

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018187.D
 Acq On : 10 Sep 2020 18:11
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:29:06 AM

Quant Time: Sep 11 03:23:50 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	293417	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289875	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147839	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101453	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.86%
7) Chloroethane-d5	1.58	69	88915	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.88%
11) 1,1-Dichloroethene-d2	2.12	63	153587	35.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.02%
21) 2-Butanone-d5	3.91	46	145337	99.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.38	84	188697	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
26) 1,2-Dichloroethane-d4	5.06	65	129722	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.08	84	392954	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
36) 1,2-Dichloropropane-d6	6.09	67	126942	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.34	98	353354	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloropropene-	7.64	79	59108	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.11	63	90560	90.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.67%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	156011	47.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	152539	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4732	2.212 ug/L	99
3) Chloromethane	1.25	50	5398	2.311 ug/L	99
5) Vinyl chloride	1.32	62	5788	2.416 ug/L #	71
6) Bromomethane	1.53	94	3434	2.345 ug/L	95
8) Chloroethane	1.60	64	3821	2.546 ug/L	99
9) Trichlorofluoromethane	1.77	101	7664	2.325 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5781	2.920 ug/L	84
12) 1,1-Dichloroethene	2.13	96	5498	2.854 ug/L #	1
13) Acetone	2.19	43	4705	4.014 ug/L	97
14) Carbon disulfide	2.31	76	13455	2.282 ug/L	99
15) Methyl Acetate	2.46	43	4399	2.089 ug/L	91
16) Methylene chloride	2.53	84	5687	2.632 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	4310	2.171 ug/L	97
18) Methyl tert-butyl Ether	2.79	73	13239	2.156 ug/L	99
19) 1,1-Dichloroethane	3.22	63	8471	2.257 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4475	2.108 ug/L	88
22) 2-Butanone	4.03	43	5995m	4.320 ug/L	

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Manual Integrations
 APPROVED

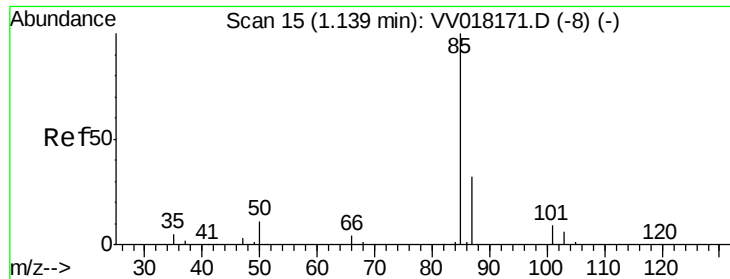
MMDadoda
 9/11/2020 10:29:06 AM

Quant Time: Sep 11 03:23:50 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)

23) Bromochloromethane	4.28	128	2339	2.106	ug/L	94
25) Chloroform	4.41	83	16195	4.244	ug/L	98
27) 1,2-Dichloroethane	5.16	62	6979	2.363	ug/L #	95
29) Cyclohexane	4.70	56	6917	2.066	ug/L #	61
30) 1,1,1-Trichloroethane	4.64	97	7215	2.145	ug/L	98
31) Carbon tetrachloride	4.86	117	6262	2.117	ug/L	93
33) Benzene	5.13	78	18526	2.235	ug/L	100
34) Trichloroethene	5.95	95	5375	2.381	ug/L	96
35) Methylcyclohexane	6.16	83	7316	2.152	ug/L	99
37) 1,2-Dichloropropane	6.20	63	5170	2.354	ug/L #	89
38) Bromodichloromethane	6.54	83	6001	2.100	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	6096	1.802	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	10599	3.978	ug/L	98
42) Toluene	7.41	91	19319	2.203	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	7343m	2.229	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	4559	2.240	ug/L	98
46) Tetrachloroethene	8.00	164	3951	2.232	ug/L	92
48) 2-Hexanone	8.16	43	15611	7.432	ug/L	97
49) Dibromochloromethane	8.27	129	4754	2.081	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4692	2.190	ug/L	96
51) Chlorobenzene	8.90	112	13084	2.297	ug/L	99
52) Ethylbenzene	9.04	91	20225	2.112	ug/L	100
53) m,p-Xylene	9.16	106	7499	2.098	ug/L	88
54) o-xylene	9.57	106	6599	1.916	ug/L	97
55) Styrene	9.59	104	10974	1.834	ug/L	96
56) Isopropylbenzene	9.95	105	17239	1.858	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	7397	2.457	ug/L #	90
59) 1,2,3-Trichloropropane	10.30	75	5618	2.175	ug/L	95
61) Bromoform	9.76	173	3063	1.929	ug/L #	96
62) 1,3-Dichlorobenzene	11.21	146	9804	2.230	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	10872	2.406	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	10742	2.417	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	1117	1.781	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	7434	2.145	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6277	2.034	ug/L	96
69) Naphthalene	13.53	128	12000	1.537	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5827	1.917	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.212 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 4732

Ion Ratio Lower Upper

85 100

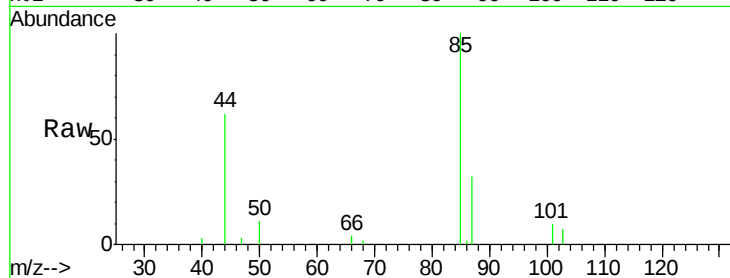
87 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

6000

5000

4000

3000

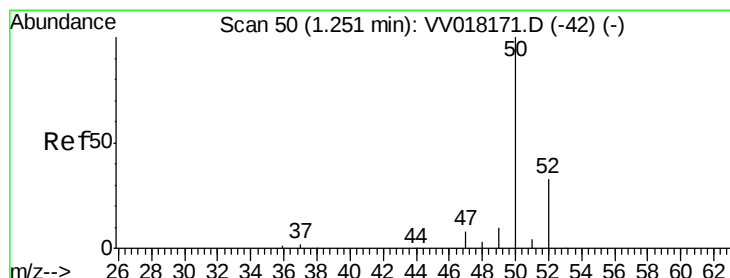
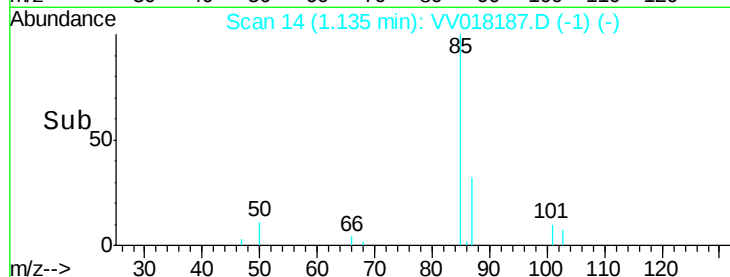
2000

1000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 2.311 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018187.D

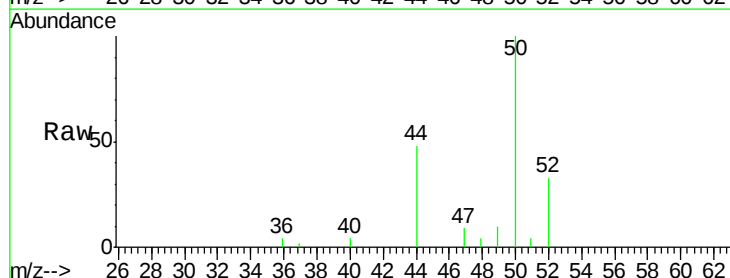
Acq: 10 Sep 2020 18:11

Tgt Ion: 50 Resp: 5398

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

6000

5000

4000

3000

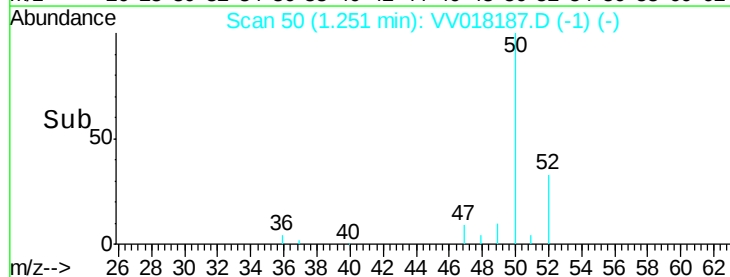
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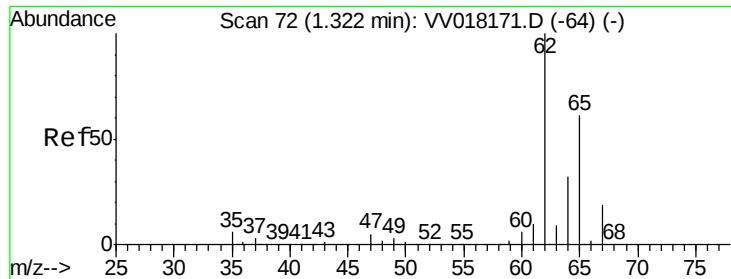
1000

0

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 2.416 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 62 Resp: 5788

Ion Ratio Lower Upper

62 100

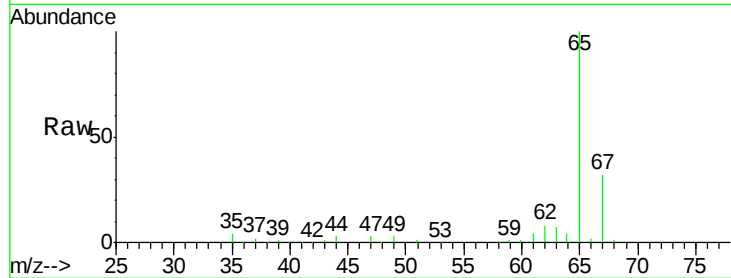
64 49.7 23.1 42.9#

Manual Integrations

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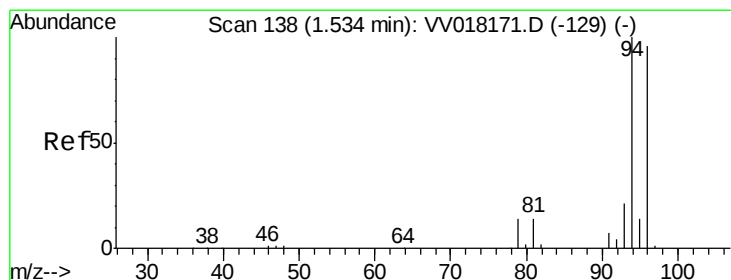
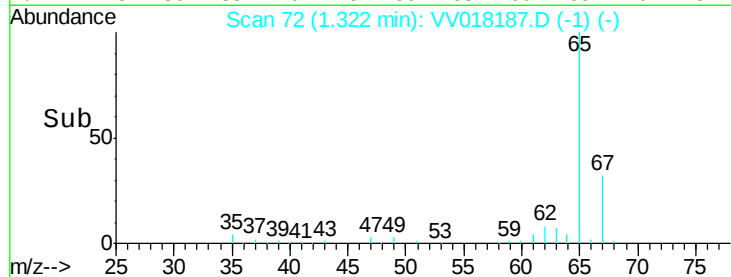
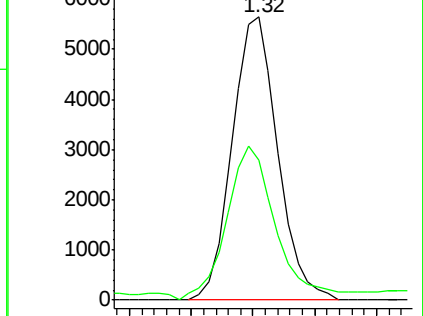
MMDadoda

9/11/2020 10:29:06 AM



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.345 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018187.D

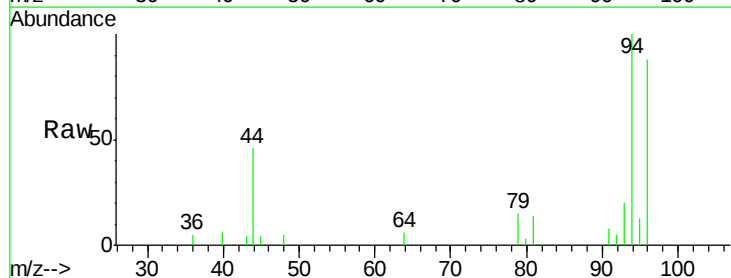
Acq: 10 Sep 2020 18:11

Tgt Ion: 94 Resp: 3434

Ion Ratio Lower Upper

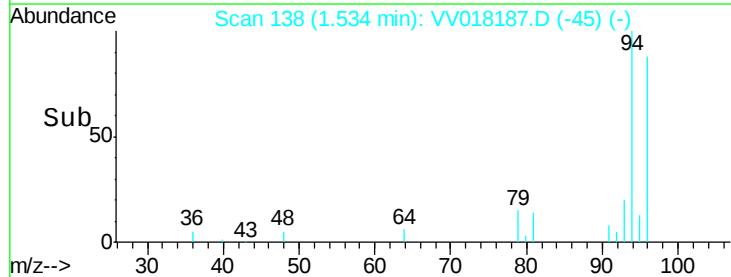
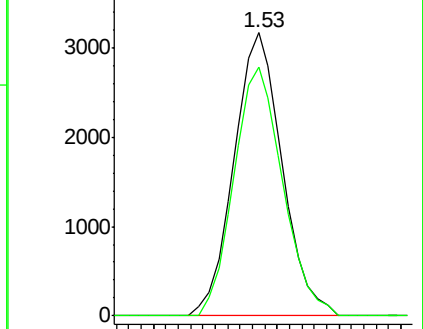
94 100

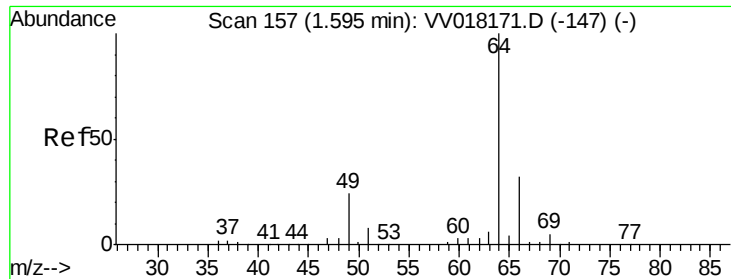
96 87.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.546 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 3821

Ion Ratio Lower Upper

64 100

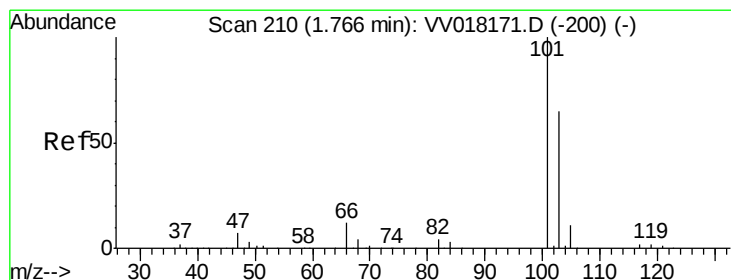
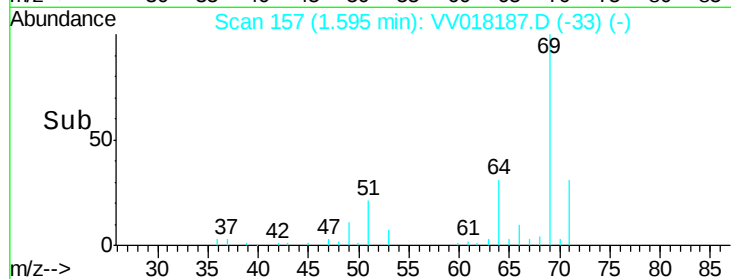
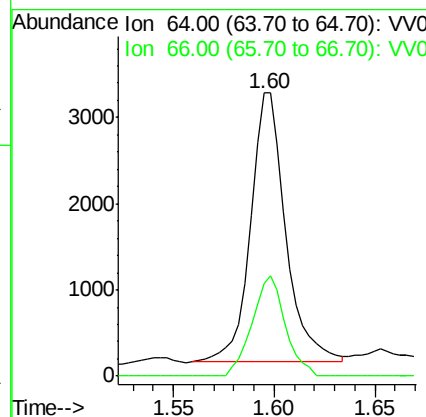
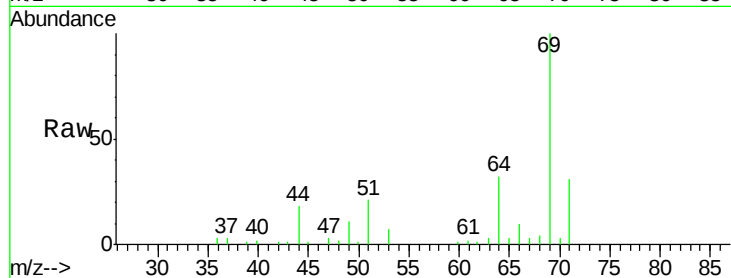
66 32.6 22.5 41.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.325 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018187.D

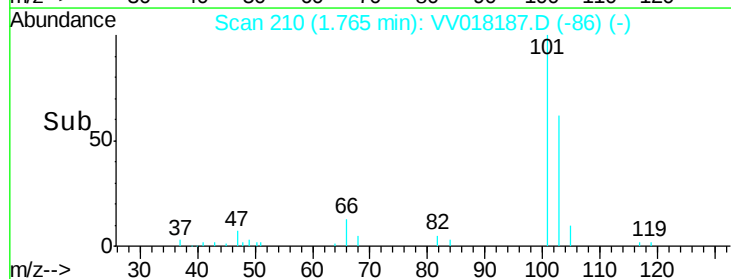
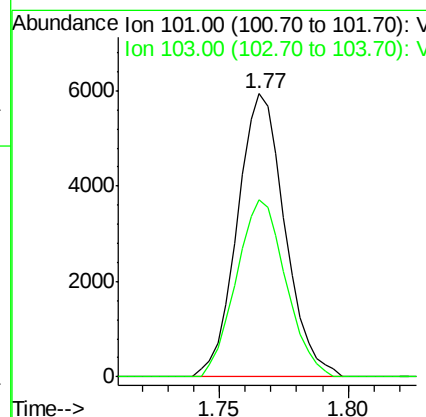
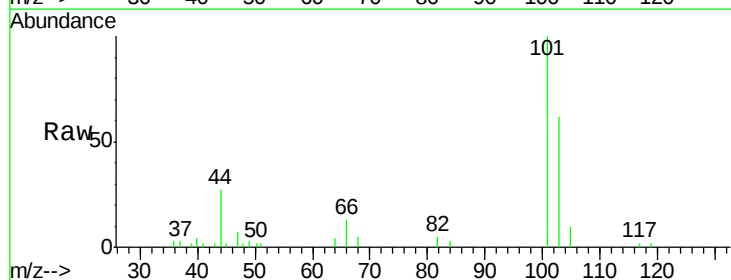
Acq: 10 Sep 2020 18:11

