

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018189.D
 Acq On : 10 Sep 2020 19:19
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:29:17 AM

Quant Time: Sep 11 03:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286518	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	285863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144311	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96292	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.58	69	84510	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.46%
11) 1,1-Dichloroethene-d2	2.12	63	147331	34.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.80%
21) 2-Butanone-d5	3.91	46	142838	99.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.94%
24) Chloroform-d	4.38	84	182710	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	127349	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.08	84	379919	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	6.10	67	124545	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.80%
41) Toluene-d8	7.34	98	343204	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%
43) trans-1,3-Dichloropropene-	7.64	79	59648	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
47) 2-Hexanone-d5	8.11	63	89468	90.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	151178	46.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	147308	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4973	2.380	ug/L	95
3) Chloromethane	1.25	50	5705	2.501	ug/L	91
5) Vinyl chloride	1.32	62	5944	2.541	ug/L #	64
6) Bromomethane	1.53	94	3480	2.434	ug/L	99
8) Chloroethane	1.60	64	3597	2.454	ug/L	99
9) Trichlorofluoromethane	1.77	101	7983	2.480	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6238	3.226	ug/L #	82
12) 1,1-Dichloroethene	2.13	96	5890	3.131	ug/L #	1
13) Acetone	2.20	43	5685	4.967	ug/L	99
14) Carbon disulfide	2.31	76	14057	2.442	ug/L	97
15) Methyl Acetate	2.46	43	4952	2.408	ug/L	94
16) Methylene chloride	2.53	84	9277	4.397	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	4491	2.316	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	13773	2.296	ug/L	99
19) 1,1-Dichloroethane	3.22	63	9058	2.471	ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	5166	2.493	ug/L	96
22) 2-Butanone	4.02	43	6059m	4.471	ug/L	

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

23) Bromochloromethane	4.29	128	2628m	2.424	ug/L	
25) Chloroform	4.41	83	17319	4.648	ug/L	99
27) 1,2-Dichloroethane	5.17	62	7381	2.559	ug/L	100
29) Cyclohexane	4.70	56	7208	2.184	ug/L	95
30) 1,1,1-Trichloroethane	4.64	97	7467	2.251	ug/L	96
31) Carbon tetrachloride	4.86	117	6710	2.300	ug/L	96
33) Benzene	5.13	78	19646	2.404	ug/L	100
34) Trichloroethene	5.95	95	5649	2.537	ug/L	98
35) Methylcyclohexane	6.16	83	7694	2.295	ug/L	98
37) 1,2-Dichloropropane	6.21	63	4782	2.208	ug/L #	91
38) Bromodichloromethane	6.54	83	6686	2.372	ug/L	89
39) cis-1,3-Dichloropropene	7.05	75	6902	2.068	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	10969	4.175	ug/L	99
42) Toluene	7.41	91	20514	2.372	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	7798	2.400	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	4931	2.456	ug/L	93
46) Tetrachloroethene	8.00	164	4103	2.350	ug/L	95
48) 2-Hexanone	8.16	43	16095	7.770	ug/L	95
49) Dibromochloromethane	8.27	129	5037	2.235	ug/L	99
50) 1,2-Dibromoethane	8.38	107	4772	2.259	ug/L	97
51) Chlorobenzene	8.90	112	13676	2.435	ug/L	96
52) Ethylbenzene	9.04	91	20701	2.192	ug/L	99
53) m,p-Xylene	9.16	106	7697	2.184	ug/L	95
54) o-xylene	9.57	106	7188	2.117	ug/L	97
55) Styrene	9.59	104	11227	1.902	ug/L	99
56) Isopropylbenzene	9.95	105	18339	2.004	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7591	2.556	ug/L #	97
59) 1,2,3-Trichloropropane	10.30	75	6205	2.436	ug/L	98
61) Bromoform	9.76	173	3209	2.070	ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	10525	2.453	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	11446	2.595	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	11375	2.623	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.45	75	1244	2.032	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	7977	2.358	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	6735	2.236	ug/L	99
69) Naphthalene	13.53	128	13658	1.792	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	6792	2.289	ug/L	94

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

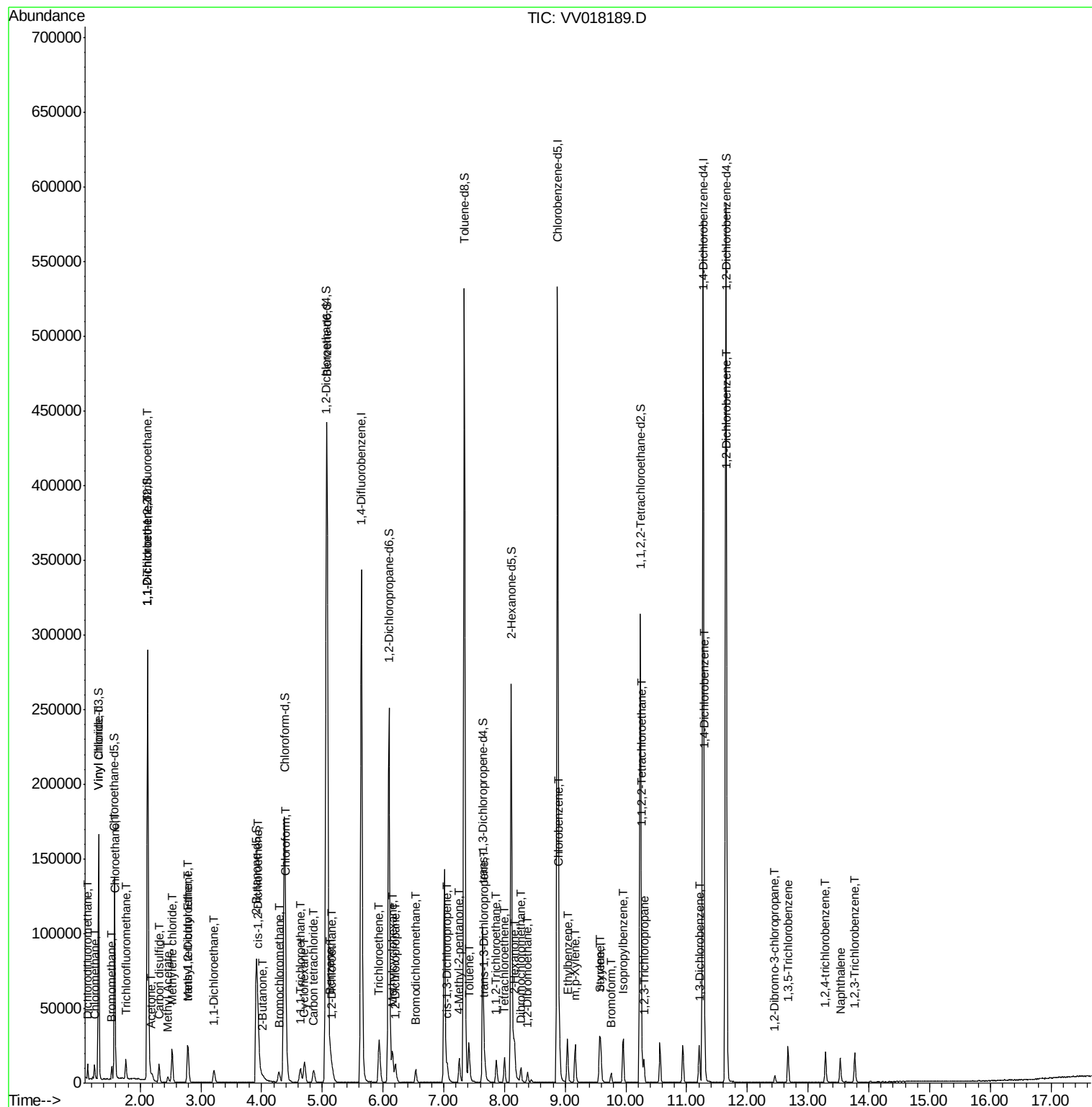
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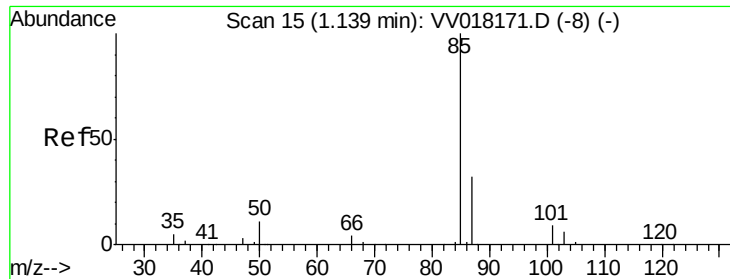
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#2

Dichlorodifluoromethane

Concen: 2.380 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 4973

Ion Ratio Lower Upper

85 100

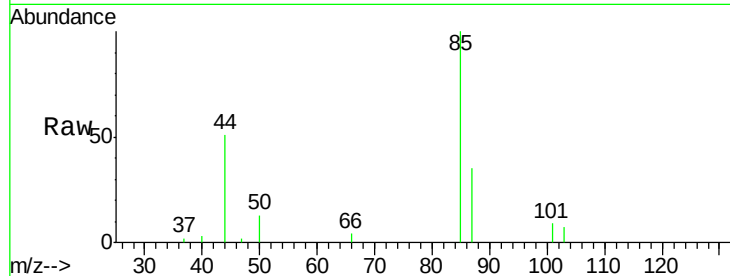
87 34.9 25.7 38.5

Manual Integrations

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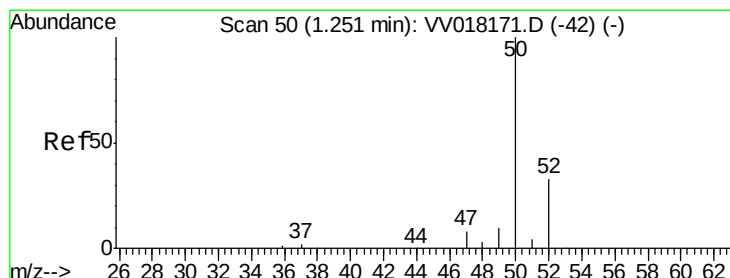
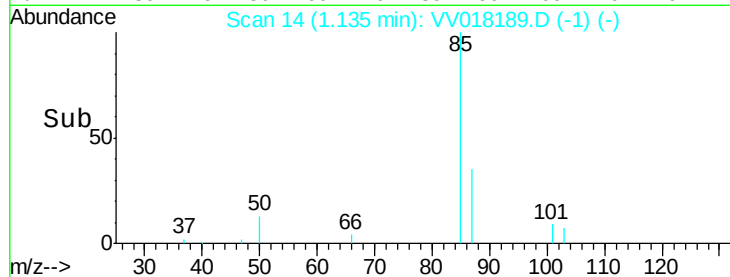
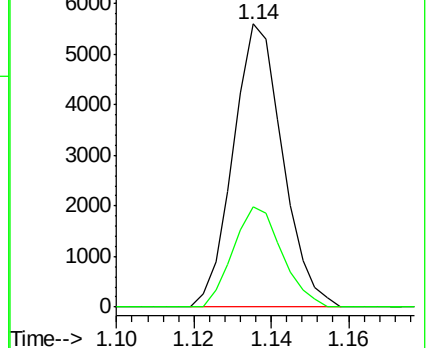
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.501 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018189.D

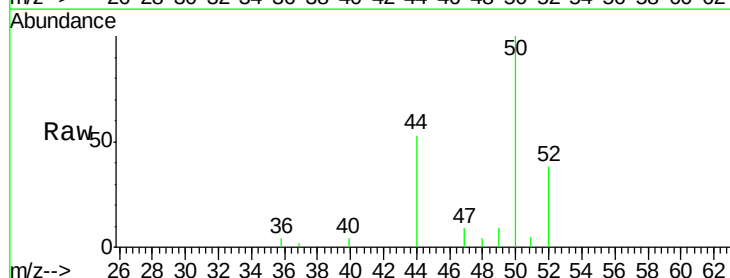
Acq: 10 Sep 2020 19:19

Tgt Ion: 50 Resp: 5705

Ion Ratio Lower Upper

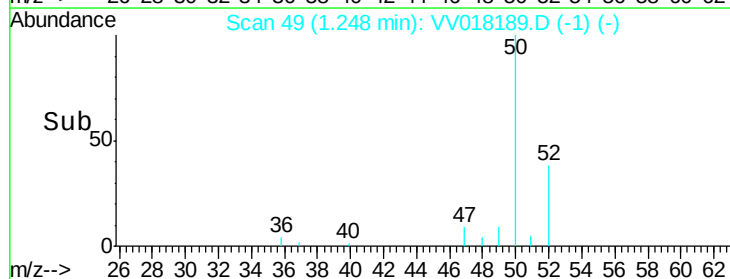
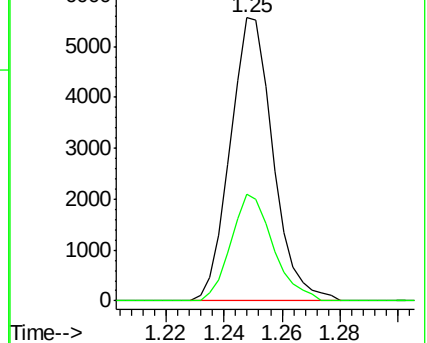
50 100

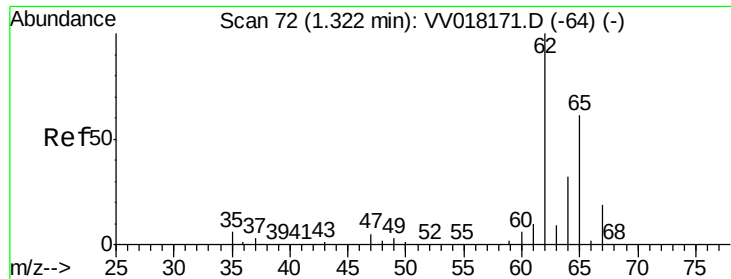
52 37.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.541 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 62 Resp: 5944

Ion Ratio Lower Upper

62 100

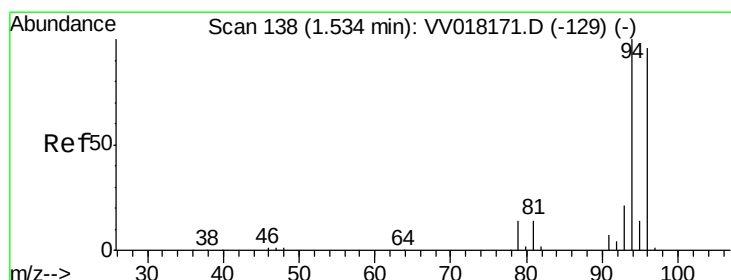
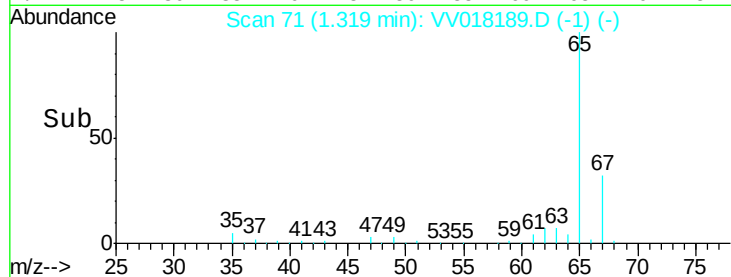
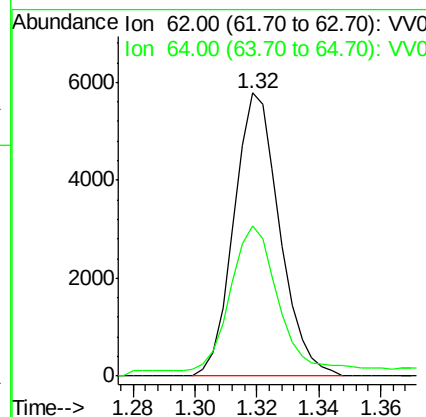
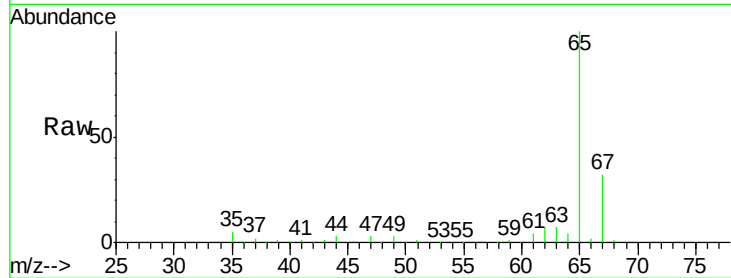
64 53.2 23.1 42.9#

Manual Integrations

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#6

Bromomethane

Concen: 2.434 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018189.D

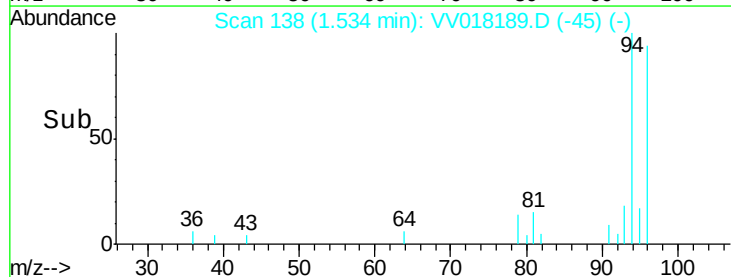
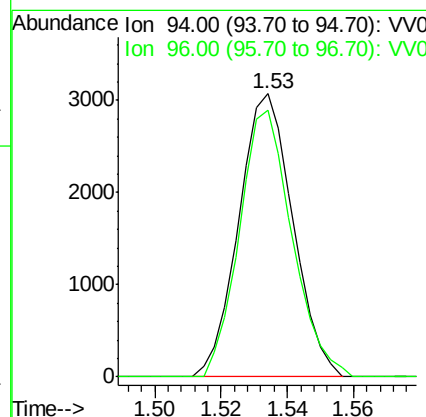
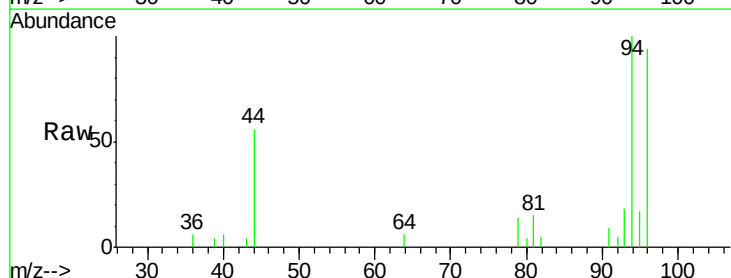
Acq: 10 Sep 2020 19:19

