

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019155.D
 Acq On : 29 Oct 2020 19:13
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:27:00 PM

Quant Time: Nov 01 14:56:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	240097	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	228860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89777	47.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.10%
7) Chloroethane-d5	1.58	69	71506	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.48%
11) 1,1-Dichloroethene-d2	2.12	63	131836	36.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.64%
21) 2-Butanone-d5	3.91	46	117431	100.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.49%
24) Chloroform-d	4.37	84	168145	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.05	65	121749	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.07	84	323198	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.09	67	98376	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.33	98	295850	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%
43) trans-1,3-Dichloropropene-	7.64	79	54665	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
47) 2-Hexanone-d5	8.10	63	81669	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126845	48.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	124453	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4155	1.971 ug/L	96
3) Chloromethane	1.25	50	4194	2.191 ug/L	98
5) Vinyl chloride	1.32	62	4471	2.281 ug/L #	68
6) Bromomethane	1.53	94	2850	2.171 ug/L	94
8) Chloroethane	1.60	64	3130	2.568 ug/L	89
9) Trichlorofluoromethane	1.76	101	6566	2.010 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4020	2.557 ug/L #	79
12) 1,1-Dichloroethene	2.13	96	4095	2.660 ug/L #	1
13) Acetone	2.19	43	4443	4.092 ug/L	74
14) Carbon disulfide	2.31	76	11376	2.324 ug/L	96
15) Methyl Acetate	2.45	43	3721	2.127 ug/L	97
16) Methylene chloride	2.53	84	4326	2.474 ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	3576	2.162 ug/L	95
18) Methyl tert-butyl Ether	2.78	73	11299	2.040 ug/L	97
19) 1,1-Dichloroethane	3.21	63	6538	2.122 ug/L #	97
20) cis-1,2-Dichloroethene	3.94	96	3599	1.983 ug/L	99
22) 2-Butanone	4.02	43	4313m	3.647 ug/L	

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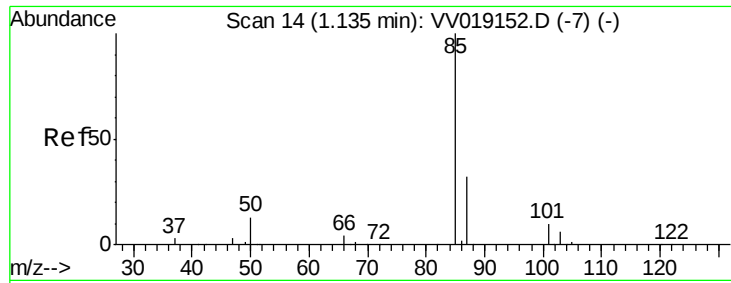
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2020m	2.074	ug/L	
25) Chloroform	4.40	83	8380	2.517	ug/L	98
27) 1,2-Dichloroethane	5.16	62	6028	2.127	ug/L	98
29) Cyclohexane	4.70	56	4561	1.785	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	6586	2.124	ug/L	98
31) Carbon tetrachloride	4.85	117	5422m	1.972	ug/L	
33) Benzene	5.13	78	14029	2.126	ug/L	100
34) Trichloroethene	5.94	95	3871	2.141	ug/L	93
35) Methylcyclohexane	6.15	83	4490	1.840	ug/L	94
37) 1,2-Dichloropropane	6.20	63	3583	2.186	ug/L #	89
38) Bromodichloromethane	6.53	83	5134	2.106	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	5567m	2.057	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	8268	3.657	ug/L	99
42) Toluene	7.41	91	18735	2.590	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	6133m	2.178	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	3559	2.166	ug/L	96
46) Tetrachloroethene	8.00	164	3109	2.014	ug/L	93
48) 2-Hexanone	8.16	43	8343	4.643	ug/L #	96
49) Dibromochloromethane	8.27	129	3826	1.923	ug/L	94
50) 1,2-Dibromoethane	8.38	107	3743	2.135	ug/L #	91
51) Chlorobenzene	8.90	112	9756	2.057	ug/L	97
52) Ethylbenzene	9.04	91	14626	1.835	ug/L	97
53) m,p-Xylene	9.16	106	5506	1.829	ug/L	98
54) o-xylene	9.57	106	5190	1.796	ug/L	81
55) Styrene	9.59	104	8793	1.716	ug/L	91
56) Isopropylbenzene	9.95	105	13126	1.690	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5348	2.137	ug/L	95
59) 1,2,3-Trichloropropane	10.29	75	4380	2.045	ug/L	98
61) Bromoform	9.76	173	3158	2.148	ug/L #	92
62) 1,3-Dichlorobenzene	11.20	146	7629	2.030	ug/L	95
63) 1,4-Dichlorobenzene	11.29	146	8859	2.268	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	7744	2.080	ug/L #	91
66) 1,2-Dibromo-3-chloropropan	12.46	75	1181	1.854	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.67	180	5379	1.944	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	4869	1.878	ug/L	98
69) Naphthalene	13.53	128	10785	1.485	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4828	1.903	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.971 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 85 Resp: 4155

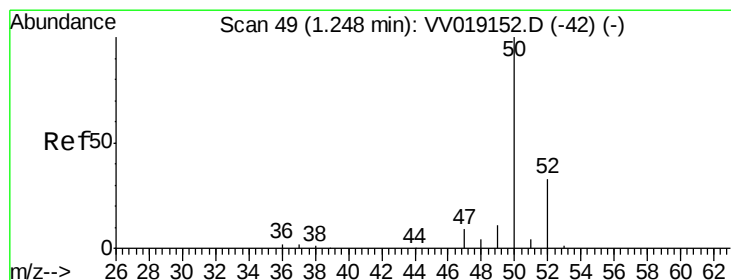
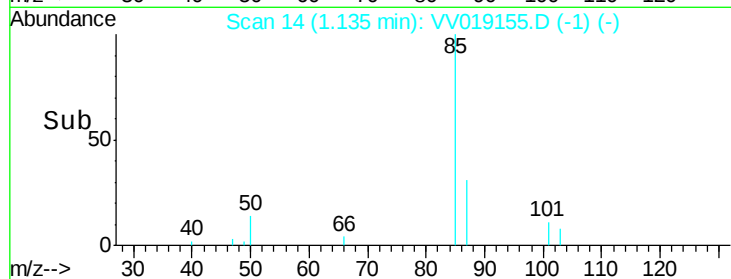
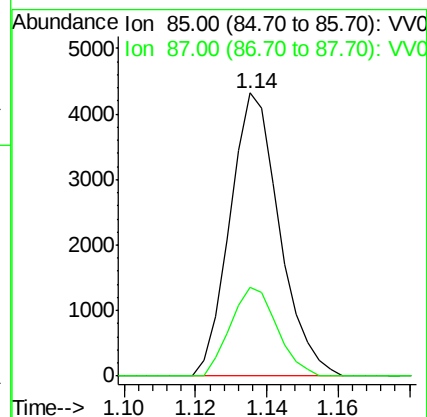
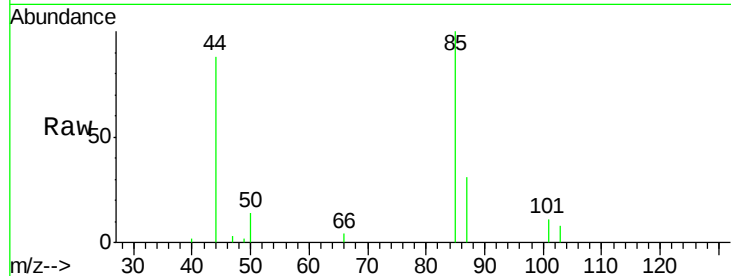
Ion Ratio Lower Upper

85 100

87 29.5 25.3 37.9

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#3

Chloromethane

Concen: 2.191 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019155.D

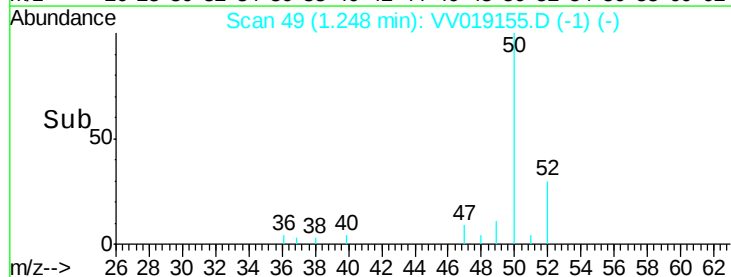
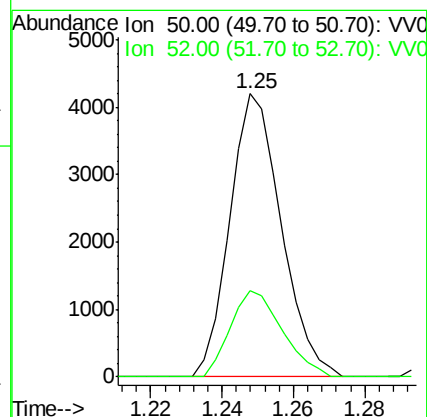
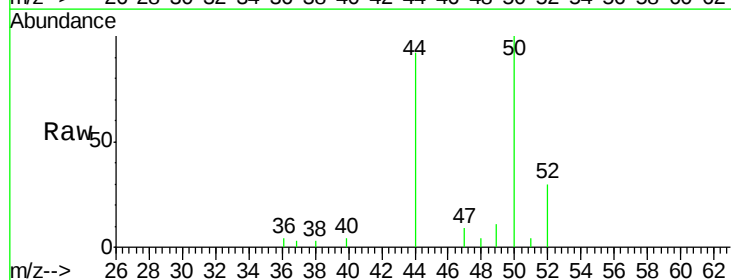
Acq: 29 Oct 2020 19:13

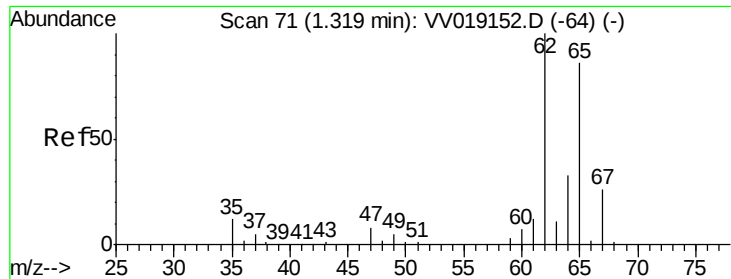
Tgt Ion: 50 Resp: 4194

Ion Ratio Lower Upper

50 100

52 30.4 22.1 41.1





#5

Vinyl chloride

Concen: 2.281 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 62 Resp: 4471

Ion Ratio Lower Upper

62 100

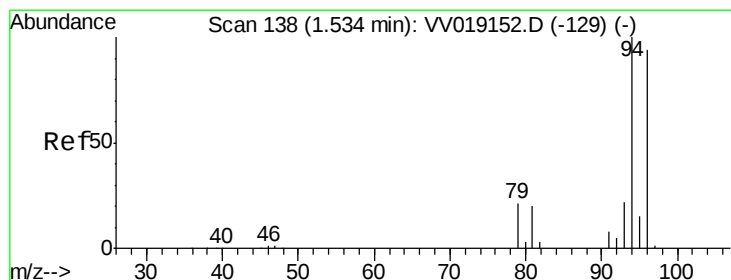
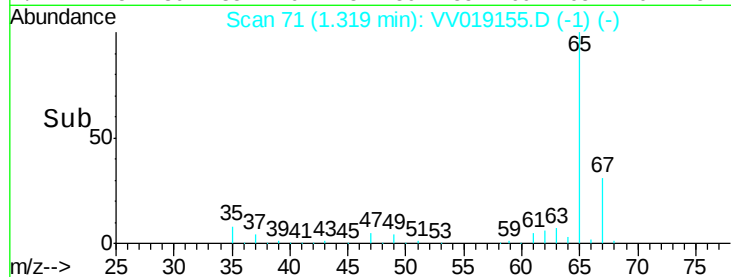
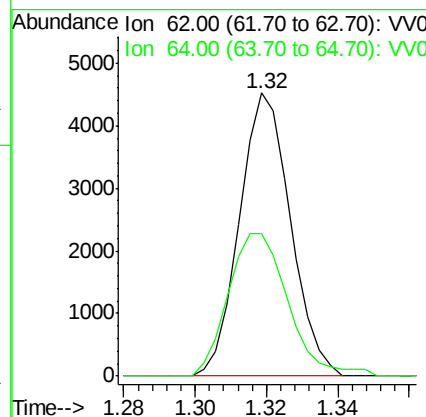
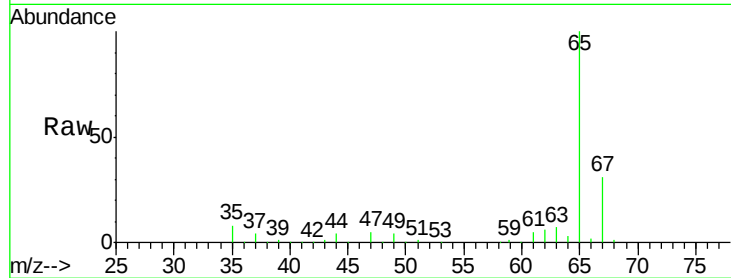
64 50.4 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.171 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019155.D

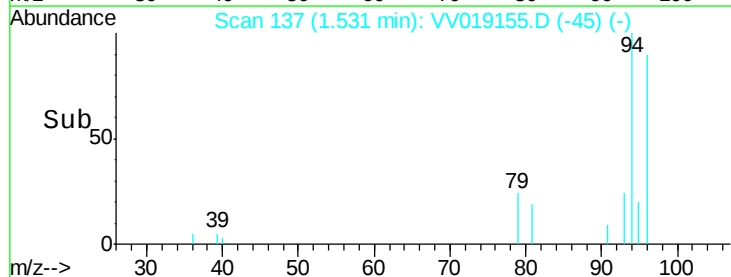
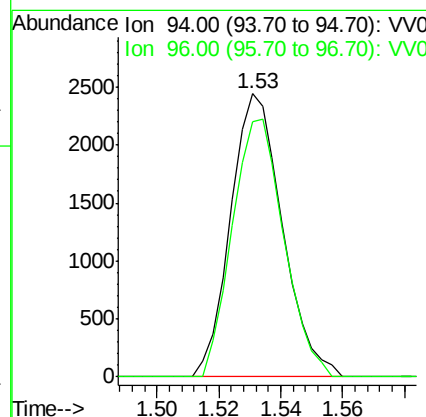
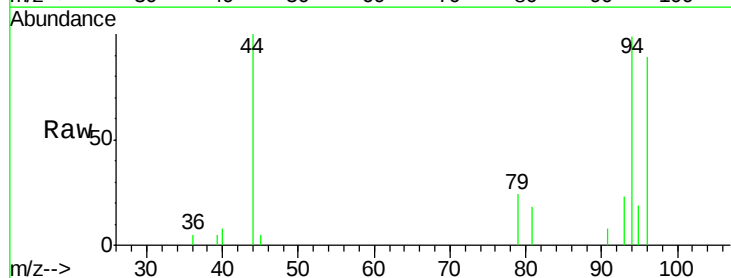
Acq: 29 Oct 2020 19:13

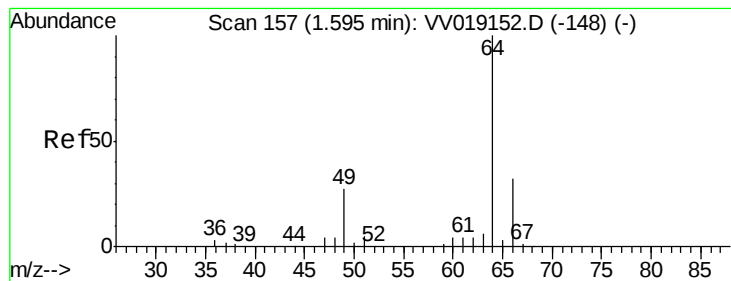
Tgt Ion: 94 Resp: 2850

Ion Ratio Lower Upper

94 100

96 90.2 67.0 124.4





#8

Chloroethane

Concen: 2.568 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 3130

Ion Ratio Lower Upper

64 100

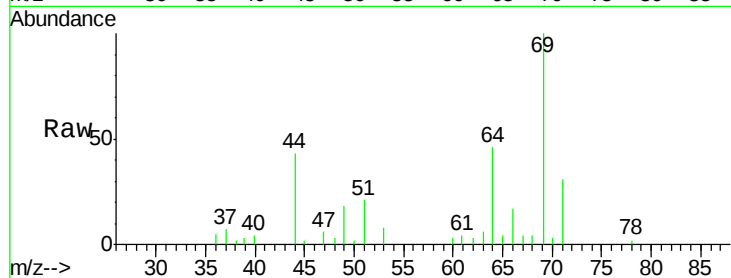
66 37.2 22.0 40.8

Manual Integrations

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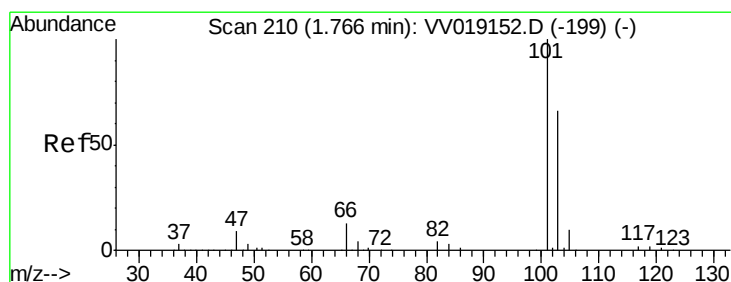
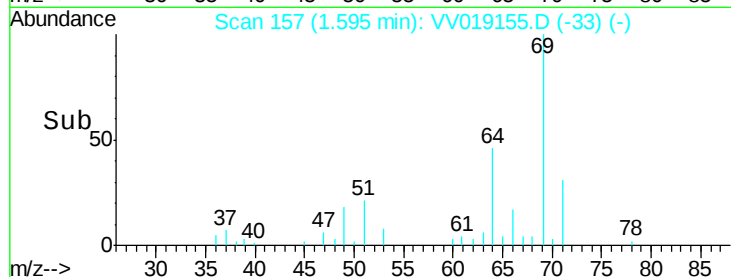
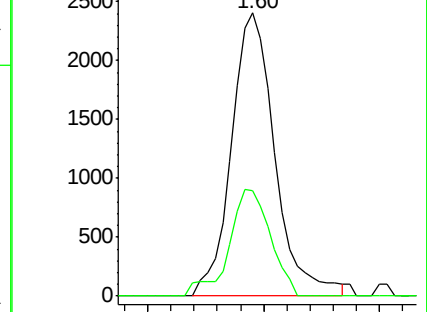
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Abundance Ion 64.00 (63.70 to 64.70): VV019155.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019155.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 2.010 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019155.D

