

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039650.D
 Acq On : 23 Jul 2020 20:53
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:42 AM

Quant Time: Jul 24 03:43:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	190102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181662	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51120	41.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.62%
7) Chloroethane-d5	1.92	69	51591	34.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.58%#
11) 1,1-Dichloroethene-d2	2.58	63	85717	32.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.44%
21) 2-Butanone-d5	4.65	46	128287	89.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.79%
24) Chloroform-d	5.08	84	120994	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.94%
26) 1,2-Dichloroethane-d4	5.72	65	89391	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.88%
32) Benzene-d6	5.75	84	236773	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.71	67	77407	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.91	98	213361	44.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.90%
43) trans-1,3-Dichloropropene-	8.19	79	36607	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.64	63	81222	90.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.01%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	113549	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	12.19	152	83906	45.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2280	1.761 ug/L	95
3) Chloromethane	1.53	50	2532	1.882 ug/L	86
5) Vinyl chloride	1.61	62	2976	2.177 ug/L #	75
6) Bromomethane	1.86	94	2456	2.391 ug/L	98
8) Chloroethane	1.94	64	1997	1.643 ug/L	94
9) Trichlorofluoromethane	2.15	101	4269	1.767 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2671	2.297 ug/L	91
12) 1,1-Dichloroethene	2.59	96	2406	2.219 ug/L #	1
13) Acetone	2.64	43	3471	3.650 ug/L	69
14) Carbon disulfide	2.81	76	6228	1.795 ug/L	98
15) Methyl Acetate	2.97	43	2948	1.731 ug/L	99
16) Methylene chloride	3.06	84	2367	1.823 ug/L	81
17) trans-1,2-Dichloroethene	3.37	96	2286	1.894 ug/L	95
18) Methyl tert-butyl Ether	3.39	73	6760	1.734 ug/L	98
19) 1,1-Dichloroethane	3.89	63	4605	1.955 ug/L	92
20) cis-1,2-Dichloroethene	4.68	96	2301	1.668 ug/L	96
22) 2-Butanone	4.73	43	4503	3.360 ug/L #	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039650.D
 Acq On : 23 Jul 2020 20:53
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

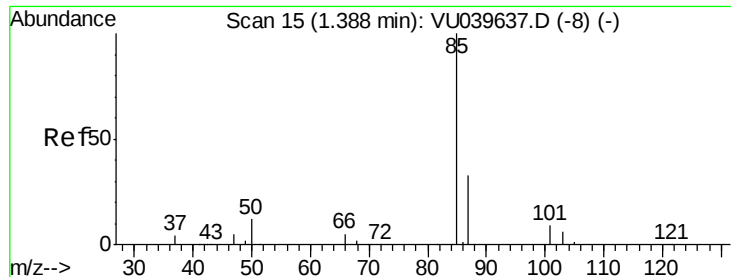
sam
 7/30/2020 2:57:42 AM

Quant Time: Jul 24 03:43:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:36:18 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	4.99	128	1090	1.573	ug/L #	67
25) Chloroform	5.11	83	10247	3.923	ug/L	98
27) 1,2-Dichloroethane	5.81	62	4243	1.959	ug/L	96
29) Cyclohexane	5.41	56	3707	1.878	ug/L #	91
30) 1,1,1-Trichloroethane	5.33	97	3920	1.802	ug/L	98
31) Carbon tetrachloride	5.54	117	3240	1.796	ug/L	96
33) Benzene	5.79	78	9910	1.979	ug/L	100
34) Trichloroethene	6.55	95	2497	1.886	ug/L	90
35) Methylcyclohexane	6.78	83	3748	1.830	ug/L	98
37) 1,2-Dichloropropane	6.81	63	2623	1.935	ug/L #	89
38) Bromodichloromethane	7.12	83	3307	1.837	ug/L #	84
39) cis-1,3-Dichloropropene	7.62	75	3509	1.732	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	8370	3.544	ug/L #	98
42) Toluene	7.98	91	9657	1.754	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	3345	1.686	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	2392	1.850	ug/L #	79
46) Tetrachloroethene	8.56	164	1470	1.468	ug/L	87
48) 2-Hexanone	8.69	43	10119	5.259	ug/L	98
49) Dibromochloromethane	8.82	129	2276	1.559	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2526	1.756	ug/L #	99
51) Chlorobenzene	9.45	112	6425	1.829	ug/L	98
52) Ethylbenzene	9.57	91	10462	1.719	ug/L	98
53) m,p-Xylene	9.69	106	3875	1.690	ug/L	90
54) o-xylene	10.10	106	3813	1.732	ug/L	91
55) Styrene	10.11	104	5761	1.513	ug/L	95
56) Isopropylbenzene	10.48	105	9944	1.664	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4580	1.944	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	3519	1.789	ug/L	92
61) Bromoform	10.29	173	1528	1.519	ug/L #	95
62) 1,3-Dichlorobenzene	11.74	146	4495	1.726	ug/L	90
63) 1,4-Dichlorobenzene	11.83	146	5002	1.917	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	4748	1.804	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	808m	1.535	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3267	1.739	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	2645	1.659	ug/L	97
69) Naphthalene	14.08	128	6785	1.419	ug/L #	94
70) 1,2,3-Trichlorobenzene	14.32	180	2427	1.507	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.761 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 85 Resp: 2280

Ion Ratio Lower Upper

85 100

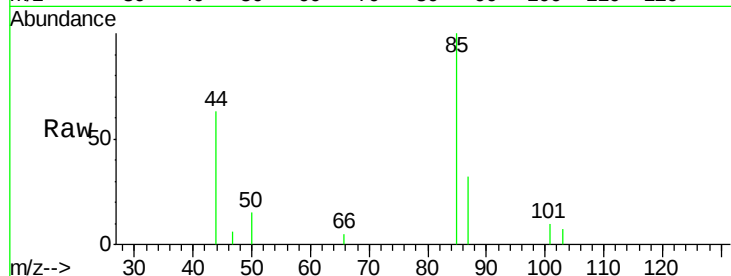
87 30.1 26.2 39.4

Manual Integrations

APPROVED

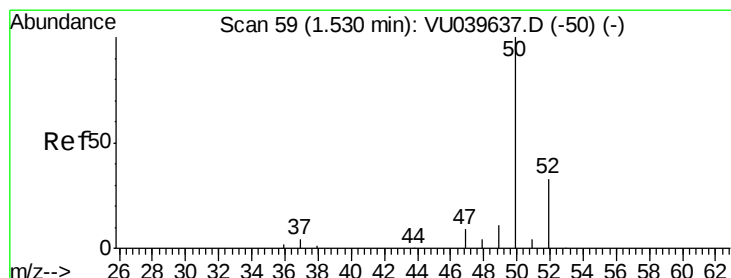
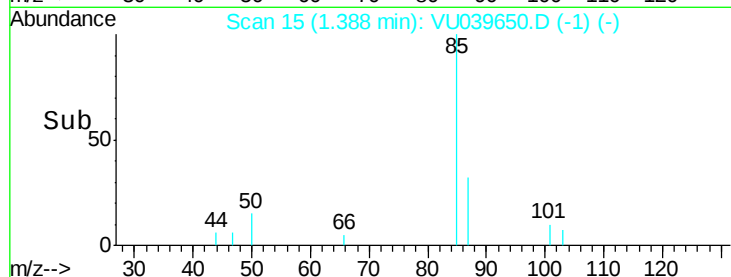
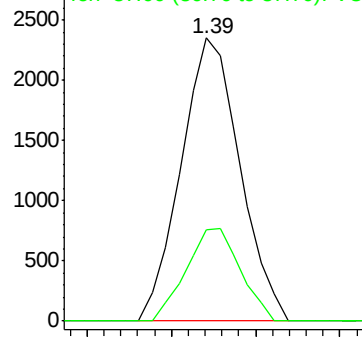
sam

7/30/2020 2:57:42 AM



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.882 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039650.D

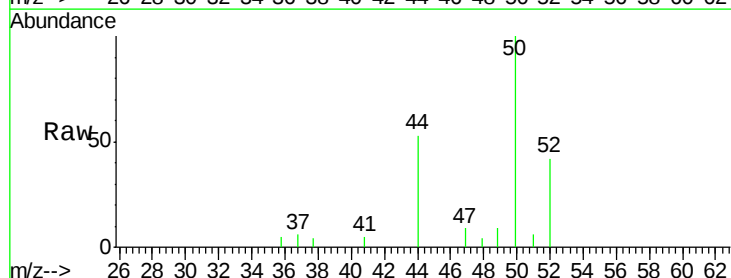
Acq: 23 Jul 2020 20:53

Tgt Ion: 50 Resp: 2532

Ion Ratio Lower Upper

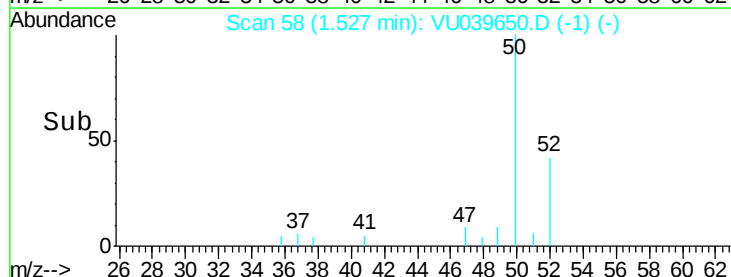
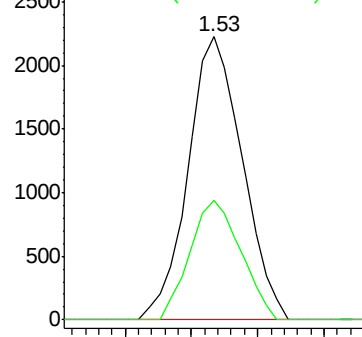
50 100

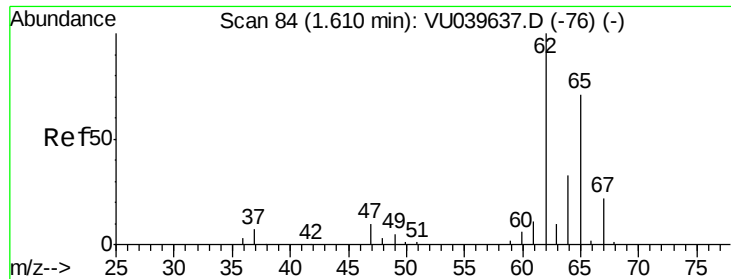
52 42.4 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.177 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 62 Resp: 2976

Ion Ratio Lower Upper

62 100

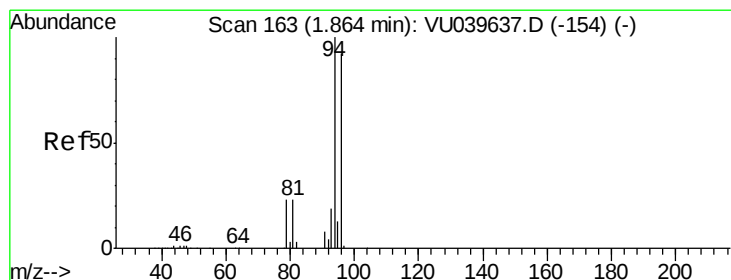
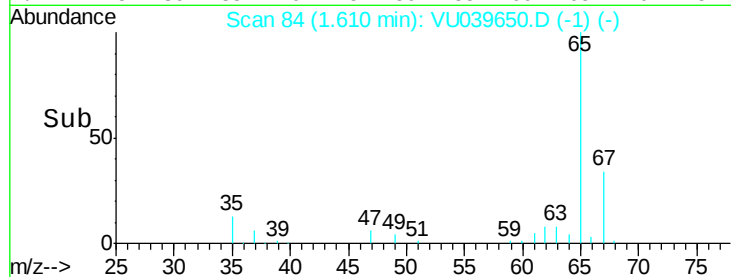
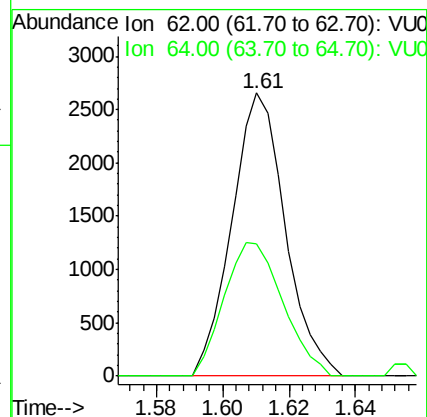
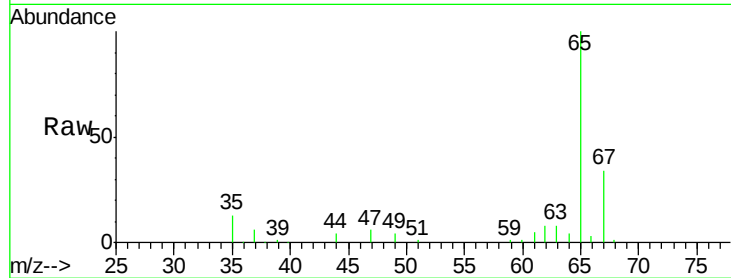
64 46.7 22.8 42.4#

Manual Integrations

APPROVED

sam

7/30/2020 2:57:42 AM



#6

Bromomethane

Concen: 2.391 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU039650.D

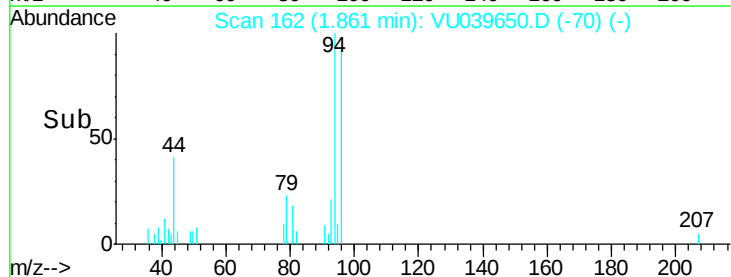
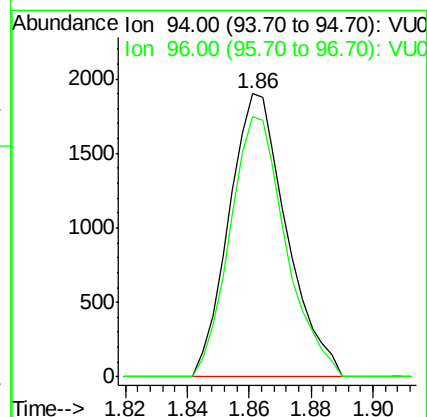
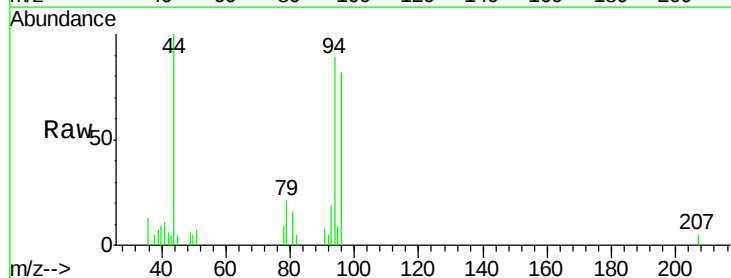
Acq: 23 Jul 2020 20:53

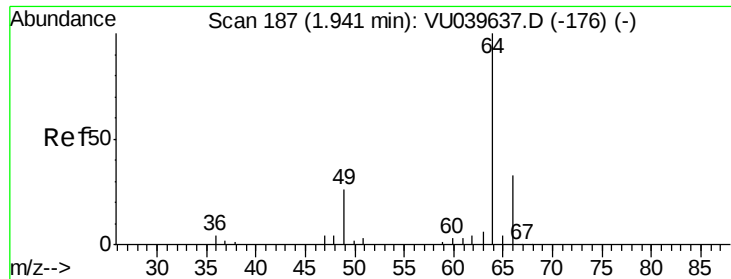
Tgt Ion: 94 Resp: 2456

Ion Ratio Lower Upper

94 100

96 92.1 65.7 122.1





#8

Chloroethane

Concen: 1.643 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 64 Resp: 1997

Ion Ratio Lower Upper

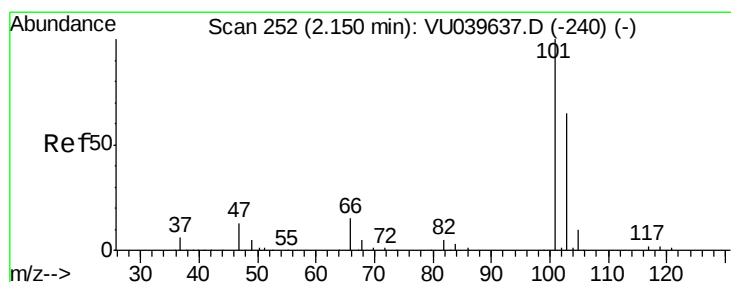
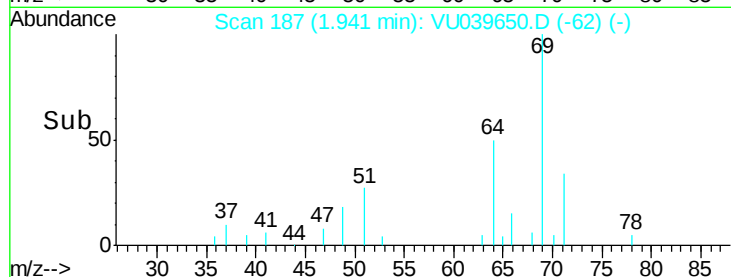
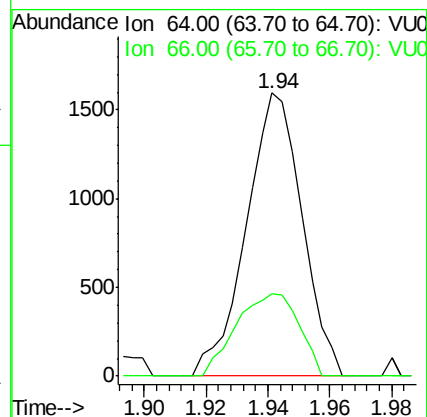
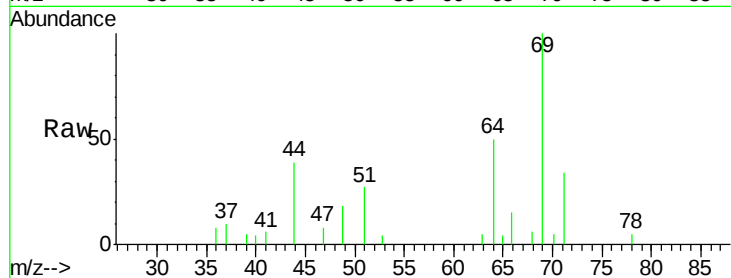
64 100