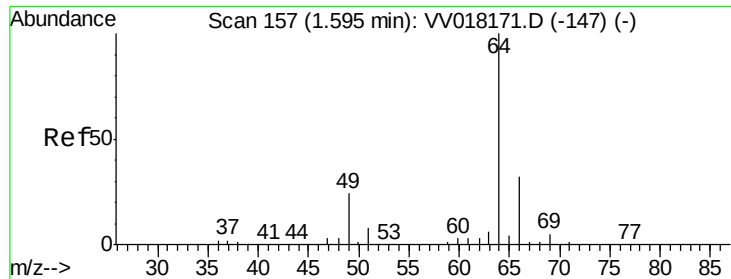
Tgt Ion: 94 Resp: 3480

Ion Ratio Lower Upper

94 100

96 94.2 65.1 120.9





#8

Chloroethane

Concen: 2.454 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 3597

Ion Ratio Lower Upper

64 100

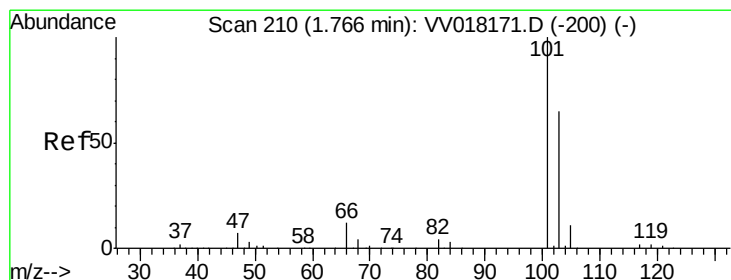
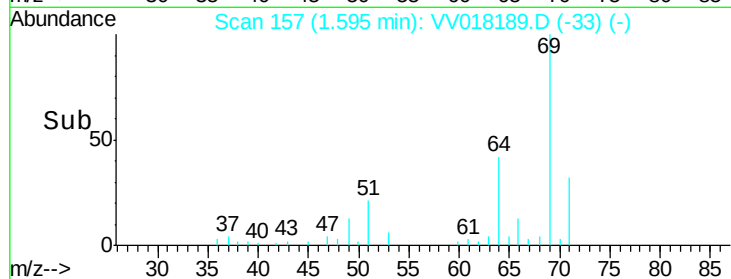
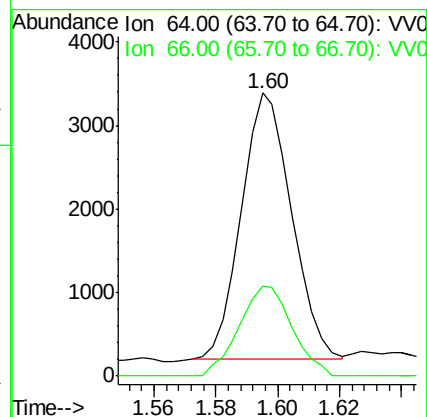
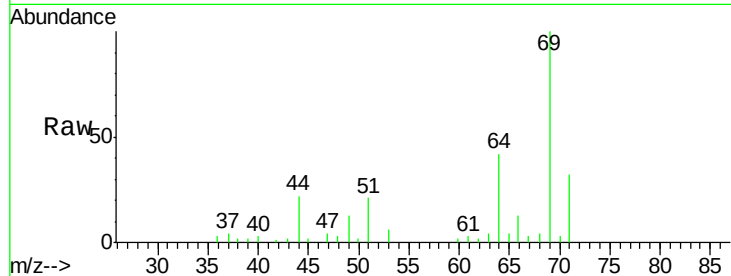
66 31.7 22.5 41.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.480 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018189.D

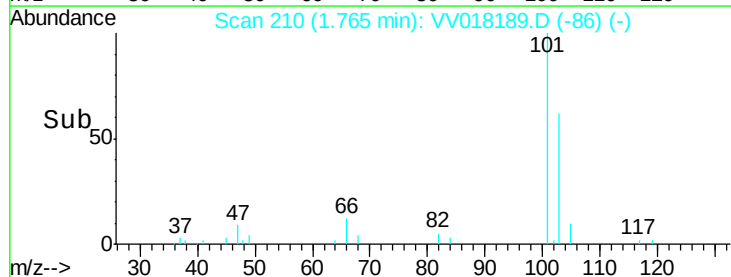
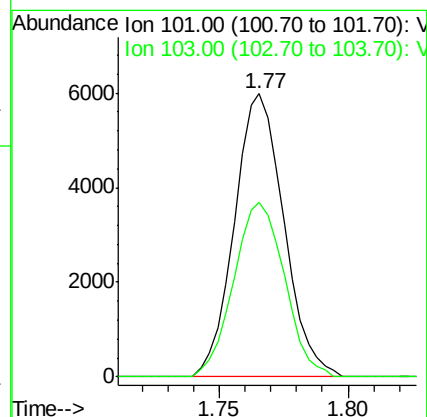
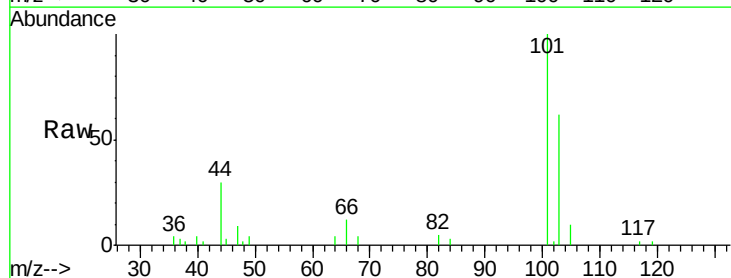
Acq: 10 Sep 2020 19:19

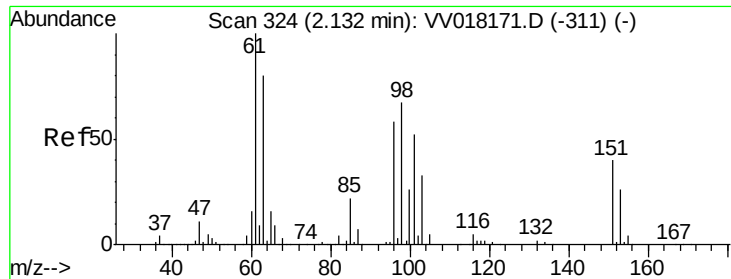
Tgt Ion: 101 Resp: 7983

Ion Ratio Lower Upper

101 100

103 63.3 51.8 77.6





#10

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

Concen: 3.226 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

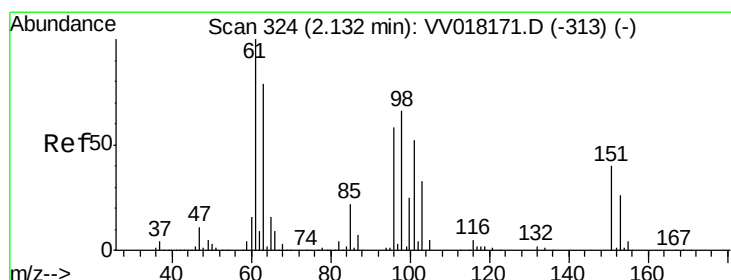
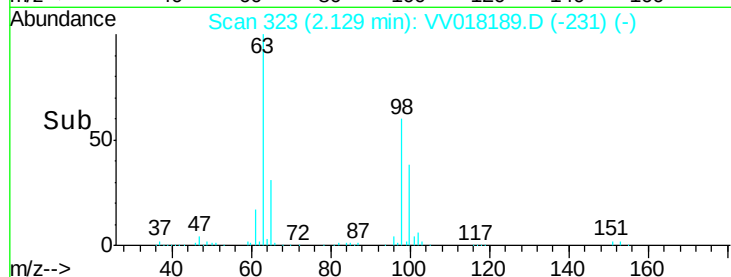
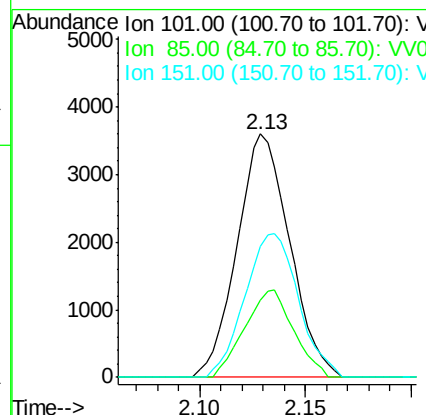
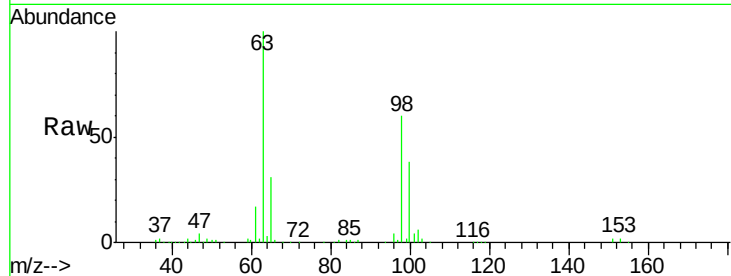
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	6238
Ion Ratio	Lower	Upper	
101	100		
85	33.3	33.5	50.3#
151	60.1	62.2	93.2#

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#12

1,1-Dichloroethene

Concen: 3.131 ug/L

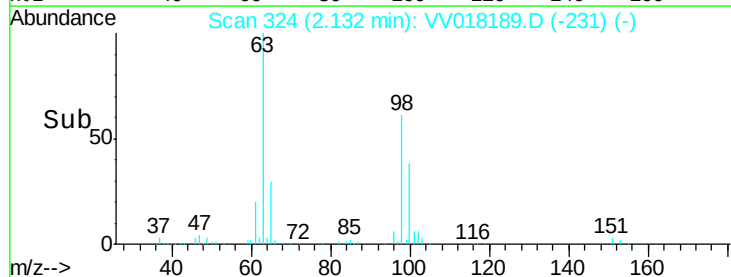
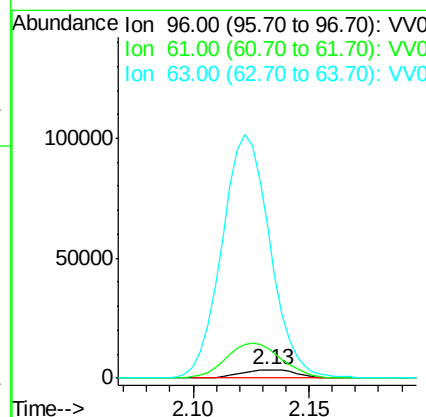
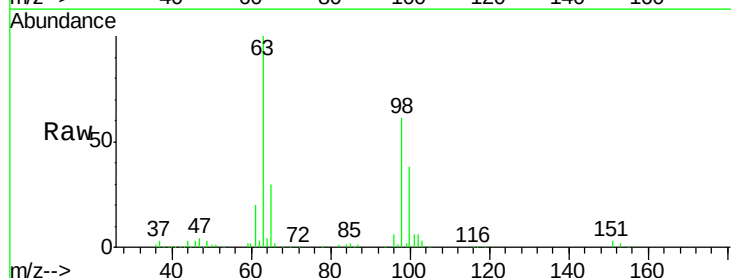
RT: 2.13 min Scan# 324

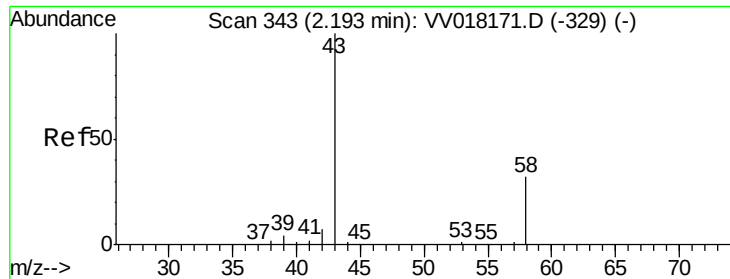
Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion:	96	Resp:	5890
Ion Ratio	Lower	Upper	
96	100		
61	337.5	122.9	228.3#
63	1720.4	91.9	170.7#





#13

Acetone

Concen: 4.967 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

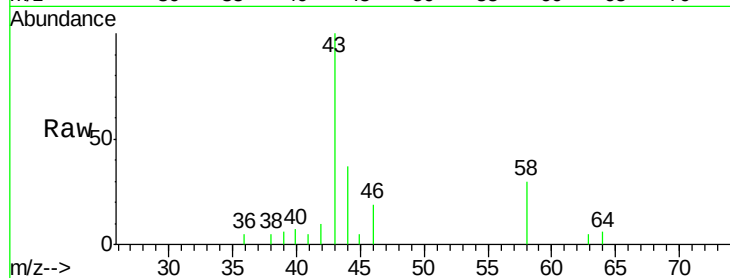
58 33.4 0.0 67.4

Manual Integrations

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9/11/2020 10:29:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

2500

2000

1500

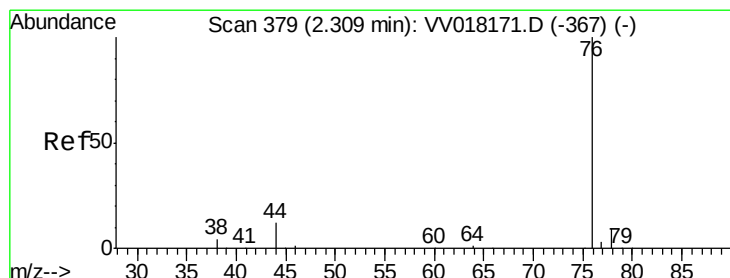
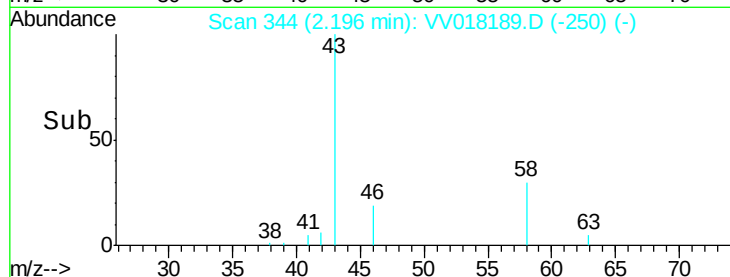
1000

500

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 2.442 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018189.D

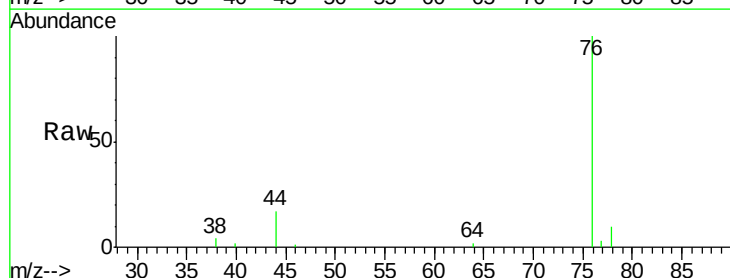
Acq: 10 Sep 2020 19:19

Tgt Ion: 76 Resp: 14057

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

10000

8000

6000

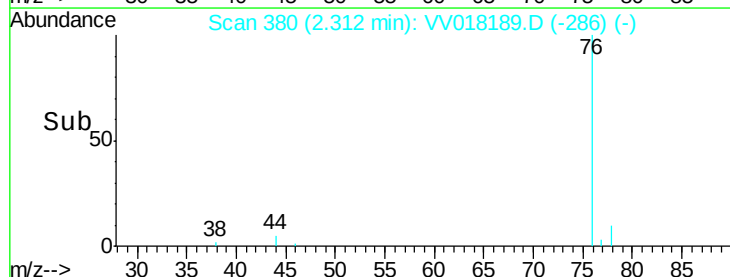
4000

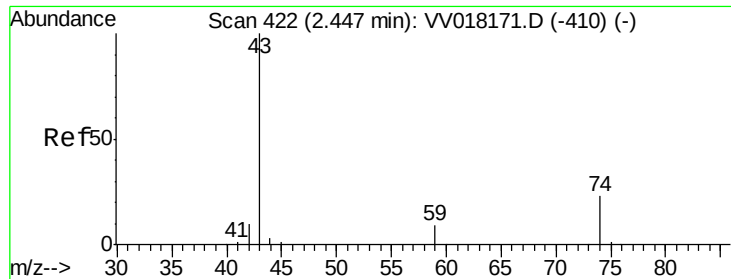
2000

0

Time-->

2.25 2.30 2.35





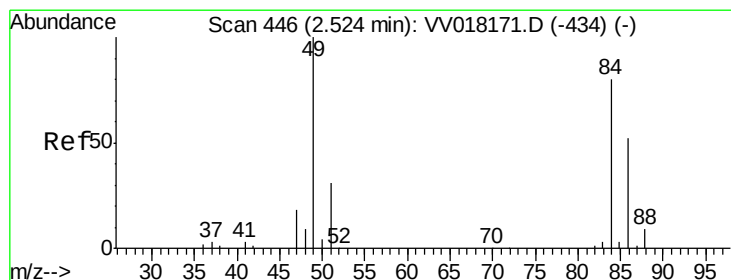
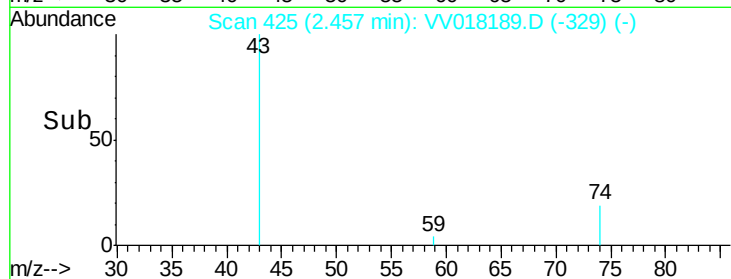
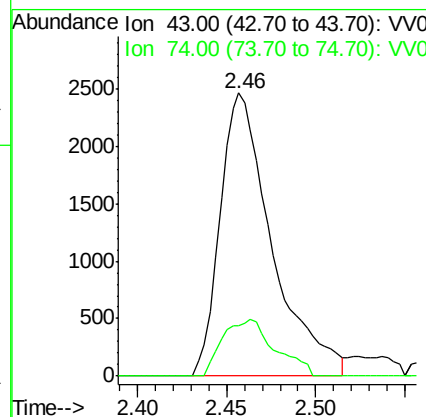
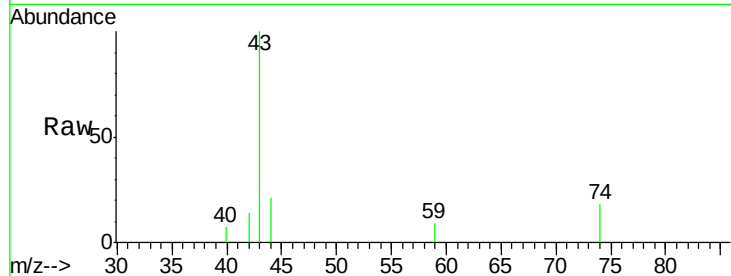
#15
Methyl Acetate
Concen: 2.408 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 43 Resp: 4952
Ion Ratio Lower Upper
43 100
74 20.3 18.4 27.6

