

Data File : VU032261.D
Acq On : 23 May 2019 10:39
Operator : JC/SP
Sample : K3001-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF2

Quant Time: May 24 01:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	370862	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	377054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	153805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111336	5.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.00%
7) Chloroethane-d5	1.68	69	96585	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.27	63	179419	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.19	46	227881	38.79	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.58%
24) Chloroform-d	4.64	84	210155	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.31	65	106062	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
32) Benzene-d6	5.33	84	434520	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.32	67	125645	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.20%
41) Toluene-d8	7.56	98	359433	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
43) trans-1,3-Dichloropropene-	7.85	79	43006	3.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.40%
46) 2-Hexanone-d5	8.31	63	192762	38.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102607	2.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	59.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	135578	3.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.00%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	3869	0.243 ug/L	97
9) Trichlorofluoromethane	1.88	101	5963	0.287 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2176	0.166 ug/L #	29
12) 1,1-Dichloroethene	2.28	96	42744	3.239 ug/L	80
13) Acetone	2.32	43	11090	6.093 ug/L	100
15) Methyl Acetate	2.63	43	789	0.148 ug/L #	41
18) trans-1,2-Dichloroethene	2.97	96	7418	0.524 ug/L	86
19) 1,1-Dichloroethane	3.44	63	436053	19.930 ug/L	96
21) 2-Butanone	4.29	43	3388	1.234 ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	52578	3.802 ug/L	100
25) Chloroform	4.67	83	6881	0.291 ug/L #	73
29) 1,1,1-Trichloroethane	4.91	97	345962	17.678 ug/L	97
31) Carbon tetrachloride	4.90	117	45529	2.641 ug/L	93
34) Trichloroethene	6.18	95	41932	3.063 ug/L	91
35) Methylcyclohexane	6.32	83	30612	1.518 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	13179	1.073 ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	1771	0.129 ug/L #	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052319\
Quantitation Report (Not Reviewed)

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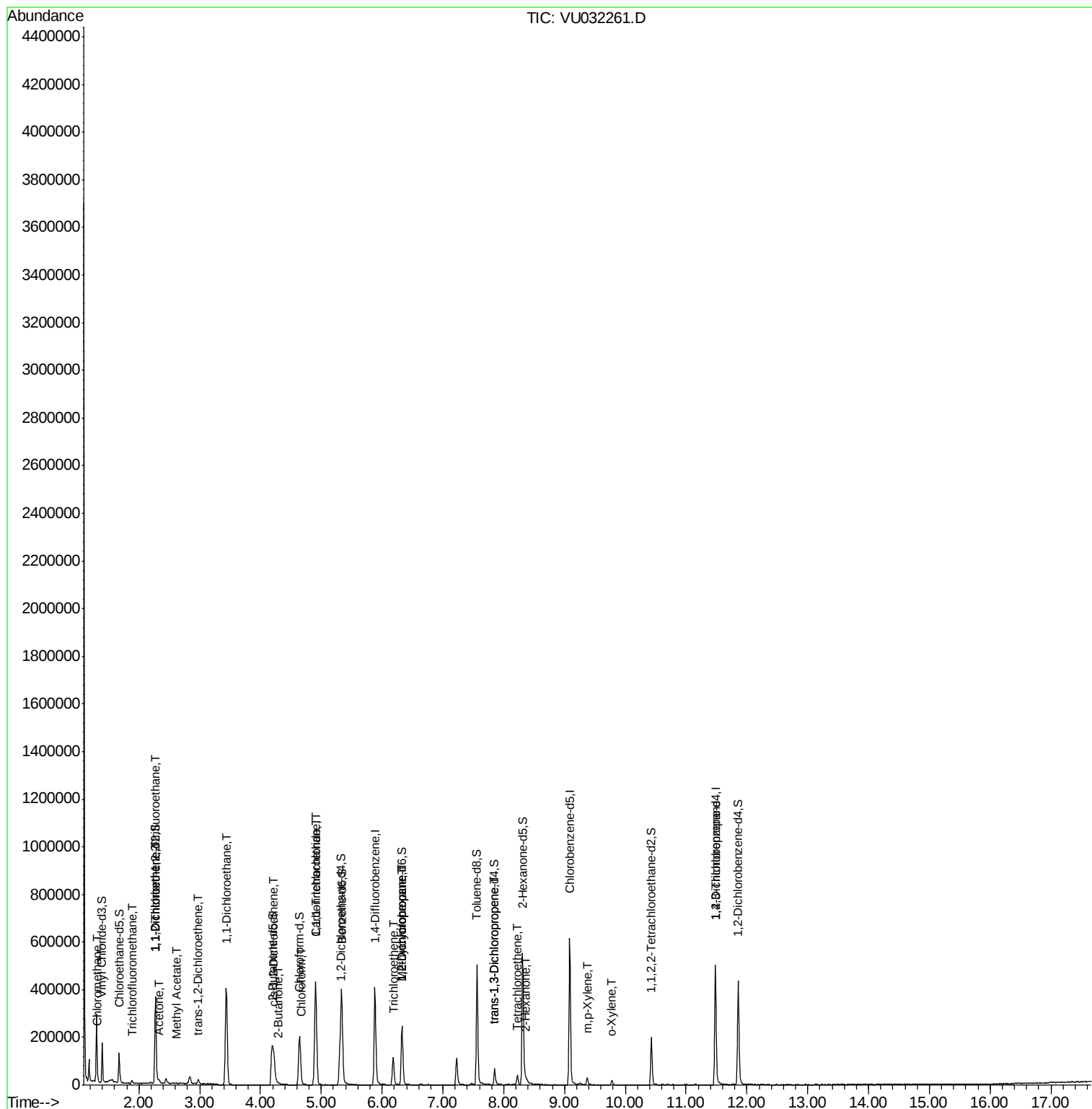
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.22	164	10449	0.925	ug/L	95
48) 2-Hexanone	8.37	43	5096	1.070	ug/L #	88
53) m,p-Xylene	9.37	106	10719	0.528	ug/L	81
54) o-Xylene	9.78	106	4936	0.244	ug/L	86
59) 1,2,3-Trichloropropane	11.48	75	15133	1.892	ug/L	91

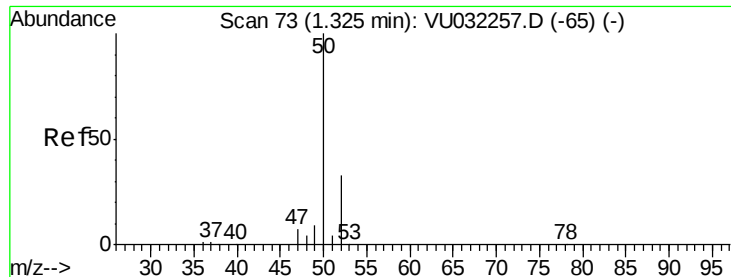
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.243 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

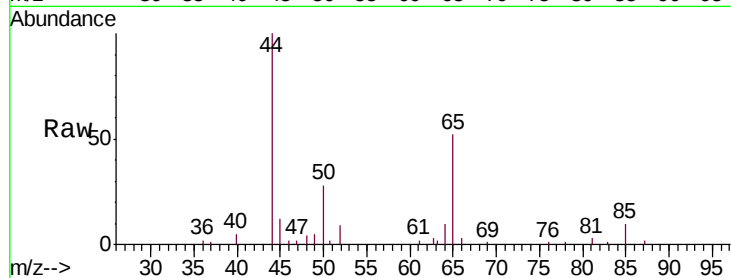
E3YF2

Tgt Ion: 50 Resp: 3869

Ion Ratio Lower Upper

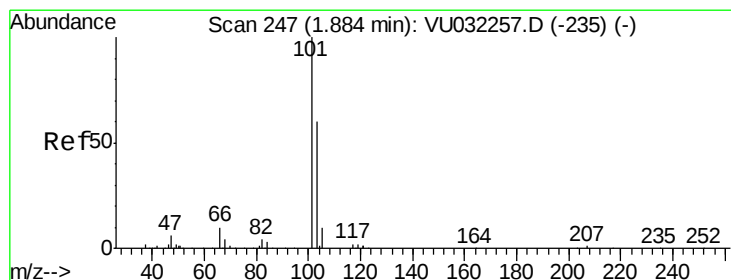
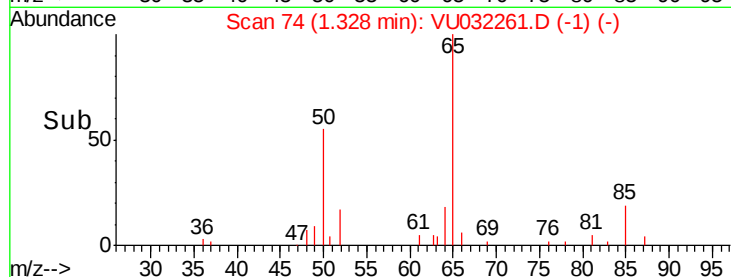
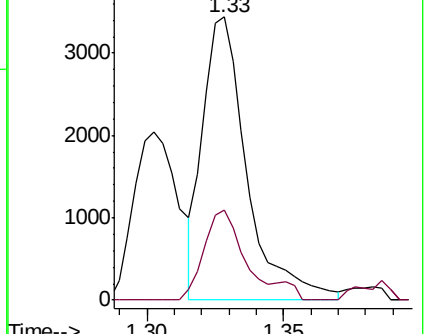
50 100

