

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019138.D
 Acq On : 28 Oct 2020 16:46
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:20 PM

Quant Time: Oct 29 03:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238399	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230916	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120530	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79579	36.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.48%
7) Chloroethane-d5	1.58	69	66837	38.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.68%
11) 1,1-Dichloroethene-d2	2.12	63	132097	32.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.14%
21) 2-Butanone-d5	3.90	46	112117	76.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.97%
24) Chloroform-d	4.37	84	163795	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
26) 1,2-Dichloroethane-d4	5.05	65	118960	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.07	84	310248	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
36) 1,2-Dichloropropane-d6	6.09	67	94539	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.64%
41) Toluene-d8	7.33	98	289817	45.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.76%
43) trans-1,3-Dichloropropene-	7.64	79	51959	44.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.64%
47) 2-Hexanone-d5	8.10	63	81002	81.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	121888	40.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	124677	49.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4790	2.580 ug/L	97
3) Chloromethane	1.25	50	4782	2.071 ug/L	98
5) Vinyl chloride	1.32	62	5271	2.317 ug/L #	55
6) Bromomethane	1.53	94	3304	2.538 ug/L	99
8) Chloroethane	1.60	64	3594	2.519 ug/L	98
9) Trichlorofluoromethane	1.76	101	8305	2.775 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4932	3.099 ug/L	90
12) 1,1-Dichloroethene	2.13	96	4892	3.072 ug/L #	1
13) Acetone	2.19	43	4912	4.976 ug/L	96
14) Carbon disulfide	2.31	76	11633	2.216 ug/L	100
15) Methyl Acetate	2.45	43	4484	2.161 ug/L	98
16) Methylene chloride	2.52	84	4675	2.519 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	4120	2.449 ug/L	89
18) Methyl tert-butyl Ether	2.78	73	13304	2.438 ug/L	97
19) 1,1-Dichloroethane	3.21	63	8154	2.400 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4614	2.564 ug/L	93
22) 2-Butanone	4.02	43	5827m	4.306 ug/L	

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

23) Bromochloromethane	4.28	128	2385	2.604	ug/L #	83
25) Chloroform	4.40	83	9559	2.856	ug/L	95
27) 1,2-Dichloroethane	5.16	62	7225	2.601	ug/L	100
29) Cyclohexane	4.70	56	5909	2.138	ug/L #	67
30) 1,1,1-Trichloroethane	4.63	97	7900	2.748	ug/L	96
31) Carbon tetrachloride	4.85	117	7037	2.808	ug/L	97
33) Benzene	5.12	78	17112	2.421	ug/L	100
34) Trichloroethene	5.94	95	4611	2.581	ug/L	96
35) Methylcyclohexane	6.15	83	5949	2.434	ug/L	94
37) 1,2-Dichloropropane	6.20	63	4188	2.152	ug/L #	87
38) Bromodichloromethane	6.54	83	6037	2.452	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	6423m	2.233	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	10704	4.077	ug/L	97
42) Toluene	7.41	91	18317	2.524	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	6799	2.383	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	4222	2.456	ug/L	95
46) Tetrachloroethene	8.00	164	3861	2.817	ug/L	97
48) 2-Hexanone	8.16	43	9260	4.571	ug/L #	92
49) Dibromochloromethane	8.27	129	5218	2.777	ug/L	95
50) 1,2-Dibromoethane	8.38	107	4542	2.546	ug/L #	96
51) Chlorobenzene	8.90	112	12199	2.621	ug/L	93
52) Ethylbenzene	9.03	91	18655	2.378	ug/L	100
53) m,p-Xylene	9.16	106	6919	2.409	ug/L	95
54) o-xylene	9.56	106	6275	2.269	ug/L	91
55) Styrene	9.59	104	11021	2.247	ug/L	98
56) Isopropylbenzene	9.95	105	17339	2.384	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6488	2.294	ug/L #	96
59) 1,2,3-Trichloropropane	10.29	75	5532	2.431	ug/L	98
61) Bromoform	9.75	173	3554	2.618	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	9528	2.634	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	10914	2.888	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	10412	2.855	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	1381	2.143	ug/L	83
67) 1,3,5-Trichlorobenzene	12.67	180	8229	3.332	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	7188	3.086	ug/L	93
69) Naphthalene	13.53	128	13655	1.903	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	5875	2.490	ug/L	96

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

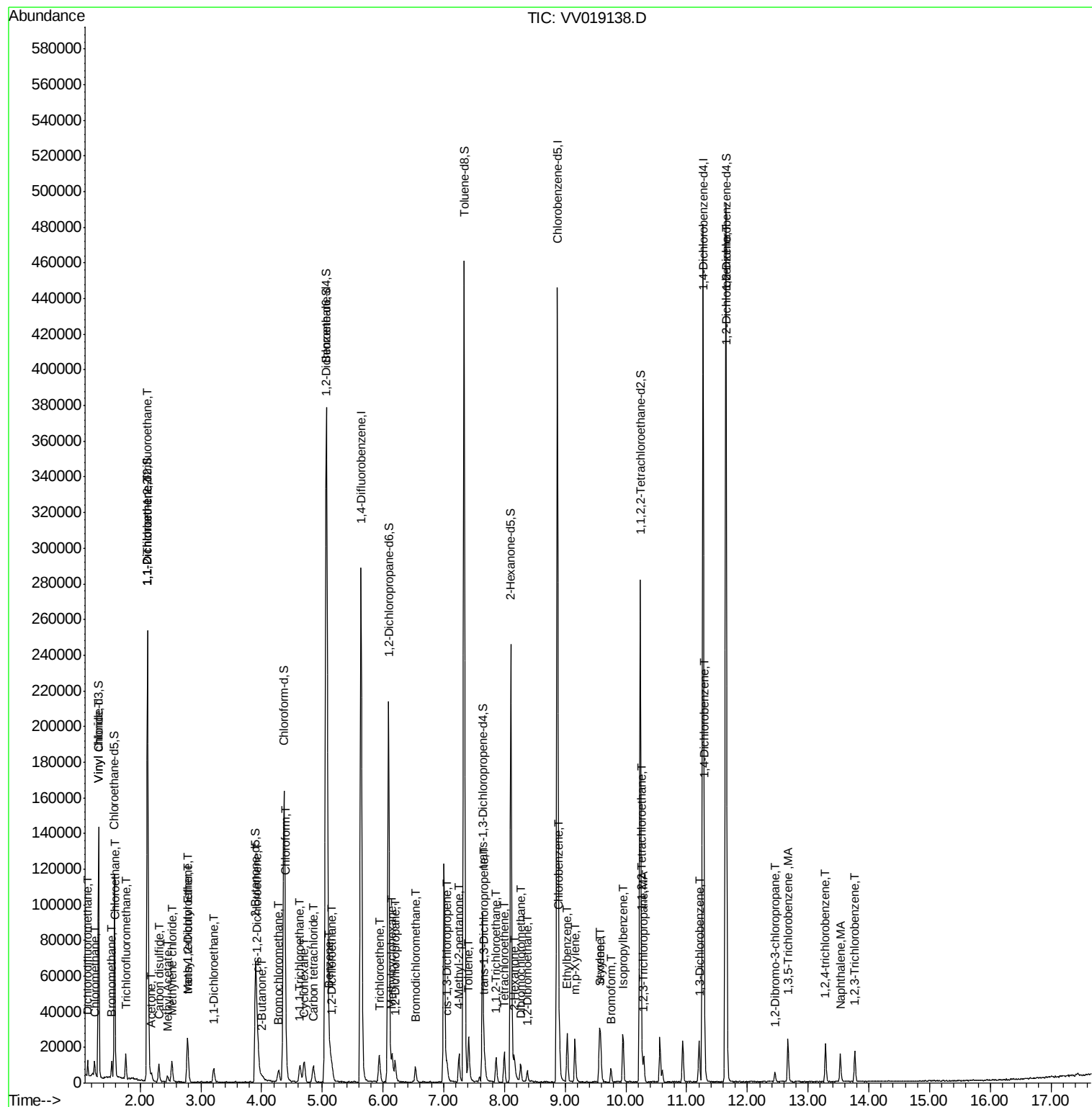
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV102820\
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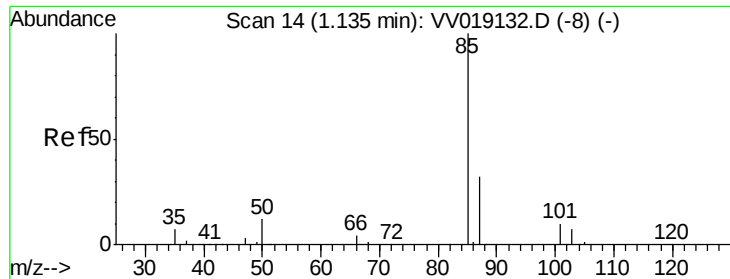
Instrument :
MSVOA_V
ClientSampled :
MDL03

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.580 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tot Ion: 85 Resp: 4790

Ion Ratio Lower Upper

85 100

87 30.5 25.5 38.3

Instrument :

MSVOA_V

ClientSampleId :

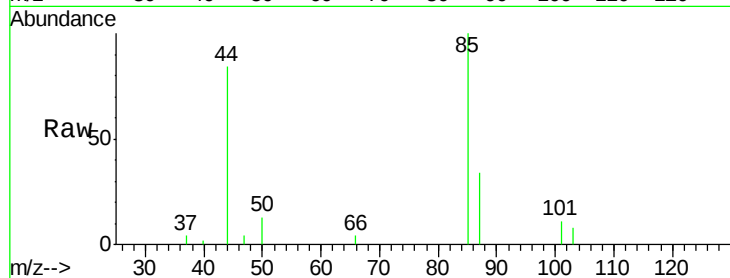
MDL03

Manual Integrations

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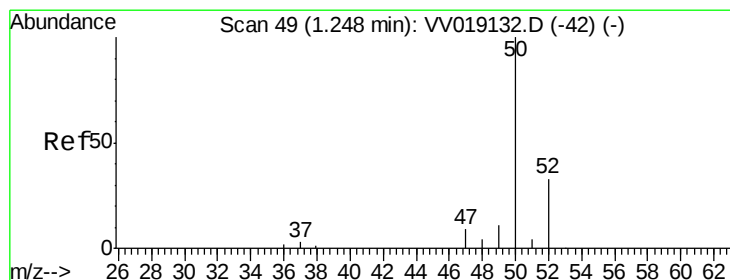
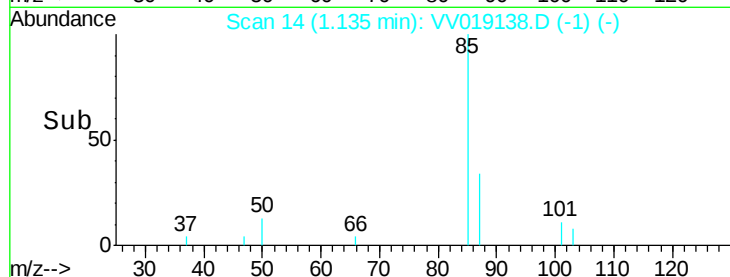
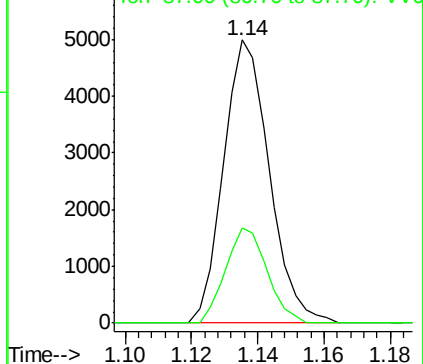
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.071 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019138.D

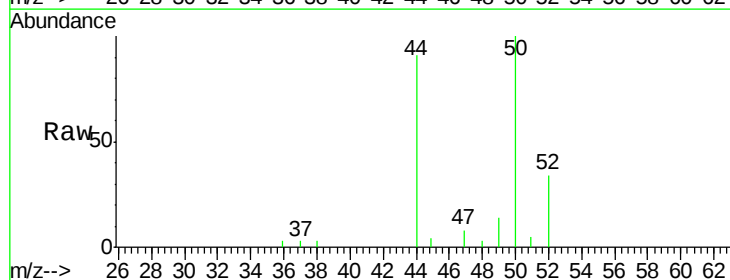
Acq: 28 Oct 2020 16:46

Tgt Ion: 50 Resp: 4782

Ion Ratio Lower Upper

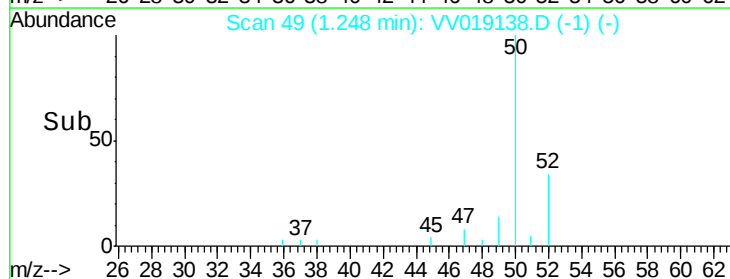
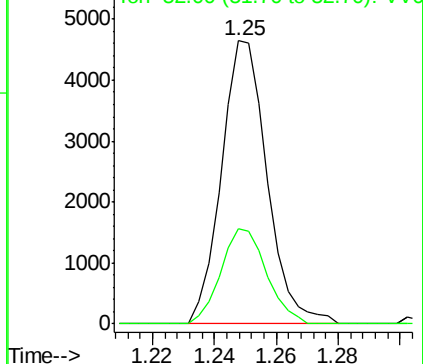
50 100

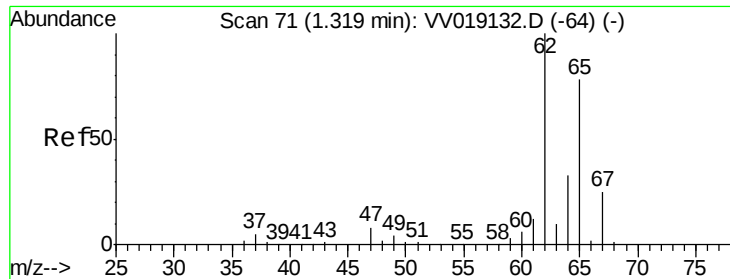
52 33.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.317 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 62 Resp: 5271

Ion Ratio Lower Upper

62 100

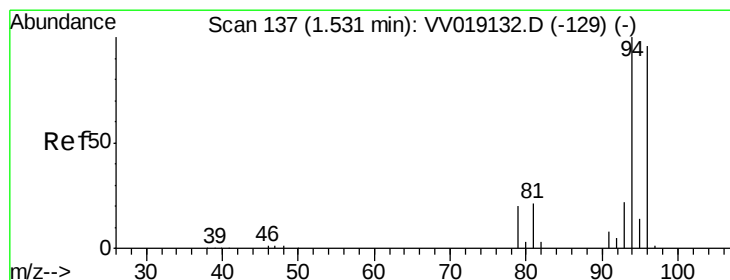
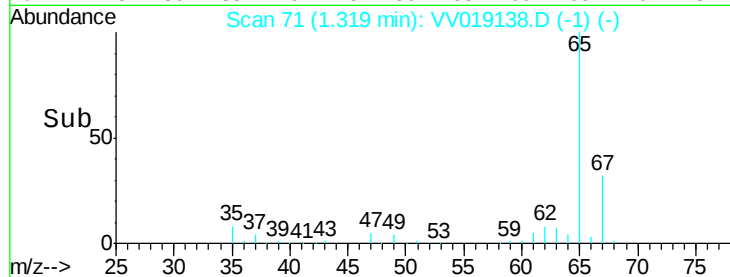
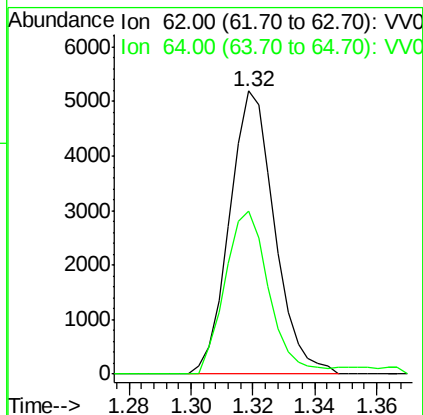
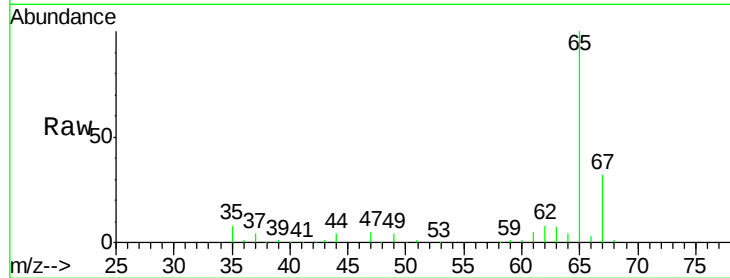
64 57.8 22.9 42.5#

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#6

Bromomethane

Concen: 2.538 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019138.D

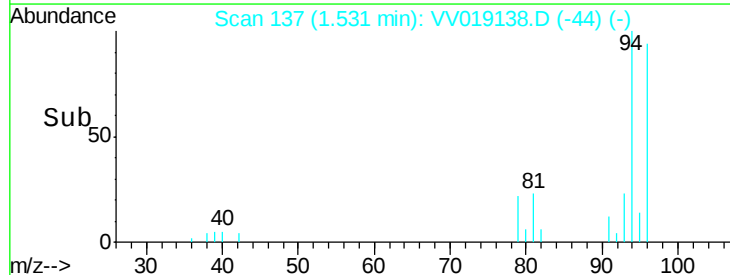
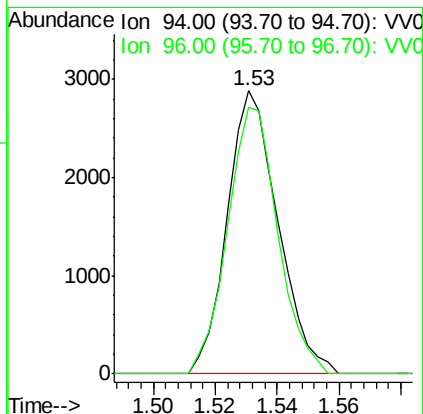
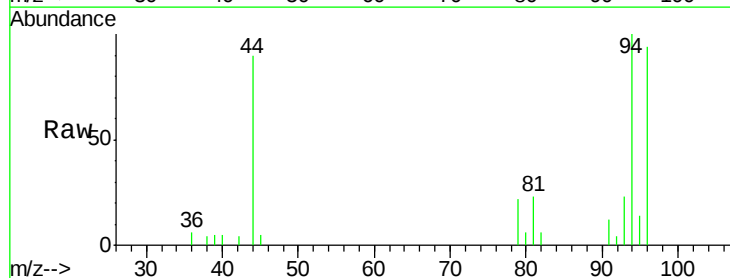
Acq: 28 Oct 2020 16:46

