

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018188.D
 Acq On : 10 Sep 2020 18:56
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:29:12 AM

Quant Time: Sep 11 03:24:58 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	290602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96651	40.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.62%
7) Chloroethane-d5	1.58	69	85577	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.32%
11) 1,1-Dichloroethene-d2	2.12	63	148691	34.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.46%
21) 2-Butanone-d5	3.91	46	143491	98.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.99%
24) Chloroform-d	4.38	84	183132	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.06	65	126682	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
32) Benzene-d6	5.08	84	379659	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.09	67	124009	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.78%
41) Toluene-d8	7.34	98	343468	45.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.54%
43) trans-1,3-Dichloropropene-	7.64	79	59692	44.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.78%
47) 2-Hexanone-d5	8.11	63	89001	89.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.80%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	151348	46.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	148809	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4941	2.332 ug/L	97
3) Chloromethane	1.25	50	5531	2.390 ug/L	97
5) Vinyl chloride	1.32	62	5896	2.485 ug/L #	66
6) Bromomethane	1.53	94	3365	2.320 ug/L	99
8) Chloroethane	1.60	64	3897	2.622 ug/L	99
9) Trichlorofluoromethane	1.77	101	7909	2.423 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5838	2.977 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	5829	3.055 ug/L #	1
13) Acetone	2.19	43	4596	3.959 ug/L	95
14) Carbon disulfide	2.31	76	13143	2.251 ug/L	98
15) Methyl Acetate	2.46	43	4928	2.362 ug/L	94
16) Methylene chloride	2.53	84	5936	2.774 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	4667	2.373 ug/L	95
18) Methyl tert-butyl Ether	2.79	73	13381	2.200 ug/L	99
19) 1,1-Dichloroethane	3.22	63	8547	2.299 ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	4906	2.334 ug/L	93
22) 2-Butanone	4.02	43	5882m	4.279 ug/L	

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

23) Bromochloromethane	4.28	128	2572	2.339	ug/L	91
25) Chloroform	4.41	83	17425	4.611	ug/L	99
27) 1,2-Dichloroethane	5.16	62	7349	2.512	ug/L #	94
29) Cyclohexane	4.71	56	7176	2.160	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	7596	2.275	ug/L	99
31) Carbon tetrachloride	4.86	117	6596	2.247	ug/L	99
33) Benzene	5.13	78	19689	2.394	ug/L	100
34) Trichloroethene	5.95	95	5823	2.599	ug/L	92
35) Methylcyclohexane	6.15	83	7279	2.158	ug/L	96
37) 1,2-Dichloropropane	6.20	63	5245	2.407	ug/L #	94
38) Bromodichloromethane	6.54	83	6177	2.178	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	7326	2.182	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	10588	4.005	ug/L	100
42) Toluene	7.41	91	20216	2.323	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	6753	2.065	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	4507	2.231	ug/L	96
46) Tetrachloroethene	8.00	164	4015	2.286	ug/L	94
48) 2-Hexanone	8.16	43	17193	8.248	ug/L #	97
49) Dibromochloromethane	8.27	129	4848	2.138	ug/L	98
50) 1,2-Dibromoethane	8.38	107	4912	2.311	ug/L #	94
51) Chlorobenzene	8.90	112	13680	2.420	ug/L	95
52) Ethylbenzene	9.04	91	20061	2.111	ug/L	95
53) m,p-Xylene	9.16	106	7412	2.090	ug/L	97
54) o-xylene	9.57	106	7148	2.092	ug/L	98
55) Styrene	9.59	104	11137	1.875	ug/L	100
56) Isopropylbenzene	9.95	105	17977	1.952	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7301	2.443	ug/L #	98
59) 1,2,3-Trichloropropane	10.30	75	5894	2.299	ug/L	99
61) Bromoform	9.76	173	3029	1.938	ug/L #	94
62) 1,3-Dichlorobenzene	11.21	146	10156	2.348	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	11051	2.485	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	11069	2.532	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	1173	1.901	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	7576	2.222	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6248	2.057	ug/L	99
69) Naphthalene	13.53	128	12415	1.616	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	6180	2.066	ug/L	99

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

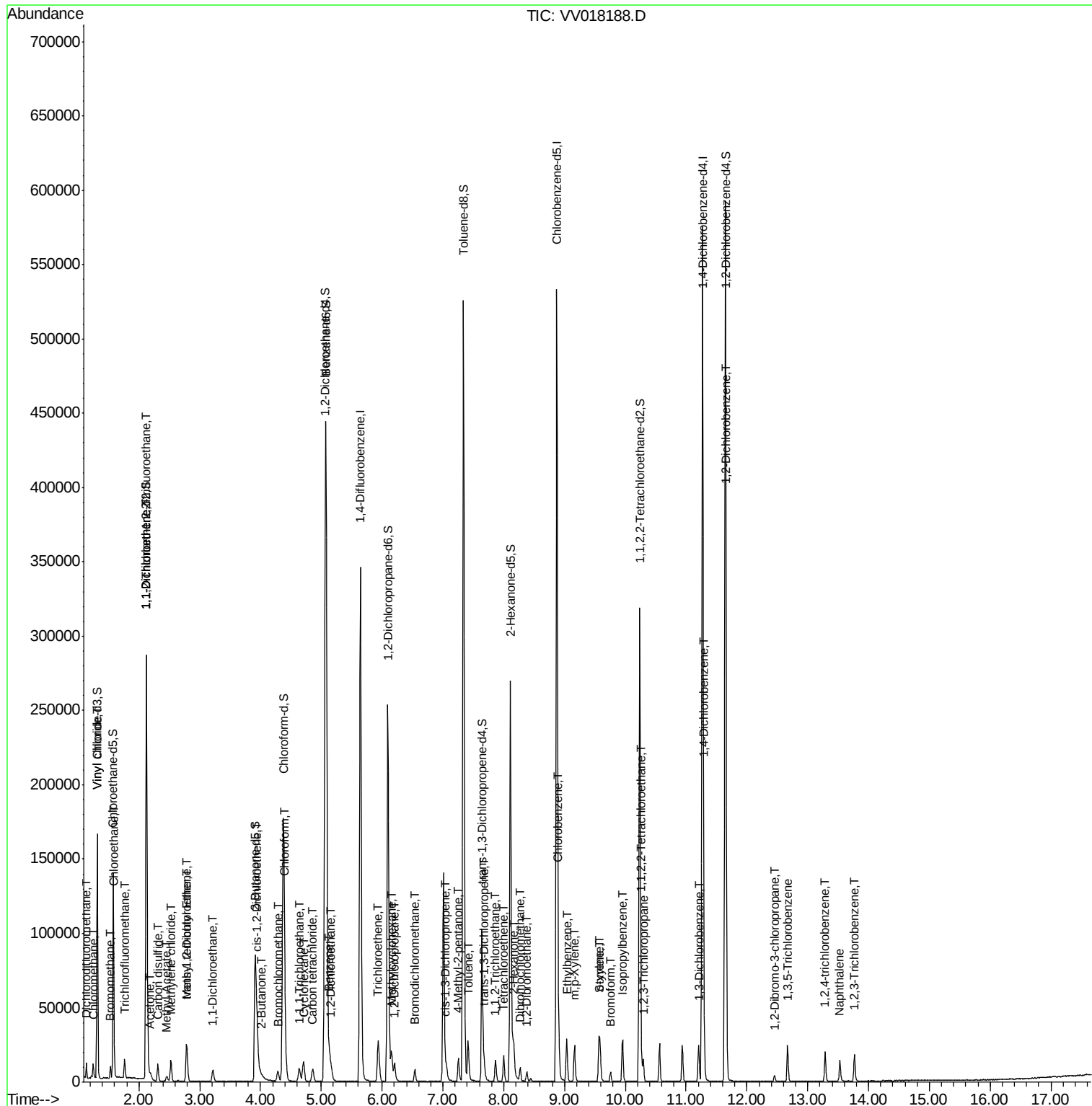
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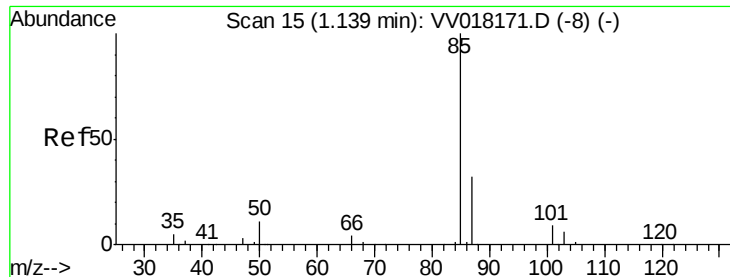
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#2

Dichlorodifluoromethane

Concen: 2.332 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 4941

Ion Ratio Lower Upper

85 100

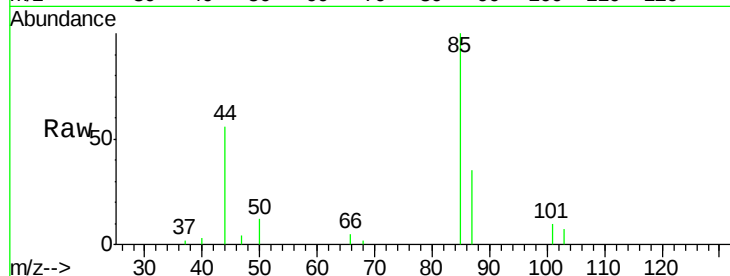
87 33.5 25.7 38.5

Manual Integrations

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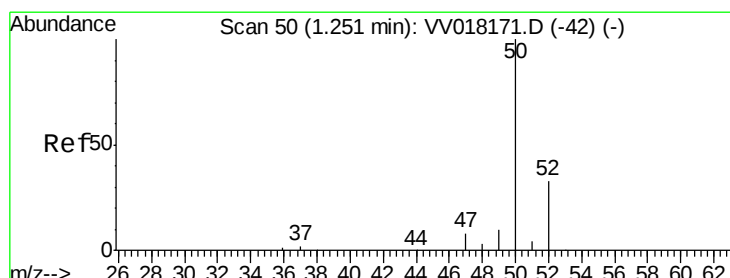
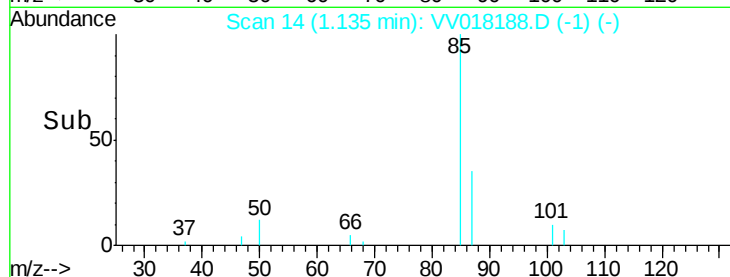
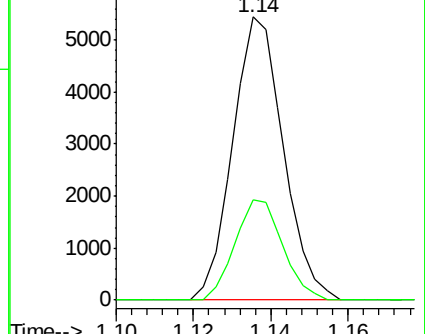
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.390 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018188.D

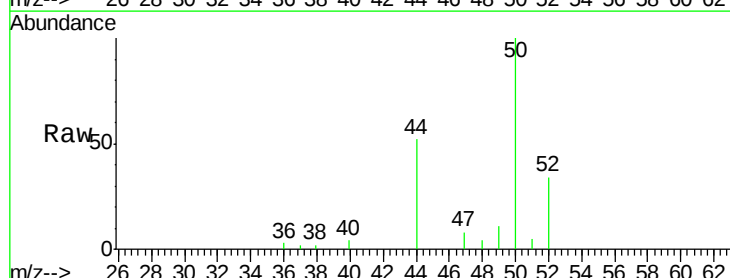
Acq: 10 Sep 2020 18:56

Tgt Ion: 50 Resp: 5531

Ion Ratio Lower Upper

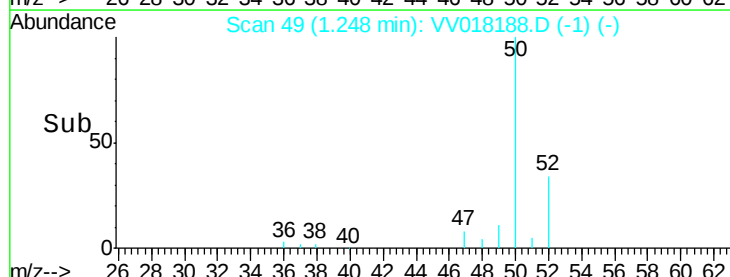
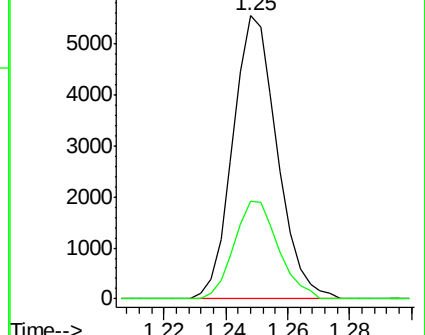
50 100

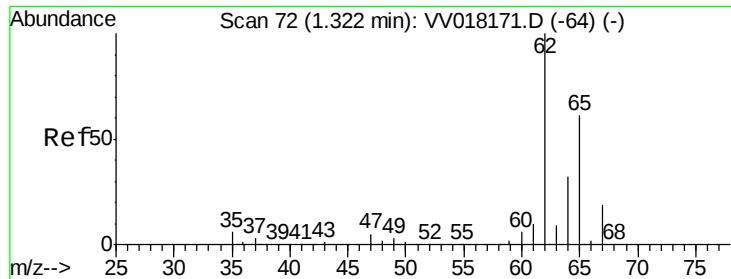
52 34.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.485 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 5896

Ion Ratio Lower Upper

62 100

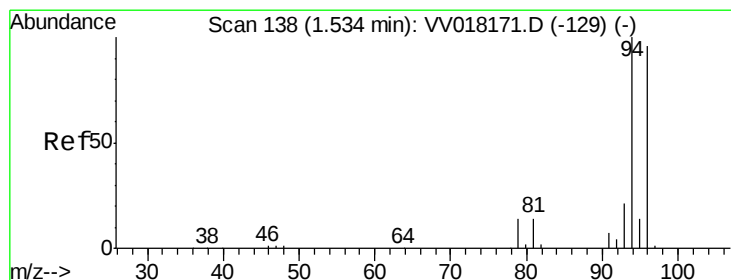
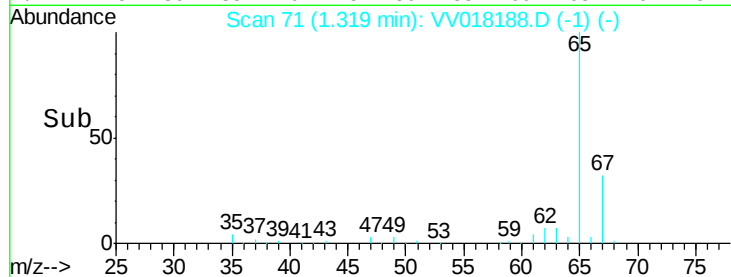
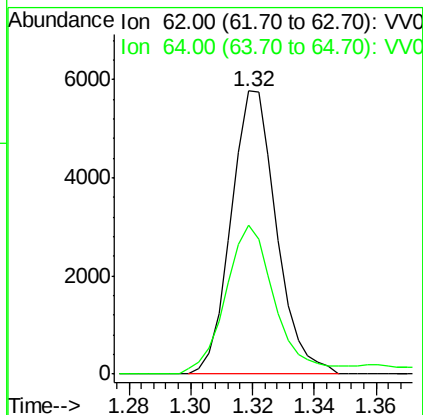
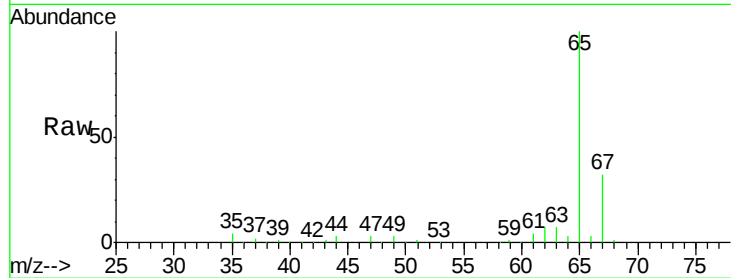
64 52.4 23.1 42.9#

Manual Integrations

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#6

Bromomethane

Concen: 2.320 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018188.D

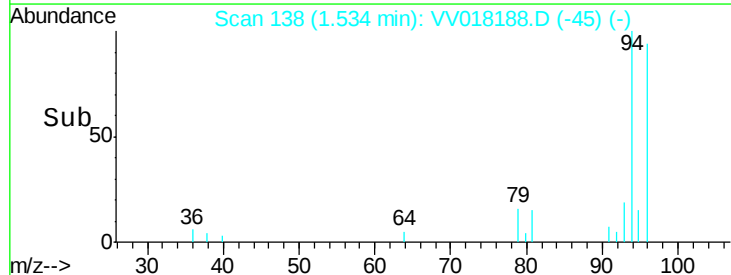
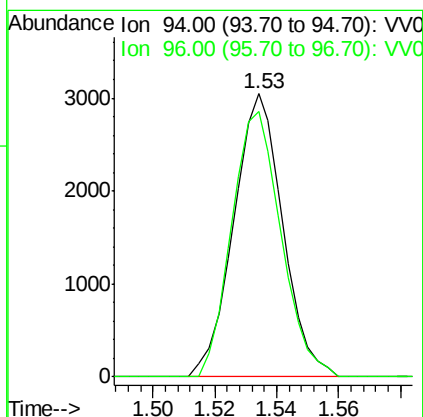
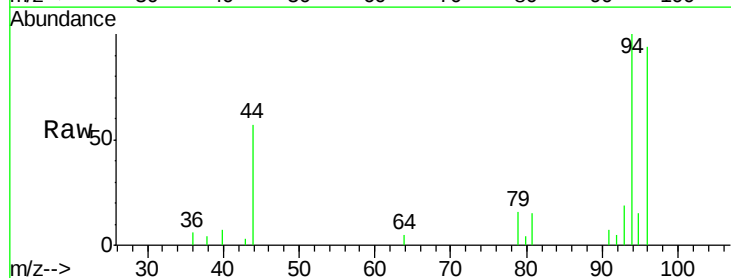
Acq: 10 Sep 2020 18:56

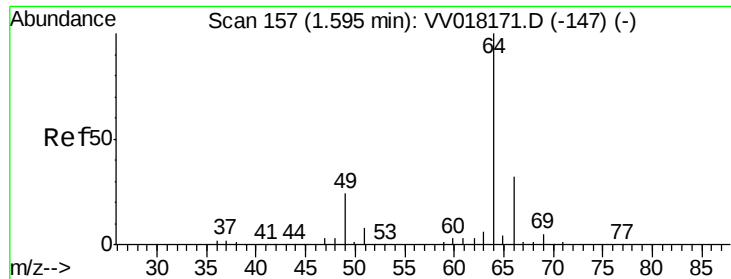
Tgt Ion: 94 Resp: 3365

Ion Ratio Lower Upper

94 100

96 93.6 65.1 120.9





#8

Chloroethane

Concen: 2.622 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 64 Resp: 3897