66 29.1 22.7 42.1

Manual Integrations
APPROVED

sam

7/30/2020 2:57:42 AM



#9

Trichlorofluoromethane

Concen: 1.767 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039650.D

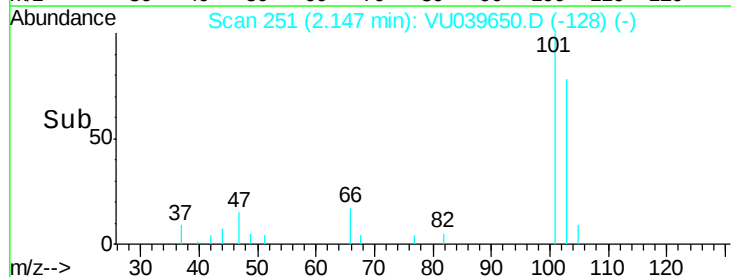
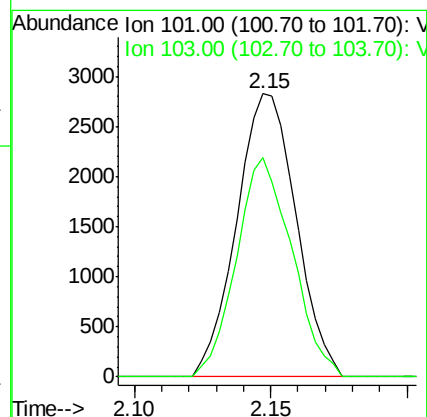
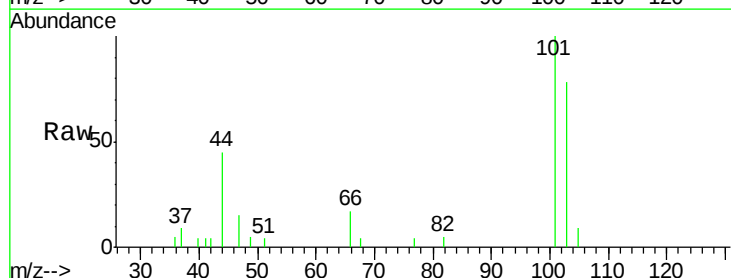
Acq: 23 Jul 2020 20:53

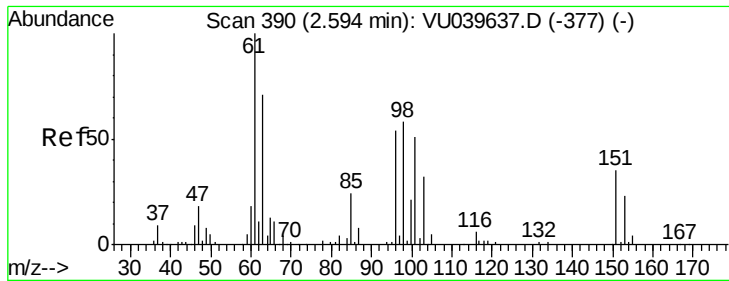
Tgt Ion: 101 Resp: 4269

Ion Ratio Lower Upper

101 100

103 72.4 52.8 79.2





#10

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

Concen: 2.297 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

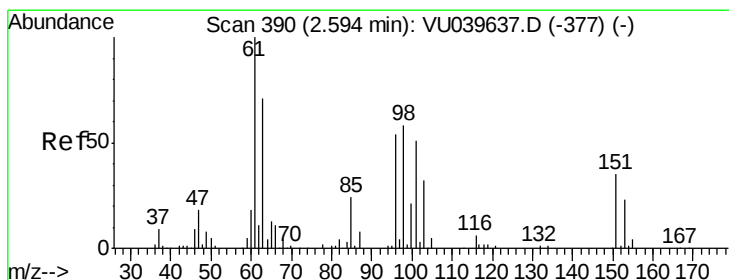
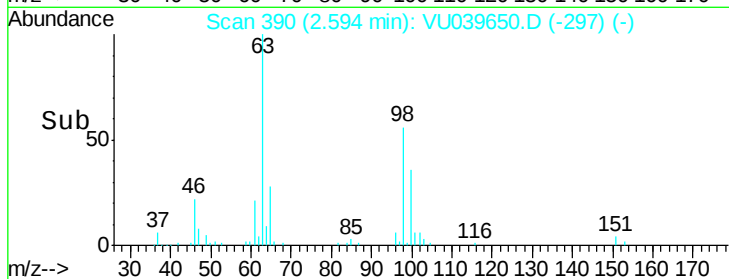
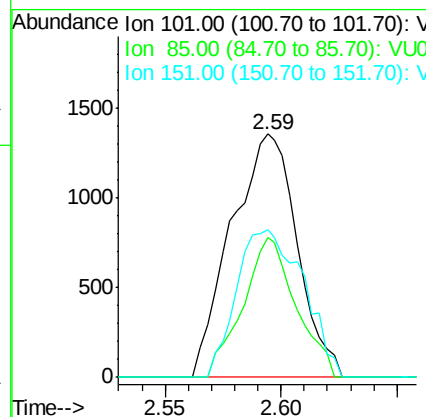
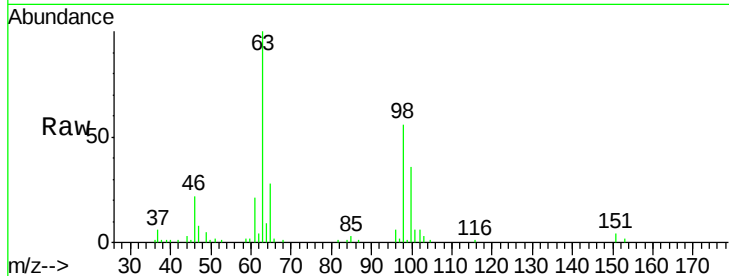
ClientSampled :

MDL04

Tot Ion:	101	Resp:	2671
Ion Ratio	Lower	Upper	
101	100		
85	46.3	39.7	59.5
151	61.4	57.4	86.2

Manual Integrations
APPROVED

sam
7/30/2020 2:57:42 AM



#12

1,1-Dichloroethene

Concen: 2.219 ug/L

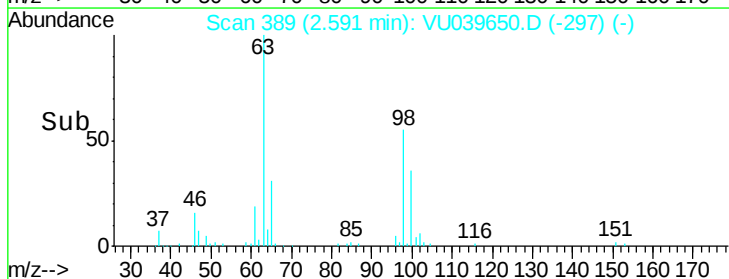
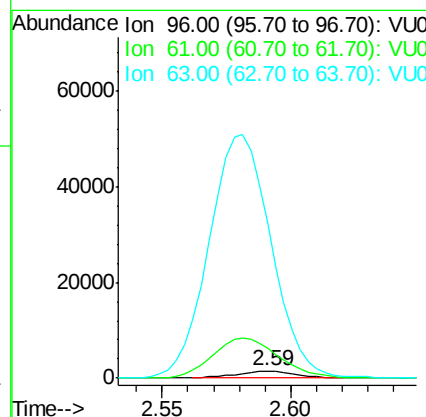
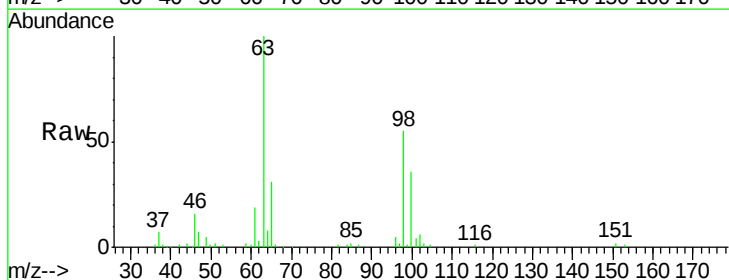
RT: 2.59 min Scan# 389

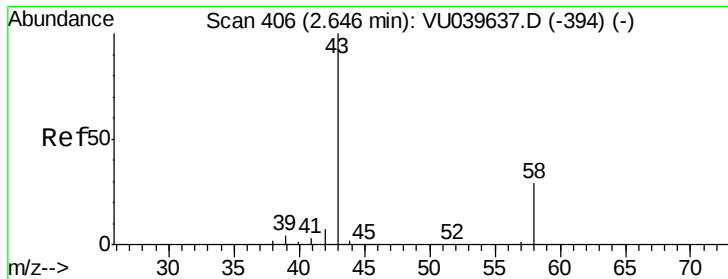
Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Tgt Ion:	96	Resp:	2406
Ion Ratio	Lower	Upper	
96	100		
61	422.3	136.6	253.6#
63	2178.6	97.2	180.6#





#13

Acetone

Concen: 3.650 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 3471

Ion Ratio Lower Upper

43 100

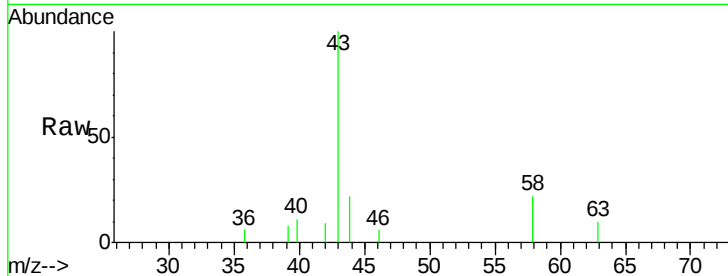
58 13.1 0.0 59.4

Manual Integrations

APPROVED

sam

7/30/2020 2:57:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VU039650.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VU039650.D (-313) (-)

2.64

2000

1500

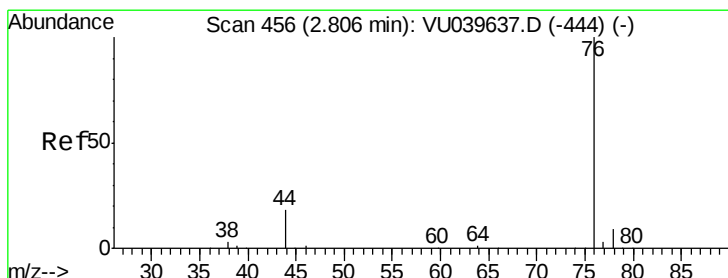
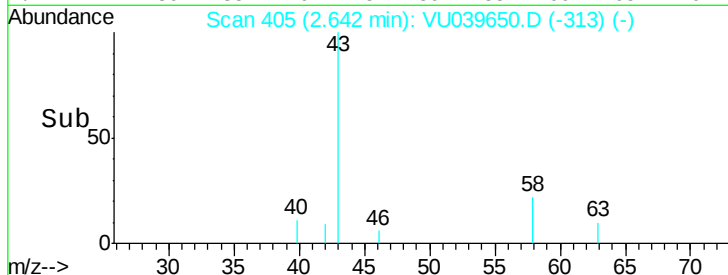
1000

500

0

Time-->

2.60 2.65 2.70



#14

Carbon disulfide

Concen: 1.795 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.01 min

Lab File: VU039650.D

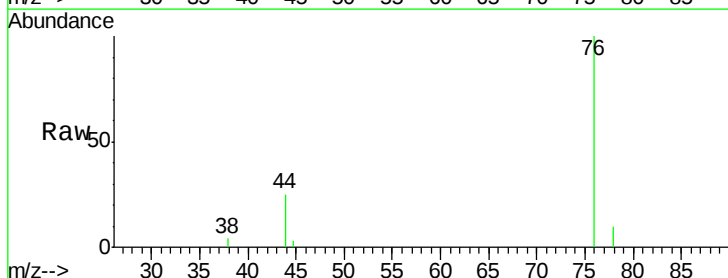
Acq: 23 Jul 2020 20:53

Tgt Ion: 76 Resp: 6228

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039650.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039650.D (-363) (-)

2.81

4000

3000

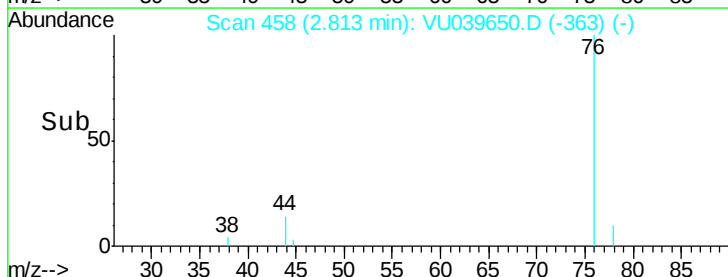
2000

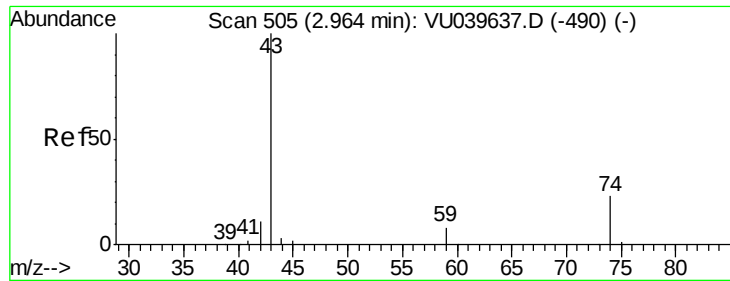
1000

0

Time-->

2.75 2.80 2.85





#15

Methyl Acetate

Concen: 1.731 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 43 Resp: 2948

Ion Ratio Lower Upper

43 100

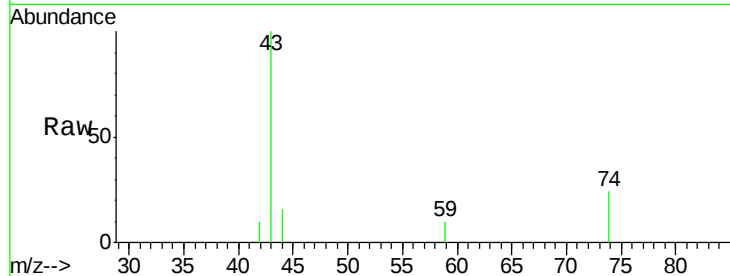
74 22.1 17.4 26.0

Manual Integrations

APPROVED

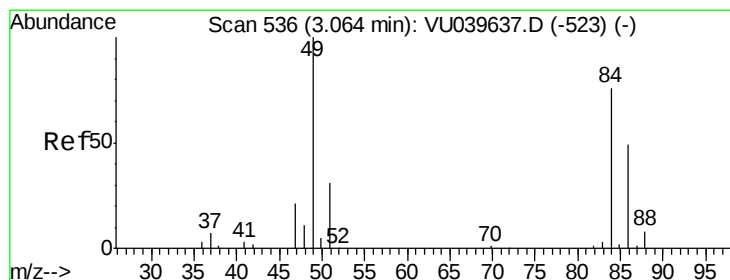
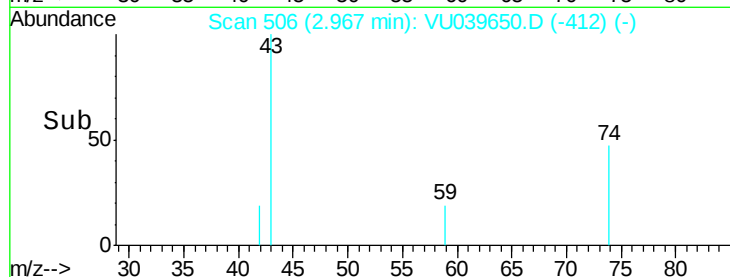
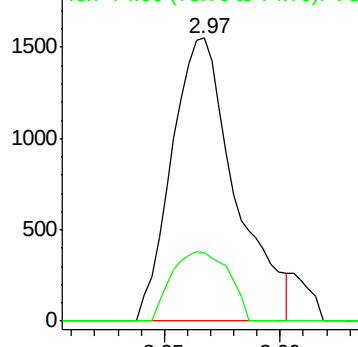
sam

7/30/2020 2:57:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-490) (-)

Ion 74.00 (73.70 to 74.70): VU039637.D (-490) (-)



#16

Methylene chloride

Concen: 1.823 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

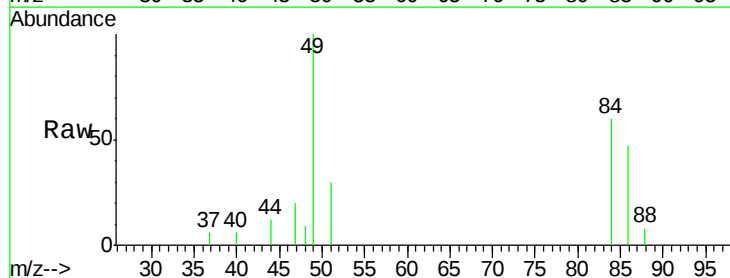
Tgt Ion: 84 Resp: 2367

Ion Ratio Lower Upper

84 100

86 77.2 46.2 85.8

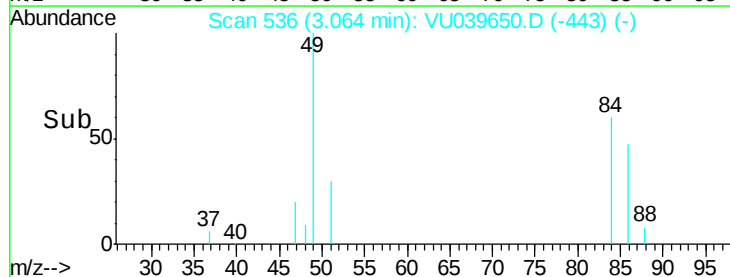
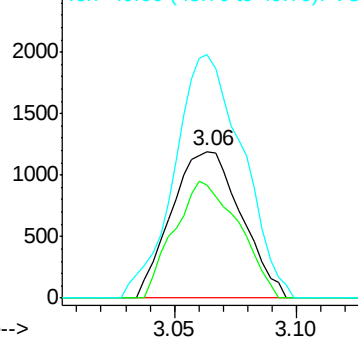
49 165.7 97.3 180.7

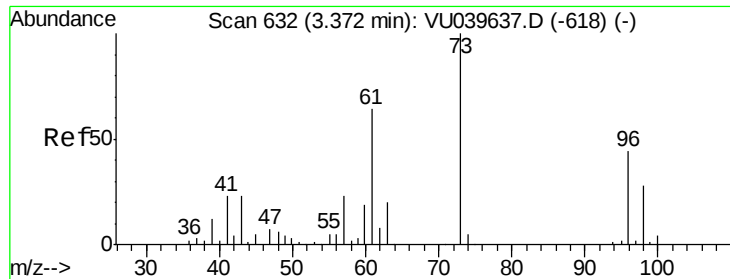


Abundance Ion 84.00 (83.70 to 84.70): VU039637.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039637.D (-523) (-)

Ion 49.00 (48.70 to 49.70): VU039637.D (-523) (-)