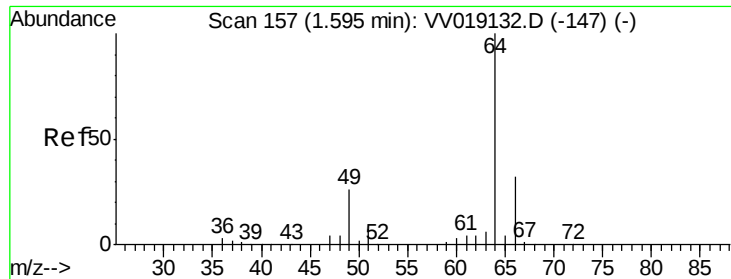
Tgt Ion: 94 Resp: 3304

Ion Ratio Lower Upper

94 100

96 94.1 65.3 121.3





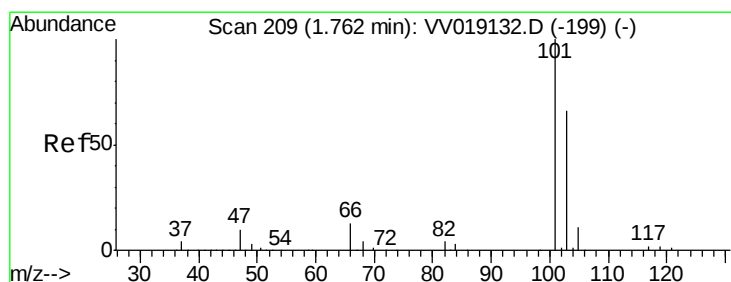
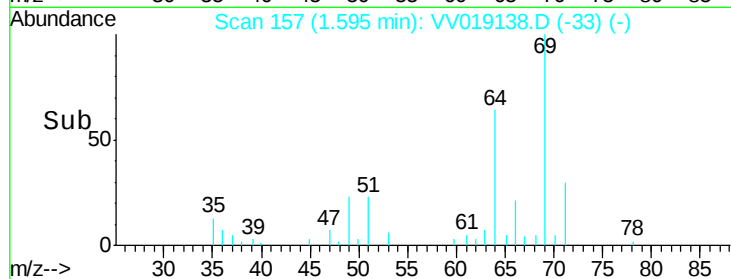
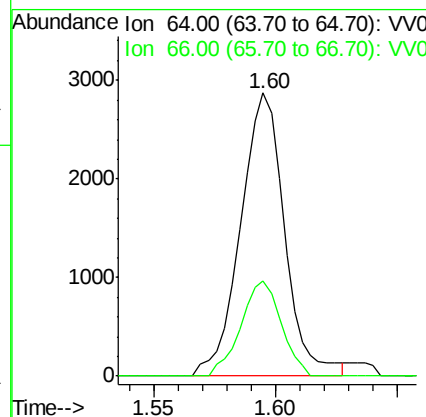
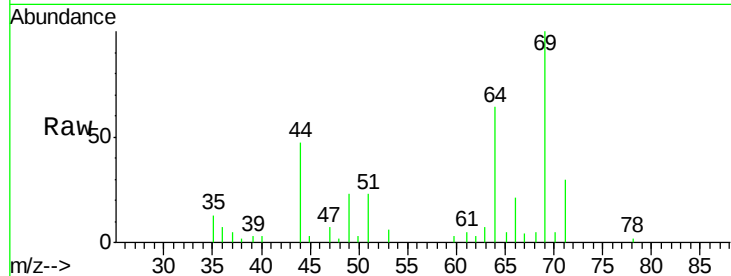
#8
Chloroethane
Concen: 2.519 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 64 Resp: 3594
Ion Ratio Lower Upper
64 100
66 33.5 22.5 41.9

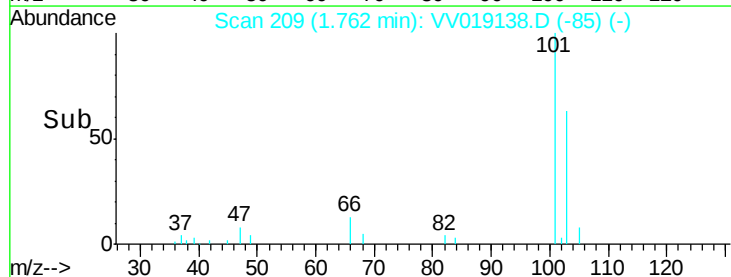
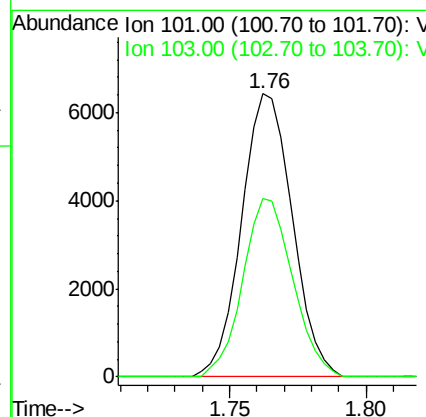
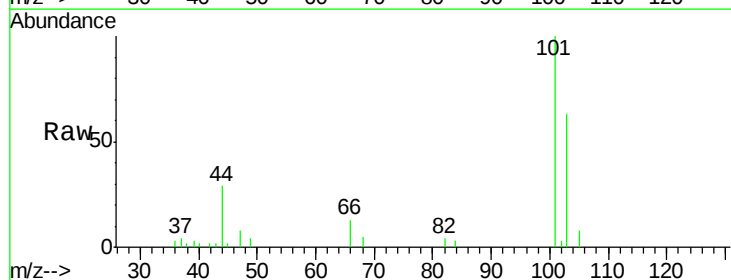
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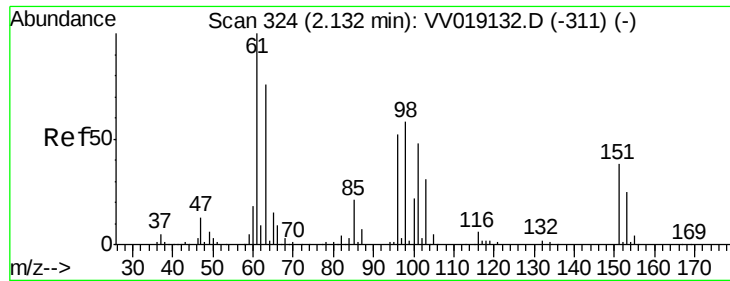
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#9
Trichlorofluoromethane
Concen: 2.775 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 101 Resp: 8305
Ion Ratio Lower Upper
101 100
103 61.9 51.7 77.5





#10

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

Concen: 3.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

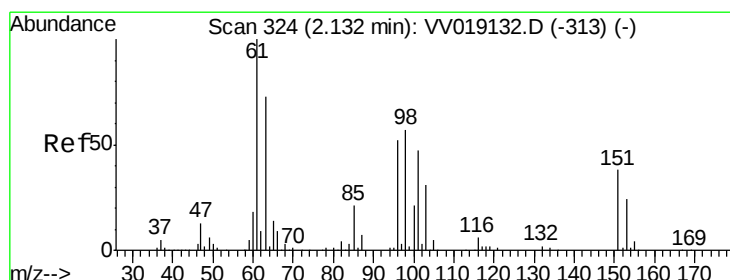
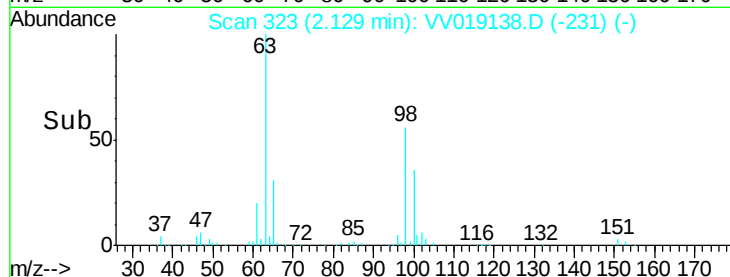
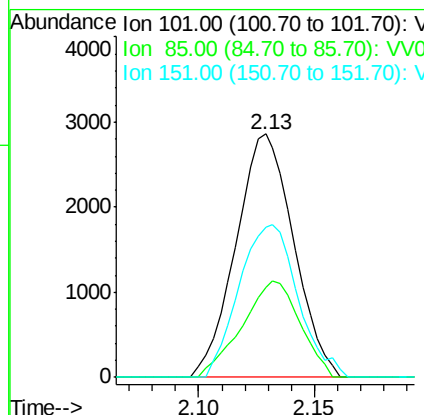
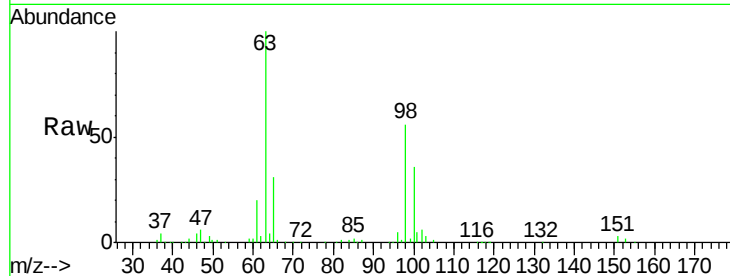
ClientSampled :

MDL03

Tot Ion:	101	Resp:	4932
Ion Ratio	Lower	Upper	
101	100		
85	39.8	36.9	55.3
151	63.8	58.2	87.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.072 ug/L

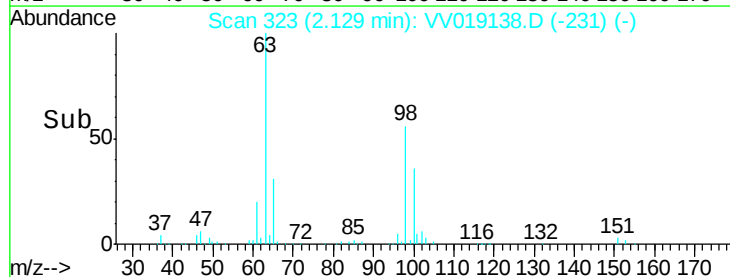
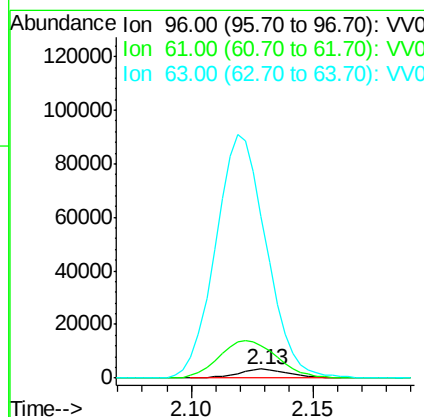
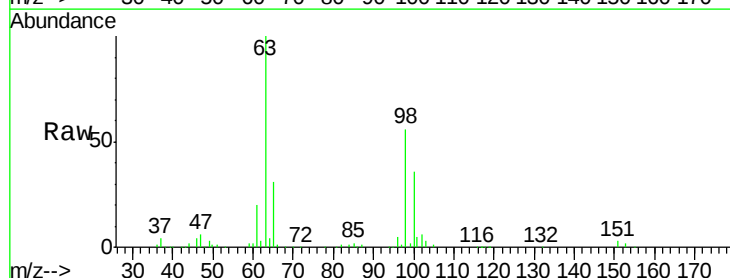
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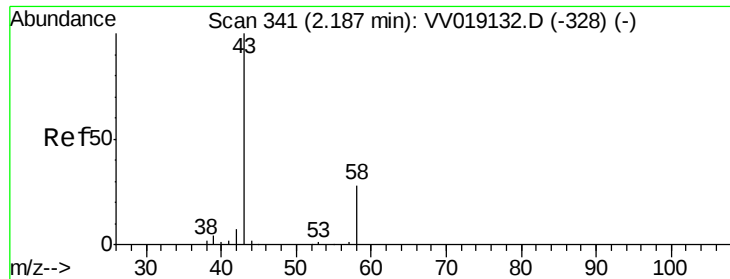
Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:	96	Resp:	4892
Ion Ratio	Lower	Upper	
96	100		
61	364.2	138.7	257.7#
63	1840.0	126.3	234.6#





#13

Acetone

Concen: 4.976 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 4912

Ion Ratio Lower Upper

43 100

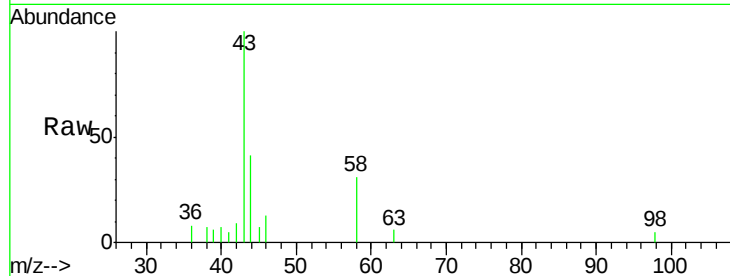
58 28.1 0.0 60.2

Manual Integrations

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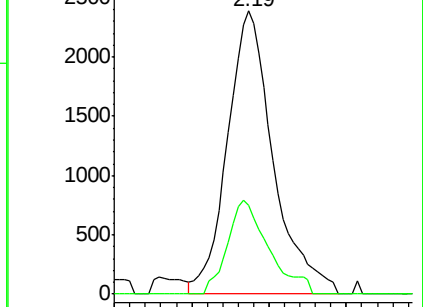
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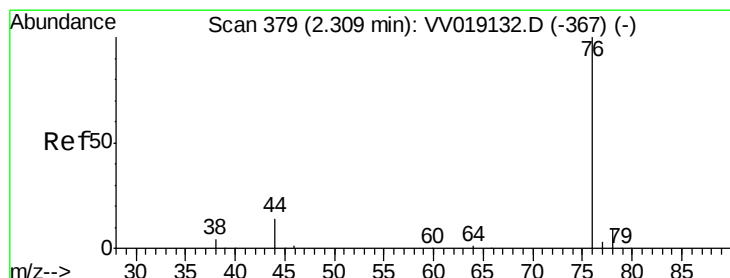
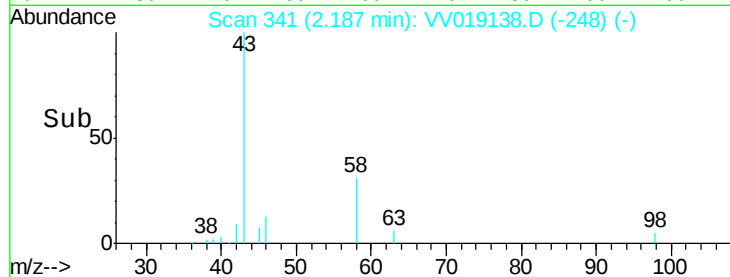


Abundance Ion 43.00 (42.70 to 43.70): VV019138.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV019138.D (-248) (-)



Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.216 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019138.D

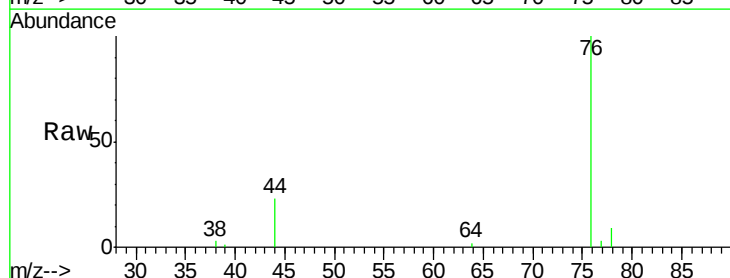
Acq: 28 Oct 2020 16:46

Tgt Ion: 76 Resp: 11633

Ion Ratio Lower Upper

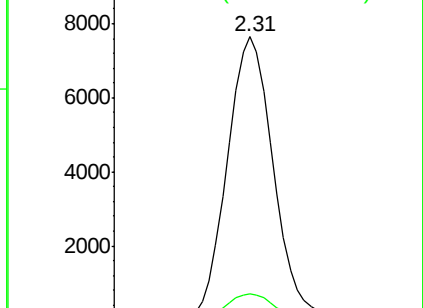
76 100

78 9.1 7.4 11.0

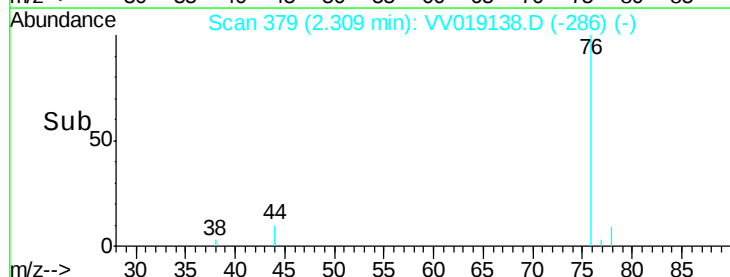


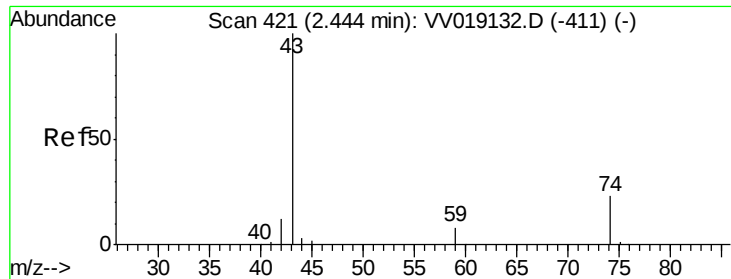
Abundance Ion 76.00 (75.70 to 76.70): VV019138.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019138.D (-286) (-)



Time--> 2.25 2.30 2.35





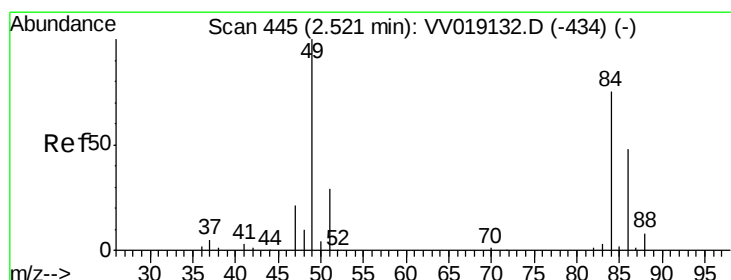
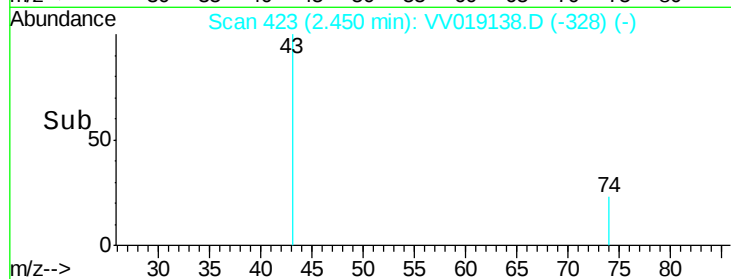
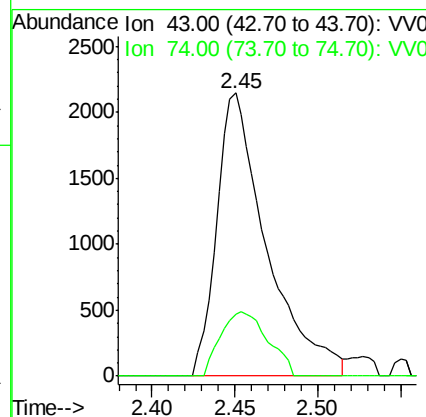
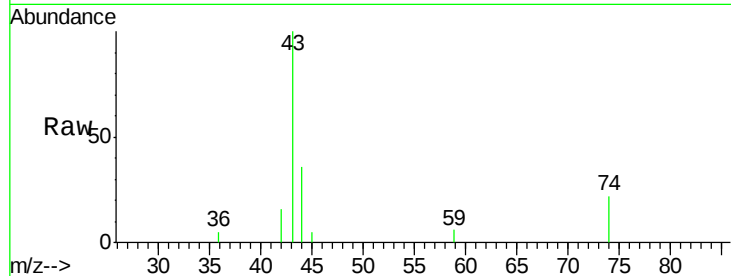
#15
Methvl Acetate
Concen: 2.161 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 4484
Ion Ratio Lower Upper
43 100
74 21.7 16.4 24.6