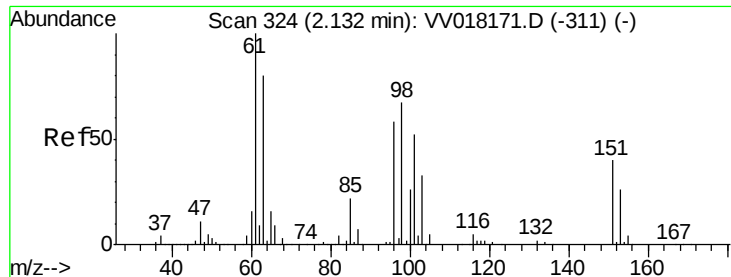
Tgt Ion: 101 Resp: 7664

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.6





#10

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

Concen: 2.920 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

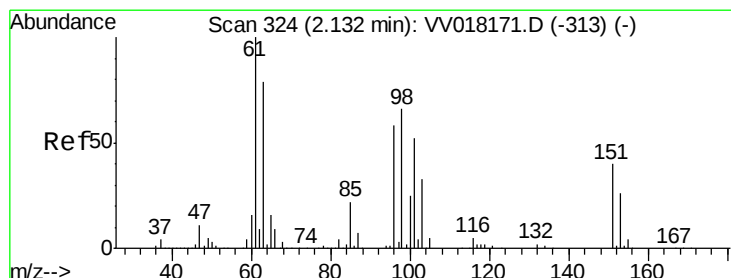
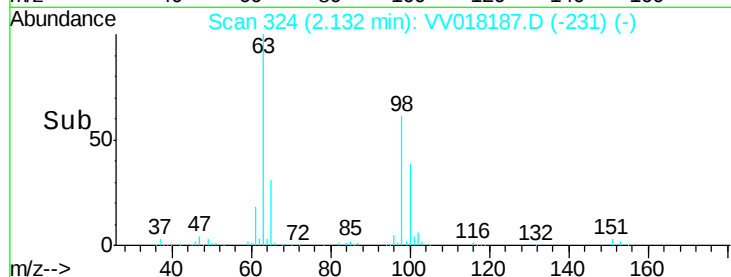
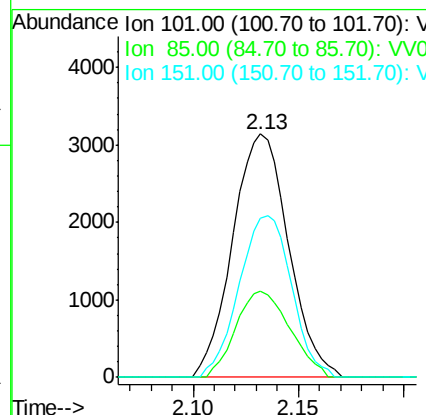
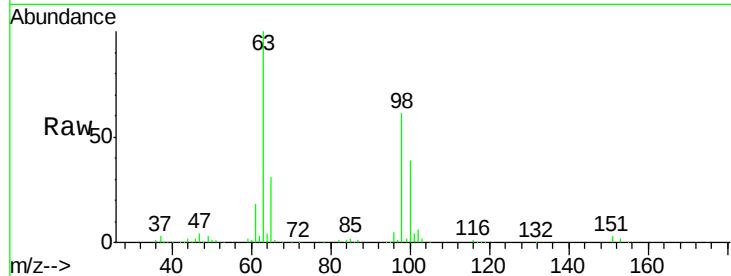
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	5781
Ion Ratio	Lower	Upper	
101	100		
85	34.3	33.5	50.3
151	62.4	62.2	93.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.854 ug/L

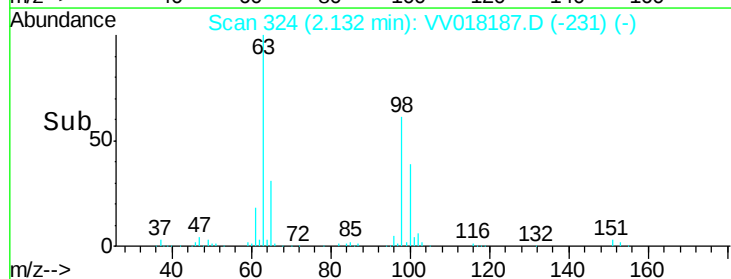
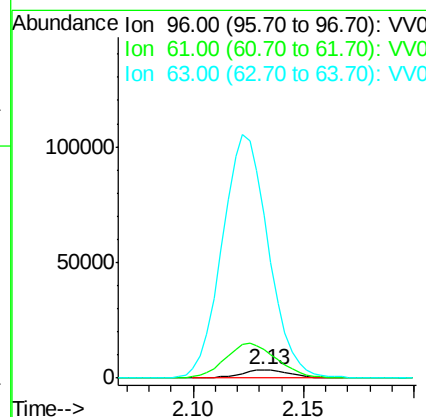
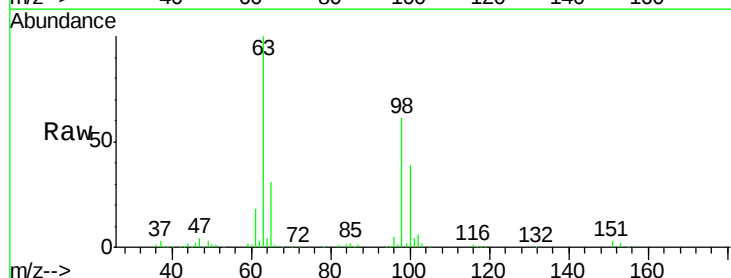
RT: 2.13 min Scan# 324

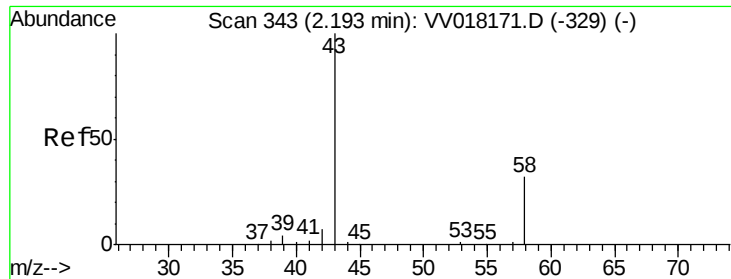
Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion:	96	Resp:	5498
Ion Ratio	Lower	Upper	
96	100		
61	353.2	122.9	228.3#
63	2000.8	91.9	170.7#





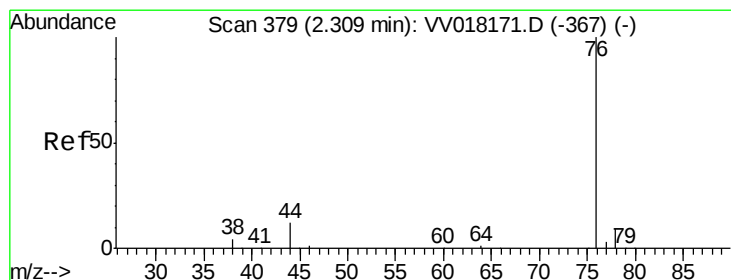
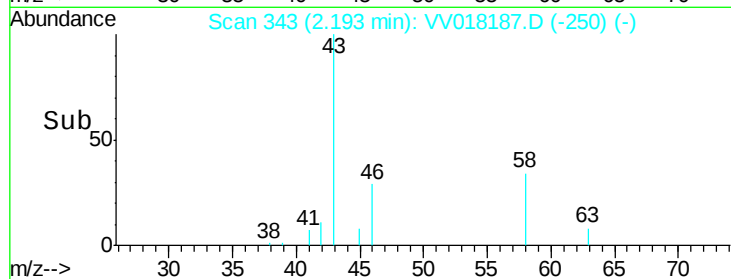
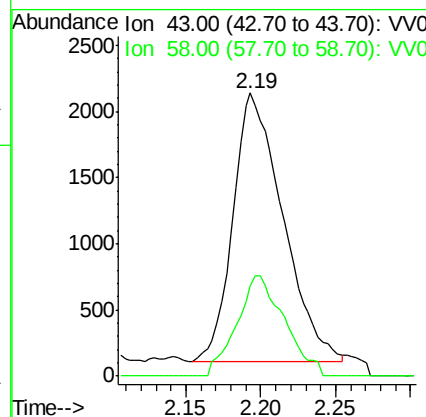
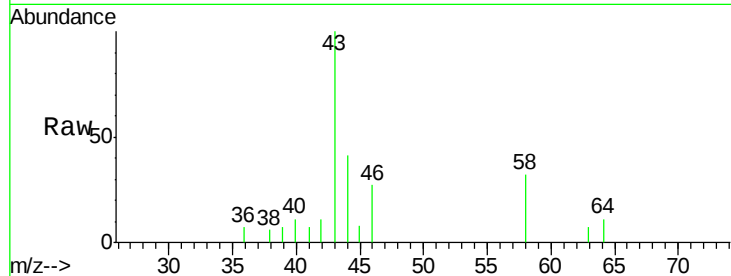
#13
Acetone
Concen: 4.014 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
58 35.3 0.0 67.4

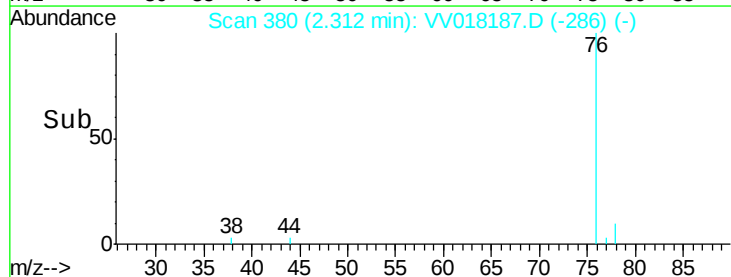
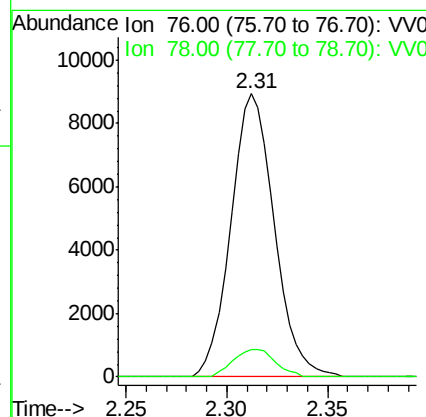
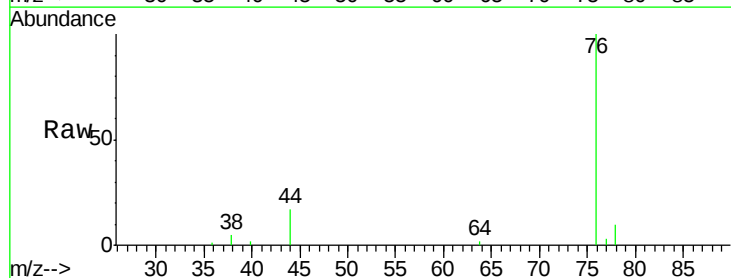
Manual Integrations
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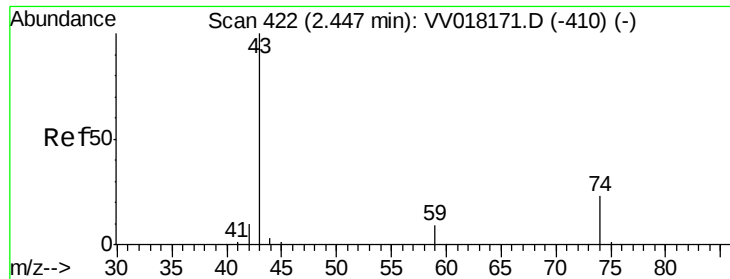
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9/11/2020 10:29:06 AM



#14
Carbon disulfide
Concen: 2.282 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 76 Resp: 13455
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9





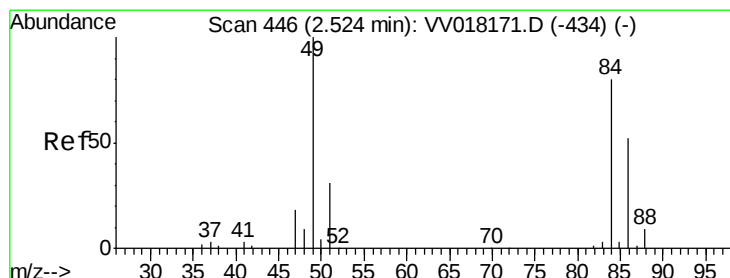
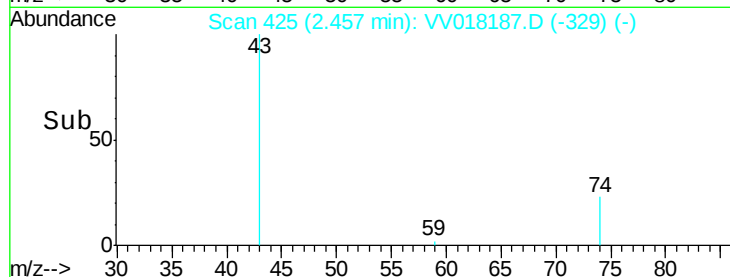
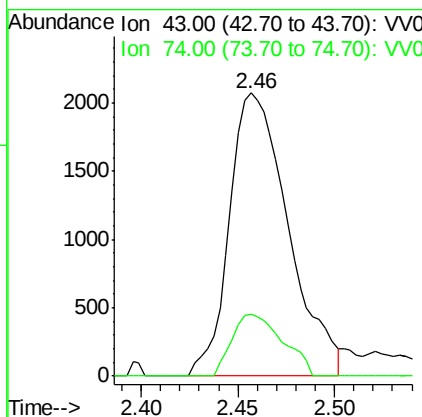
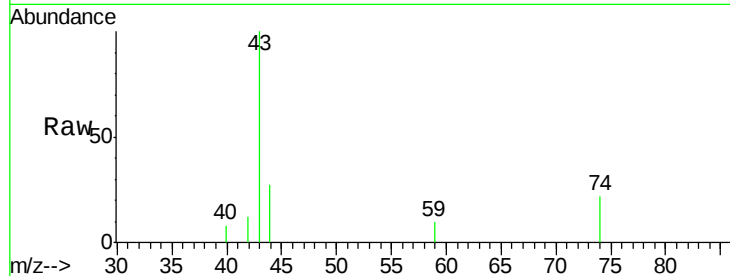
#15
Methvl Acetate
Concen: 2.089 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 4399
Ion Ratio Lower Upper
43 100
74 18.8 18.4 27.6

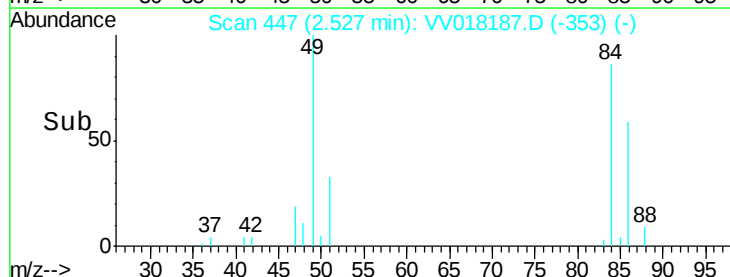
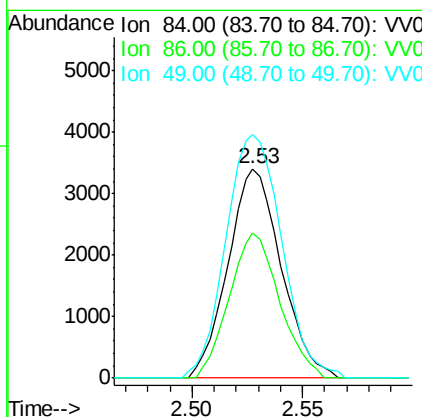
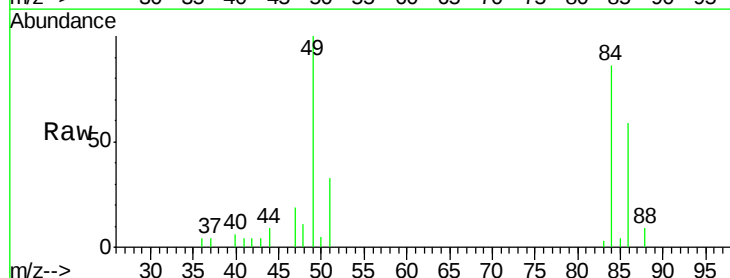
Manual Integrations
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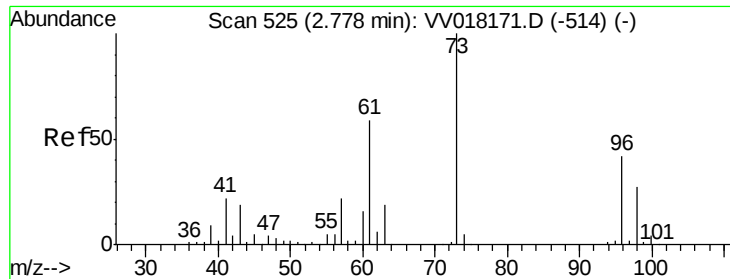
MMDadoda
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#16
Methylene chloride
Concen: 2.632 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 84 Resp: 5687
Ion Ratio Lower Upper
84 100
86 69.2 44.4 82.4
49 116.5 87.2 162.0