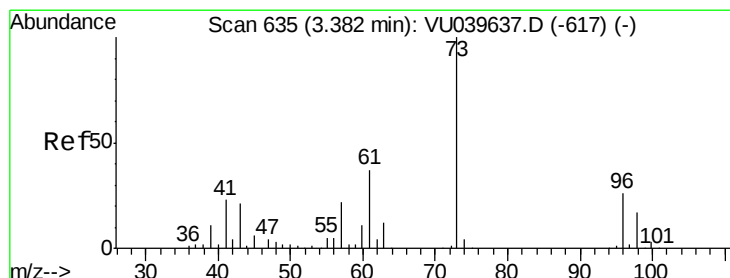
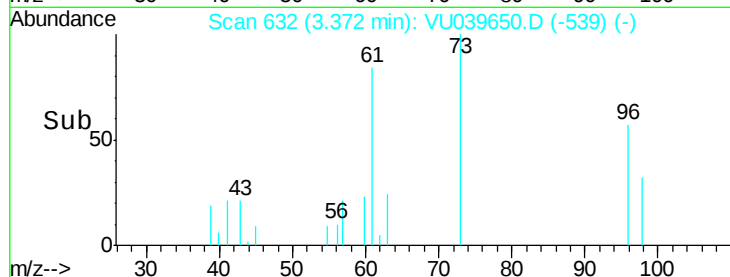
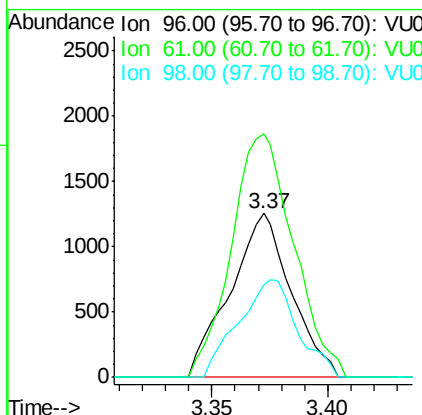
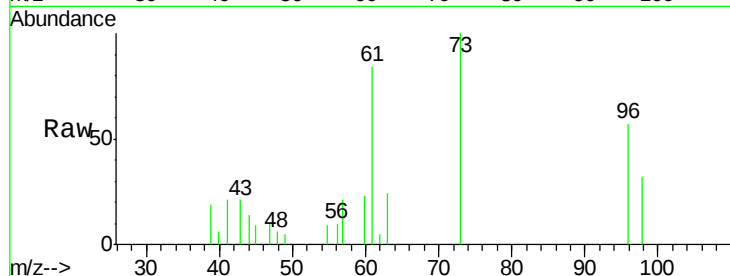
#17
trans-1,2-Dichloroethene
Concen: 1.894 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	106.7	198.1
98	56.7	44.3	82.3

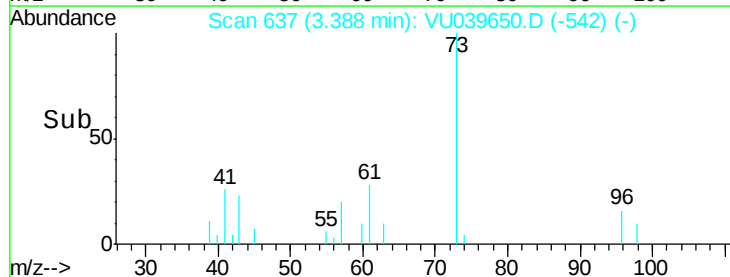
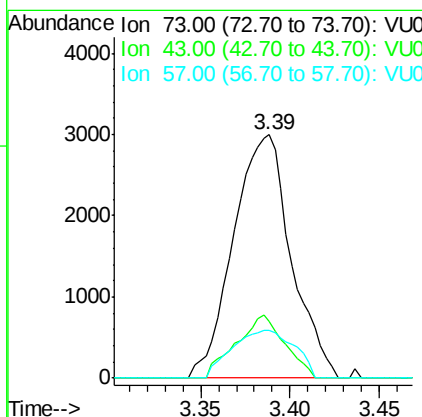
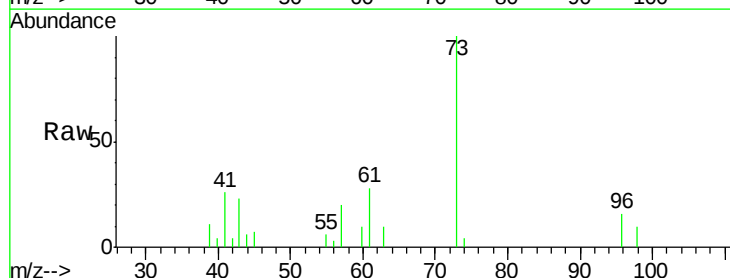
Manual Integrations
APPROVED

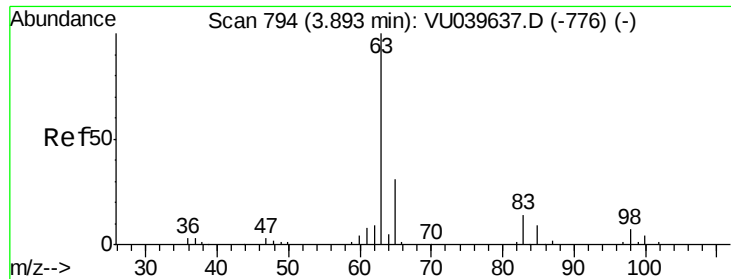
sam
7/30/2020 2:57:42 AM



#18
Methyl tert-butyl Ether
Concen: 1.734 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.7	18.2	27.2
57	21.2	17.4	26.2





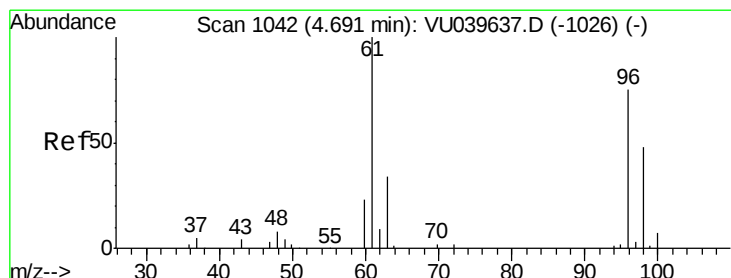
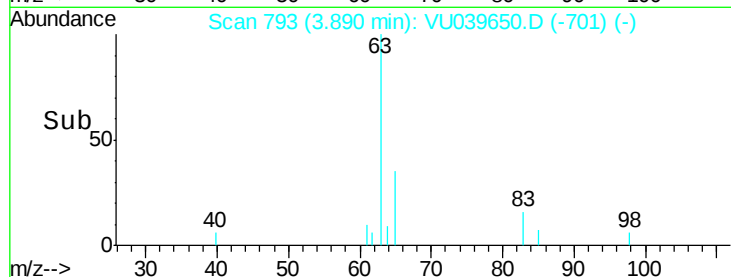
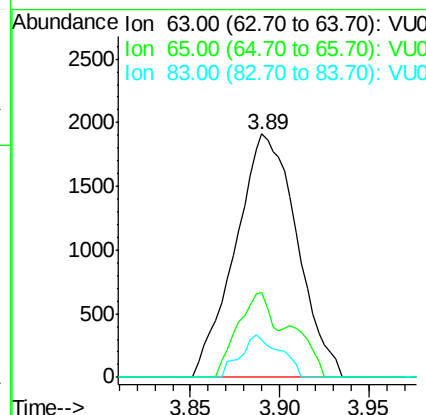
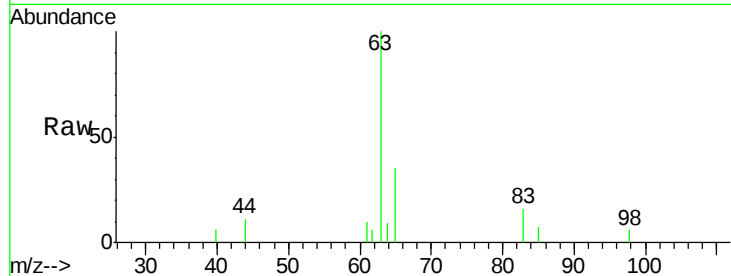
#19
 1,1-Dichloroethane
 Concen: 1.955 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:	63	Resp:	4605
Ion	Ratio	Lower	Upper
63	100		
65	34.7	20.4	38.0
83	15.5	9.7	18.1

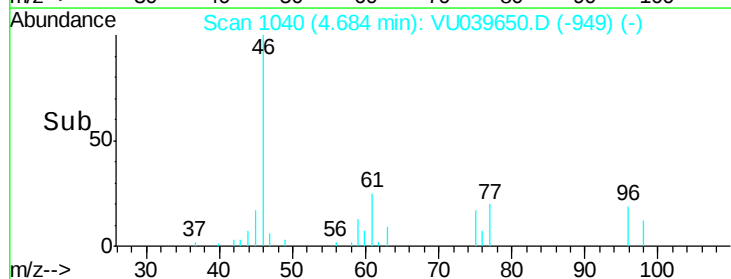
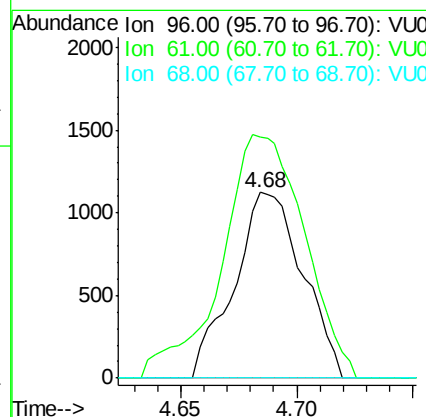
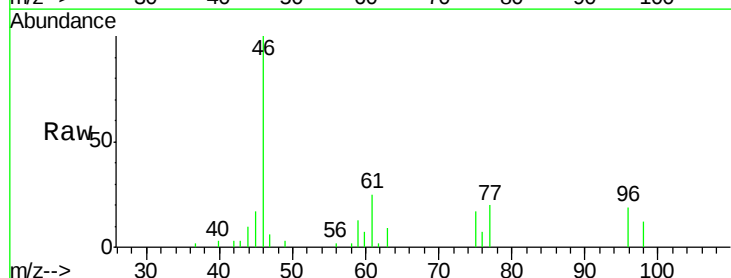
Manual Integrations
 APPROVED

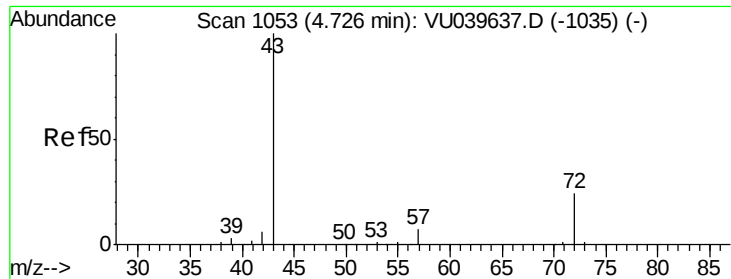
sam
 7/30/2020 2:57:42 AM



#20
 cis-1,2-Dichloroethene
 Concen: 1.668 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion:	96	Resp:	2301
Ion	Ratio	Lower	Upper
96	100		
61	129.8	94.0	174.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.360 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 43 Resp: 4503

Ion Ratio Lower Upper

43 100

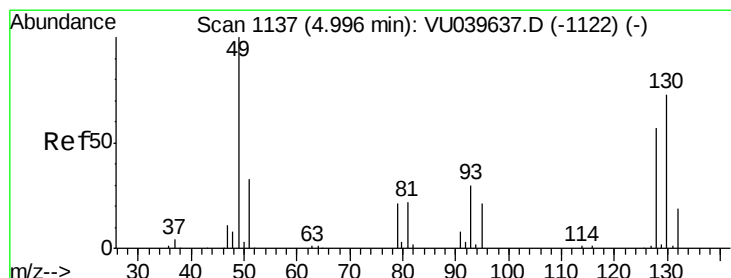
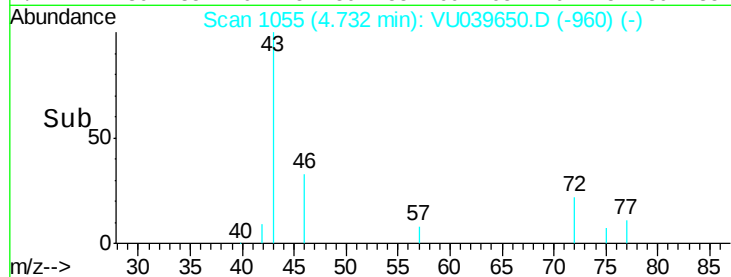
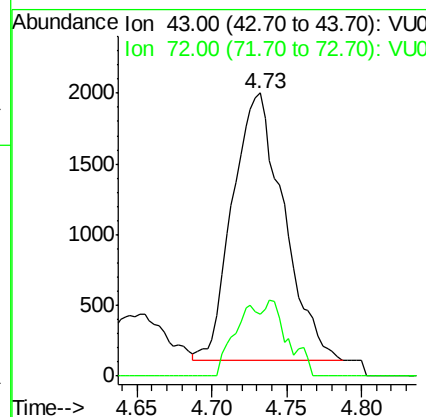
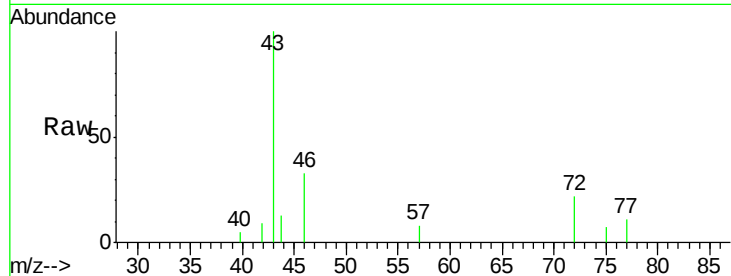
72 11.1 12.8 38.3#

Manual Integrations

APPROVED

sam

7/30/2020 2:57:42 AM



#23

Bromochloromethane

Concen: 1.573 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Tgt Ion: 128 Resp: 1090

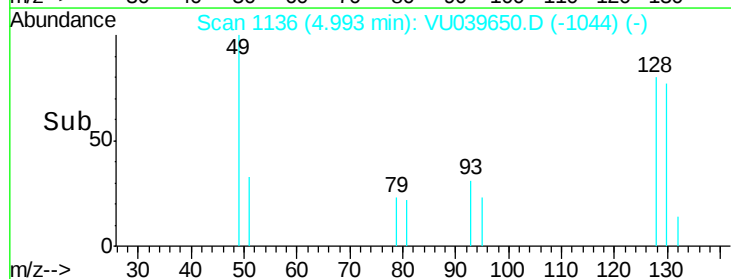
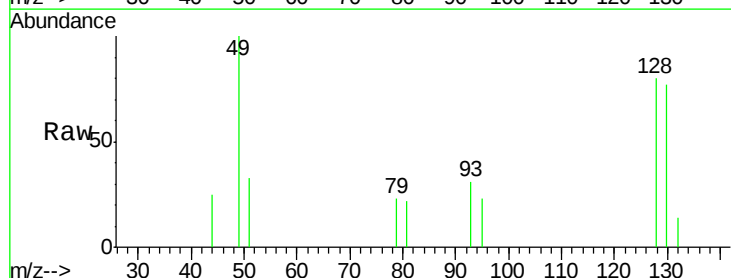
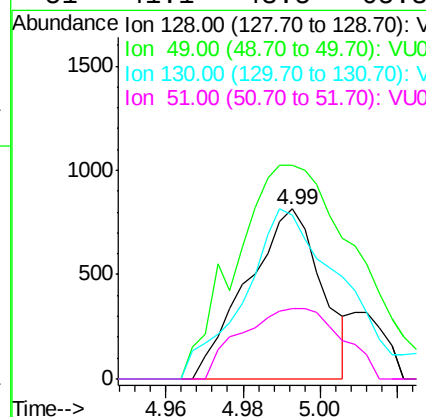
Ion Ratio Lower Upper

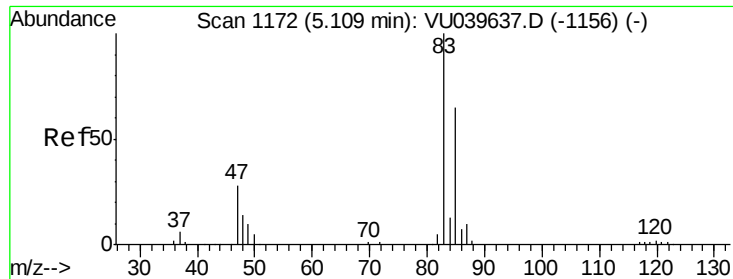
128 100

49 125.5 124.5 231.3

130 96.2 94.4 175.2

51 41.1 43.5 65.3#





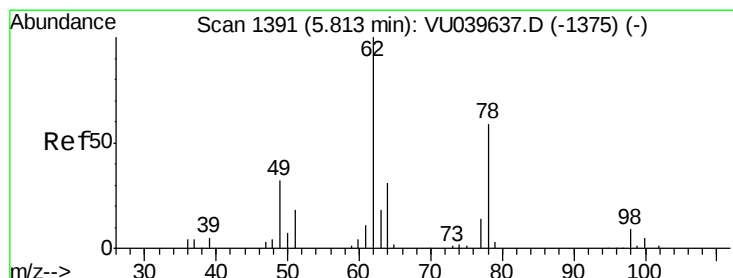
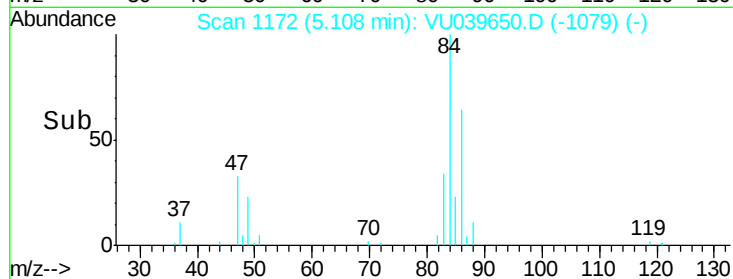
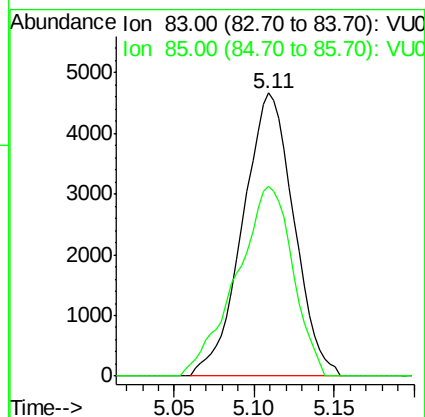
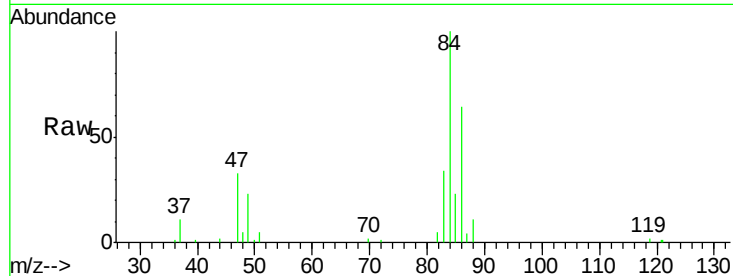
#25
Chloroform
Concen: 3.923 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	83	Resp	10247
Ion Ratio	100	Lower	Upper
85	67.0	45.6	84.6