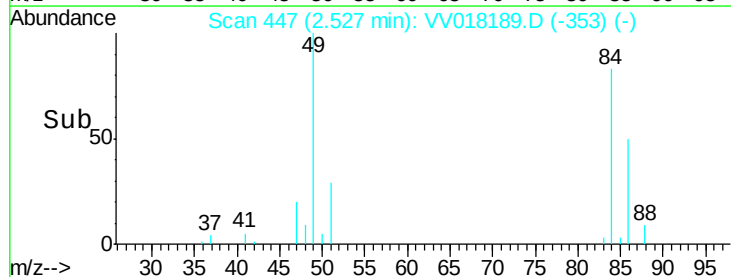
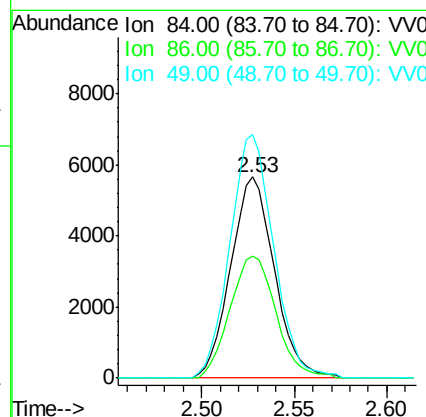
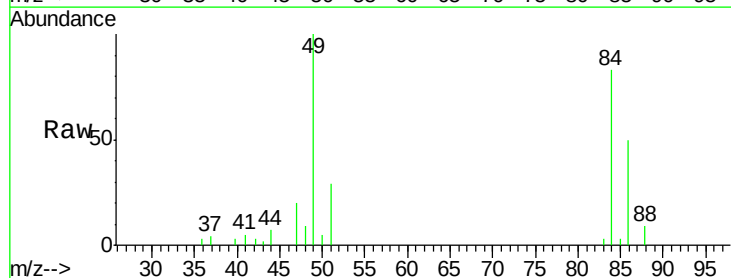
Manual Integrations
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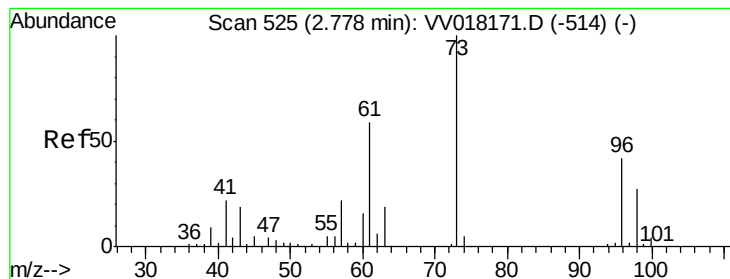
MMDadoda
9/11/2020 10:29:17 AM



#16
Methylene chloride
Concen: 4.397 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion: 84 Resp: 9277
Ion Ratio Lower Upper
84 100
86 61.0 44.4 82.4
49 121.1 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 2.316 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 96 Resp: 4491

Ion Ratio Lower Upper

96 100

61 144.2 100.7 186.9

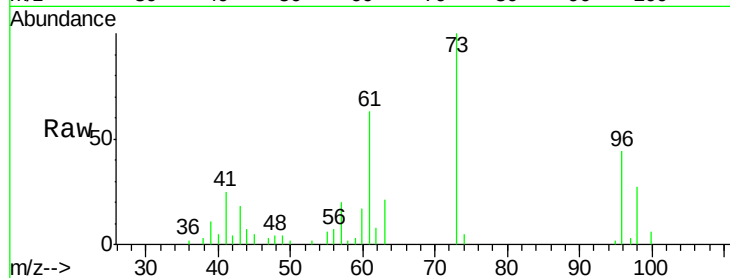
98 63.2 45.2 84.0

Manual Integrations

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MMDadoda

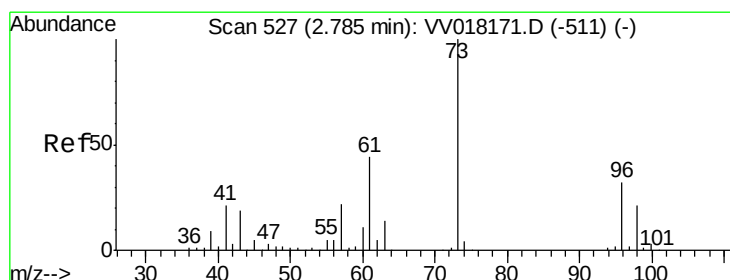
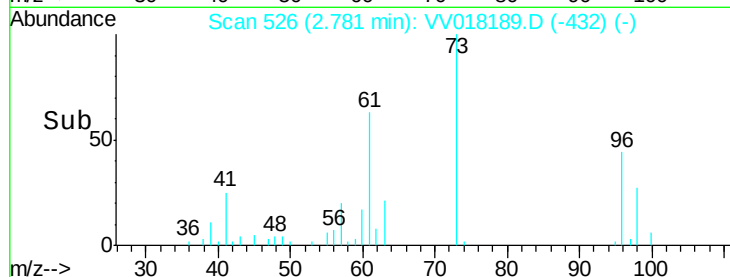
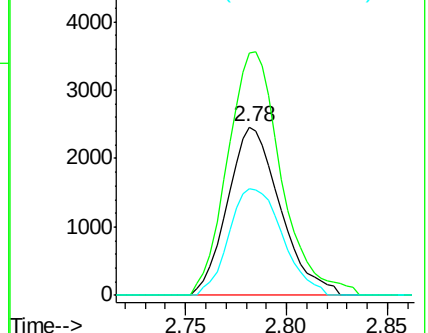
9/11/2020 10:29:17 AM



Abundance Ion 96.00 (95.70 to 96.70): VV018189.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018189.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018189.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 2.296 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

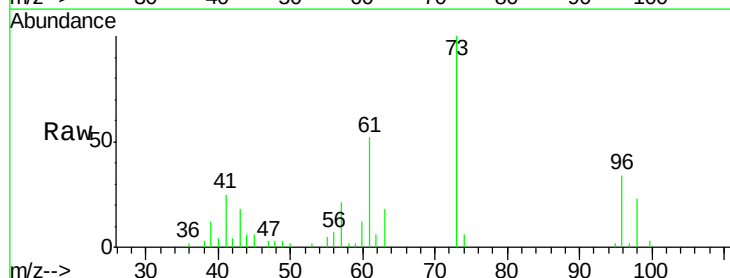
Tgt Ion: 73 Resp: 13773

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

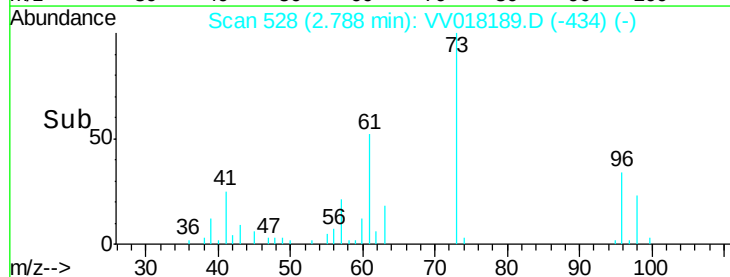
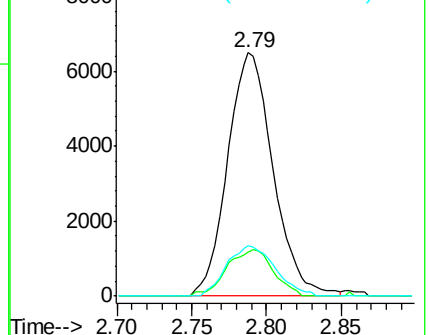
57 22.0 18.0 27.0

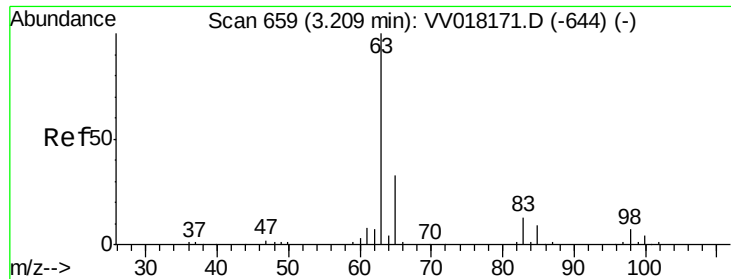


Abundance Ion 73.00 (72.70 to 73.70): VV018189.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018189.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018189.D (-434) (-)





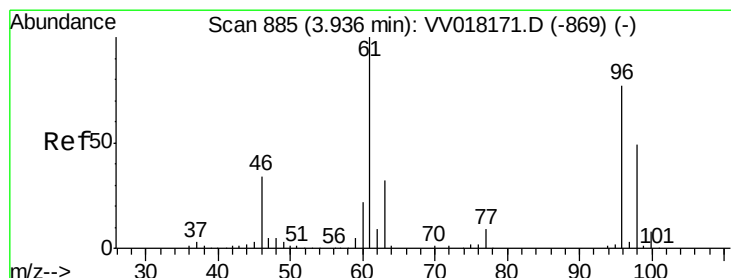
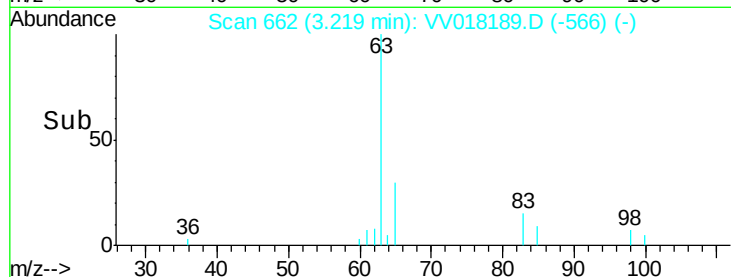
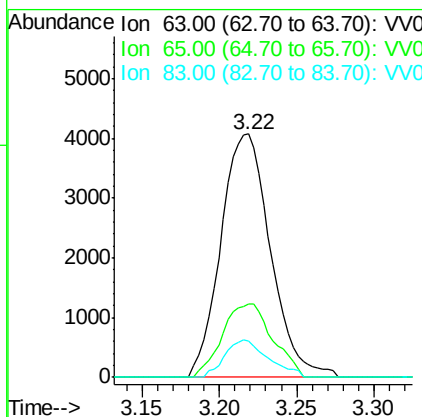
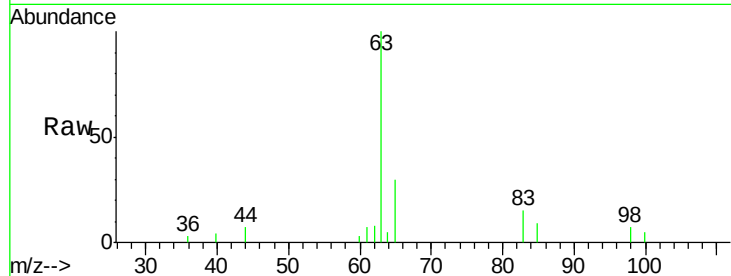
#19
 1,1-Dichloroethane
 Concen: 2.471 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.5	41.7
83	14.7	9.3	17.3

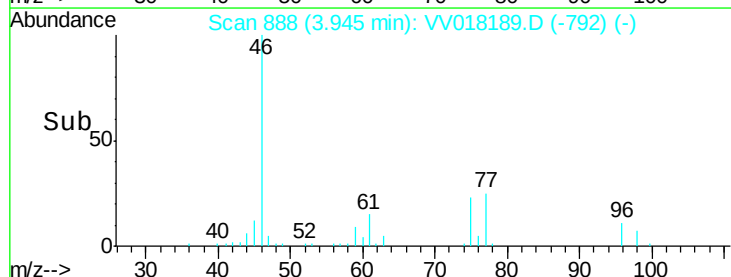
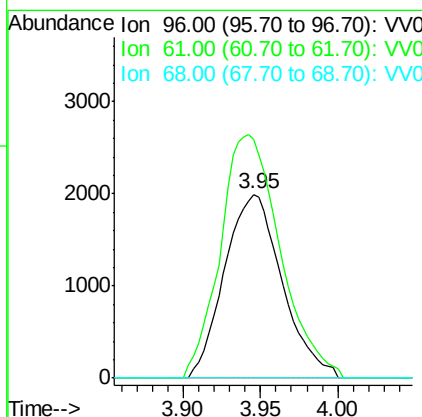
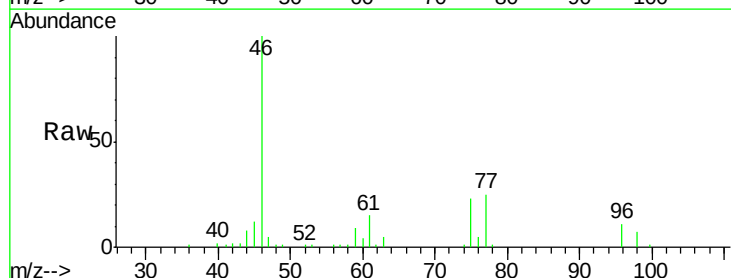
Manual Integrations
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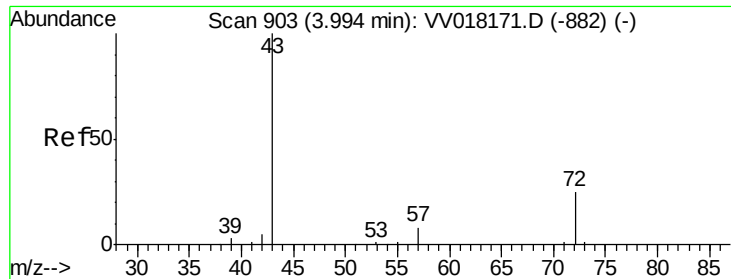
MMDadoda
 9/11/2020 10:29:17 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.493 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.4	93.6	173.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.471 ug/L m

RT: 4.02 min Scan# 912

Delta R.T. 0.03 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 43 Resp: 6059

Ion Ratio Lower Upper

43 100

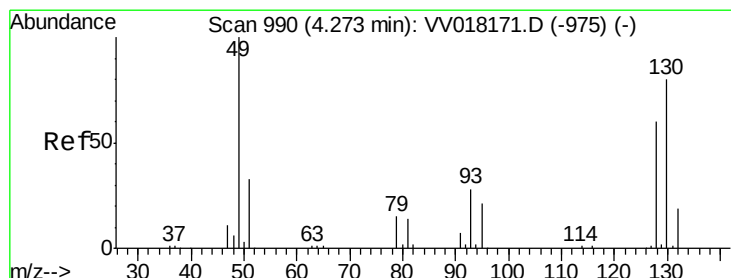
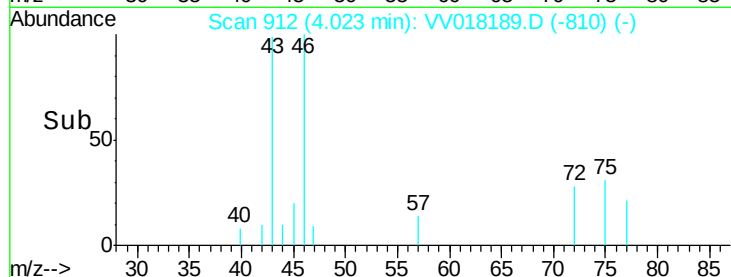
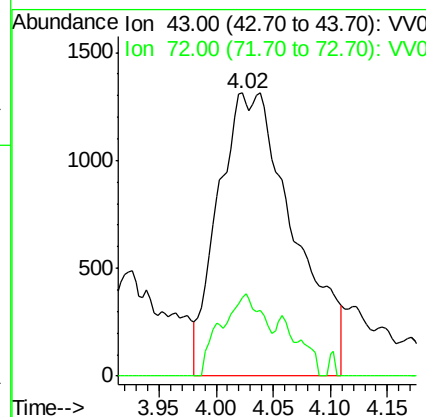
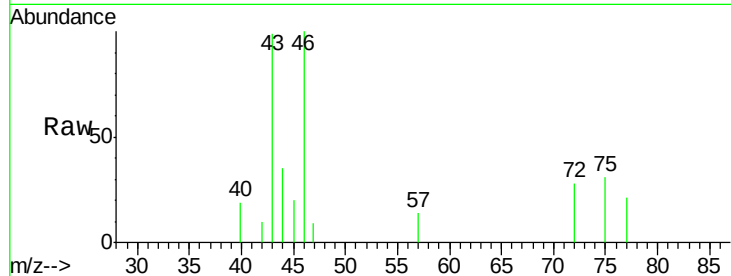
72 7.4 13.1 39.3#

Manual Integrations

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9/11/2020 10:29:17 AM



#23

Bromochloromethane

Concen: 2.424 ug/L m

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion: 128 Resp: 2628

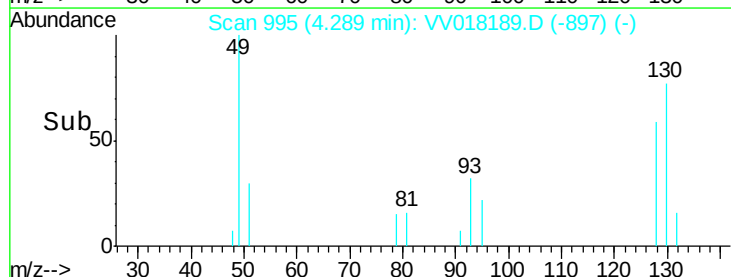
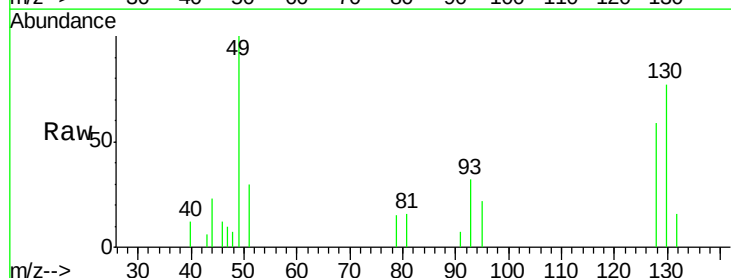
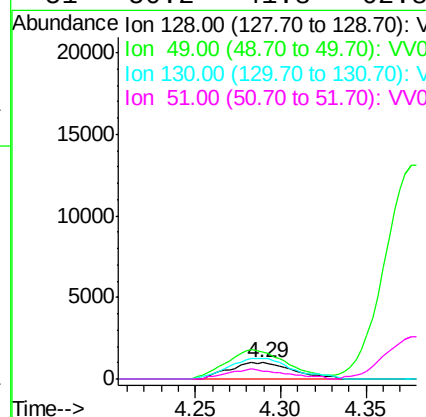
Ion Ratio Lower Upper