Ion Ratio Lower Upper

64 100

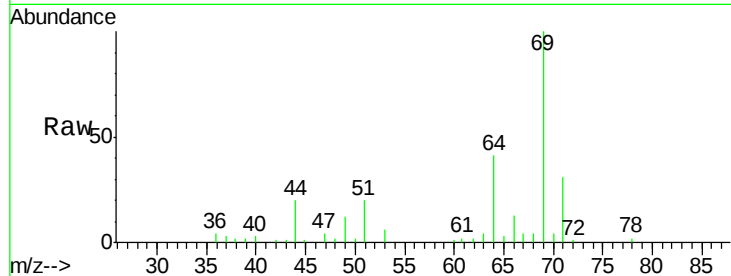
66 32.6 22.5 41.7

Manual Integrations

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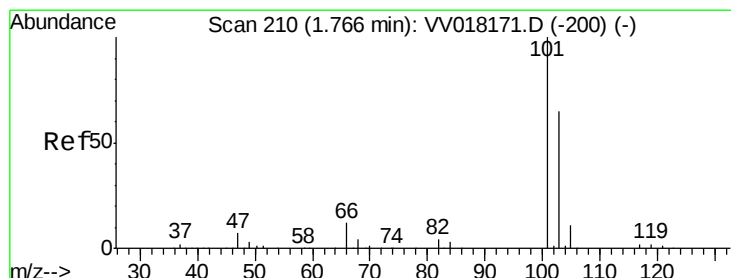
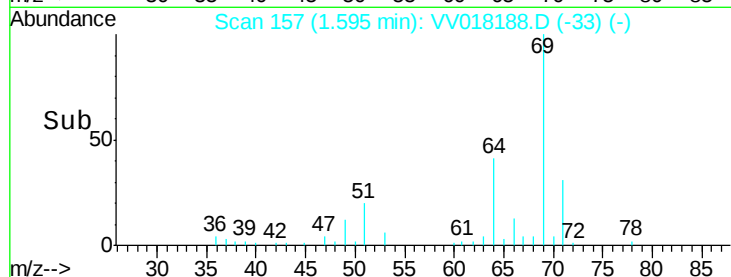


Abundance Ion 64.00 (63.70 to 64.70): VV018188.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018188.D (-147) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 2.423 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018188.D

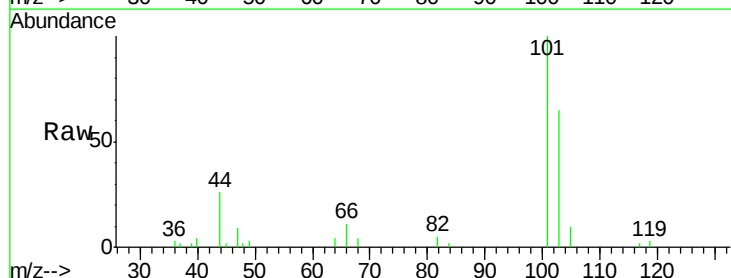
Acq: 10 Sep 2020 18:56

Tgt Ion: 101 Resp: 7909

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6

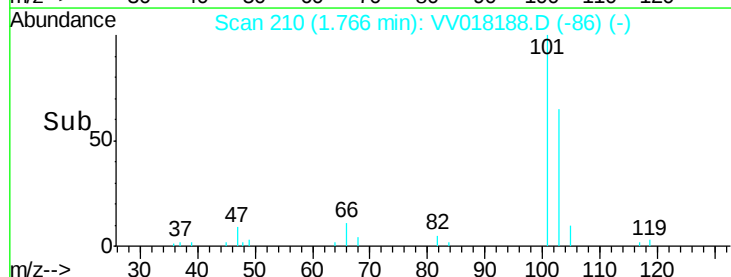


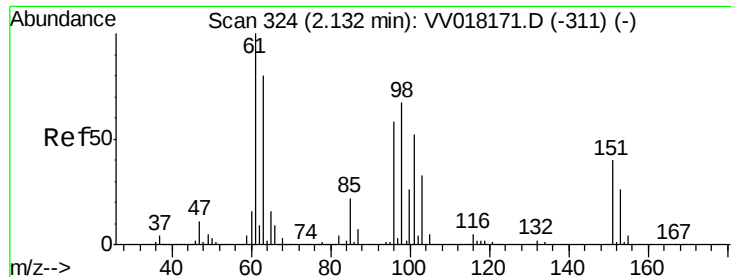
Abundance Ion 101.00 (100.70 to 101.70): VV018188.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV018188.D (-200) (-)

1.77

Time-->





#10

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

Concen: 2.977 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

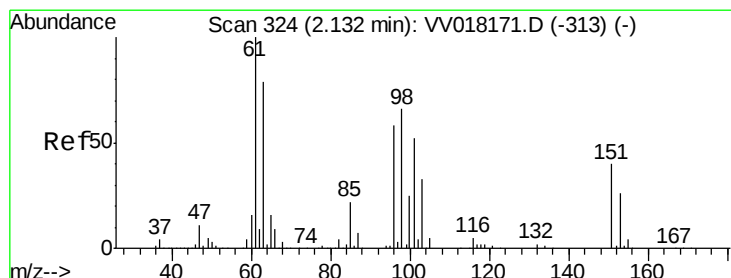
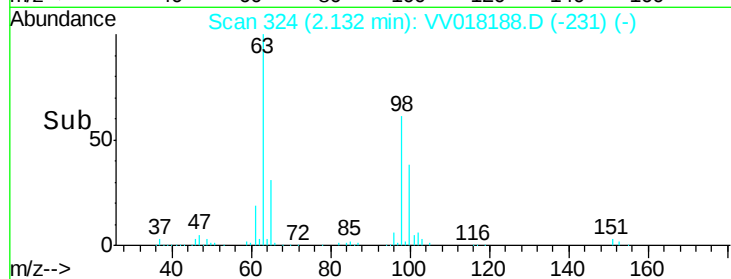
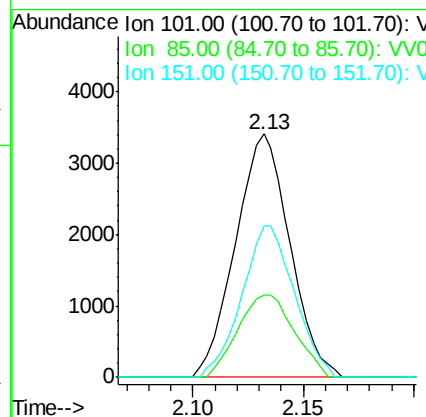
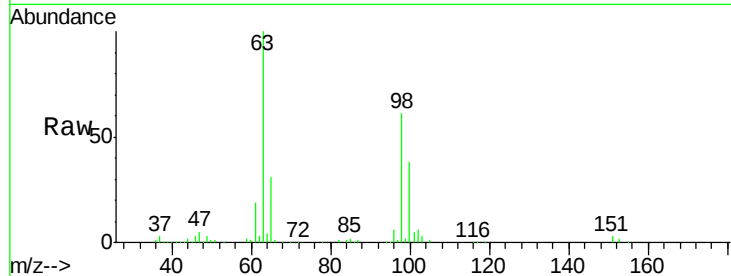
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	5838
Ion Ratio	Lower	Upper	
101	100		
85	35.0	33.5	50.3
151	60.1	62.2	93.2#

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#12

1,1-Dichloroethene

Concen: 3.055 ug/L

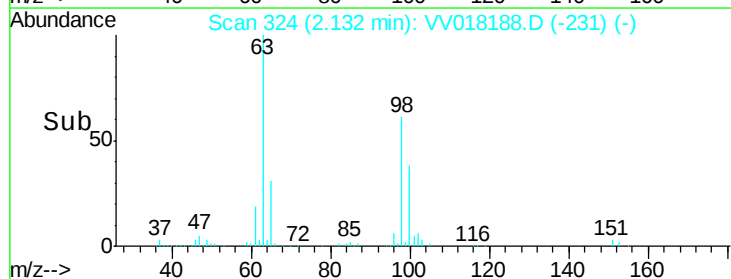
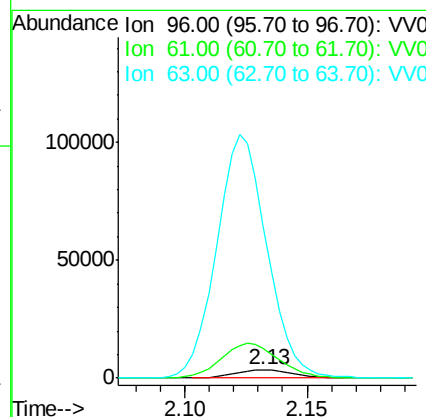
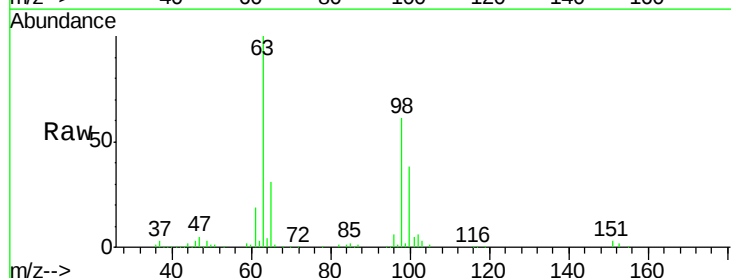
RT: 2.13 min Scan# 324

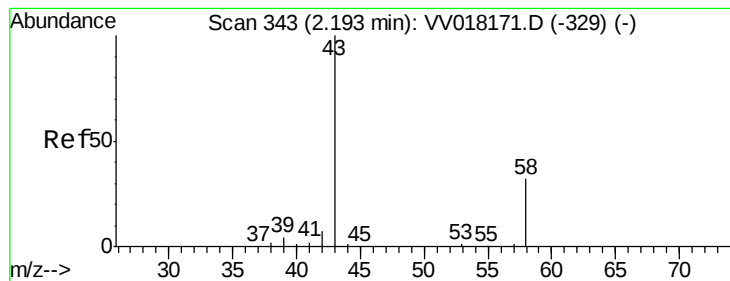
Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion:	96	Resp:	5829
Ion Ratio	Lower	Upper	
96	100		
61	351.3	122.9	228.3#
63	1807.7	91.9	170.7#





#13

Acetone

Concen: 3.959 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 4596

Ion Ratio Lower Upper

43 100

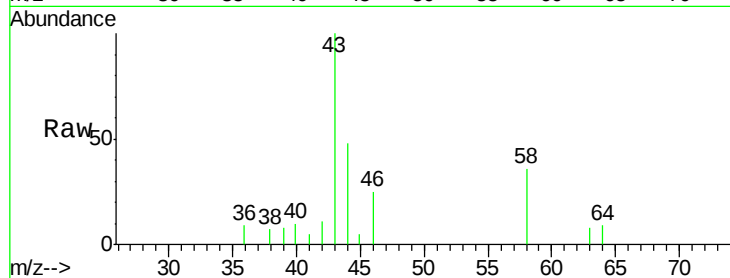
58 36.7 0.0 67.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV018188.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV018188.D (-250) (-)

2500

2000

1500

1000

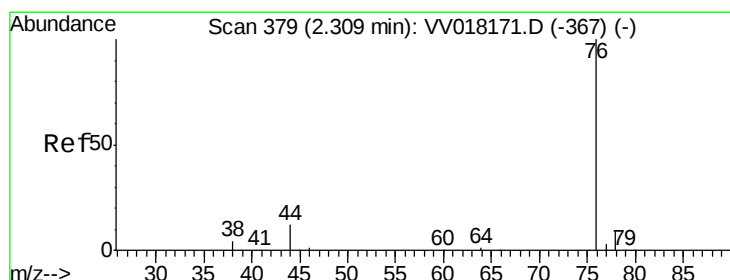
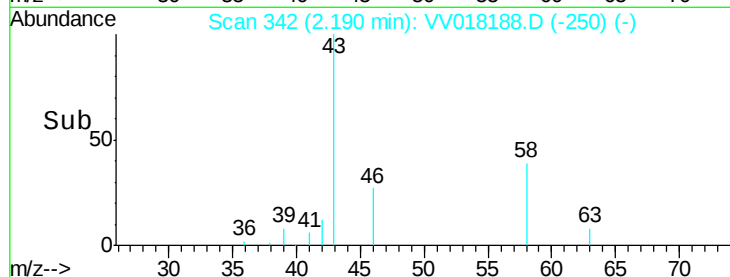
500

0

Time-->

2.15 2.20 2.25

2.19



#14

Carbon disulfide

Concen: 2.251 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018188.D

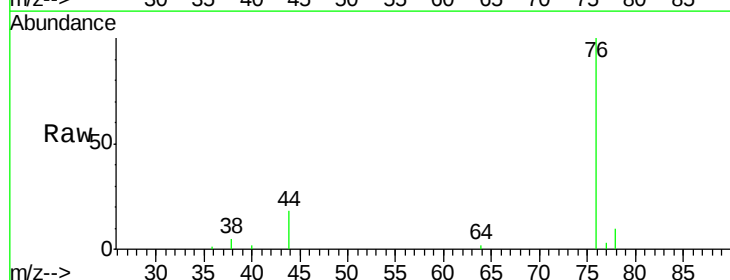
Acq: 10 Sep 2020 18:56

Tgt Ion: 76 Resp: 13143

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018188.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018188.D (-286) (-)

10000

8000

6000

4000

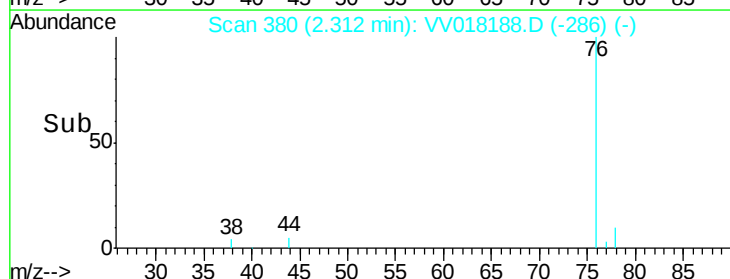
2000

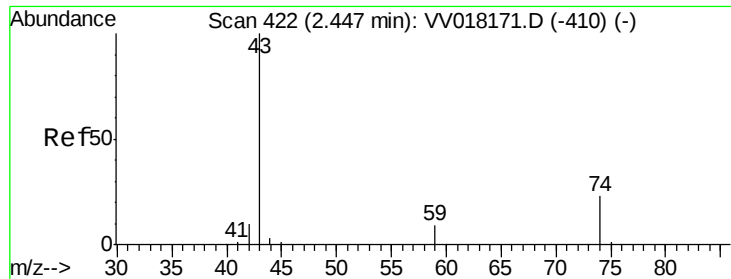
0

Time-->

2.25 2.30 2.35

2.31





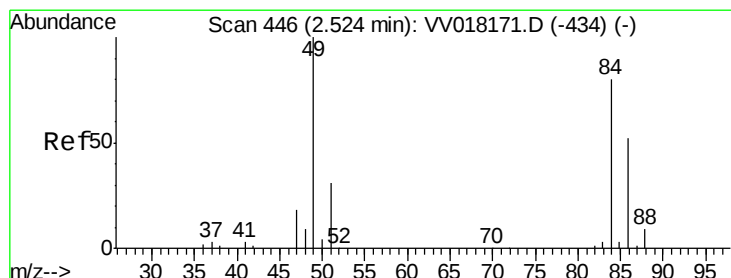
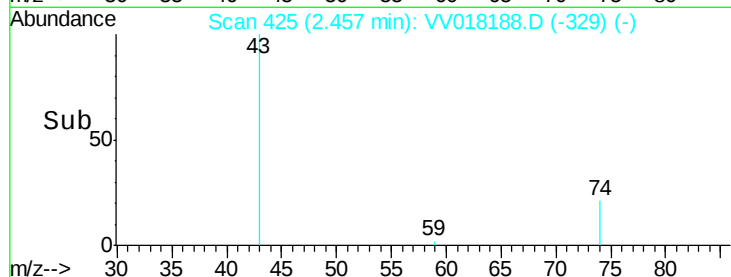
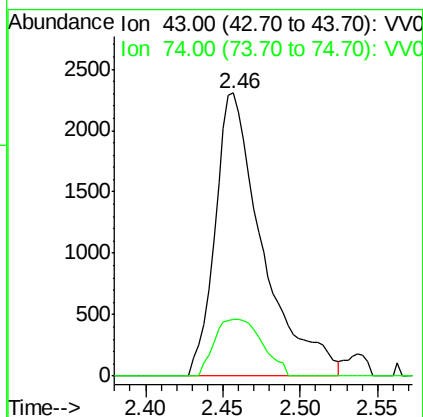
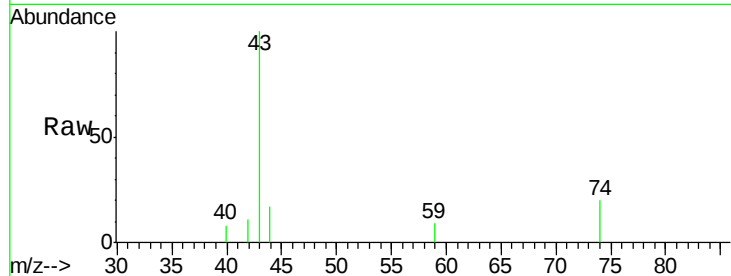
#15
Methvl Acetate
Concen: 2.362 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 43 Resp: 4928
Ion Ratio Lower Upper
43 100
74 20.3 18.4 27.6

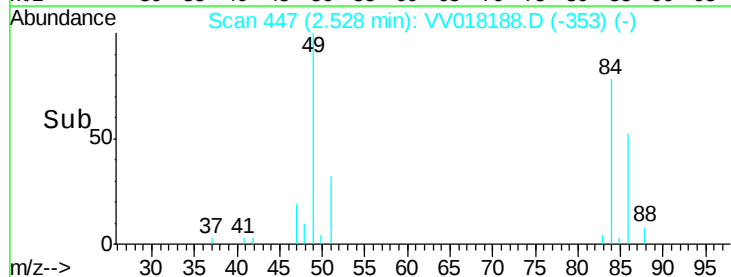
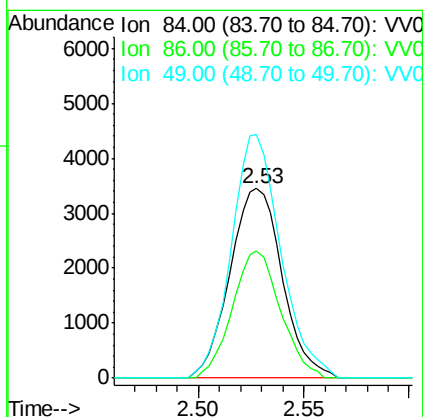
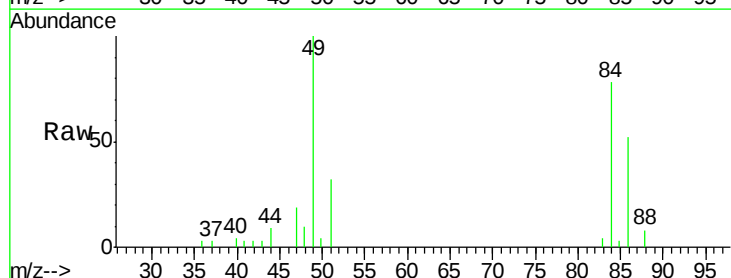
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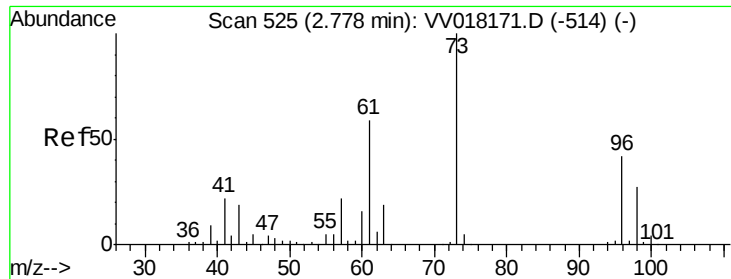
MMDadoda
9/11/2020 10:29:12 AM