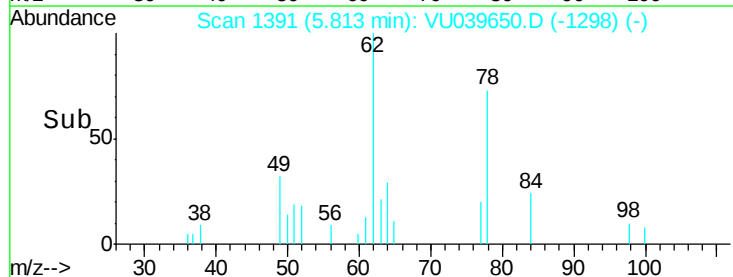
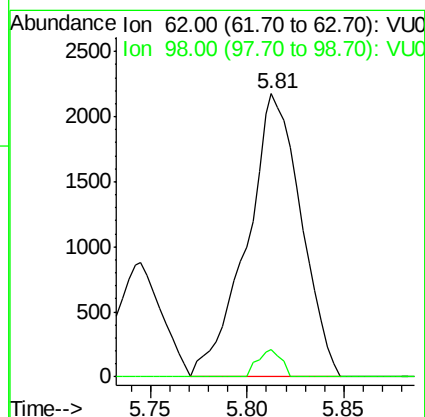
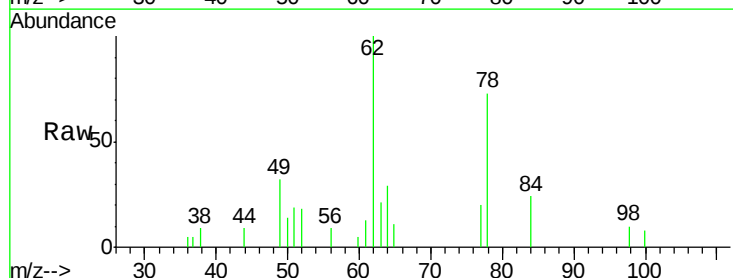
Manual Integrations
APPROVED

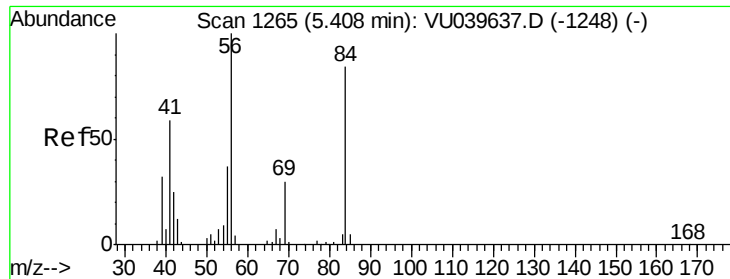
sam
7/30/2020 2:57:42 AM



#27
1,2-Dichloroethane
Concen: 1.959 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion	62	Resp	4243
Ion Ratio	100	Lower	Upper
98	9.6	6.4	9.6





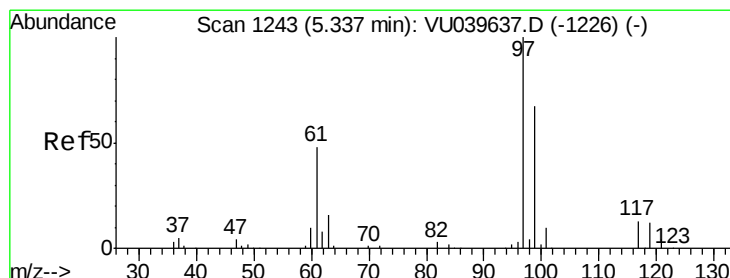
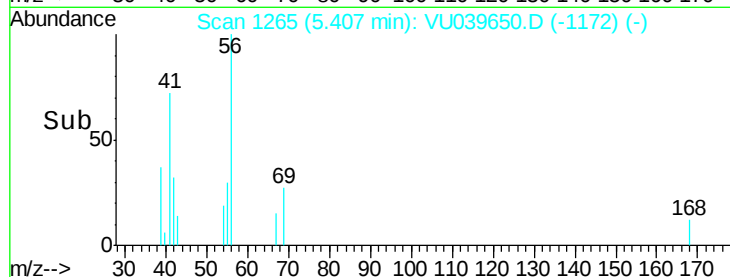
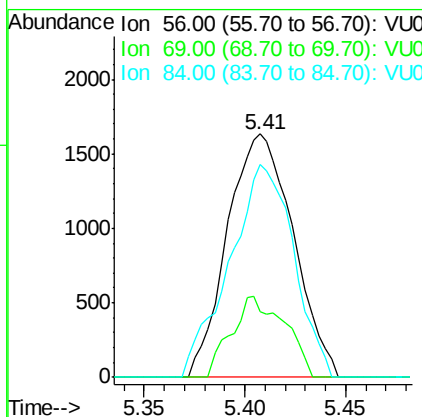
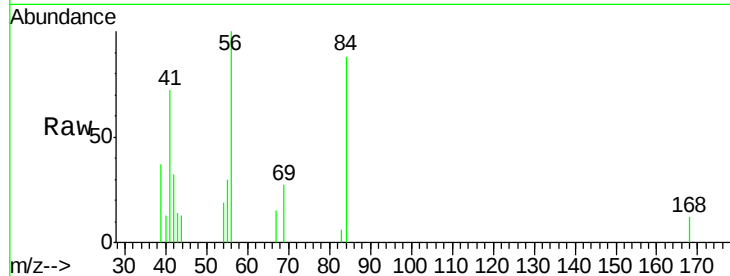
#29
Cyclohexane
Concen: 1.878 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.3	23.9	35.9#
84	85.4	65.8	98.8

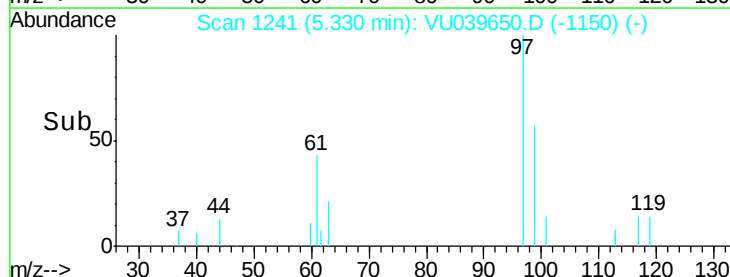
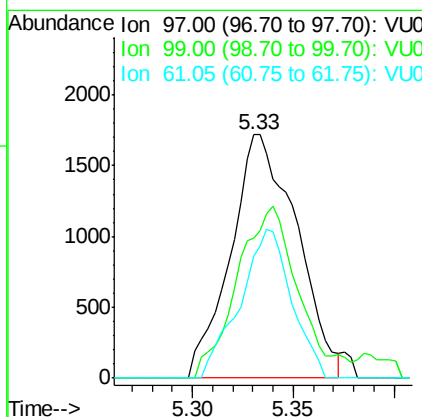
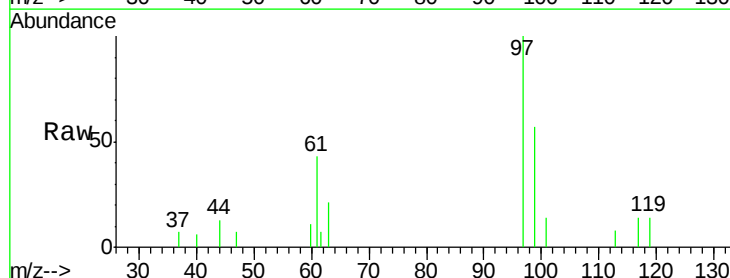
Manual Integrations
APPROVED

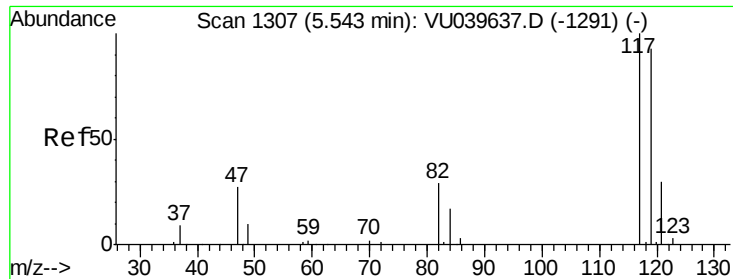
sam
7/30/2020 2:57:42 AM



#30
1,1,1-Trichloroethane
Concen: 1.802 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.3	75.5
61	47.8	36.0	54.0





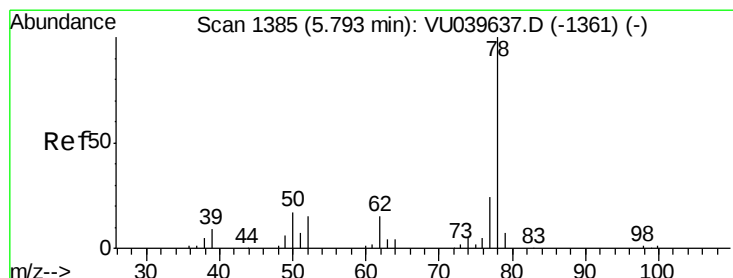
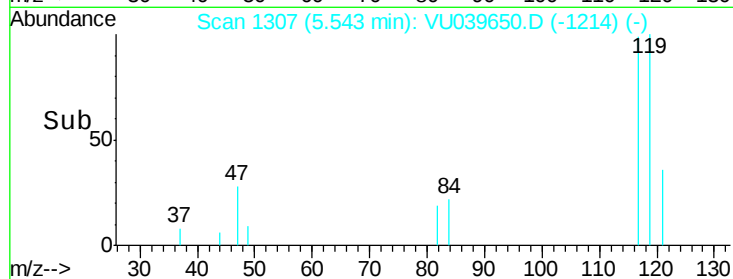
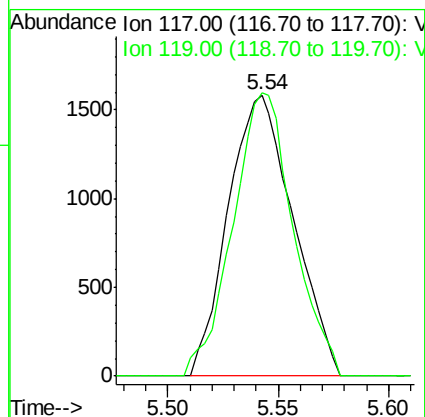
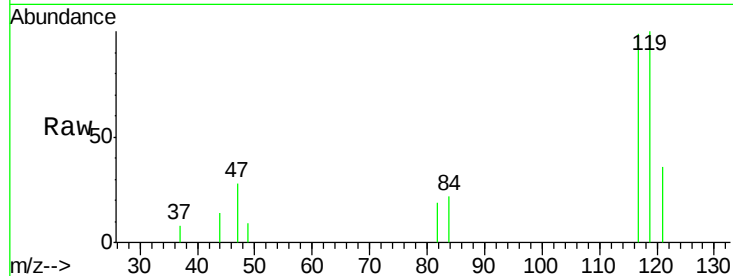
#31
Carbon tetrachloride
Concen: 1.796 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion:117 Resp: 3240
Ion Ratio Lower Upper
117 100
119 93.6 78.2 117.4

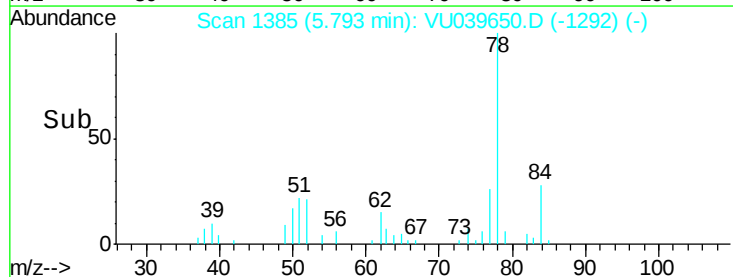
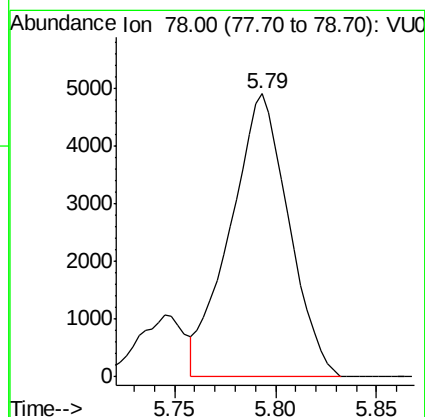
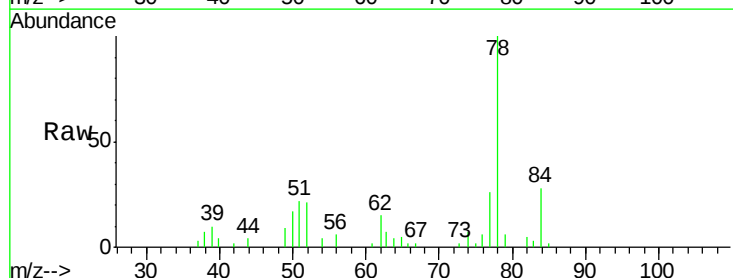
Manual Integrations
APPROVED

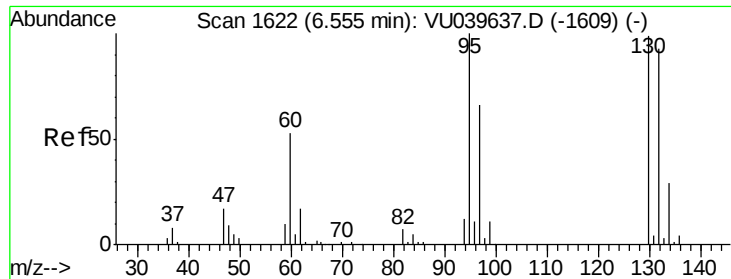
sam
7/30/2020 2:57:42 AM



#33
Benzene
Concen: 1.979 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion: 78 Resp: 9910





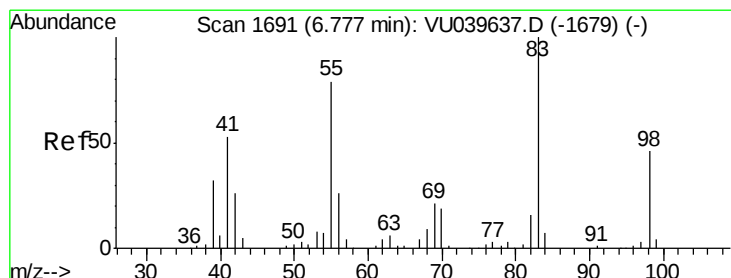
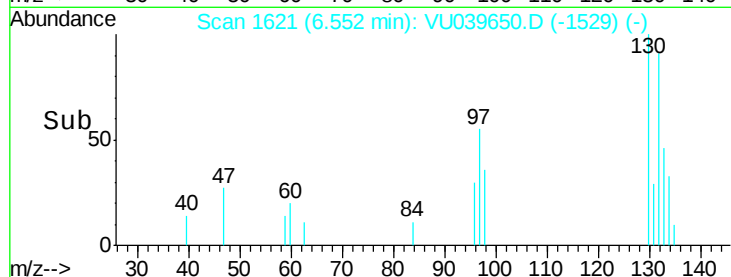
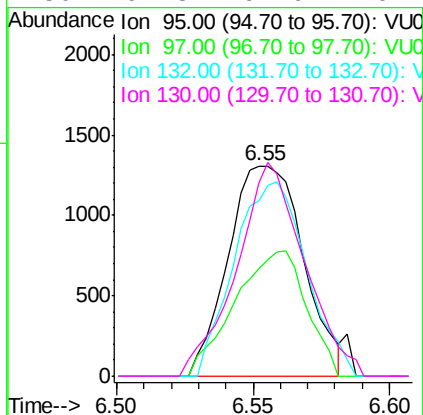
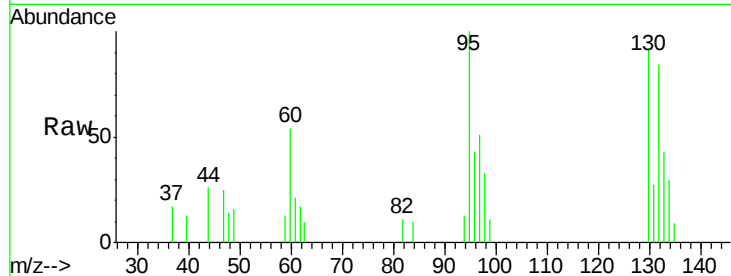
#34
 Trichloroethene
 Concen: 1.886 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion:	95	Resp:	2497
Ion	Ratio	Lower	Upper
95	100		
97	50.8	45.5	84.5
132	83.6	65.0	120.6
130	91.8	67.9	126.1

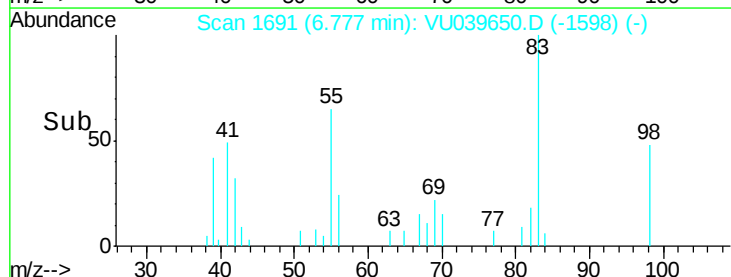
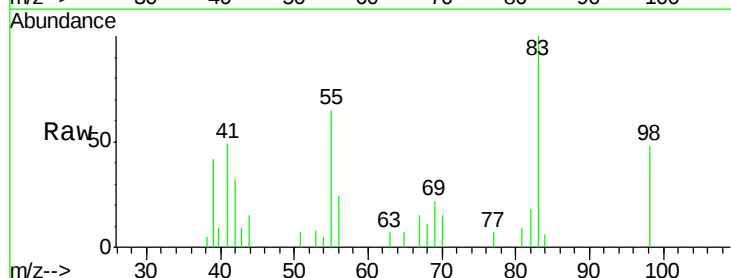
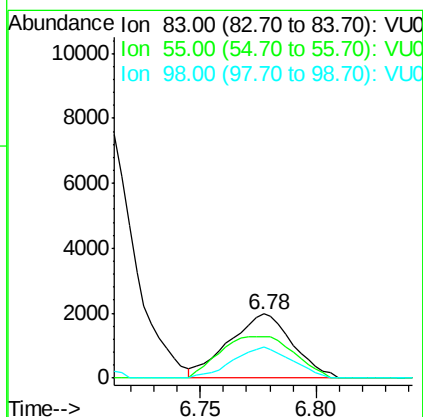
Manual Integrations
 APPROVED