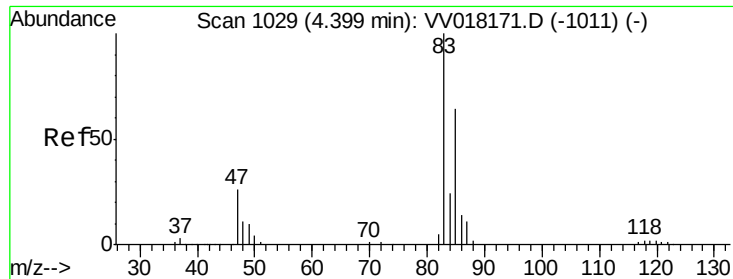
128 100

49 168.4 114.4 212.6

130 129.1 87.9 163.3

51 50.2 41.8 62.8





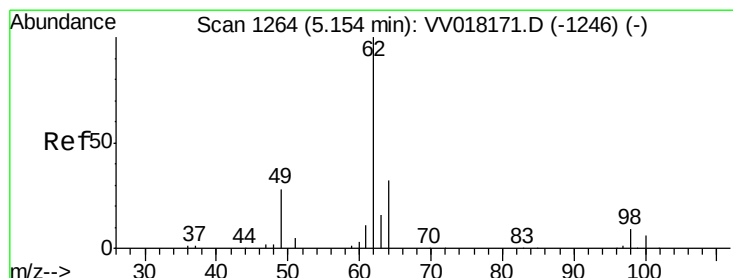
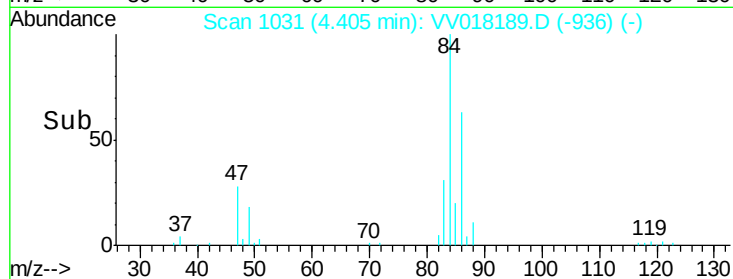
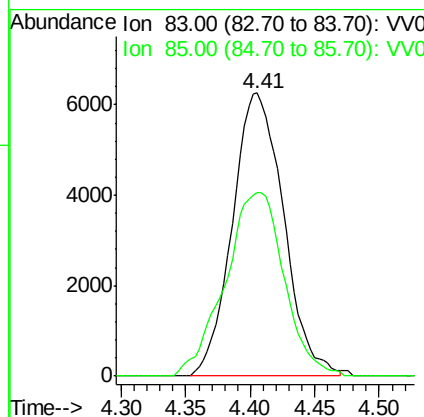
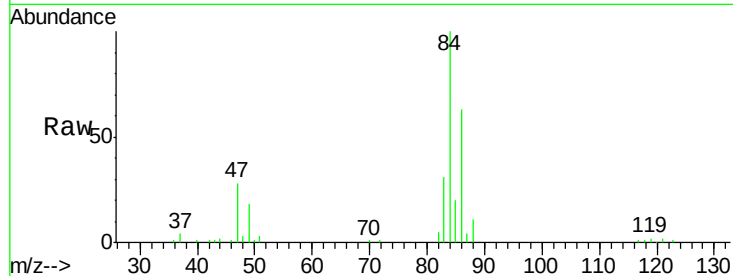
#25
Chloroform
Concen: 4.648 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 83 Resp: 17319
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6

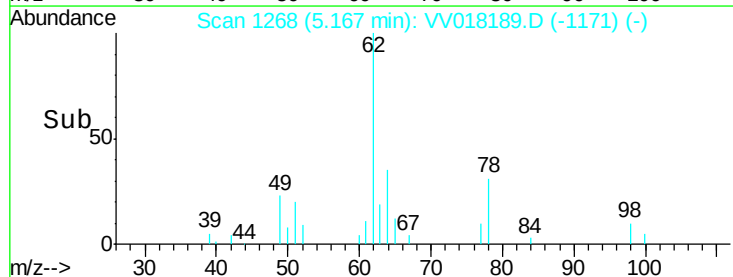
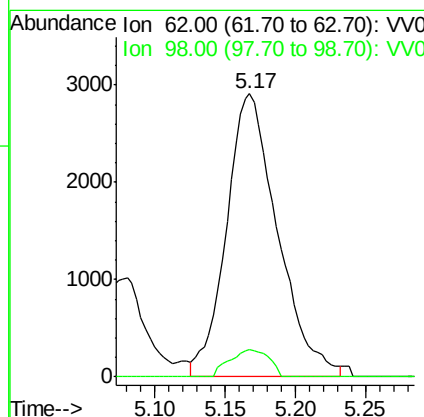
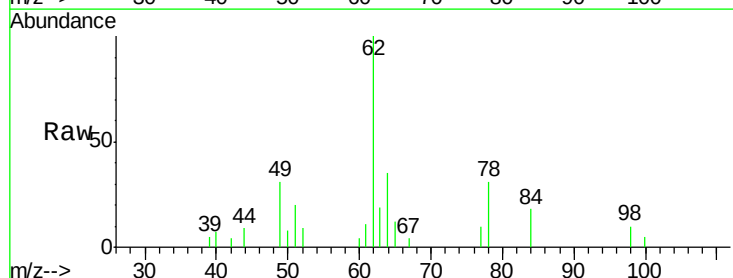
Manual Integrations
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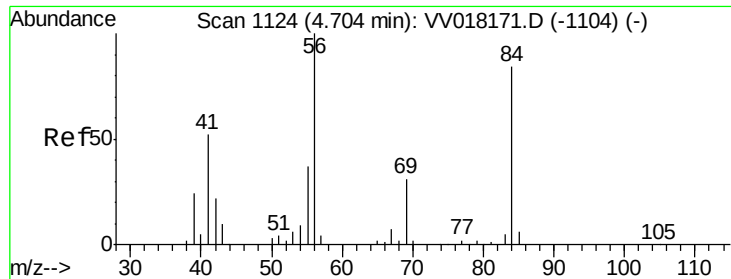
MMDadoda
9/11/2020 10:29:17 AM



#27
1,2-Dichloroethane
Concen: 2.559 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion: 62 Resp: 7381
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 2.184 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

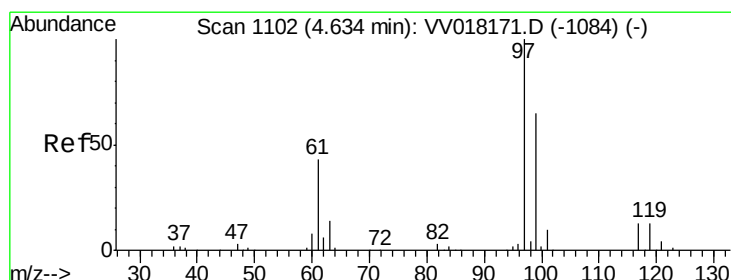
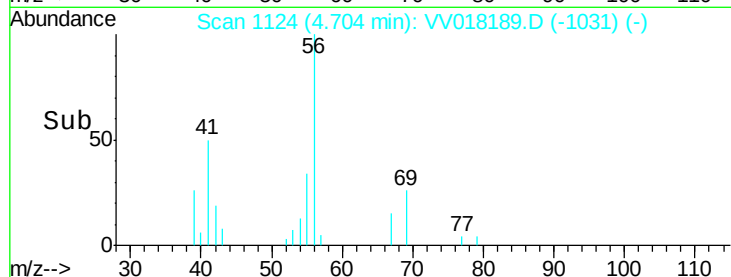
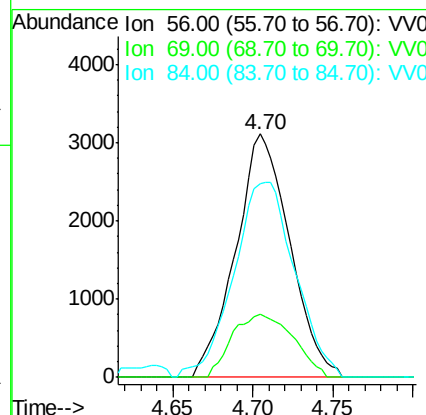
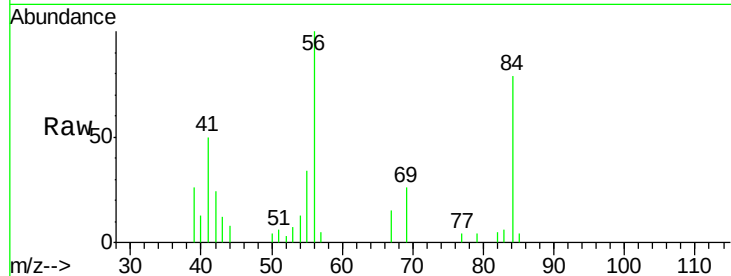
ClientSampled :

MDL07

Tot Ion:	56	Resp:	7208
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.2	36.2
84	90.7	68.3	102.5

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 2.251 ug/L

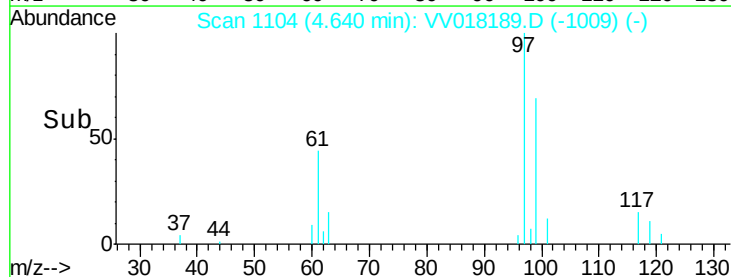
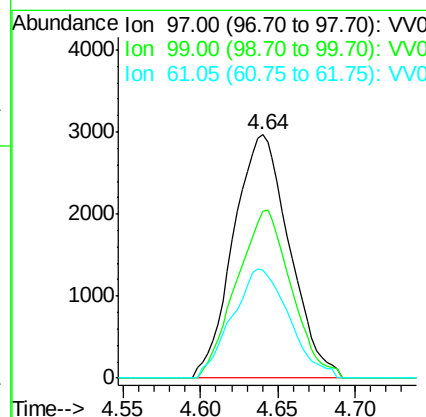
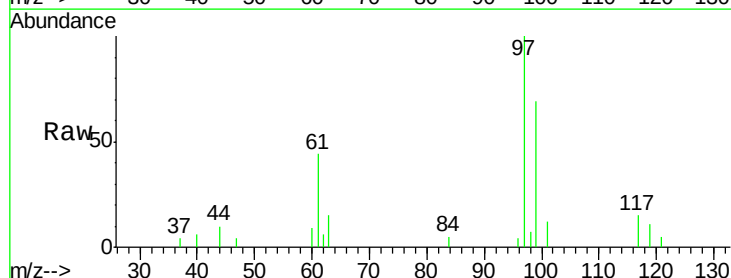
RT: 4.64 min Scan# 1104

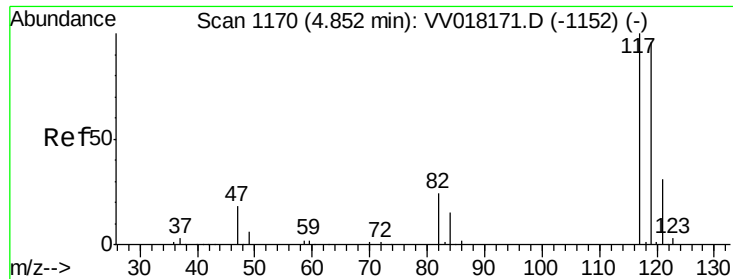
Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion:	97	Resp:	7467
Ion	Ratio	Lower	Upper
97	100		
99	67.7	51.6	77.4
61	45.4	34.9	52.3





#31

Carbon tetrachloride

Concen: 2.300 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion:117 Resp: 6710

Ion Ratio Lower Upper

117 100

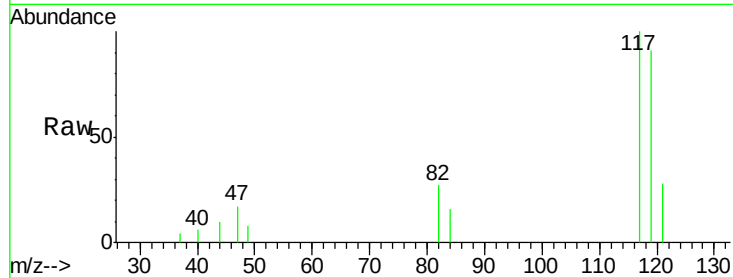
119 91.1 75.7 113.5

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

2500

2000

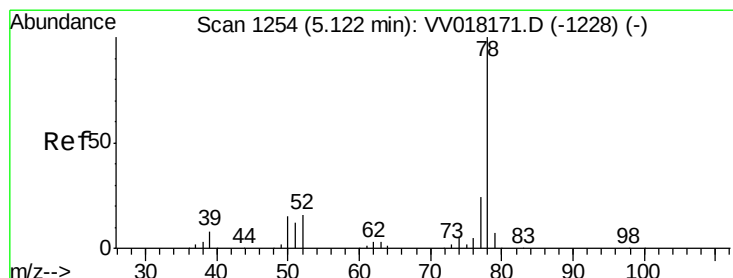
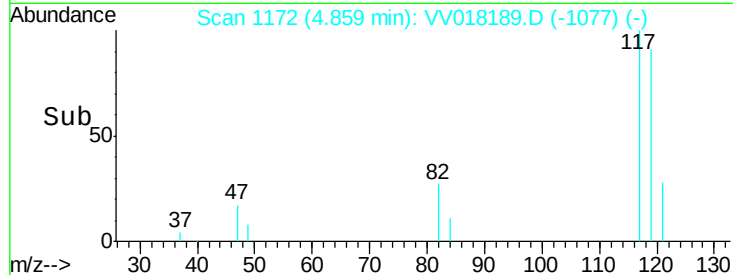
1500

1000

500

0

Time-->



#33

Benzene

Concen: 2.404 ug/L

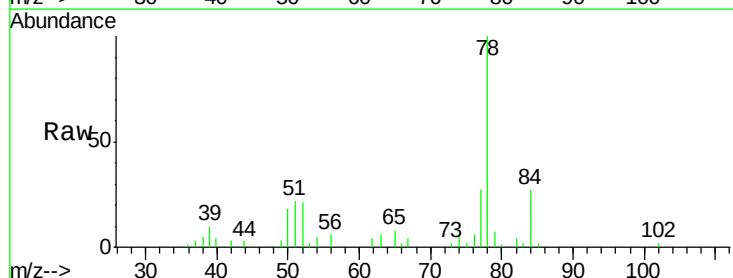
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion: 78 Resp: 19646



Abundance Ion 78.00 (77.70 to 78.70): VV0

8000

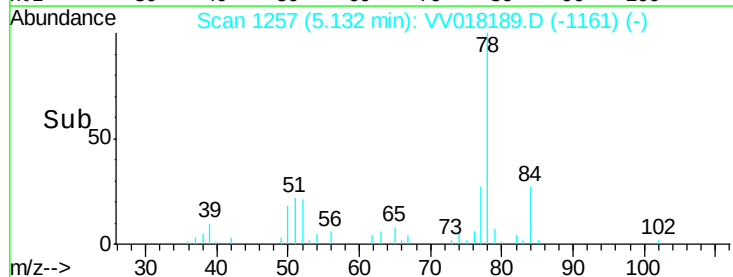
6000

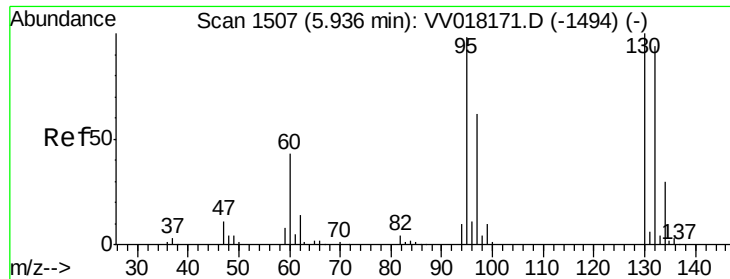
4000

2000

0

Time-->





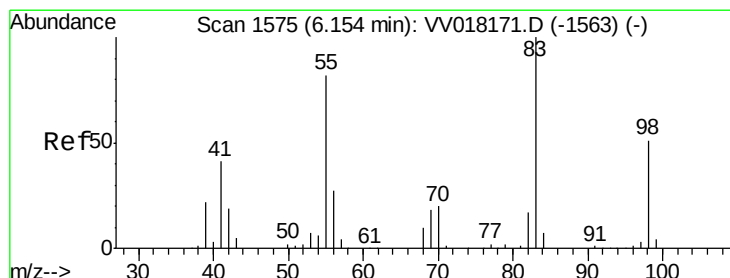
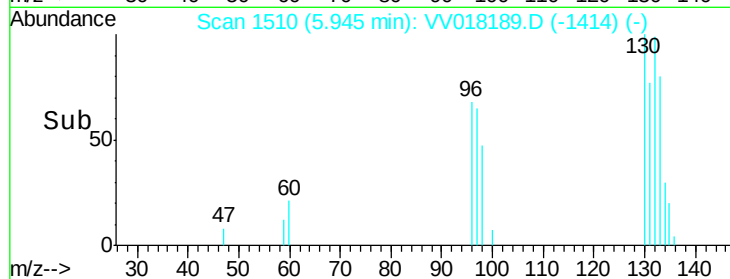
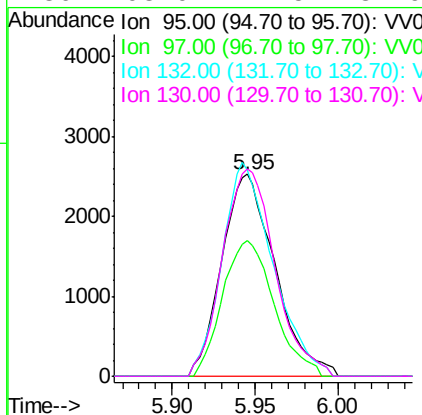
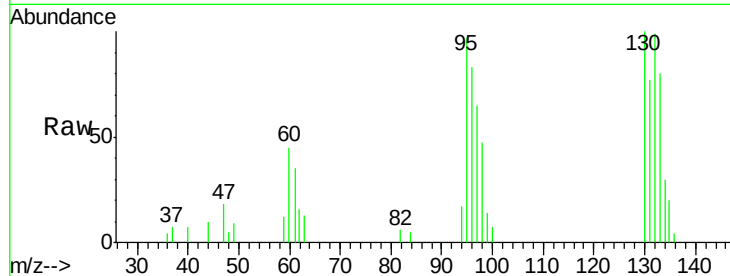
#34
 Trichloroethene
 Concen: 2.537 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		5649		
97	67.0	46.3		85.9	
132	102.1	68.1		126.5	
130	103.0	71.5		132.9	

