

Data File : VU041323.D
Acq On : 18 Nov 2020 19:49
Operator : SY/MD
Sample : L4790-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4414

Quant Time: Nov 19 00:52:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61525	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64722	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20873	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.92	69	18779	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	33594	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.66	46	91184	48.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.08	84	50918	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	30964	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.74	84	86858	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	30391	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	69071	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.18	79	11768	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	62219	45.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26742	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26136	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
3) Chloromethane	1.52	50	513	0.094 ug/L	90
8) Chloroethane	1.92	64	9354	2.639 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	237	0.052 ug/L #	22
13) Acetone	2.66	43	3972	3.209 ug/L #	9
14) Carbon disulfide	2.81	76	1041	0.088 ug/L #	74
25) Chloroform	5.11	83	17123	1.811 ug/L	97
27) 1,2-Dichloroethane	5.74	62	399	0.059 ug/L #	74
35) Methylcyclohexane	6.70	83	7185	1.141 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3670	0.716 ug/L #	86
38) Bromodichloromethane	7.11	83	3780	0.564 ug/L #	93
39) cis-1,3-Dichloropropene	7.57	75	744	0.104 ug/L #	76
42) Toluene	7.98	91	2938	0.157 ug/L	93
44) trans-1,3-Dichloropropene	8.18	75	568	0.084 ug/L #	80
49) Dibromochloromethane	8.82	129	929	0.198 ug/L	80
52) Ethylbenzene	9.57	91	874	0.044 ug/L	84
53) m,p-Xylene	9.69	106	932	0.129 ug/L	69
54) o-Xylene	10.10	106	742	0.106 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

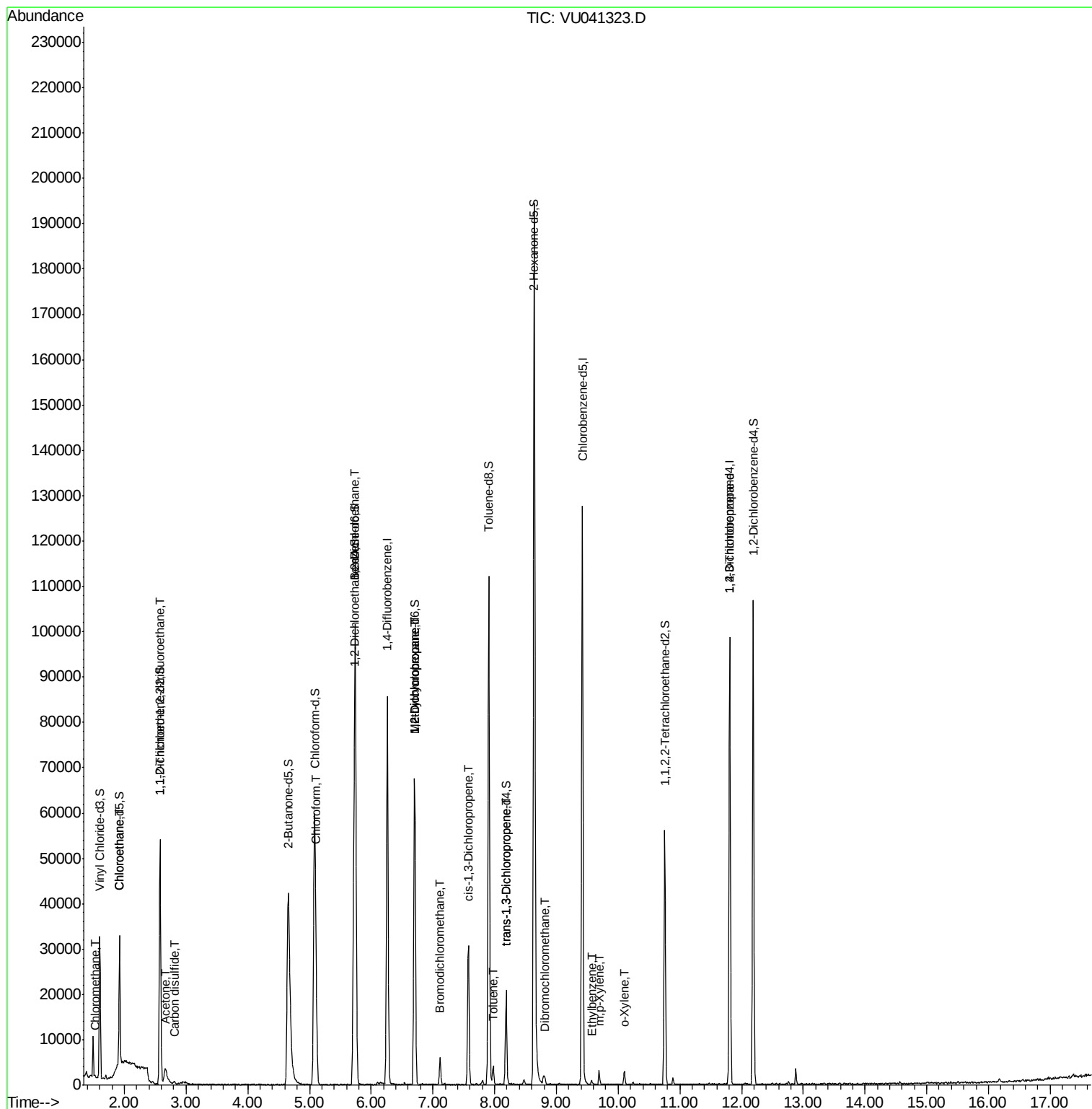
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3192	0.789	ug/L	95

