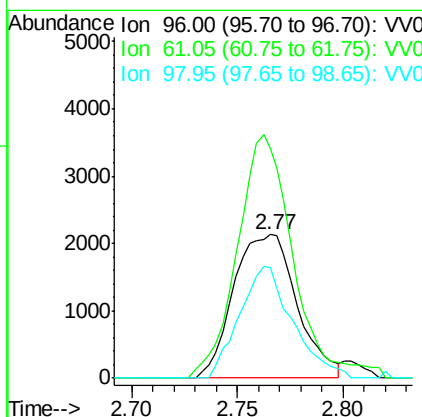
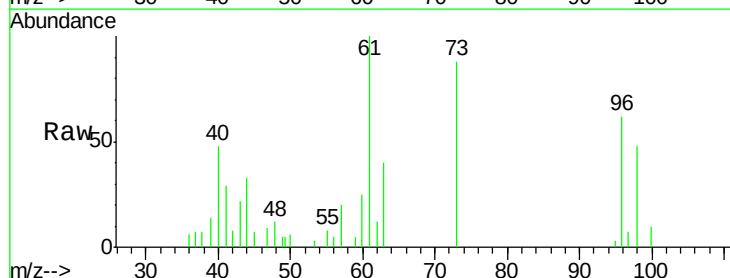
Manual Integrations
APPROVED

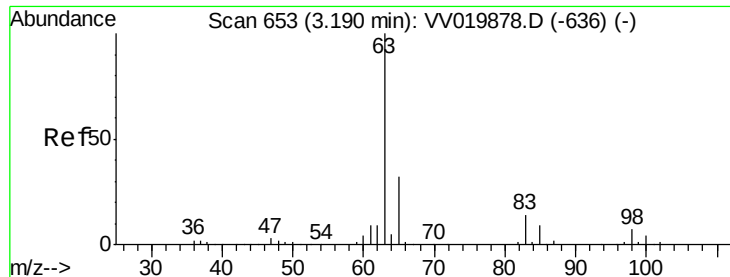
MMDadoda
1/4/2021 11:41:51 AM



#18
trans-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 96 Resp: 4457
Ion Ratio Lower Upper
96 100
61 160.4 106.3 197.3
98 76.8 44.7 82.9





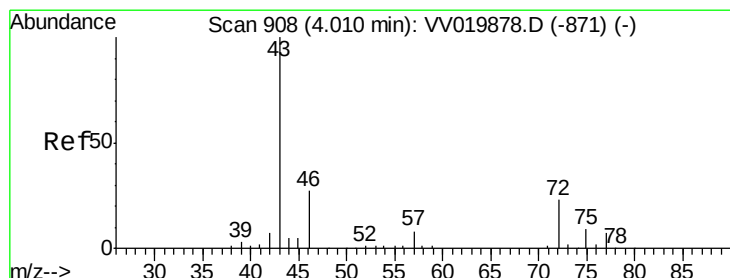
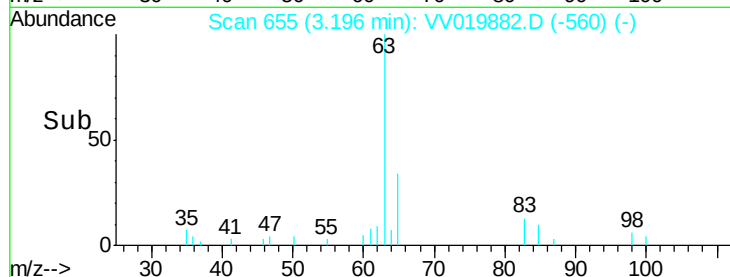
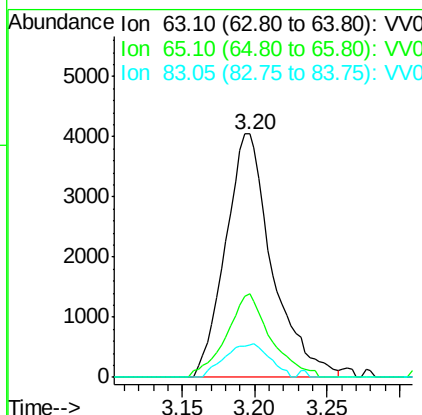
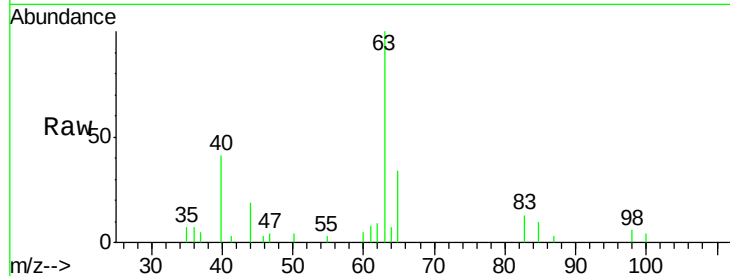
#19
 1,1-Dichloroethane
 Concen: 0.238 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:	63	Resp:	9029
Ion	Ratio	Lower	Upper
63	100		
65	34.4	21.8	40.6
83	13.4	9.0	16.8

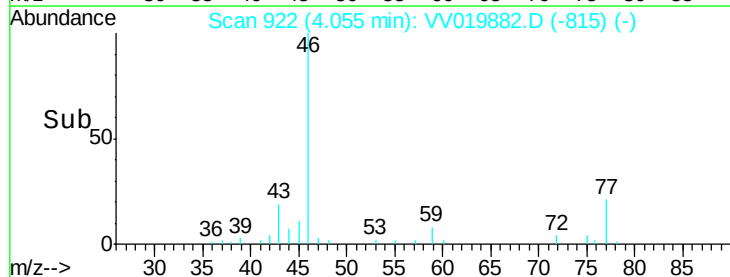
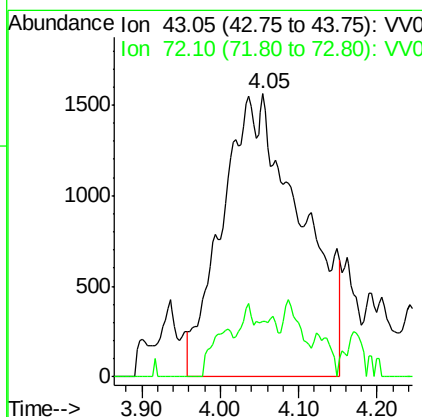
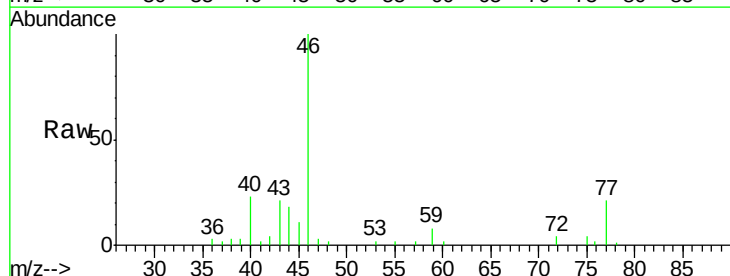
Manual Integrations
 APPROVED

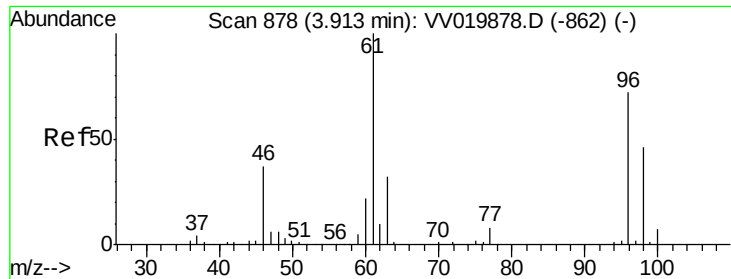
MMDadoda
 1/4/2021 11:41:51 AM



#21
 2-Butanone
 Concen: 2.258 ug/L m
 RT: 4.05 min Scan# 922
 Delta R.T. 0.04 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:	43	Resp:	10810
Ion	Ratio	Lower	Upper
43	100		
72	2.7	10.9	32.7#





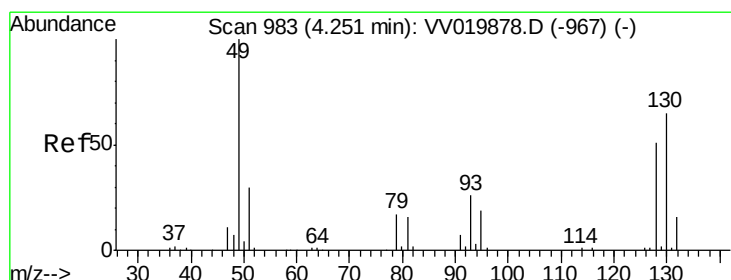
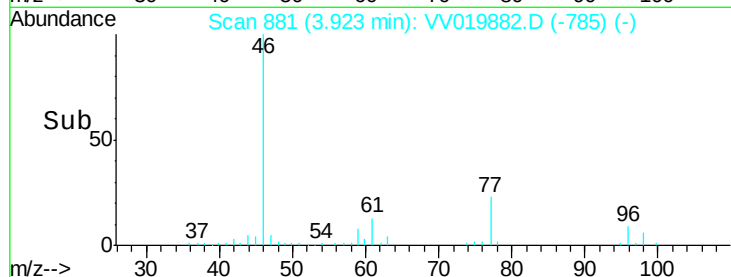
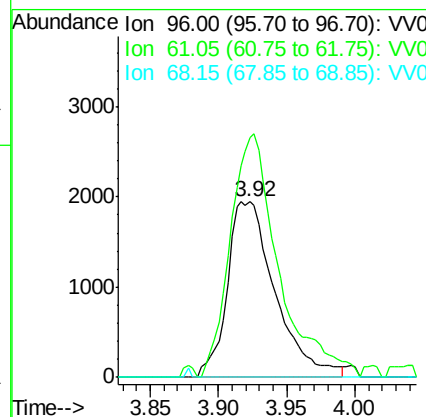
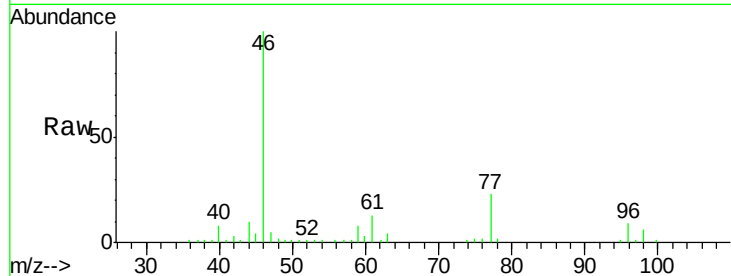
#22
 cis-1,2-Dichloroethene
 Concen: 0.234 ug/L
 RT: 3.92 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	137.0	98.1	182.3
68	68	0.0	0.0	0.0

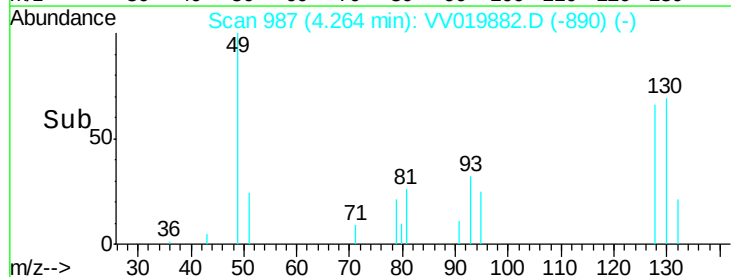
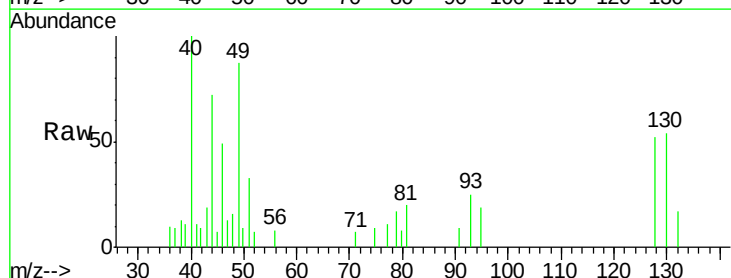
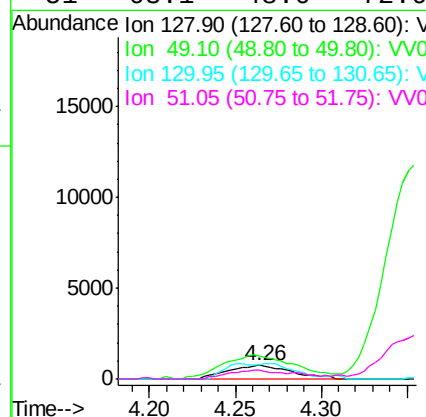
Manual Integrations
 APPROVED

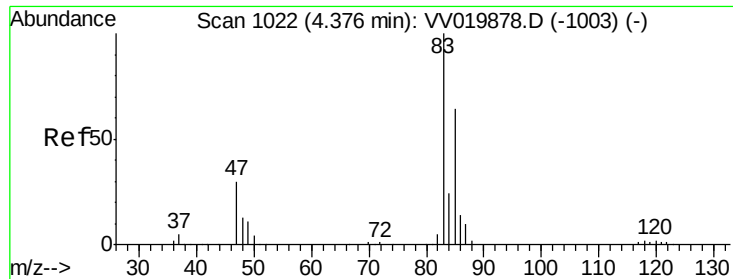
MMDadoda
 1/4/2021 11:41:51 AM



#23
 Bromochloromethane
 Concen: 0.238 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ion	Ratio	Lower	Upper
128	128	100		
49	49	168.9	132.6	246.2
130	130	104.8	86.4	160.4
51	51	63.1	48.0	72.0





