

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018691.D
 Acq On : 06 Oct 2020 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:00:59 PM

Quant Time: Oct 07 06:38:17 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	224142	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238348	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	104824	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77157	55.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.96%
7) Chloroethane-d5	1.58	69	66294	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.76%
11) 1,1-Dichloroethene-d2	2.12	63	122439	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.98%
21) 2-Butanone-d5	3.92	46	117170	117.53	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.53%
24) Chloroform-d	4.38	84	164138	56.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.56%
26) 1,2-Dichloroethane-d4	5.06	65	103851	56.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.48%
32) Benzene-d6	5.07	84	294438	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.09	67	86635	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.54%
41) Toluene-d8	7.34	98	252654	45.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.98%
43) trans-1,3-Dichloropropene-	7.64	79	41691	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
47) 2-Hexanone-d5	8.11	63	48347	67.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.87%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	93664	37.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.38%
66) 1,2-Dichlorobenzene-d4	11.65	152	104587	53.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3559	2.151 ug/L	97
3) Chloromethane	1.25	50	3980	2.169 ug/L	99
5) Vinyl chloride	1.32	62	5037	2.683 ug/L #	66
6) Bromomethane	1.53	94	3074	2.577 ug/L	91
8) Chloroethane	1.60	64	3327	2.750 ug/L	97
9) Trichlorofluoromethane	1.77	101	7767	2.909 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5404	3.302 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4581	2.943 ug/L #	1
13) Acetone	2.20	43	6030m	4.782 ug/L	
14) Carbon disulfide	2.31	76	12476	2.823 ug/L #	94
15) Methyl Acetate	2.46	43	4610	2.770 ug/L #	67
16) Methylene chloride	2.53	84	6026	3.420 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	4243	2.693 ug/L #	84
18) Methyl tert-butyl Ether	2.79	73	12974	2.649 ug/L #	94
19) 1,1-Dichloroethane	3.22	63	8502	2.780 ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	4989	2.937 ug/L	97
22) 2-Butanone	4.03	43	6418m	5.127 ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018691.D
 Acq On : 06 Oct 2020 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

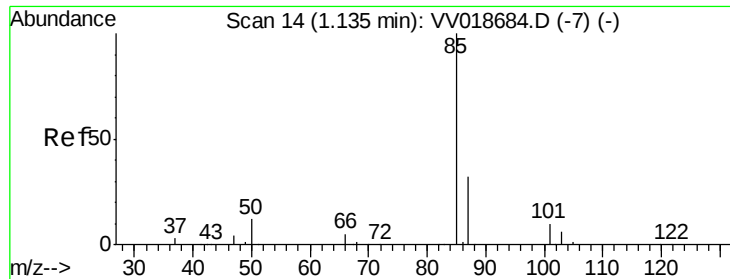
MMDadoda
 10/12/2020 2:00:59 PM

Quant Time: Oct 07 06:38:17 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	4.29	128	2612	2.871	ug/L	95
25) Chloroform	4.40	83	12127	3.922	ug/L	96
27) 1,2-Dichloroethane	5.16	62	6431m	2.684	ug/L	
29) Cyclohexane	4.71	56	6191	2.232	ug/L	92
30) 1,1,1-Trichloroethane	4.64	97	7406	2.526	ug/L	93
31) Carbon tetrachloride	4.86	117	6468	2.531	ug/L	95
33) Benzene	5.13	78	15615	2.187	ug/L	100
34) Trichloroethene	5.94	95	5210	2.655	ug/L	91
35) Methylcyclohexane	6.16	83	5147	1.806	ug/L	98
37) 1,2-Dichloropropane	6.20	63	4414	2.339	ug/L #	89
38) Bromodichloromethane	6.54	83	5555	2.249	ug/L	96
39) cis-1,3-Dichloropropene	7.06	75	5990	2.115	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	9332	4.166	ug/L	92
42) Toluene	7.41	91	16613	2.218	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5788	2.062	ug/L	88
45) 1,1,2-Trichloroethane	7.86	97	3784	2.129	ug/L	89
46) Tetrachloroethene	8.00	164	3535	2.300	ug/L	90
48) 2-Hexanone	8.16	43	19110	10.066	ug/L #	84
49) Dibromochloromethane	8.27	129	4197	2.121	ug/L	93
50) 1,2-Dibromoethane	8.38	107	4351	2.351	ug/L #	96
51) Chlorobenzene	8.91	112	11480	2.294	ug/L	99
52) Ethylbenzene	9.04	91	17077	2.072	ug/L	93
53) m,p-Xylene	9.16	106	5909	1.920	ug/L	94
54) o-Xylene	9.57	106	5779	1.949	ug/L	99
55) Styrene	9.59	104	9800	1.890	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.26	83	5621	2.169	ug/L	98
59) Bromoform	9.76	173	2729	2.329	ug/L #	96
60) Isopropylbenzene	9.95	105	14866	2.301	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5200	2.859	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	11249	2.151	ug/L	94
63) 1,2,4-Trimethylbenzene	10.94	105	10457	1.948	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	8349	2.543	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	9263	2.692	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	9149	2.771	ug/L #	92
68) 1,2-Dibromo-3-chloropropan	12.45	75	1032	2.245	ug/L	90
69) 1,3,5-Trichlorobenzene	12.67	180	4705	1.837	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	4046	1.764	ug/L	97
71) Naphthalene	13.53	128	9108	1.531	ug/L	97
72) 1,2,3-Trichlorobenzene	13.77	180	3665	1.589	ug/L #	84

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



#2

Dichlorodifluoromethane

Concen: 2.151 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 3559

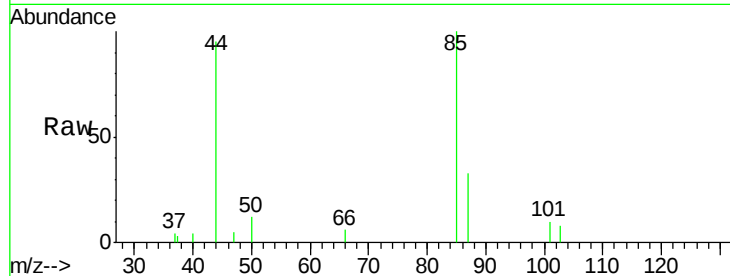
Ion Ratio Lower Upper

85 100

87 30.4 25.8 38.6

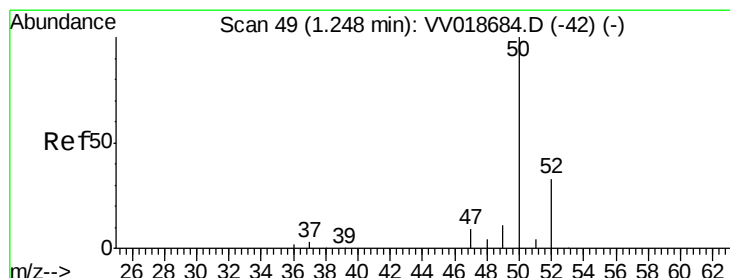
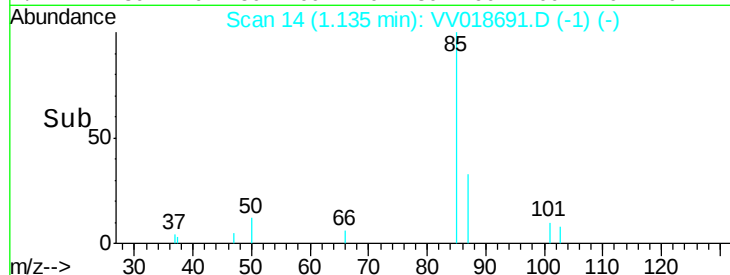
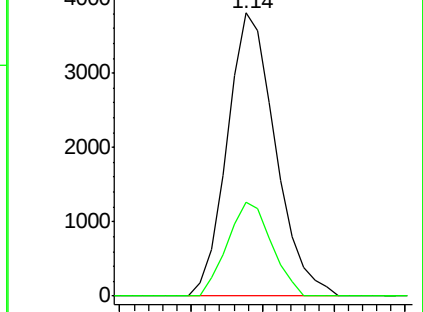
Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



Abundance Ion 85.00 (84.70 to 85.70): VV018684.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018684.D (-7) (-)



#3

Chloromethane

Concen: 2.169 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018691.D

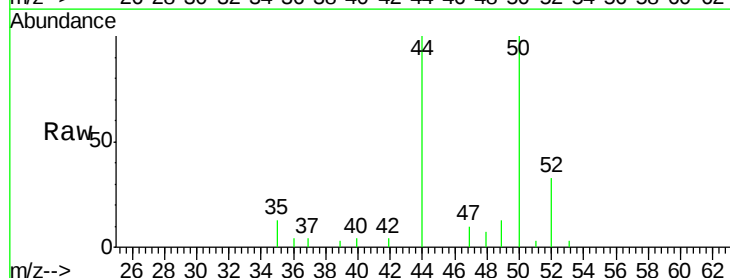
Acq: 06 Oct 2020 14:09

Tgt Ion: 50 Resp: 3980

Ion Ratio Lower Upper

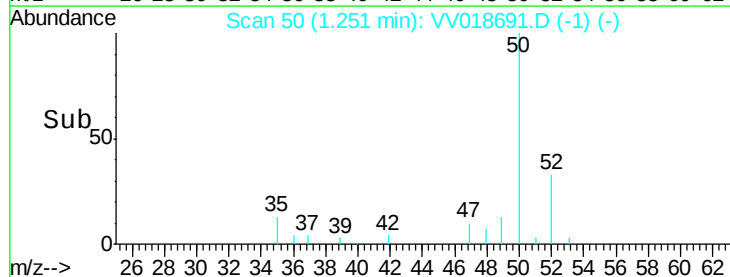
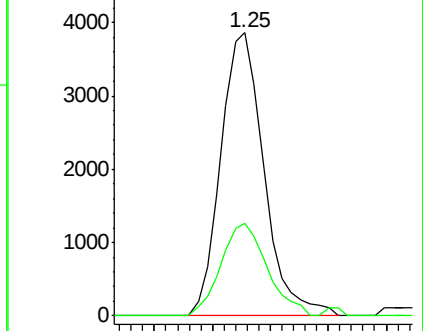
50 100

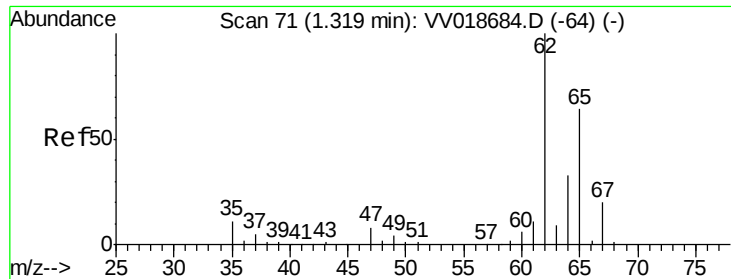
52 32.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018684.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018684.D (-42) (-)





#5

Vinyl chloride

Concen: 2.683 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 62 Resp: 5037

Ion Ratio Lower Upper

62 100

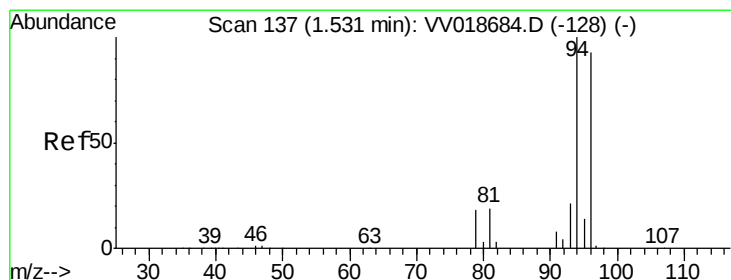
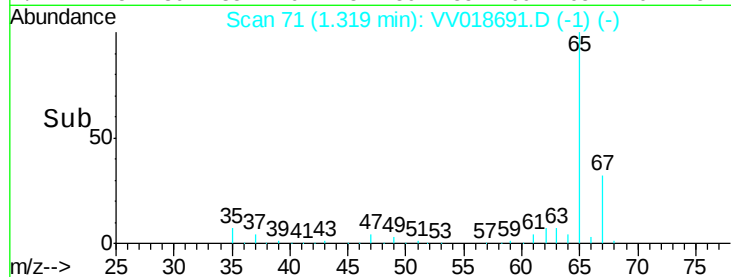
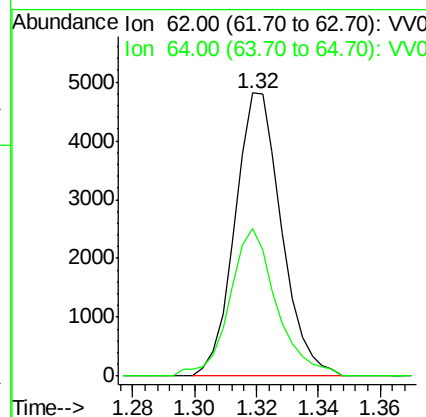
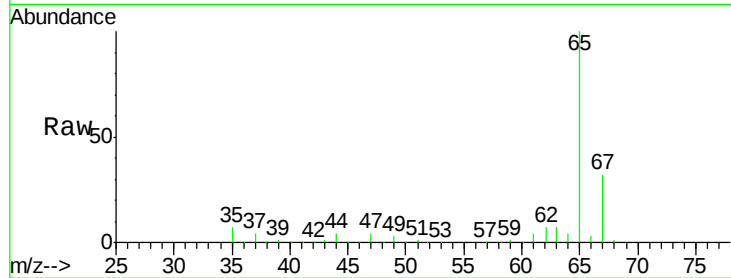
64 52.1 22.9 42.5#

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:59 PM



#6

Bromomethane

Concen: 2.577 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018691.D

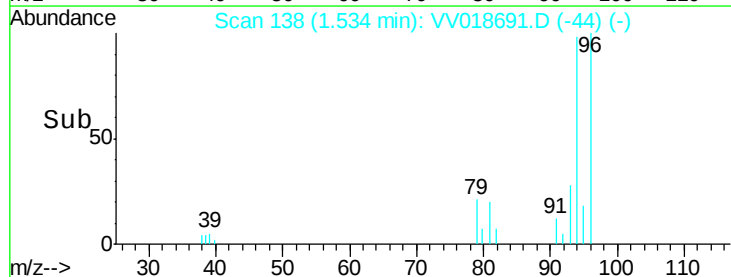
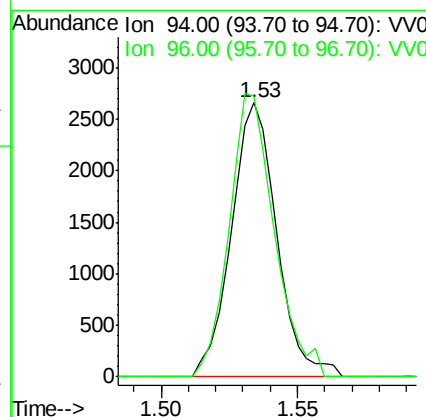
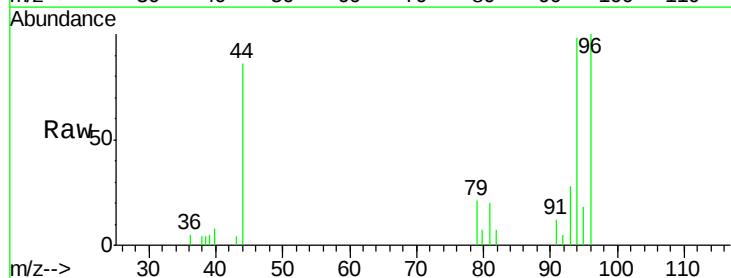
Acq: 06 Oct 2020 14:09

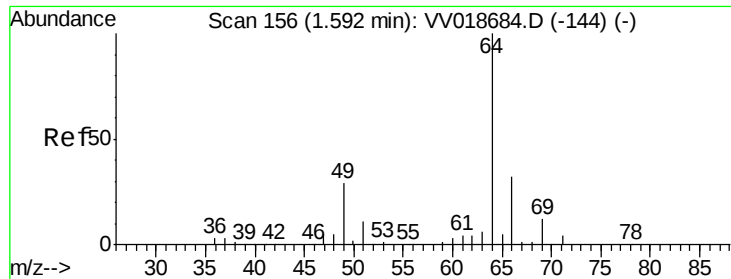
Tgt Ion: 94 Resp: 3074

Ion Ratio Lower Upper

94 100

96 102.4 65.4 121.4





#8

Chloroethane

Concen: 2.750 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 3327

Ion Ratio Lower Upper

64 100

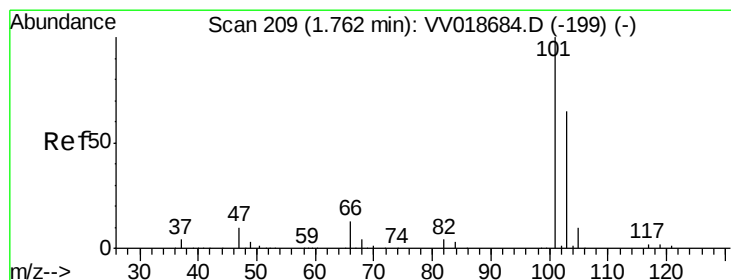
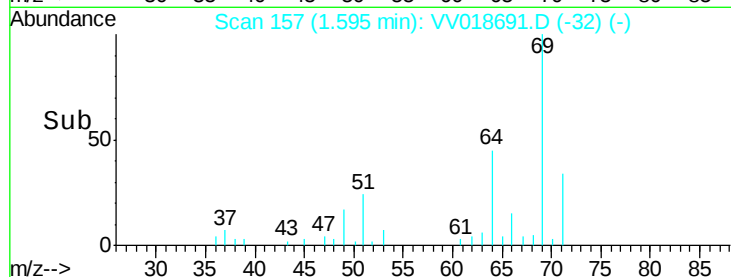
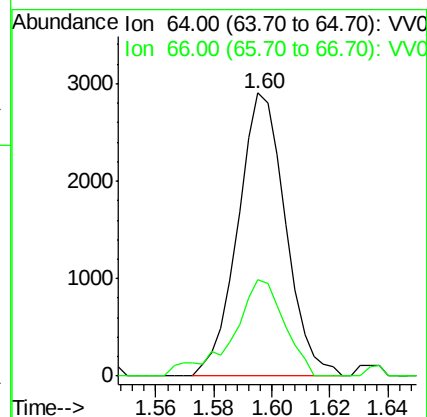
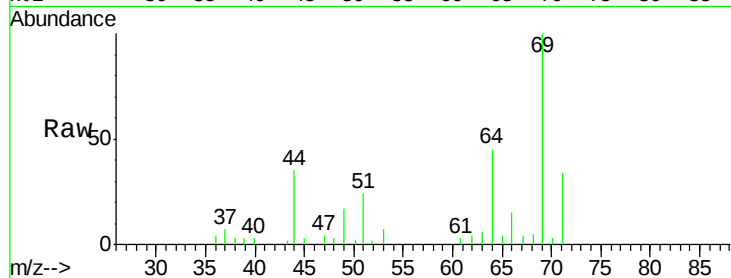
66 34.2 23.0 42.6