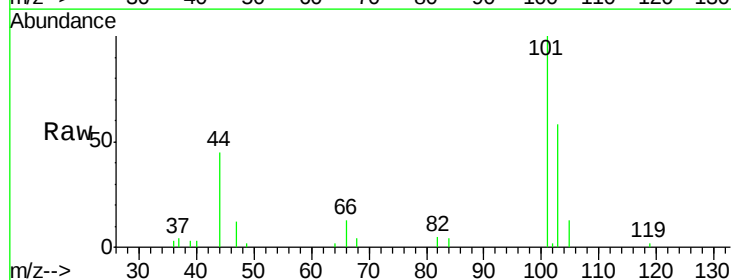
Acq: 29 Oct 2020 19:13

Tgt Ion: 101 Resp: 6566

Ion Ratio Lower Upper

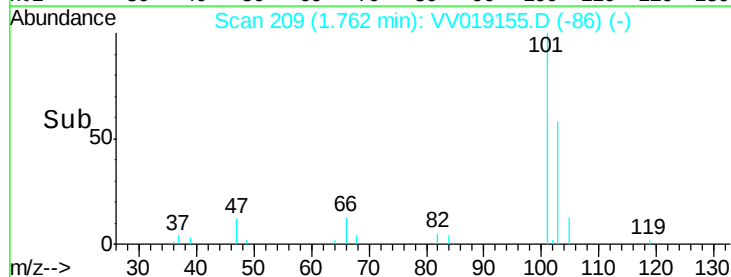
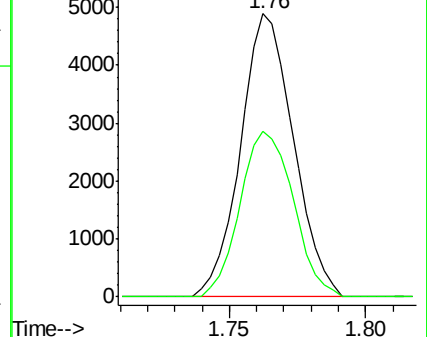
101 100

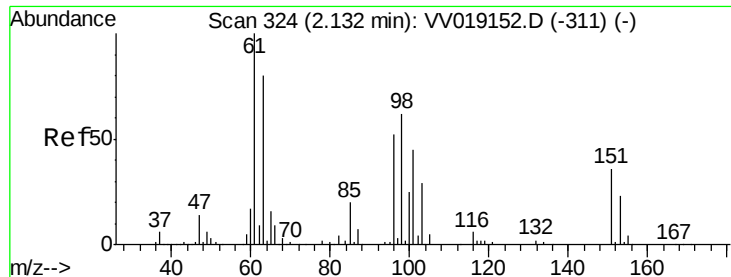
103 58.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019155.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019155.D (-199) (-)





#10

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

Concen: 2.557 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

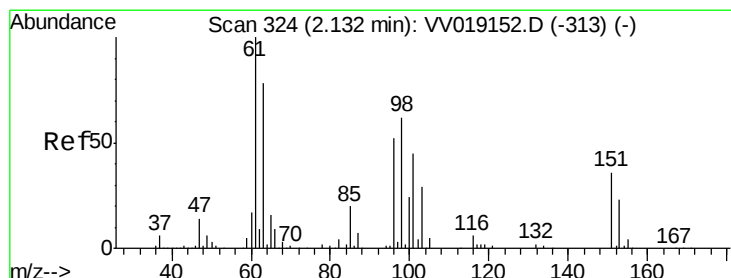
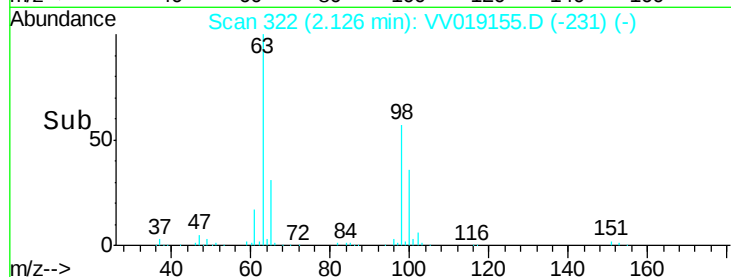
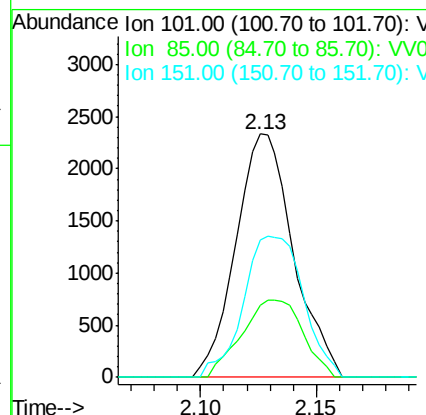
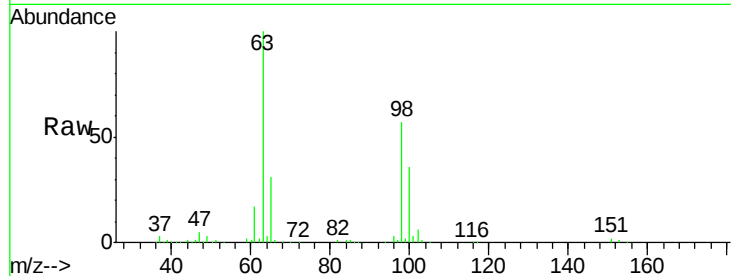
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	4020
Ion Ratio	Lower	Upper	
101	100		
85	33.7	36.1	54.1#
151	60.3	65.0	97.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.660 ug/L

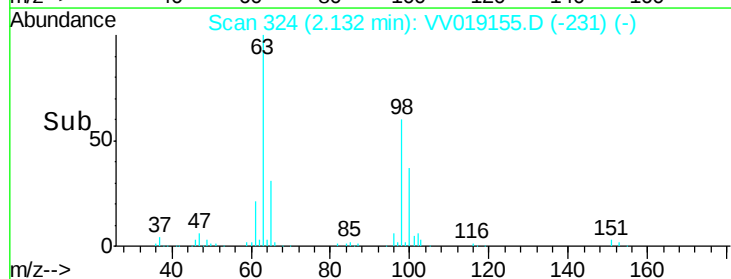
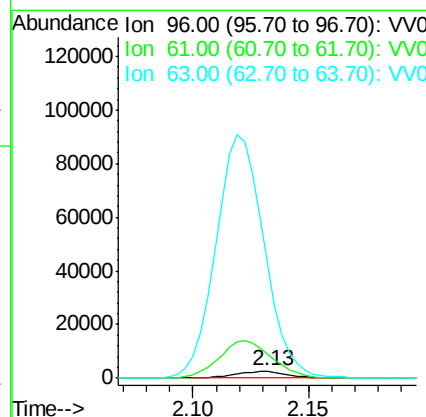
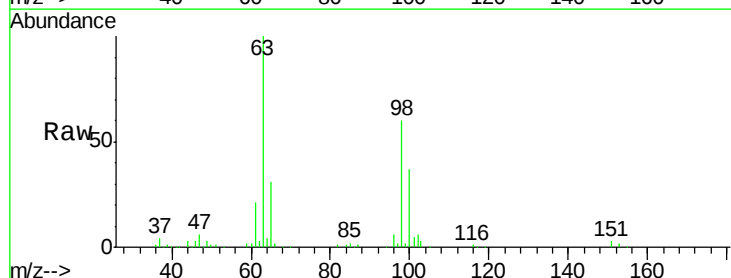
RT: 2.13 min Scan# 324

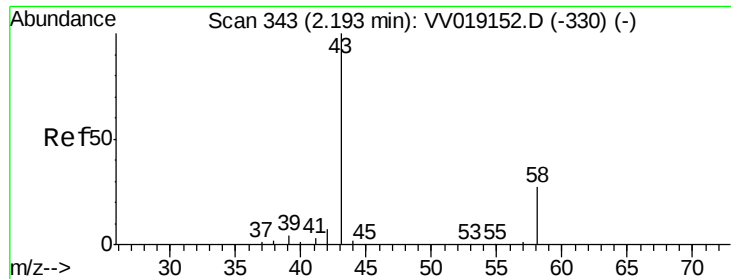
Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion:	96	Resp:	4095
Ion Ratio	Lower	Upper	
96	100		
61	347.3	132.6	246.2#
63	1631.4	108.4	201.4#





#13

Acetone

Concen: 4.092 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 4443

Ion Ratio Lower Upper

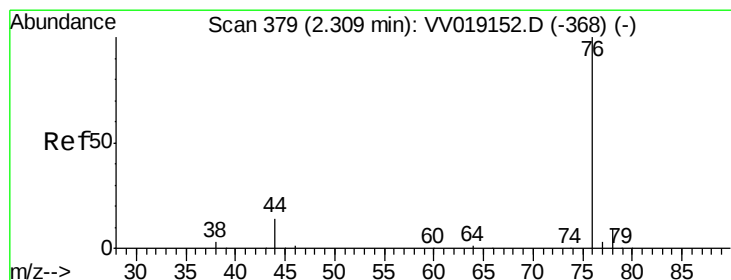
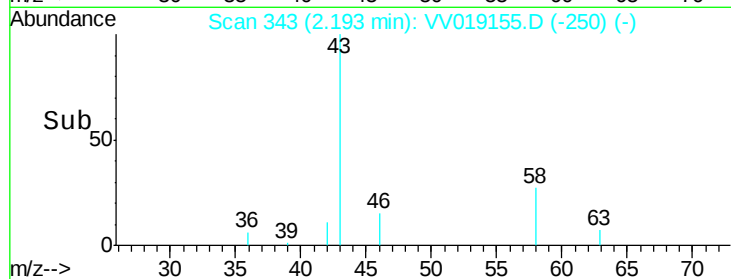
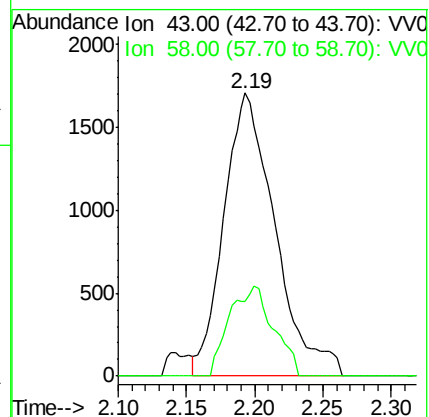
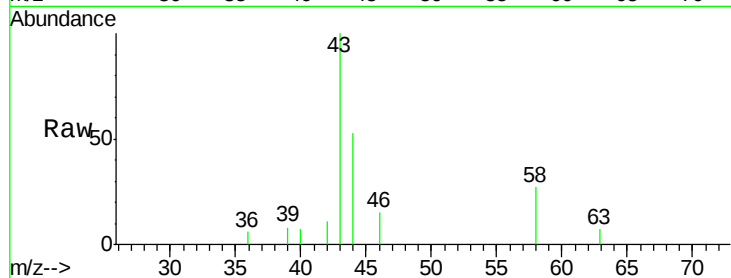
43 100

58 15.6 0.0 59.4

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#14

Carbon disulfide

Concen: 2.324 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019155.D

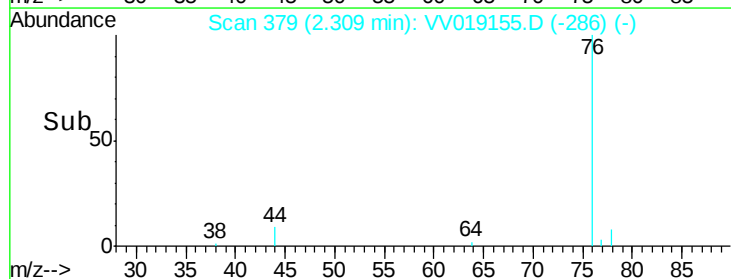
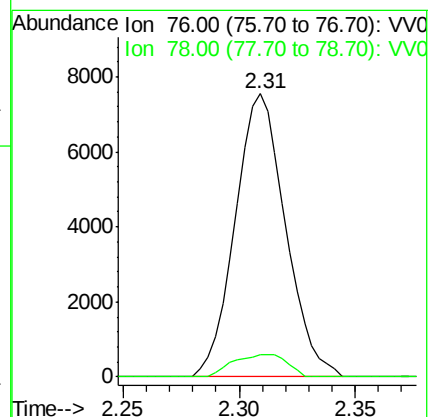
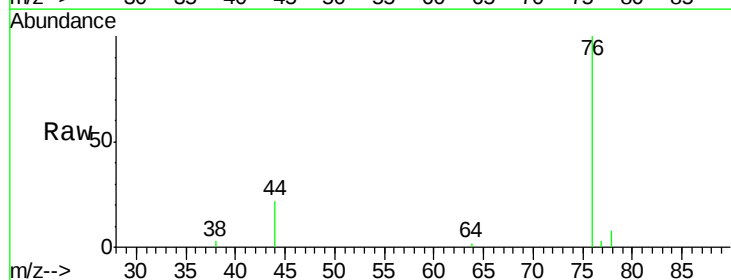
Acq: 29 Oct 2020 19:13

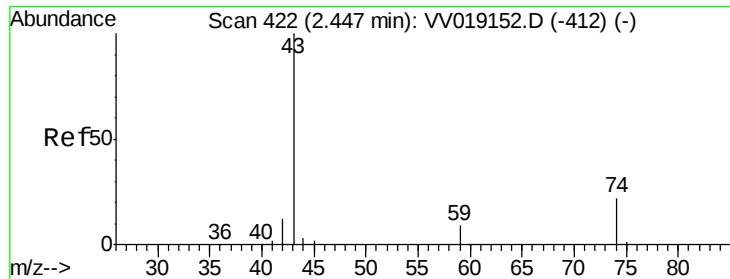
Tgt Ion: 76 Resp: 11376

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.0





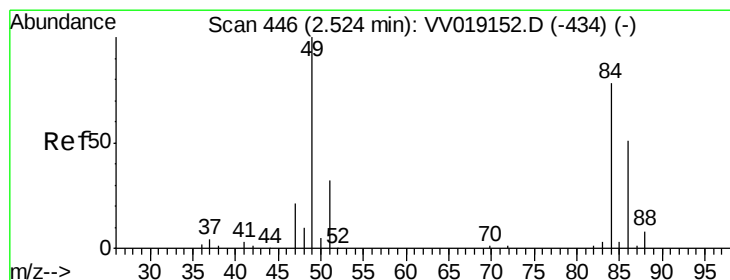
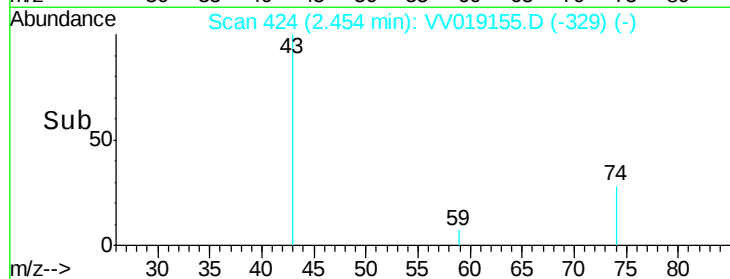
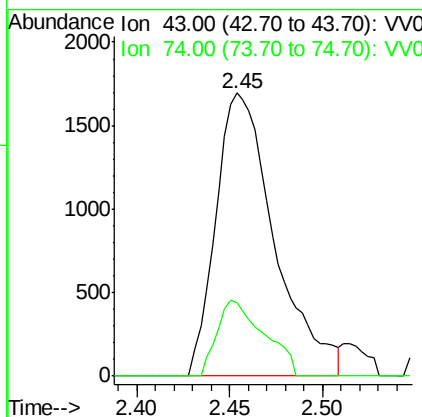
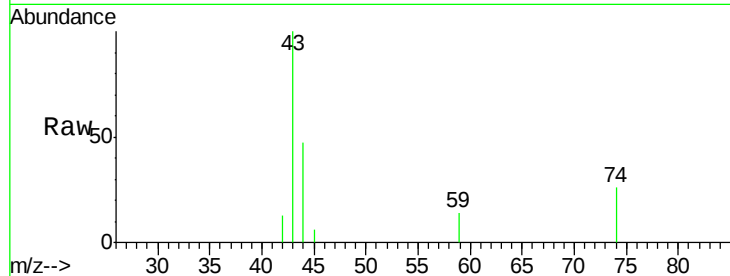
#15
Methyl Acetate
Concen: 2.127 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 3721
Ion Ratio Lower Upper
43 100
74 21.5 18.4 27.6

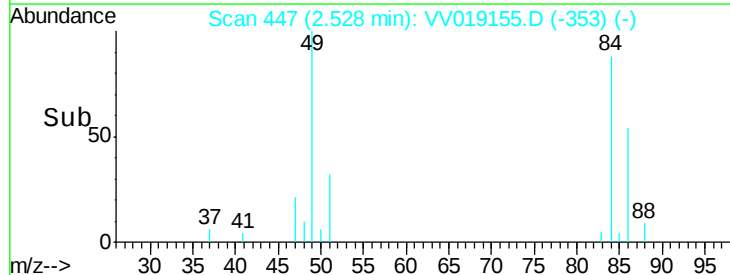
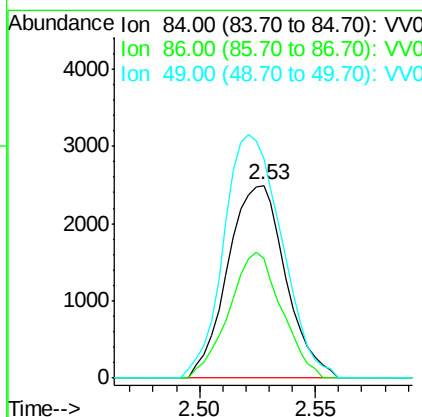
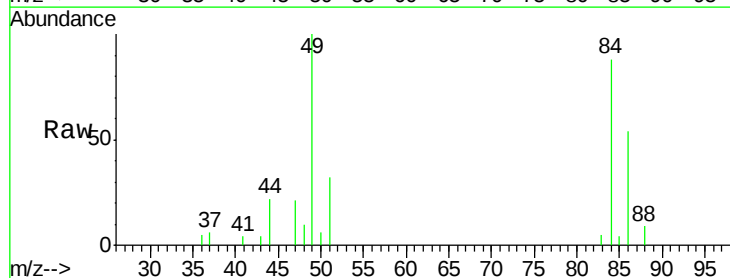
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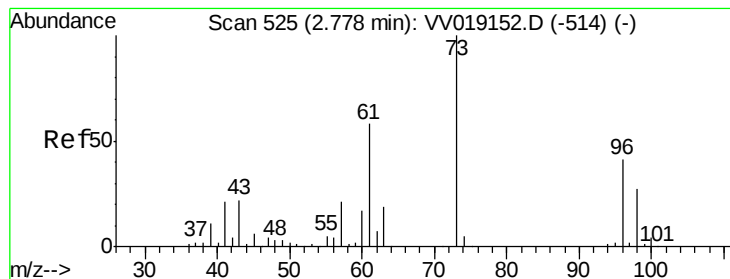
MMDadoda
11/2/2020 2:27:00 PM



#16
Methylene chloride
Concen: 2.474 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion: 84 Resp: 4326
Ion Ratio Lower Upper
84 100
86 61.8 46.0 85.4
49 113.6 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.162 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