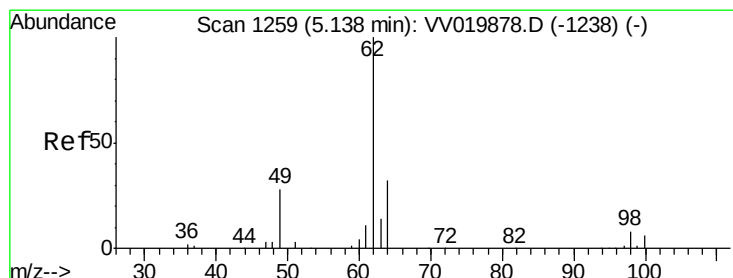
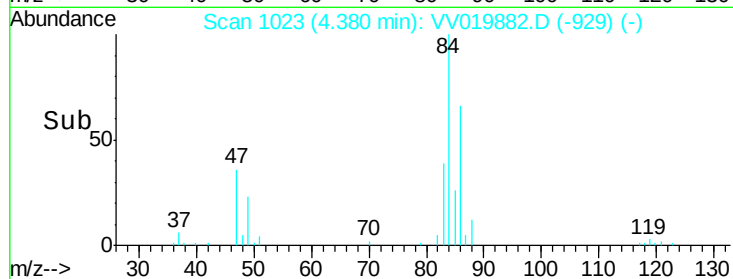
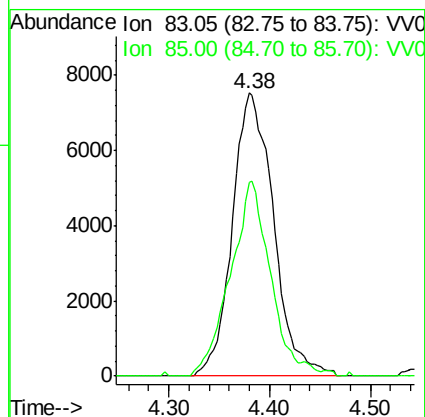
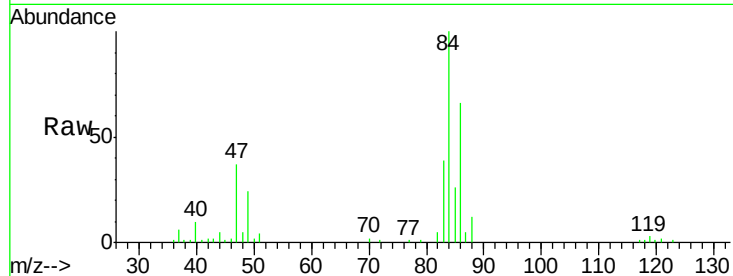
#25
Chloroform
Concen: 0.567 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion: 83 Resp: 21365
Ion Ratio Lower Upper
83 100
85 68.5 46.4 86.2

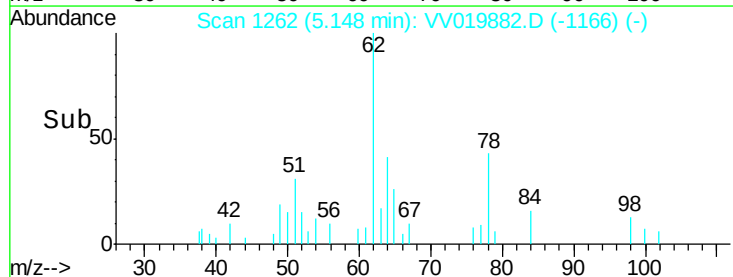
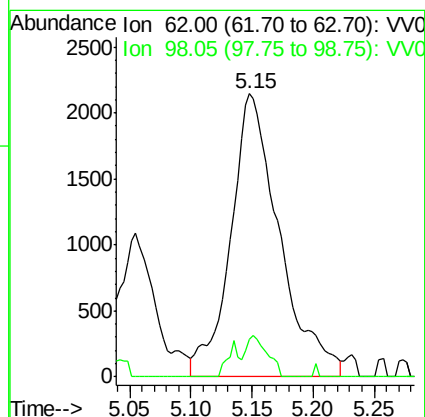
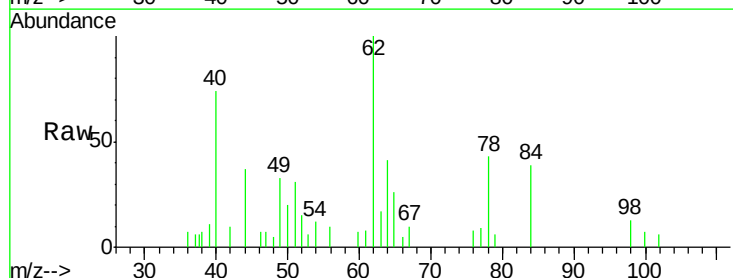
Manual Integrations
APPROVED

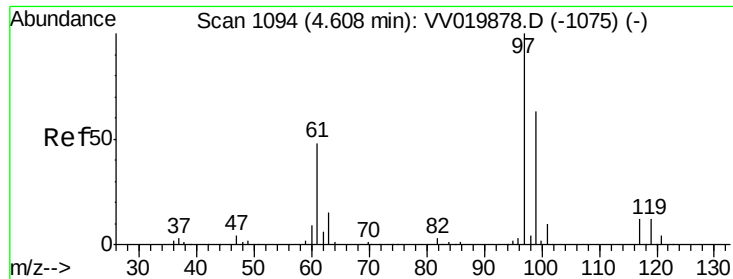
MMDadoda
1/4/2021 11:41:51 AM



#27
1,2-Dichloroethane
Concen: 0.259 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion: 62 Resp: 5952
Ion Ratio Lower Upper
62 100
98 13.4 7.6 11.4#





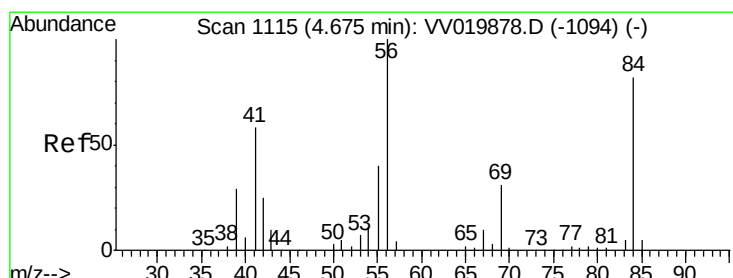
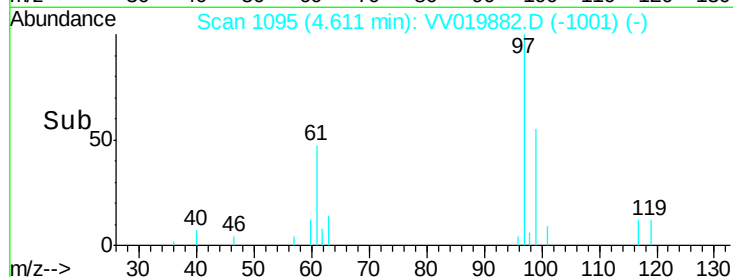
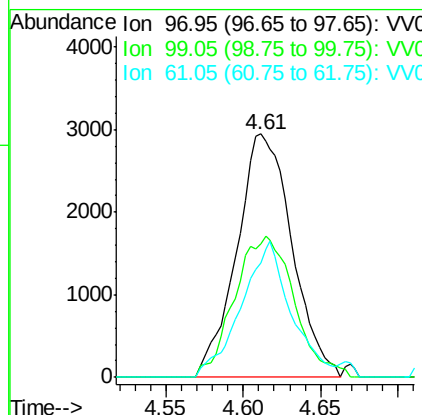
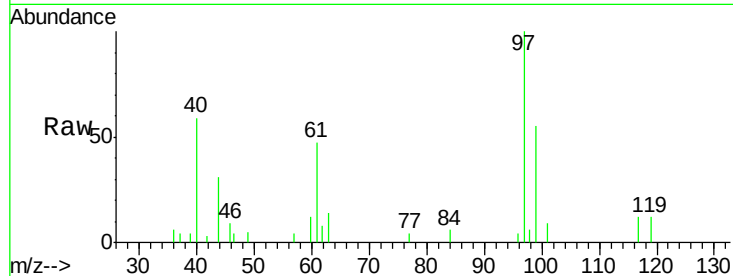
#29
 1,1,1-Trichloroethane
 Concen: 0.226 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.1	76.7
61	50.5	38.6	57.8

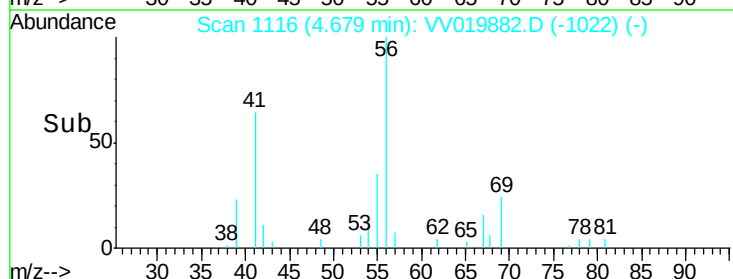
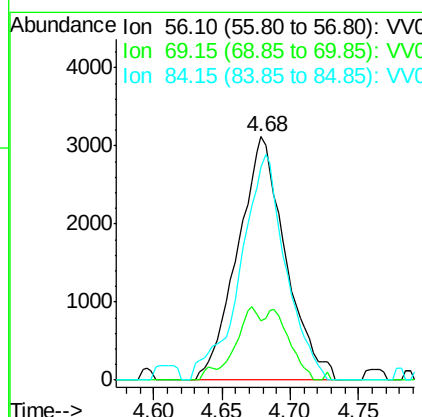
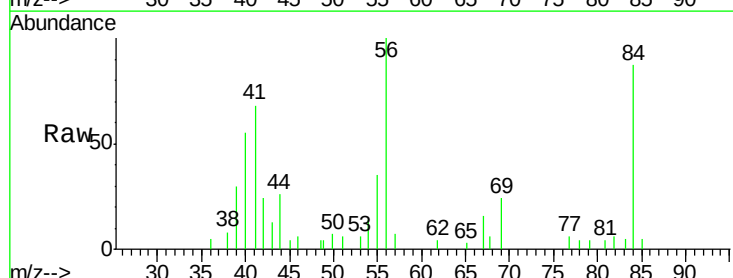
Manual Integrations
 APPROVED

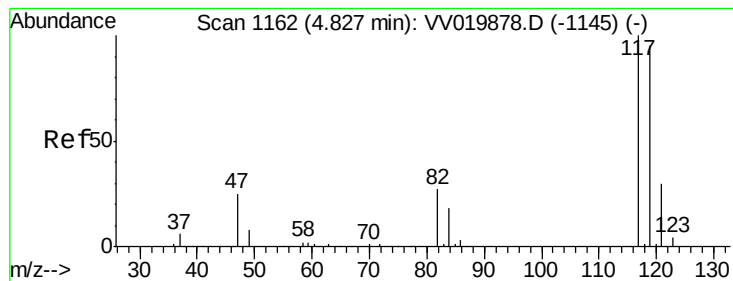
MMDadoda
 1/4/2021 11:41:51 AM



#30
 Cyclohexane
 Concen: 0.232 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
56	100		
69	16.4	24.1	36.1#
84	87.5	66.8	100.2





#31

Carbon tetrachloride

Concen: 0.220 ug/L m

RT: 4.84 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion:117 Resp: 5847

Ion Ratio Lower Upper

117 100

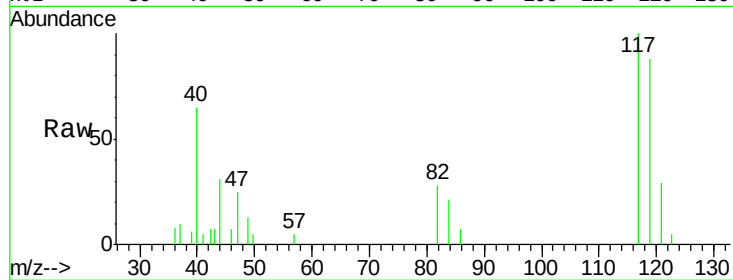
119 97.0 76.0 114.0

Manual Integrations

APPROVED

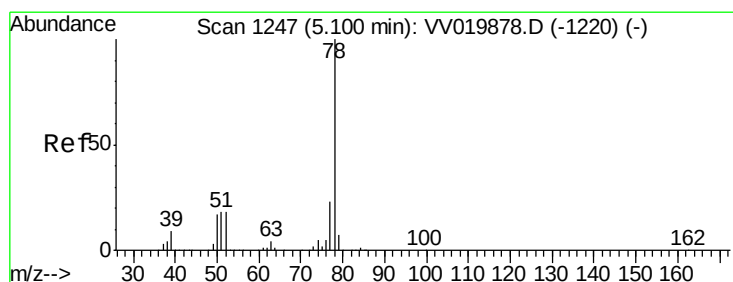
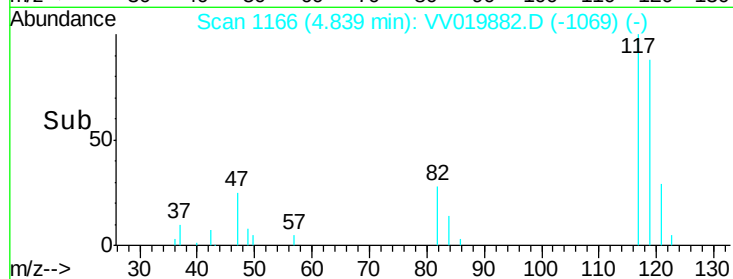
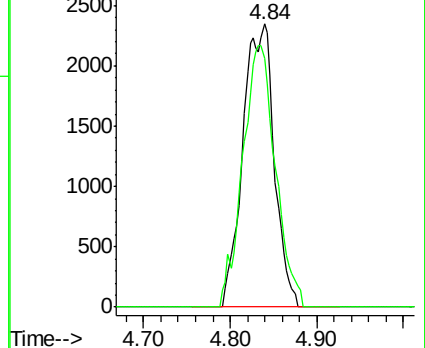
MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.213 ug/L

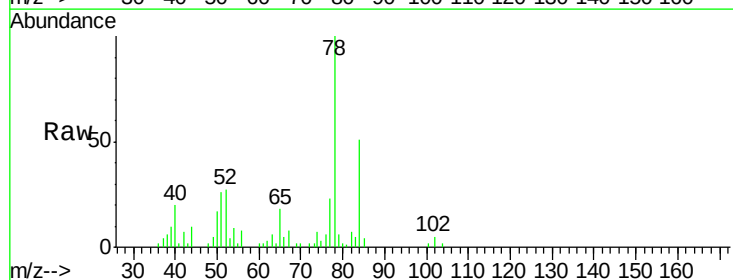
RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

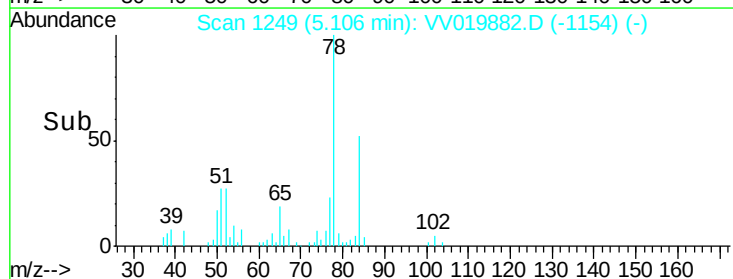
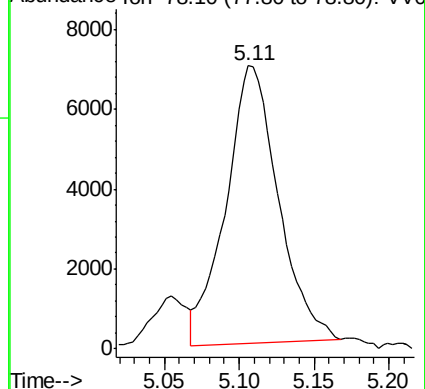
Lab File: VV019882.D