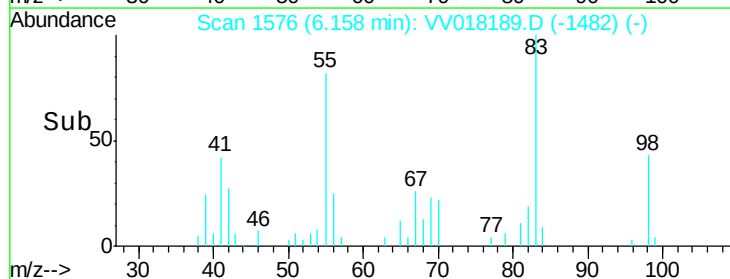
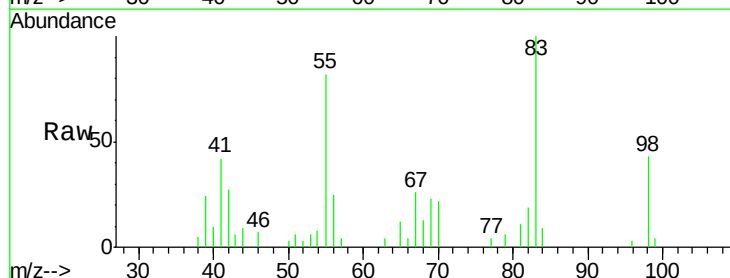
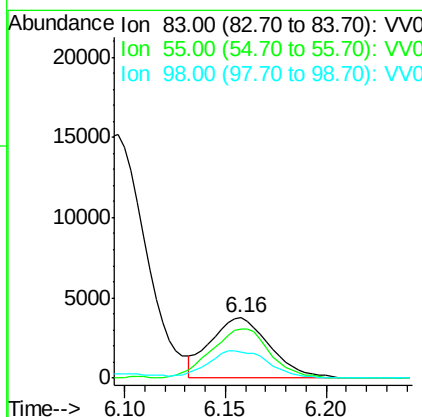
Manual Integrations
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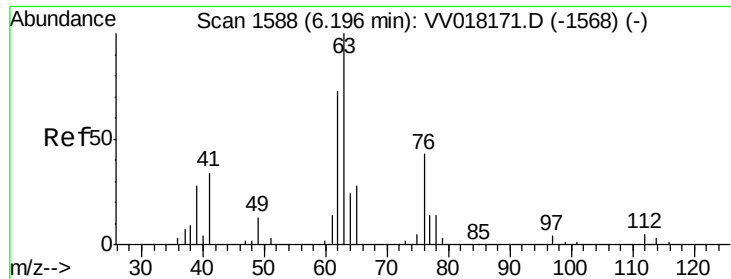
MMDadoda
 9/11/2020 10:29:17 AM



#35
 Methylcyclohexane
 Concen: 2.295 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		7694		
55	80.7	63.4		95.2	
98	46.5	38.8		58.2	





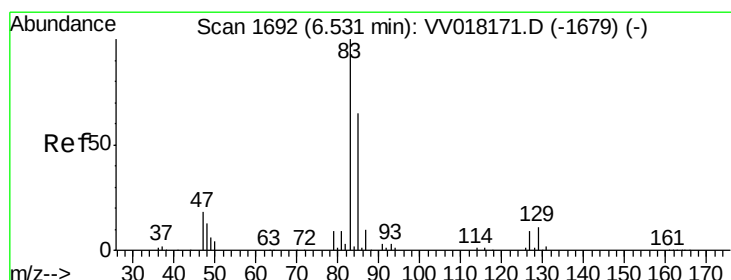
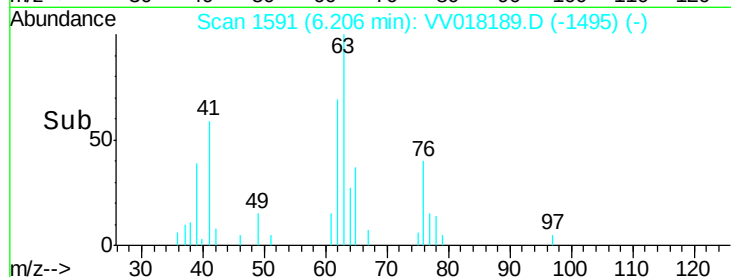
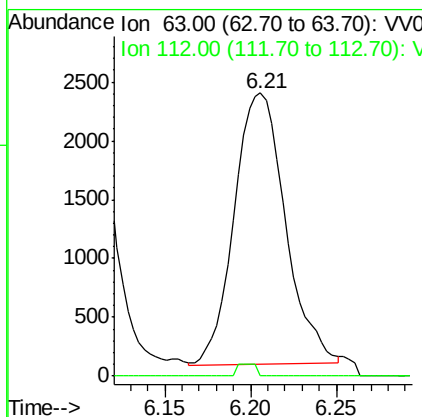
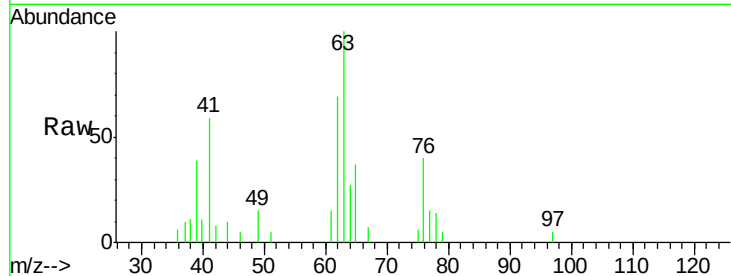
#37
 1,2-Dichloropropane
 Concen: 2.208 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion: 63 Resp: 4782
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.4 5.2#

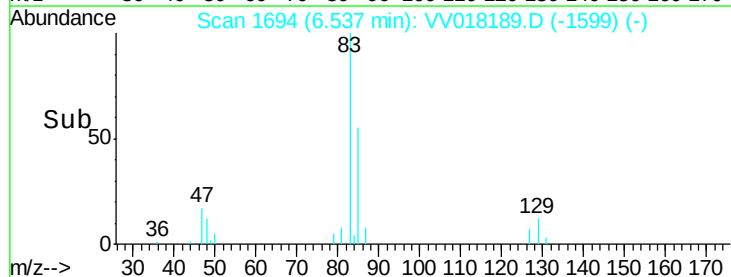
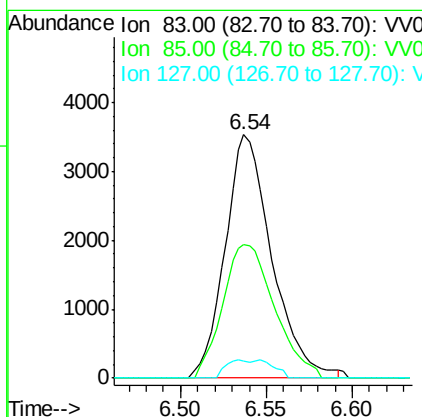
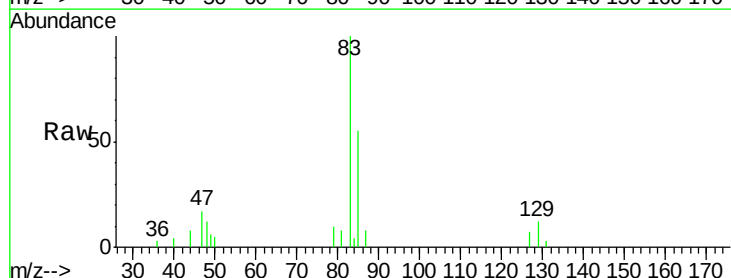
Manual Integrations
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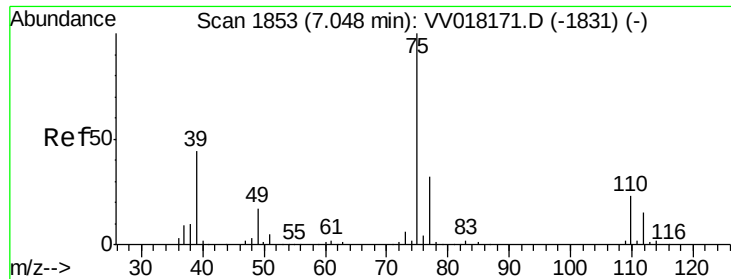
MMDadoda
 9/11/2020 10:29:17 AM



#38
 Bromodichloromethane
 Concen: 2.372 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion: 83 Resp: 6686
 Ion Ratio Lower Upper
 83 100
 85 54.8 44.7 82.9
 127 6.8 6.7 10.1





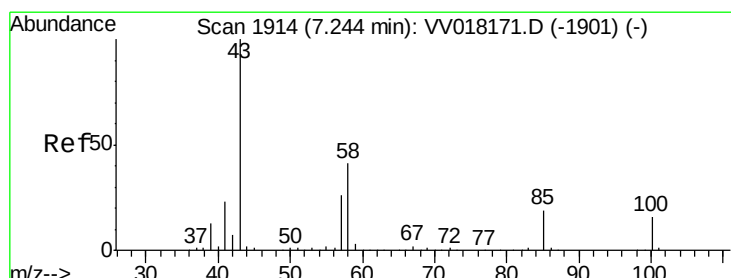
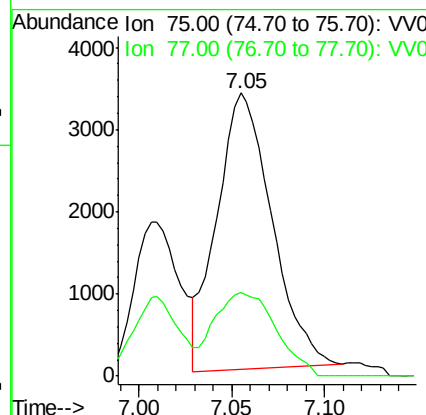
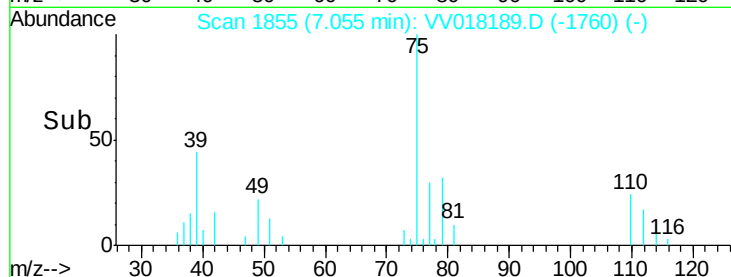
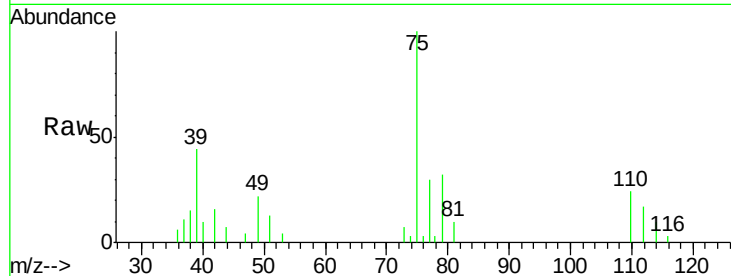
#39
 cis-1,3-Dichloropropene
 Concen: 2.068 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	22.3	41.3

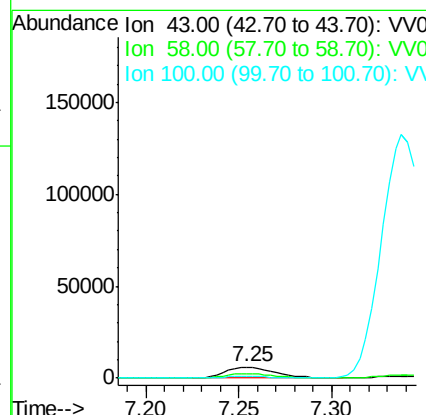
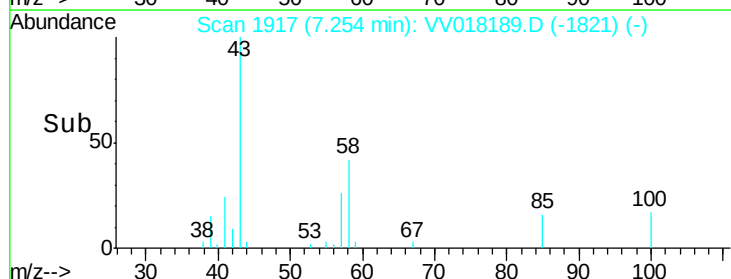
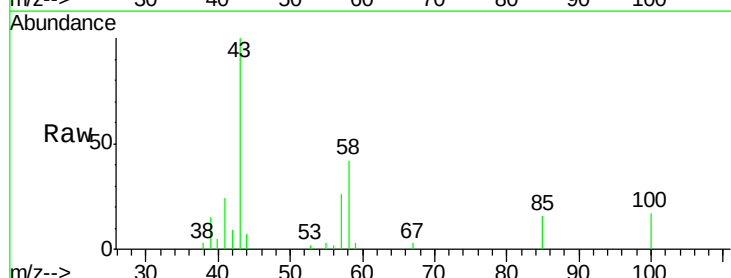
Manual Integrations
 APPROVED

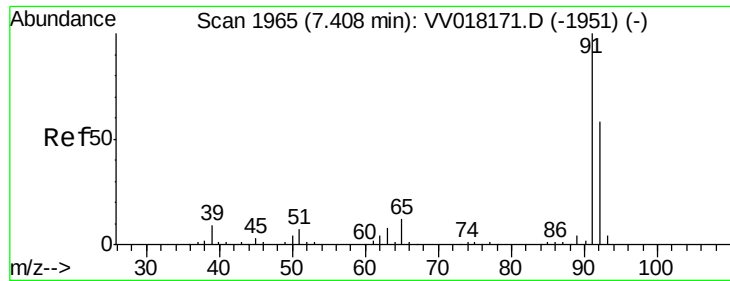
MMDadoda
 9/11/2020 10:29:17 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.175 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.4	48.6
100	16.0	12.7	19.1





#42

Toluene

Concen: 2.372 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 20514

Ion Ratio Lower Upper

91 100

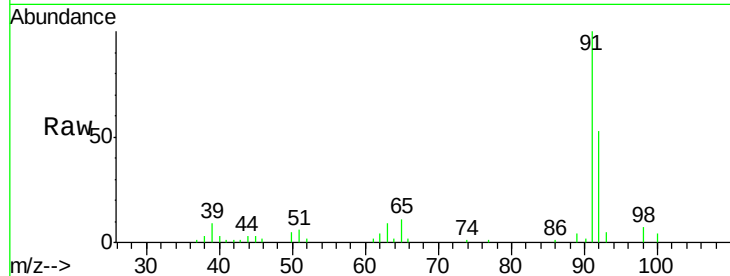
92 53.4 40.7 75.5

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

12000

10000

8000

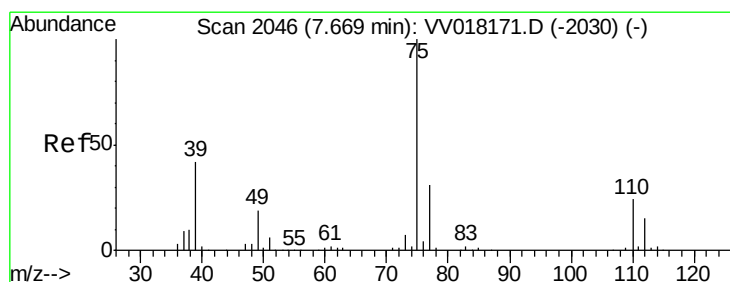
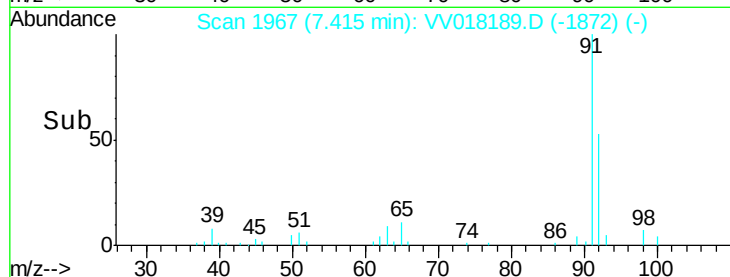
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.400 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018189.D

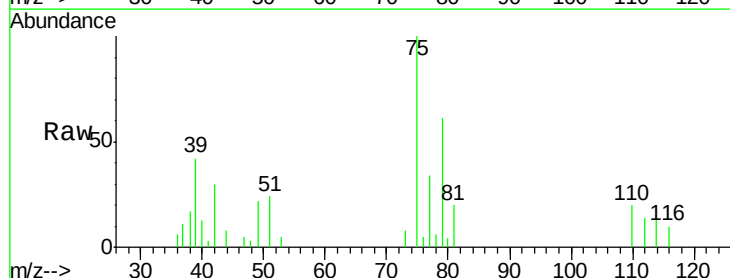
Acq: 10 Sep 2020 19:19

Tgt Ion: 75 Resp: 7798

Ion Ratio Lower Upper

75 100

77 34.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

4000

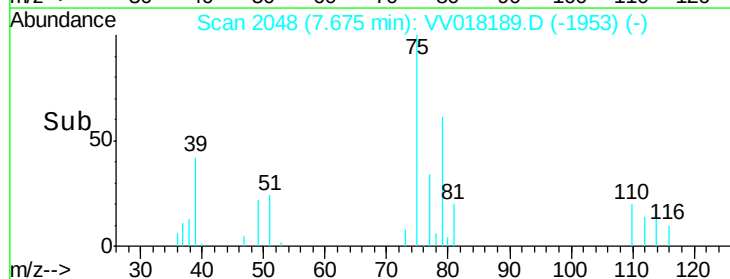
3000

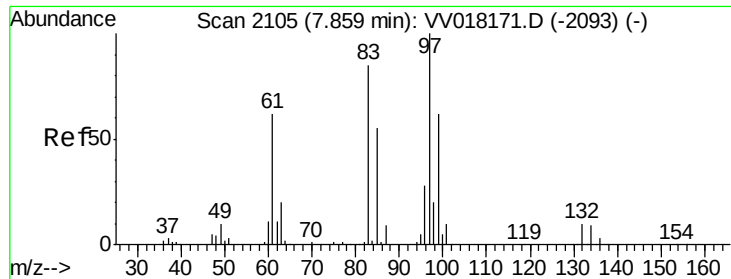
2000

1000

0

Time-->





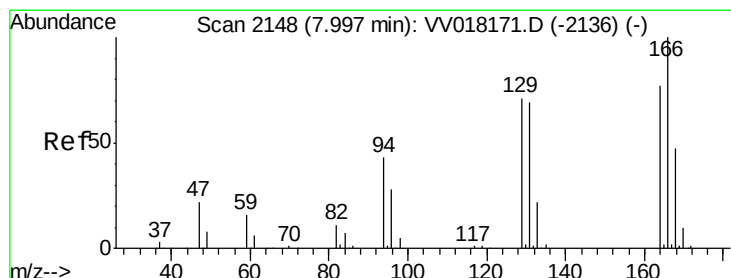
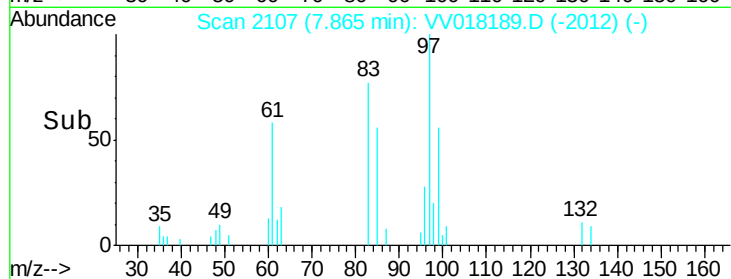
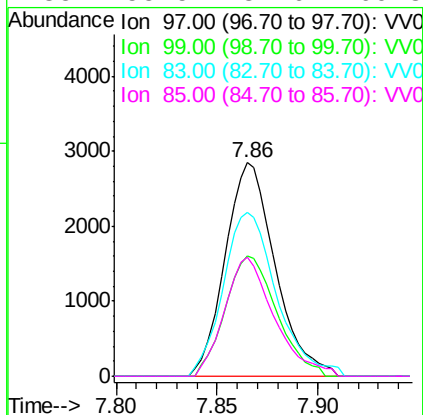
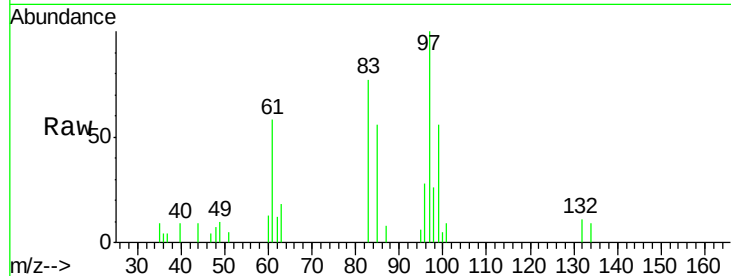
#45
1,1,2-Trichloroethane
Concen: 2.456 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	4931
Ion	Ratio	Lower	Upper
97	100		
99	56.1	43.7	81.1
83	76.8	59.9	111.3
85	55.5	37.6	69.8