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:59 PM



#9

Trichlorofluoromethane

Concen: 2.909 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018691.D

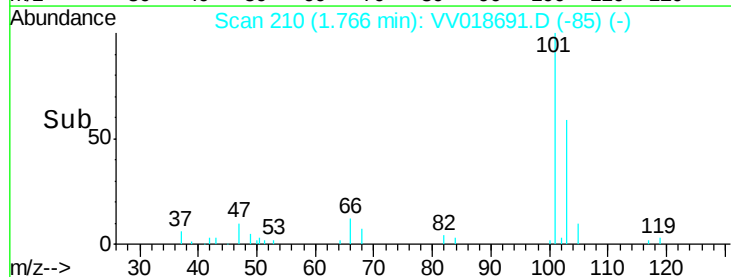
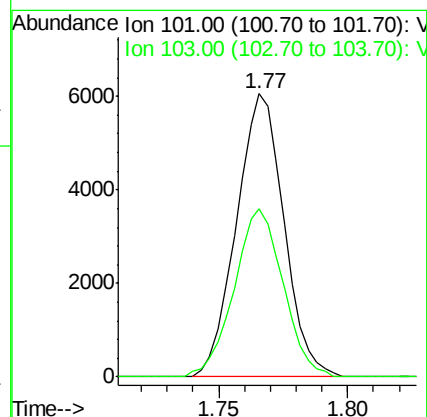
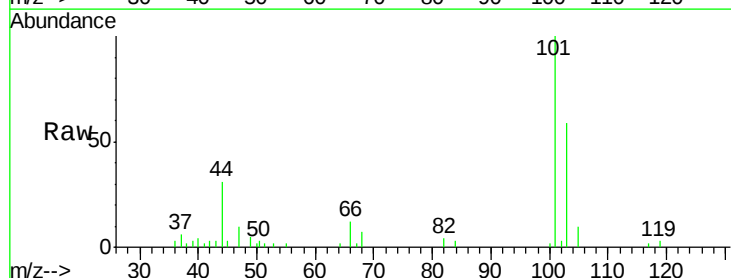
Acq: 06 Oct 2020 14:09

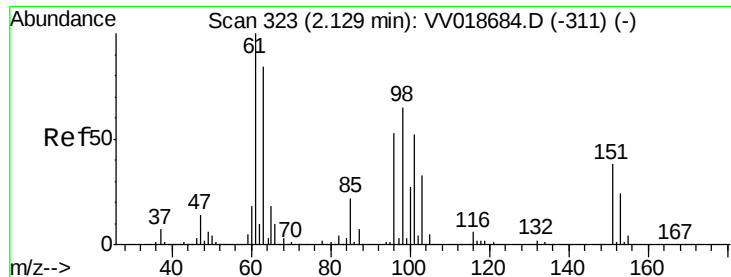
Tgt Ion: 101 Resp: 7767

Ion Ratio Lower Upper

101 100

103 60.9 52.1 78.1





#10

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

Concen: 3.302 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

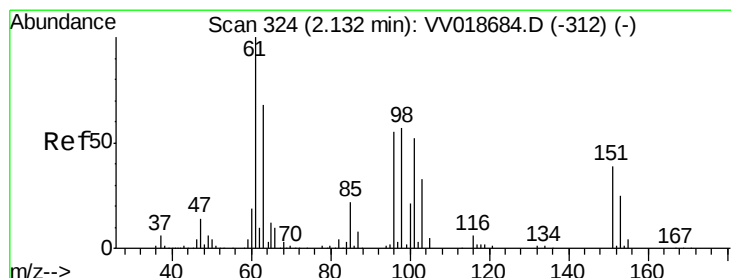
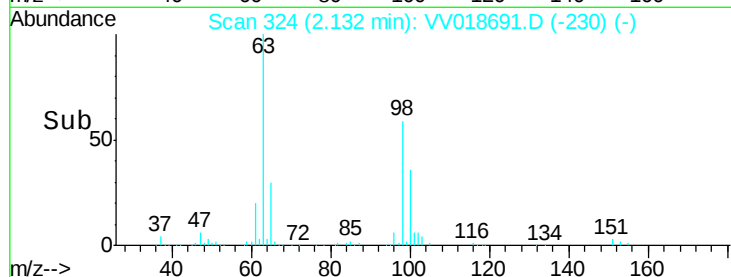
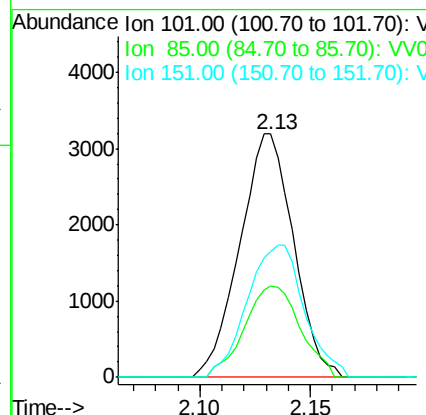
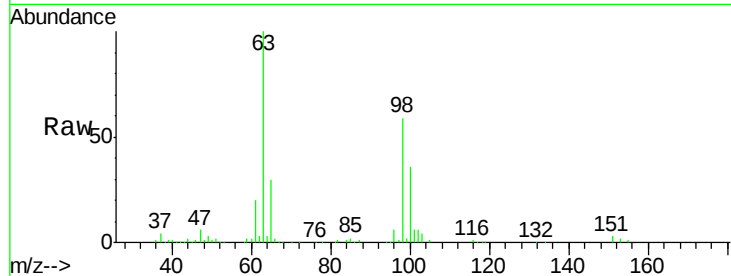
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	5404
Ion Ratio	Lower	Upper	
101	100		
85	39.0	34.6	51.8
151	57.7	62.4	93.6#

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



#12

1,1-Dichloroethene

Concen: 2.943 ug/L

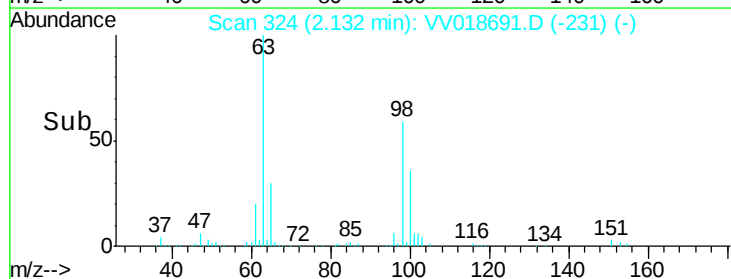
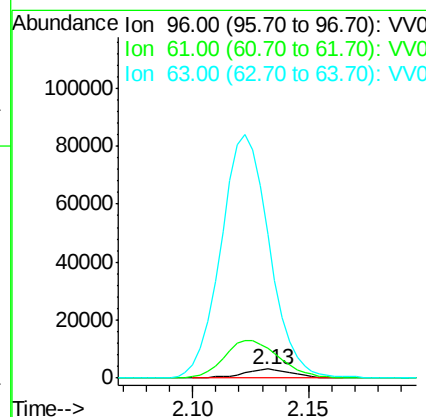
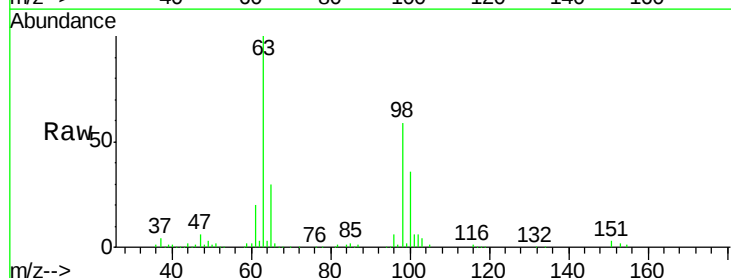
RT: 2.13 min Scan# 324

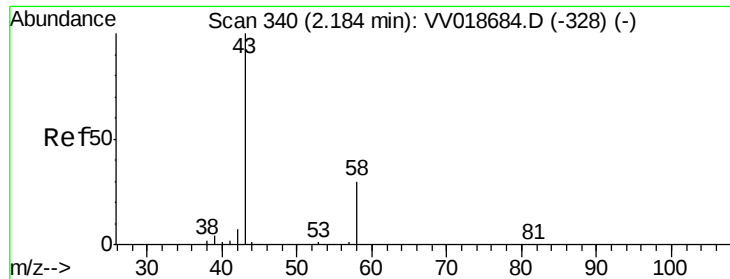
Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion:	96	Resp:	4581
Ion Ratio	Lower	Upper	
96	100		
61	329.9	121.0	224.8#
63	1625.1	93.0	172.6#





#13

Acetone

Concen: 4.782 ug/L m

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 6030

Ion Ratio Lower Upper

43 100

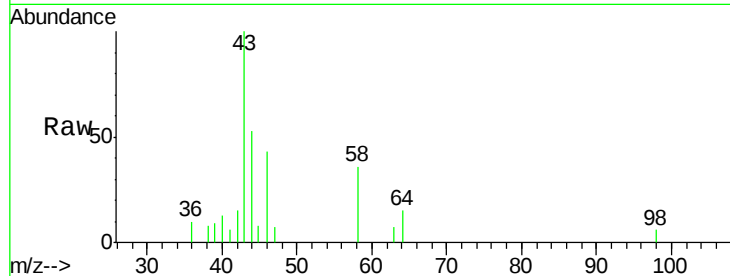
58 17.4 0.0 65.8

Manual Integrations

APPROVED

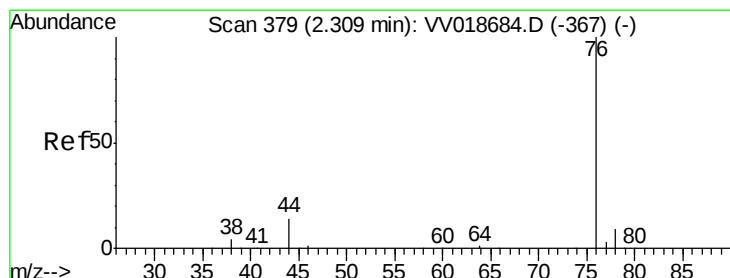
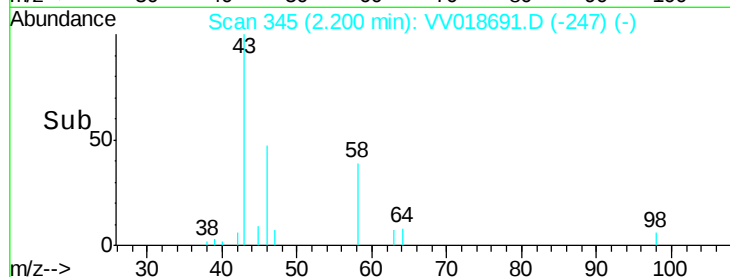
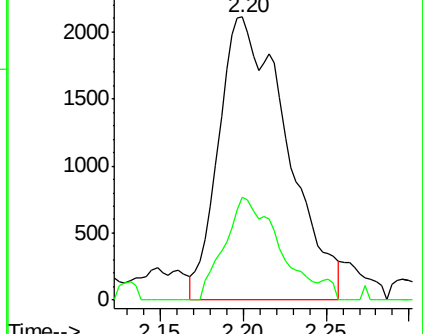
MMDadoda

10/12/2020 2:00:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VV018691.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV018691.D (-247) (-)



#14

Carbon disulfide

Concen: 2.823 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018691.D

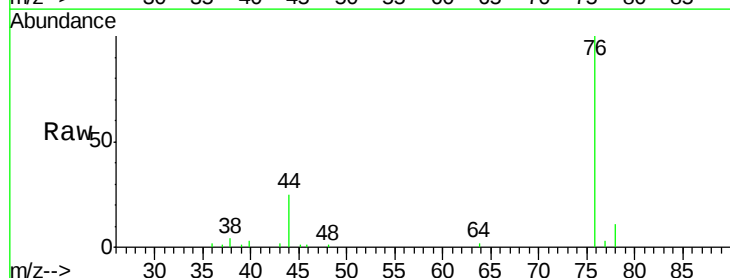
Acq: 06 Oct 2020 14:09

Tgt Ion: 76 Resp: 12476

Ion Ratio Lower Upper

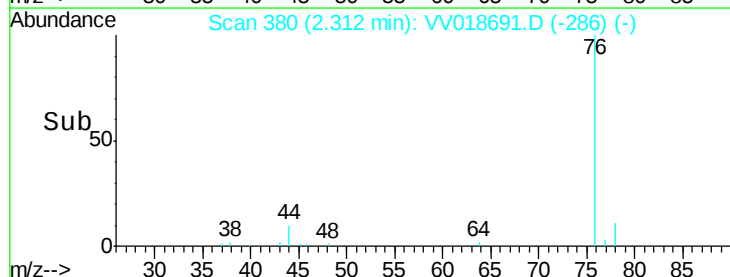
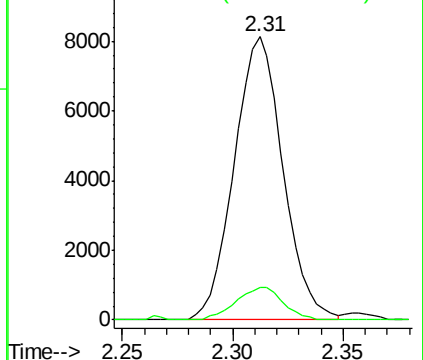
76 100

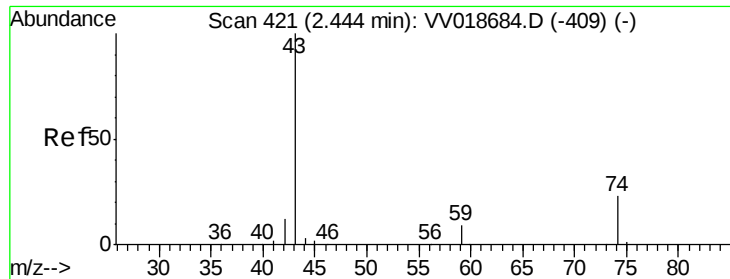
78 11.3 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV018691.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018691.D (-286) (-)





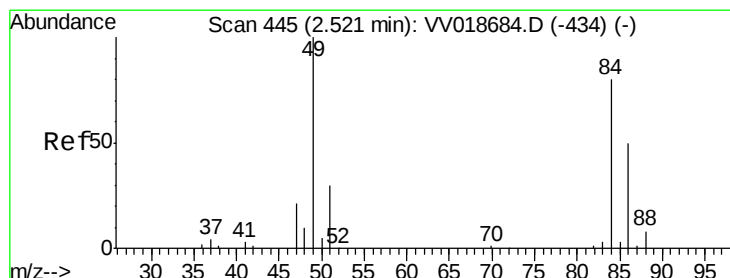
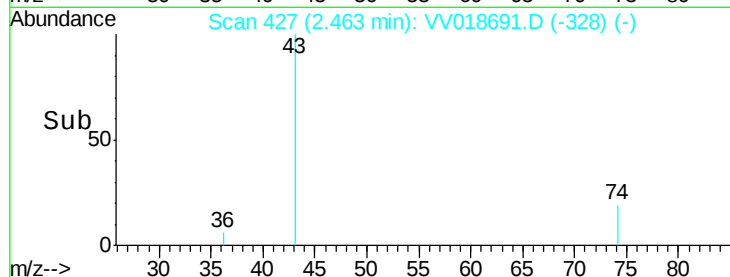
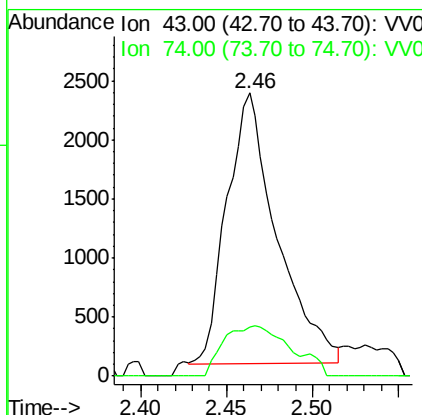
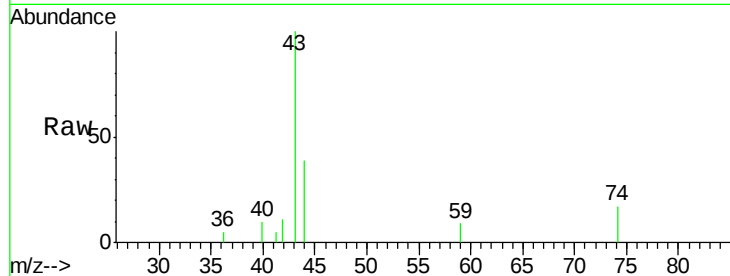
#15
Methvl Acetate
Concen: 2.770 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.02 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 4610
Ion Ratio Lower Upper
43 100
74 7.2 18.4 27.6#

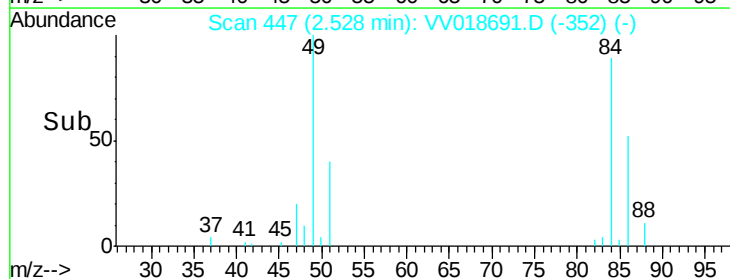
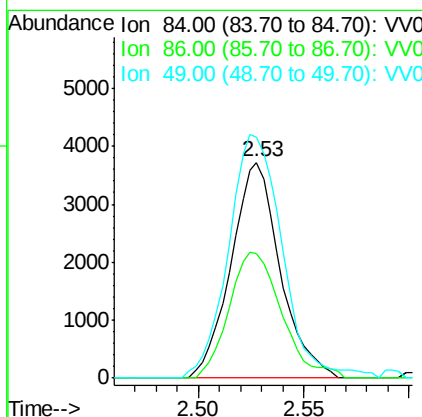
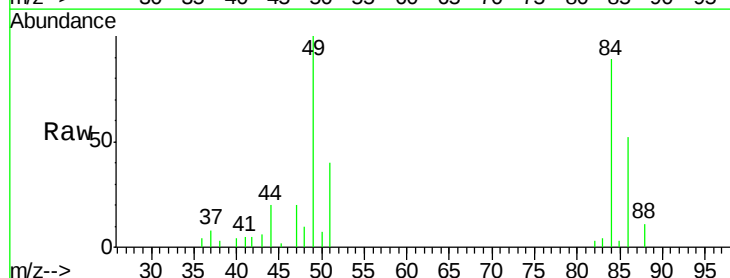
Manual Integrations
APPROVED

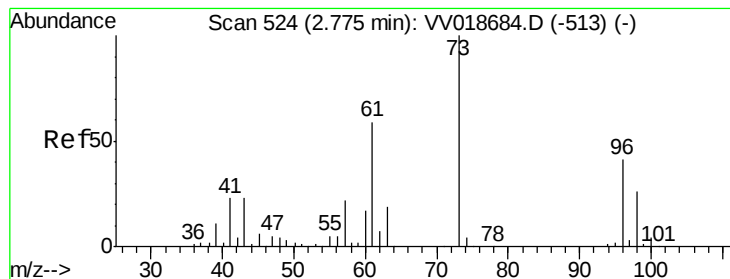
MMDadoda
10/12/2020 2:00:59 PM



#16
Methylene chloride
Concen: 3.420 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion: 84 Resp: 6026
Ion Ratio Lower Upper
84 100
86 57.8 46.0 85.4
49 112.0 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 2.693 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

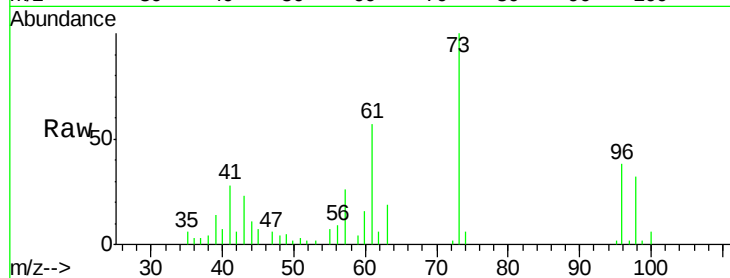
ClientSampled :