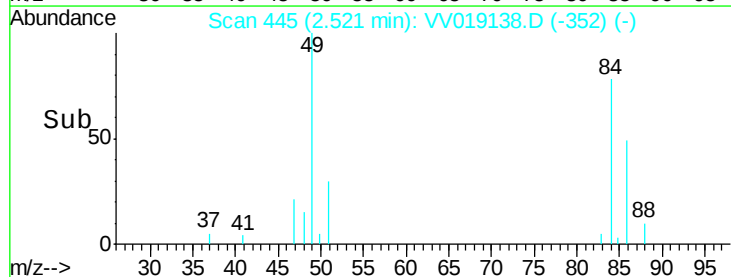
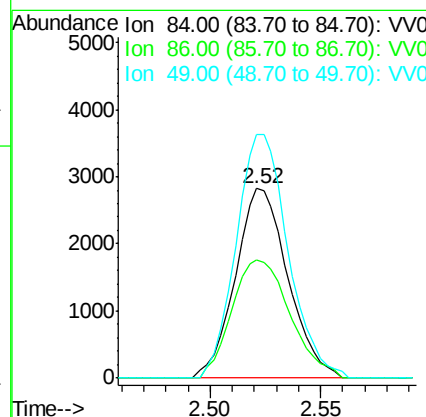
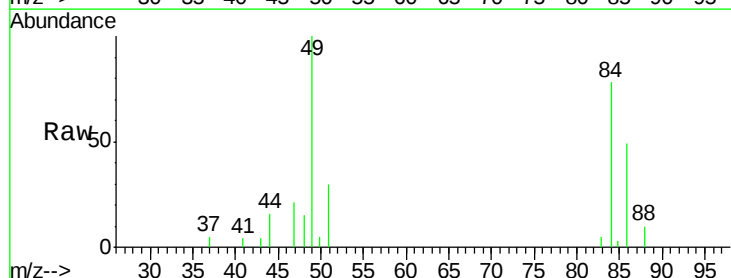
Manual Integrations
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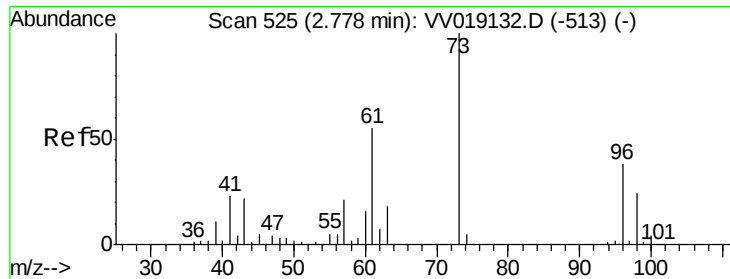
MMDadoda
10/29/2020 2:58:20 PM



#16
Methylene chloride
Concen: 2.519 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 84 Resp: 4675
Ion Ratio Lower Upper
84 100
86 62.3 44.2 82.2
49 128.2 98.0 182.0





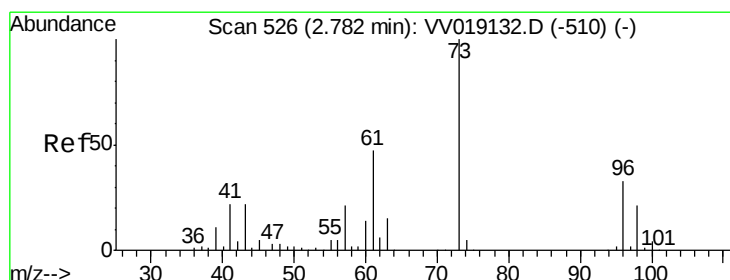
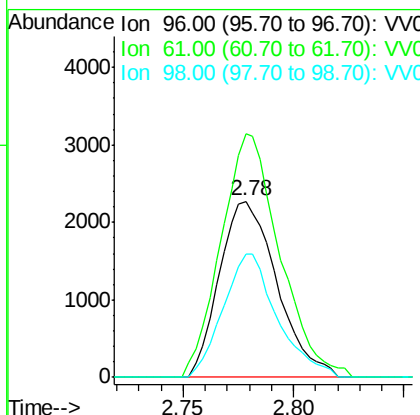
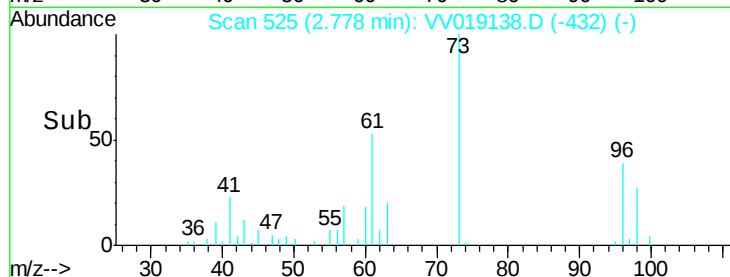
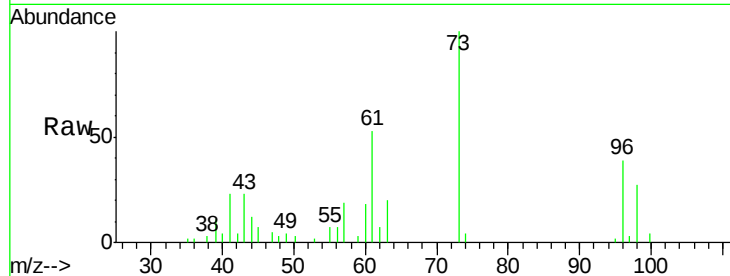
#17
trans-1,2-Dichloroethene
Concen: 2.449 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	108.6	201.8
98	69.9	45.7	84.9

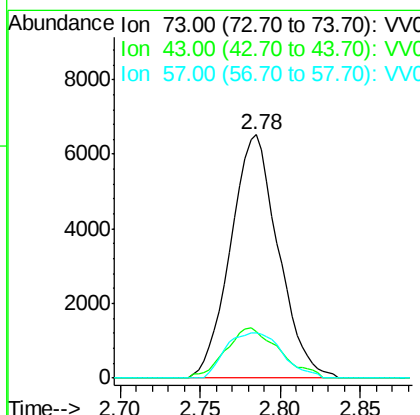
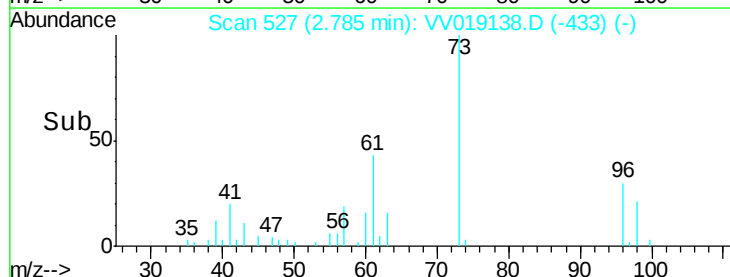
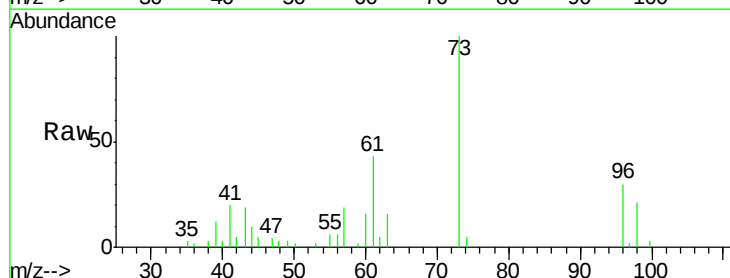
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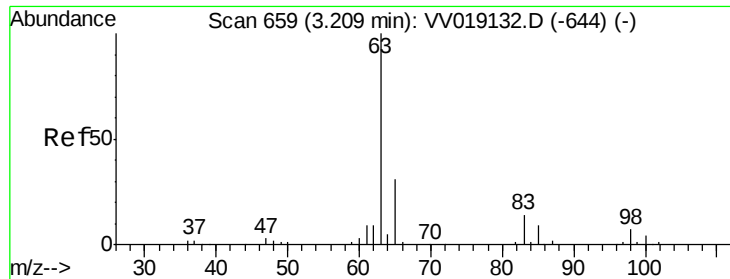
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 2.438 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.2	17.2	25.8
57	22.1	18.5	27.7





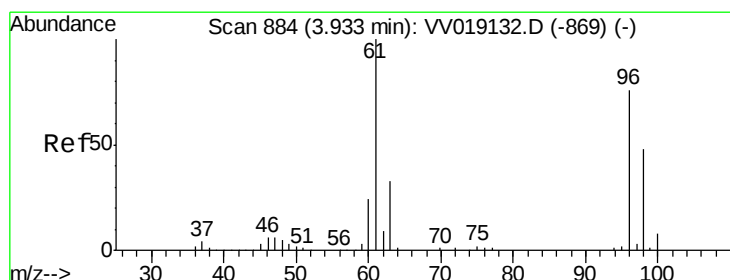
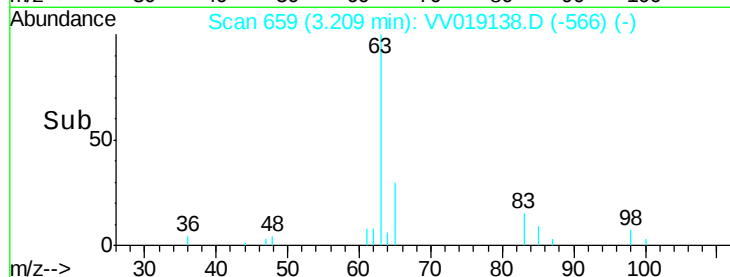
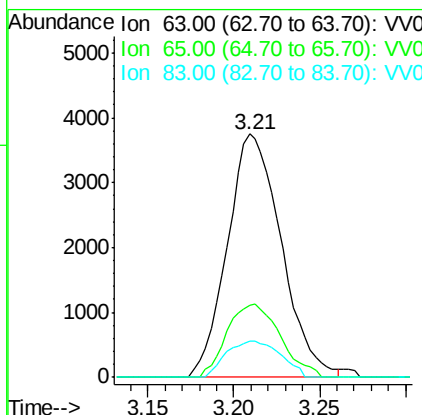
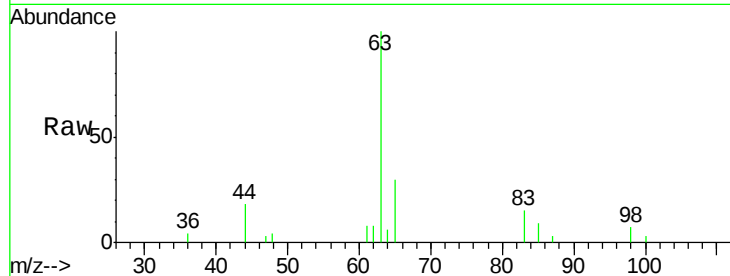
#19
 1,1-Dichloroethane
 Concen: 2.400 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	22.7	42.1
83	15.0	9.0	16.8

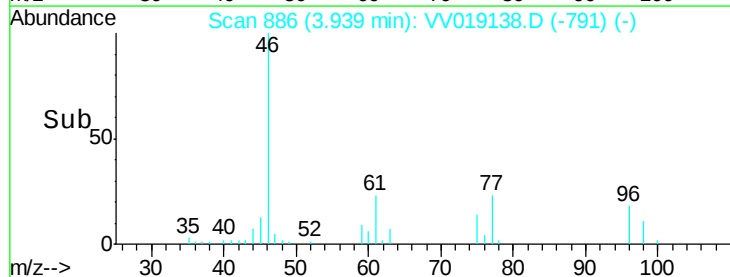
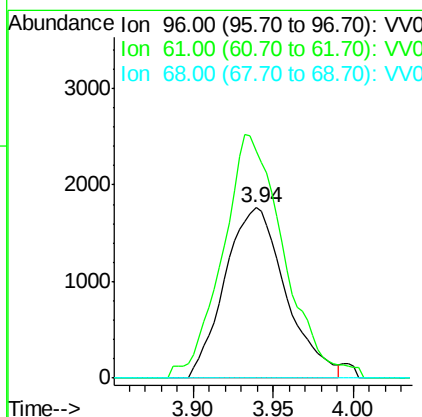
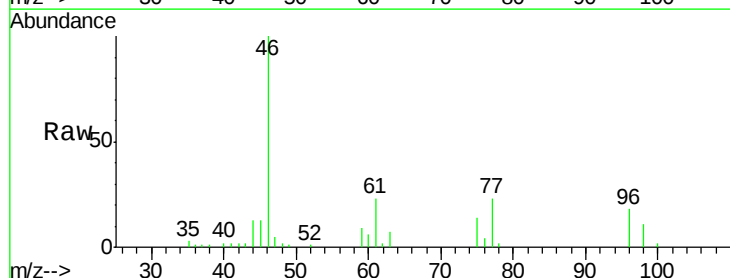
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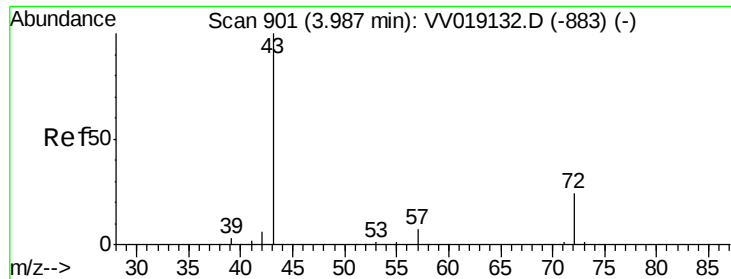
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.564 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.1	99.4	184.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.306 ug/L m

RT: 4.02 min Scan# 910

Delta R.T. 0.03 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 5827

Ion Ratio Lower Upper

43 100

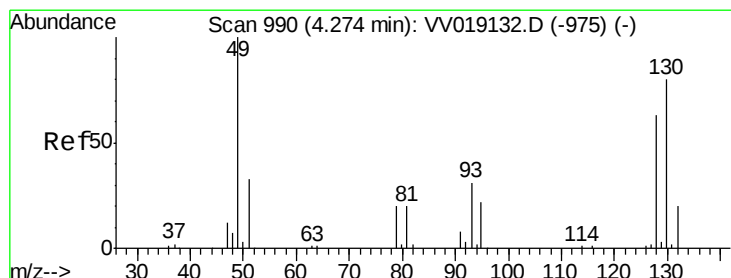
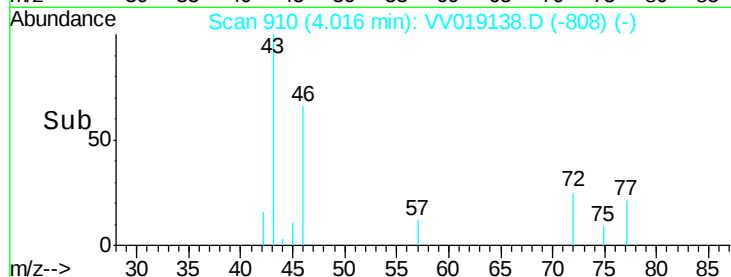
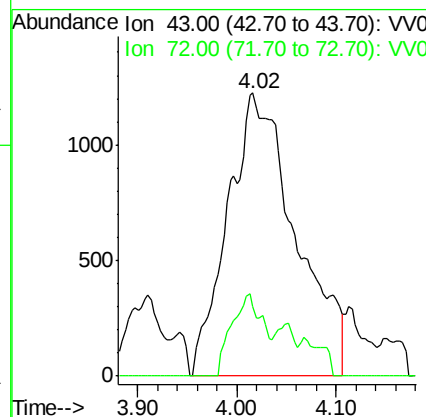
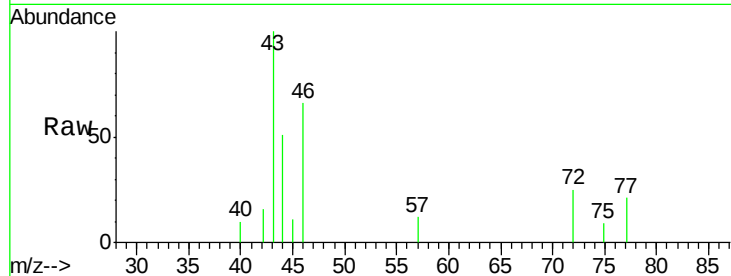
72 0.0 10.8 32.4#

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#23

Bromochloromethane

Concen: 2.604 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion: 128 Resp: 2385

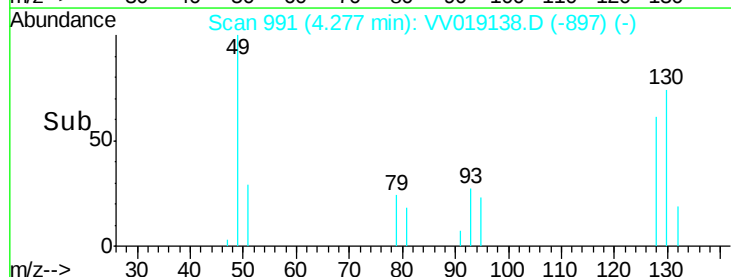
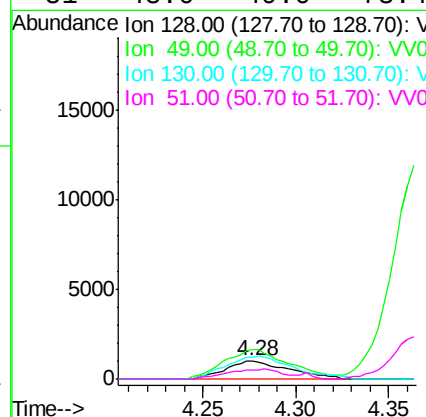
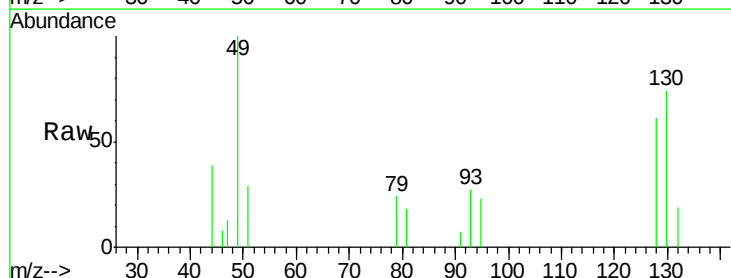
Ion Ratio Lower Upper