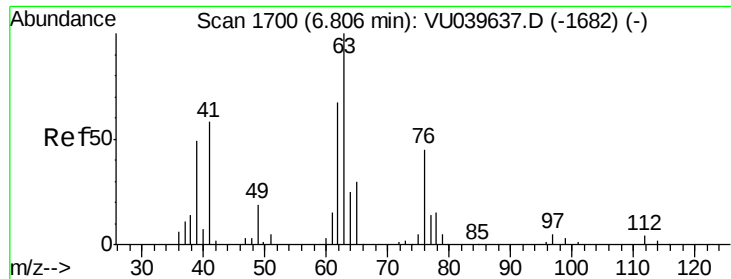
sam
 7/30/2020 2:57:42 AM



#35
 Methylcyclohexane
 Concen: 1.830 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion:	83	Resp:	3748
Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.9	94.3
98	45.1	36.3	54.5





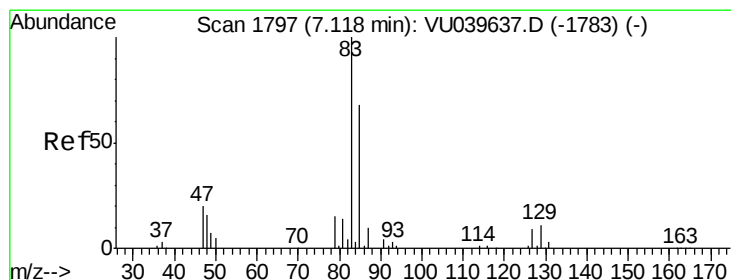
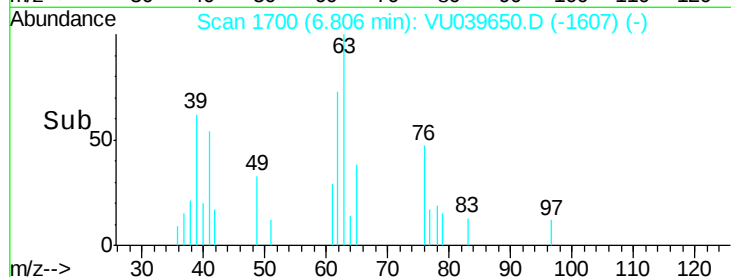
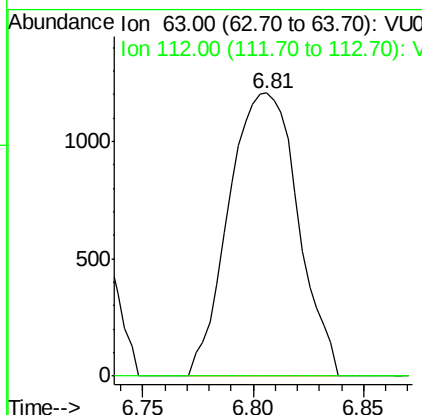
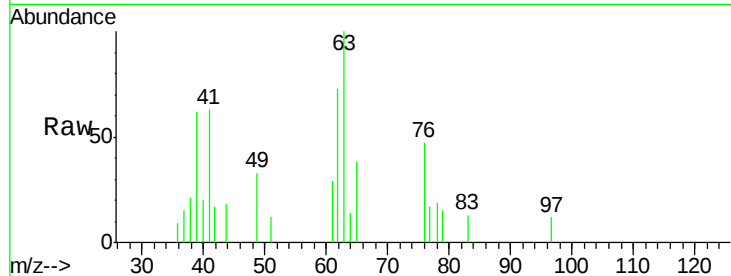
#37
 1,2-Dichloropropane
 Concen: 1.935 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 2623
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#

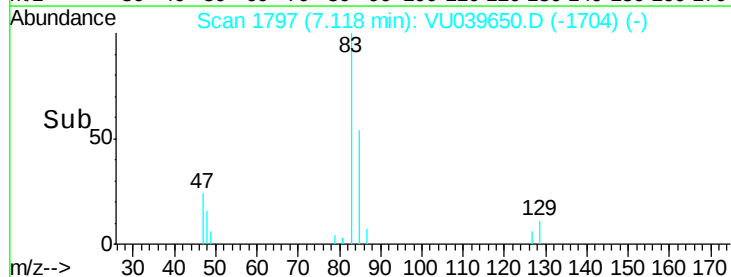
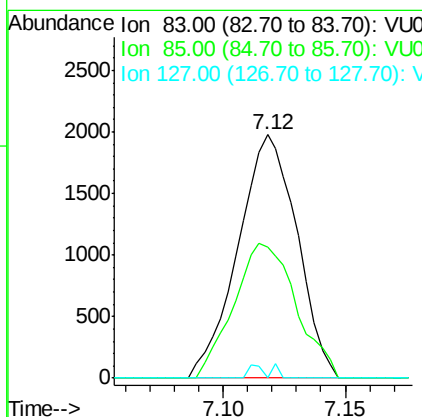
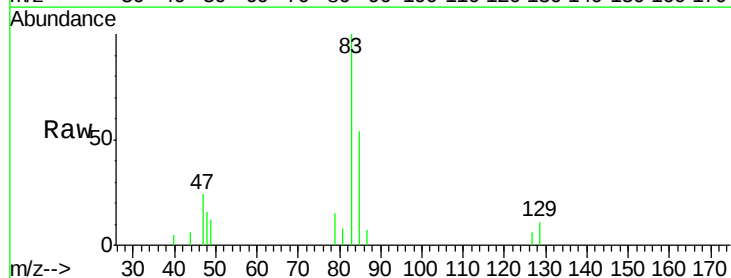
Manual Integrations
 APPROVED

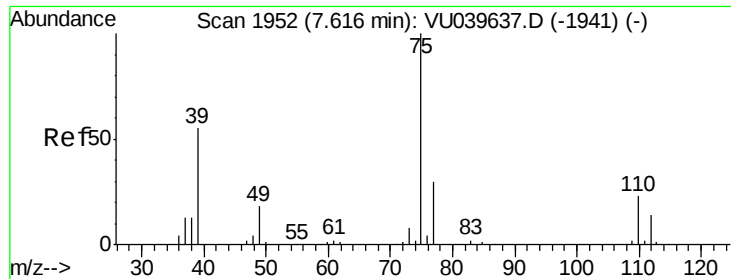
sam
 7/30/2020 2:57:42 AM



#38
 Bromodichloromethane
 Concen: 1.837 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion: 83 Resp: 3307
 Ion Ratio Lower Upper
 83 100
 85 53.7 45.9 85.3
 127 0.0 7.4 11.2#





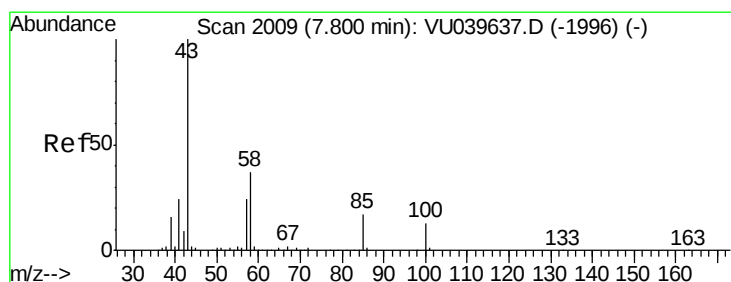
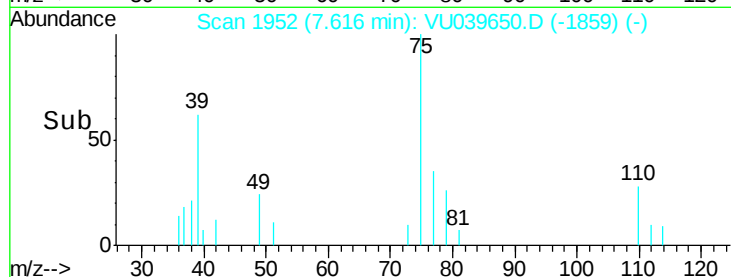
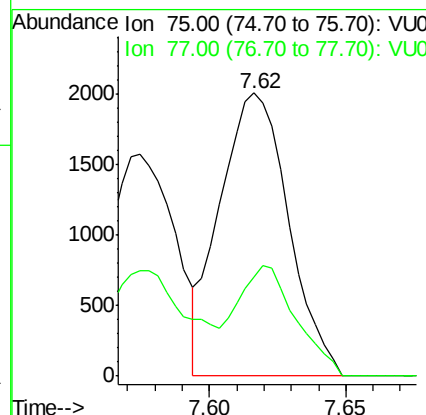
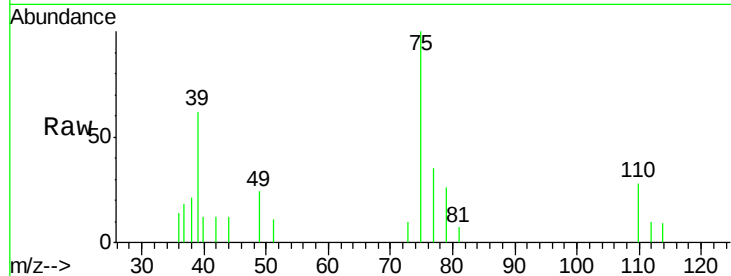
#39
 cis-1,3-Dichloropropene
 Concen: 1.732 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 3509
 Ion Ratio Lower Upper
 75 100
 77 35.2 21.8 40.6

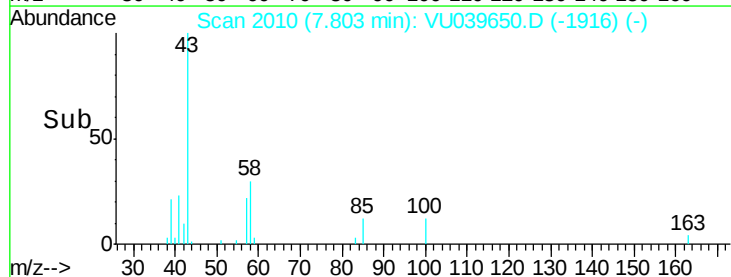
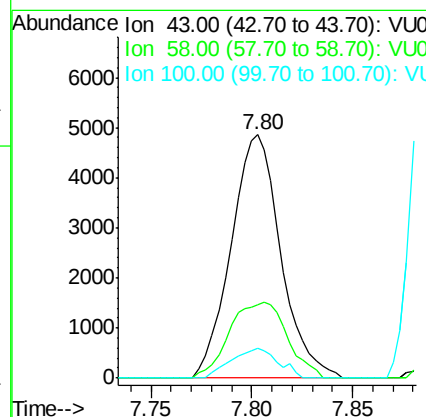
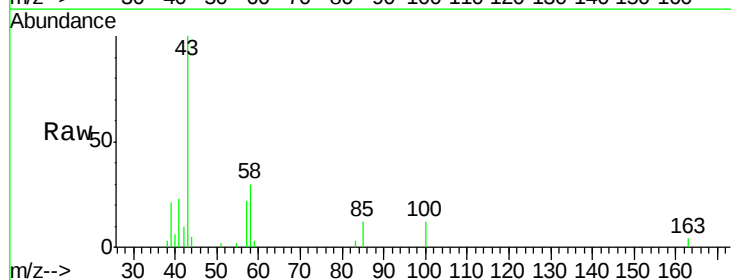
Manual Integrations
 APPROVED

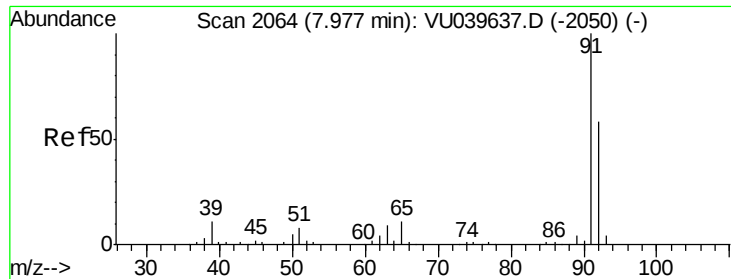
sam
 7/30/2020 2:57:42 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.544 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion: 43 Resp: 8370
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.1 43.7
 100 10.6 10.6 16.0#





#42

Toluene

Concen: 1.754 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 9657

Ion Ratio Lower Upper

91 100

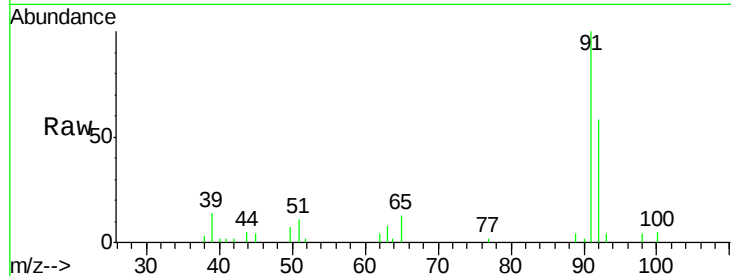
92 58.0 40.1 74.5

Manual Integrations

APPROVED

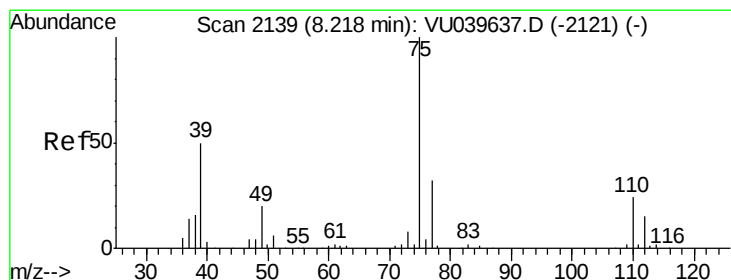
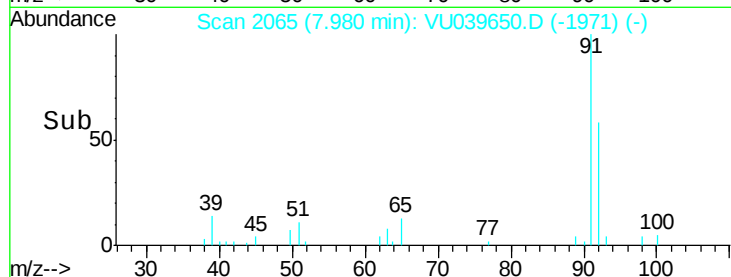
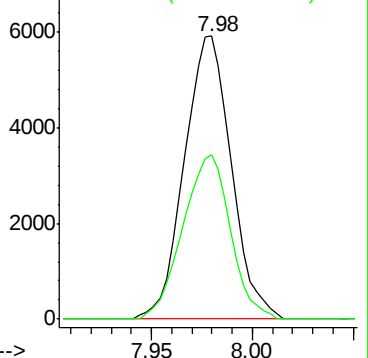
sam

7/30/2020 2:57:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.686 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039650.D

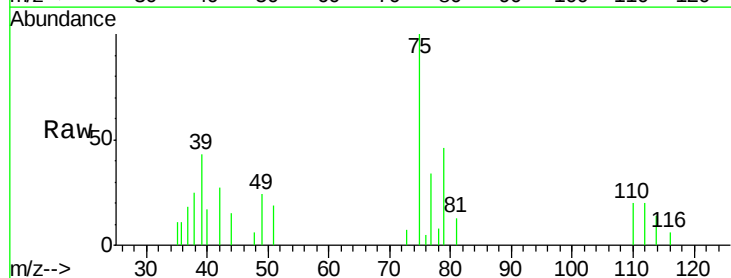
Acq: 23 Jul 2020 20:53

Tgt Ion: 75 Resp: 3345

Ion Ratio Lower Upper

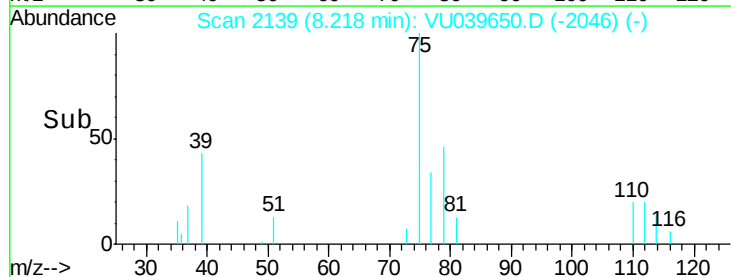
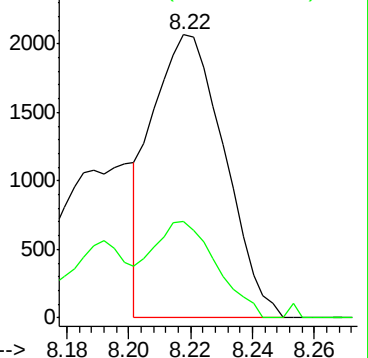
75 100

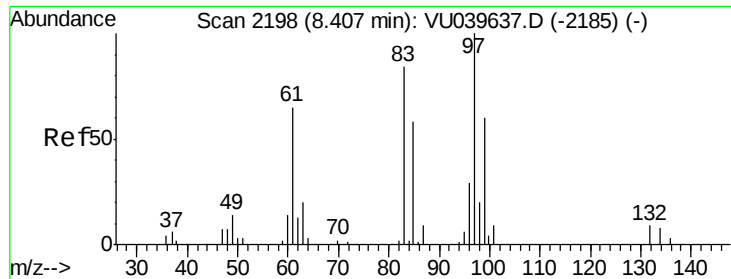
77 34.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)





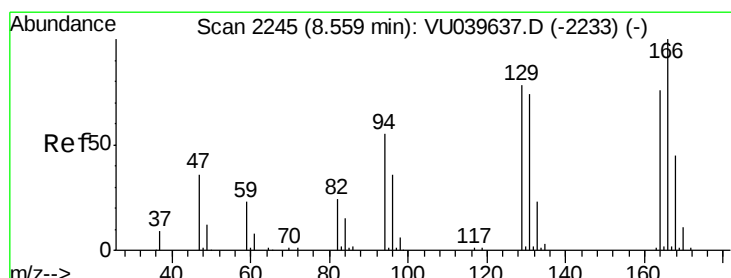
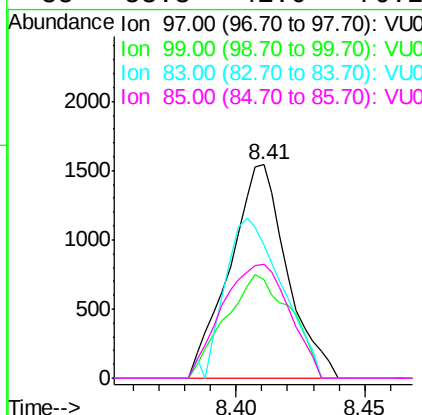
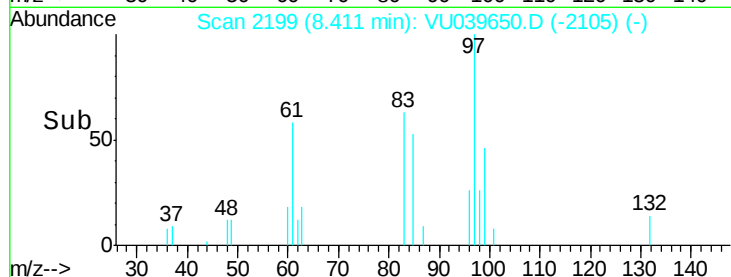
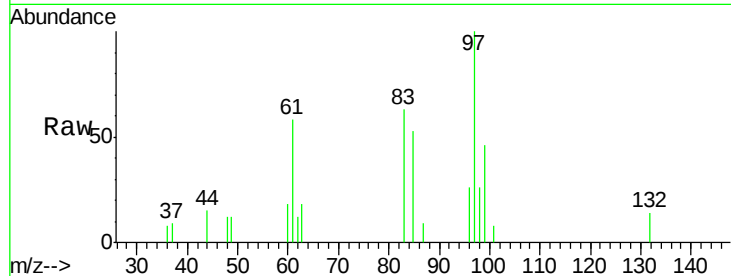
#45
1,1,2-Trichloroethane
Concen: 1.850 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	2392
Ion	Ratio	Lower	Upper
97	100		
99	46.1	45.1	83.9
83	62.5	62.7	116.5#
85	53.3	41.0	76.2