52 31.7 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU032257.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032257.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 0.287 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032261.D

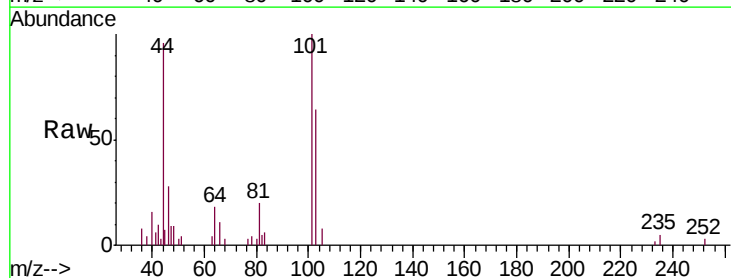
Acq: 23 May 2019 10:39

Tgt Ion: 101 Resp: 5963

Ion Ratio Lower Upper

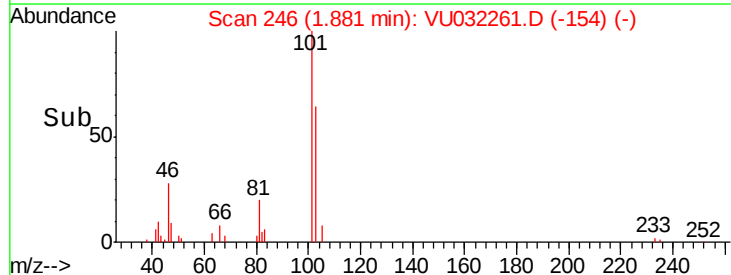
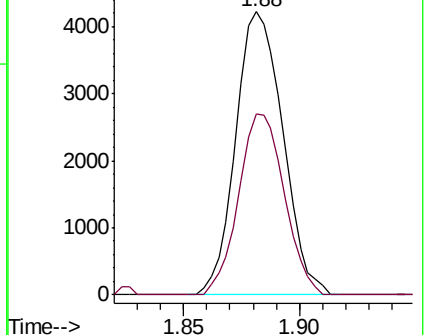
101 100

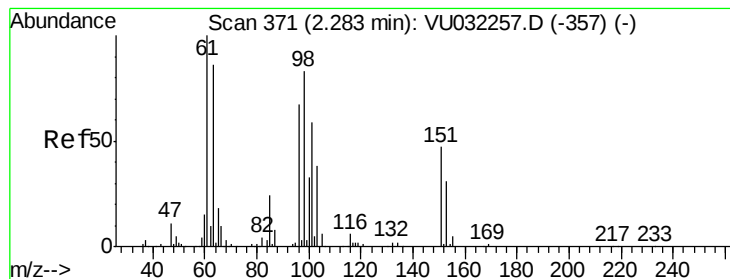
103 62.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU032257.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032257.D (-235) (-)





#10

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

Concen: 0.166 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

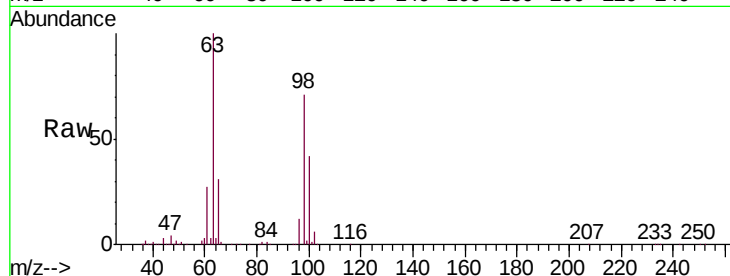
Tgt Ion:101 Resp: 2176

Ion Ratio Lower Upper

101 100

85 13.3 34.2 51.4#

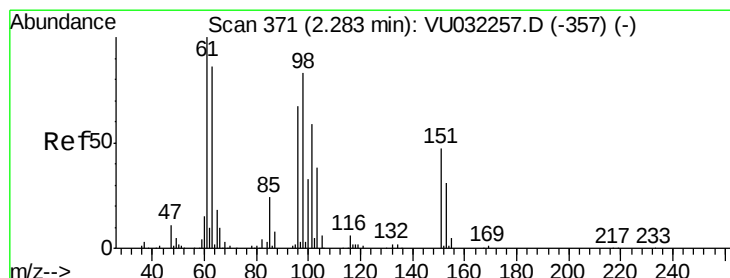
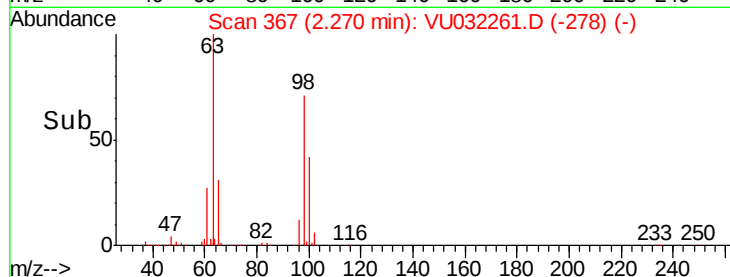
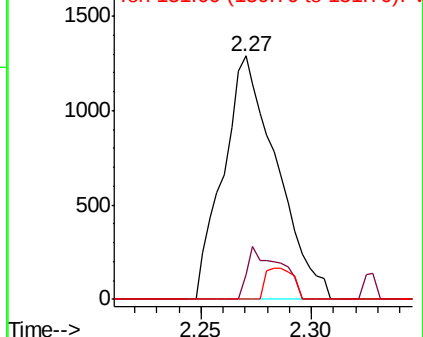
151 6.6 64.4 96.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.239 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

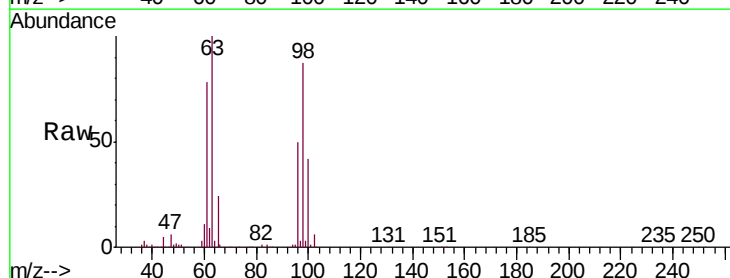
Tgt Ion: 96 Resp: 42744

Ion Ratio Lower Upper

96 100

61 156.3 113.8 211.3

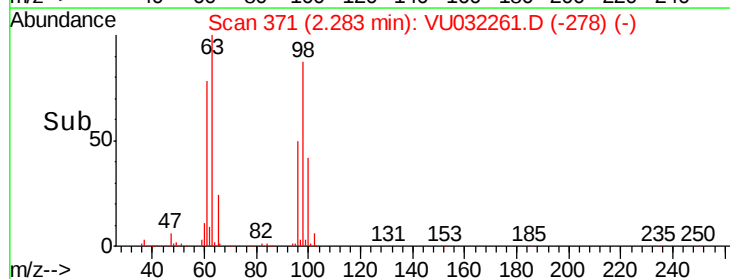
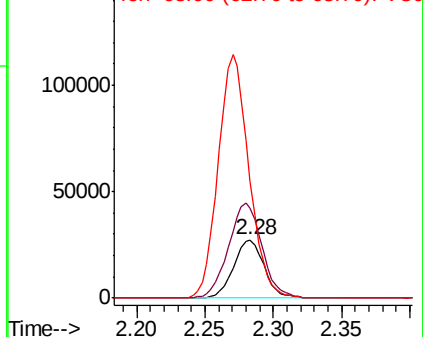
63 201.6 108.8 202.2