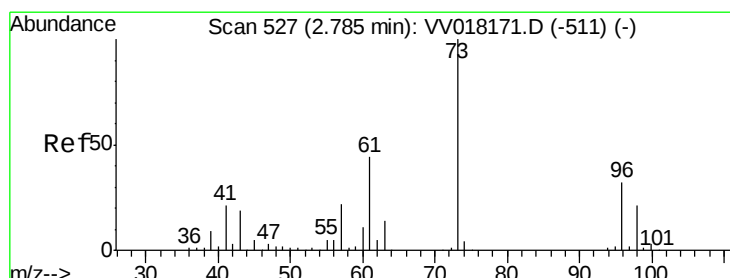
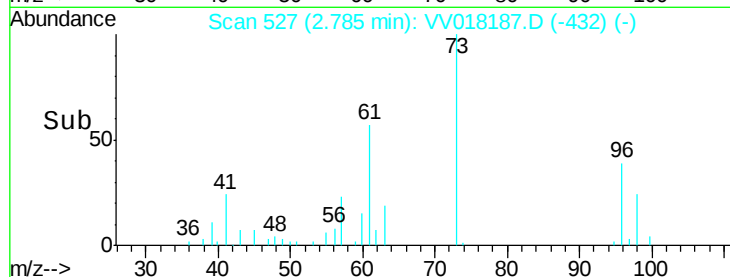
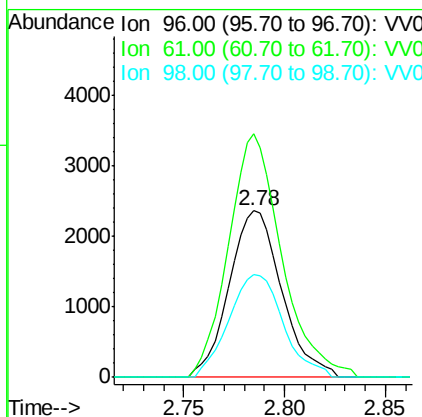
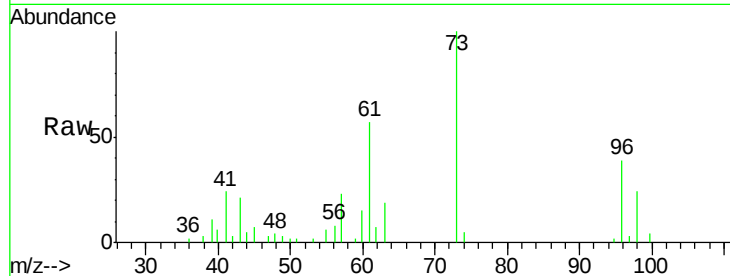
#17
trans-1,2-Dichloroethene
Concen: 2.171 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	100.7	186.9
98	61.7	45.2	84.0

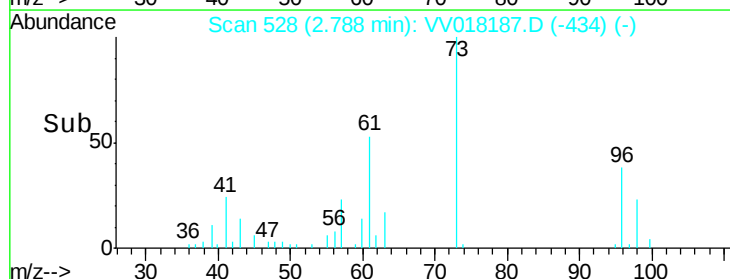
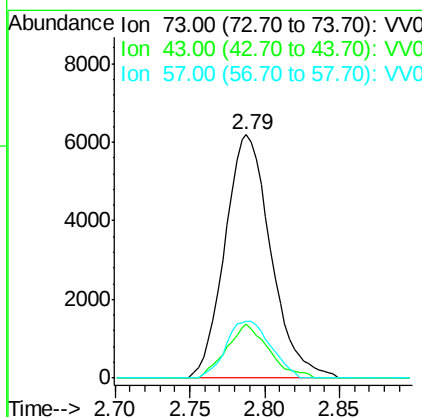
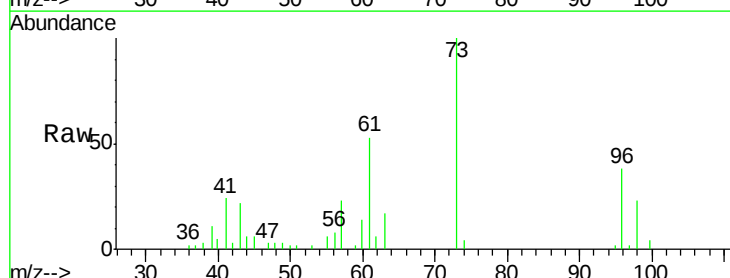
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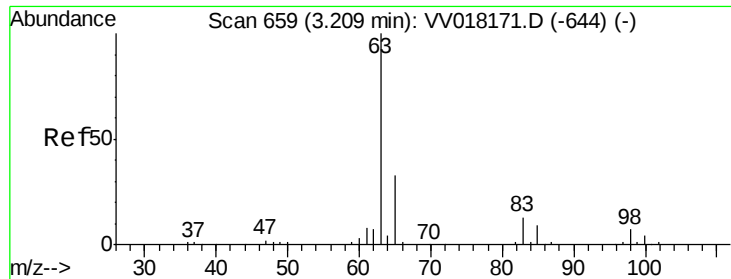
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 2.156 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.4	15.4	23.0
57	22.6	18.0	27.0





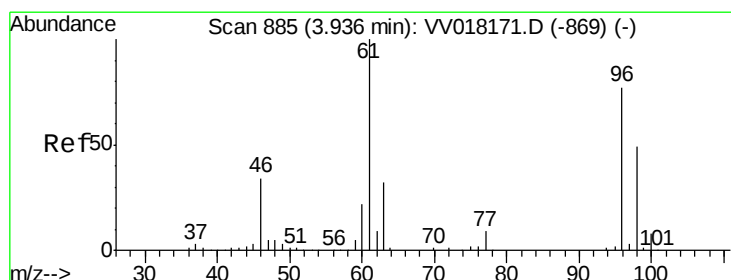
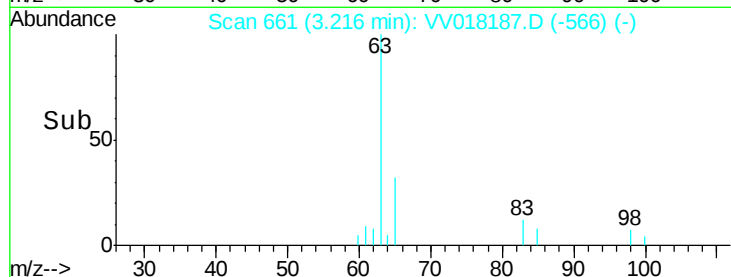
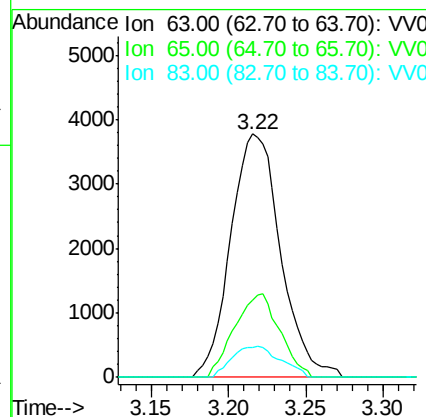
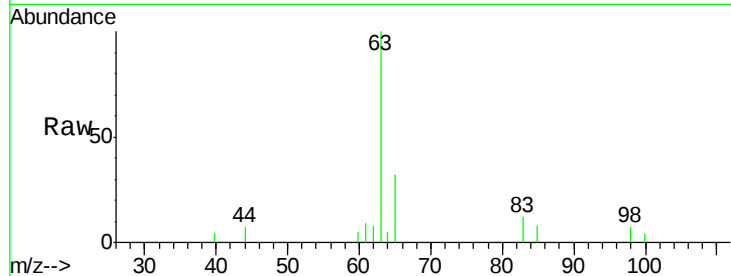
#19
 1,1-Dichloroethane
 Concen: 2.257 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.5	41.7
83	12.5	9.3	17.3

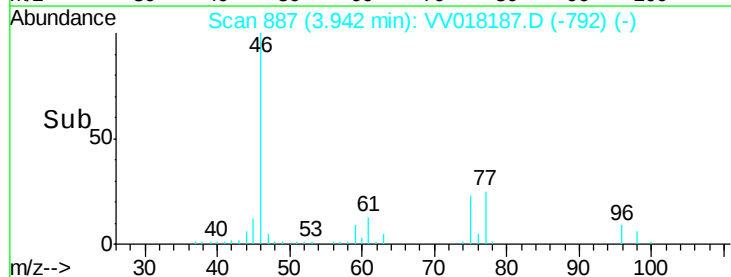
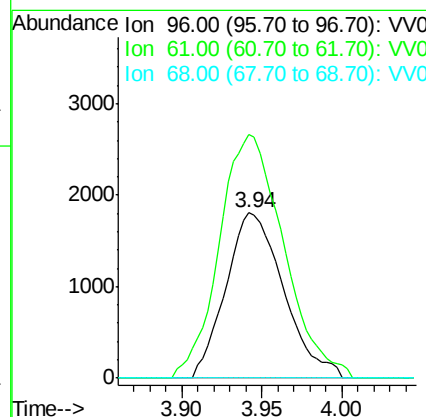
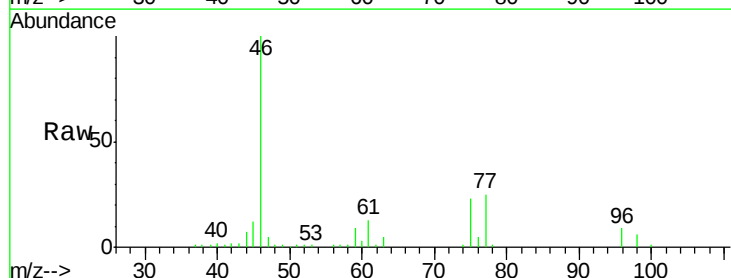
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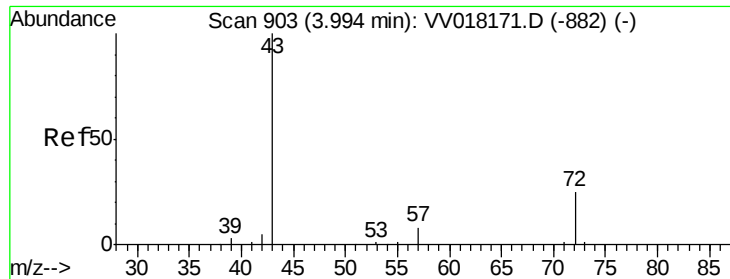
MMDadoda
 9/11/2020 10:29:06 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.108 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	93.6	173.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.320 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.03 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 5995

Ion Ratio Lower Upper

43 100

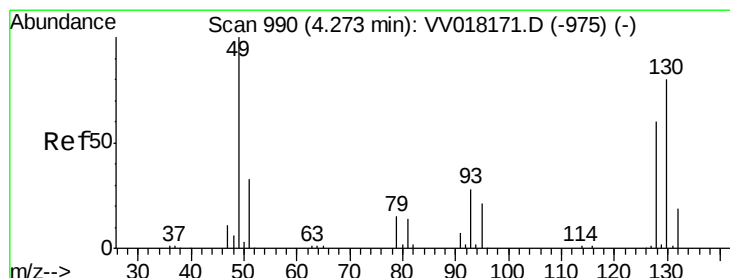
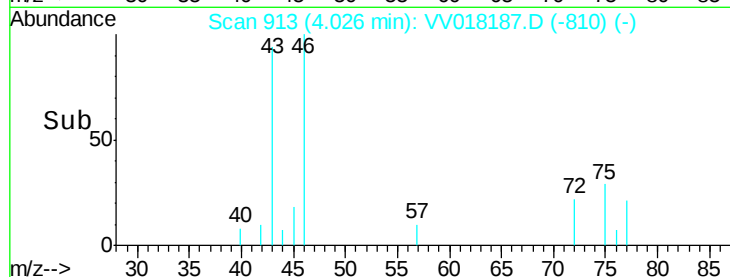
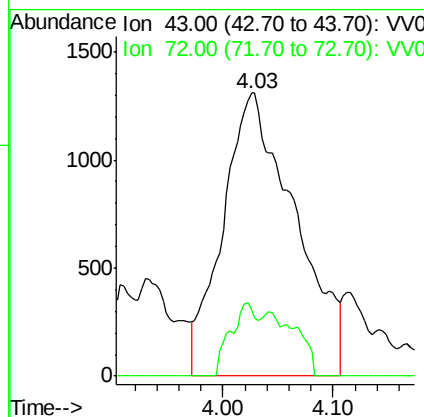
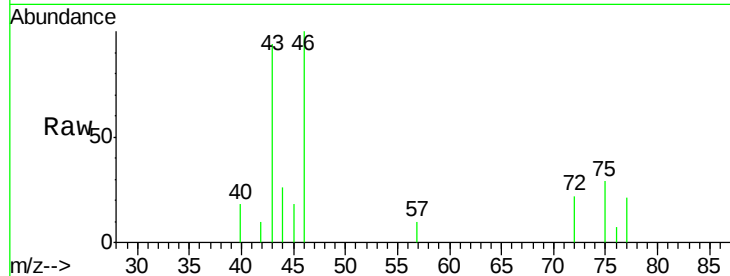
72 2.9 13.1 39.3#

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#23

Bromochloromethane

Concen: 2.106 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion: 128 Resp: 2339

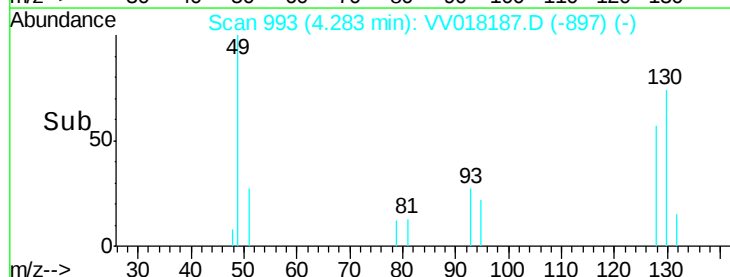
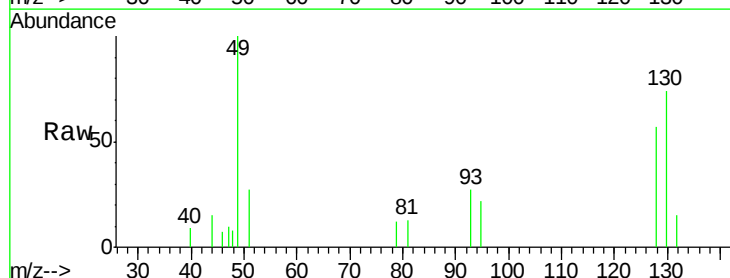
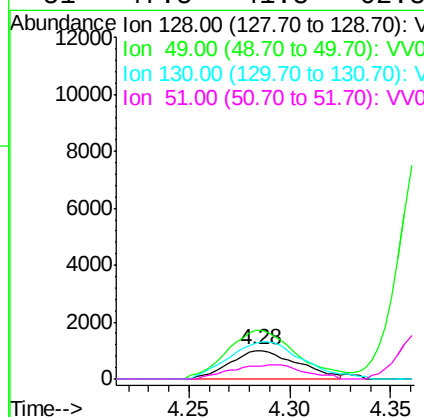
Ion Ratio Lower Upper

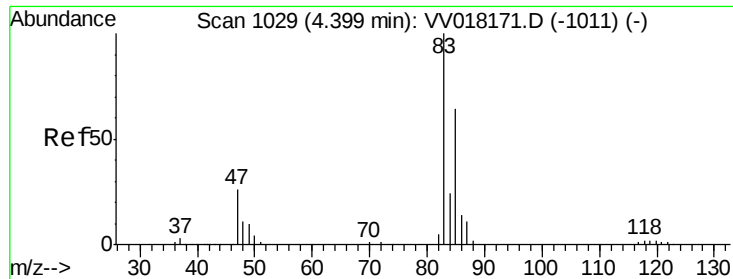
128 100

49 174.9 114.4 212.6

130 128.9 87.9 163.3

51 47.5 41.8 62.8





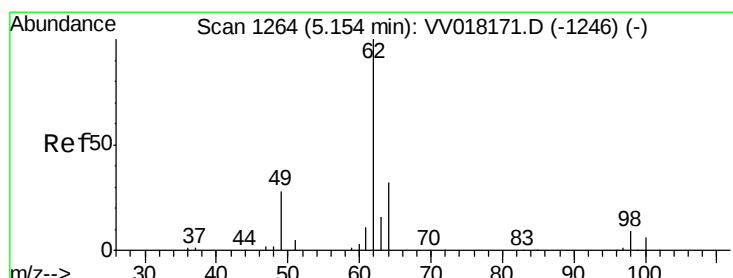
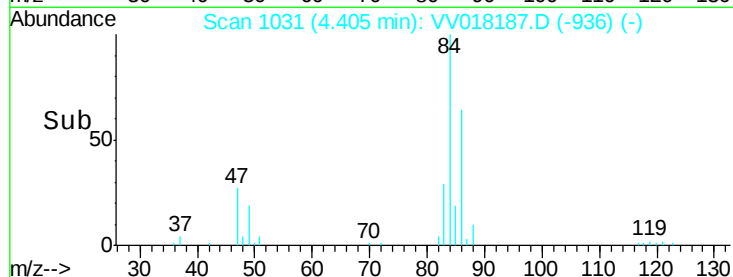
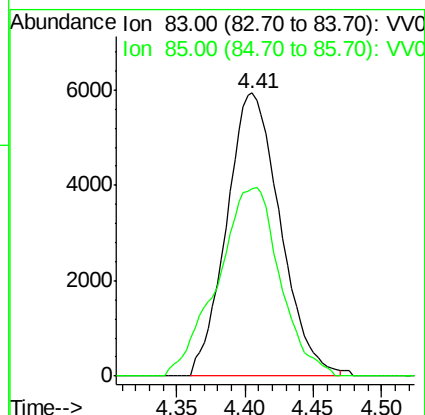
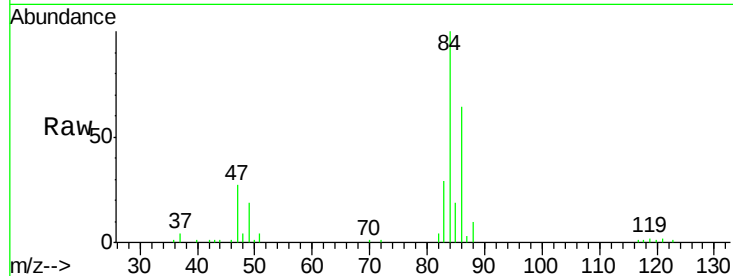
#25
Chloroform
Concen: 4.244 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 83 Resp: 16195
Ion Ratio Lower Upper
83 100
85 66.2 45.0 83.6