MDL05

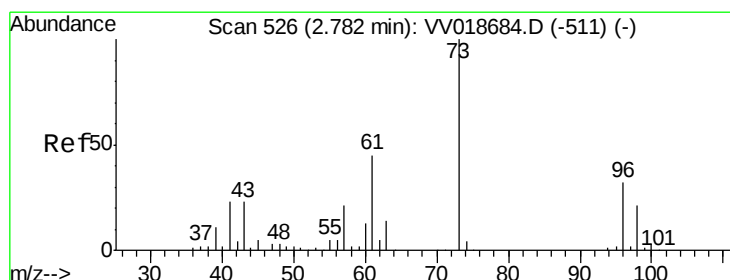
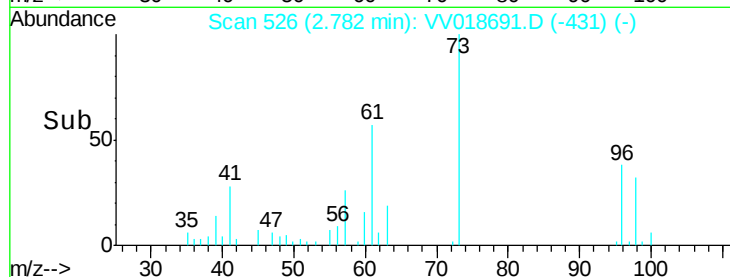
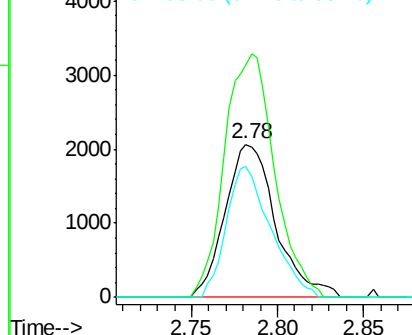
Tot Ion:	96	Resp:	4243
Ion	Ratio	Lower	Upper
96	100		
61	151.3	98.3	182.5
98	85.9	43.5	80.7#

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.649 ug/L

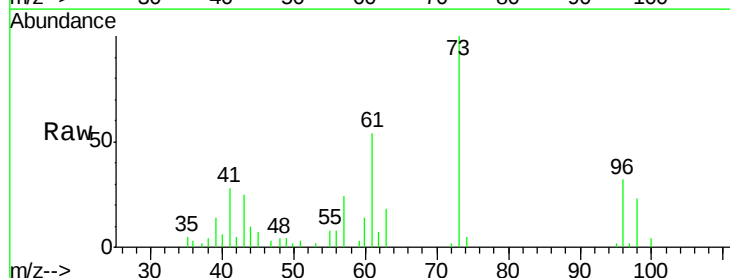
RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

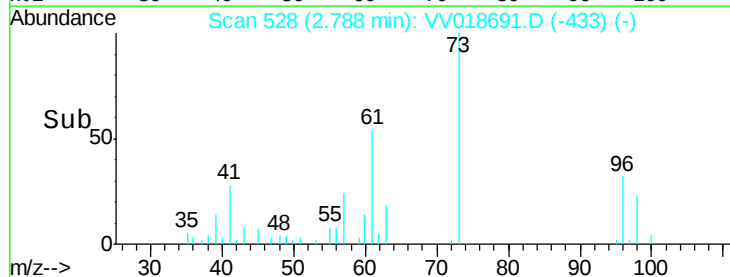
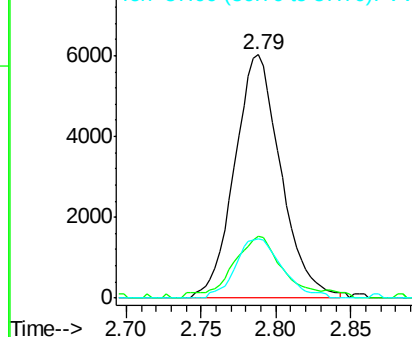
Lab File: VV018691.D

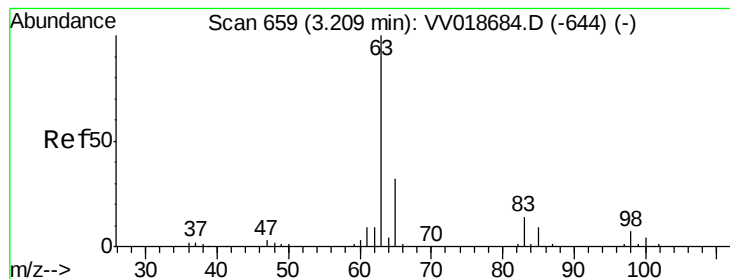
Acq: 06 Oct 2020 14:09

Tgt Ion:	73	Resp:	12974
Ion	Ratio	Lower	Upper
73	100		
43	23.2	15.4	23.2#
57	24.4	17.8	26.6



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.780 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

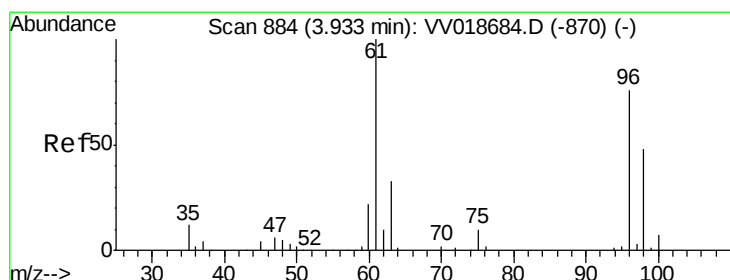
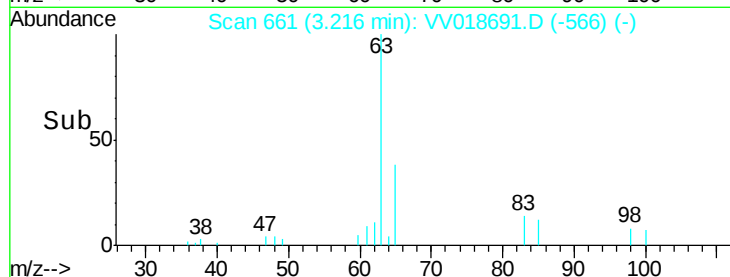
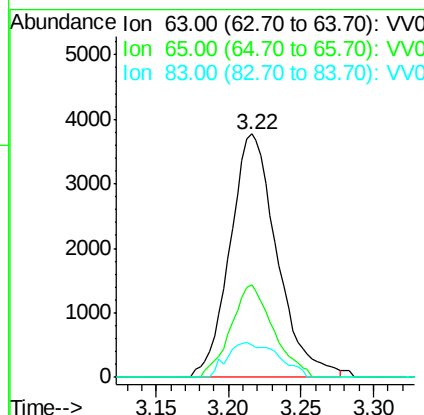
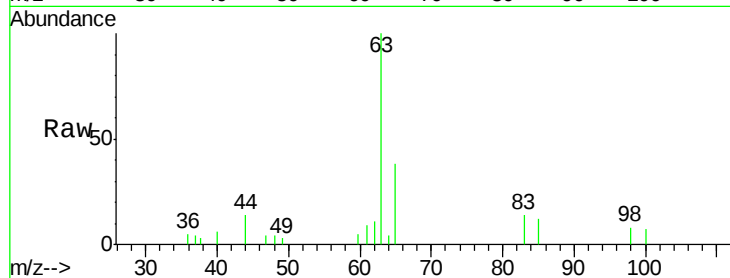
ClientSampled :

MDL05

Tot Ion:	63	Resp:	8502
Ion	Ratio	Lower	Upper
63	100		
65	38.1	21.8	40.6
83	13.5	9.2	17.2

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



#20

cis-1,2-Dichloroethene

Concen: 2.937 ug/L

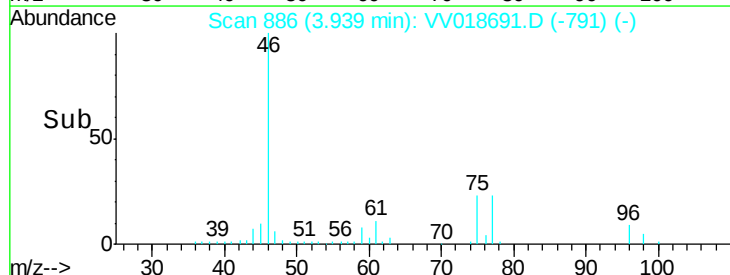
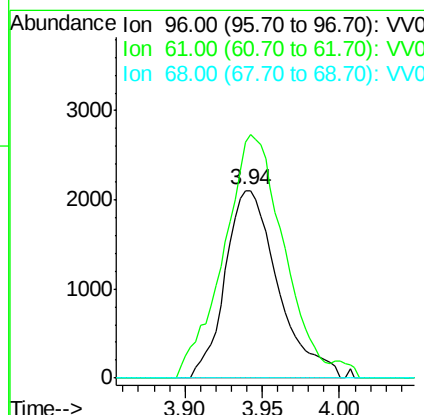
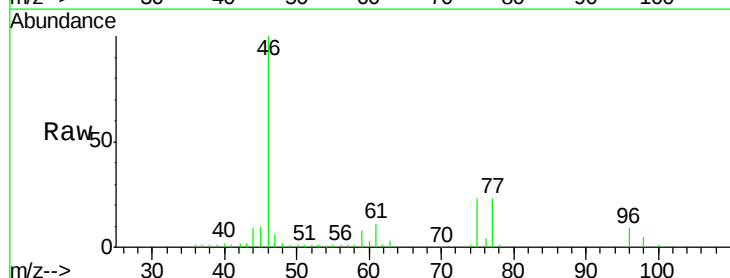
RT: 3.94 min Scan# 886

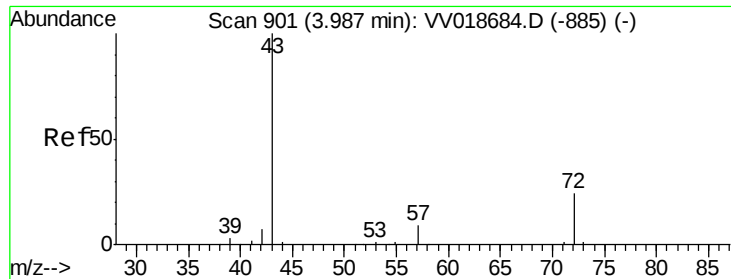
Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion:	96	Resp:	4989
Ion	Ratio	Lower	Upper
96	100		
61	125.6	90.4	167.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.127 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.04 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 43 Resp: 6418

Ion Ratio Lower Upper

43 100

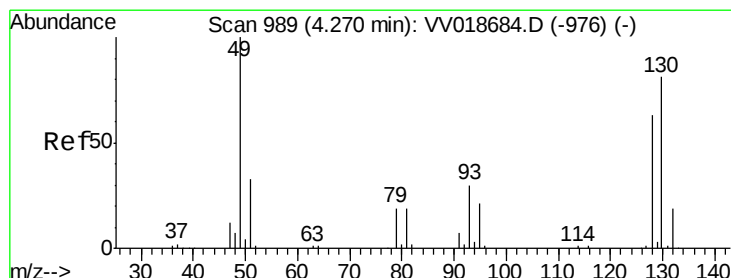
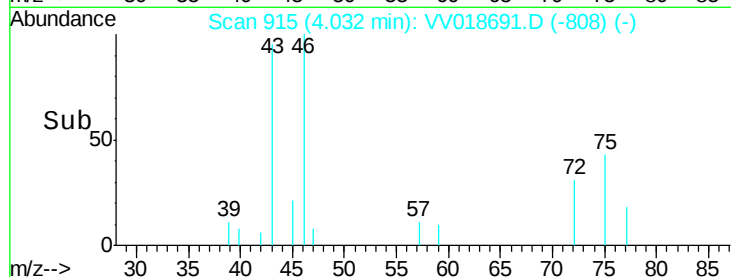
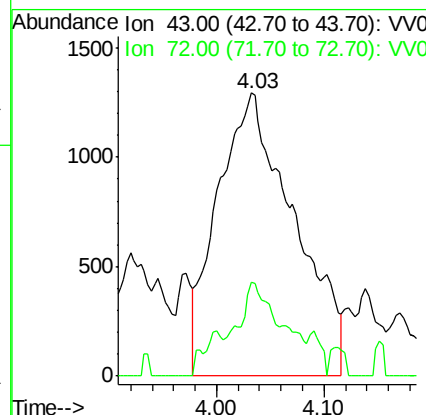
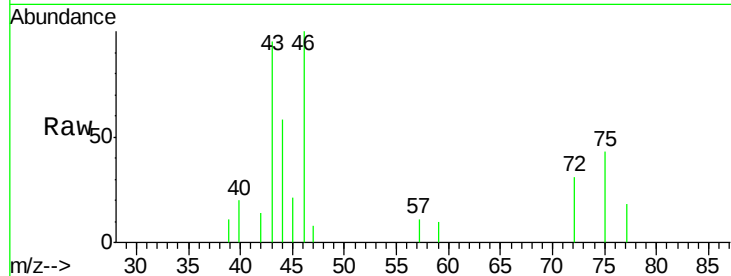
72 5.2 12.8 38.3#

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:59 PM



#23

Bromochloromethane

Concen: 2.871 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion: 128 Resp: 2612

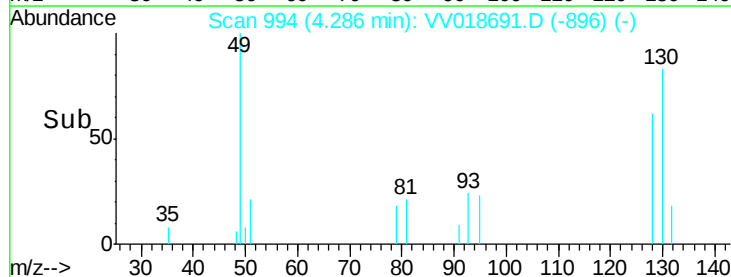
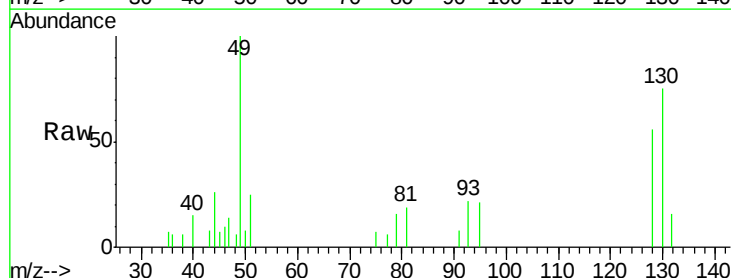
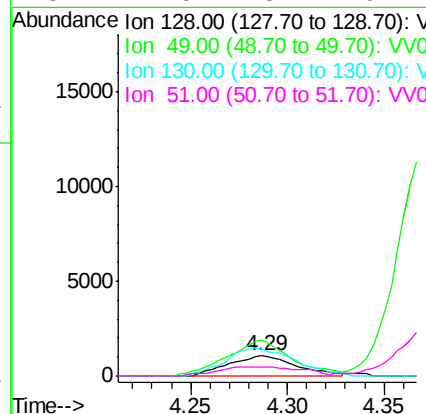
Ion Ratio Lower Upper

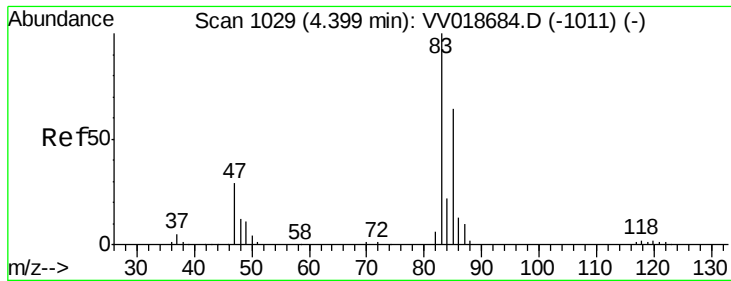
128 100

49 177.8 120.3 223.3

130 134.0 91.3 169.5

51 44.5 43.1 64.7





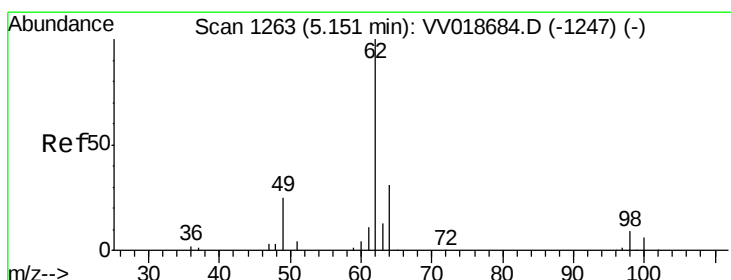
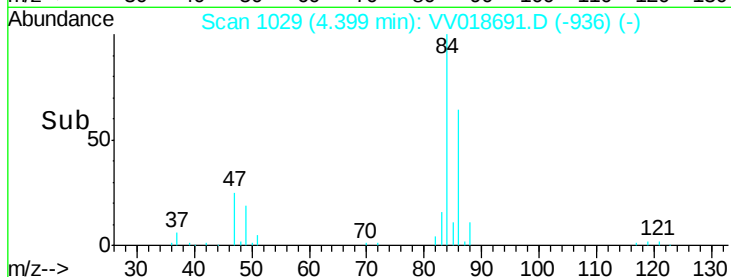
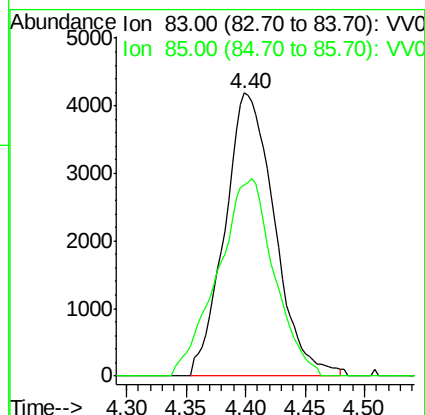
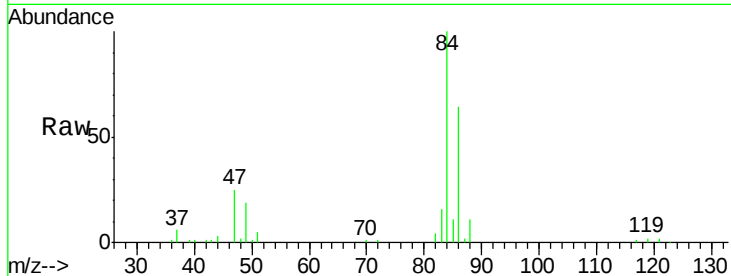
#25
Chloroform
Concen: 3.922 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	83	Resp	12127
Ion Ratio	100	Lower	Upper
85	67.4	45.2	84.0

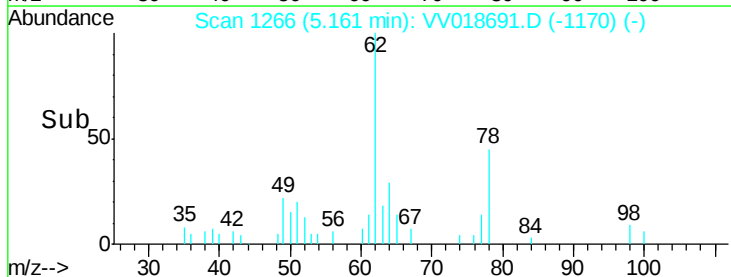
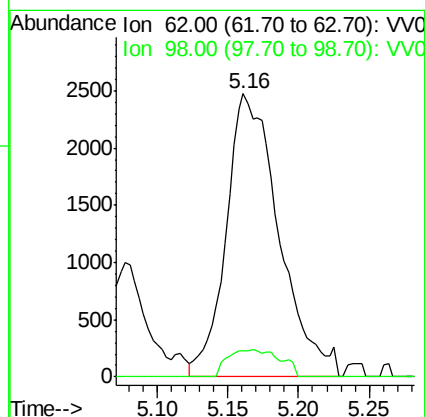
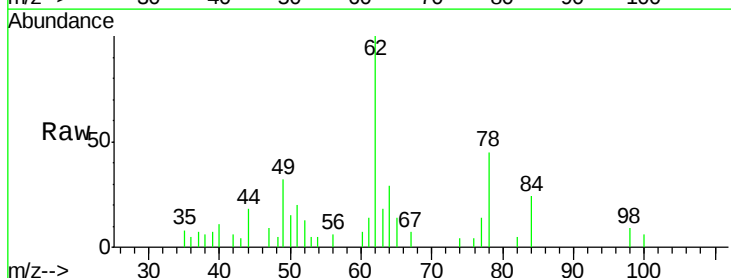
Manual Integrations
APPROVED