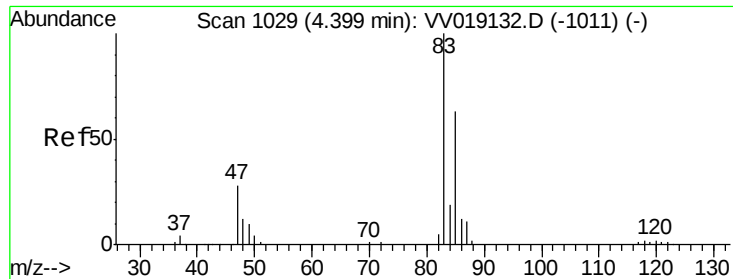
128 100

49 163.1 137.1 254.5

130 120.5 92.0 170.9

51 48.0 49.0 73.4#





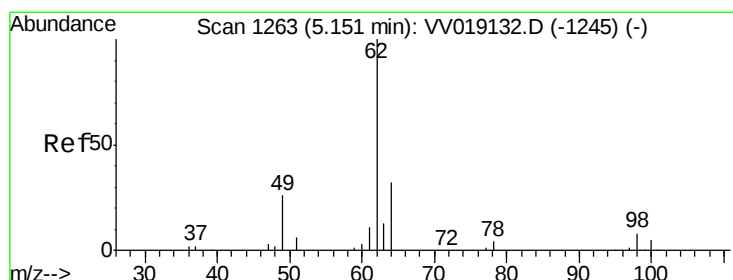
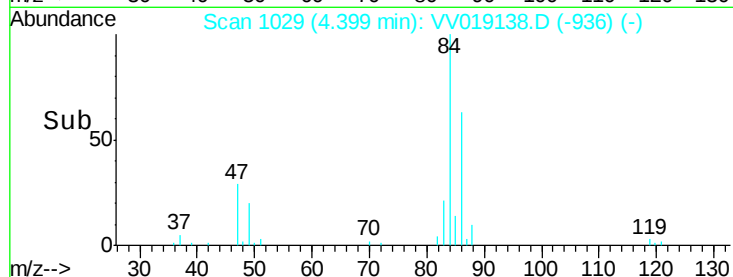
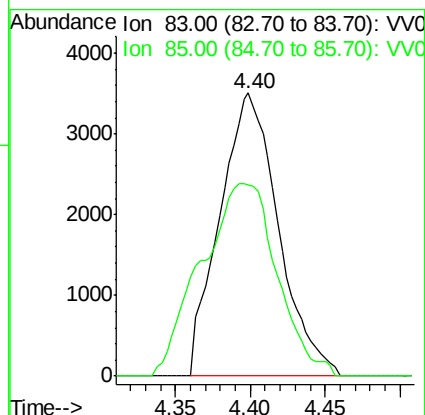
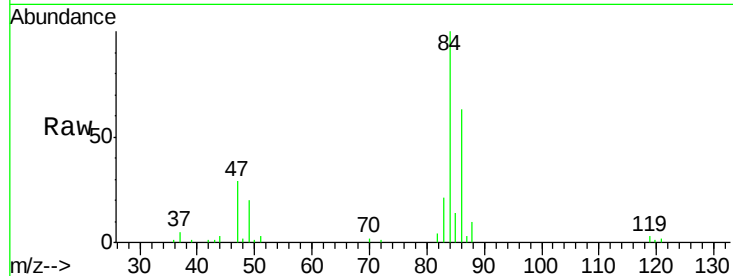
#25
Chloroform
Concen: 2.856 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 83 Resp: 9559
Ion Ratio Lower Upper
83 100
85 67.4 44.5 82.7

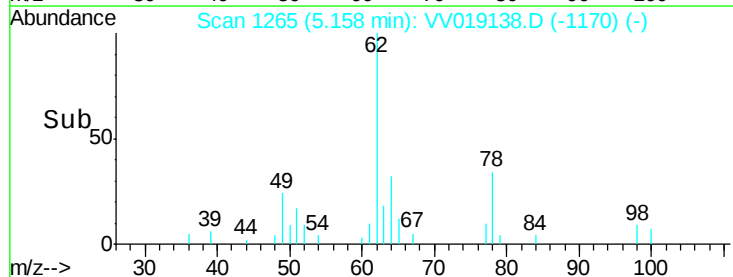
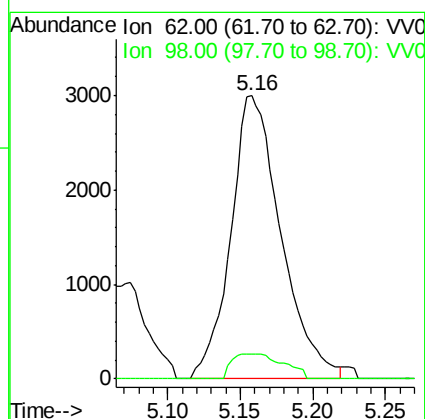
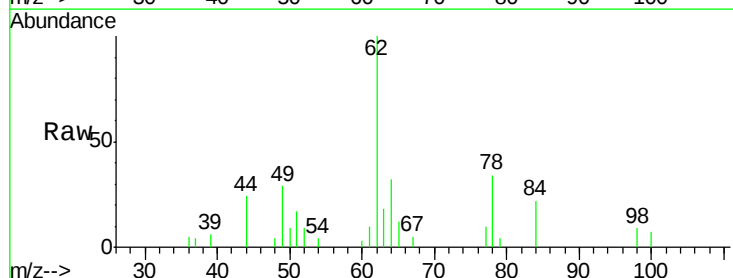
Manual Integrations
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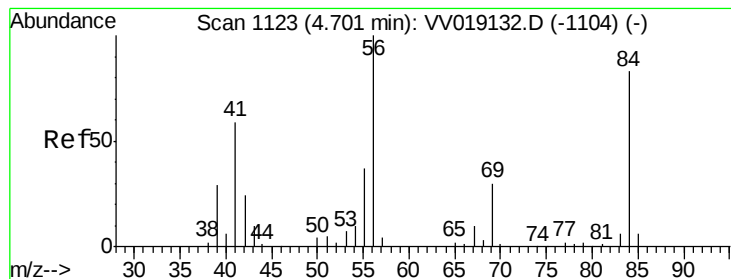
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.601 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion: 62 Resp: 7225
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3





#29

Cvclohexane

Concen: 2.138 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

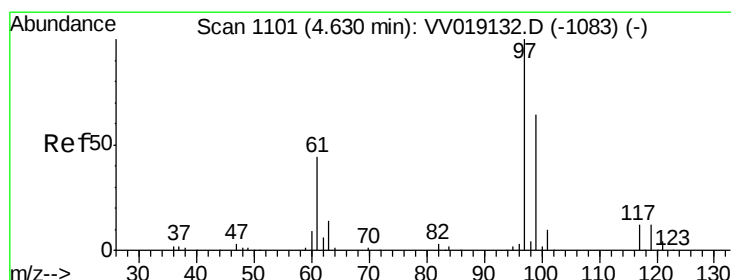
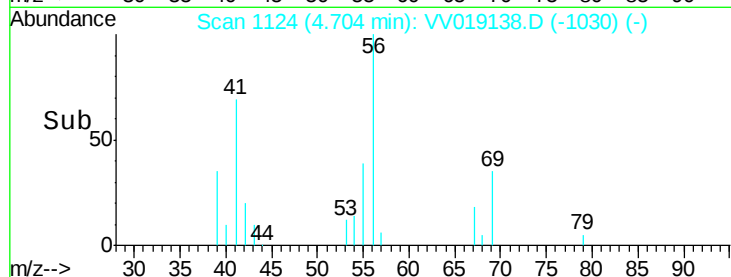
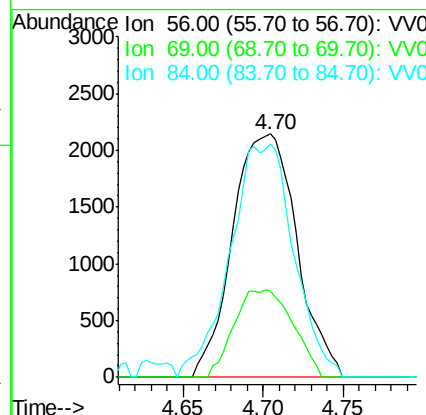
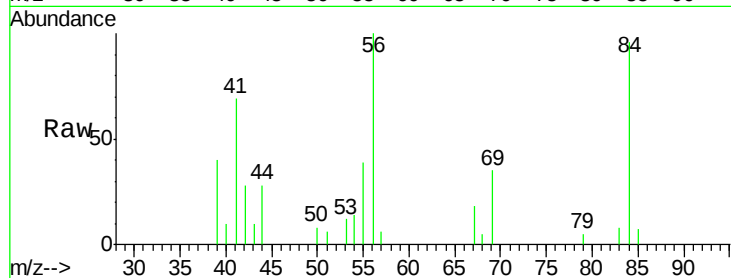
ClientSampleId :

MDL03

Tot Ion:	56	Resp:	5909
Ion	Ratio	Lower	Upper
56	100		
69	15.4	22.7	34.1#
84	47.4	63.5	95.3#

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#30

1,1,1-Trichloroethane

Concen: 2.748 ug/L

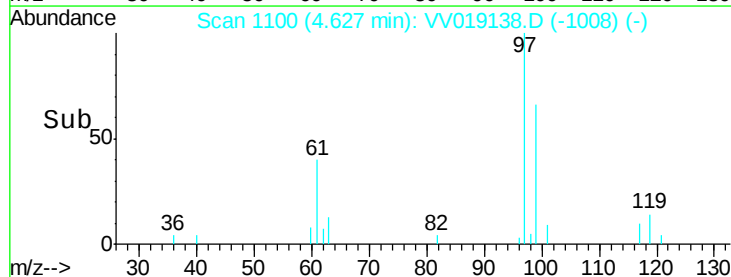
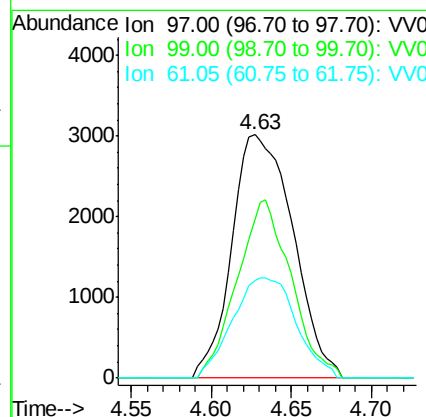
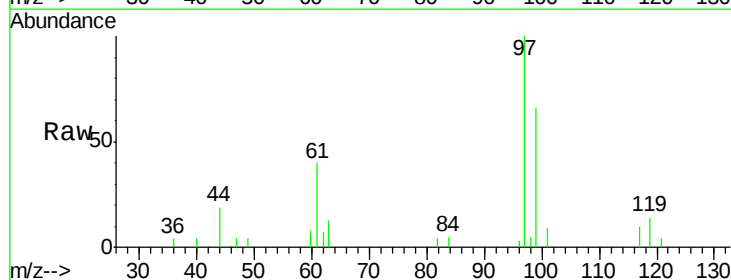
RT: 4.63 min Scan# 1100

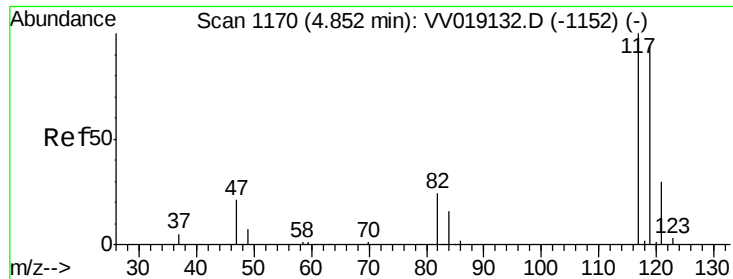
Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:	97	Resp:	7900
Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	42.9	38.1	57.1





#31

Carbon tetrachloride

Concen: 2.808 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:117 Resp: 7037

Ion Ratio Lower Upper

117 100

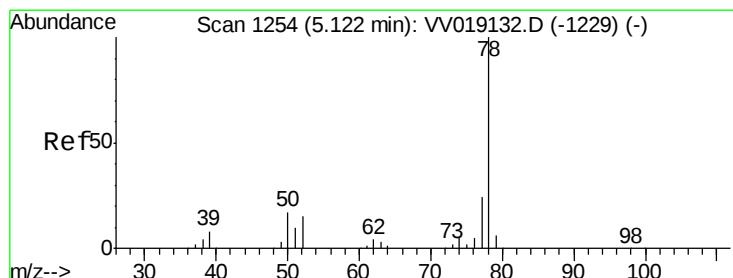
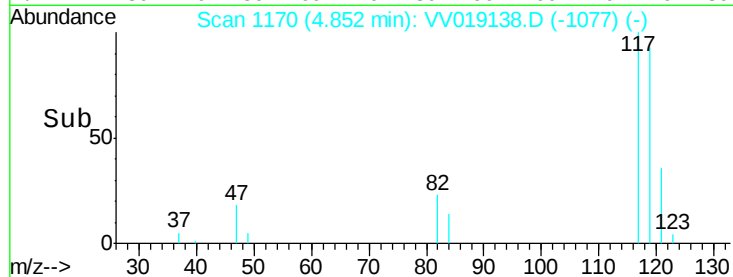
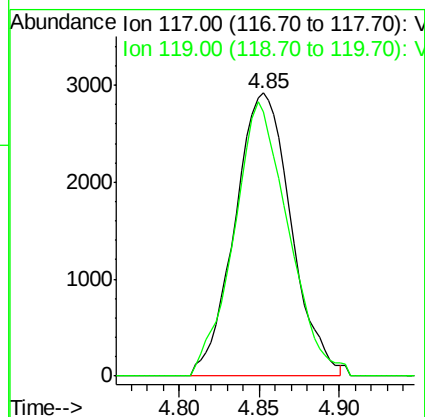
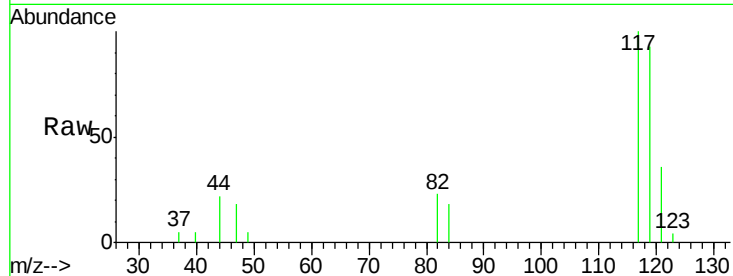
119 93.2 77.2 115.8

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#33

Benzene

Concen: 2.421 ug/L

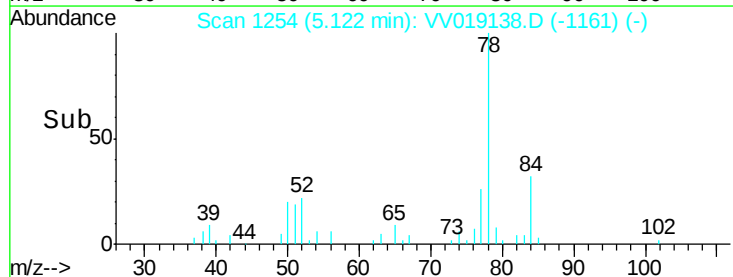
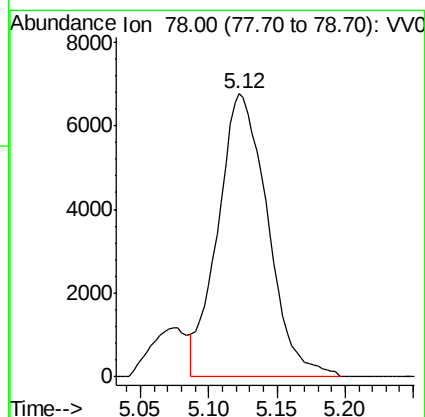
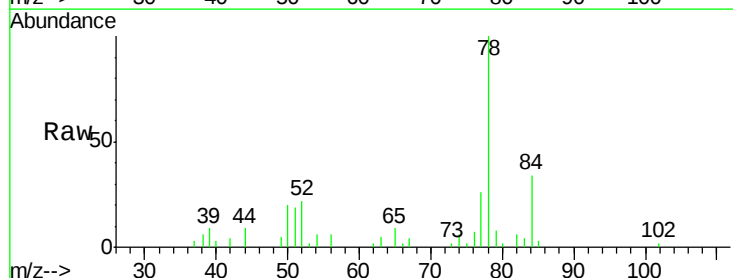
RT: 5.12 min Scan# 1254

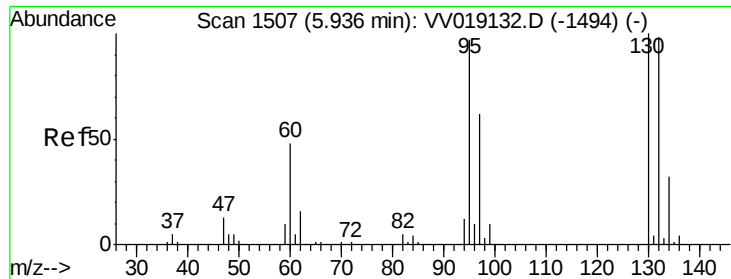
Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion: 78 Resp: 17112





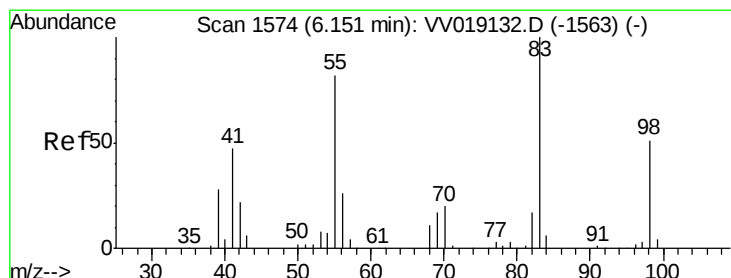
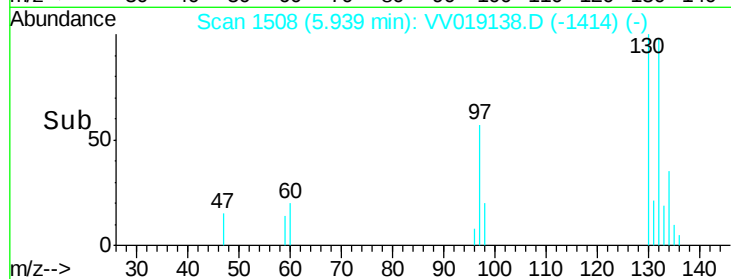
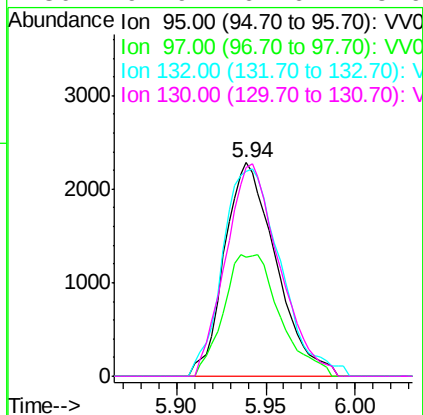
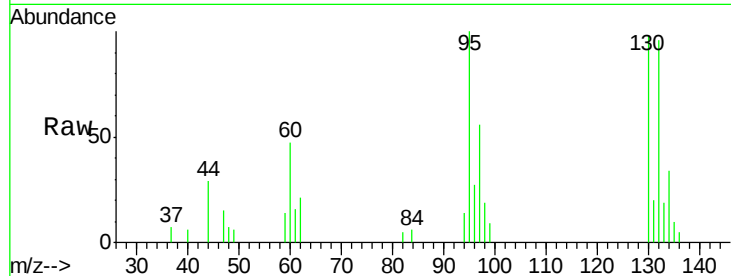
#34
 Trichloroethene
 Concen: 2.581 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 95 Resp: 4611
 Ion Ratio Lower Upper
 95 100
 97 55.7 44.6 82.8
 132 96.0 66.0 122.6
 130 97.9 67.6 125.6

