

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040617.D
 Acq On : 10 Oct 2020 04:47
 Operator : SY/MD
 Sample : L4352-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ08

Quant Time: Oct 10 06:09:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132973	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135928	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46228	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.92	69	40032	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.58	63	71686	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.66	46	188166	53.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.74%
24) Chloroform-d	5.08	84	94538	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	58912	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.75	84	176508	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	60562	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	142249	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	23267	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	134179	50.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53047	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	58954	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1821	0.162	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	663	0.060	ug/L #	20
13) Acetone	2.67	43	27941	10.223	ug/L	69
15) Methyl Acetate	2.97	43	1346	0.216	ug/L #	63
16) Methylene chloride	3.06	84	4010	0.329	ug/L	90
21) 2-Butanone	4.75	43	4124	0.968	ug/L #	70
25) Chloroform	5.10	83	2500	0.119	ug/L	89
27) 1,2-Dichloroethane	5.81	62	29815	2.009	ug/L	98
35) Methylcyclohexane	6.70	83	13890	0.865	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	6979	0.574	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1813	0.109	ug/L #	28
40) 4-Methyl-2-pentanone	7.80	43	4757	0.490	ug/L #	85
42) Toluene	7.98	91	1745	0.039	ug/L	86
44) trans-1,3-Dichloropropene	8.19	75	1030	0.067	ug/L #	51
48) 2-Hexanone	8.64	43	25129	3.479	ug/L #	69
52) Ethylbenzene	9.57	91	28368	0.589	ug/L	99
53) m,p-Xylene	9.69	106	43478	2.477	ug/L	92

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QLast Update : Sat Oct 10 05:58:50 2020
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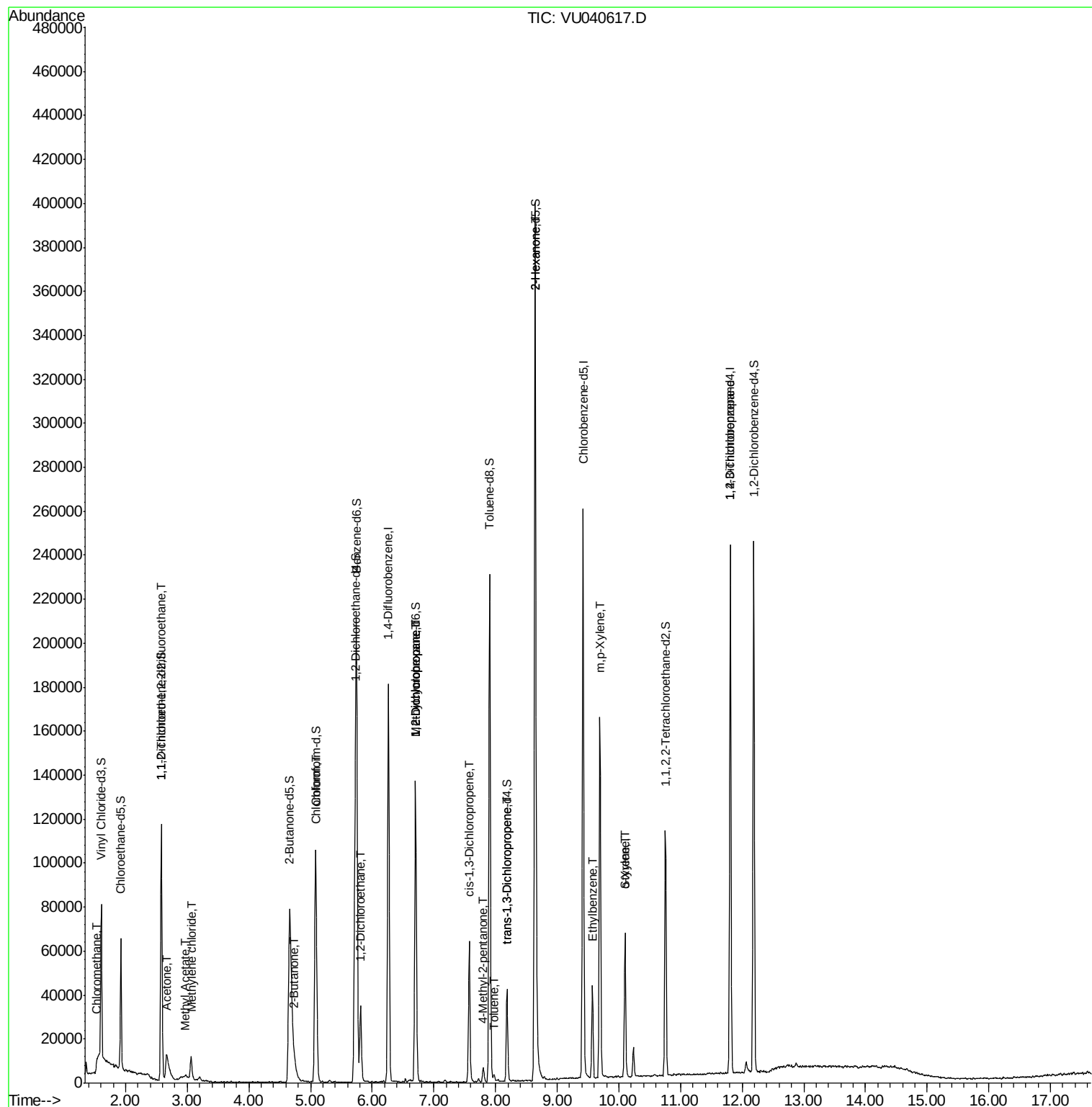
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.10	106	16191	0.959	uq/L	97
55) Styrene	10.10	104	1560	0.053	uq/L #	1
59) 1,2,3-Trichloropropane	11.81	75	7876	0.881	uq/L	90

