

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019157.D
 Acq On : 29 Oct 2020 20:00
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:27:28 PM

Quant Time: Oct 30 05:03:32 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	232938	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	226897	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	115554	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87818	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.88%
7) Chloroethane-d5	1.58	69	70258	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.72%
11) 1,1-Dichloroethene-d2	2.12	63	131349	37.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.60%
21) 2-Butanone-d5	3.91	46	117972	104.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.05%
24) Chloroform-d	4.38	84	166983	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
26) 1,2-Dichloroethane-d4	5.05	65	121705	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.07	84	320147	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.09	67	97205	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.30%
41) Toluene-d8	7.34	98	297917	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%
43) trans-1,3-Dichloropropene-	7.64	79	52606	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.11	63	84043	101.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	125882	48.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	125051	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4593	2.246 ug/L	100
3) Chloromethane	1.25	50	4831	2.601 ug/L	98
5) Vinyl chloride	1.32	62	4980	2.619 ug/L #	60
6) Bromomethane	1.53	94	2992	2.349 ug/L	94
8) Chloroethane	1.60	64	3305	2.795 ug/L	87
9) Trichlorofluoromethane	1.77	101	7390	2.332 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4163	2.729 ug/L	85
12) 1,1-Dichloroethene	2.13	96	4490	3.006 ug/L #	1
13) Acetone	2.20	43	4792	4.549 ug/L	65
14) Carbon disulfide	2.31	76	11548	2.432 ug/L	96
15) Methyl Acetate	2.46	43	4134	2.435 ug/L #	86
16) Methylene chloride	2.53	84	4630	2.730 ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	3835	2.390 ug/L	95
18) Methyl tert-butyl Ether	2.79	73	11787	2.194 ug/L #	89
19) 1,1-Dichloroethane	3.22	63	7316	2.448 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4133m	2.347 ug/L	
22) 2-Butanone	4.03	43	4739m	4.131 ug/L	

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

23) Bromochloromethane	4.28	128	2155	2.281	ug/L	93
25) Chloroform	4.40	83	9124	2.825	ug/L	98
27) 1,2-Dichloroethane	5.17	62	6982m	2.539	ug/L	
29) Cyclohexane	4.71	56	5126	2.024	ug/L	95
30) 1,1,1-Trichloroethane	4.64	97	6940	2.257	ug/L	97
31) Carbon tetrachloride	4.86	117	5745	2.107	ug/L	92
33) Benzene	5.13	78	14669	2.242	ug/L	100
34) Trichloroethene	5.95	95	3917	2.186	ug/L	91
35) Methylcyclohexane	6.15	83	4572	1.890	ug/L	94
37) 1,2-Dichloropropane	6.20	63	3863	2.378	ug/L #	94
38) Bromodichloromethane	6.54	83	5735	2.373	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	6425	2.394	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	9717	4.336	ug/L	99
42) Toluene	7.41	91	21262	2.965	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	6652m	2.383	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	3863	2.371	ug/L	99
46) Tetrachloroethene	8.00	164	3361	2.196	ug/L	96
48) 2-Hexanone	8.16	43	9884	5.548	ug/L #	87
49) Dibromochloromethane	8.27	129	4198	2.128	ug/L	96
50) 1,2-Dibromoethane	8.38	107	3893	2.239	ug/L #	91
51) Chlorobenzene	8.90	112	10703	2.276	ug/L	97
52) Ethylbenzene	9.04	91	16622	2.103	ug/L	97
53) m,p-Xylene	9.16	106	6366	2.133	ug/L	87
54) o-xylene	9.57	106	5684	1.983	ug/L	100
55) Styrene	9.59	104	9961	1.961	ug/L	98
56) Isopropylbenzene	9.95	105	14831	1.926	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5992	2.415	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	4968	2.339	ug/L	99
61) Bromoform	9.76	173	3698	2.594	ug/L #	92
62) 1,3-Dichlorobenzene	11.21	146	8316	2.282	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	9073	2.395	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	9226	2.555	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.45	75	1426	2.308	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	6148	2.291	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	5241	2.085	ug/L	96
69) Naphthalene	13.53	128	12914	1.834	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5441	2.212	ug/L	96

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

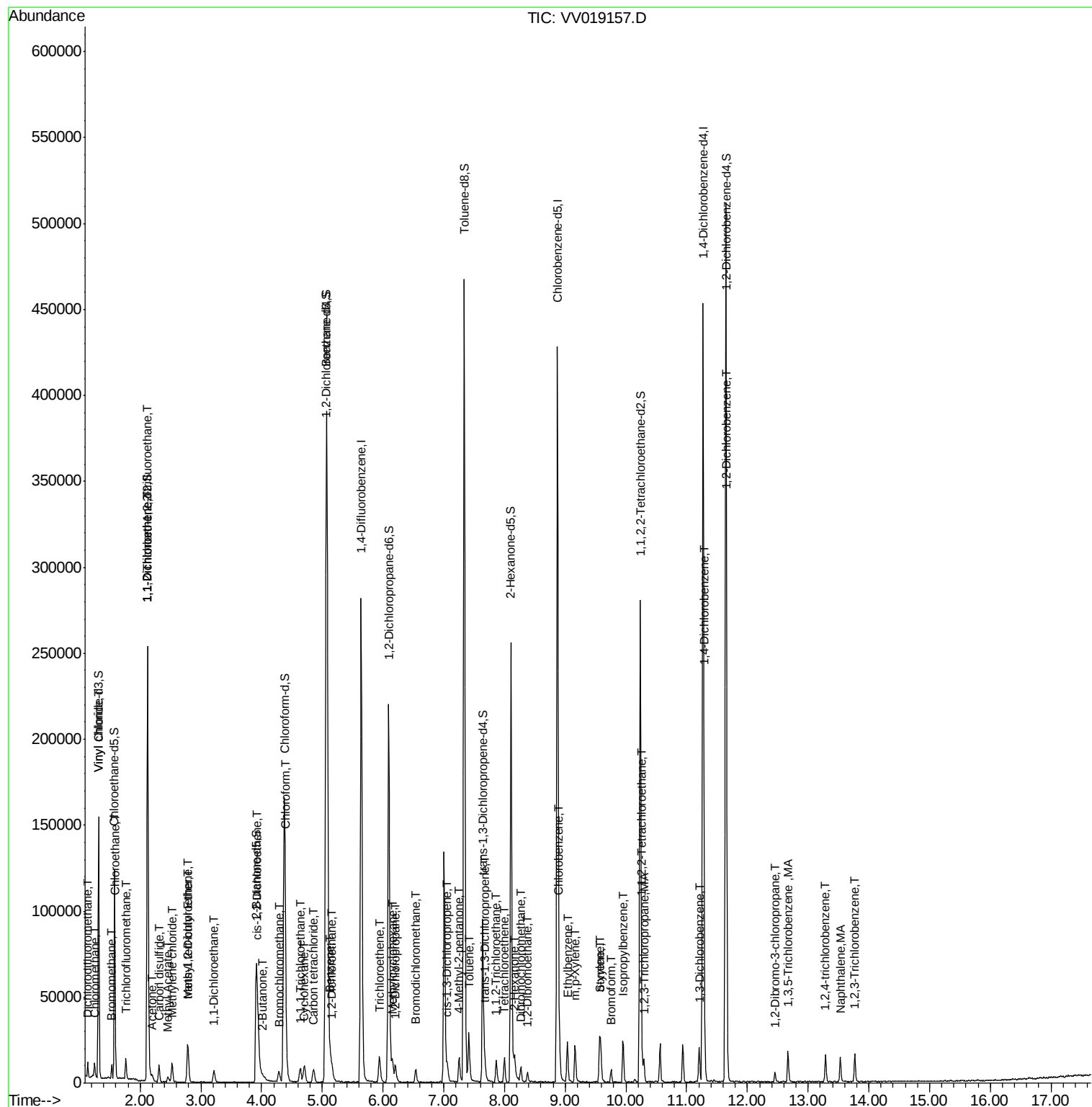
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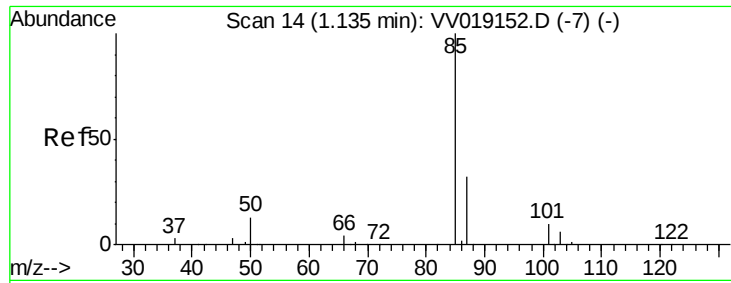
Instrument :
MSVOA_V
ClientSampleId :
MDL03

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.246 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 4593

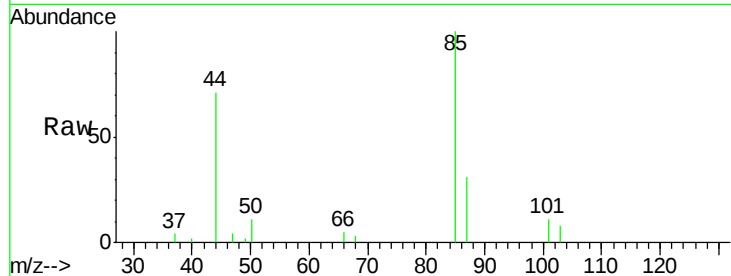
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9

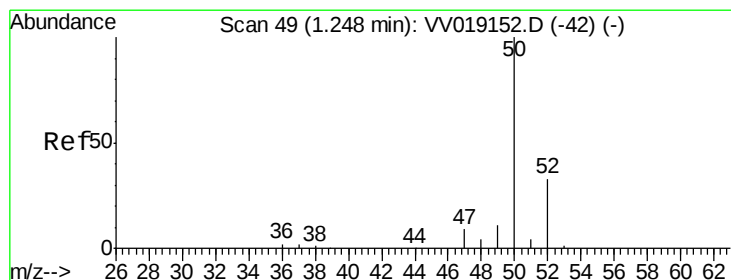
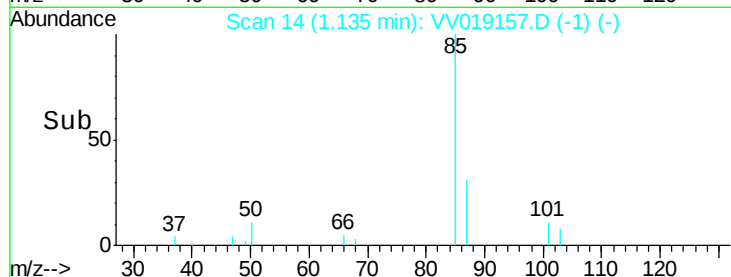
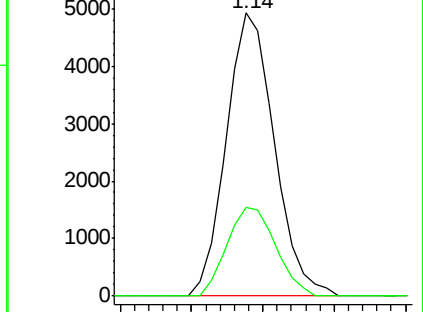
Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VV019152.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019157.D (-1) (-)



#3

Chloromethane

Concen: 2.601 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019157.D

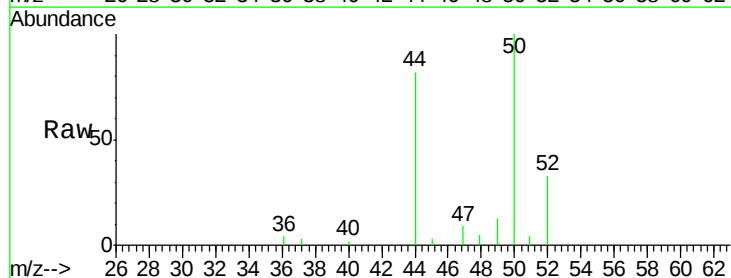
Acq: 29 Oct 2020 20:00

Tgt Ion: 50 Resp: 4831

Ion Ratio Lower Upper

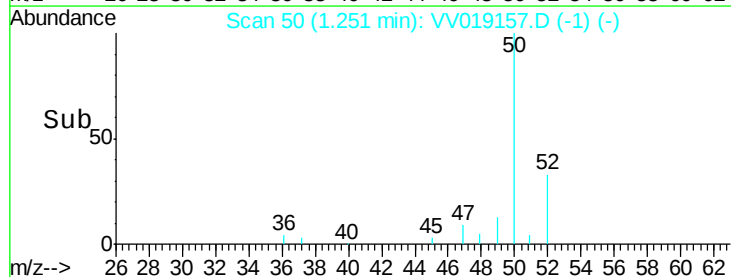
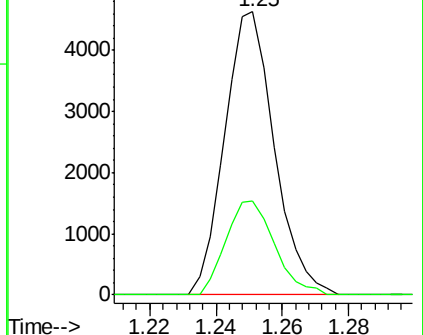
50 100

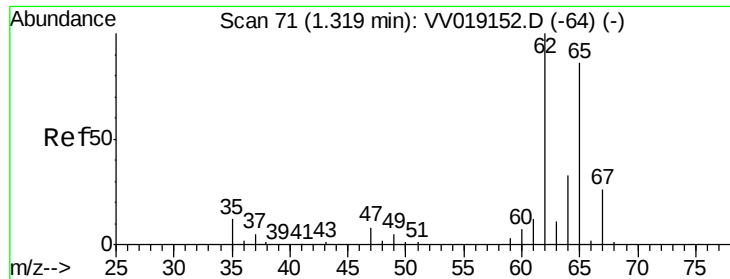
52 33.0 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019152.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019157.D (-1) (-)





#5

Vinyl chloride

Concen: 2.619 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4980

Ion Ratio Lower Upper

62 100

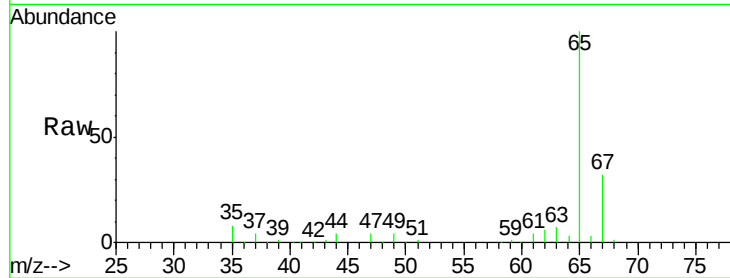
64 55.1 22.7 42.3#

Manual Integrations

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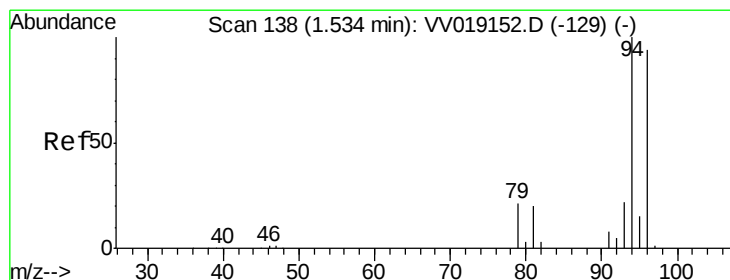
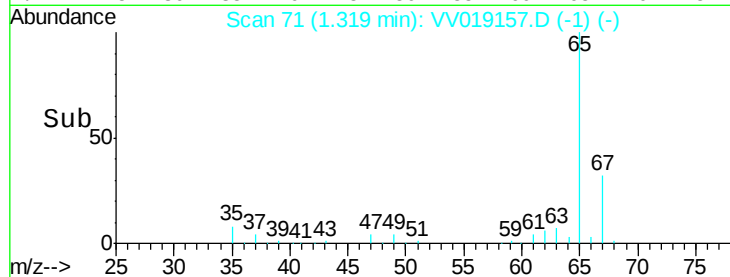
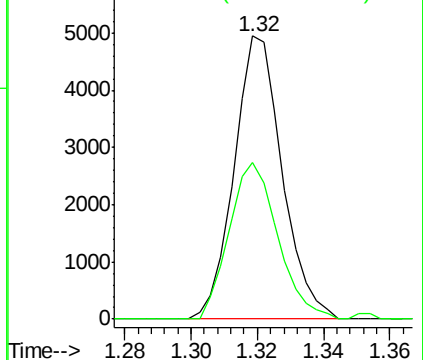
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.349 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019157.D

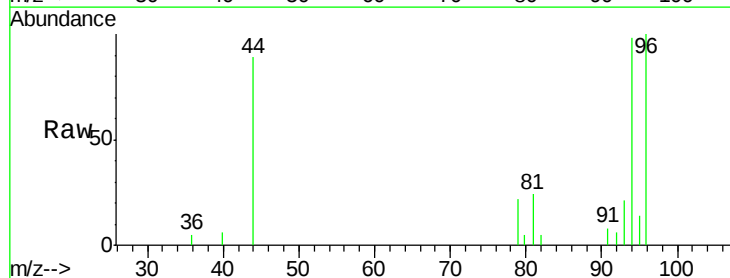
Acq: 29 Oct 2020 20:00

Tgt Ion: 94 Resp: 2992

Ion Ratio Lower Upper

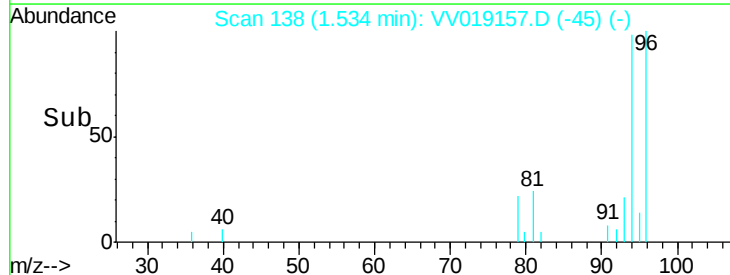
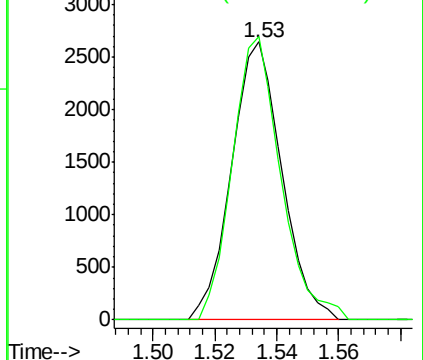
94 100

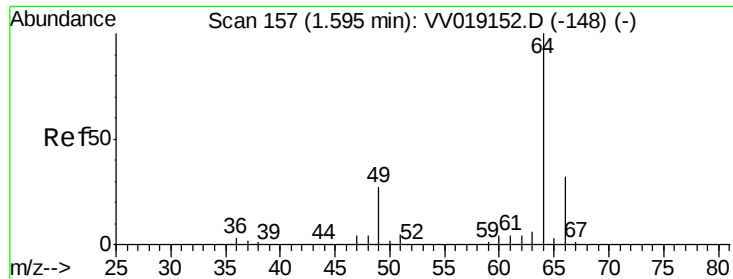
96 101.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.795 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 64 Resp: 3305