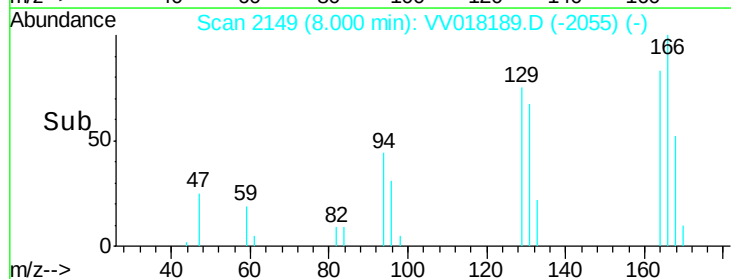
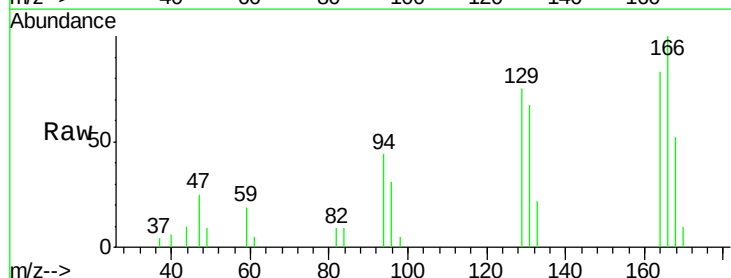
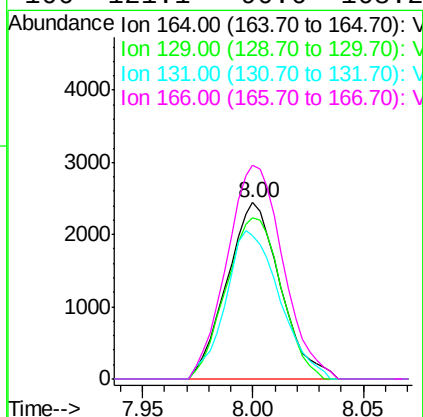
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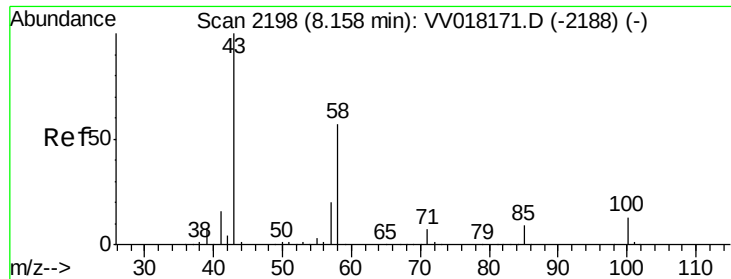
MMDadoda
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#46
Tetrachloroethene
Concen: 2.350 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion:	164	Resp:	4103
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.5	119.7
131	81.4	61.8	114.8
166	121.1	90.6	168.2





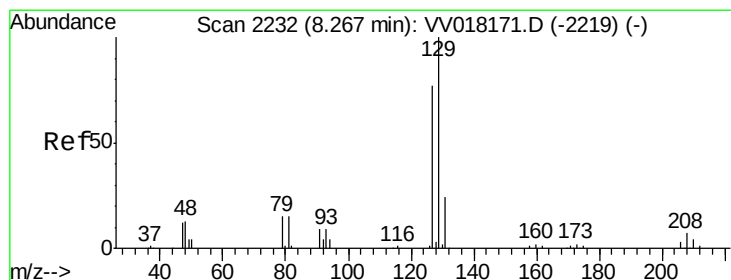
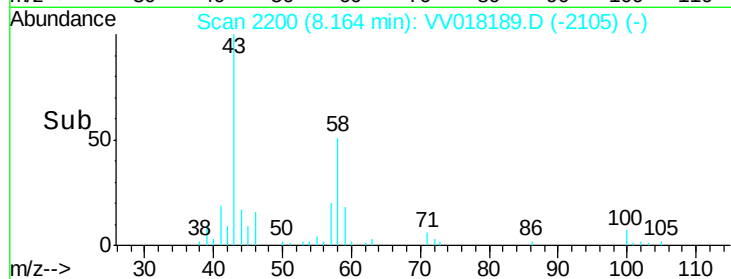
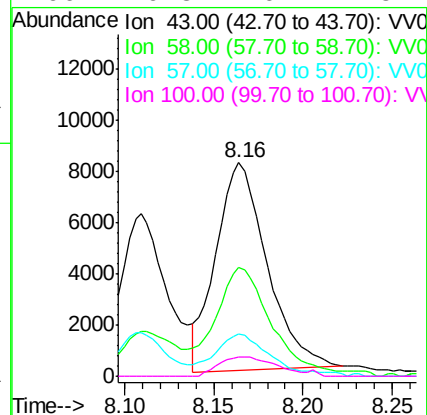
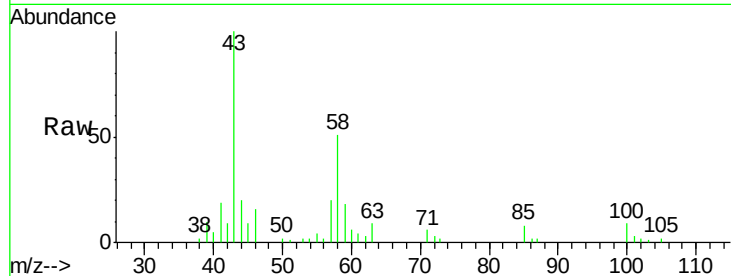
#48
2-Hexanone
Concen: 7.770 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	52.2	44.8	67.2	
57	21.9	15.8	23.6	
100	10.3	10.2	15.4	

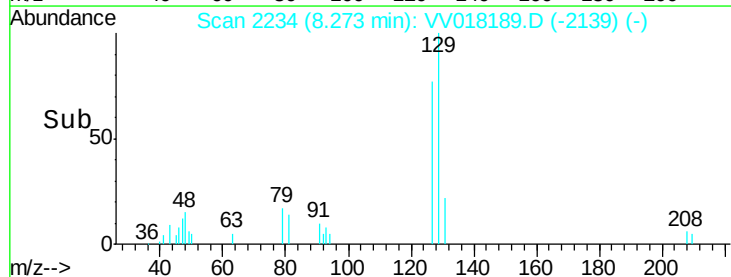
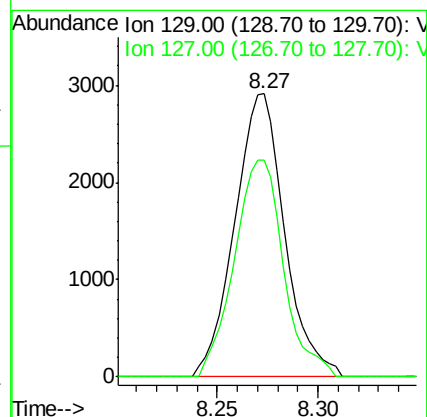
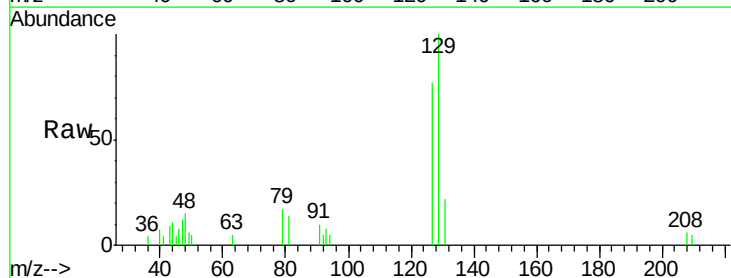
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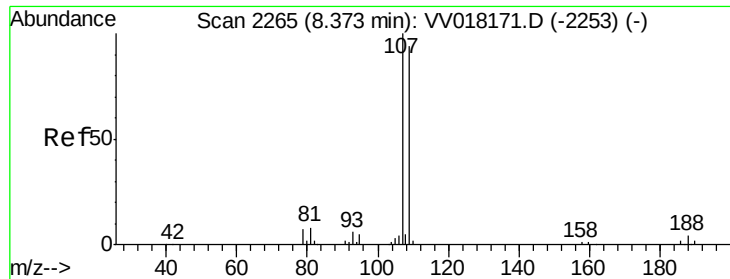
MMDadoda
9/11/2020 10:29:17 AM



#49
Dibromochloromethane
Concen: 2.235 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV018189.D
Acq: 10 Sep 2020 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.8	54.5	101.1	





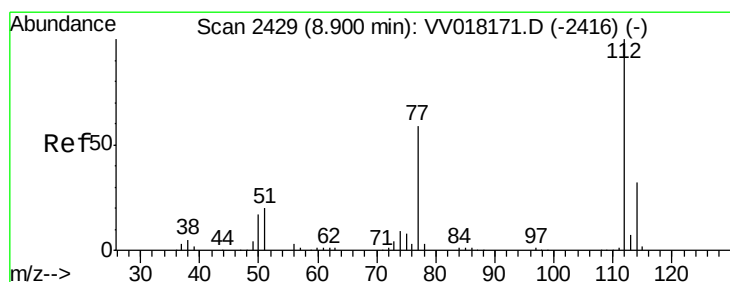
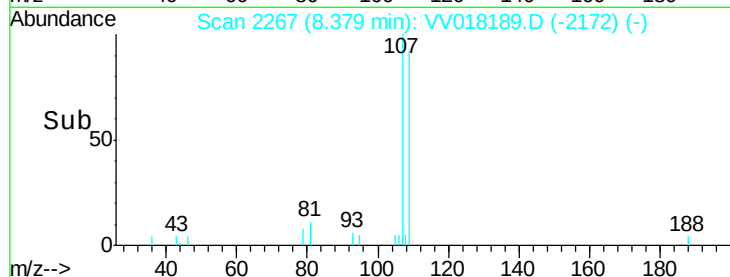
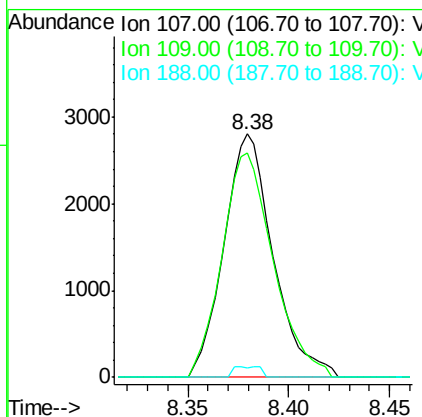
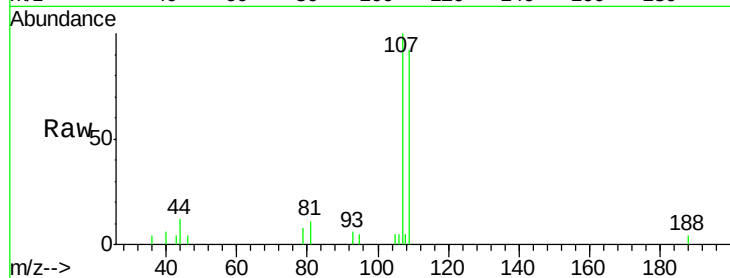
#50
 1,2-Dibromoethane
 Concen: 2.259 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.1	122.8
188	4.1	3.2	4.8

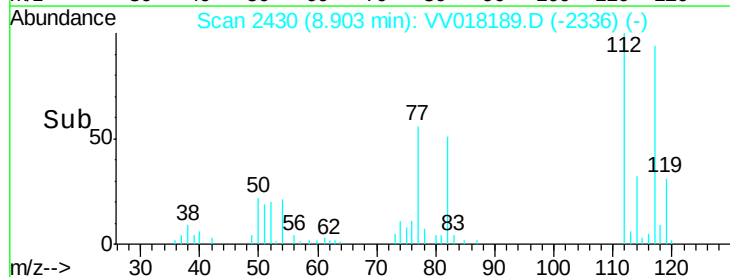
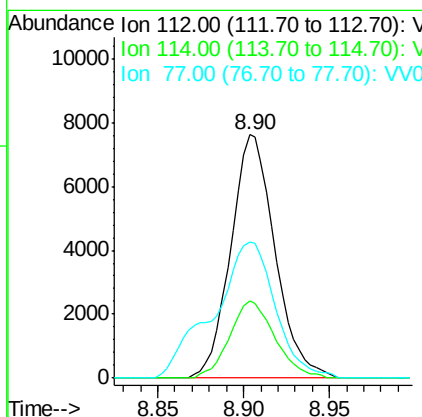
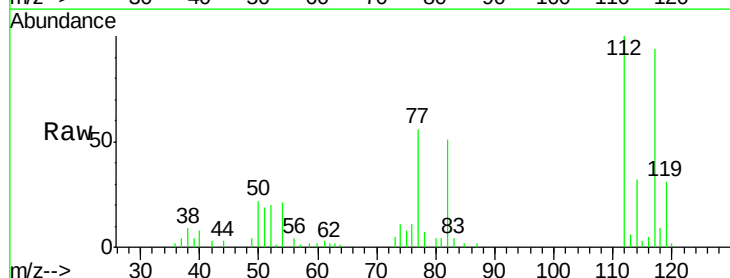
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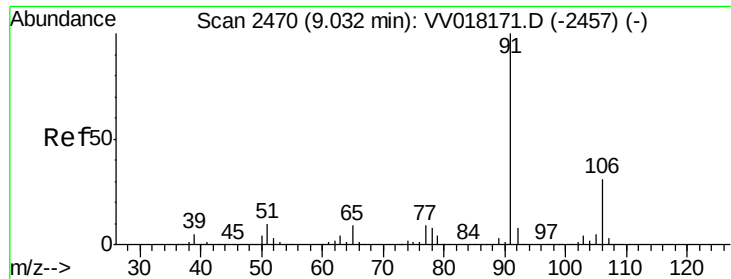
MMDadoda
 9/11/2020 10:29:17 AM



#51
 Chlorobenzene
 Concen: 2.435 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.6	42.0
77	56.2	48.0	72.0





#52

Ethylbenzene

Concen: 2.192 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 91 Resp: 20701

Ion Ratio Lower Upper

91 100

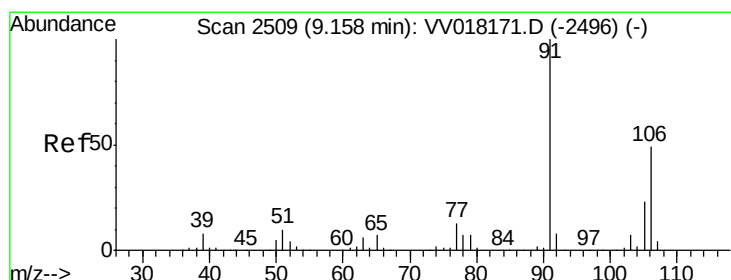
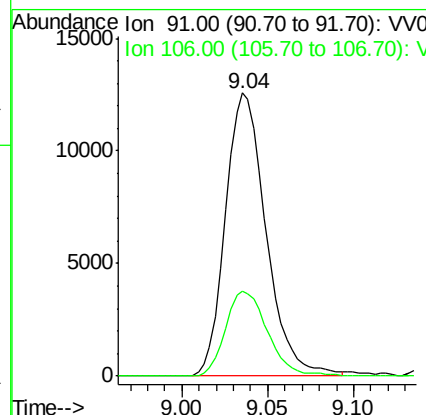
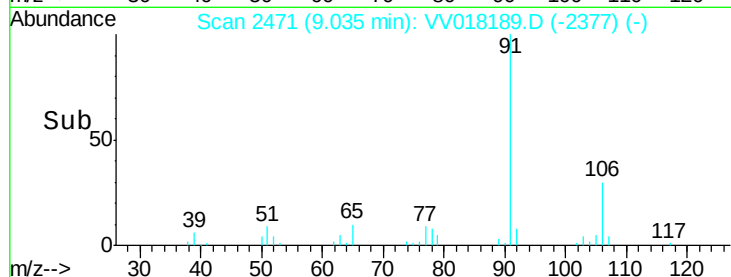
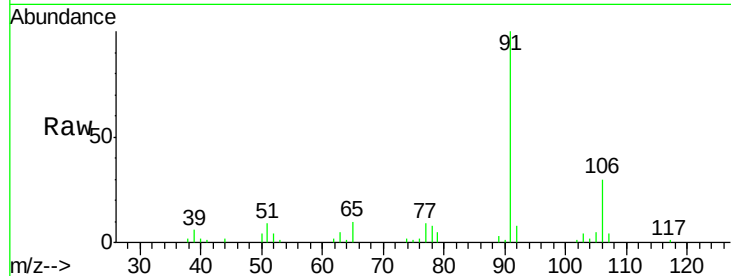
106 29.9 21.3 39.5