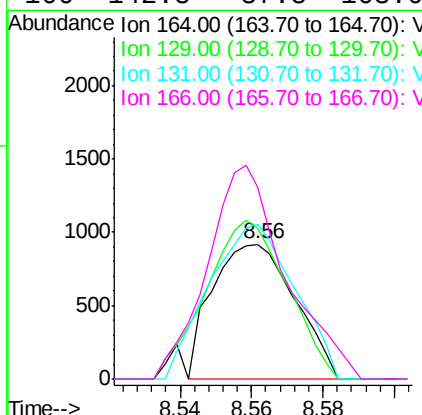
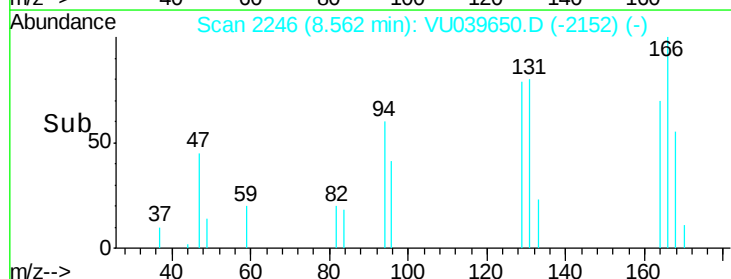
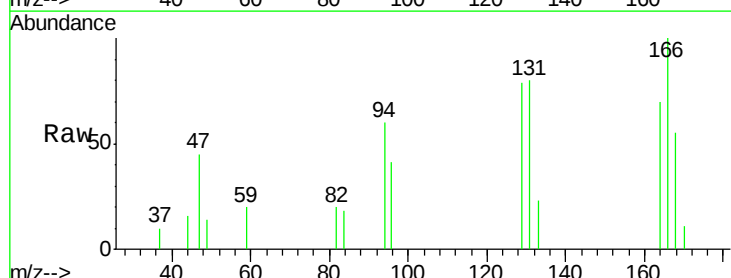
Manual Integrations
APPROVED

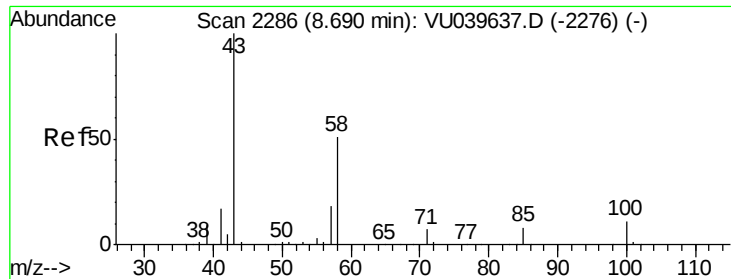
sam
7/30/2020 2:57:42 AM



#46
Tetrachloroethene
Concen: 1.468 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion:	164	Resp:	1470
Ion	Ratio	Lower	Upper
164	100		
129	112.2	71.1	132.1
131	114.8	70.3	130.5
166	142.8	87.8	163.0





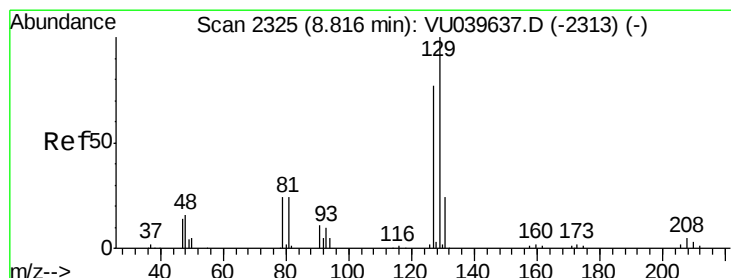
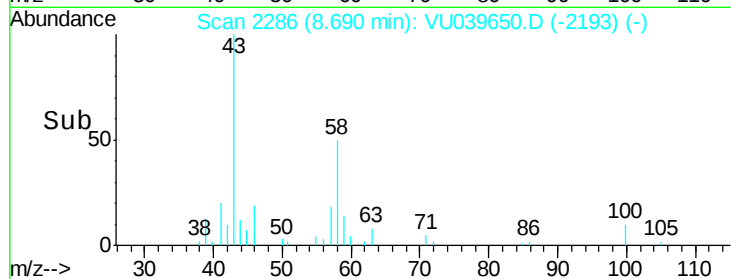
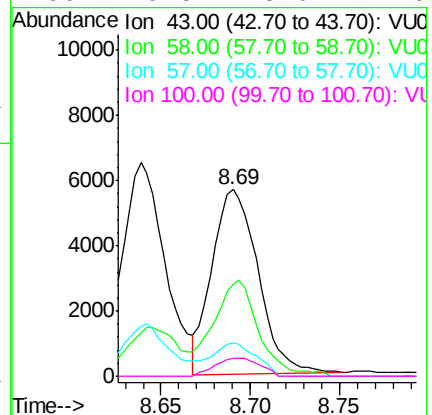
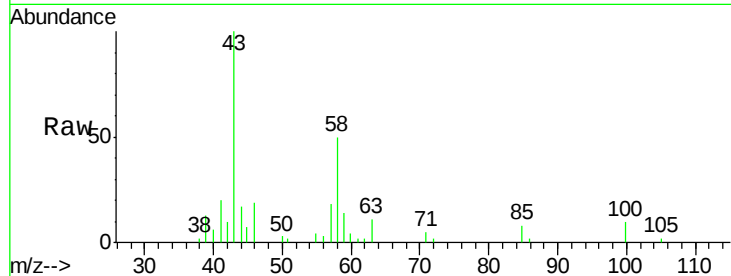
#48
2-Hexanone
Concen: 5.259 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	43	Resp	10119
Ion Ratio	Lower	Upper	
43	100		
58	51.7	40.6	61.0
57	16.9	14.5	21.7
100	9.5	8.0	12.0

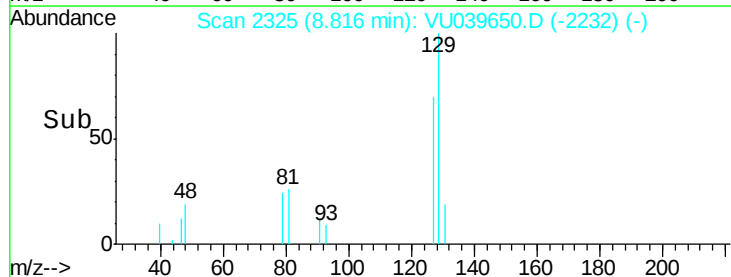
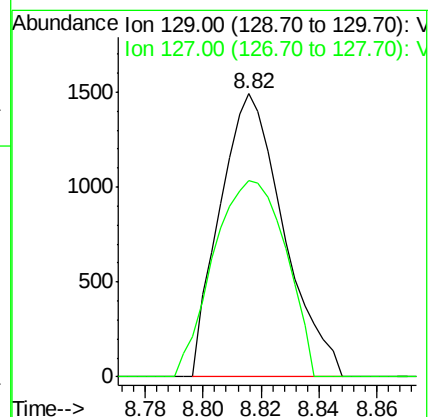
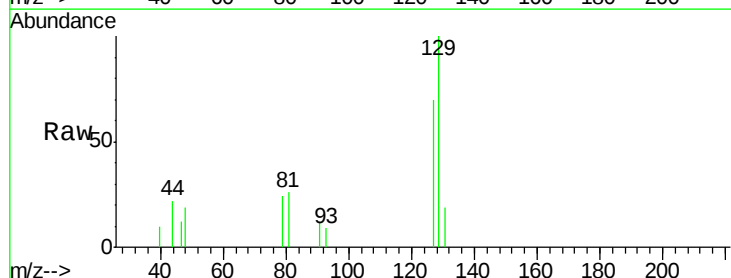
Manual Integrations
APPROVED

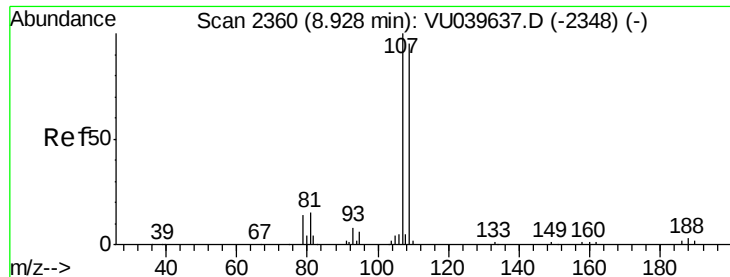
sam
7/30/2020 2:57:42 AM



#49
Dibromochloromethane
Concen: 1.559 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion	129	Resp	2276
Ion Ratio	Lower	Upper	
129	100		
127	69.5	54.3	100.9





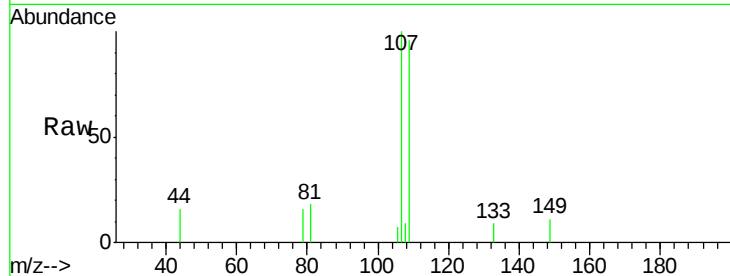
#50
 1,2-Dibromoethane
 Concen: 1.756 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	66.8	124.2
188	0.0	3.0	4.4#

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:42 AM

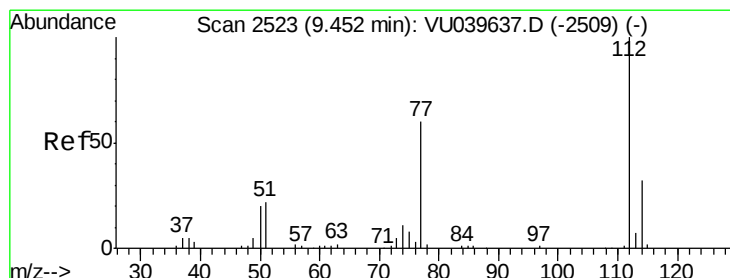
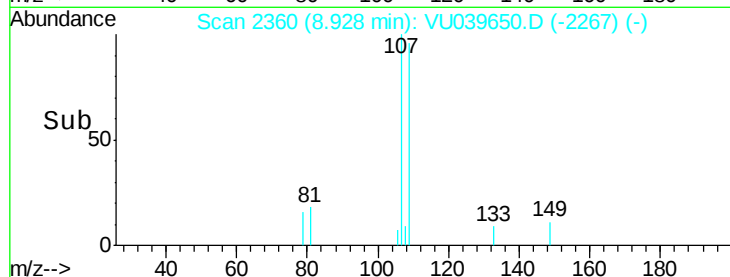
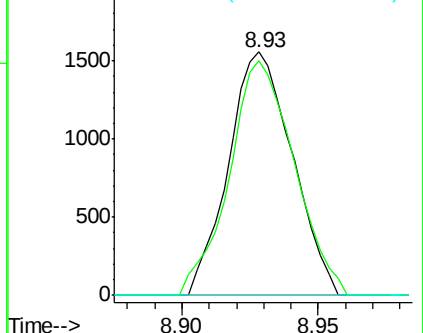


Abundance

Ion 107.00 (106.70 to 107.70): V

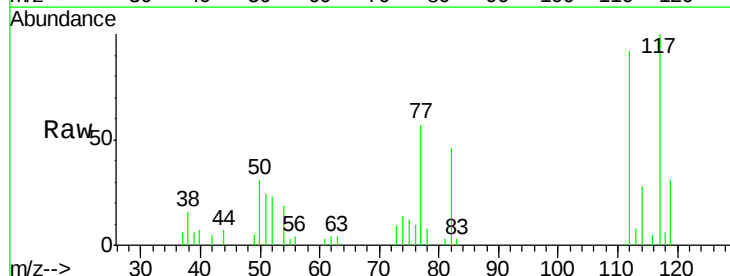
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 1.829 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.9	42.5
77	62.1	49.4	74.0

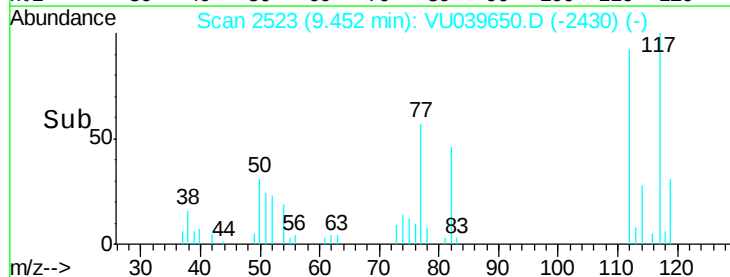
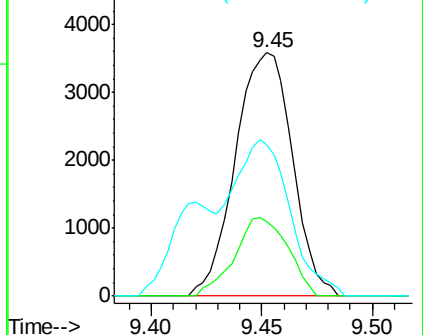


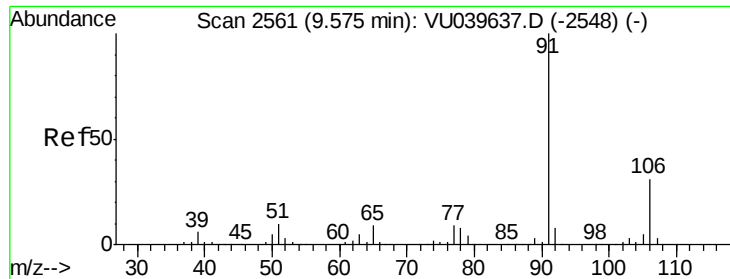
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 1.719 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 10462

Ion Ratio Lower Upper

91 100

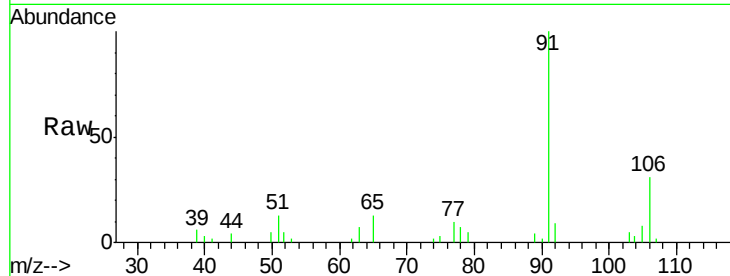
106 31.2 21.1 39.1

Manual Integrations

APPROVED

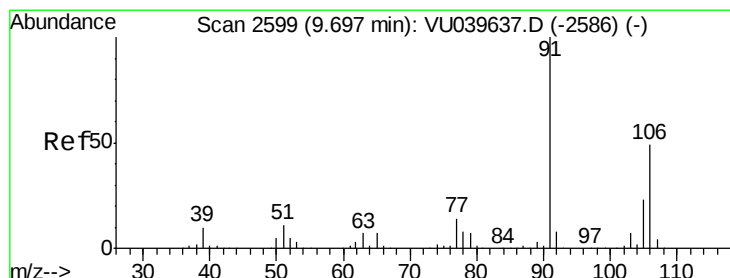
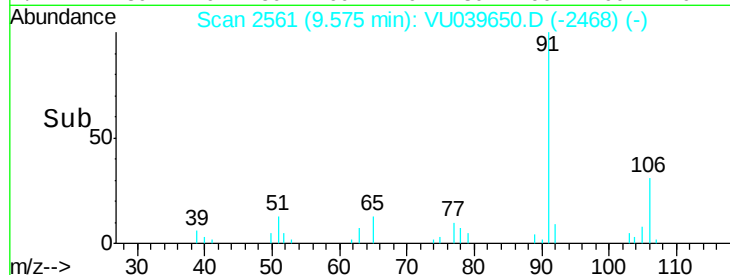
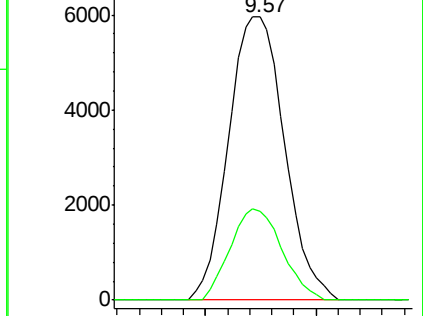
sam

7/30/2020 2:57:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VU039650.D (-2468) (-)

Ion 106.00 (105.70 to 106.70): VU039650.D (-2468) (-)



#53

m,p-Xylene

Concen: 1.690 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039650.D

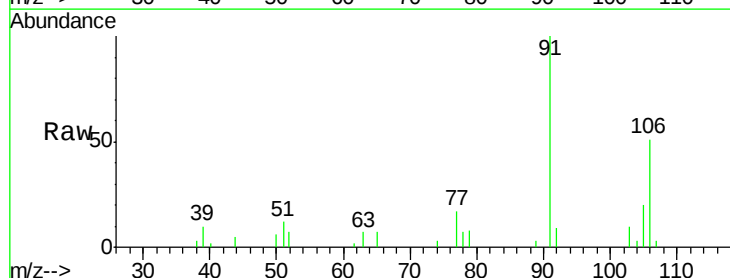
Acq: 23 Jul 2020 20:53

Tgt Ion: 106 Resp: 3875

Ion Ratio Lower Upper

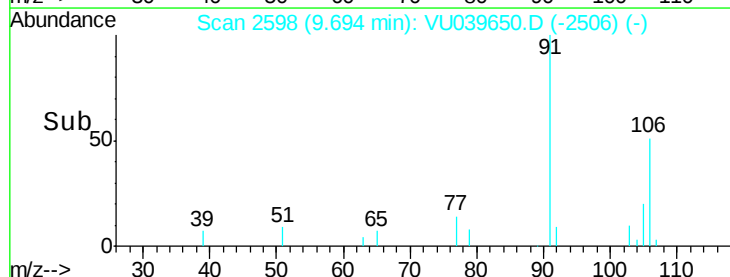
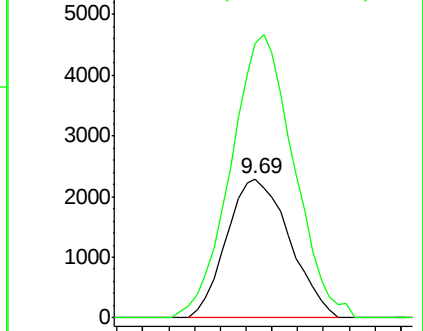
106 100