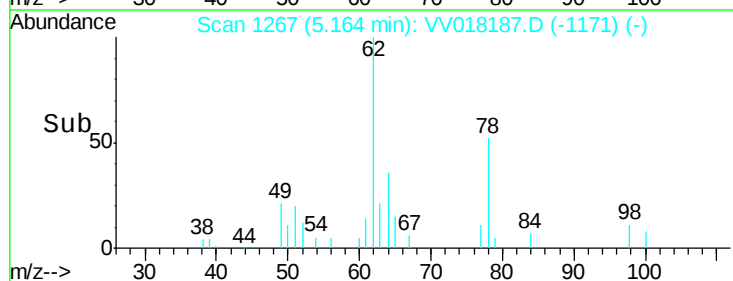
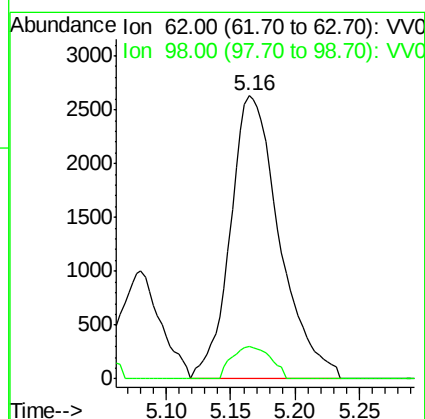
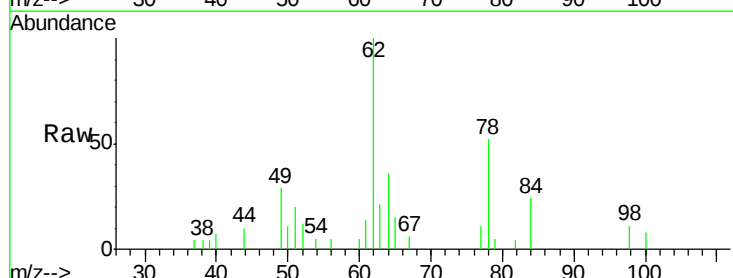
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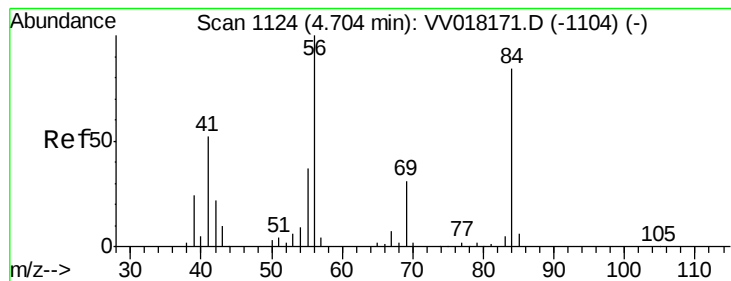
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.363 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion: 62 Resp: 6979
Ion Ratio Lower Upper
62 100
98 11.5 7.6 11.4#





#29

Cyclohexane

Concen: 2.066 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

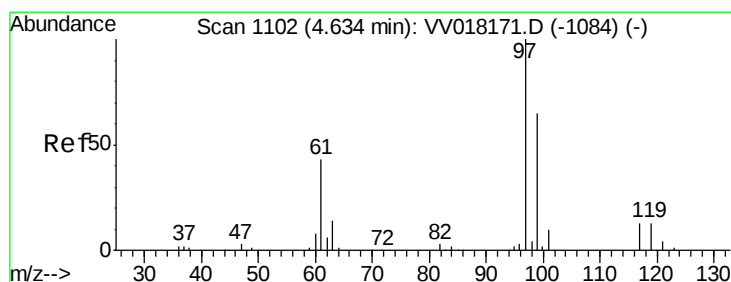
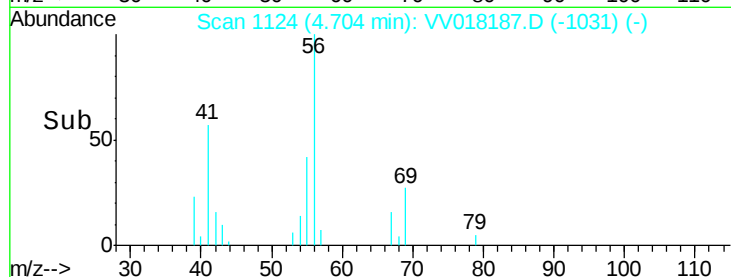
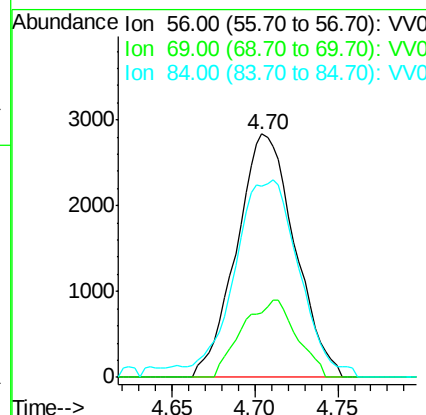
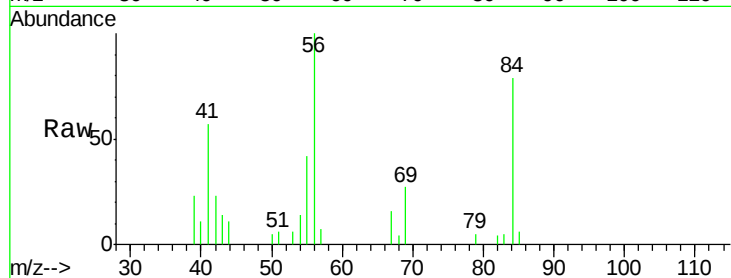
ClientSampled :

MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.2	36.2
84	37.2	68.3	102.5#

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#30

1,1,1-Trichloroethane

Concen: 2.145 ug/L

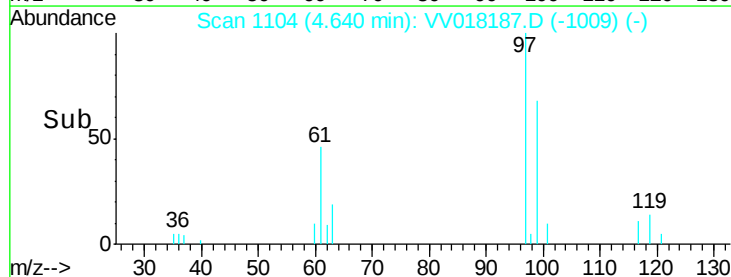
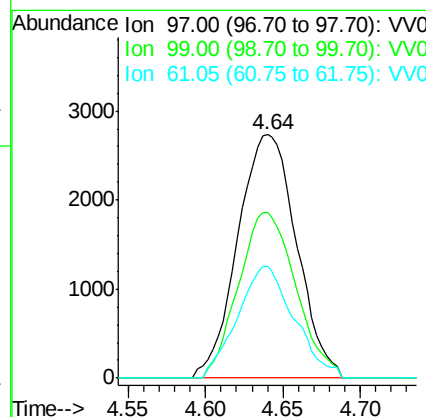
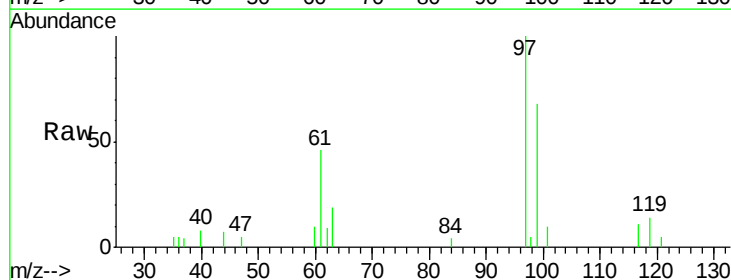
RT: 4.64 min Scan# 1104

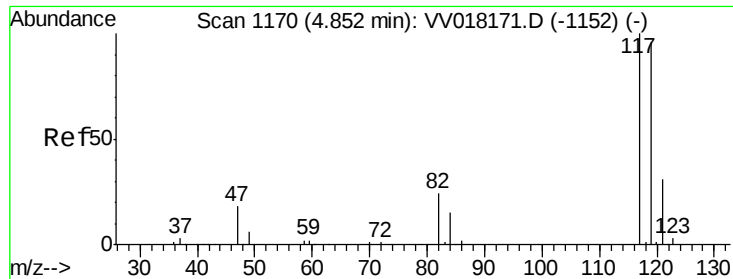
Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.6	77.4
61	44.4	34.9	52.3





#31

Carbon tetrachloride

Concen: 2.117 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:117 Resp: 6262

Ion Ratio Lower Upper

117 100

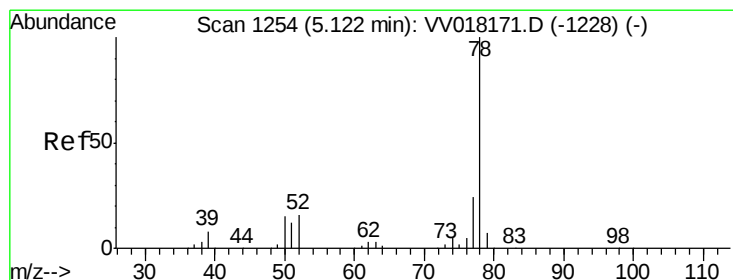
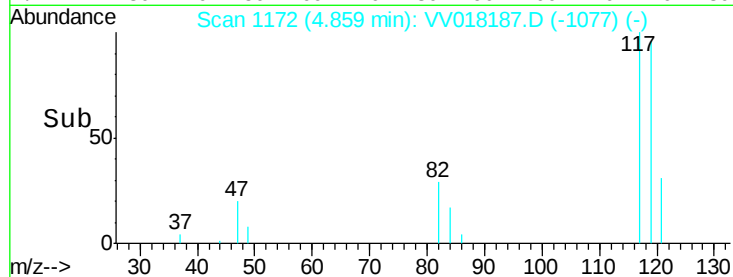
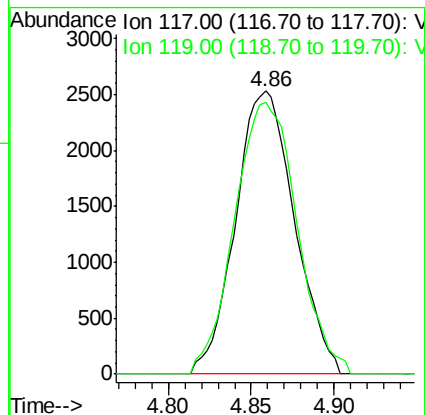
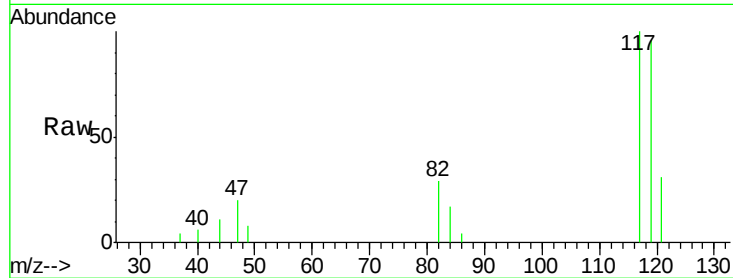
119 101.9 75.7 113.5

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#33

Benzene

Concen: 2.235 ug/L

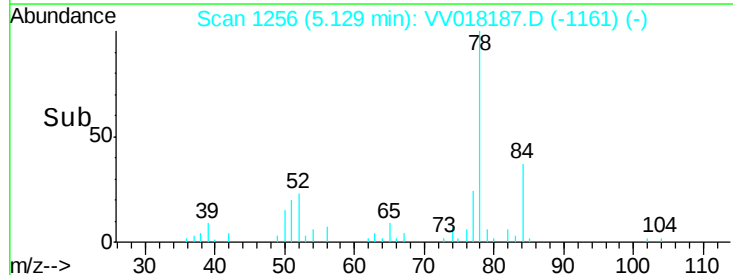
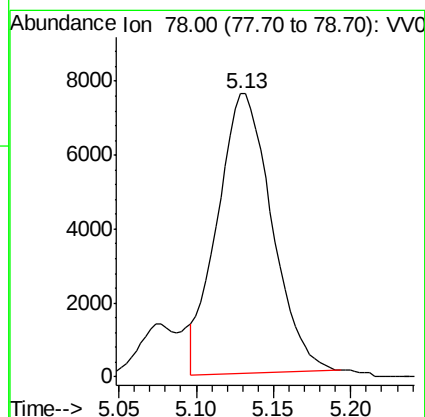
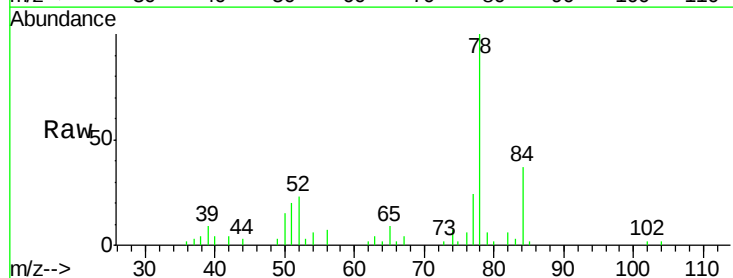
RT: 5.13 min Scan# 1256

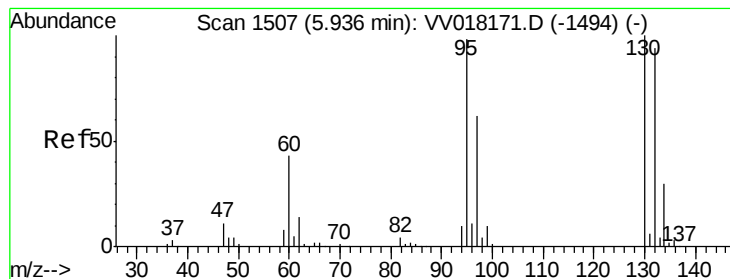
Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion: 78 Resp: 18526





#34

Trichloroethene

Concen: 2.381 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

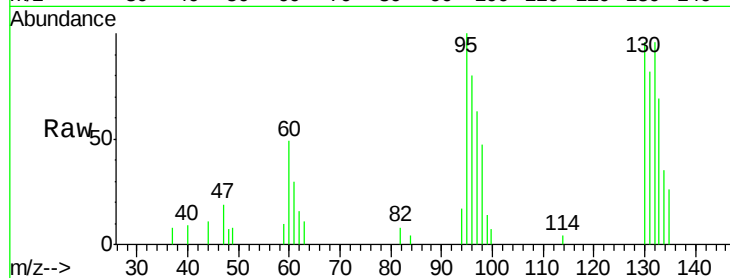
ClientSampleId :

MDL05

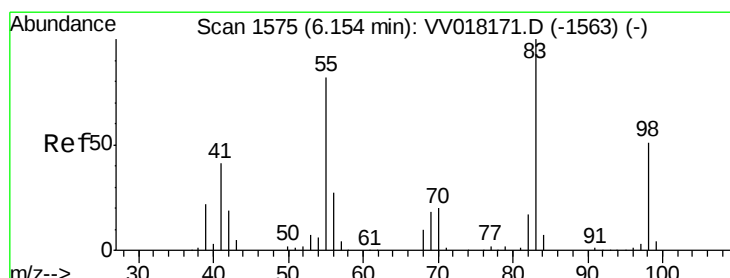
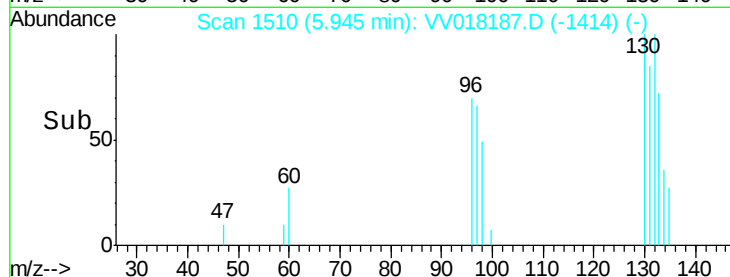
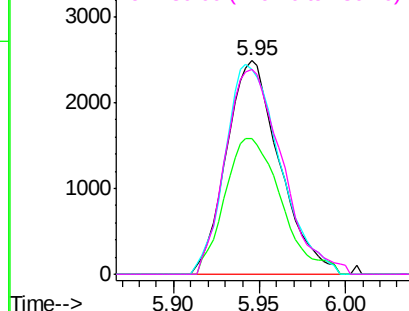
Tot Ion	95	Resp:	5375
Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.3	85.9
132	95.9	68.1	126.5
130	95.6	71.5	132.9

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Abundance Ion 95.00 (94.70 to 95.70): VV018187.D (-1494) (-)



#35

Methylcyclohexane

Concen: 2.152 ug/L

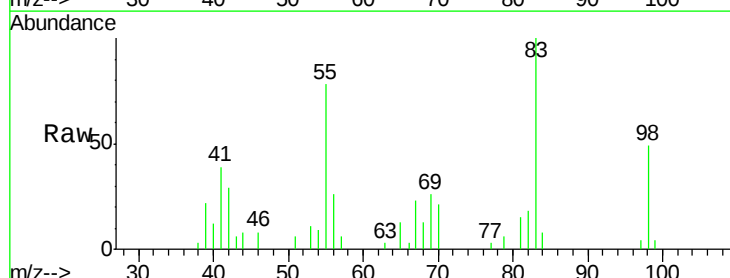
RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

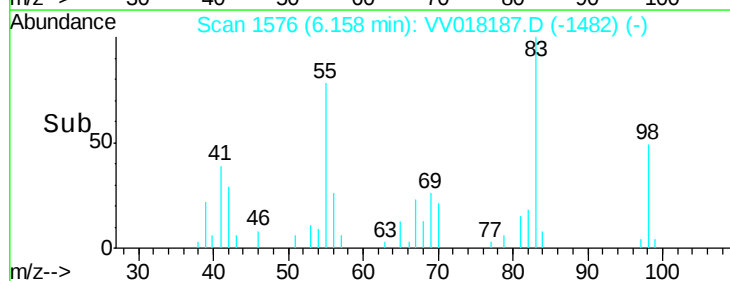
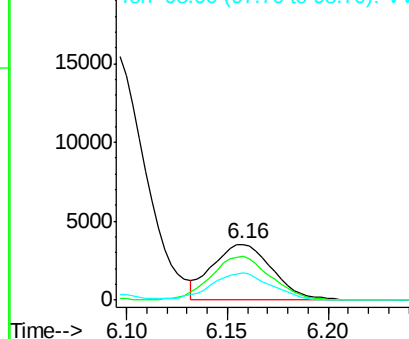
Lab File: VV018187.D

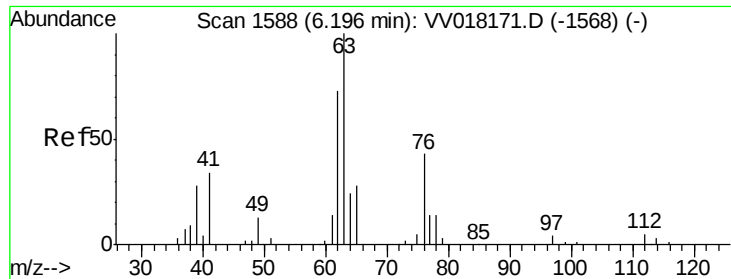
Acq: 10 Sep 2020 18:11

Tgt Ion	83	Resp:	7316
Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.4	95.2
98	48.4	38.8	58.2



