

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018689.D
 Acq On : 06 Oct 2020 12:56
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:00:48 PM

Quant Time: Oct 07 06:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238955	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	237386	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	112369	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81317	54.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.70%
7) Chloroethane-d5	1.58	69	68081	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.68%
11) 1,1-Dichloroethene-d2	2.12	63	121645	39.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.26%
21) 2-Butanone-d5	3.92	46	92301	86.84	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.84%
24) Chloroform-d	4.37	84	144882	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.05	65	99932	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.07	84	281908	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
36) 1,2-Dichloropropane-d6	6.09	67	87541	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.84%
41) Toluene-d8	7.33	98	293157	53.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.16%
43) trans-1,3-Dichloropropene-	7.64	79	45366	46.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.80%
47) 2-Hexanone-d5	8.11	63	46942	66.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	66.17%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	90015	36.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.74%
66) 1,2-Dichlorobenzene-d4	11.65	152	110365	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3889	2.205 ug/L	98
3) Chloromethane	1.25	50	4336	2.217 ug/L	98
5) Vinyl chloride	1.32	62	5695	2.845 ug/L #	80
6) Bromomethane	1.53	94	3423	2.691 ug/L	99
8) Chloroethane	1.60	64	3046	2.361 ug/L	92
9) Trichlorofluoromethane	1.76	101	7779	2.733 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5386	3.087 ug/L #	85
12) 1,1-Dichloroethene	2.13	96	4815	2.902 ug/L #	1
13) Acetone	2.20	43	7040m	5.237 ug/L	
14) Carbon disulfide	2.31	76	12947	2.748 ug/L #	95
15) Methyl Acetate	2.46	43	5177	2.918 ug/L #	83
16) Methylene chloride	2.52	84	6246	3.325 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	3818	2.273 ug/L	96
18) Methyl tert-butyl Ether	2.78	73	11274	2.160 ug/L #	92
19) 1,1-Dichloroethane	3.22	63	7101	2.178 ug/L #	86
20) cis-1,2-Dichloroethene	3.93	96	4496	2.483 ug/L	87
22) 2-Butanone	4.02	43	5765m	4.320 ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018689.D
 Acq On : 06 Oct 2020 12:56
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

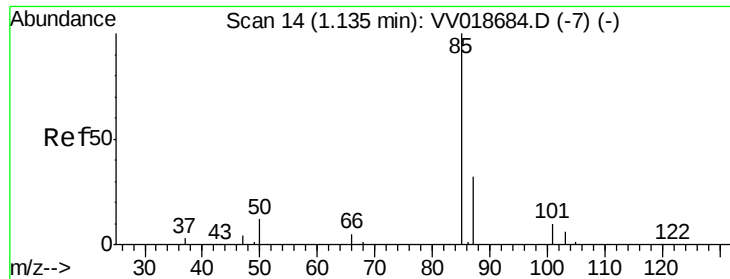
Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:00:48 PM

Quant Time: Oct 07 06:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2108	2.174	µg/L	94
25) Chloroform	4.40	83	10112	3.067	µg/L	96
27) 1,2-Dichloroethane	5.16	62	6168	2.415	µg/L #	92
29) Cyclohexane	4.70	56	6103	2.209	µg/L	98
30) 1,1,1-Trichloroethane	4.64	97	6771	2.319	µg/L	93
31) Carbon tetrachloride	4.85	117	6130	2.408	µg/L	95
33) Benzene	5.13	78	16341	2.298	µg/L	100
34) Trichloroethene	5.94	95	5779	2.957	µg/L	94
35) Methylcyclohexane	6.15	83	4882	1.720	µg/L	88
37) 1,2-Dichloropropane	6.20	63	3937	2.094	µg/L #	86
38) Bromodichloromethane	6.53	83	5680	2.309	µg/L	99
39) cis-1,3-Dichloropropene	7.05	75	7282	2.582	µg/L	100
40) 4-Methyl-2-pentanone	7.25	43	9272	4.156	µg/L	94
42) Toluene	7.41	91	18818	2.523	µg/L	93
44) trans-1,3-Dichloropropene	7.68	75	7373	2.637	µg/L	98
45) 1,1,2-Trichloroethane	7.86	97	3948	2.230	µg/L	91
46) Tetrachloroethene	8.00	164	3389	2.214	µg/L	92
48) 2-Hexanone	8.16	43	18442	9.753	µg/L	90
49) Dibromochloromethane	8.27	129	4049	2.054	µg/L	90
50) 1,2-Dibromoethane	8.38	107	4237	2.299	µg/L #	93
51) Chlorobenzene	8.90	112	11578	2.323	µg/L	95
52) Ethylbenzene	9.04	91	17565	2.140	µg/L	99
53) m,p-Xylene	9.16	106	6189	2.019	µg/L	96
54) o-Xylene	9.57	106	6021	2.039	µg/L	98
55) Styrene	9.59	104	9450	1.829	µg/L	91
57) 1,1,2,2-Tetrachloroethane	10.26	83	5144	1.993	µg/L #	93
59) Bromoform	9.75	173	2540	2.022	µg/L #	97
60) Isopropylbenzene	9.95	105	15063	2.175	µg/L	99
61) 1,2,3-Trichloropropane	10.30	75	5192	2.663	µg/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	11387	2.031	µg/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	11215	1.948	µg/L	98
64) 1,3-Dichlorobenzene	11.21	146	8324	2.365	µg/L	99
65) 1,4-Dichlorobenzene	11.30	146	9920	2.689	µg/L	96
67) 1,2-Dichlorobenzene	11.66	146	9576	2.706	µg/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	1254	2.545	µg/L	89
69) 1,3,5-Trichlorobenzene	12.67	180	6042	2.201	µg/L	98
70) 1,2,4-trichlorobenzene	13.29	180	5096	2.072	µg/L	93
71) Naphthalene	13.53	128	10412	1.632	µg/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4618	1.868	µg/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.205 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 3889

Ion Ratio Lower Upper

85 100

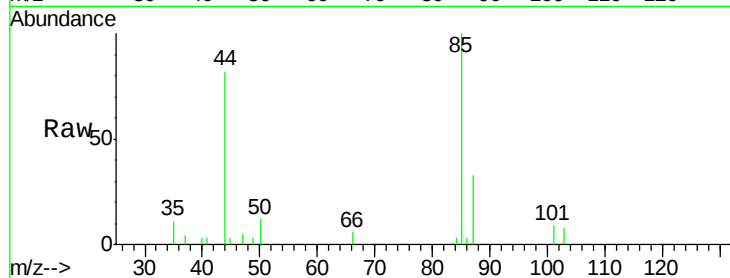
87 33.5 25.8 38.6

Manual Integrations

APPROVED

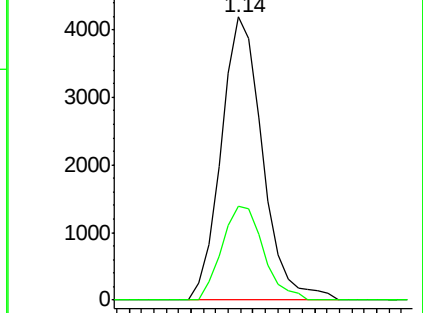
MMDadoda

10/12/2020 2:00:48 PM

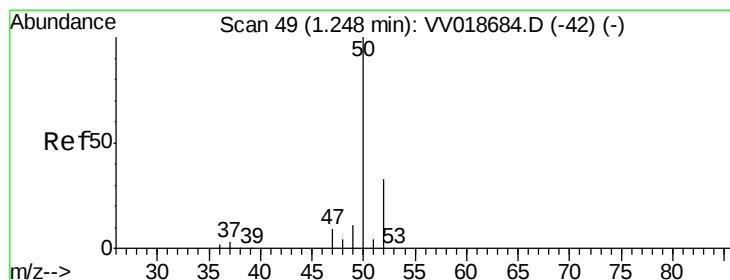
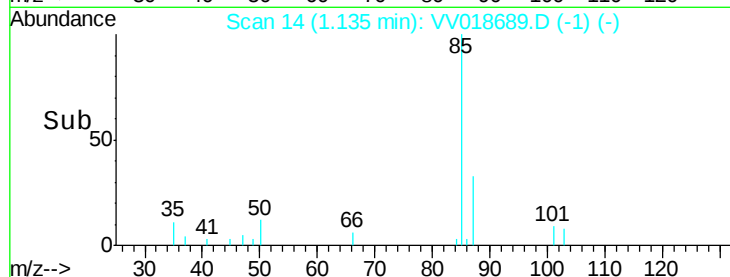


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time--> 1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 2.217 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018689.D

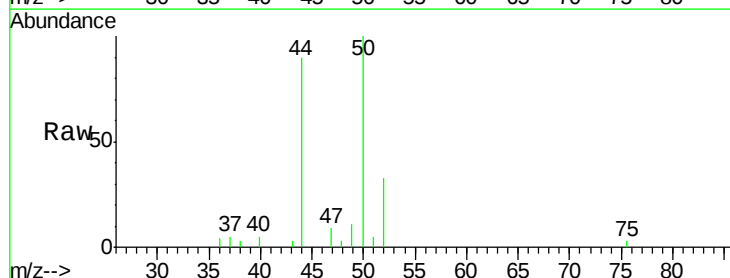
Acq: 06 Oct 2020 12:56

Tgt Ion: 50 Resp: 4336

Ion Ratio Lower Upper

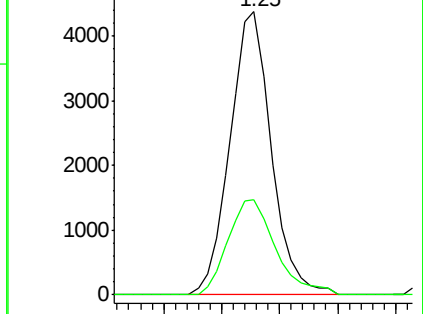
50 100

52 33.5 22.5 41.9

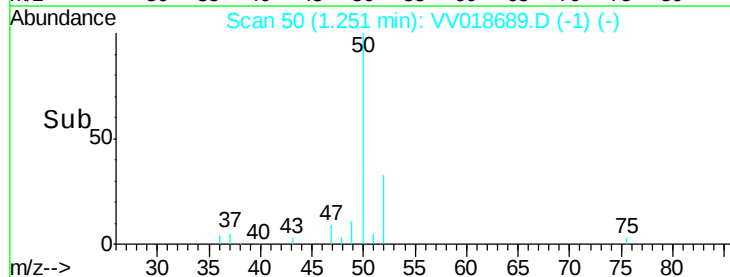


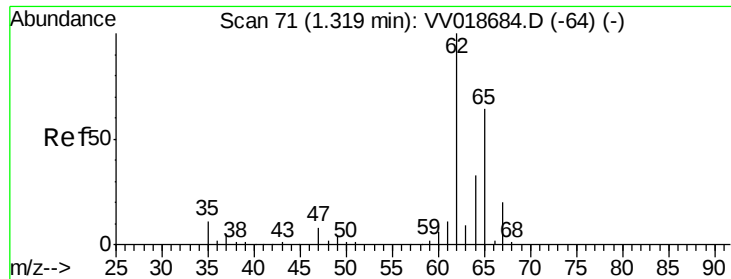
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time--> 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.845 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 62 Resp: 5695

Ion Ratio Lower Upper

62 100

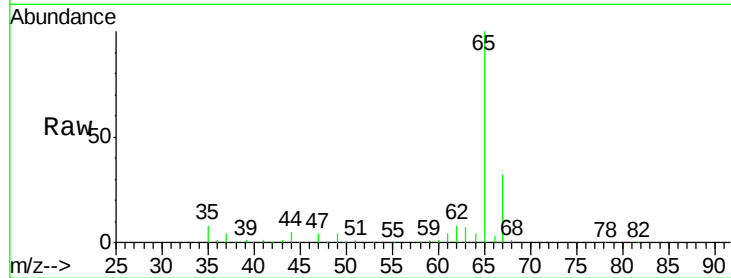
64 43.9 22.9 42.5#

Manual Integrations

APPROVED

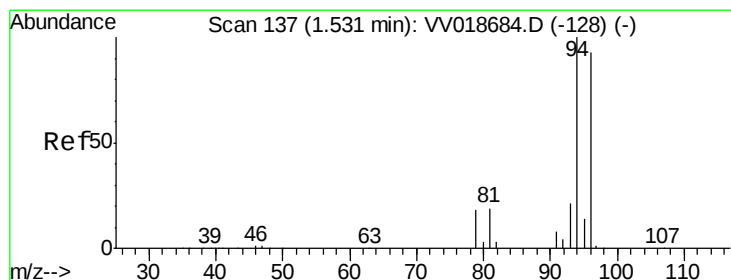
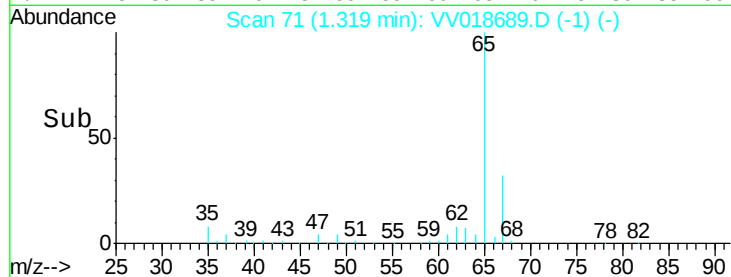
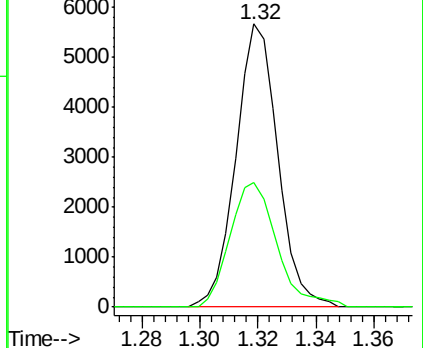
MMDadoda

10/12/2020 2:00:48 PM



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.691 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018689.D

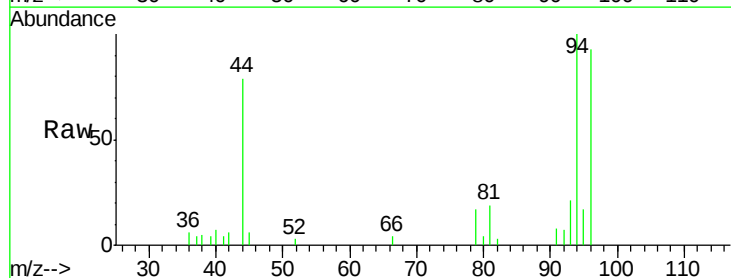
Acq: 06 Oct 2020 12:56

Tgt Ion: 94 Resp: 3423

Ion Ratio Lower Upper

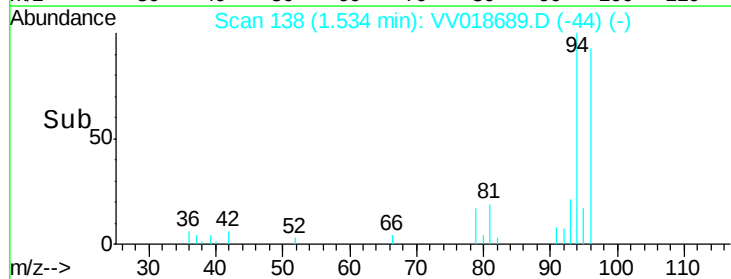
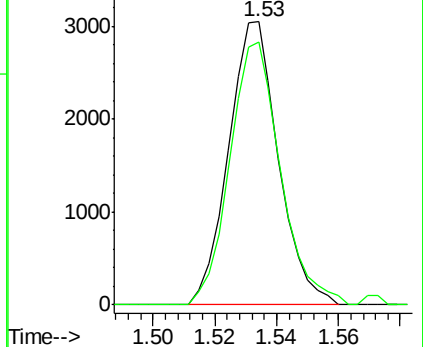
94 100

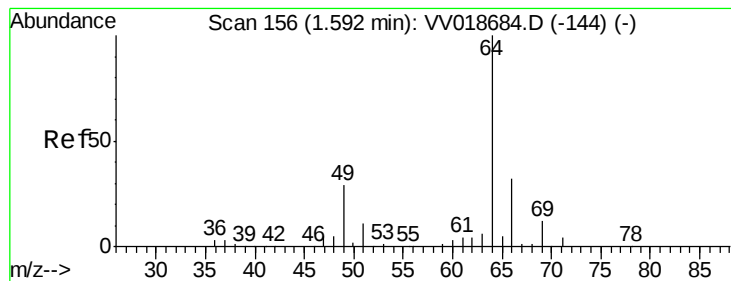
96 92.7 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.361 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 64 Resp: 3046

Ion Ratio Lower Upper

64 100

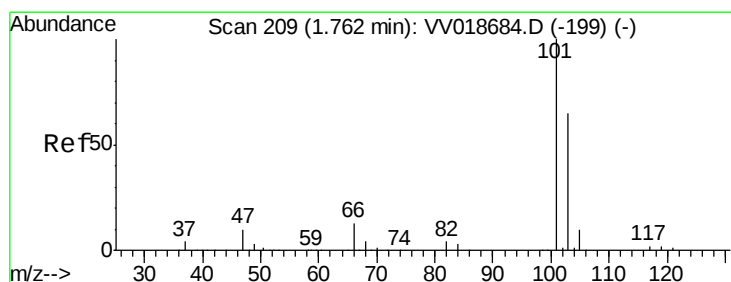
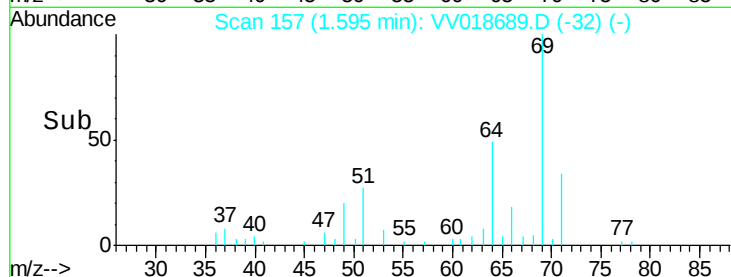
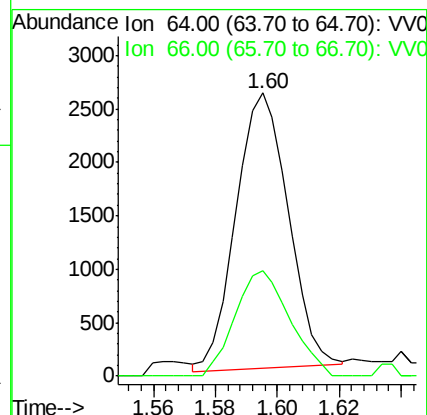
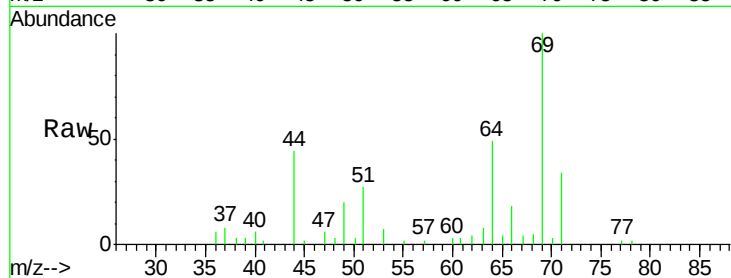
66 37.2 23.0 42.6