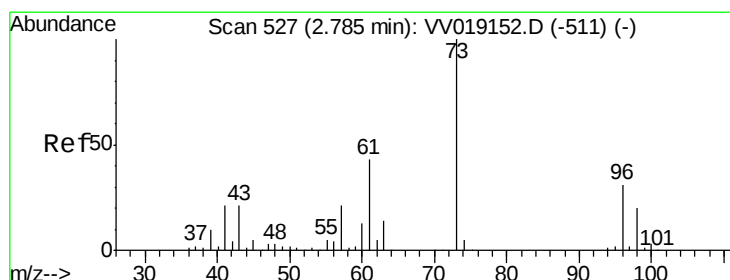
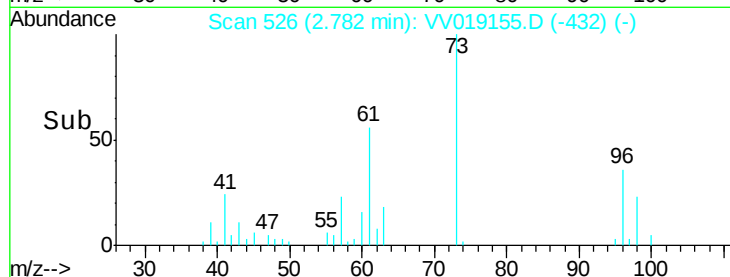
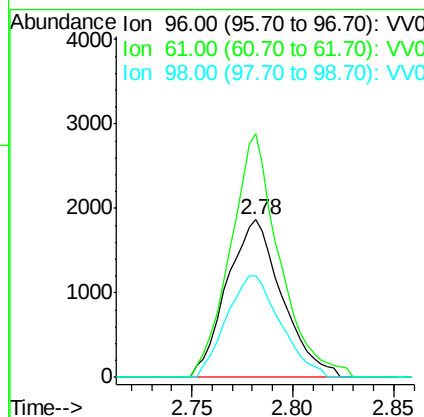
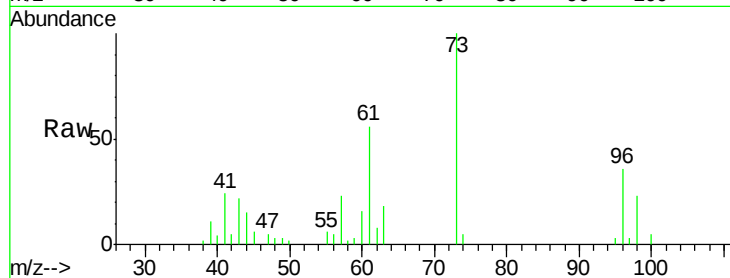
ClientSampled :

MDL01

Tot Ion:	96	Resp:	3576
Ion	Ratio	Lower	Upper
96	100		
61	154.7	102.4	190.2
98	64.4	45.9	85.3

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#18

Methyl tert-butyl Ether

Concen: 2.040 ug/L

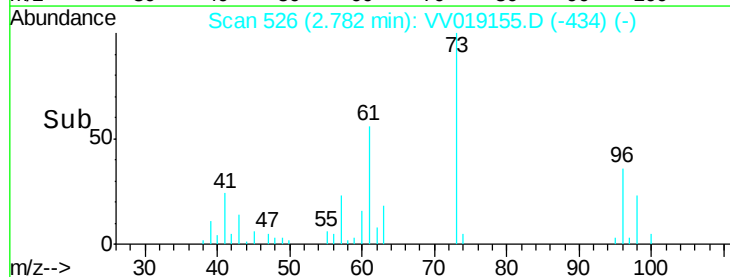
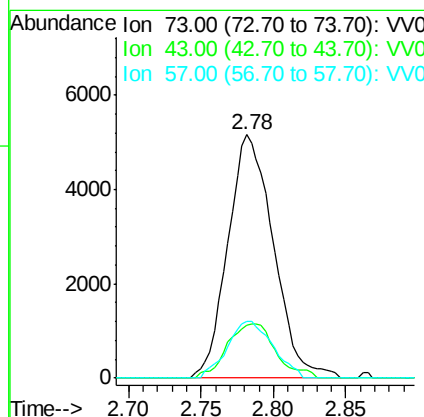
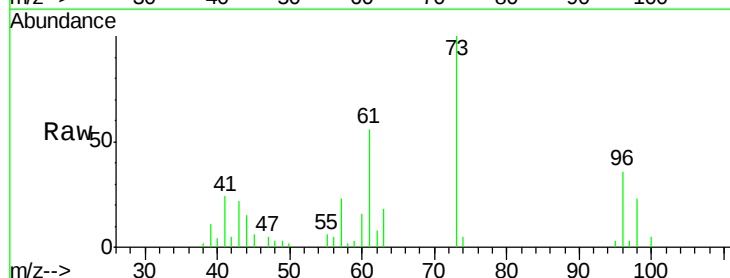
RT: 2.78 min Scan# 526

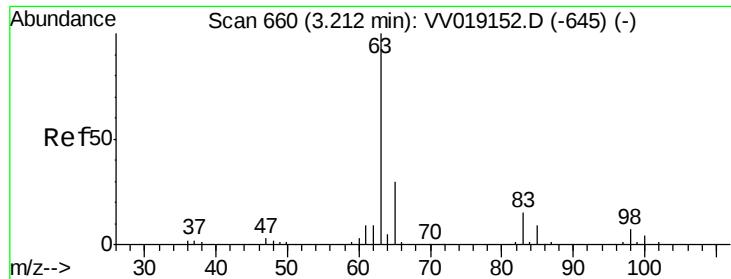
Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion:	73	Resp:	11299
Ion	Ratio	Lower	Upper
73	100		
43	23.2	17.9	26.9
57	23.1	17.1	25.7





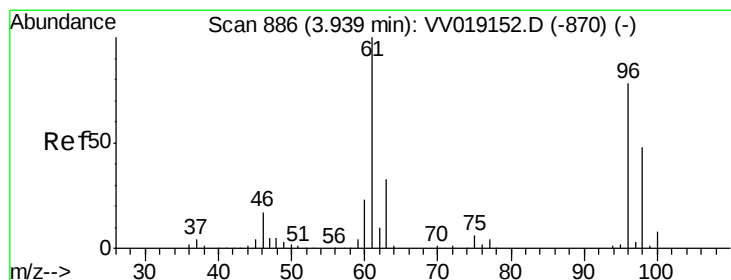
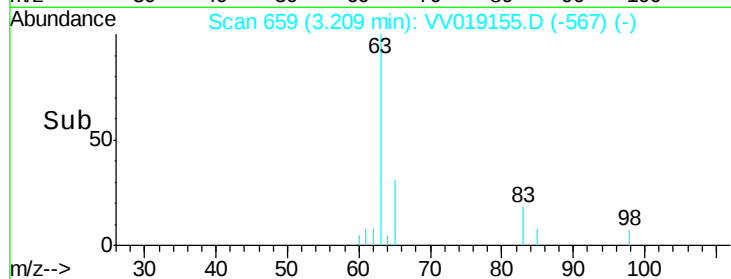
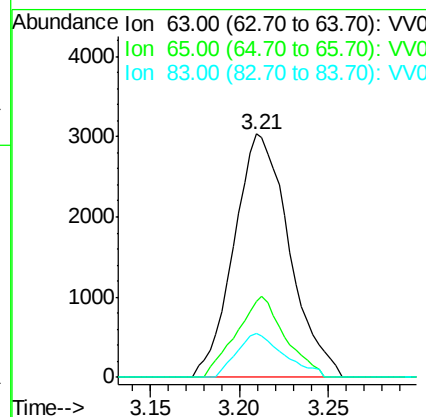
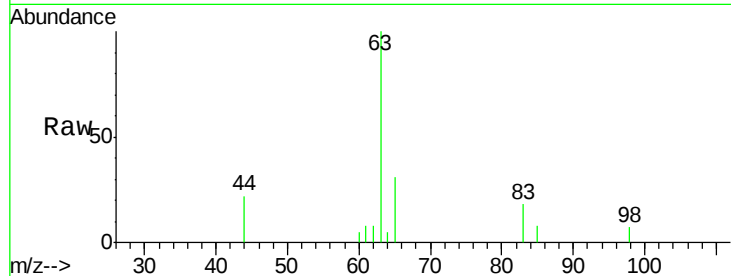
#19
 1,1-Dichloroethane
 Concen: 2.122 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.0	40.8
83	17.8	9.6	17.8#

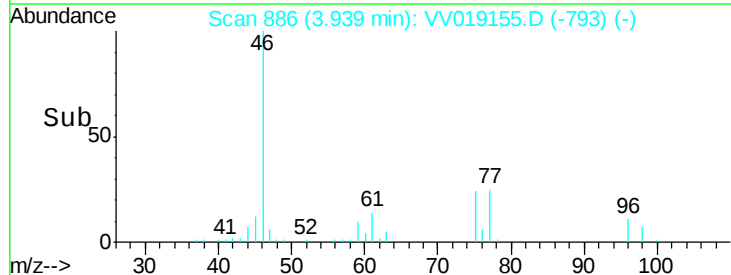
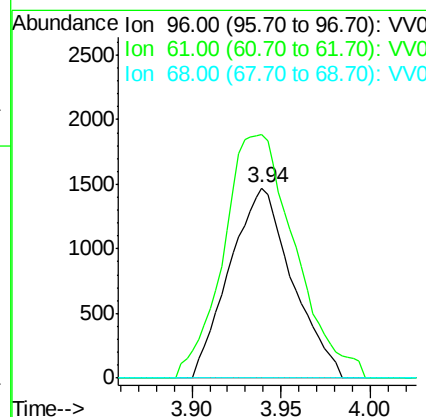
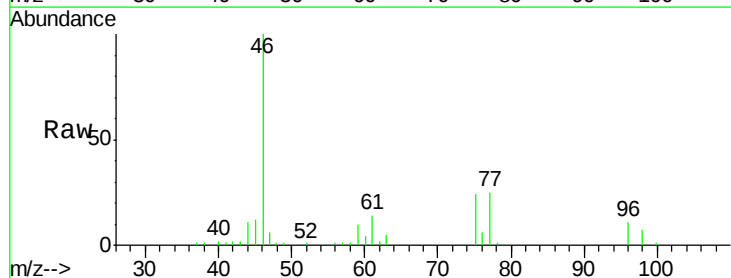
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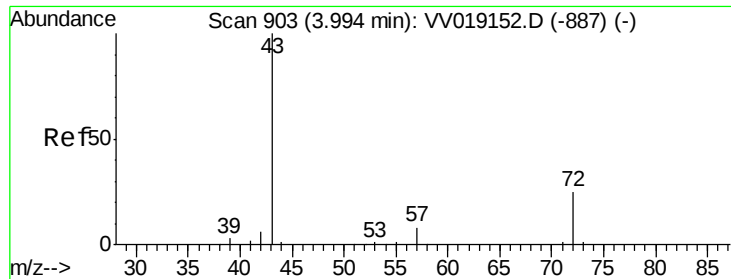
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 1.983 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.0	90.7	168.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.647 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 43 Resp: 4313

Ion Ratio Lower Upper

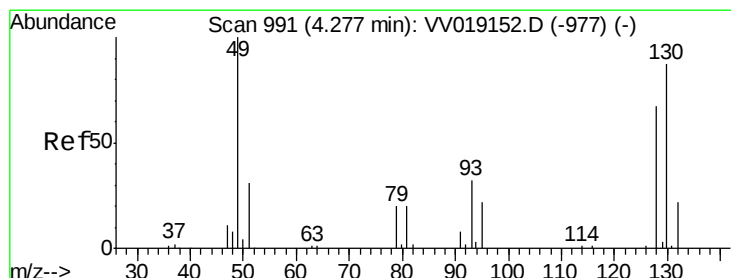
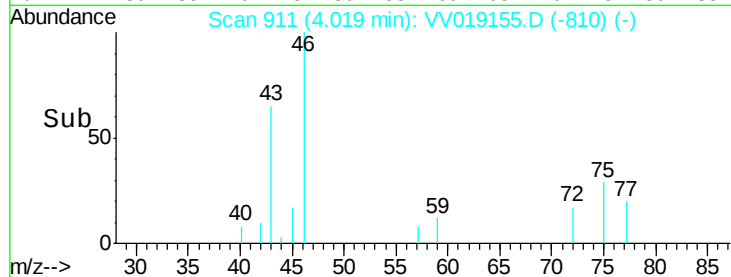
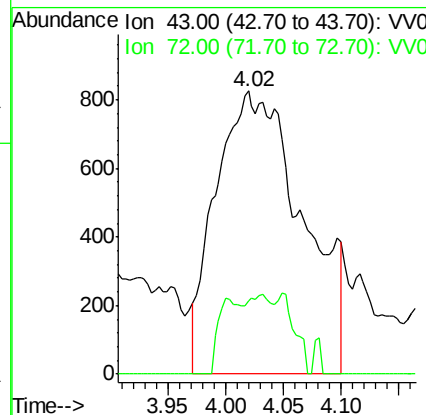
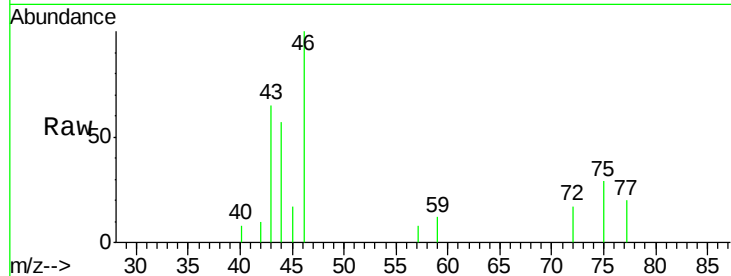
43 100

72 6.7 11.9 35.9#

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#23

Bromochloromethane

Concen: 2.074 ug/L m

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion: 128 Resp: 2020

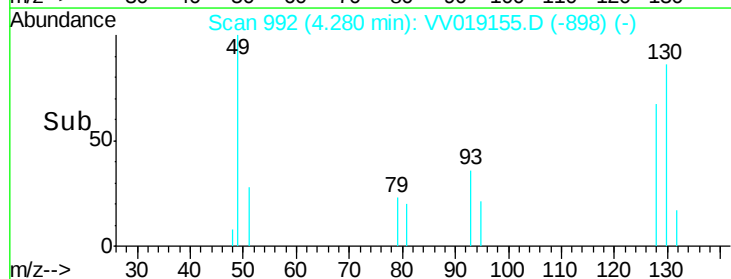
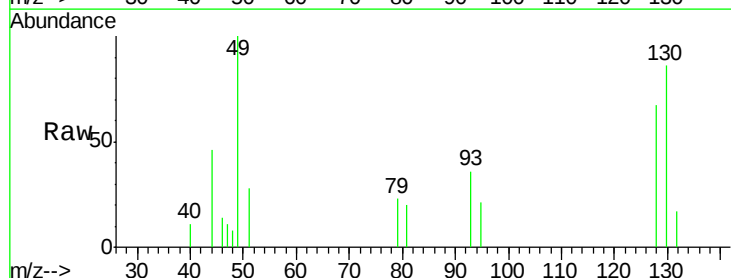
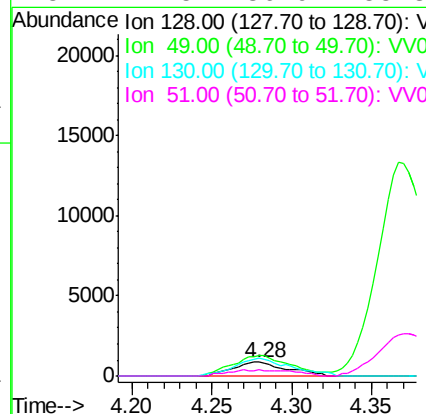
Ion Ratio Lower Upper

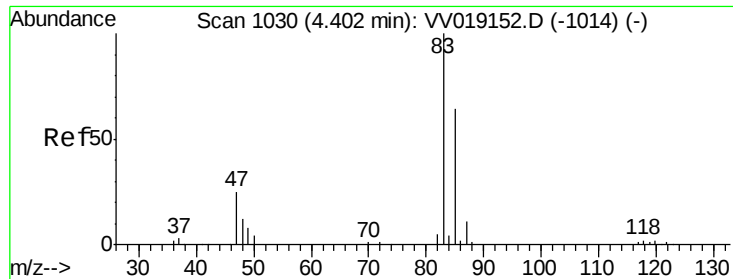
128 100

49 150.0 108.5 201.5

130 128.8 90.4 167.8

51 42.5 36.9 55.3





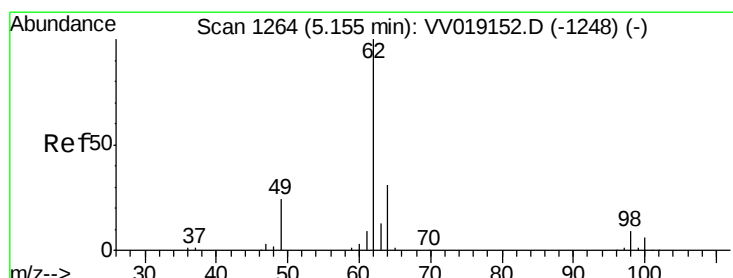
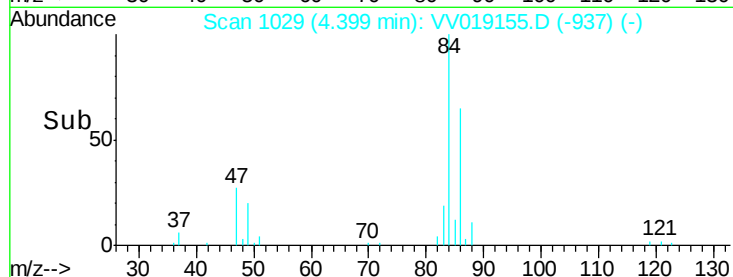
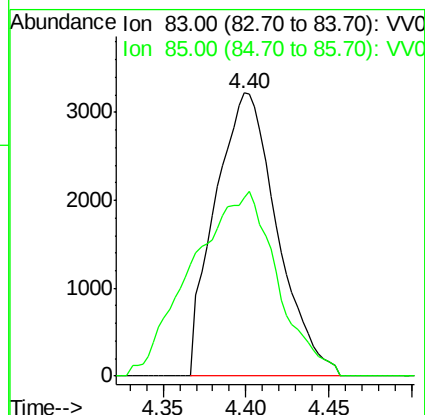
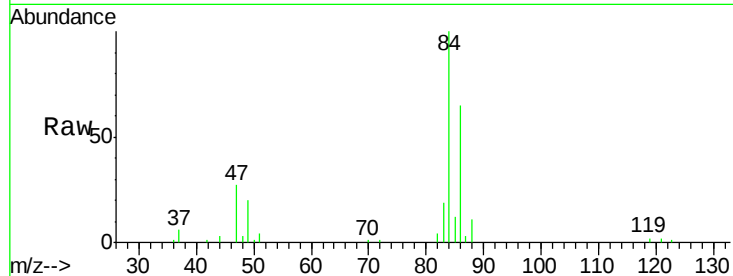
#25
Chloroform
Concen: 2.517 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 83 Resp: 8380
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.9