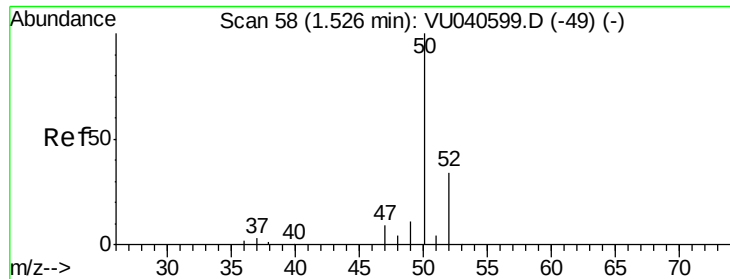
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.162 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

Instrument :

MSVOA_U

ClientSampleId :

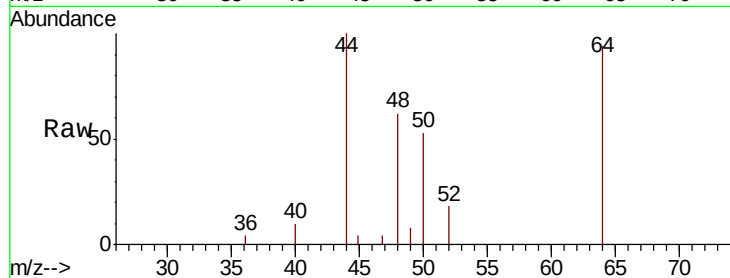
ETZ08

Tot Ion: 50 Resp: 1821

Ion Ratio Lower Upper

50 100

52 33.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040617.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040617.D (-1) (-)

1.53

1500

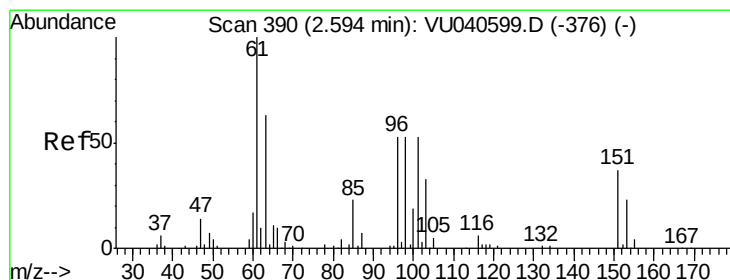
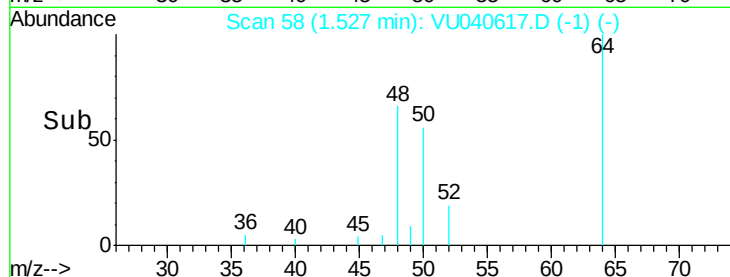
1000