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#9

Trichlorofluoromethane

Concen: 2.733 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018689.D

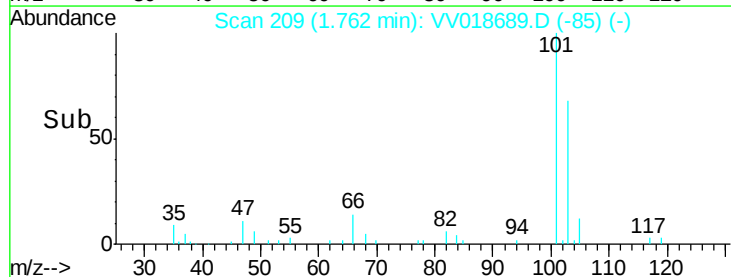
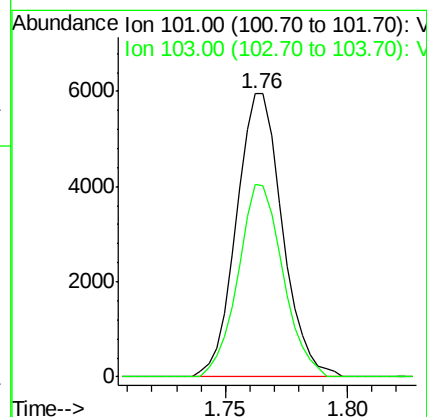
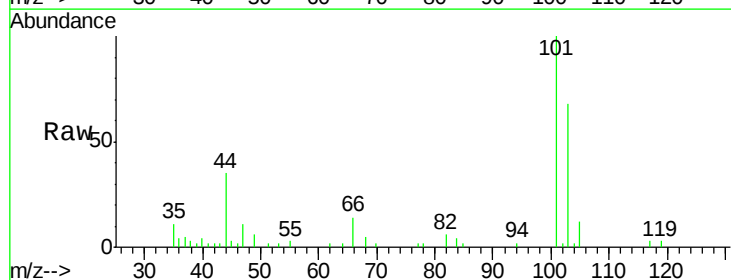
Acq: 06 Oct 2020 12:56

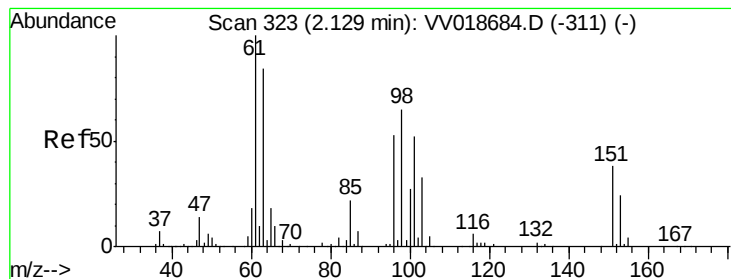
Tgt Ion: 101 Resp: 7779

Ion Ratio Lower Upper

101 100

103 66.2 52.1 78.1





#10

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

Concen: 3.087 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

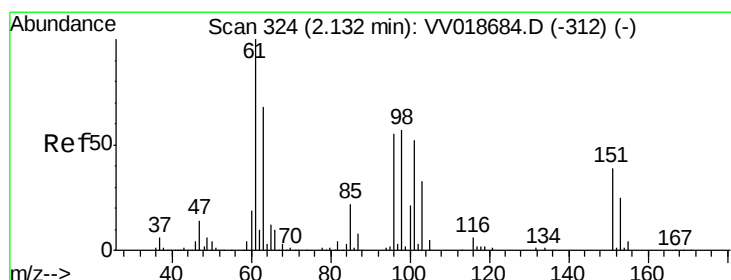
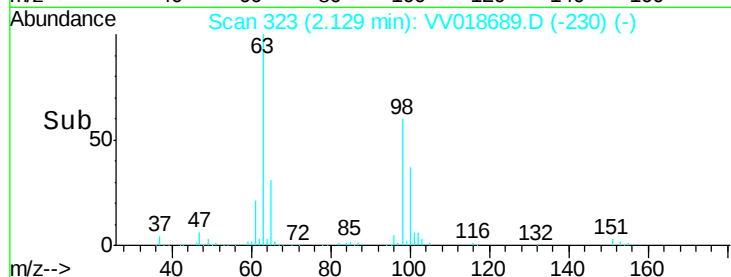
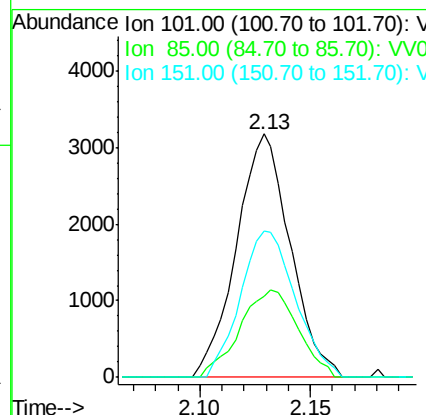
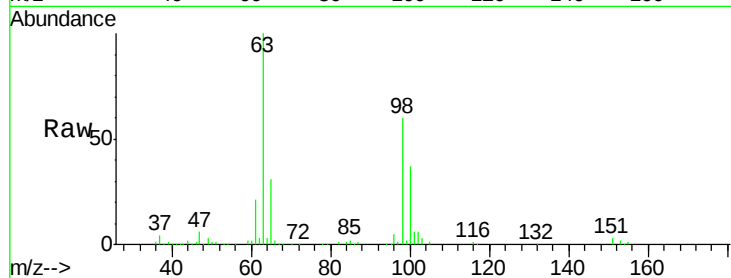
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	5386
Ion Ratio	Lower	Upper	
101	100		
85	38.8	34.6	51.8
151	61.5	62.4	93.6#

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:48 PM



#12

1,1-Dichloroethene

Concen: 2.902 ug/L

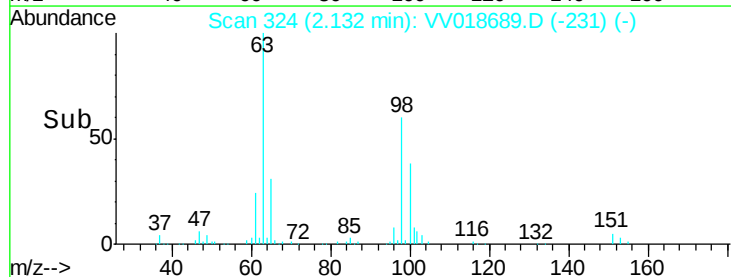
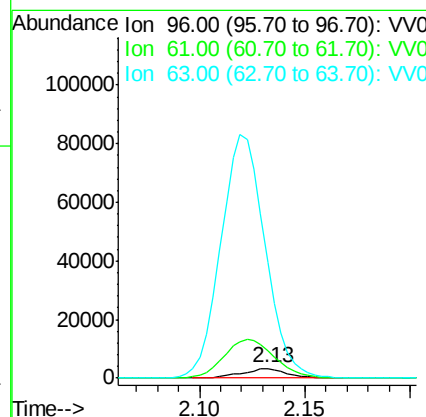
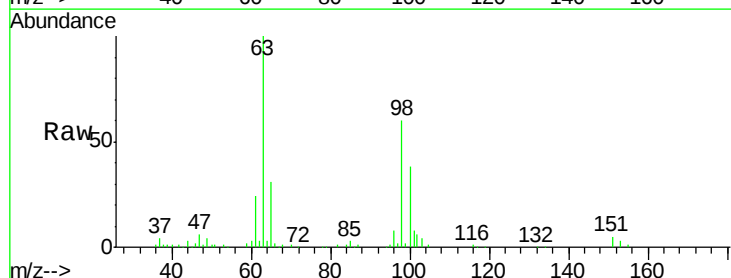
RT: 2.13 min Scan# 324

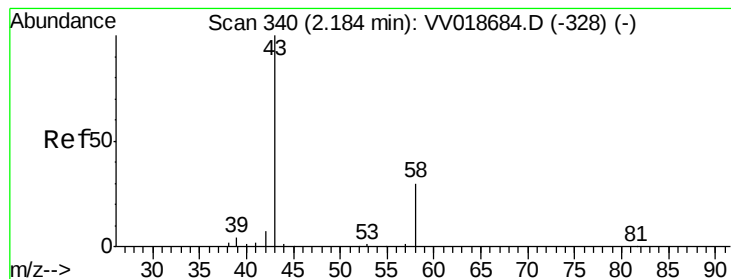
Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tgt Ion:	96	Resp:	4815
Ion Ratio	Lower	Upper	
96	100		
61	293.3	121.0	224.8#
63	1227.6	93.0	172.6#





#13

Acetone

Concen: 5.237 ug/L m

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tot Ion: 43 Resp: 7040

Ion Ratio Lower Upper

43 100

58 11.7 0.0 65.8

Instrument :

MSVOA_V

ClientSampled :

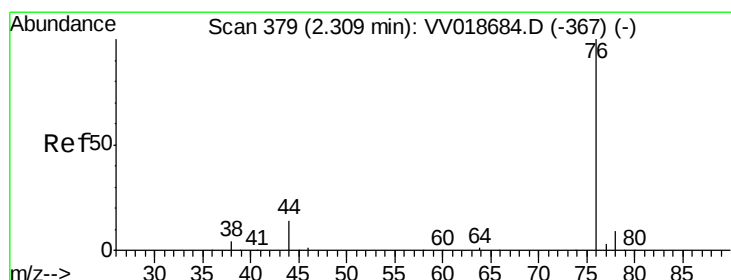
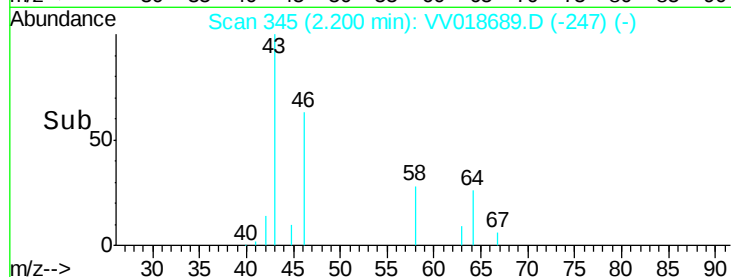
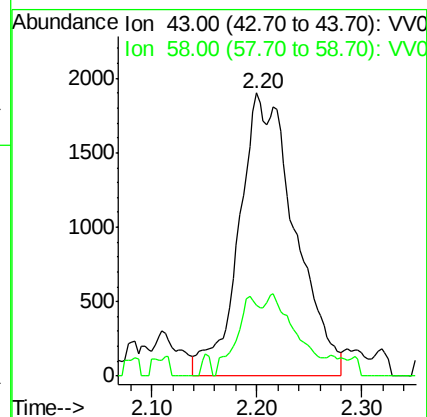
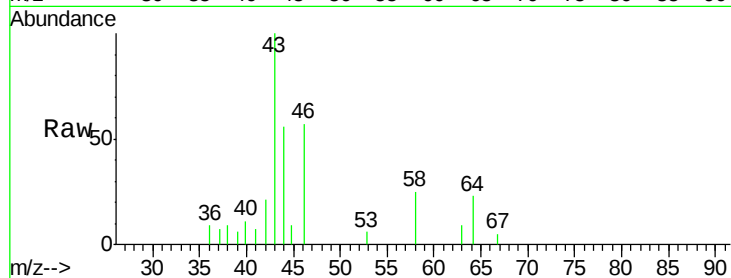
MDL01

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#14

Carbon disulfide

Concen: 2.748 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018689.D

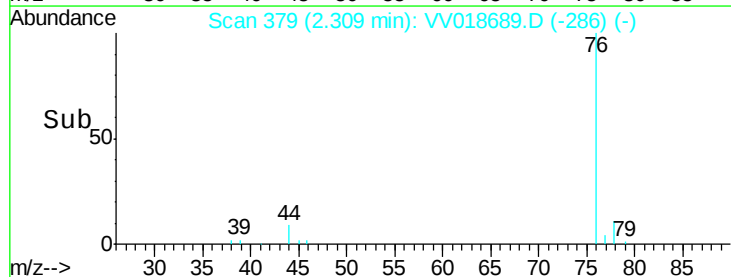
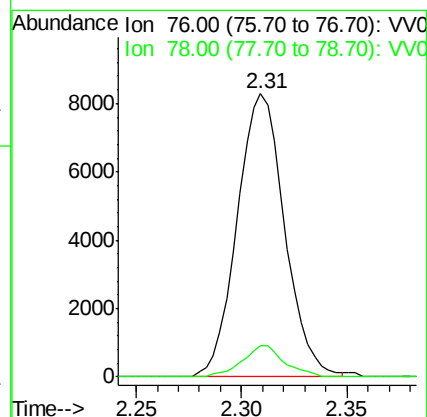
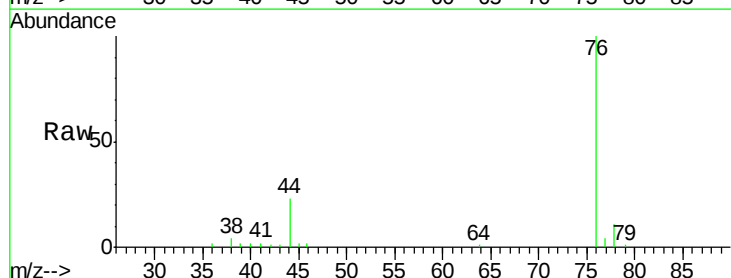
Acq: 06 Oct 2020 12:56

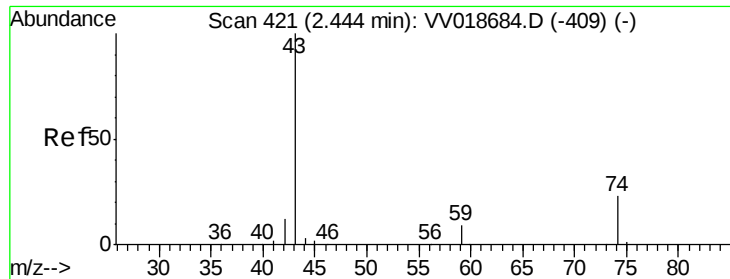
Tgt Ion: 76 Resp: 12947

Ion Ratio Lower Upper

76 100

78 10.9 7.2 10.8#





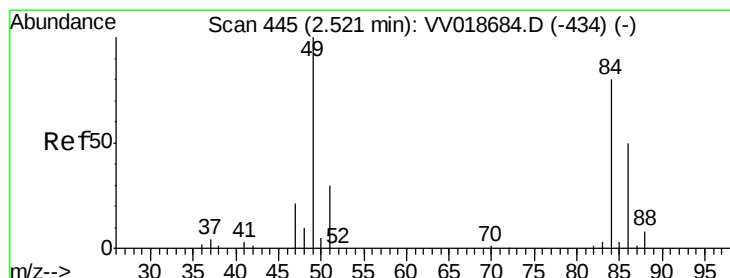
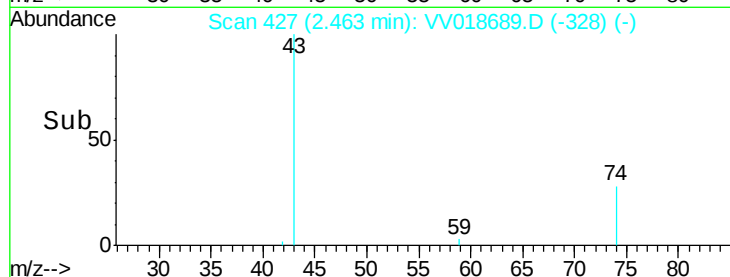
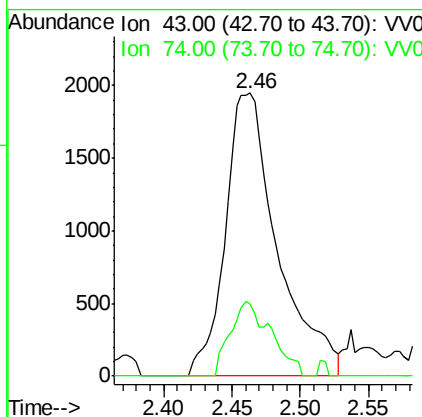
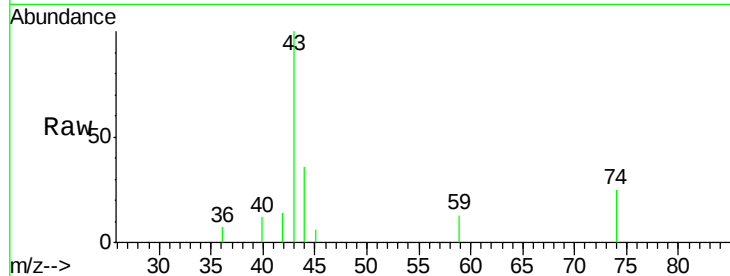
#15
Methvl Acetate
Concen: 2.918 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.02 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 5177
Ion Ratio Lower Upper
43 100
74 14.8 18.4 27.6#

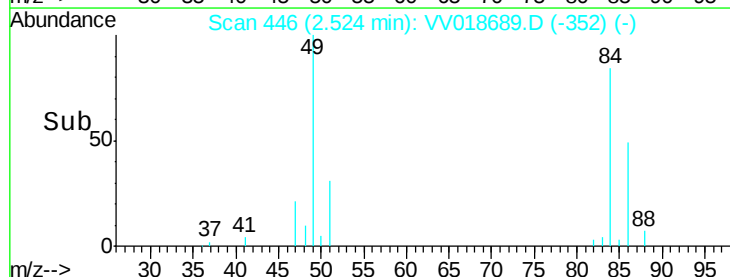
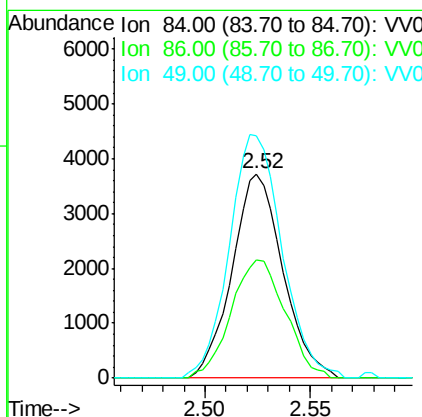
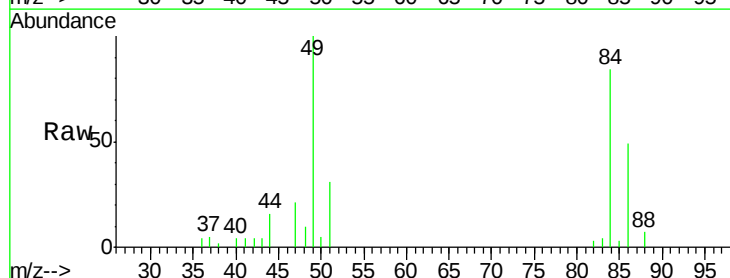
Manual Integrations
APPROVED

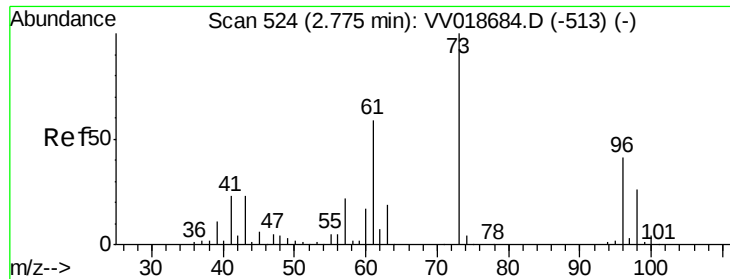
MMDadoda
10/12/2020 2:00:48 PM



#16
Methylene chloride
Concen: 3.325 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion: 84 Resp: 6246
Ion Ratio Lower Upper
84 100
86 58.0 46.0 85.4
49 119.0 87.5 162.5