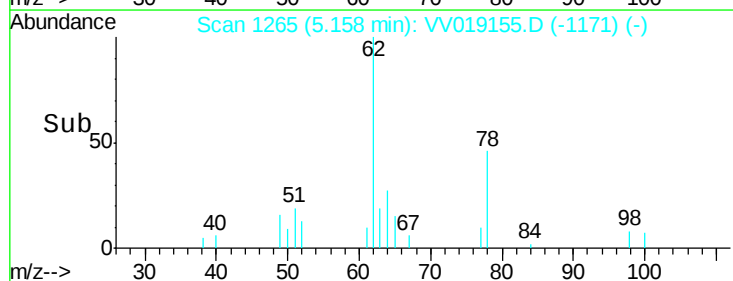
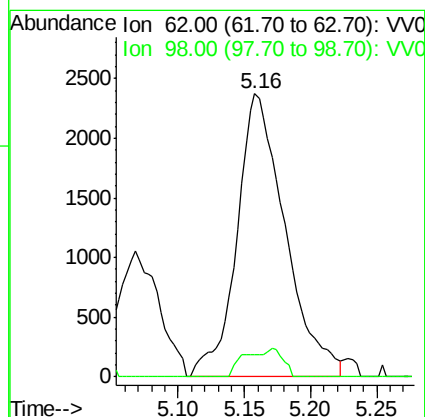
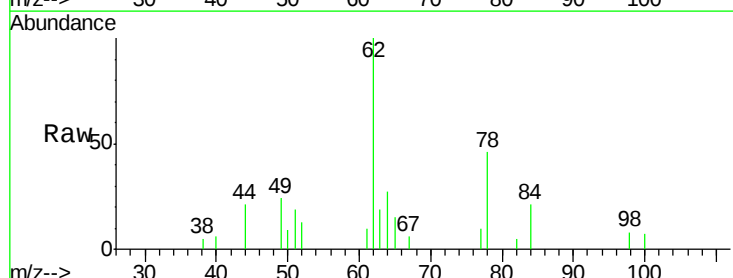
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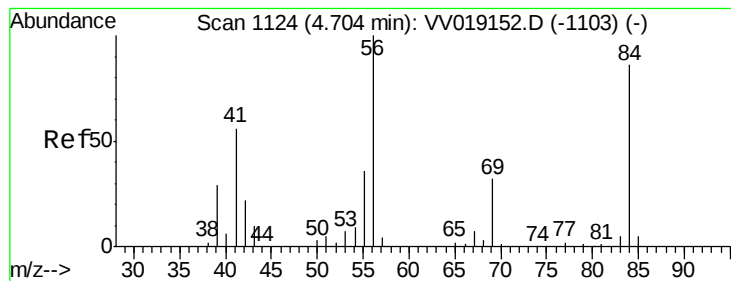
MMDadoda
11/2/2020 2:27:00 PM



#27
1,2-Dichloroethane
Concen: 2.127 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion: 62 Resp: 6028
Ion Ratio Lower Upper
62 100
98 7.8 6.8 10.2





#29

Cyclohexane

Concen: 1.785 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

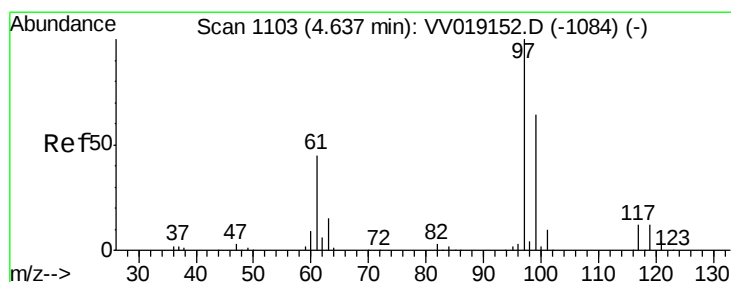
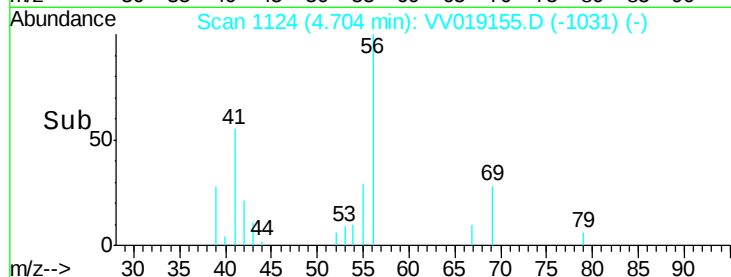
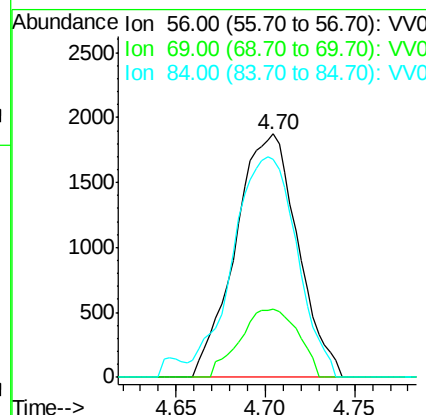
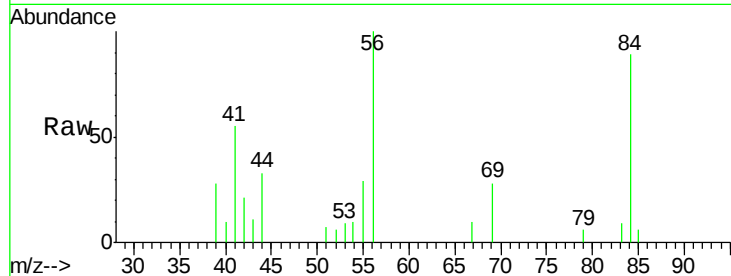
ClientSampled :

MDL01

Tot Ion:	56	Resp:	4561
Ion	Ratio	Lower	Upper
56	100		
69	26.2	25.0	37.4
84	93.3	71.5	107.3

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#30

1,1,1-Trichloroethane

Concen: 2.124 ug/L

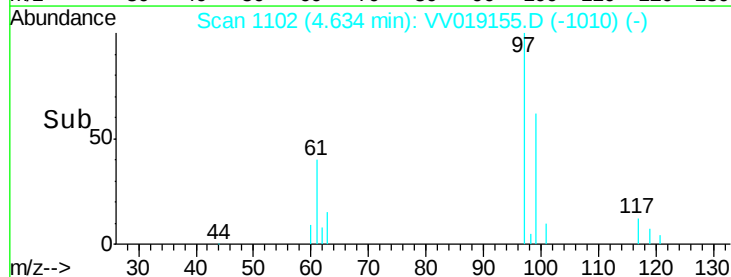
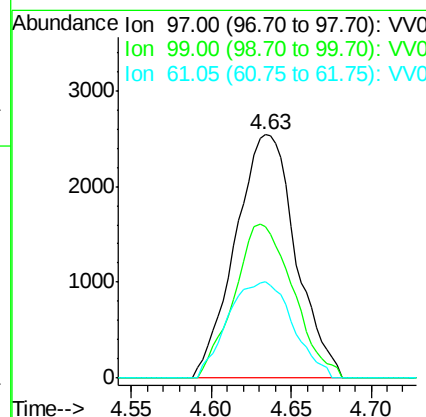
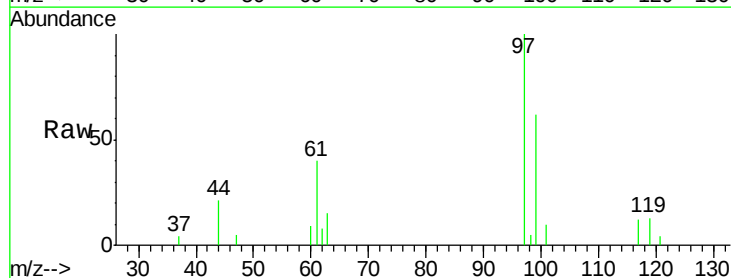
RT: 4.63 min Scan# 1102

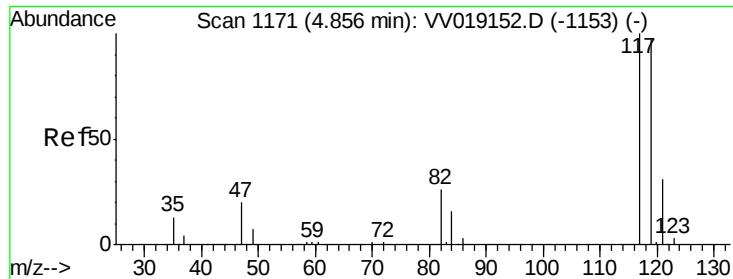
Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion:	97	Resp:	6586
Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.3	76.9
61	42.5	34.6	52.0





#31

Carbon tetrachloride

Concen: 1.972 ug/L m

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:117 Resp: 5422

Ion Ratio Lower Upper

117 100

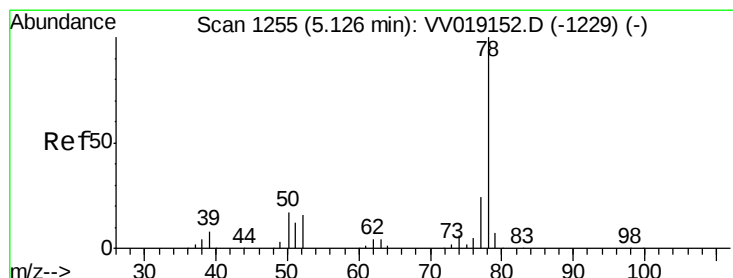
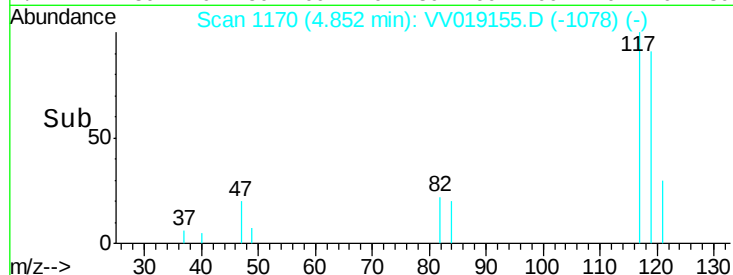
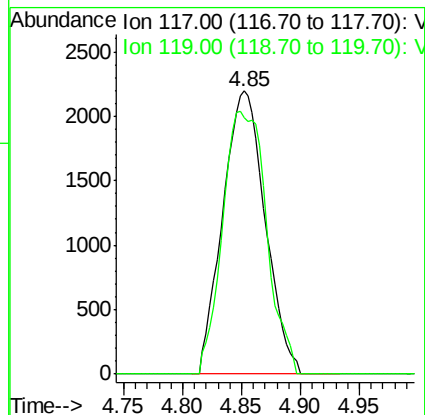
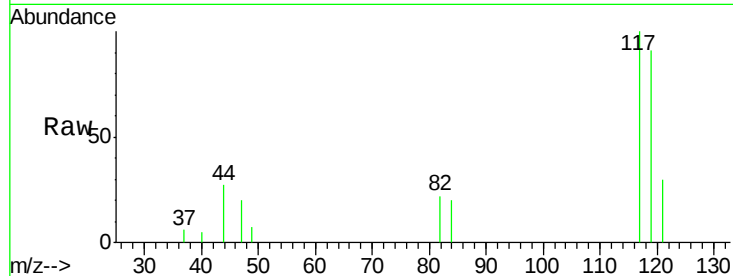
119 12.2 77.2 115.8#

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#33

Benzene

Concen: 2.126 ug/L

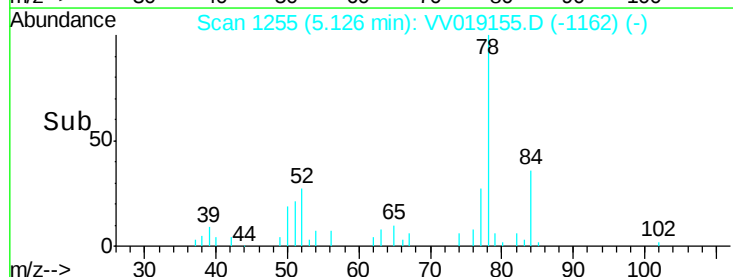
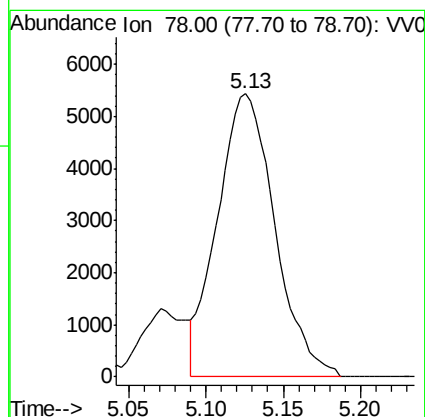
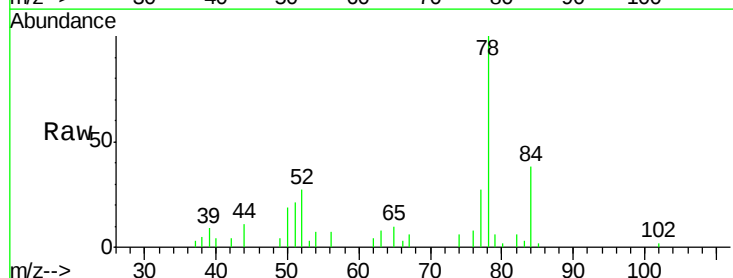
RT: 5.13 min Scan# 1255

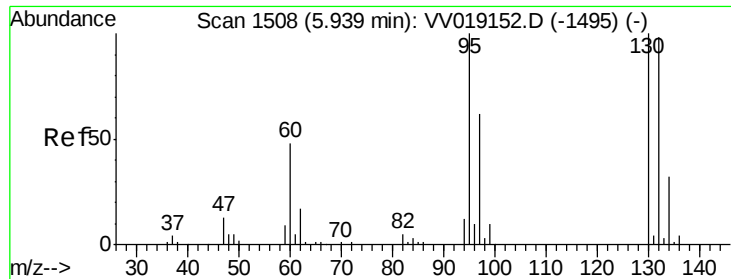
Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion: 78 Resp: 14029





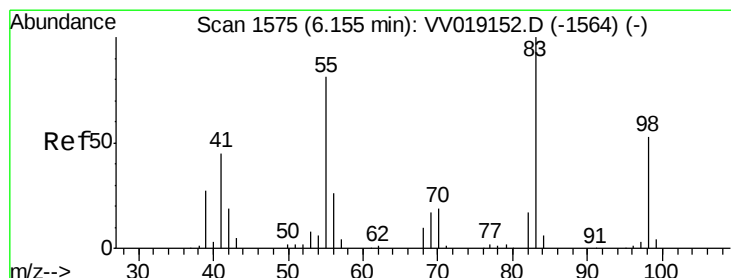
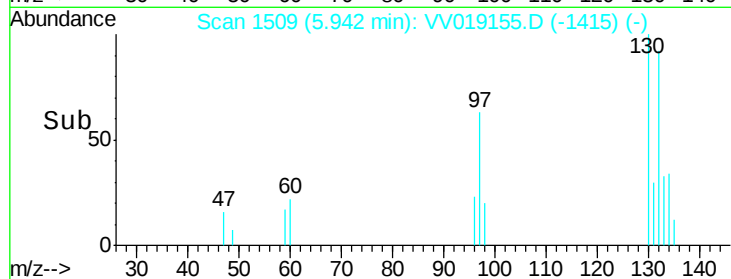
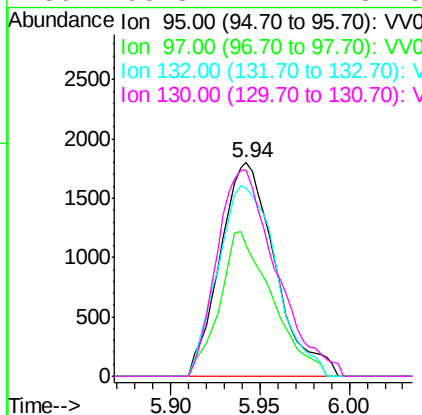
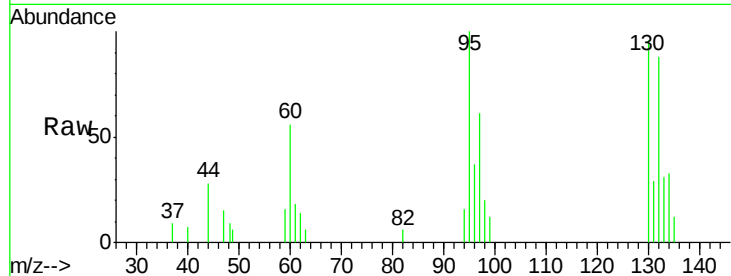
#34
 Trichloroethene
 Concen: 2.141 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 95 Resp: 3871
 Ion Ratio Lower Upper
 95 100
 97 61.1 43.4 80.6
 132 88.3 69.7 129.4
 130 96.3 72.4 134.5

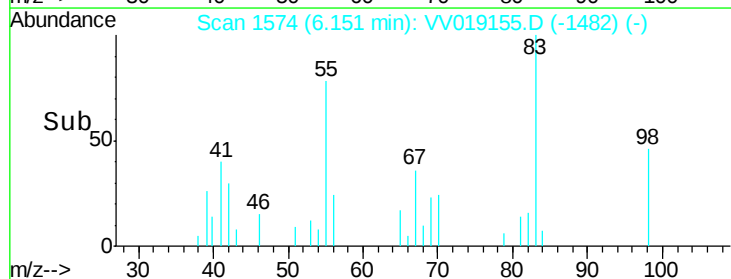
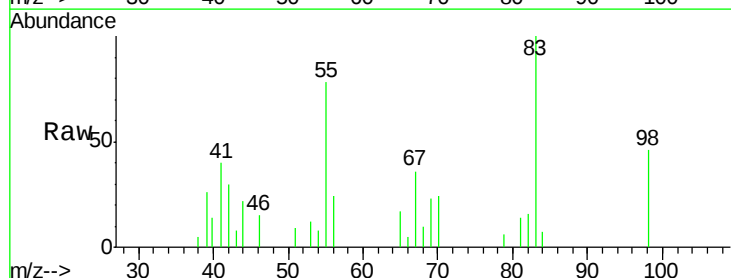
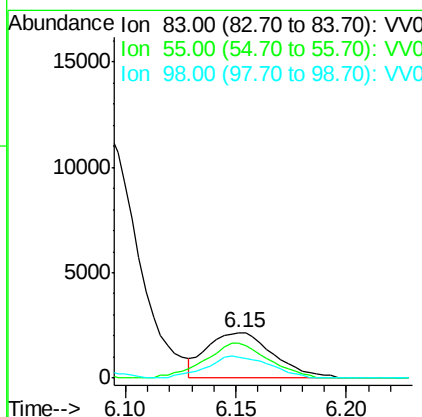
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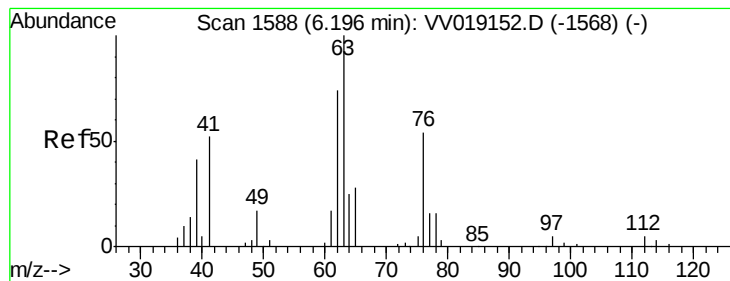
MMDadoda
 11/2/2020 2:27:00 PM