Ion Ratio Lower Upper

64 100

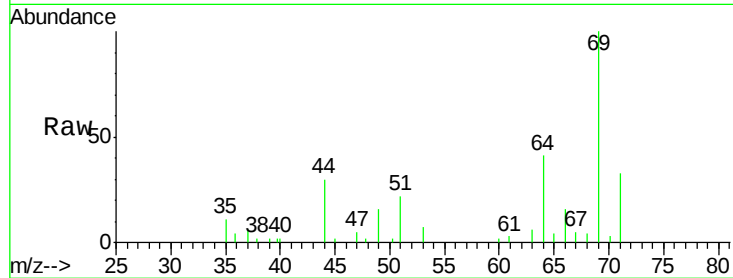
66 38.6 22.0 40.8

Manual Integrations

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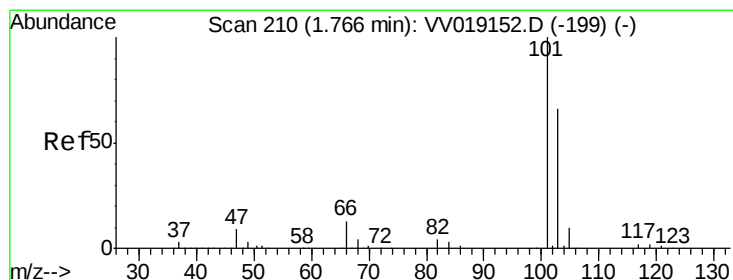
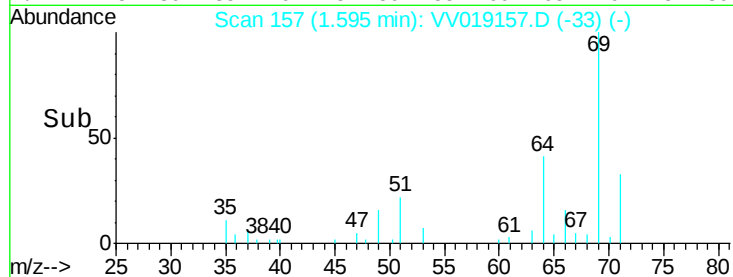
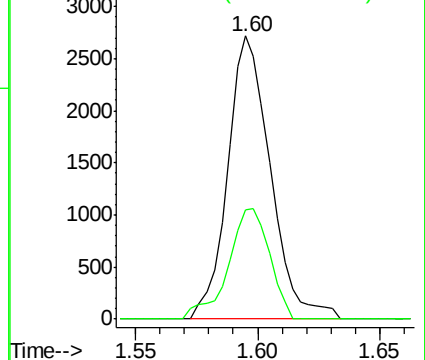
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Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 2.332 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019157.D

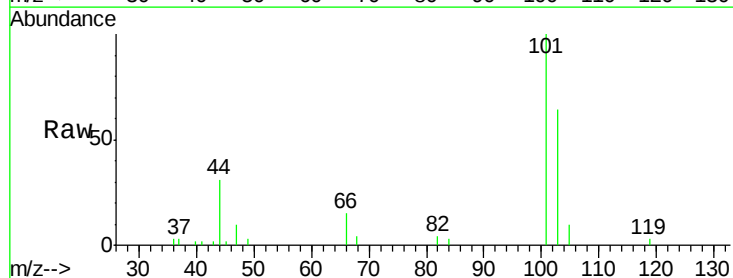
Acq: 29 Oct 2020 20:00

Tgt Ion: 101 Resp: 7390

Ion Ratio Lower Upper

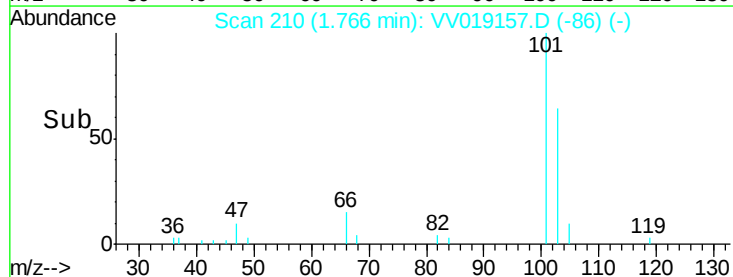
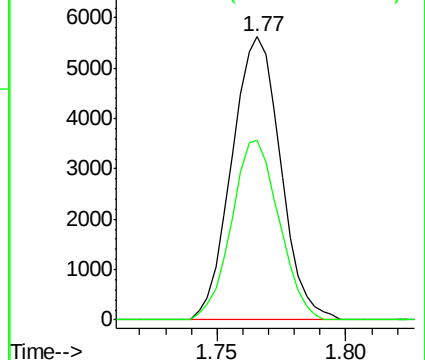
101 100

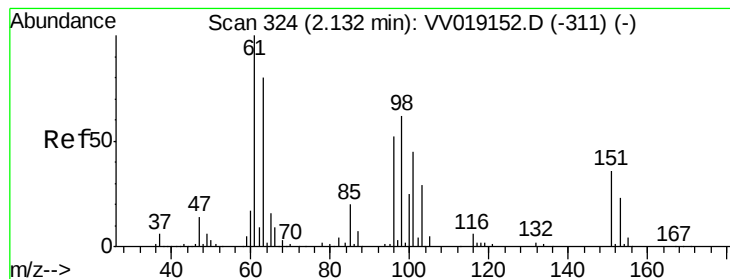
103 61.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.729 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

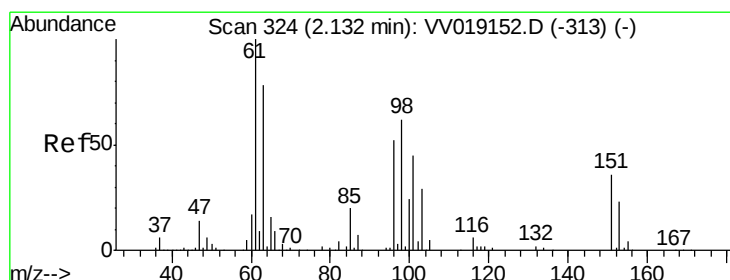
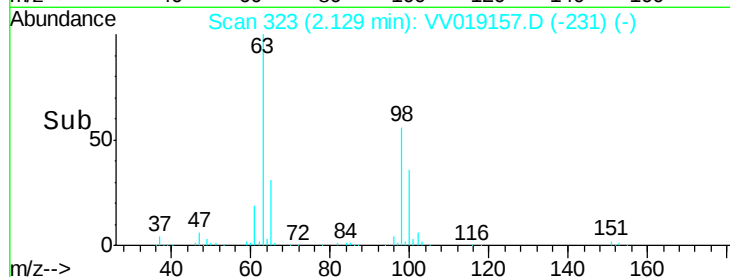
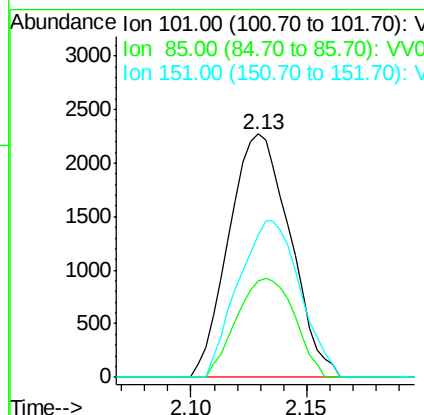
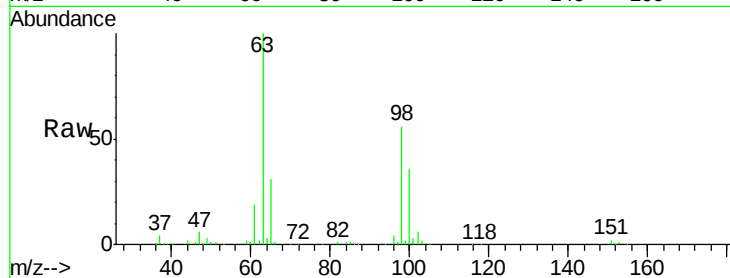
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4163
Ion Ratio	Lower	Upper	
101	100		
85	38.5	36.1	54.1
151	65.0	65.0	97.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.006 ug/L

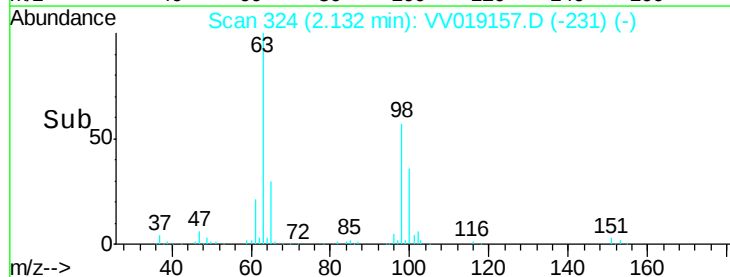
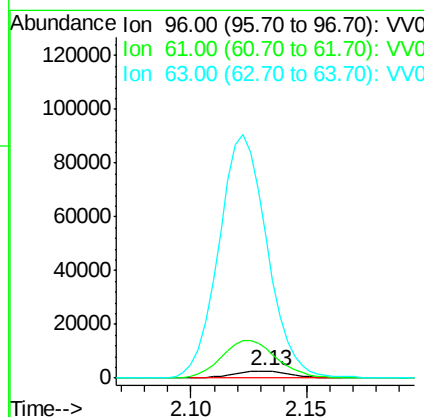
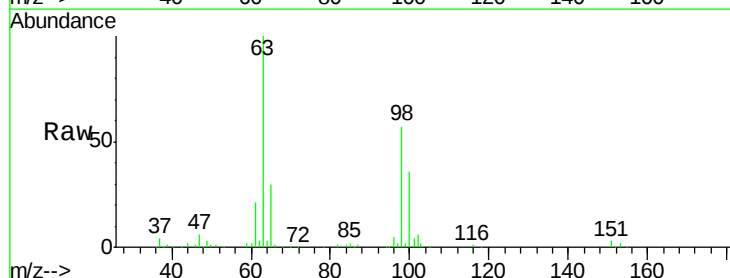
RT: 2.13 min Scan# 324

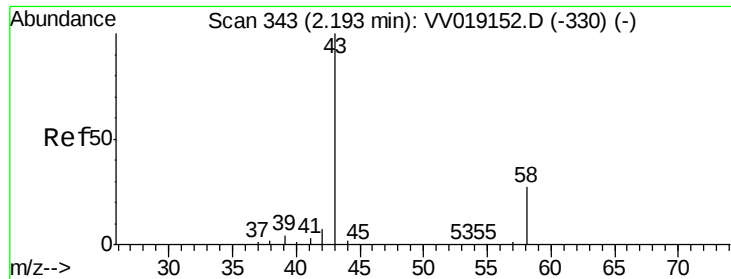
Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion:	96	Resp:	4490
Ion Ratio	Lower	Upper	
96	100		
61	404.6	132.6	246.2#
63	1952.1	108.4	201.4#





#13

Acetone

Concen: 4.549 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 43 Resp: 4792

Ion Ratio Lower Upper

43 100

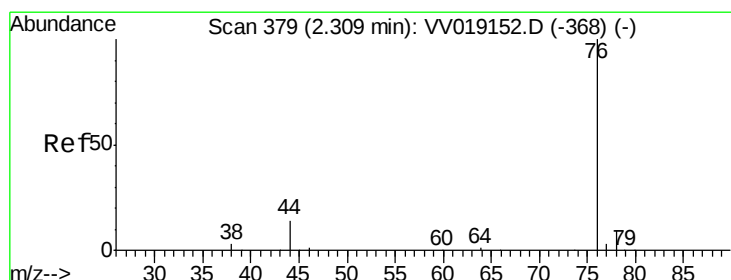
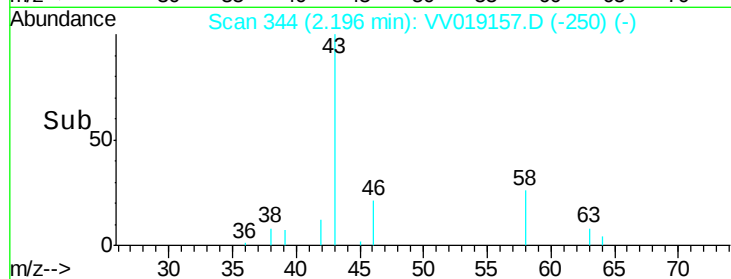
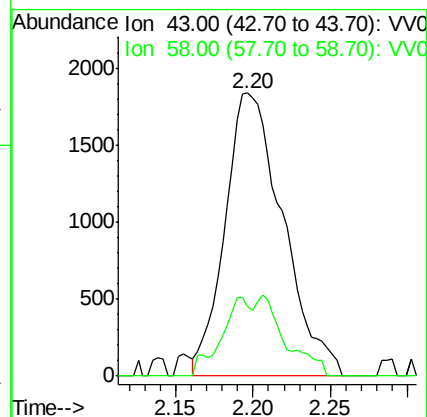
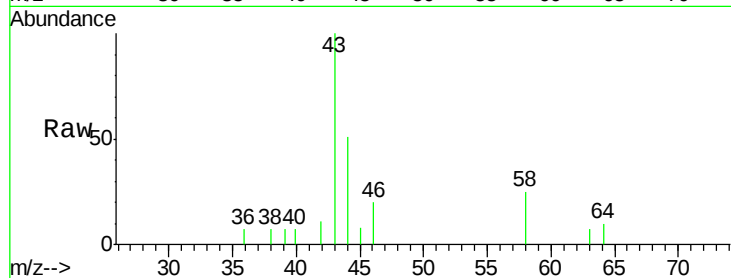
58 11.0 0.0 59.4

Manual Integrations

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#14

Carbon disulfide

Concen: 2.432 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019157.D

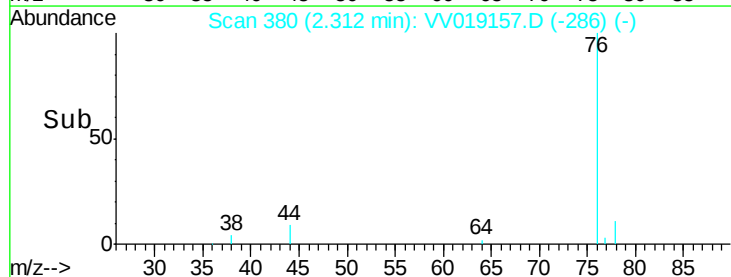
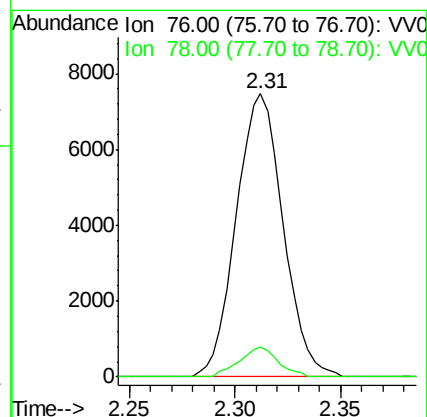
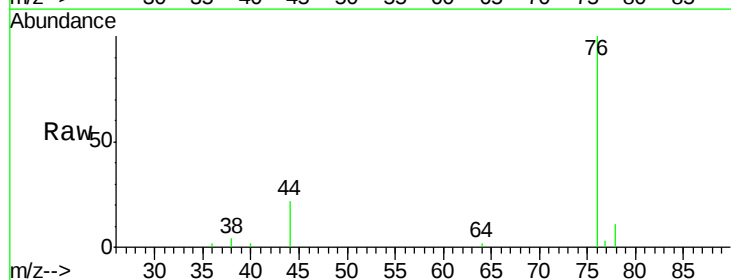
Acq: 29 Oct 2020 20:00

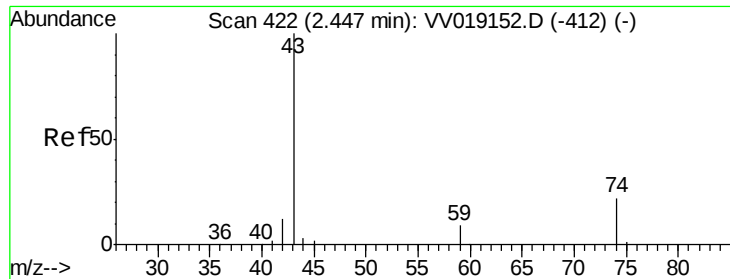
Tgt Ion: 76 Resp: 11548

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0





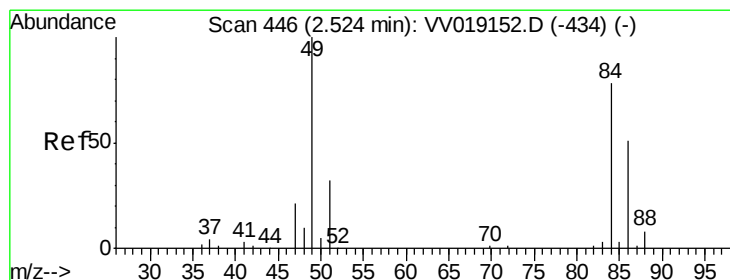
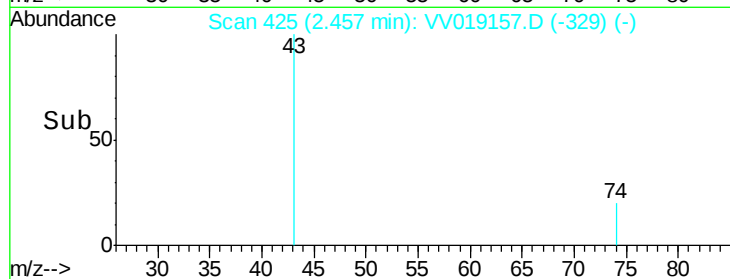
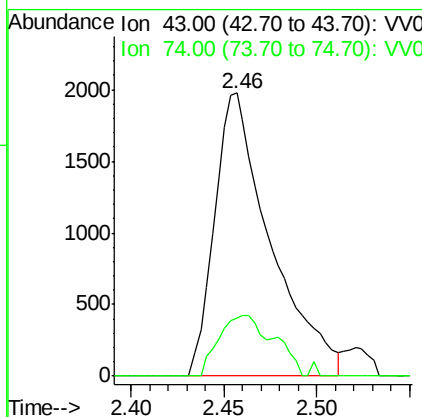
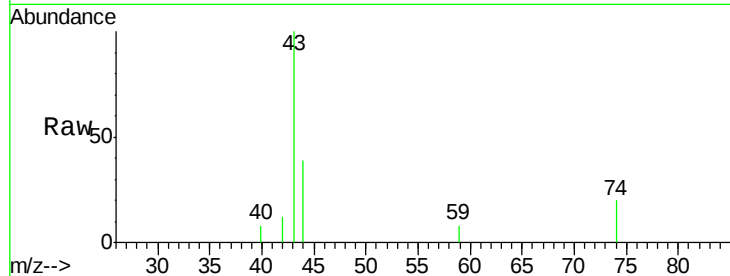
#15
Methyl Acetate
Concen: 2.435 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 43 Resp: 4134
Ion Ratio Lower Upper
43 100
74 16.3 18.4 27.6#