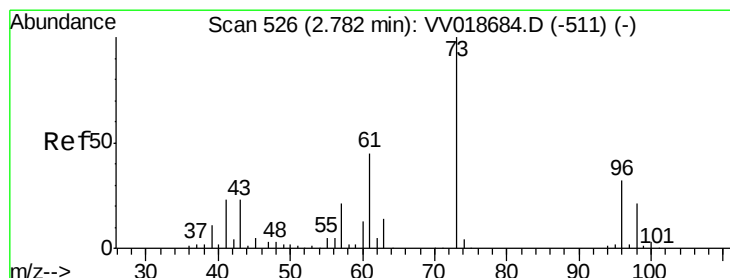
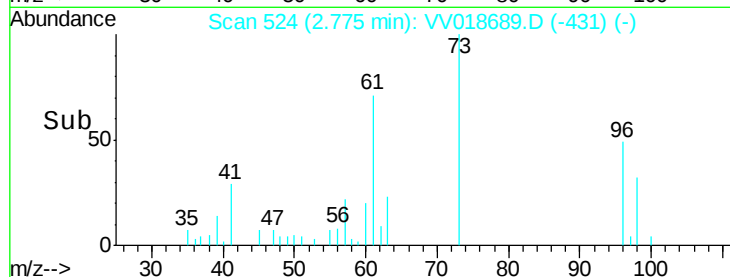
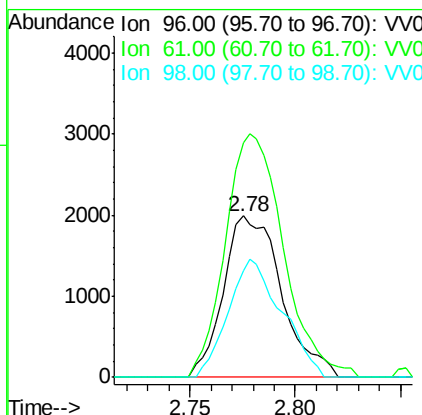
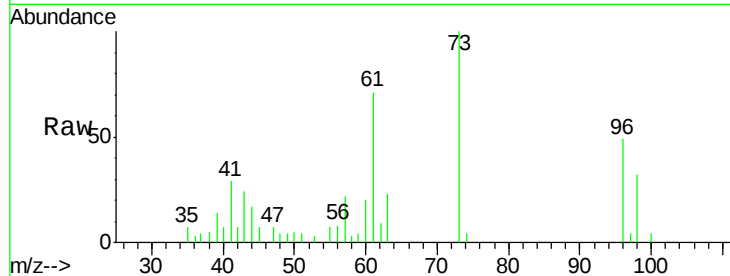
#17
trans-1,2-Dichloroethene
Concen: 2.273 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	98.3	182.5
98	66.4	43.5	80.7

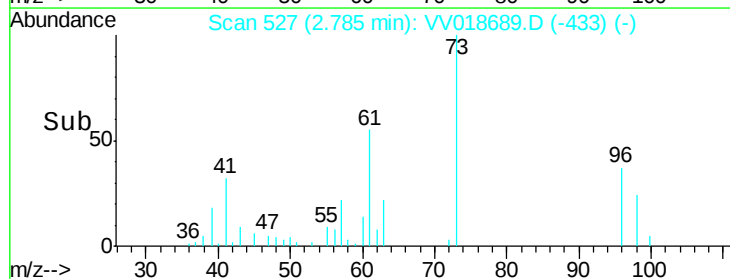
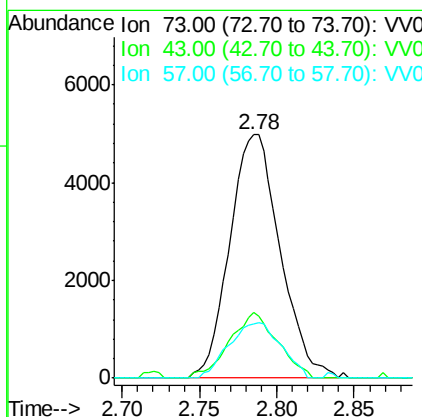
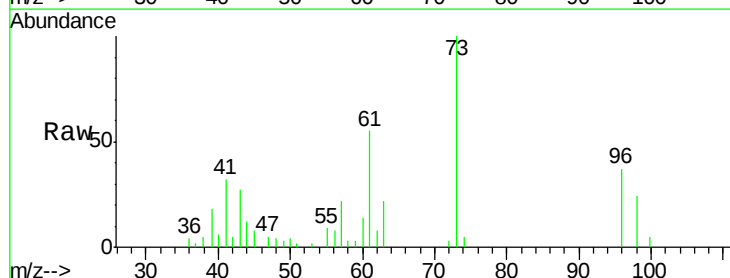
Manual Integrations
APPROVED

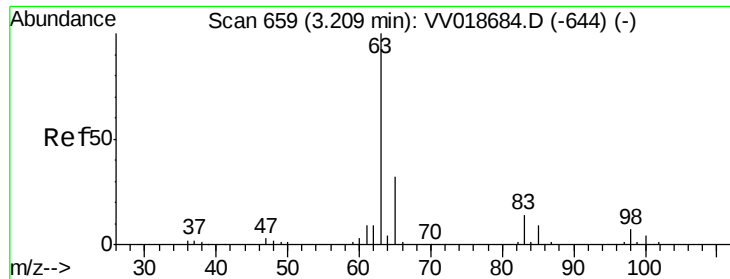
MMDadoda
10/12/2020 2:00:48 PM



#18
Methyl tert-butyl Ether
Concen: 2.160 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.7	15.4	23.2#
57	23.4	17.8	26.6





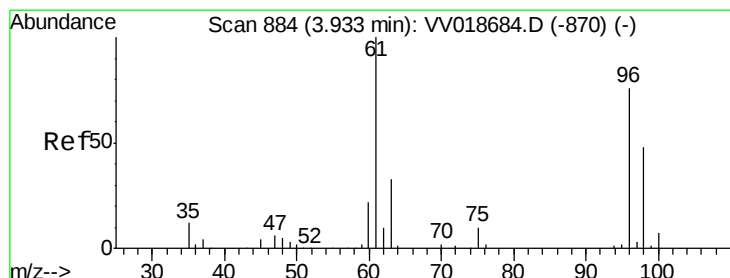
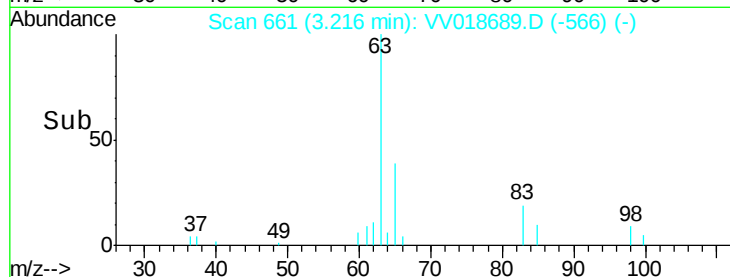
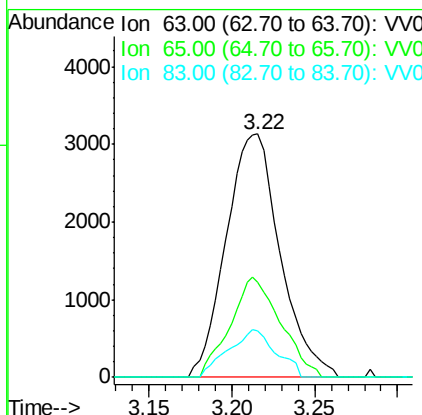
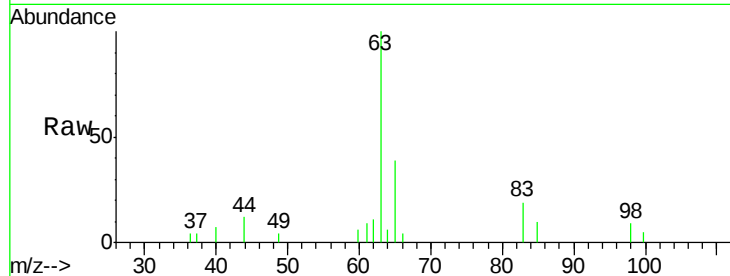
#19
 1,1-Dichloroethane
 Concen: 2.178 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	39.1	21.8	40.6
83	19.1	9.2	17.2

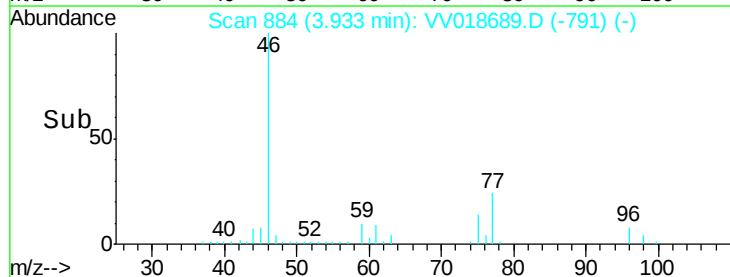
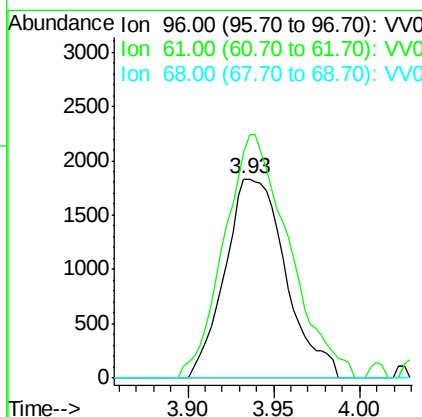
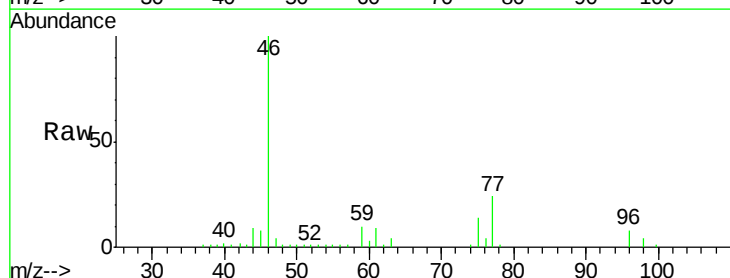
Manual Integrations
 APPROVED

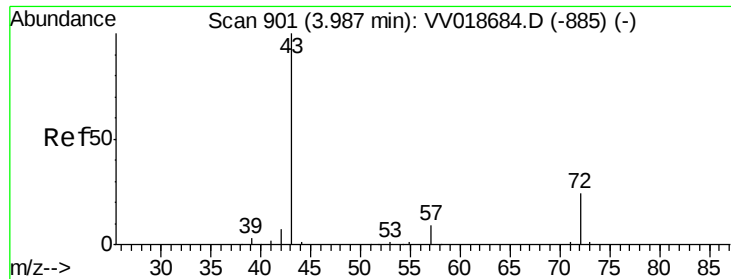
MMDadoda
 10/12/2020 2:00:48 PM



#20
 cis-1,2-Dichloroethene
 Concen: 2.483 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.5	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.320 ug/L m

RT: 4.02 min Scan# 910

Delta R.T. 0.03 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 5765

Ion Ratio Lower Upper

43 100

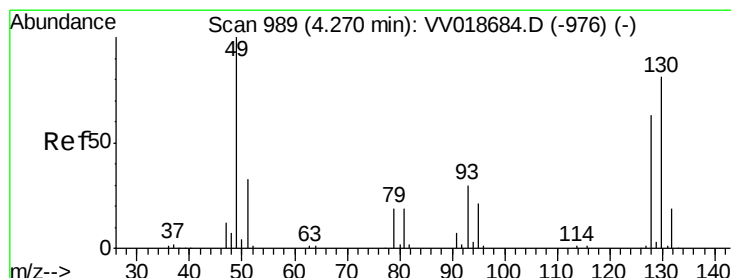
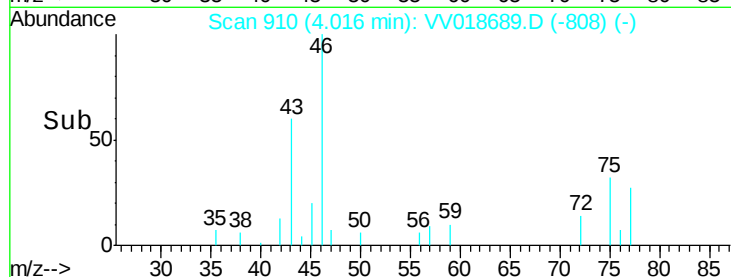
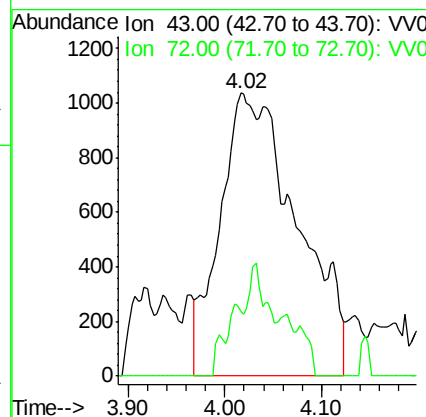
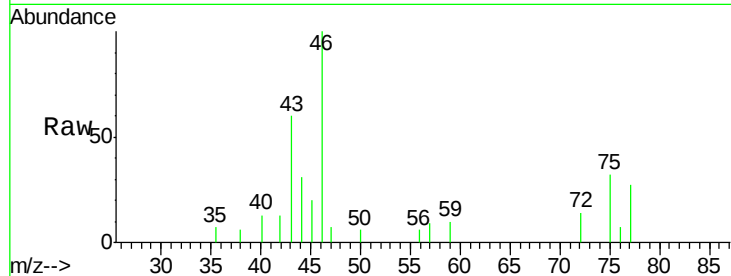
72 1.8 12.8 38.3#

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#23

Bromochloromethane

Concen: 2.174 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tgt Ion: 128 Resp: 2108

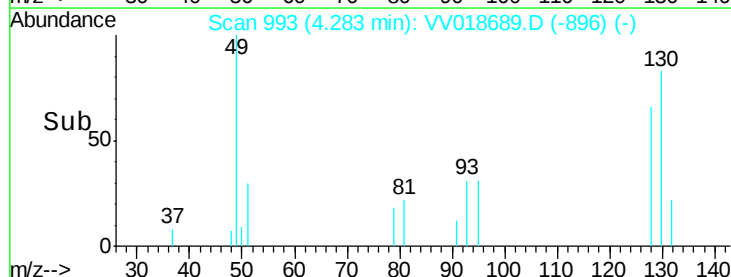
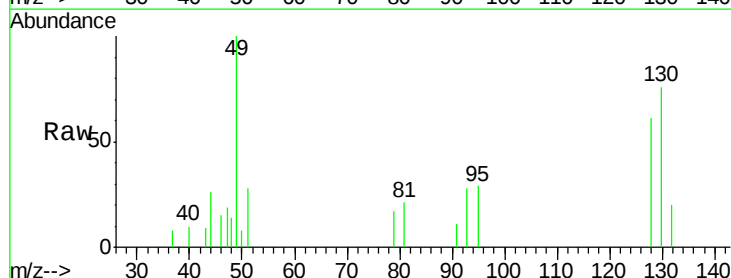
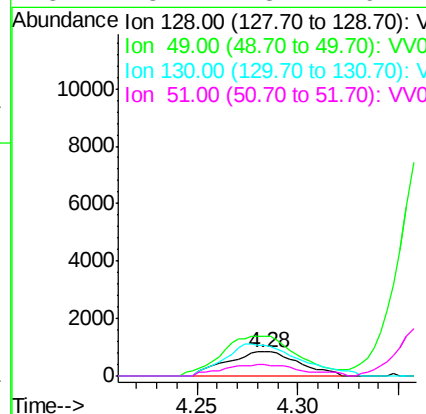
Ion Ratio Lower Upper

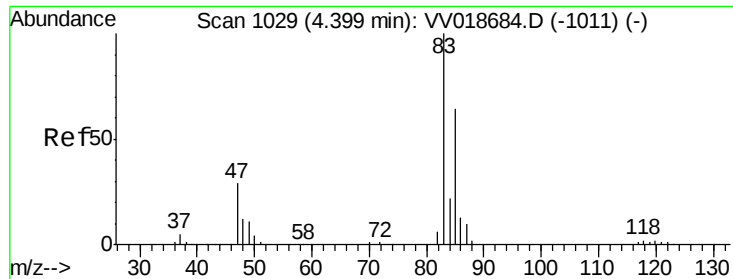
128 100

49 164.6 120.3 223.3

130 125.6 91.3 169.5

51 45.4 43.1 64.7





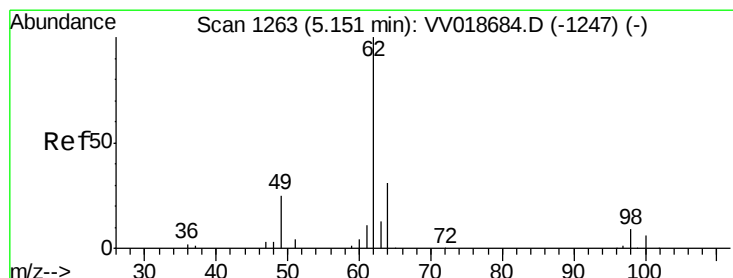
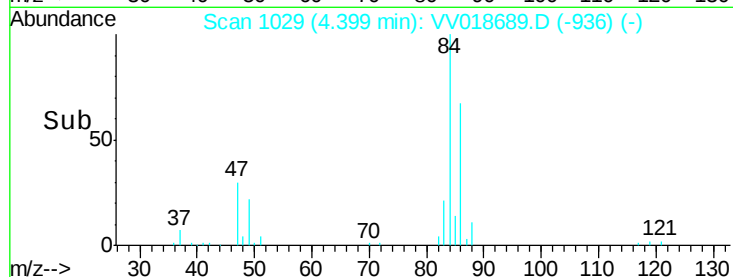
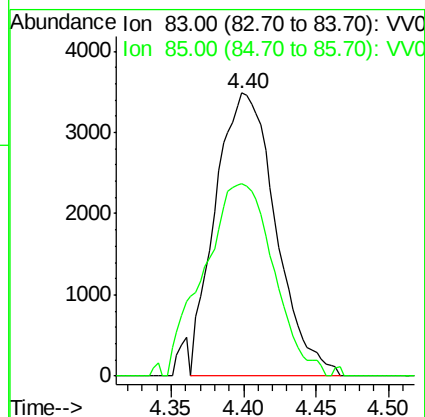
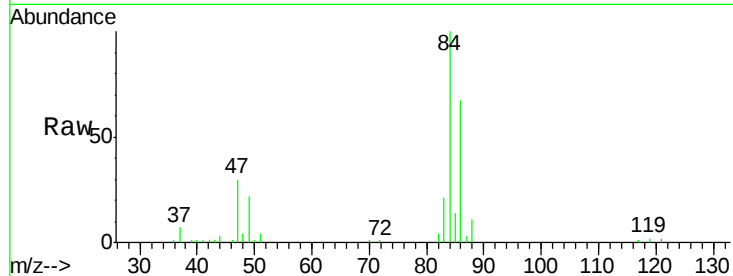
#25
Chloroform
Concen: 3.067 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	83	Resp	10112
Ion Ratio	100	Lower	Upper
85	67.8	45.2	84.0

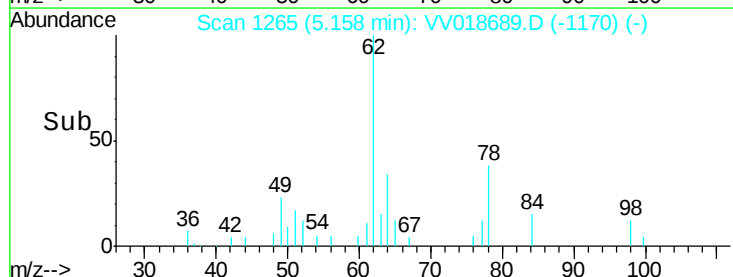
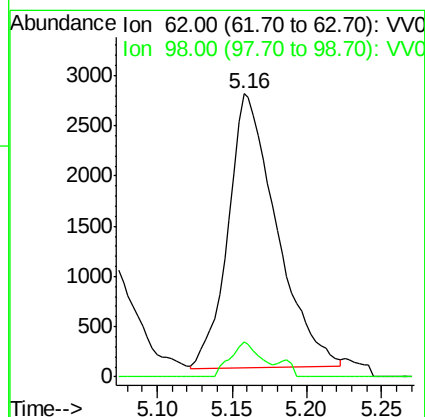
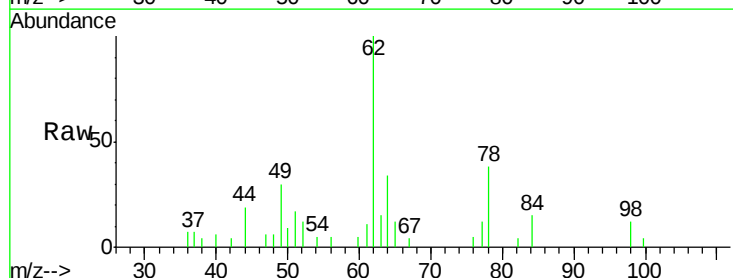
Manual Integrations
APPROVED

