

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018185.D
 Acq On : 10 Sep 2020 17:26
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:28:56 AM

Quant Time: Sep 11 03:20:21 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	292516	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290869	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102827	43.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.26%
7) Chloroethane-d5	1.58	69	90142	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.42%
11) 1,1-Dichloroethene-d2	2.12	63	156639	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.64%
21) 2-Butanone-d5	3.91	46	148017	101.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.44%
24) Chloroform-d	4.38	84	190100	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	5.06	65	130410	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.08	84	397773	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.09	67	130176	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.40%
41) Toluene-d8	7.34	98	354663	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.64	79	60944	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.11	63	92686	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	157090	47.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	154102	50.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4210	1.974 ug/L	99
3) Chloromethane	1.25	50	4549	1.953 ug/L	97
5) Vinyl chloride	1.32	62	4991	2.090 ug/L #	60
6) Bromomethane	1.53	94	2872	1.967 ug/L	97
8) Chloroethane	1.60	64	3151	2.106 ug/L	94
9) Trichlorofluoromethane	1.77	101	6520	1.984 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5250	2.660 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	5018	2.613 ug/L #	1
13) Acetone	2.20	43	4636	3.968 ug/L	77
14) Carbon disulfide	2.31	76	11662	1.984 ug/L	99
15) Methyl Acetate	2.46	43	4163	1.983 ug/L	92
16) Methylene chloride	2.53	84	4915	2.282 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	3780	1.910 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	11334	1.851 ug/L	97
19) 1,1-Dichloroethane	3.22	63	7333	1.959 ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	4293m	2.029 ug/L	
22) 2-Butanone	4.03	43	5321m	3.846 ug/L	

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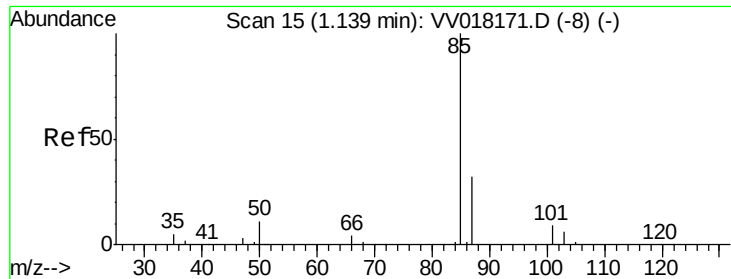
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2149	1.941	ug/L	97
25) Chloroform	4.41	83	14940	3.927	ug/L	95
27) 1,2-Dichloroethane	5.17	62	6115	2.076	ug/L	97
29) Cyclohexane	4.71	56	6149	1.831	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	6372	1.888	ug/L	100
31) Carbon tetrachloride	4.86	117	5620	1.893	ug/L	100
33) Benzene	5.13	78	15287	1.838	ug/L	100
34) Trichloroethene	5.95	95	4705	2.077	ug/L	96
35) Methylcyclohexane	6.16	83	6657	1.952	ug/L	95
37) 1,2-Dichloropropane	6.21	63	4215	1.913	ug/L #	87
38) Bromodichloromethane	6.54	83	5373	1.874	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	6307	1.858	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	8947	3.347	ug/L	97
42) Toluene	7.41	91	16783	1.907	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5485	1.659	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	4094	2.004	ug/L	96
46) Tetrachloroethene	8.00	164	3502	1.972	ug/L	93
48) 2-Hexanone	8.16	43	15587	7.395	ug/L	98
49) Dibromochloromethane	8.27	129	4183	1.824	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4014	1.867	ug/L #	93
51) Chlorobenzene	8.90	112	11458	2.005	ug/L	97
52) Ethylbenzene	9.04	91	17158	1.786	ug/L	100
53) m,p-Xylene	9.16	106	6334	1.766	ug/L	90
54) o-xylene	9.57	106	5898	1.707	ug/L	98
55) Styrene	9.59	104	9772	1.627	ug/L	95
56) Isopropylbenzene	9.95	105	15325	1.646	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6337	2.097	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	5126	1.978	ug/L	98
61) Bromoform	9.76	173	2648	1.671	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	8684	1.979	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	9194	2.039	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	9570	2.158	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	936m	1.496	ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	6736	1.948	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5552	1.803	ug/L	97
69) Naphthalene	13.53	128	10763	1.381	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5167	1.703	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 1.974 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 4210

Ion Ratio Lower Upper

85 100

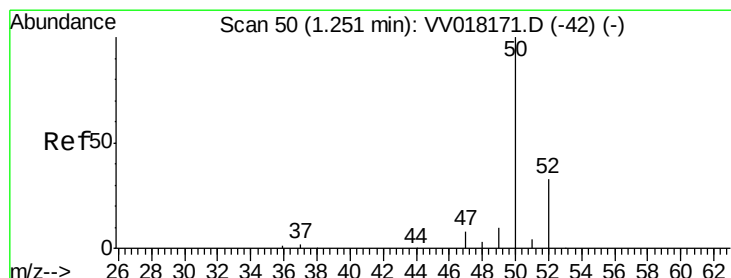
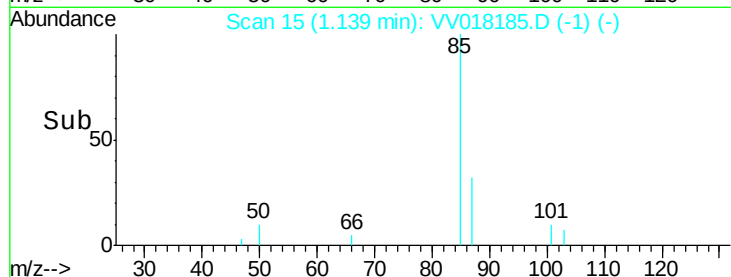
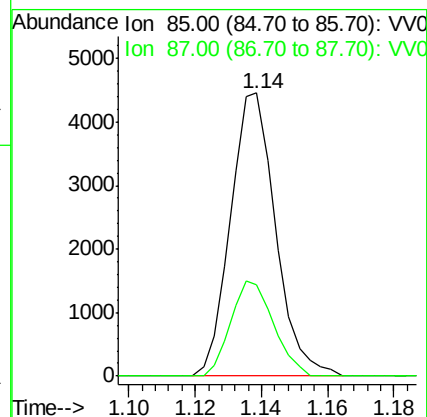
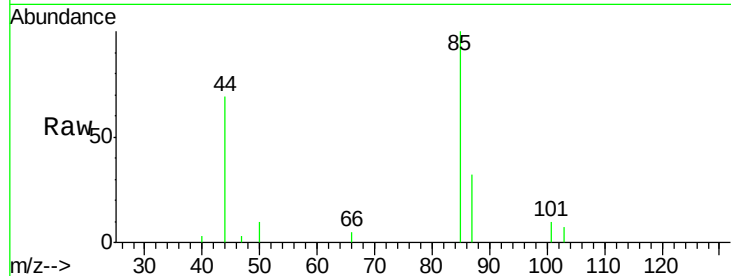
87 31.8 25.7 38.5

Manual Integrations

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#3

Chloromethane

Concen: 1.953 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018185.D

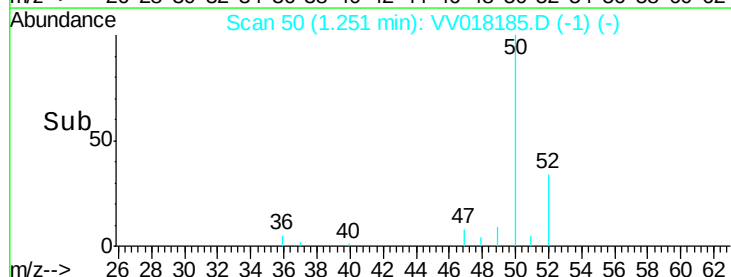
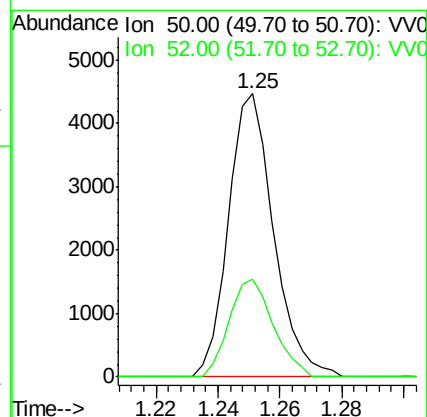
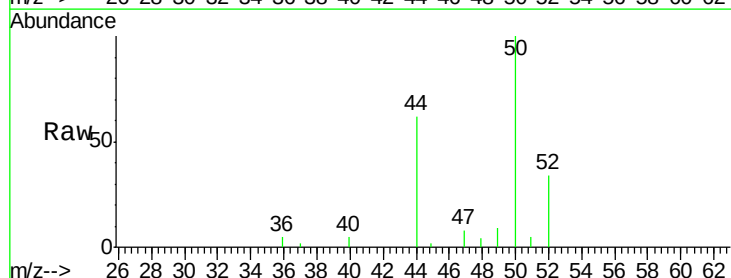
Acq: 10 Sep 2020 17:26

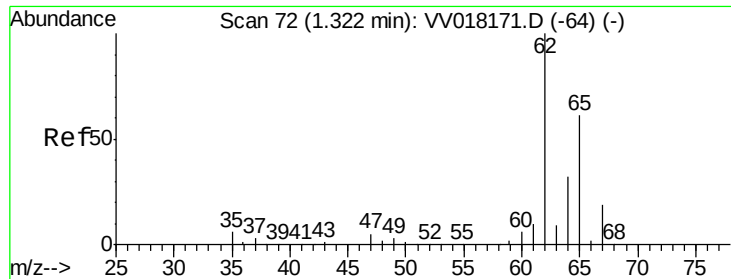
Tgt Ion: 50 Resp: 4549

Ion Ratio Lower Upper

50 100

52 34.4 22.7 42.3





#5

Vinyl chloride

Concen: 2.090 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4991

Ion Ratio Lower Upper

62 100

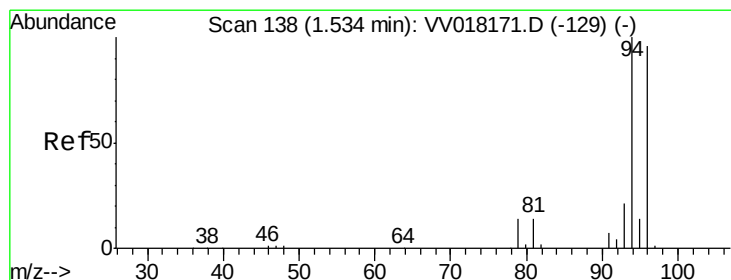
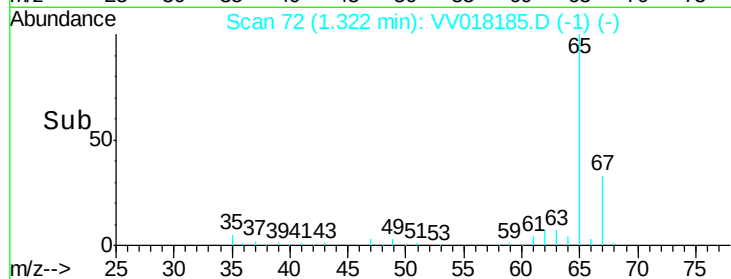
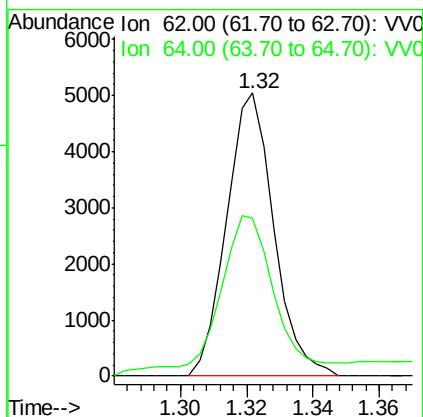
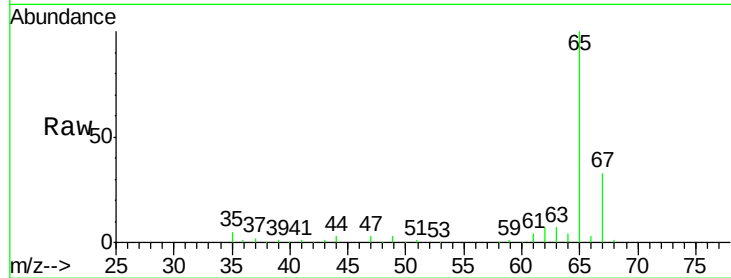
64 55.6 23.1 42.9#

Manual Integrations

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#6

Bromomethane

Concen: 1.967 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018185.D

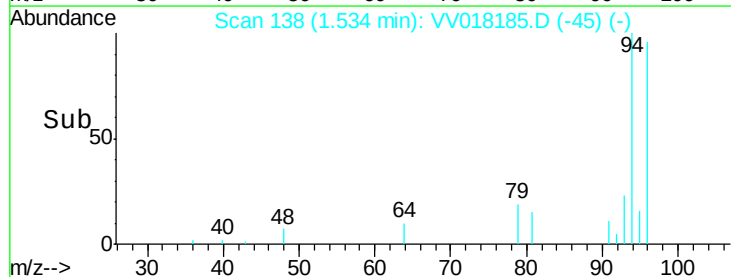
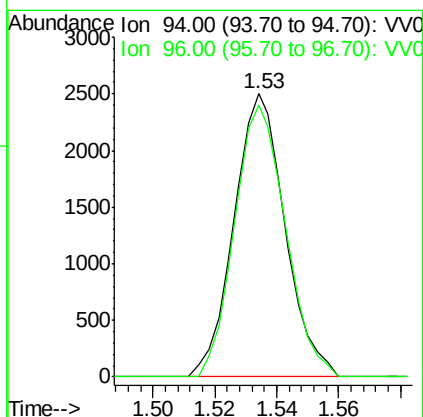
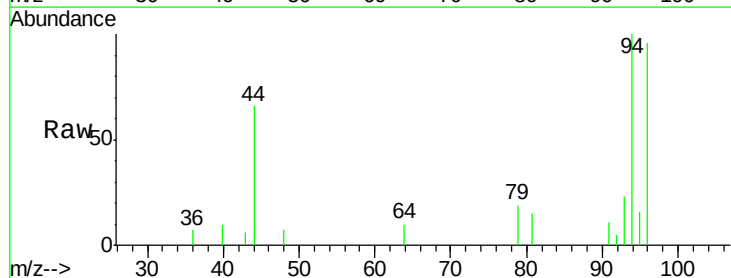
Acq: 10 Sep 2020 17:26

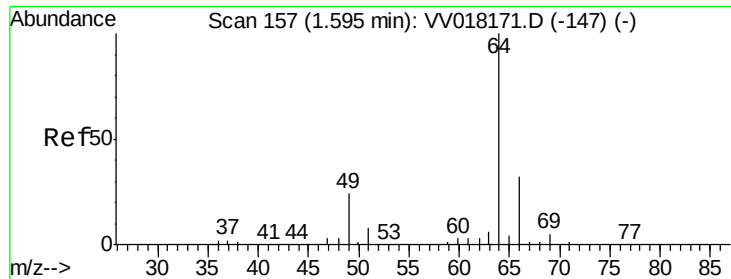
Tgt Ion: 94 Resp: 2872

Ion Ratio Lower Upper

94 100

96 96.1 65.1 120.9





#8

Chloroethane

Concen: 2.106 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 3151

Ion Ratio Lower Upper

64 100

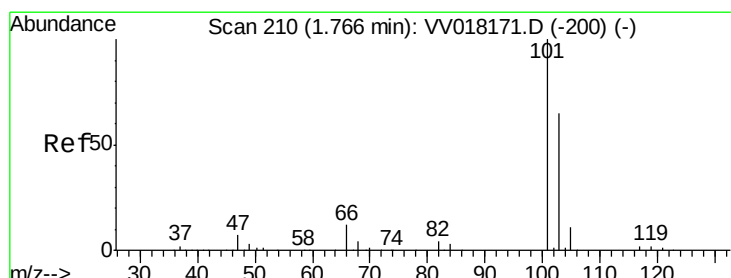
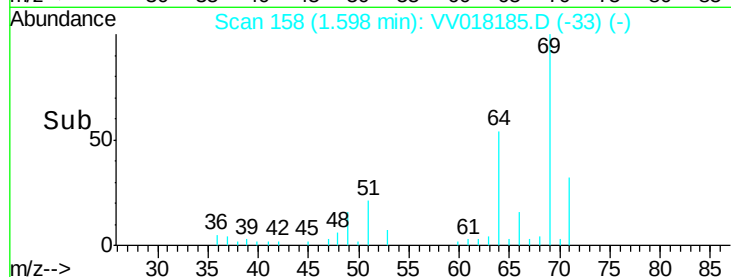
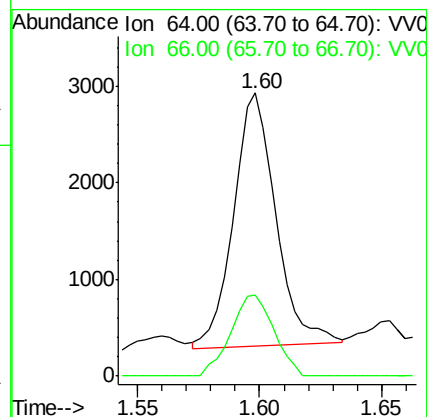
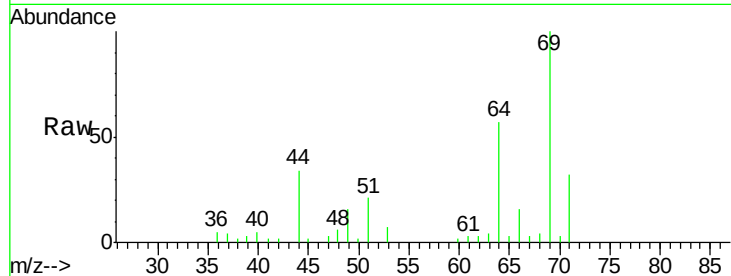
66 28.8 22.5 41.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.984 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018185.D