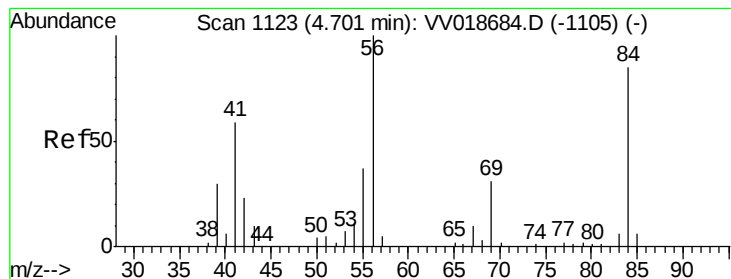
MMDadoda
10/12/2020 2:00:59 PM



#27
1,2-Dichloroethane
Concen: 2.684 ug/L m
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion	62	Resp	6431
Ion Ratio	100	Lower	Upper
98	9.3	7.4	11.2





#29

Cvclohexane

Concen: 2.232 ug/L

RT: 4.71 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

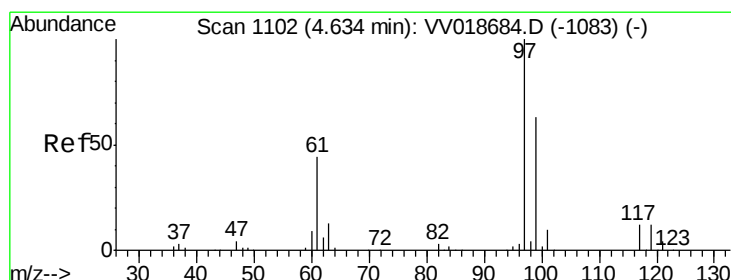
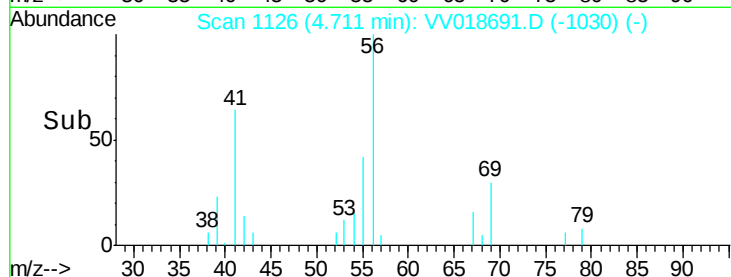
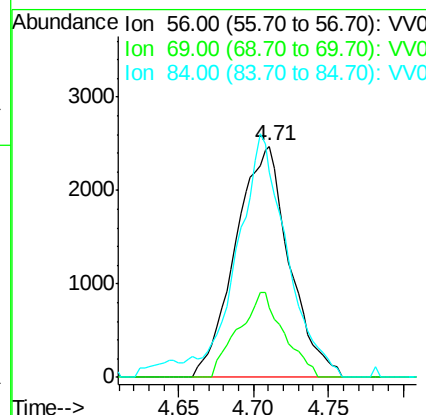
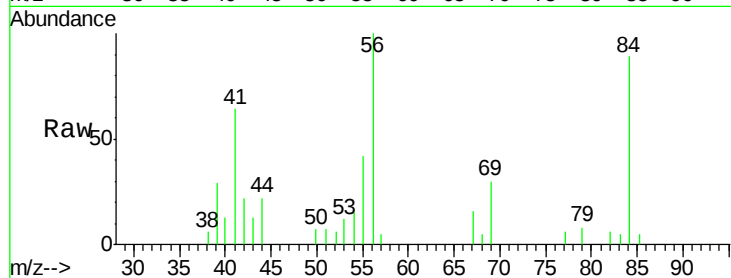
ClientSampleId :

MDL05

Tot Ion:	56	Resp:	6191
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	95.8	68.6	102.8

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



#30

1,1,1-Trichloroethane

Concen: 2.526 ug/L

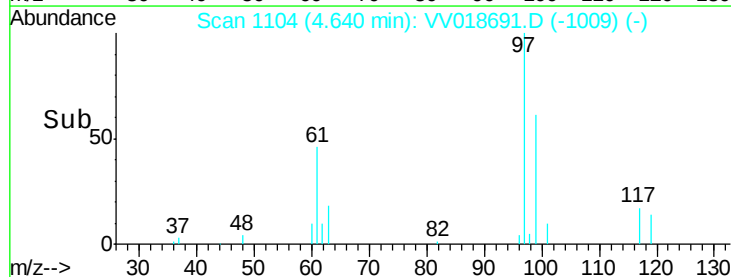
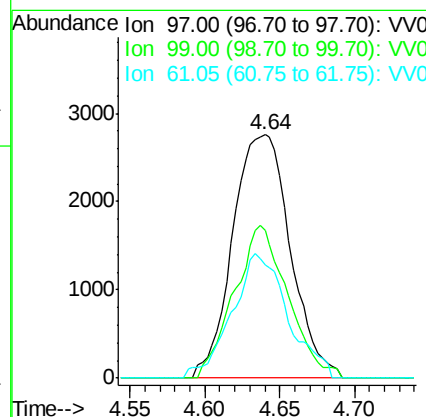
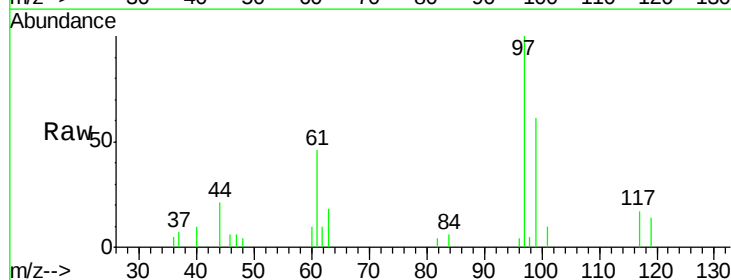
RT: 4.64 min Scan# 1104

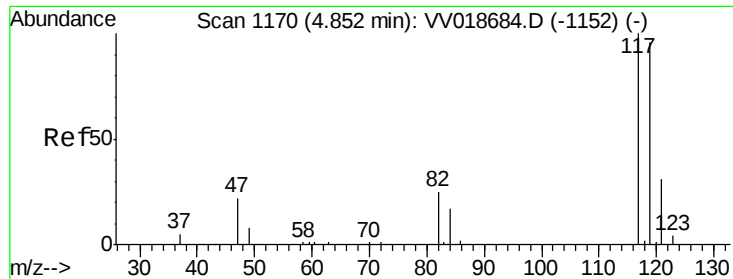
Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion:	97	Resp:	7406
Ion	Ratio	Lower	Upper
97	100		
99	57.8	50.7	76.1
61	48.6	35.0	52.6





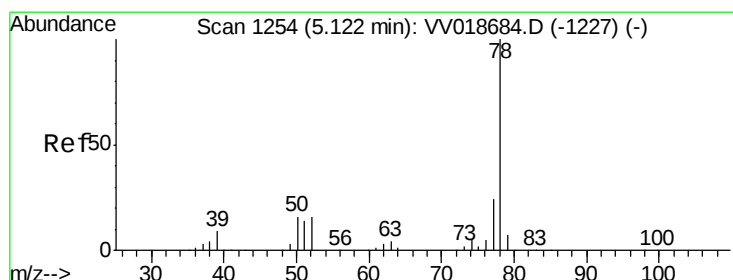
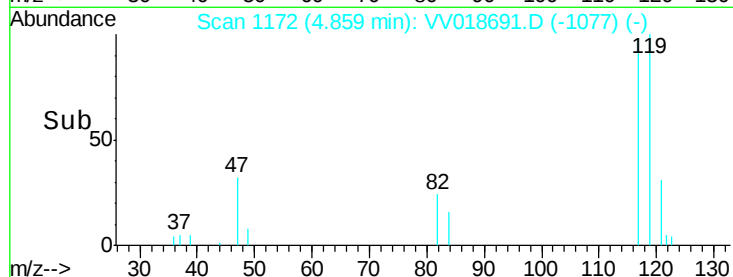
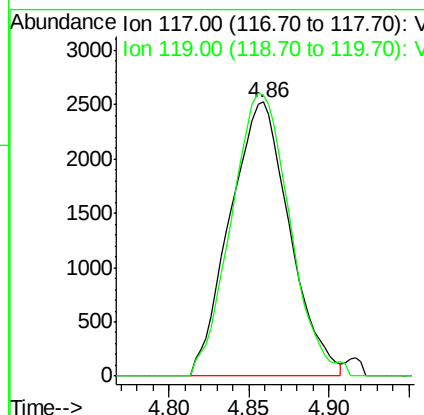
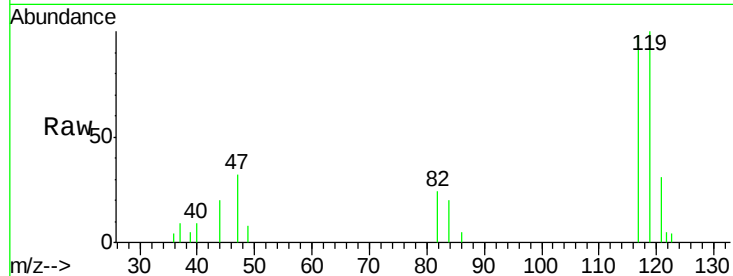
#31
Carbon tetrachloride
Concen: 2.531 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:117 Resp: 6468
Ion Ratio Lower Upper
117 100
119 100.4 76.7 115.1

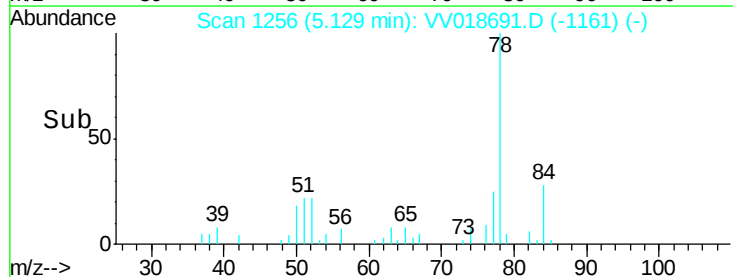
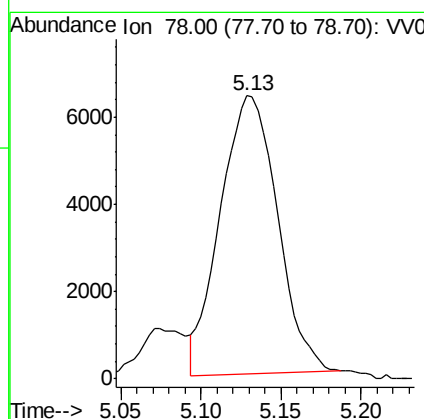
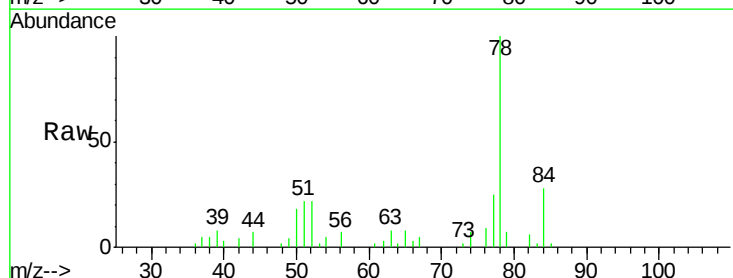
Manual Integrations
APPROVED

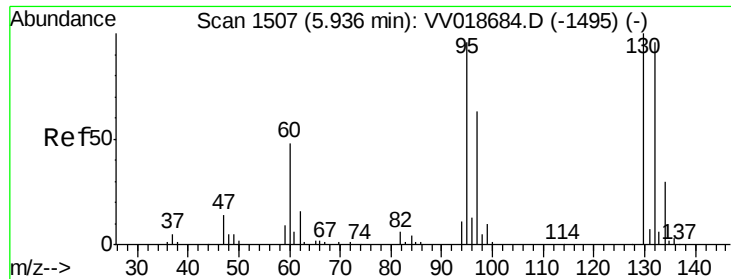
MMDadoda
10/12/2020 2:00:59 PM



#33
Benzene
Concen: 2.187 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion: 78 Resp: 15615





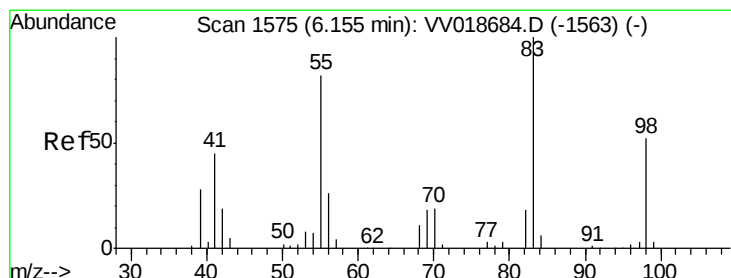
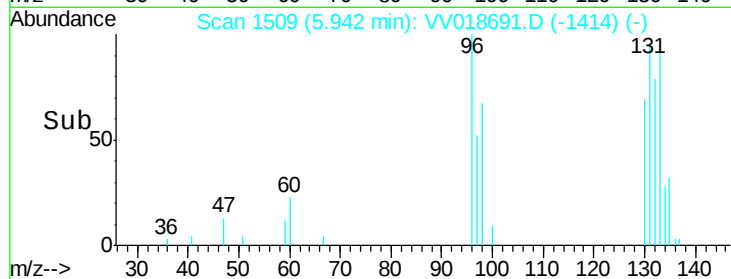
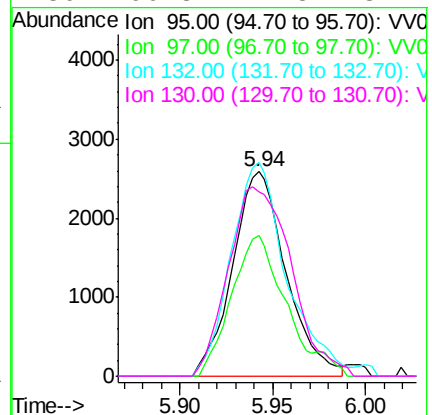
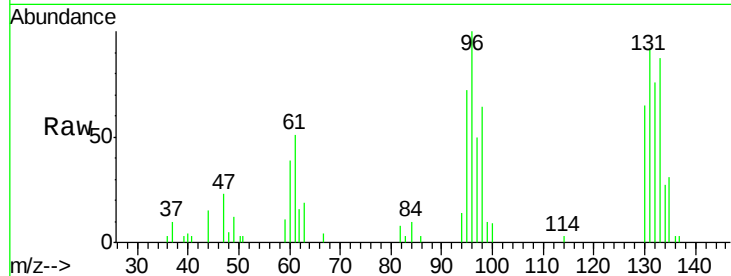
#34
 Trichloroethene
 Concen: 2.655 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		5210		
97	69.1	44.7	83.1		
132	104.4	67.8	126.0		
130	90.3	71.5	132.7		

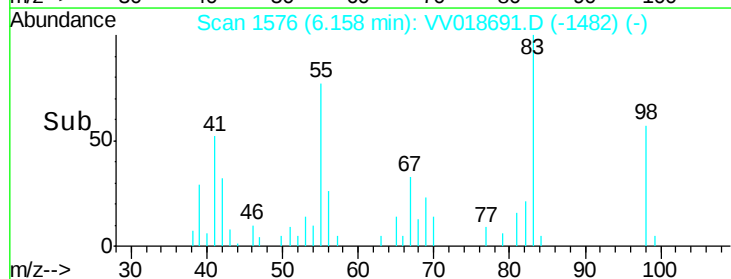
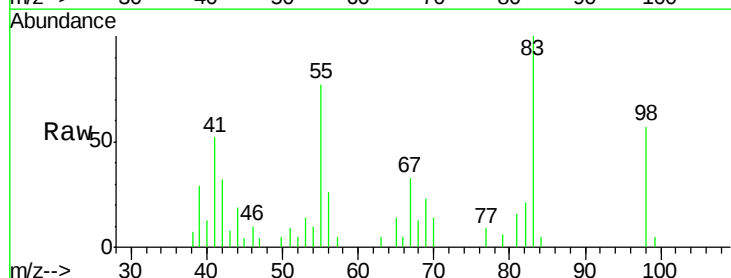
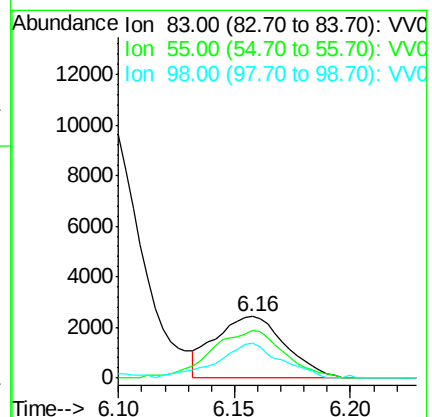
Manual Integrations
 APPROVED

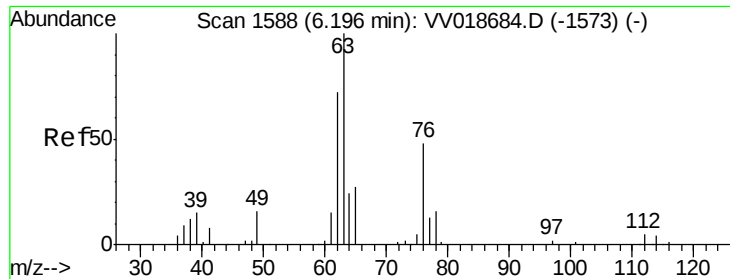
MMDadoda
 10/12/2020 2:00:59 PM



#35
 Methylcyclohexane
 Concen: 1.806 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		5147		
55	80.4	63.6	95.4		
98	50.7	38.6	58.0		





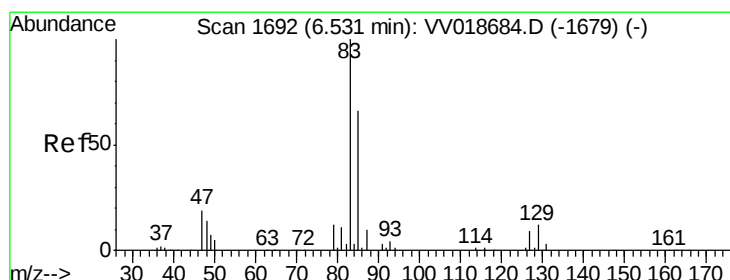
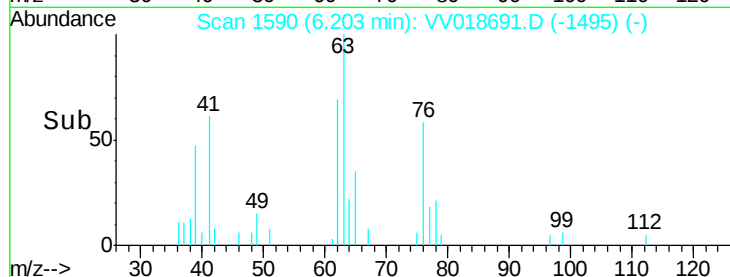
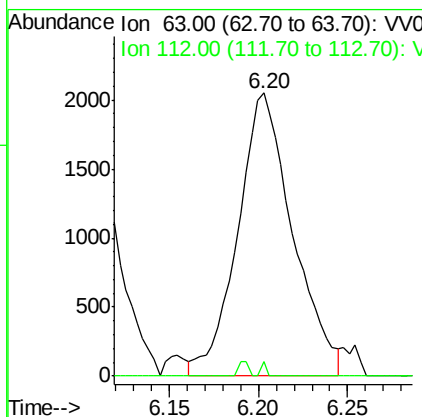
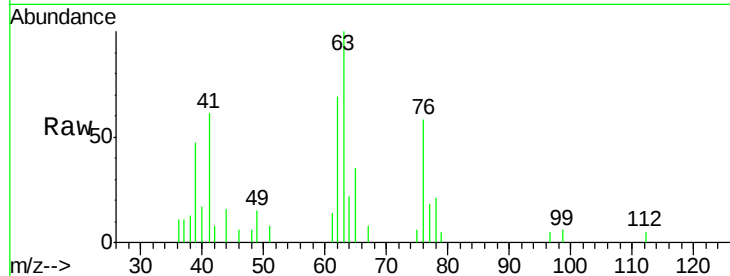
#37
 1,2-Dichloropropane
 Concen: 2.339 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 4414
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.7 5.5#