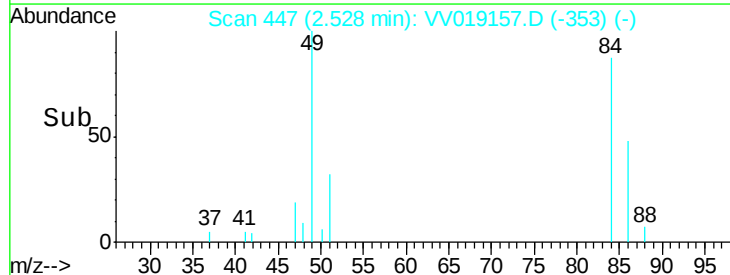
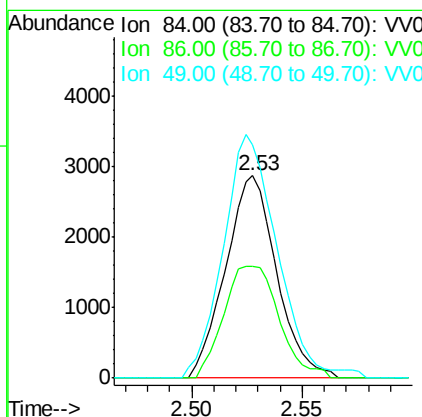
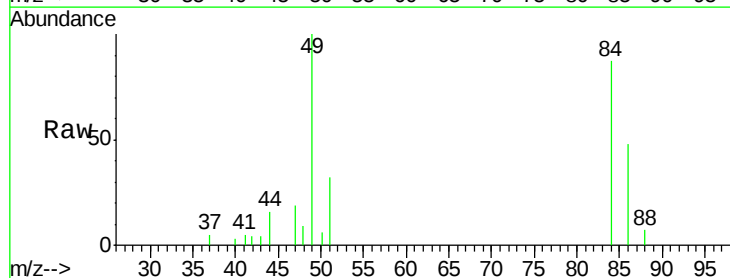
Manual Integrations
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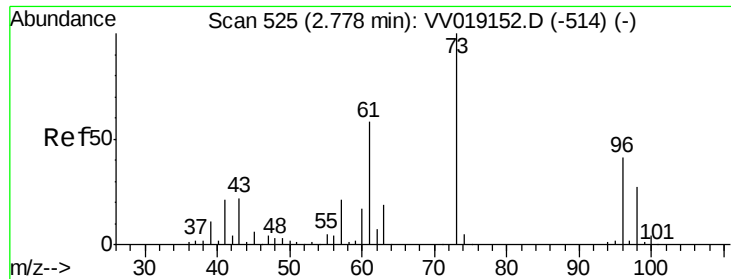
MMDadoda
11/2/2020 2:27:28 PM



#16
Methylene chloride
Concen: 2.730 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 84 Resp: 4630
Ion Ratio Lower Upper
84 100
86 55.4 46.0 85.4
49 115.5 87.8 163.2





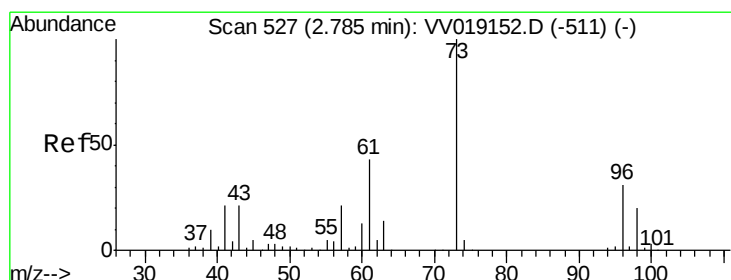
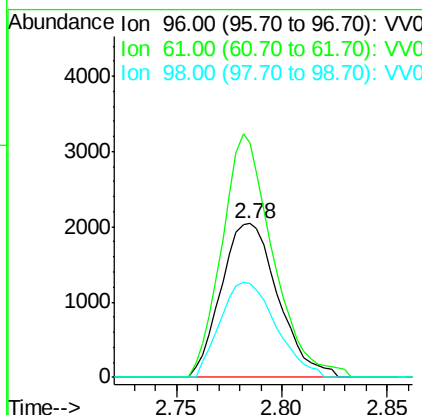
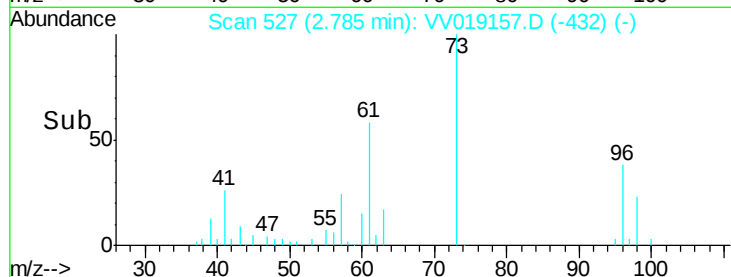
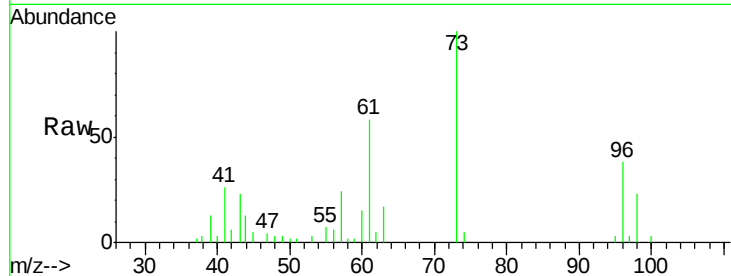
#17
trans-1,2-Dichloroethene
Concen: 2.390 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	102.4	190.2
98	60.9	45.9	85.3

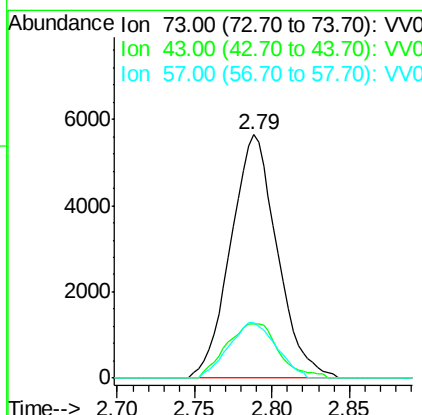
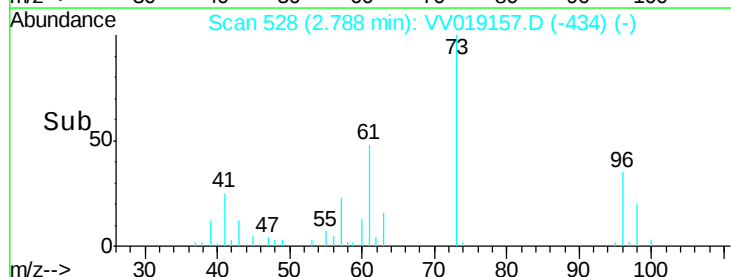
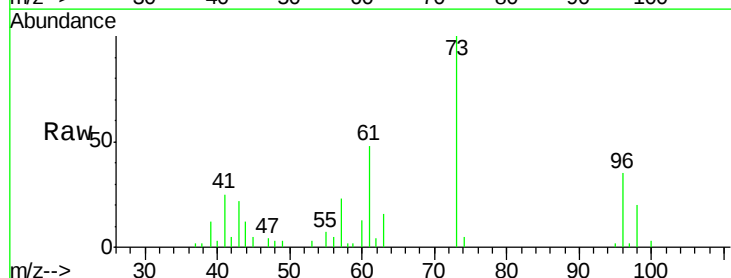
Manual Integrations
APPROVED

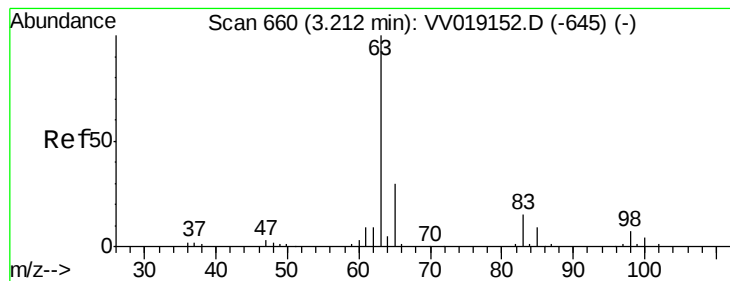
MMDadoda
11/2/2020 2:27:28 PM



#18
Methyl tert-butyl Ether
Concen: 2.194 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	13.8	17.9	26.9#
57	23.4	17.1	25.7





#19

1,1-Dichloroethane

Concen: 2.448 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

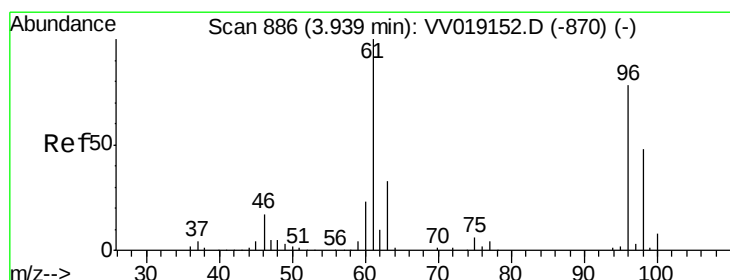
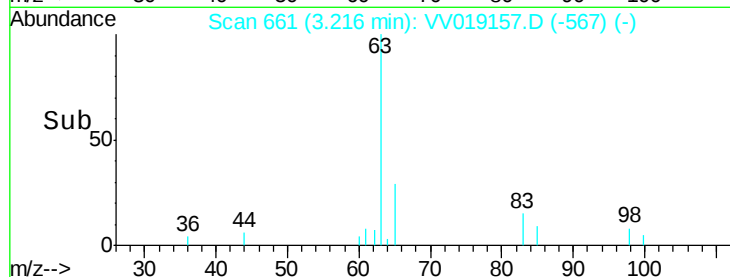
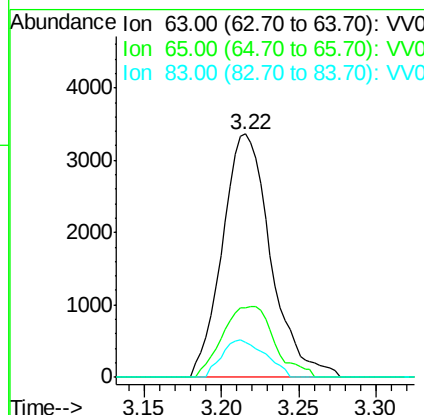
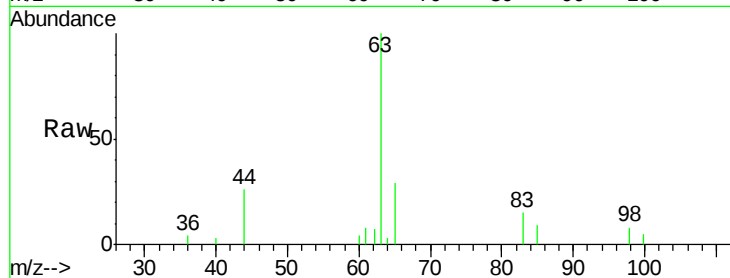
ClientSampleId :

MDL03

Tot Ion:	63	Resp:	7316
Ion	Ratio	Lower	Upper
63	100		
65	28.7	22.0	40.8
83	14.6	9.6	17.8

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 2.347 ug/L m

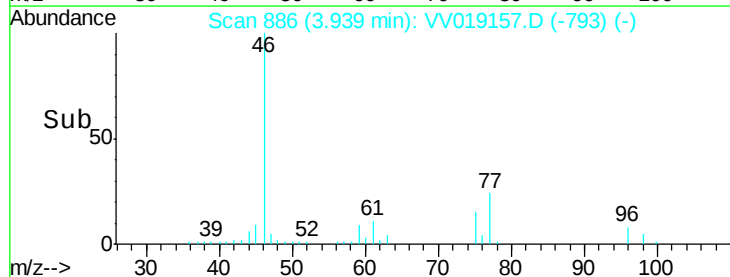
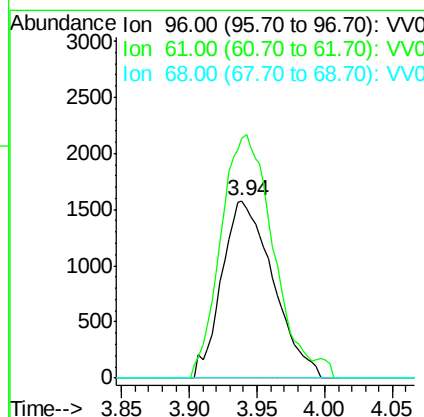
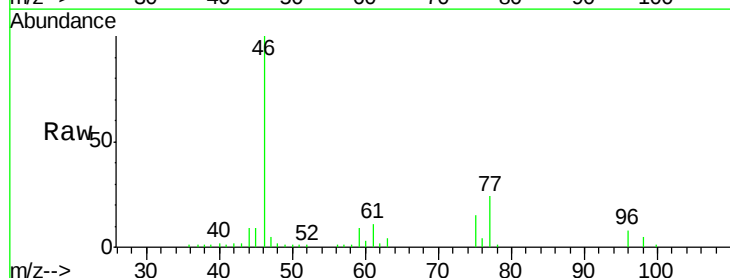
RT: 3.94 min Scan# 886

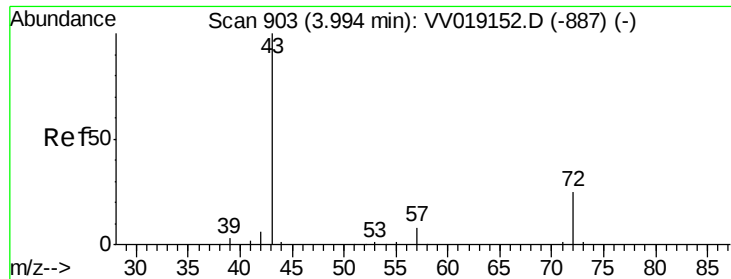
Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion:	96	Resp:	4133
Ion	Ratio	Lower	Upper
96	100		
61	135.3	90.7	168.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.131 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.04 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tot Ion: 43 Resp: 4739

Ion Ratio Lower Upper

43 100

72 12.1 11.9 35.9

Instrument :

MSVOA_V

ClientSampleId :

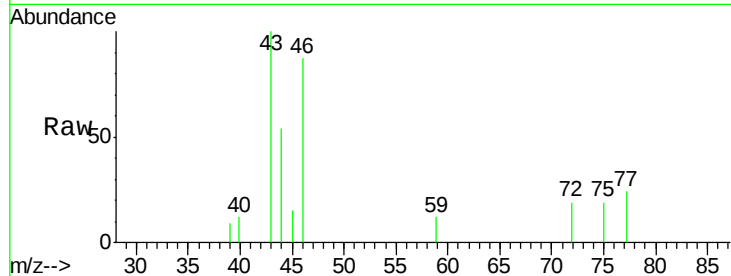
MDL03

Manual Integrations

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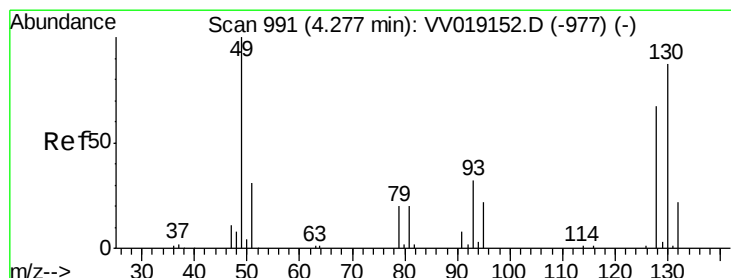
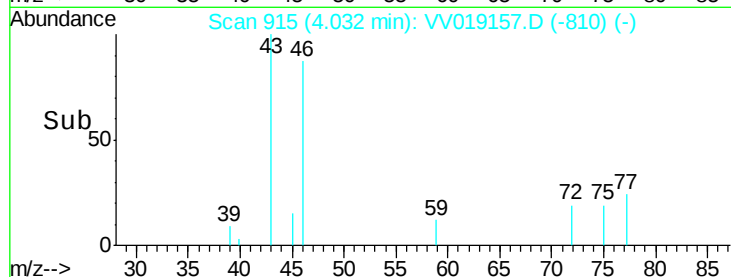
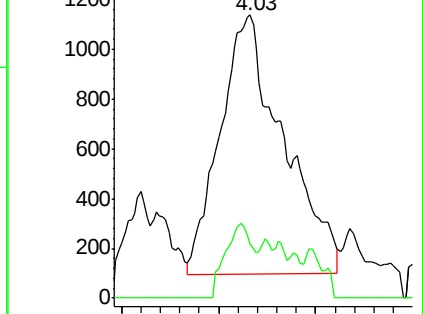
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV019157.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV019157.D (-810) (-)



#23

Bromochloromethane

Concen: 2.281 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion: 128 Resp: 2155

Ion Ratio Lower Upper

128 100

49 170.3 108.5 201.5

130 131.3 90.4 167.8

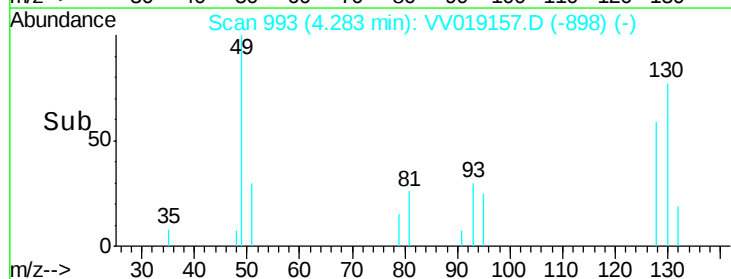
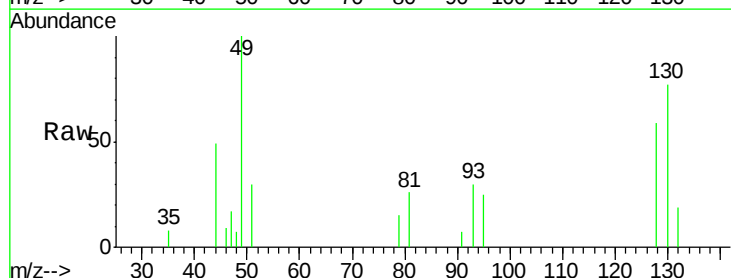
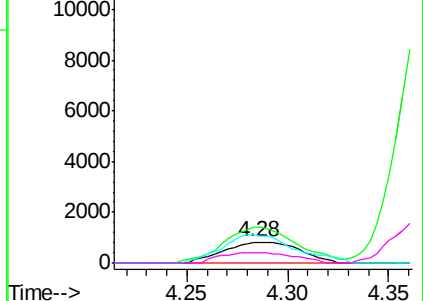
51 50.3 36.9 55.3

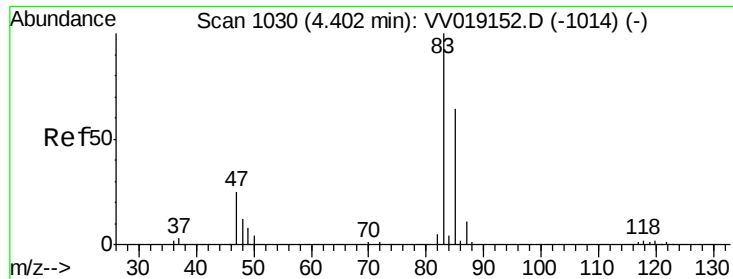
Abundance Ion 128.00 (127.70 to 128.70): VV019157.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019157.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019157.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019157.D (-898) (-)