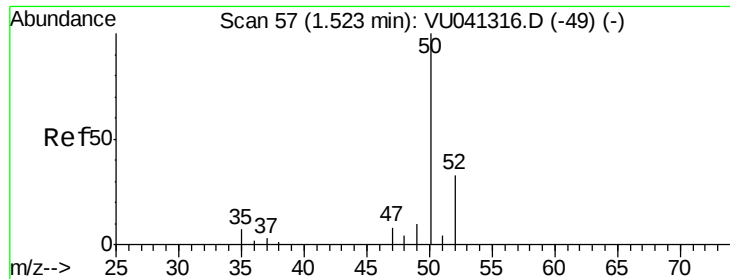
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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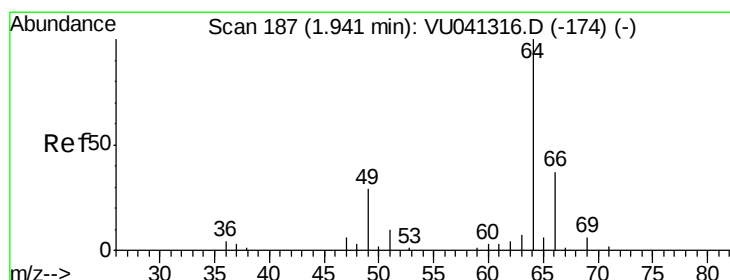
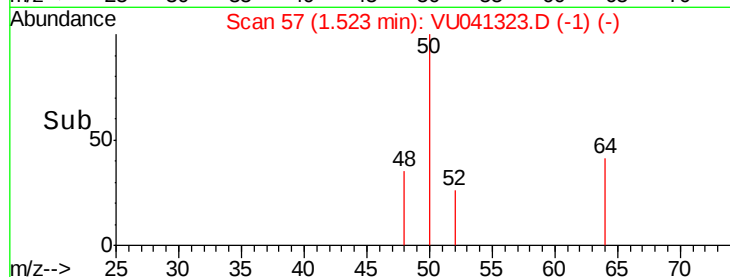
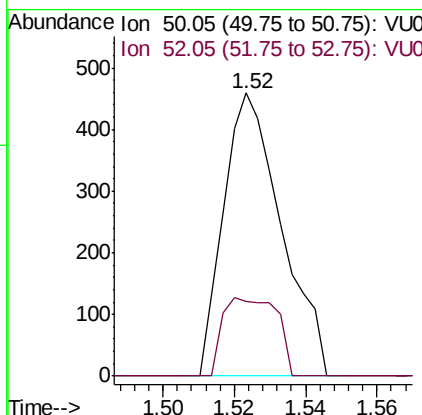
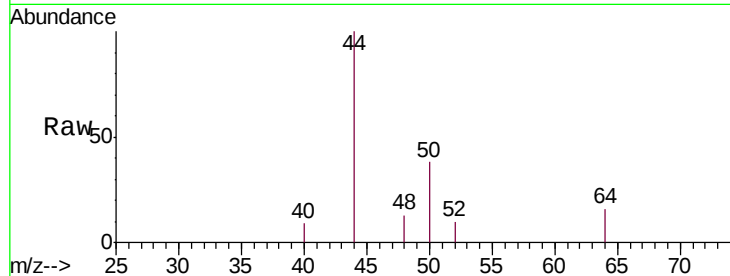




#3
 Chloromethane
 Concen: 0.094 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041323.D
 Acq: 18 Nov 2020 19:49

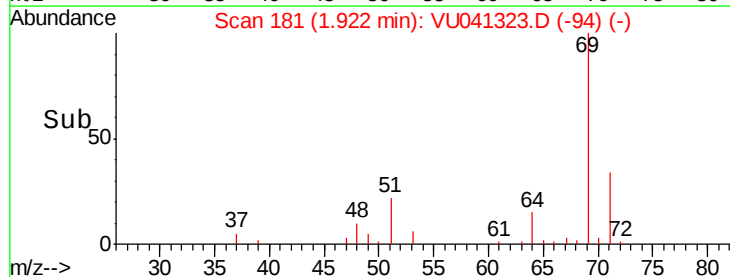
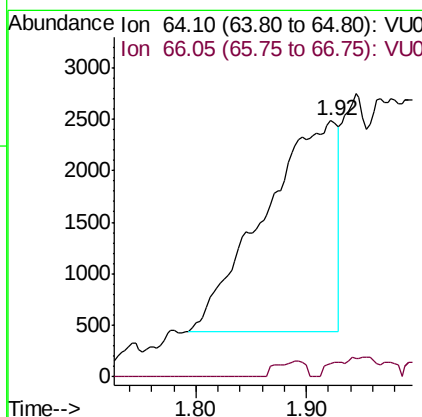
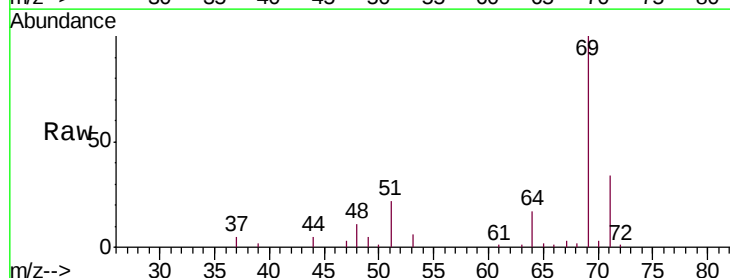
Instrument :
 MSVOA_U
 ClientSampled :
 H4414

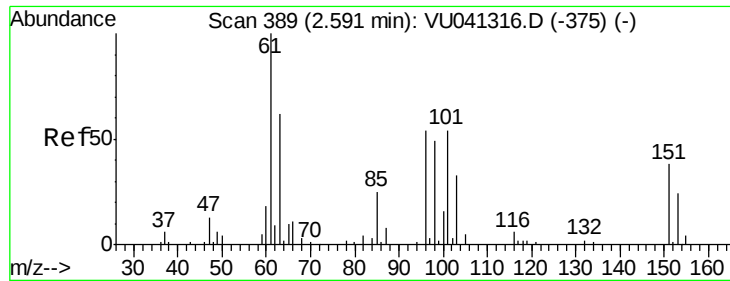
Tgt Ion: 50 Resp: 513
 Ion Ratio Lower Upper
 50 100
 52 26.4 22.4 41.6



#8
 Chloroethane
 Concen: 2.639 ug/L
 RT: 1.92 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VU041323.D
 Acq: 18 Nov 2020 19:49

Tgt Ion: 64 Resp: 9354
 Ion Ratio Lower Upper
 64 100
 66 5.0 22.3 41.5#





#10

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

Concen: 0.052 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041323.D

Acq: 18 Nov 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

H4414

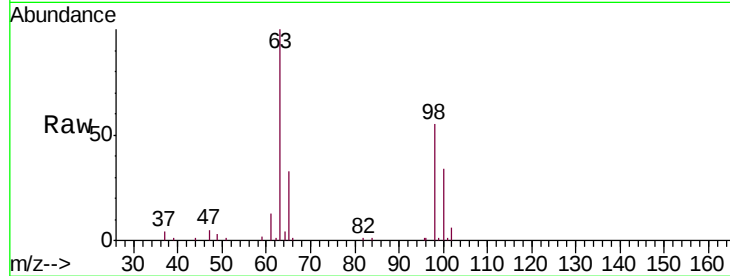
Tgt Ion: 101 Resp: 237

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



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

250

200

150

100

50

0

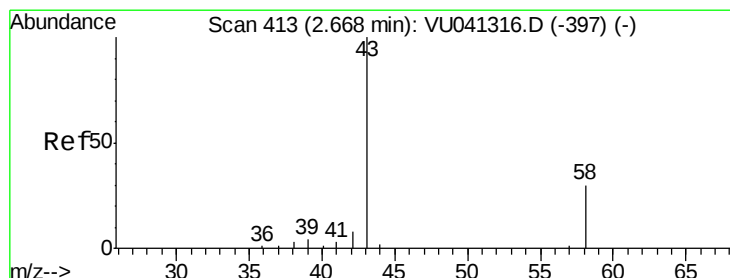
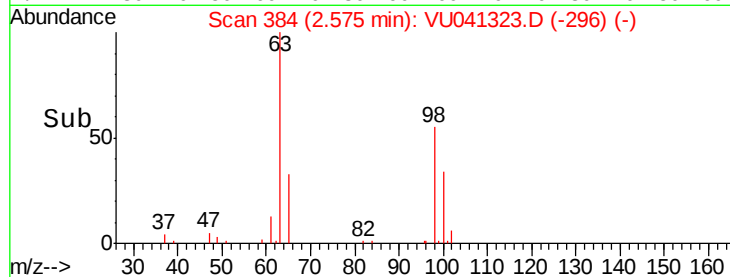
2.56