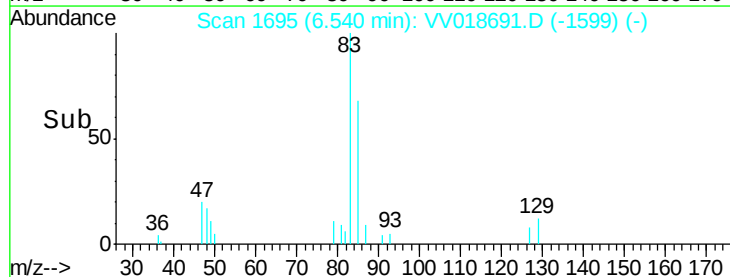
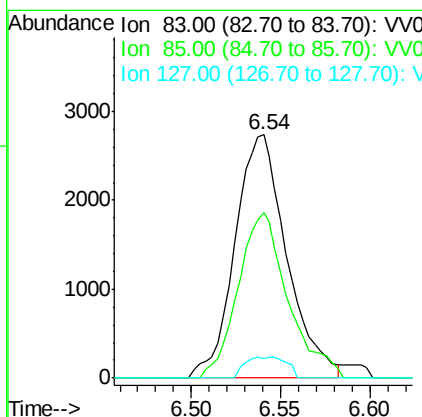
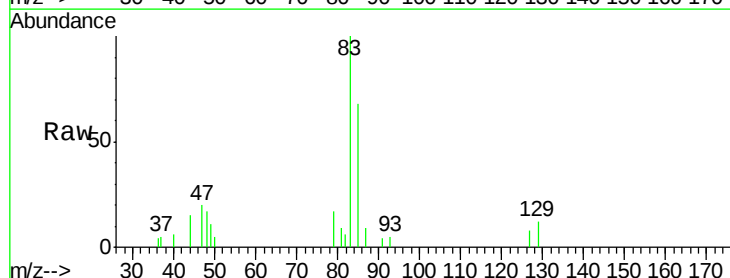
Manual Integrations
 APPROVED

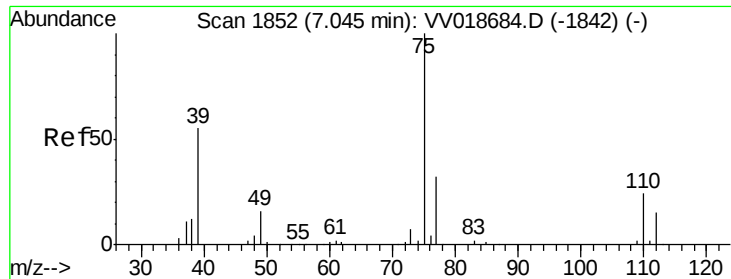
MMDadoda
 10/12/2020 2:00:59 PM



#38
 Bromodichloromethane
 Concen: 2.249 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion: 83 Resp: 5555
 Ion Ratio Lower Upper
 83 100
 85 68.0 45.1 83.9
 127 8.3 6.8 10.2





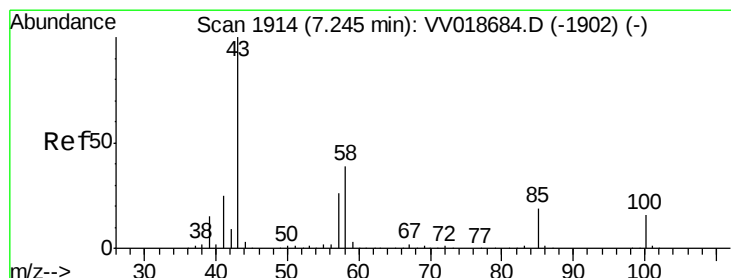
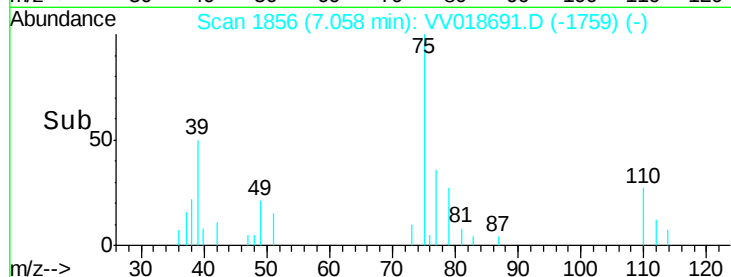
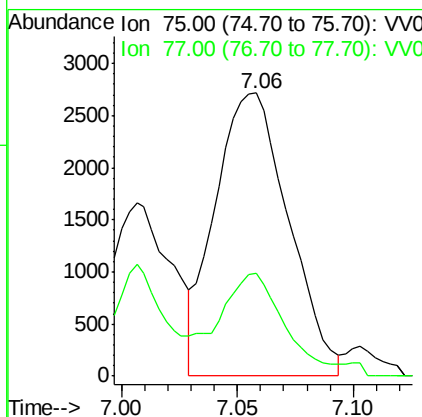
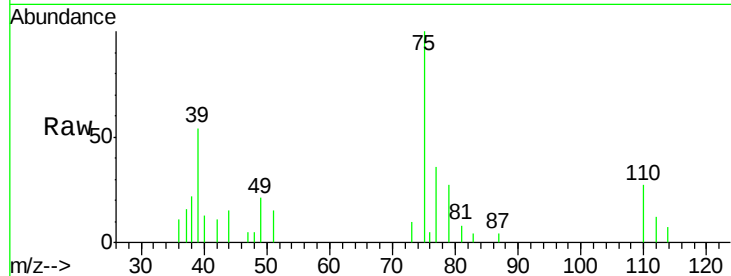
#39
 cis-1,3-Dichloropropene
 Concen: 2.115 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 5990
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.7 42.1

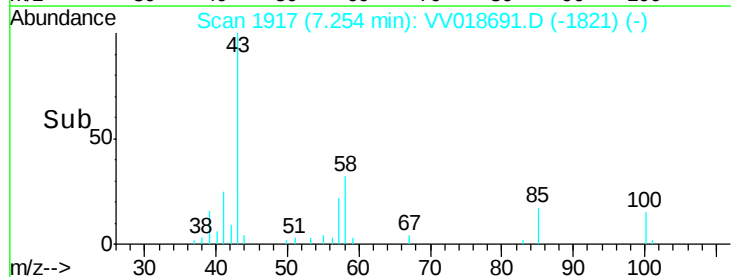
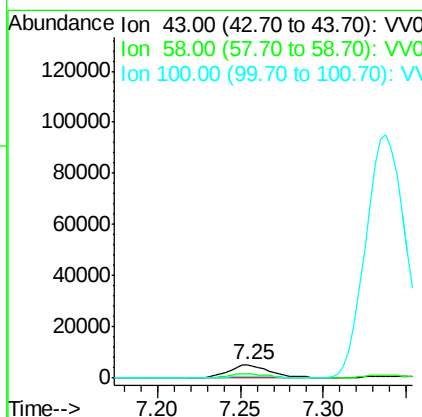
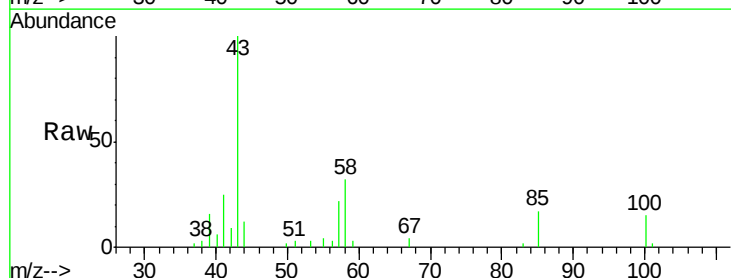
Manual Integrations
 APPROVED

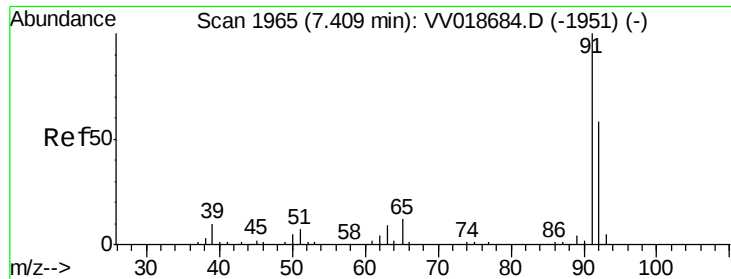
MMDadoda
 10/12/2020 2:00:59 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.166 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion: 43 Resp: 9332
 Ion Ratio Lower Upper
 43 100
 58 33.7 32.4 48.6
 100 16.4 13.0 19.4





#42

Toluene

Concen: 2.218 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 16613

Ion Ratio Lower Upper

91 100

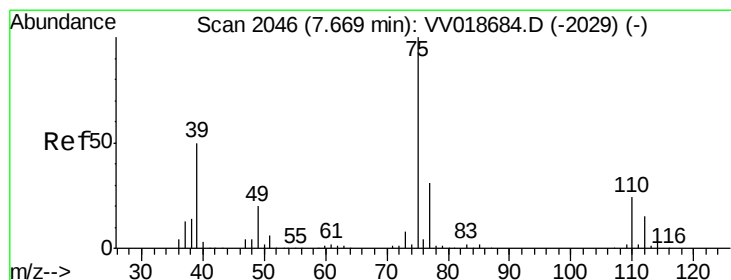
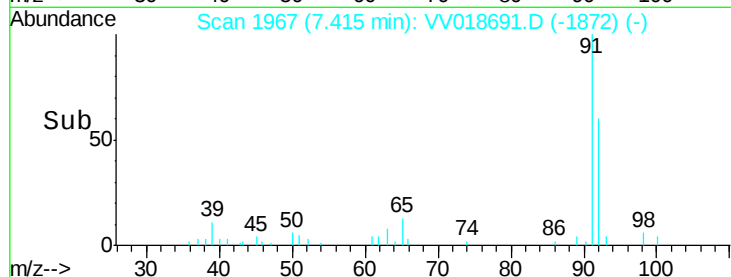
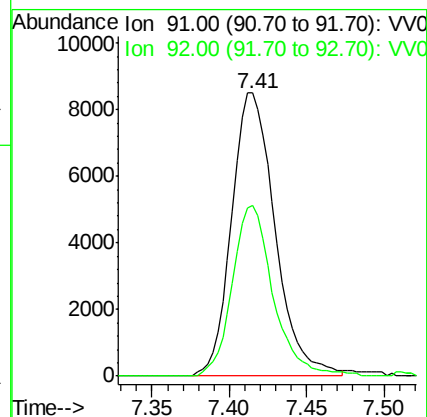
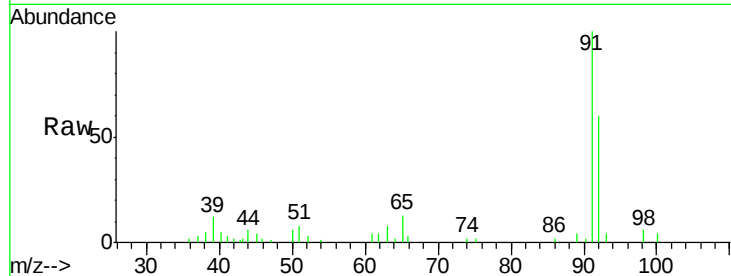
92 60.3 40.7 75.7

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:59 PM



#44

trans-1,3-Dichloropropene

Concen: 2.062 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018691.D

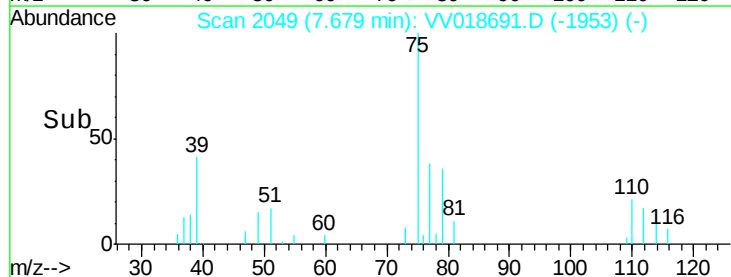
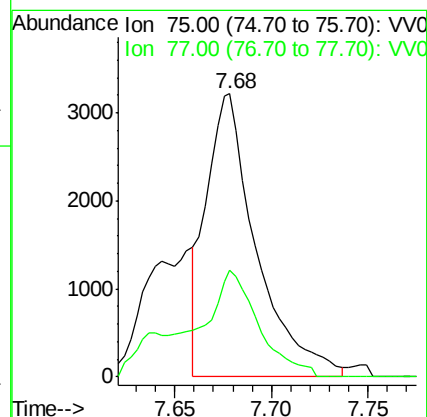
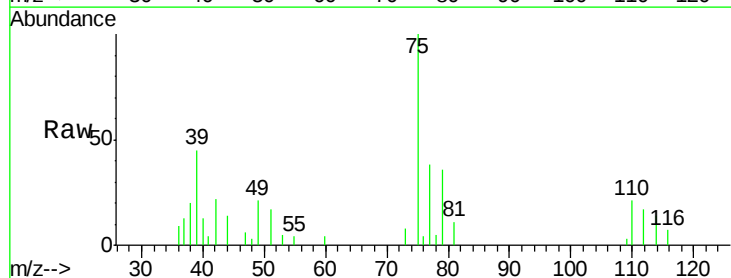
Acq: 06 Oct 2020 14:09

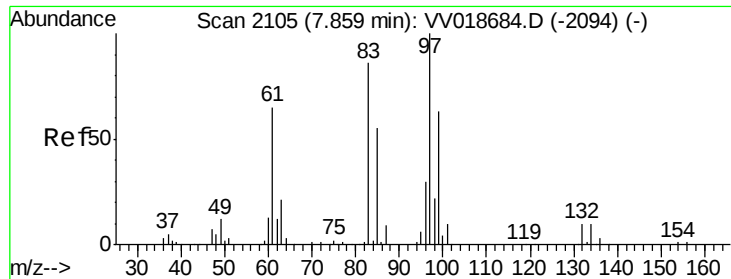
Tgt Ion: 75 Resp: 5788

Ion Ratio Lower Upper

75 100

77 37.8 21.8 40.4





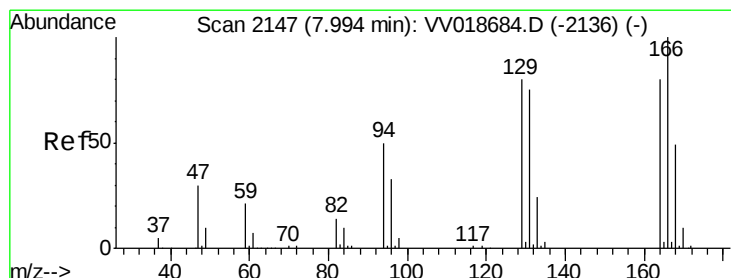
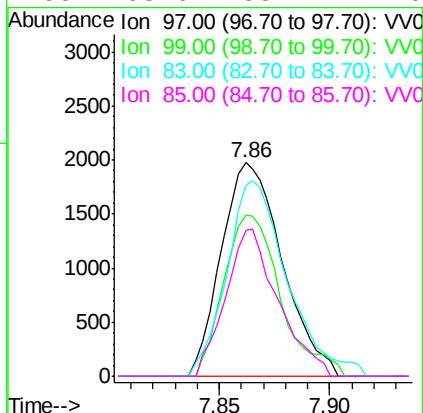
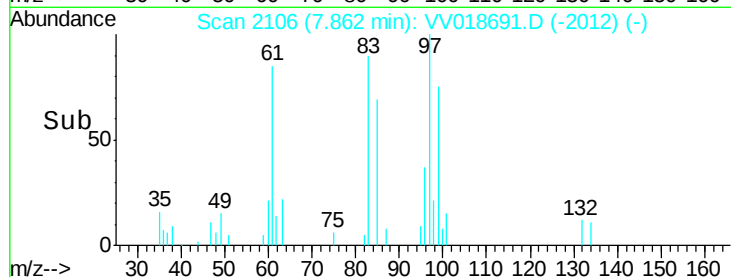
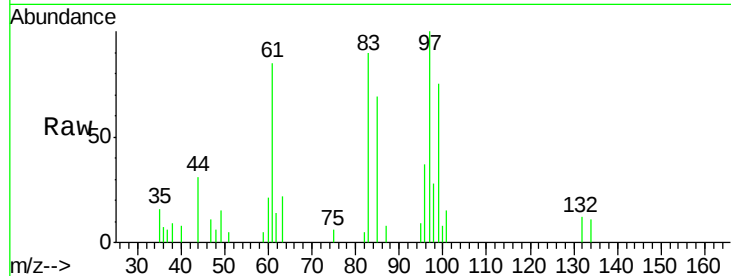
#45
1,1,2-Trichloroethane
Concen: 2.129 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	97	Resp:	3784
Ion	Ratio	Lower	Upper
97	100		
99	75.4	44.6	82.8
83	89.5	60.5	112.5
85	68.6	38.2	71.0

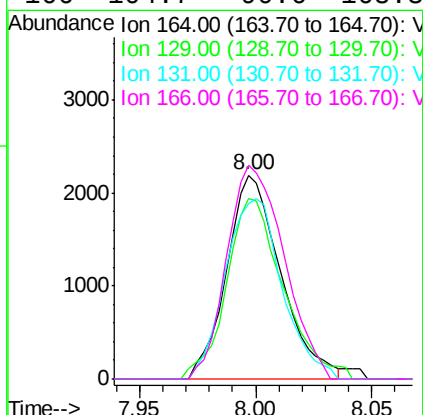
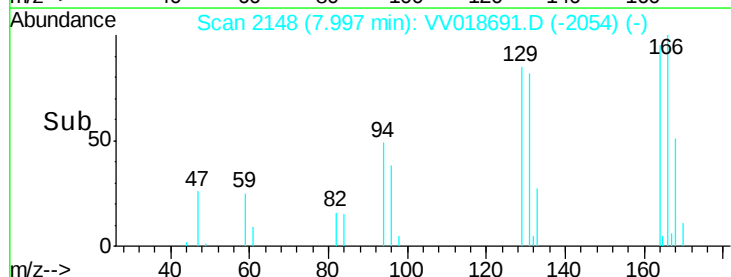
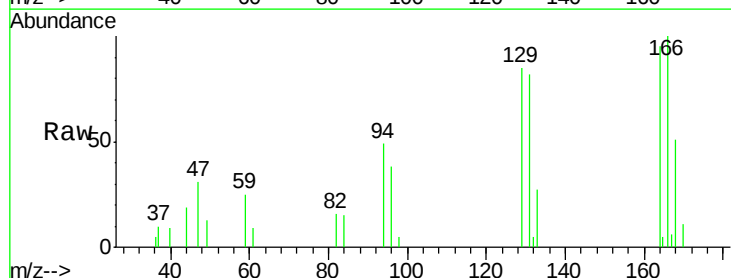
Manual Integrations
APPROVED