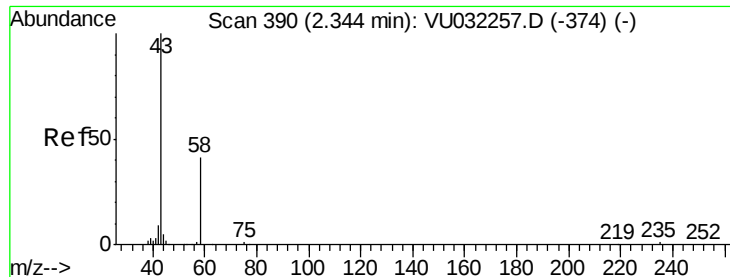


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.093 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

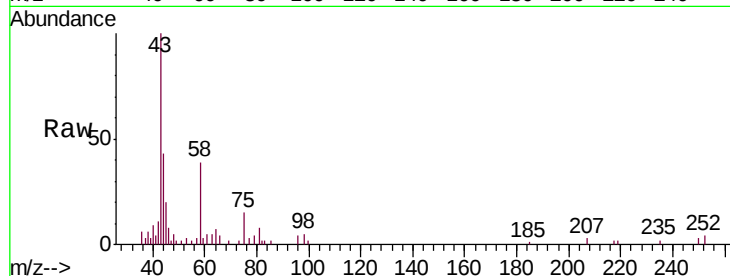
E3YF2

Tgt Ion: 43 Resp: 11090

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032257.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032257.D (-374) (-)

2.32

6000

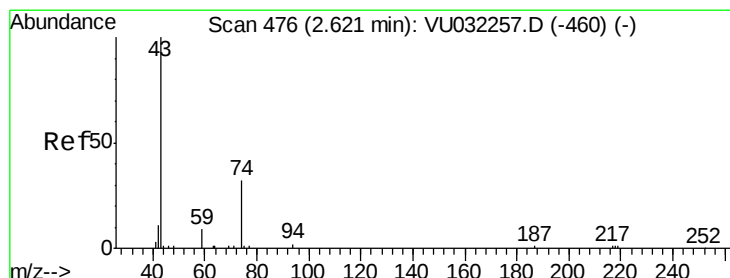
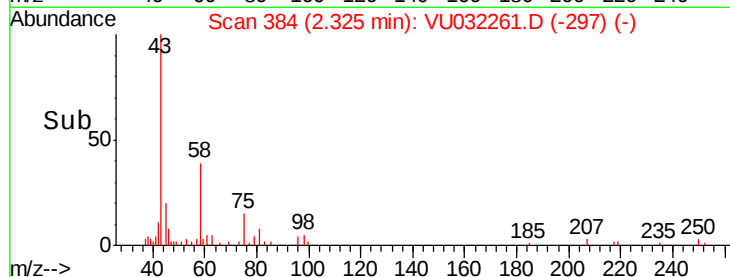
4000

2000

0

Time-->

2.25 2.30 2.35



#15

Methyl Acetate

Concen: 0.148 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.01 min

Lab File: VU032261.D

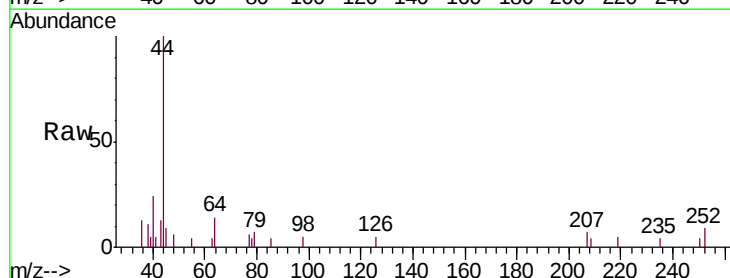
Acq: 23 May 2019 10:39

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

74 0.0 27.3 40.9#



Abundance Ion 43.05 (42.75 to 43.75): VU032257.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU032257.D (-460) (-)

2.63

400

300

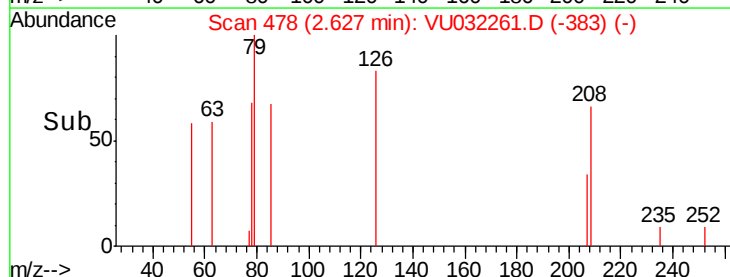
200

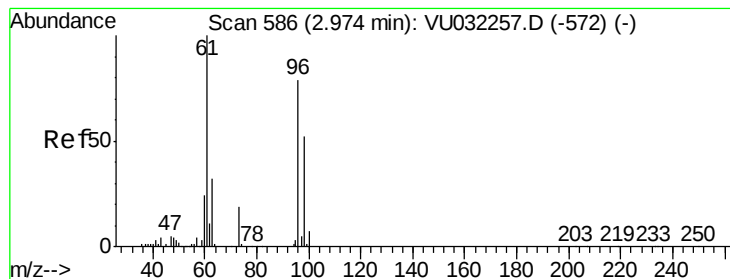
100

0

Time-->

2.60 2.65





#18

trans-1,2-Dichloroethene

Concen: 0.524 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

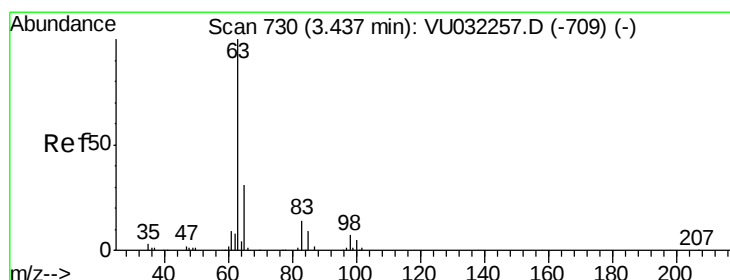
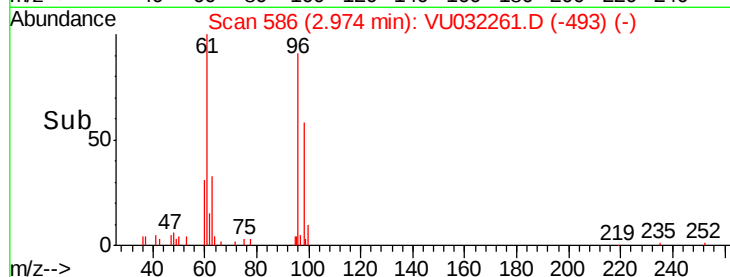
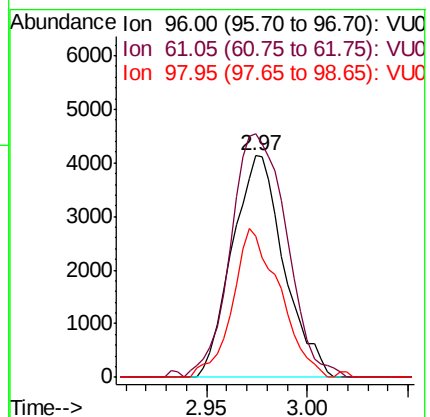
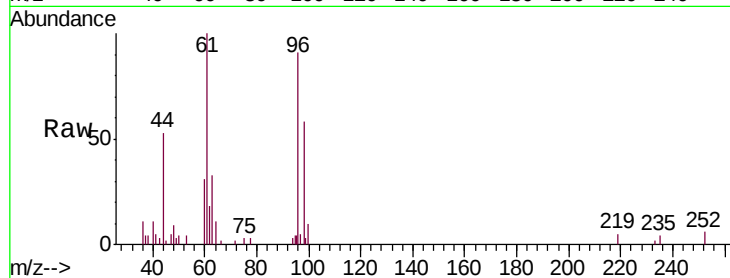
Tgt Ion: 96 Resp: 7418