#16
Methylene chloride
Concen: 2.774 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Tgt Ion: 84 Resp: 5936
Ion Ratio Lower Upper
84 100
86 67.3 44.4 82.4
49 128.6 87.2 162.0





#17

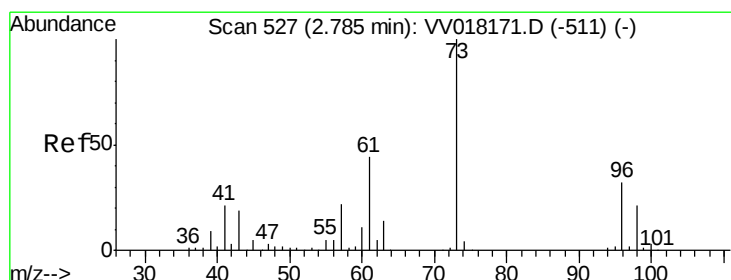
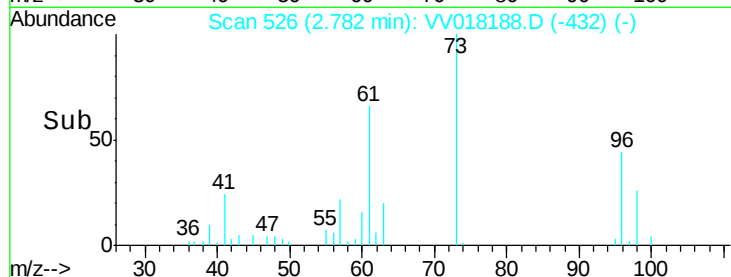
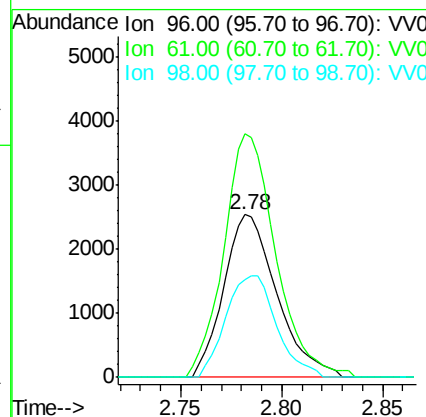
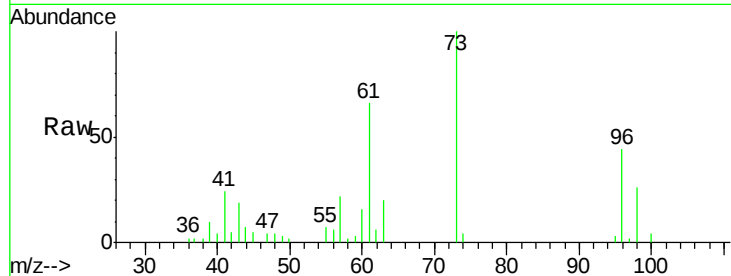
trans-1,2-Dichloroethene
Concen: 2.373 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.5	100.7	186.9	
98	60.1	45.2	84.0	

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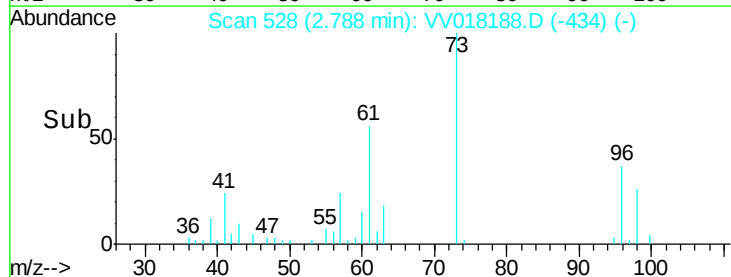
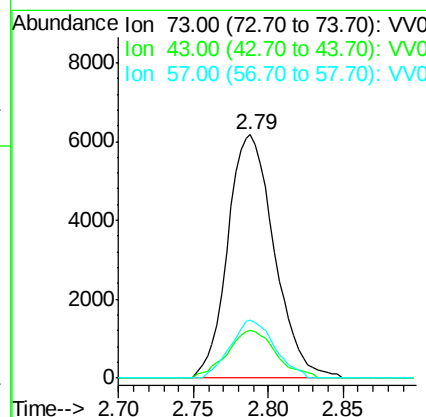
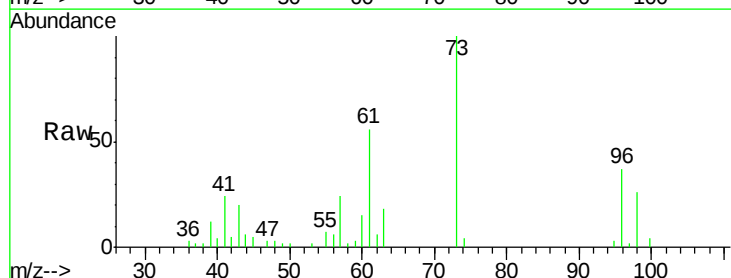
MMDadoda
9/11/2020 10:29:12 AM

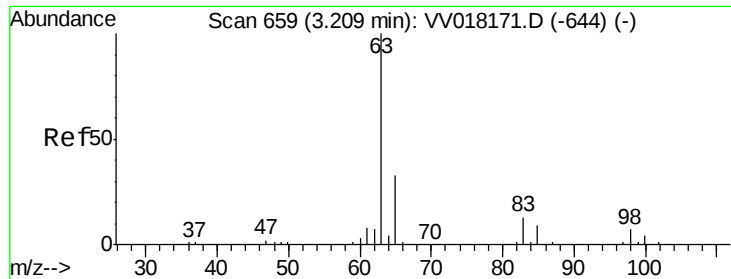


#18

Methyl tert-butyl Ether
Concen: 2.200 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	20.5	15.4	23.0	
57	22.6	18.0	27.0	





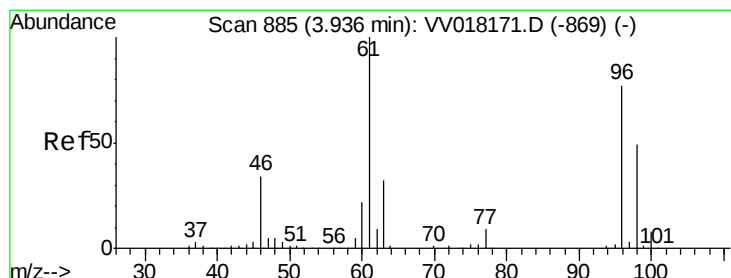
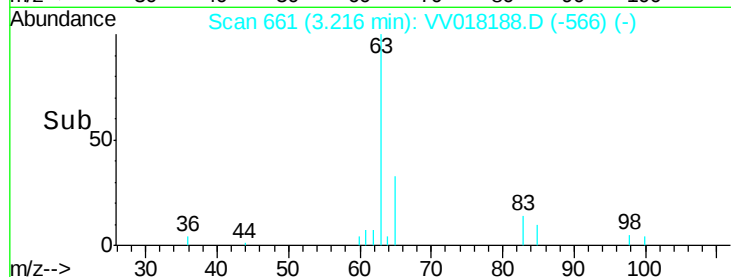
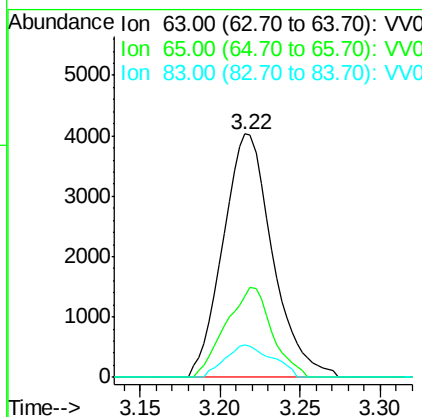
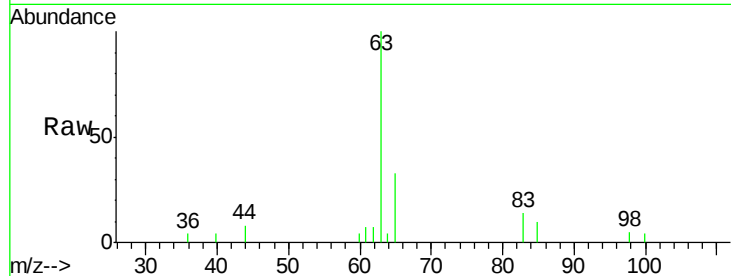
#19
 1,1-Dichloroethane
 Concen: 2.299 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.3	22.5	41.7
83	13.6	9.3	17.3

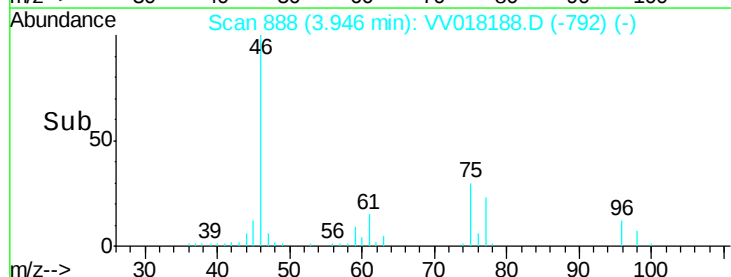
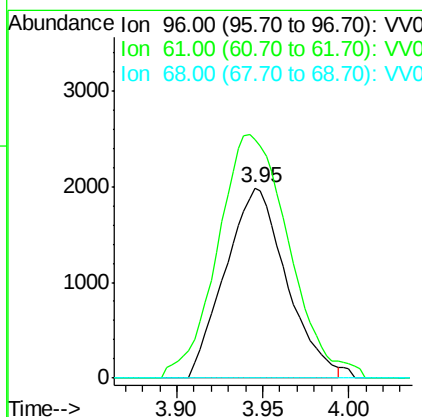
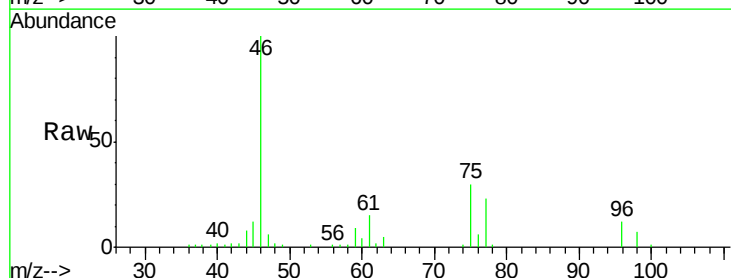
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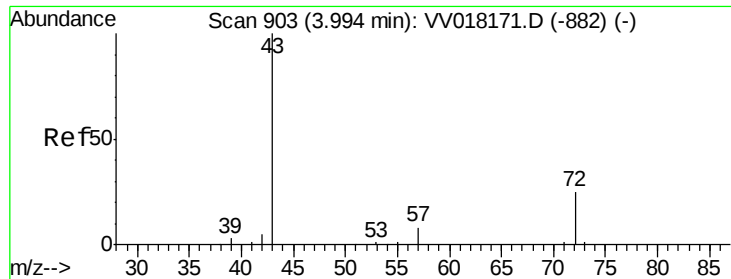
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.334 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.5	93.6	173.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.279 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 43 Resp: 5882

Ion Ratio Lower Upper

43 100

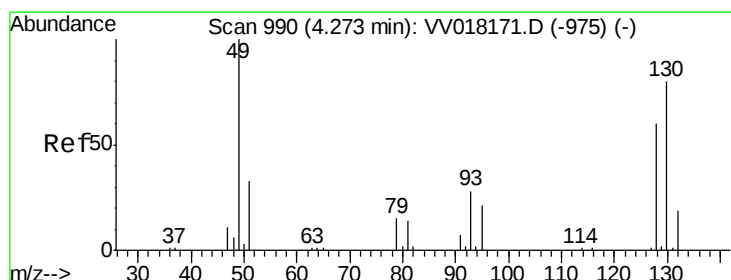
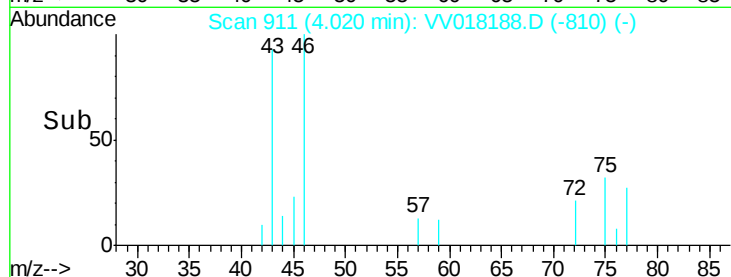
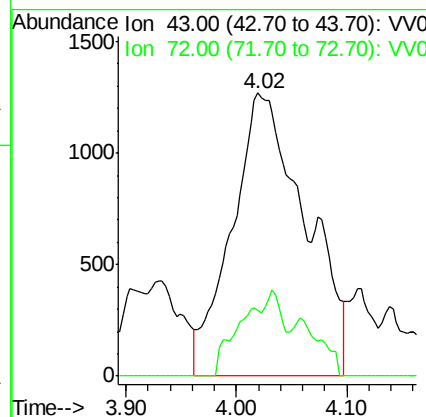
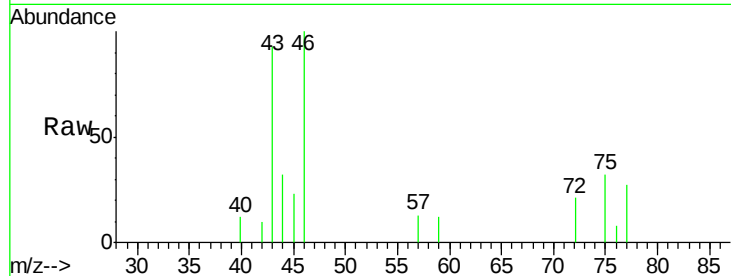
72 2.0 13.1 39.3#

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#23

Bromochloromethane

Concen: 2.339 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion: 128 Resp: 2572

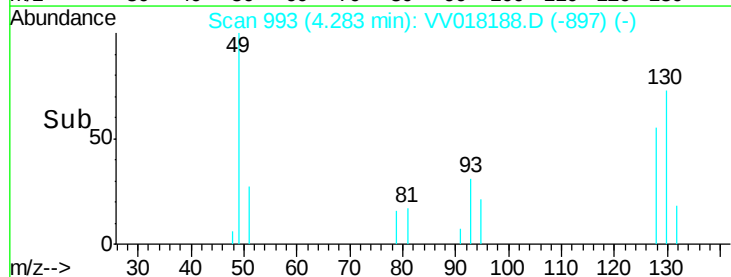
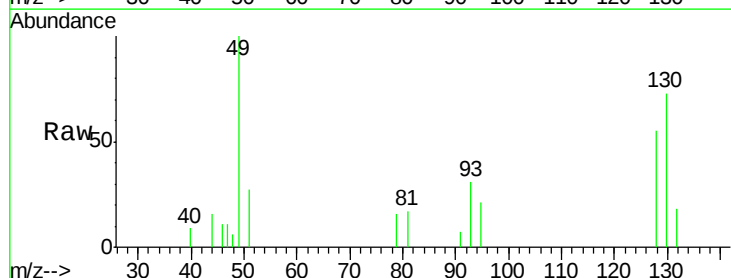
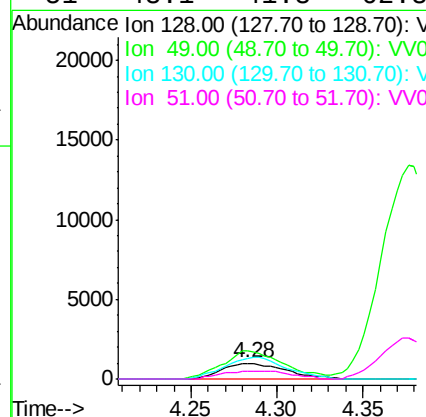
Ion Ratio Lower Upper

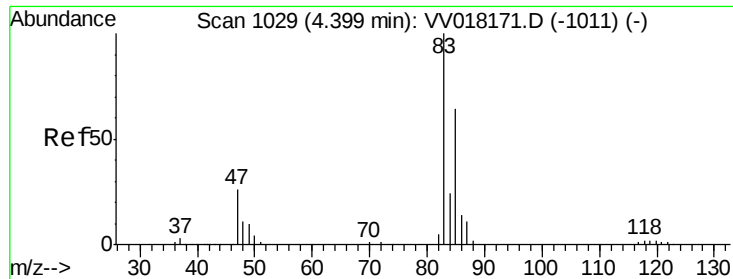
128 100

49 180.8 114.4 212.6

130 131.5 87.9 163.3

51 48.1 41.8 62.8





#25

Chloroform

Concen: 4.611 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 83 Resp: 17425