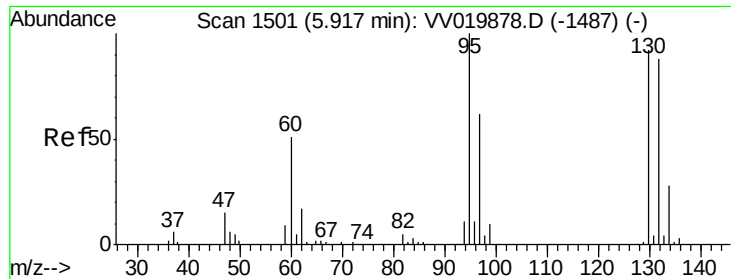
Acq: 31 Dec 2020 15:15

Tgt Ion: 78 Resp: 16989



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.239 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

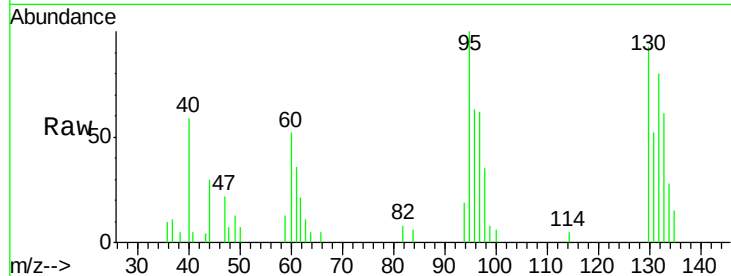
ClientSampleId :

MDL-WATER-07

Tot Ion	95	Resp:	5087
Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.1	81.9
132	79.8	61.2	113.8
130	93.0	65.1	120.9

Manual Integrations
APPROVED

MMDadoda
1/4/2021 11:41:51 AM

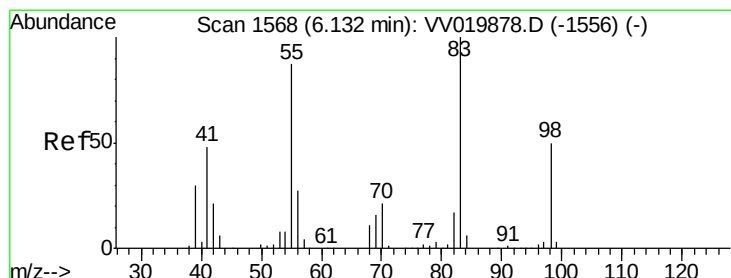
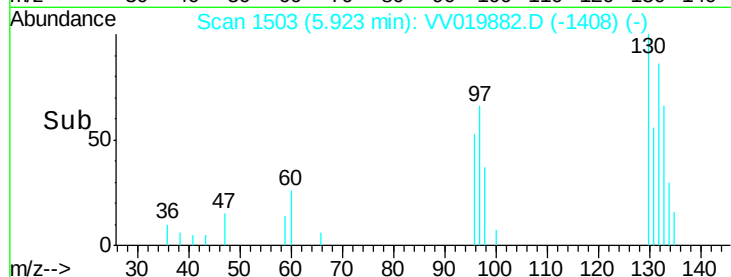
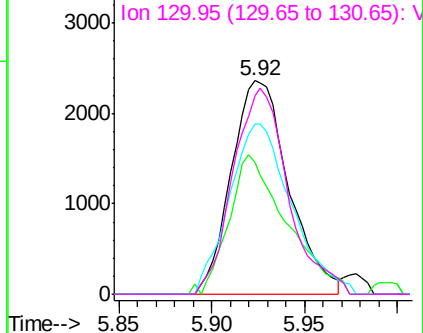


Abundance Ion 95.00 (94.70 to 95.70): VV019882.D (-1487) (-)

Ion 96.95 (96.65 to 97.65): VV019882.D (-1487) (-)

Ion 131.95 (131.65 to 132.65): VV019882.D (-1487) (-)

Ion 129.95 (129.65 to 130.65): VV019882.D (-1487) (-)



#35

Methylcyclohexane

Concen: 0.213 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019882.D

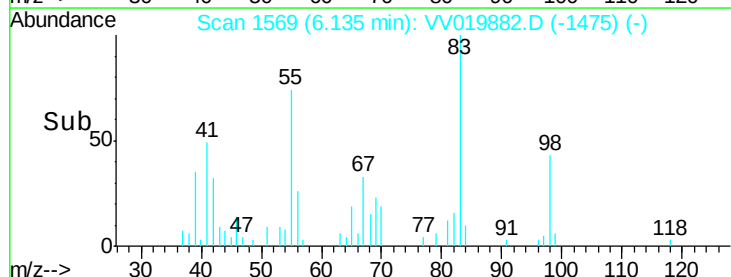
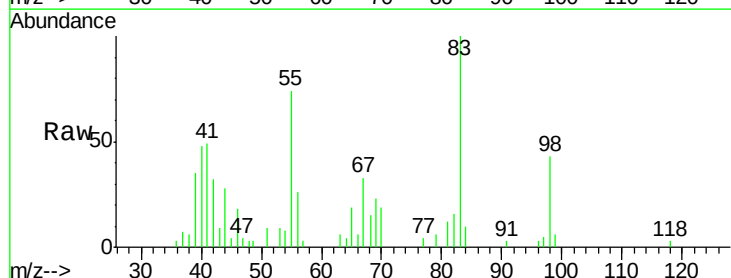
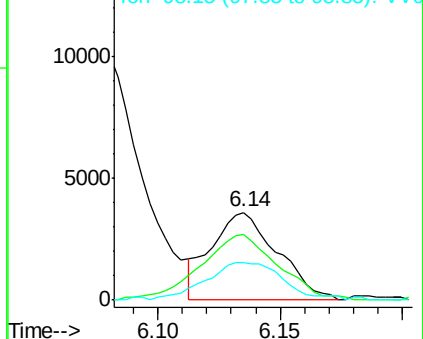
Acq: 31 Dec 2020 15:15

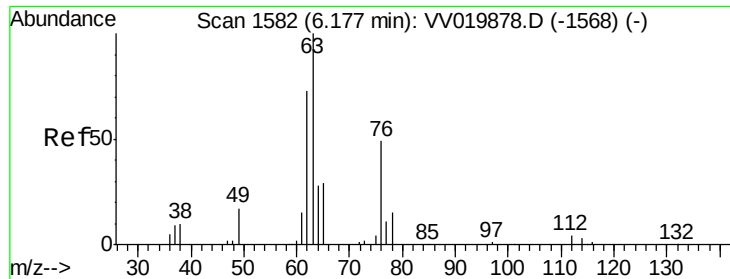
Tgt Ion	83	Resp:	6783
Ion	Ratio	Lower	Upper
83	100		
55	87.8	67.5	101.3
98	50.1	38.6	58.0

Abundance Ion 83.15 (82.85 to 83.85): VV019882.D (-1475) (-)

Ion 55.10 (54.80 to 55.80): VV019882.D (-1475) (-)

Ion 98.15 (97.85 to 98.85): VV019882.D (-1475) (-)





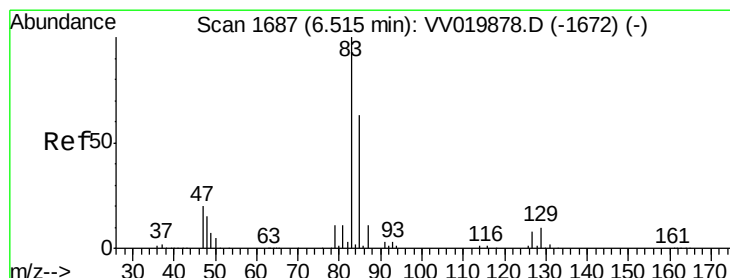
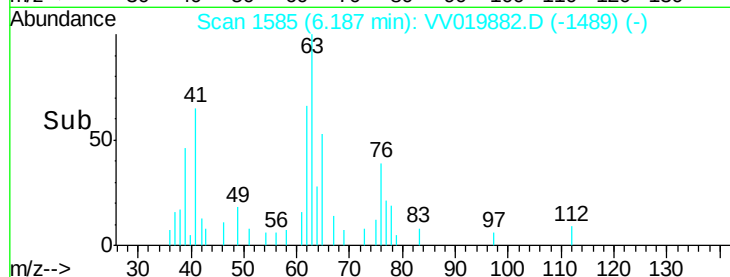
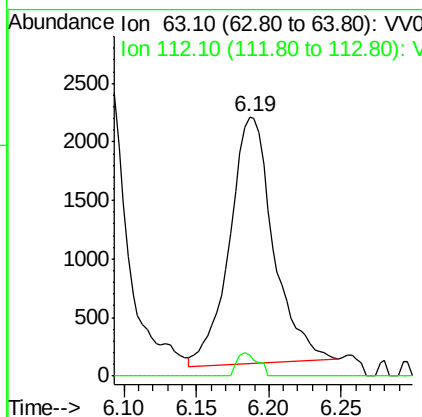
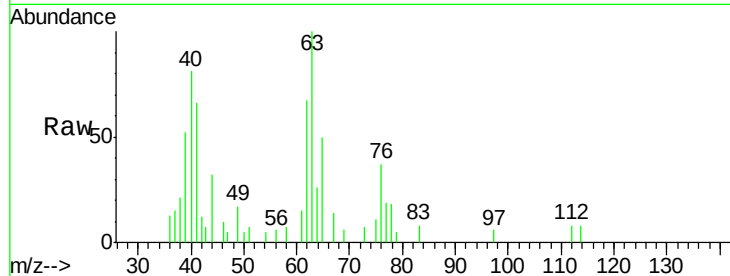
#37
 1,2-Dichloropropane
 Concen: 0.222 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 63 Resp: 4439
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4

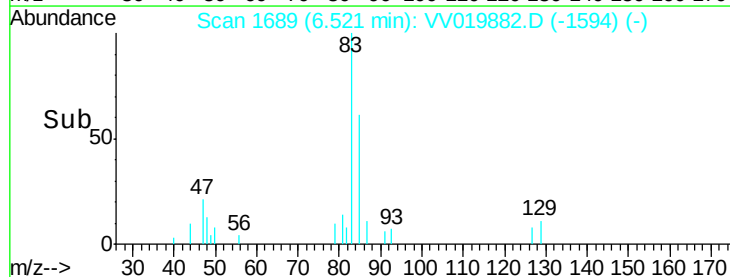
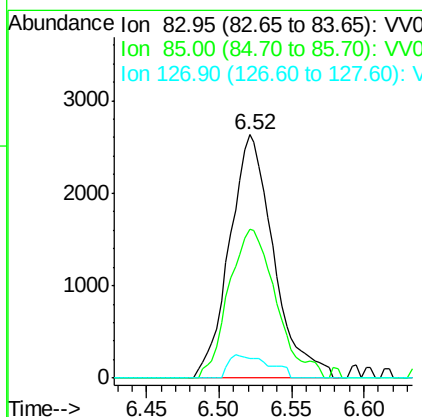
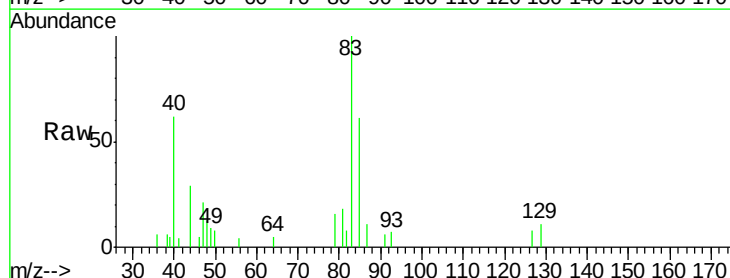
Manual Integrations
 APPROVED

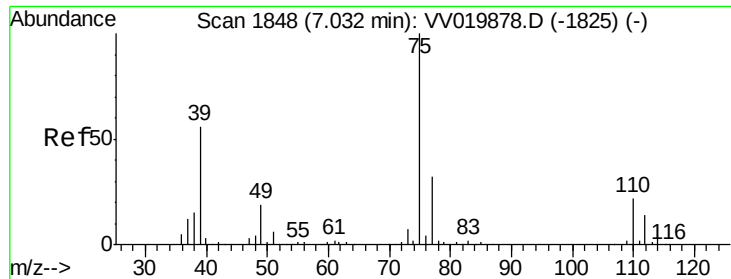
MMDadoda
 1/4/2021 11:41:51 AM



#38
 Bromodichloromethane
 Concen: 0.225 ug/L
 RT: 6.52 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 83 Resp: 5554
 Ion Ratio Lower Upper
 83 100
 85 61.3 45.9 85.3
 127 8.2 6.2 9.2





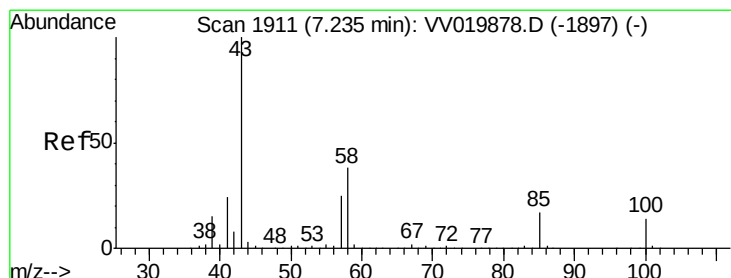
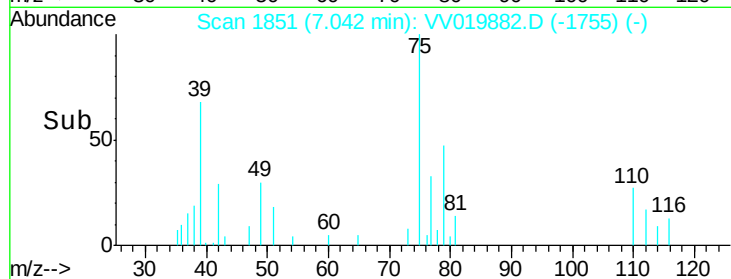
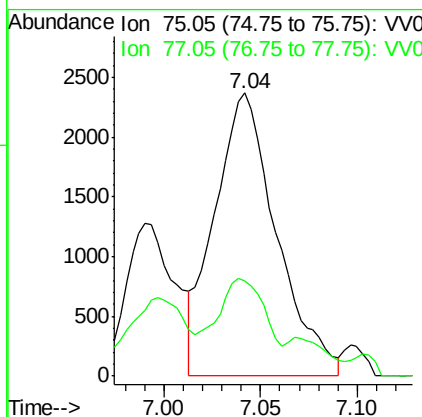
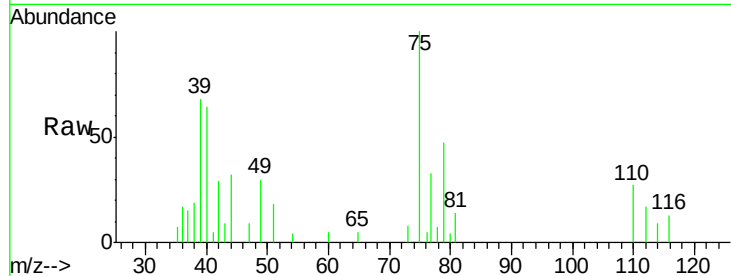
#39
 cis-1,3-Dichloropropene
 Concen: 0.192 ug/L
 RT: 7.04 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 75 Resp: 5280
 Ion Ratio Lower Upper
 75 100
 77 33.5 21.0 39.0