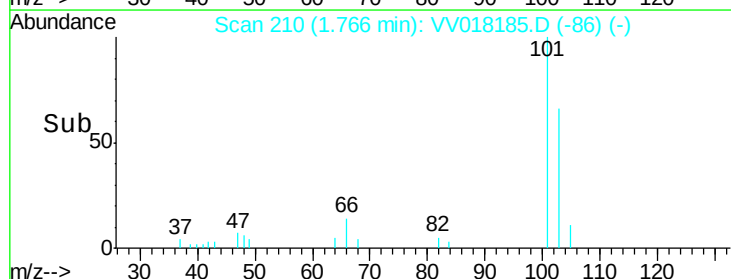
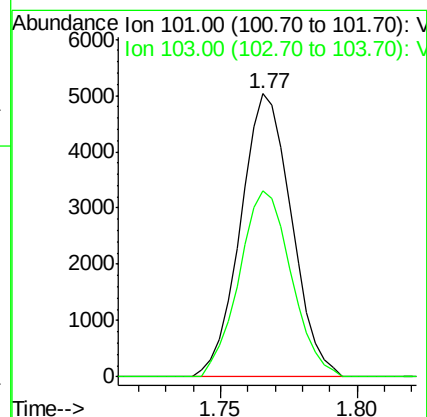
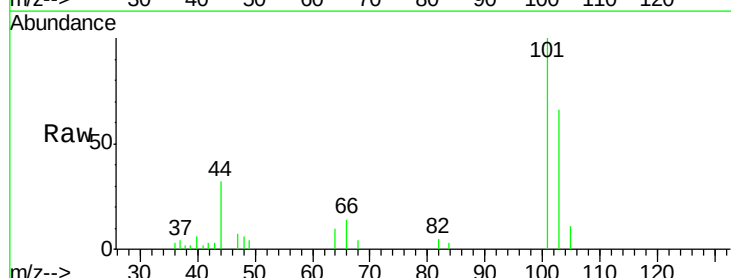
Acq: 10 Sep 2020 17:26

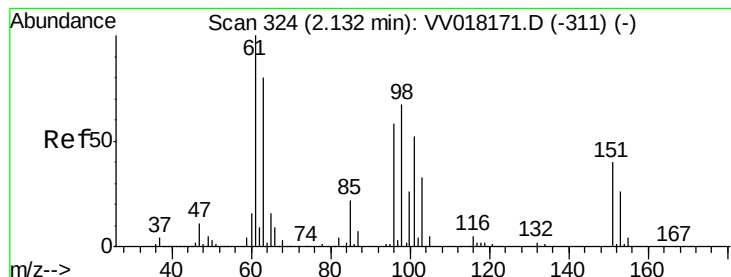
Tgt Ion: 101 Resp: 6520

Ion Ratio Lower Upper

101 100

103 67.1 51.8 77.6





#10

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

Concen: 2.660 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

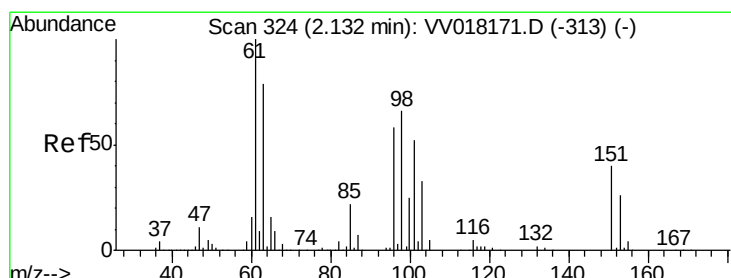
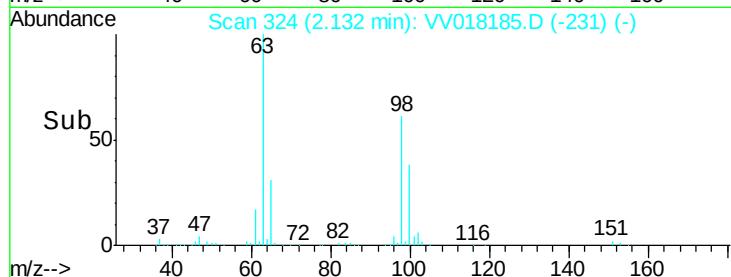
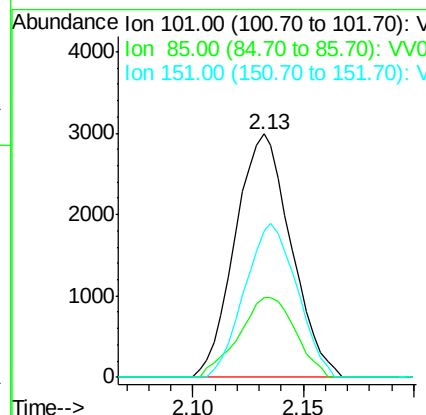
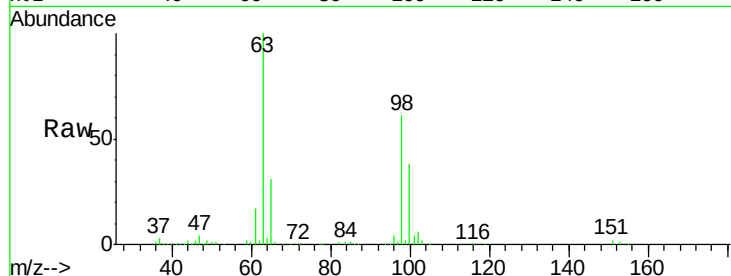
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	5250
Ion Ratio	Lower	Upper	
101	100		
85	33.0	33.5	50.3#
151	59.1	62.2	93.2#

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#12

1,1-Dichloroethene

Concen: 2.613 ug/L

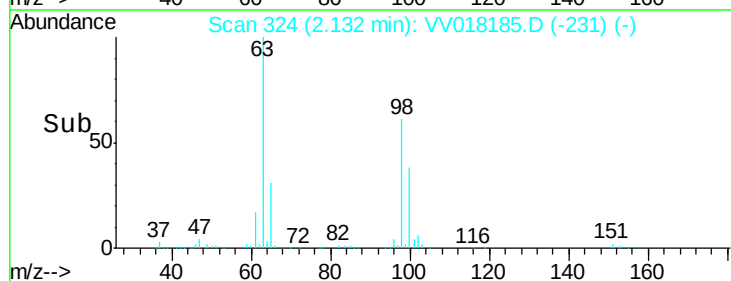
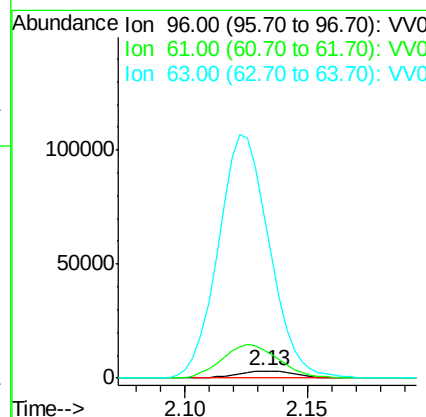
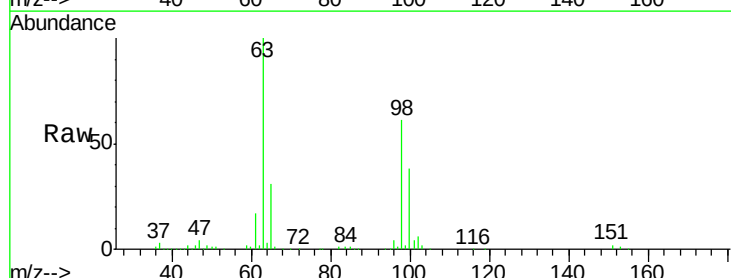
RT: 2.13 min Scan# 324

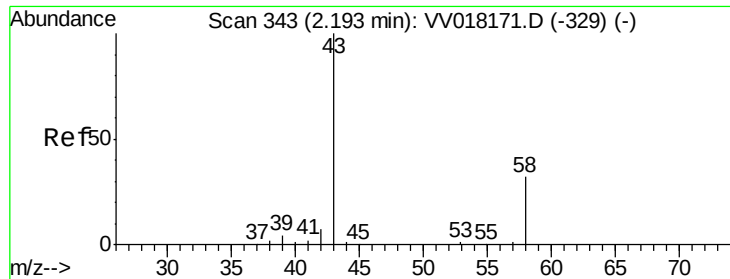
Delta R.T. -0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tgt Ion:	96	Resp:	5018
Ion Ratio	Lower	Upper	
96	100		
61	394.8	122.9	228.3#
63	2347.4	91.9	170.7#





#13

Acetone

Concen: 3.968 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 4636

Ion Ratio Lower Upper

43 100

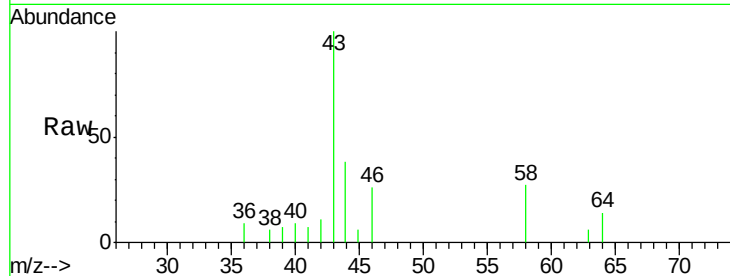
58 20.4 0.0 67.4

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2500

2000

1500

1000

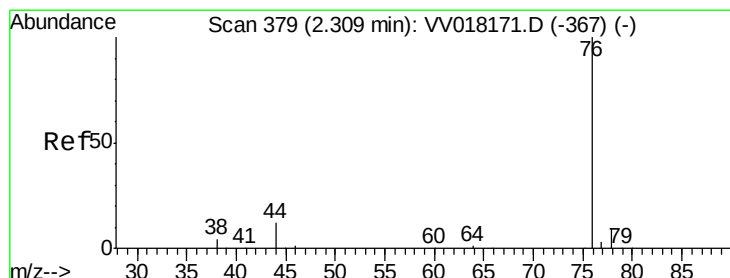
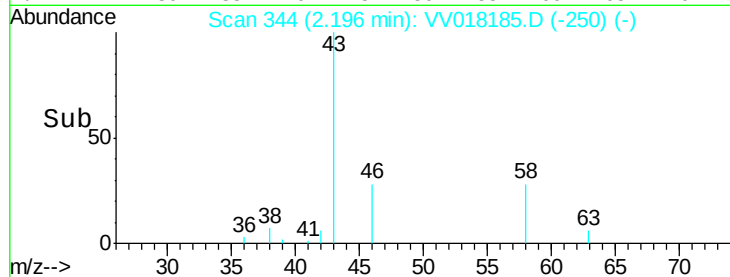
500

0

Time-->

2.15 2.20 2.25

2.20



#14

Carbon disulfide

Concen: 1.984 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018185.D

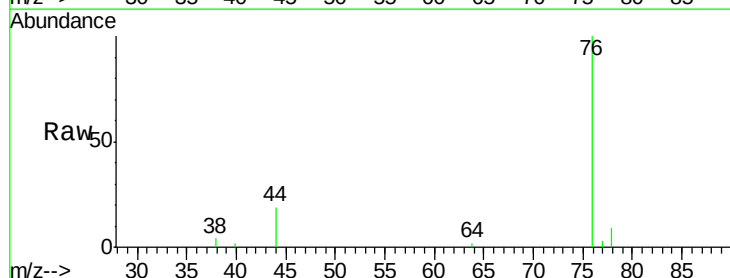
Acq: 10 Sep 2020 17:26

Tgt Ion: 76 Resp: 11662

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

8000

6000

4000

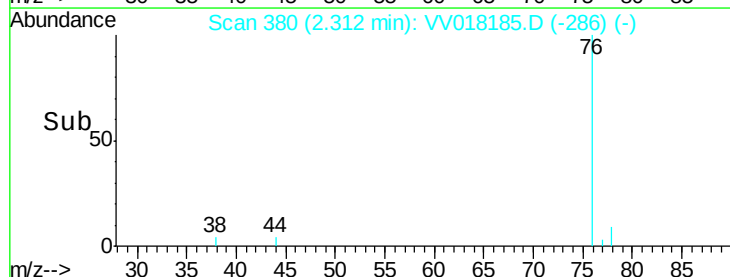
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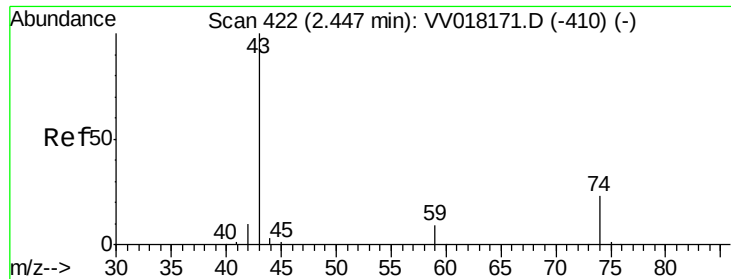
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Time-->

2.25 2.30 2.35

2.31





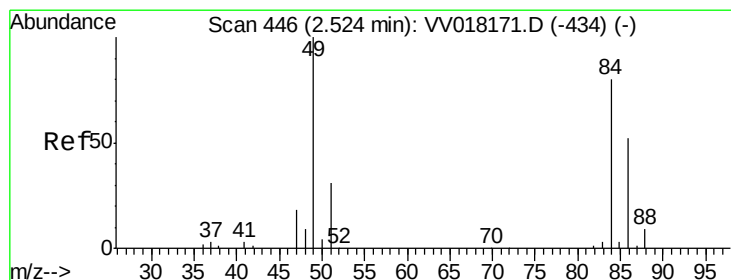
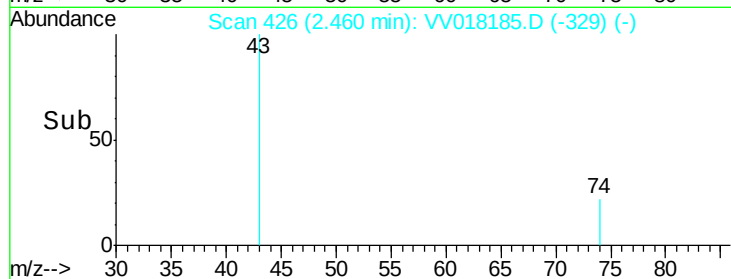
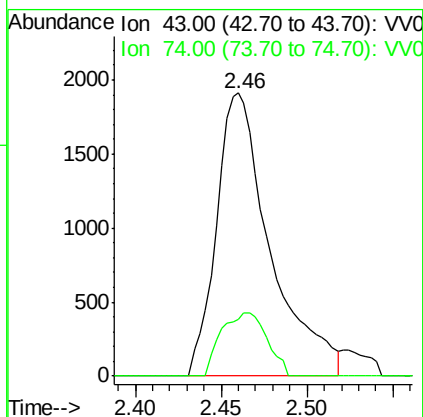
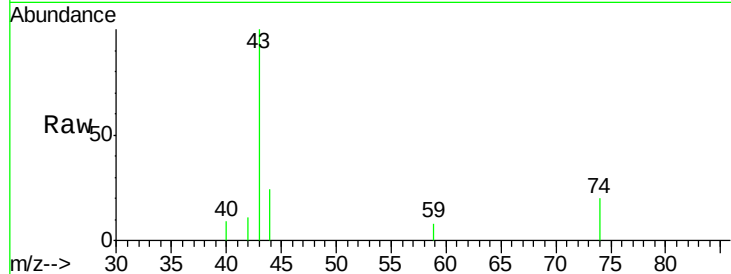
#15
Methvl Acetate
Concen: 1.983 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
74 19.1 18.4 27.6

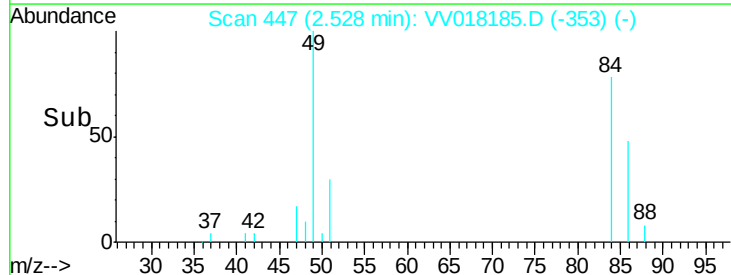
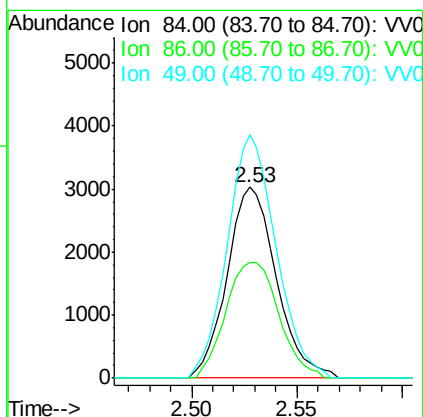
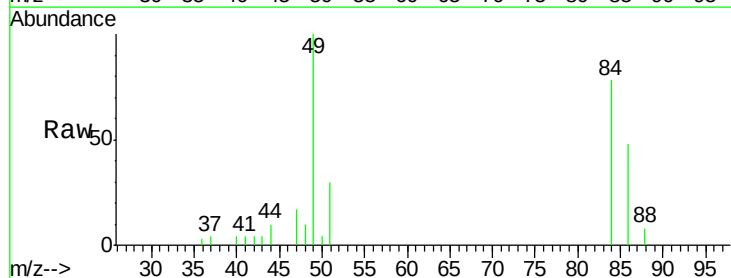
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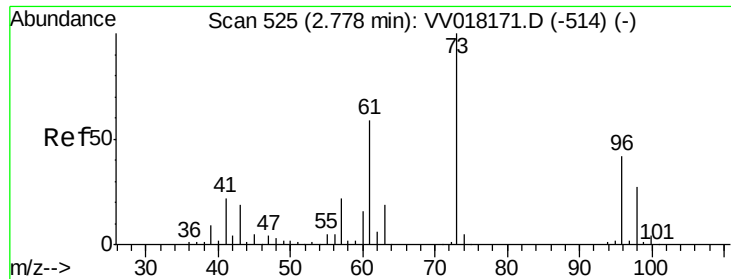
MMDadoda
9/11/2020 10:28:56 AM



#16
Methylene chloride
Concen: 2.282 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion: 84 Resp: 4915
Ion Ratio Lower Upper
84 100
86 60.9 44.4 82.4
49 127.7 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 1.910 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