Ion Ratio Lower Upper

96 100

61 109.8 90.6 168.3

98 63.8 49.5 91.9



#19

1,1-Dichloroethane

Concen: 19.930 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

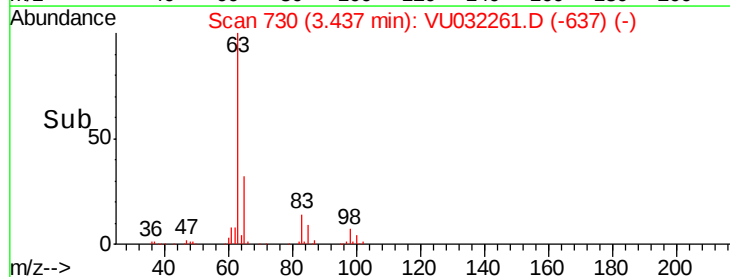
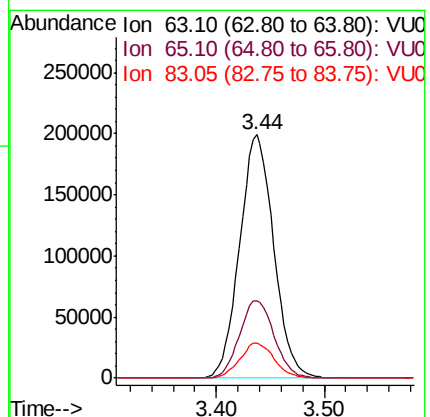
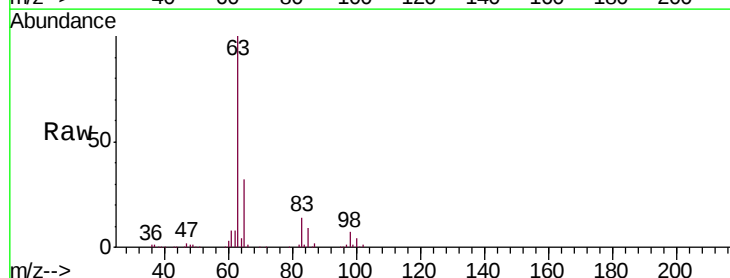
Tgt Ion: 63 Resp: 436053

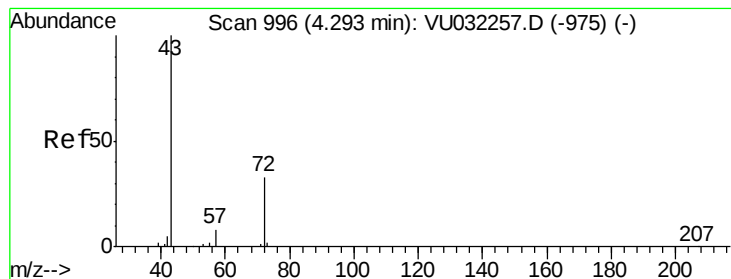
Ion Ratio Lower Upper

63 100

65 31.9 23.5 43.7

83 14.5 8.8 16.3





#21

2-Butanone

Concen: 1.234 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

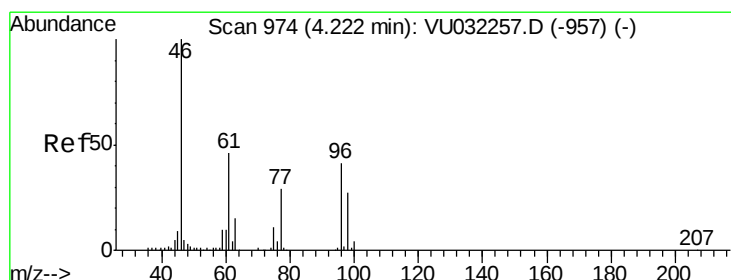
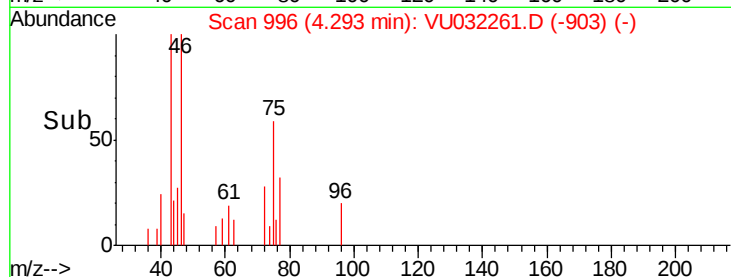
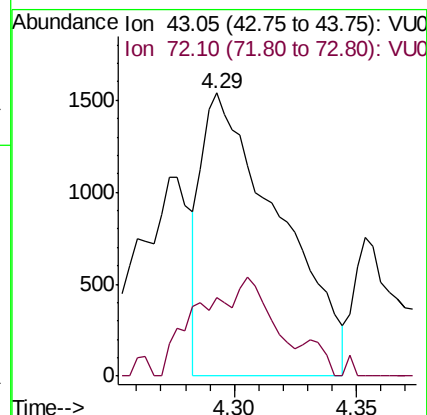
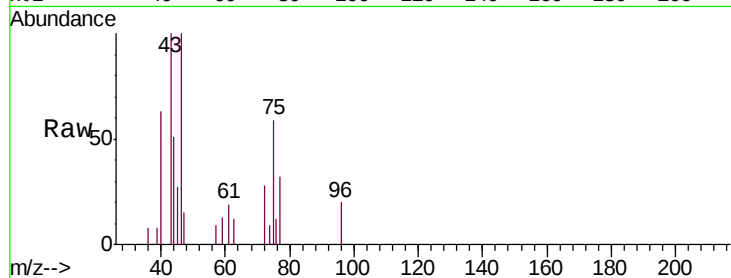
E3YF2

Tgt Ion: 43 Resp: 3388

Ion Ratio Lower Upper

43 100

72 32.9 15.2 45.6



#22

cis-1,2-Dichloroethene

Concen: 3.802 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

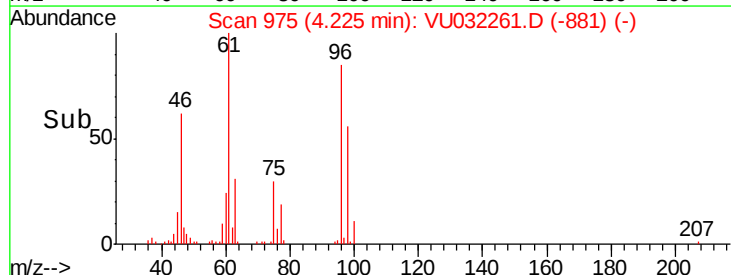
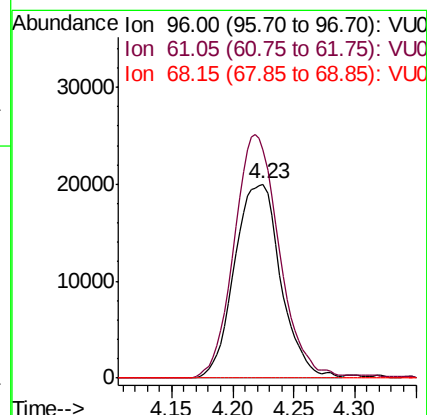
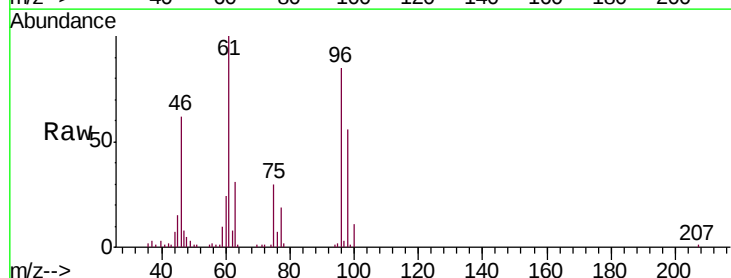
Tgt Ion: 96 Resp: 52578