Abundance Ion 83.00 (82.70 to 83.70): VV018187.D (-1482) (-)





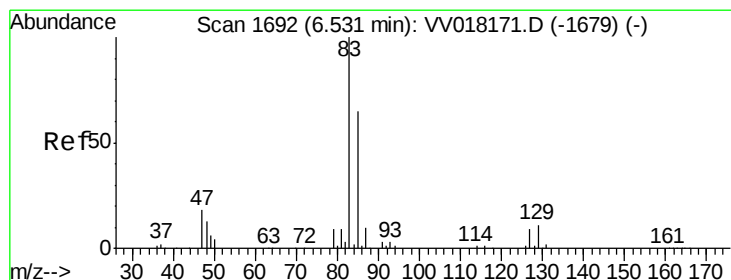
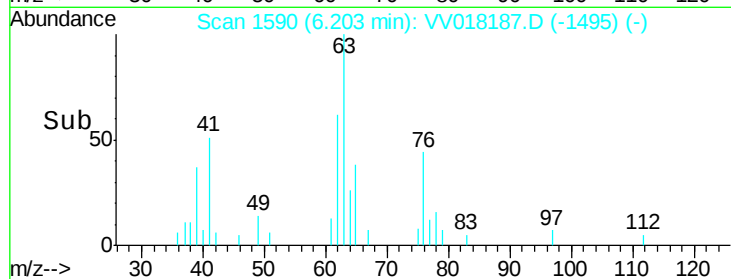
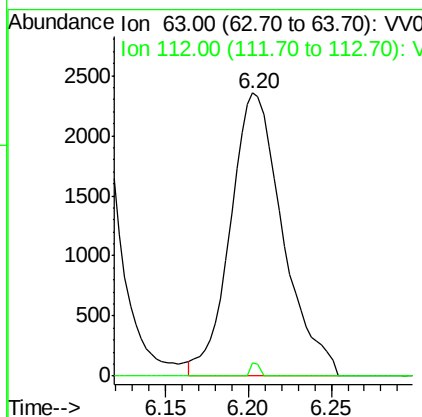
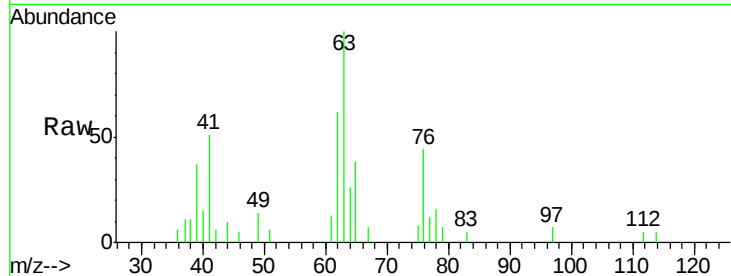
#37
 1,2-Dichloropropane
 Concen: 2.354 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 5170
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.4 5.2#

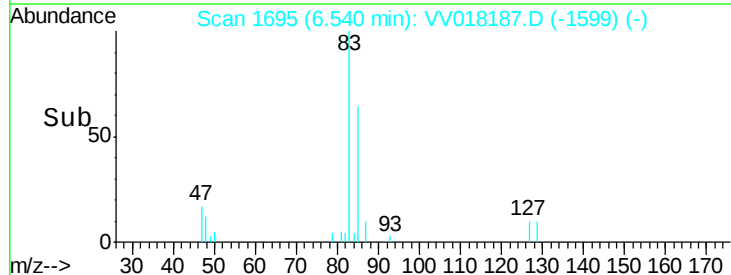
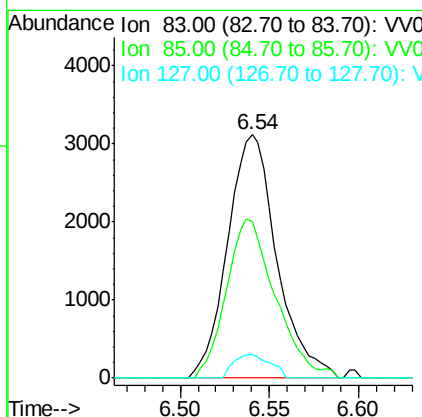
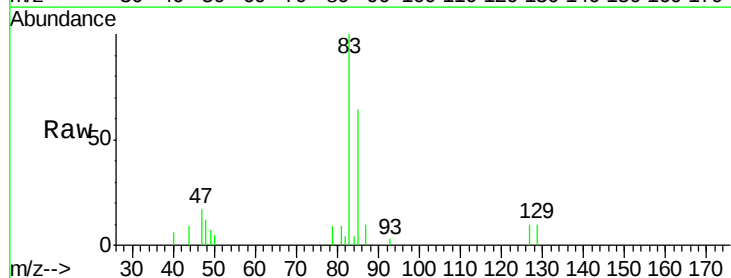
Manual Integrations
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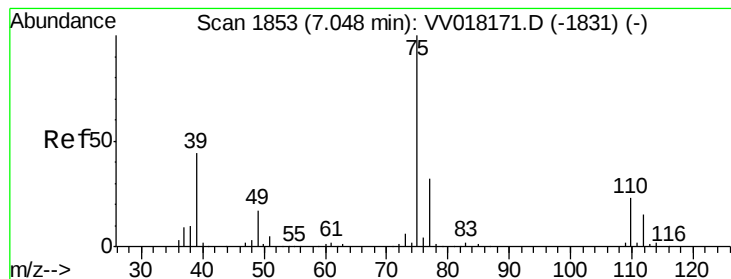
MMDadoda
 9/11/2020 10:29:06 AM



#38
 Bromodichloromethane
 Concen: 2.100 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion: 83 Resp: 6001
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 82.9
 127 9.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 1.802 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 75 Resp: 6096

Ion Ratio Lower Upper

75 100

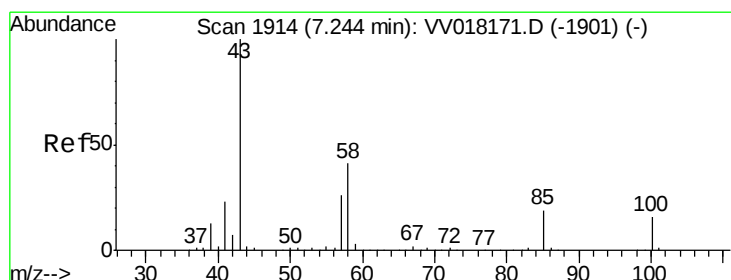
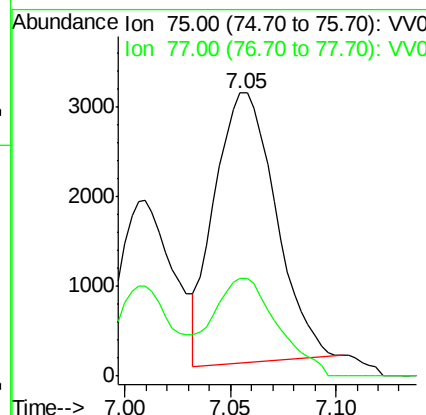
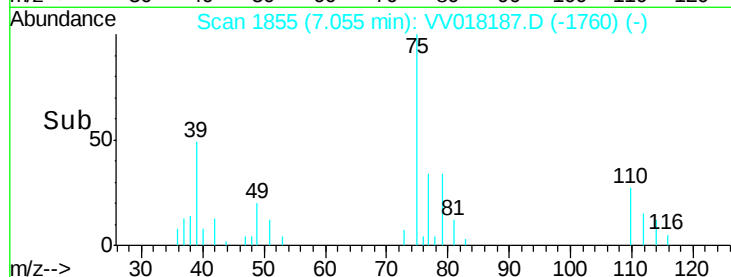
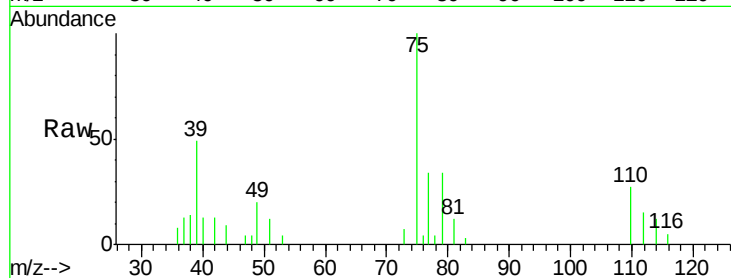
77 34.5 22.3 41.3

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MMDadoda

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#40

4-Methyl-2-pentanone

Concen: 3.978 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

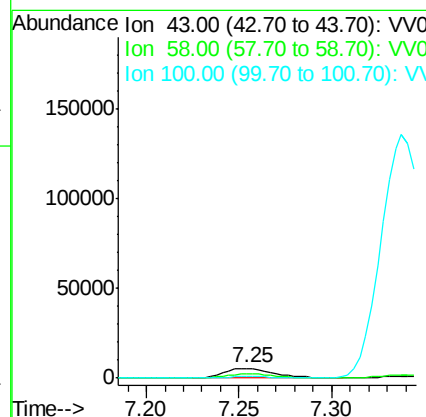
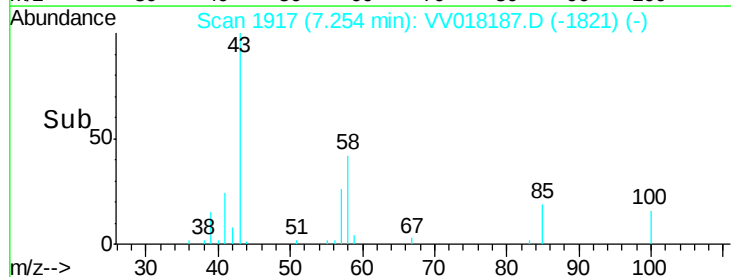
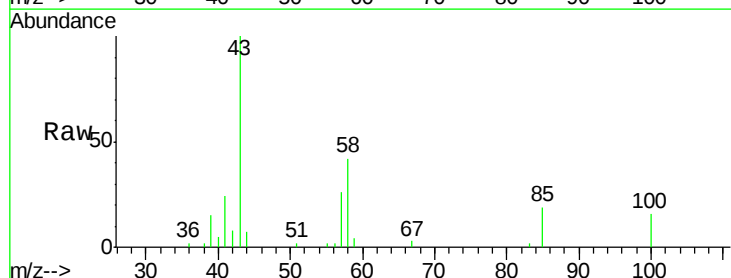
Tgt Ion: 43 Resp: 10599

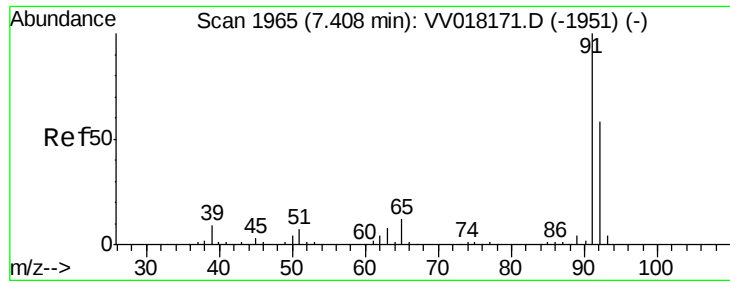
Ion Ratio Lower Upper

43 100

58 41.5 32.4 48.6

100 13.9 12.7 19.1





#42

Toluene

Concen: 2.203 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 19319

Ion Ratio Lower Upper

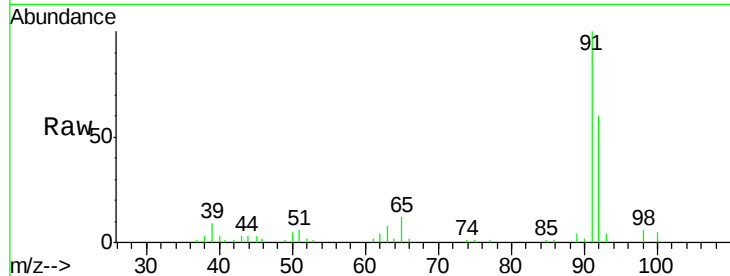
91 100

92 59.8 40.7 75.5

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MMDadoda

9/11/2020 10:29:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

12000

10000

8000

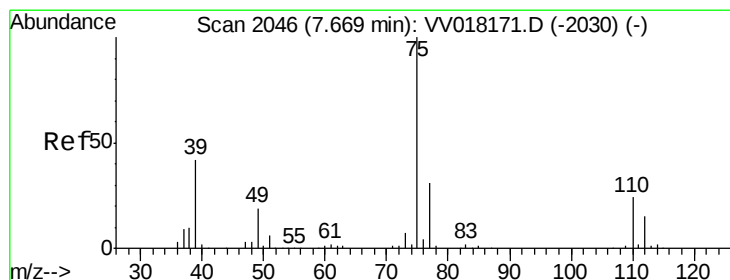
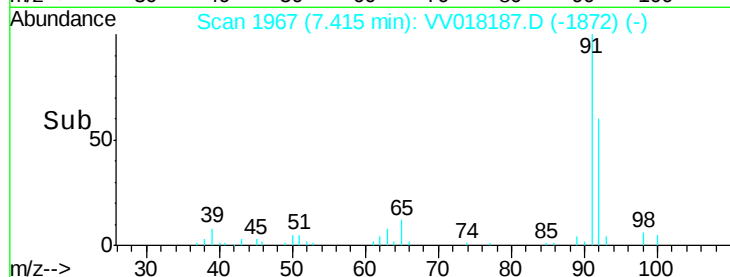
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.229 ug/L m

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018187.D

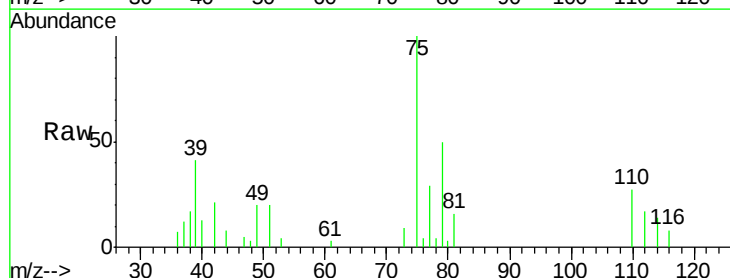
Acq: 10 Sep 2020 18:11

Tgt Ion: 75 Resp: 7343

Ion Ratio Lower Upper

75 100

77 29.2 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

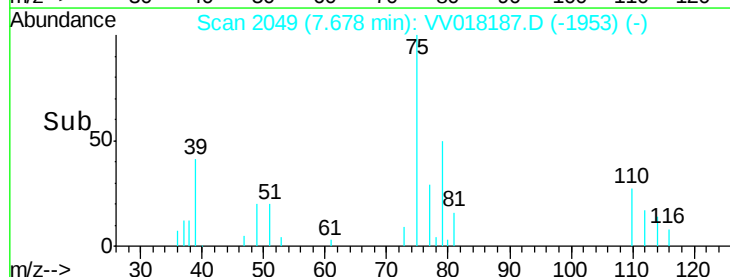
3000

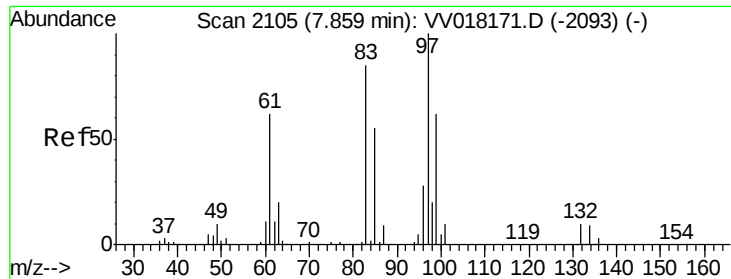
2000

1000

0

Time-->





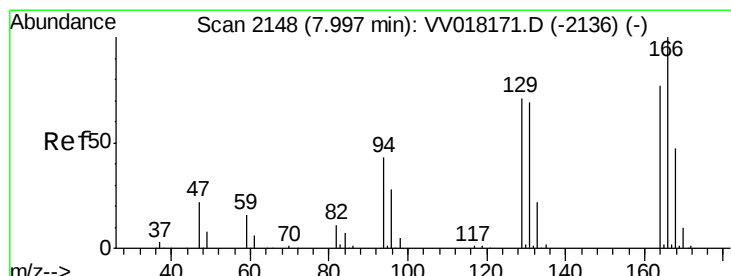
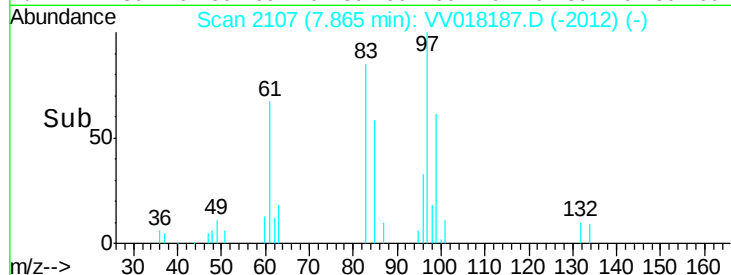
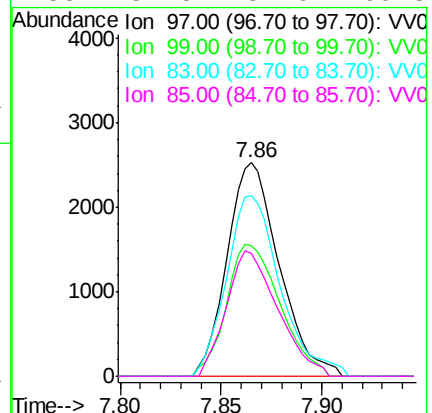
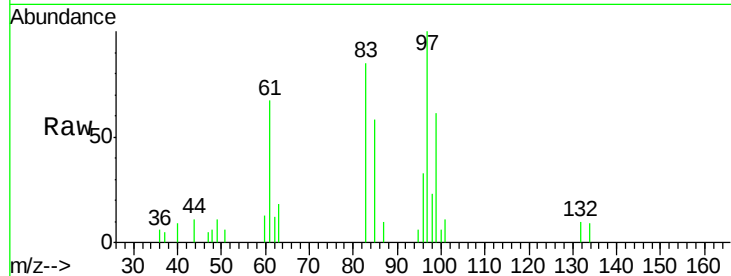
#45
1,1,2-Trichloroethane
Concen: 2.240 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	97	Resp:	4559
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.7	81.1
83	84.6	59.9	111.3
85	57.8	37.6	69.8