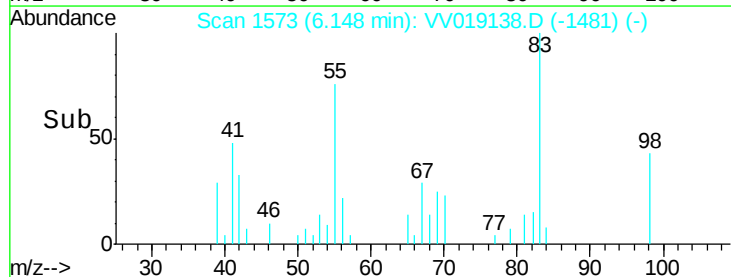
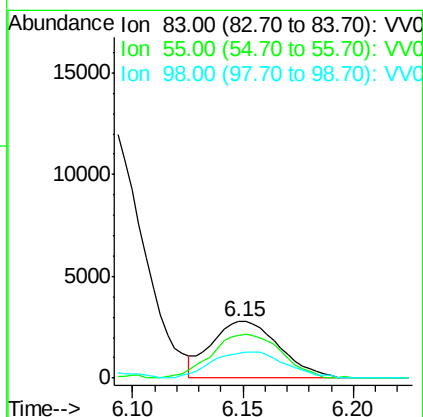
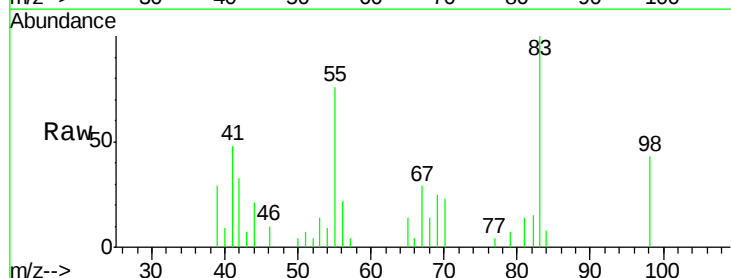
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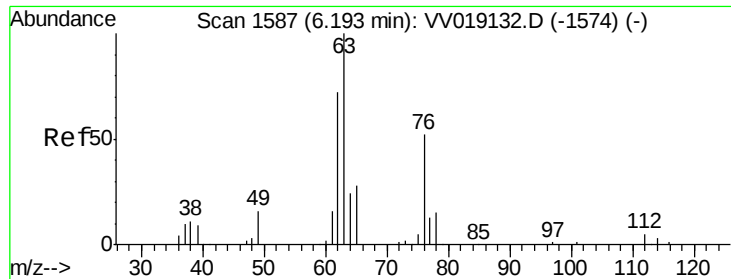
MMDadoda
 10/29/2020 2:58:20 PM



#35
 Methylcyclohexane
 Concen: 2.434 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 83 Resp: 5949
 Ion Ratio Lower Upper
 83 100
 55 79.1 68.1 102.1
 98 49.8 37.9 56.9





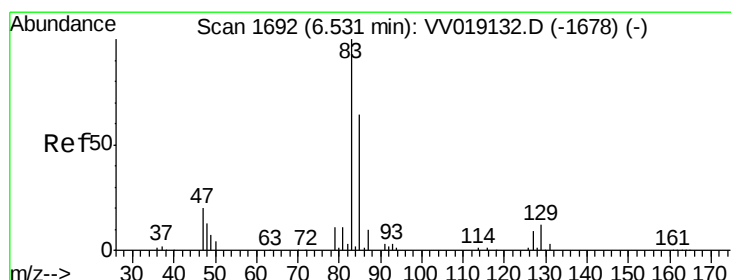
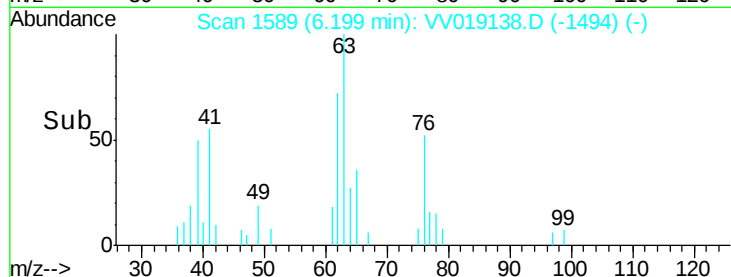
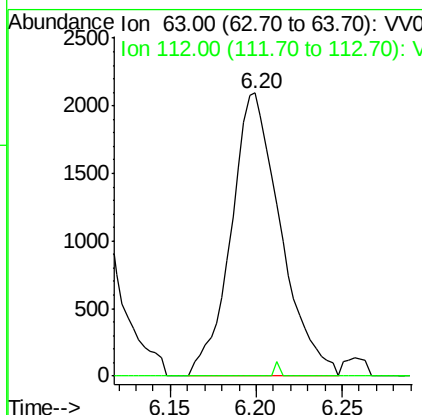
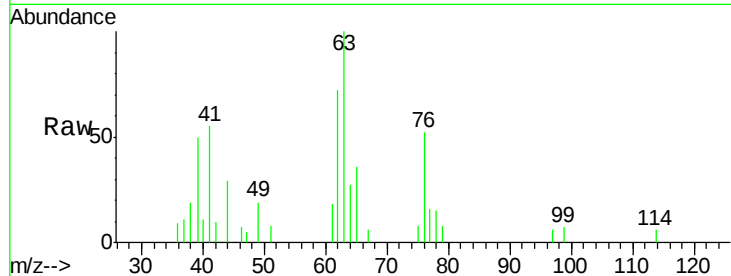
#37
 1,2-Dichloropropane
 Concen: 2.152 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL03

Tot Ion: 63 Resp: 4188
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#

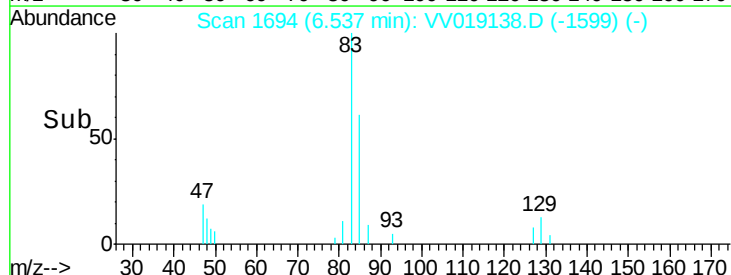
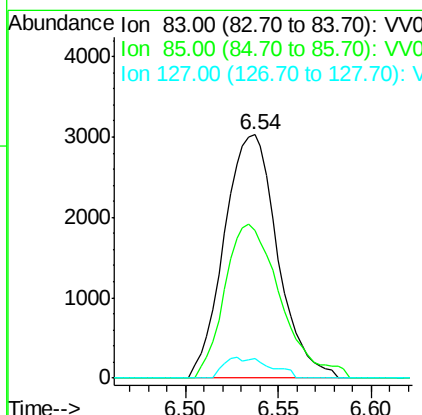
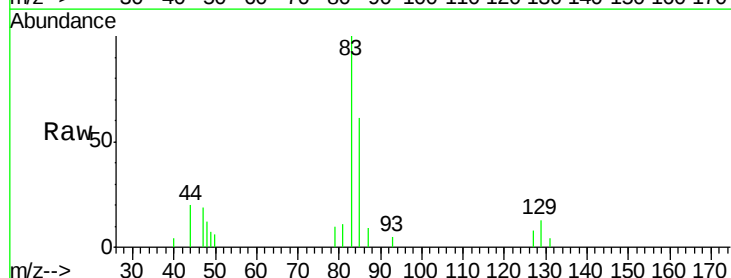
Manual Integrations
 APPROVED

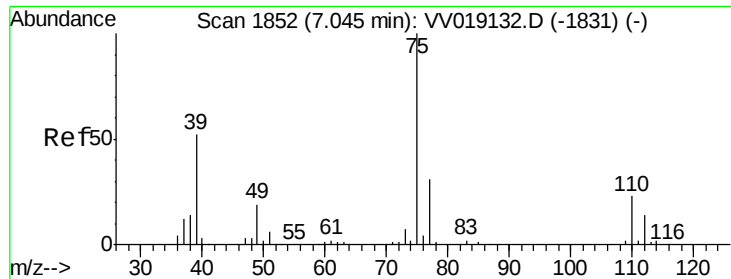
MMDadoda
 10/29/2020 2:58:20 PM



#38
 Bromodichloromethane
 Concen: 2.452 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 83 Resp: 6037
 Ion Ratio Lower Upper
 83 100
 85 60.8 44.9 83.3
 127 7.9 7.0 10.4





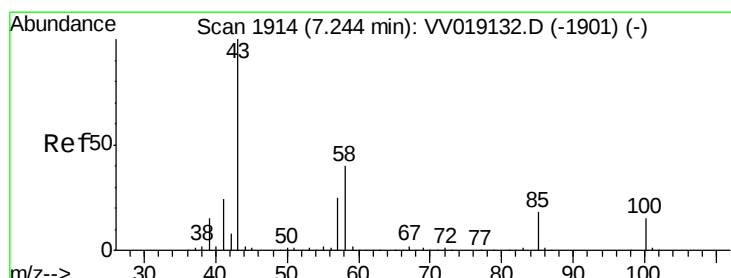
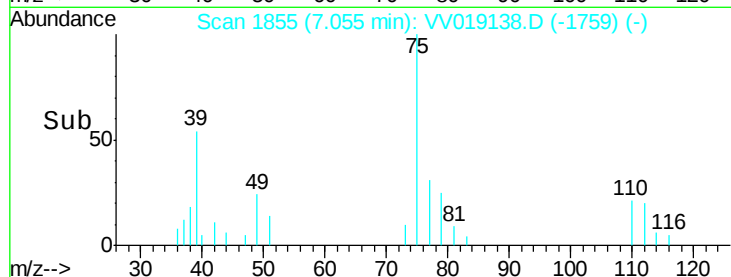
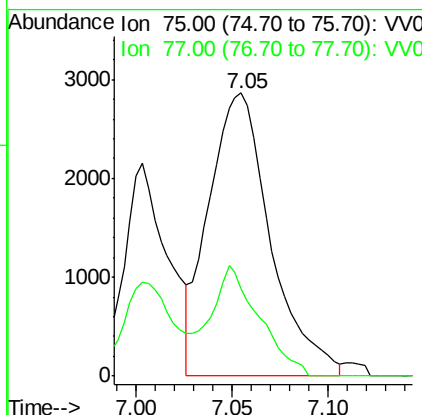
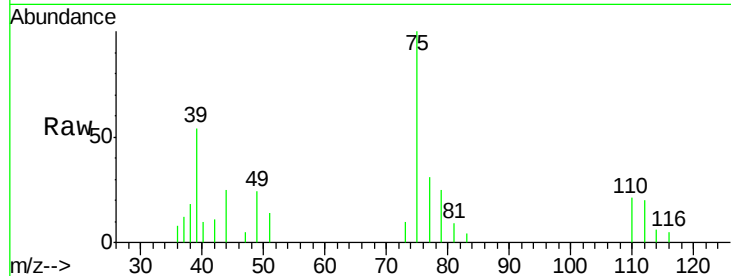
#39
 cis-1,3-Dichloropropene
 Concen: 2.233 ug/L m
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 6423
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1

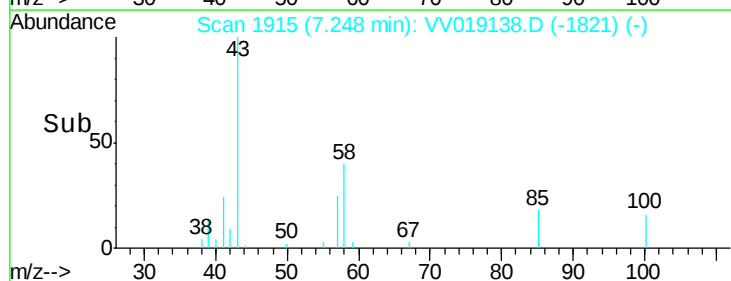
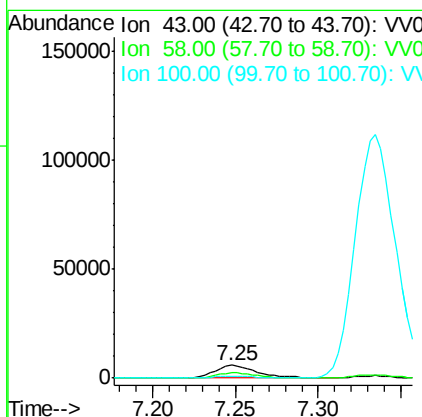
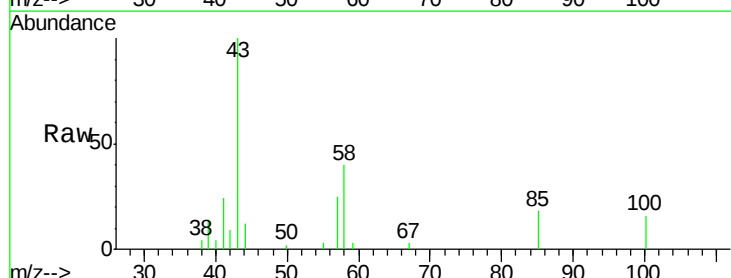
Manual Integrations
 APPROVED

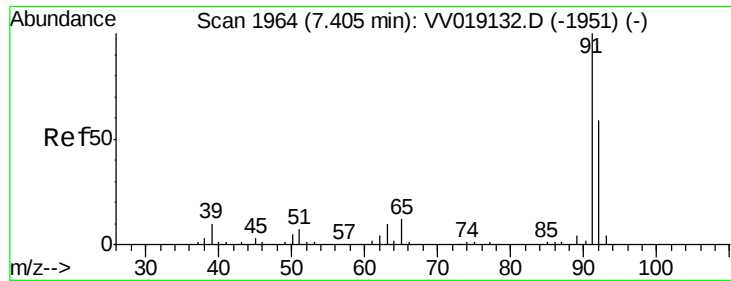
MMDadoda
 10/29/2020 2:58:20 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.077 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 43 Resp: 10704
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.6 44.4
 100 15.6 10.9 16.3





#42

Toluene

Concen: 2.524 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 18317

Ion Ratio Lower Upper

91 100

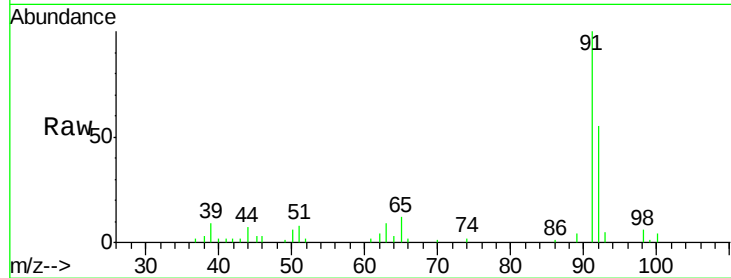
92 55.4 40.9 76.0

Manual Integrations

APPROVED

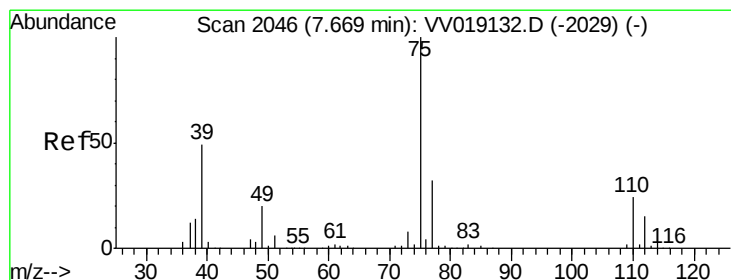
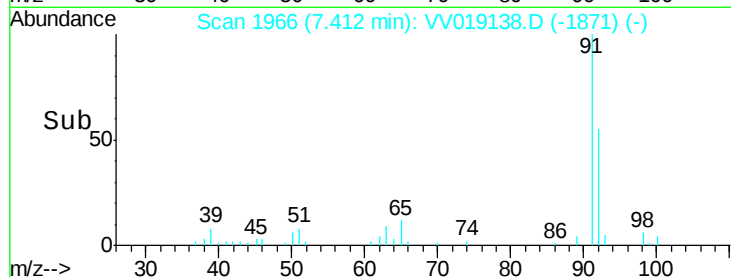
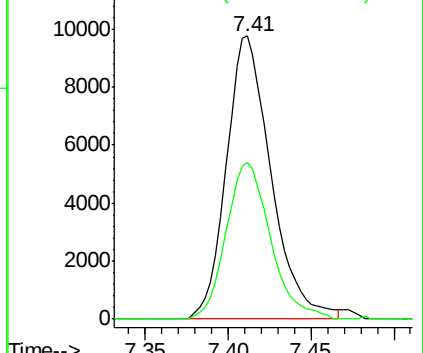
MMDadoda

10/29/2020 2:58:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.383 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019138.D

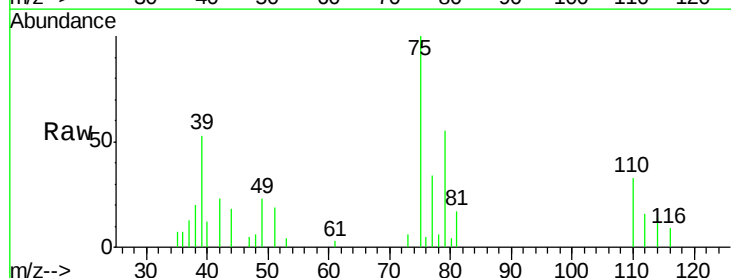
Acq: 28 Oct 2020 16:46

Tgt Ion: 75 Resp: 6799

Ion Ratio Lower Upper

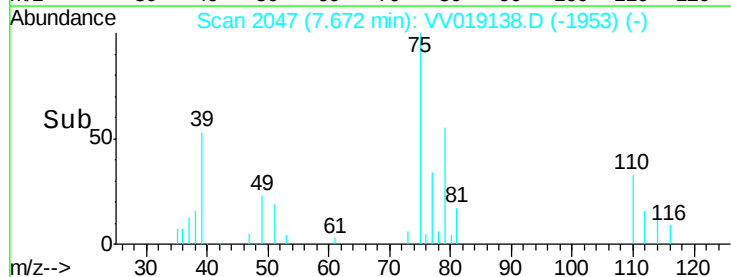
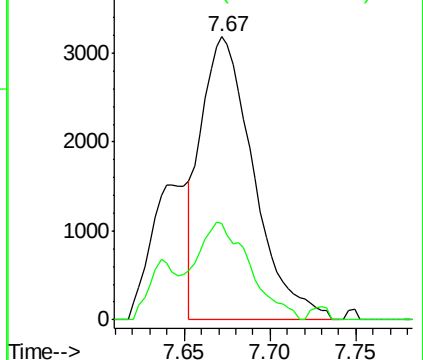
75 100

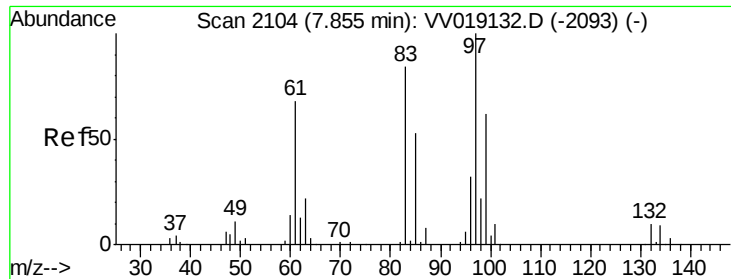
77 34.2 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