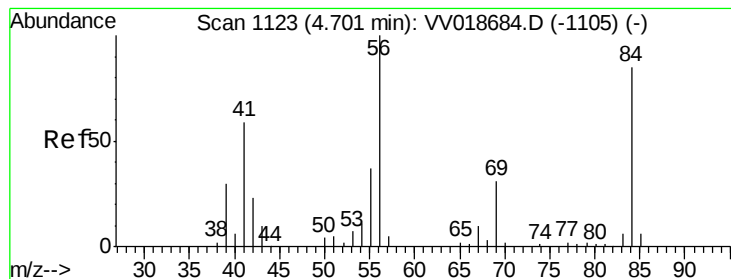
MMDadoda
10/12/2020 2:00:48 PM



#27
1,2-Dichloroethane
Concen: 2.415 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	62	Resp	6168
Ion Ratio	100	Lower	Upper
98	12.3	7.4	11.2#





#29

Cyclohexane

Concen: 2.209 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

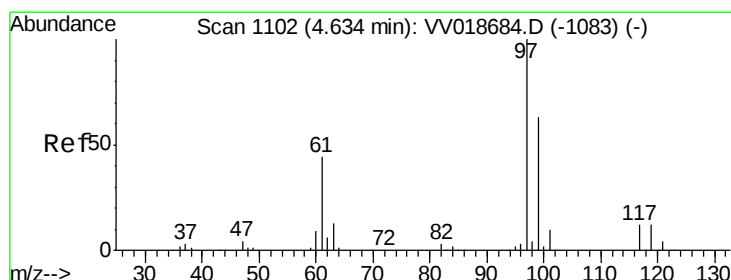
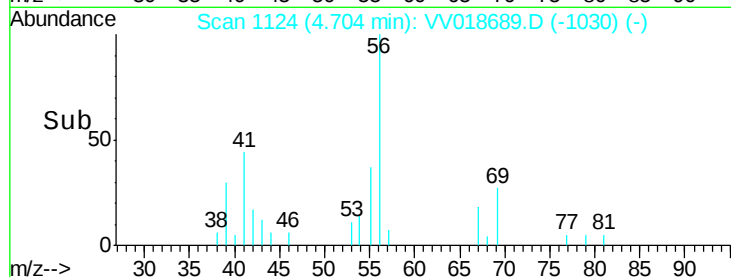
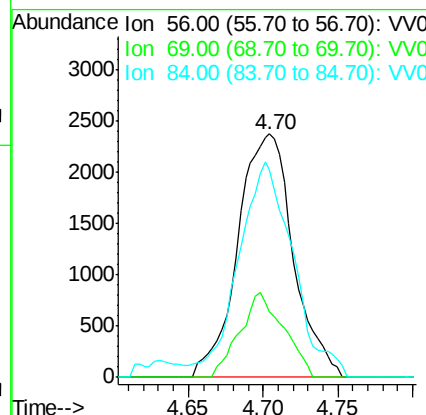
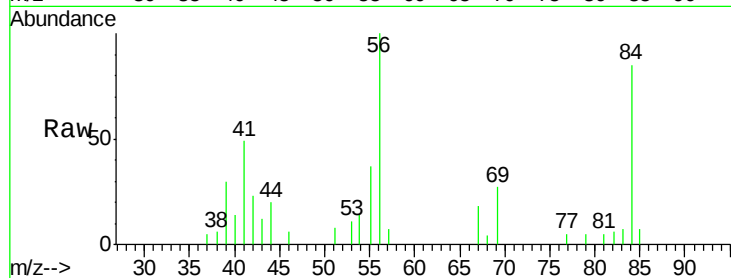
ClientSampled :

MDL01

Tot Ion:	56	Resp:	6103
Ion	Ratio	Lower	Upper
56	100		
69	27.4	24.4	36.6
84	86.8	68.6	102.8

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:48 PM



#30

1,1,1-Trichloroethane

Concen: 2.319 ug/L

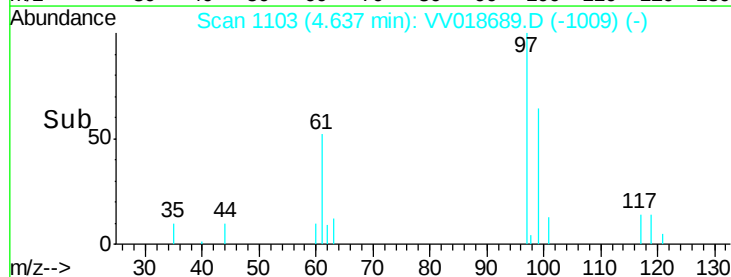
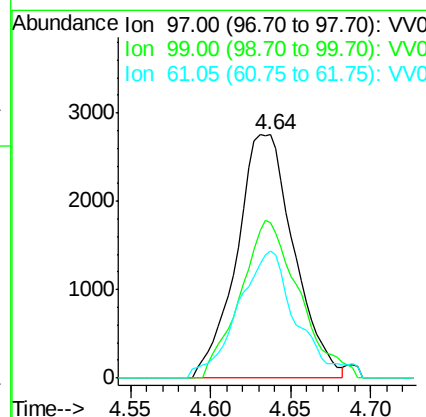
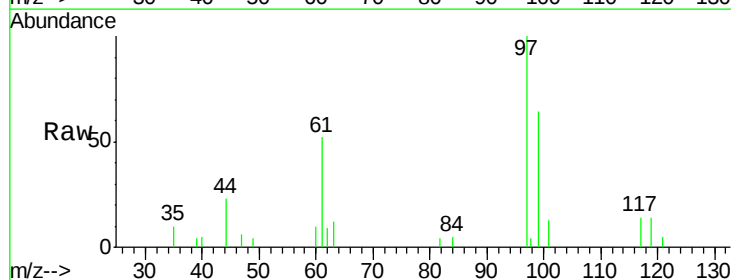
RT: 4.64 min Scan# 1103

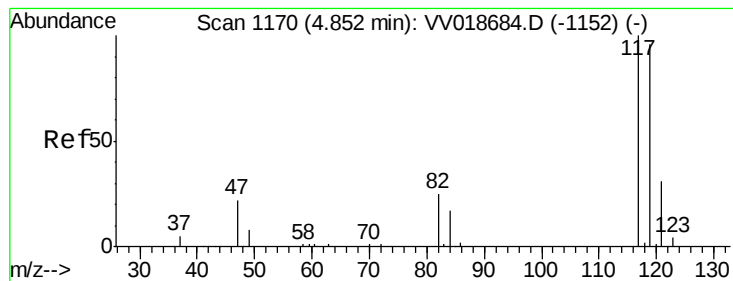
Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tgt Ion:	97	Resp:	6771
Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.7	76.1
61	51.1	35.0	52.6





#31

Carbon tetrachloride

Concen: 2.408 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:117 Resp: 6130

Ion Ratio Lower Upper

117 100

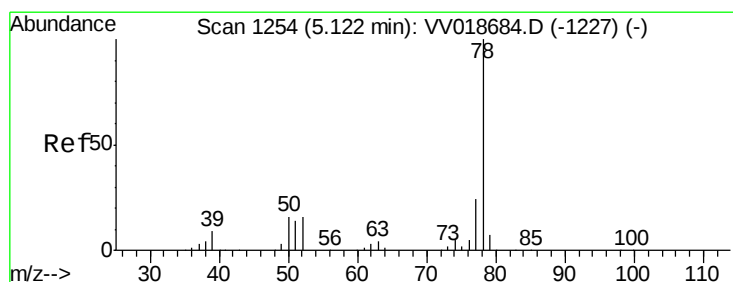
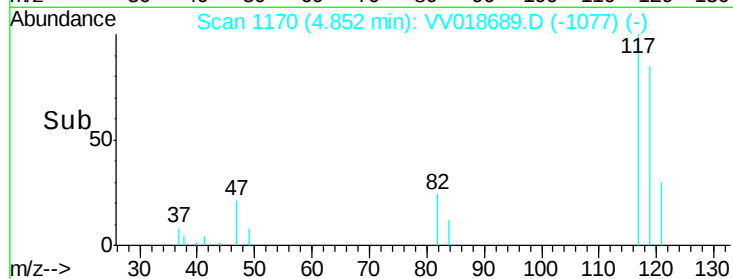
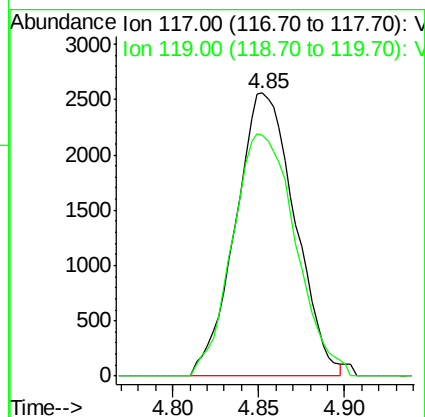
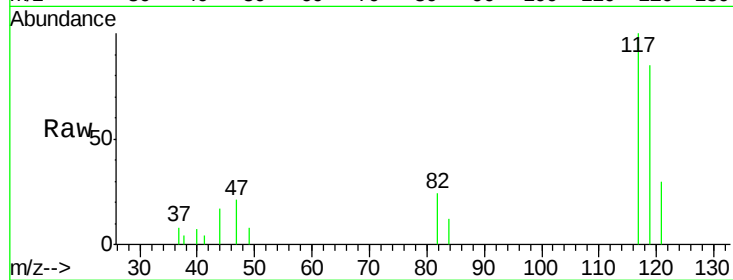
119 91.0 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#33

Benzene

Concen: 2.298 ug/L

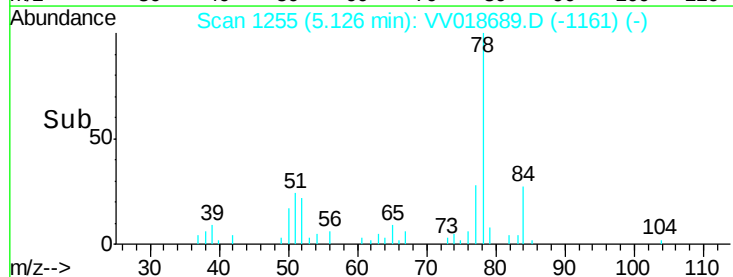
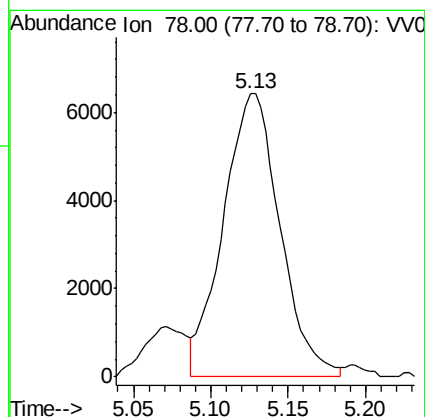
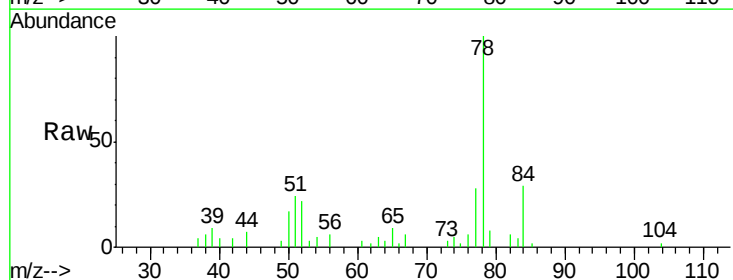
RT: 5.13 min Scan# 1255

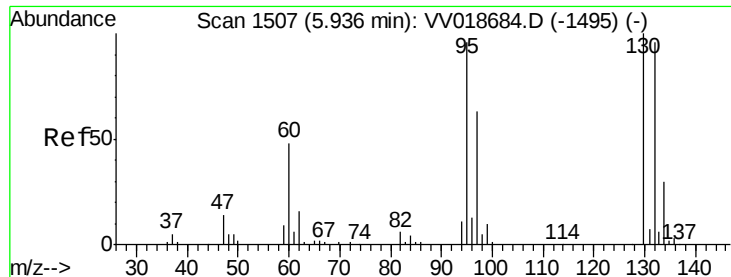
Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tgt Ion: 78 Resp: 16341





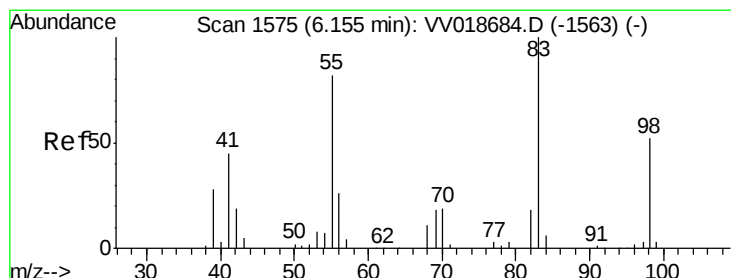
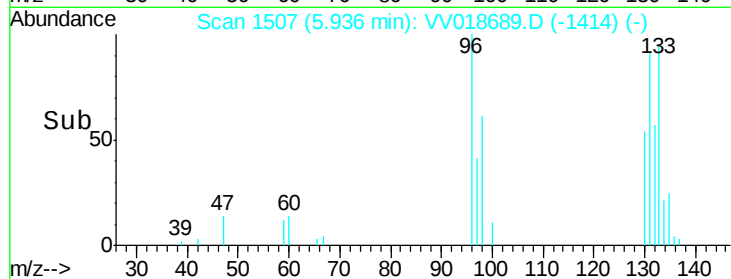
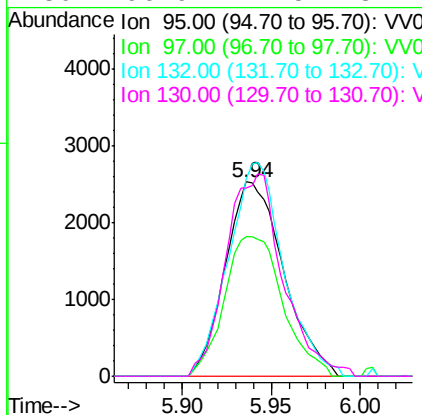
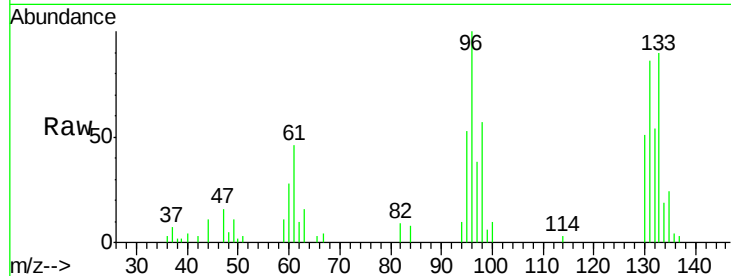
#34
 Trichloroethene
 Concen: 2.957 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	95	Resp	5779
Ion	Ratio	Lower	Upper
95	100		
97	72.2	44.7	83.1
132	101.3	67.8	126.0
130	96.9	71.5	132.7

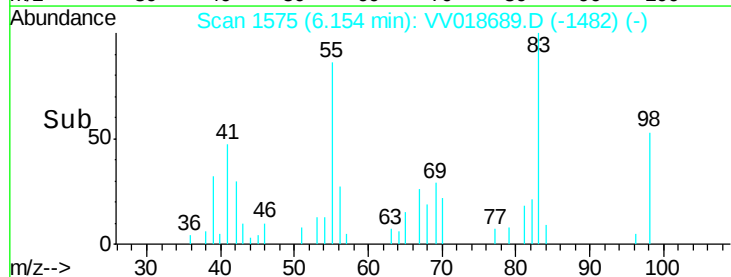
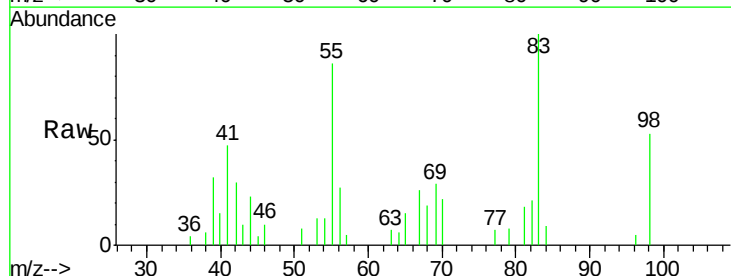
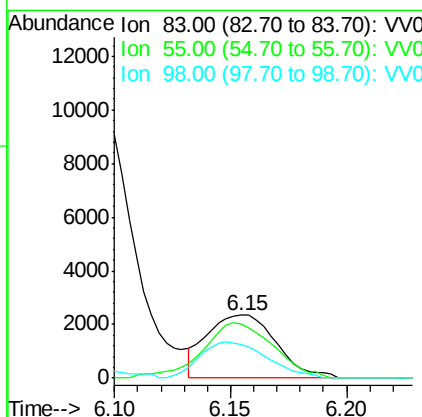
Manual Integrations
 APPROVED

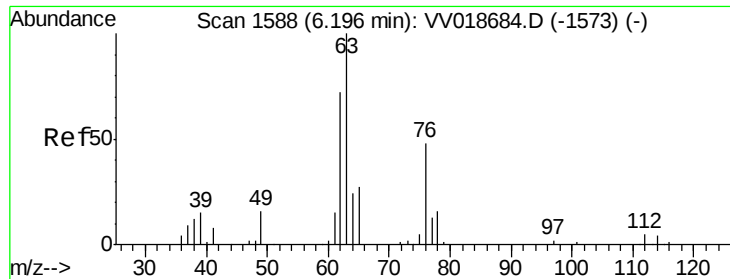
MMDadoda
 10/12/2020 2:00:48 PM



#35
 Methylcyclohexane
 Concen: 1.720 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	83	Resp	4882
Ion	Ratio	Lower	Upper
83	100		
55	89.8	63.6	95.4
98	56.1	38.6	58.0