Manual Integrations

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MMDadoda

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#53

m,p-Xylene

Concen: 2.184 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018189.D

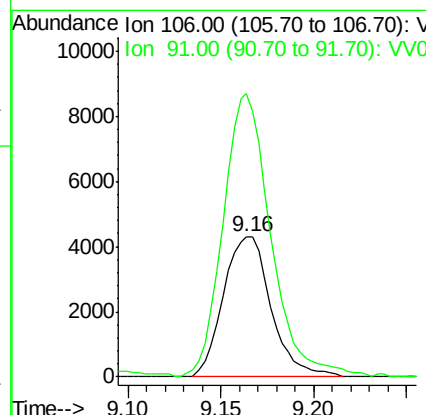
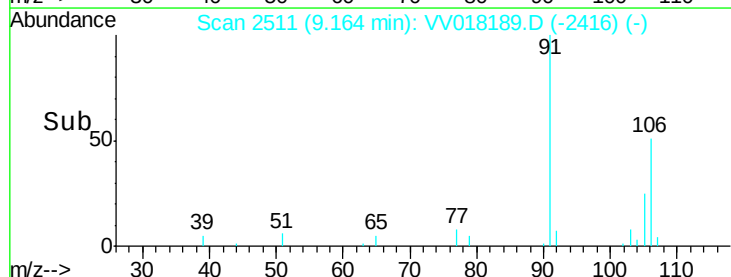
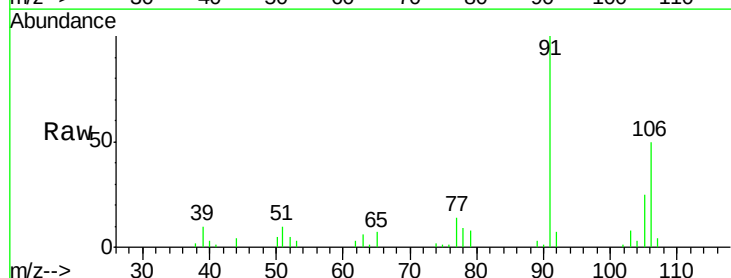
Acq: 10 Sep 2020 19:19

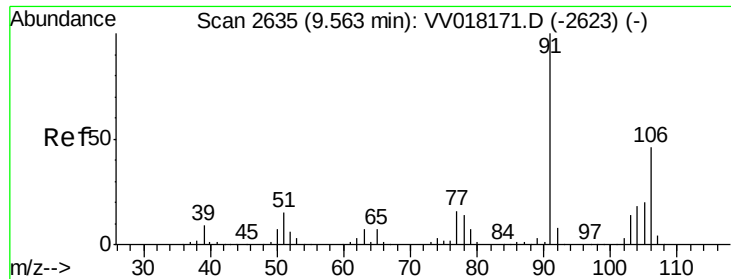
Tgt Ion: 106 Resp: 7697

Ion Ratio Lower Upper

106 100

91 201.3 146.7 272.5





#54

o-xylene

Concen: 2.117 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion:106 Resp: 7188

Ion Ratio Lower Upper

106 100

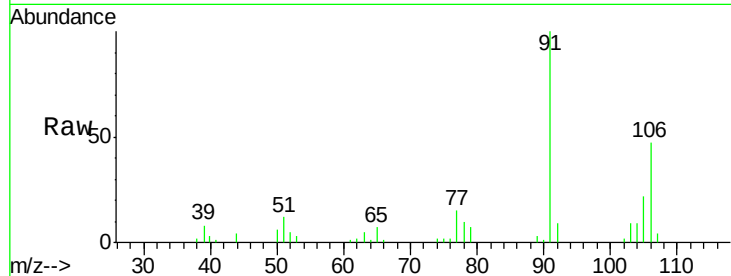
91 212.9 152.2 282.6

Manual Integrations

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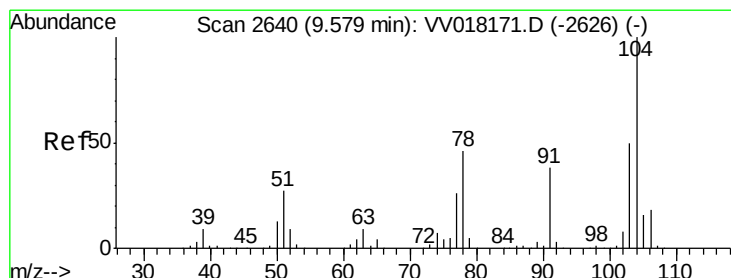
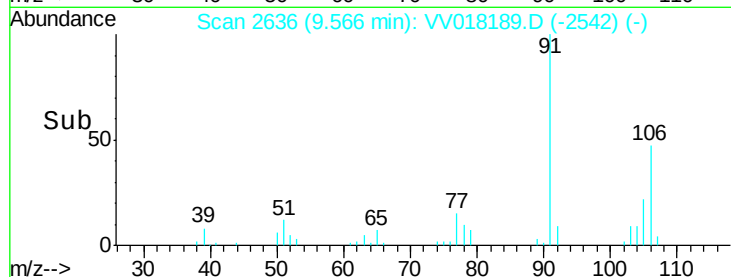
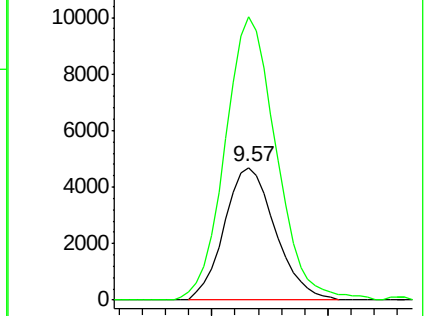
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.902 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018189.D

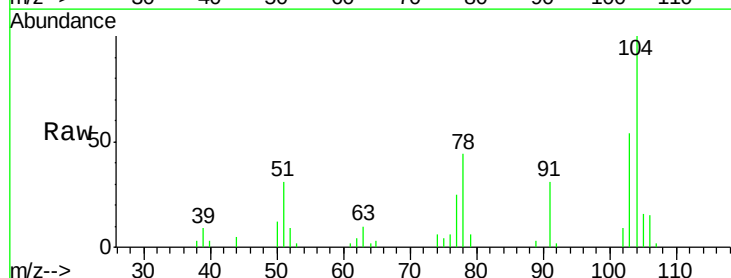
Acq: 10 Sep 2020 19:19

Tgt Ion:104 Resp: 11227

Ion Ratio Lower Upper

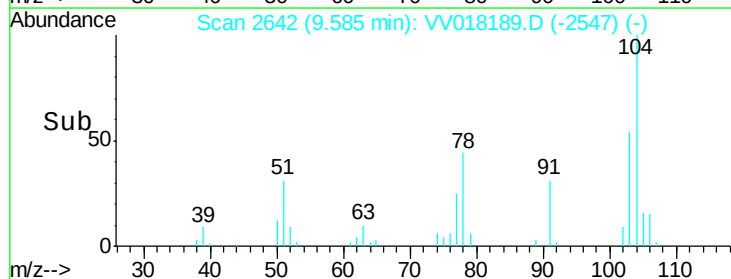
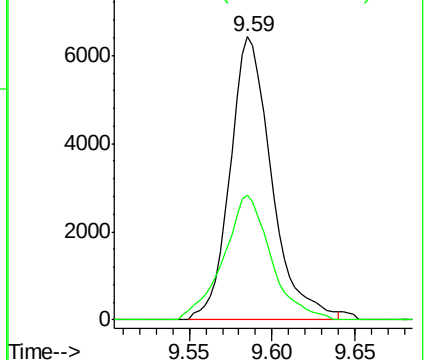
104 100

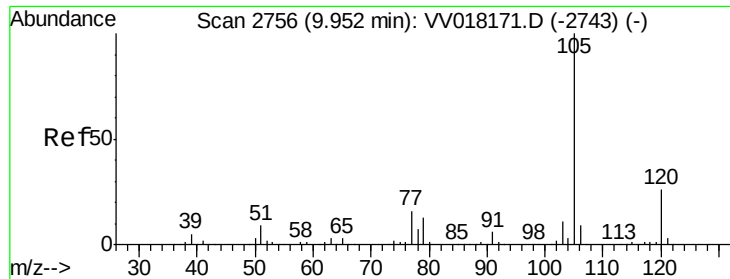
78 44.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.004 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

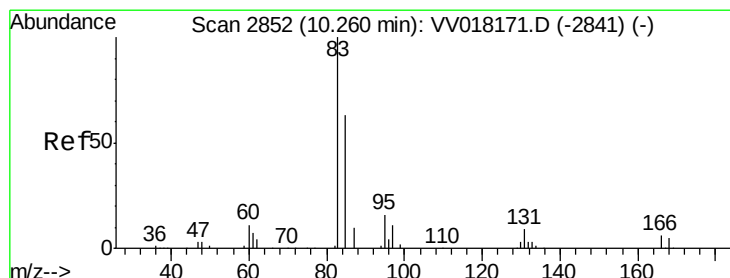
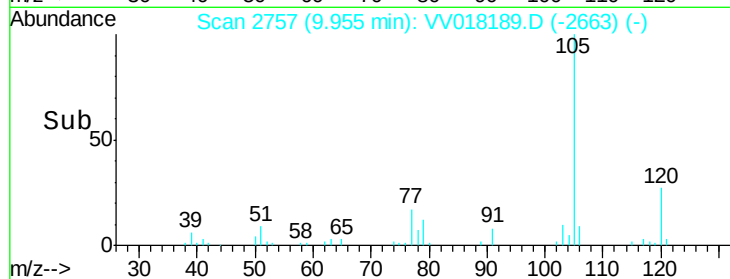
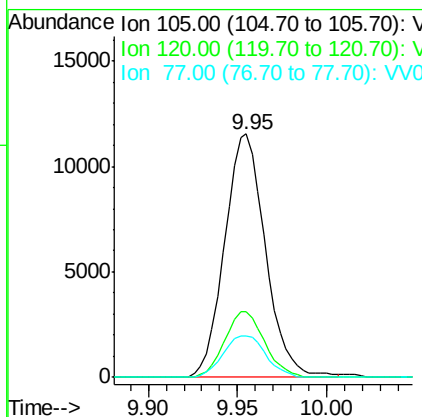
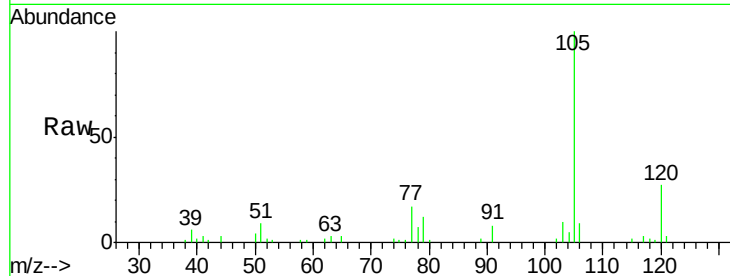
ClientSampleId :

MDL07

Tot Ion:	105	Resp:	18339
Ion Ratio	Lower	Upper	
105	100		
120	26.5	20.9	31.3
77	17.6	12.5	18.7

Manual Integrations
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MMDadoda
9/11/2020 10:29:17 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.556 ug/L

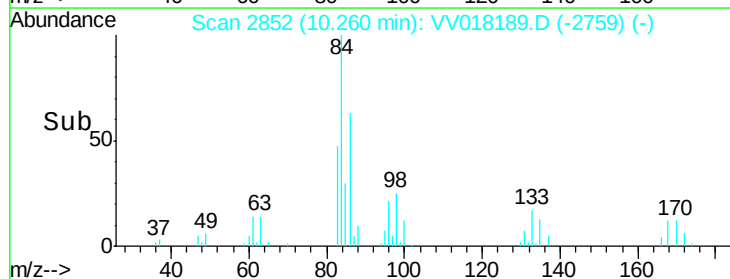
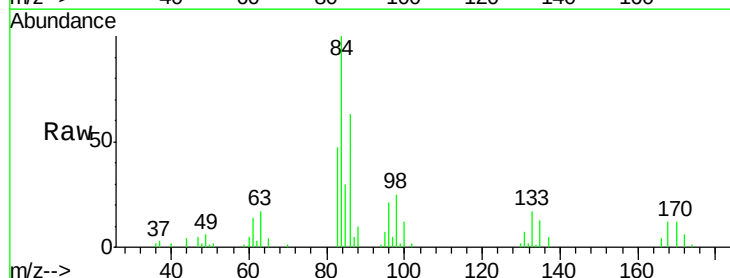
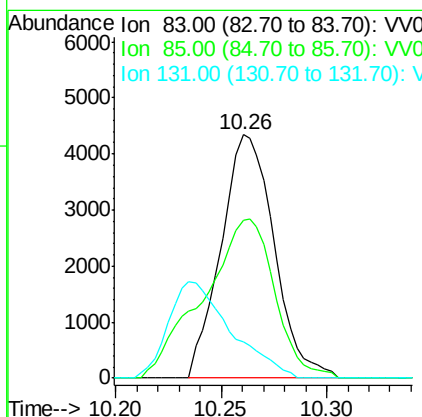
RT: 10.26 min Scan# 2852

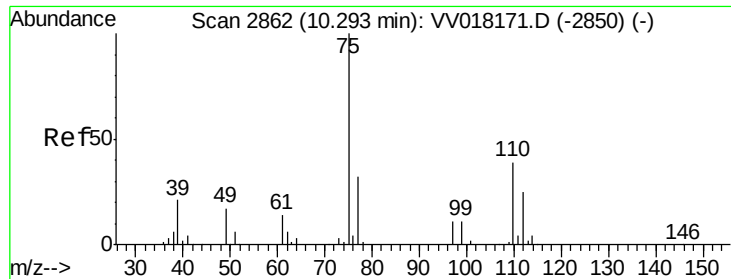
Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion:	83	Resp:	7591
Ion Ratio	Lower	Upper	
83	100		
85	64.7	45.8	85.2
131	14.7	8.0	12.0#





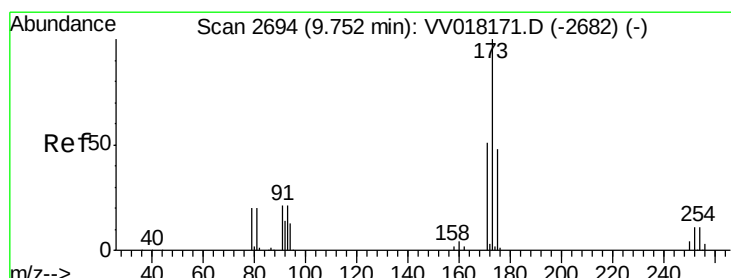
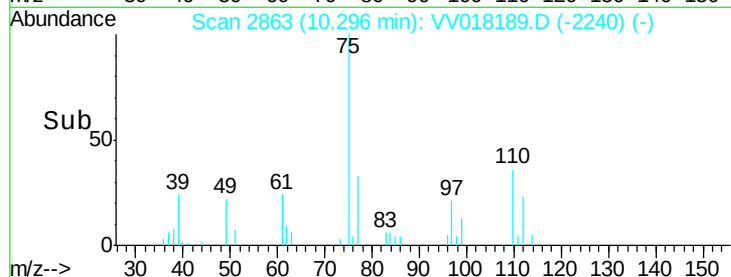
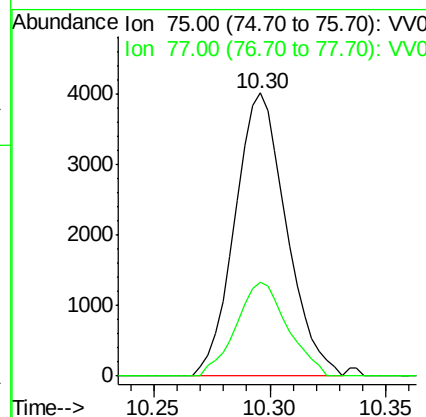
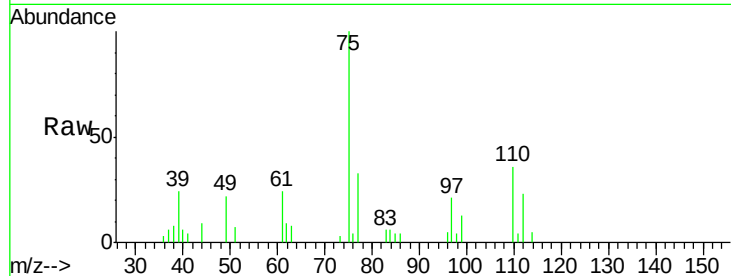
#59
 1,2,3-Trichloropropane
 Concen: 2.436 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 6205
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.8 38.6

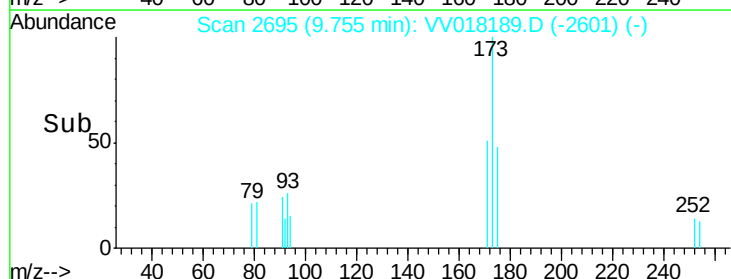
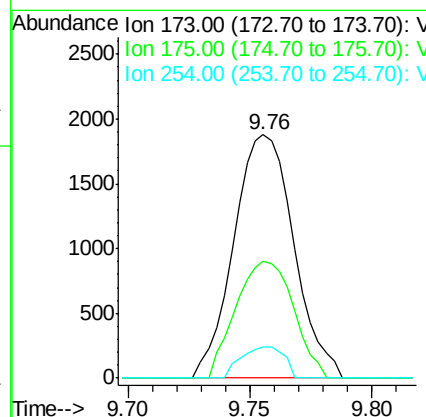
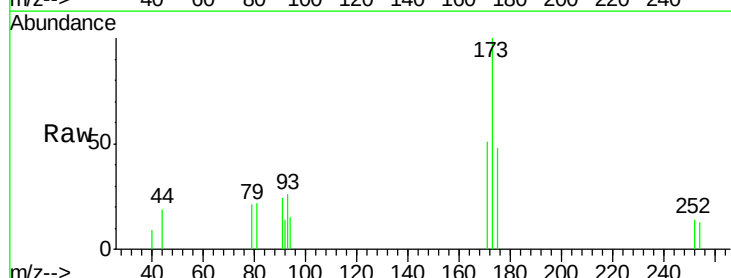
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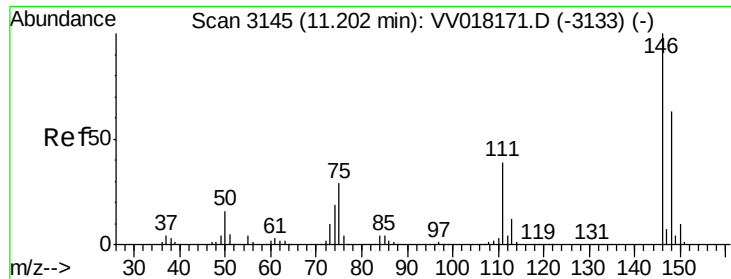
MMDadoda
 9/11/2020 10:29:17 AM



#61
 Bromoform
 Concen: 2.070 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion: 173 Resp: 3209
 Ion Ratio Lower Upper
 173 100
 175 46.2 39.0 58.6
 254 9.1 9.0 13.4