500

0

1.48 1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

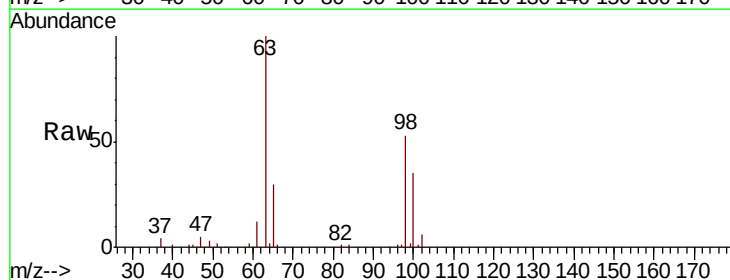
Tgt Ion: 101 Resp: 663

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040617.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040617.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040617.D (-297) (-)

2.58

500

400

300

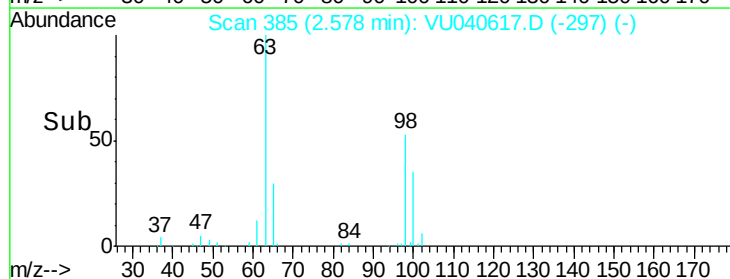
200

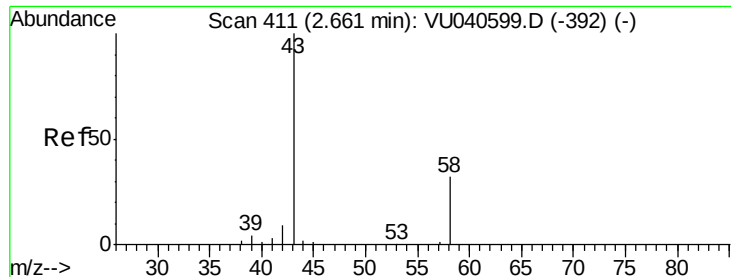
100

0

2.54 2.56 2.58 2.60 2.62

Time-->





#13

Acetone

Concen: 10.223 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

Instrument :

MSVOA_U

ClientSampleId :