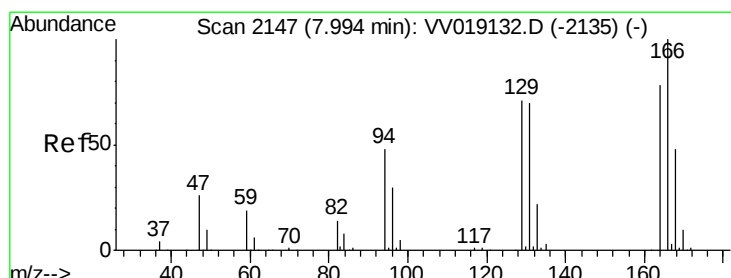
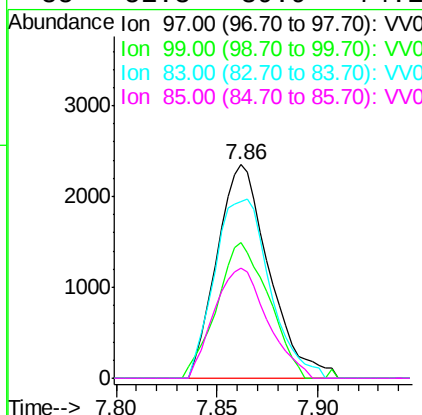
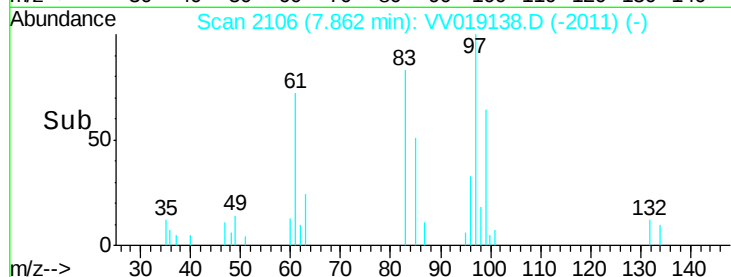
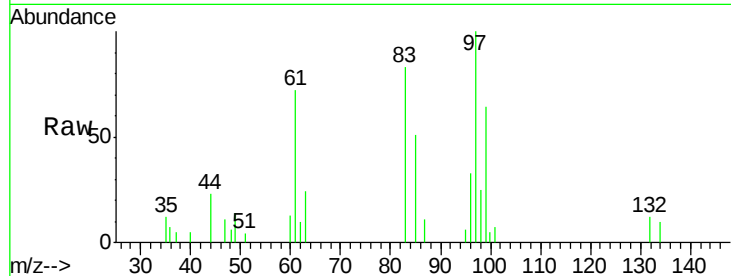
#45
1,1,2-Trichloroethane
Concen: 2.456 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	4222
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.5	80.9
83	82.6	62.2	115.4
85	51.3	39.9	74.1

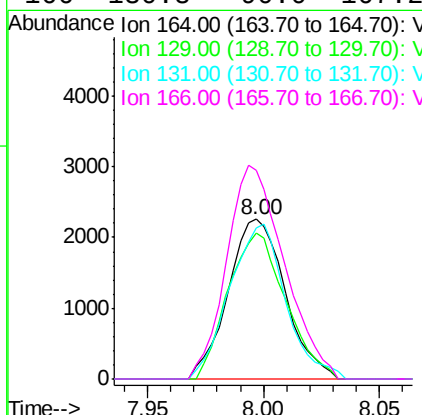
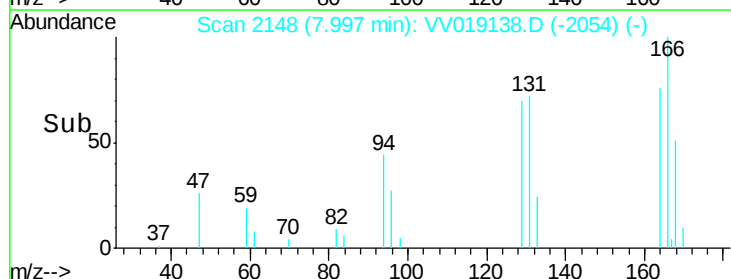
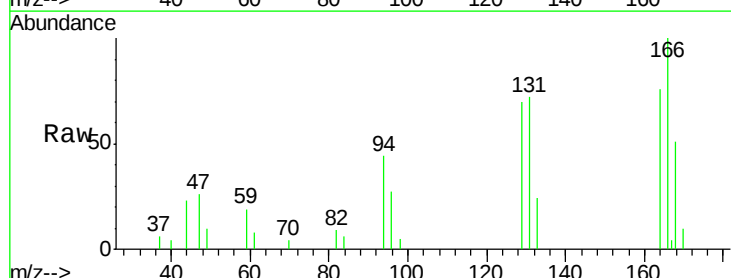
Manual Integrations
APPROVED

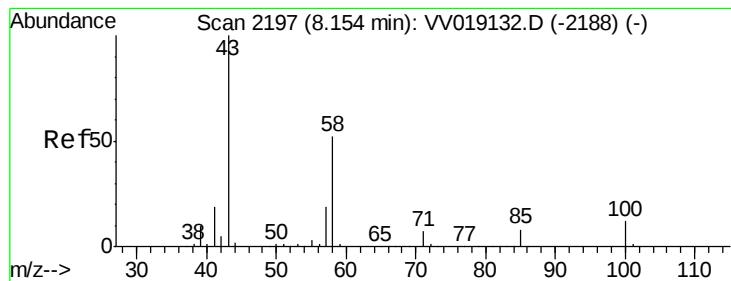
MMDadoda
10/29/2020 2:58:20 PM



#46
Tetrachloroethene
Concen: 2.817 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion:	164	Resp:	3861
Ion	Ratio	Lower	Upper
164	100		
129	91.5	65.5	121.6
131	94.4	62.4	115.8
166	130.8	90.0	167.2





#48

2-Hexanone

Concen: 4.571 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

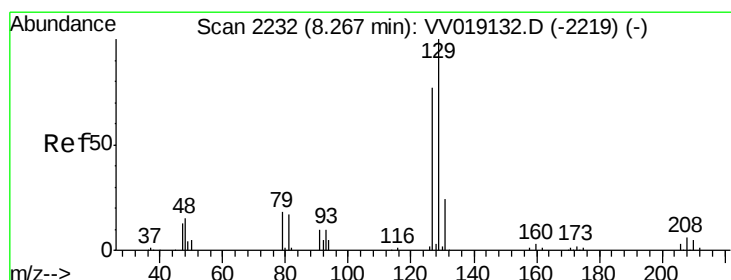
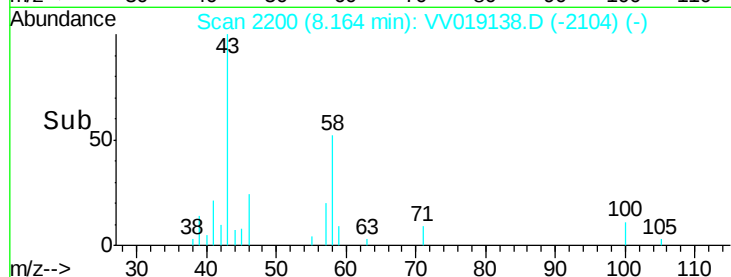
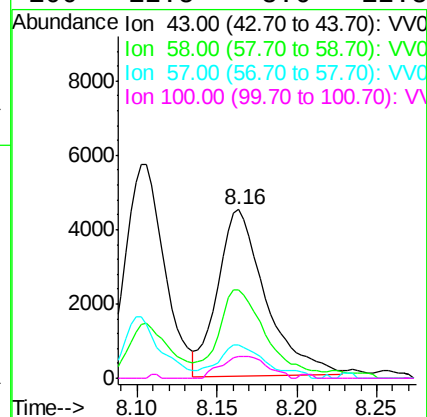
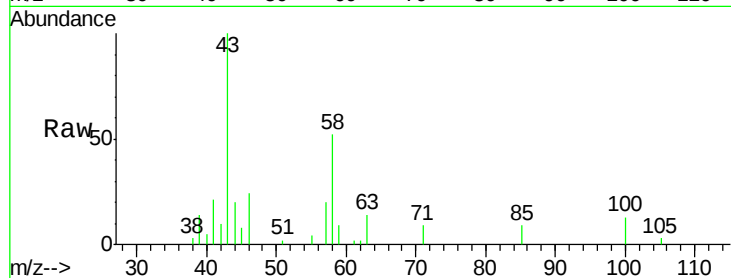
ClientSampled :

MDL03

Tot Ion:	43	Resp:	9260
Ion	Ratio	Lower	Upper
43	100		
58	46.6	41.1	61.7
57	13.4	14.7	22.1#
100	12.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/29/2020 2:58:20 PM



#49

Dibromochloromethane

Concen: 2.777 ug/L

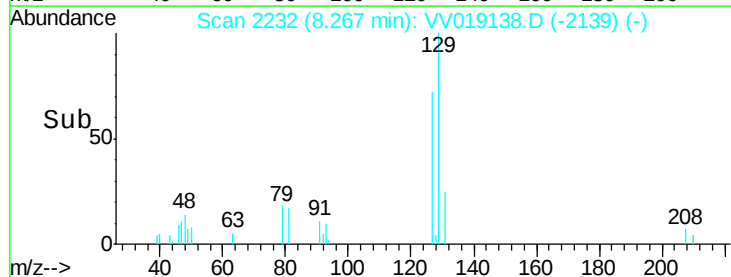
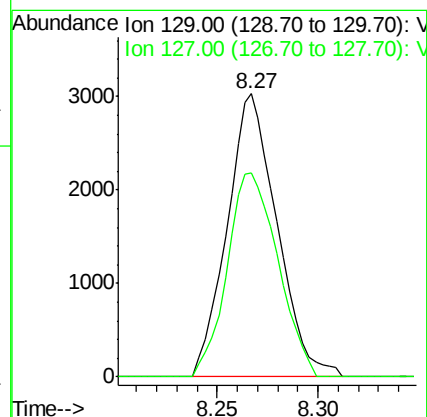
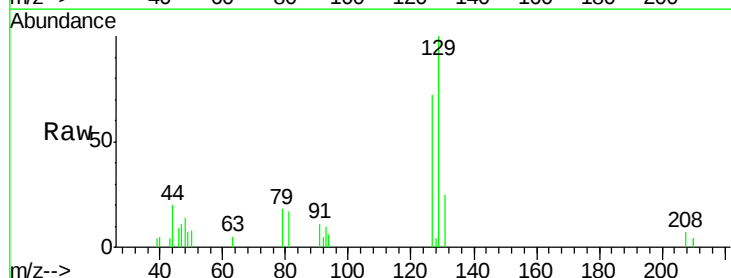
RT: 8.27 min Scan# 2232

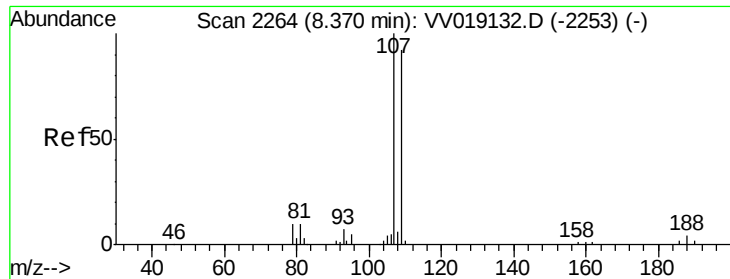
Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:	129	Resp:	5218
Ion	Ratio	Lower	Upper
129	100		
127	72.2	53.7	99.7





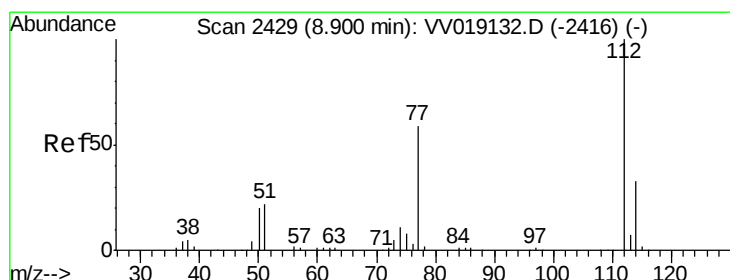
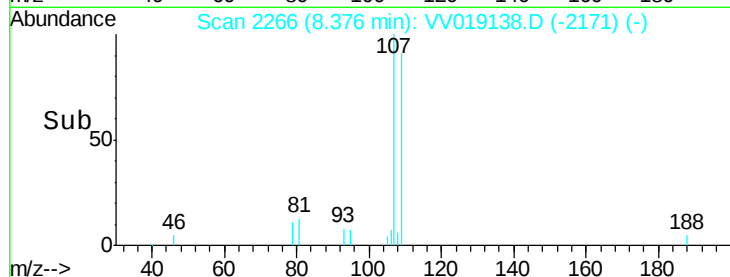
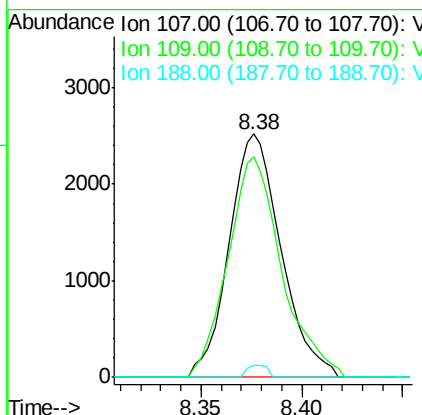
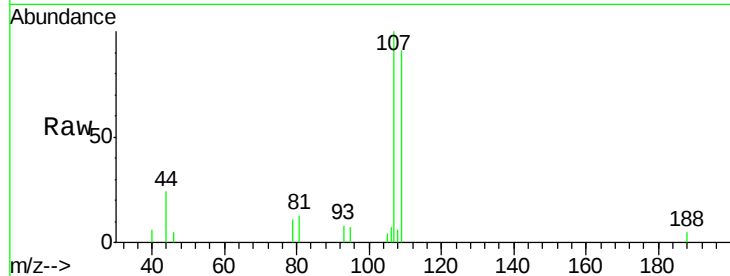
#50
1,2-Dibromoethane
Concen: 2.546 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	66.1	122.7
188	5.0	3.2	4.8#

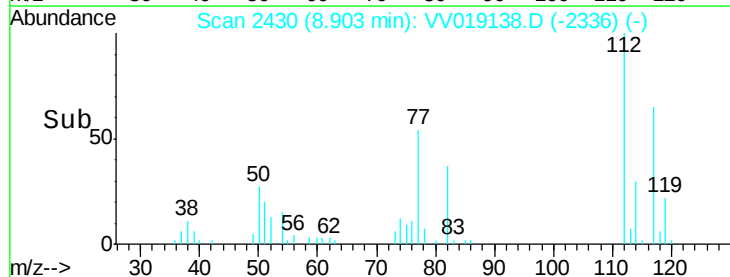
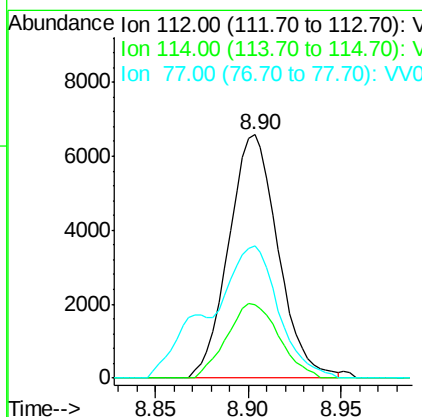
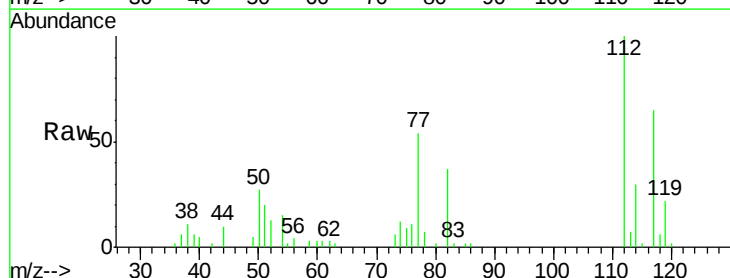
Manual Integrations
APPROVED

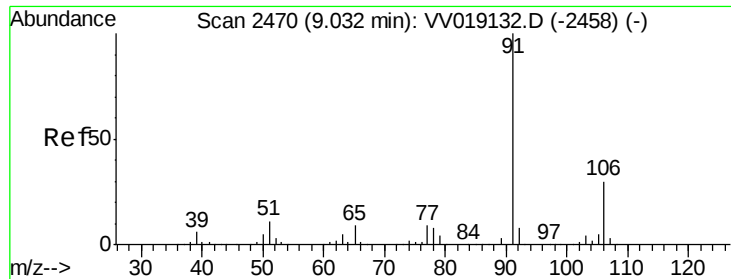
MMDadoda
10/29/2020 2:58:20 PM



#51
Chlorobenzene
Concen: 2.621 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.2	41.2
77	54.2	49.1	73.7





#52

Ethylbenzene

Concen: 2.378 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tot Ion: 91 Resp: 18655

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7

Instrument :

MSVOA_V

ClientSampleId :

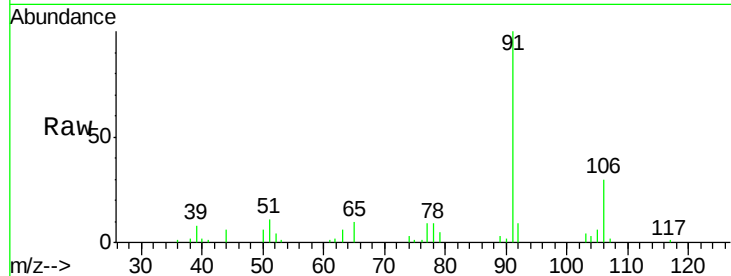
MDL03

Manual Integrations

APPROVED

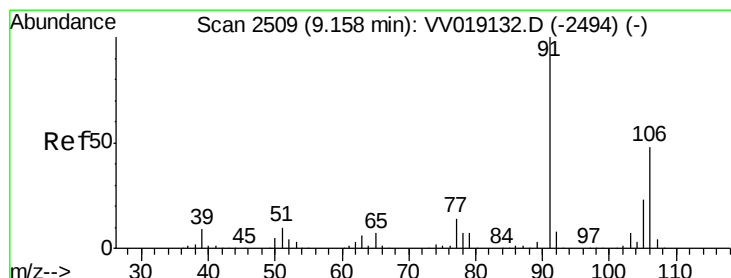
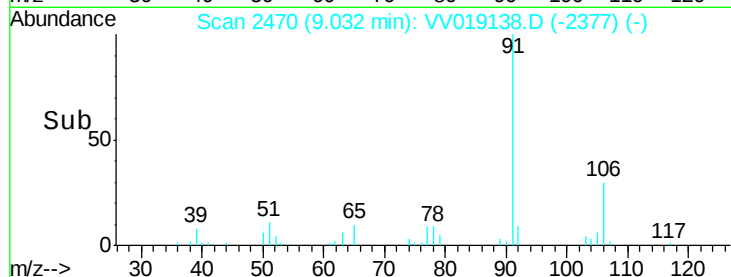
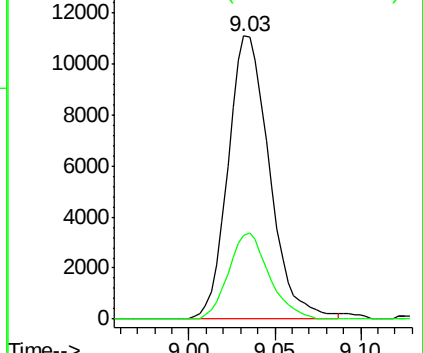
MMDadoda

10/29/2020 2:58:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VV019138.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV019138.D (-2458) (-)