2.57

2.58

2.60

Time-->



#13

Acetone

Concen: 3.209 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041323.D

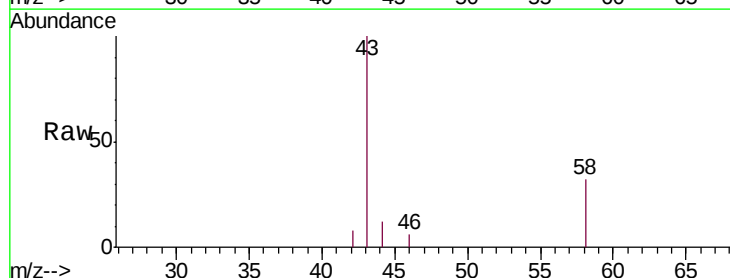
Acq: 18 Nov 2020 19:49

Tgt Ion: 43 Resp: 3972

Ion Ratio Lower Upper

43 100

58 48.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2500

2000

1500

1000

500

0

2.60

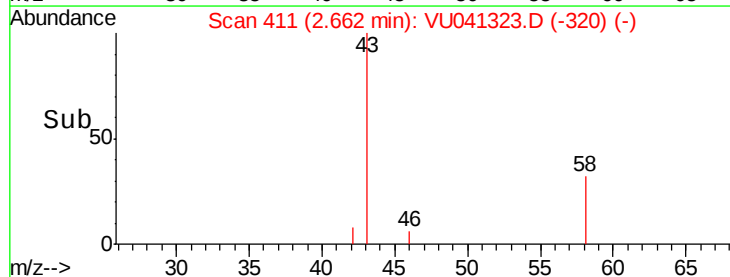
2.62

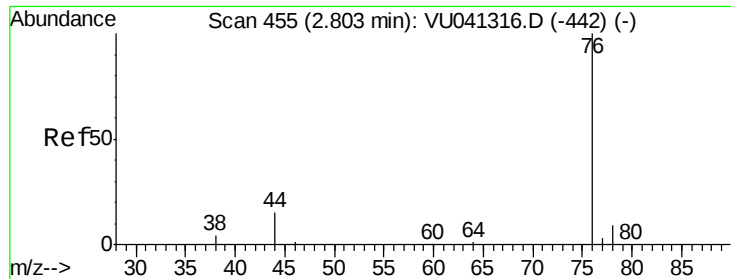
2.64

2.66

2.68

Time-->

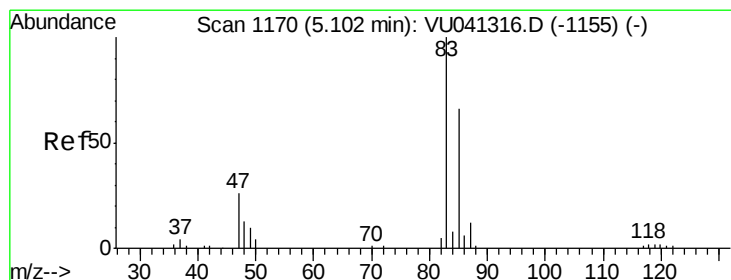
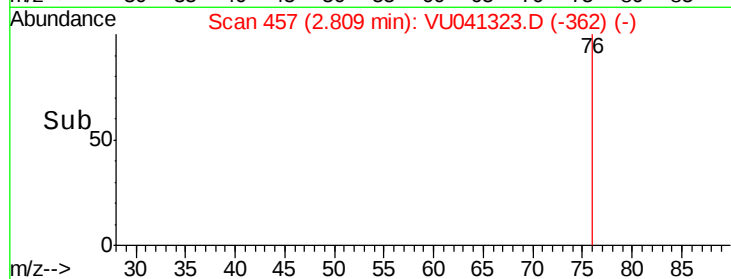
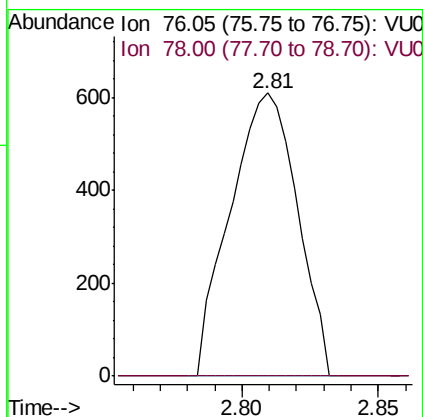
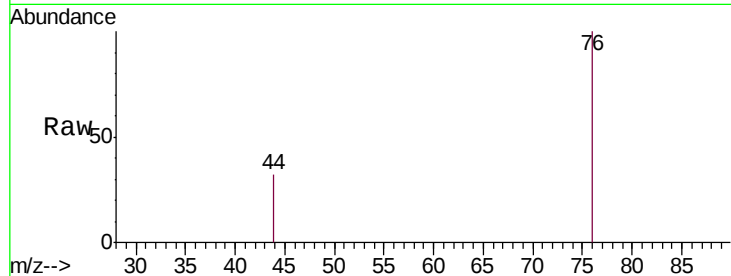




#14
Carbon disulfide
Concen: 0.088 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.01 min
Lab File: VU041323.D
Acq: 18 Nov 2020 19:49