Ion Ratio Lower Upper

83 100

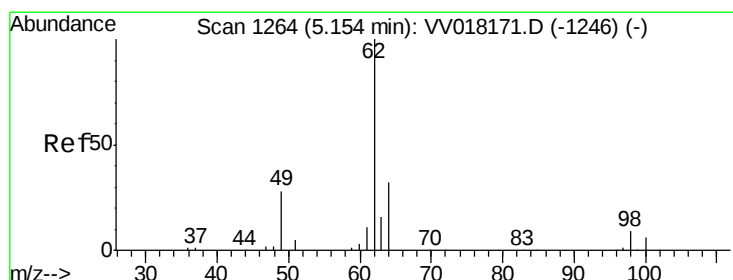
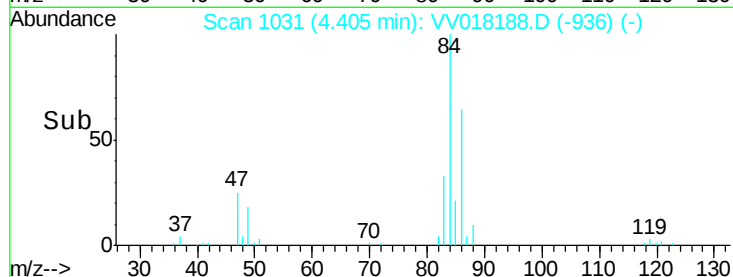
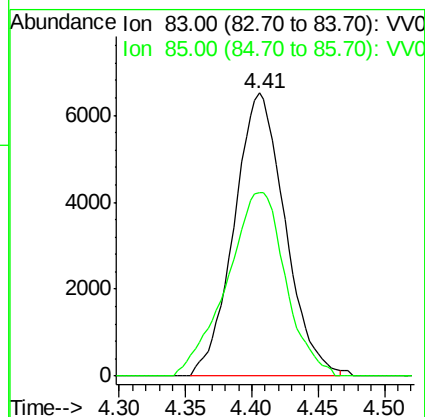
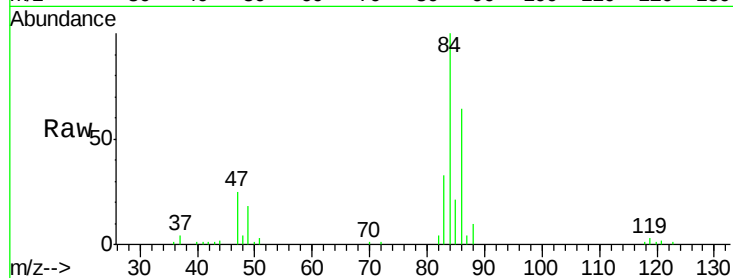
85 64.8 45.0 83.6

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.512 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV018188.D

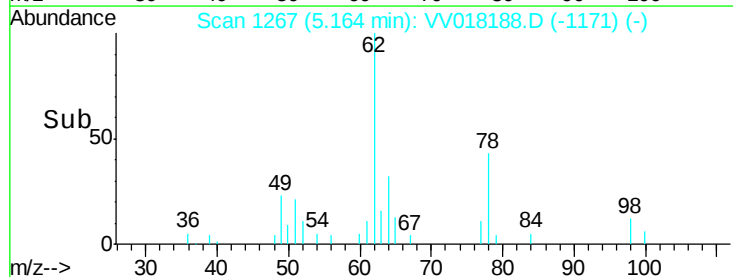
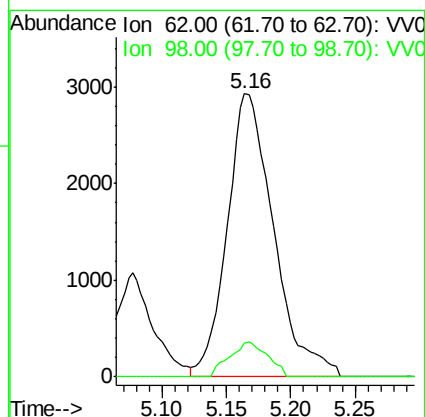
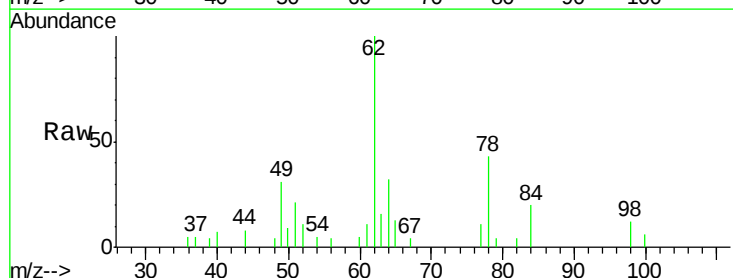
Acq: 10 Sep 2020 18:56

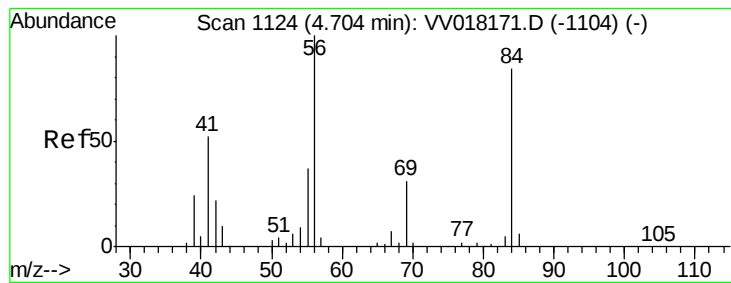
Tgt Ion: 62 Resp: 7349

Ion Ratio Lower Upper

62 100

98 11.7 7.6 11.4#





#29

Cyclohexane

Concen: 2.160 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

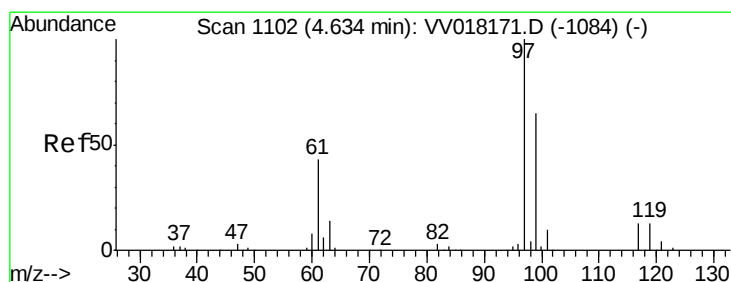
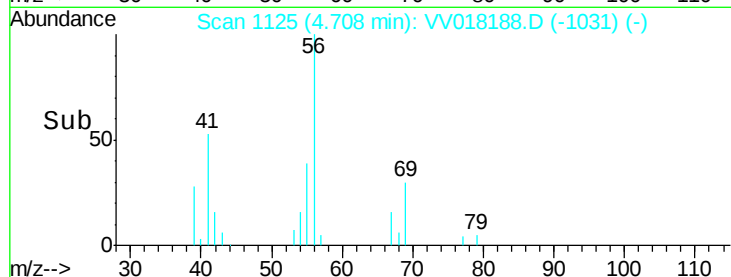
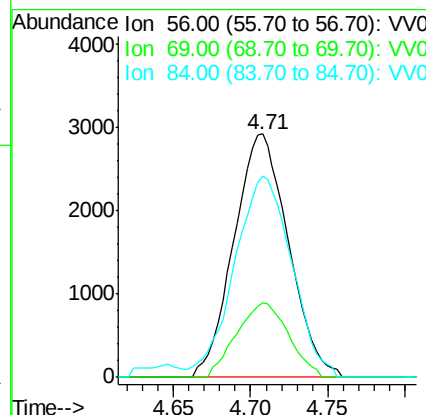
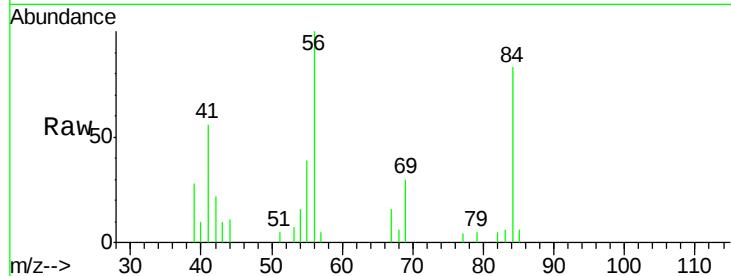
ClientSampleId :

MDL06

Tot Ion:	56	Resp:	7176
Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.2	36.2
84	86.7	68.3	102.5

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#30

1,1,1-Trichloroethane

Concen: 2.275 ug/L

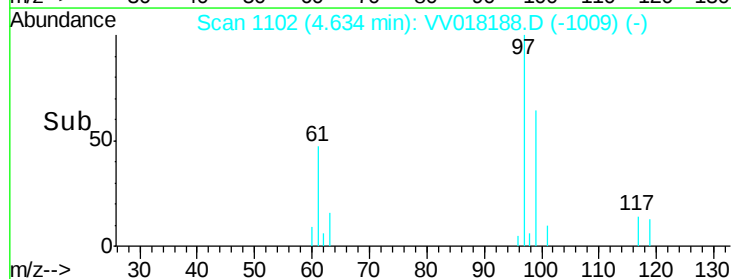
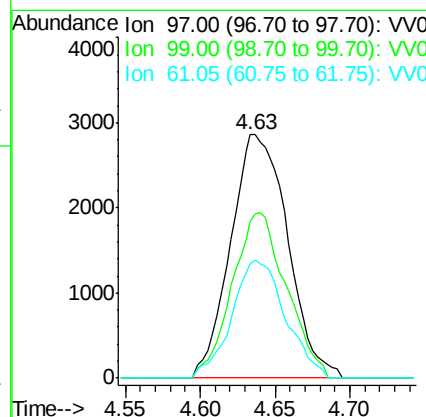
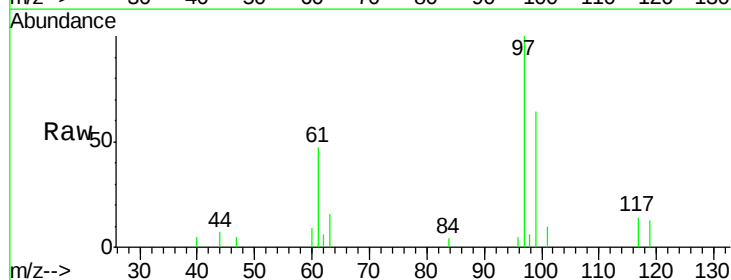
RT: 4.63 min Scan# 1102

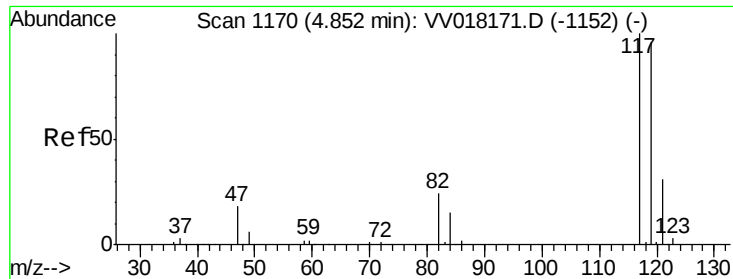
Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion:	97	Resp:	7596
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	45.4	34.9	52.3





#31

Carbon tetrachloride

Concen: 2.247 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:117 Resp: 6596

Ion Ratio Lower Upper

117 100

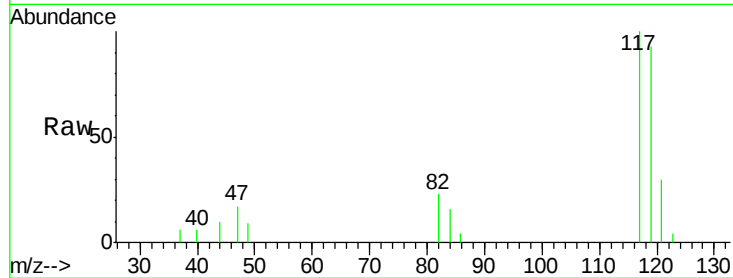
119 95.1 75.7 113.5

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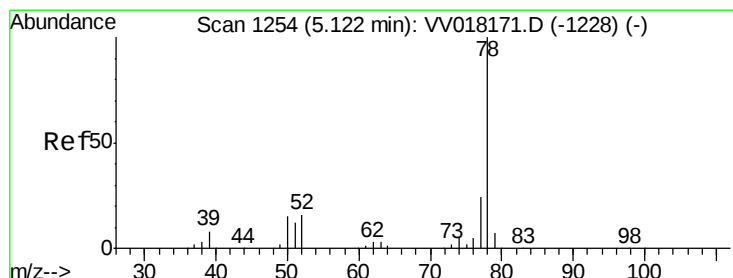
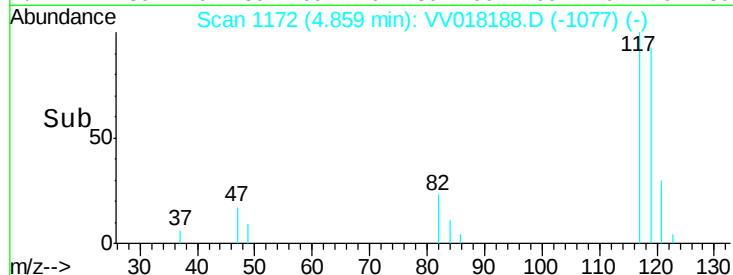
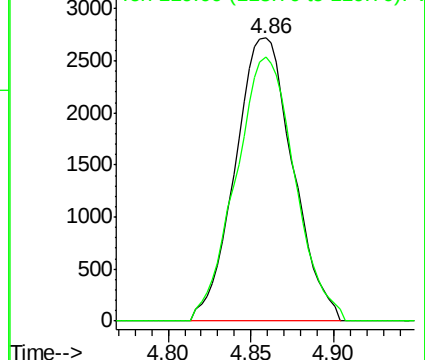
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.394 ug/L

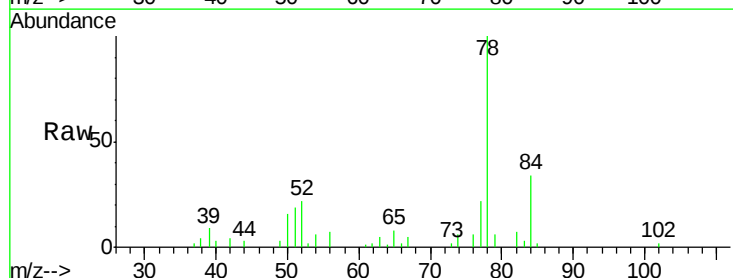
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

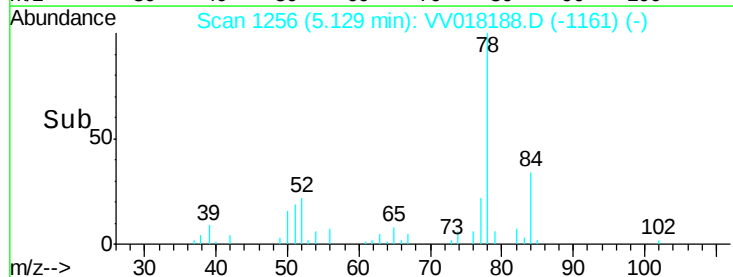
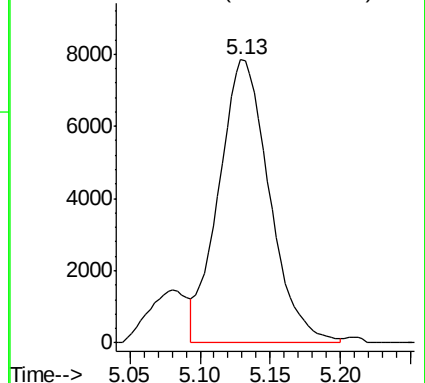
Lab File: VV018188.D

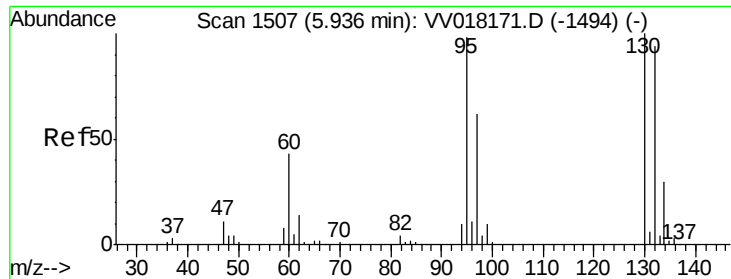
Acq: 10 Sep 2020 18:56

Tgt Ion: 78 Resp: 19689



Abundance Ion 78.00 (77.70 to 78.70): VV0





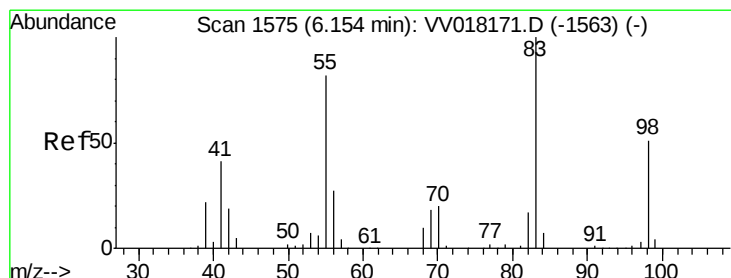
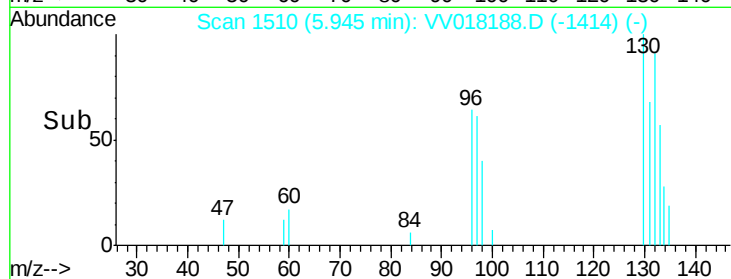
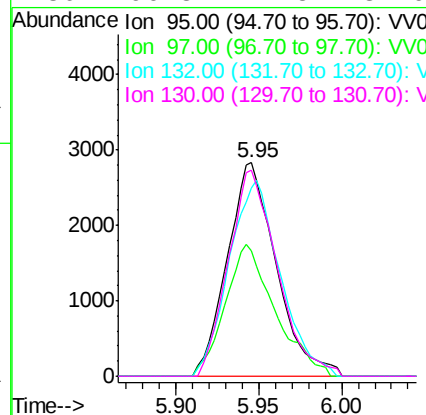
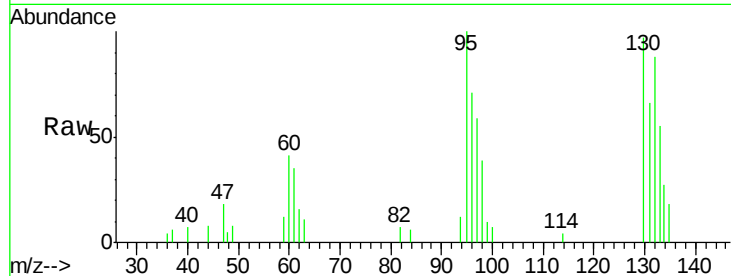
#34
 Trichloroethene
 Concen: 2.599 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion:	95	Resp:	5823
Ion	Ratio	Lower	Upper
95	100		
97	58.9	46.3	85.9
132	88.0	68.1	126.5
130	96.8	71.5	132.9