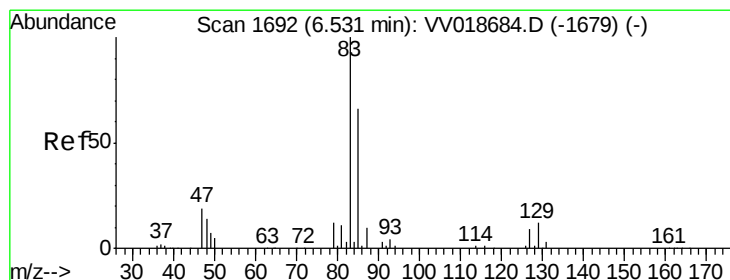
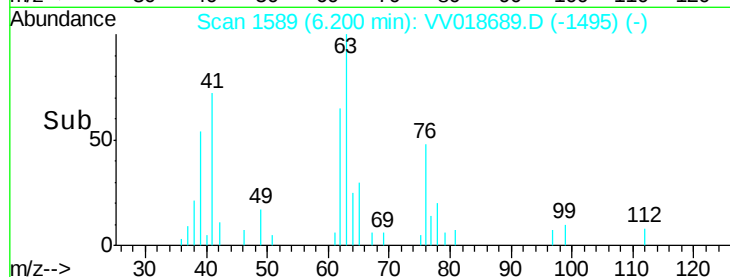
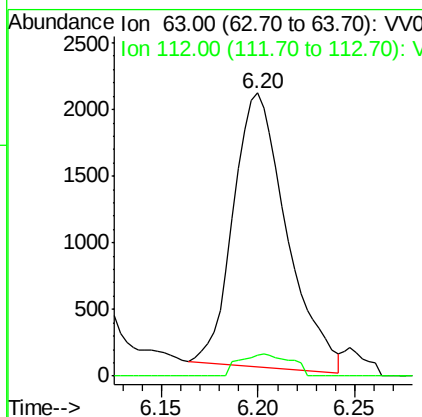
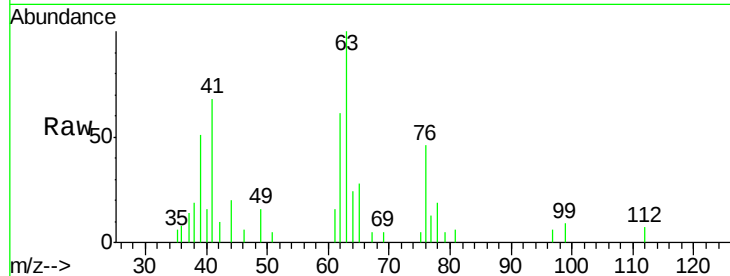
#37
 1,2-Dichloropropane
 Concen: 2.094 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 3937
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#

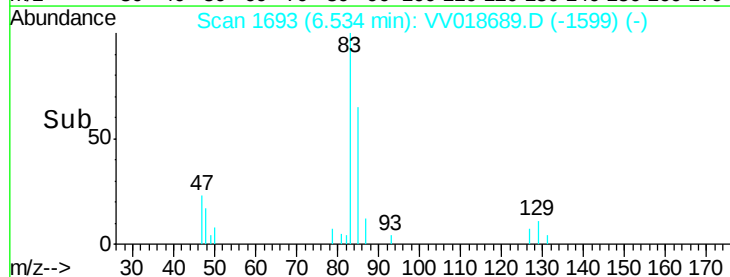
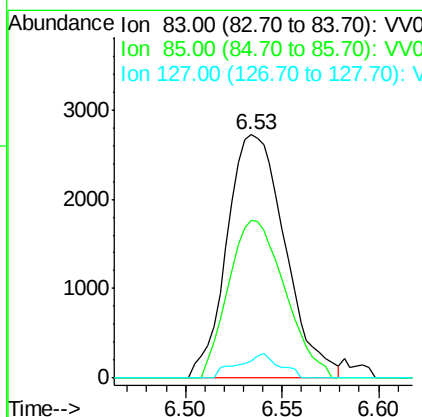
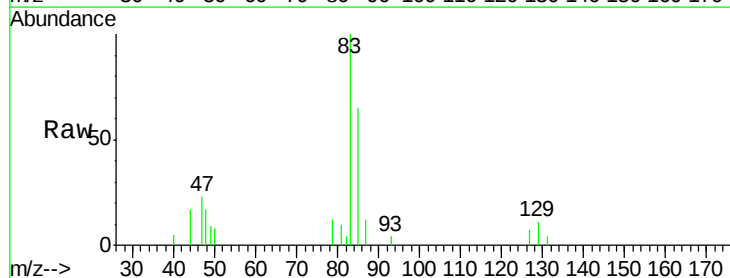
Manual Integrations
 APPROVED

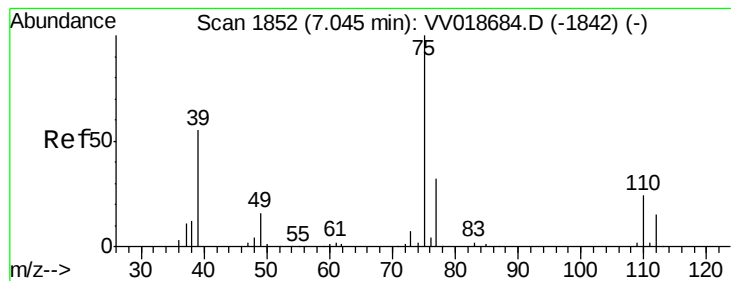
MMDadoda
 10/12/2020 2:00:48 PM



#38
 Bromodichloromethane
 Concen: 2.309 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion: 83 Resp: 5680
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.9
 127 7.2 6.8 10.2





#39

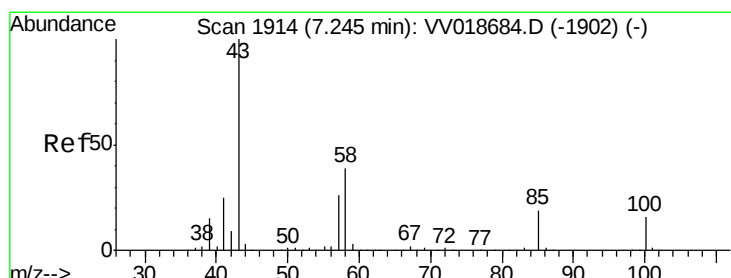
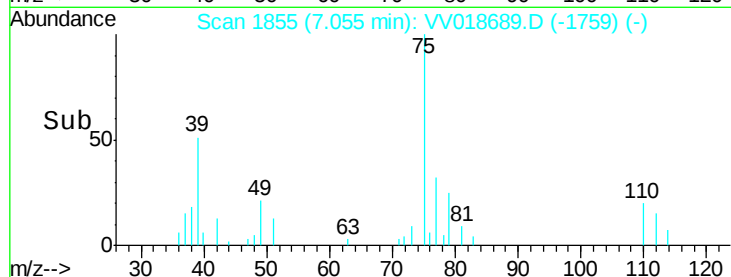
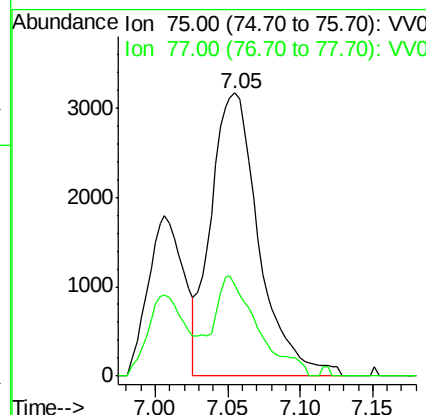
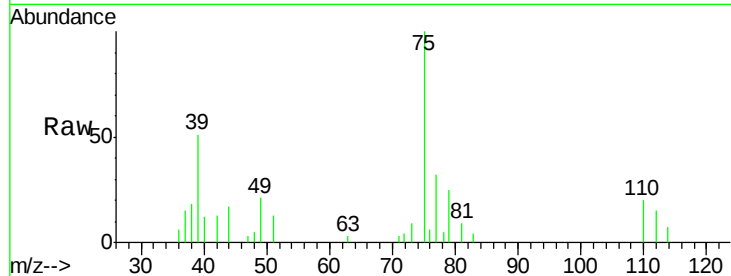
cis-1,3-Dichloropropene
Concen: 2.582 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	22.7	42.1

Manual Integrations
APPROVED

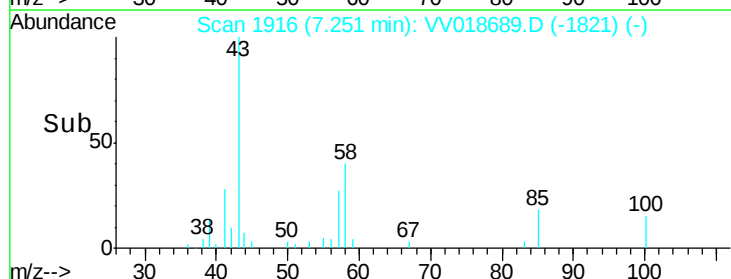
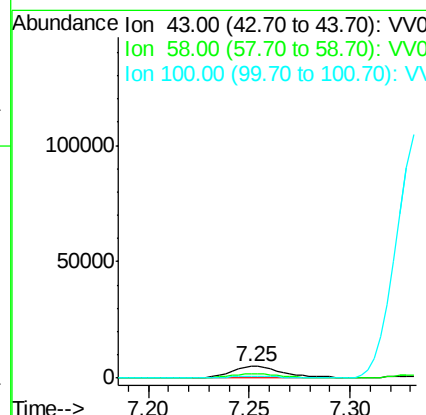
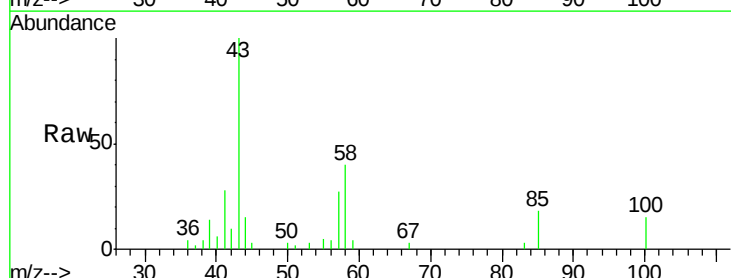
MMDadoda
10/12/2020 2:00:48 PM

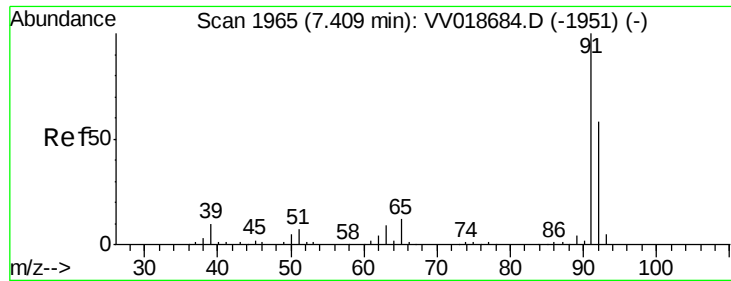


#40

4-Methyl-2-pentanone
Concen: 4.156 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	32.4	48.6
100	14.9	13.0	19.4





#42

Toluene

Concen: 2.523 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 18818

Ion Ratio Lower Upper

91 100

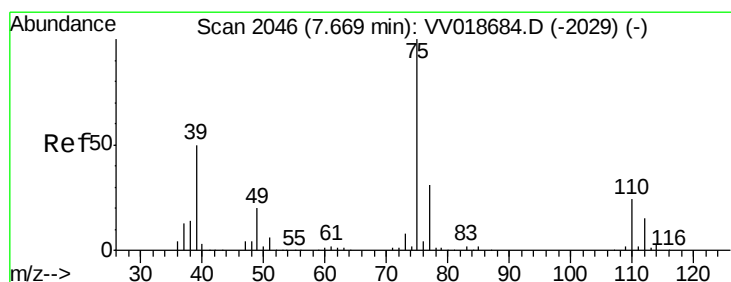
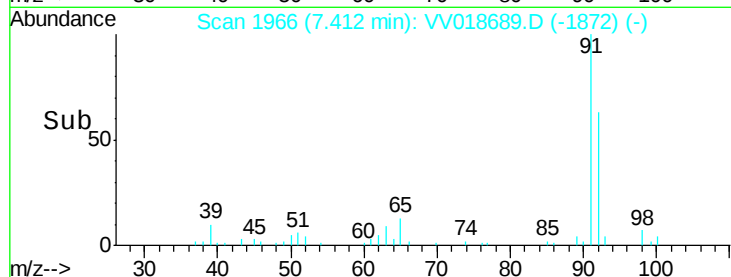
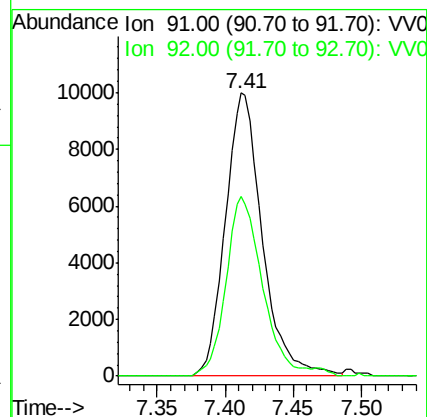
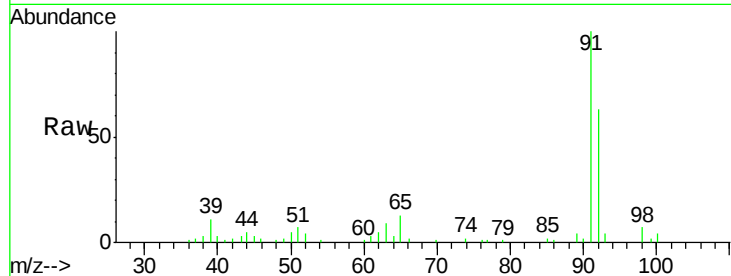
92 63.4 40.7 75.7

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#44

trans-1,3-Dichloropropene

Concen: 2.637 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018689.D

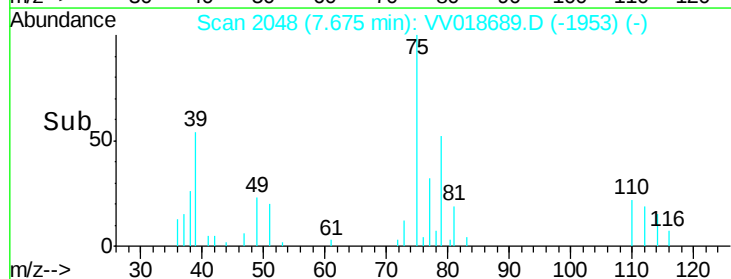
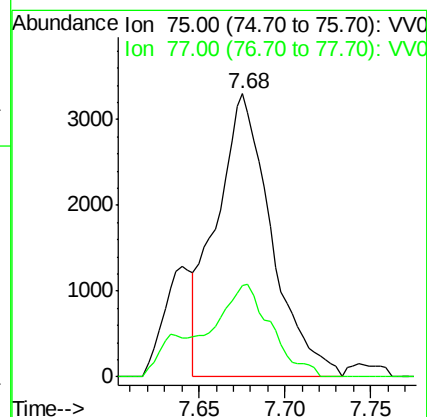
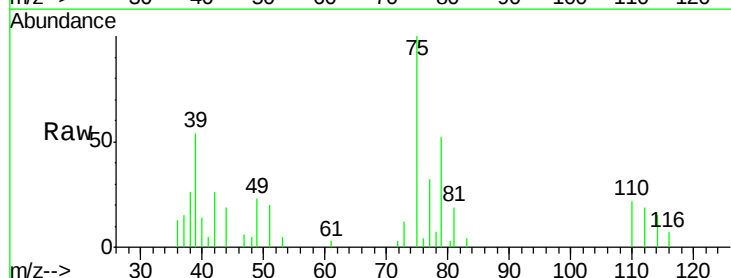
Acq: 06 Oct 2020 12:56

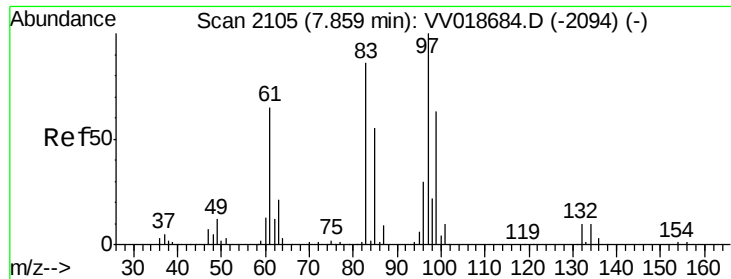
Tgt Ion: 75 Resp: 7373

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4





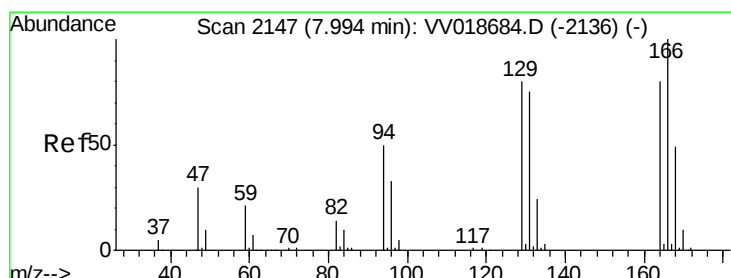
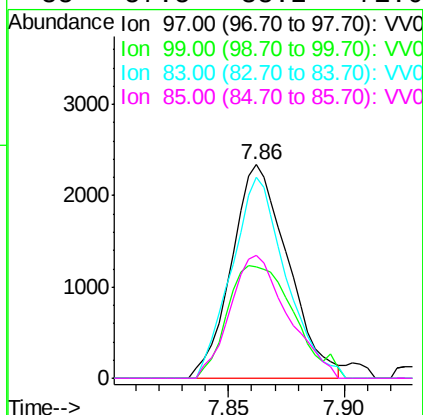
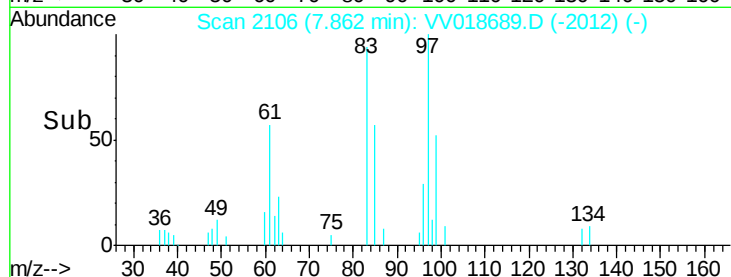
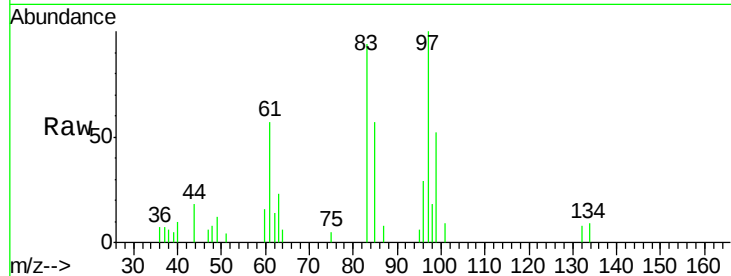
#45
1,1,2-Trichloroethane
Concen: 2.230 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:	97	Resp:	3948
Ion	Ratio	Lower	Upper
97	100		
99	52.0	44.6	82.8
83	93.8	60.5	112.5
85	57.5	38.2	71.0

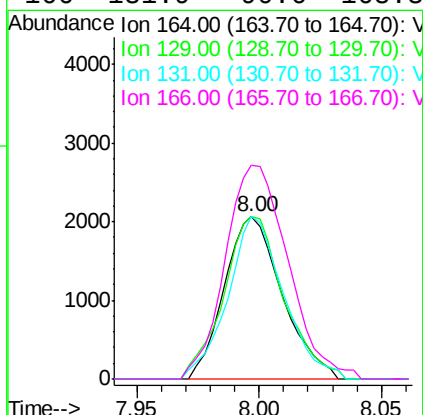
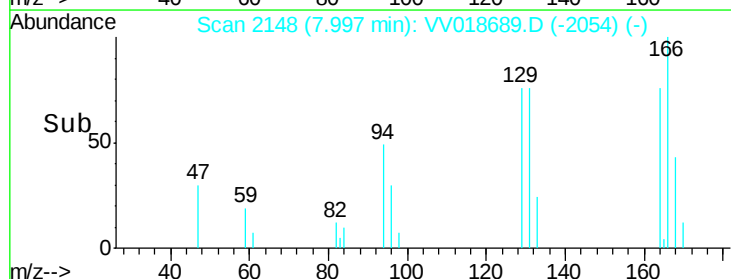
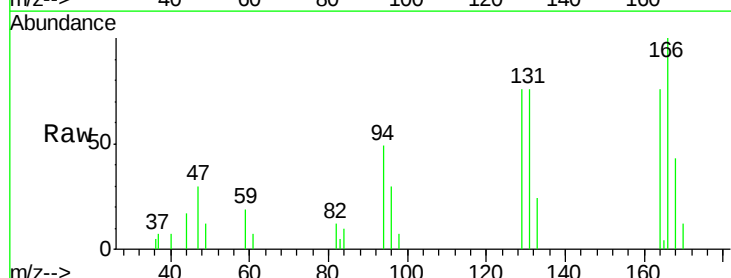
Manual Integrations
APPROVED