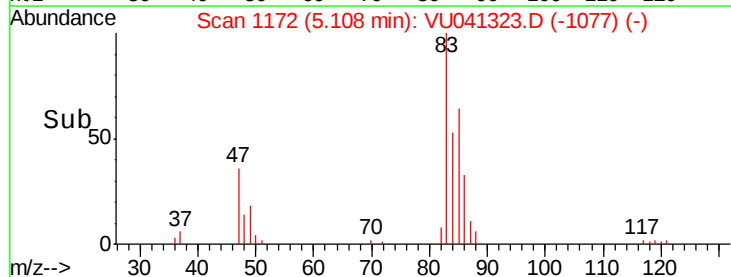
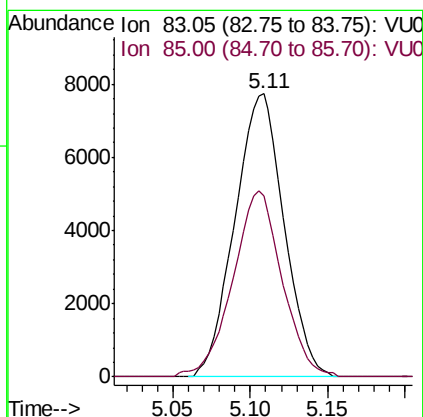
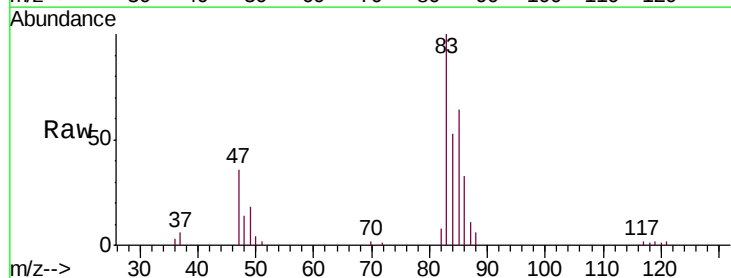
Instrument :
MSVOA_U
ClientSampleId :
H4414

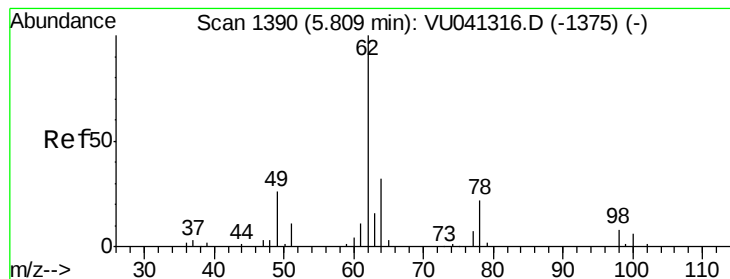
Tgt Ion: 76 Resp: 1041
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#25
Chloroform
Concen: 1.811 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041323.D
Acq: 18 Nov 2020 19:49

Tgt Ion: 83 Resp: 17123
Ion Ratio Lower Upper
83 100
85 63.8 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.059 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041323.D

Acq: 18 Nov 2020 19:49

Instrument :

MSVOA_U

ClientSampled :

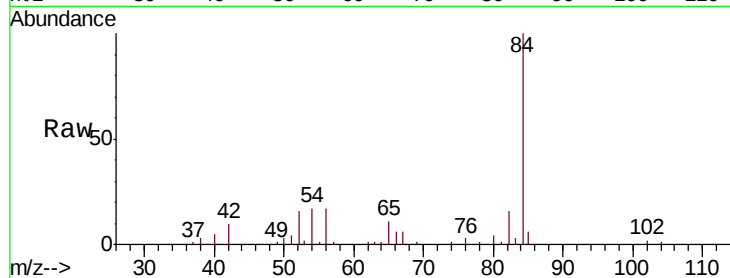
H4414

Tgt Ion: 62 Resp: 399

Ion Ratio Lower Upper

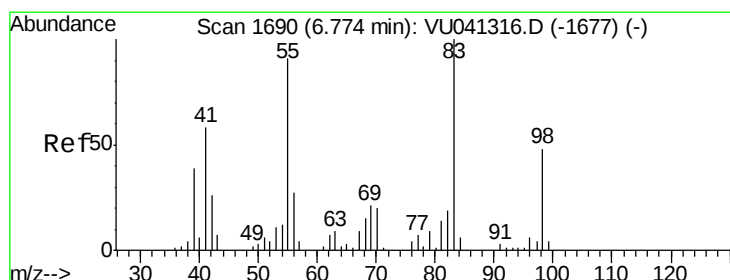
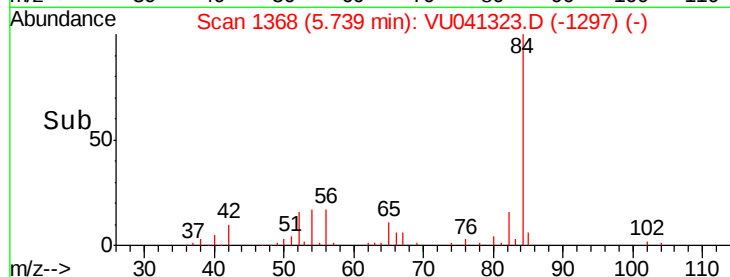
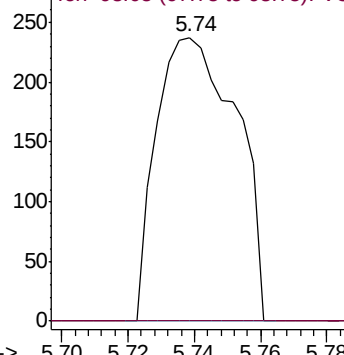
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 1.141 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041323.D

Acq: 18 Nov 2020 19:49

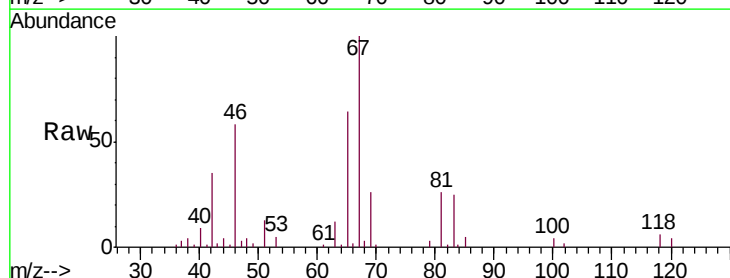
Tgt Ion: 83 Resp: 7185

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

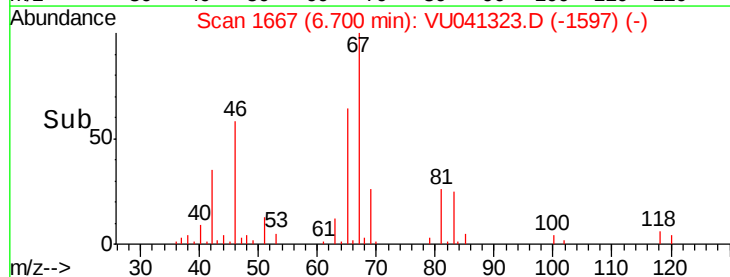
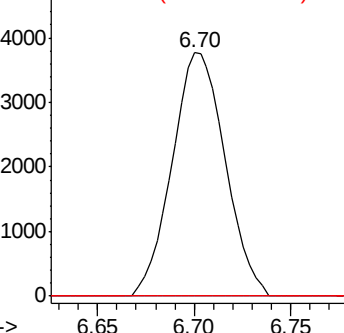
98 0.0 36.6 55.0#