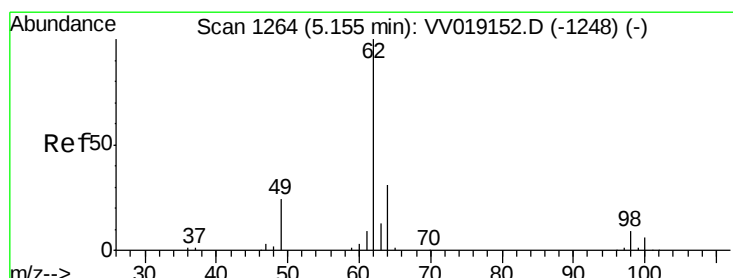
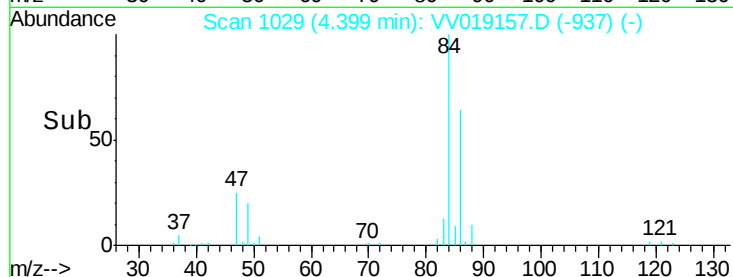
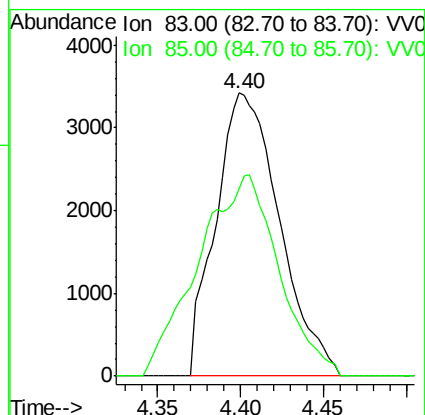
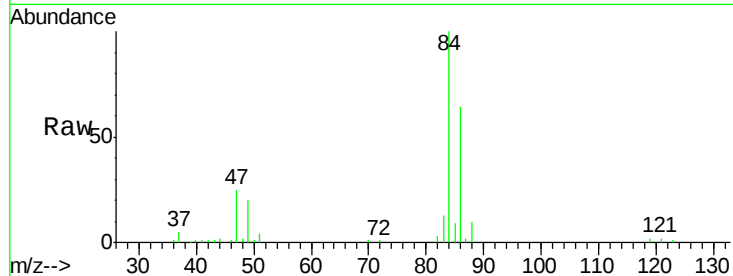
#25
Chloroform
Concen: 2.825 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 9124
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.9

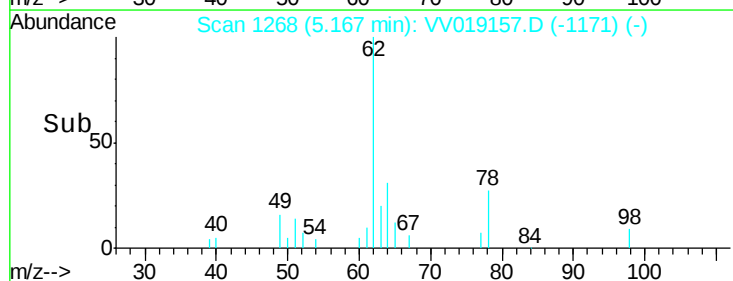
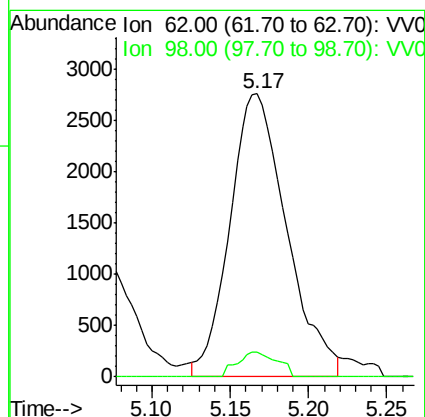
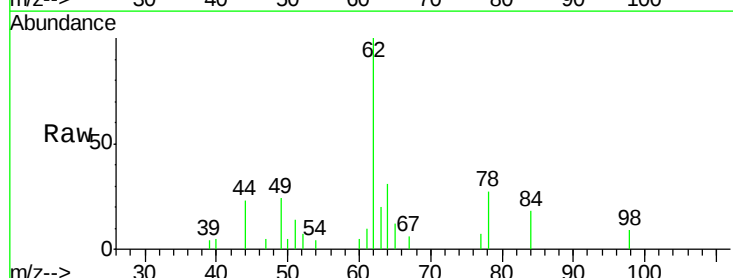
Manual Integrations
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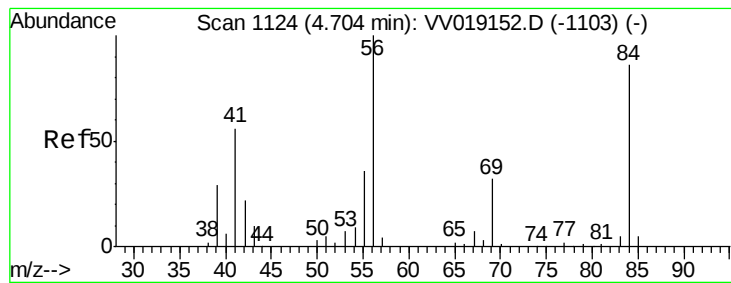
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.539 ug/L m
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion: 62 Resp: 6982
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cvclohexane

Concen: 2.024 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

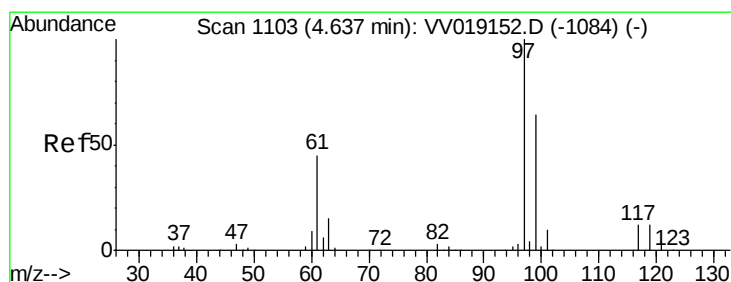
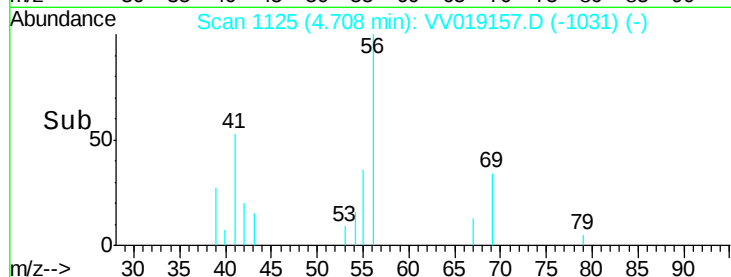
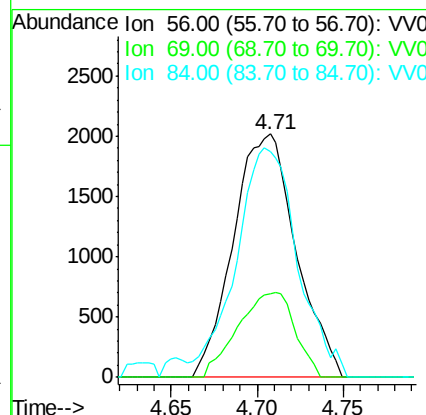
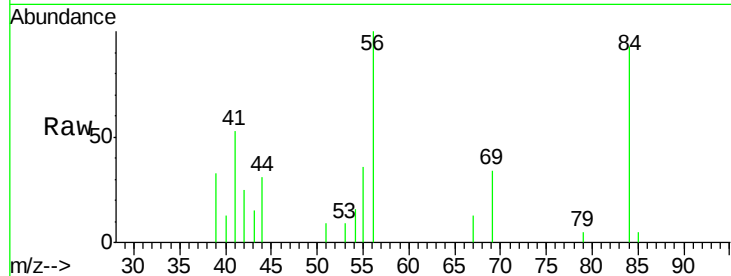
ClientSampled :

MDL03

Tot Ion:	56	Resp:	5126
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.4
84	83.8	71.5	107.3

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#30

1,1,1-Trichloroethane

Concen: 2.257 ug/L

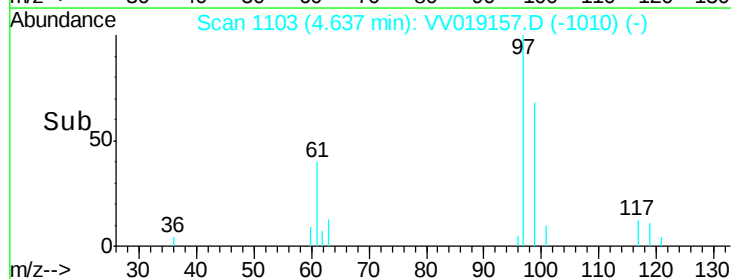
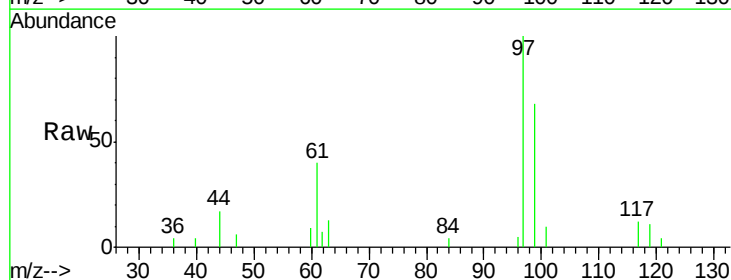
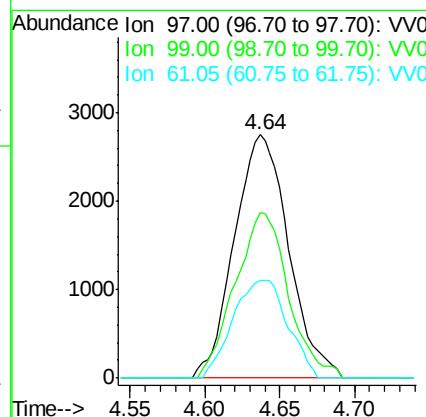
RT: 4.64 min Scan# 1103

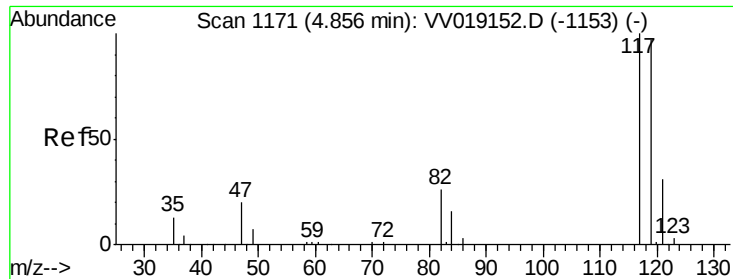
Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion:	97	Resp:	6940
Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.3	76.9
61	40.4	34.6	52.0





#31

Carbon tetrachloride

Concen: 2.107 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:117 Resp: 5745

Ion Ratio Lower Upper

117 100

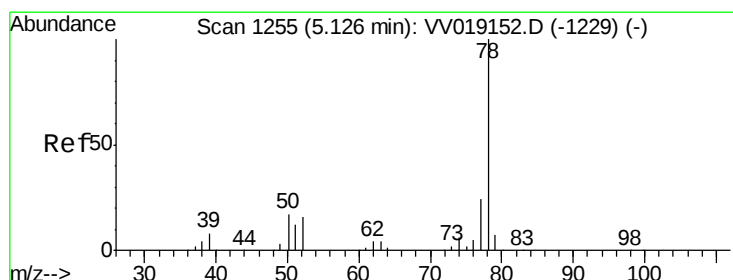
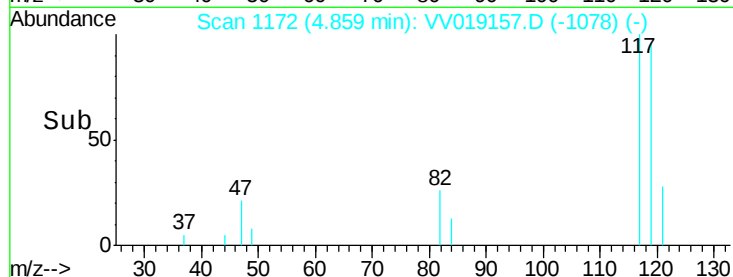
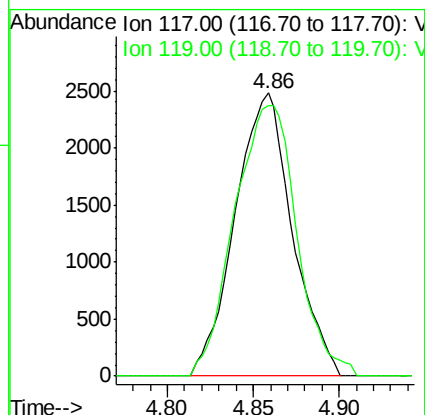
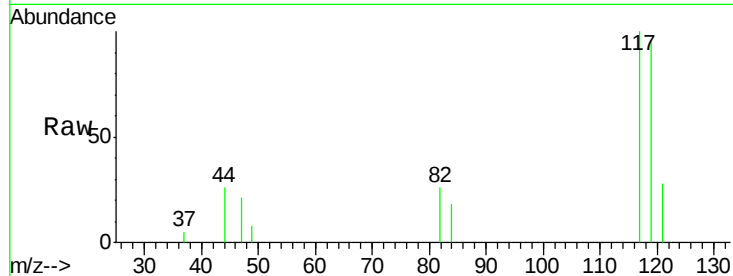
119 104.5 77.2 115.8

Manual Integrations

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#33

Benzene

Concen: 2.242 ug/L

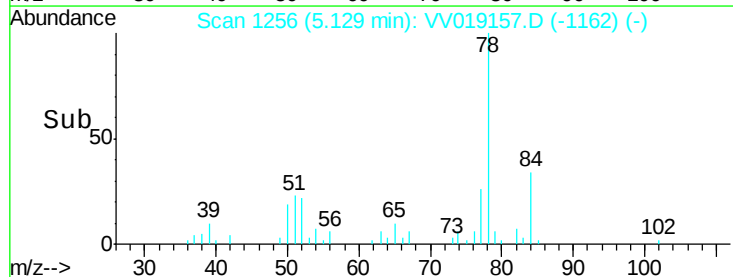
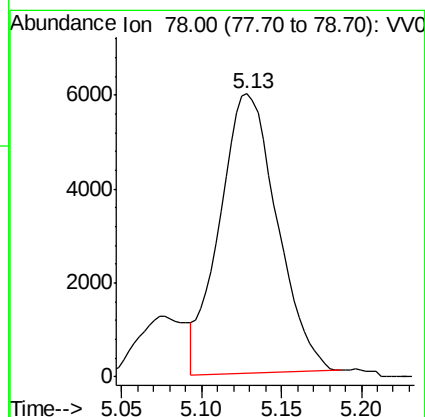
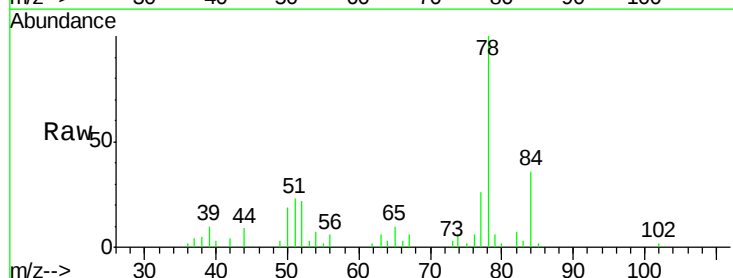
RT: 5.13 min Scan# 1256

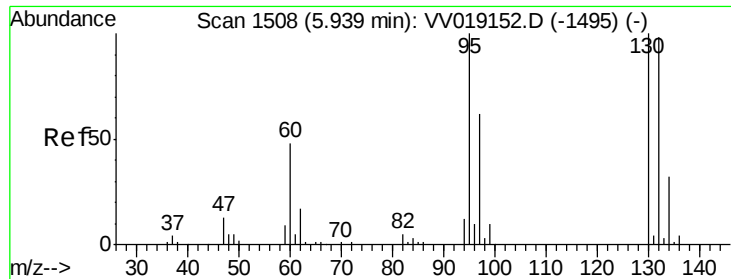
Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion: 78 Resp: 14669





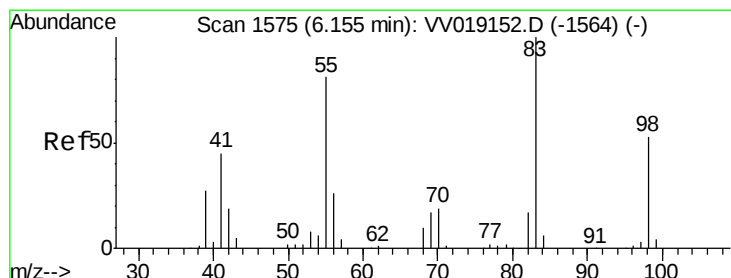
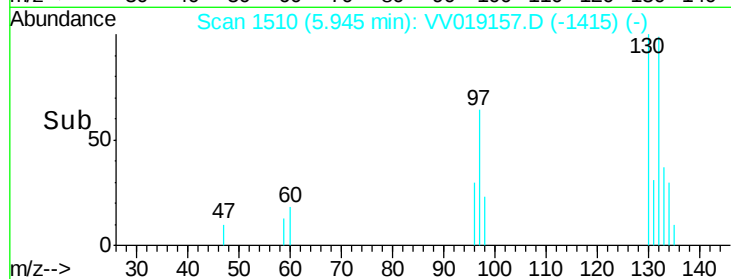
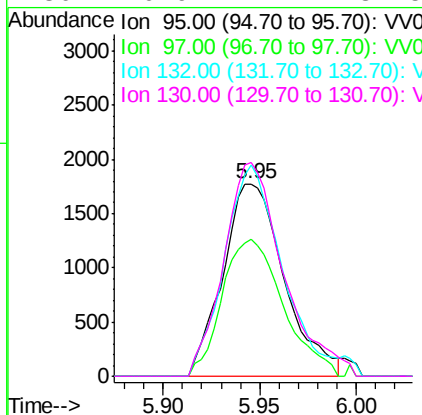
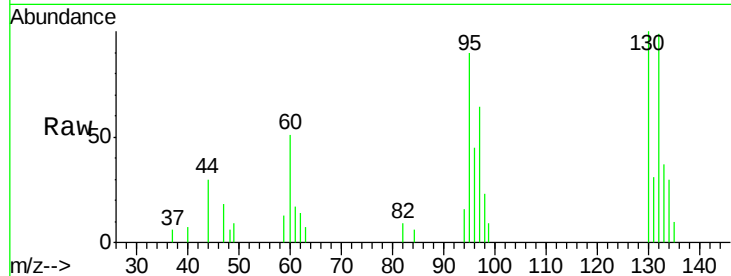
#34
 Trichloroethene
 Concen: 2.186 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	95	Resp:	3917
Ion	Ratio	Lower	Upper
95	100		
97	70.8	43.4	80.6
132	109.8	69.7	129.4
130	110.9	72.4	134.5