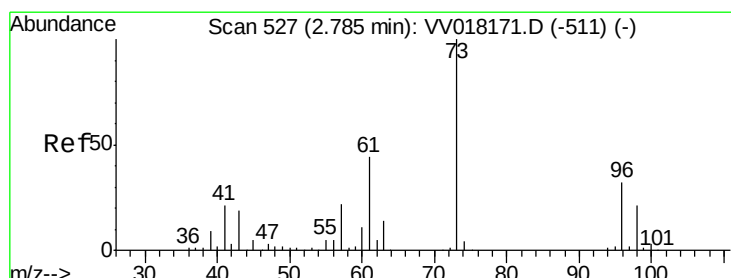
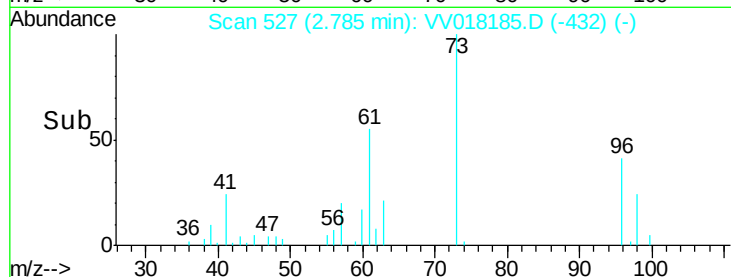
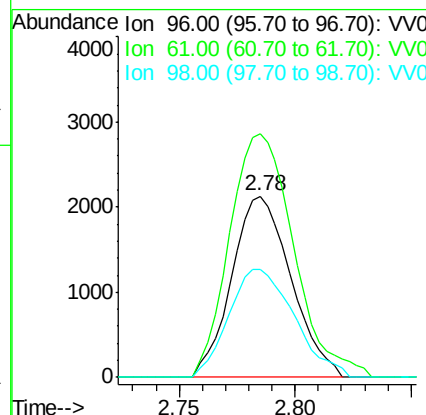
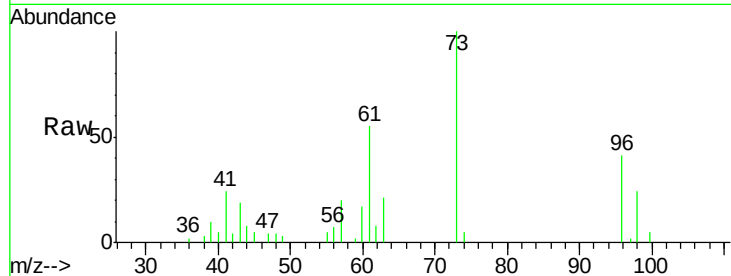
ClientSampled :

MDL03

Tot Ion:	96	Resp:	3780
Ion	Ratio	Lower	Upper
96	100		
61	134.3	100.7	186.9
98	59.5	45.2	84.0

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#18

Methyl tert-butyl Ether

Concen: 1.851 ug/L

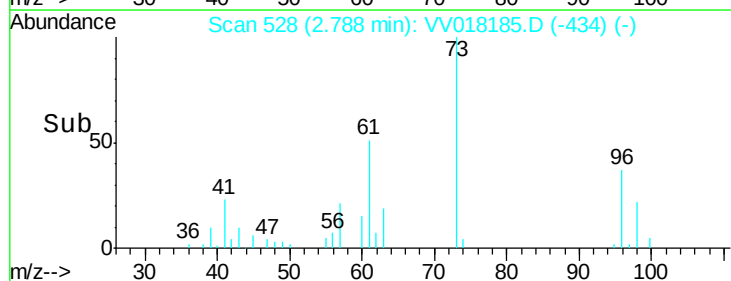
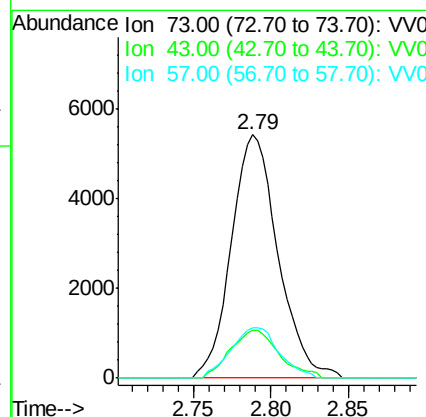
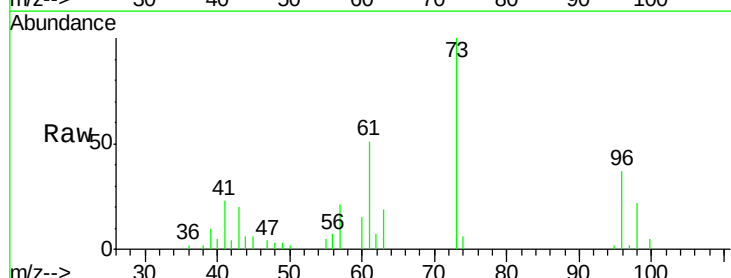
RT: 2.79 min Scan# 528

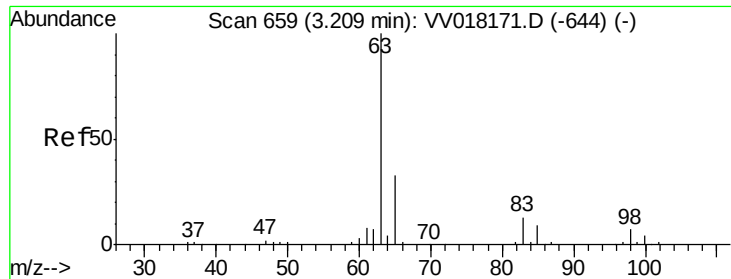
Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tgt Ion:	73	Resp:	11334
Ion	Ratio	Lower	Upper
73	100		
43	20.5	15.4	23.0
57	21.4	18.0	27.0





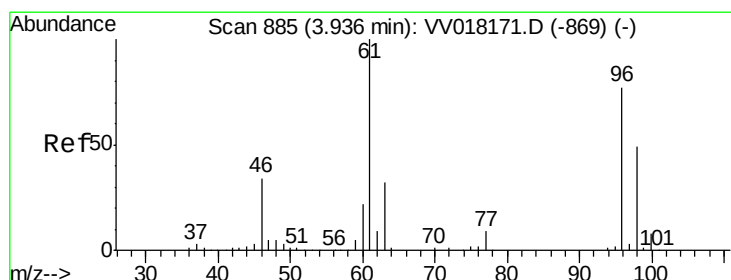
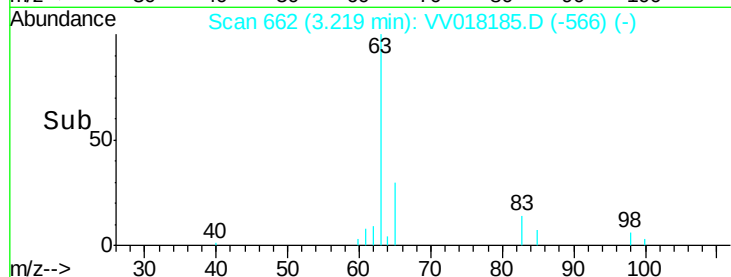
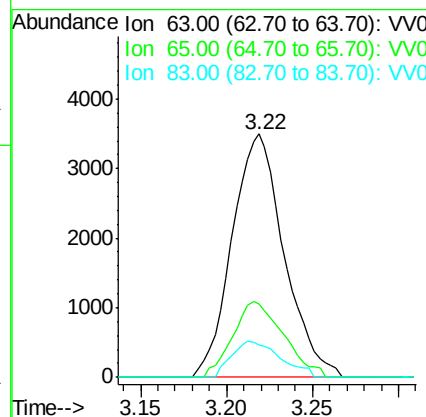
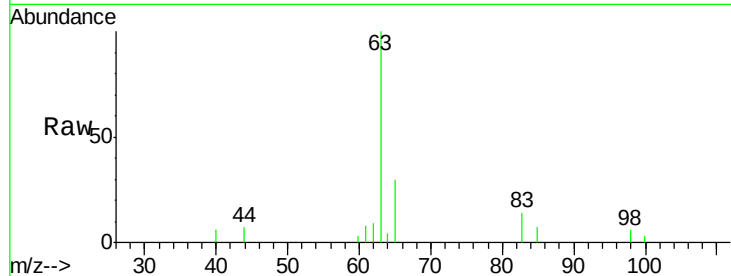
#19
 1,1-Dichloroethane
 Concen: 1.959 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	63	Resp:	7333
Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.5	41.7
83	13.6	9.3	17.3

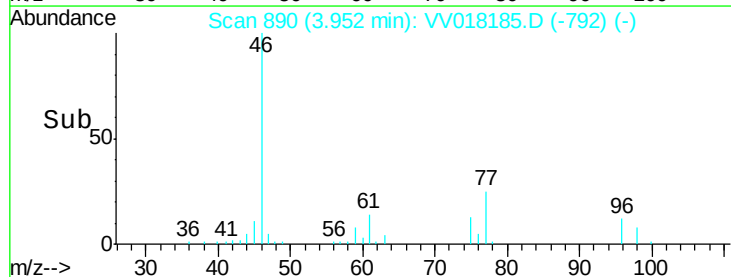
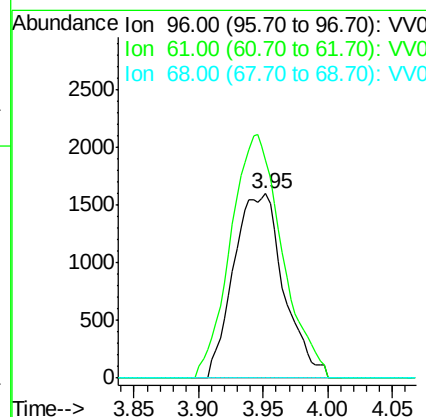
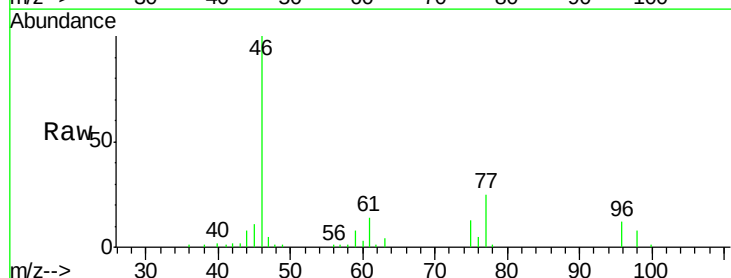
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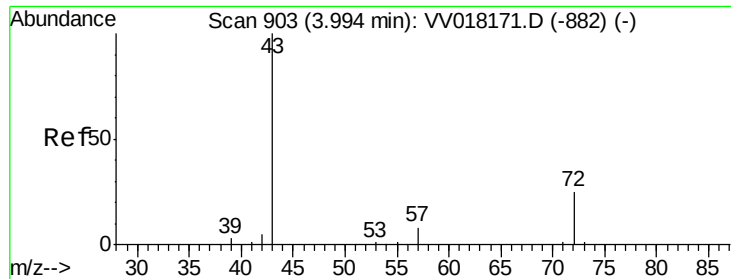
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.029 ug/L m
 RT: 3.95 min Scan# 890
 Delta R.T. 0.02 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion:	96	Resp:	4293
Ion	Ratio	Lower	Upper
96	100		
61	118.0	93.6	173.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.846 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.04 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 5321

Ion Ratio Lower Upper

43 100

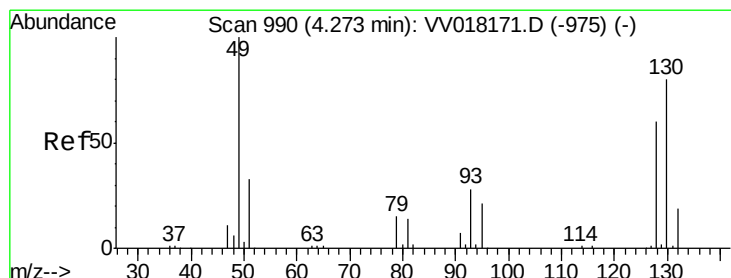
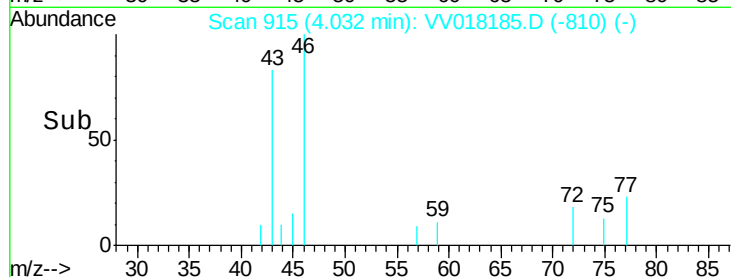
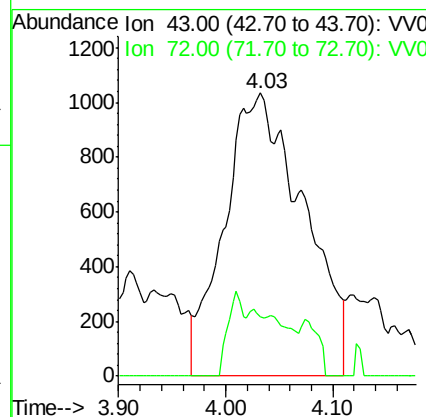
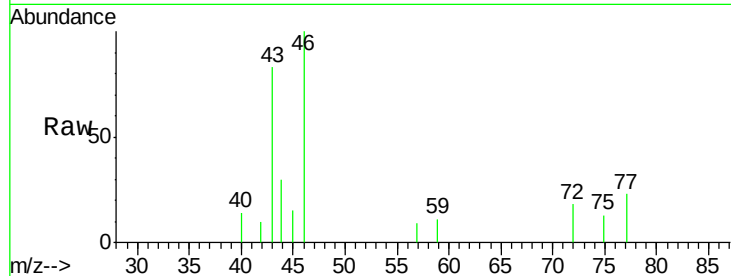
72 6.4 13.1 39.3#

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#23

Bromochloromethane

Concen: 1.941 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tgt Ion: 128 Resp: 2149

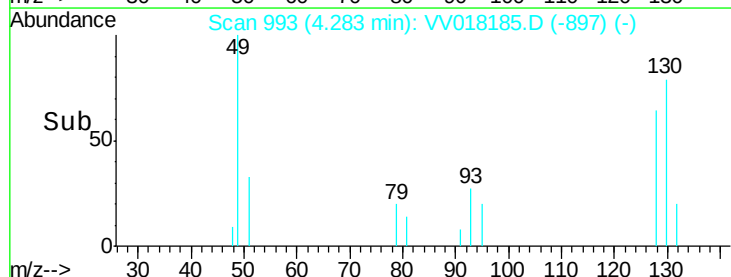
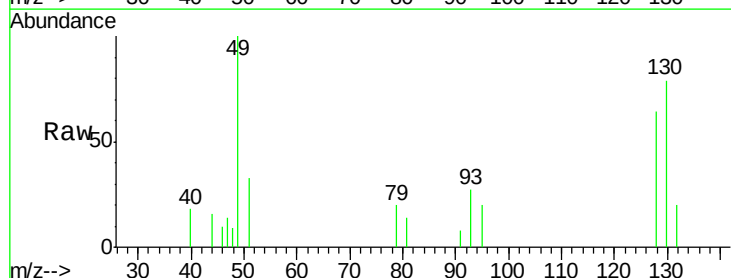
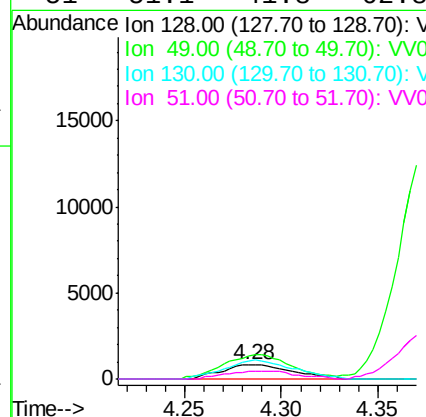
Ion Ratio Lower Upper

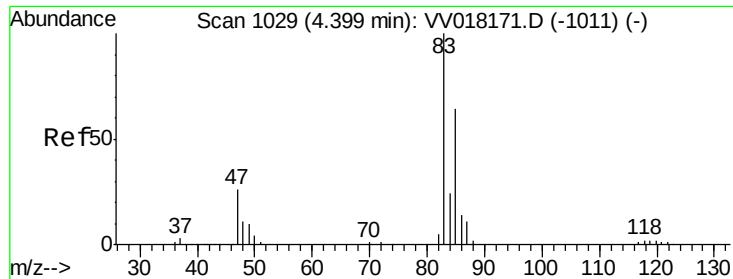
128 100

49 156.6 114.4 212.6

130 124.4 87.9 163.3

51 51.1 41.8 62.8





#25

Chloroform

Concen: 3.927 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 83 Resp: 14940

Ion Ratio Lower Upper

83 100

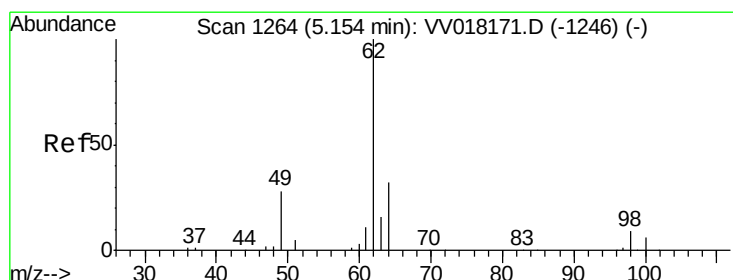
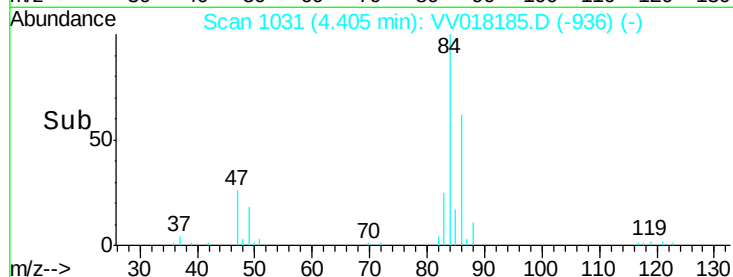
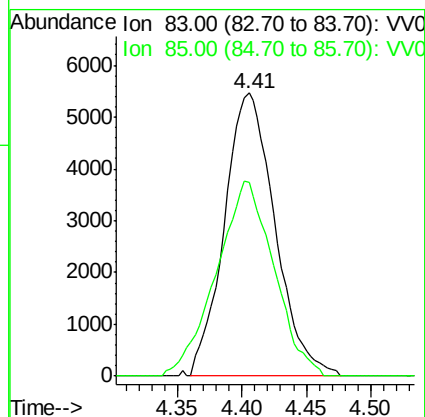
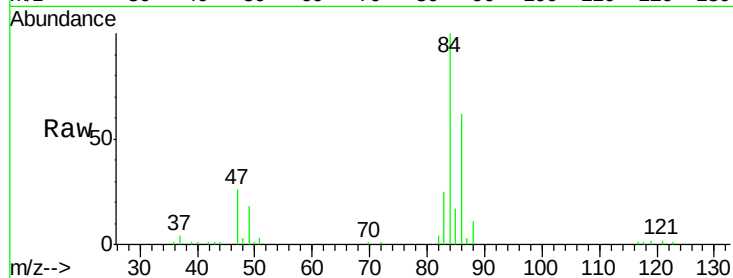
85 68.4 45.0 83.6