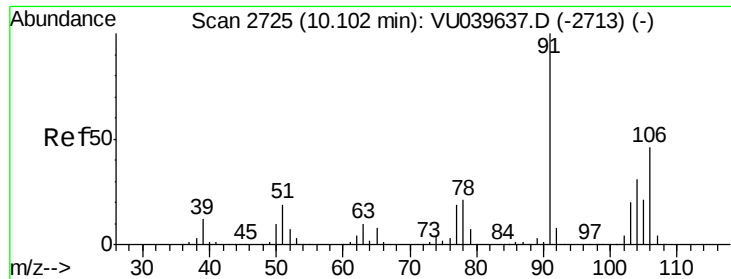
91 197.4 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039650.D (-2506) (-)

Ion 91.00 (90.70 to 91.70): VU039650.D (-2506) (-)





#54

o-xylene

Concen: 1.732 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion:106 Resp: 3813

Ion Ratio Lower Upper

106 100

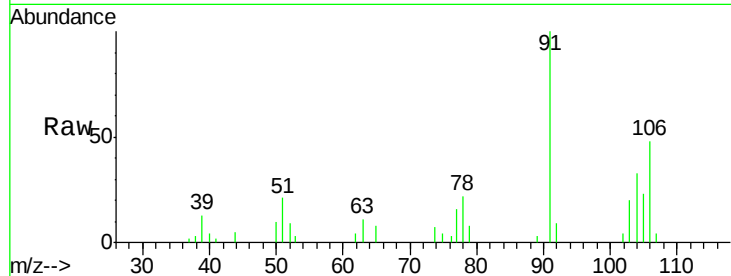
91 206.7 155.1 288.1

Manual Integrations

APPROVED

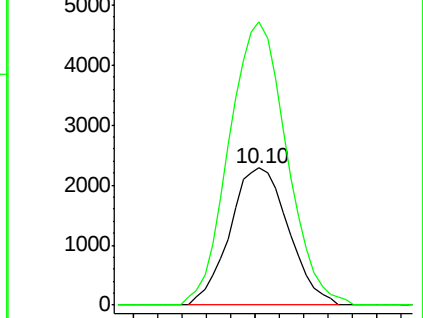
sam

7/30/2020 2:57:42 AM

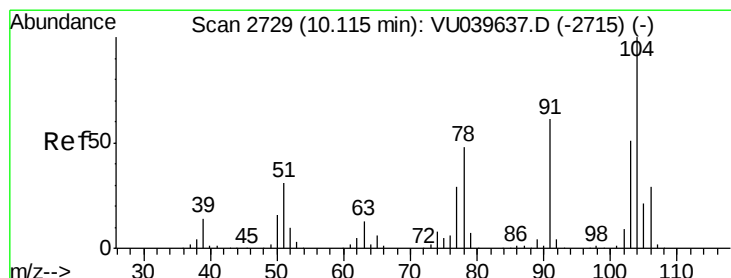
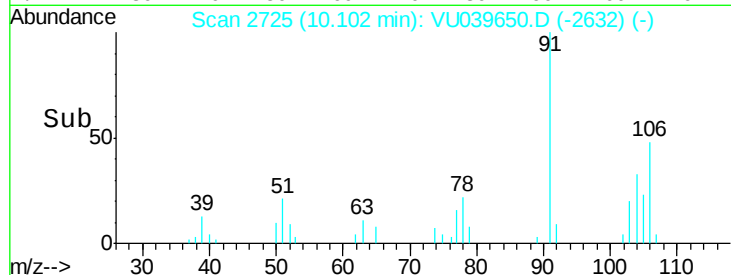


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 1.513 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039650.D

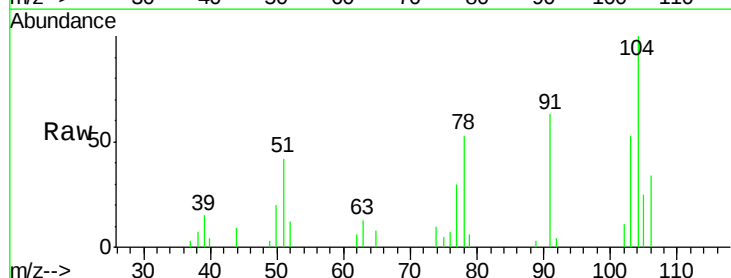
Acq: 23 Jul 2020 20:53

Tgt Ion:104 Resp: 5761

Ion Ratio Lower Upper

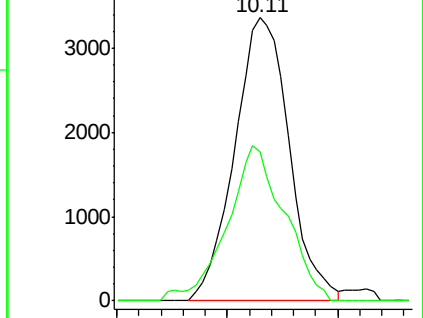
104 100

78 52.7 34.3 63.7

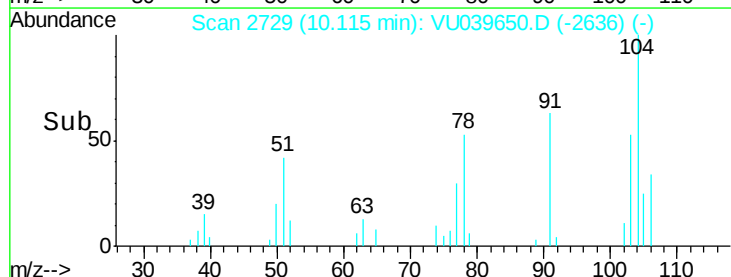


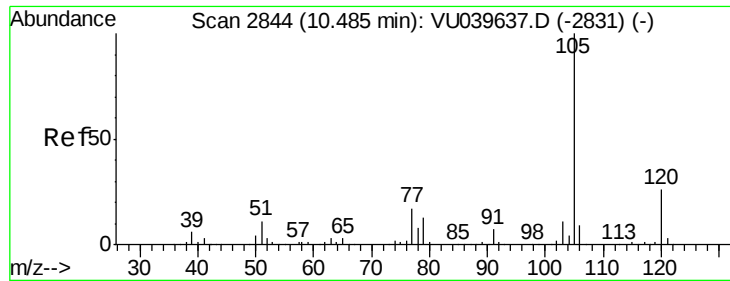
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 1.664 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

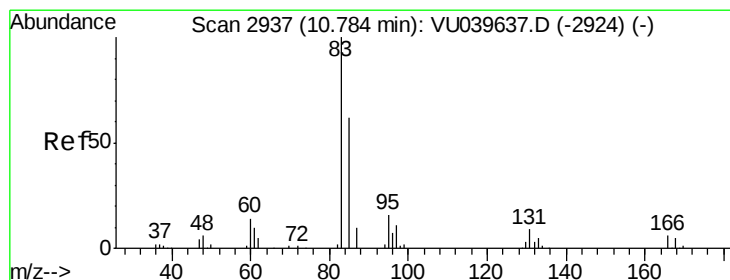
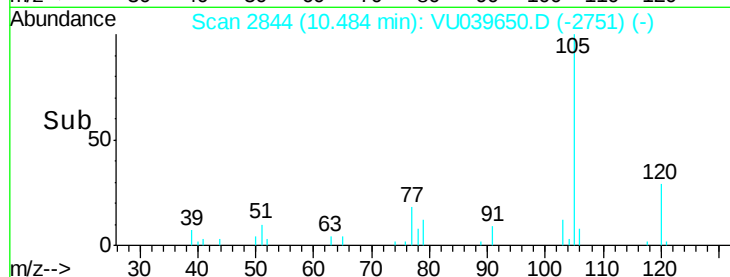
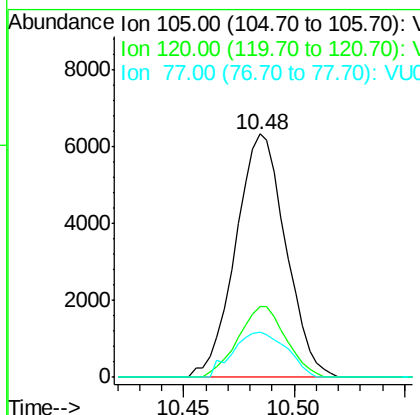
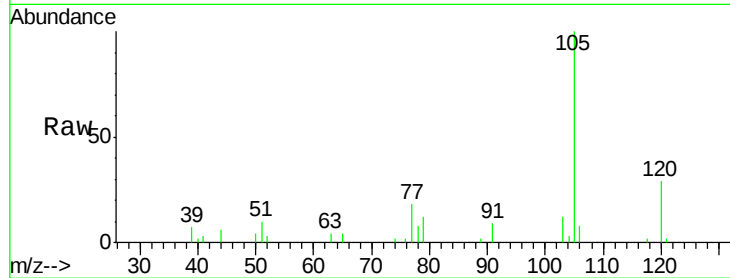
ClientSampled :

MDL04

Tot Ion:	105	Resp:	9944
Ion Ratio	Lower	Upper	
105	100		
120	28.0	20.6	31.0
77	19.8	13.4	20.2

Manual Integrations
APPROVED

sam
7/30/2020 2:57:42 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 1.944 ug/L

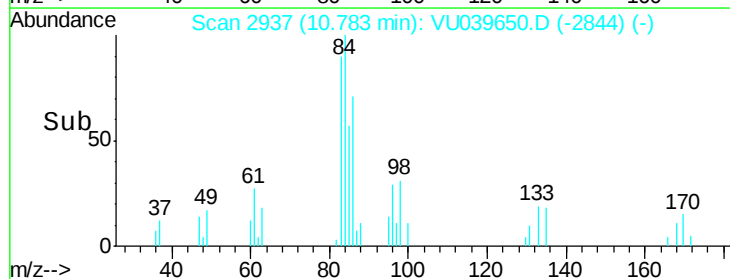
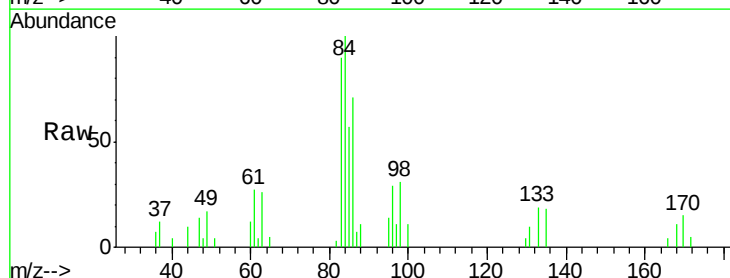
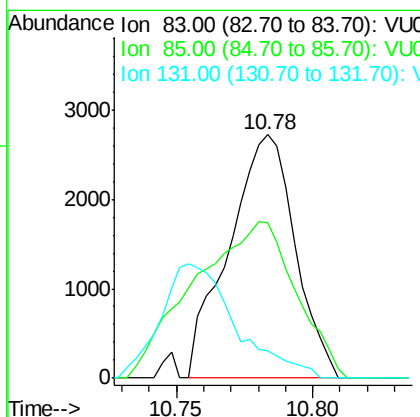
RT: 10.78 min Scan# 2937

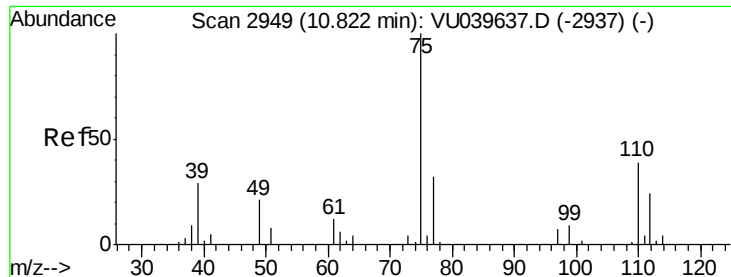
Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Tgt Ion:	83	Resp:	4580
Ion Ratio	Lower	Upper	
83	100		
85	63.8	46.4	86.2
131	11.2	7.8	11.6





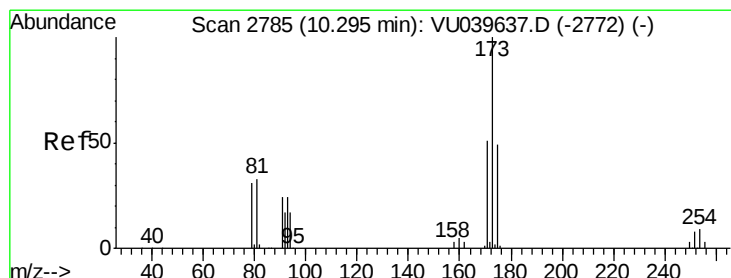
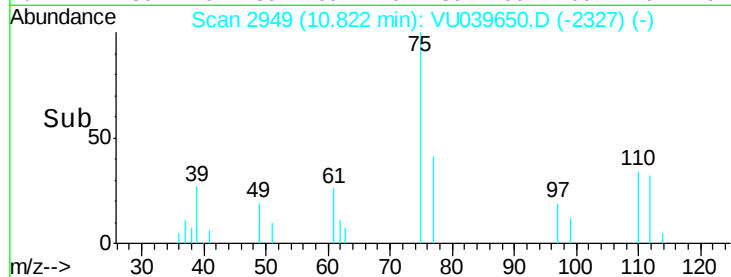
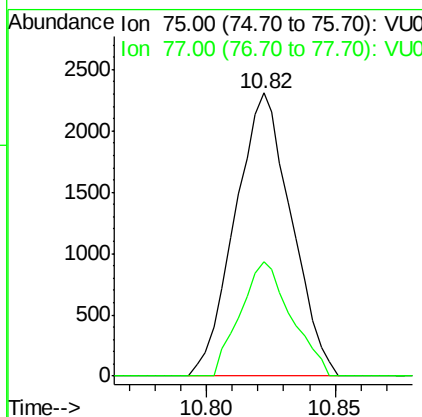
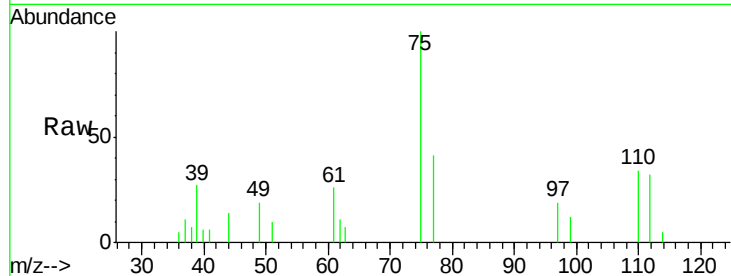
#59
 1,2,3-Trichloropropane
 Concen: 1.789 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 3519
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.4 38.2

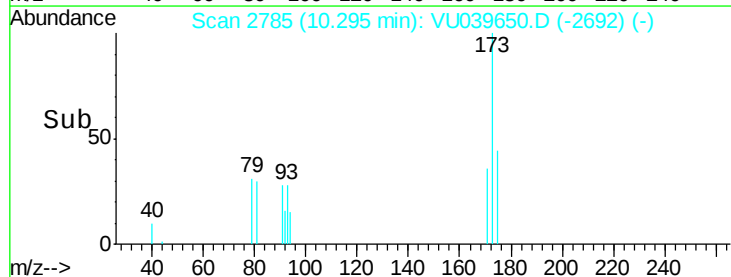
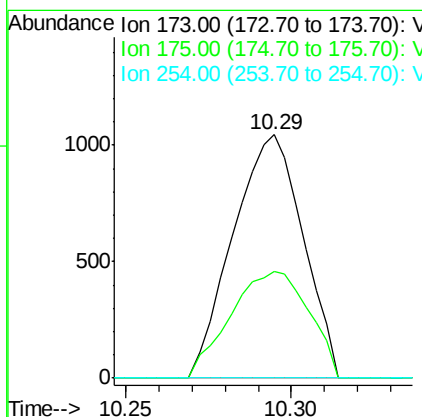
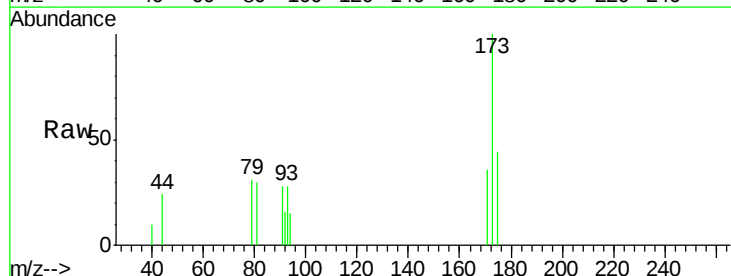
Manual Integrations
 APPROVED

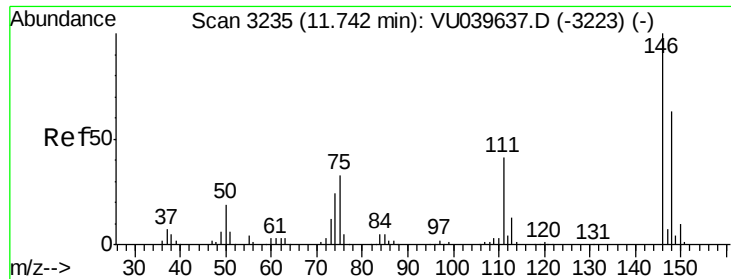
sam
 7/30/2020 2:57:42 AM



#61
 Bromoform
 Concen: 1.519 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion: 173 Resp: 1528
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.4 57.6
 254 0.0 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 1.726 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Instrument :