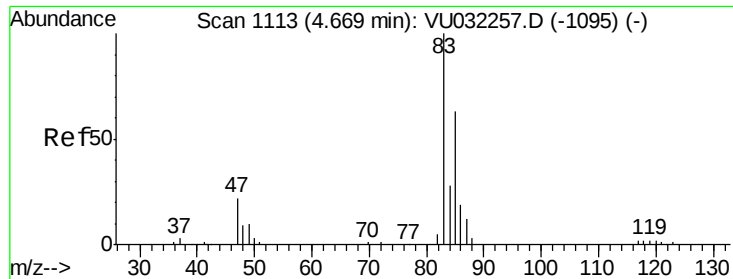
Ion Ratio Lower Upper

96 100

61 117.8 82.5 153.1

68 0.0 0.0 0.0

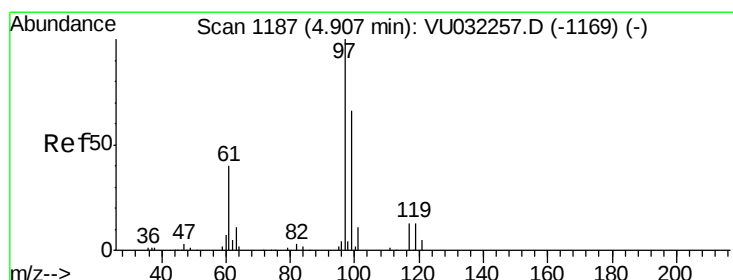
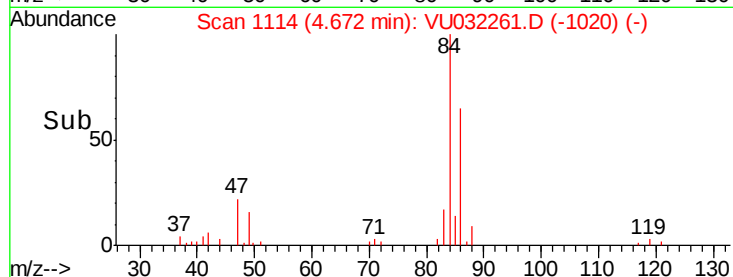
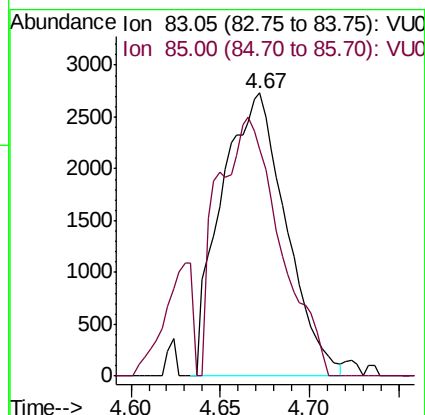
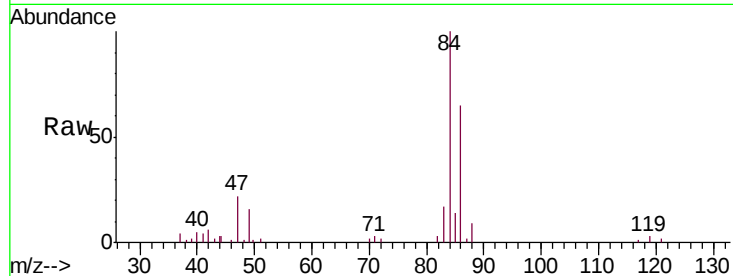




#25
Chloroform
Concen: 0.291 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

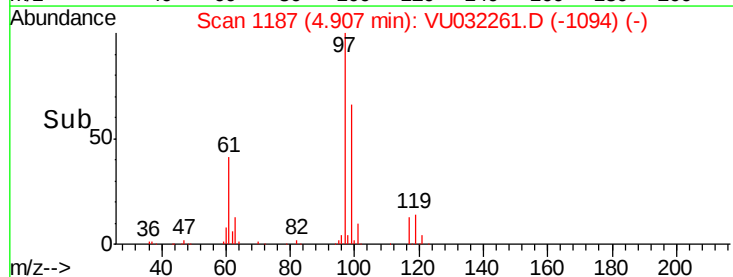
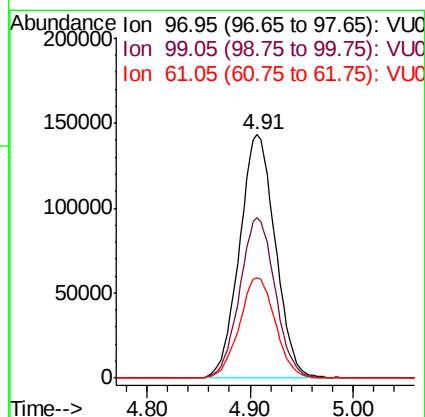
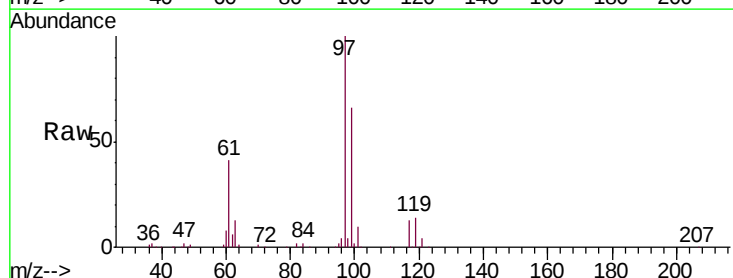
Instrument :
MSVOA_U
ClientSampleId :
E3YF2

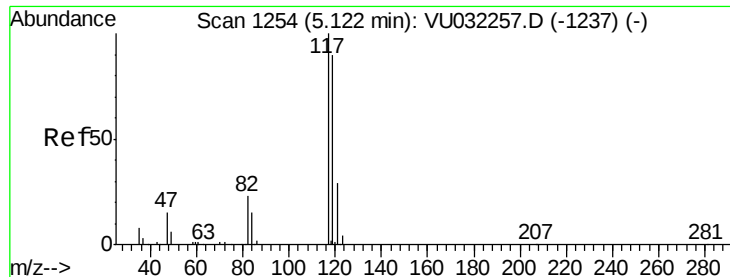
Tgt Ion: 83 Resp: 6881
Ion Ratio Lower Upper
83 100
85 80.0 41.6 77.3#



#29
1,1,1-Trichloroethane
Concen: 17.678 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

Tgt Ion: 97 Resp: 345962
Ion Ratio Lower Upper
97 100
99 65.2 50.3 75.5
61 41.4 34.1 51.1





#31

Carbon tetrachloride

Concen: 2.641 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.22 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

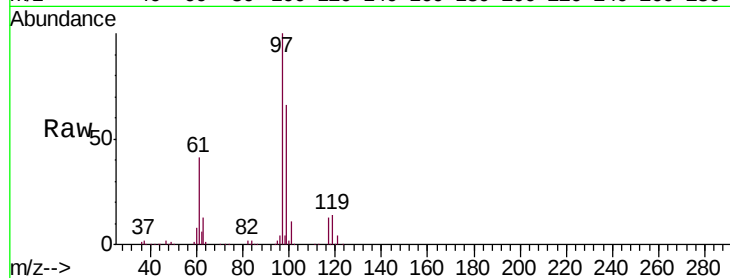
E3YF2

Tgt Ion:117 Resp: 45529

Ion Ratio Lower Upper

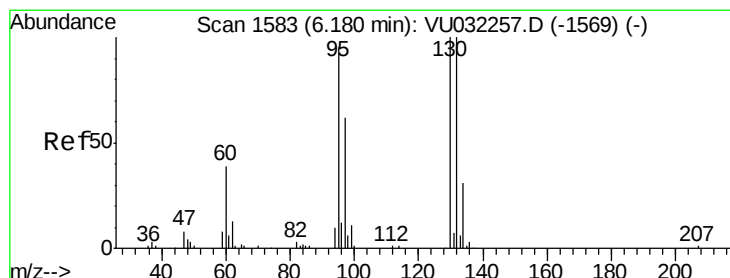
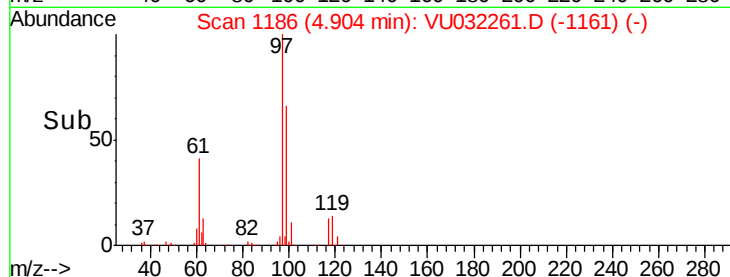
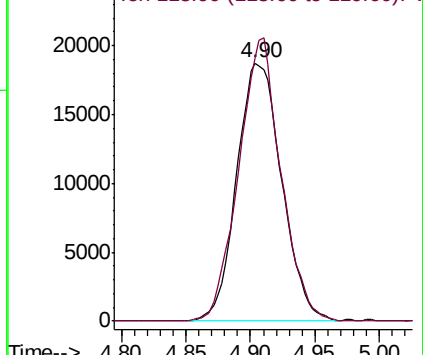
117 100