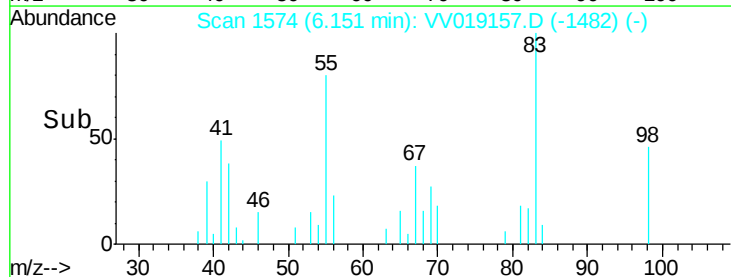
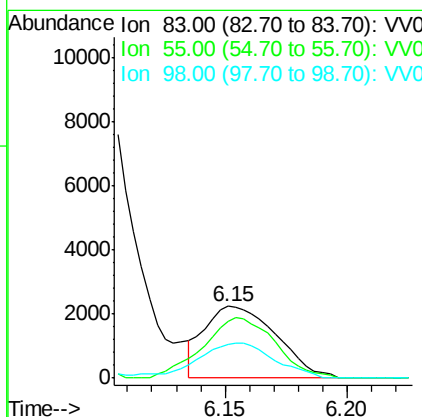
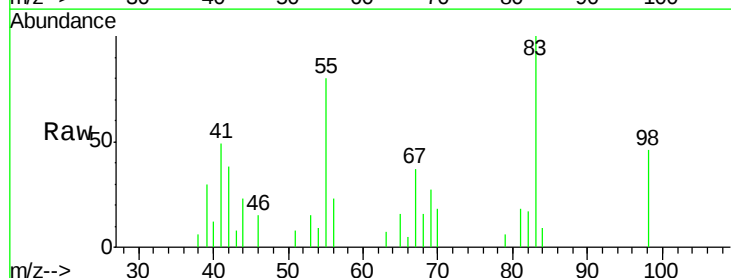
Manual Integrations
 APPROVED

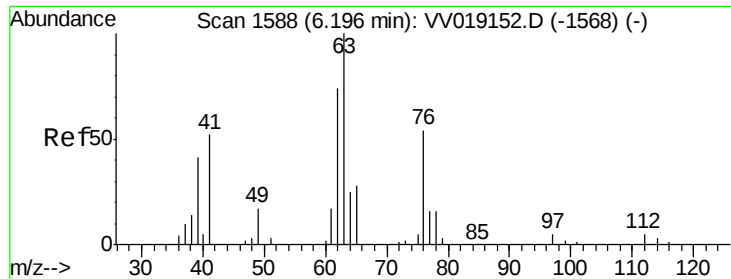
MMDadoda
 11/2/2020 2:27:28 PM



#35
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion:	83	Resp:	4572
Ion	Ratio	Lower	Upper
83	100		
55	85.1	62.2	93.4
98	50.6	39.4	59.2





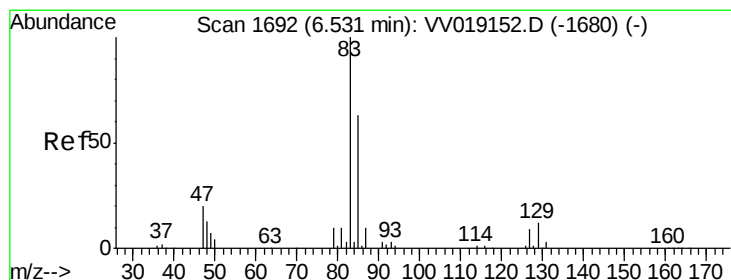
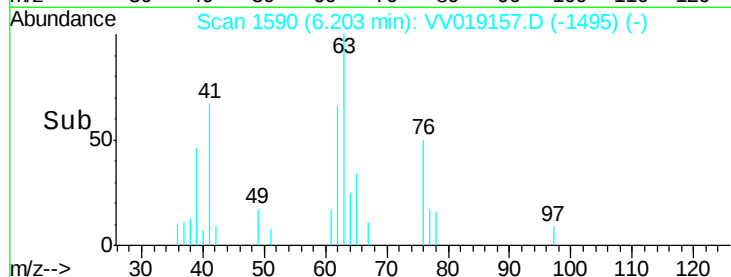
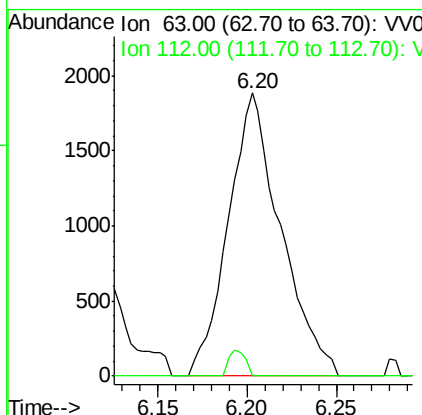
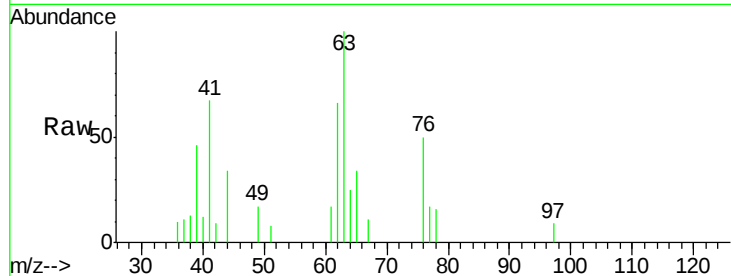
#37
 1,2-Dichloropropane
 Concen: 2.378 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 3863
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.8 5.8#

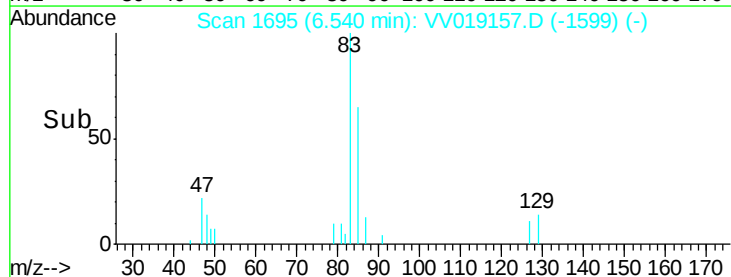
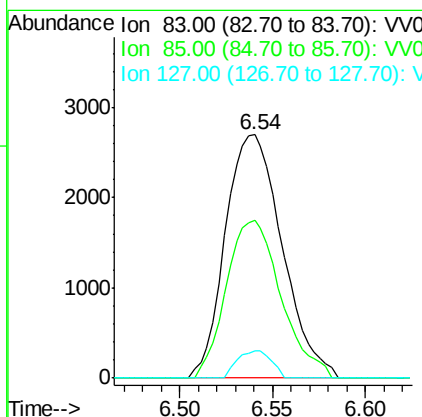
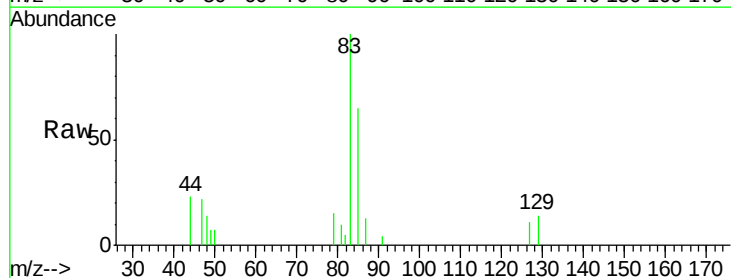
Manual Integrations
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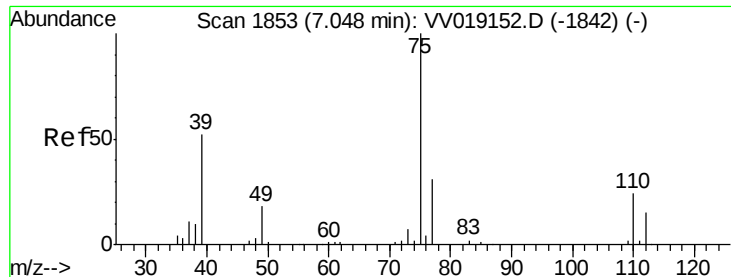
MMDadoda
 11/2/2020 2:27:28 PM



#38
 Bromodichloromethane
 Concen: 2.373 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion: 83 Resp: 5735
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.9 85.3
 127 11.2 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 2.394 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 75 Resp: 6425

Ion Ratio Lower Upper

75 100

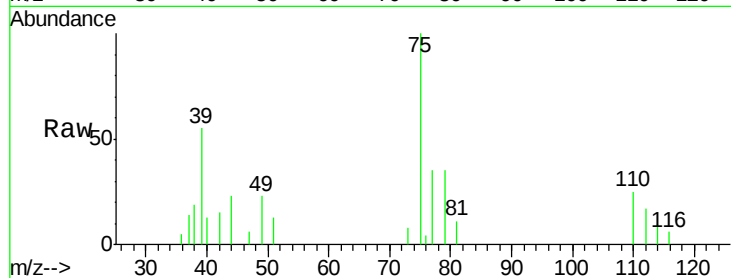
77 34.7 22.7 42.1

Manual Integrations

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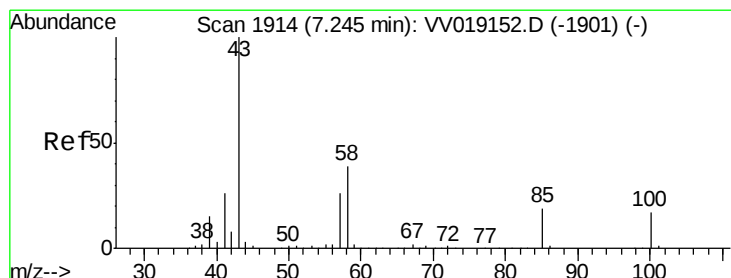
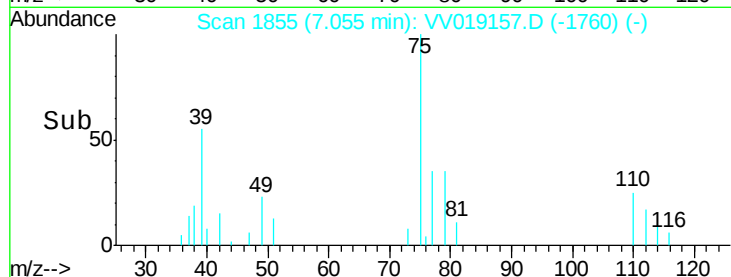
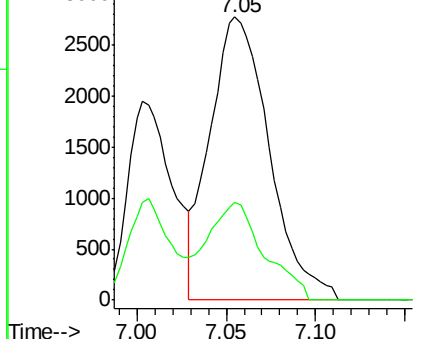
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 4.336 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

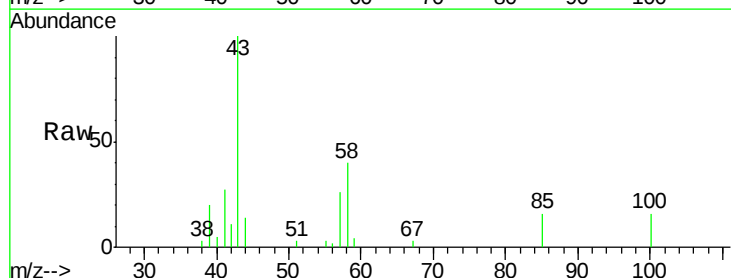
Tgt Ion: 43 Resp: 9717

Ion Ratio Lower Upper

43 100

58 39.0 31.0 46.4

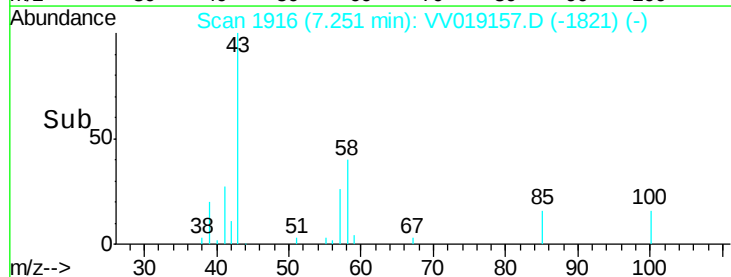
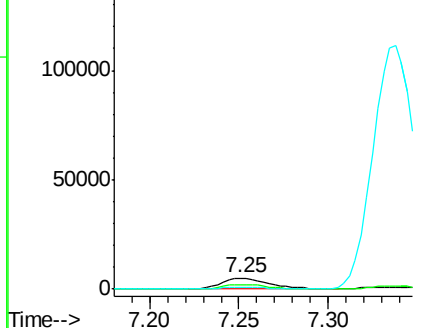
100 16.2 13.2 19.8

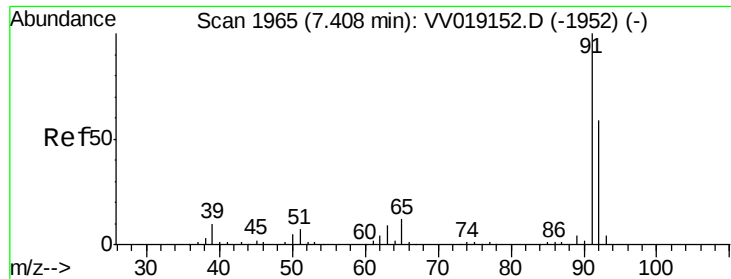


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 2.965 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 21262

Ion Ratio Lower Upper

91 100

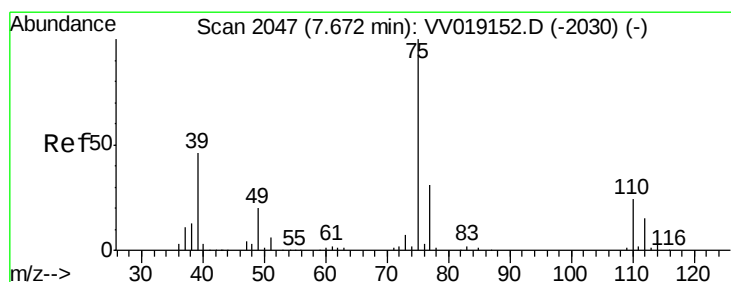
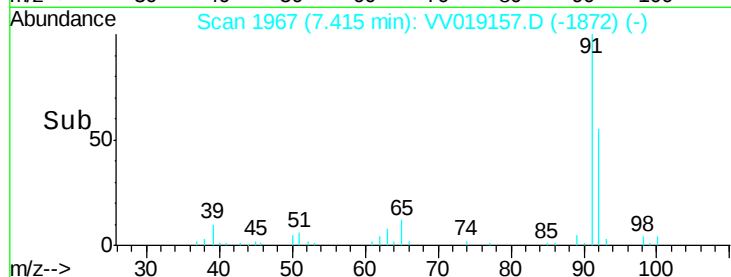
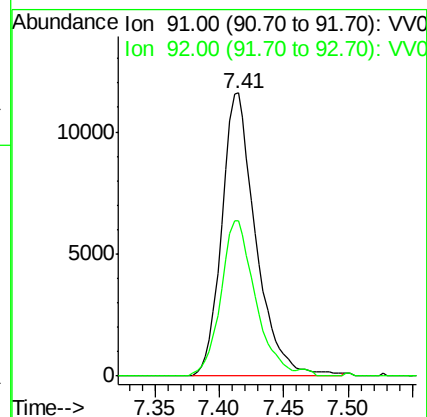
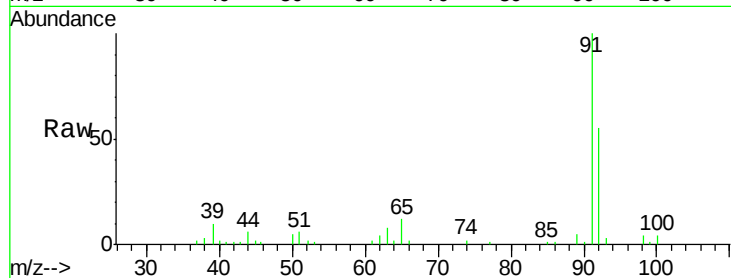
92 54.7 41.5 77.1

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 2.383 ug/L m

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019157.D

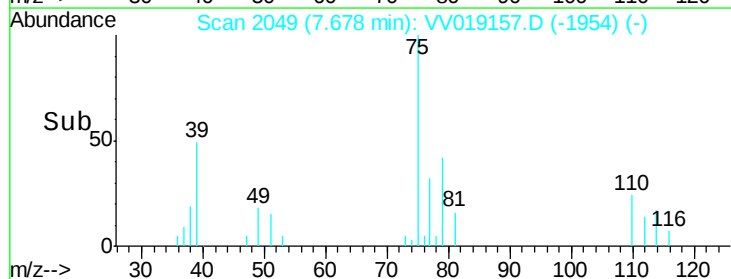
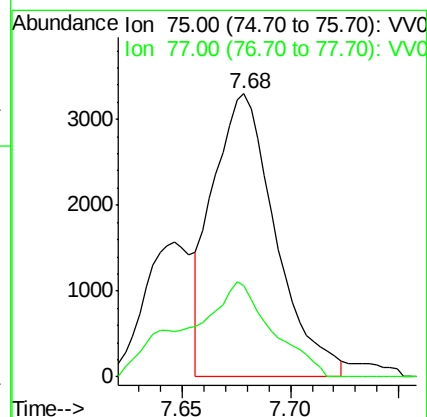
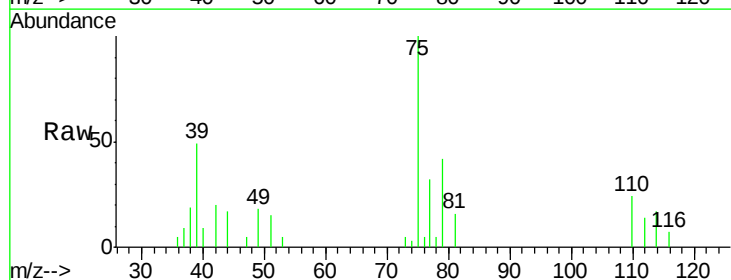
Acq: 29 Oct 2020 20:00