#35
 Methylcyclohexane
 Concen: 1.840 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 83 Resp: 4490
 Ion Ratio Lower Upper
 83 100
 55 73.2 62.2 93.4
 98 45.3 39.4 59.2





#37

1,2-Dichloropropane

Concen: 2.186 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 63 Resp: 3583

Ion Ratio Lower Upper

63 100

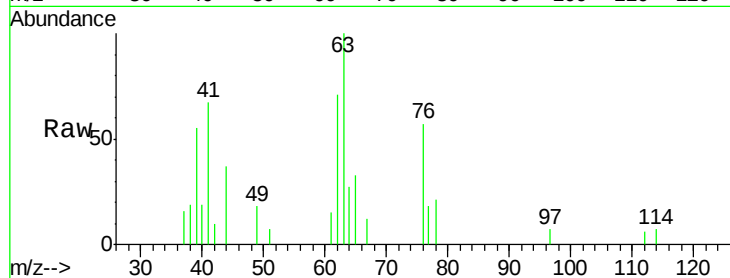
112 1.1 3.8 5.8#

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Abundance Ion 63.00 (62.70 to 63.70): VV019155.D (-1588) (-)

Ion 112.00 (111.70 to 112.70): VV019155.D (-1588) (-)

6.20

1500

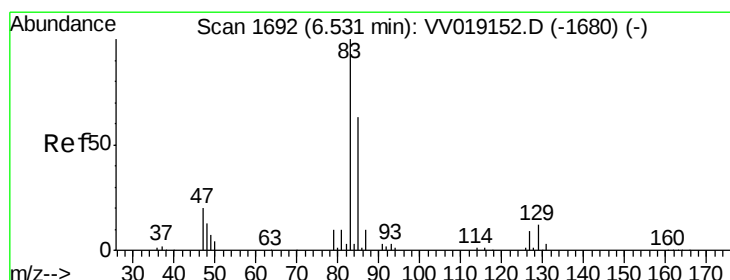
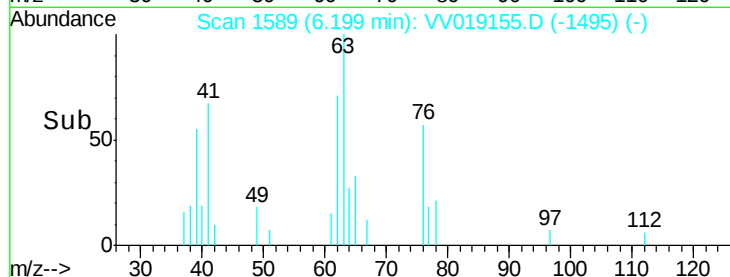
1000

500

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 2.106 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

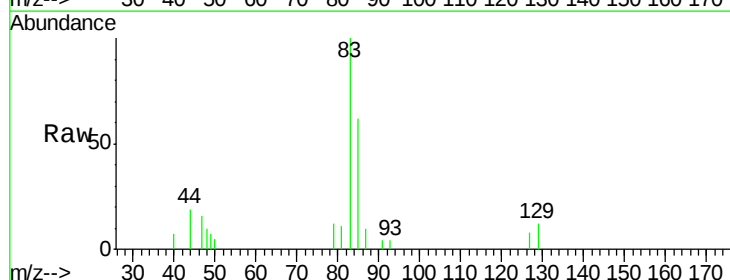
Tgt Ion: 83 Resp: 5134

Ion Ratio Lower Upper

83 100

85 61.8 45.9 85.3

127 8.0 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VV019155.D (-1692) (-)

Ion 85.00 (84.70 to 85.70): VV019155.D (-1692) (-)

Ion 127.00 (126.70 to 127.70): VV019155.D (-1692) (-)

6.53

3000

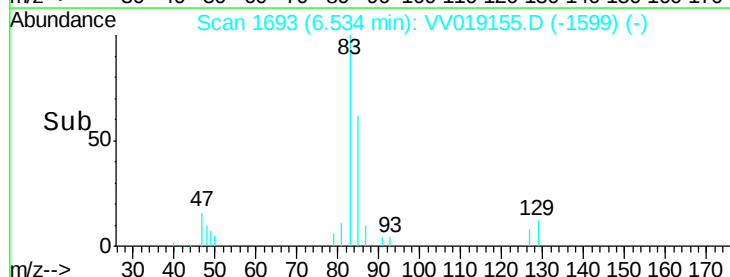
2000

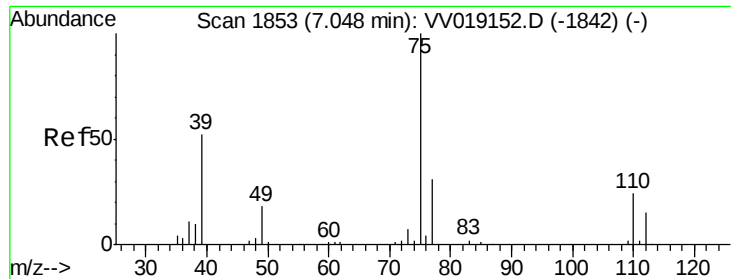
1000

0

6.50 6.55 6.60

Time-->





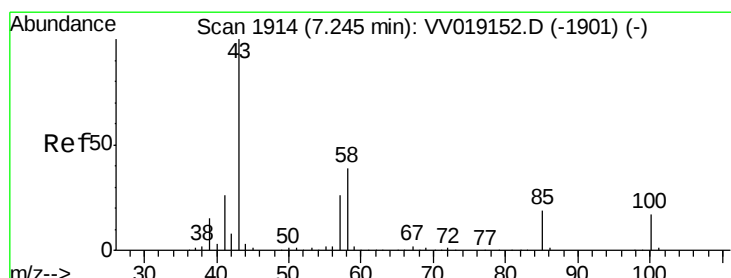
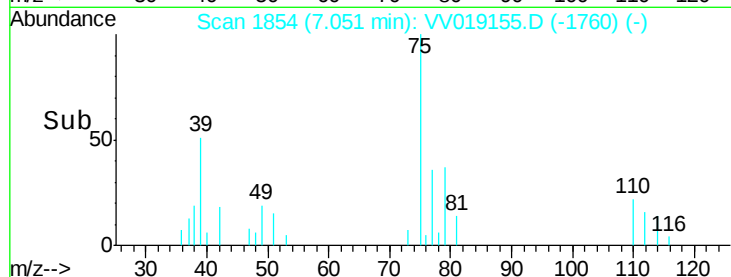
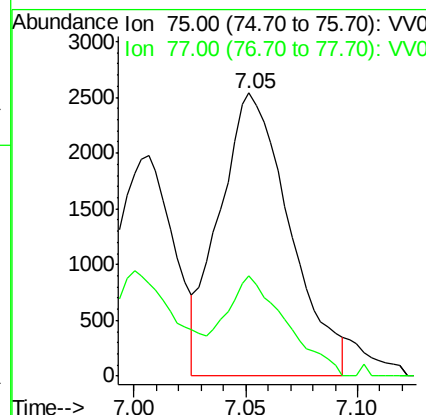
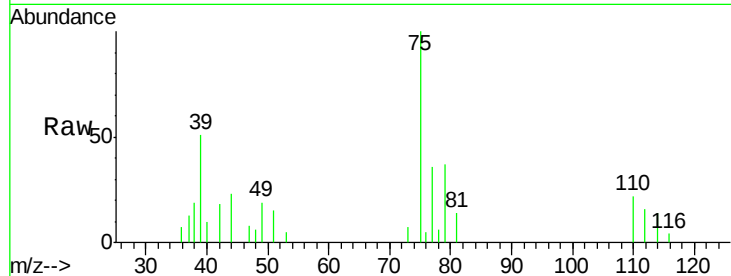
#39
 cis-1,3-Dichloropropene
 Concen: 2.057 ug/L m
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 5567
 Ion Ratio Lower Upper
 75 100
 77 35.5 22.7 42.1

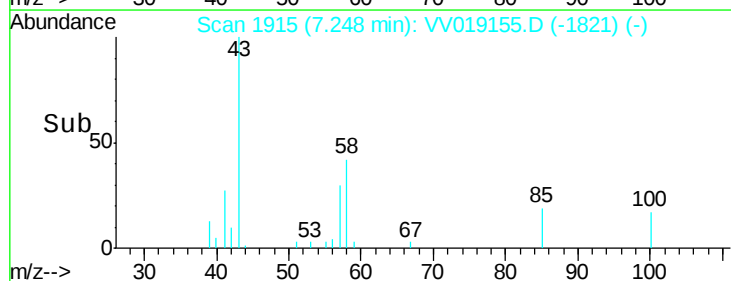
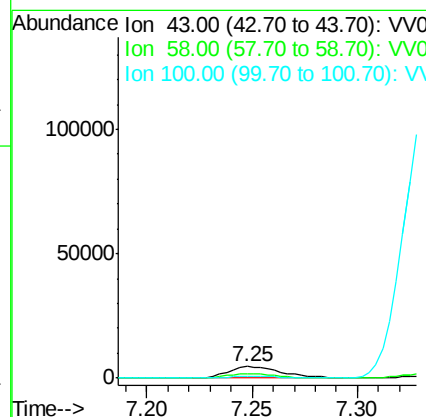
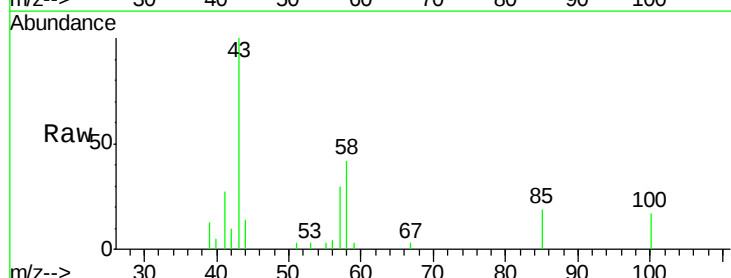
Manual Integrations
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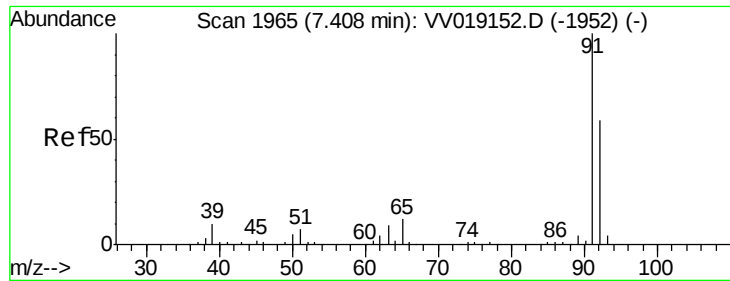
MMDadoda
 11/2/2020 2:27:00 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.657 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 43 Resp: 8268
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 15.6 13.2 19.8





#42

Toluene

Concen: 2.590 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 18735

Ion Ratio Lower Upper

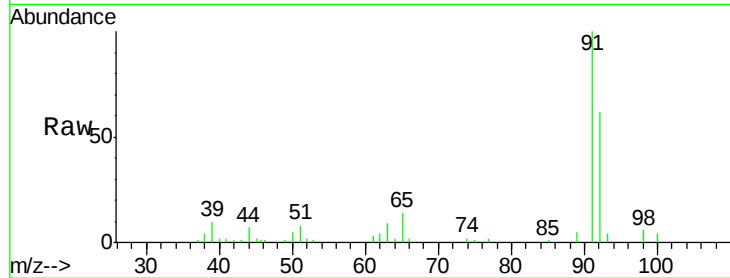
91 100

92 62.3 41.5 77.1

Manual Integrations
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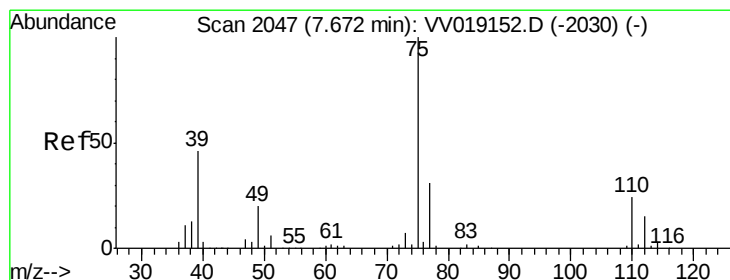
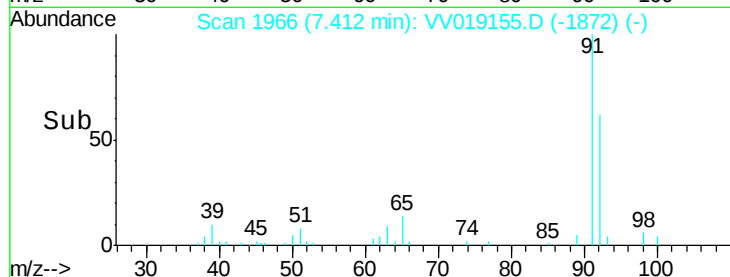
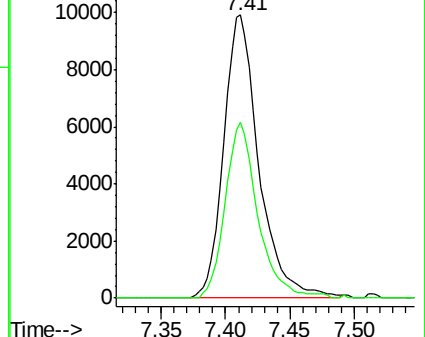
MMDadoda

11/2/2020 2:27:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VV019155.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019155.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.178 ug/L m

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV019155.D

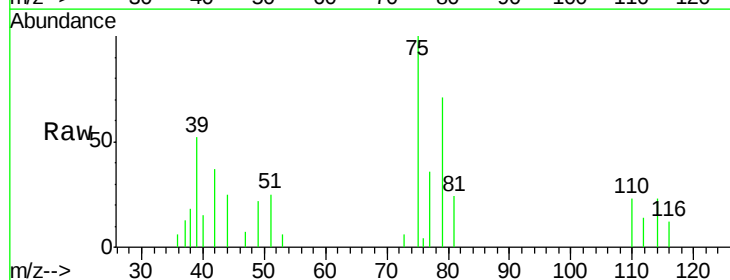
Acq: 29 Oct 2020 19:13

Tgt Ion: 75 Resp: 6133

Ion Ratio Lower Upper

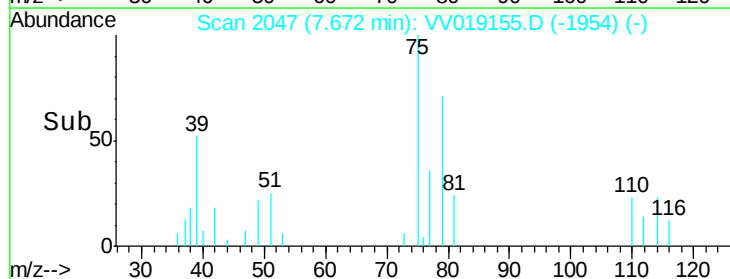
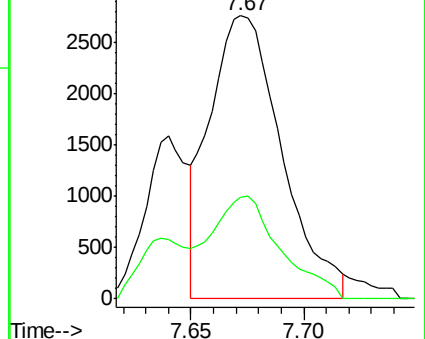
75 100

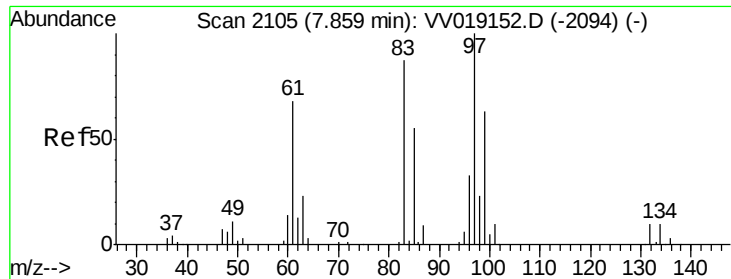
77 36.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019155.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV019155.D (-2030) (-)





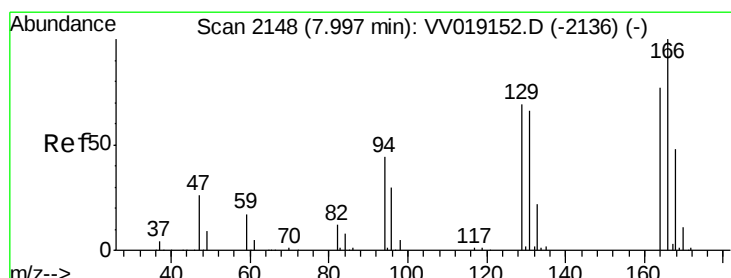
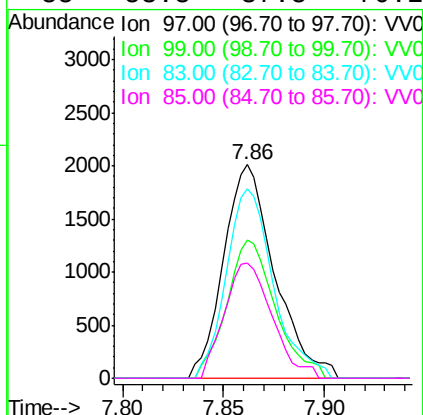
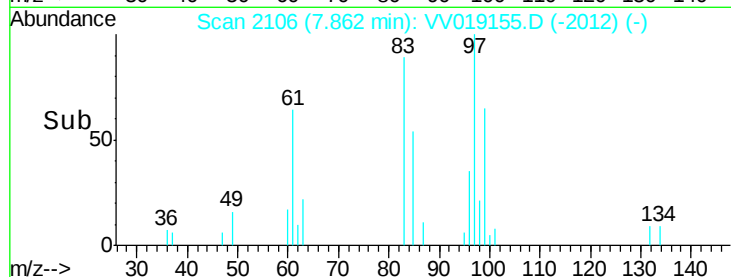
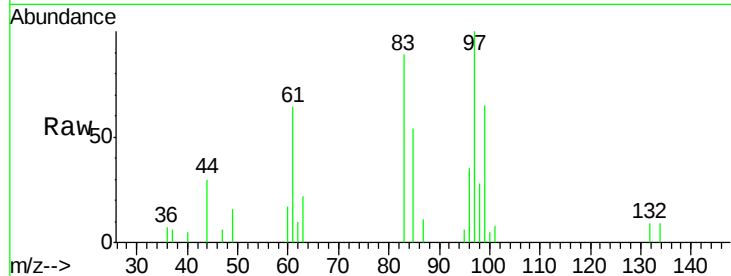
#45
1,1,2-Trichloroethane
Concen: 2.166 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:	97	Resp:	3559
Ion	Ratio	Lower	Upper
97	100		
99	65.0	43.1	80.1
83	88.6	58.3	108.3
85	53.8	37.8	70.2