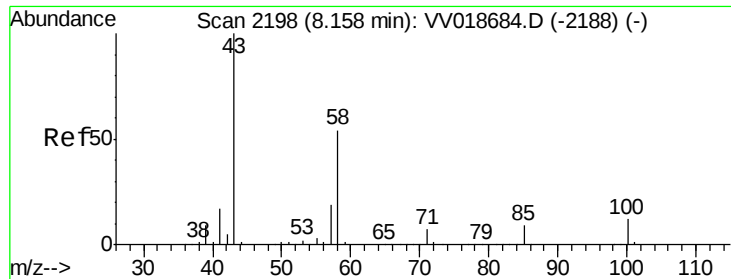
MMDadoda
10/12/2020 2:00:59 PM



#46
Tetrachloroethene
Concen: 2.300 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion:	164	Resp:	3535
Ion	Ratio	Lower	Upper
164	100		
129	88.5	63.7	118.3
131	85.7	60.6	112.6
166	104.7	90.6	168.3





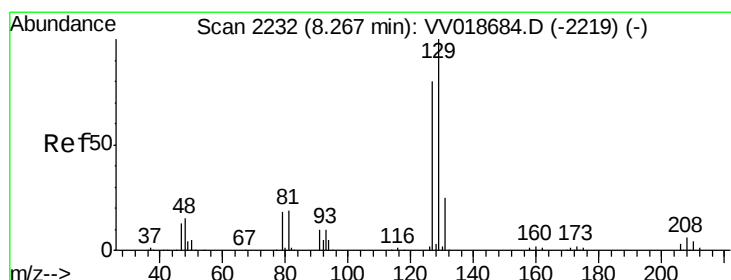
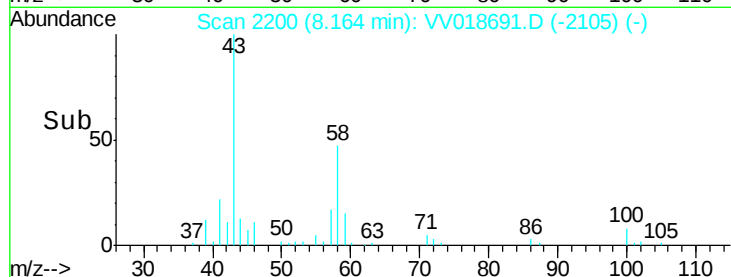
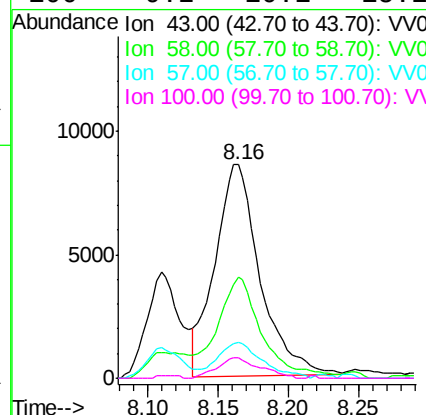
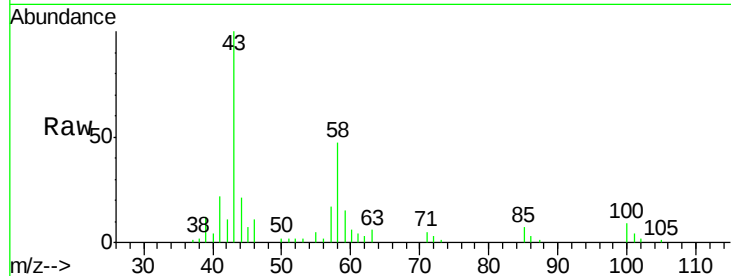
#48
2-Hexanone
Concen: 10.066 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	45.4	68.0#
57	16.5	16.0	24.0
100	9.2	10.1	15.1#

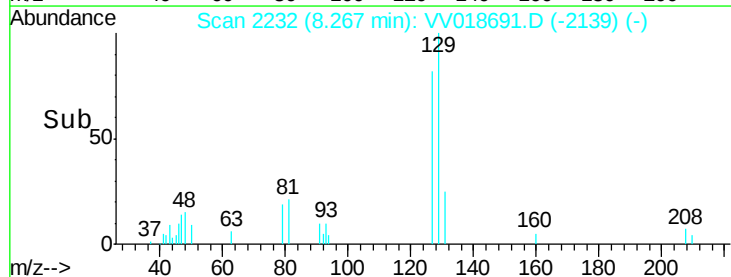
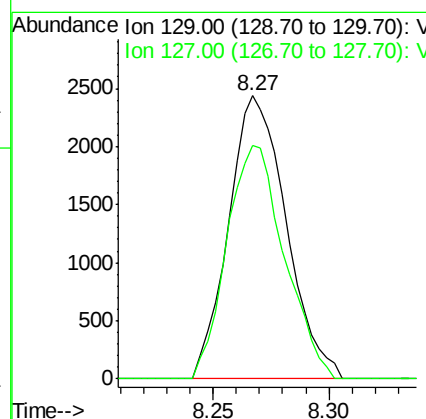
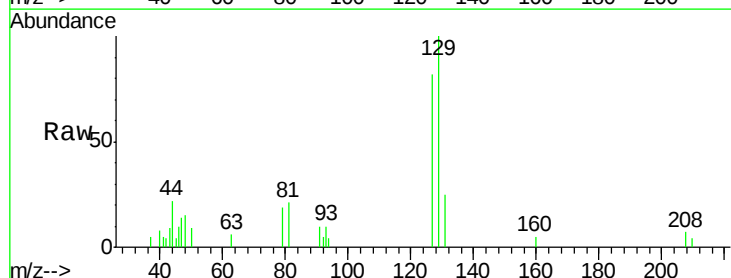
Manual Integrations
APPROVED

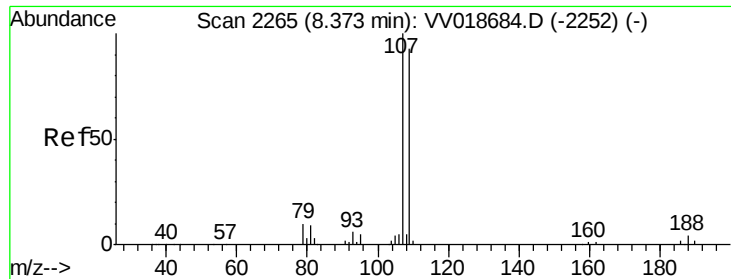
MMDadoda
10/12/2020 2:00:59 PM



#49
Dibromochloromethane
Concen: 2.121 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.4	53.5	99.5





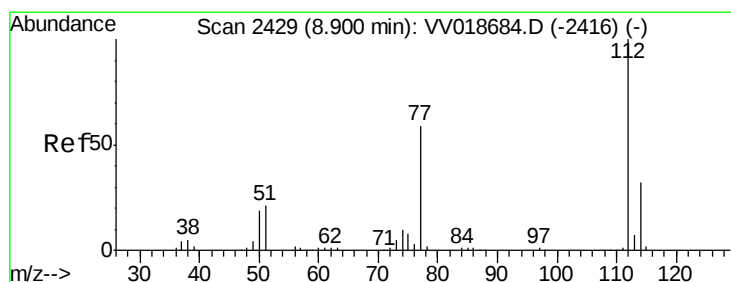
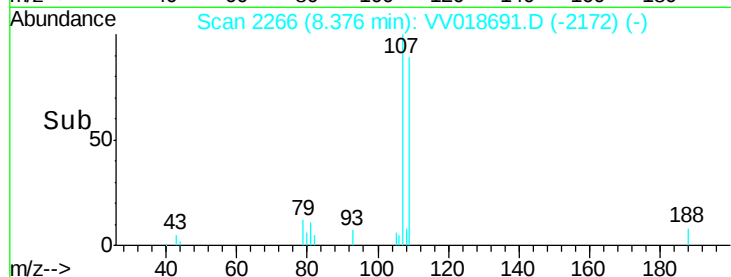
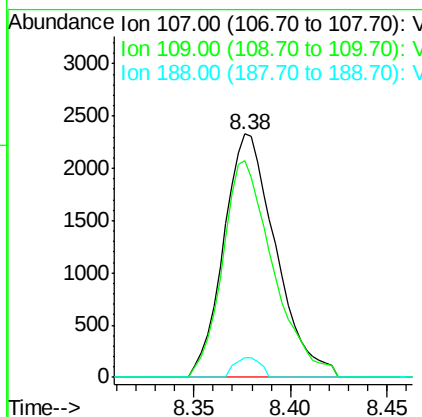
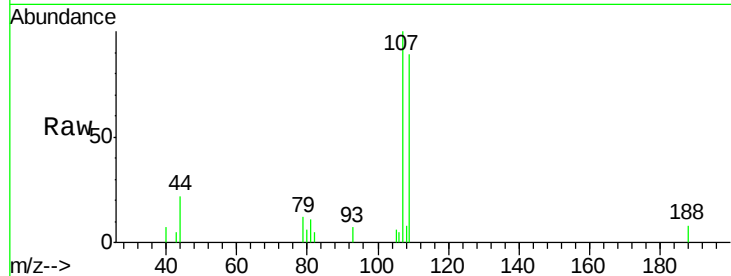
#50
 1,2-Dibromoethane
 Concen: 2.351 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.9	64.9	120.5
188	7.9	3.4	5.0#

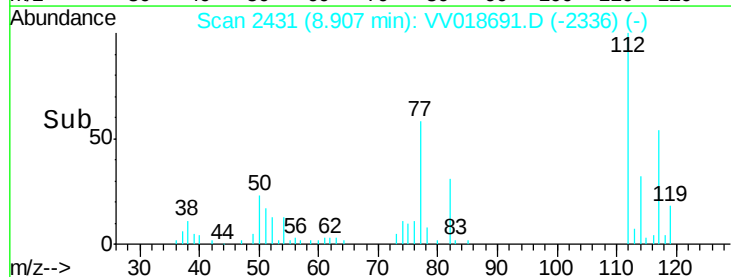
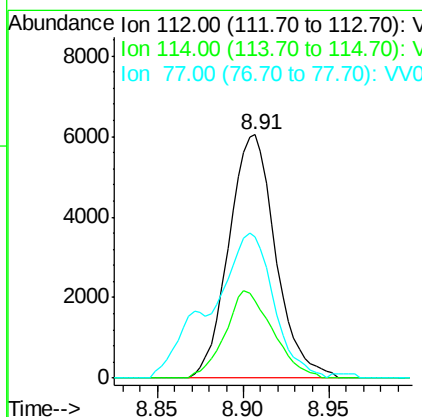
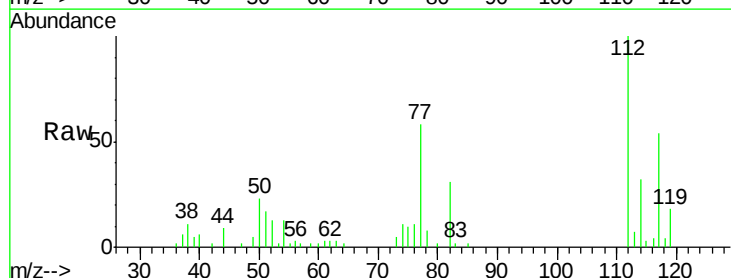
Manual Integrations
 APPROVED

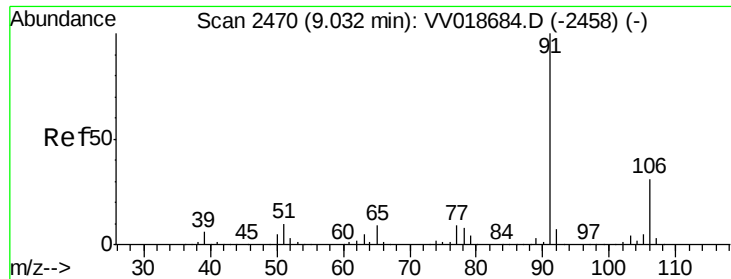
MMDadoda
 10/12/2020 2:00:59 PM



#51
 Chlorobenzene
 Concen: 2.294 ug/L
 RT: 8.91 min Scan# 2431
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.2	41.2
77	57.8	47.4	71.2





#52

Ethylbenzene

Concen: 2.072 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tot Ion: 91 Resp: 17077

Ion Ratio Lower Upper

91 100

106 34.3 21.4 39.8

Instrument :

MSVOA_V

ClientSampleId :

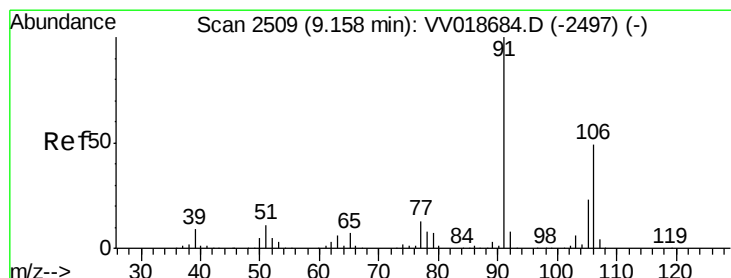
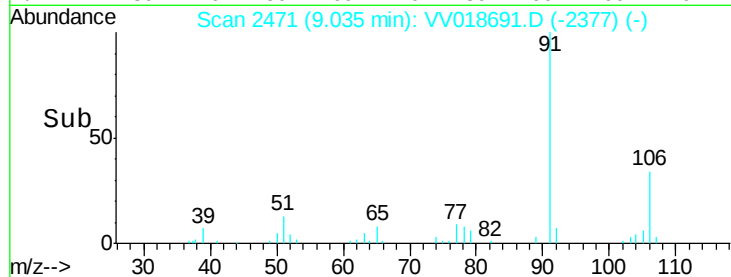
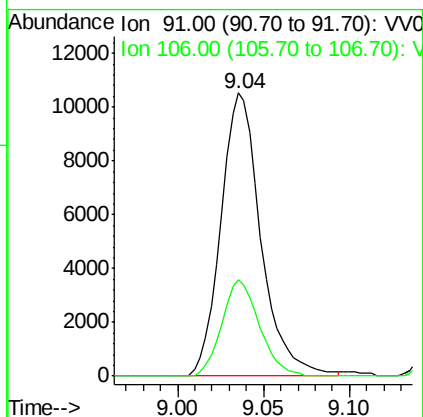
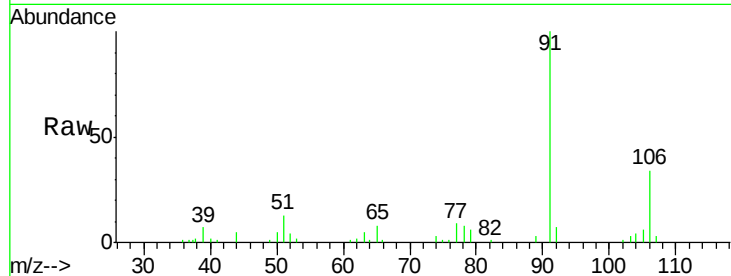
MDL05

Manual Integrations

APPROVED

MMDadoda

10/12/2020 2:00:59 PM



#53

m,p-Xylene

Concen: 1.920 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018691.D

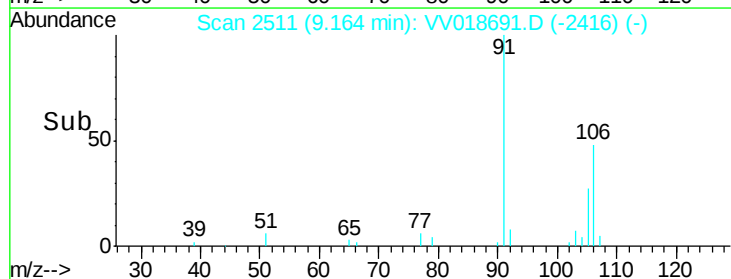
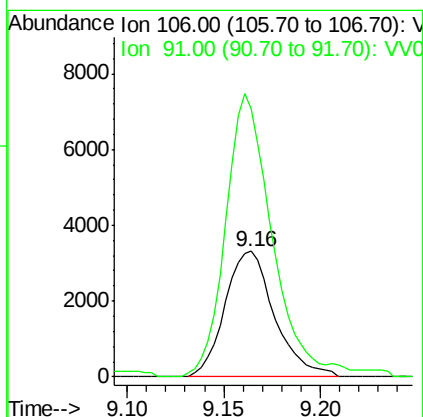
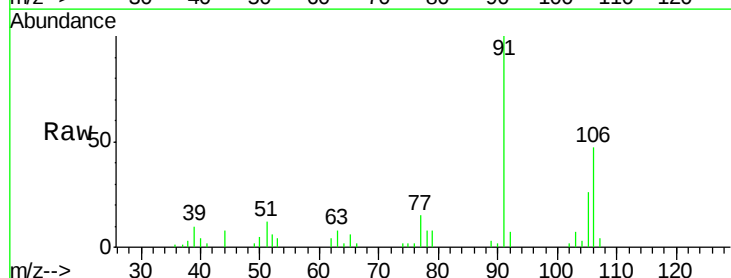
Acq: 06 Oct 2020 14:09

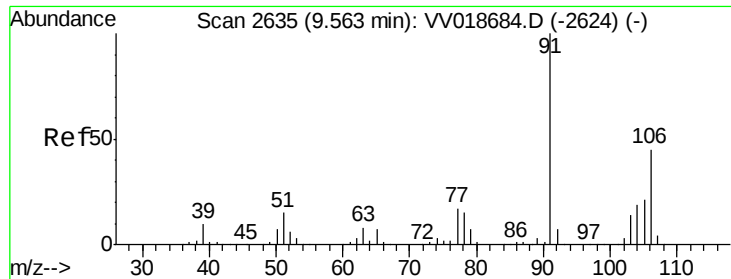
Tgt Ion: 106 Resp: 5909

Ion Ratio Lower Upper

106 100

91 213.9 143.4 266.4





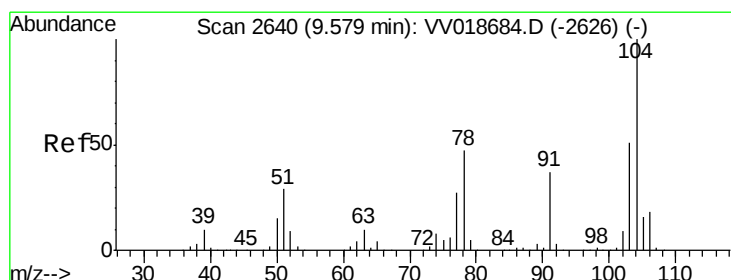
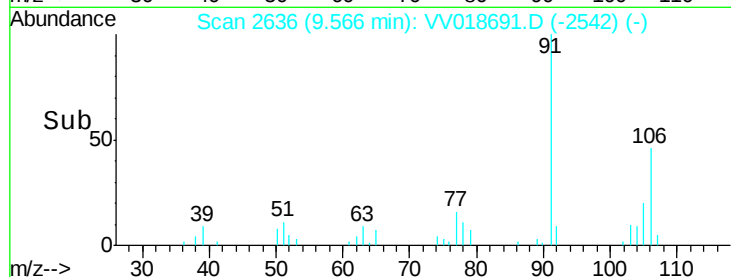
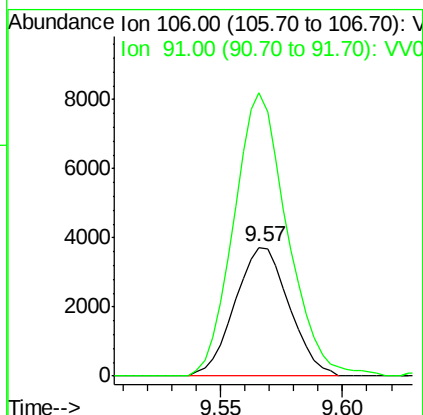
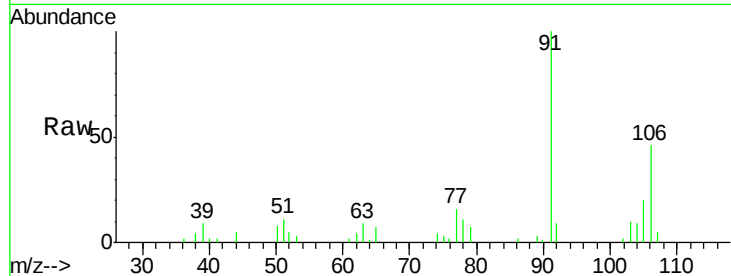
#54
o-Xylene
Concen: 1.949 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:106 Resp: 5779
Ion Ratio Lower Upper
106 100
91 219.2 154.7 287.3