MSVOA_U

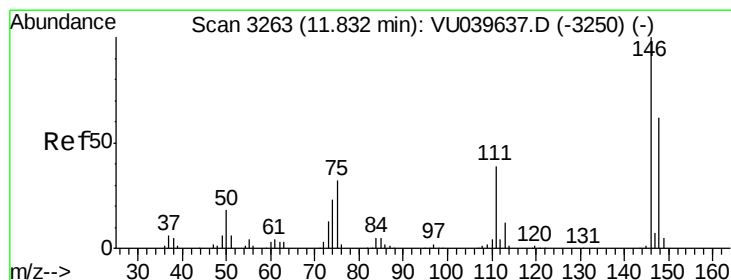
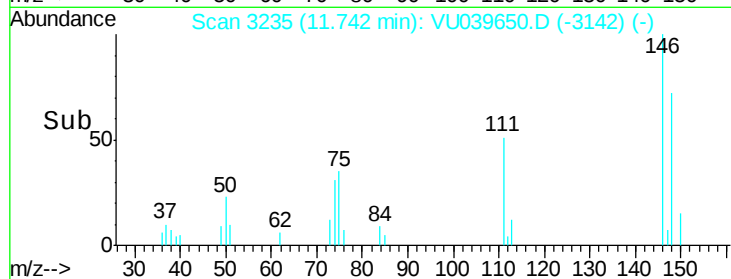
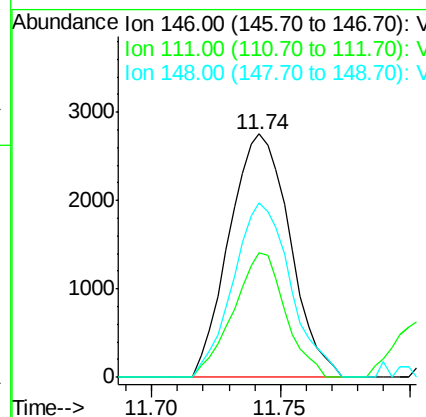
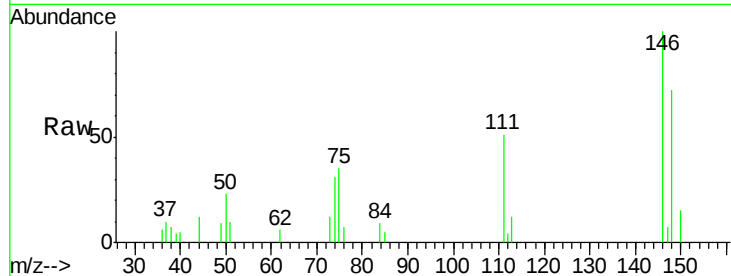
ClientSampled :

MDL04

Tot Ion:	146	Resp:	4495
Ion Ratio	Lower	Upper	
146	100		
111	51.0	29.3	54.3
148	71.8	46.1	85.5

Manual Integrations
APPROVED

sam
7/30/2020 2:57:42 AM



#63

1,4-Dichlorobenzene

Concen: 1.917 ug/L

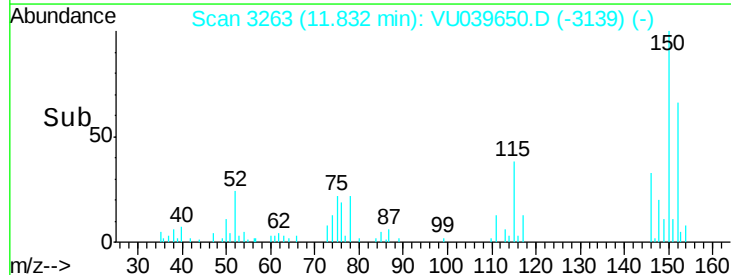
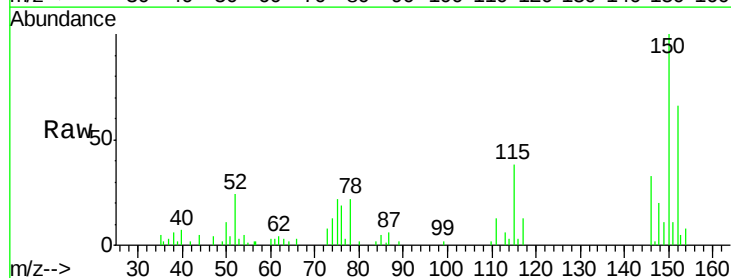
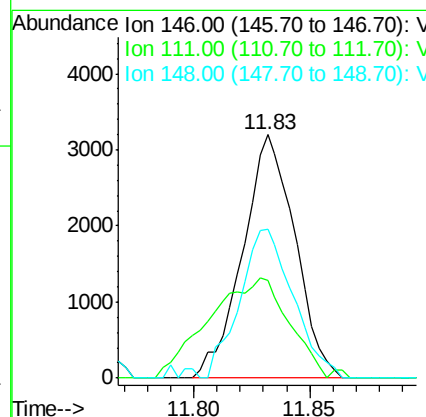
RT: 11.83 min Scan# 3263

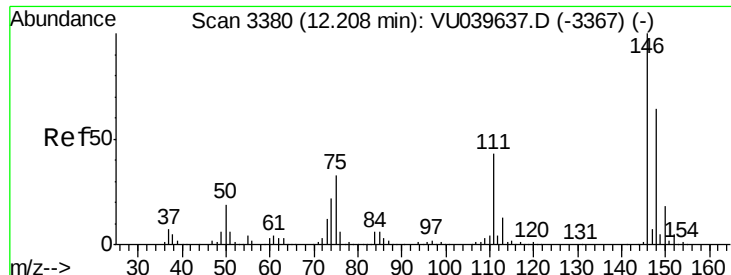
Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:53

Tgt Ion:	146	Resp:	5002
Ion Ratio	Lower	Upper	
146	100		
111	39.9	27.8	51.6
148	61.0	44.7	83.1





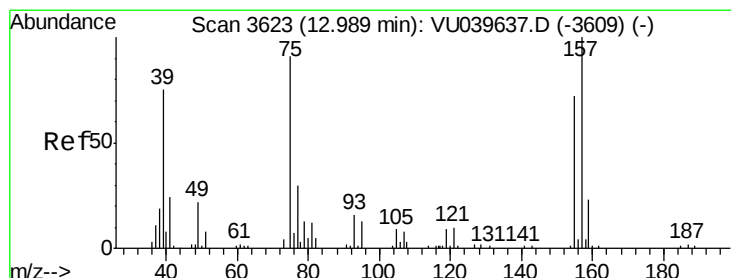
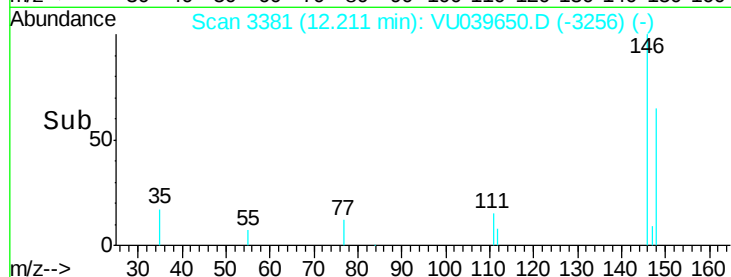
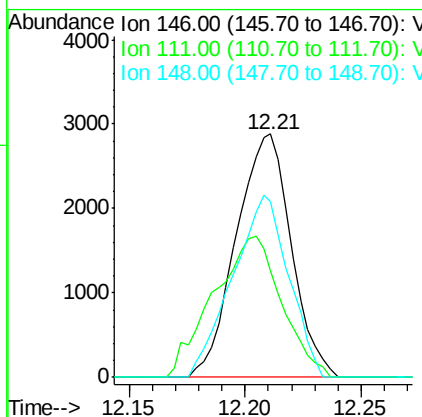
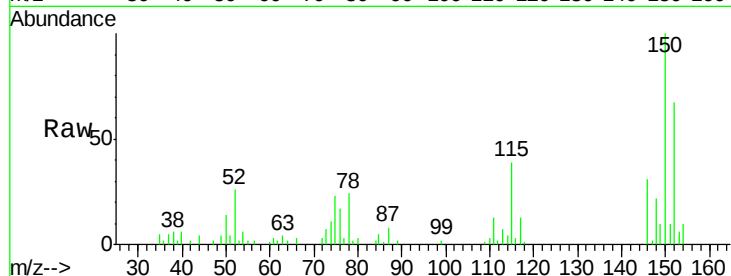
#65
 1,2-Dichlorobenzene
 Concen: 1.804 ug/L
 RT: 12.21 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	34.8	52.2
148	72.0	52.5	78.7

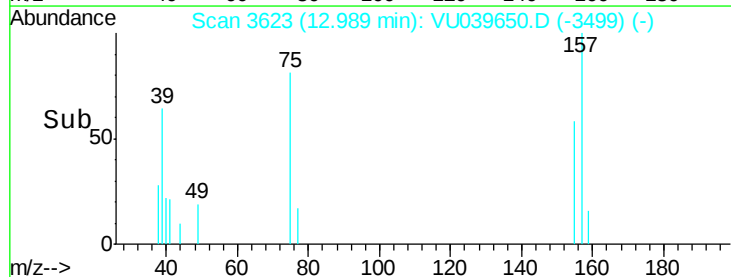
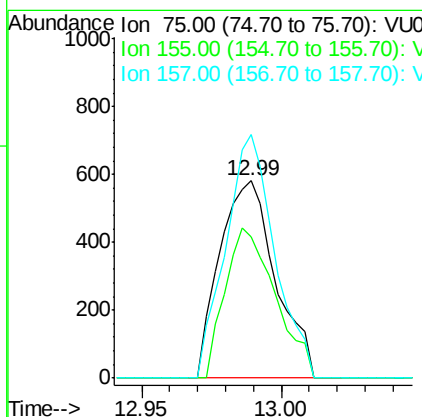
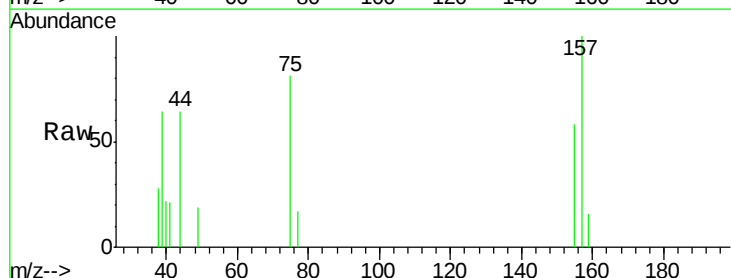
Manual Integrations
 APPROVED

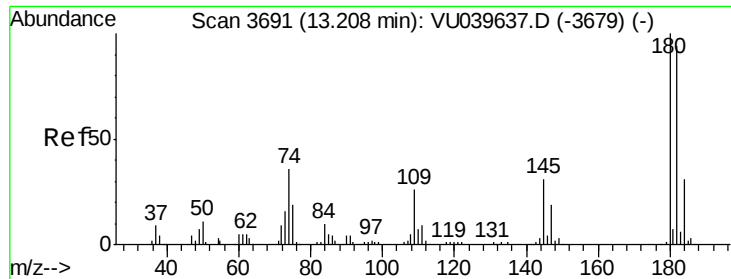
sam
 7/30/2020 2:57:42 AM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.535 ug/L m
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	62.4	93.6
157	123.6	78.9	118.3#





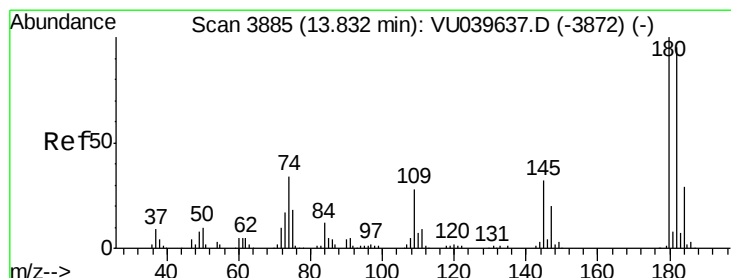
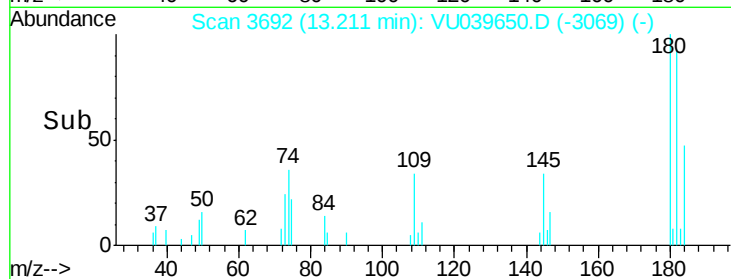
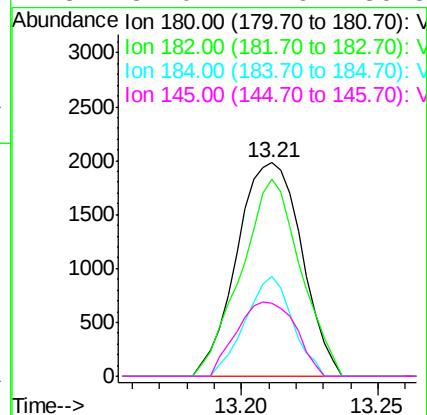
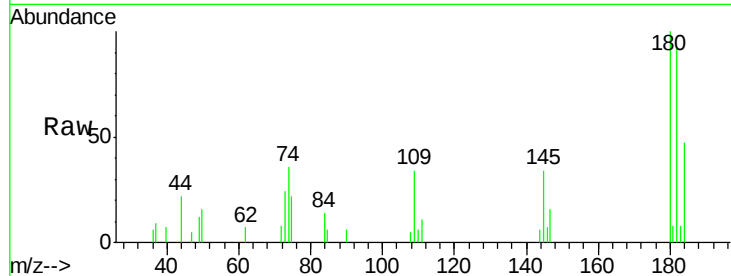
#67
 1,3,5-Trichlorobenzene
 Concen: 1.739 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:180	Resp:	3267
Ion Ratio	Lower	Upper
180	100	
182	84.5	75.7 113.5
184	34.0	24.2 36.2
145	32.0	24.6 36.8

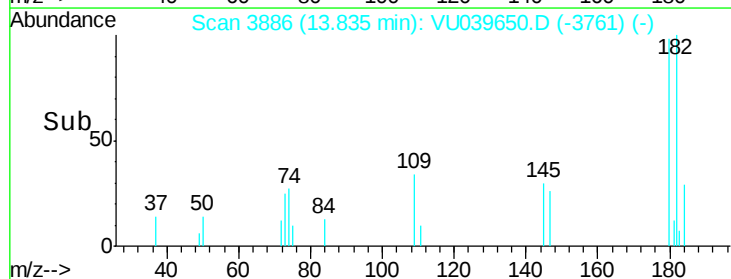
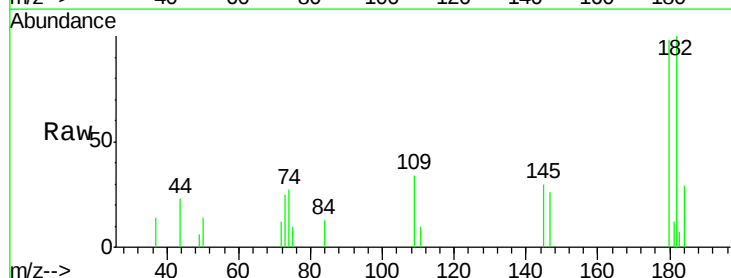
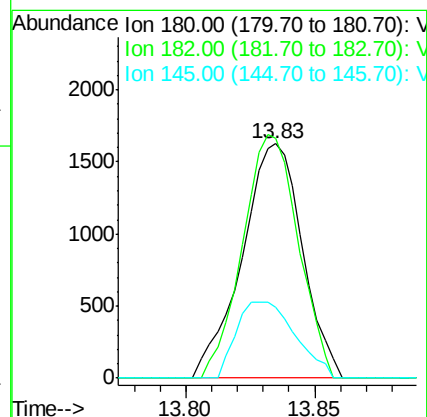
Manual Integrations
 APPROVED

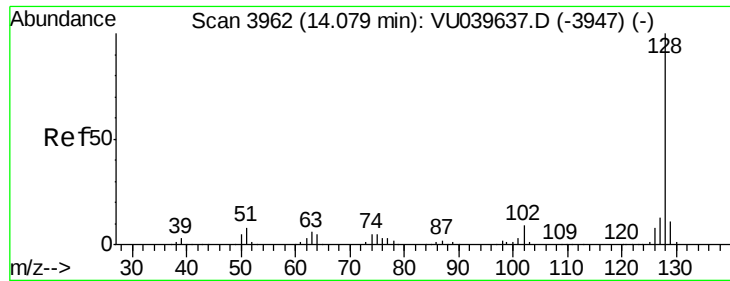
sam
 7/30/2020 2:57:42 AM



#68
 1,2,4-trichlorobenzene
 Concen: 1.659 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:53

Tgt Ion:180	Resp:	2645
Ion Ratio	Lower	Upper
180	100	
182	96.0	74.4 111.6
145	31.8	24.8 37.2





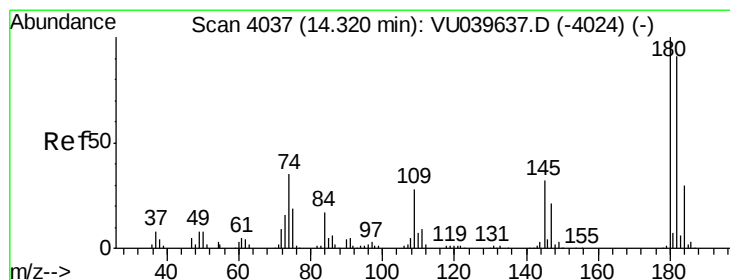
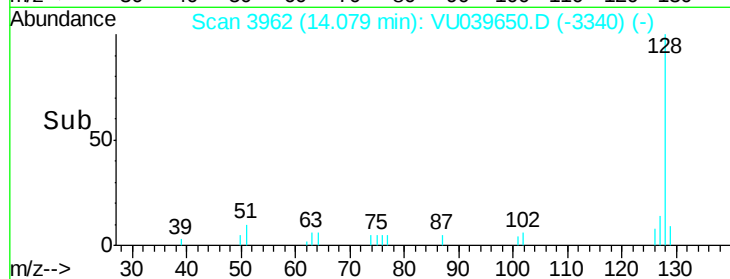
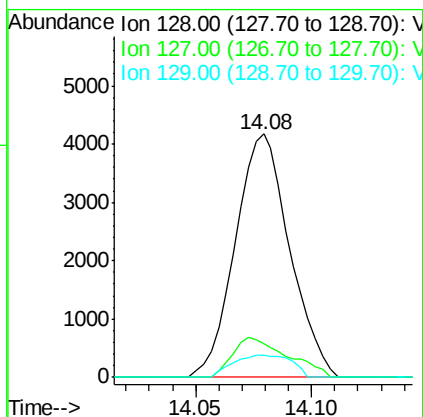
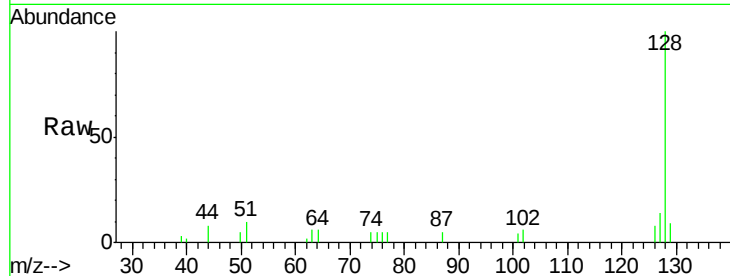
#69
Naphthalene
Concen: 1.419 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion:128 Resp: 6785
Ion Ratio Lower Upper
128 100
127 16.5 10.7 16.1#
129 9.8 8.8 13.2

Manual Integrations
APPROVED

sam
7/30/2020 2:57:42 AM



#70
1,2,3-Trichlorobenzene
Concen: 1.507 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:53

Tgt Ion:180 Resp: 2427
Ion Ratio Lower Upper
180 100
182 96.2 76.6 114.8
145 32.1 27.0 40.4