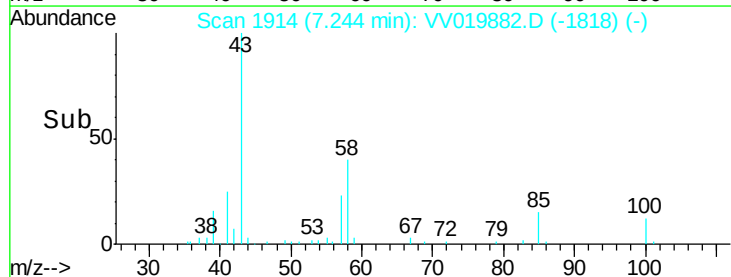
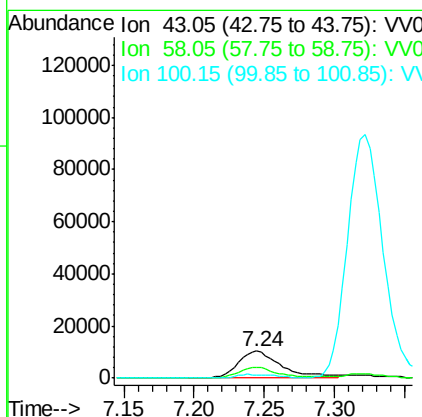
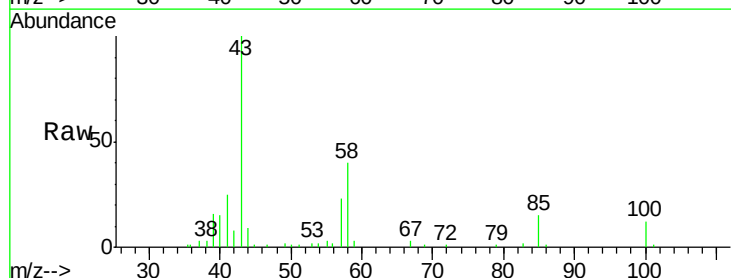
Manual Integrations
 APPROVED

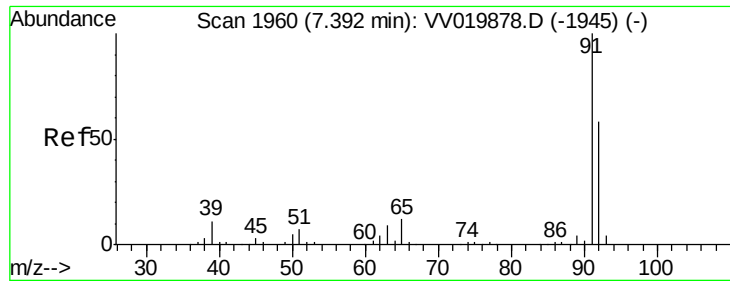
MMDadoda
 1/4/2021 11:41:51 AM



#40
 4-Methyl-2-pentanone
 Concen: 1.996 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion: 43 Resp: 22523
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.0 45.0
 100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.232 ug/L

RT: 7.40 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion: 91 Resp: 18786

Ion Ratio Lower Upper

91 100

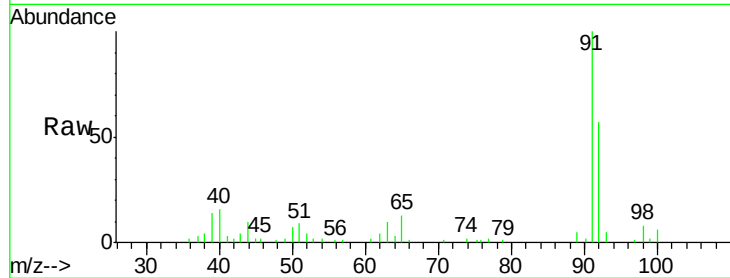
92 57.0 40.9 76.0

Manual Integrations

APPROVED

MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 91.15 (90.85 to 91.85): VV019878.D (-1945) (-)

Ion 92.15 (91.85 to 92.85): VV019882.D (-1949) (-)

7.40

10000

8000

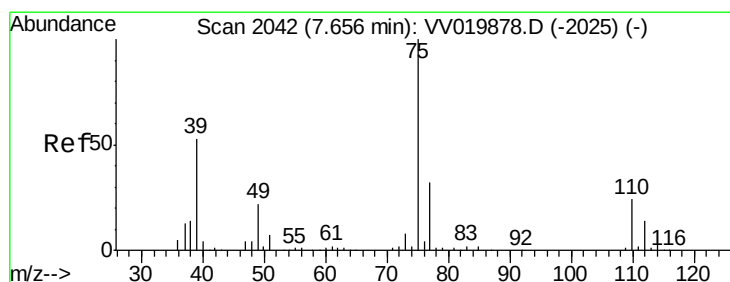
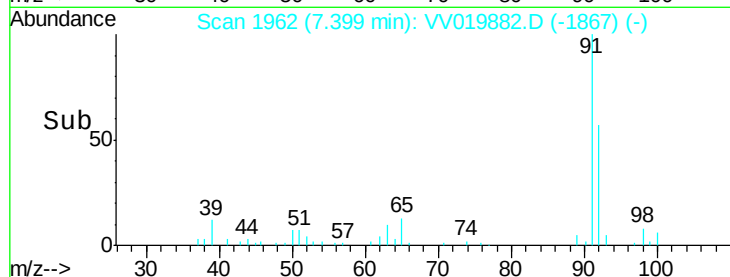
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.280 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. 0.01 min

Lab File: VV019882.D

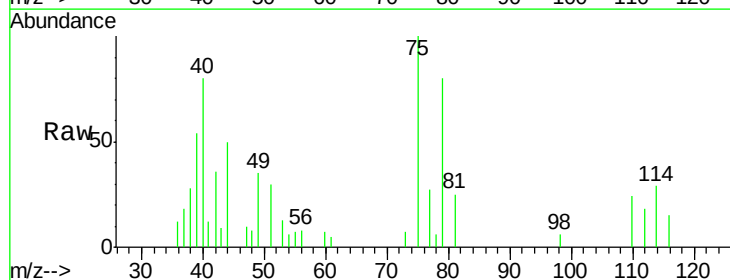
Acq: 31 Dec 2020 15:15

Tgt Ion: 75 Resp: 6283

Ion Ratio Lower Upper

75 100

77 27.5 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV019878.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV019882.D (-1949) (-)

7.66

2500

2000

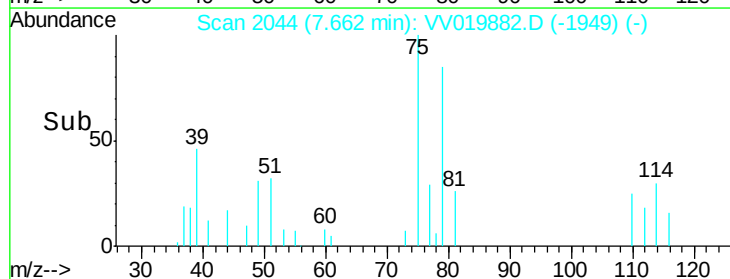
1500

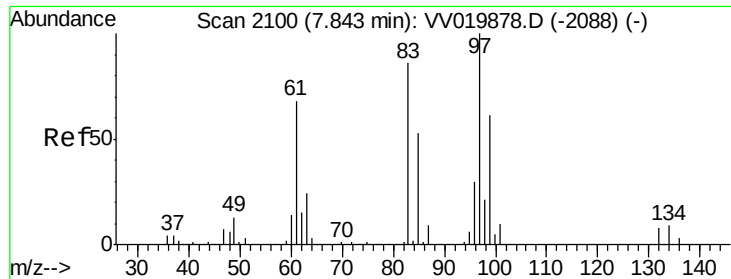
1000

500

0

Time-->





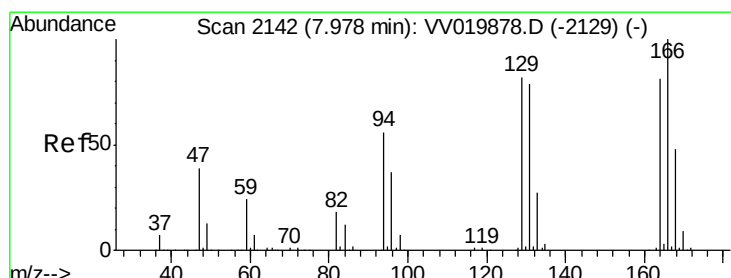
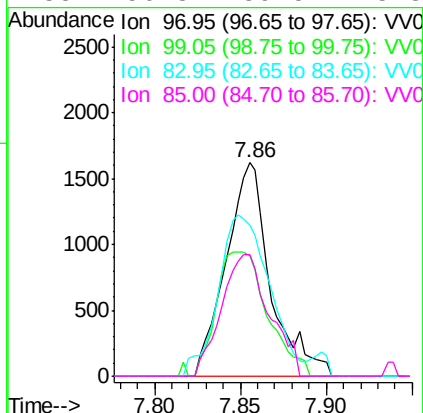
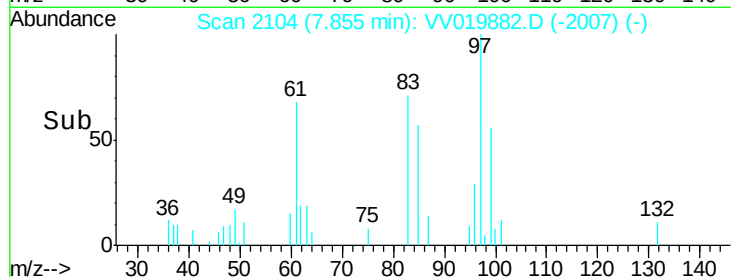
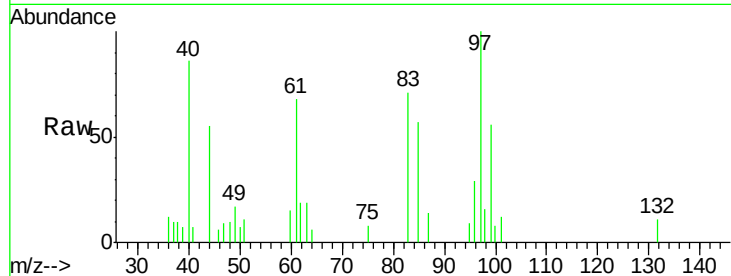
#45
1,1,2-Trichloroethane
Concen: 0.226 ug/L
RT: 7.86 min Scan# 2104
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:	97	Resp:	2918
Ion	Ratio	Lower	Upper
97	100		
99	56.3	42.4	78.8
83	71.0	59.4	110.4
85	56.8	39.5	73.3

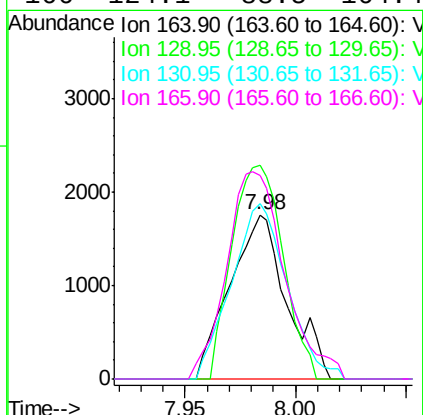
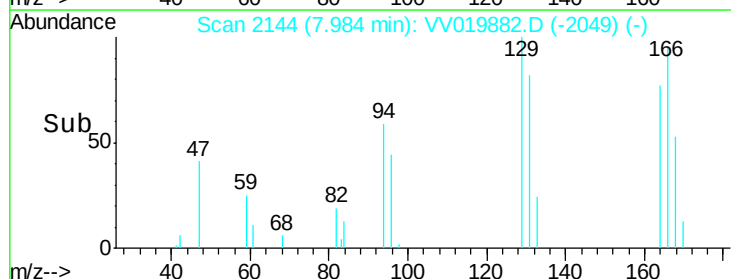
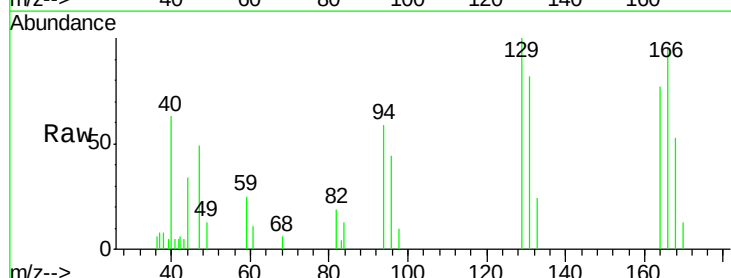
Manual Integrations
APPROVED

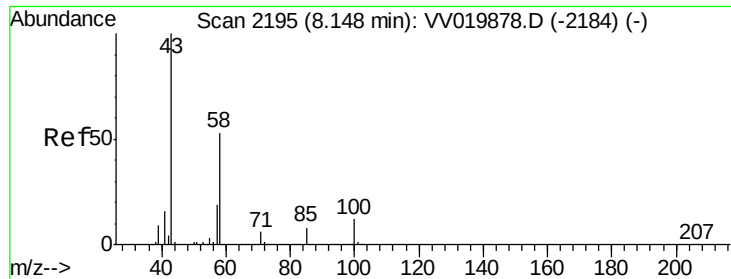
MMDadoda
1/4/2021 11:41:51 AM



#47
Tetrachloroethene
Concen: 0.218 ug/L
RT: 7.98 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion:	164	Resp:	3148
Ion	Ratio	Lower	Upper
164	100		
129	130.0	72.1	133.9
131	106.9	68.9	127.9
166	124.1	88.5	164.4