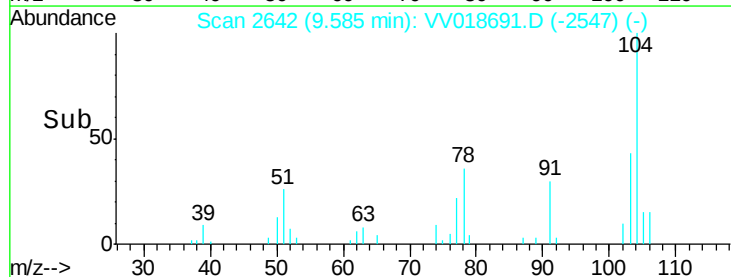
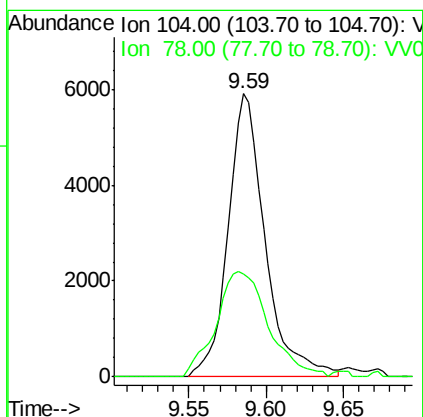
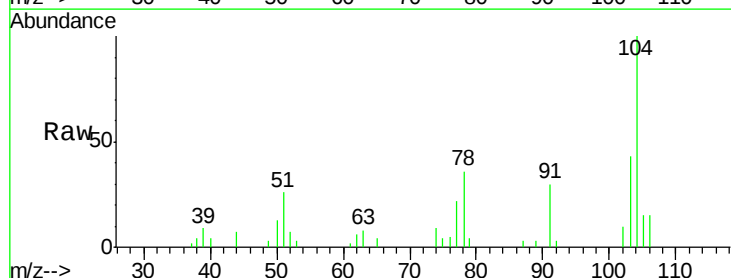
Manual Integrations
APPROVED

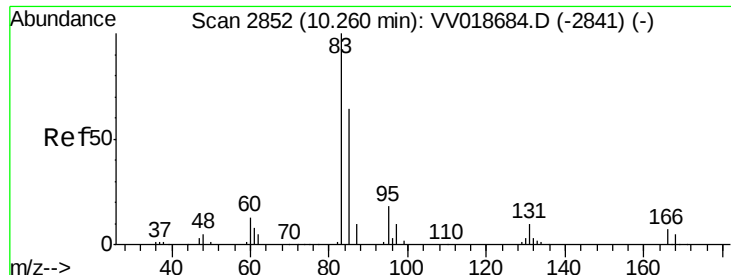
MMDadoda
10/12/2020 2:00:59 PM



#55
Styrene
Concen: 1.890 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion:104 Resp: 9800
Ion Ratio Lower Upper
104 100
78 36.2 32.1 59.5





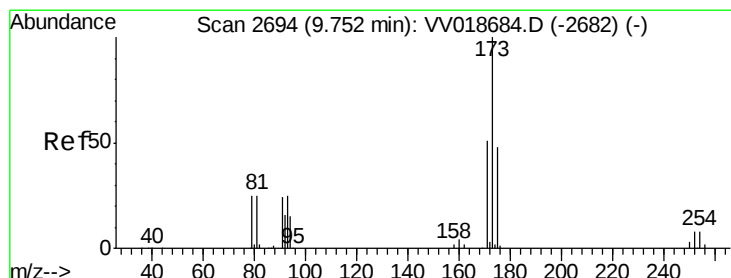
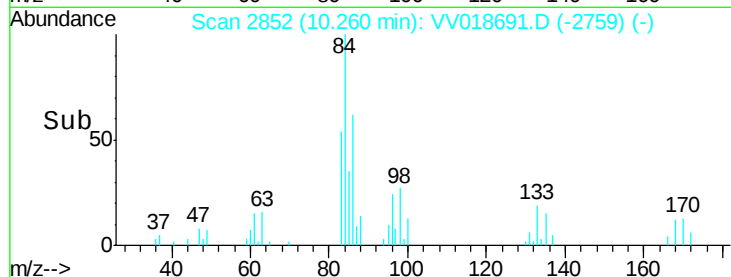
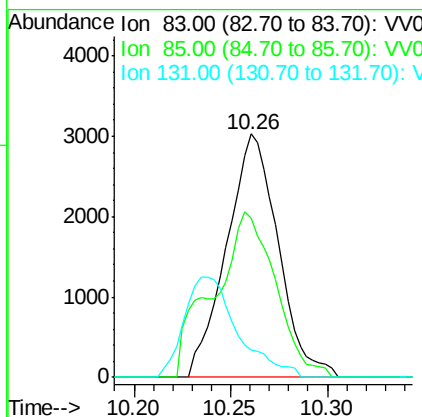
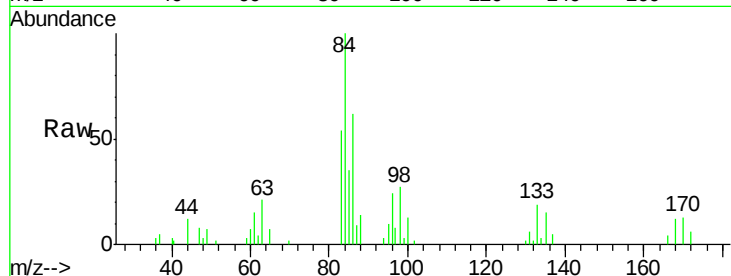
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.169 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.4	82.5
131	11.4	7.8	11.6

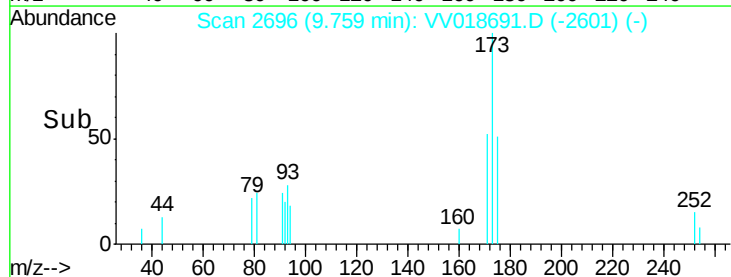
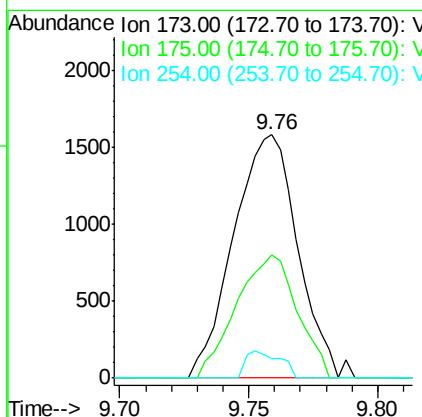
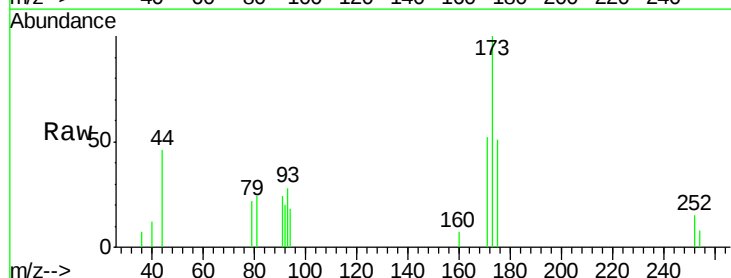
Manual Integrations
 APPROVED

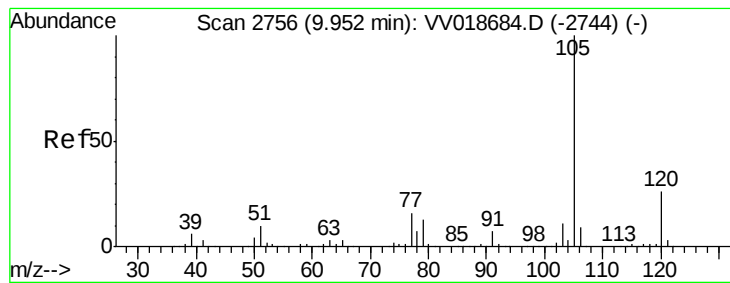
MMDadoda
 10/12/2020 2:00:59 PM



#59
 Bromoform
 Concen: 2.329 ug/L
 RT: 9.76 min Scan# 2696
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.4	59.2
254	5.3	8.7	13.1#





#60

Isopropylbenzene

Concen: 2.301 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

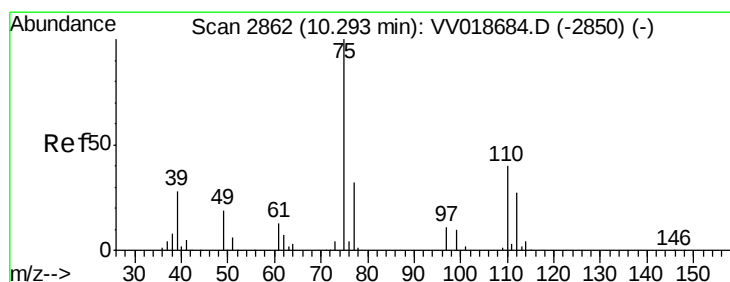
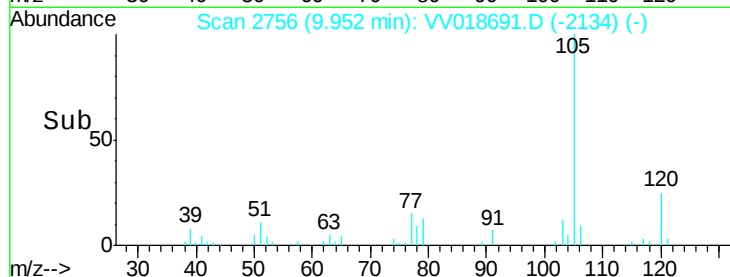
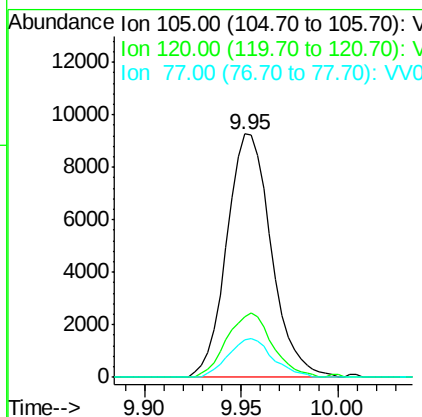
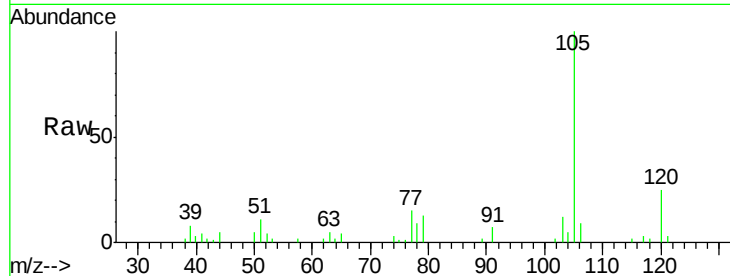
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	14866
Ion Ratio	Lower	Upper	
105	100		
120	26.9	20.8	31.2
77	15.9	12.8	19.2

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



#61

1,2,3-Trichloropropane

Concen: 2.859 ug/L

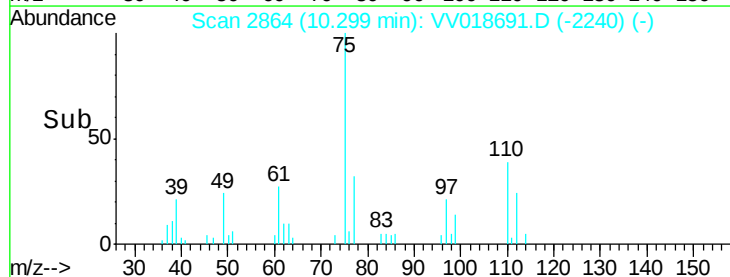
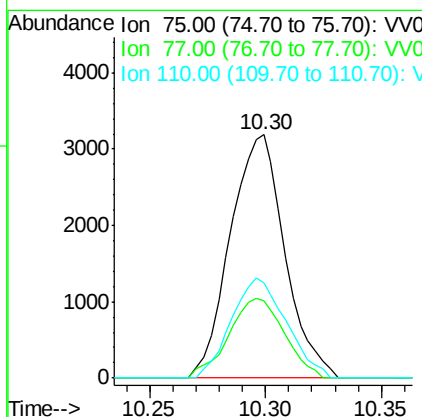
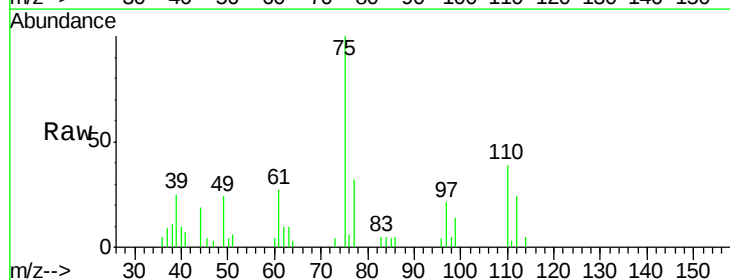
RT: 10.30 min Scan# 2864

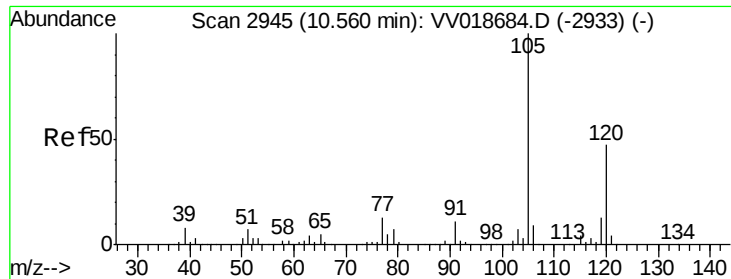
Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion:	75	Resp:	5200
Ion Ratio	Lower	Upper	
75	100		
77	33.4	25.8	38.8
110	41.4	31.5	47.3





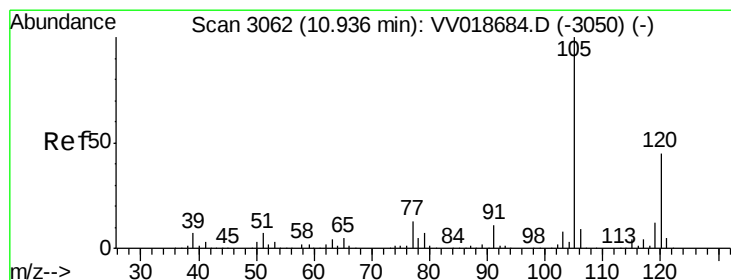
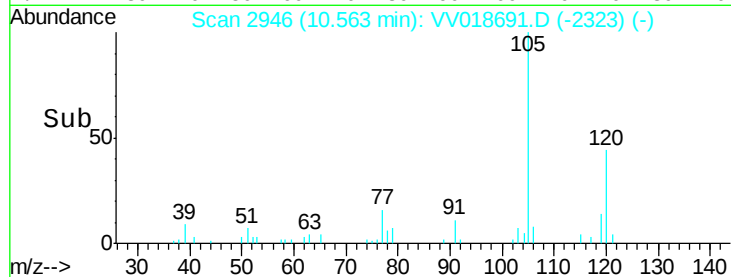
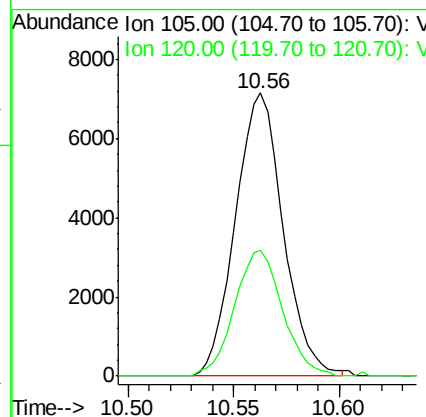
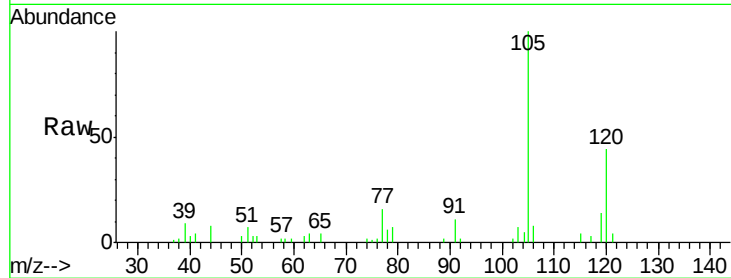
#62
 1,3,5-Trimethylbenzene
 Concen: 2.151 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion:105 Resp: 11249
 Ion Ratio Lower Upper
 105 100
 120 44.5 39.1 58.7

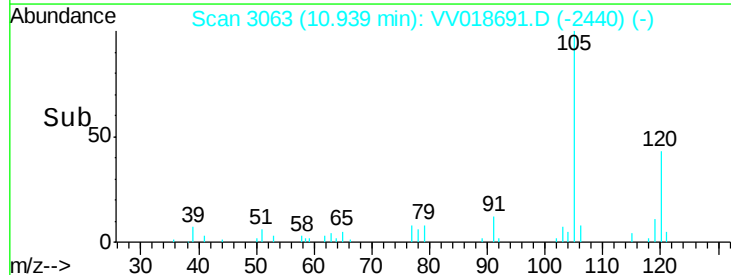
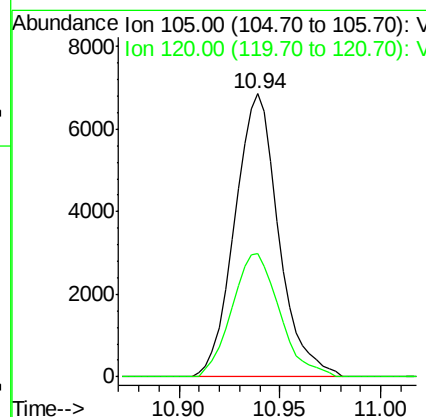
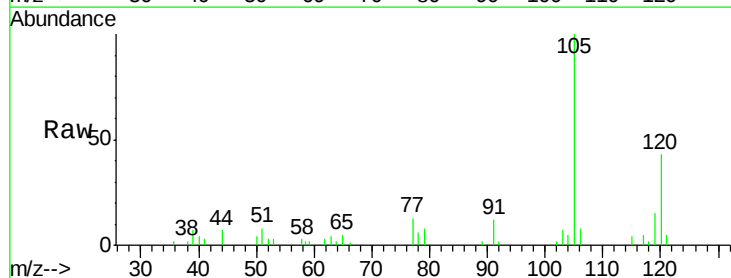
Manual Integrations
 APPROVED