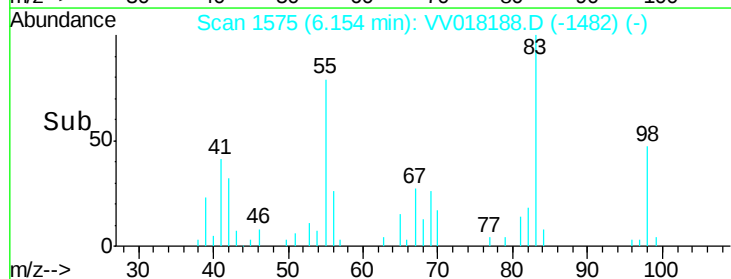
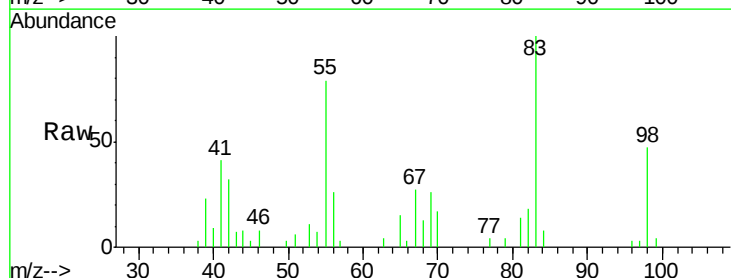
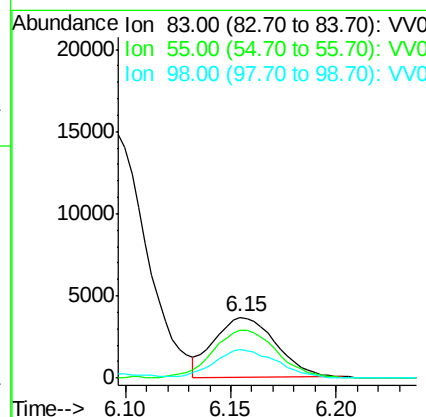
Manual Integrations
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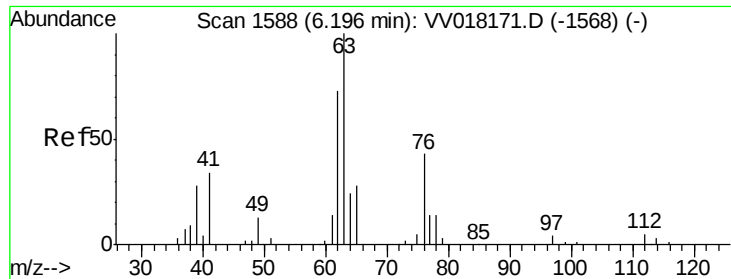
MMDadoda
 9/11/2020 10:29:12 AM



#35
 Methylcyclohexane
 Concen: 2.158 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion:	83	Resp:	7279
Ion	Ratio	Lower	Upper
83	100		
55	84.6	63.4	95.2
98	49.6	38.8	58.2





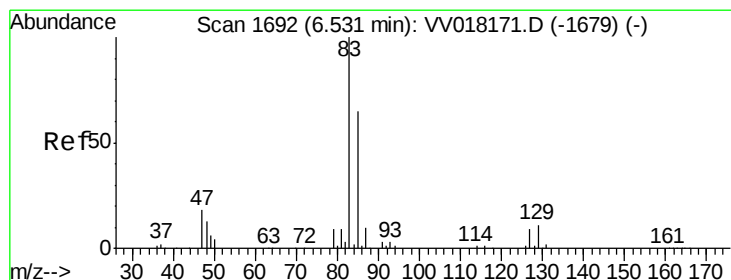
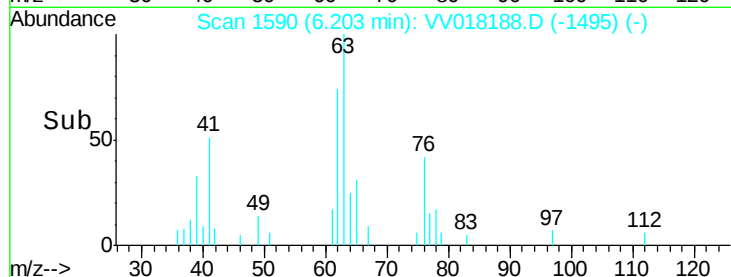
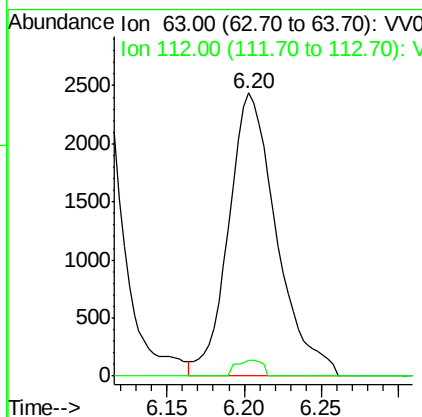
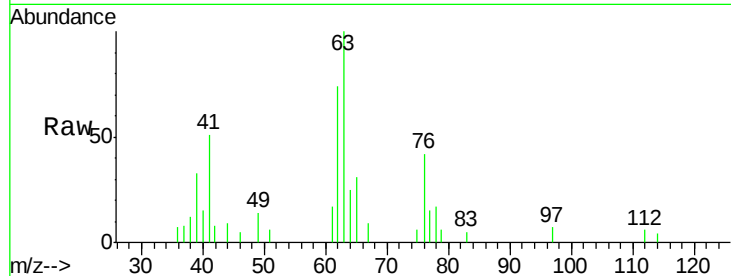
#37
 1,2-Dichloropropane
 Concen: 2.407 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 5245
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.4 5.2#

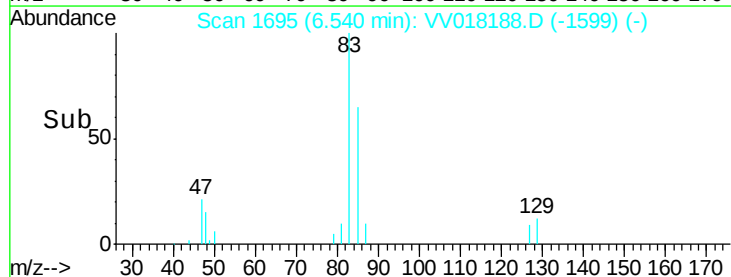
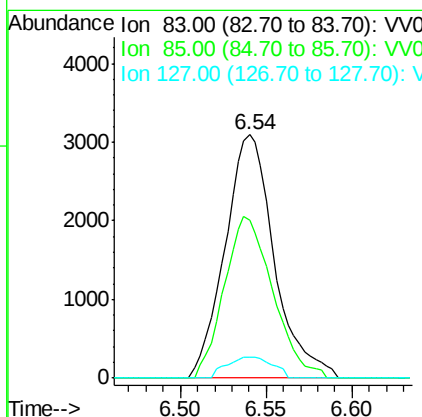
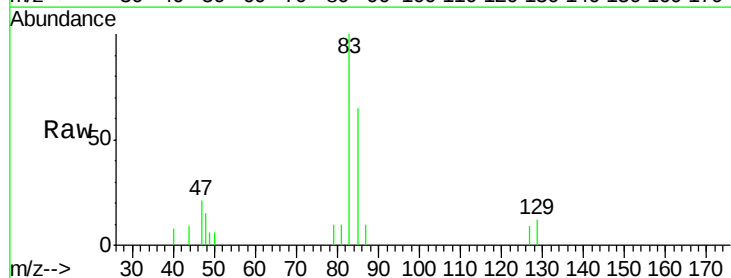
Manual Integrations
 APPROVED

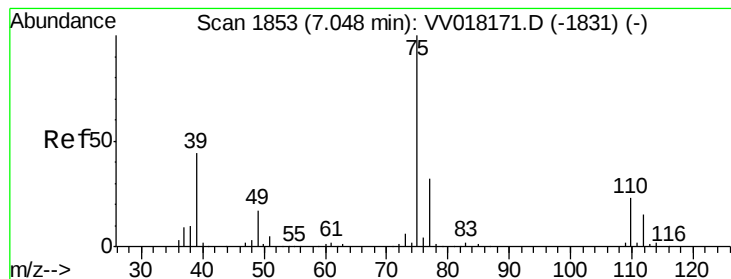
MMDadoda
 9/11/2020 10:29:12 AM



#38
 Bromodichloromethane
 Concen: 2.178 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion: 83 Resp: 6177
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.7 82.9
 127 8.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 2.182 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 75 Resp: 7326

Ion Ratio Lower Upper

75 100

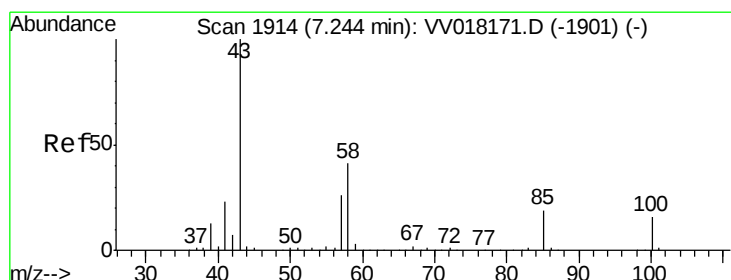
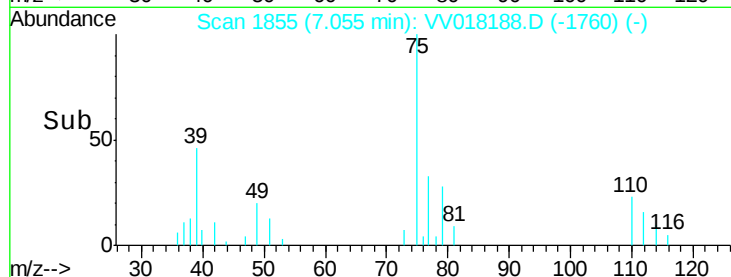
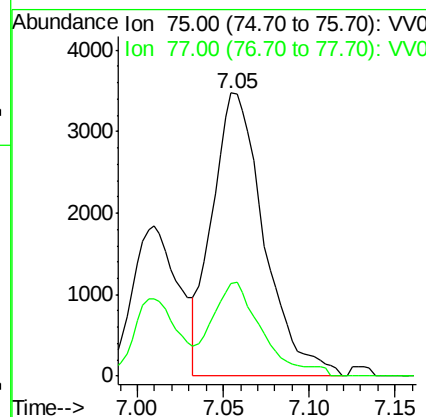
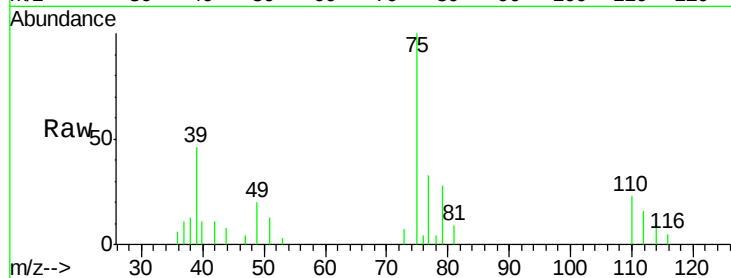
77 32.7 22.3 41.3

Manual Integrations

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MMDadoda

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#40

4-Methyl-2-pentanone

Concen: 4.005 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

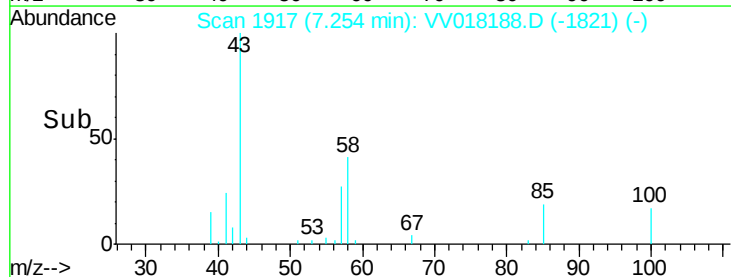
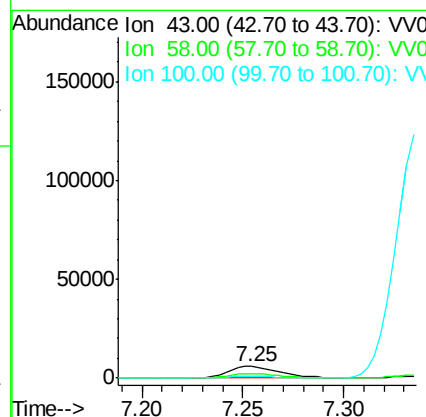
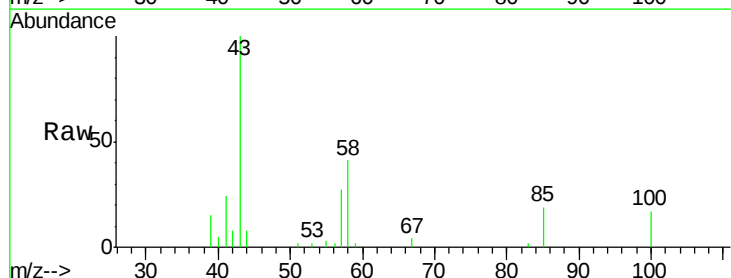
Tgt Ion: 43 Resp: 10588

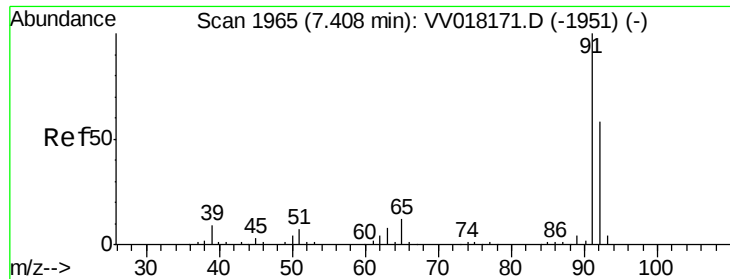
Ion Ratio Lower Upper

43 100

58 40.8 32.4 48.6

100 15.8 12.7 19.1





#42

Toluene

Concen: 2.323 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 91 Resp: 20216

Ion Ratio Lower Upper

91 100

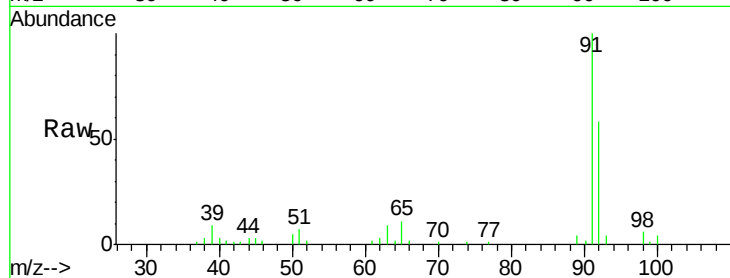
92 58.4 40.7 75.5

Manual Integrations

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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

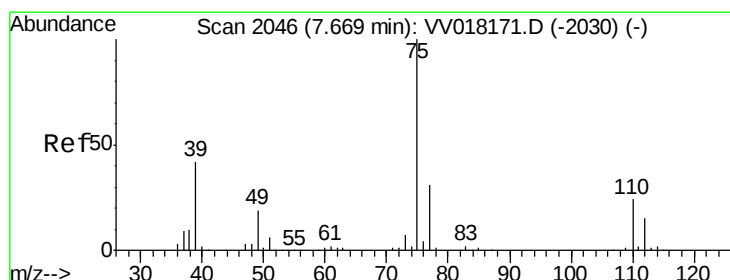
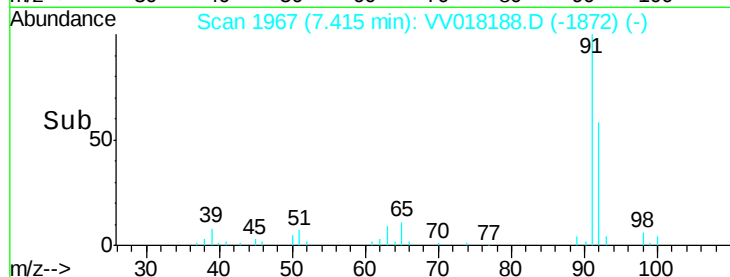
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.065 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018188.D

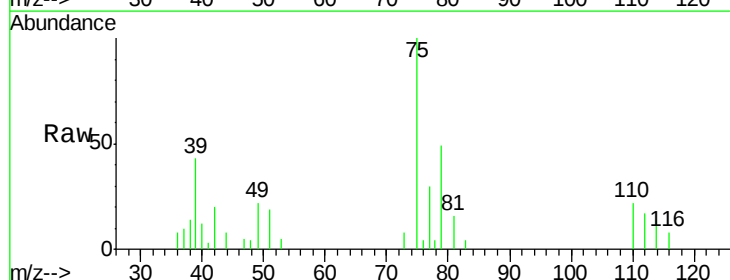
Acq: 10 Sep 2020 18:56

Tgt Ion: 75 Resp: 6753

Ion Ratio Lower Upper

75 100

77 30.3 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

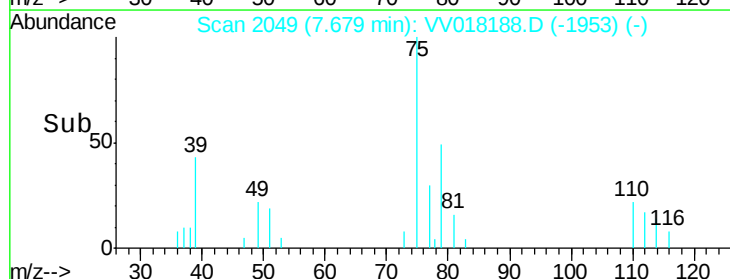
3000

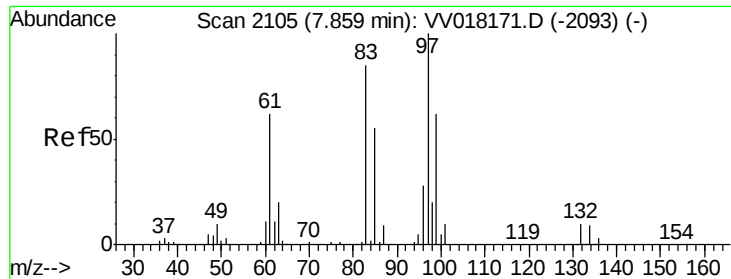
2000

1000

0

Time-->





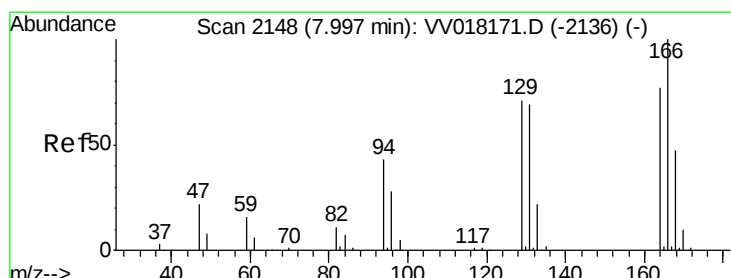
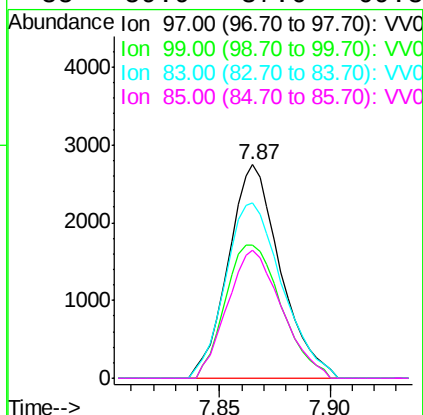
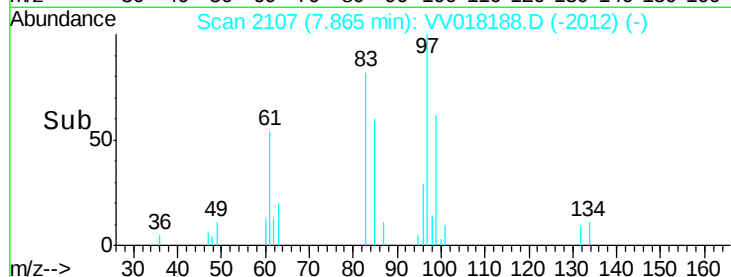
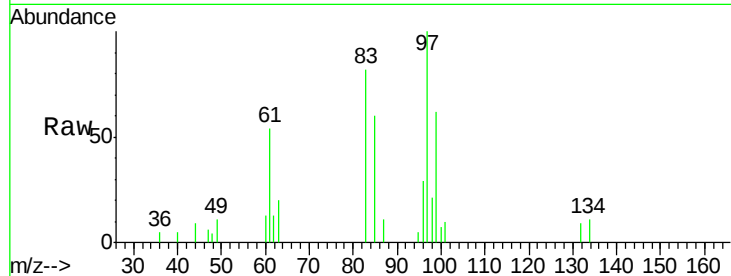
#45
1,1,2-Trichloroethane
Concen: 2.231 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:	97	Resp:	4507
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.7	81.1
83	81.9	59.9	111.3
85	59.9	37.6	69.8