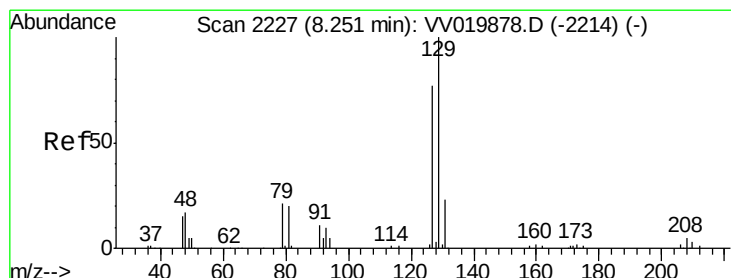
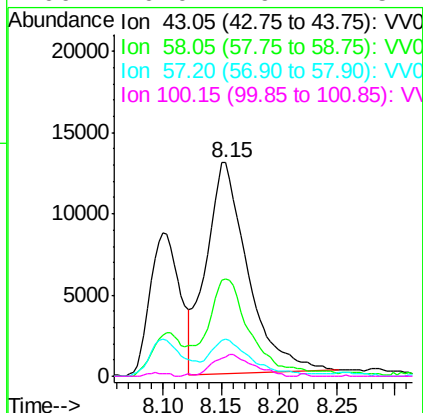
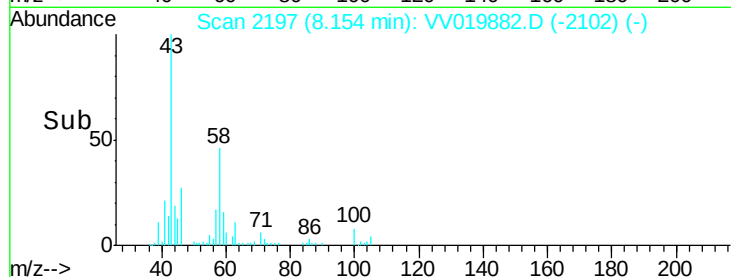
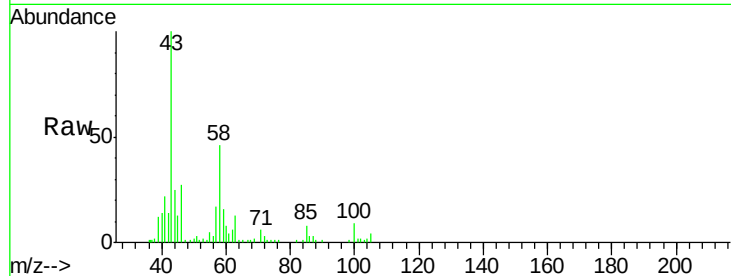
#48
2-Hexanone
Concen: 4.154 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion:	43	Resp:	32499
Ion	Ratio	Lower	Upper
43	100		
58	42.6	42.4	63.6
57	15.5	14.8	22.2
100	10.0	9.1	13.7

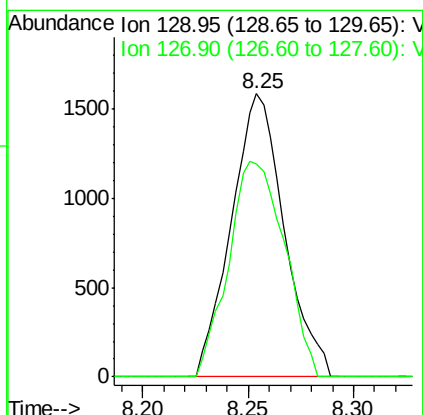
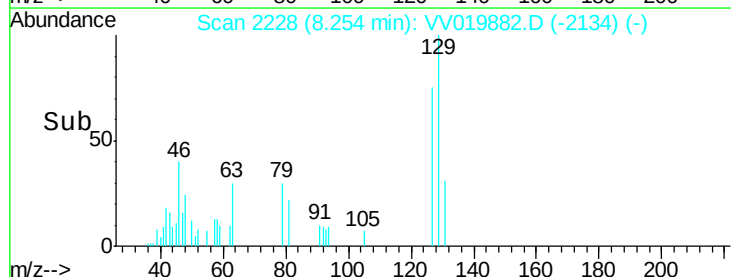
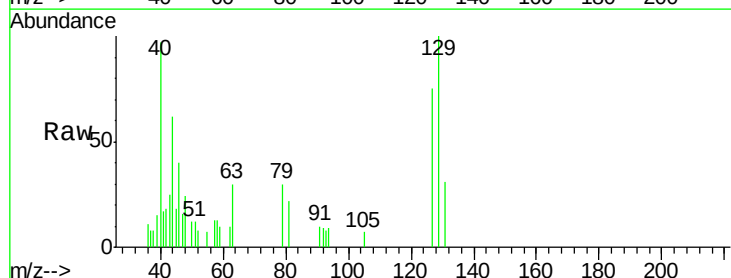
Manual Integrations
APPROVED

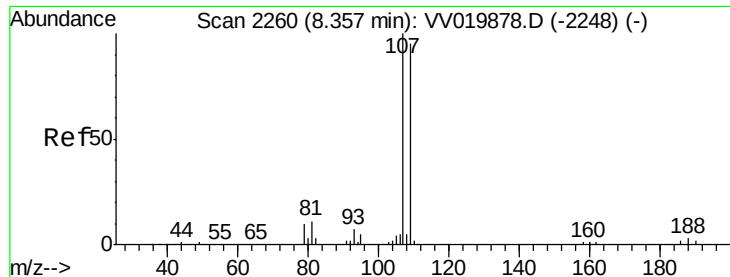
MMDadoda
1/4/2021 11:41:51 AM



#49
Dibromochloromethane
Concen: 0.198 ug/L
RT: 8.25 min Scan# 2228
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion:	129	Resp:	2763
Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.0	102.2





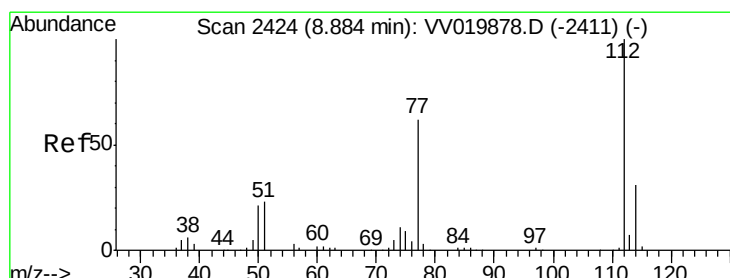
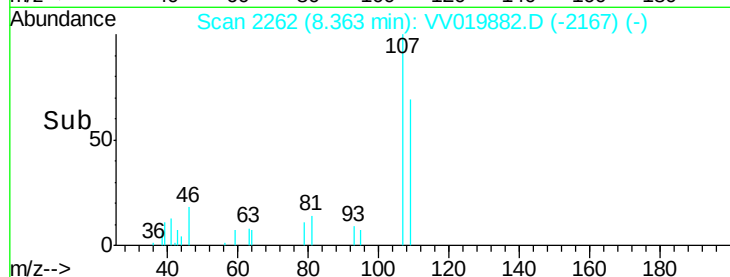
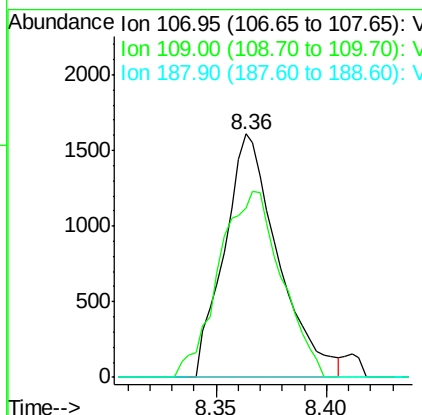
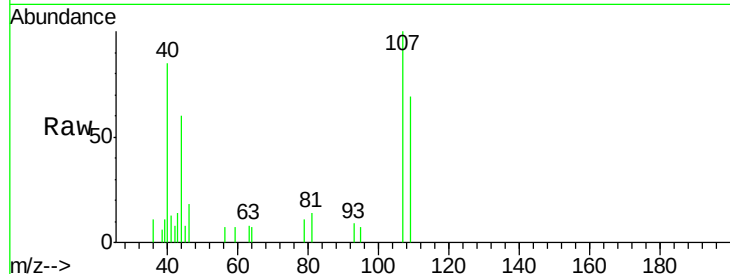
#50
 1,2-Dibromoethane
 Concen: 0.232 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
107	100		
109	69.5	63.8	118.4
188	0.0	2.5	3.7#

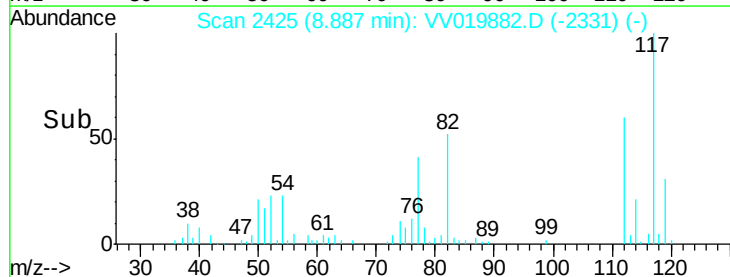
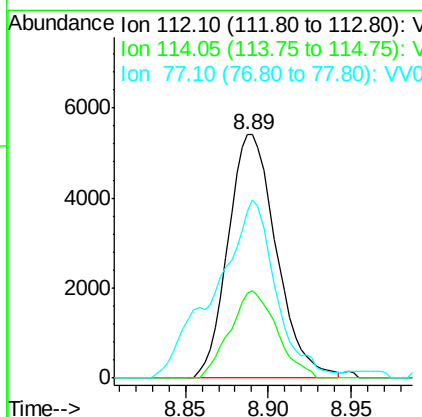
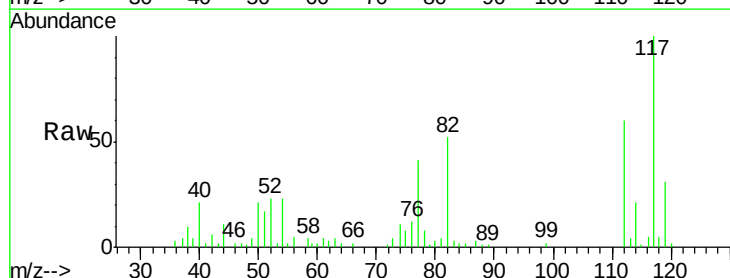
Manual Integrations
 APPROVED

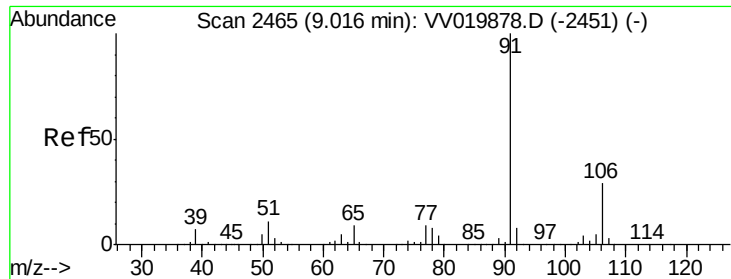
MMDadoda
 1/4/2021 11:41:51 AM



#51
 Chlorobenzene
 Concen: 0.214 ug/L
 RT: 8.89 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.0	21.8	40.6
77	68.6	51.0	76.4





#52

Ethylbenzene

Concen: 0.214 ug/L

RT: 9.02 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tot Ion: 91 Resp: 19195

Ion Ratio Lower Upper

91 100

106 31.6 20.9 38.7

Instrument :

MSVOA_V

ClientSampleId :

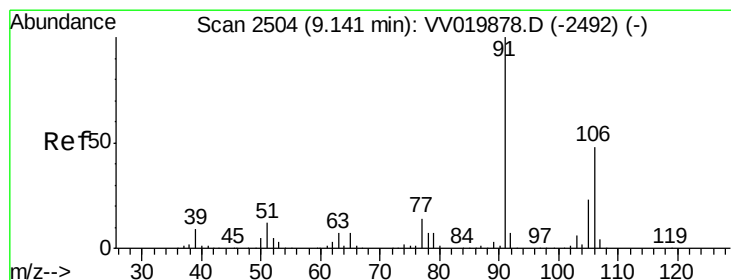
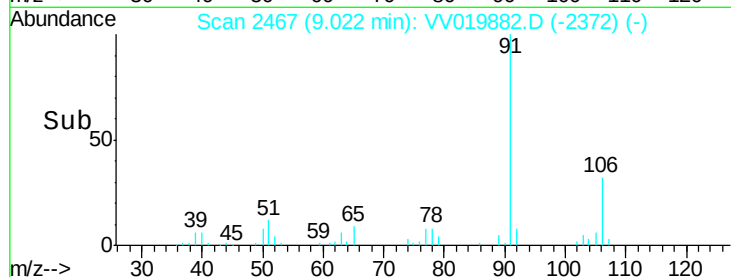
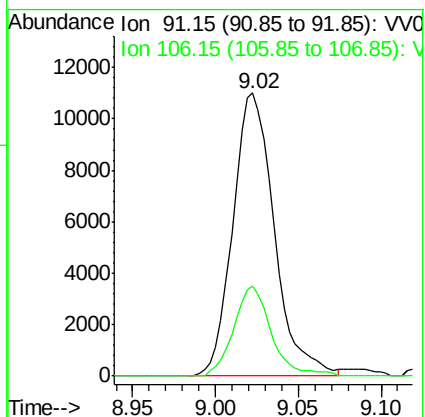
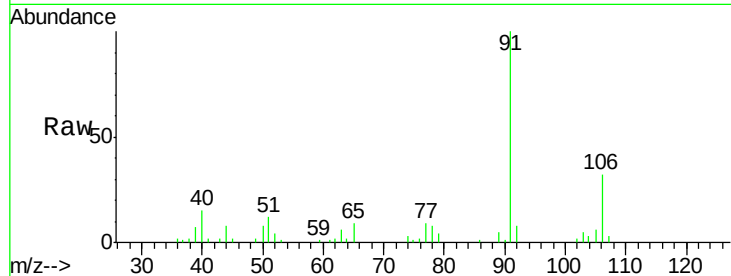
MDL-WATER-07

Manual Integrations

APPROVED

MMDadoda

1/4/2021 11:41:51 AM



#53

m,p-xylene

Concen: 0.208 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: VV019882.D

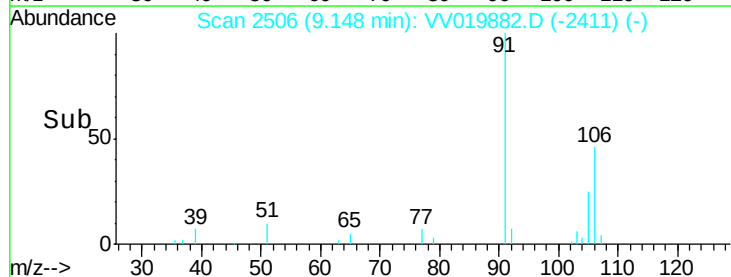
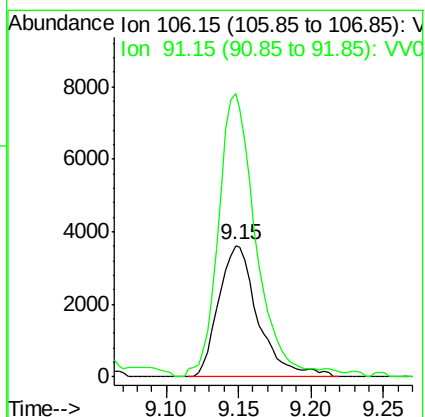
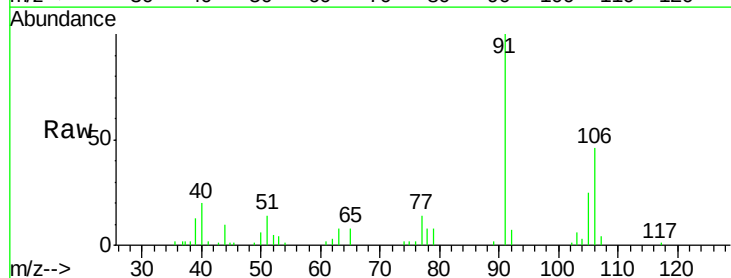
Acq: 31 Dec 2020 15:15