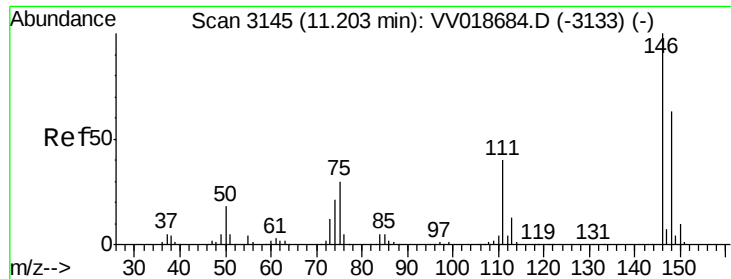
MMDadoda
 10/12/2020 2:00:59 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 1.948 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion:105 Resp: 10457
 Ion Ratio Lower Upper
 105 100
 120 47.2 36.2 54.2





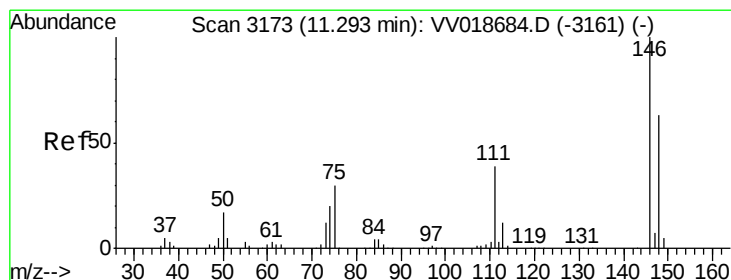
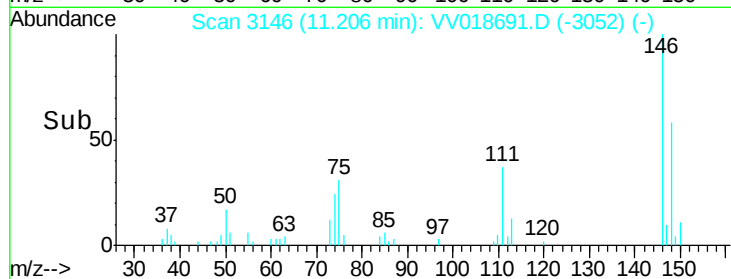
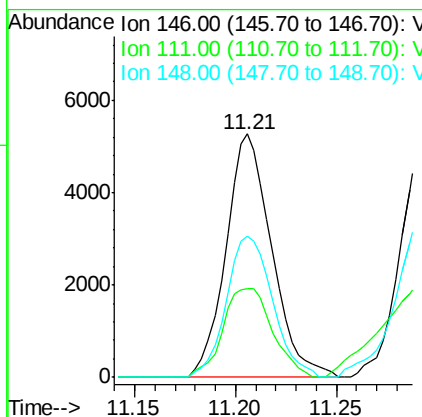
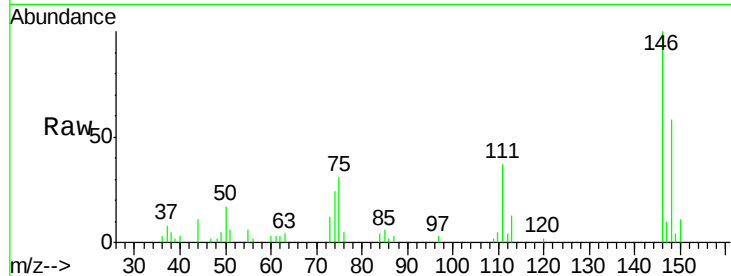
#64
 1,3-Dichlorobenzene
 Concen: 2.543 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	27.6	51.4
148	58.2	44.2	82.2

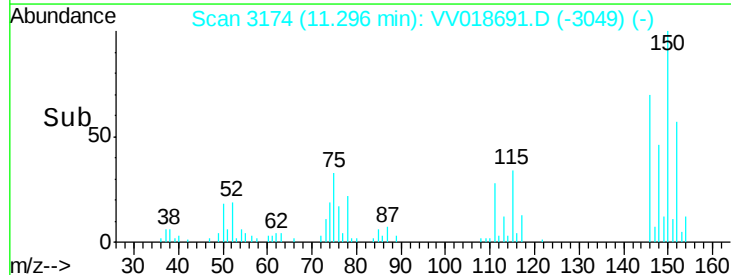
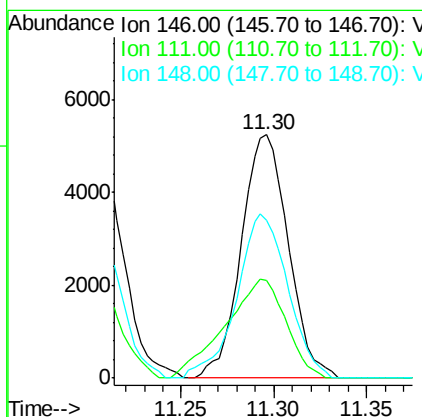
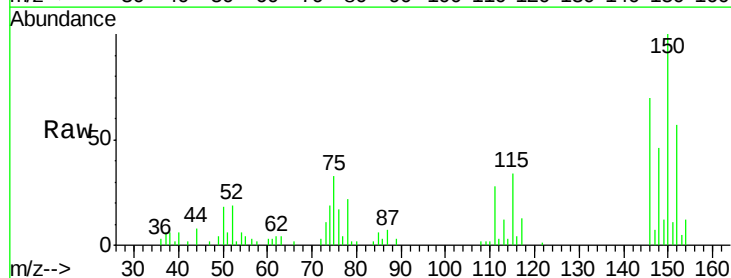
Manual Integrations
 APPROVED

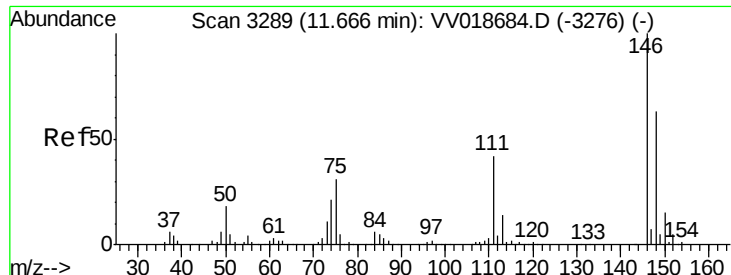
MMDadoda
 10/12/2020 2:00:59 PM



#65
 1,4-Dichlorobenzene
 Concen: 2.692 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.6	49.4
148	65.1	44.3	82.3





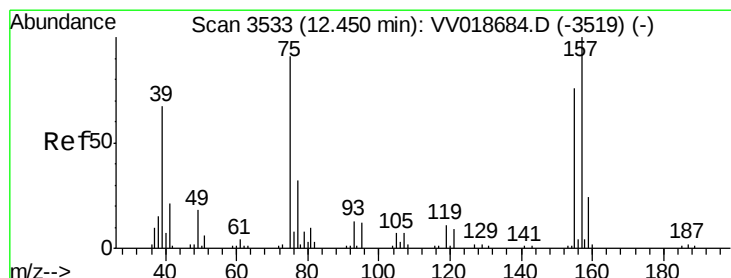
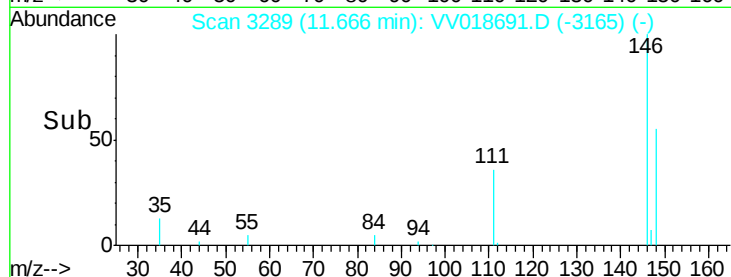
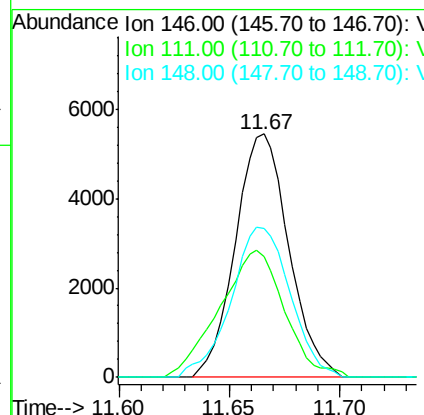
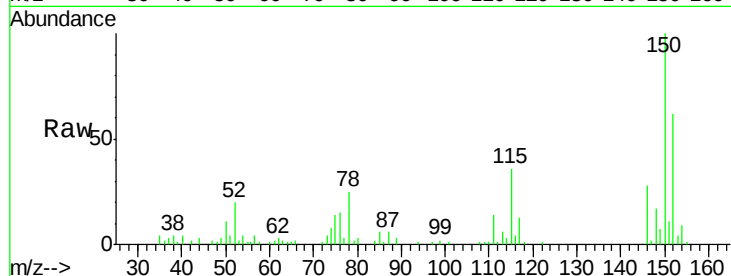
#67
 1,2-Dichlorobenzene
 Concen: 2.771 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	32.6	49.0#
148	61.1	51.0	76.6

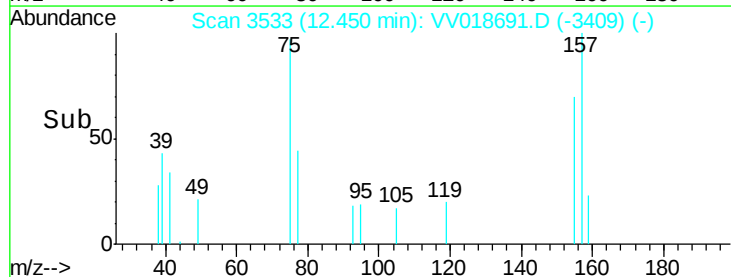
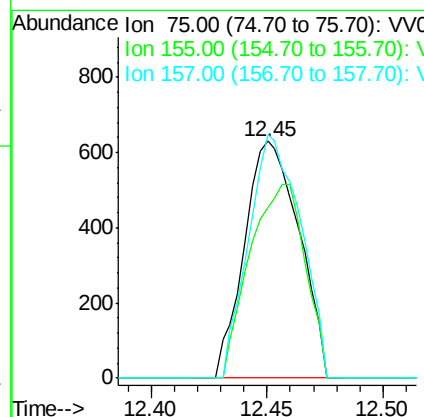
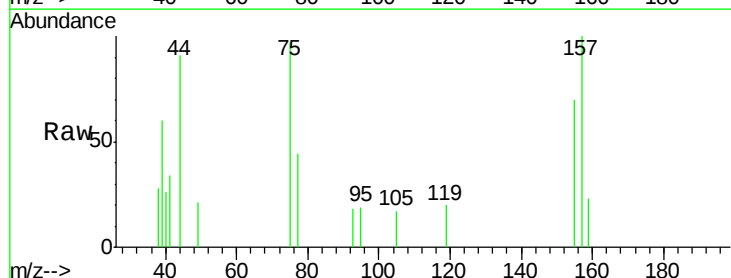
Manual Integrations
 APPROVED

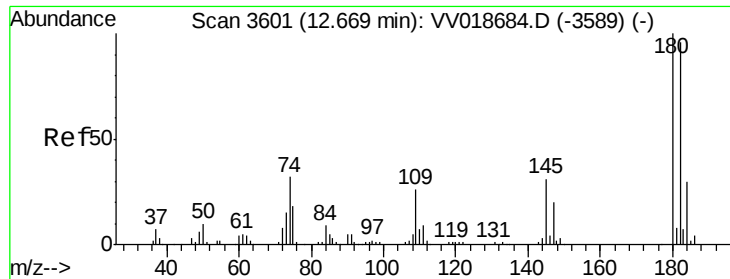
MMDadoda
 10/12/2020 2:00:59 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.245 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	67.6	101.4
157	102.9	88.7	133.1





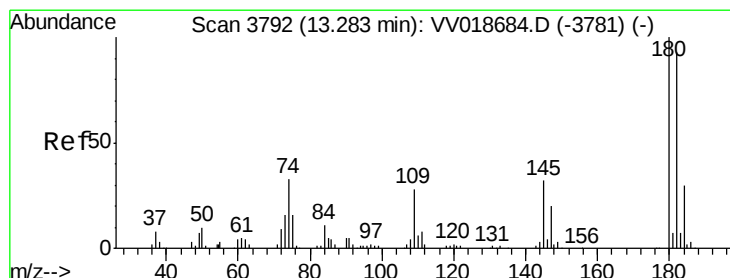
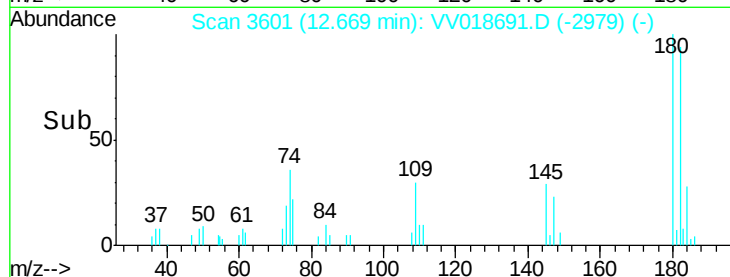
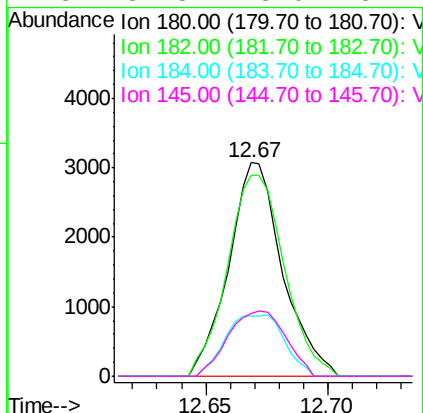
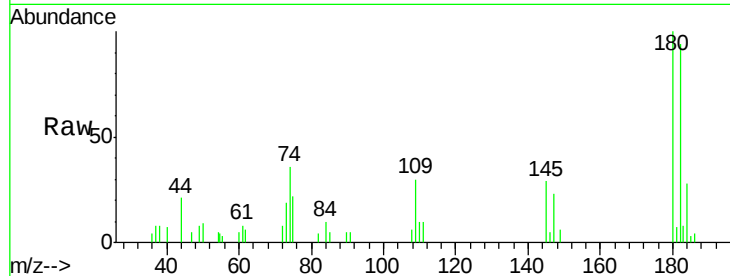
#69
 1,3,5-Trichlorobenzene
 Concen: 1.837 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	76.6	115.0
184	31.5	24.8	37.2
145	32.8	23.0	34.4

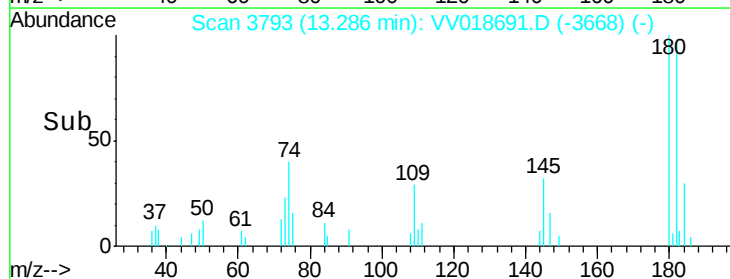
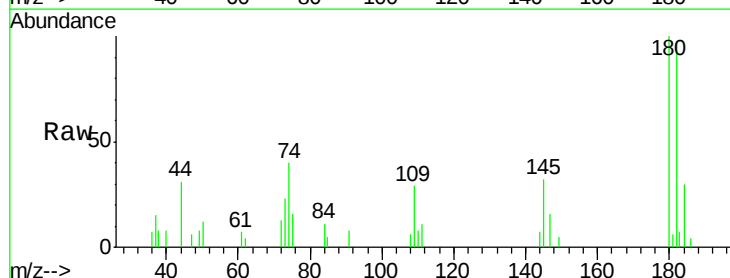
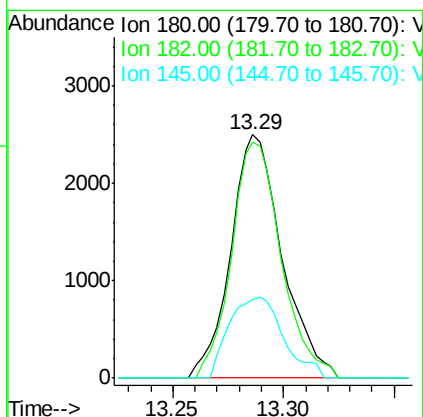
Manual Integrations
 APPROVED

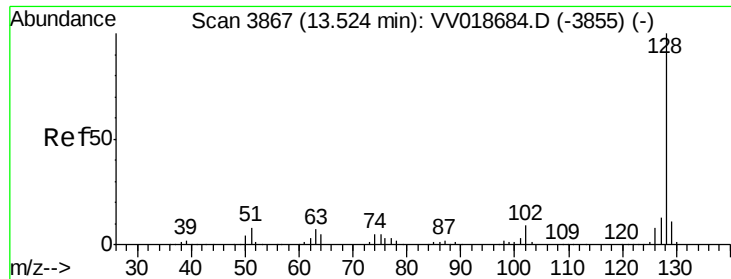
MMDadoda
 10/12/2020 2:00:59 PM



#70
 1,2,4-trichlorobenzene
 Concen: 1.764 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.6
145	33.5	23.0	34.4





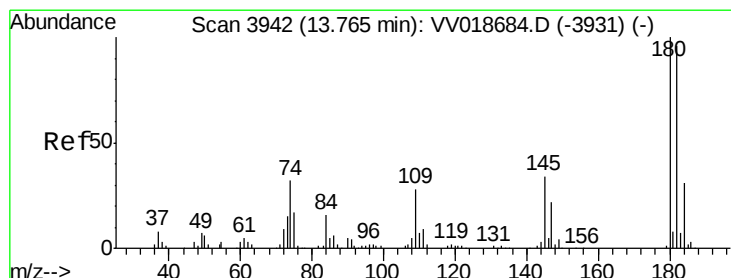
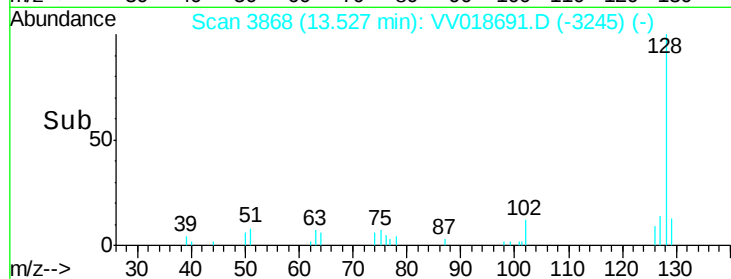
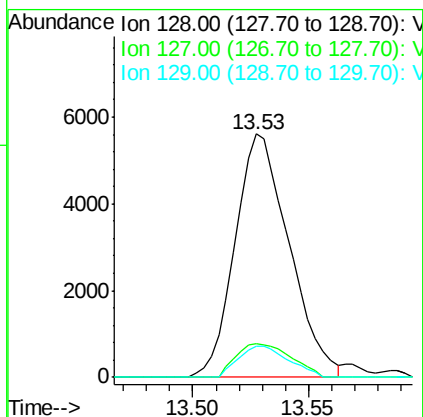
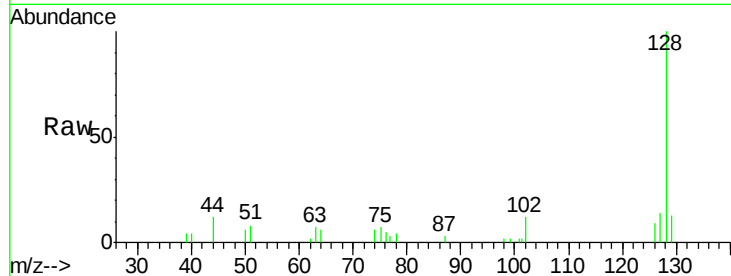
#71
Naphthalene
Concen: 1.531 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	11.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:00:59 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.589 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	114.0	77.1	115.7
145	24.9	25.0	37.6#