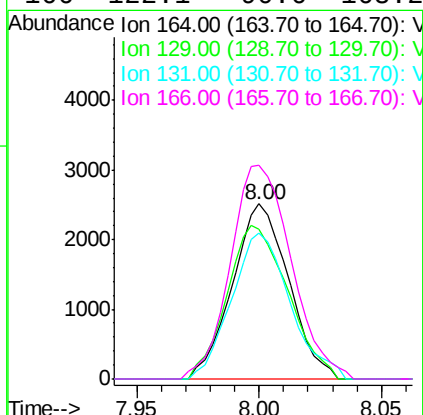
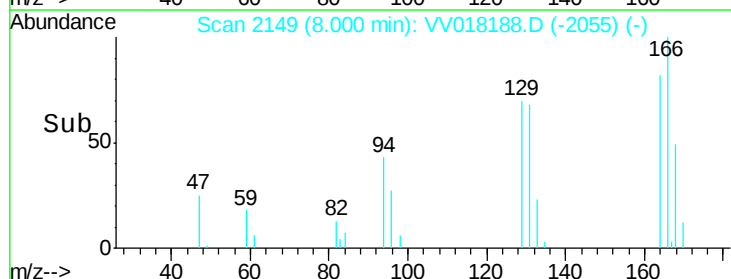
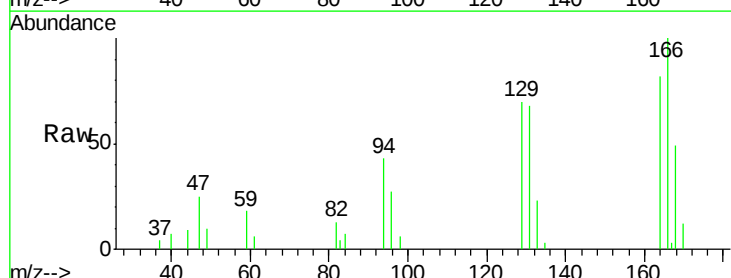
Manual Integrations
APPROVED

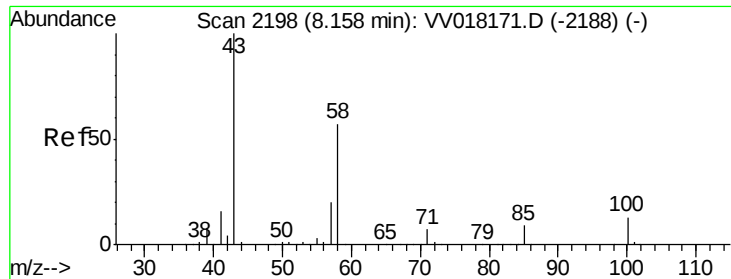
MMDadoda
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#46
Tetrachloroethene
Concen: 2.286 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Tgt Ion:	164	Resp:	4015
Ion	Ratio	Lower	Upper
164	100		
129	85.4	64.5	119.7
131	83.2	61.8	114.8
166	122.1	90.6	168.2





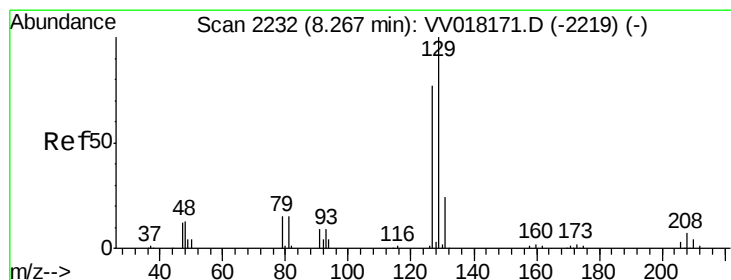
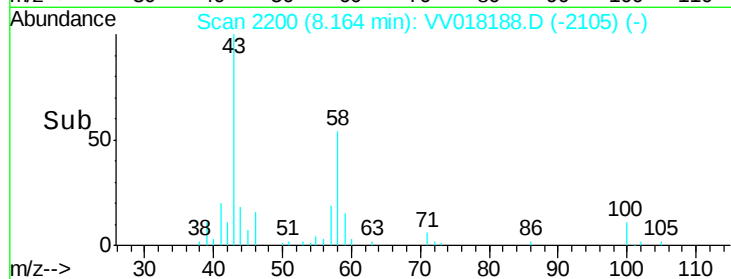
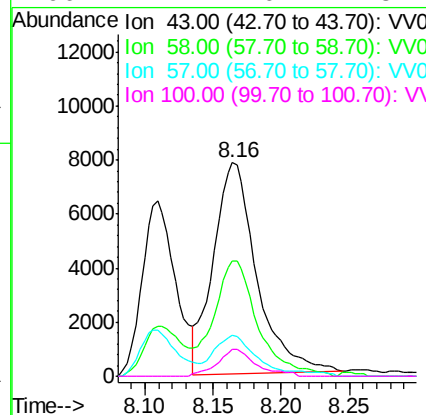
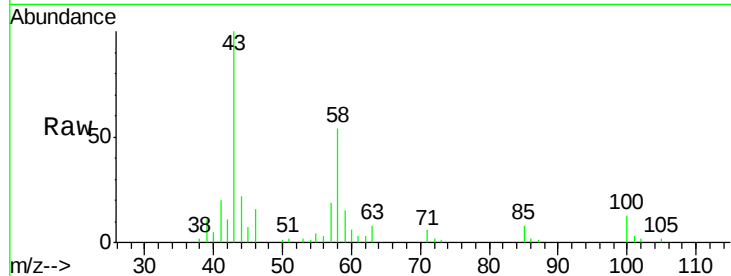
#48
2-Hexanone
Concen: 8.248 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.8	67.2
57	15.4	15.8	23.6
100	11.4	10.2	15.4

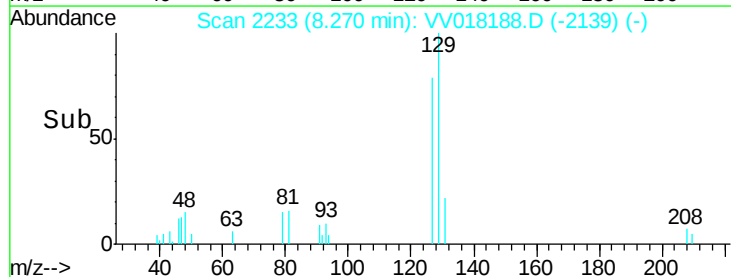
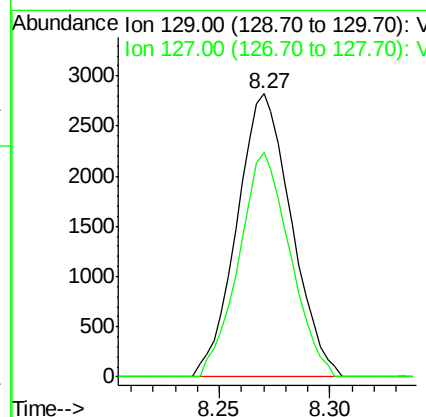
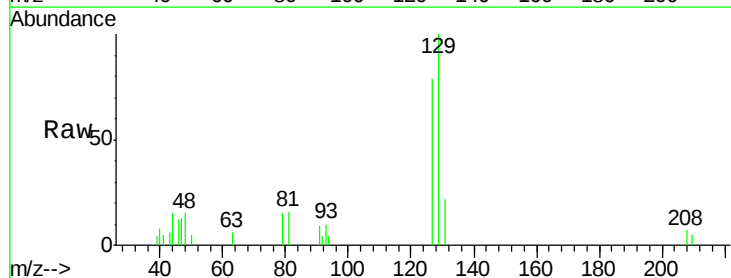
Manual Integrations
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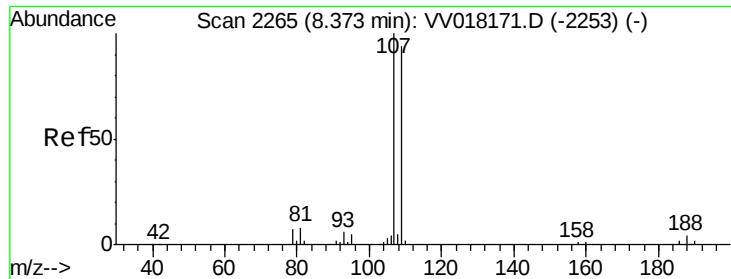
MMDadoda
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#49
Dibromochloromethane
Concen: 2.138 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018188.D
Acq: 10 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.5	101.1





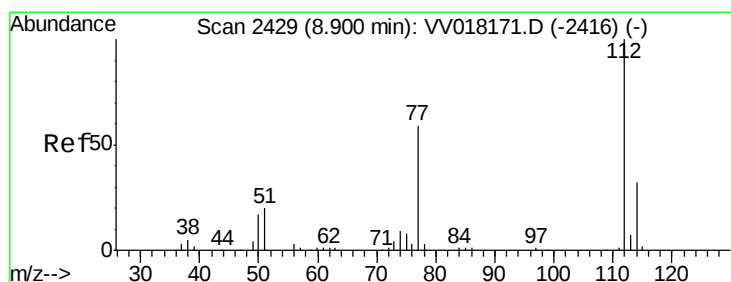
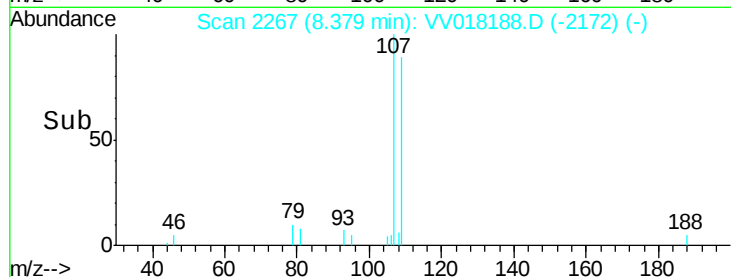
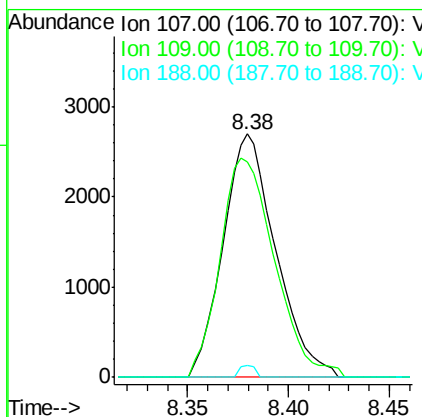
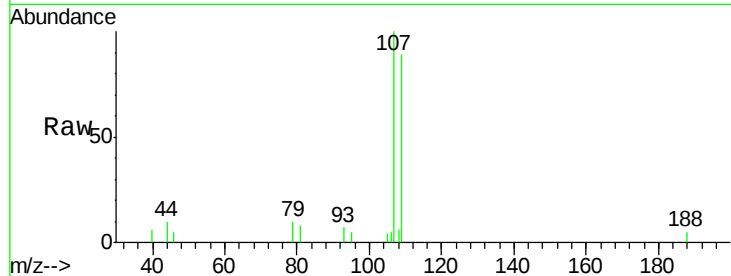
#50
 1,2-Dibromoethane
 Concen: 2.311 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Resp	Lower	Upper
107	100	4912		
109	88.6	66.1	122.8	
188	4.9	3.2	4.8#	

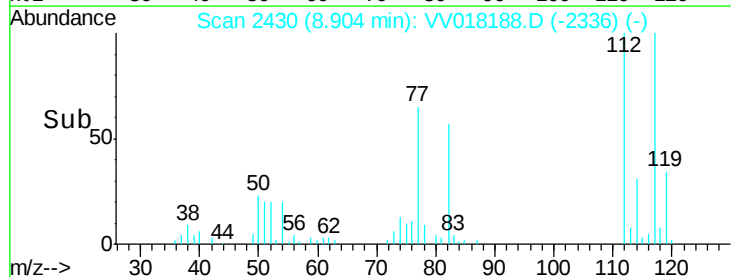
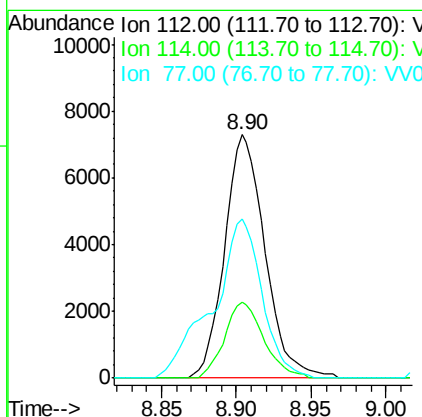
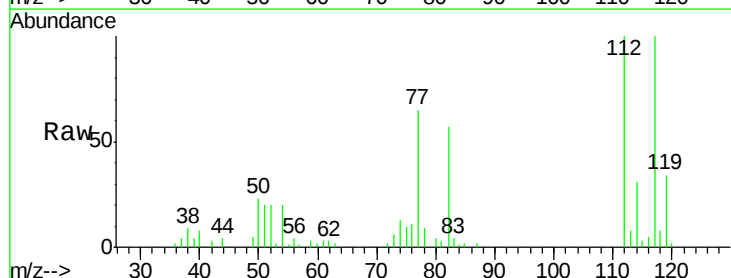
Manual Integrations
 APPROVED

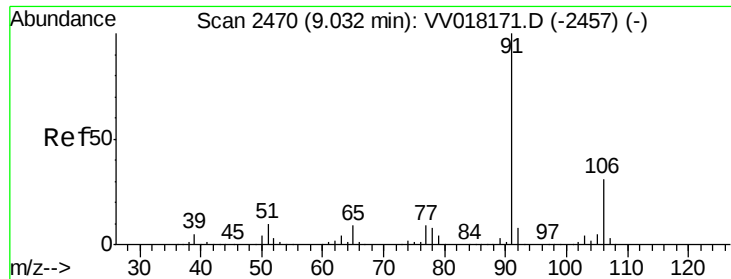
MMDadoda
 9/11/2020 10:29:12 AM



#51
 Chlorobenzene
 Concen: 2.420 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	13680		
114	31.0	22.6	42.0	
77	65.2	48.0	72.0	





#52

Ethylbenzene

Concen: 2.111 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 20061

Ion Ratio Lower Upper

91 100

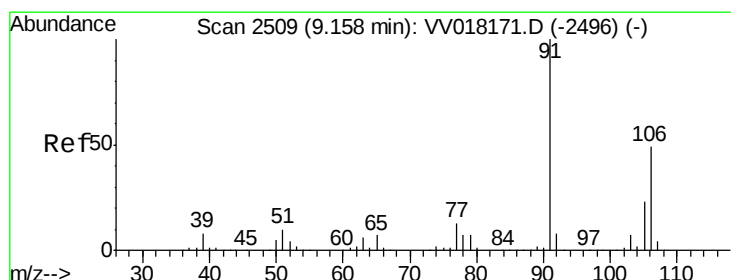
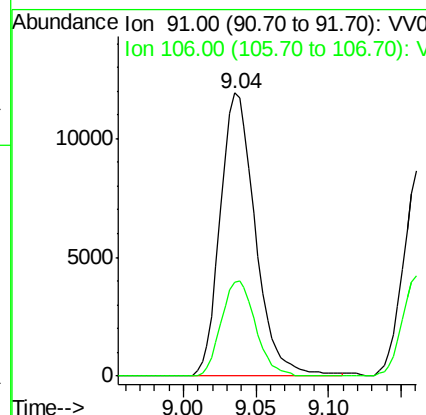
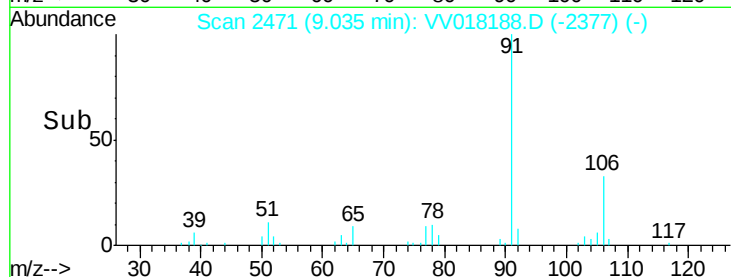
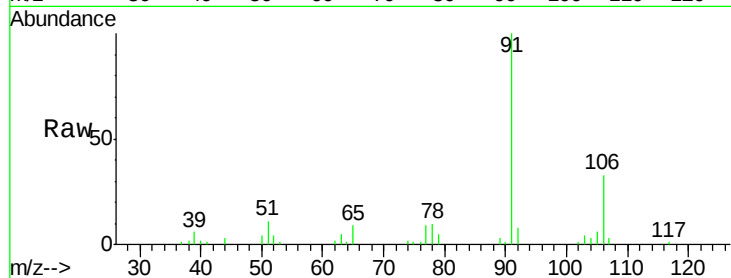
106 33.3 21.3 39.5

Manual Integrations

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#53

m,p-Xylene

Concen: 2.090 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018188.D

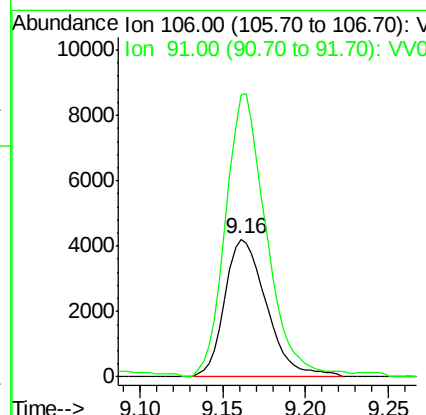
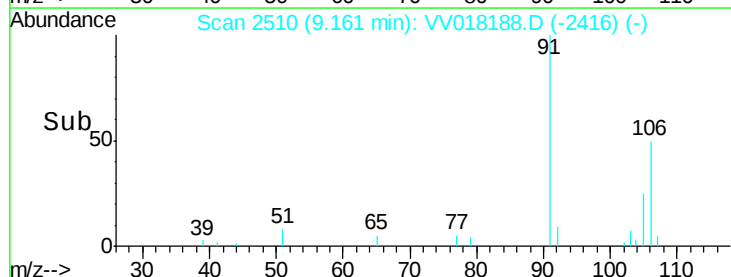
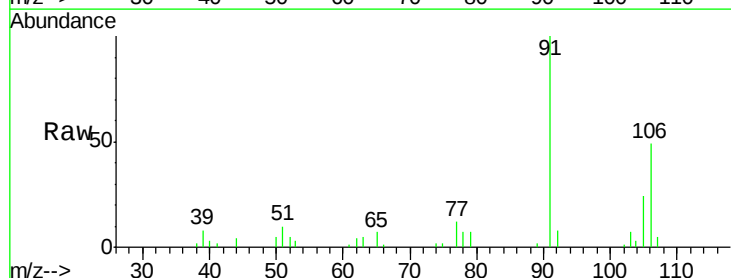
Acq: 10 Sep 2020 18:56