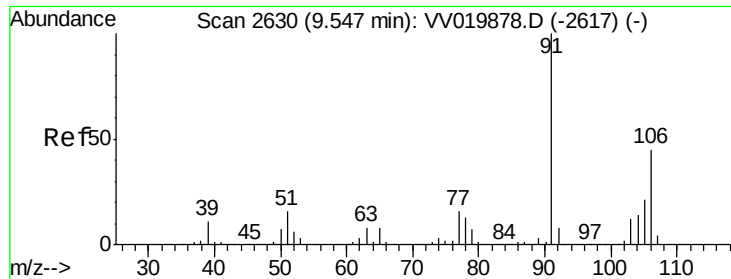
Tgt Ion: 106 Resp: 6804

Ion Ratio Lower Upper

106 100

91 215.3 147.1 273.1





#54

o-xylene

Concen: 0.212 ug/L

RT: 9.55 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-07

Tot Ion:106 Resp: 6674

Ion Ratio Lower Upper

106 100

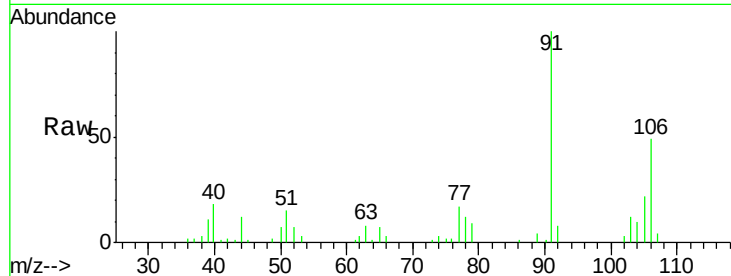
91 202.5 155.8 289.3

Manual Integrations

APPROVED

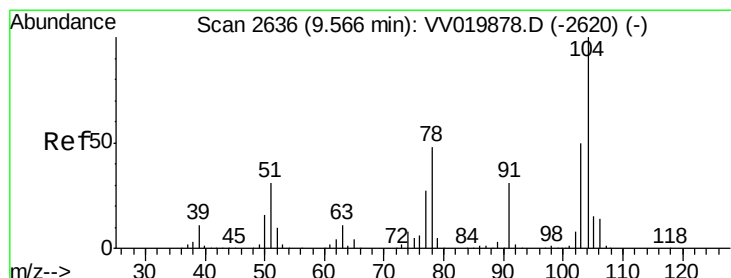
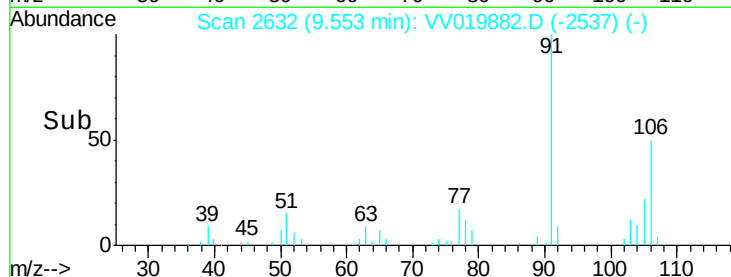
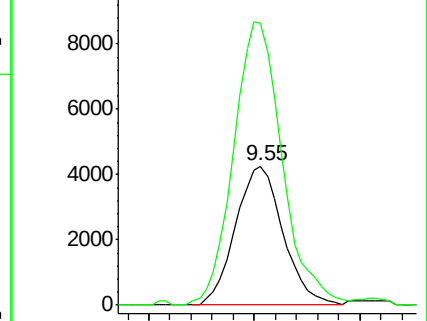
MMDadoda

1/4/2021 11:41:51 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.197 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019882.D

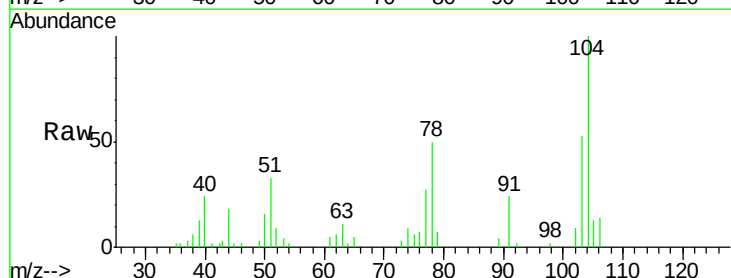
Acq: 31 Dec 2020 15:15

Tgt Ion:104 Resp: 10469

Ion Ratio Lower Upper

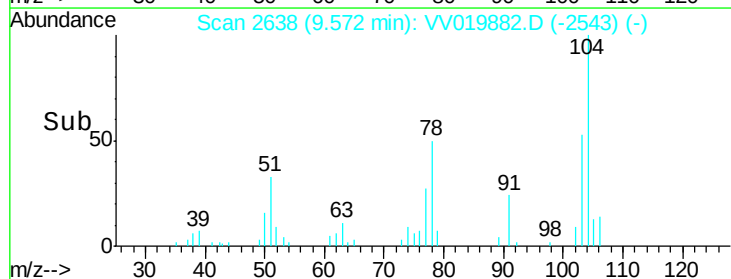
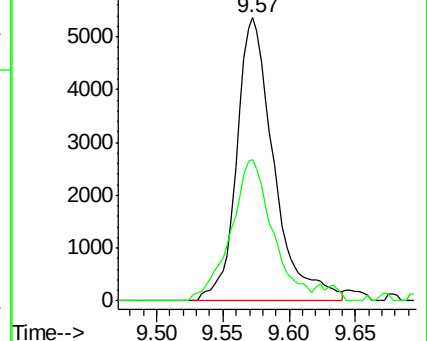
104 100

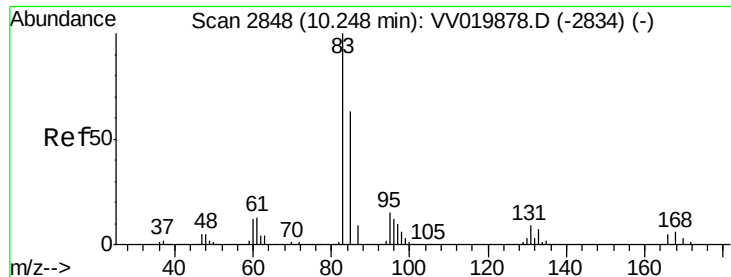
78 50.1 33.7 62.7



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: 0.224 ug/L

RT: 10.25 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

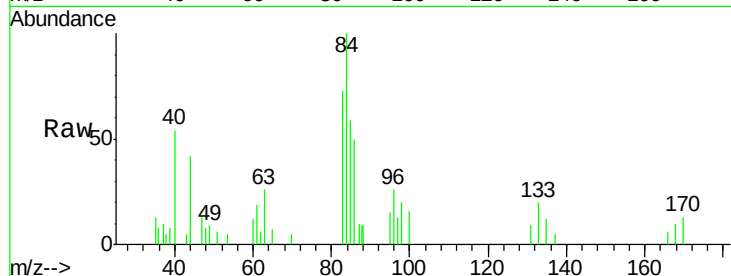
ClientSampleId :

MDL-WATER-07

Tot Ion:	83	Resp:	3070
Ion Ratio	Lower	Upper	
83	100		
85	80.0	44.3	82.3
131	13.0	7.4	11.2#

Manual Integrations
APPROVED

MMDadoda
1/4/2021 11:41:51 AM

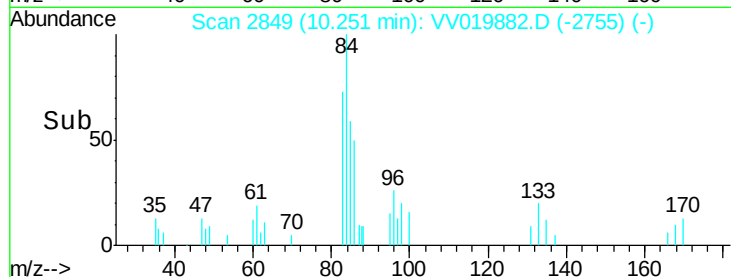


Abundance Ion 82.95 (82.65 to 83.65): VV019878.D (-2834) (-)

Ion 85.00 (84.70 to 85.70): VV019878.D (-2834) (-)

Ion 130.95 (130.65 to 131.65): VV019878.D (-2834) (-)

Time-->

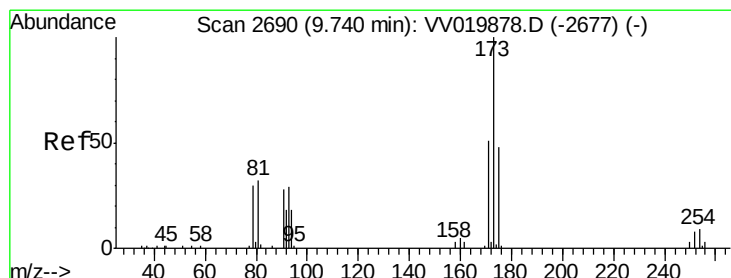


Abundance Ion 82.95 (82.65 to 83.65): VV019882.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV019882.D (-2755) (-)

Ion 130.95 (130.65 to 131.65): VV019882.D (-2755) (-)

Time-->



#59

Bromoform

Concen: 0.200 ug/L

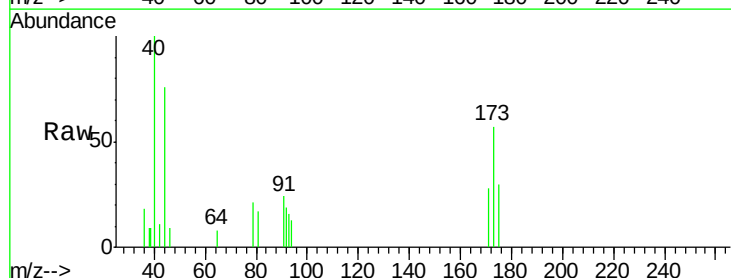
RT: 9.74 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tgt Ion:	173	Resp:	1198
Ion Ratio	Lower	Upper	
173	100		
175	43.4	38.3	57.5
254	0.0	6.4	9.6#

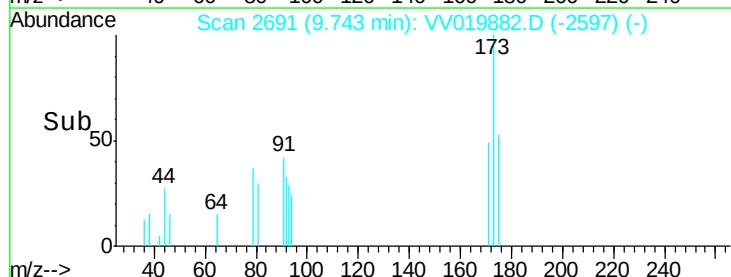


Abundance Ion 172.90 (172.60 to 173.60): VV019878.D (-2677) (-)

Ion 174.90 (174.60 to 175.60): VV019878.D (-2677) (-)

Ion 253.75 (253.45 to 254.45): VV019878.D (-2677) (-)

Time-->

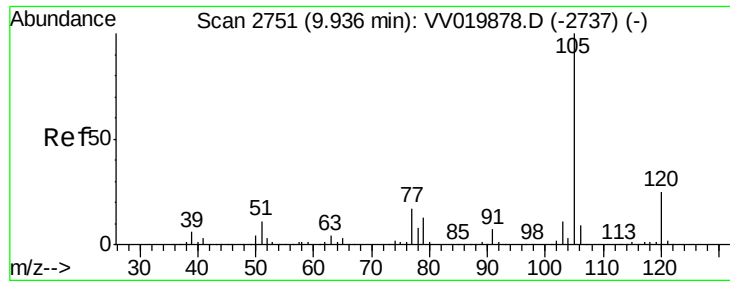


Abundance Ion 172.90 (172.60 to 173.60): VV019882.D (-2597) (-)

Ion 174.90 (174.60 to 175.60): VV019882.D (-2597) (-)

Ion 253.75 (253.45 to 254.45): VV019882.D (-2597) (-)

Time-->



#60

Isopropylbenzene

Concen: 0.221 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Instrument :

MSVOA_V

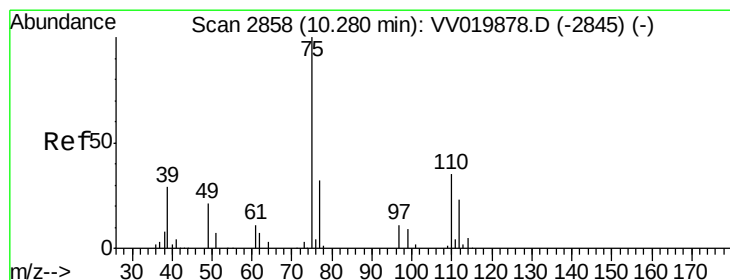
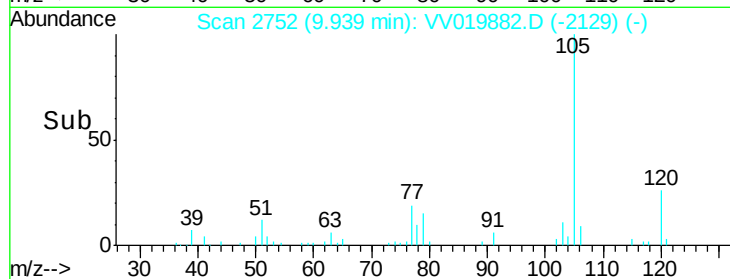
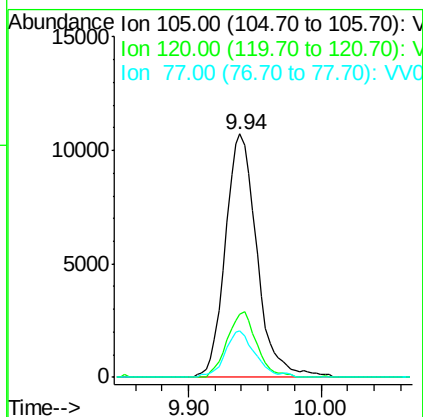
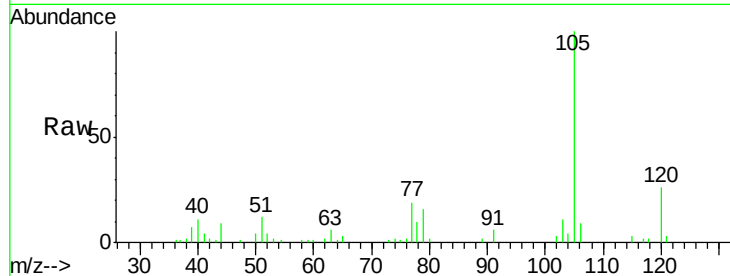
ClientSampleId :