#53

m,p-Xylene

Concen: 2.409 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019138.D

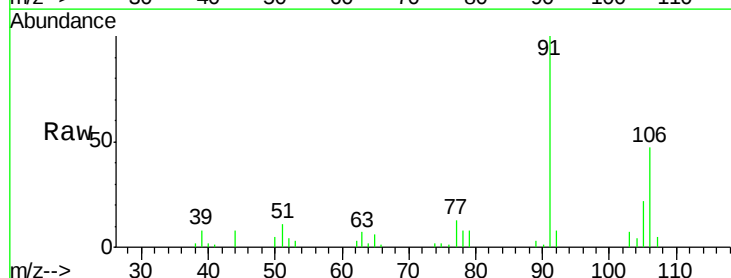
Acq: 28 Oct 2020 16:46

Tgt Ion: 106 Resp: 6919

Ion Ratio Lower Upper

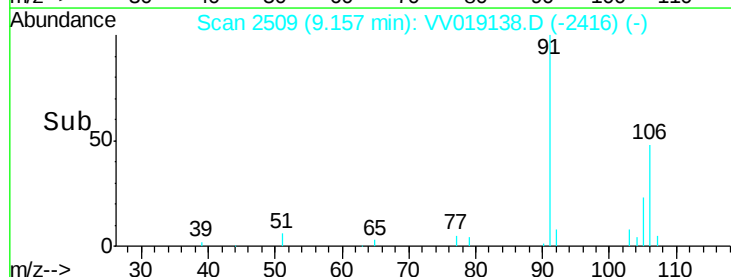
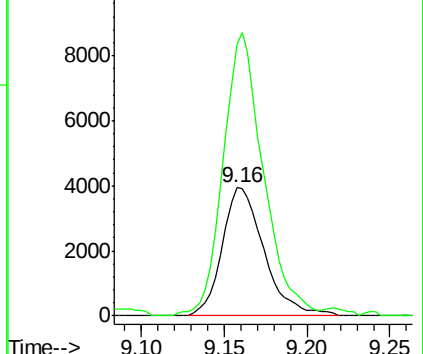
106 100

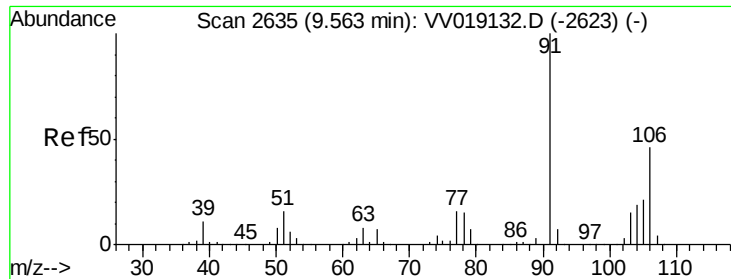
91 211.9 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019138.D (-2494) (-)

Ion 91.00 (90.70 to 91.70): VV019138.D (-2494) (-)





#54

o-xylene

Concen: 2.269 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tot Ion:106 Resp: 6275

Ion Ratio Lower Upper

106 100

91 235.6 154.3 286.5

Instrument :

MSVOA_V

ClientSampled :

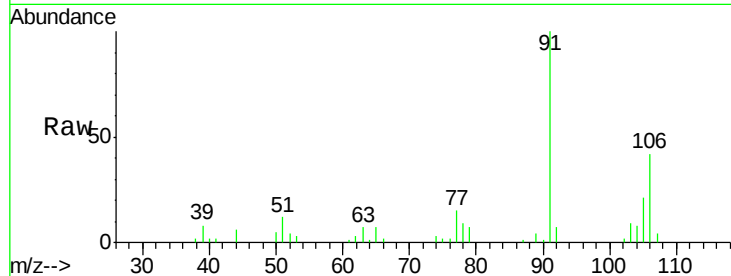
MDL03

Manual Integrations

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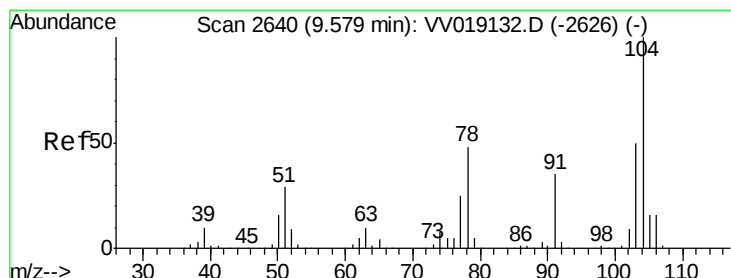
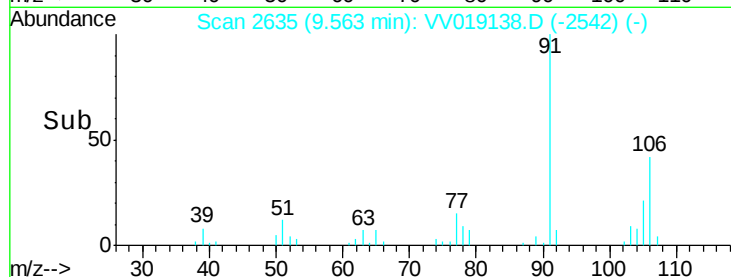
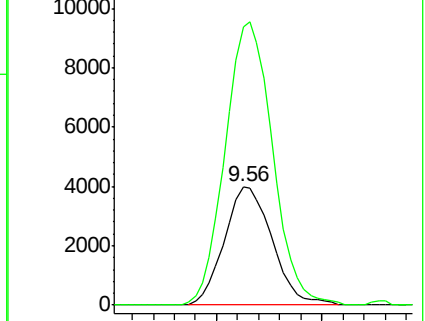
MMDadoda

10/29/2020 2:58:20 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.247 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019138.D

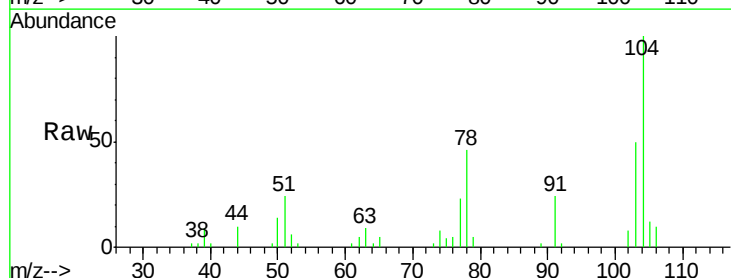
Acq: 28 Oct 2020 16:46

Tgt Ion:104 Resp: 11021

Ion Ratio Lower Upper

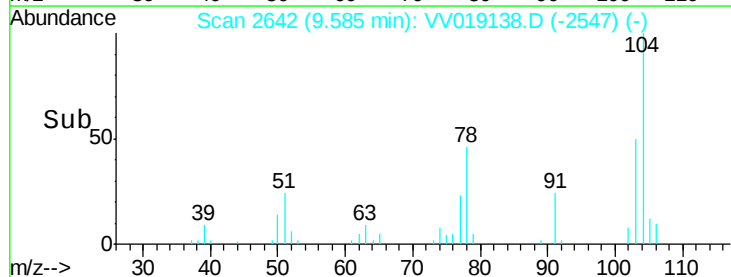
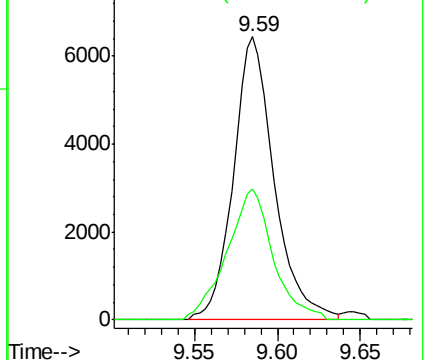
104 100

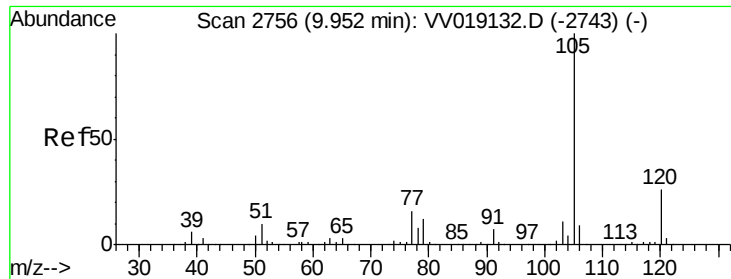
78 46.5 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.384 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

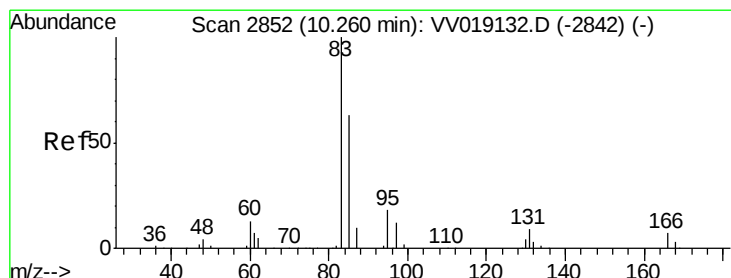
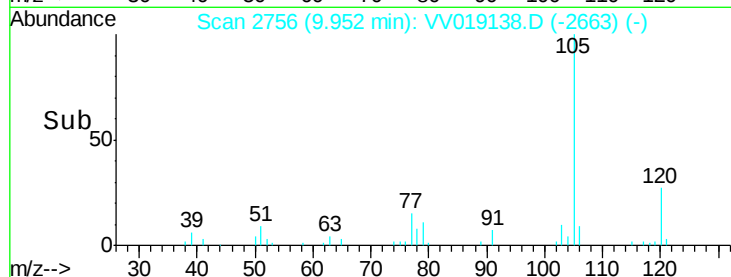
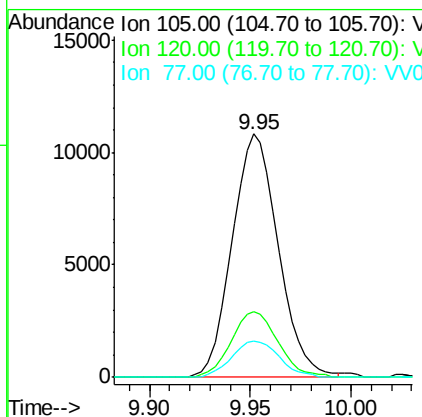
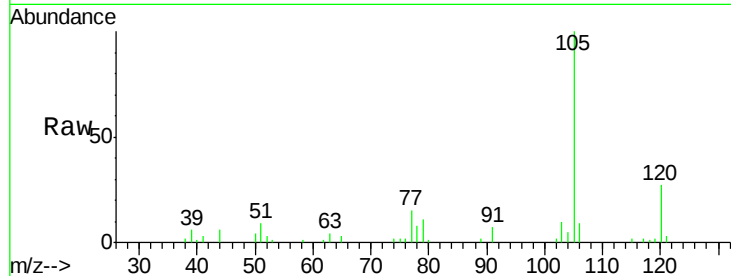
ClientSampleId :

MDL03

Tot Ion:	105	Resp:	17339
Ion Ratio	Lower	Upper	
105	100		
120	27.4	20.6	31.0
77	15.3	13.4	20.0

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.294 ug/L

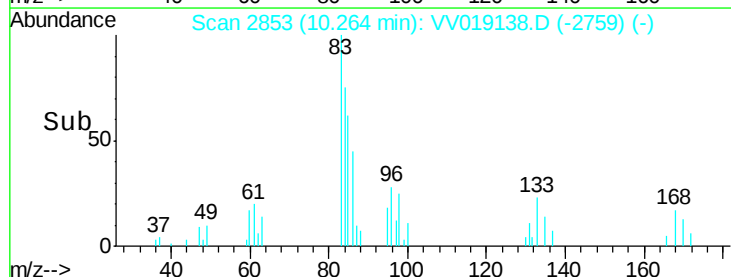
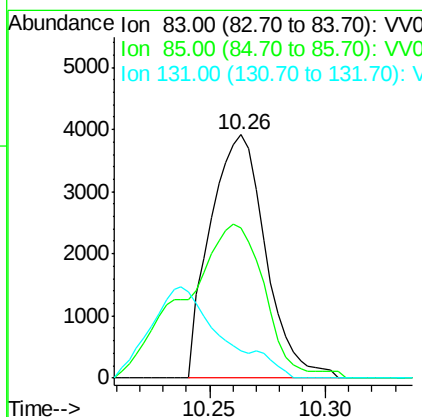
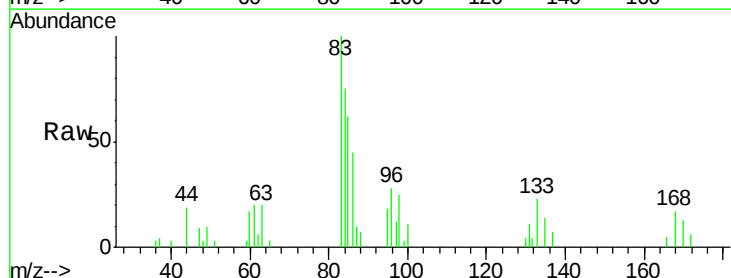
RT: 10.26 min Scan# 2853

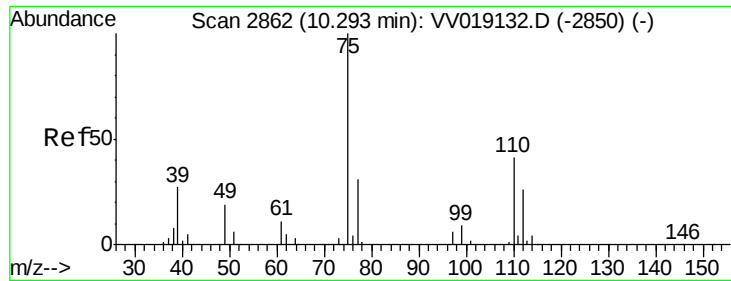
Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:	83	Resp:	6488
Ion Ratio	Lower	Upper	
83	100		
85	61.7	44.2	82.2
131	14.8	7.4	11.2#





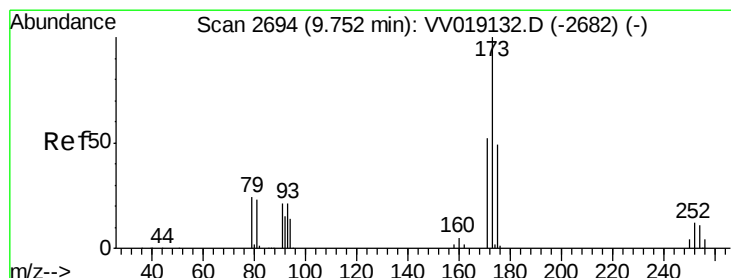
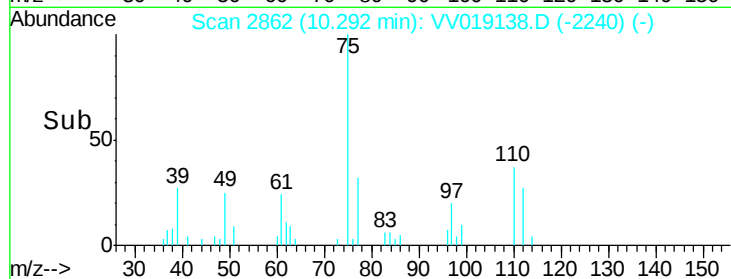
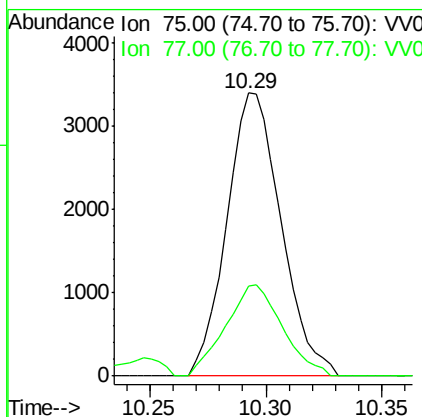
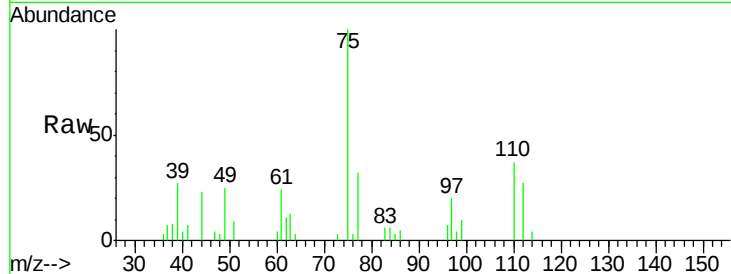
#59
 1,2,3-Trichloropropane
 Concen: 2.431 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 5532
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.9 38.9

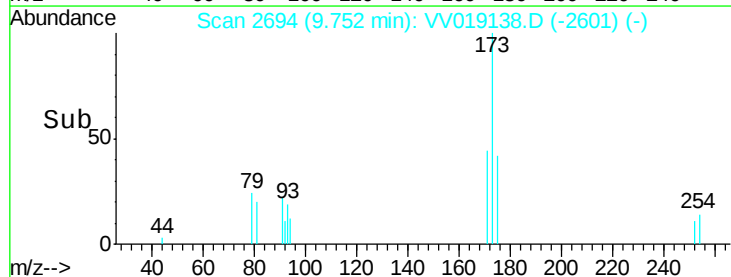
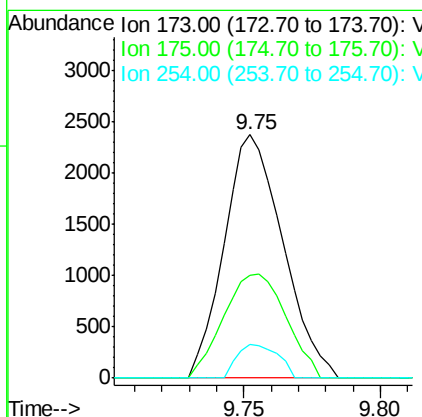
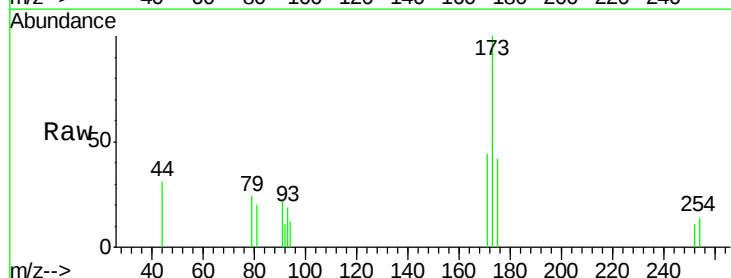
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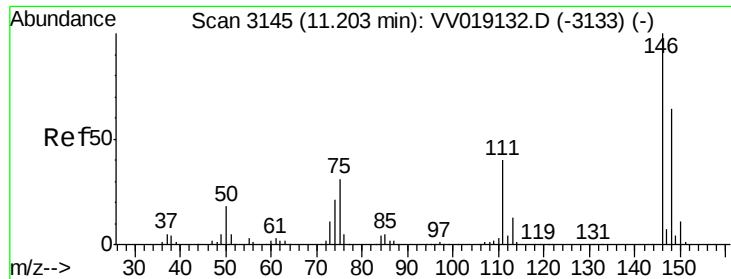
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#61
 Bromoform
 Concen: 2.618 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion: 173 Resp: 3554
 Ion Ratio Lower Upper
 173 100
 175 45.4 38.3 57.5
 254 9.6 8.3 12.5