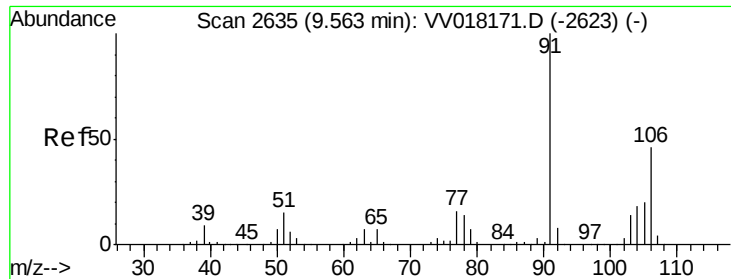
Tgt Ion: 106 Resp: 7412

Ion Ratio Lower Upper

106 100

91 204.6 146.7 272.5





#54

o-xylene

Concen: 2.092 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tot Ion:106 Resp: 7148

Ion Ratio Lower Upper

106 100

91 213.9 152.2 282.6

Instrument :

MSVOA_V

ClientSampled :

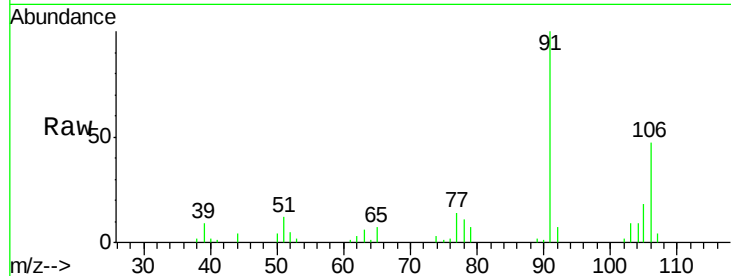
MDL06

Manual Integrations

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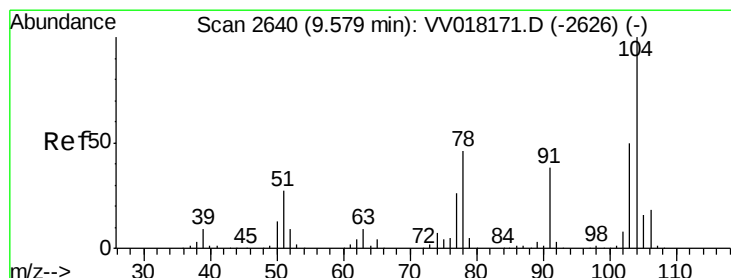
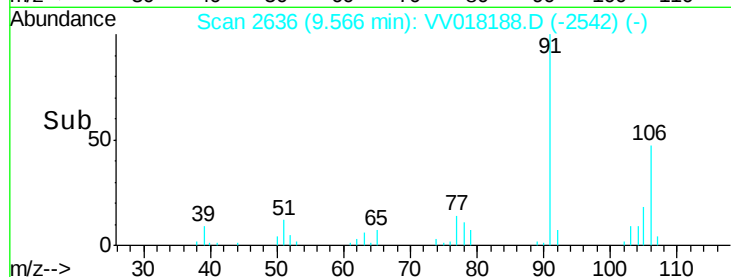
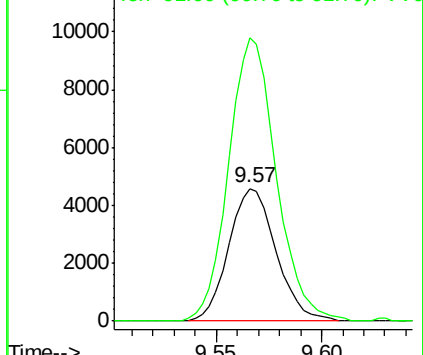
MMDadoda

9/11/2020 10:29:12 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.875 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018188.D

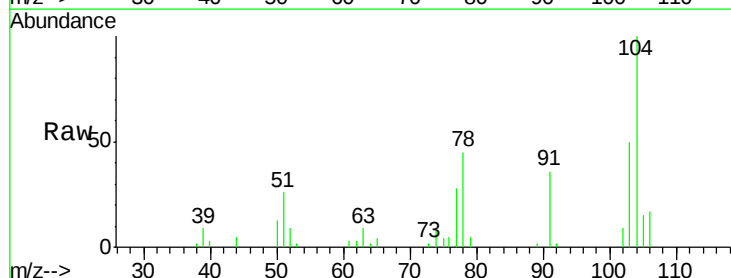
Acq: 10 Sep 2020 18:56

Tgt Ion:104 Resp: 11137

Ion Ratio Lower Upper

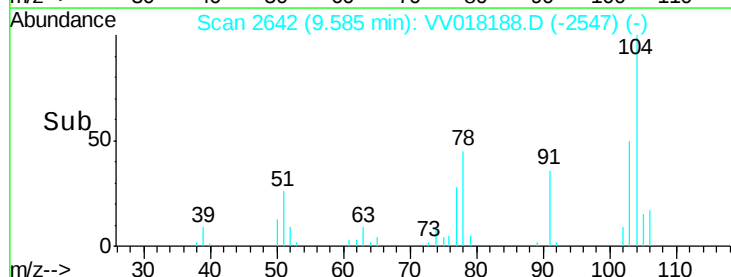
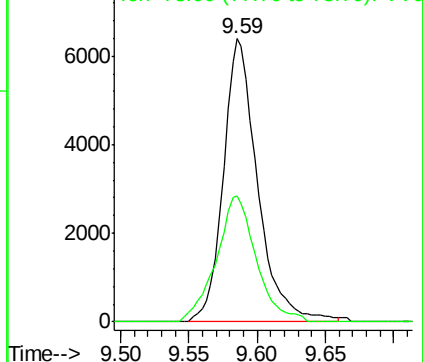
104 100

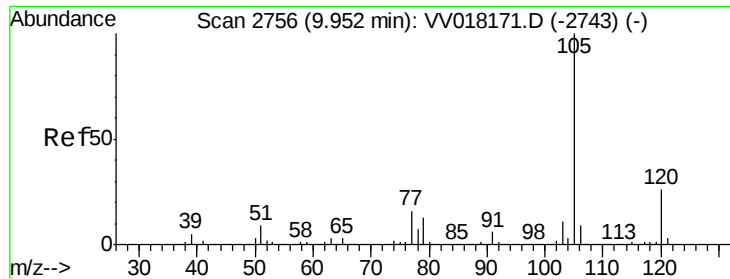
78 44.6 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.952 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

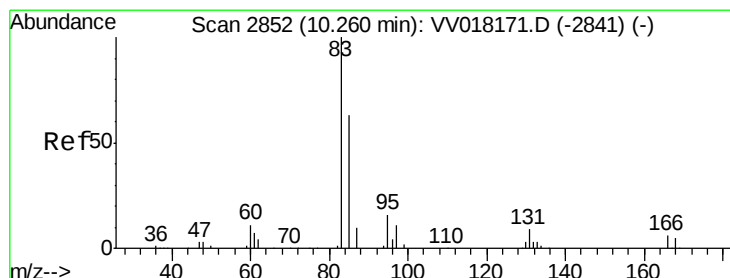
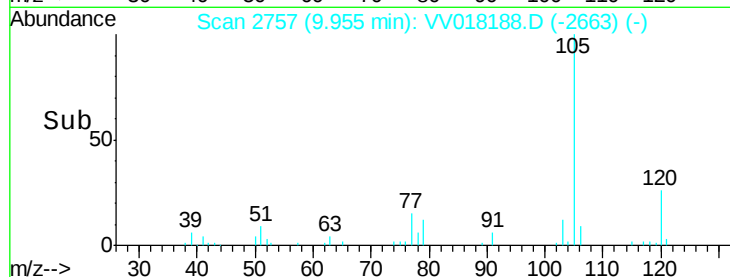
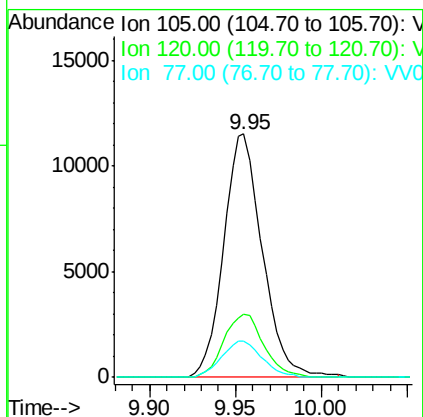
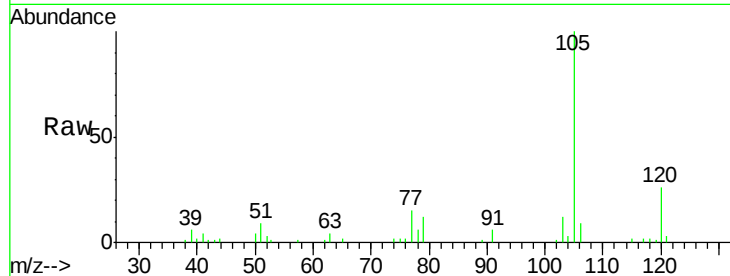
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	17977
Ion Ratio	Lower	Upper	
105	100		
120	26.8	20.9	31.3
77	15.7	12.5	18.7

Manual Integrations
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9/11/2020 10:29:12 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.443 ug/L

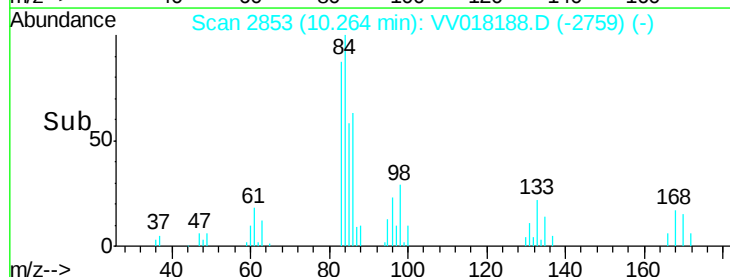
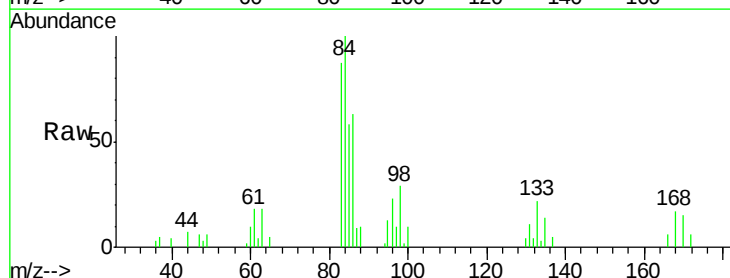
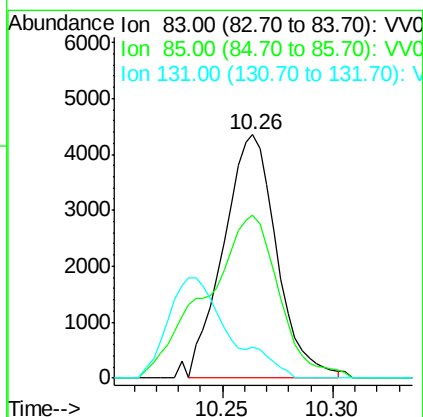
RT: 10.26 min Scan# 2853

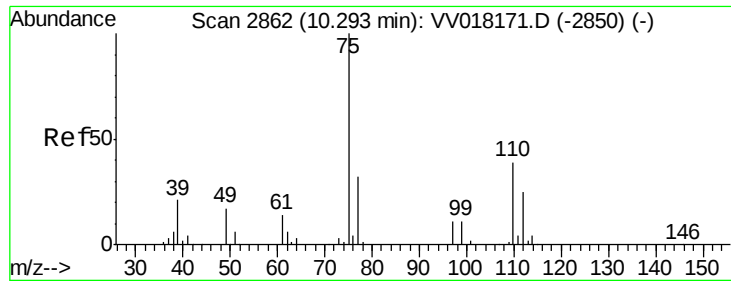
Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion:	83	Resp:	7301
Ion Ratio	Lower	Upper	
83	100		
85	66.8	45.8	85.2
131	12.6	8.0	12.0#





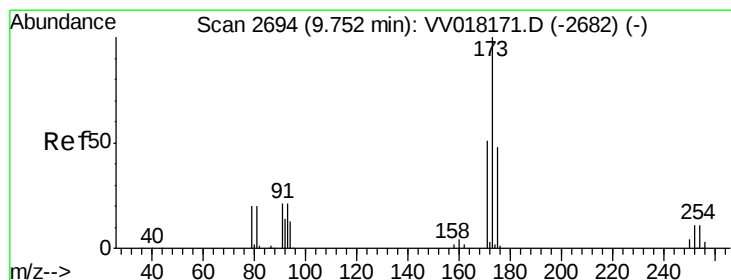
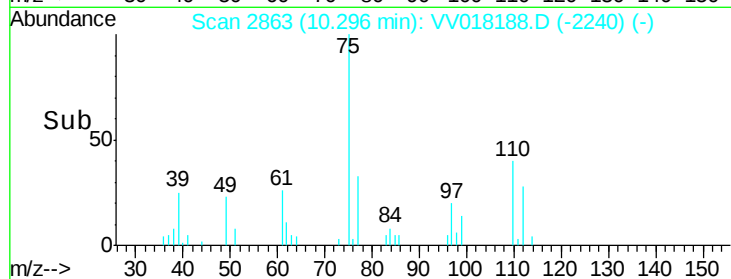
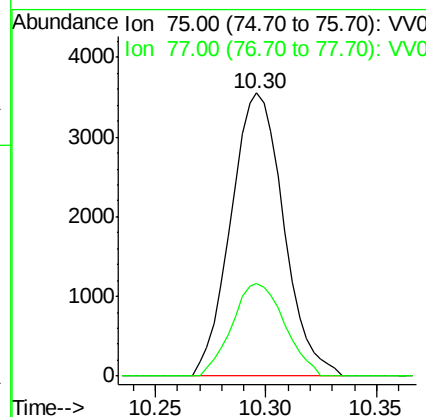
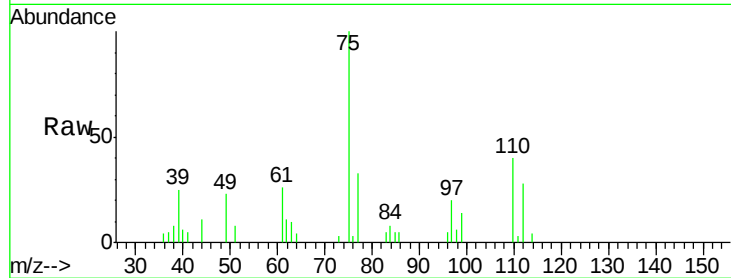
#59
 1,2,3-Trichloropropane
 Concen: 2.299 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 5894
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.6

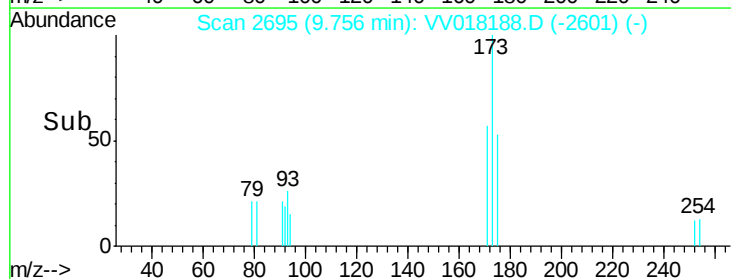
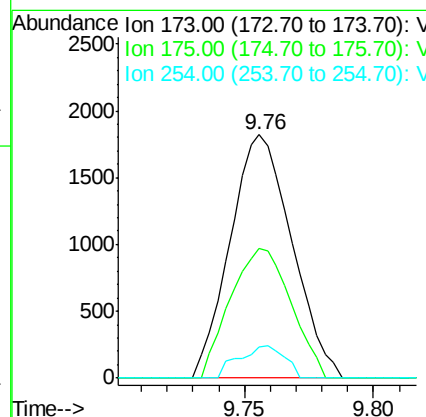
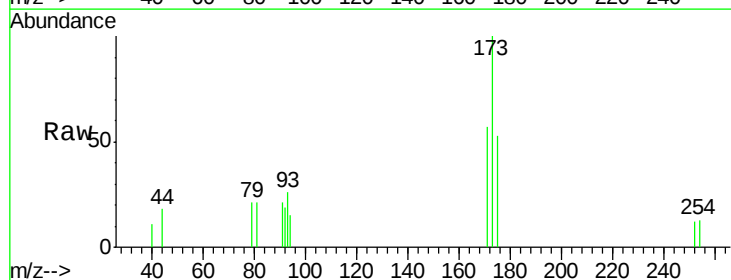
Manual Integrations
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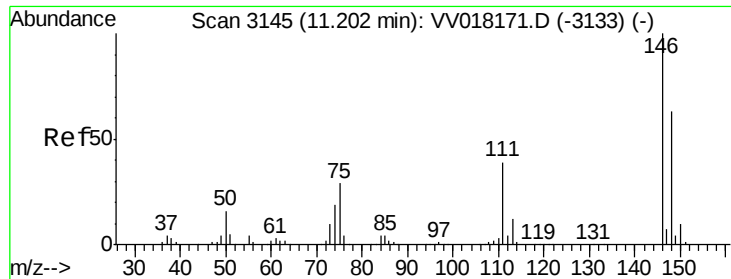
MMDadoda
 9/11/2020 10:29:12 AM



#61
 Bromoform
 Concen: 1.938 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion: 173 Resp: 3029
 Ion Ratio Lower Upper
 173 100
 175 52.2 39.0 58.6
 254 7.2 9.0 13.4#