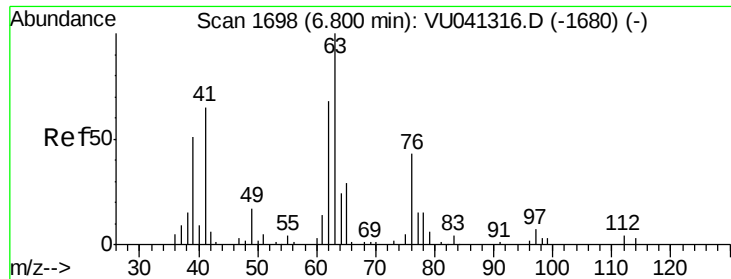


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

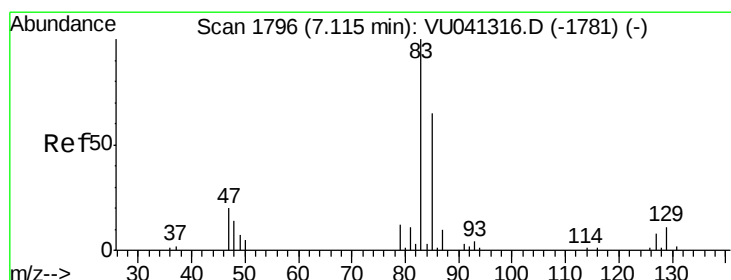
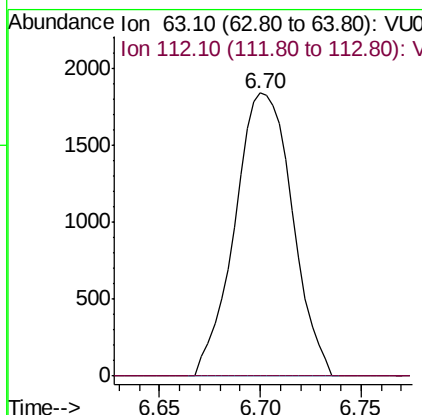
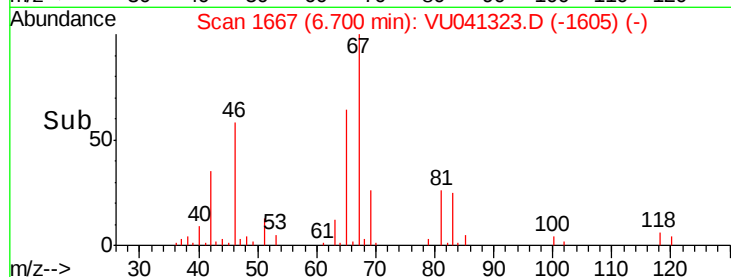
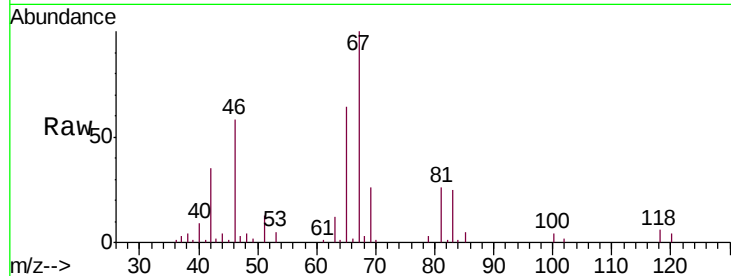




#37
 1,2-Dichloropropane
 Concen: 0.716 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041323.D
 Acq: 18 Nov 2020 19:49

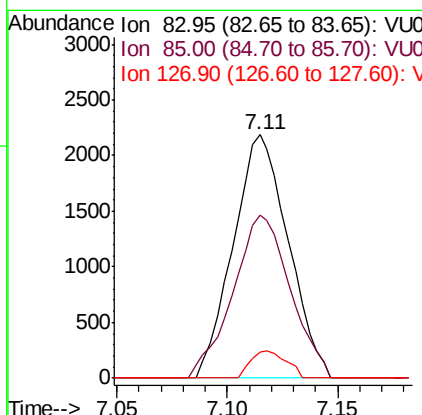
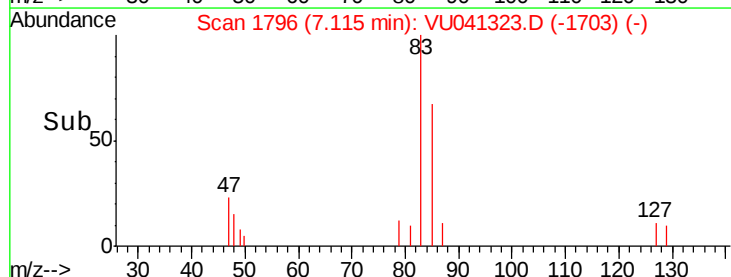
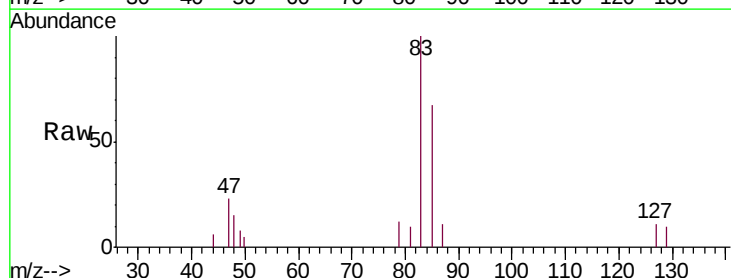
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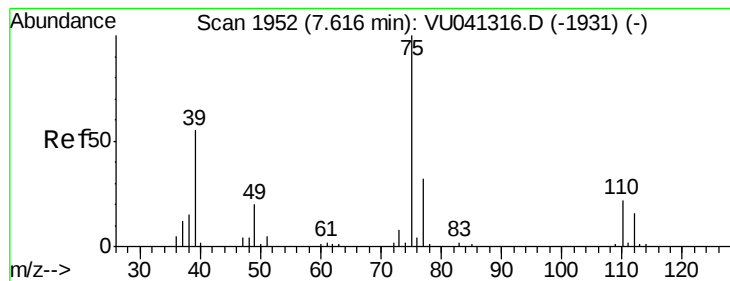
Tgt Ion: 63 Resp: 3670
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.564 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041323.D
 Acq: 18 Nov 2020 19:49

Tgt Ion: 83 Resp: 3780
 Ion Ratio Lower Upper
 83 100
 85 66.8 43.3 80.3
 127 10.5 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041323.D