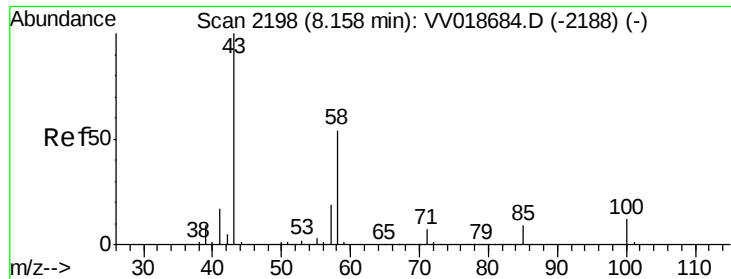
MMDadoda
10/12/2020 2:00:48 PM



#46
Tetrachloroethene
Concen: 2.214 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion:	164	Resp:	3389
Ion	Ratio	Lower	Upper
164	100		
129	100.7	63.7	118.3
131	100.8	60.6	112.6
166	131.9	90.6	168.3





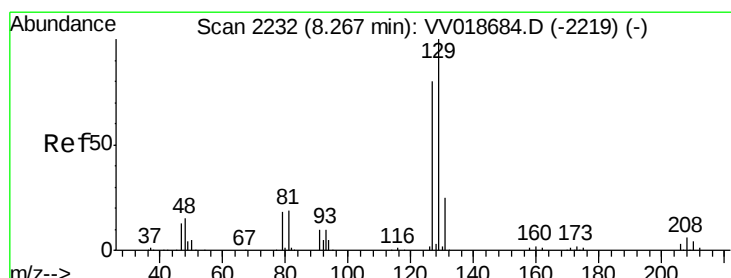
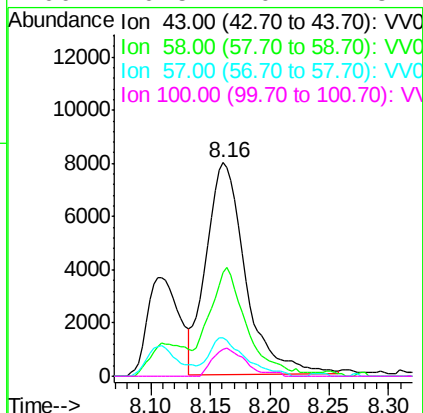
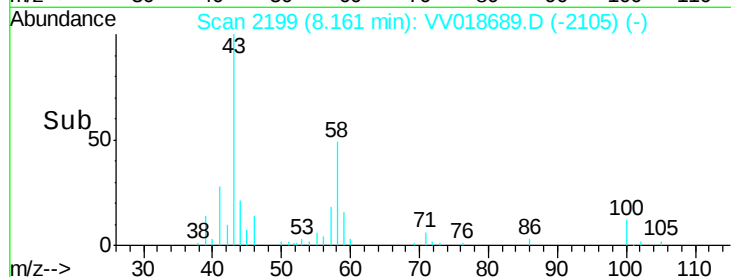
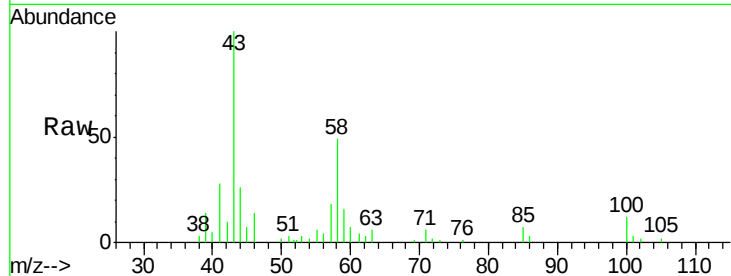
#48
2-Hexanone
Concen: 9.753 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	47.8	45.4	68.0	
57	16.6	16.0	24.0	
100	10.5	10.1	15.1	

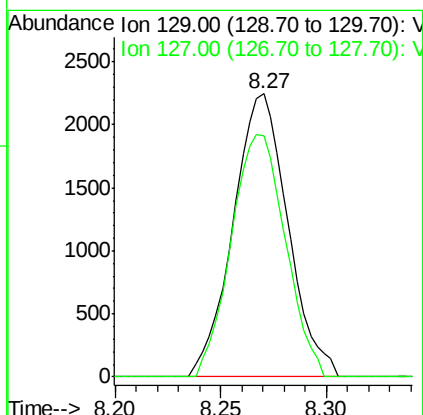
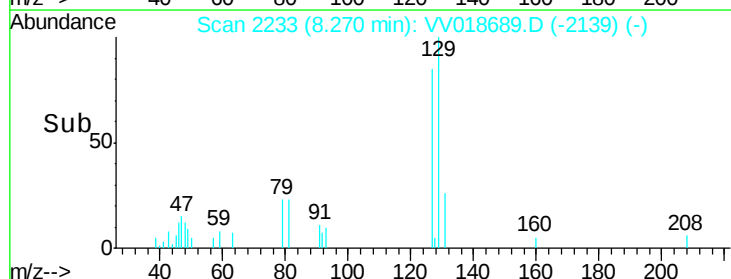
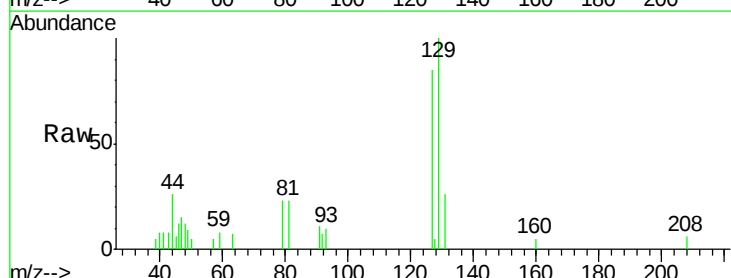
Manual Integrations
APPROVED

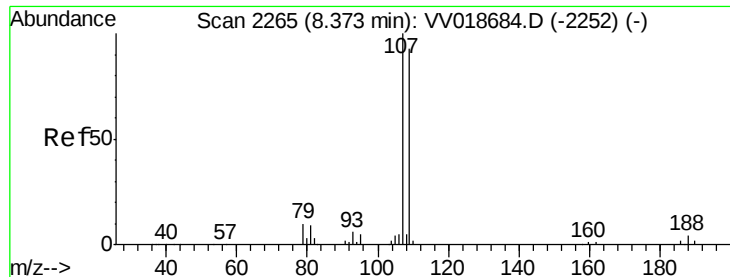
MMDadoda
10/12/2020 2:00:48 PM



#49
Dibromochloromethane
Concen: 2.054 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	85.2	53.5	99.5	





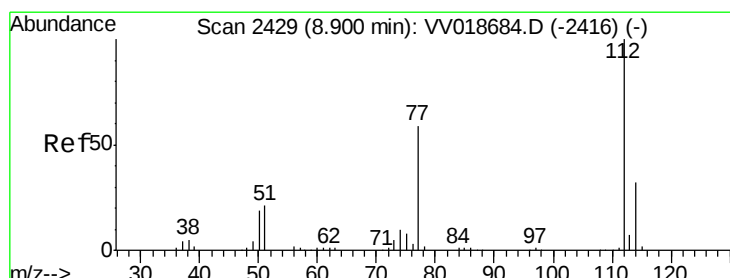
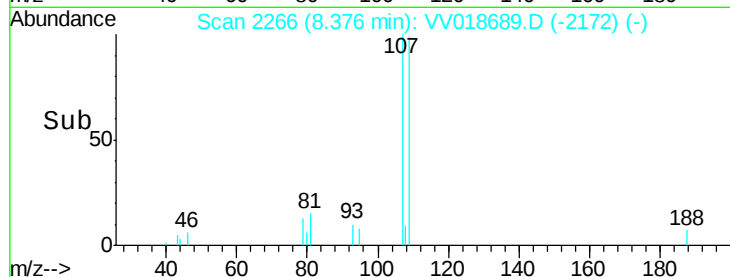
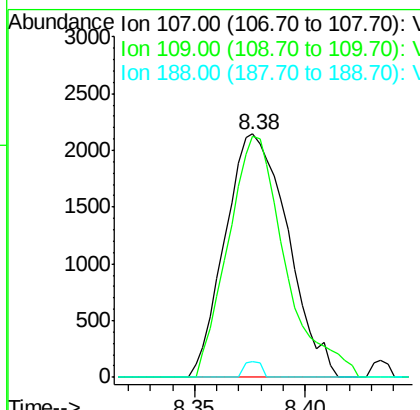
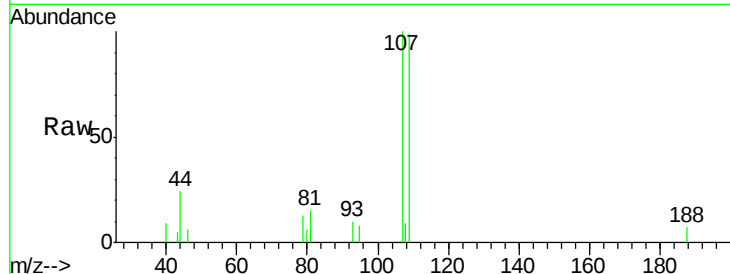
#50
1,2-Dibromoethane
Concen: 2.299 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.1	64.9	120.5
188	6.5	3.4	5.0#

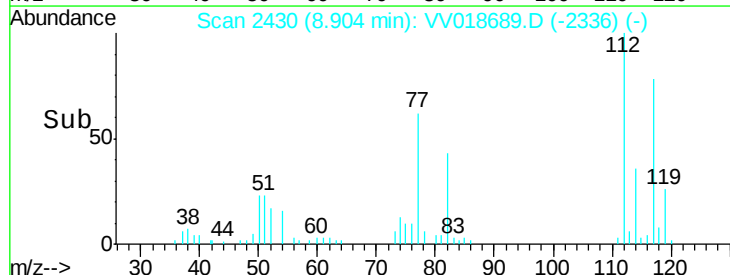
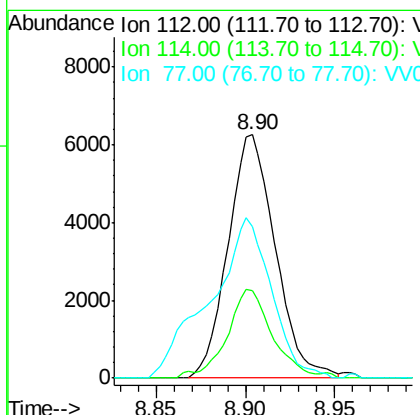
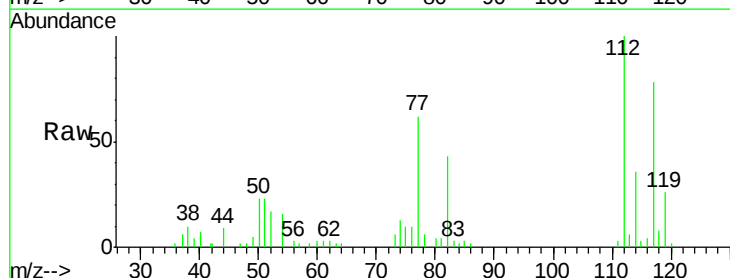
Manual Integrations
APPROVED

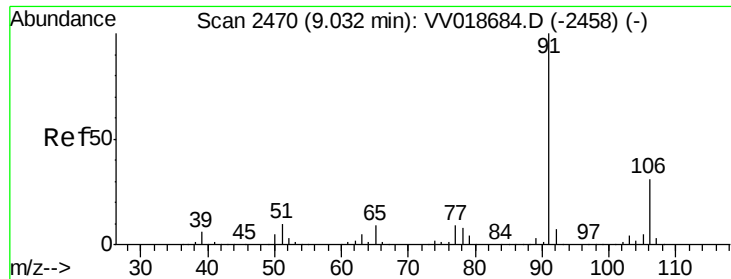
MMDadoda
10/12/2020 2:00:48 PM



#51
Chlorobenzene
Concen: 2.323 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.0	22.2	41.2
77	62.3	47.4	71.2





#52

Ethylbenzene

Concen: 2.140 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 17565

Ion Ratio Lower Upper

91 100

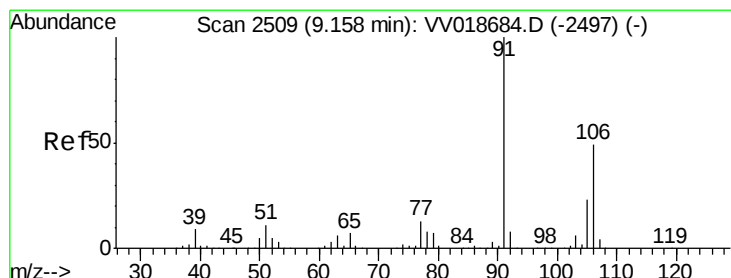
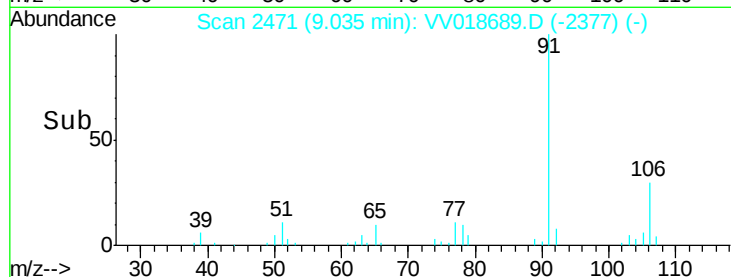
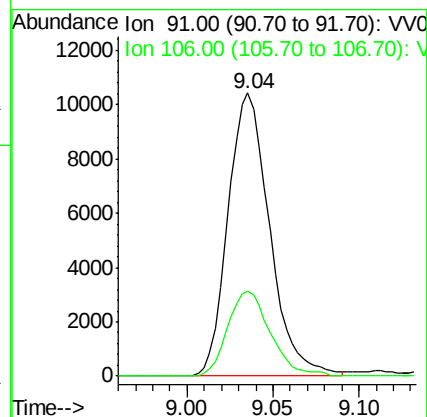
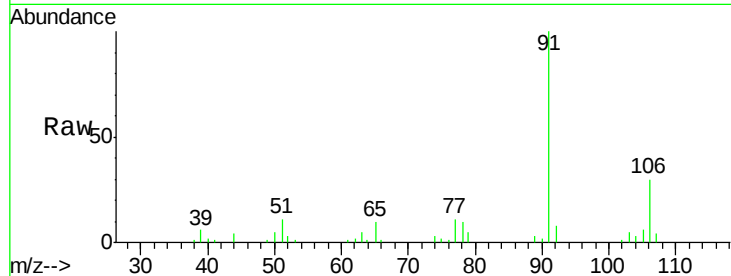
106 30.1 21.4 39.8

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:48 PM



#53

m,p-Xylene

Concen: 2.019 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018689.D

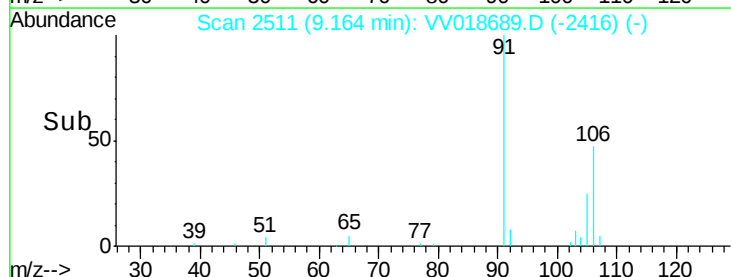
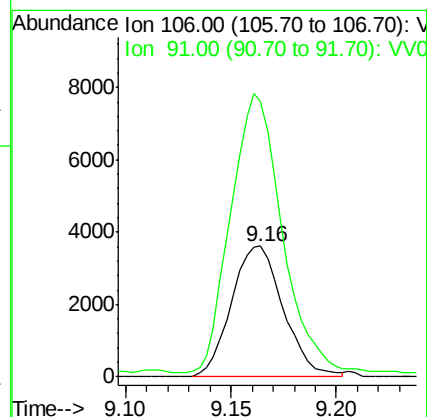
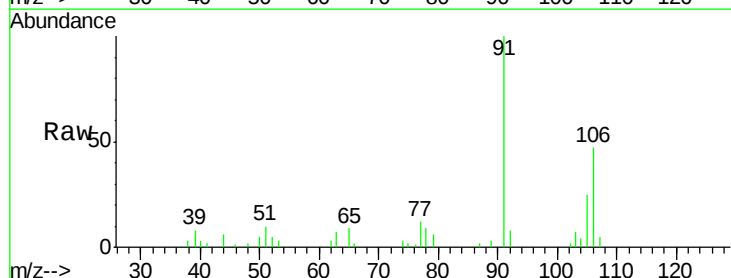
Acq: 06 Oct 2020 12:56

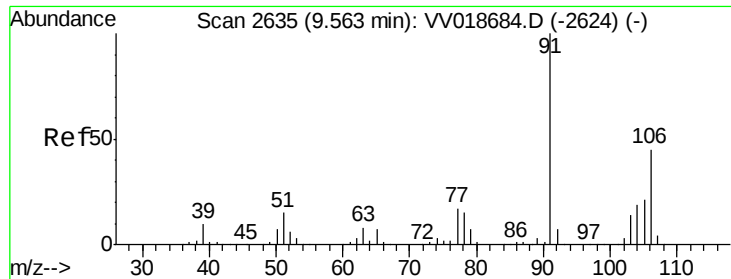
Tgt Ion: 106 Resp: 6189

Ion Ratio Lower Upper

106 100

91 211.7 143.4 266.4





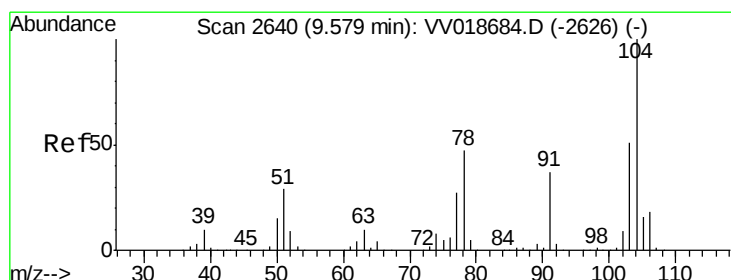
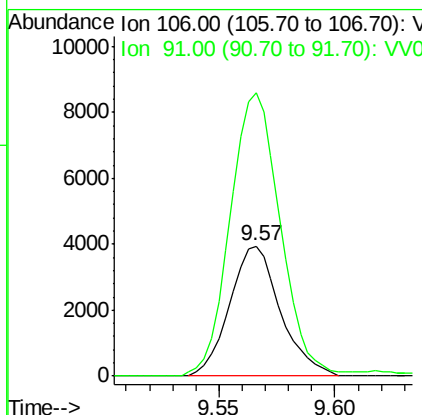
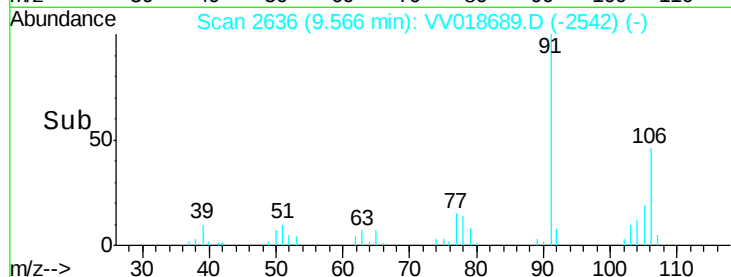
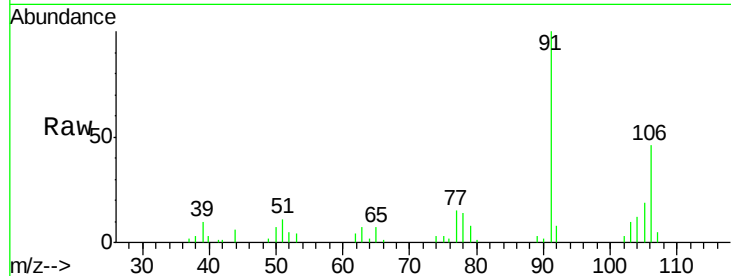
#54
o-Xylene
Concen: 2.039 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:106 Resp: 6021
Ion Ratio Lower Upper
106 100
91 217.2 154.7 287.3