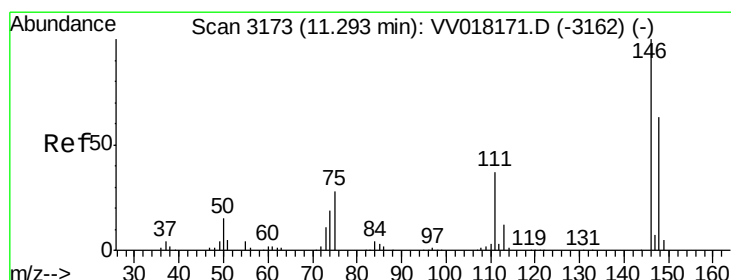
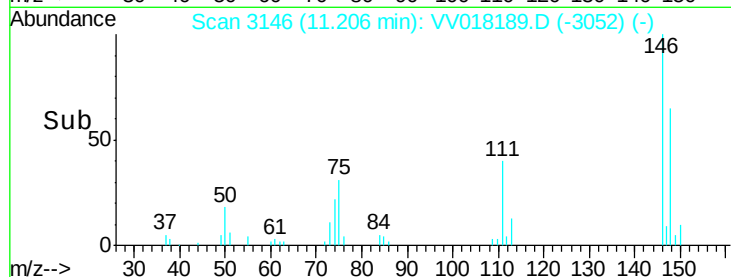
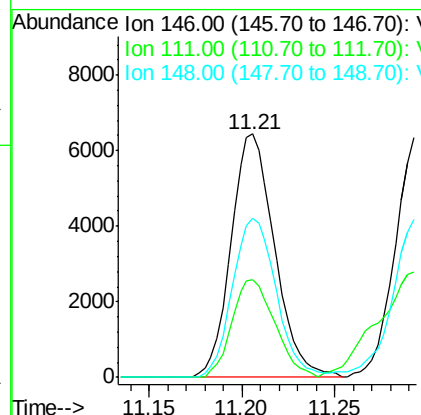
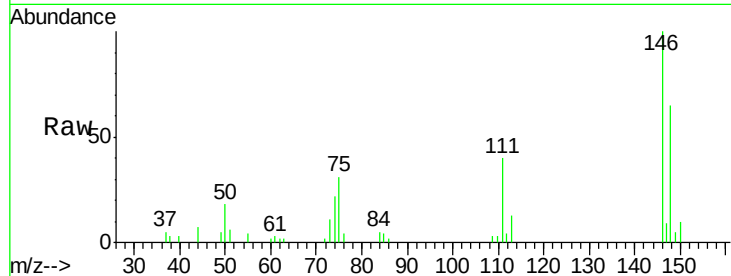
#62
 1,3-Dichlorobenzene
 Concen: 2.453 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.6	51.2
148	65.4	45.4	84.2

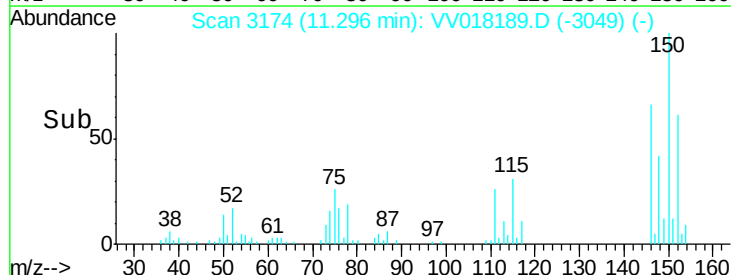
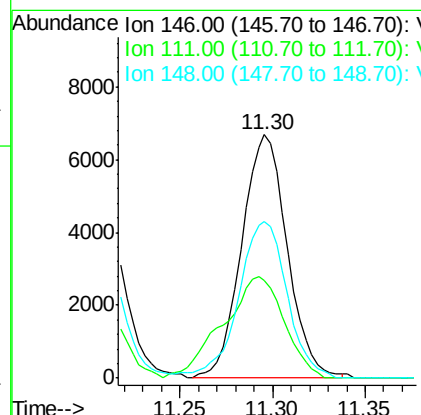
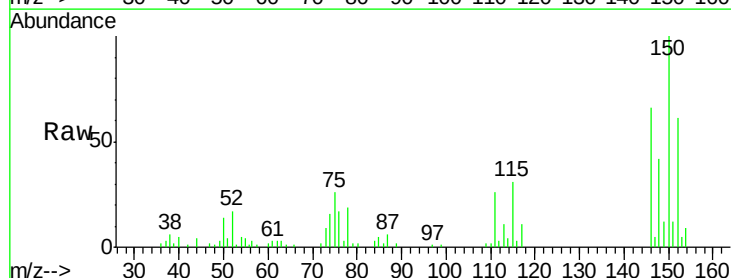
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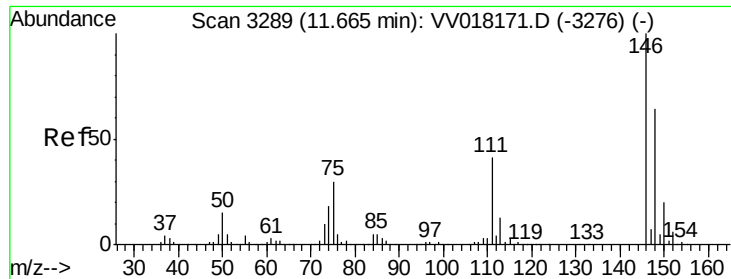
MMDadoda
 9/11/2020 10:29:17 AM



#63
 1,4-Dichlorobenzene
 Concen: 2.595 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.1	50.3
148	64.5	45.4	84.2





#65

1,2-Dichlorobenzene

Concen: 2.623 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

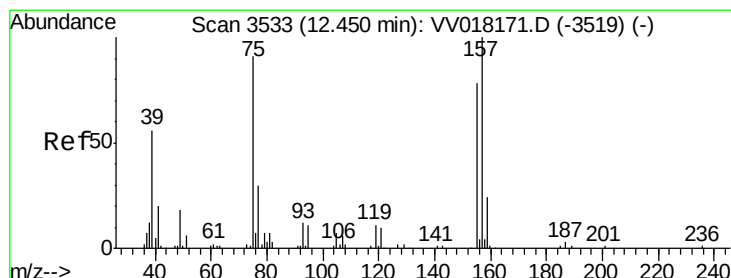
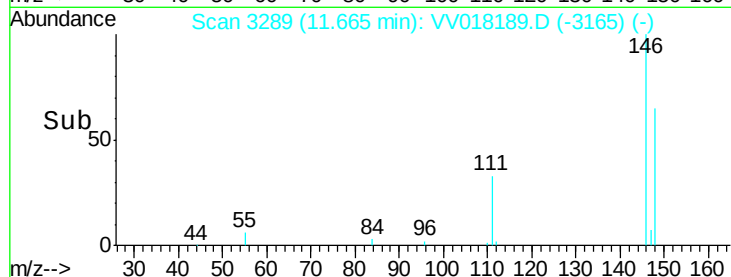
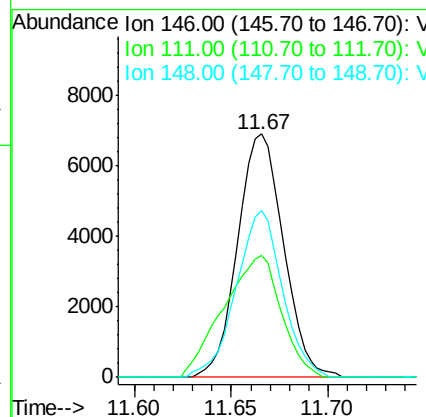
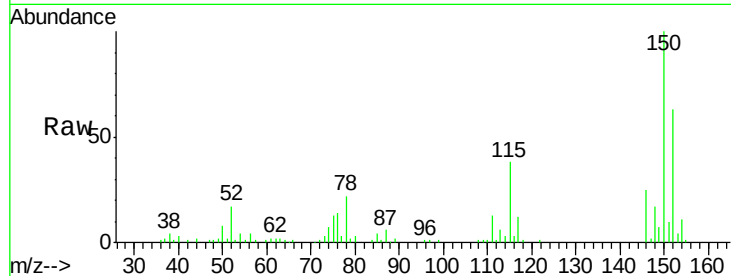
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	32.8	49.2#
148	68.6	50.7	76.1

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.032 ug/L

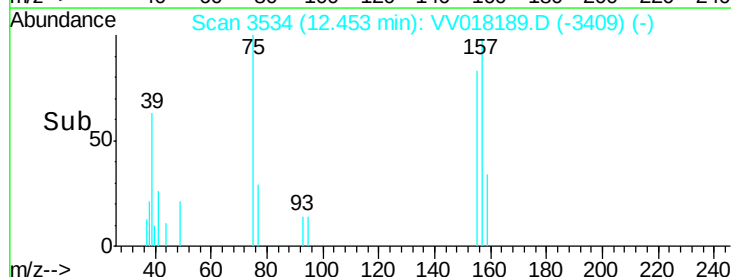
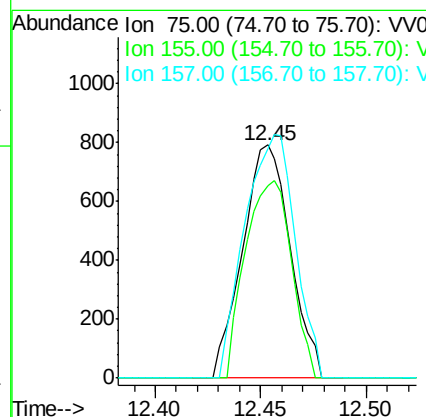
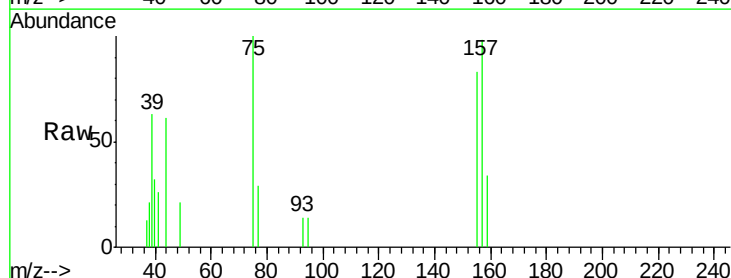
RT: 12.45 min Scan# 3534

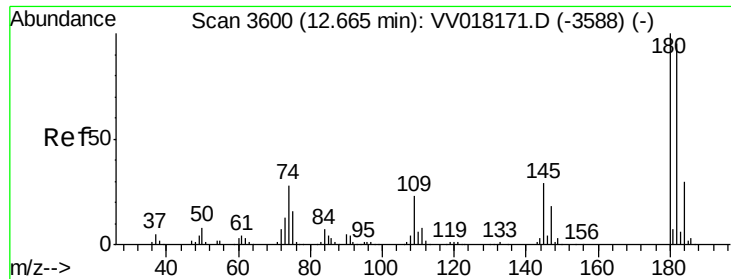
Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	69.7	104.5
157	98.5	88.2	132.4





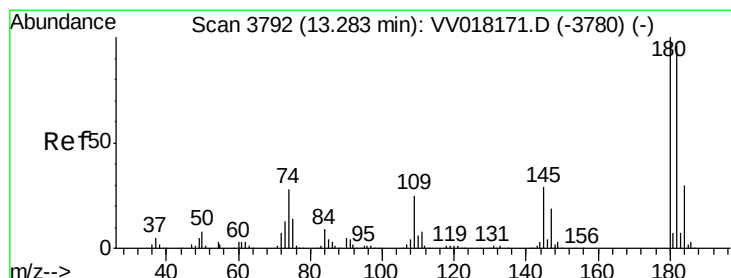
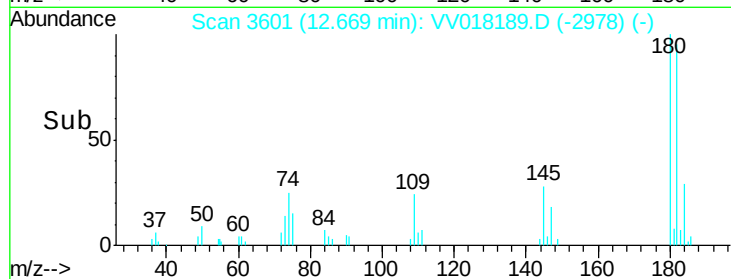
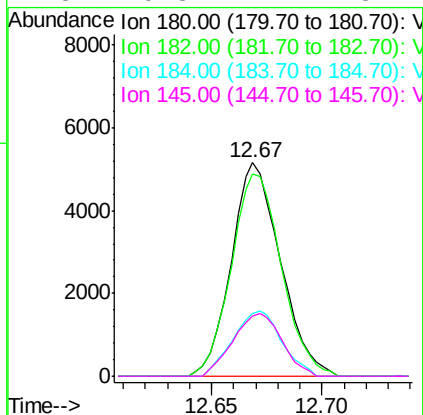
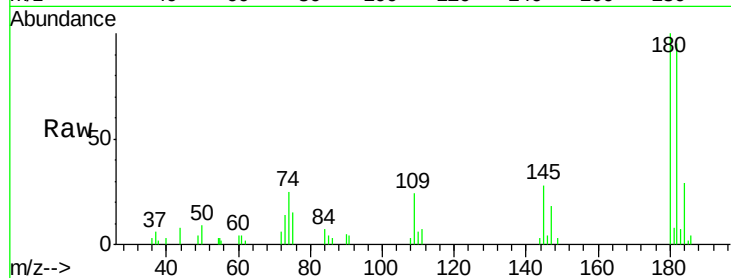
#67
 1,3,5-Trichlorobenzene
 Concen: 2.358 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.8	115.2
184	30.5	24.6	36.8
145	29.3	22.7	34.1

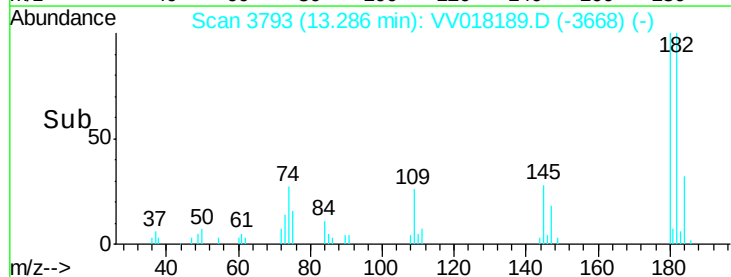
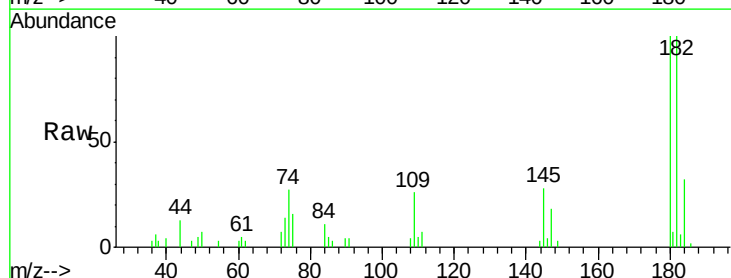
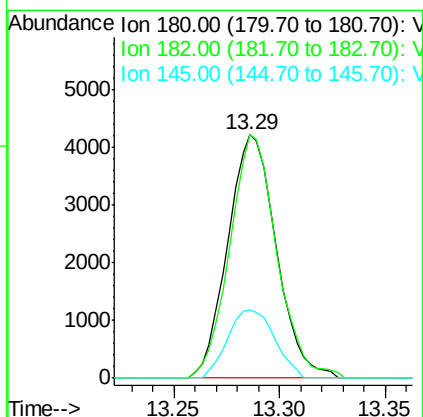
Manual Integrations
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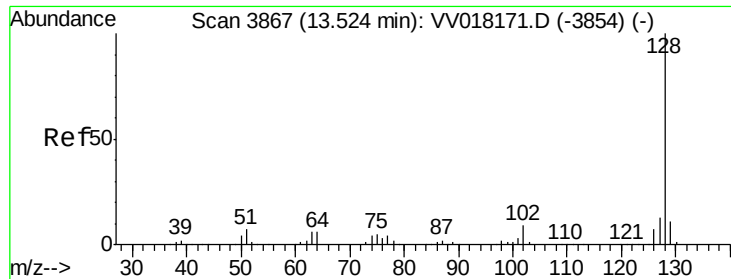
MMDadoda
 9/11/2020 10:29:17 AM



#68
 1,2,4-trichlorobenzene
 Concen: 2.236 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018189.D
 Acq: 10 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.2
145	27.1	23.2	34.8





#69

Naphthalene

Concen: 1.792 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Instrument :

MSVOA_V

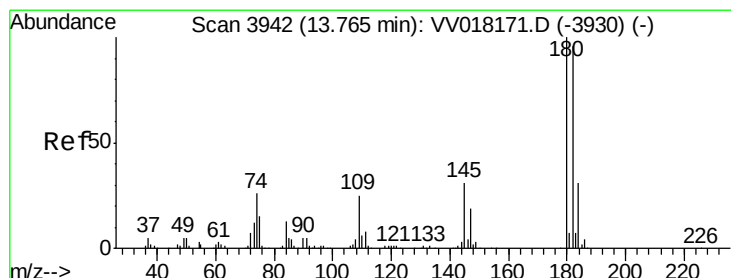
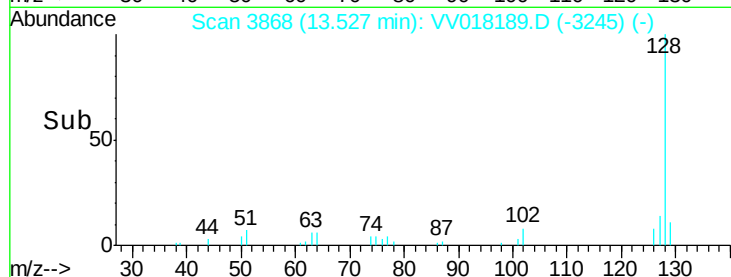
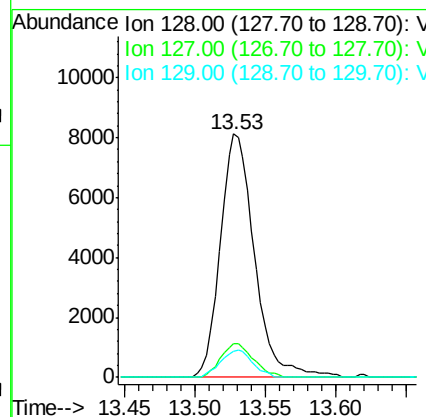
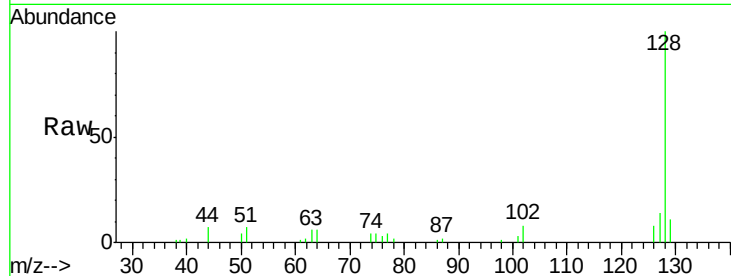
ClientSampleId :

MDL07

Tot Ion:	128	Resp:	13658
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.5	8.6	13.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.289 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018189.D

Acq: 10 Sep 2020 19:19

Tgt Ion:	180	Resp:	6792
Ion	Ratio	Lower	Upper
180	100		
182	88.6	76.5	114.7
145	29.0	24.9	37.3