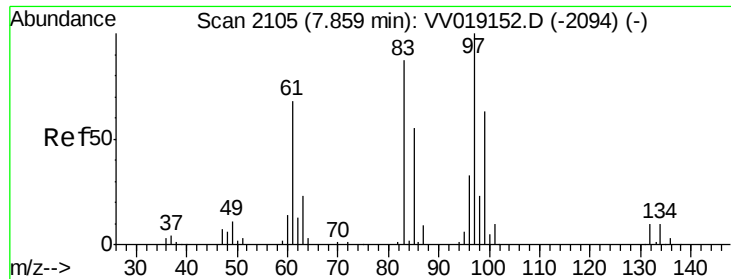
Tgt Ion: 75 Resp: 6652

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4





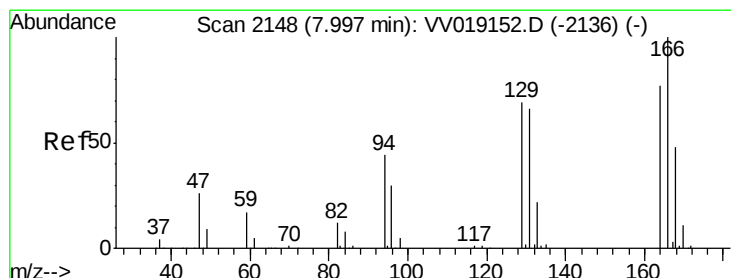
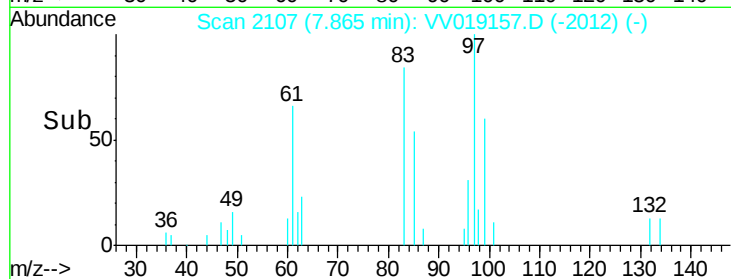
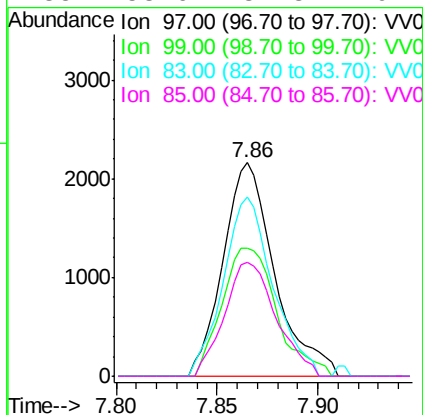
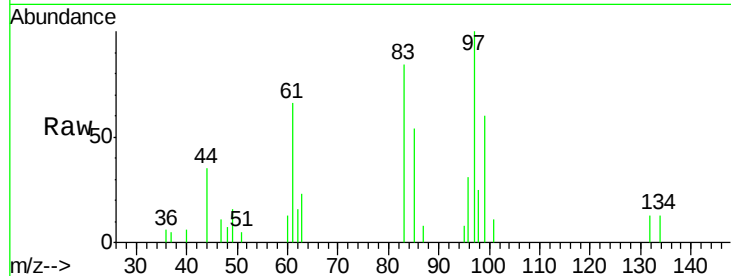
#45
1,1,2-Trichloroethane
Concen: 2.371 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	3863
Ion	Ratio	Lower	Upper
97	100		
99	60.1	43.1	80.1
83	84.2	58.3	108.3
85	53.6	37.8	70.2

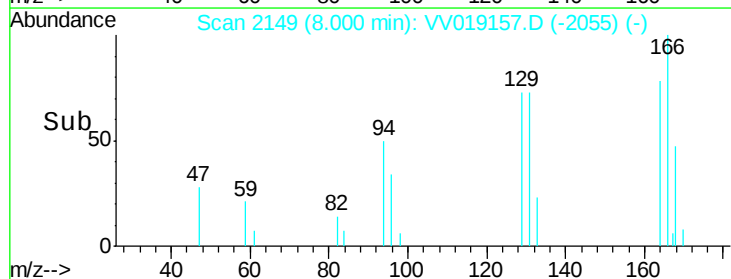
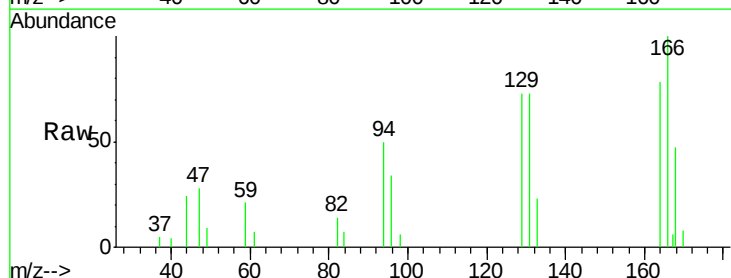
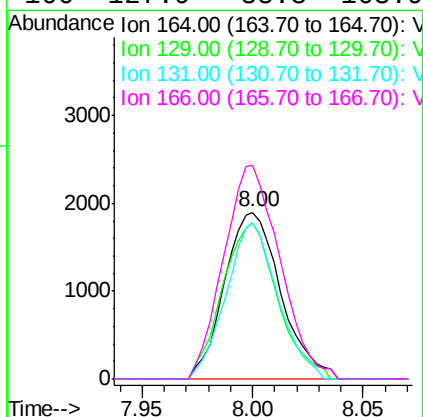
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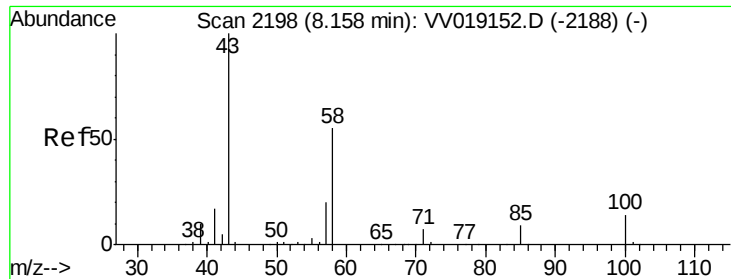
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#46
Tetrachloroethene
Concen: 2.196 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion:	164	Resp:	3361
Ion	Ratio	Lower	Upper
164	100		
129	93.2	63.2	117.4
131	93.3	60.3	112.1
166	127.9	88.3	163.9





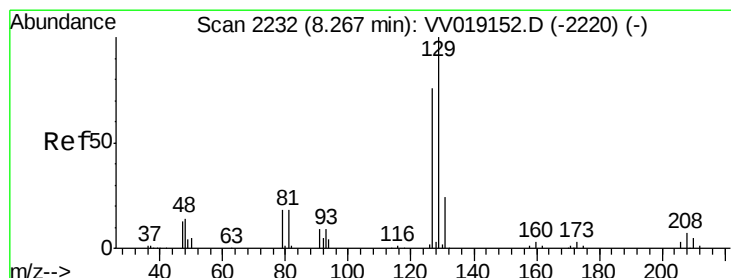
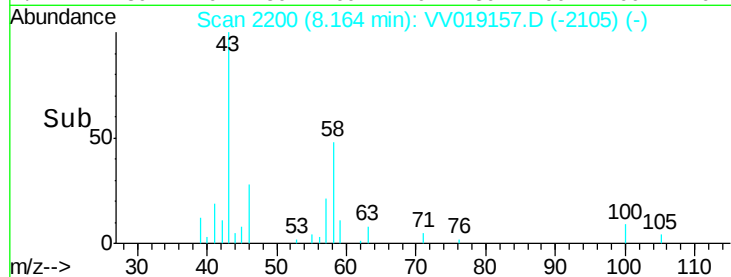
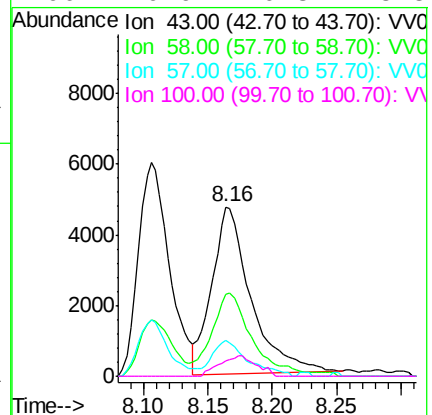
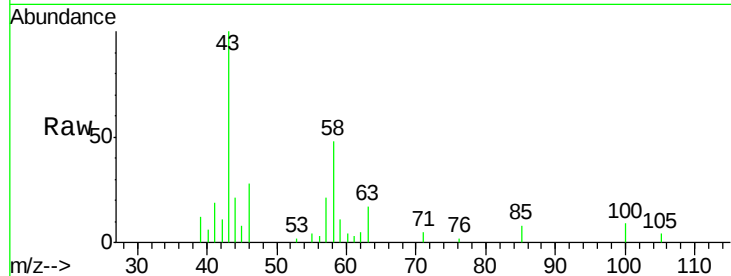
#48
2-Hexanone
Concen: 5.548 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	43.6	65.4#
57	19.5	16.0	24.0
100	10.9	10.3	15.5

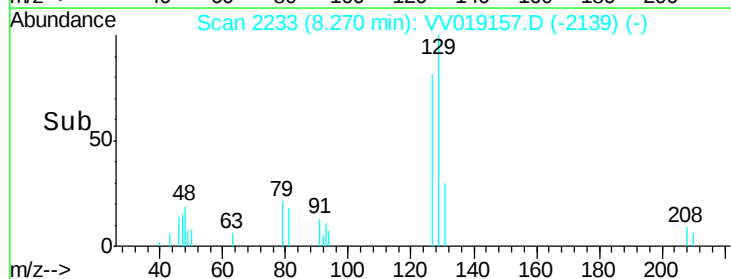
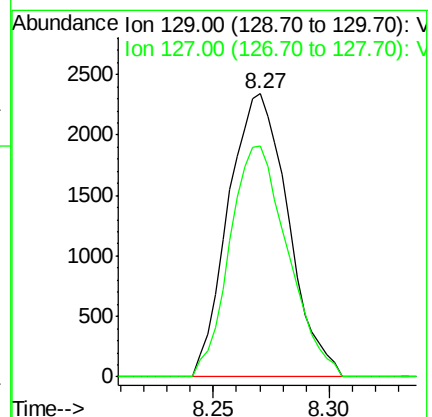
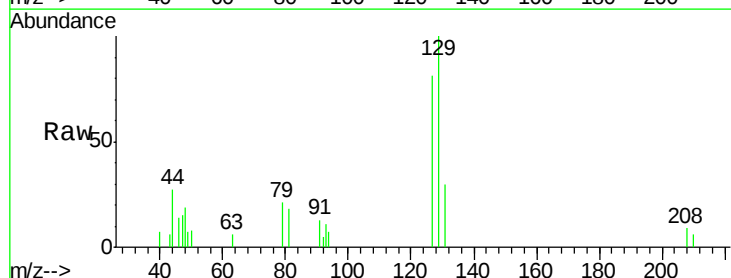
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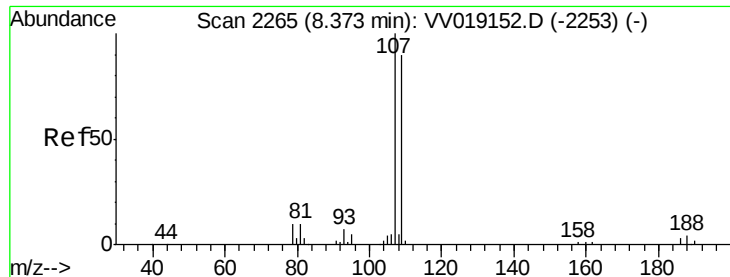
MMDadoda
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#49
Dibromochloromethane
Concen: 2.128 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.4	54.7	101.5





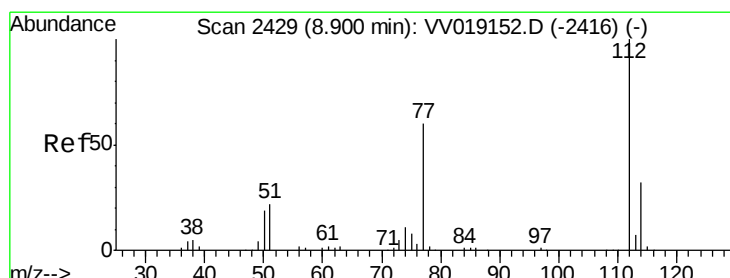
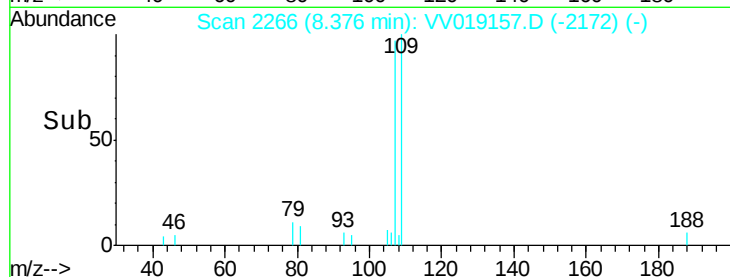
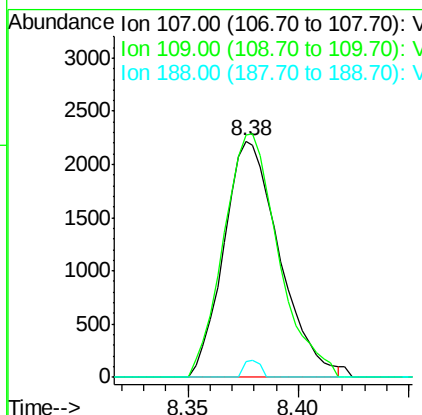
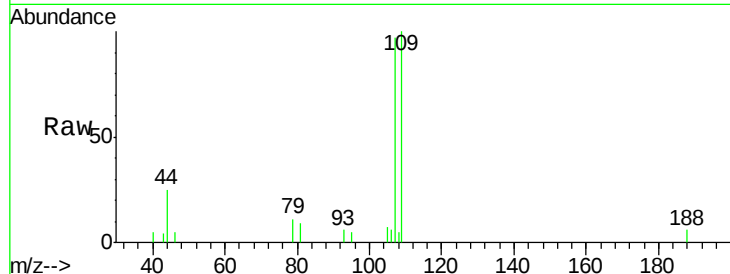
#50
1,2-Dibromoethane
Concen: 2.239 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3893		
109	102.8	65.7	121.9	
188	6.6	3.4	5.2#	

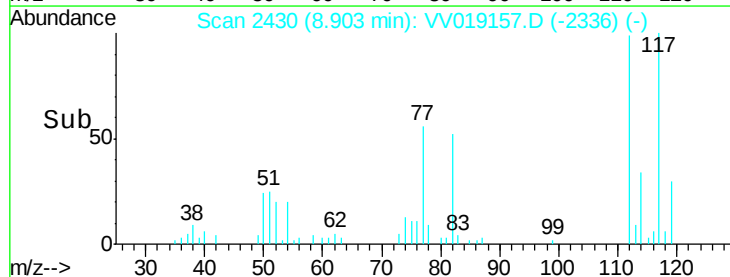
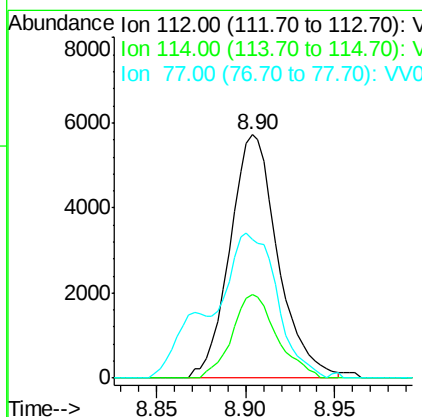
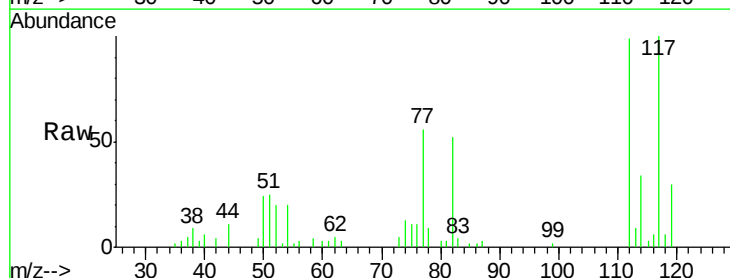
Manual Integrations
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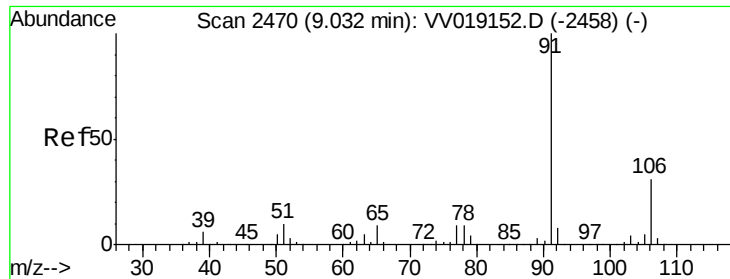
MMDadoda
11/2/2020 2:27:28 PM



#51
Chlorobenzene
Concen: 2.276 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	10703		
114	34.3	22.3	41.5	
77	56.7	46.7	70.1	





#52

Ethylbenzene

Concen: 2.103 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 16622

Ion Ratio Lower Upper

91 100

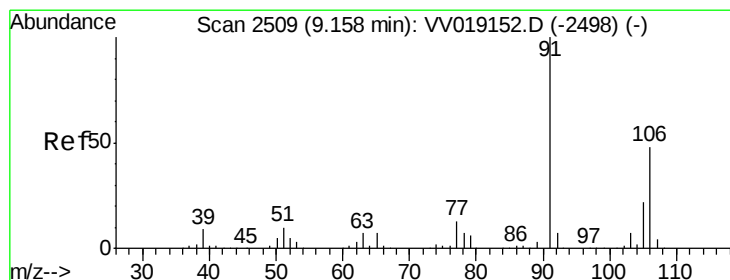
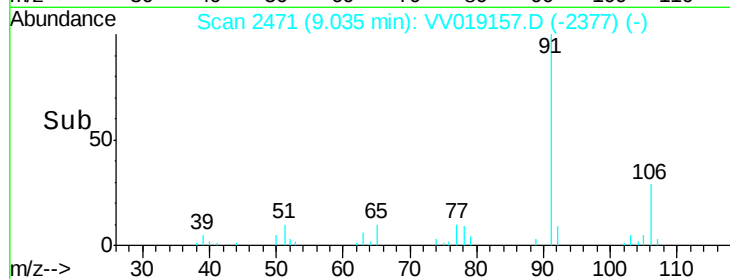
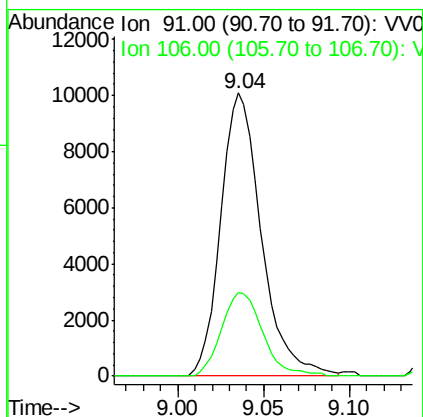
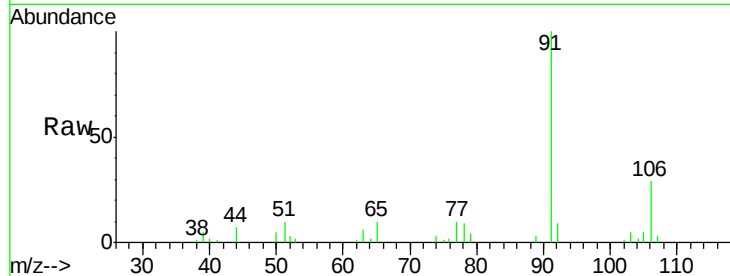
106 29.4 21.6 40.0