MDL-WATER-07

Tot Ion:	105	Resp:	17767
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.4	30.6
77	17.6	13.7	20.5

Manual Integrations
APPROVED

MMDadoda
1/4/2021 11:41:51 AM



#61

1,2,3-Trichloropropane

Concen: 0.275 ug/L

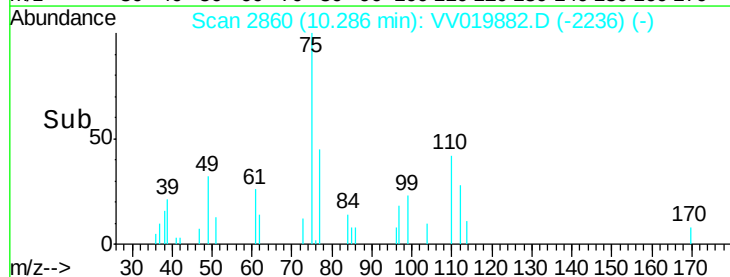
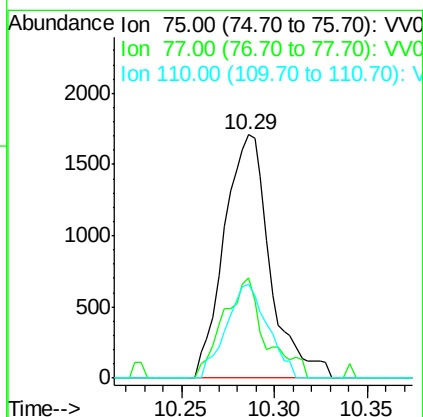
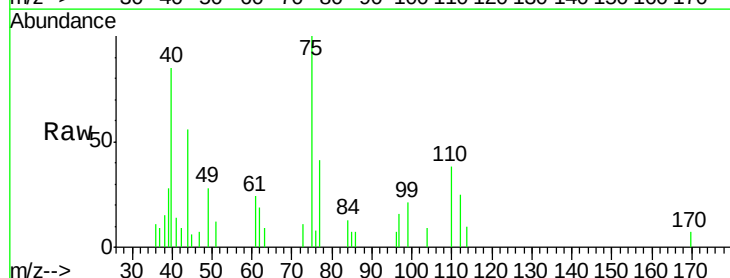
RT: 10.29 min Scan# 2860

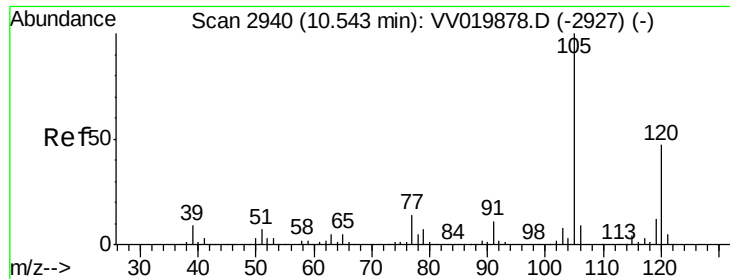
Delta R.T. 0.01 min

Lab File: VV019882.D

Acq: 31 Dec 2020 15:15

Tgt Ion:	75	Resp:	2941
Ion Ratio	Lower	Upper	
75	100		
77	37.8	25.6	38.4
110	34.9	30.5	45.7





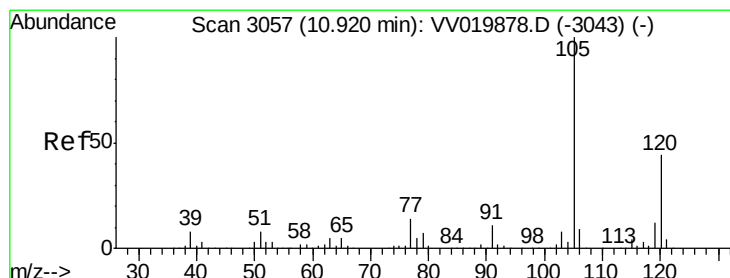
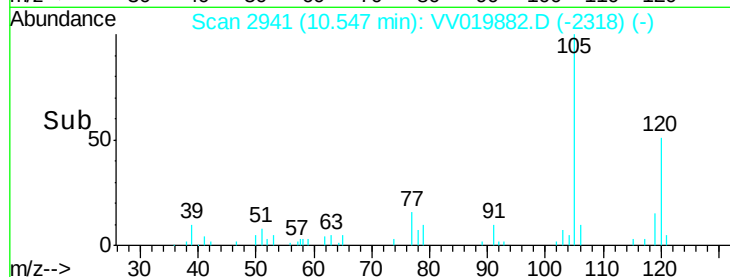
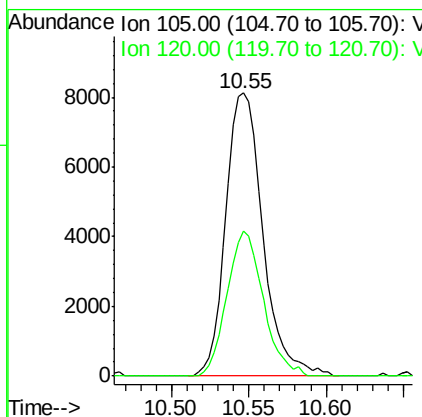
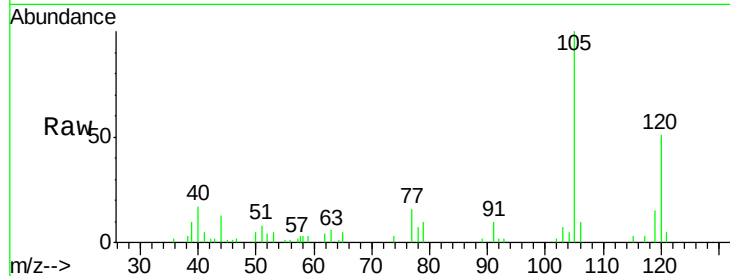
#62
 1,3,5-Trimethylbenzene
 Concen: 0.203 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion:105 Resp: 13523
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.8 56.6

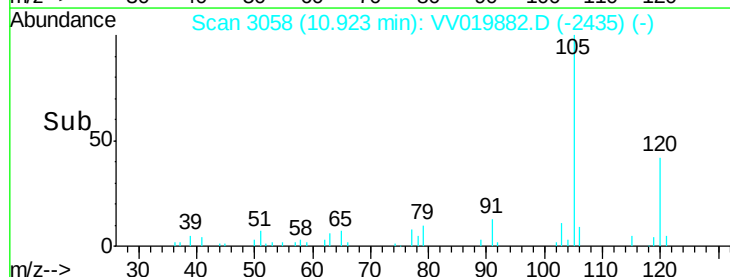
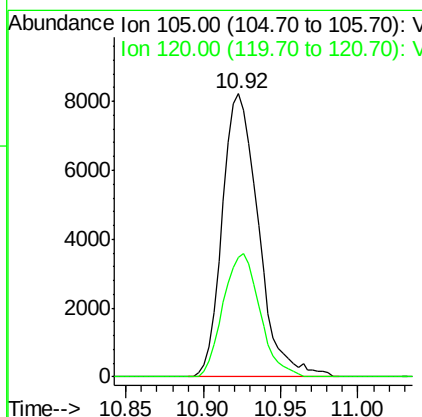
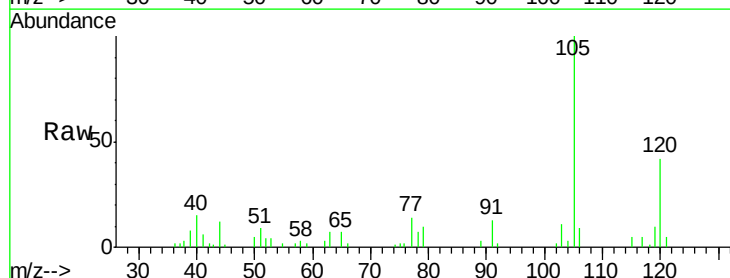
Manual Integrations
 APPROVED

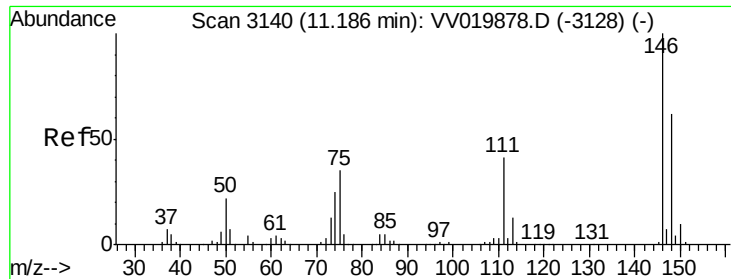
MMDadoda
 1/4/2021 11:41:51 AM



#63
 1,2,4-Trimethylbenzene
 Concen: 0.197 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion:105 Resp: 13337
 Ion Ratio Lower Upper
 105 100
 120 44.1 34.9 52.3





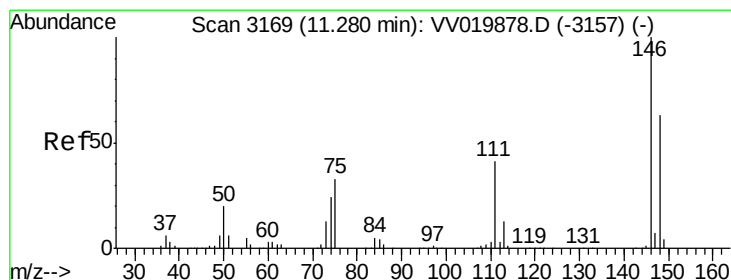
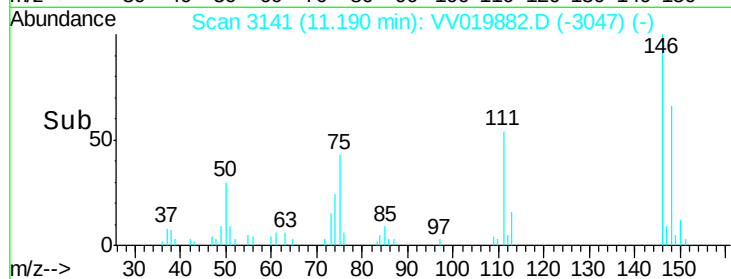
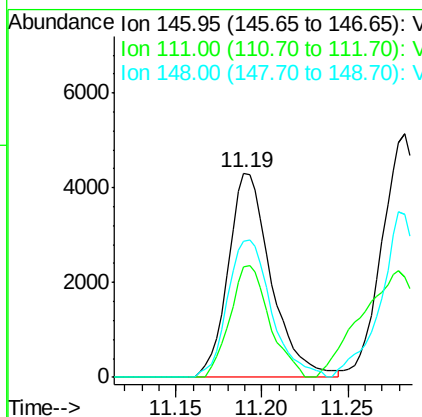
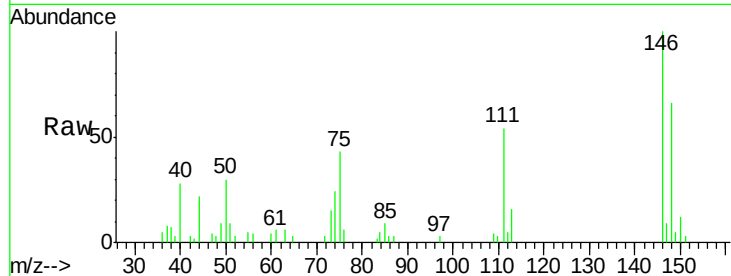
#64
 1,3-Dichlorobenzene
 Concen: 0.212 ug/L
 RT: 11.19 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.8	30.4	56.5
148	66.4	45.8	85.2

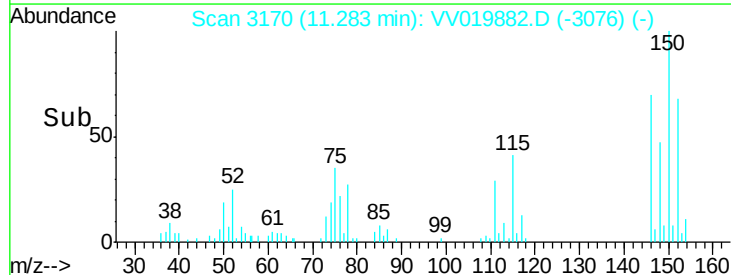
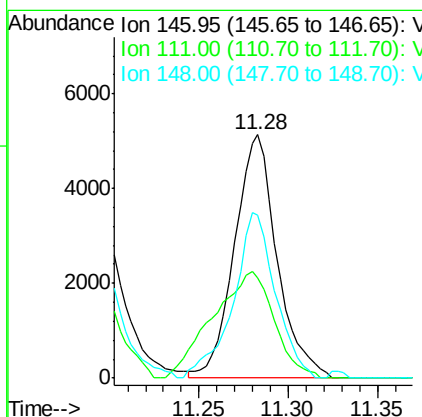
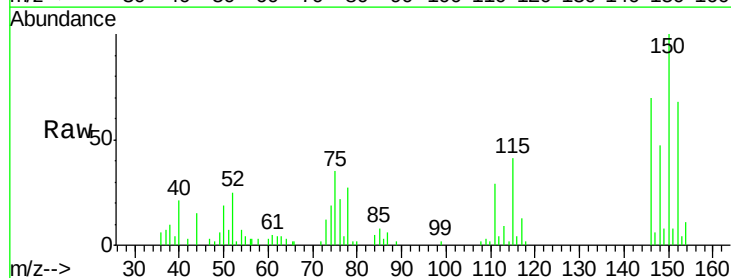
Manual Integrations
 APPROVED