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#27

1,2-Dichloroethane

Concen: 2.076 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VV018185.D

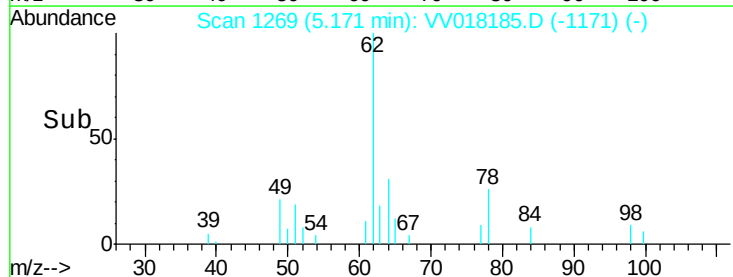
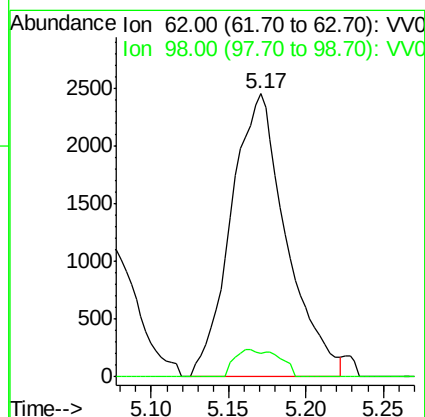
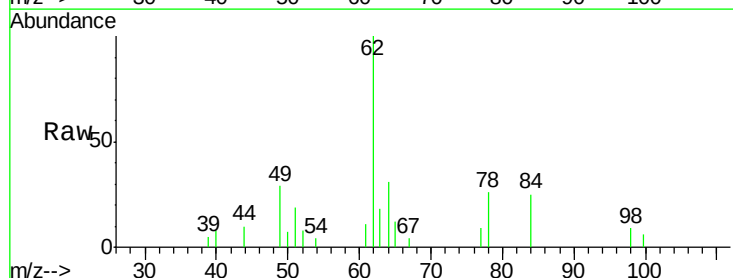
Acq: 10 Sep 2020 17:26

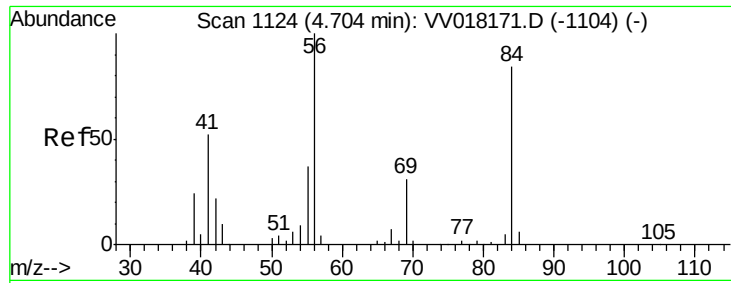
Tgt Ion: 62 Resp: 6115

Ion Ratio Lower Upper

62 100

98 8.5 7.6 11.4





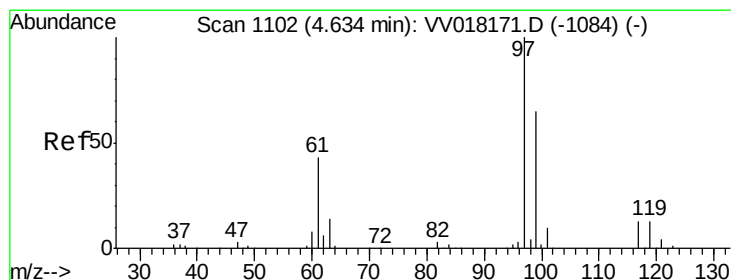
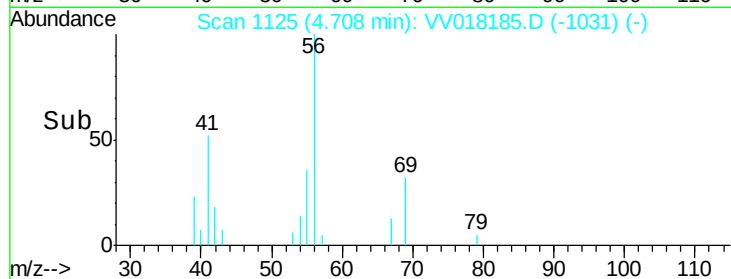
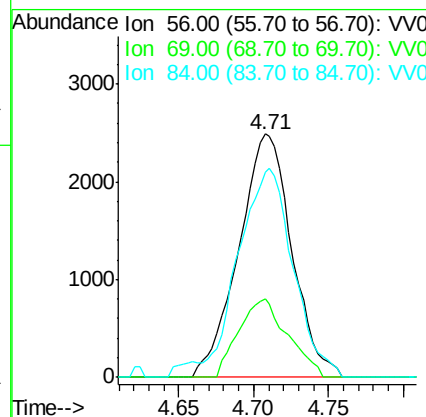
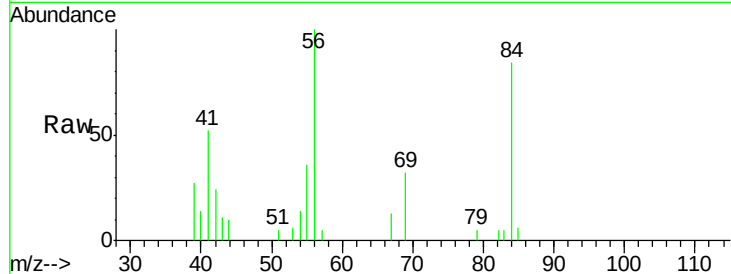
#29
Cyclohexane
Concen: 1.831 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.2	36.2
84	88.1	68.3	102.5

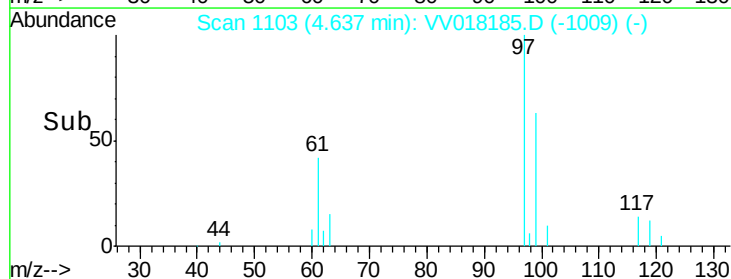
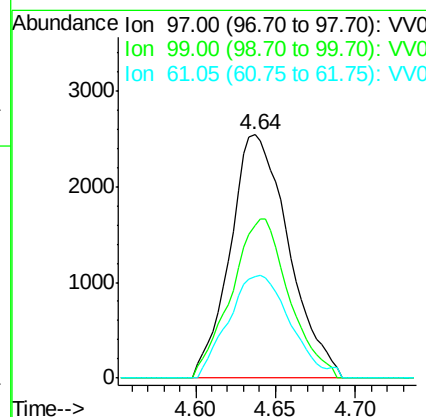
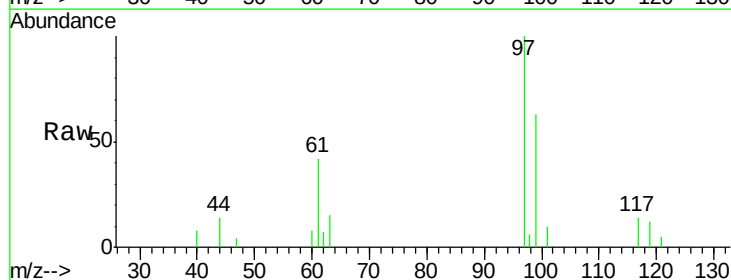
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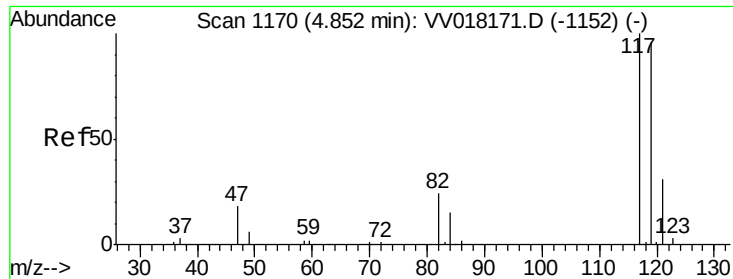
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.888 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.1	34.9	52.3





#31

Carbon tetrachloride

Concen: 1.893 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:117 Resp: 5620

Ion Ratio Lower Upper

117 100

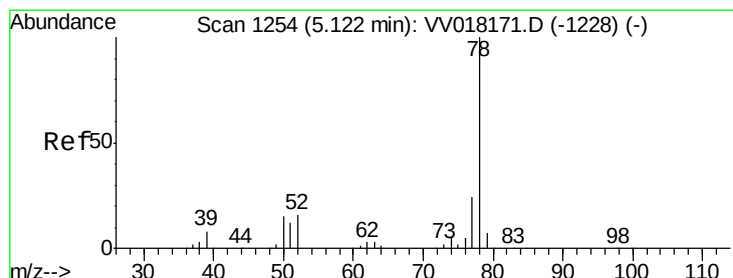
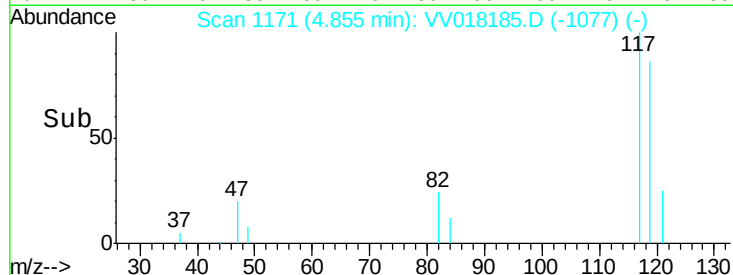
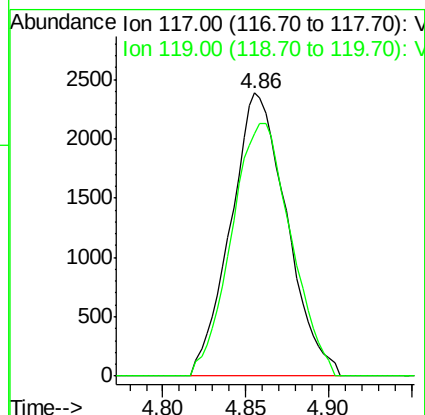
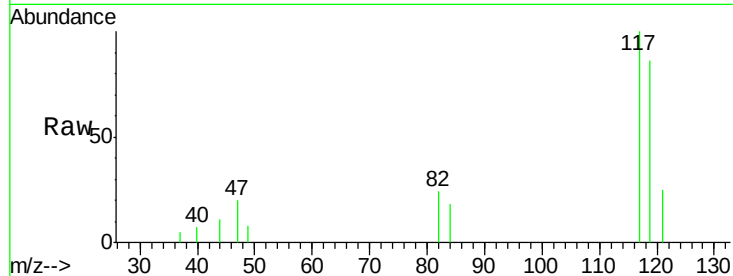
119 94.2 75.7 113.5

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#33

Benzene

Concen: 1.838 ug/L

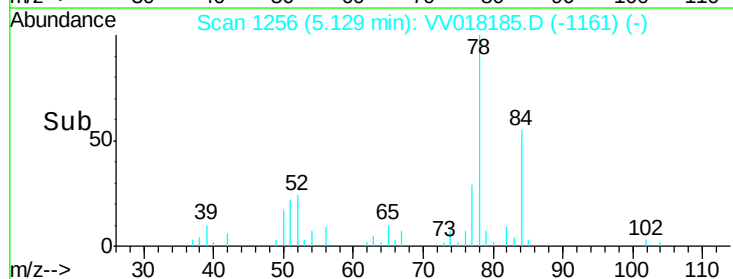
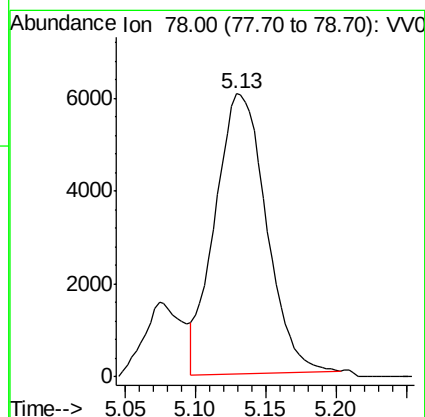
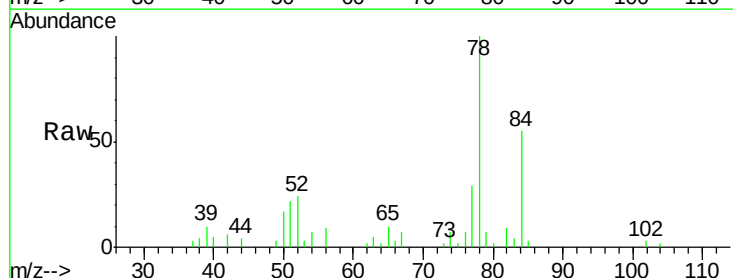
RT: 5.13 min Scan# 1256

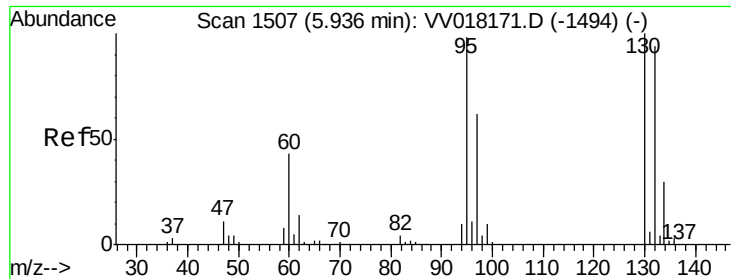
Delta R.T. 0.01 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tgt Ion: 78 Resp: 15287





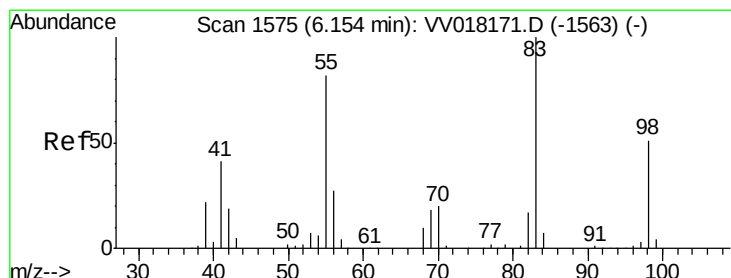
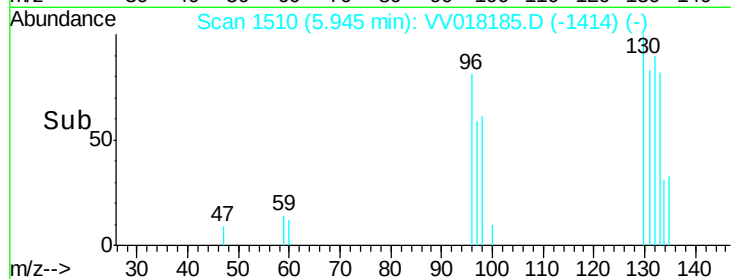
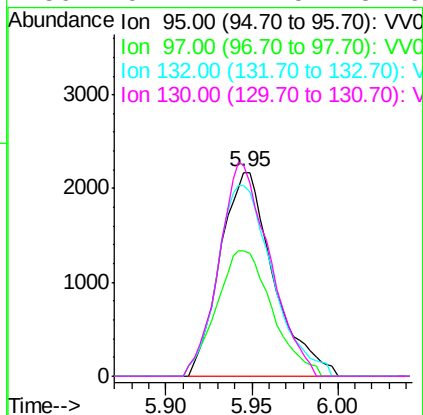
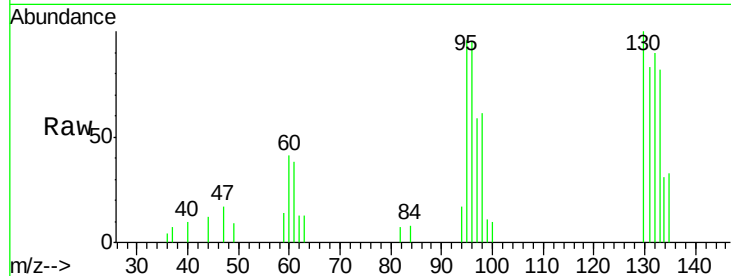
#34
 Trichloroethene
 Concen: 2.077 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	95	Resp:	4705
Ion	Ratio	Lower	Upper
95	100		
97	61.4	46.3	85.9
132	93.6	68.1	126.5
130	104.1	71.5	132.9

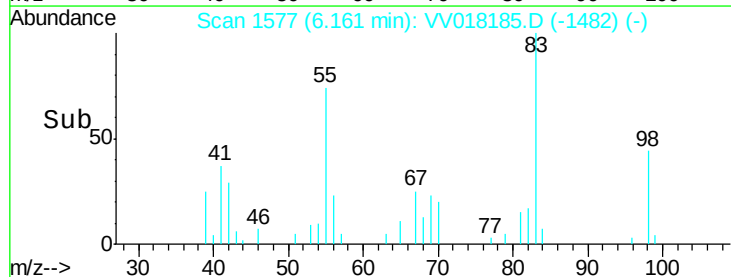
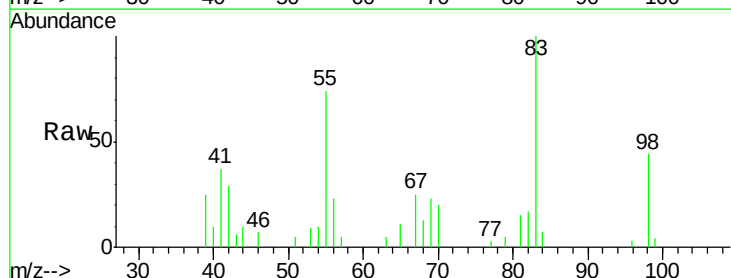
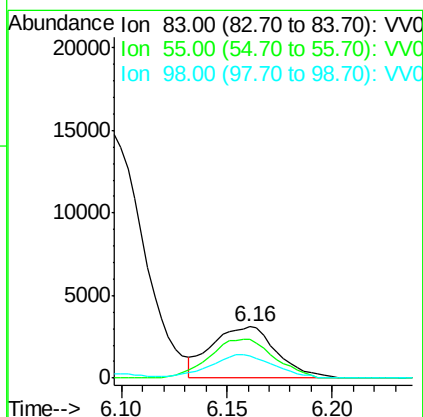
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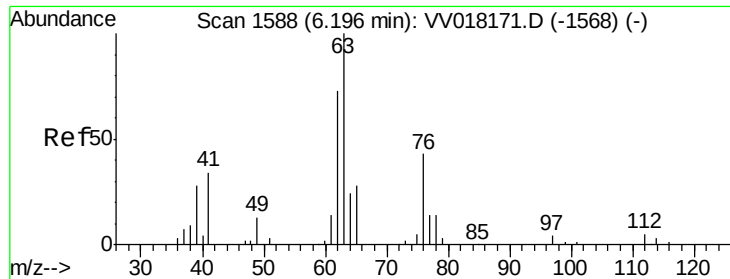
MMDadoda
 9/11/2020 10:28:56 AM