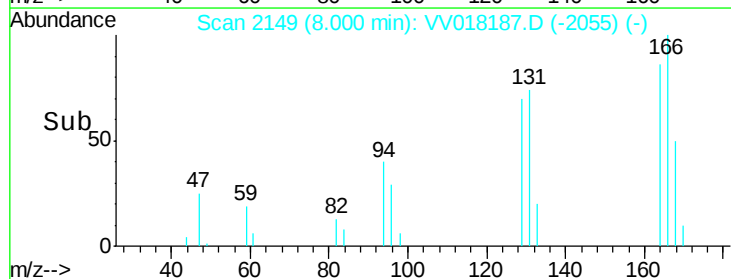
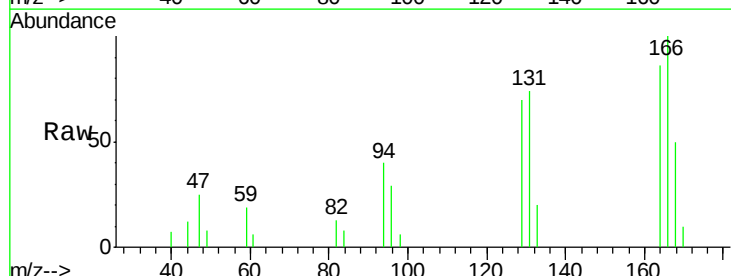
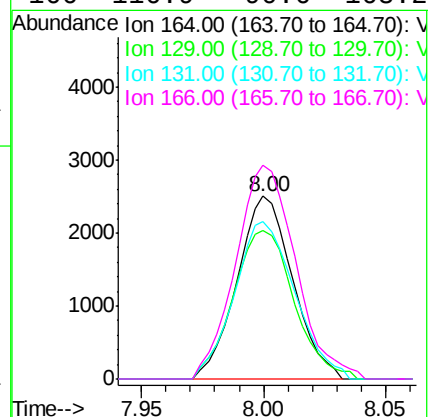
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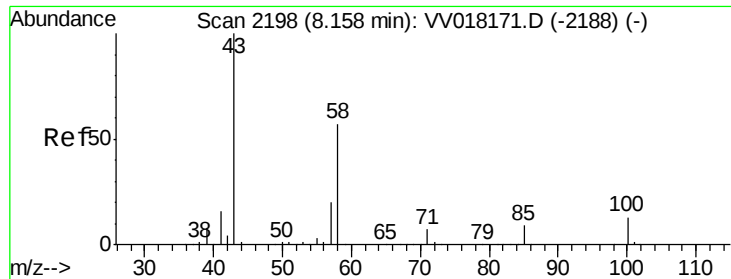
MMDadoda
9/11/2020 10:29:06 AM



#46
Tetrachloroethene
Concen: 2.232 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion:	164	Resp:	3951
Ion	Ratio	Lower	Upper
164	100		
129	81.6	64.5	119.7
131	86.2	61.8	114.8
166	116.9	90.6	168.2





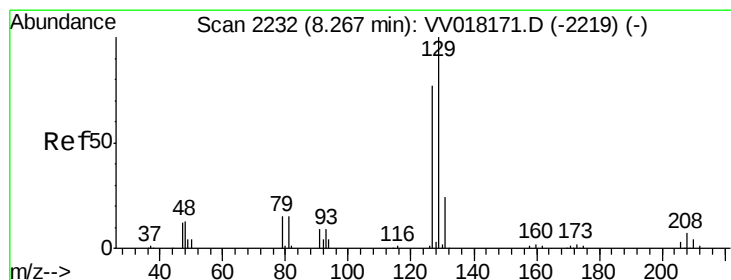
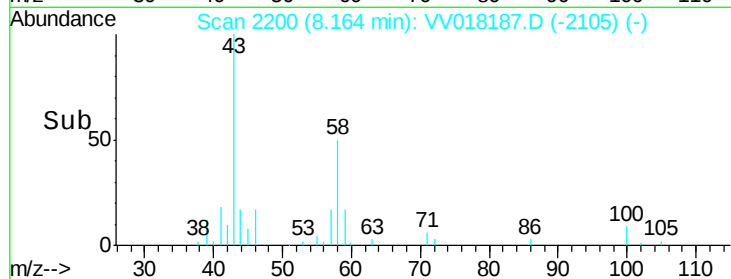
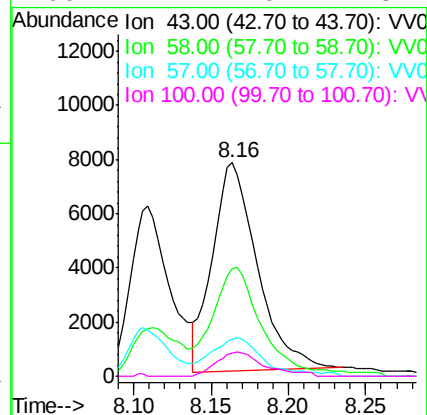
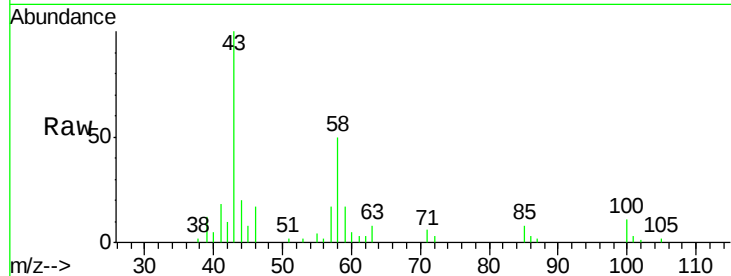
#48
2-Hexanone
Concen: 7.432 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	53.7	44.8	67.2	
57	20.9	15.8	23.6	
100	12.2	10.2	15.4	

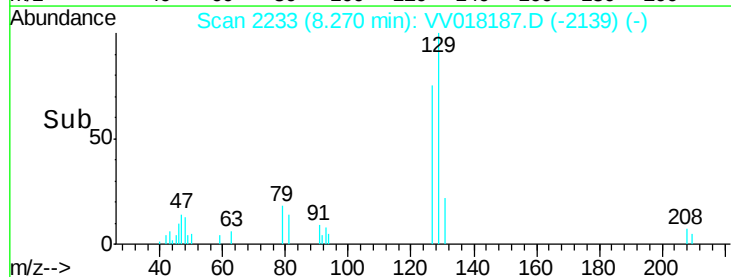
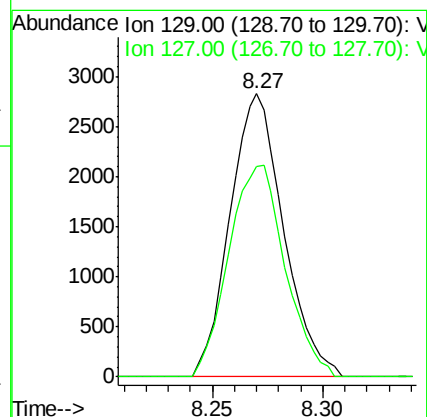
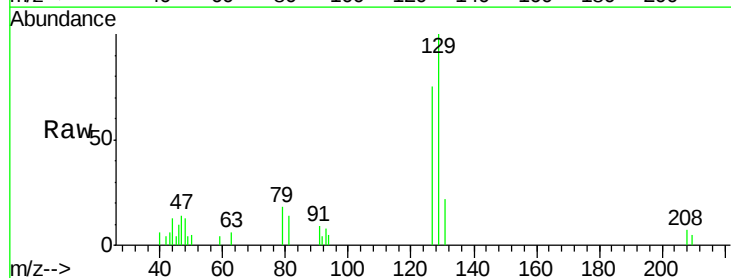
Manual Integrations
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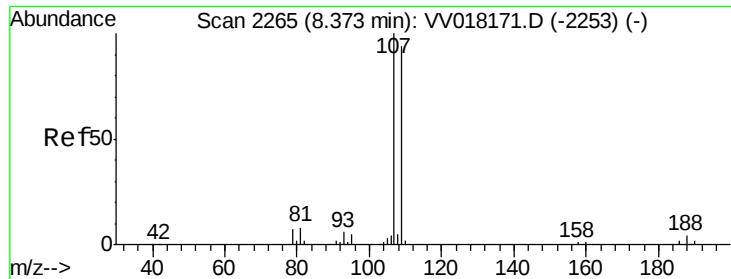
MMDadoda
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#49
Dibromochloromethane
Concen: 2.081 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	74.5	54.5	101.1	





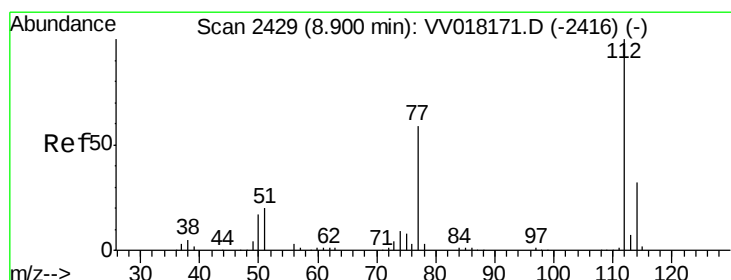
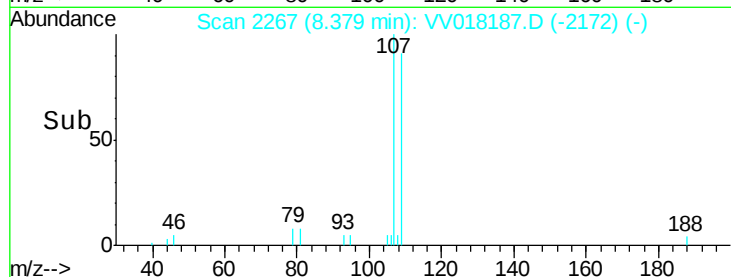
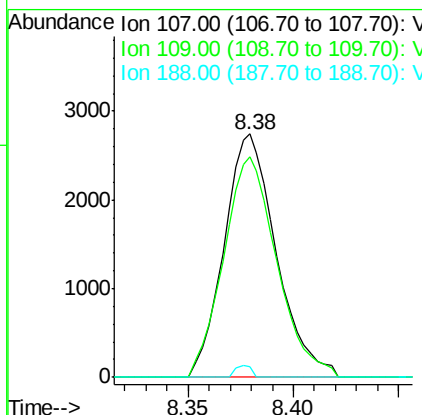
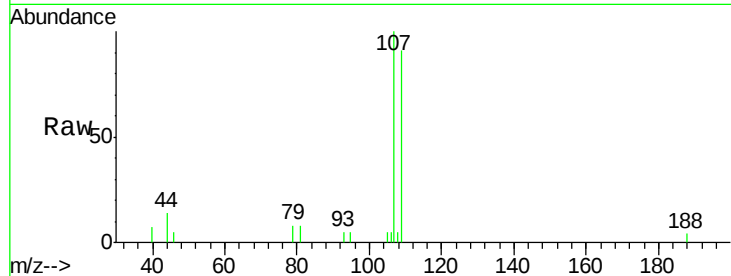
#50
1,2-Dibromoethane
Concen: 2.190 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
107	100	4692		
109	90.7	66.1	122.8	
188	4.4	3.2	4.8	

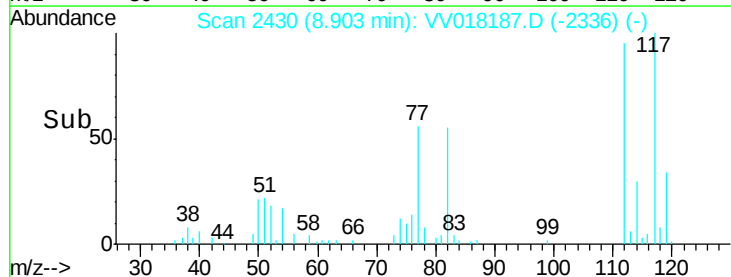
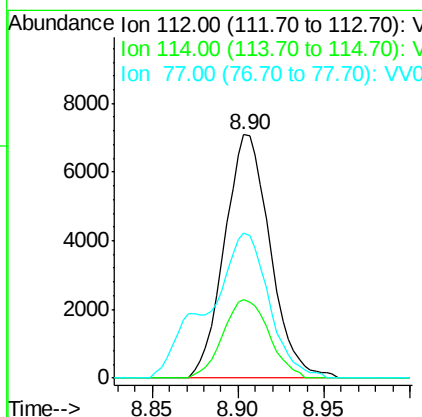
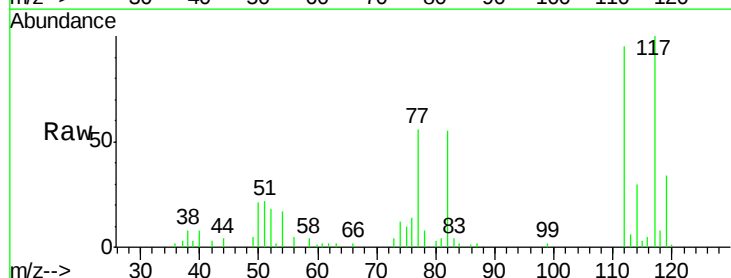
Manual Integrations
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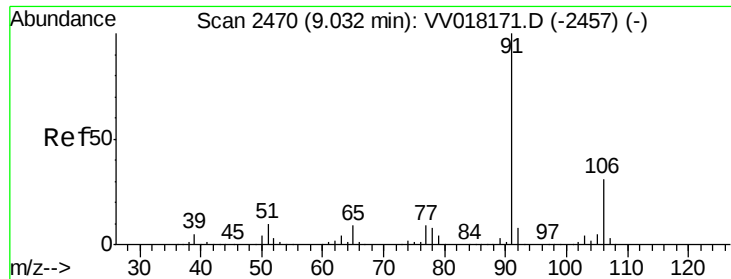
MMDadoda
9/11/2020 10:29:06 AM



#51
Chlorobenzene
Concen: 2.297 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	13084		
114	32.0	22.6	42.0	
77	59.6	48.0	72.0	





#52

Ethylbenzene

Concen: 2.112 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 20225

Ion Ratio Lower Upper

91 100

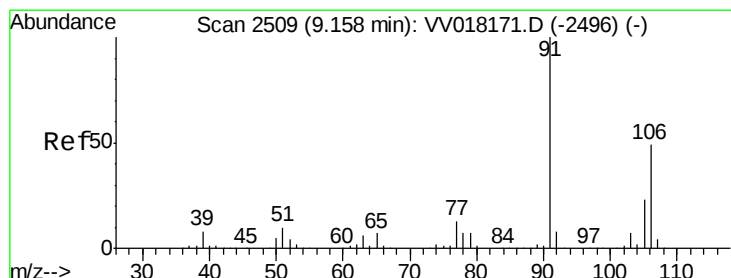
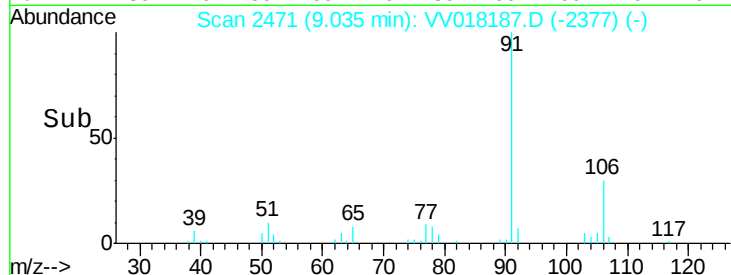
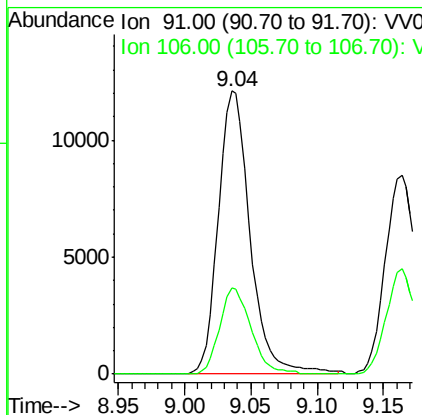
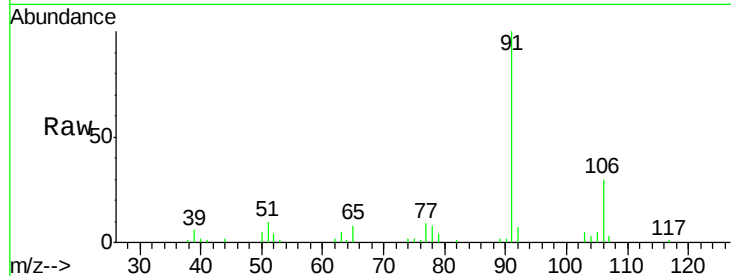
106 30.4 21.3 39.5

Manual Integrations

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MMDadoda

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#53

m,p-Xylene

Concen: 2.098 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018187.D

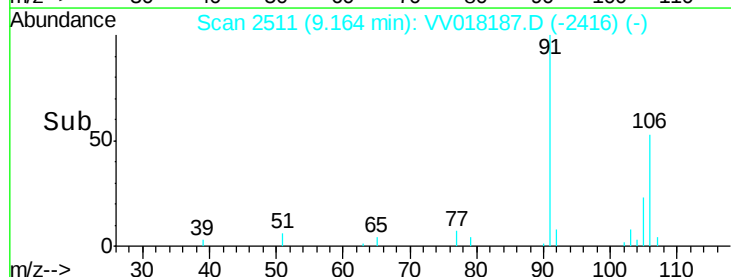
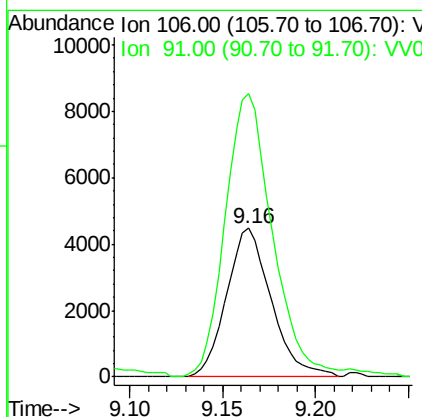
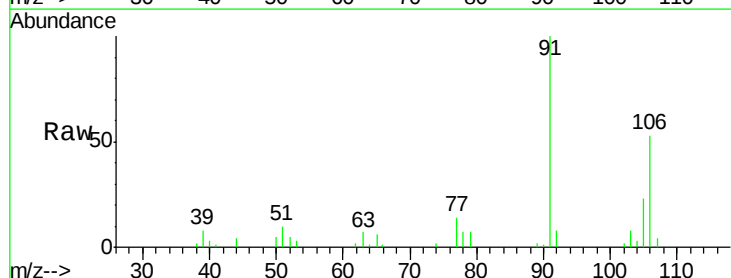
Acq: 10 Sep 2020 18:11