Manual Integrations

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#53

m,p-Xylene

Concen: 2.133 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019157.D

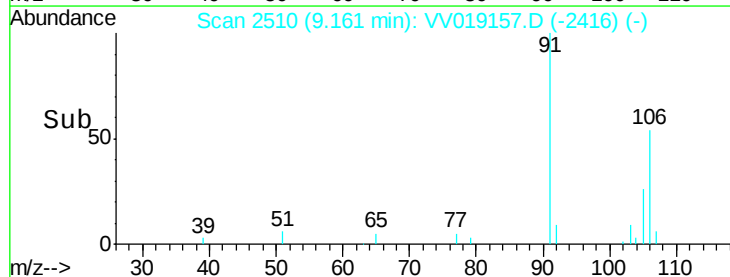
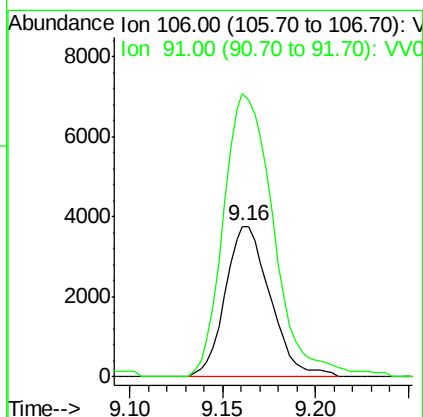
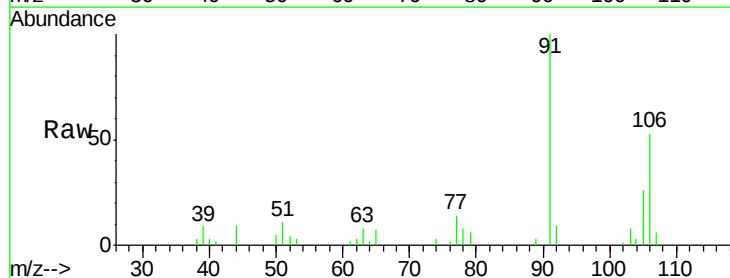
Acq: 29 Oct 2020 20:00

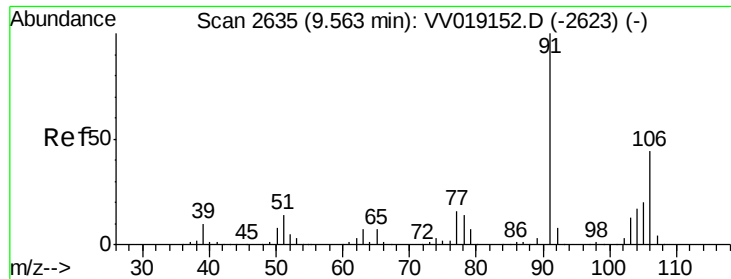
Tgt Ion: 106 Resp: 6366

Ion Ratio Lower Upper

106 100

91 187.7 145.4 270.0





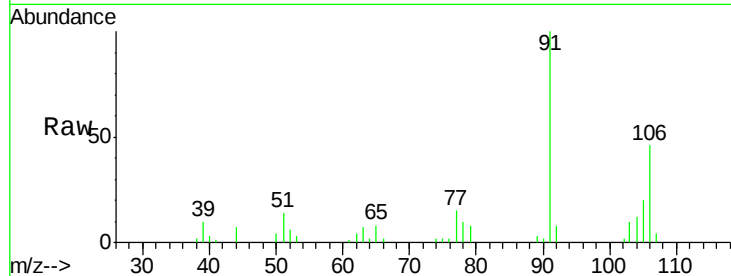
#54
o-xylene
Concen: 1.983 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :
MDL03

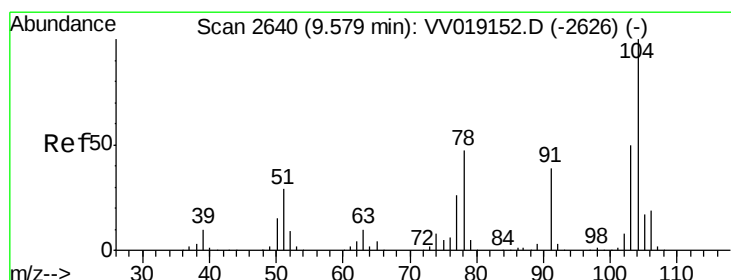
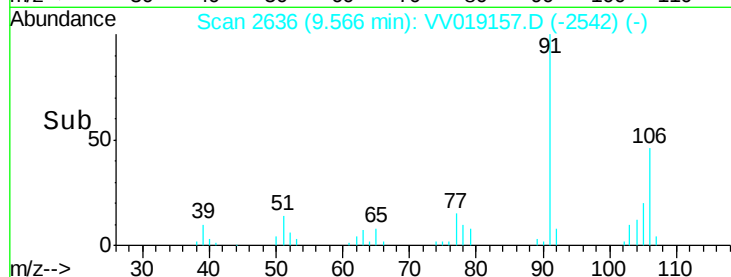
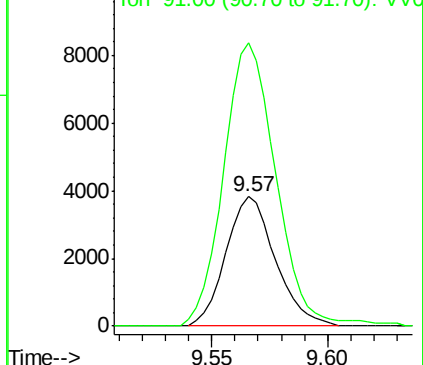
Tot Ion:106 Resp: 5684
Ion Ratio Lower Upper
106 100
91 218.7 153.4 285.0

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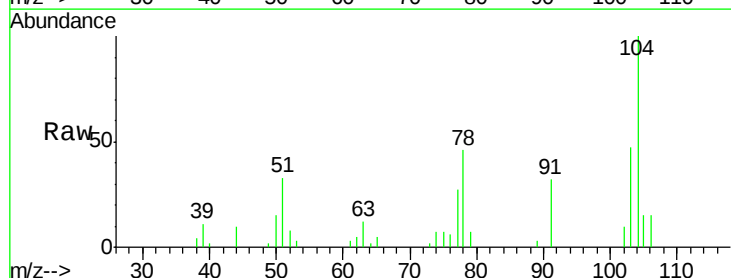


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

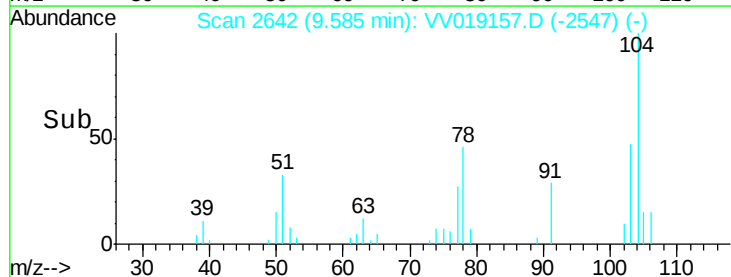
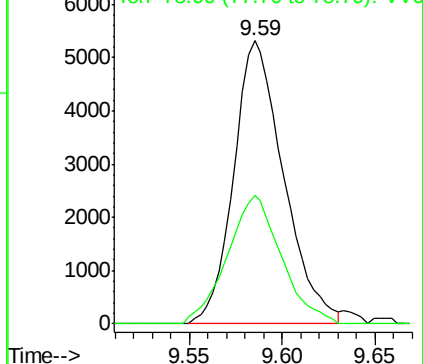


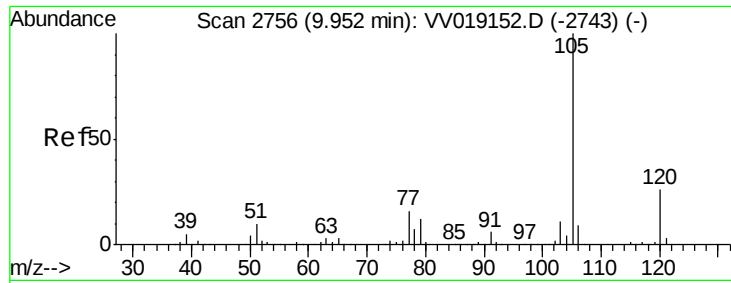
#55
Styrene
Concen: 1.961 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion:104 Resp: 9961
Ion Ratio Lower Upper
104 100
78 45.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





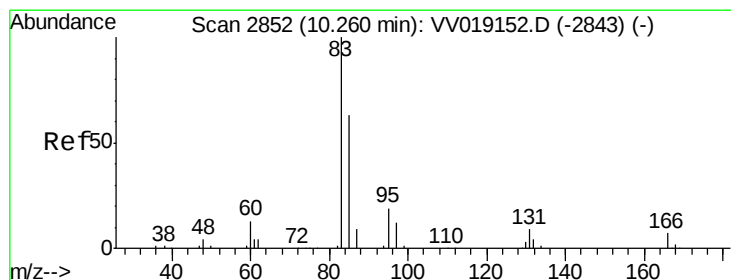
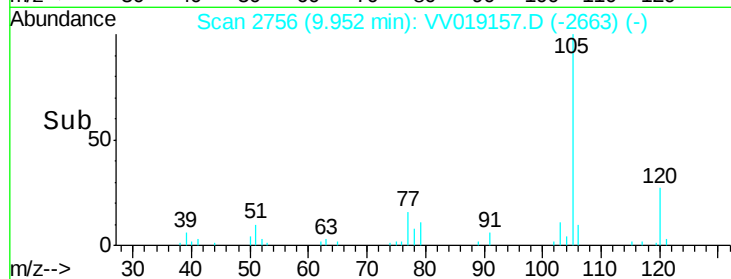
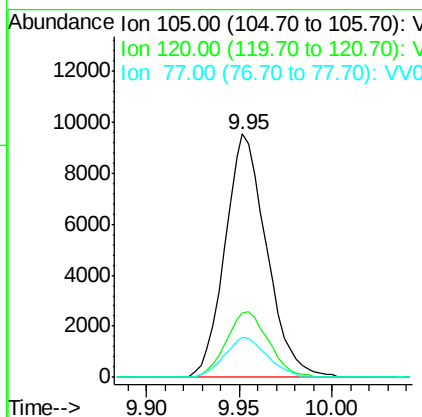
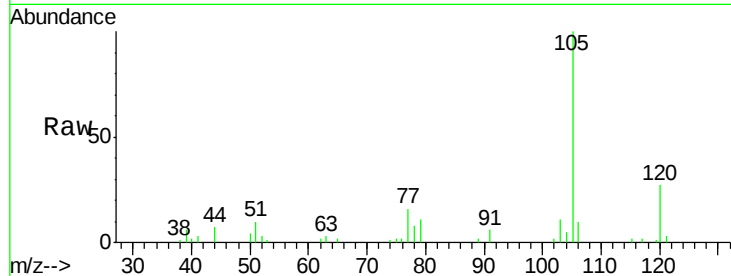
#56
Isopropylbenzene
Concen: 1.926 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.3	31.9
77	16.8	13.0	19.4

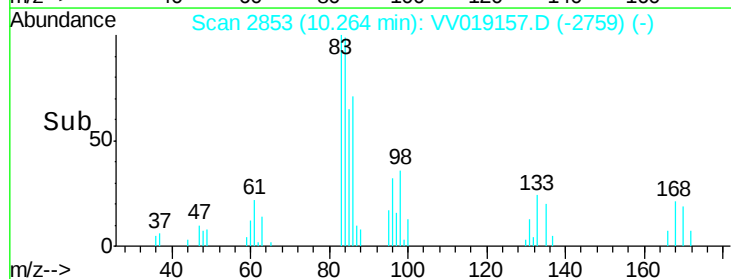
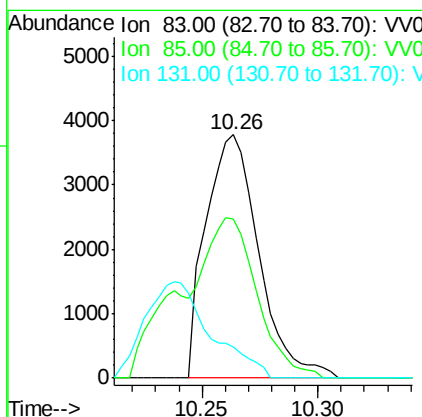
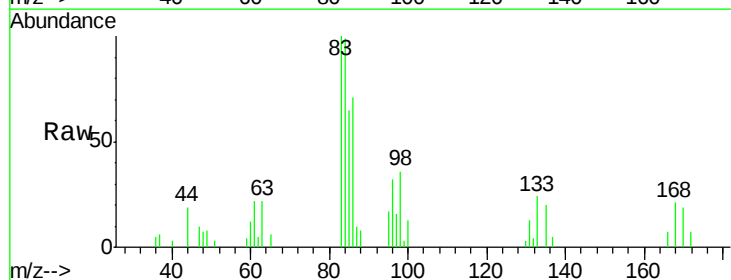
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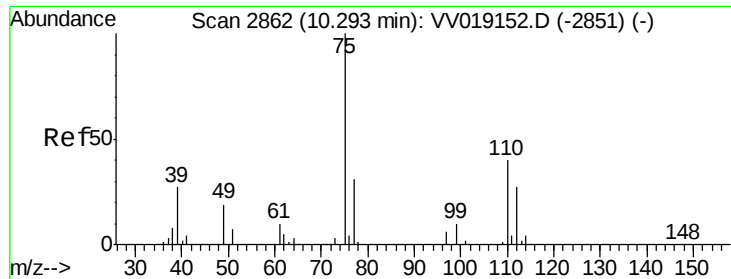
MMDadoda
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#58
1,1,2,2-Tetrachloroethane
Concen: 2.415 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.8	85.0
131	12.7	8.9	13.3





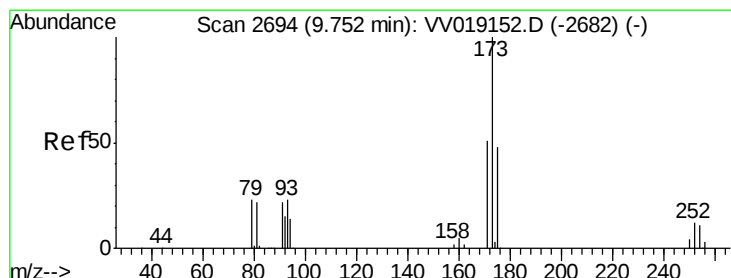
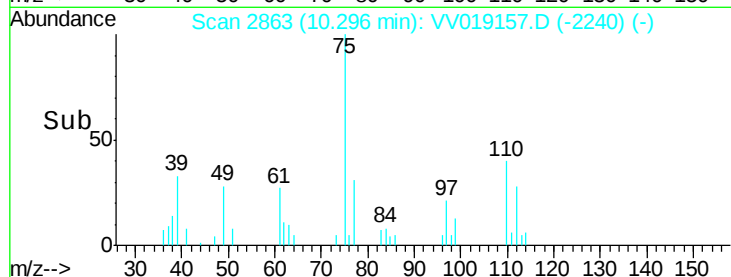
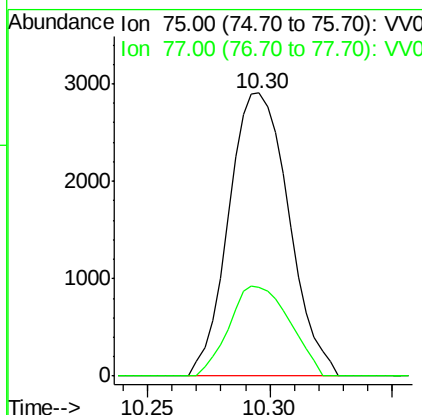
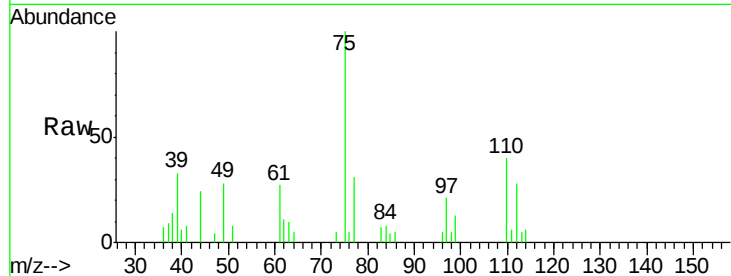
#59
 1,2,3-Trichloropropane
 Concen: 2.339 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 4968
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.4

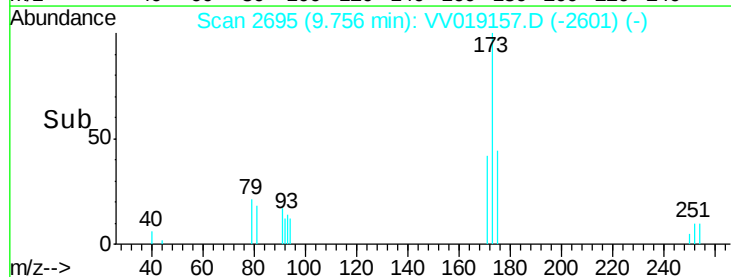
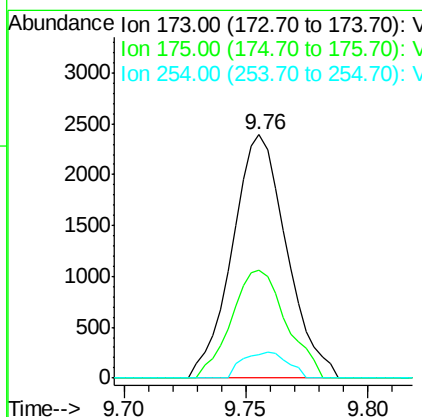
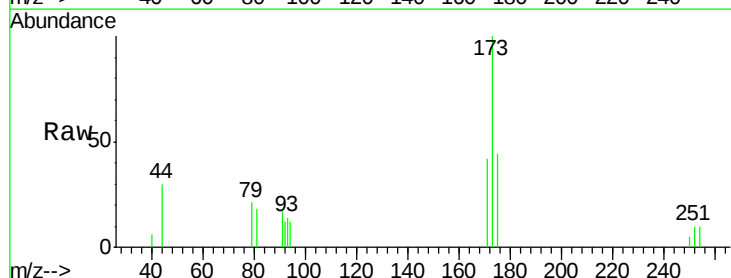
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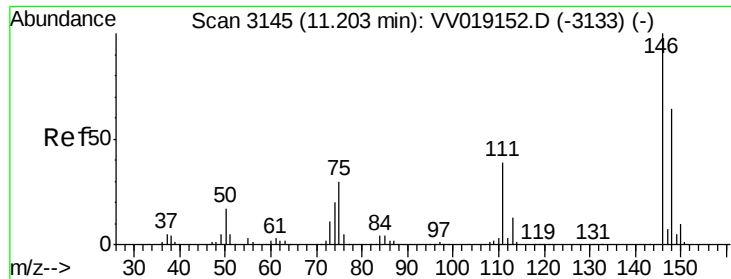
MMDadoda
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#61
 Bromoform
 Concen: 2.594 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion: 173 Resp: 3698
 Ion Ratio Lower Upper
 173 100
 175 44.5 39.8 59.6
 254 8.8 9.7 14.5#