#62

1,3-Dichlorobenzene

Concen: 2.348 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

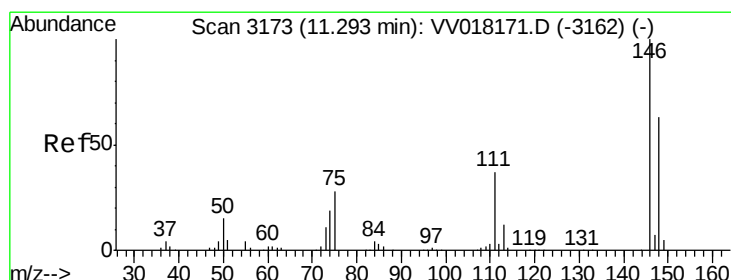
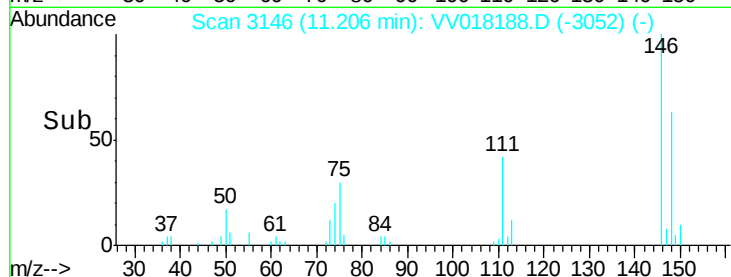
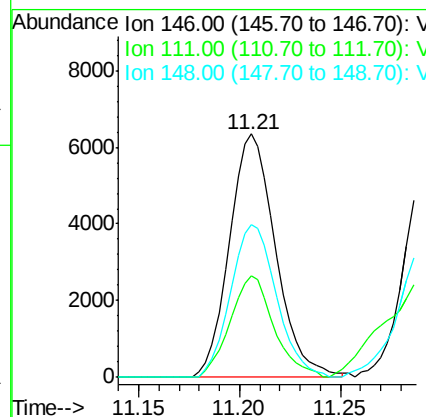
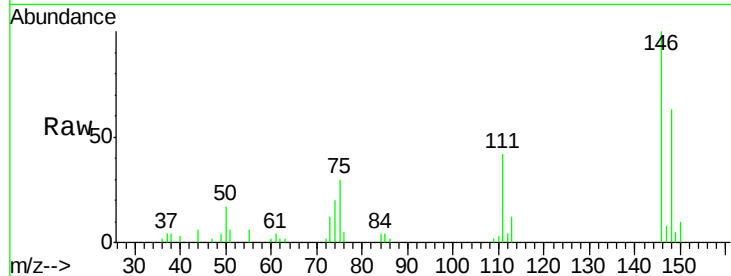
ClientSampled :

MDL06

Tot Ion:	146	Resp:	10156
Ion Ratio	Lower	Upper	
146	100		
111	41.9	27.6	51.2
148	63.0	45.4	84.2

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#63

1,4-Dichlorobenzene

Concen: 2.485 ug/L

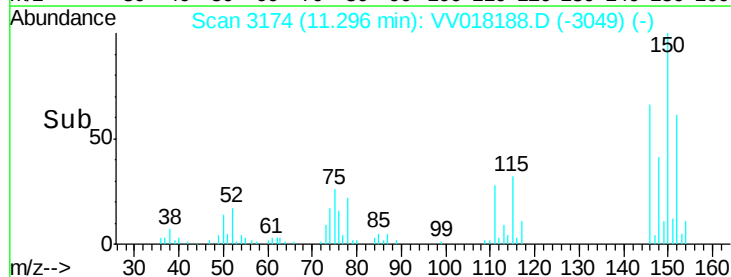
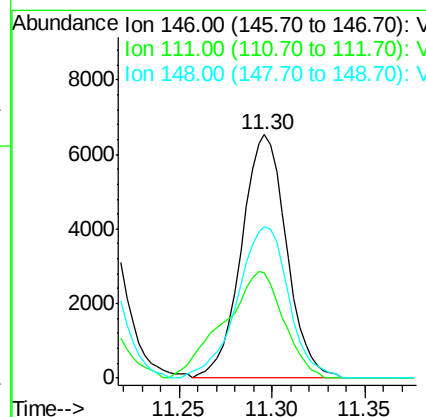
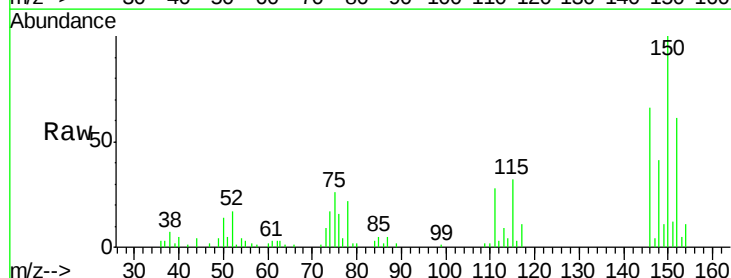
RT: 11.30 min Scan# 3174

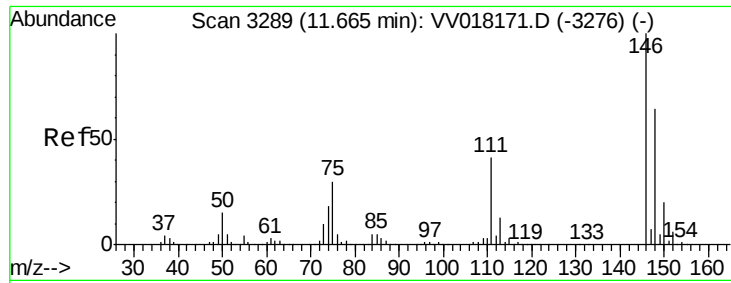
Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion:	146	Resp:	11051
Ion Ratio	Lower	Upper	
146	100		
111	43.1	27.1	50.3
148	62.4	45.4	84.2





#65

1,2-Dichlorobenzene

Concen: 2.532 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

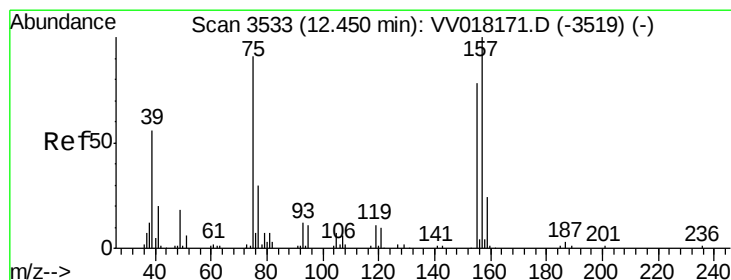
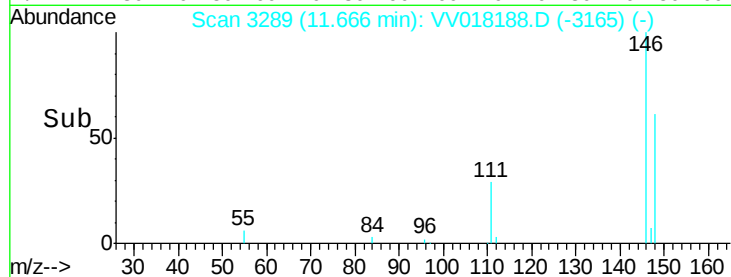
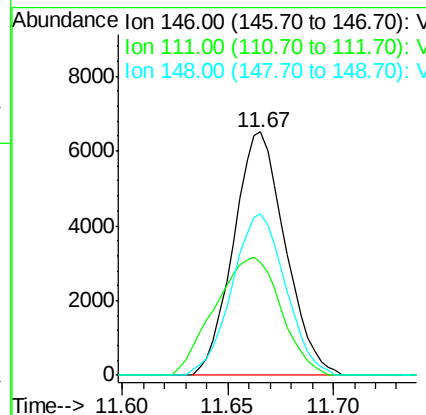
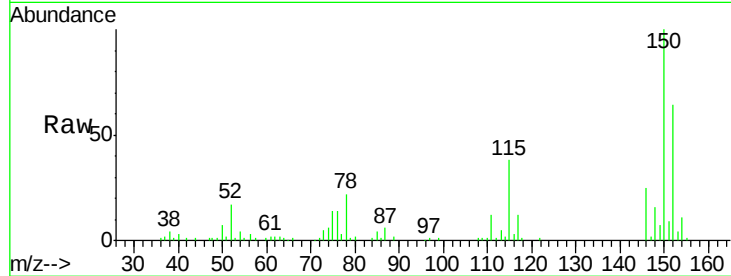
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	32.8	49.2
148	66.3	50.7	76.1

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.901 ug/L

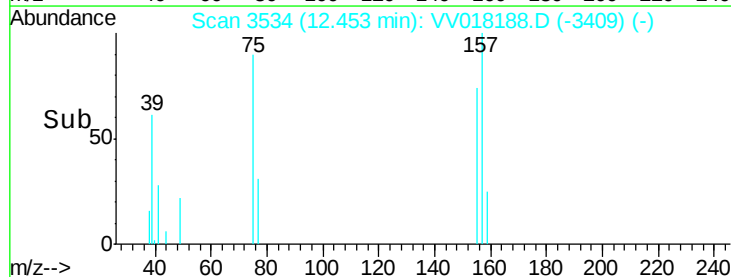
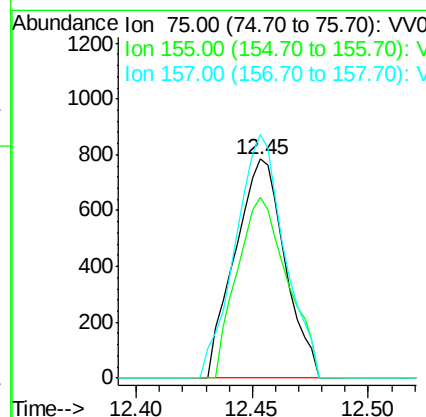
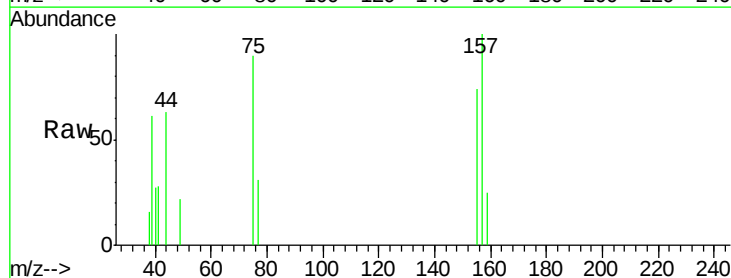
RT: 12.45 min Scan# 3534

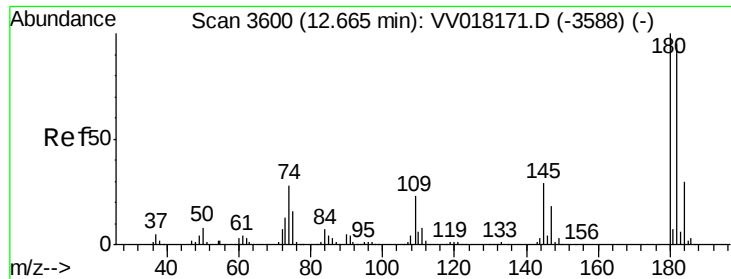
Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	69.7	104.5
157	111.1	88.2	132.4





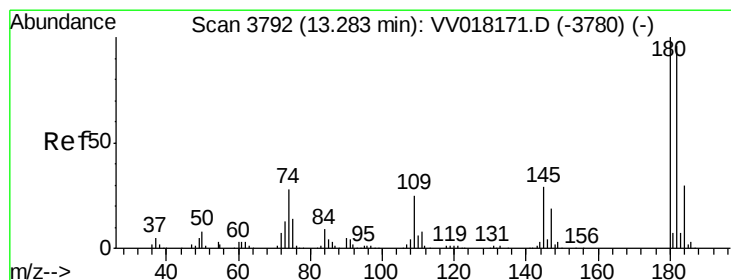
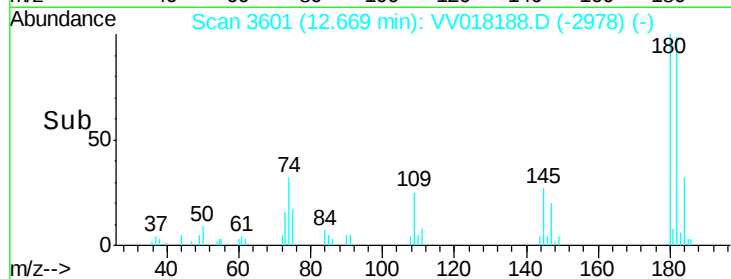
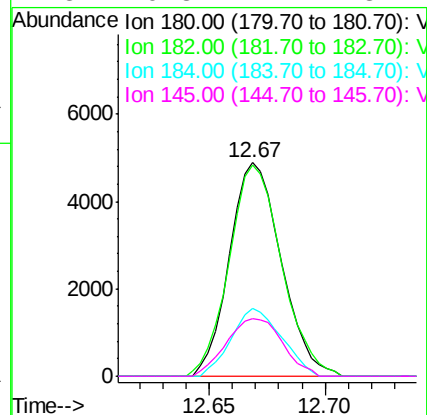
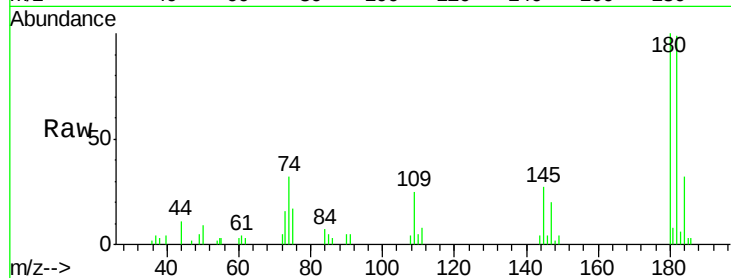
#67
 1,3,5-Trichlorobenzene
 Concen: 2.222 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.8	115.2
184	30.7	24.6	36.8
145	29.3	22.7	34.1

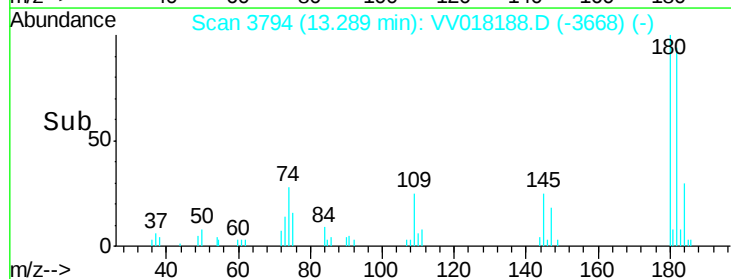
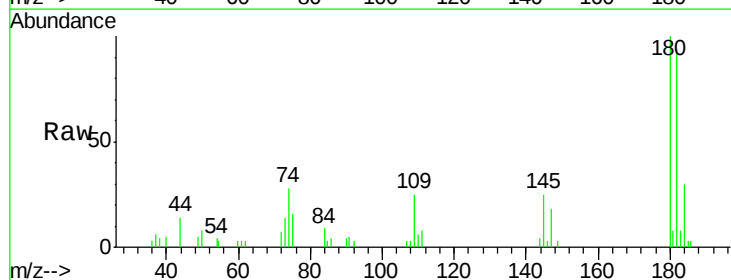
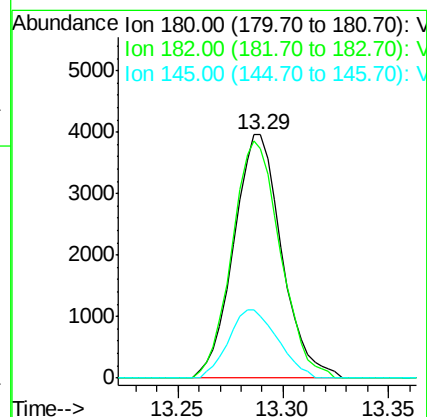
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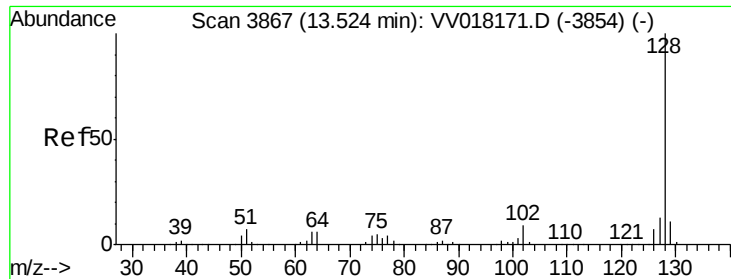
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#68
 1,2,4-trichlorobenzene
 Concen: 2.057 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018188.D
 Acq: 10 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.4	116.2
145	28.6	23.2	34.8





#69

Naphthalene

Concen: 1.616 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Instrument :

MSVOA_V

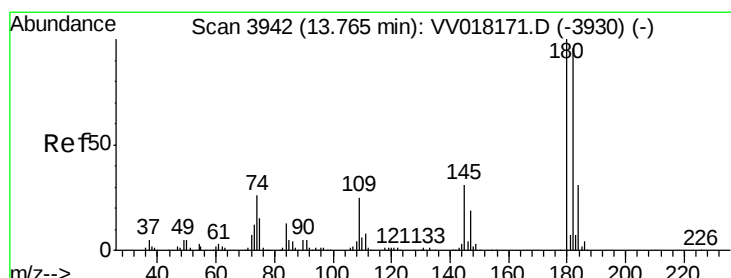
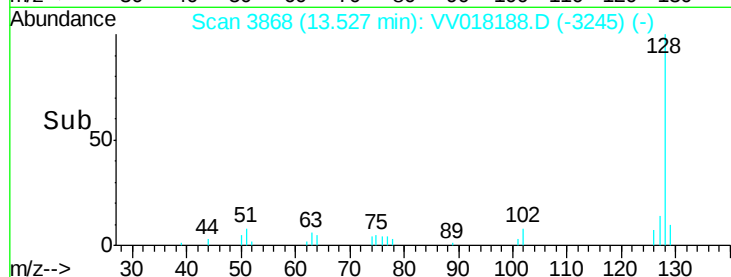
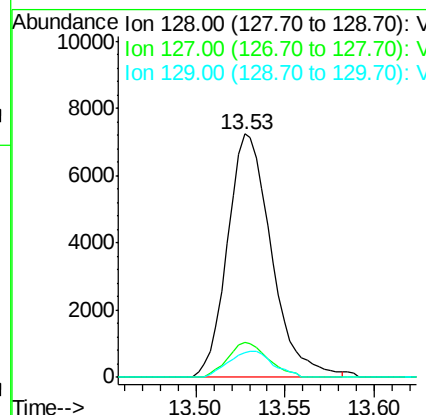
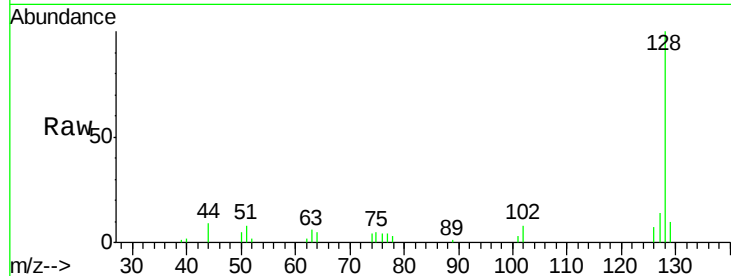
ClientSampled :

MDL06

Tot Ion:	128	Resp:	12415
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	13.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.066 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018188.D

Acq: 10 Sep 2020 18:56

Tgt Ion:	180	Resp:	6180
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.5	114.7
145	30.3	24.9	37.3