Acq: 18 Nov 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

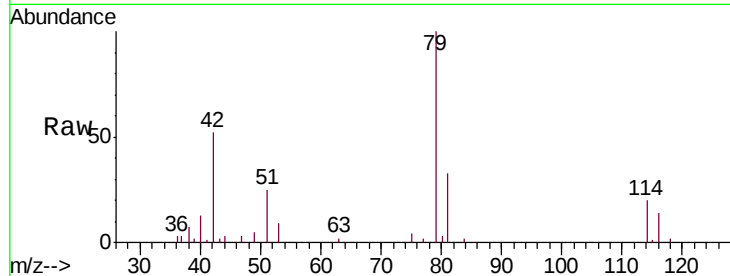
H4414

Tgt Ion: 75 Resp: 744

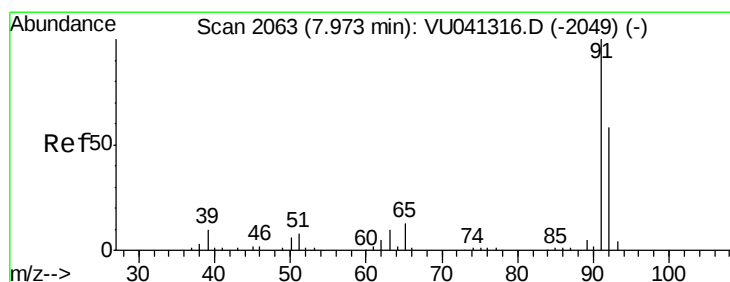
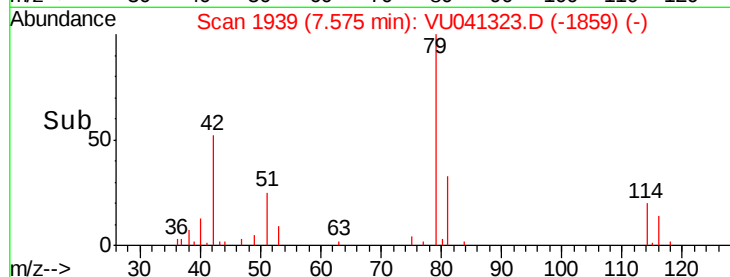
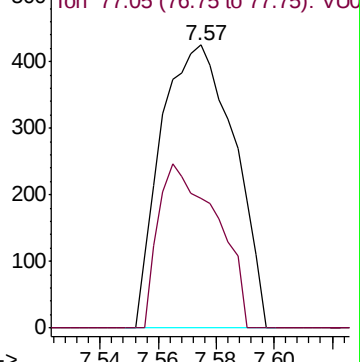
Ion Ratio Lower Upper

75 100

77 45.9 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041323.D (-1931) (-)



#42

Toluene

Concen: 0.157 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041323.D

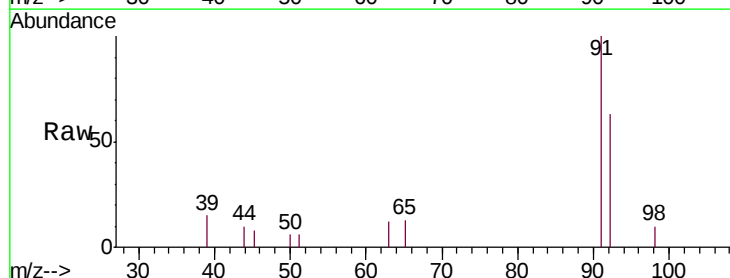
Acq: 18 Nov 2020 19:49

Tgt Ion: 91 Resp: 2938

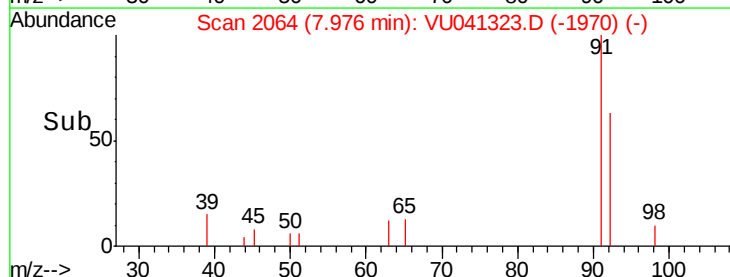
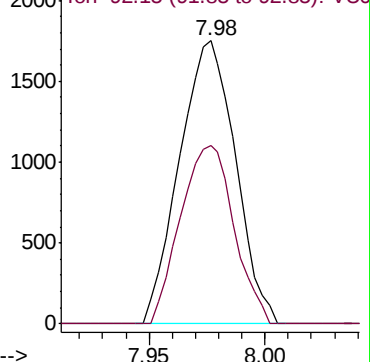
Ion Ratio Lower Upper

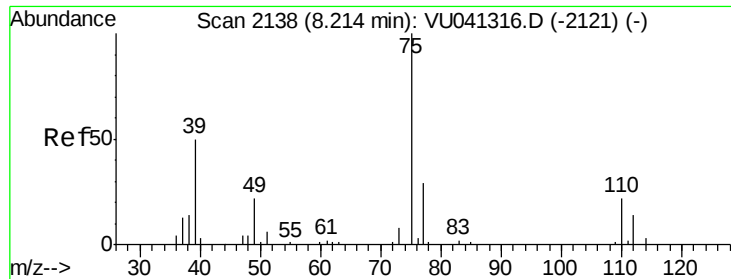
91 100

92 63.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041323.D (-1970) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041323.D

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ClientSampleId :