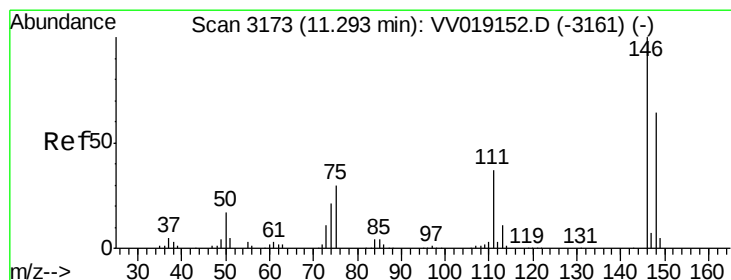
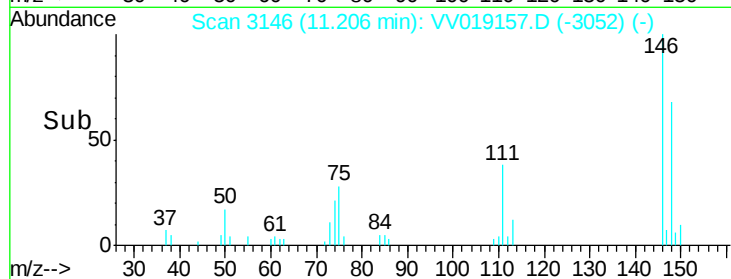
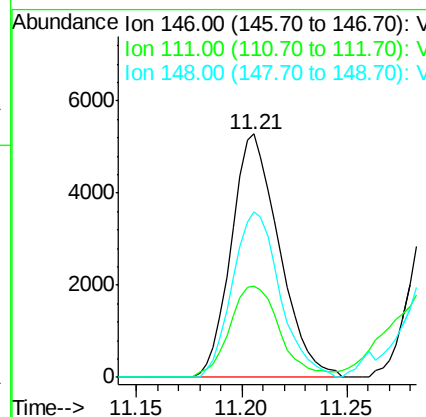
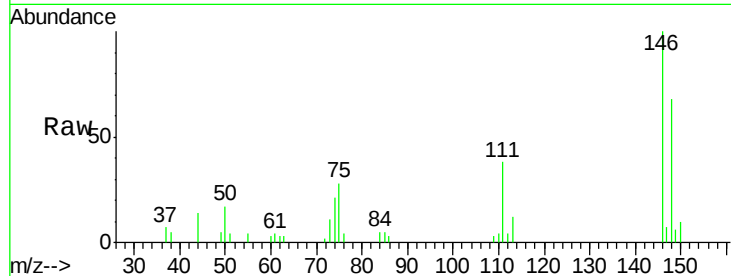
#62
 1,3-Dichlorobenzene
 Concen: 2.282 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.1	50.3
148	67.8	44.7	83.1

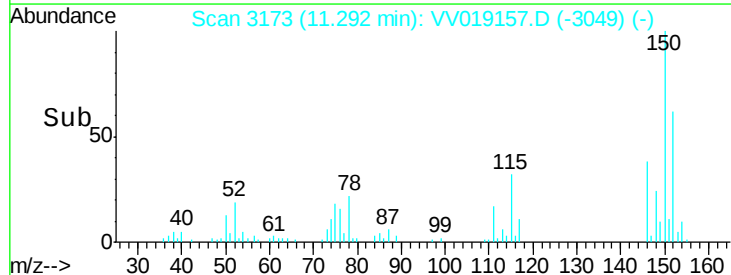
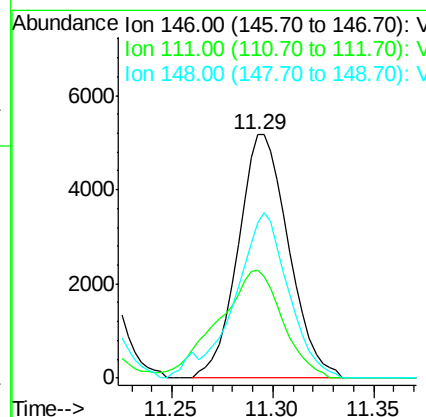
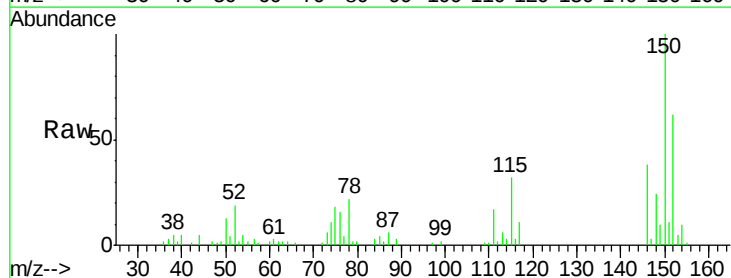
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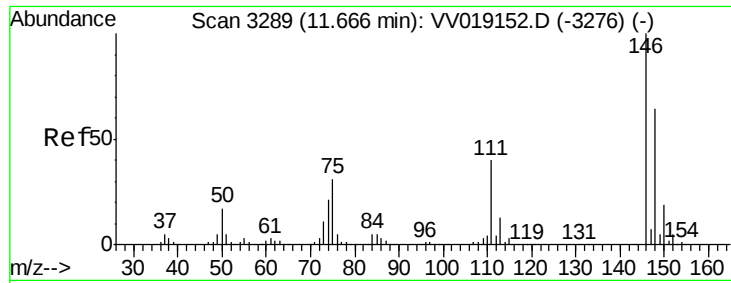
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#63
 1,4-Dichlorobenzene
 Concen: 2.395 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	25.8	48.0
148	63.7	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 2.555 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Instrument :

MSVOA_V

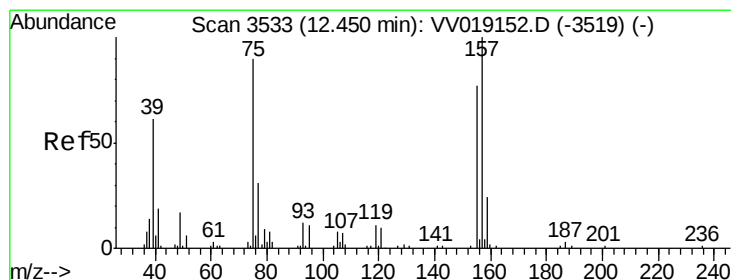
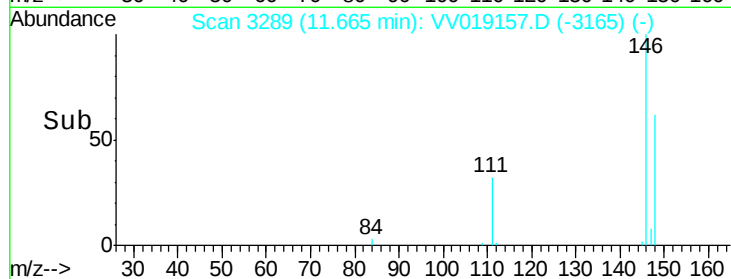
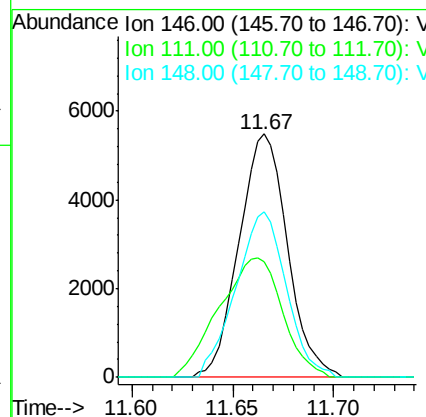
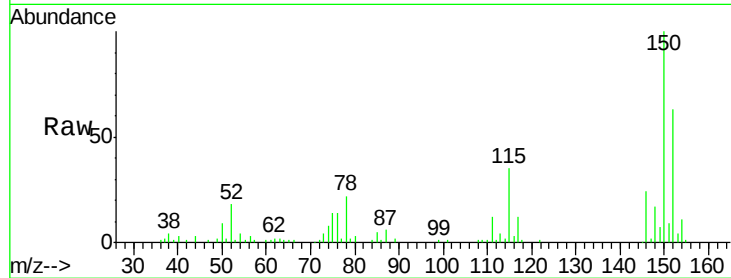
ClientSampled :

MDL03

Tot Ion:	146	Resp:	9226
Ion Ratio	Lower	Upper	
146	100		
111	47.5	32.2	48.4
148	68.1	50.8	76.2

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.308 ug/L

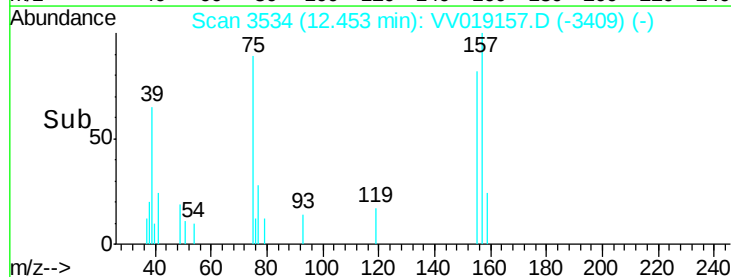
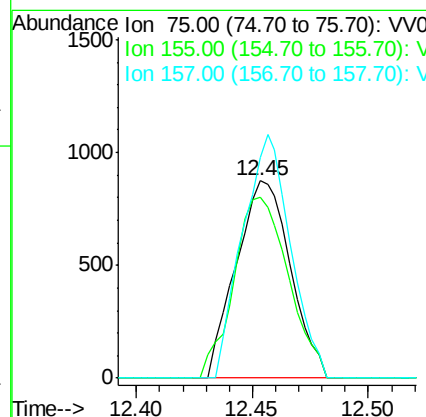
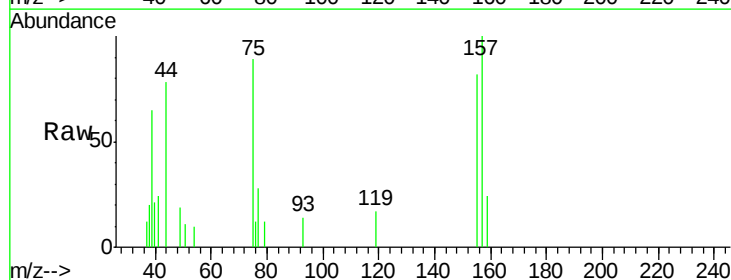
RT: 12.45 min Scan# 3534

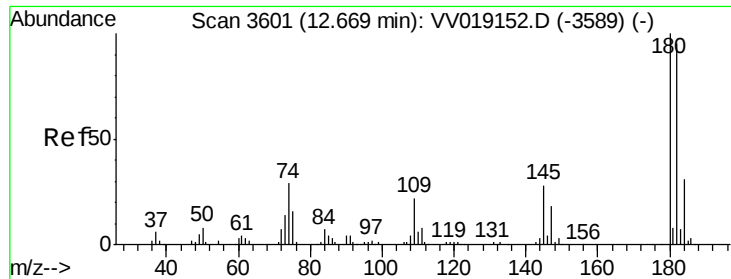
Delta R.T. 0.00 min

Lab File: VV019157.D

Acq: 29 Oct 2020 20:00

Tgt Ion:	75	Resp:	1426
Ion Ratio	Lower	Upper	
75	100		
155	92.0	71.1	106.7
157	112.0	90.5	135.7





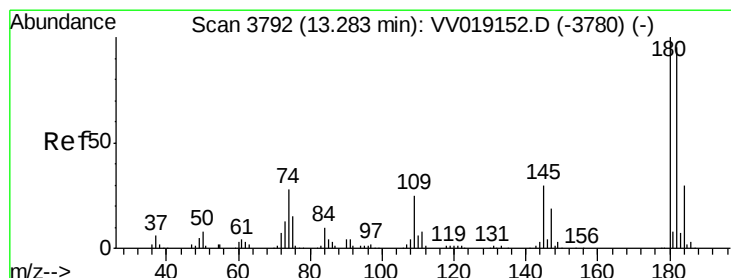
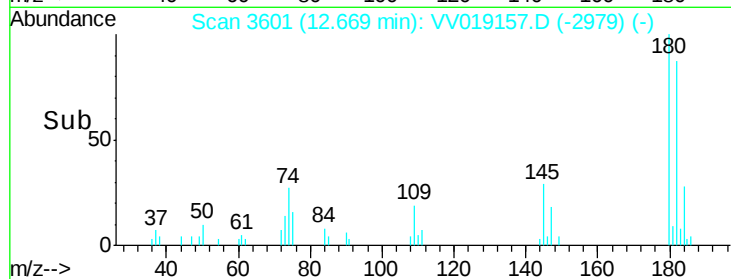
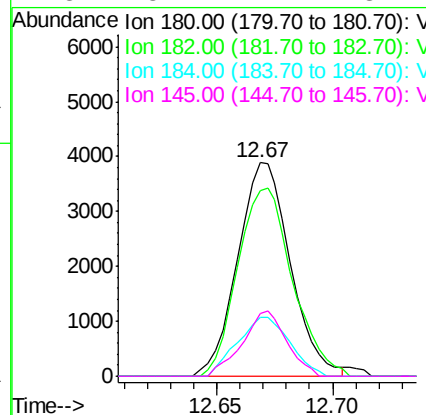
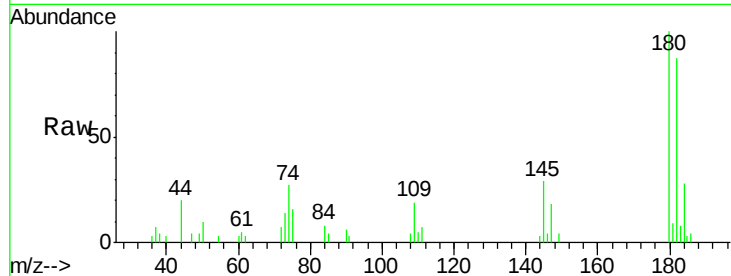
#67
 1,3,5-Trichlorobenzene
 Concen: 2.291 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100		6148		
182	91.3	76.1	114.1		
184	27.6	24.5	36.7		
145	25.7	22.7	34.1		

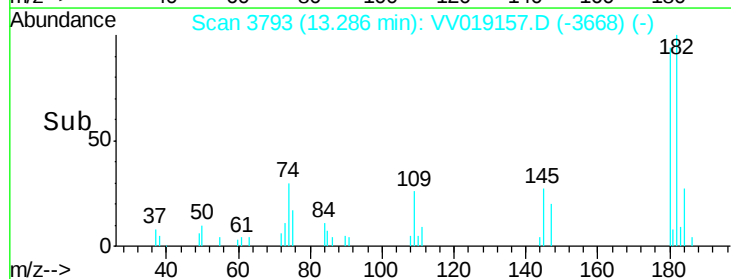
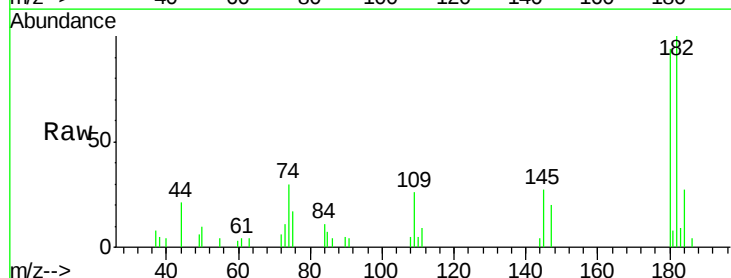
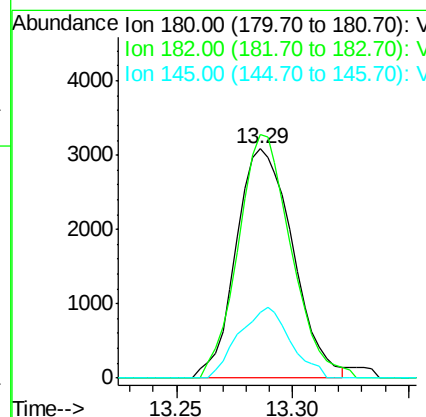
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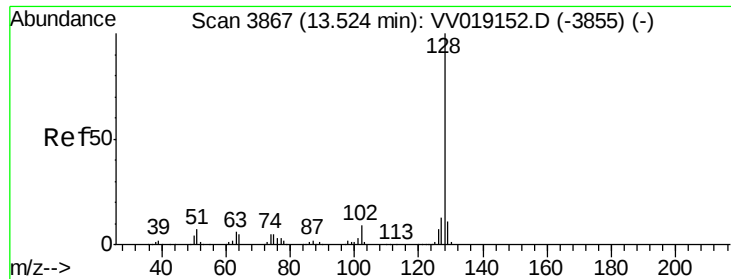
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#68
 1,2,4-trichlorobenzene
 Concen: 2.085 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019157.D
 Acq: 29 Oct 2020 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		5241		
182	99.4	75.8	113.6		
145	28.0	22.6	34.0		





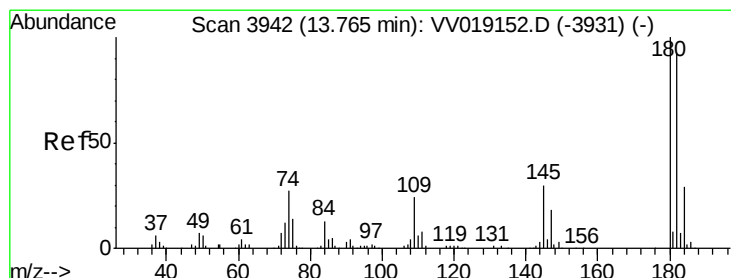
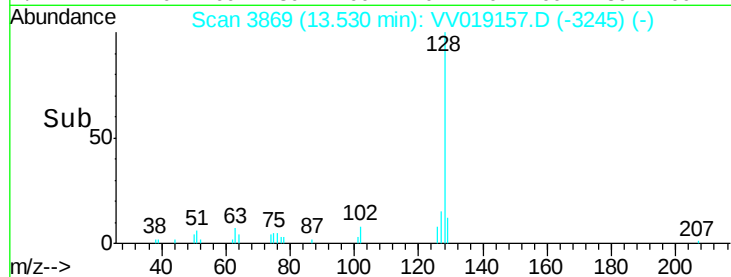
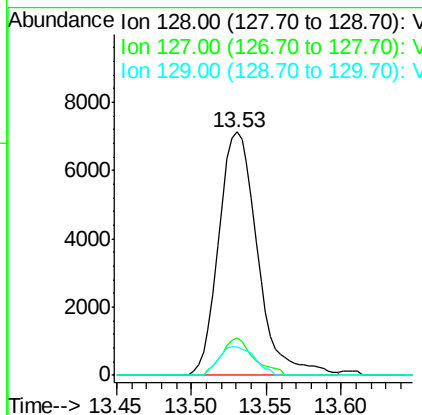
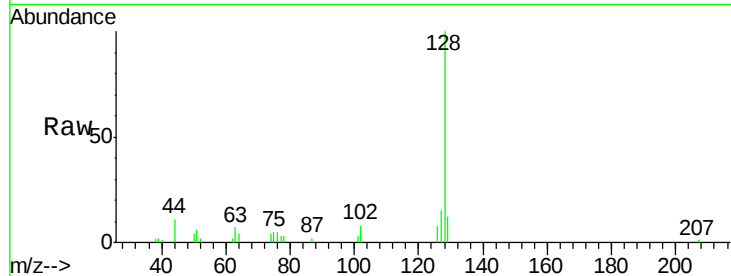
#69
Naphthalene
Concen: 1.834 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.8	8.6	13.0

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#70
1,2,3-Trichlorobenzene
Concen: 2.212 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VV019157.D
Acq: 29 Oct 2020 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.2	114.4
145	27.9	25.1	37.7