#35
 Methylcyclohexane
 Concen: 1.952 ug/L
 RT: 6.16 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion	83	Resp:	6657
Ion	Ratio	Lower	Upper
83	100		
55	75.0	63.4	95.2
98	45.1	38.8	58.2





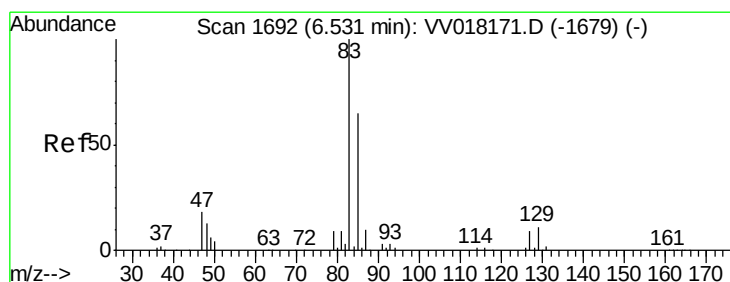
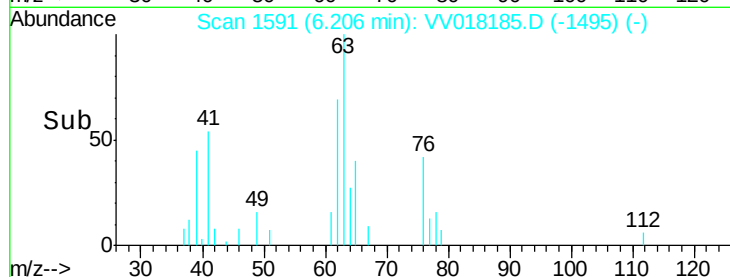
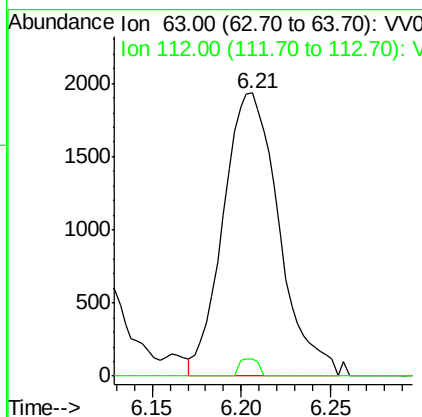
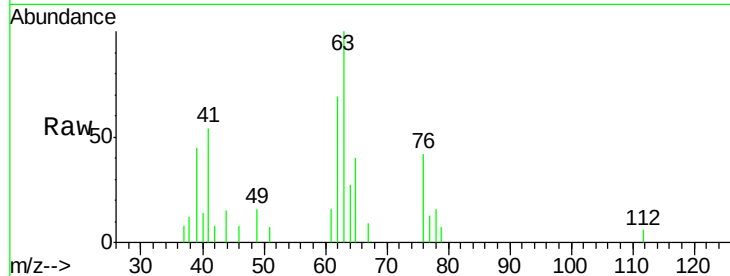
#37
 1,2-Dichloropropane
 Concen: 1.913 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 4215
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#

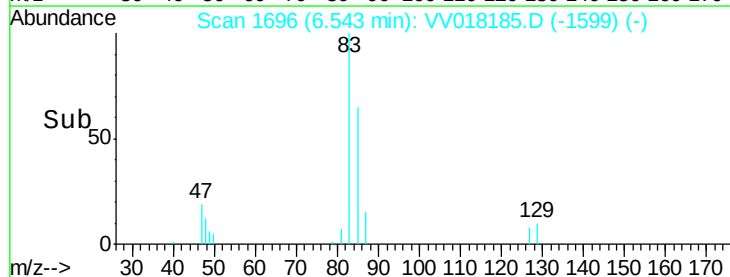
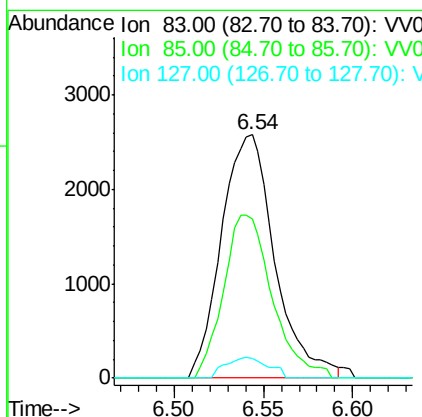
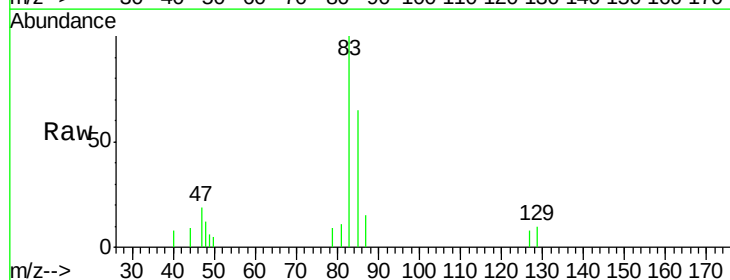
Manual Integrations
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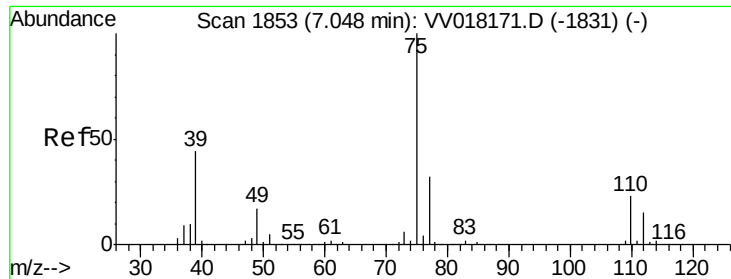
MMDadoda
 9/11/2020 10:28:56 AM



#38
 Bromodichloromethane
 Concen: 1.874 ug/L
 RT: 6.54 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion: 83 Resp: 5373
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.7 82.9
 127 8.3 6.7 10.1





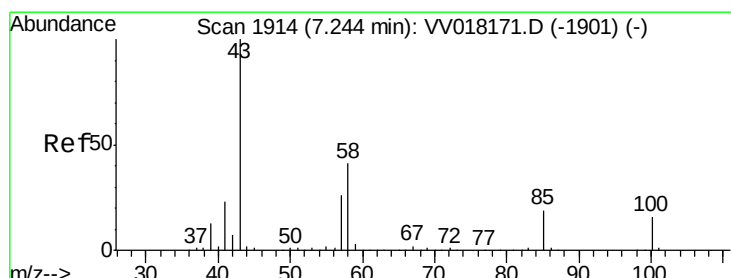
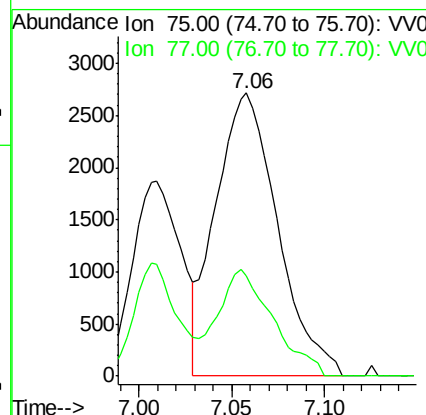
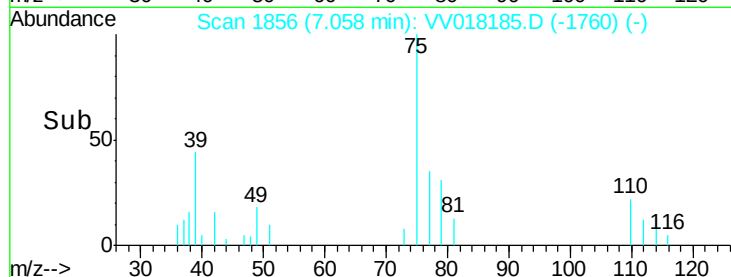
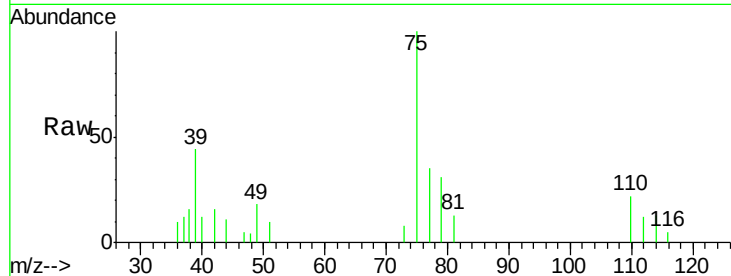
#39
 cis-1,3-Dichloropropene
 Concen: 1.858 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 6307
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.3 41.3

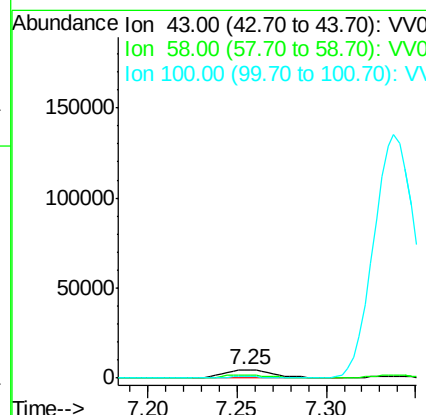
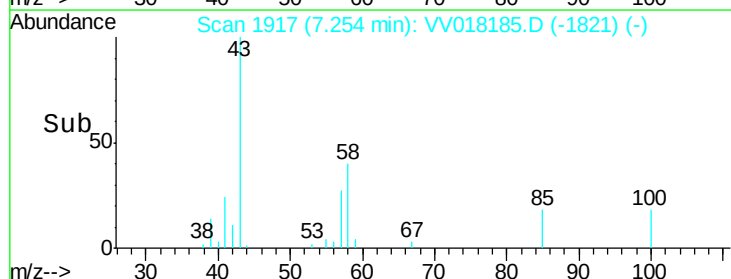
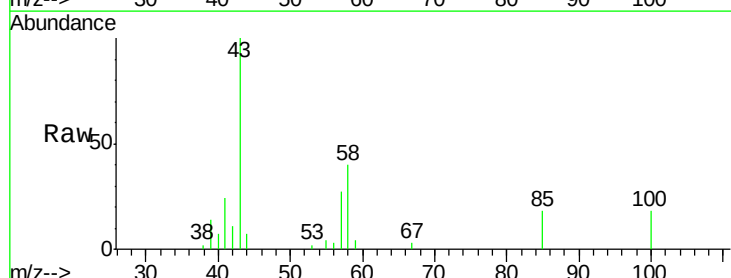
Manual Integrations
 APPROVED

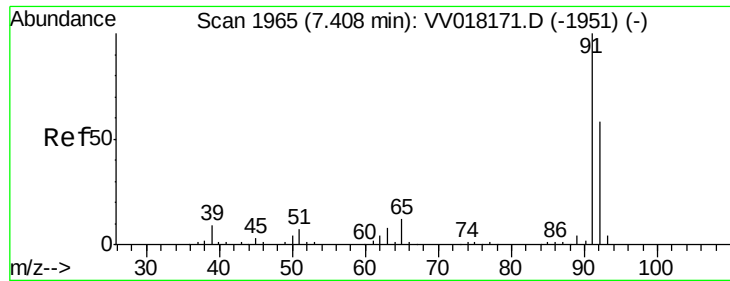
MMDadoda
 9/11/2020 10:28:56 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.347 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion: 43 Resp: 8947
 Ion Ratio Lower Upper
 43 100
 58 38.4 32.4 48.6
 100 15.8 12.7 19.1





#42

Toluene

Concen: 1.907 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 16783

Ion Ratio Lower Upper

91 100

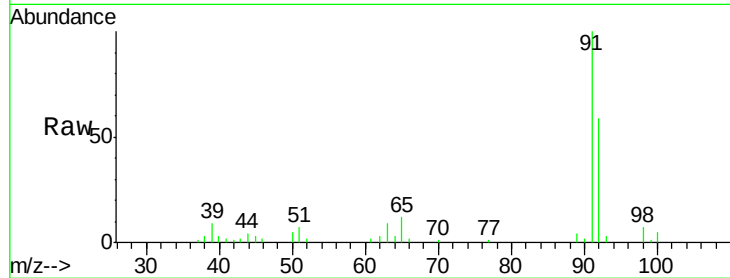
92 58.9 40.7 75.5

Manual Integrations

APPROVED

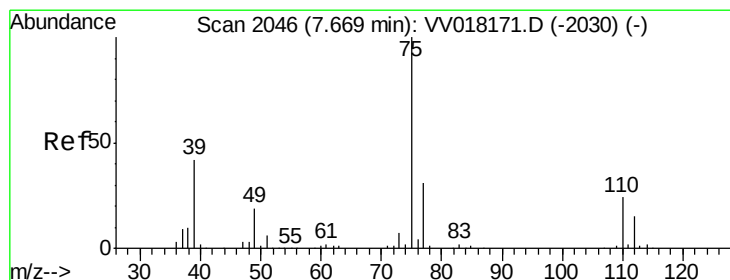
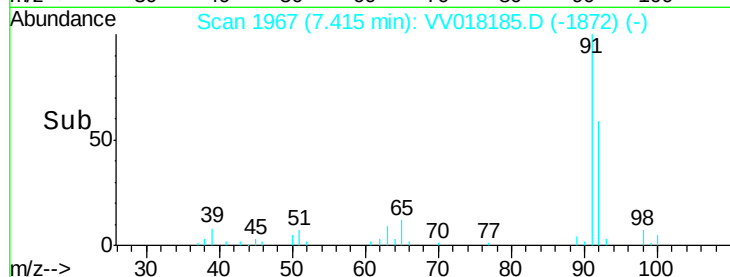
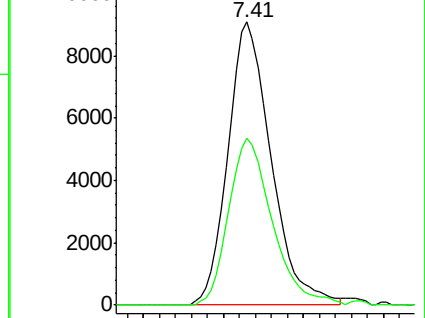
MMDadoda

9/11/2020 10:28:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.659 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018185.D

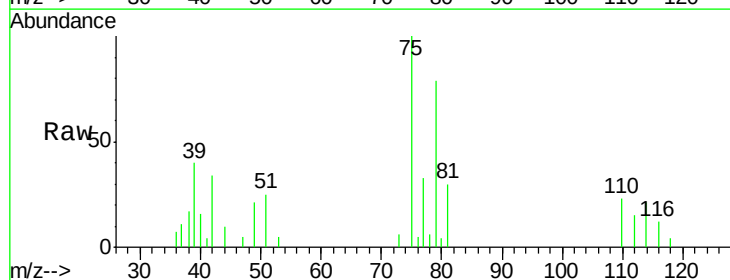
Acq: 10 Sep 2020 17:26

Tgt Ion: 75 Resp: 5485

Ion Ratio Lower Upper

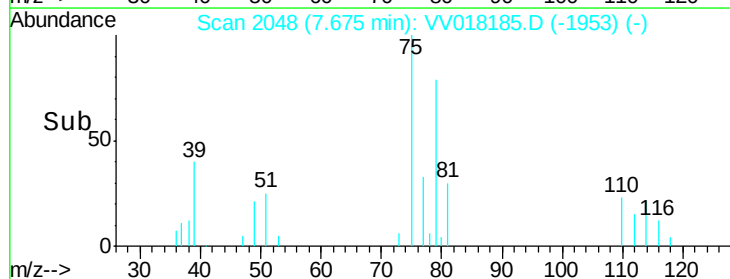
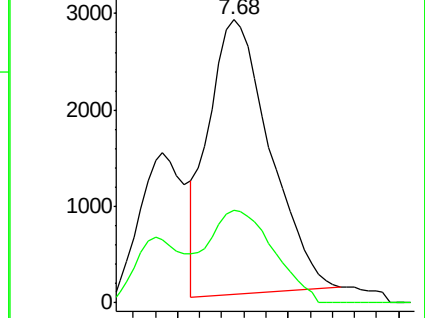
75 100

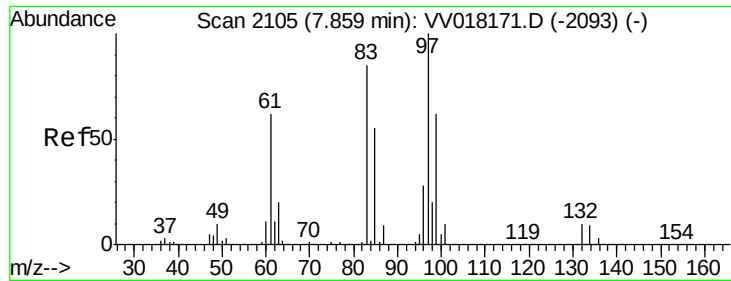
77 32.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