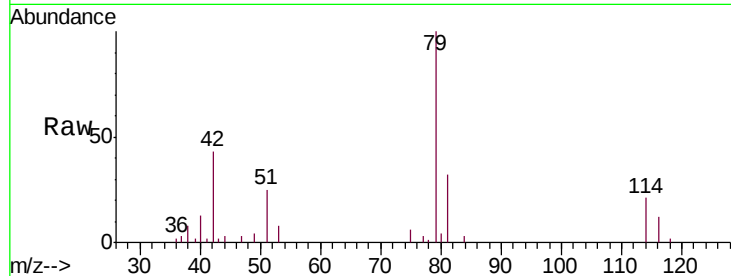
H4414

Tgt Ion: 75 Resp: 568

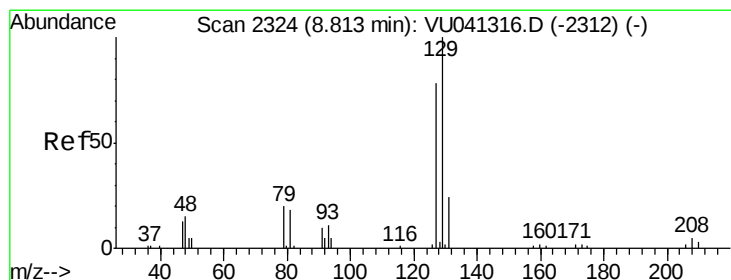
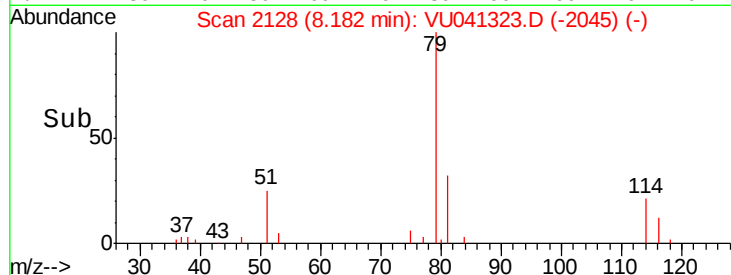
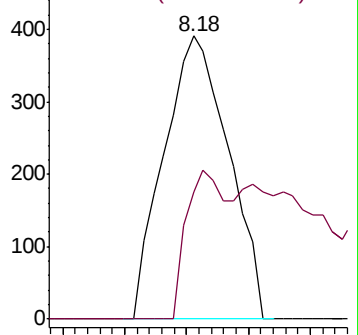
Ion Ratio Lower Upper

75 100

77 44.8 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041316.D (-2121) (-)



#49

Dibromochloromethane

Concen: 0.198 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041323.D

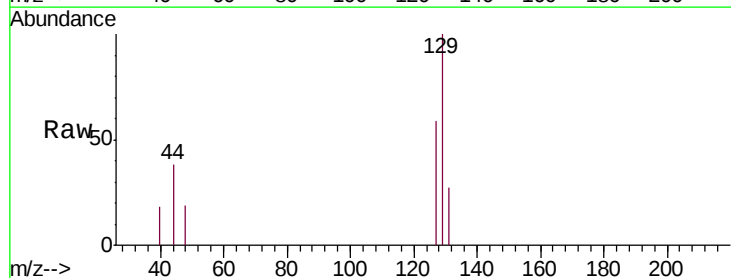
Acq: 18 Nov 2020 19:49

Tgt Ion: 129 Resp: 929

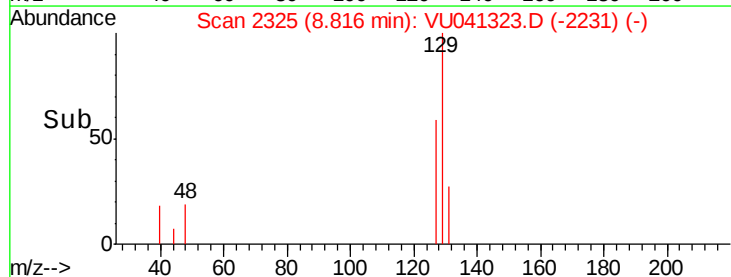
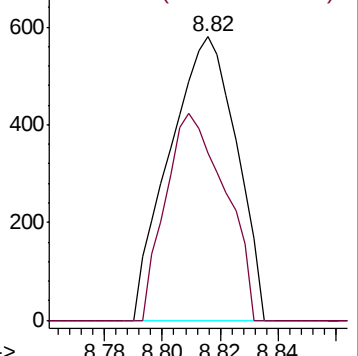
Ion Ratio Lower Upper

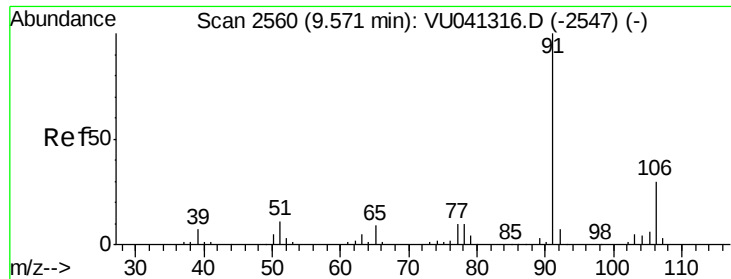
129 100

127 59.0 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041316.D (-2312) (-)





#52

Ethylbenzene

Concen: 0.044 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041323.D

Acq: 18 Nov 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

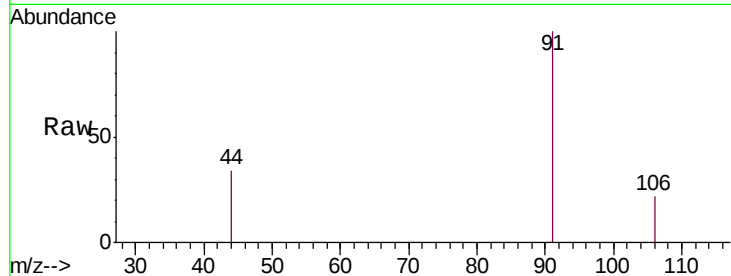
H4414

Tgt Ion: 91 Resp: 874

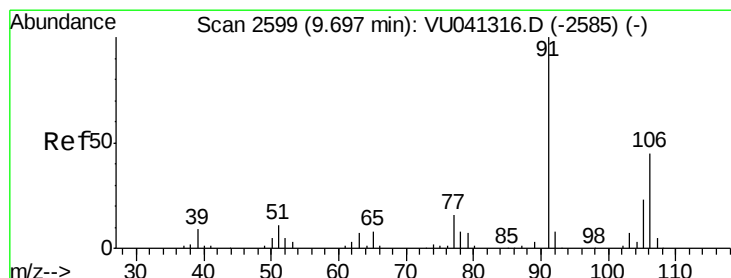
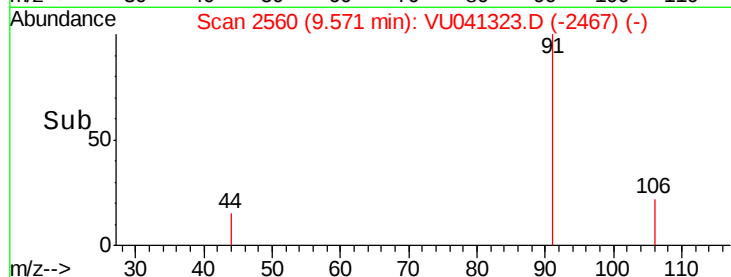
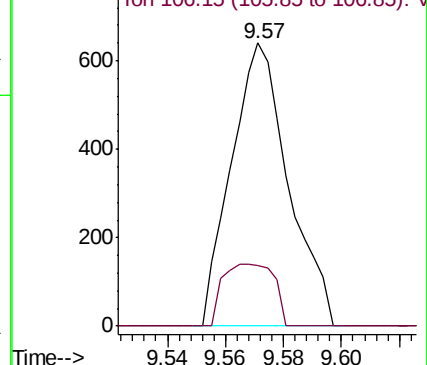
Ion Ratio Lower Upper