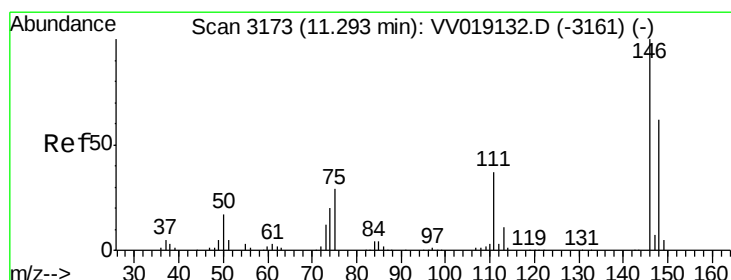
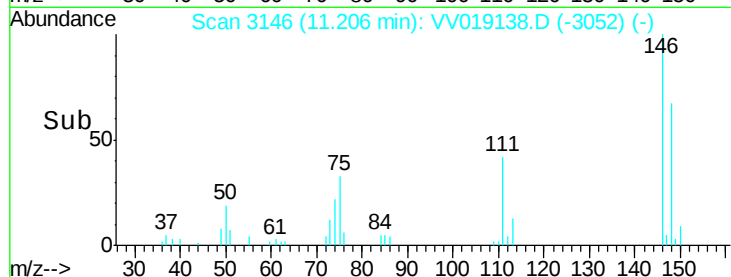
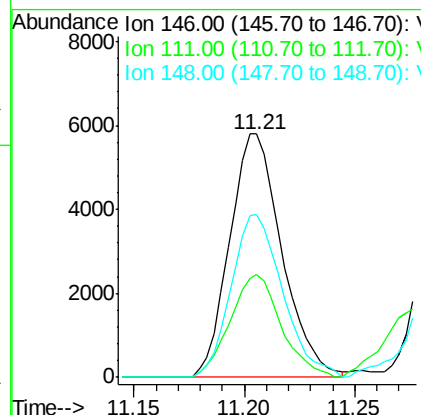
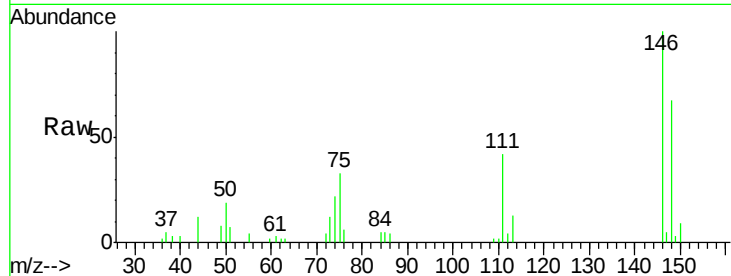
#62
 1,3-Dichlorobenzene
 Concen: 2.634 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.8	53.4
148	67.2	44.5	82.7

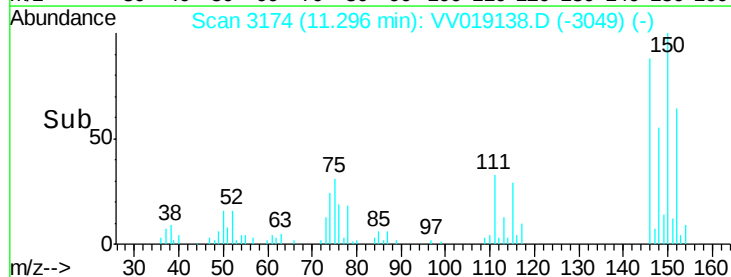
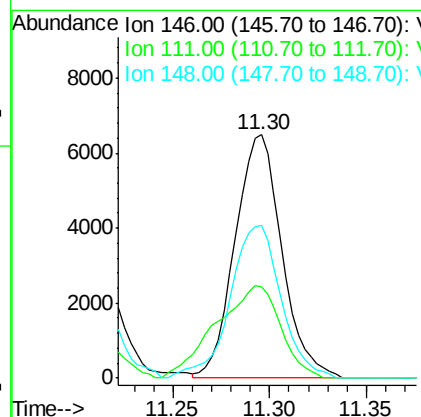
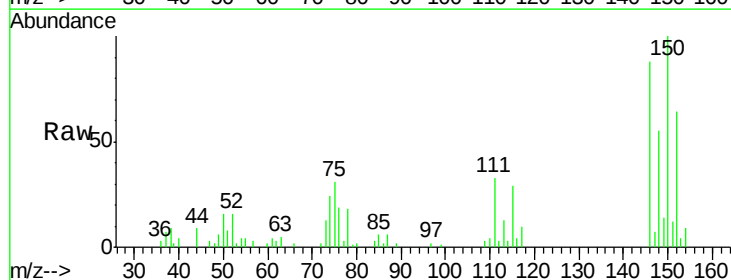
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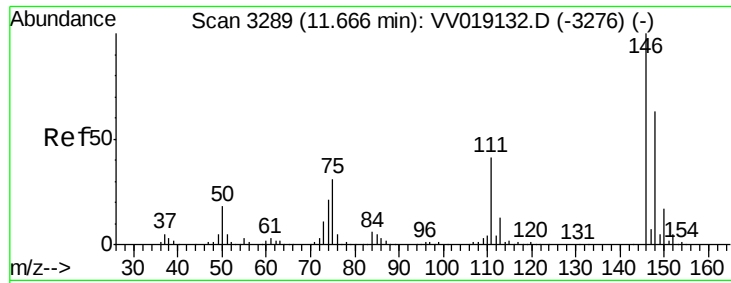
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#63
 1,4-Dichlorobenzene
 Concen: 2.888 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	27.8	51.6
148	62.5	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 2.855 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Instrument :

MSVOA_V

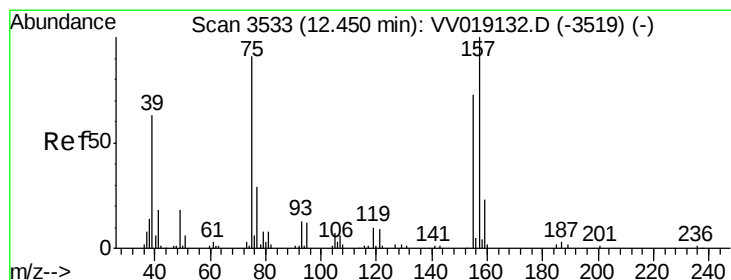
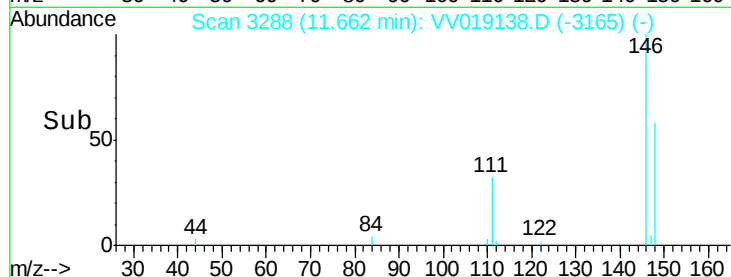
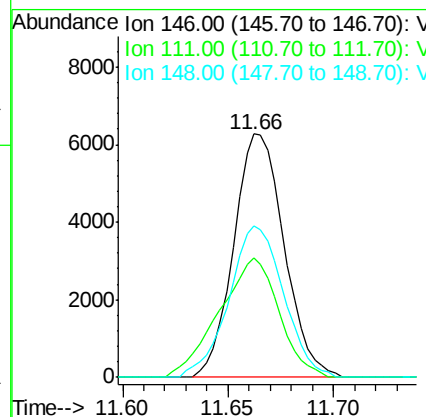
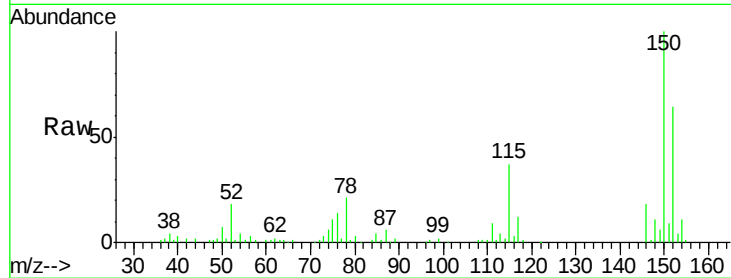
ClientSampled :

MDL03

Tot Ion:	146	Resp:	10412
Ion Ratio	Lower	Upper	
146	100		
111	48.9	33.3	49.9
148	62.2	51.1	76.7

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.143 ug/L

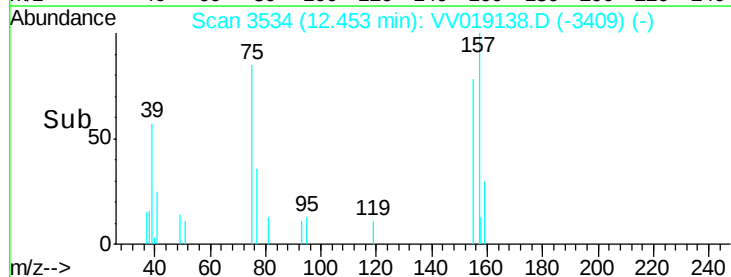
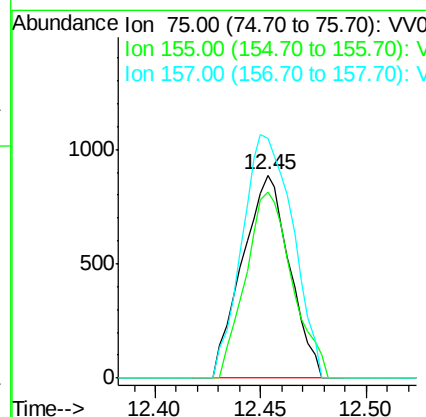
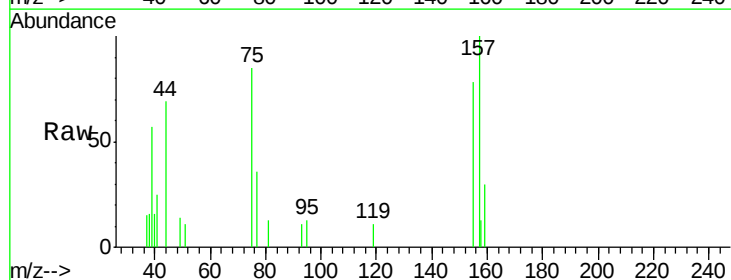
RT: 12.45 min Scan# 3534

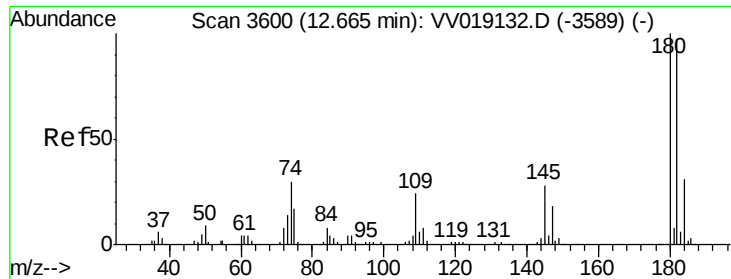
Delta R.T. 0.00 min

Lab File: VV019138.D

Acq: 28 Oct 2020 16:46

Tgt Ion:	75	Resp:	1381
Ion Ratio	Lower	Upper	
75	100		
155	92.0	62.2	93.4
157	118.0	79.9	119.9





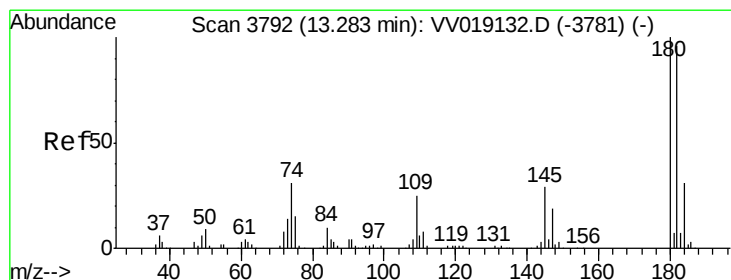
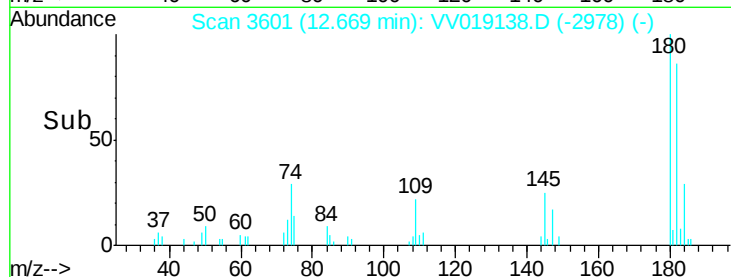
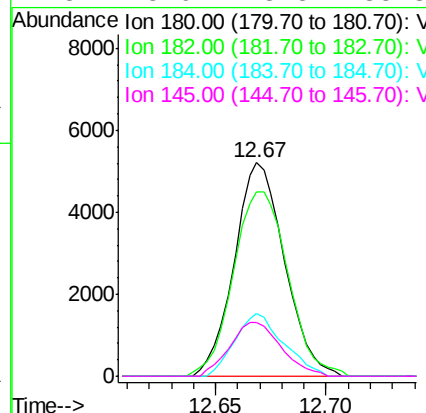
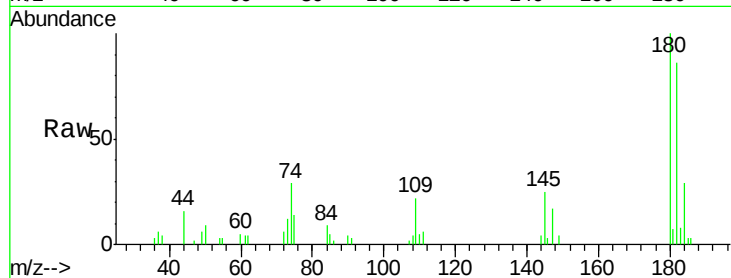
#67
 1,3,5-Trichlorobenzene
 Concen: 3.332 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.4	116.0
184	28.6	24.7	37.1
145	25.9	23.5	35.3

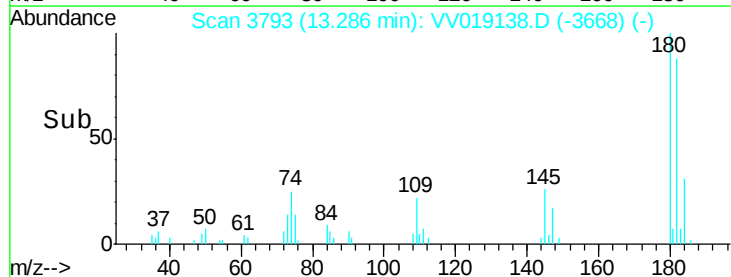
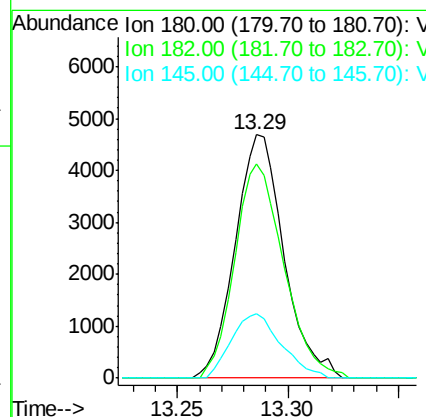
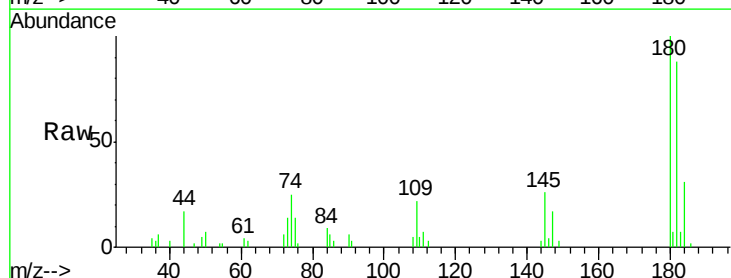
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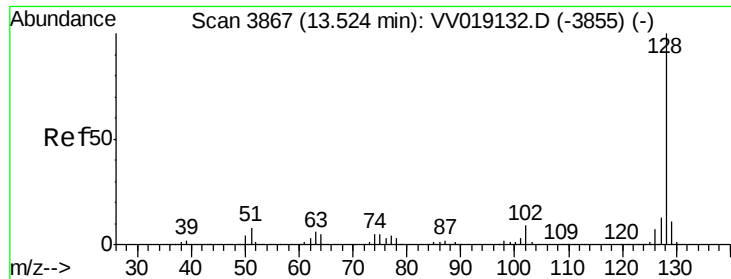
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#68
 1,2,4-trichlorobenzene
 Concen: 3.086 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019138.D
 Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.9	77.4	116.2
145	27.1	23.7	35.5





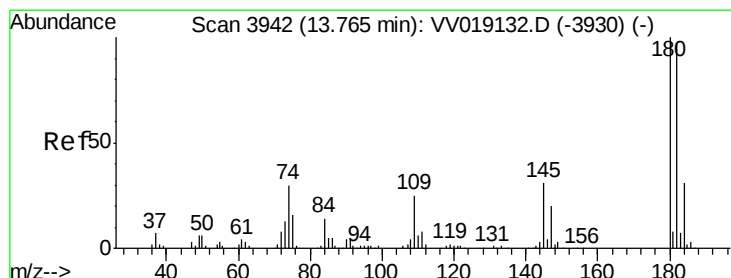
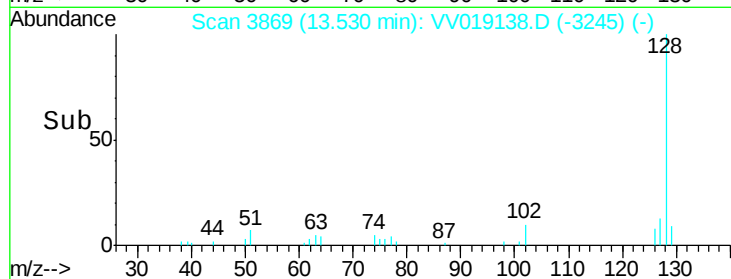
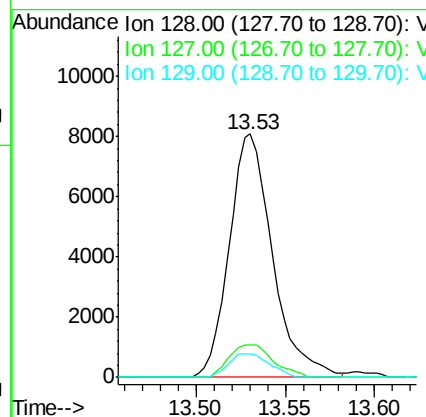
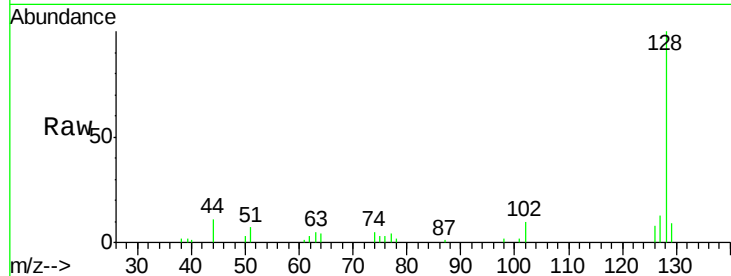
#69
Naphthalene
Concen: 1.903 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	9.2	8.7	13.1

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 2.490 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VV019138.D
Acq: 28 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	29.2	25.6	38.4