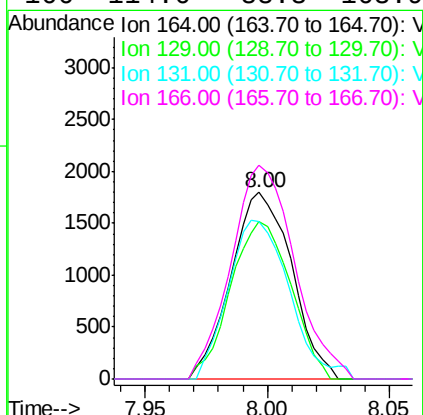
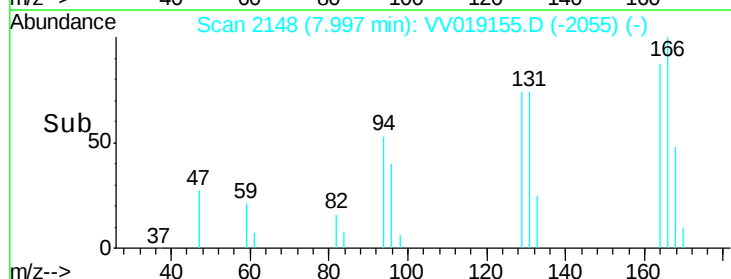
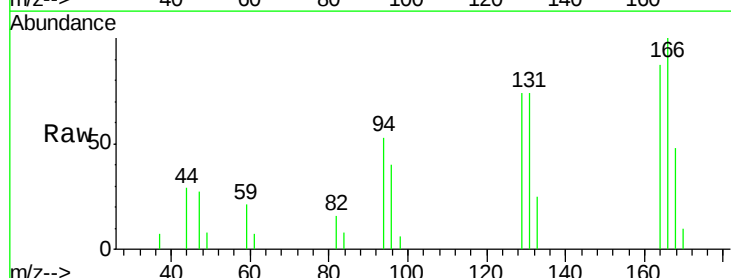
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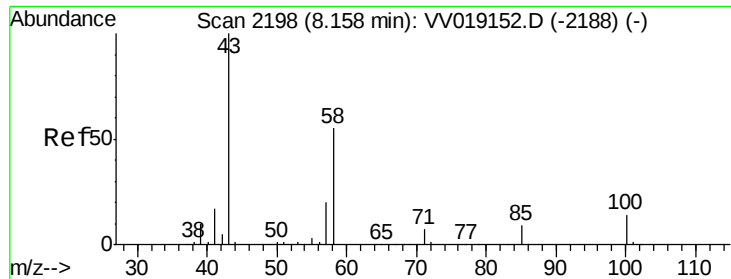
MMDadoda
11/2/2020 2:27:00 PM



#46
Tetrachloroethene
Concen: 2.014 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion:	164	Resp:	3109
Ion	Ratio	Lower	Upper
164	100		
129	84.4	63.2	117.4
131	84.4	60.3	112.1
166	114.6	88.3	163.9





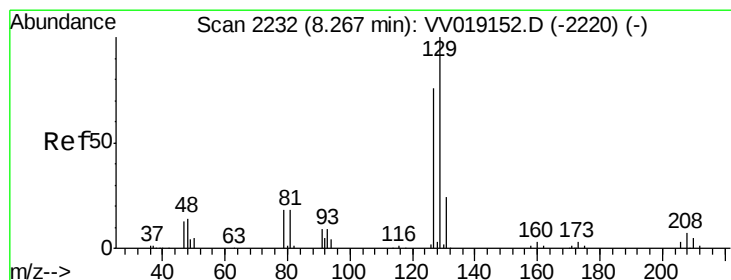
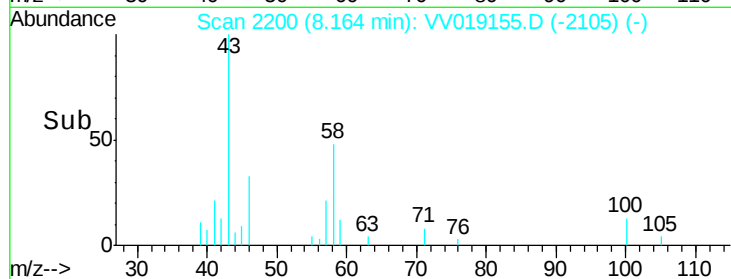
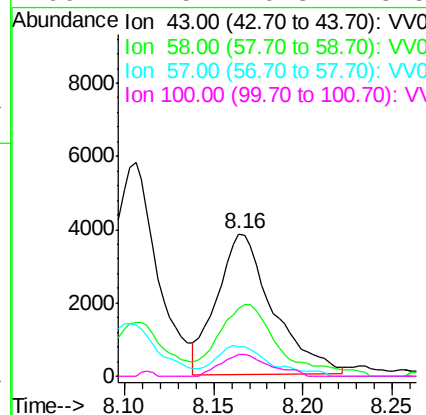
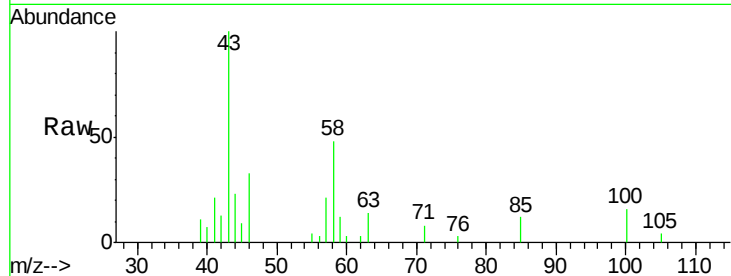
#48
2-Hexanone
Concen: 4.643 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	55.0	43.6	65.4	
57	12.5	16.0	24.0	
100	12.5	10.3	15.5	

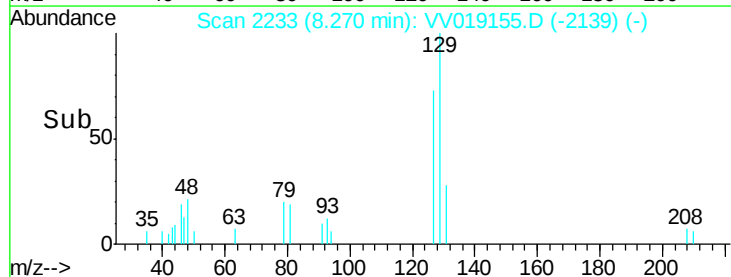
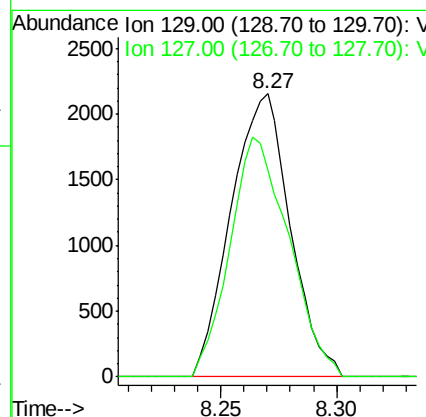
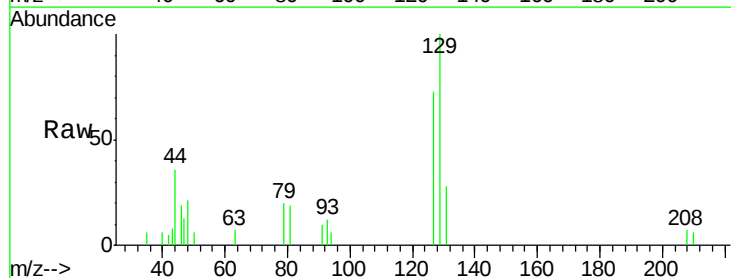
Manual Integrations
APPROVED

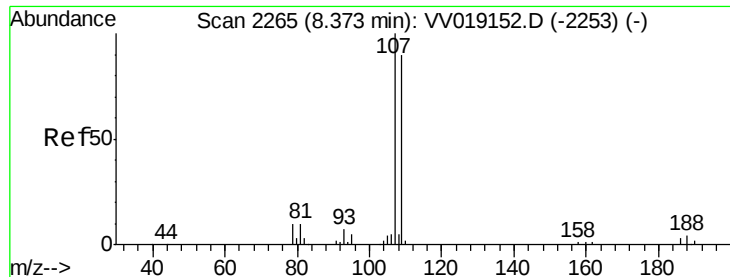
MMDadoda
11/2/2020 2:27:00 PM



#49
Dibromochloromethane
Concen: 1.923 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	72.9	54.7	101.5	





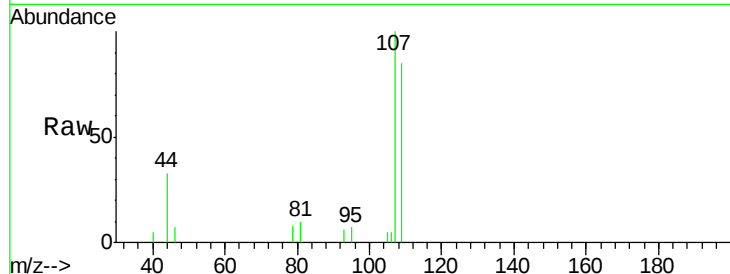
#50
 1,2-Dibromoethane
 Concen: 2.135 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	84.9	65.7	121.9
188	0.0	3.4	5.2#

Manual Integrations
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MMDadoda
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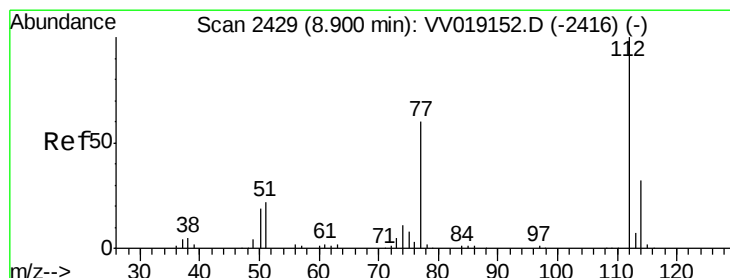
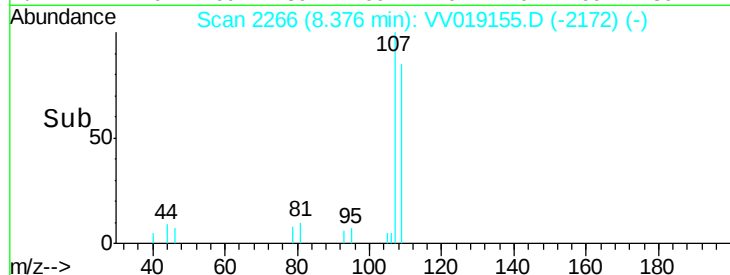
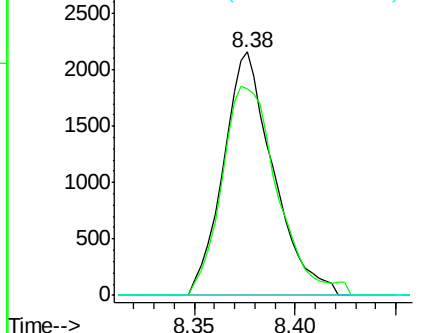


Abundance

Ion 107.00 (106.70 to 107.70): V

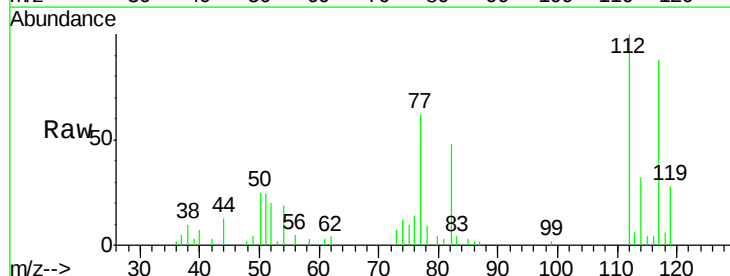
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 2.057 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.5
77	62.2	46.7	70.1

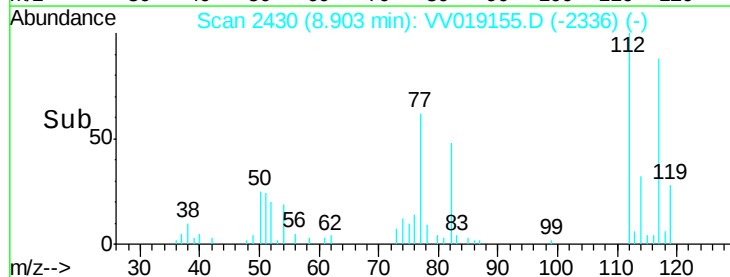
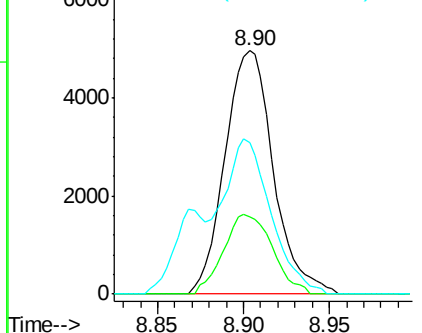


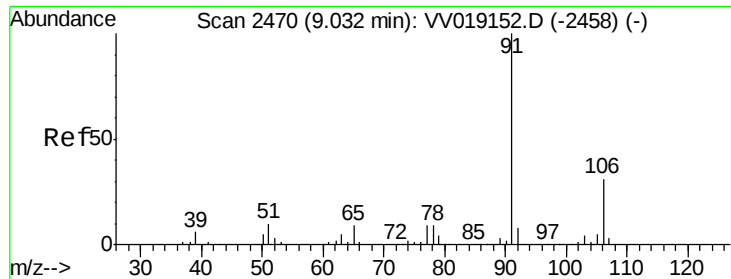
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 1.835 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 14626

Ion Ratio Lower Upper

91 100

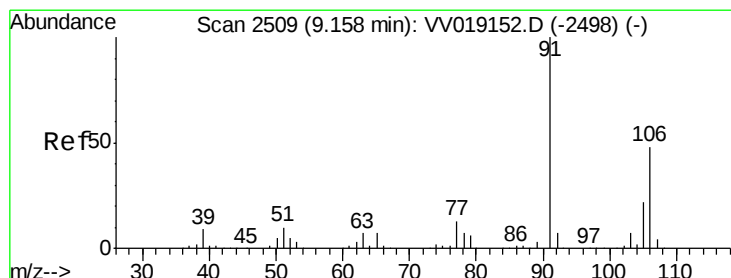
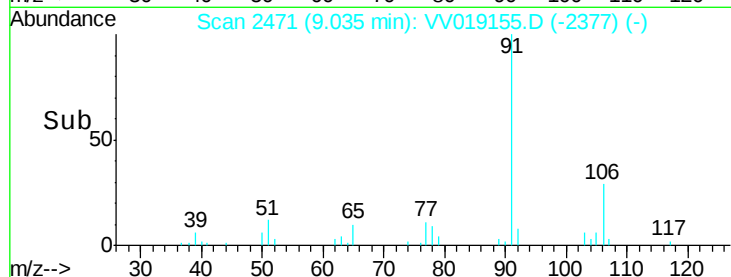
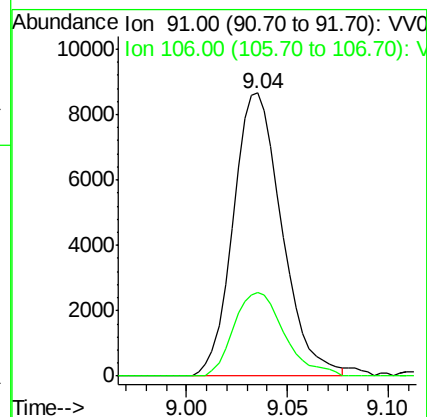
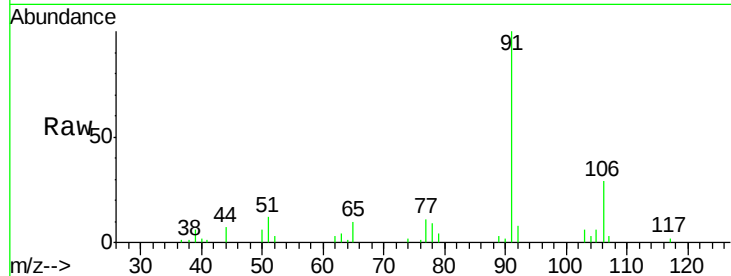
106 29.4 21.6 40.0

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#53

m,p-Xylene

Concen: 1.829 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019155.D

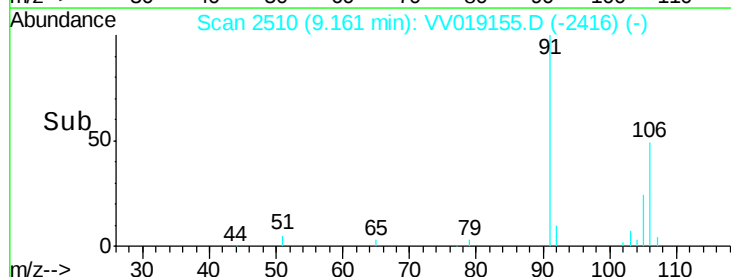
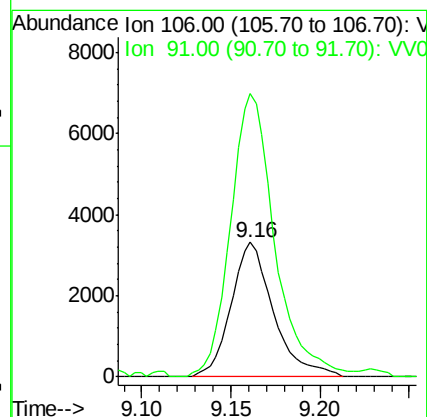
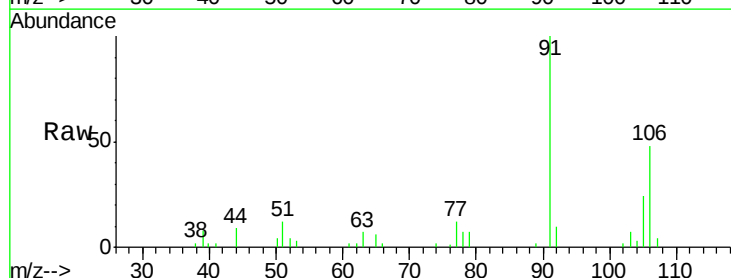
Acq: 29 Oct 2020 19:13