91 100

106 21.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041323.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.129 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041323.D

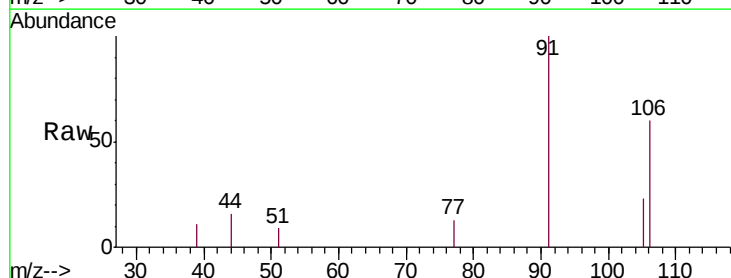
Acq: 18 Nov 2020 19:49

Tgt Ion: 106 Resp: 932

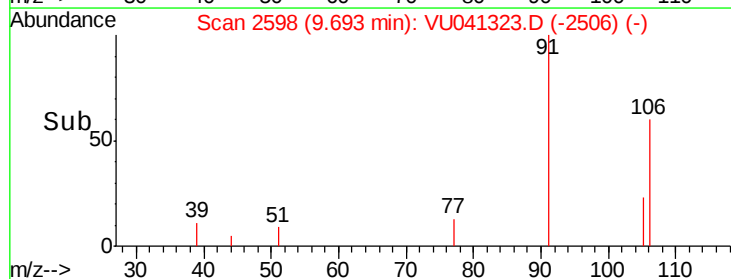
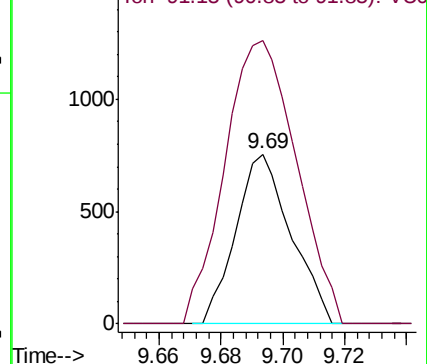
Ion Ratio Lower Upper

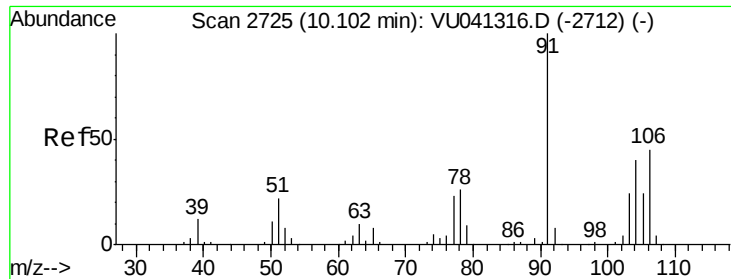
106 100

91 166.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041323.D (-2598) (-)

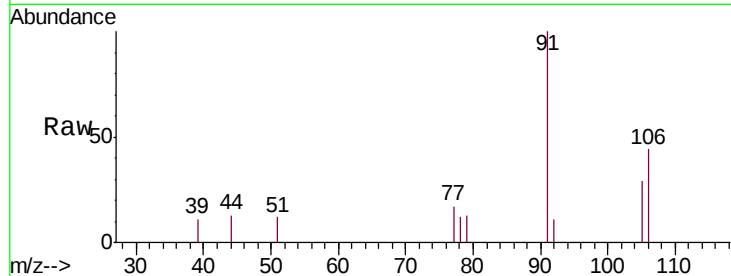




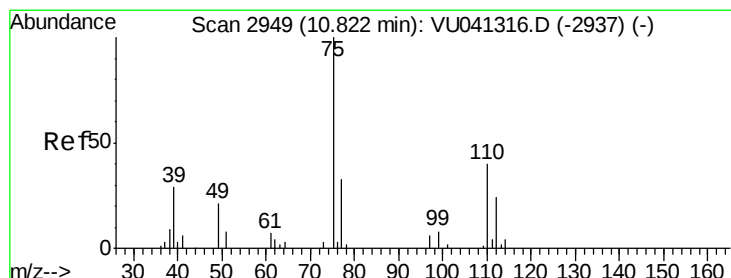
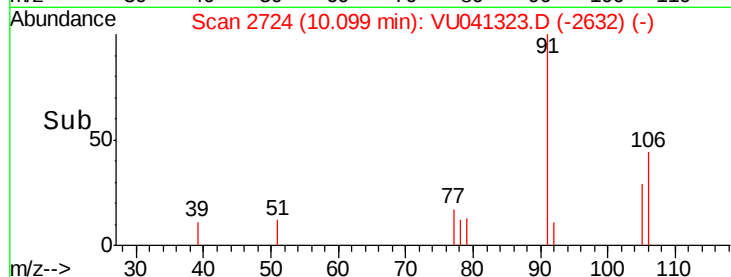
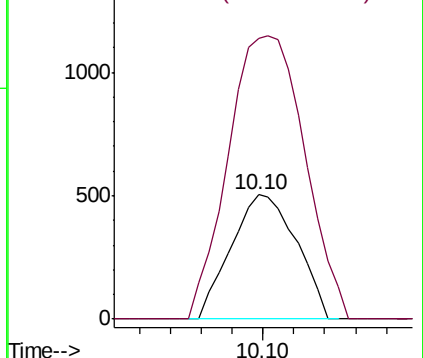
#54
o-Xylene
Concen: 0.106 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041323.D
Acq: 18 Nov 2020 19:49

Instrument :
MSVOA_U
ClientSampleId :
H4414

Tgt Ion: 106 Resp: 742
Ion Ratio Lower Upper
106 100
91 225.8 154.3 286.5

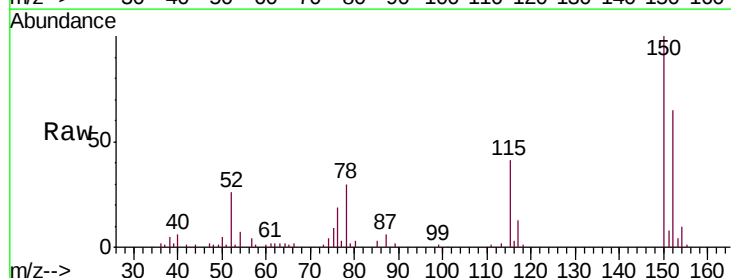


Abundance Ion 106.15 (105.85 to 106.85): VU041323.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU041323.D (-2632) (-)



#59
1,2,3-Trichloropropane
Concen: 0.789 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041323.D
Acq: 18 Nov 2020 19:49

Tgt Ion: 75 Resp: 3192
Ion Ratio Lower Upper
75 100
77 34.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041323.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU041323.D (-2327) (-)