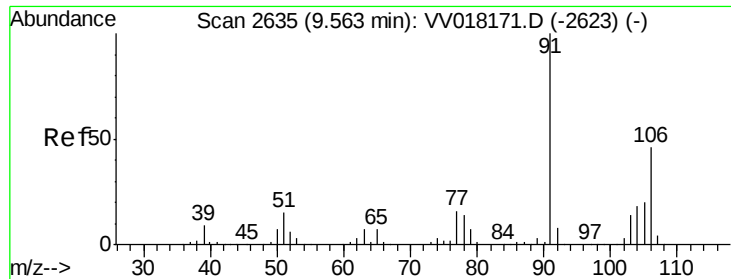
Tgt Ion: 106 Resp: 7499

Ion Ratio Lower Upper

106 100

91 190.3 146.7 272.5





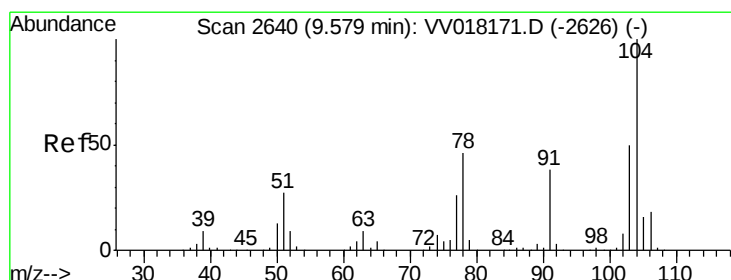
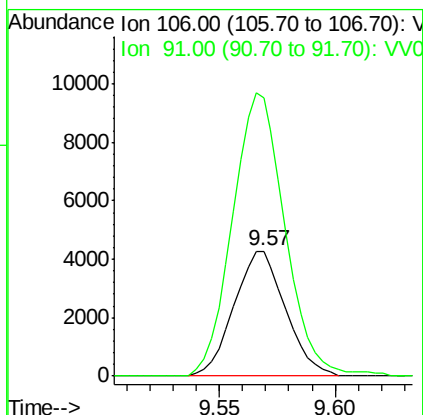
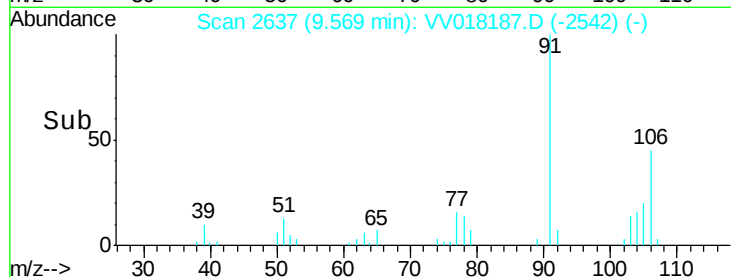
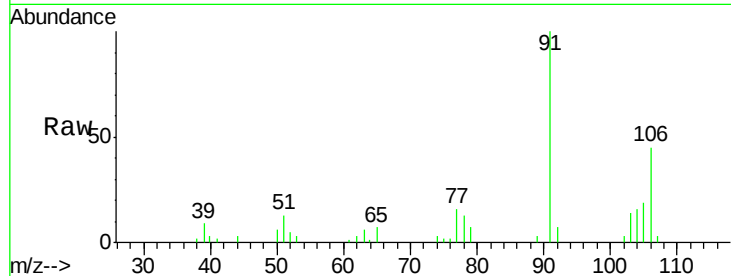
#54
o-xylene
Concen: 1.916 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:106 Resp: 6599
Ion Ratio Lower Upper
106 100
91 222.4 152.2 282.6

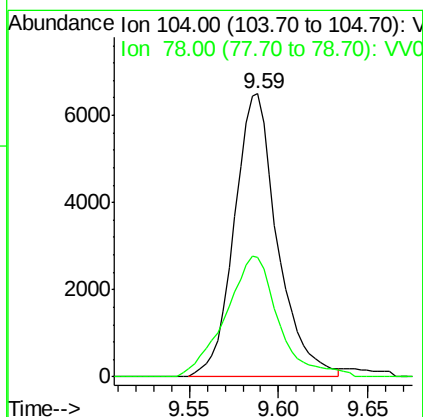
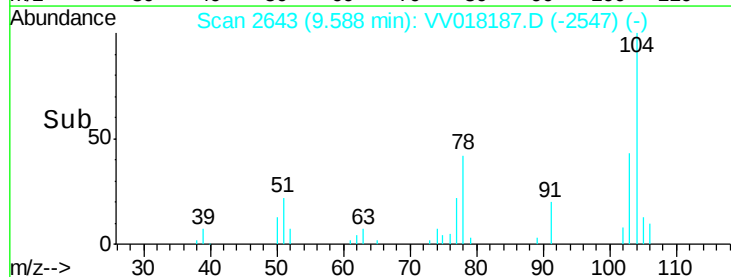
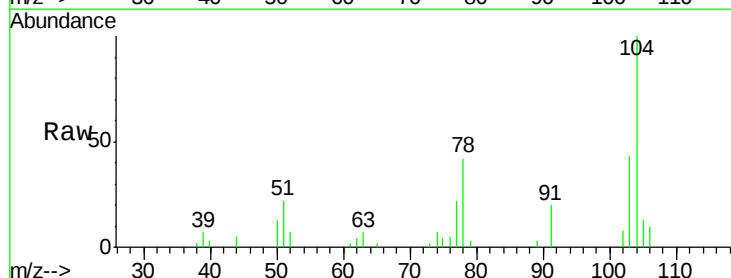
Manual Integrations
APPROVED

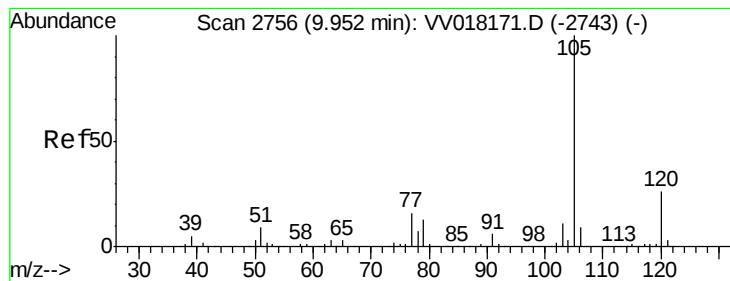
MMDadoda
9/11/2020 10:29:06 AM



#55
Styrene
Concen: 1.834 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion:104 Resp: 10974
Ion Ratio Lower Upper
104 100
78 42.3 31.4 58.2





#56

Isopropylbenzene

Concen: 1.858 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

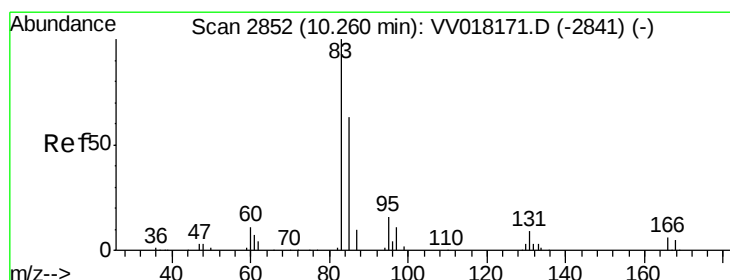
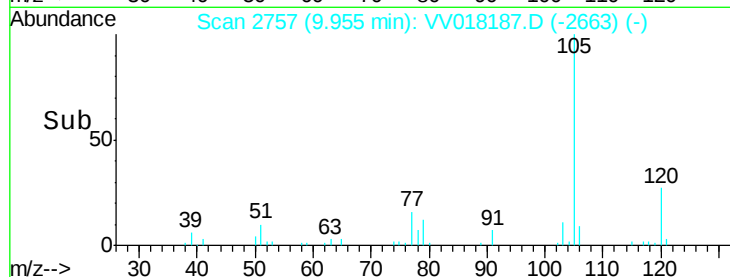
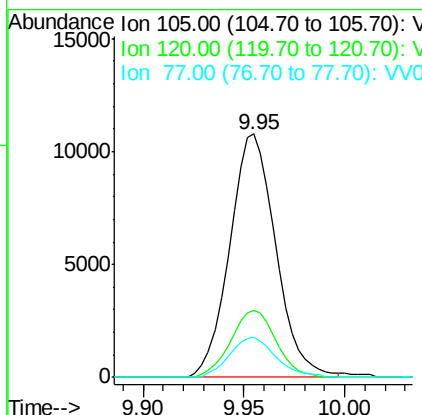
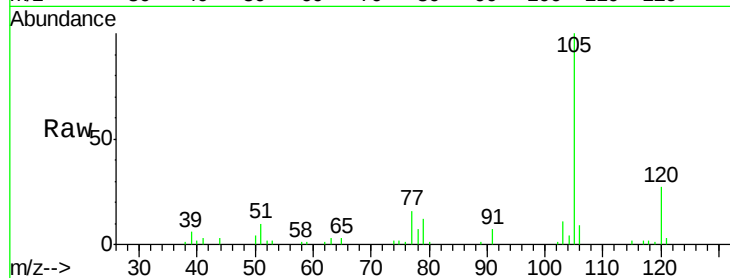
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	17239
Ion Ratio	Lower	Upper	
105	100		
120	26.9	20.9	31.3
77	16.4	12.5	18.7

Manual Integrations
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MMDadoda
9/11/2020 10:29:06 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.457 ug/L

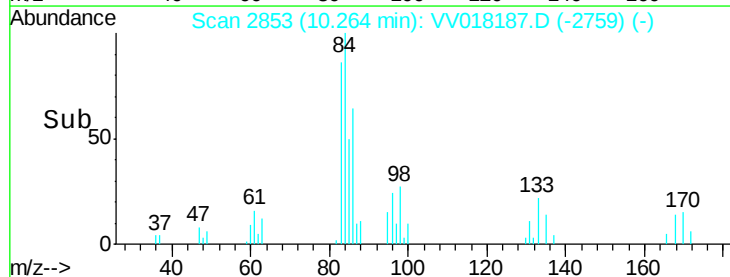
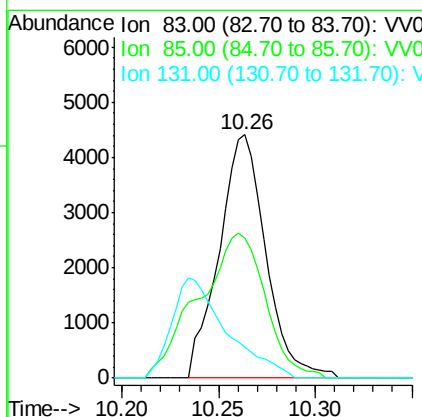
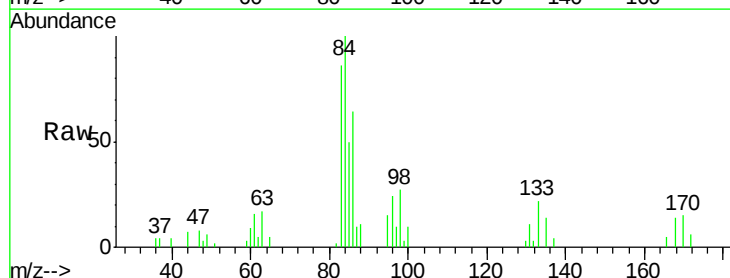
RT: 10.26 min Scan# 2853

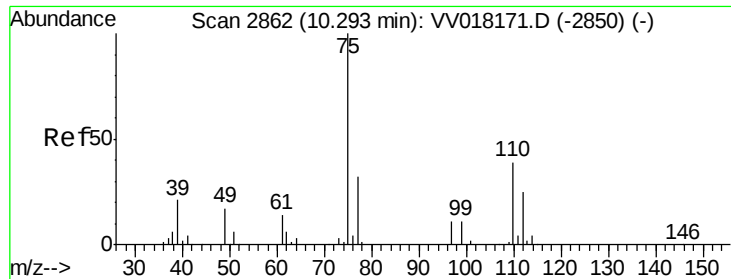
Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion:	83	Resp:	7397
Ion Ratio	Lower	Upper	
83	100		
85	57.7	45.8	85.2
131	12.8	8.0	12.0#





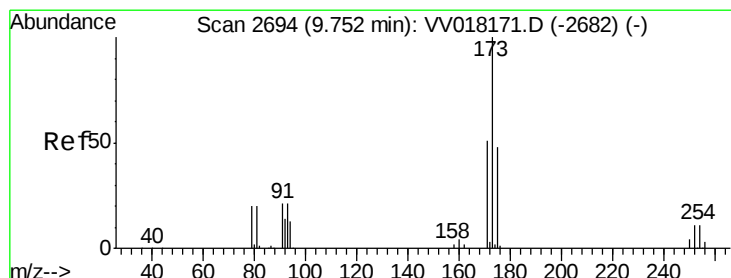
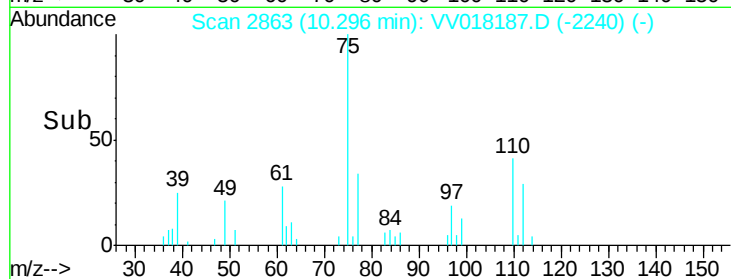
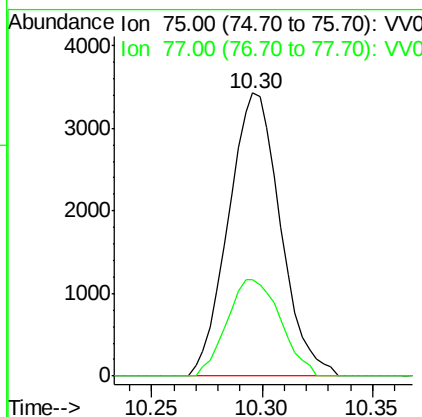
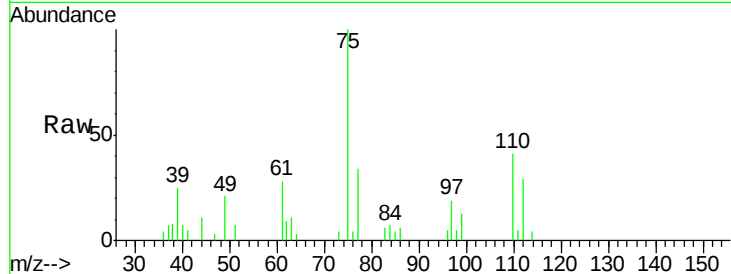
#59
 1,2,3-Trichloropropane
 Concen: 2.175 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 5618
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.8 38.6

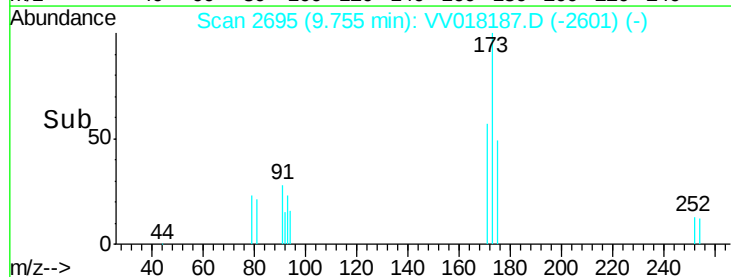
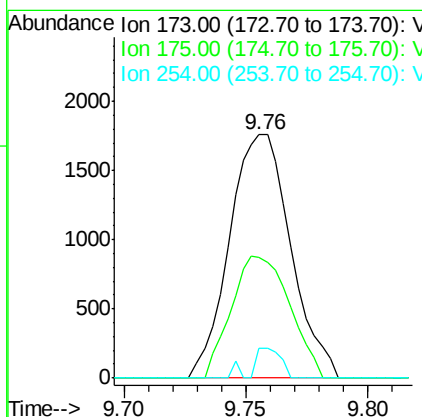
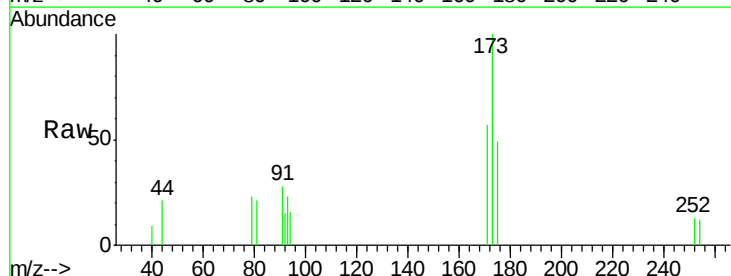
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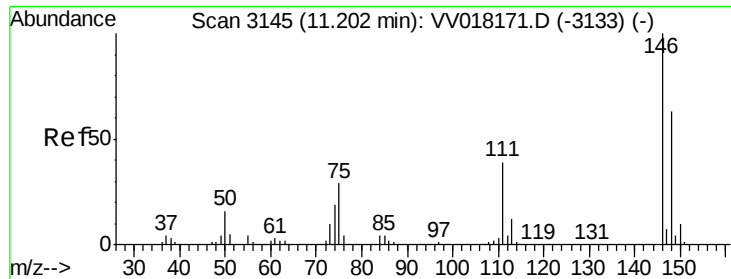
MMDadoda
 9/11/2020 10:29:06 AM



#61
 Bromoform
 Concen: 1.929 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion: 173 Resp: 3063
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.6
 254 4.7 9.0 13.4#