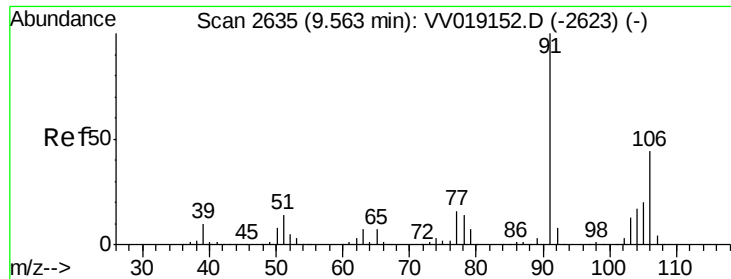
Tgt Ion: 106 Resp: 5506

Ion Ratio Lower Upper

106 100

91 210.2 145.4 270.0





#54

o-xylene

Concen: 1.796 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:106 Resp: 5190

Ion Ratio Lower Upper

106 100

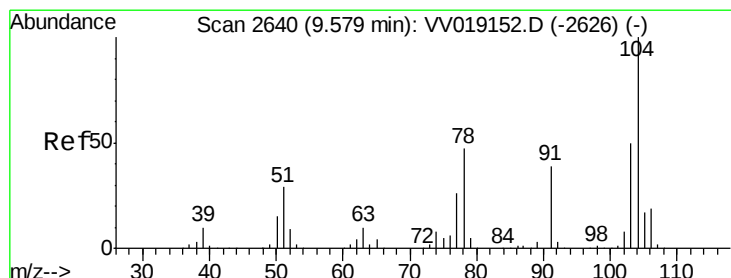
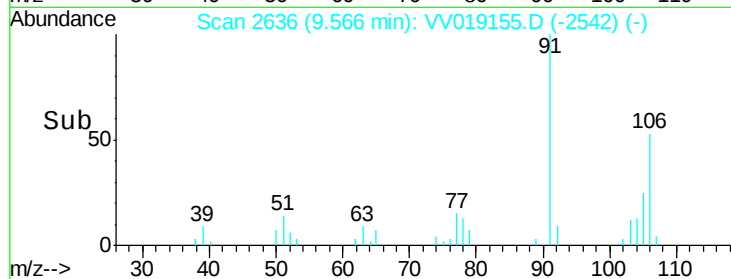
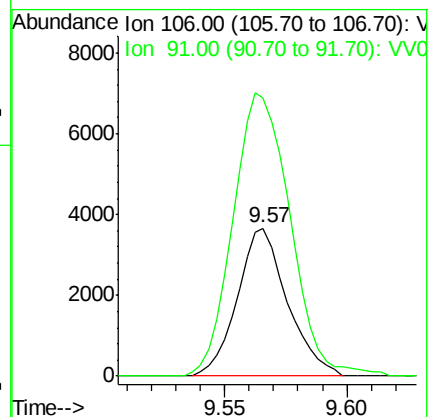
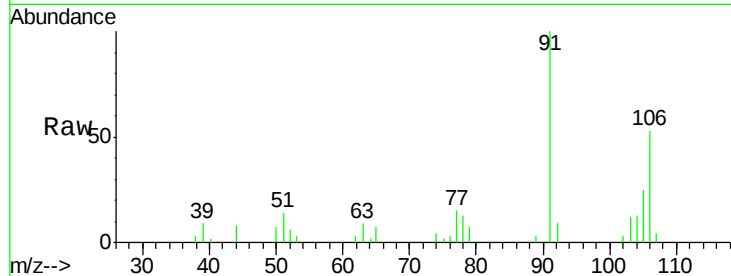
91 188.0 153.4 285.0

Manual Integrations

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MMDadoda

11/2/2020 2:27:00 PM



#55

Styrene

Concen: 1.716 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019155.D

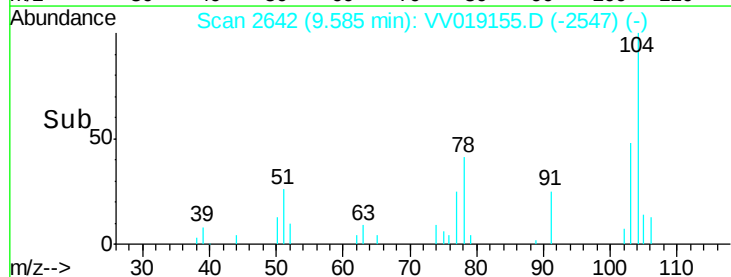
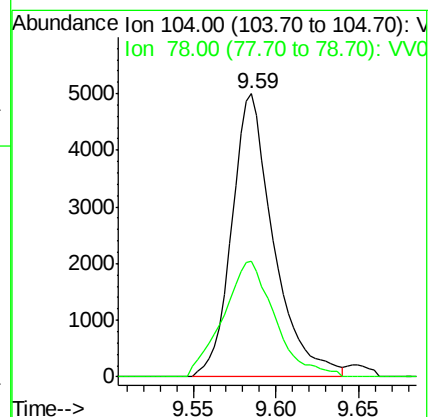
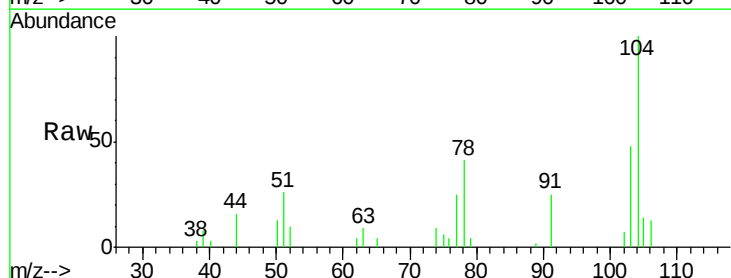
Acq: 29 Oct 2020 19:13

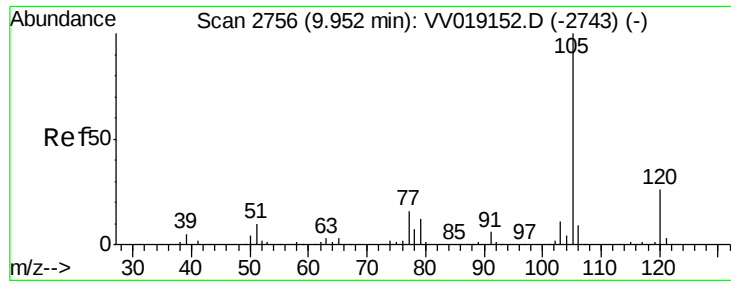
Tgt Ion:104 Resp: 8793

Ion Ratio Lower Upper

104 100

78 40.9 32.8 60.8





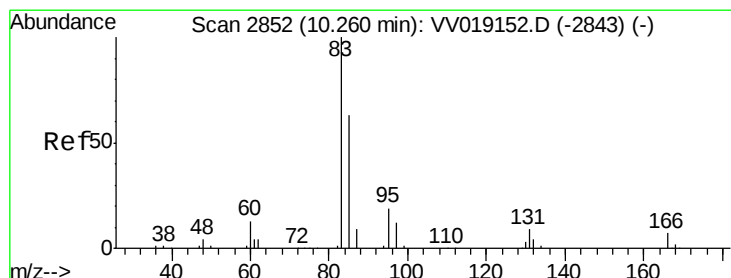
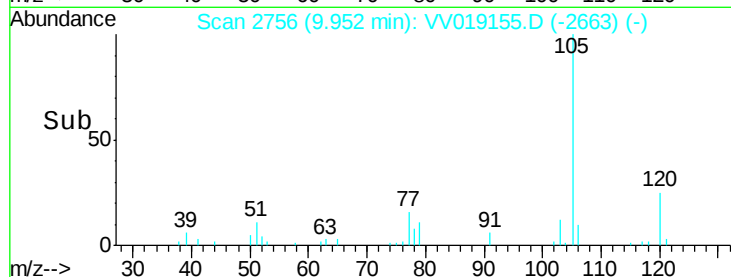
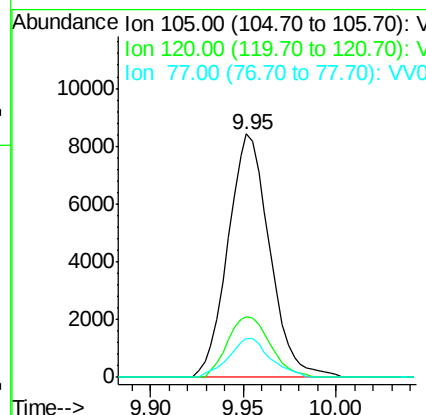
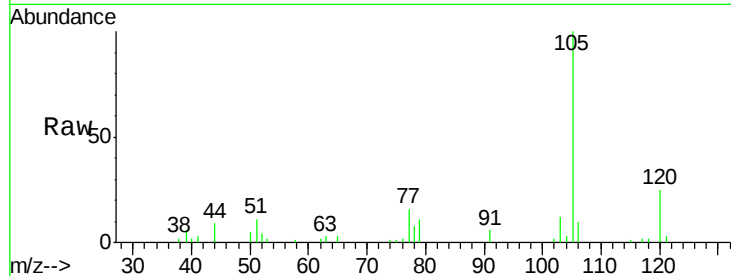
#56
Isopropylbenzene
Concen: 1.690 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	21.3	31.9
77	16.0	13.0	19.4

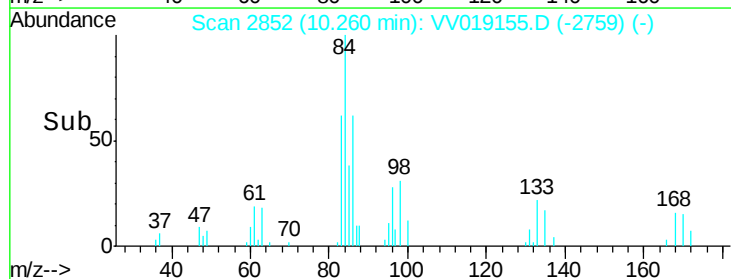
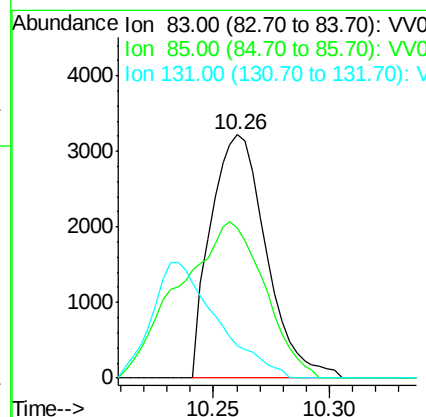
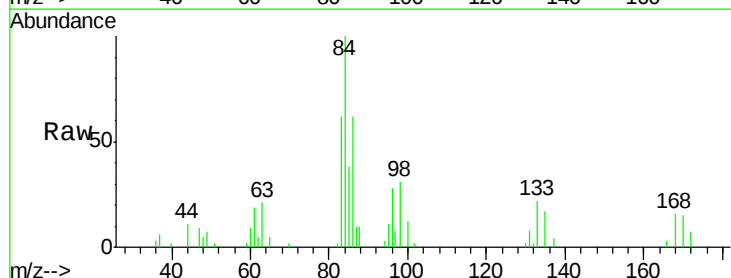
Manual Integrations
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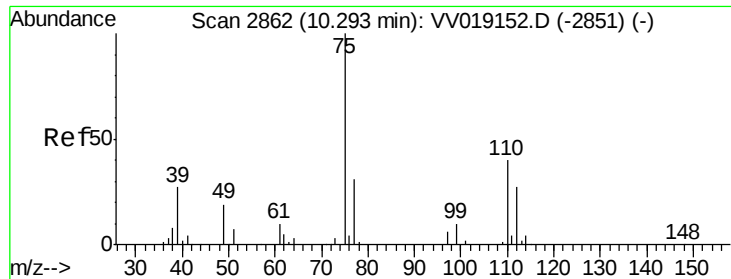
MMDadoda
11/2/2020 2:27:00 PM



#58
1,1,2,2-Tetrachloroethane
Concen: 2.137 ug/L
RT: 10.26 min Scan# 2852
Delta R.T. -0.00 min
Lab File: VV019155.D
Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	45.8	85.0
131	13.3	8.9	13.3





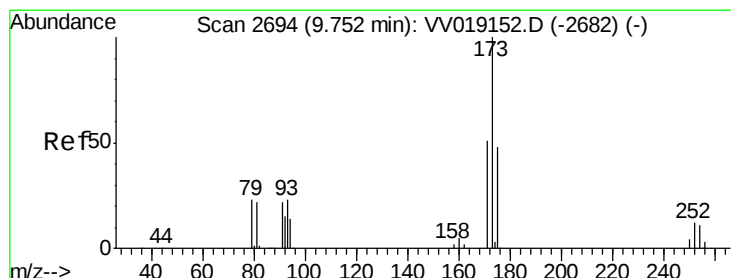
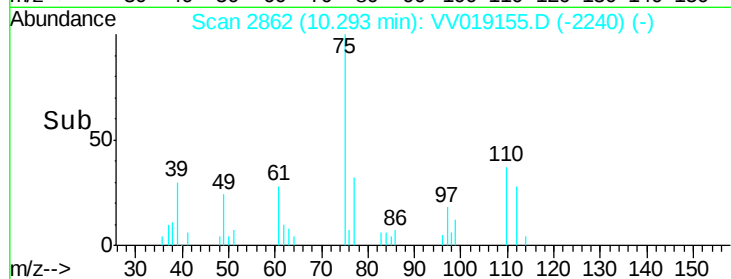
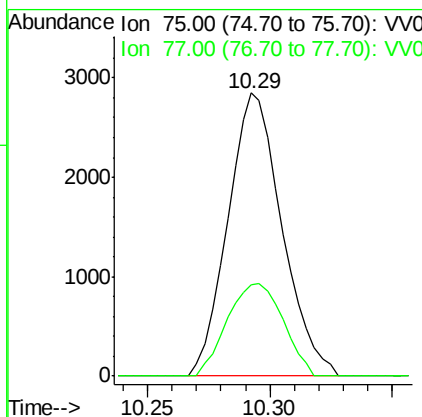
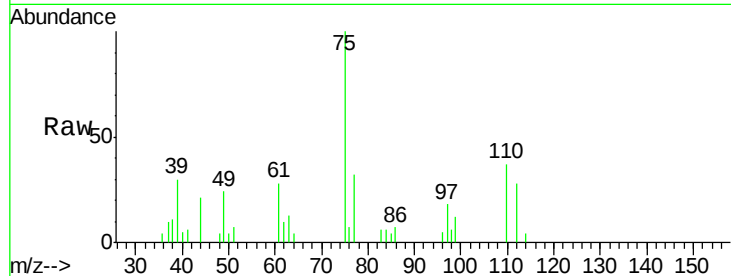
#59
 1,2,3-Trichloropropane
 Concen: 2.045 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 4380
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.4

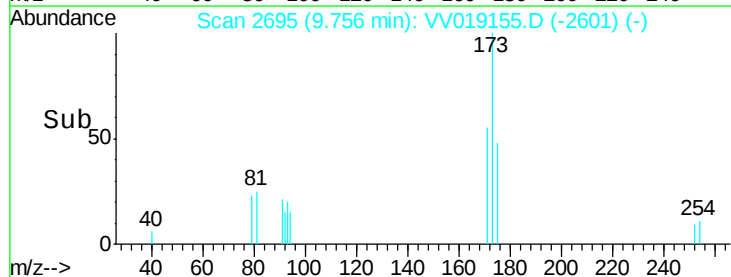
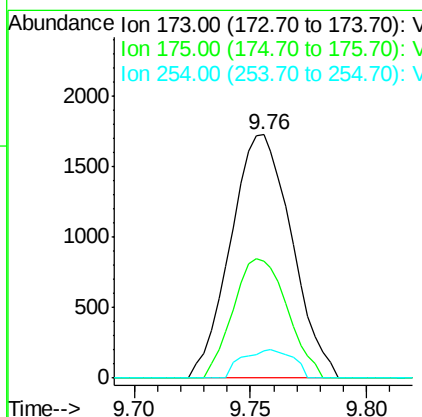
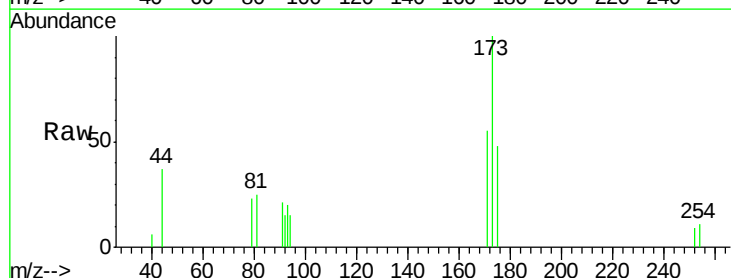
Manual Integrations
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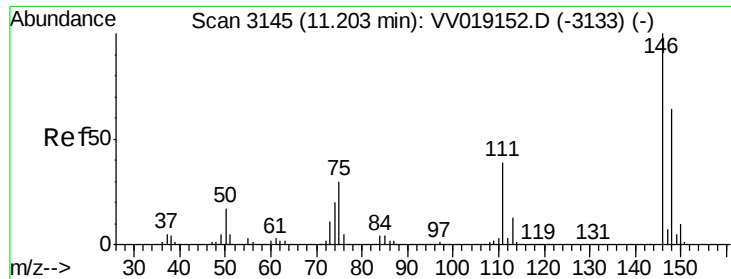
MMDadoda
 11/2/2020 2:27:00 PM



#61
 Bromoform
 Concen: 2.148 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion: 173 Resp: 3158
 Ion Ratio Lower Upper
 173 100
 175 43.7 39.8 59.6
 254 9.7 9.7 14.5#