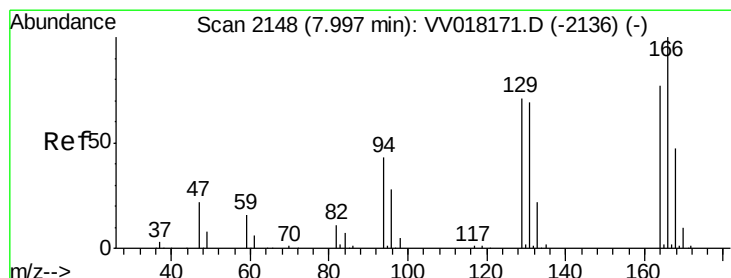
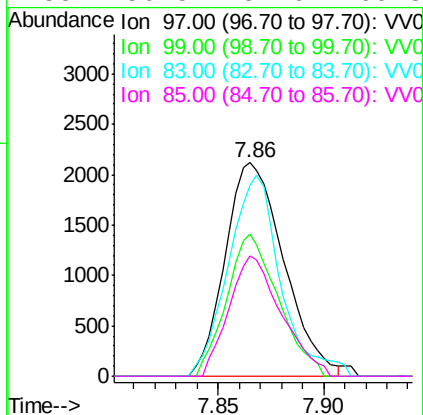
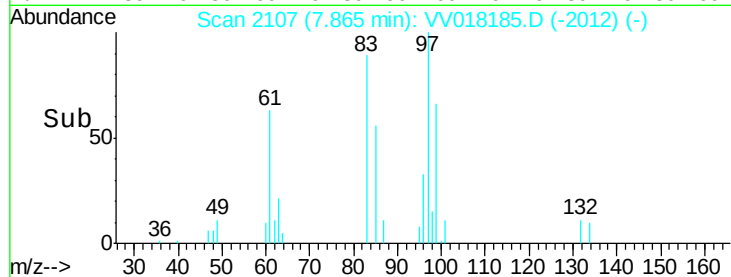
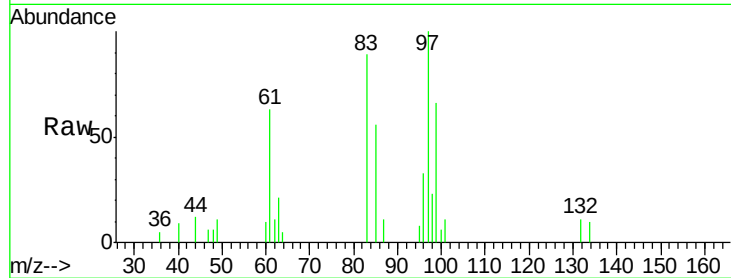
#45
1,1,2-Trichloroethane
Concen: 2.004 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	4094
Ion	Ratio	Lower	Upper
97	100		
99	66.4	43.7	81.1
83	89.1	59.9	111.3
85	56.5	37.6	69.8

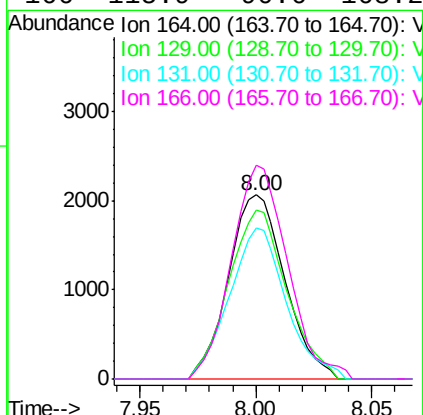
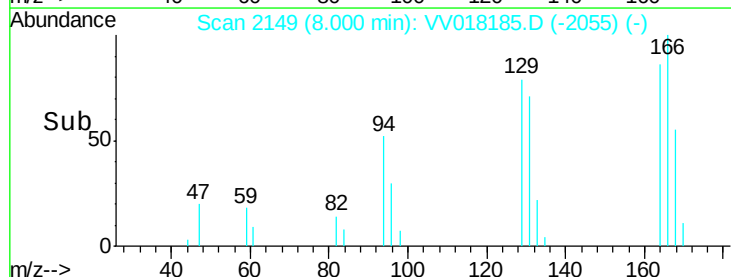
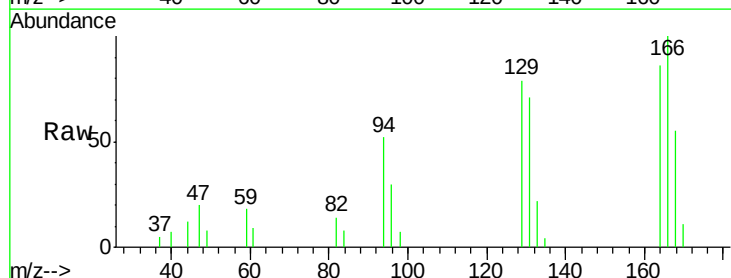
Manual Integrations
APPROVED

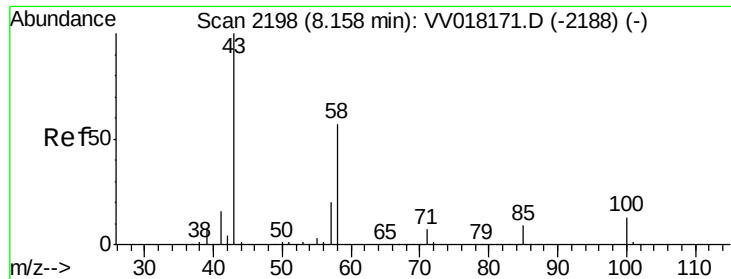
MMDadoda
9/11/2020 10:28:56 AM



#46
Tetrachloroethene
Concen: 1.972 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion:	164	Resp:	3502
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.5	119.7
131	82.1	61.8	114.8
166	115.9	90.6	168.2





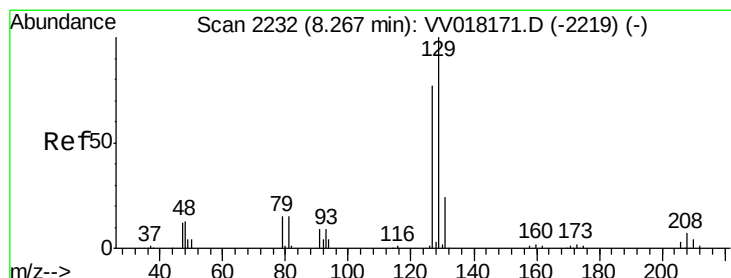
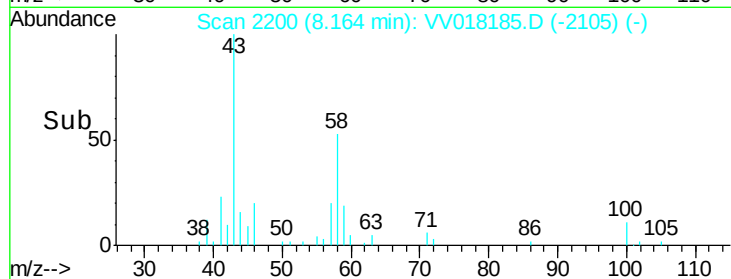
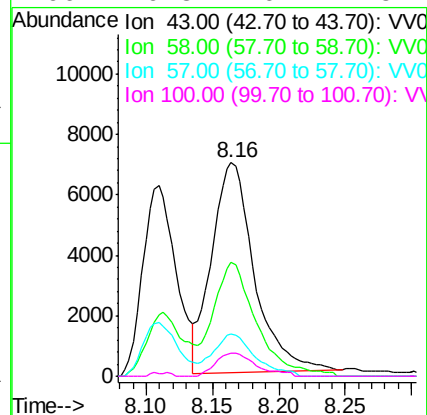
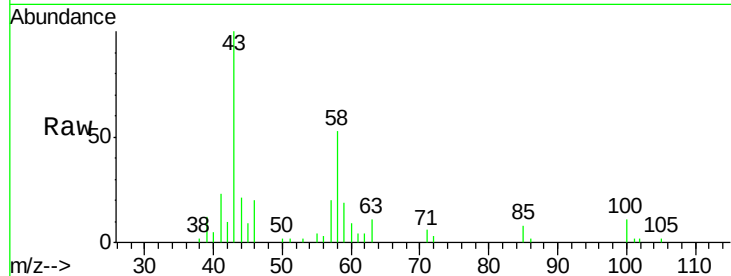
#48
2-Hexanone
Concen: 7.395 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	54.6	44.8	67.2	
57	19.6	15.8	23.6	
100	10.3	10.2	15.4	

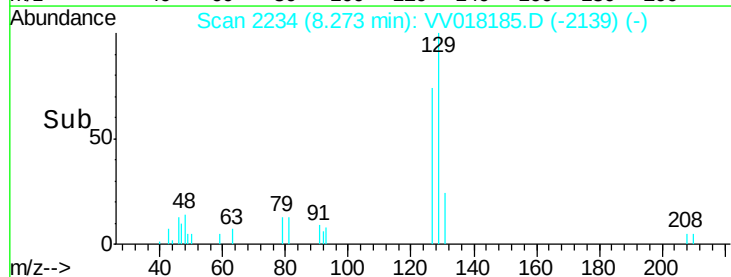
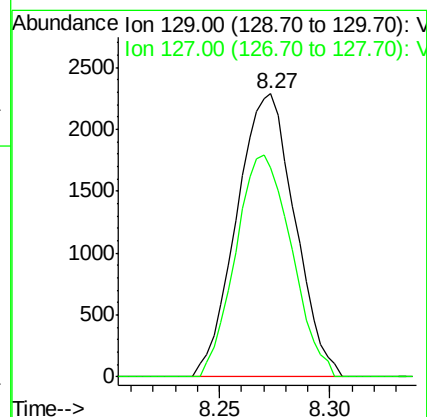
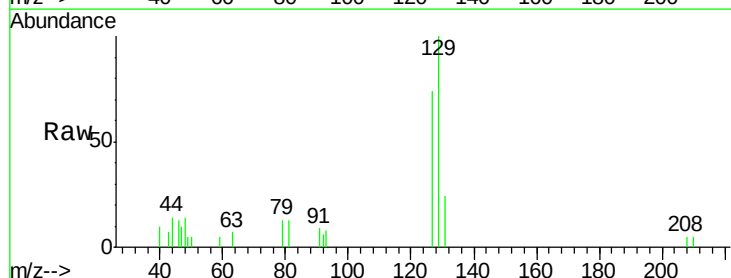
Manual Integrations
APPROVED

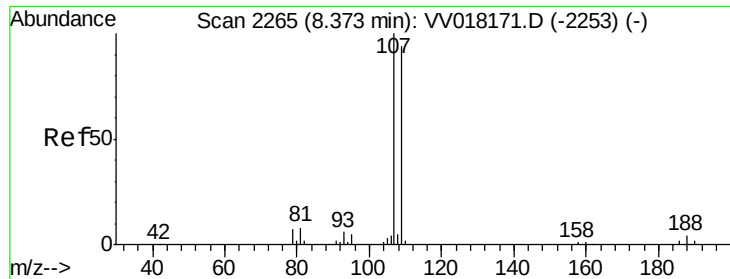
MMDadoda
9/11/2020 10:28:56 AM



#49
Dibromochloromethane
Concen: 1.824 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	74.0	54.5	101.1	





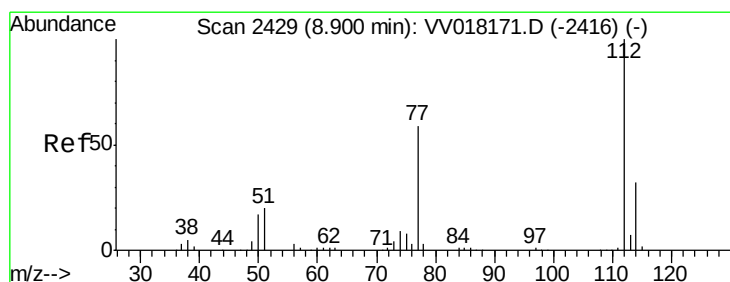
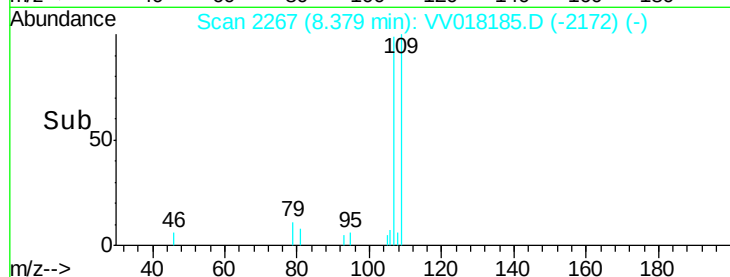
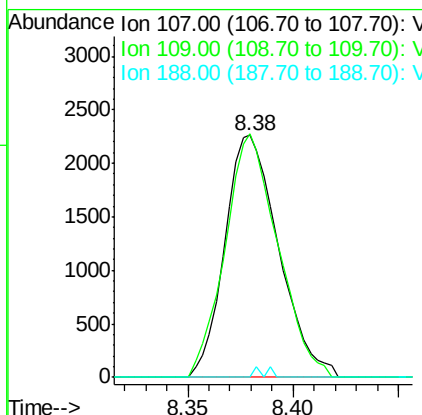
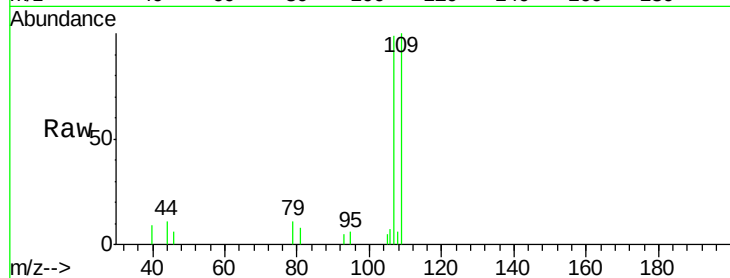
#50
1,2-Dibromoethane
Concen: 1.867 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.6	66.1	122.8
188	0.0	3.2	4.8#

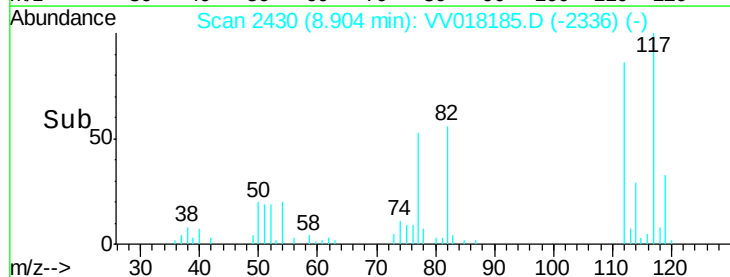
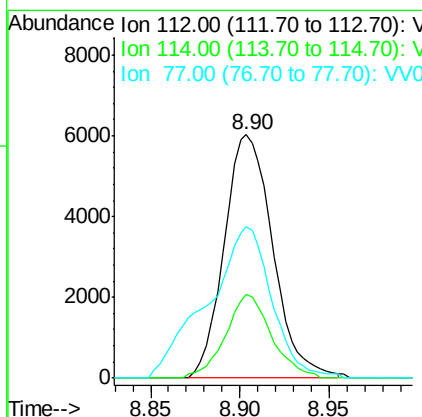
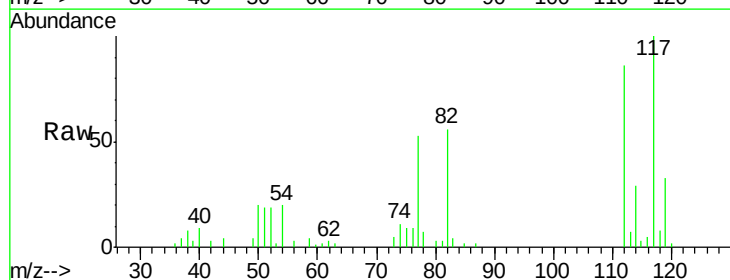
Manual Integrations
APPROVED

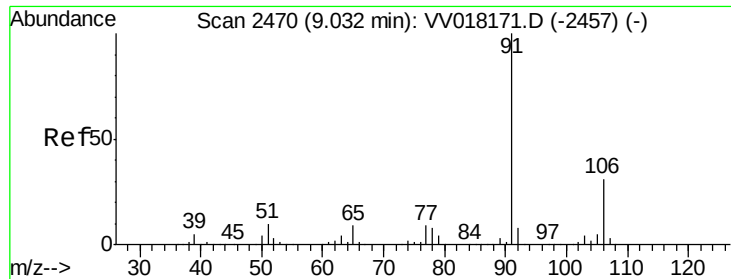
MMDadoda
9/11/2020 10:28:56 AM



#51
Chlorobenzene
Concen: 2.005 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.6	42.0
77	62.2	48.0	72.0





#52

Ethylbenzene

Concen: 1.786 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 17158

Ion Ratio Lower Upper

91 100

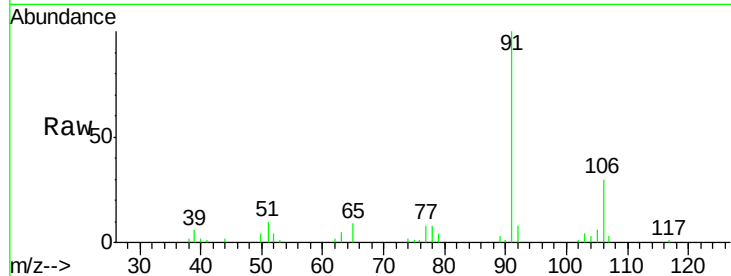
106 30.2 21.3 39.5

Manual Integrations

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MMDadoda

9/11/2020 10:28:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VV018185.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018185.D (-2377) (-)

12000

10000

8000

6000

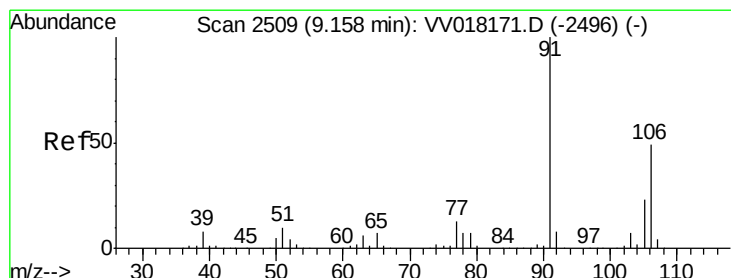
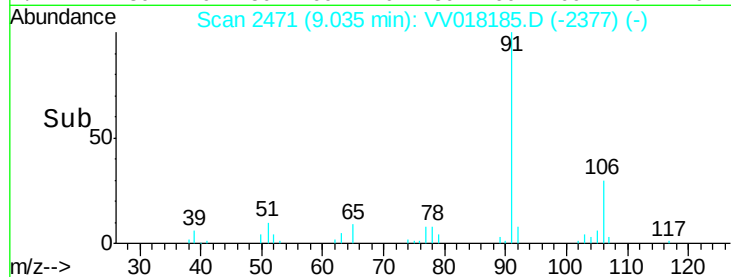
4000

2000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 1.766 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018185.D

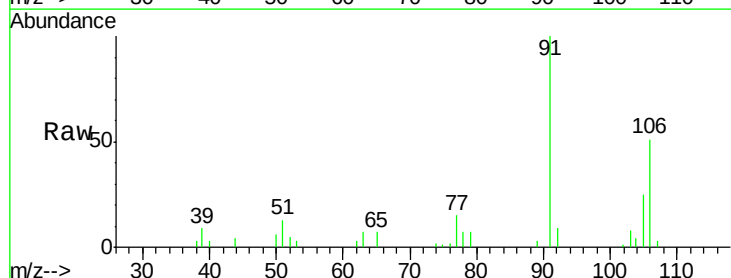
Acq: 10 Sep 2020 17:26

Tgt Ion: 106 Resp: 6334

Ion Ratio Lower Upper

106 100

91 194.5 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018185.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018185.D (-2416) (-)