119 102.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 3.063 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Tgt Ion: 95 Resp: 41932

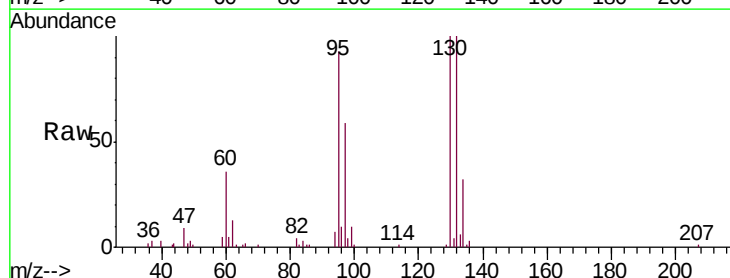
Ion Ratio Lower Upper

95 100

97 63.3 39.9 74.1

132 107.2 65.9 122.5

130 107.2 70.6 131.2

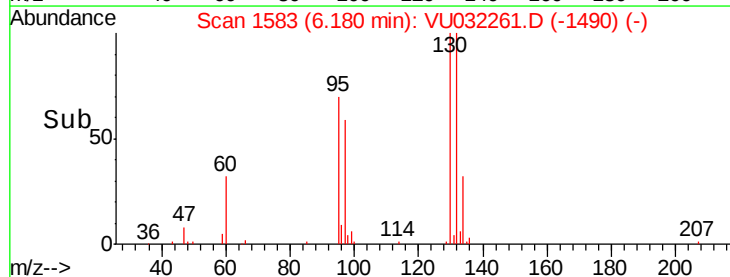
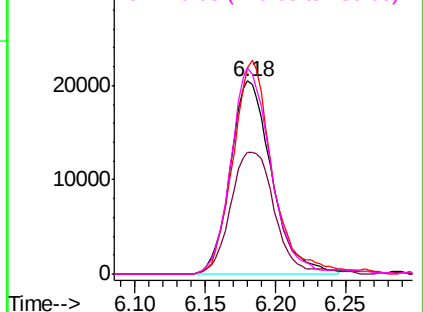


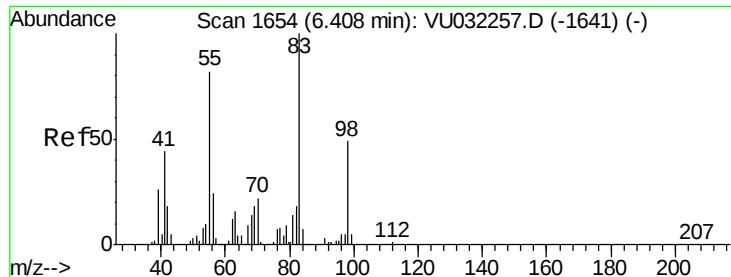
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

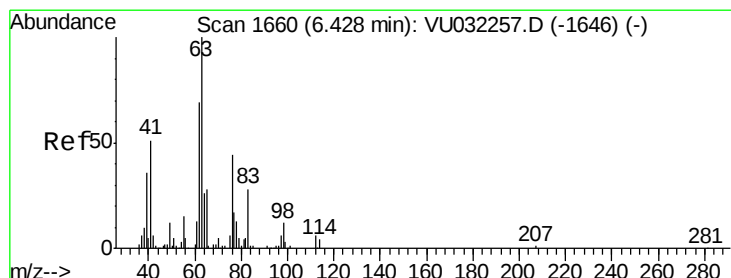
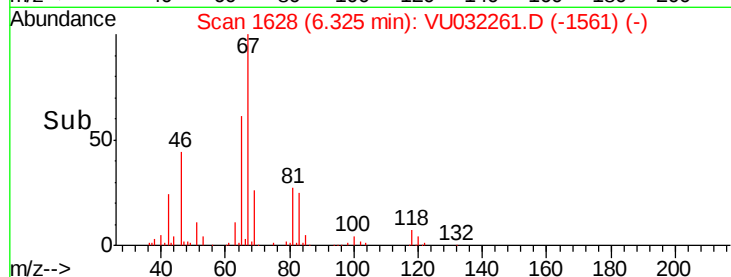
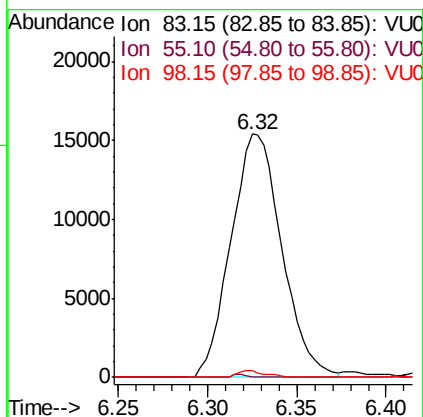
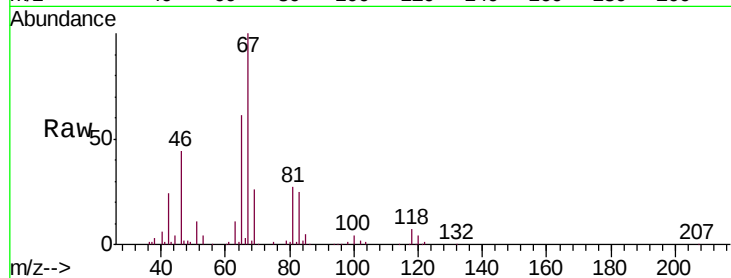




#35
Methylcyclohexane
Concen: 1.518 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

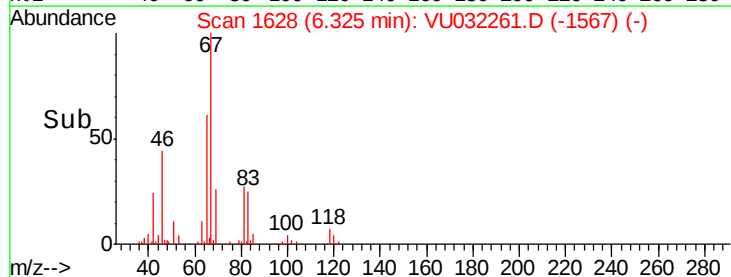
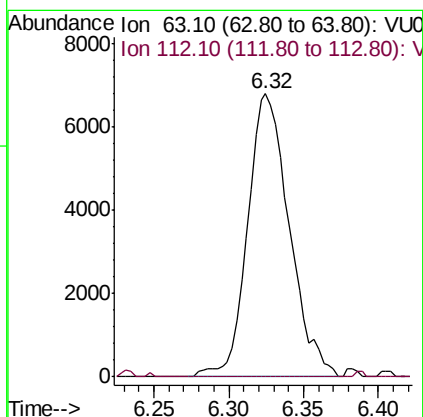
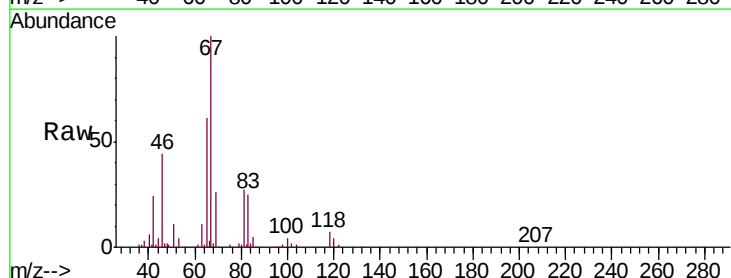
Instrument :
MSVOA_U
ClientSampled :
E3YF2