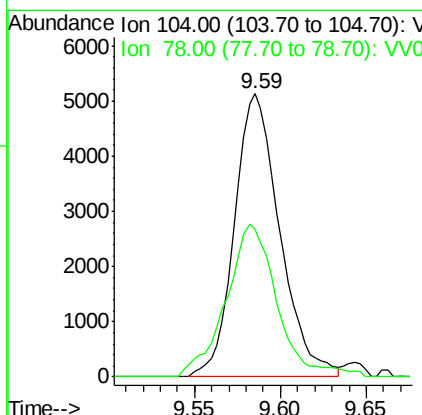
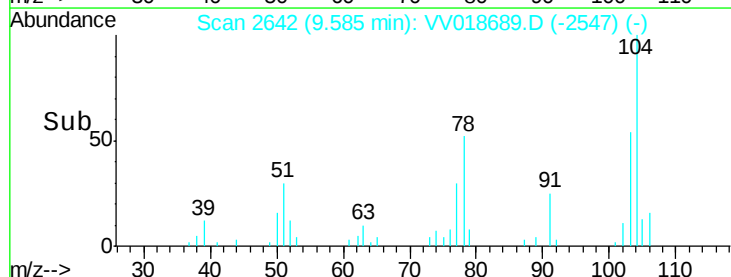
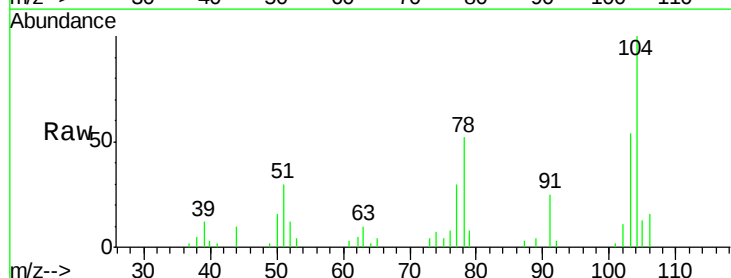
Manual Integrations
APPROVED

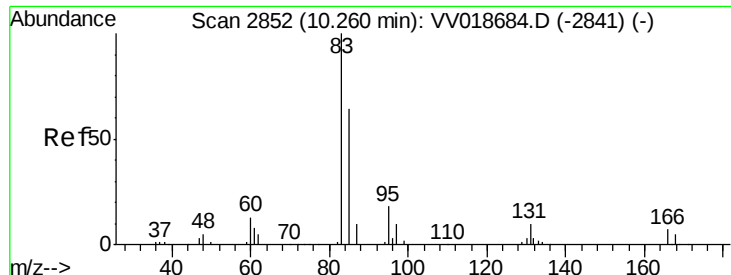
MMDadoda
10/12/2020 2:00:48 PM



#55
Styrene
Concen: 1.829 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion:104 Resp: 9450
Ion Ratio Lower Upper
104 100
78 52.0 32.1 59.5





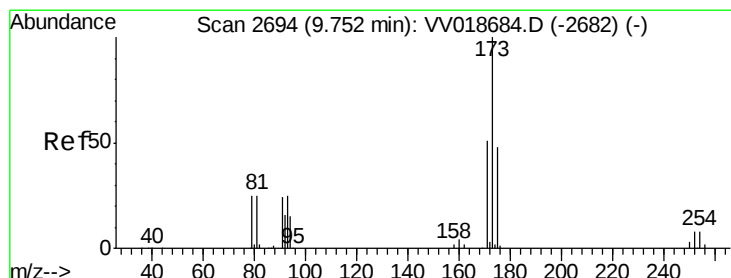
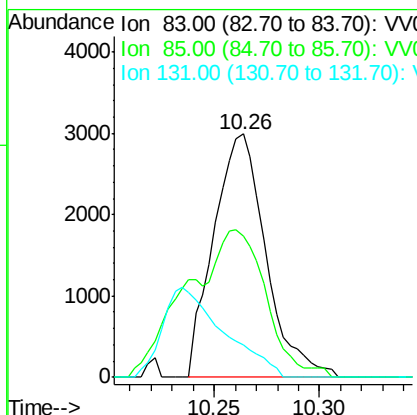
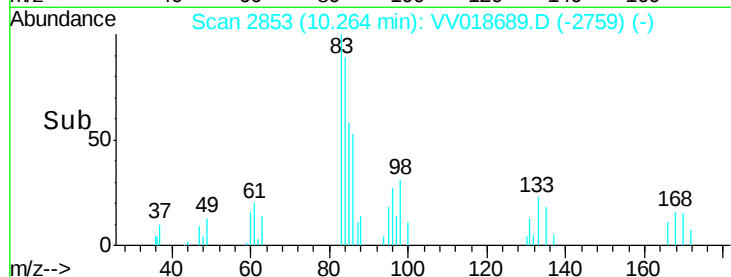
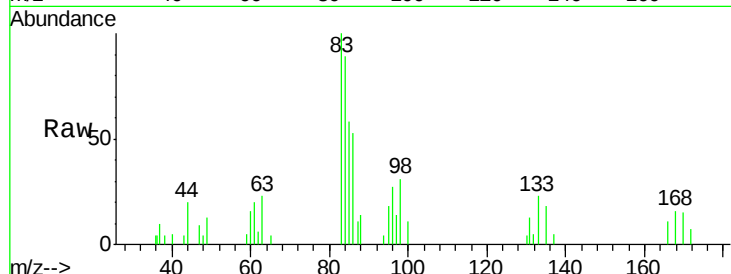
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.993 ug/L
 RT: 10.26 min Scan# 2853
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	83	Resp	5144
Ion Ratio	100	Lower	Upper
83	100		
85	58.2	44.4	82.5
131	13.4	7.8	11.6#

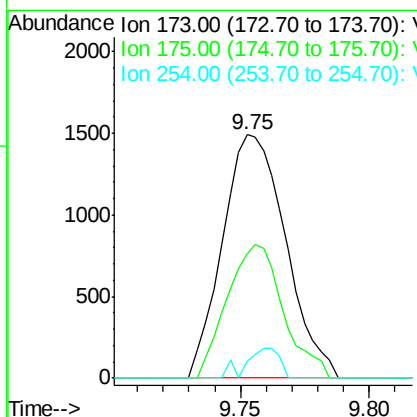
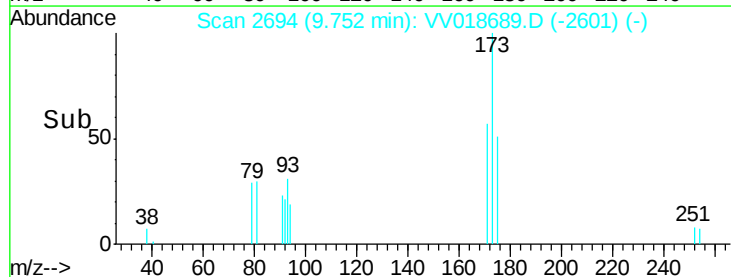
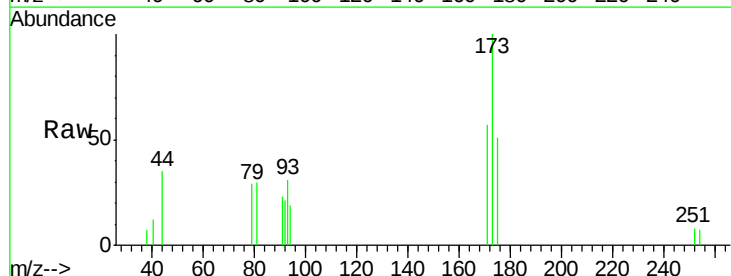
Manual Integrations
 APPROVED

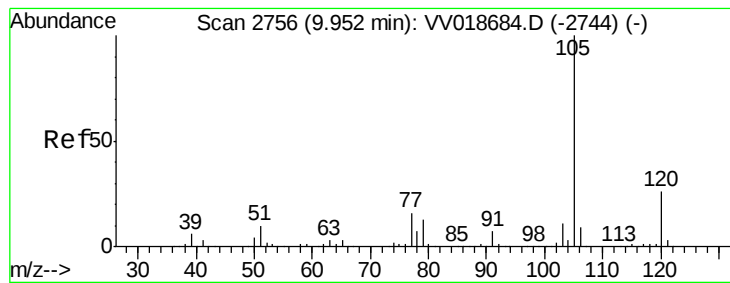
MMDadoda
 10/12/2020 2:00:48 PM



#59
 Bromoform
 Concen: 2.022 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	173	Resp	2540
Ion Ratio	100	Lower	Upper
173	100		
175	48.9	39.4	59.2
254	5.7	8.7	13.1#





#60

Isopropylbenzene

Concen: 2.175 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Instrument :

MSVOA_V

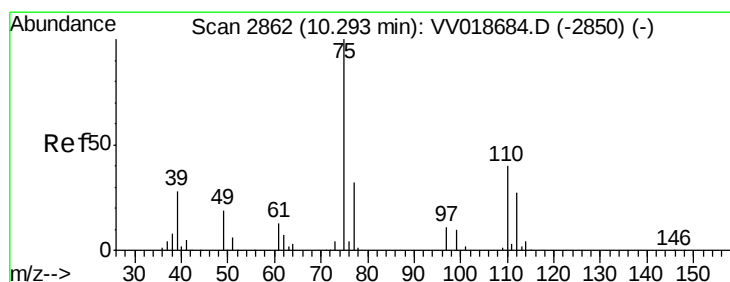
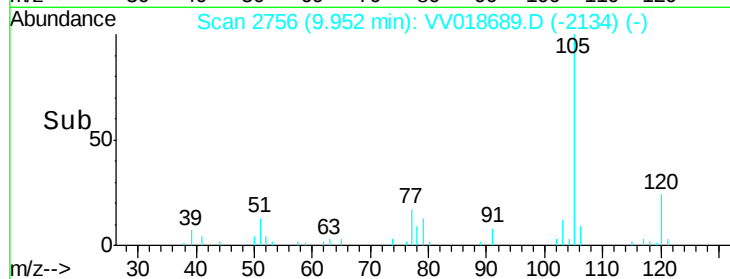
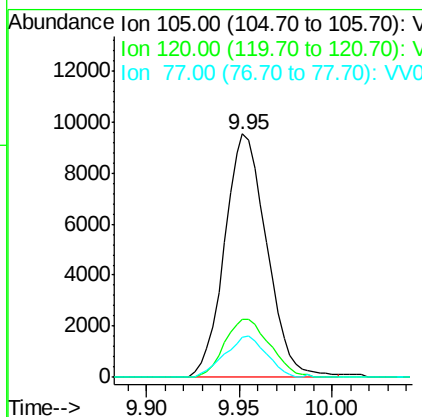
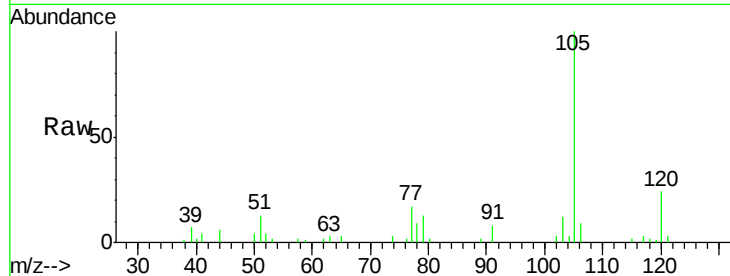
ClientSampleId :

MDL01

Tot Ion:	105	Resp:	15063
Ion Ratio		Lower	Upper
105	100		
120	25.6	20.8	31.2
77	16.8	12.8	19.2

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:48 PM



#61

1,2,3-Trichloropropane

Concen: 2.663 ug/L

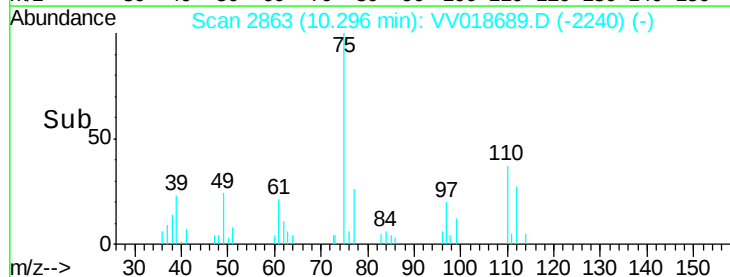
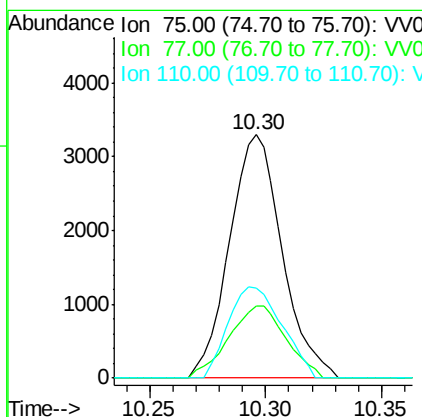
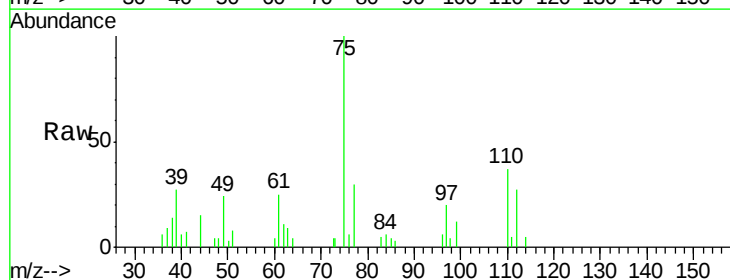
RT: 10.30 min Scan# 2863

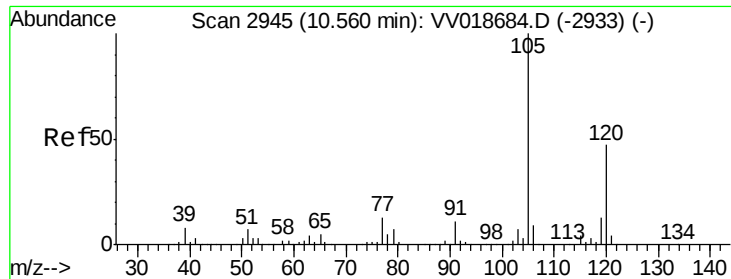
Delta R.T. 0.00 min

Lab File: VV018689.D

Acq: 06 Oct 2020 12:56

Tgt Ion:	75	Resp:	5192
Ion Ratio		Lower	Upper
75	100		
77	32.4	25.8	38.8
110	38.3	31.5	47.3





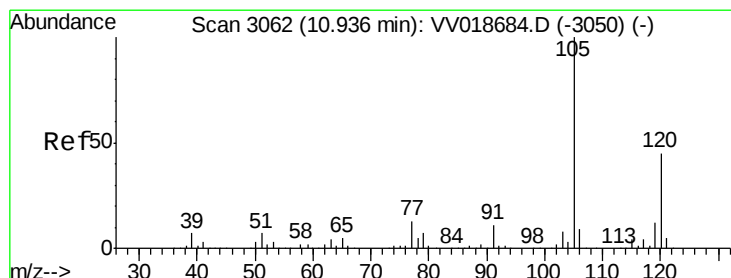
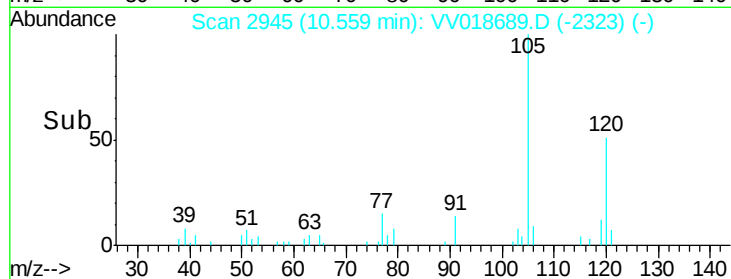
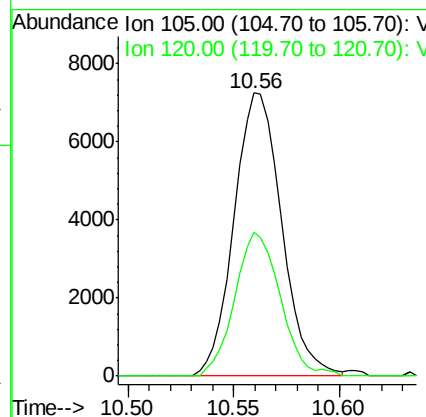
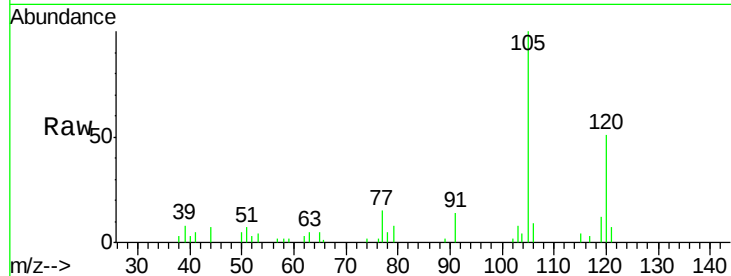
#62
 1,3,5-Trimethylbenzene
 Concen: 2.031 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 11387
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.1 58.7

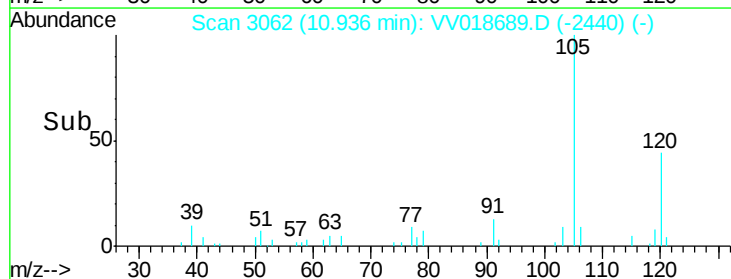
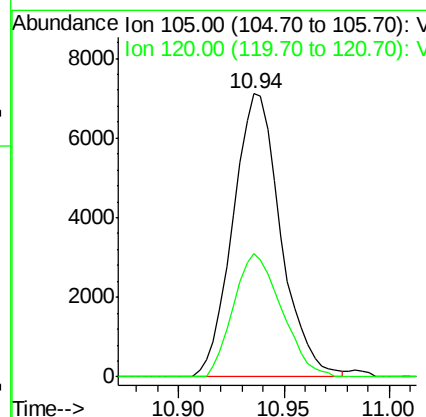
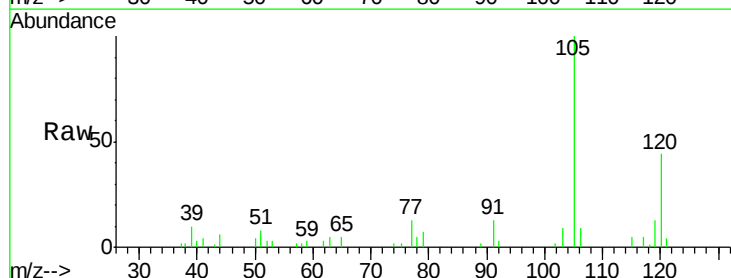
Manual Integrations
 APPROVED