8000

6000

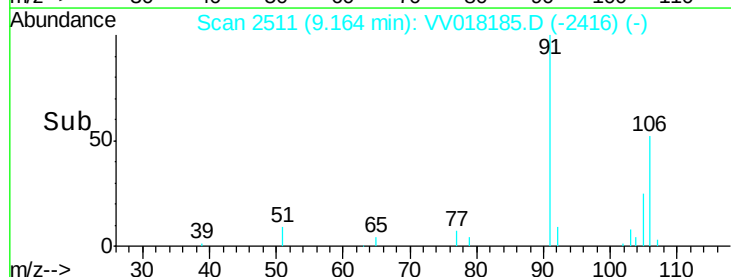
4000

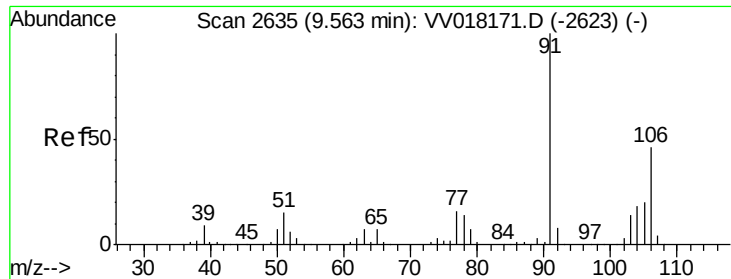
2000

0

9.10 9.15 9.20

Time-->





#54

o-xylene

Concen: 1.707 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tot Ion:106 Resp: 5898

Ion Ratio Lower Upper

106 100

91 214.6 152.2 282.6

Instrument :

MSVOA_V

ClientSampled :

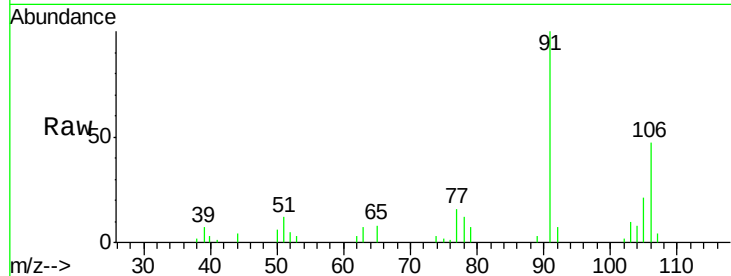
MDL03

Manual Integrations

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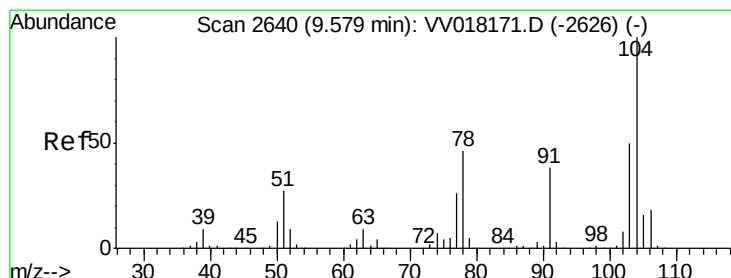
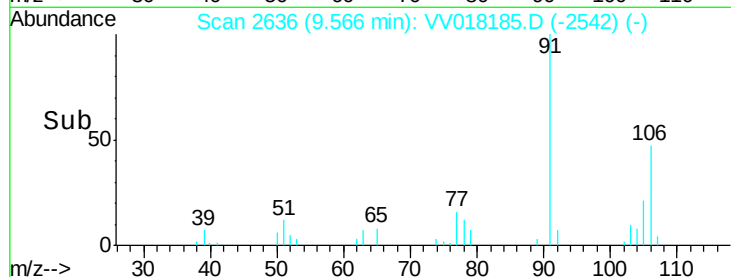
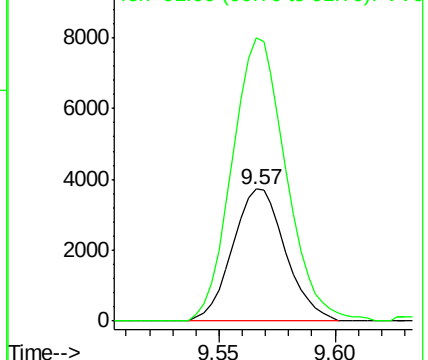
MMDadoda

9/11/2020 10:28:56 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.627 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018185.D

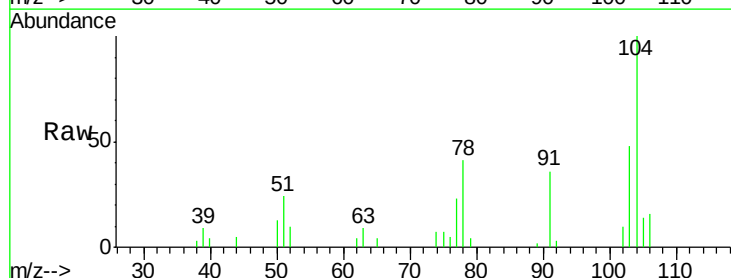
Acq: 10 Sep 2020 17:26

Tgt Ion:104 Resp: 9772

Ion Ratio Lower Upper

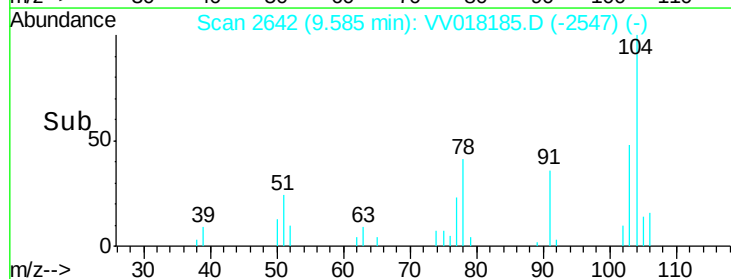
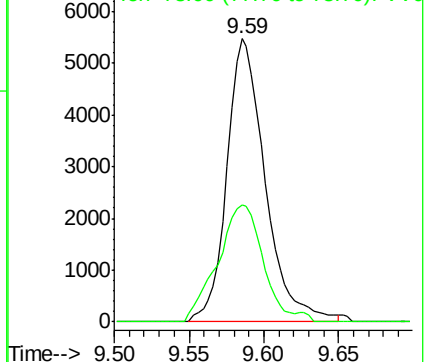
104 100

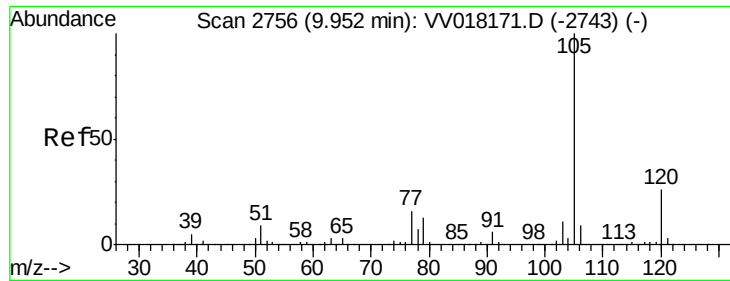
78 41.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.646 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Instrument :

MSVOA_V

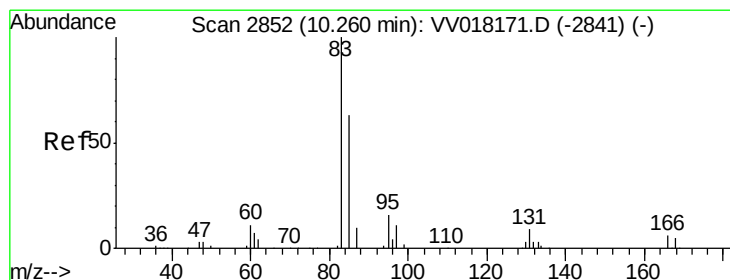
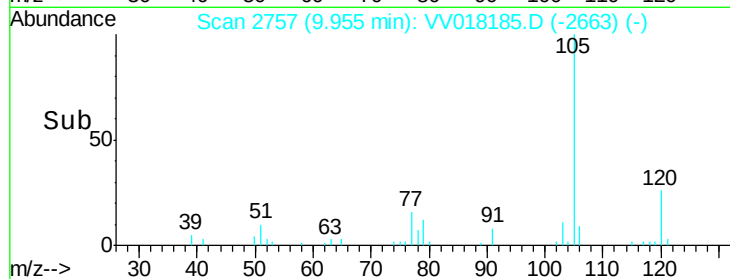
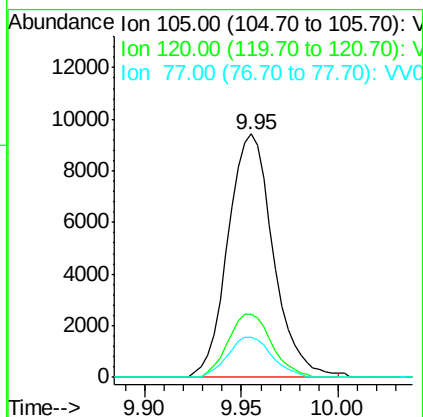
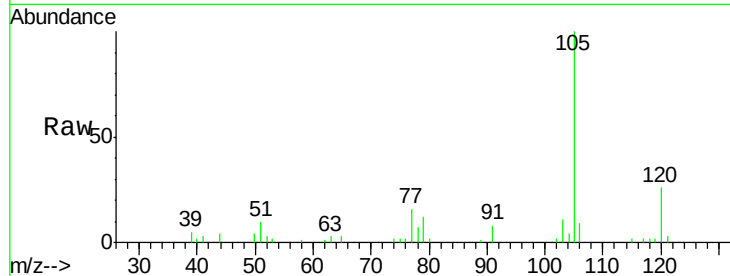
ClientSampled :

MDL03

Tot Ion:	105	Resp:	15325
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.9	31.3
77	16.0	12.5	18.7

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 2.097 ug/L

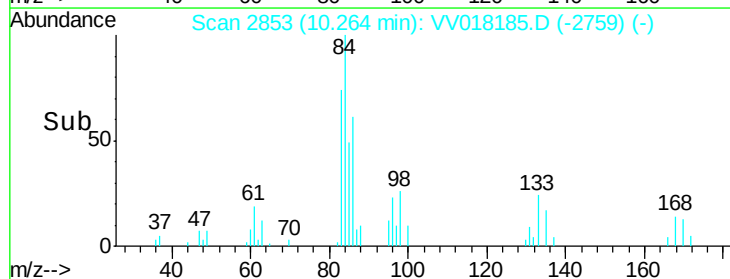
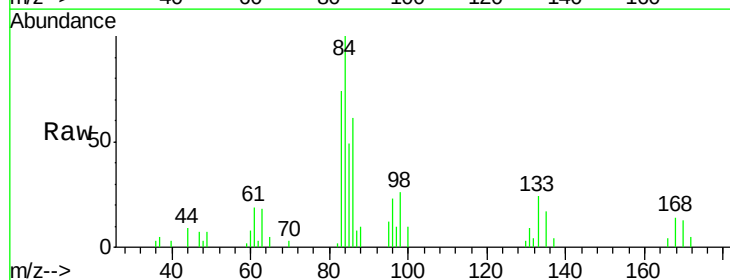
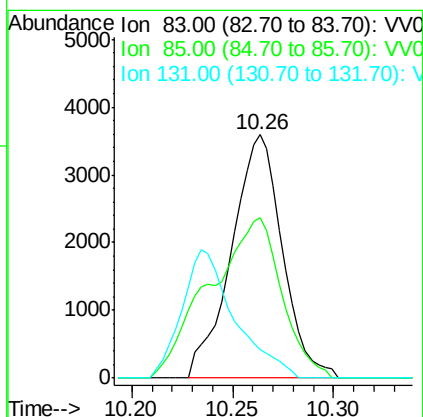
RT: 10.26 min Scan# 2853

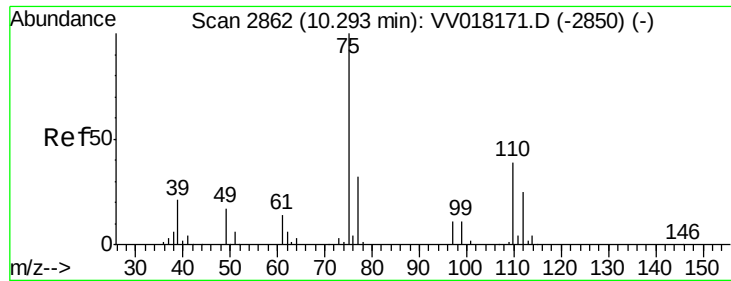
Delta R.T. 0.00 min

Lab File: VV018185.D

Acq: 10 Sep 2020 17:26

Tgt Ion:	83	Resp:	6337
Ion Ratio	Lower	Upper	
83	100		
85	65.7	45.8	85.2
131	12.0	8.0	12.0





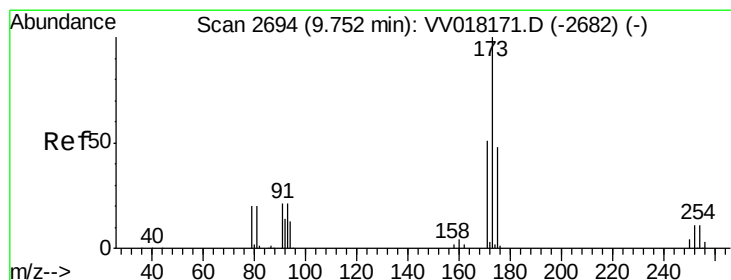
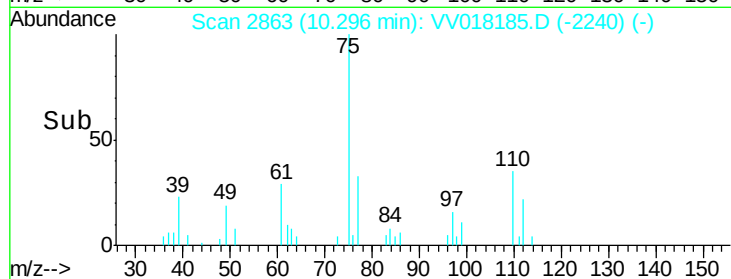
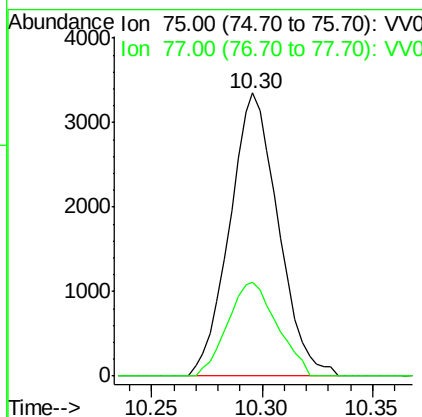
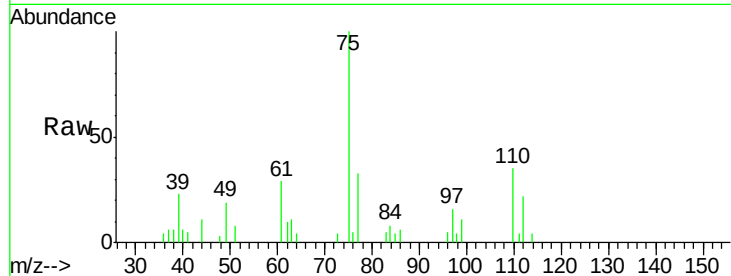
#59
 1,2,3-Trichloropropane
 Concen: 1.978 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 5126
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.8 38.6

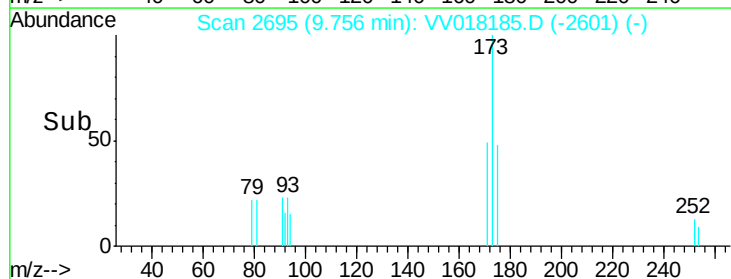
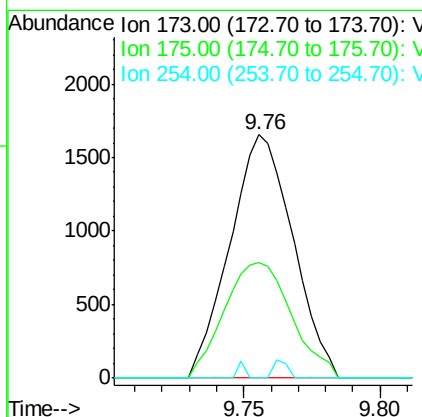
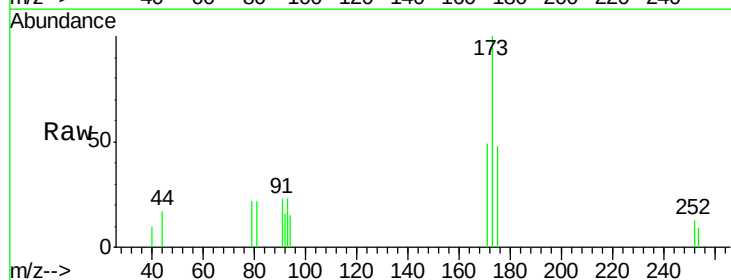
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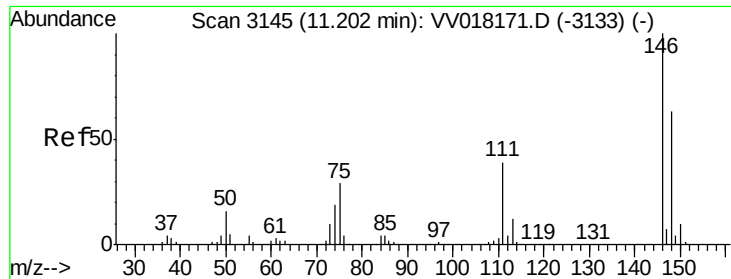
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#61
 Bromoform
 Concen: 1.671 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion: 173 Resp: 2648
 Ion Ratio Lower Upper
 173 100
 175 50.7 39.0 58.6
 254 1.6 9.0 13.4#