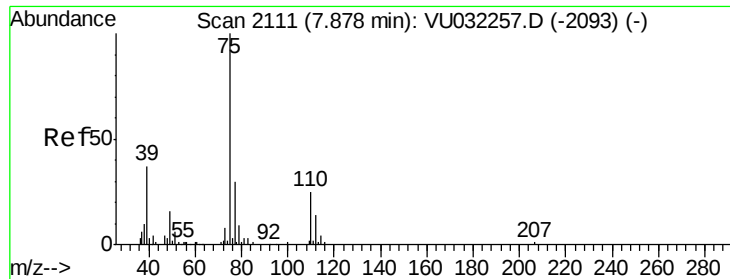
Tgt Ion: 83 Resp: 30612
Ion Ratio Lower Upper
83 100
55 0.3 59.7 89.5#
98 1.5 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 1.073 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

Tgt Ion: 63 Resp: 13179
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.8#





#44

trans-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

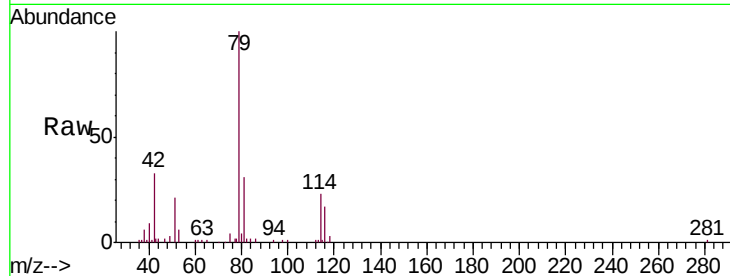
E3YF2

Tgt Ion: 75 Resp: 1771

Ion Ratio Lower Upper

75 100

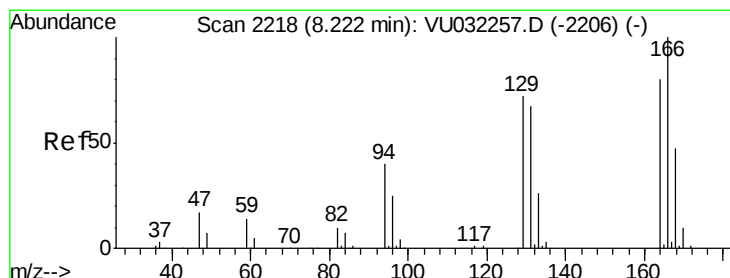
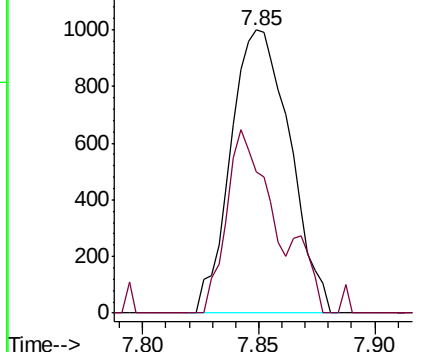
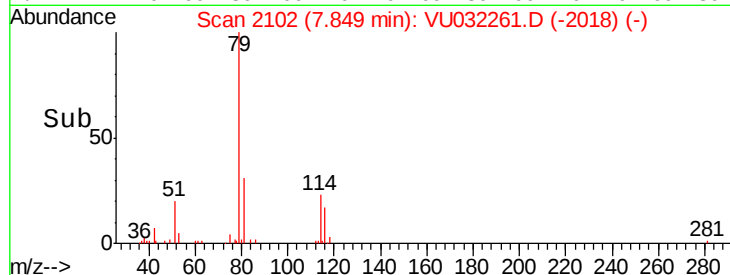
77 50.1 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU032257.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032257.D (-2093) (-)

Time-->



#47

Tetrachloroethene

Concen: 0.925 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Tgt Ion: 164 Resp: 10449

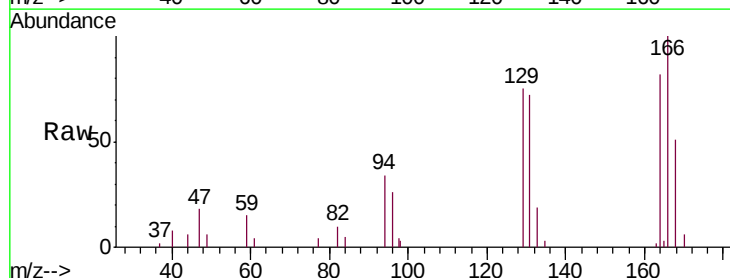
Ion Ratio Lower Upper

164 100

129 90.7 67.1 124.7

131 87.0 62.2 115.4

166 121.6 90.9 168.9



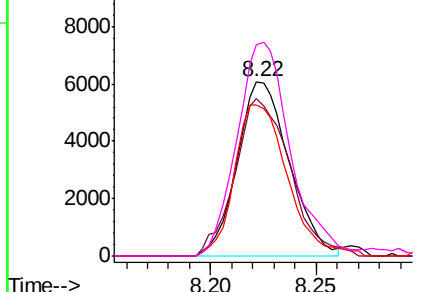
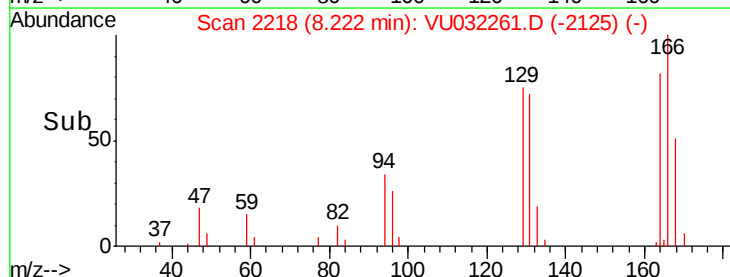
Abundance Ion 163.90 (163.60 to 164.60): VU032257.D (-2206) (-)

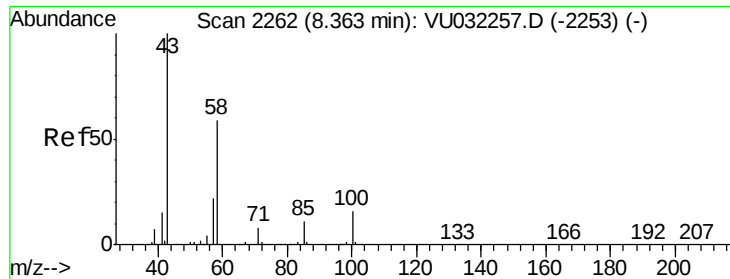
Ion 128.95 (128.65 to 129.65): VU032257.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU032257.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU032257.D (-2206) (-)

Time-->

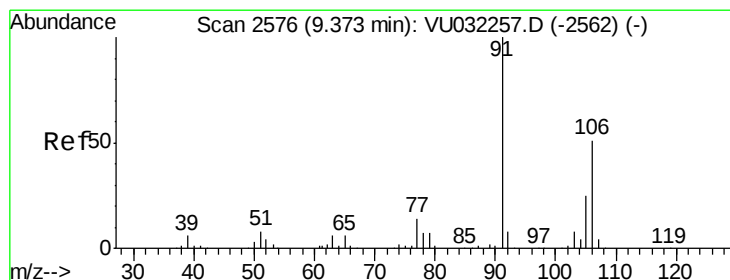
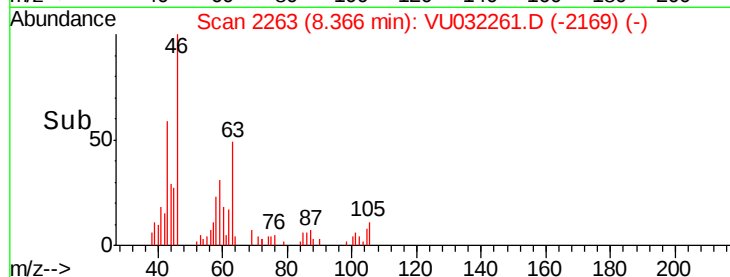
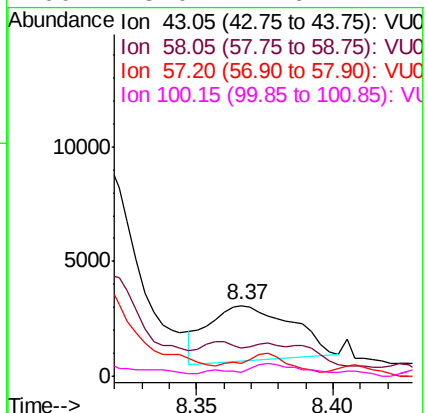
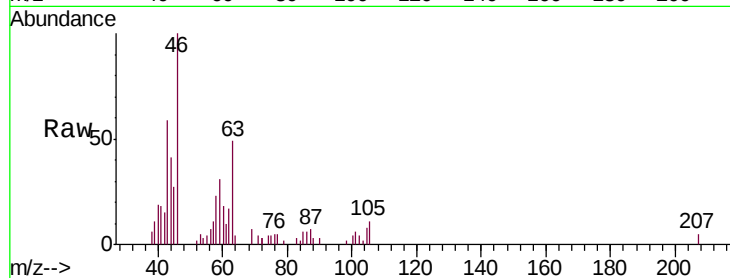