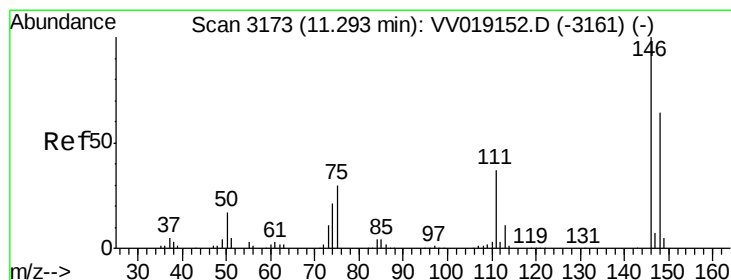
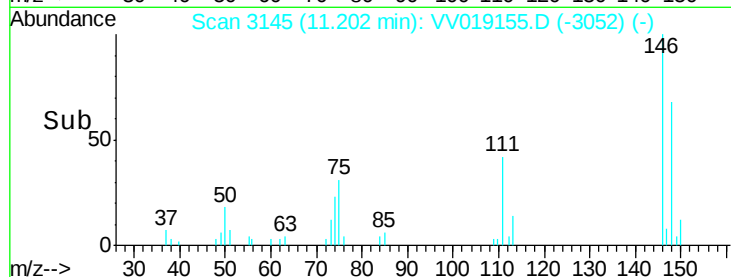
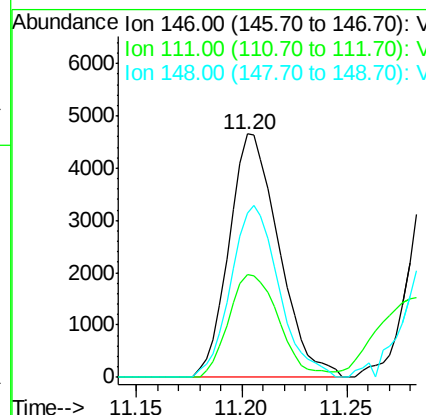
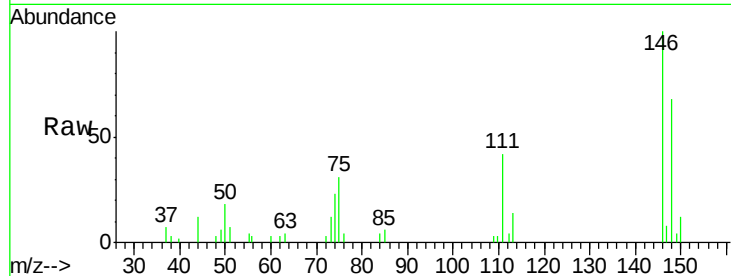
#62
 1,3-Dichlorobenzene
 Concen: 2.030 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	27.1	50.3
148	67.7	44.7	83.1

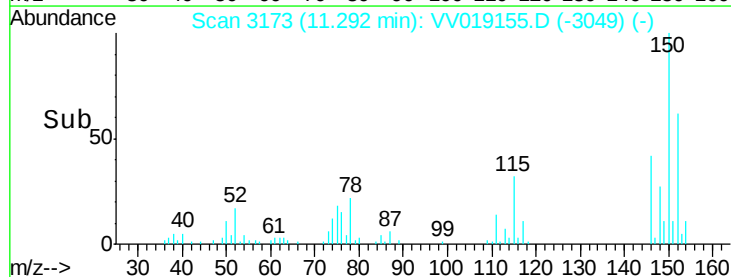
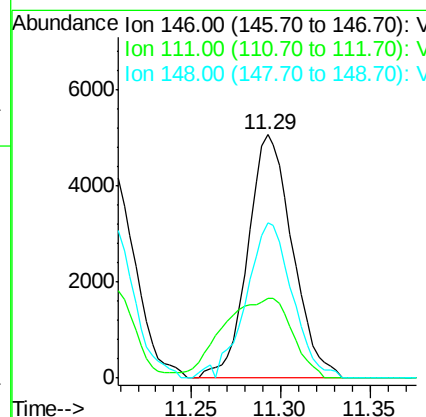
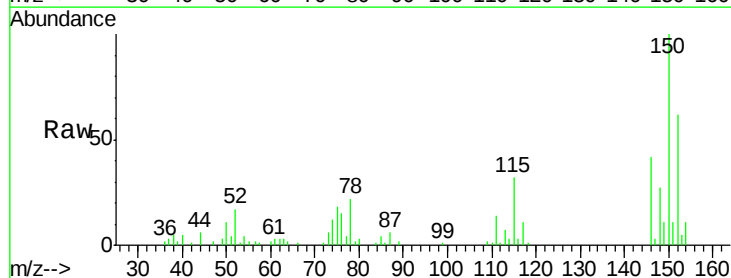
Manual Integrations
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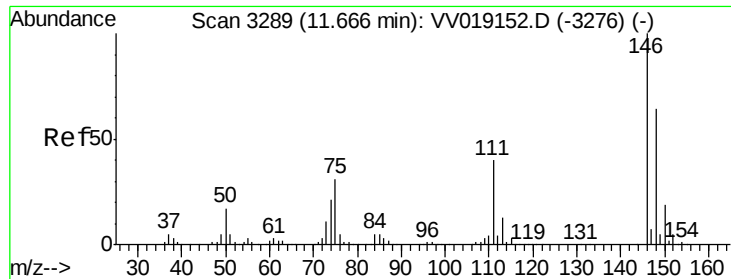
MMDadoda
 11/2/2020 2:27:00 PM



#63
 1,4-Dichlorobenzene
 Concen: 2.268 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	25.8	48.0
148	63.8	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 2.080 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

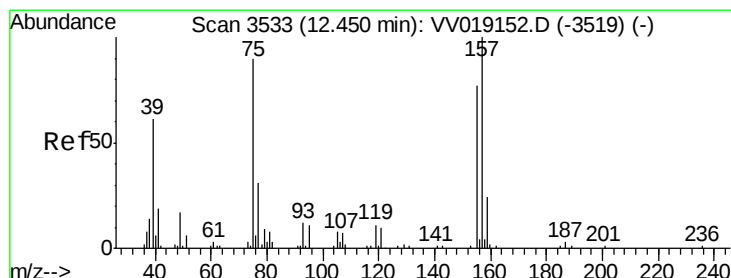
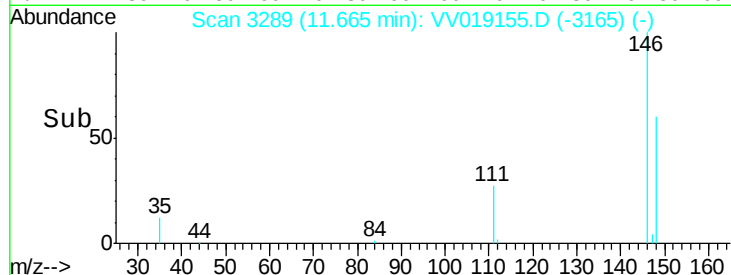
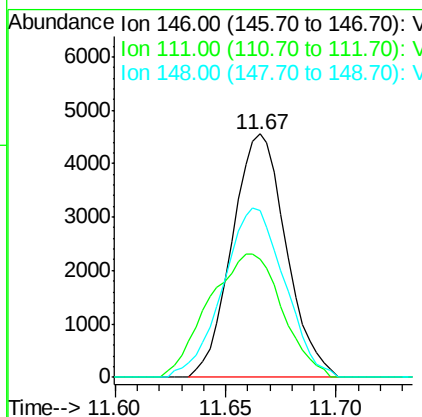
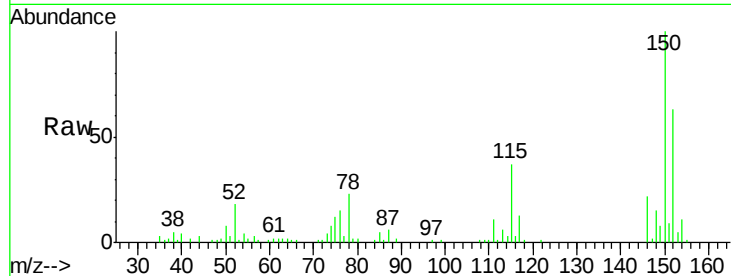
ClientSampleId :

MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	32.2	48.4#
148	68.3	50.8	76.2

Manual Integrations
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11/2/2020 2:27:00 PM



#66

1,2-Dibromo-3-chloropropane

Concen: 1.854 ug/L

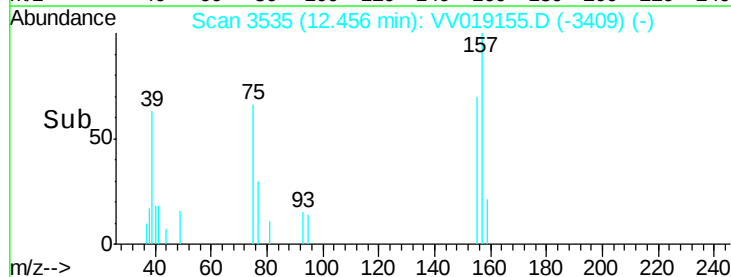
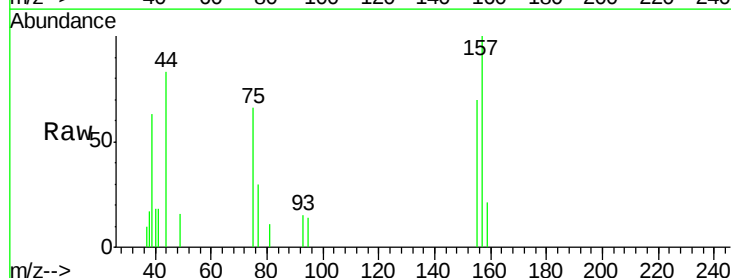
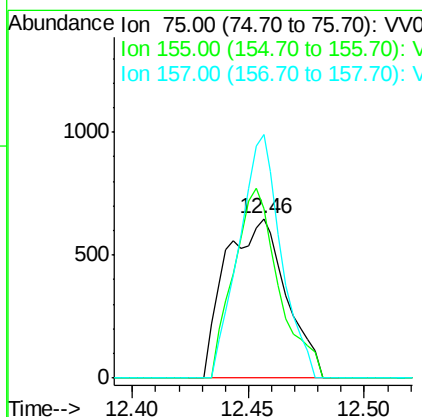
RT: 12.46 min Scan# 3535

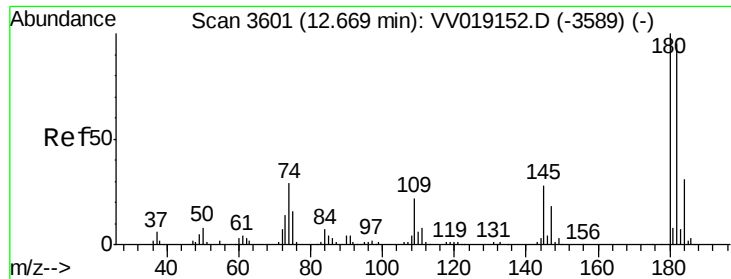
Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	71.1	106.7
157	152.5	90.5	135.7#





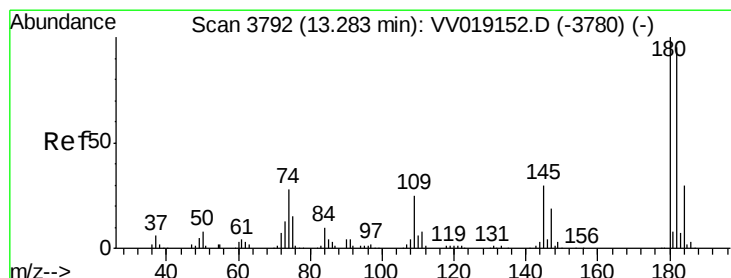
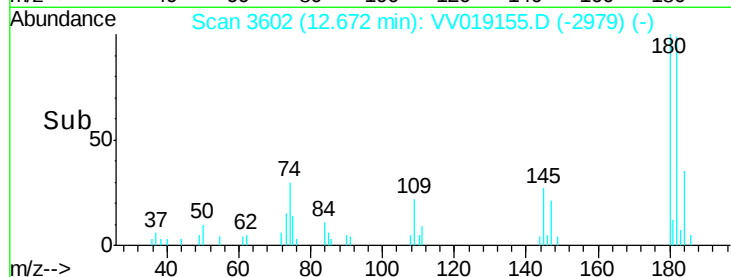
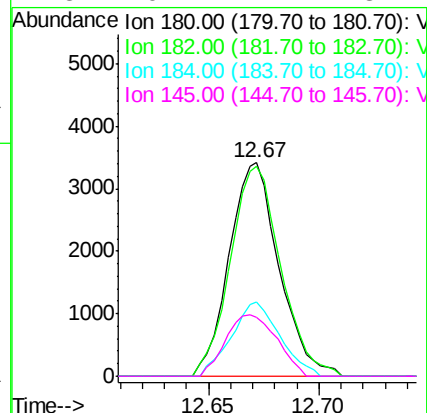
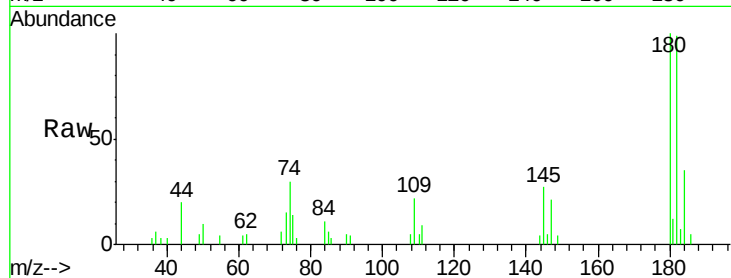
#67
 1,3,5-Trichlorobenzene
 Concen: 1.944 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.1	114.1
184	33.7	24.5	36.7
145	29.4	22.7	34.1

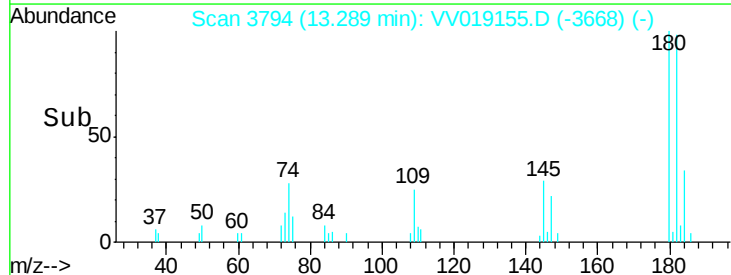
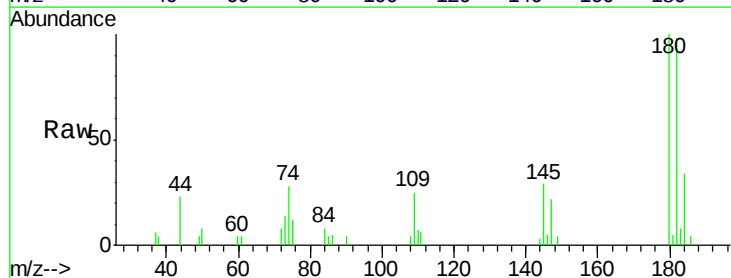
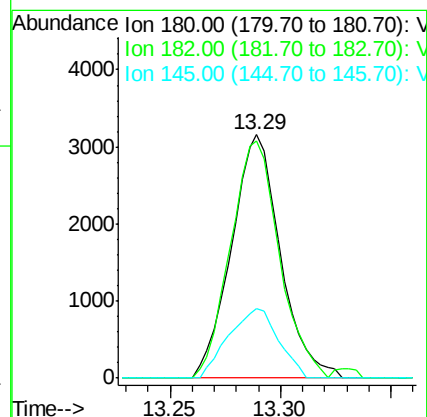
Manual Integrations
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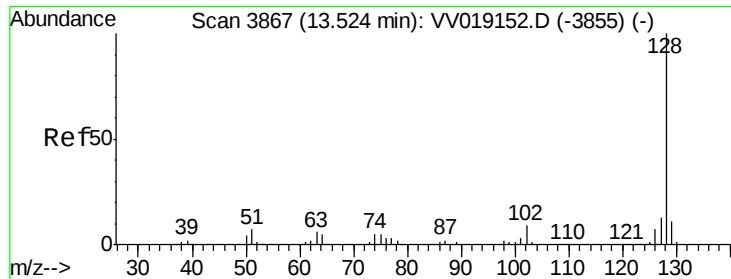
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 11/2/2020 2:27:00 PM



#68
 1,2,4-trichlorobenzene
 Concen: 1.878 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019155.D
 Acq: 29 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.8	113.6
145	29.0	22.6	34.0





#69

Naphthalene

Concen: 1.485 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion:128 Resp: 10785

Ion Ratio Lower Upper

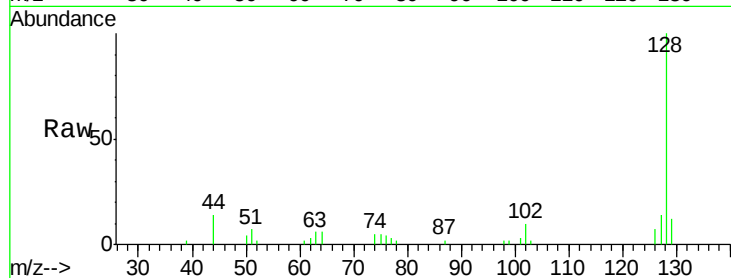
128 100

127 13.7 10.8 16.2

129 11.2 8.6 13.0

Manual Integrations
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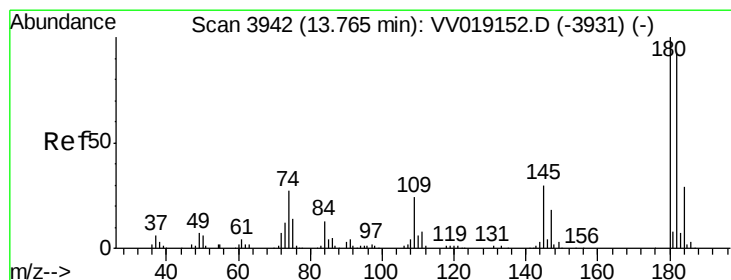
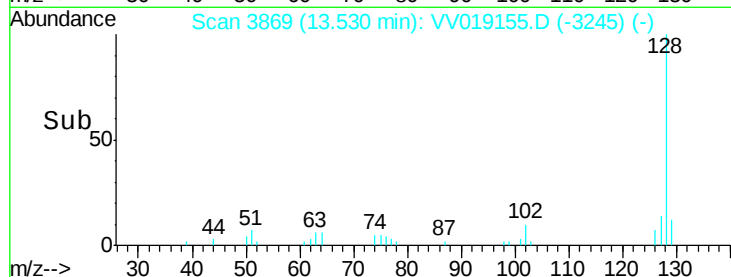
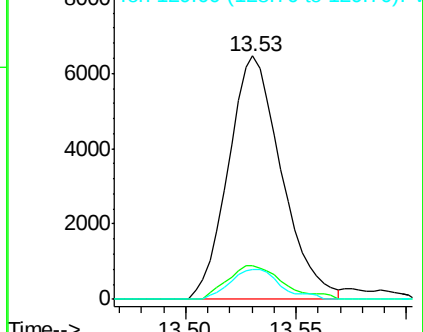
MMDadoda
11/2/2020 2:27:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.903 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019155.D

Acq: 29 Oct 2020 19:13

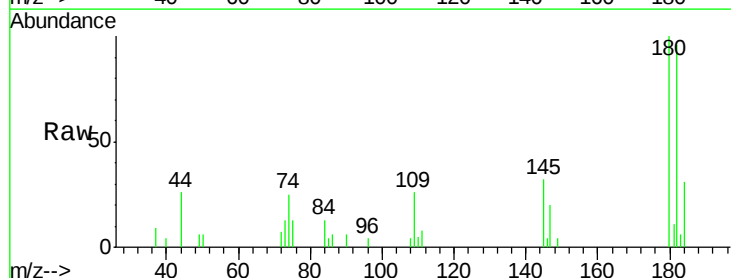
Tgt Ion:180 Resp: 4828

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 29.5 25.1 37.7



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