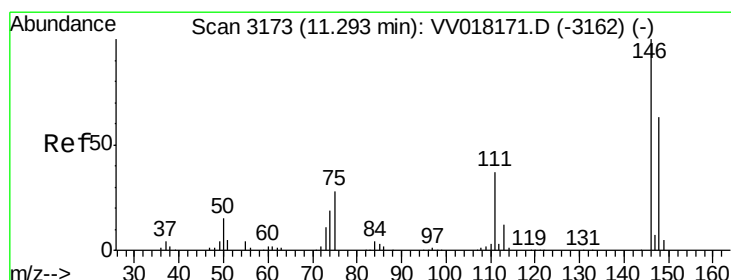
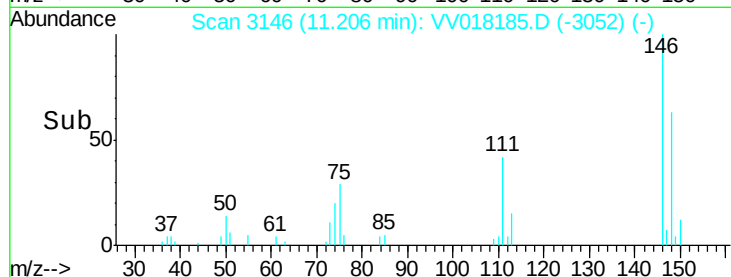
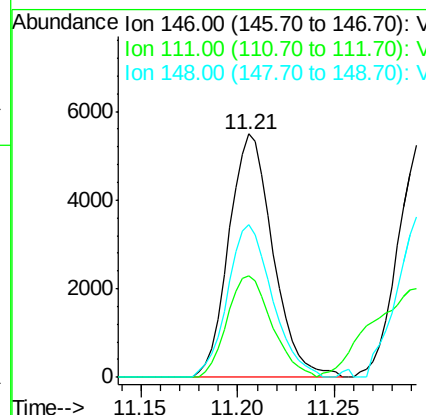
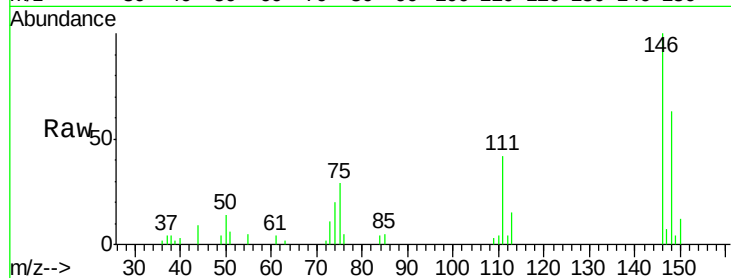
#62
 1,3-Dichlorobenzene
 Concen: 1.979 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	27.6	51.2
148	62.8	45.4	84.2

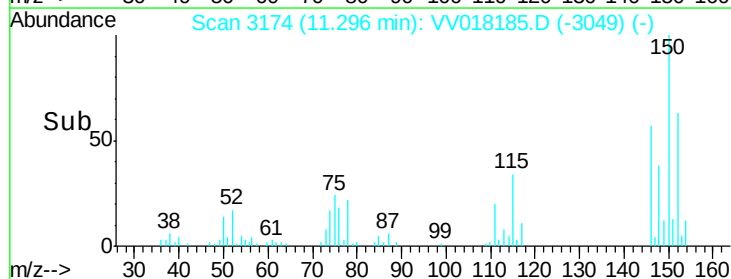
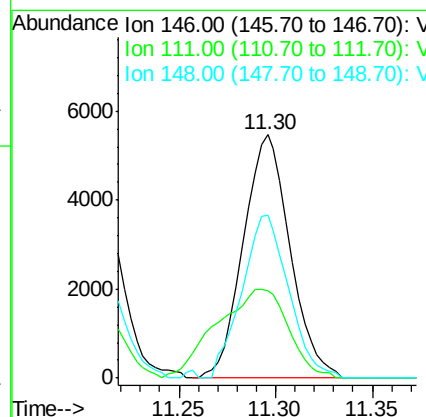
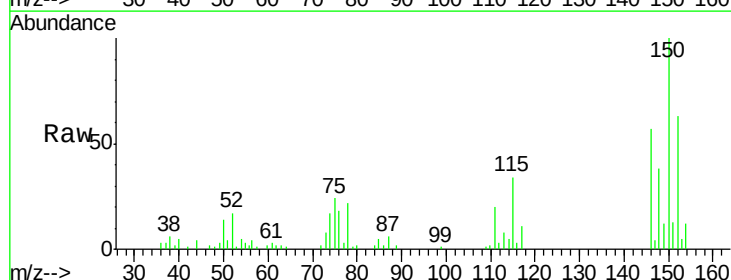
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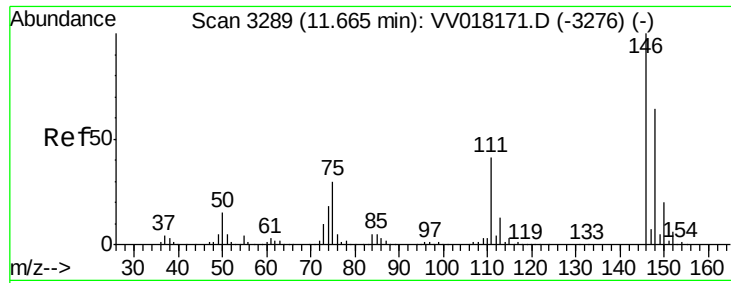
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#63
 1,4-Dichlorobenzene
 Concen: 2.039 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	27.1	50.3
148	67.1	45.4	84.2





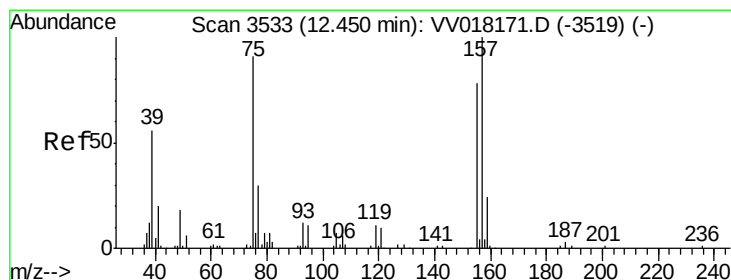
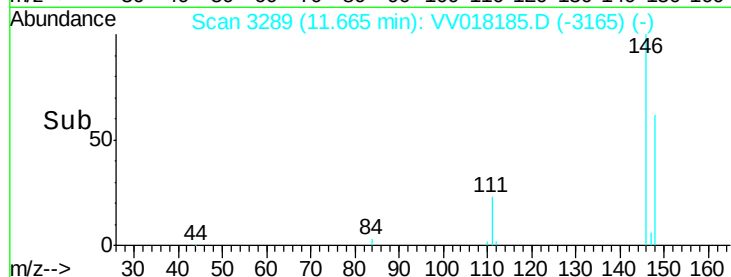
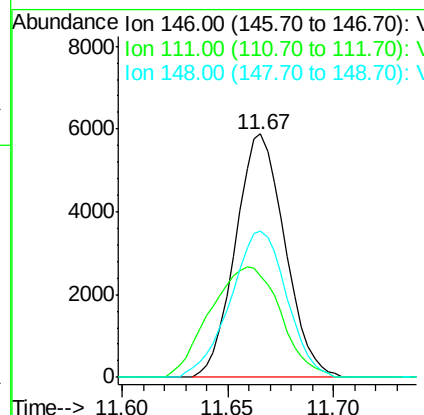
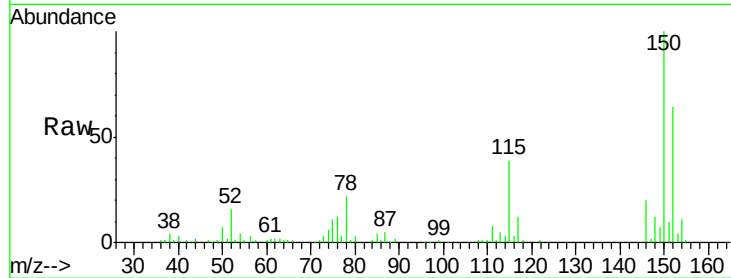
#65
 1,2-Dichlorobenzene
 Concen: 2.158 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.8	49.2
148	60.3	50.7	76.1

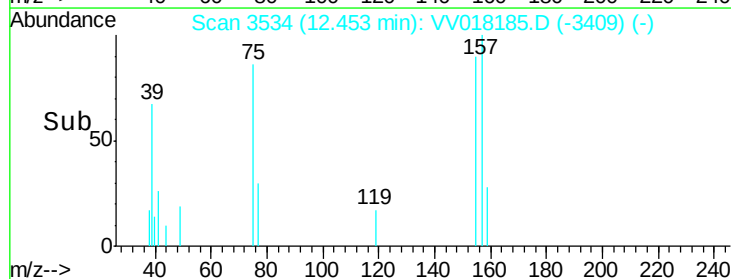
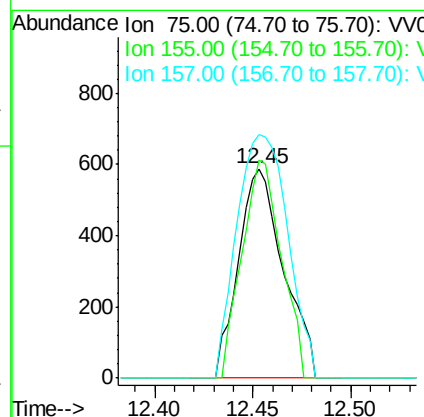
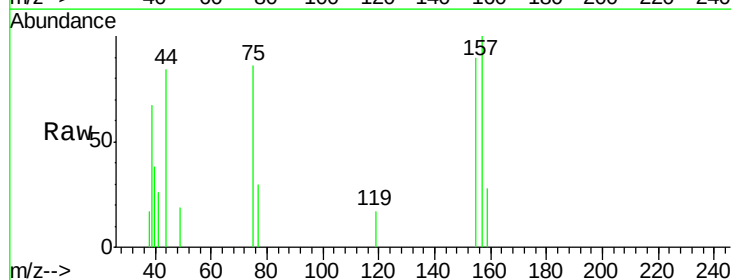
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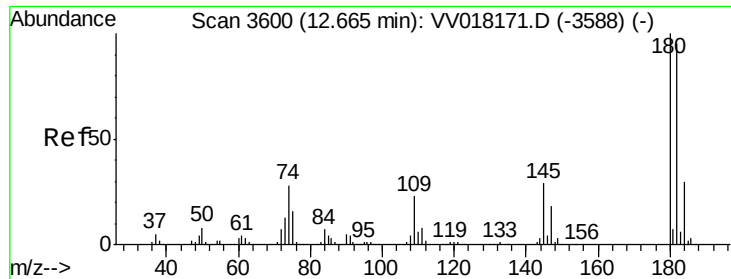
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.496 ug/L m
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	69.7	104.5
157	116.1	88.2	132.4





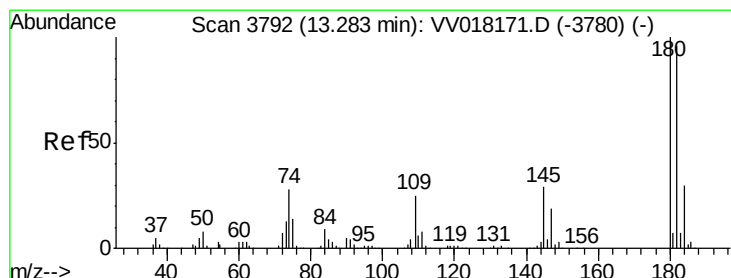
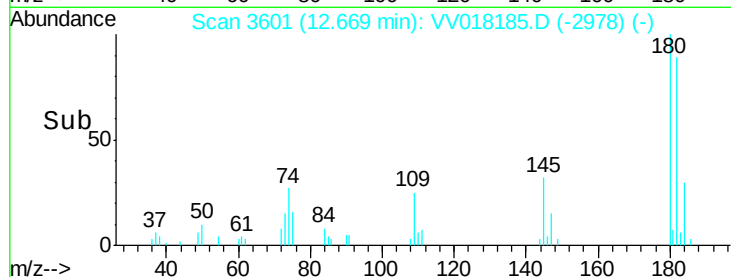
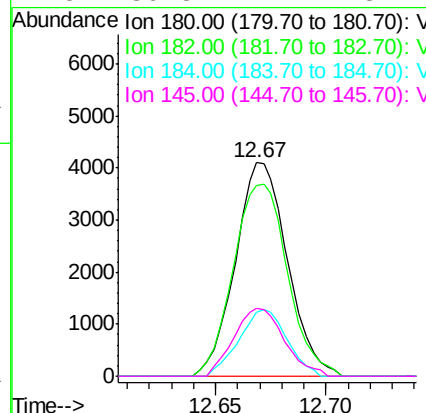
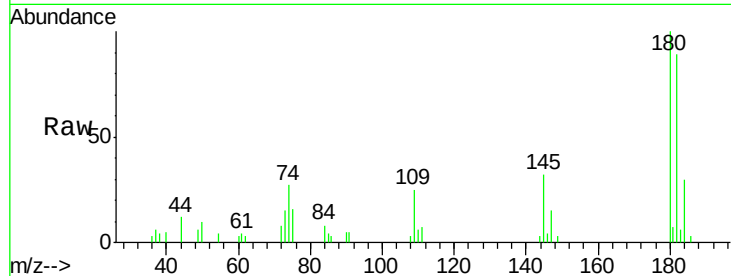
#67
 1,3,5-Trichlorobenzene
 Concen: 1.948 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
184	28.6	24.6	36.8
145	30.8	22.7	34.1

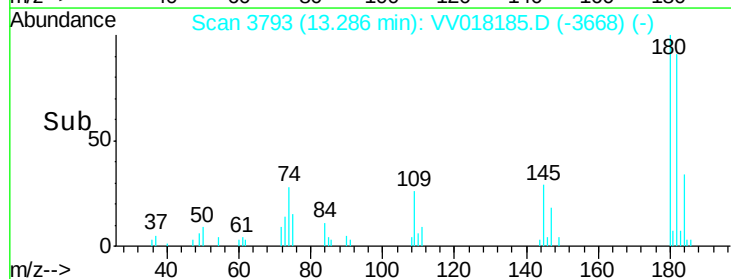
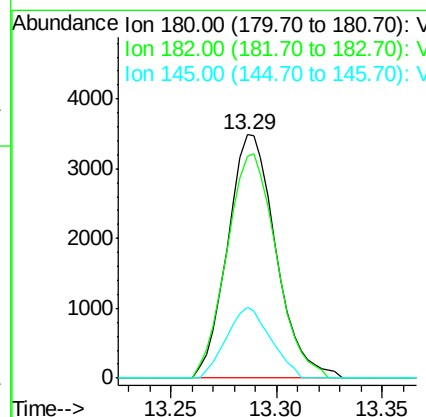
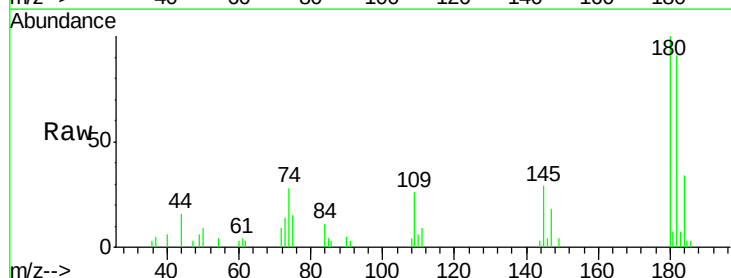
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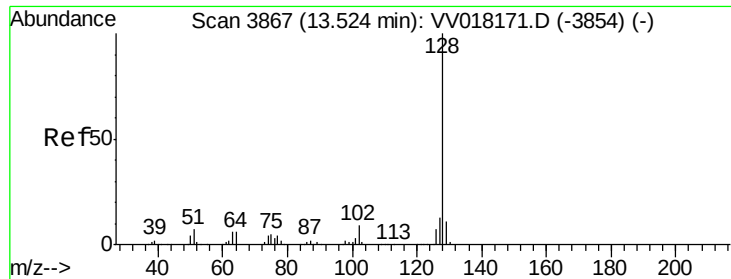
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#68
 1,2,4-trichlorobenzene
 Concen: 1.803 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018185.D
 Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.2
145	26.4	23.2	34.8





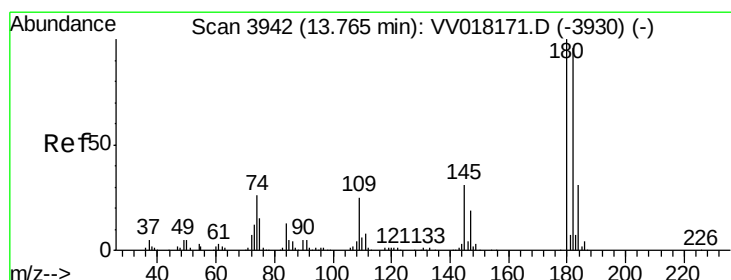
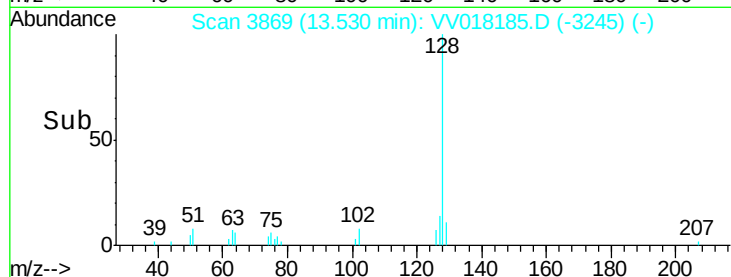
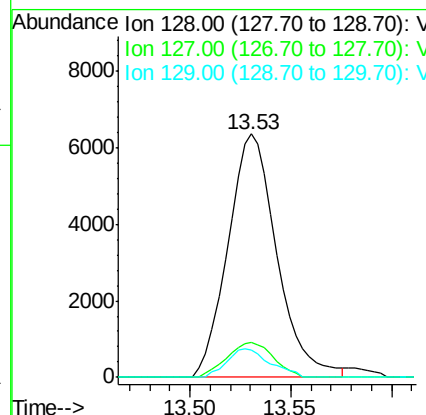
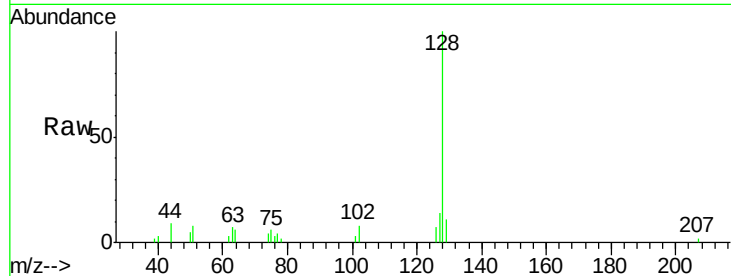
#69
Naphthalene
Concen: 1.381 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.3	8.6	13.0

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 1.703 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018185.D
Acq: 10 Sep 2020 17:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.4	76.5	114.7
145	32.0	24.9	37.3