#48
2-Hexanone
Concen: 1.070 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

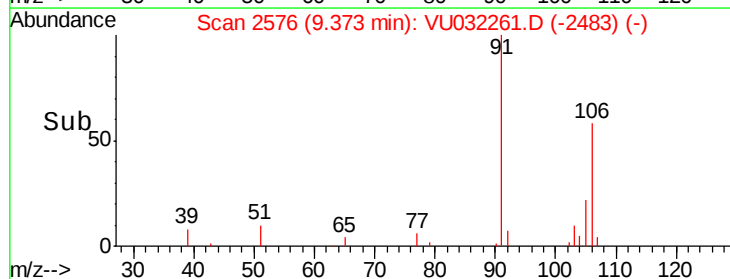
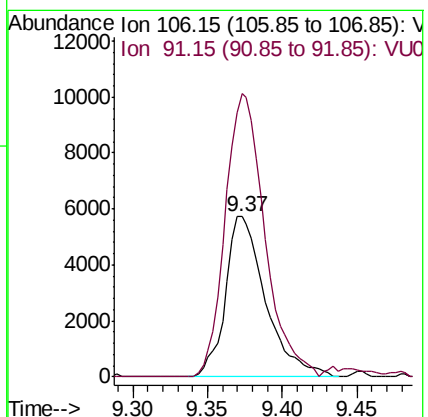
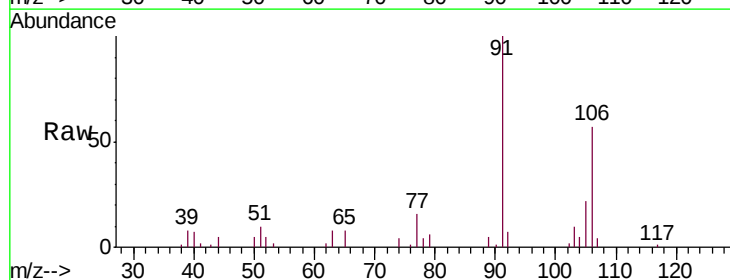
Instrument :
MSVOA_U
ClientSampleId :
E3YF2

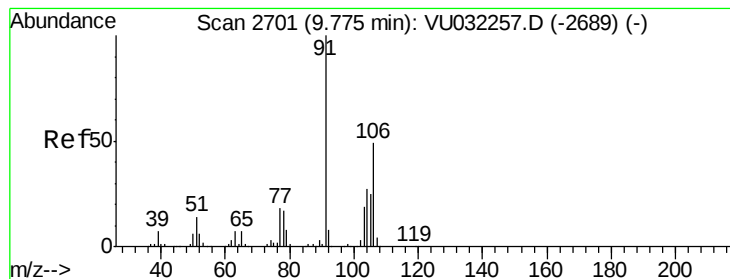
Tgt Ion: 43 Resp: 5096
Ion Ratio Lower Upper
43 100
58 51.7 49.7 74.5
57 23.0 17.1 25.7
100 8.0 11.6 17.4#



#53
m,p-Xylene
Concen: 0.528 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU032261.D
Acq: 23 May 2019 10:39

Tgt Ion: 106 Resp: 10719
Ion Ratio Lower Upper
106 100
91 176.5 143.9 267.2





#54

o-Xylene

Concen: 0.244 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

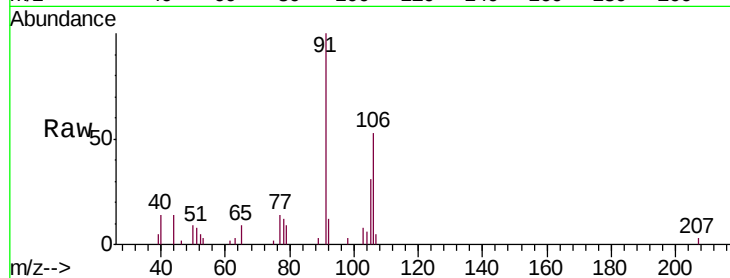
E3YF2

Tgt Ion: 106 Resp: 4936

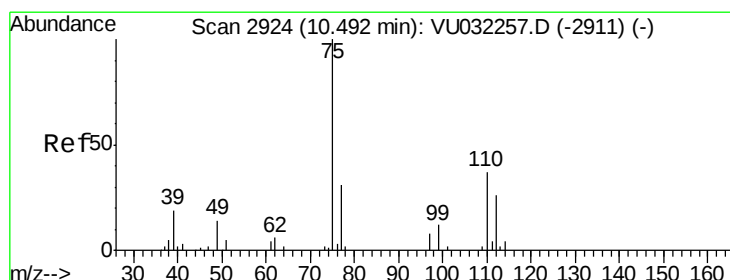
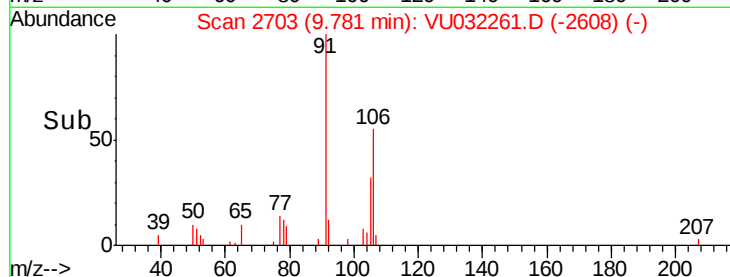
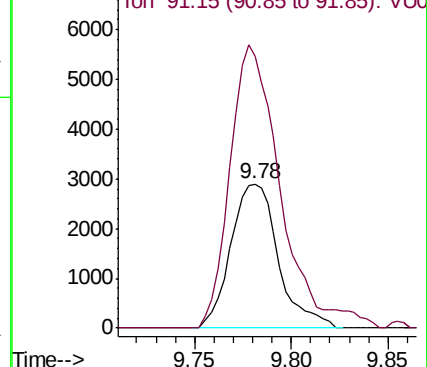
Ion Ratio Lower Upper

106 100

91 189.0 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU032257.D (-2689) (-)



#59

1,2,3-Trichloropropane

Concen: 1.892 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032261.D

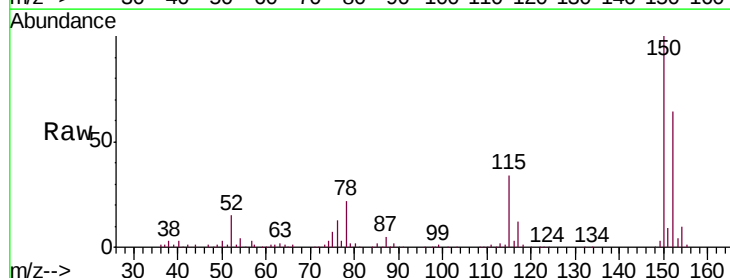
Acq: 23 May 2019 10:39

Tgt Ion: 75 Resp: 15133

Ion Ratio Lower Upper

75 100

77 40.6 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU032257.D (-2911) (-)