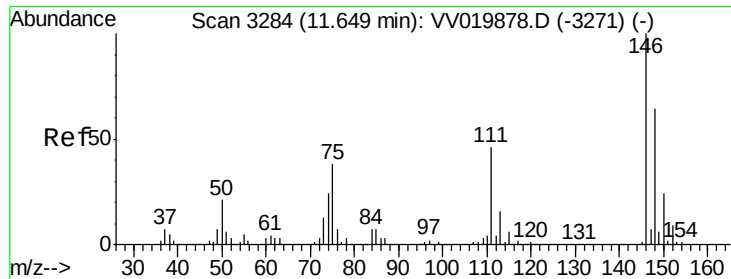
MMDadoda
 1/4/2021 11:41:51 AM



#65
 1,4-Dichlorobenzene
 Concen: 0.242 ug/L
 RT: 11.28 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.7	55.1
148	67.0	45.1	83.7





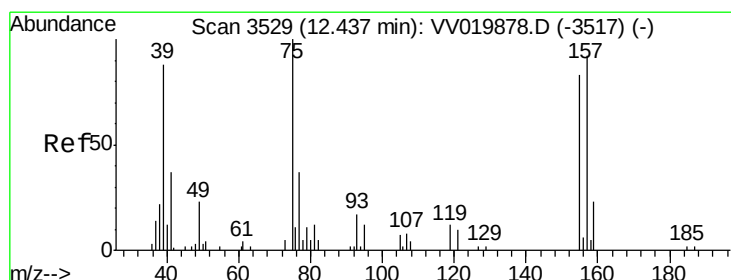
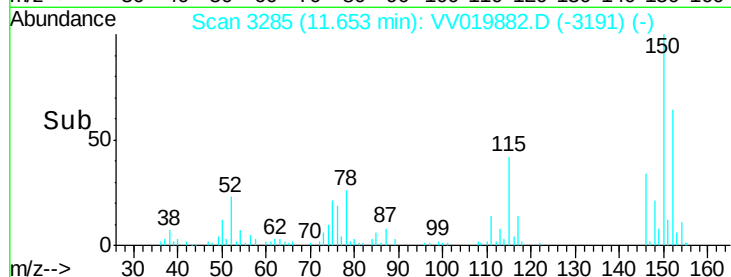
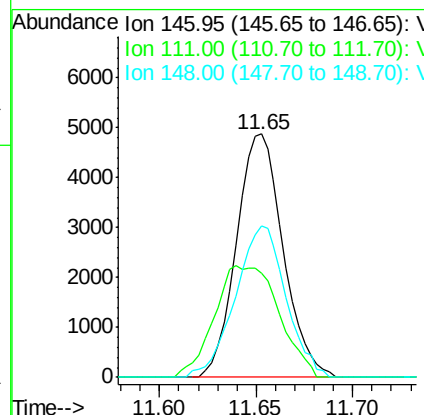
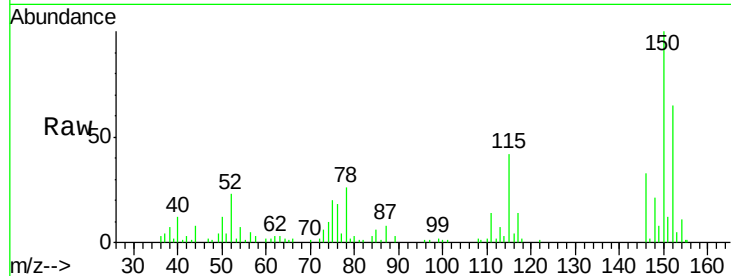
#67
 1,2-Dichlorobenzene
 Concen: 0.252 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	37.7	56.5
148	62.4	50.6	75.8

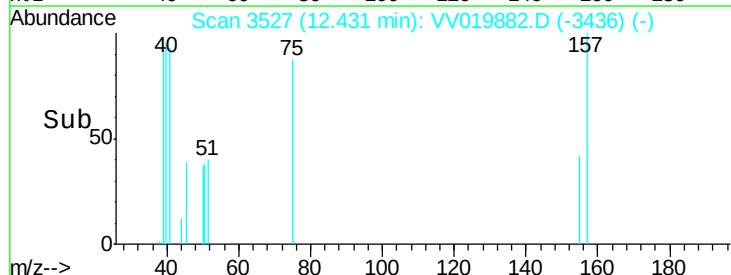
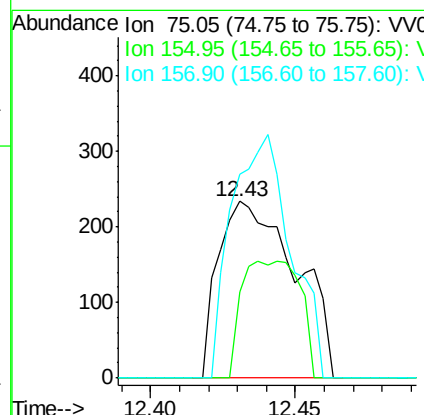
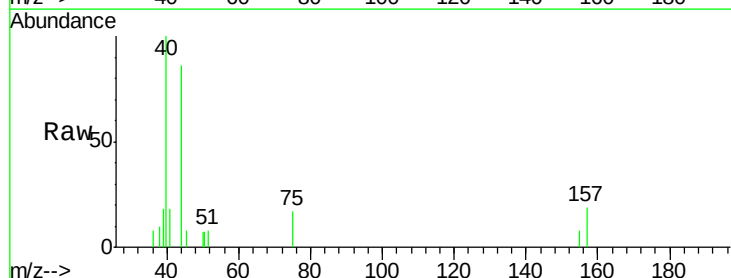
Manual Integrations
 APPROVED

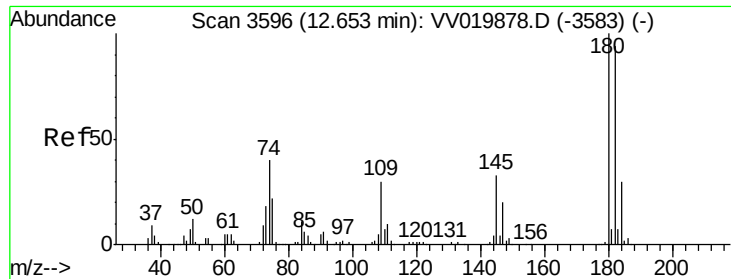
MMDadoda
 1/4/2021 11:41:51 AM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.197 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.01 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	48.7	56.5	84.7#
157	115.4	74.2	111.2#





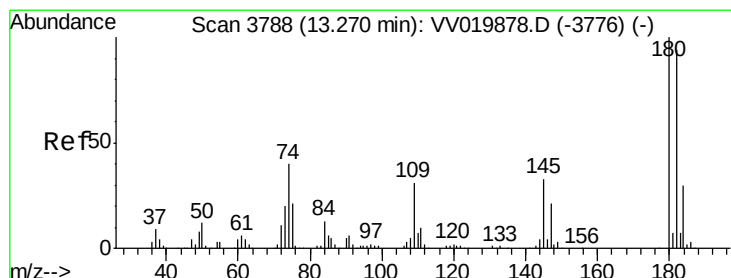
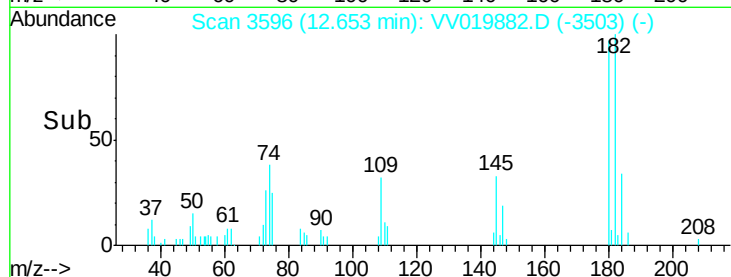
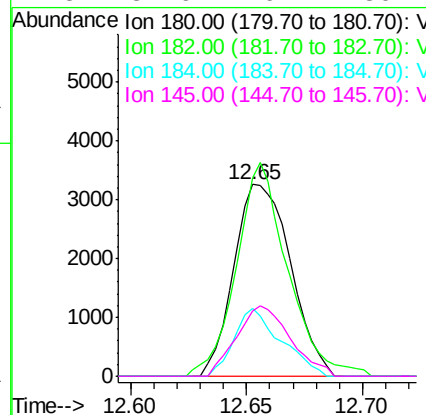
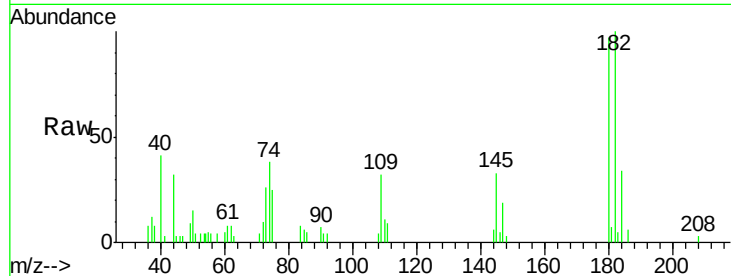
#69
 1,3,5-Trichlorobenzene
 Concen: 0.211 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5533		
182	100.4		75.9	113.9
184	29.3		23.5	35.3
145	34.9		26.2	39.2

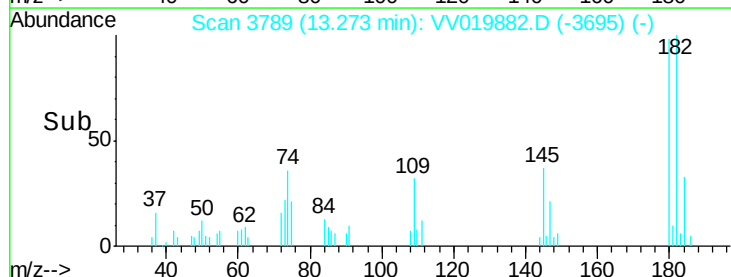
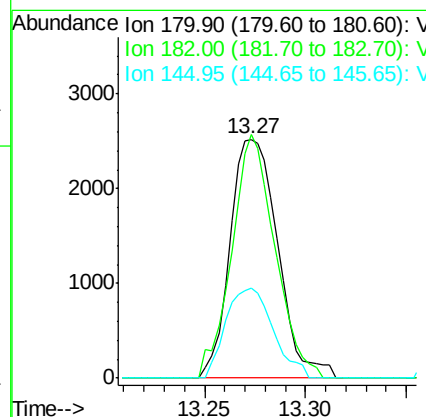
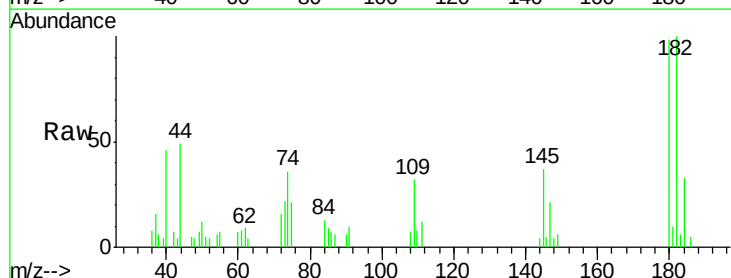
Manual Integrations
 APPROVED

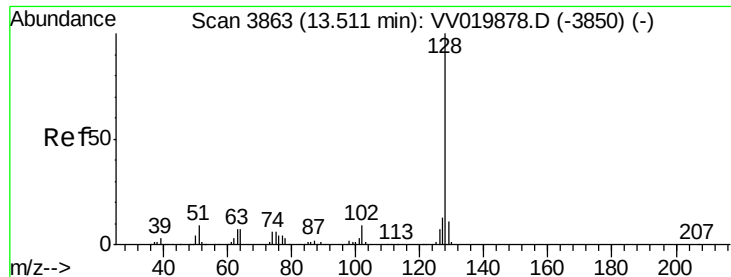
MMDadoda
 1/4/2021 11:41:51 AM



#70
 1,2,4-trichlorobenzene
 Concen: 0.196 ug/L
 RT: 13.27 min Scan# 3789
 Delta R.T. 0.00 min
 Lab File: VV019882.D
 Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4168		
182	92.4		75.9	113.9
145	37.2		26.6	39.8





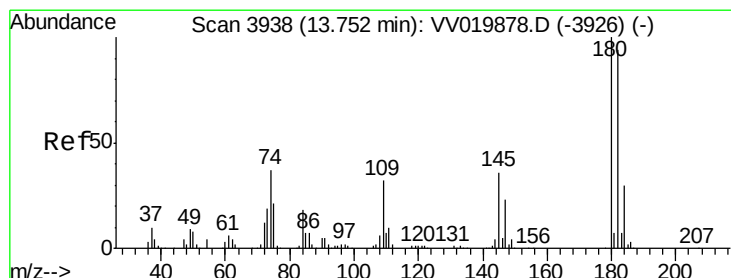
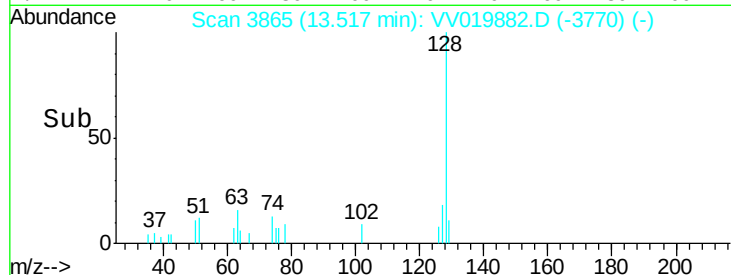
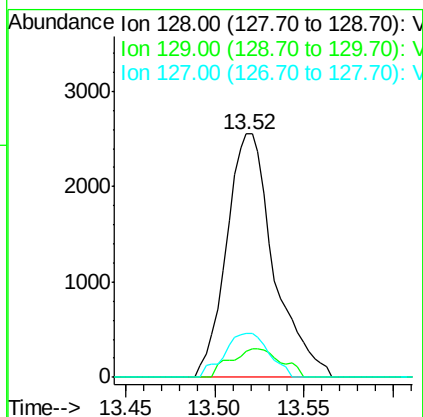
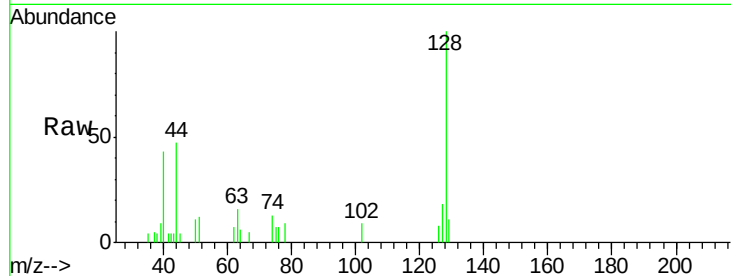
#71
Naphthalene
Concen: 0.146 ug/L
RT: 13.52 min Scan# 3865
Delta R.T. 0.01 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.5	12.7
127	17.2	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
1/4/2021 11:41:51 AM



#72
1,2,3-Trichlorobenzene
Concen: 0.194 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VV019882.D
Acq: 31 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	74.6	112.0
145	30.0	28.8	43.2