#62

1,3-Dichlorobenzene

Concen: 2.230 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

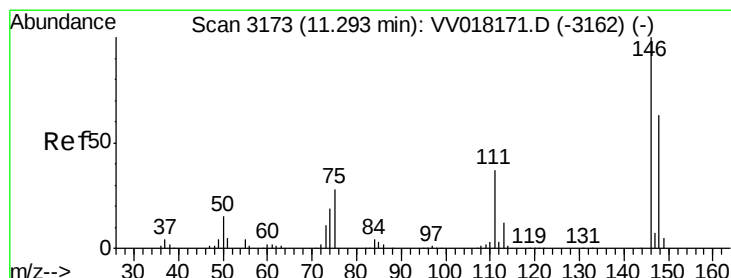
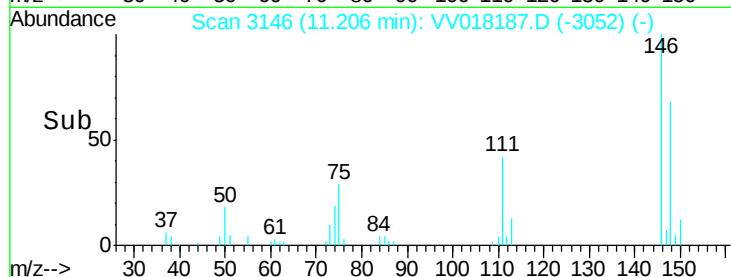
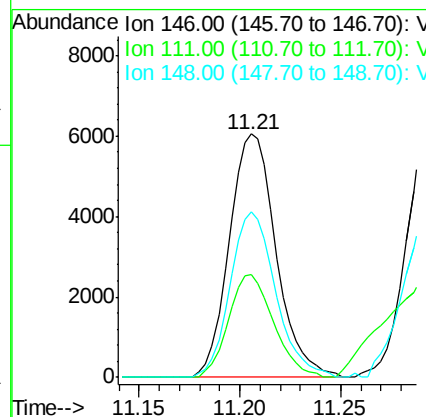
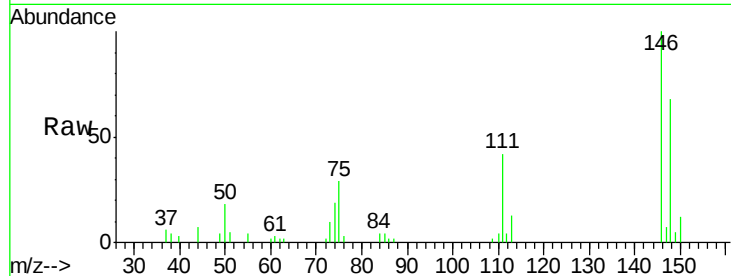
ClientSampled :

MDL05

Tot Ion:	146	Resp:	9804
Ion Ratio	Lower	Upper	
146	100		
111	42.2	27.6	51.2
148	67.7	45.4	84.2

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#63

1,4-Dichlorobenzene

Concen: 2.406 ug/L

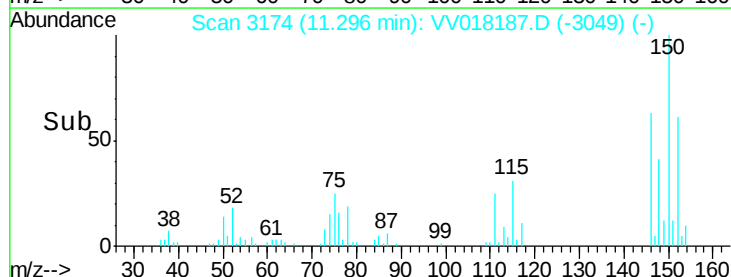
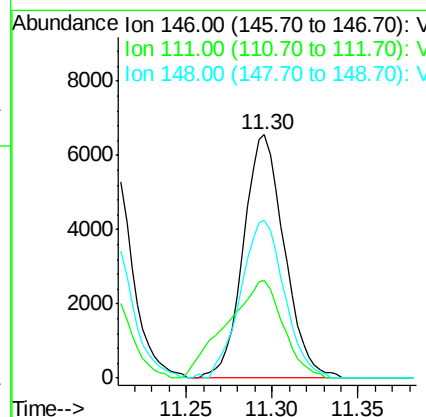
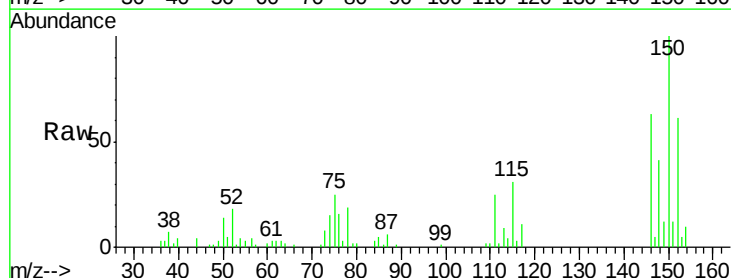
RT: 11.30 min Scan# 3174

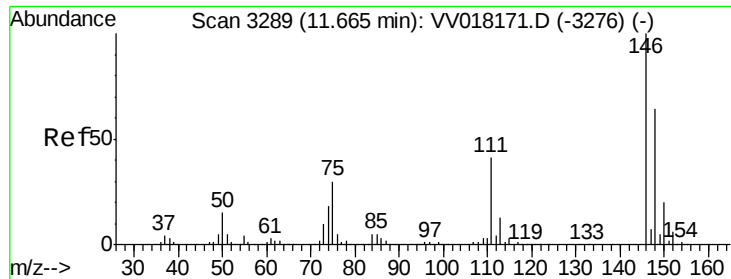
Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Tgt Ion:	146	Resp:	10872
Ion Ratio	Lower	Upper	
146	100		
111	40.2	27.1	50.3
148	65.1	45.4	84.2





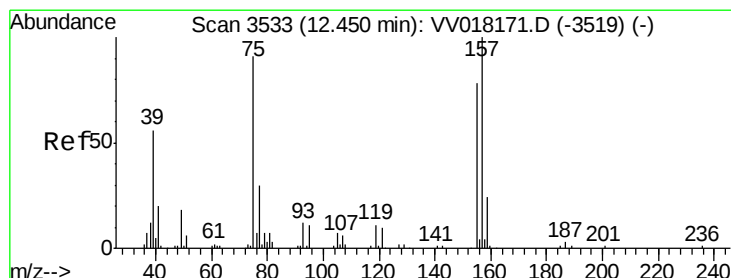
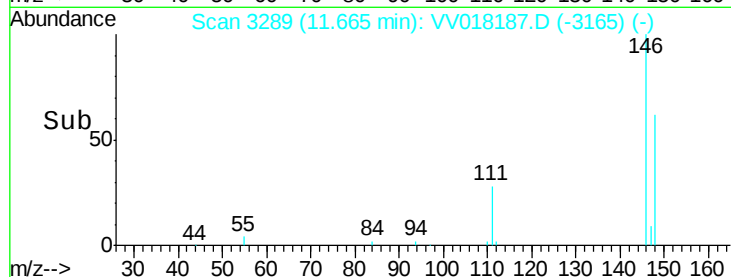
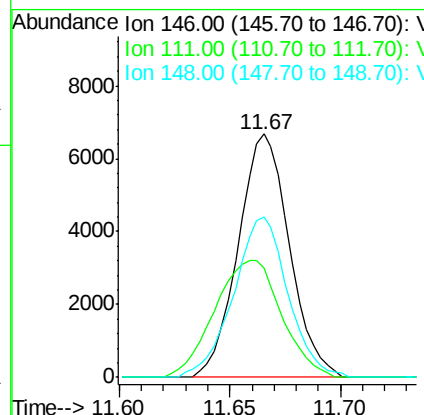
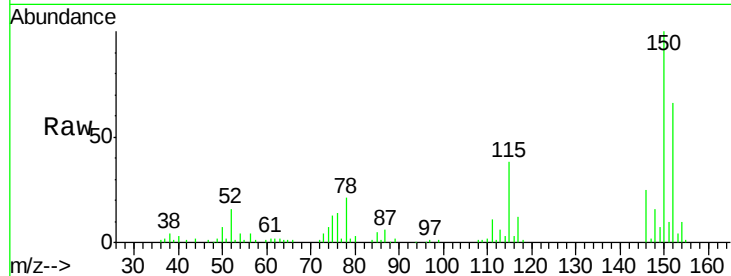
#65
 1,2-Dichlorobenzene
 Concen: 2.417 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	32.8	49.2
148	66.1	50.7	76.1

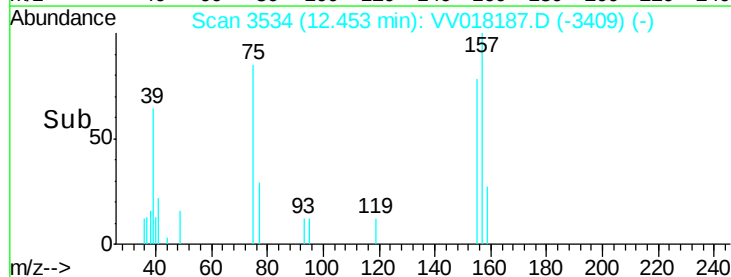
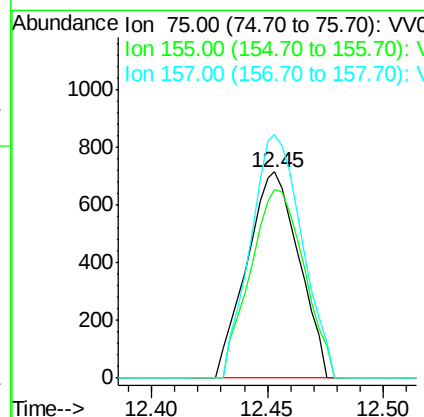
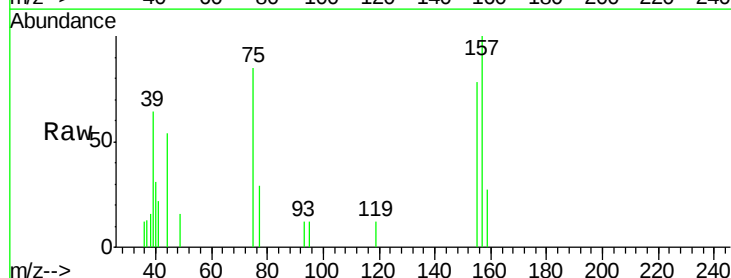
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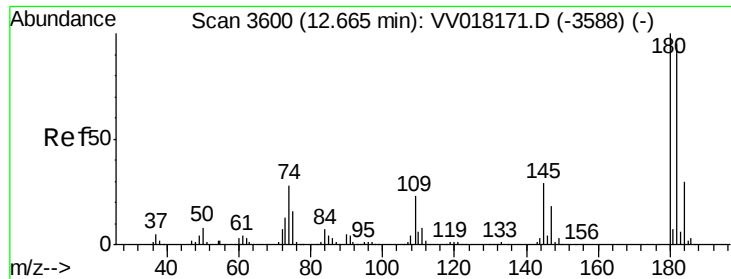
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.781 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV018187.D
 Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	69.7	104.5
157	118.0	88.2	132.4





#67

1,3,5-Trichlorobenzene

Concen: 2.145 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

Instrument :

MSVOA_V

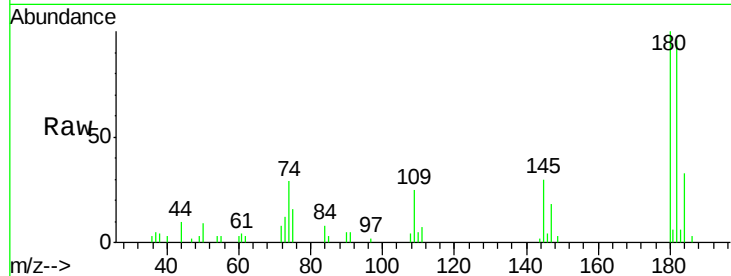
ClientSampleId :

MDL05

Tot Ion:	180	Resp:	7434
Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.8	115.2
184	32.4	24.6	36.8
145	30.5	22.7	34.1

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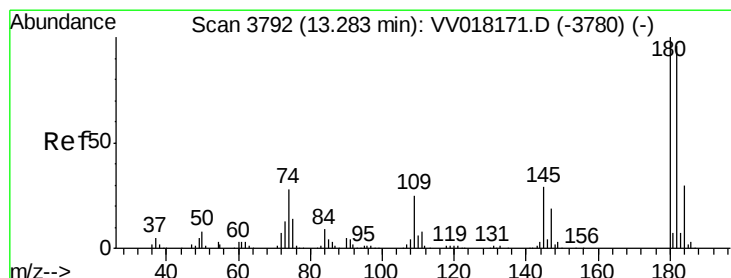
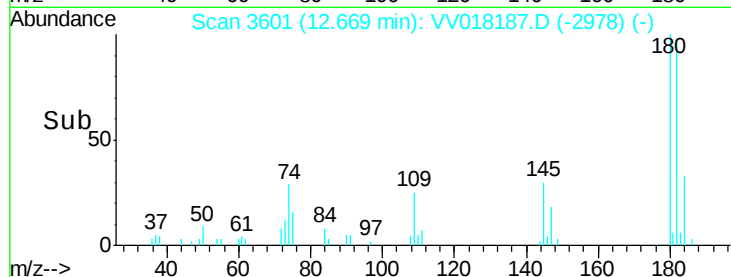
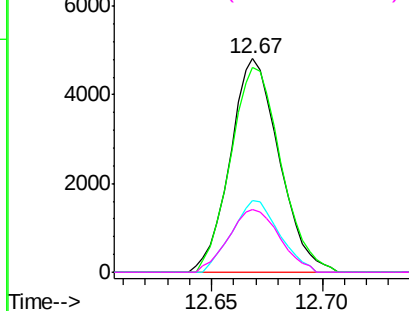


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 2.034 ug/L

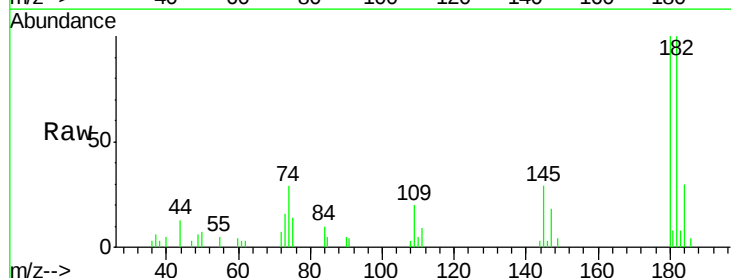
RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018187.D

Acq: 10 Sep 2020 18:11

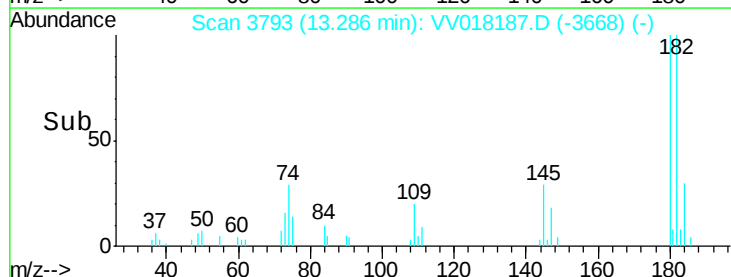
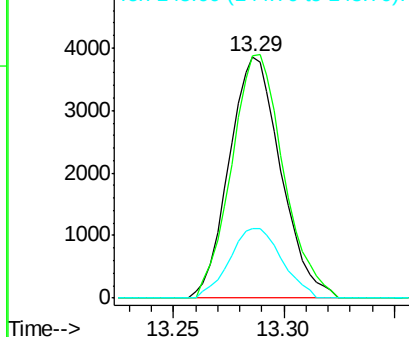
Tgt Ion:	180	Resp:	6277
Ion	Ratio	Lower	Upper
180	100		
182	101.4	77.4	116.2
145	29.3	23.2	34.8

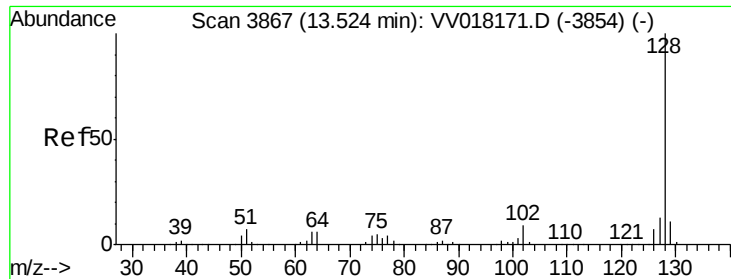


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





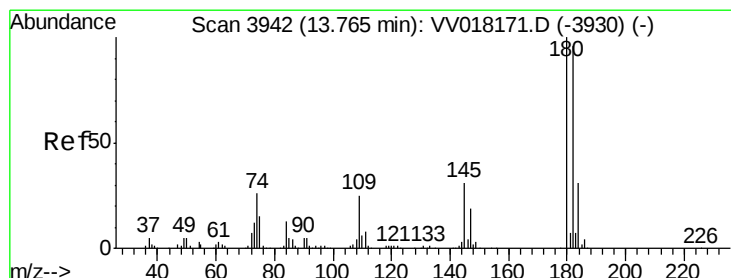
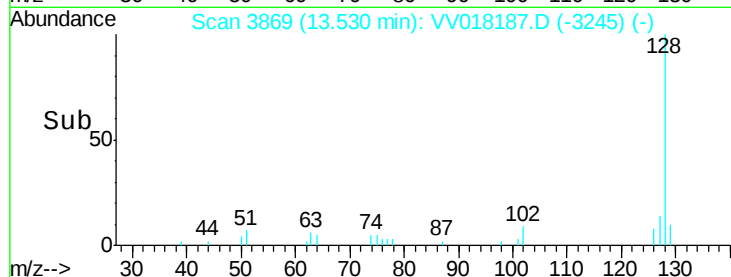
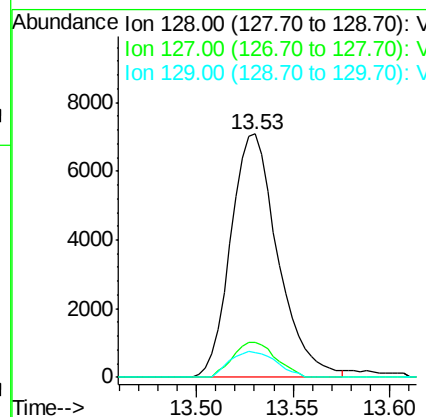
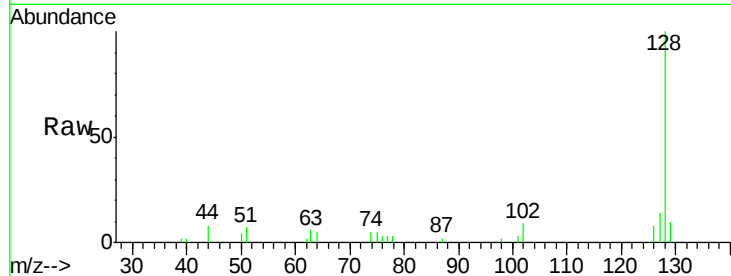
#69
Naphthalene
Concen: 1.537 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.3	8.6	13.0

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#70
1,2,3-Trichlorobenzene
Concen: 1.917 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018187.D
Acq: 10 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	30.1	24.9	37.3