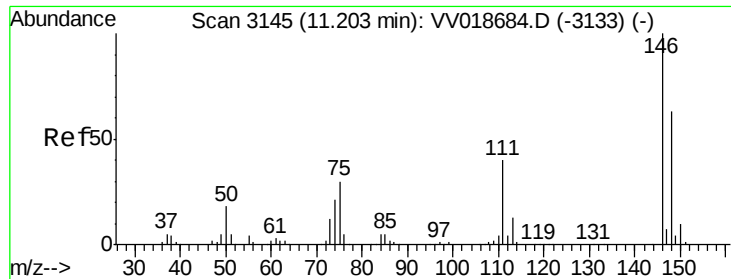
MMDadoda
 10/12/2020 2:00:48 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 1.948 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion:105 Resp: 11215
 Ion Ratio Lower Upper
 105 100
 120 43.8 36.2 54.2





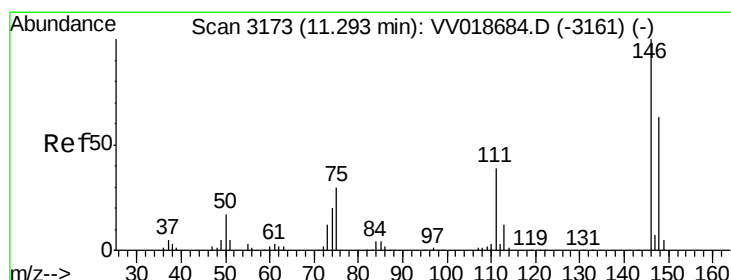
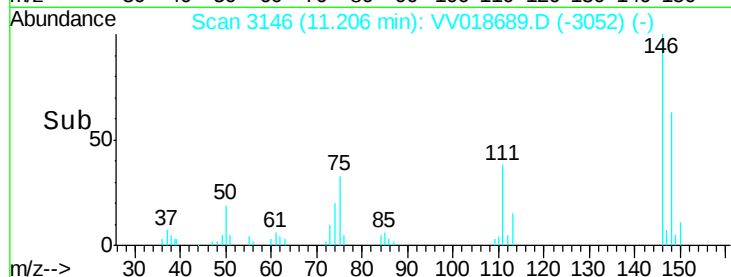
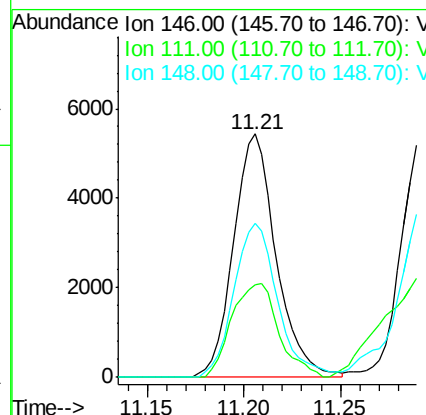
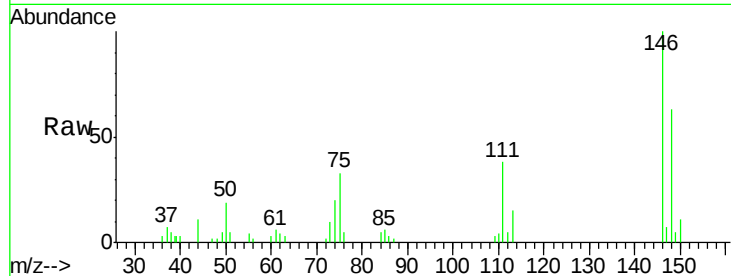
#64
 1,3-Dichlorobenzene
 Concen: 2.365 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.6	51.4
148	63.0	44.2	82.2

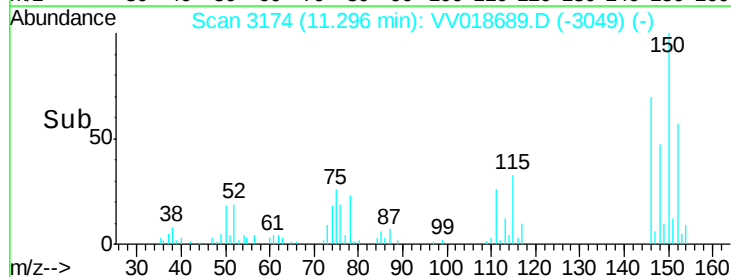
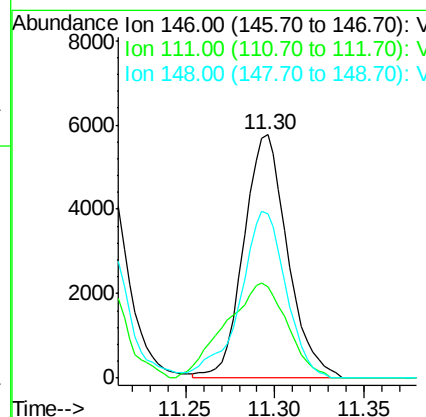
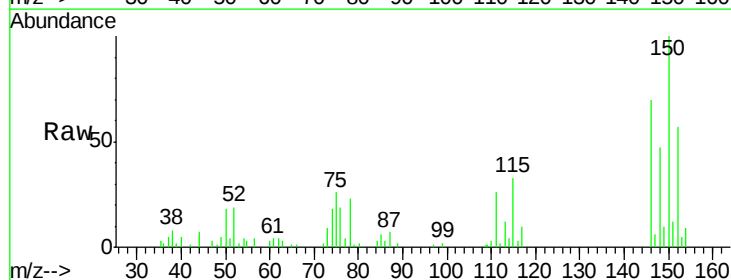
Manual Integrations
 APPROVED

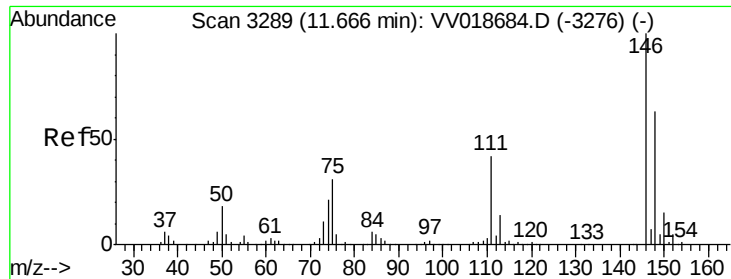
MMDadoda
 10/12/2020 2:00:48 PM



#65
 1,4-Dichlorobenzene
 Concen: 2.689 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.6	49.4
148	67.5	44.3	82.3





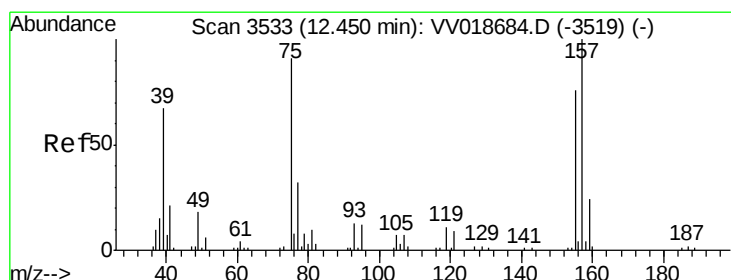
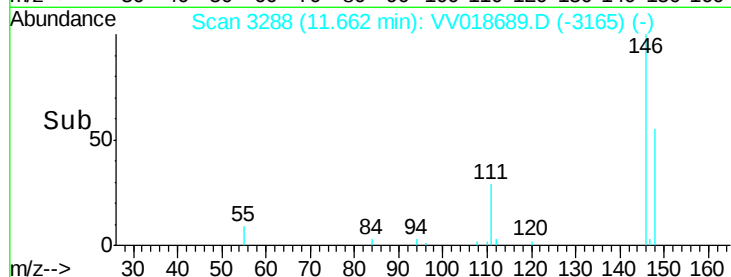
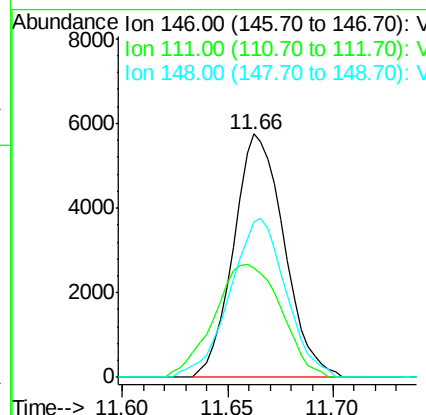
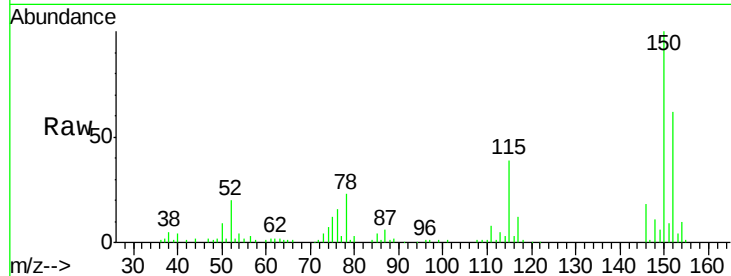
#67
 1,2-Dichlorobenzene
 Concen: 2.706 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	32.6	49.0
148	63.6	51.0	76.6

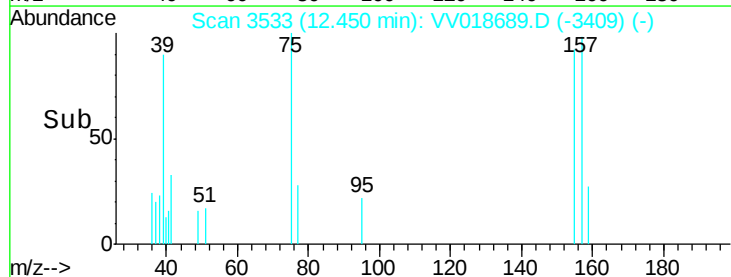
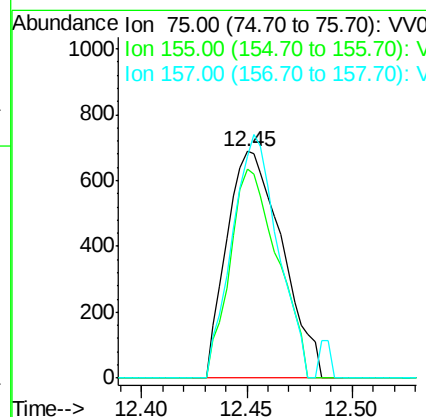
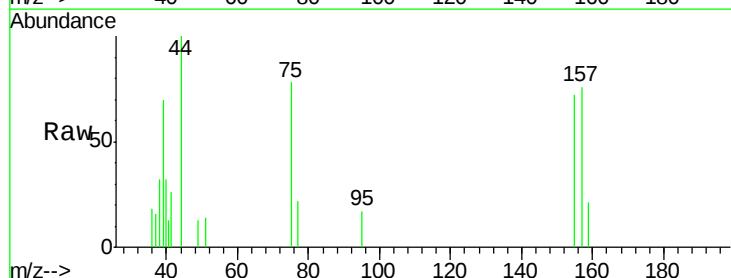
Manual Integrations
 APPROVED

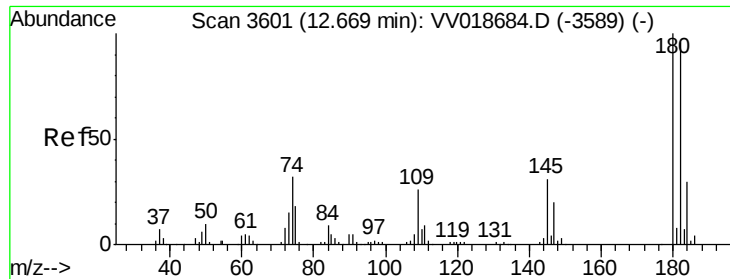
MMDadoda
 10/12/2020 2:00:48 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.545 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	67.6	101.4
157	97.7	88.7	133.1





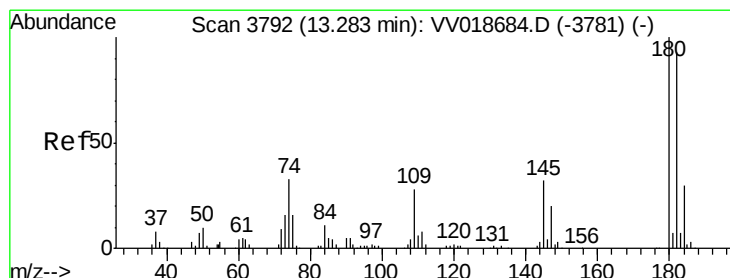
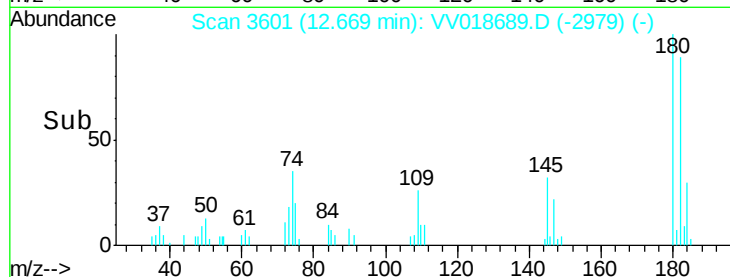
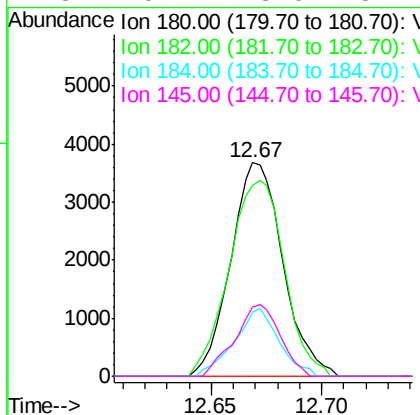
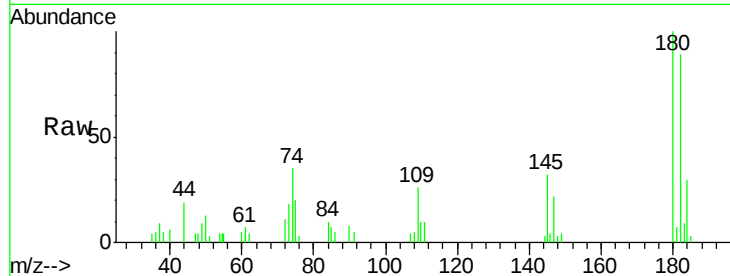
#69
 1,3,5-Trichlorobenzene
 Concen: 2.201 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.6	115.0
184	27.3	24.8	37.2
145	29.1	23.0	34.4

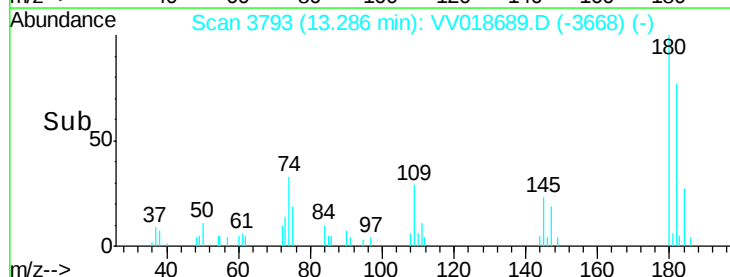
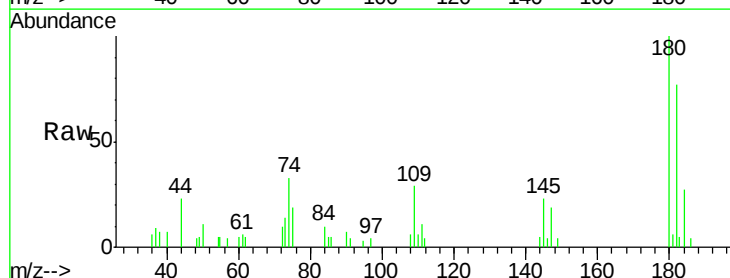
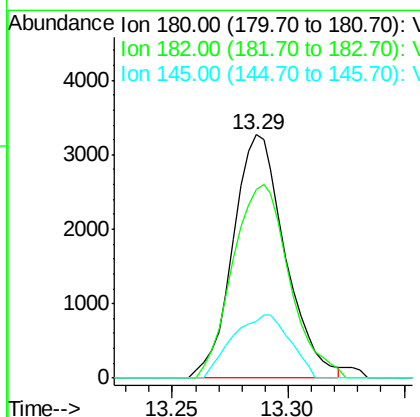
Manual Integrations
 APPROVED

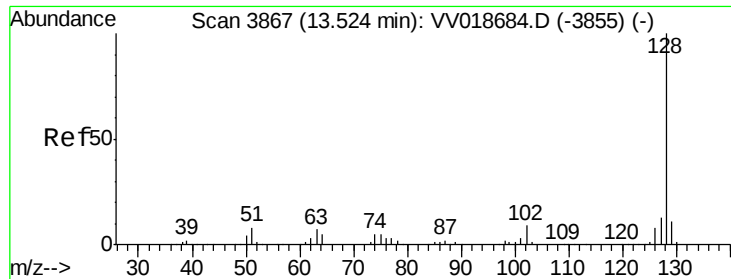
MMDadoda
 10/12/2020 2:00:48 PM



#70
 1,2,4-trichlorobenzene
 Concen: 2.072 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018689.D
 Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.1	75.8	113.6
145	28.6	23.0	34.4





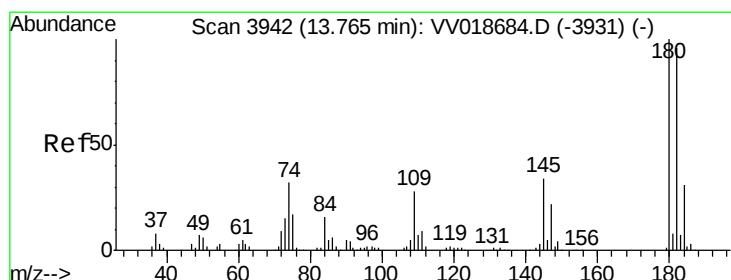
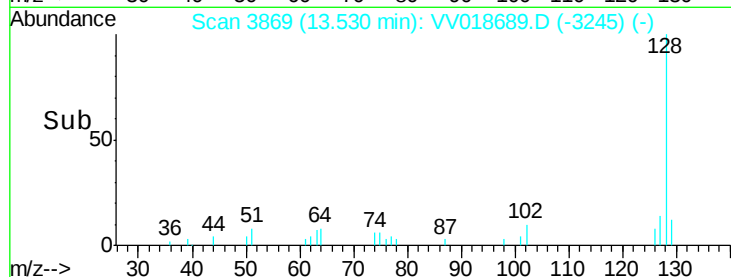
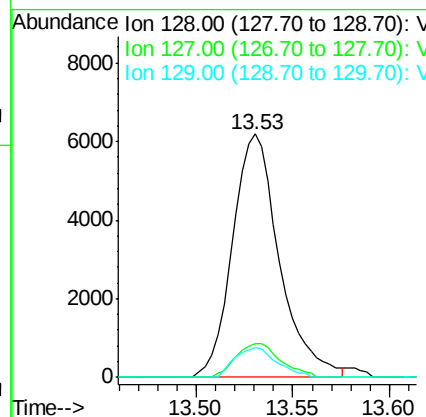
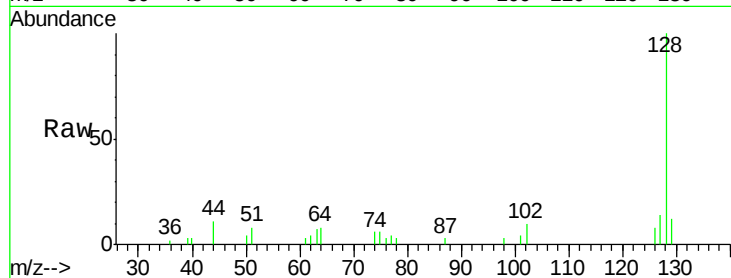
#71
Naphthalene
Concen: 1.632 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:48 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.868 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VV018689.D
Acq: 06 Oct 2020 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.1	115.7
145	34.7	25.0	37.6