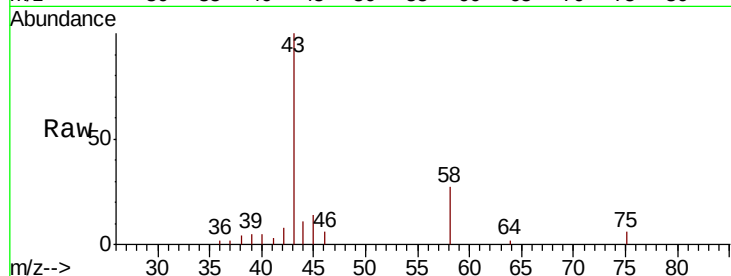
ETZ08

Tot Ion: 43 Resp: 27941

Ion Ratio Lower Upper

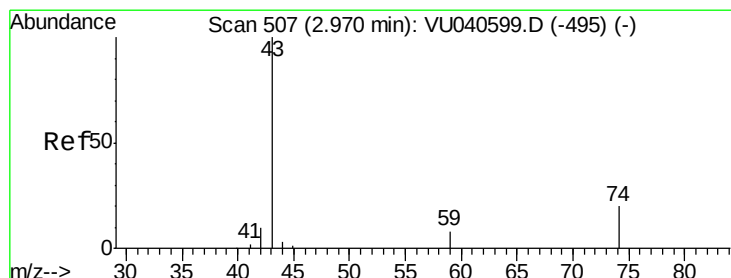
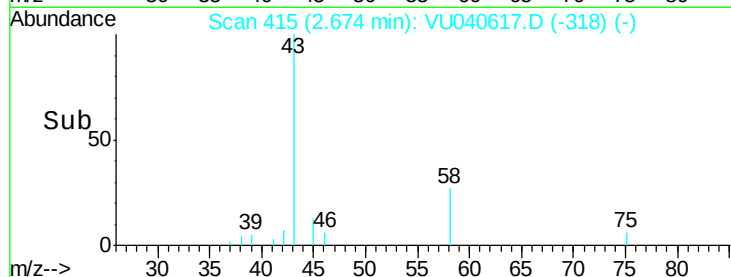
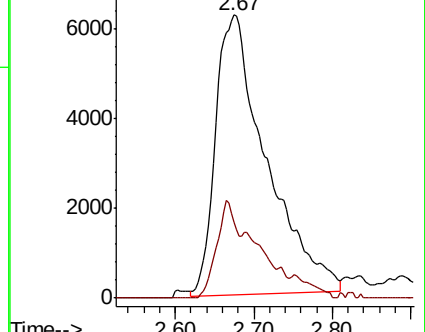
43 100

58 13.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040617.D (-415) (-)

Ion 58.05 (57.75 to 58.75): VU040617.D (-415) (-)



#15

Methyl Acetate

Concen: 0.216 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040617.D

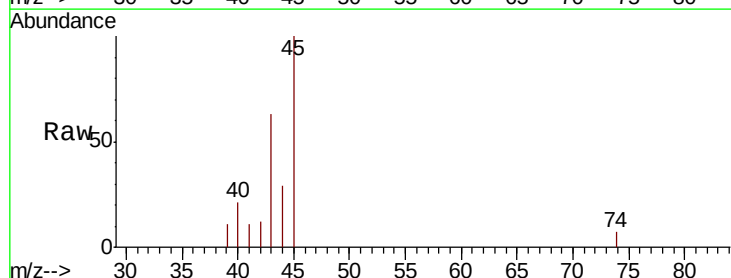
Acq: 10 Oct 2020 04:47

Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

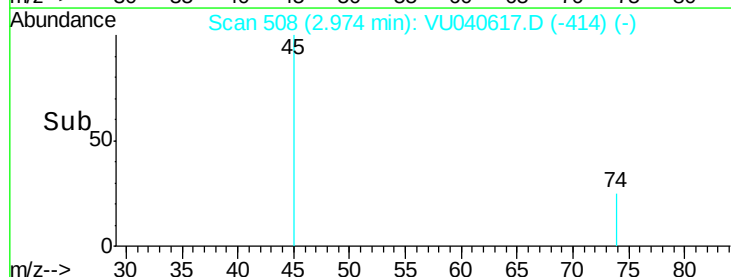
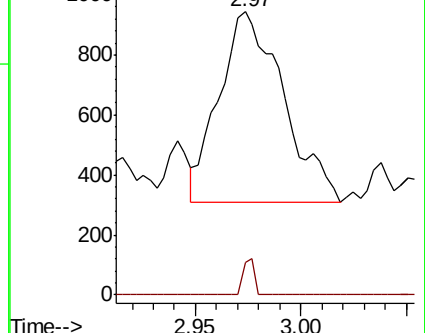
43 100

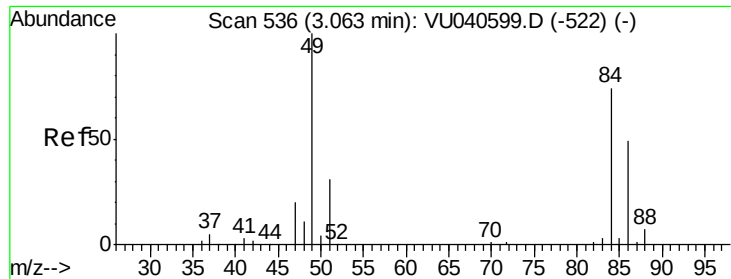
74 3.3 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU040617.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU040617.D (-414) (-)

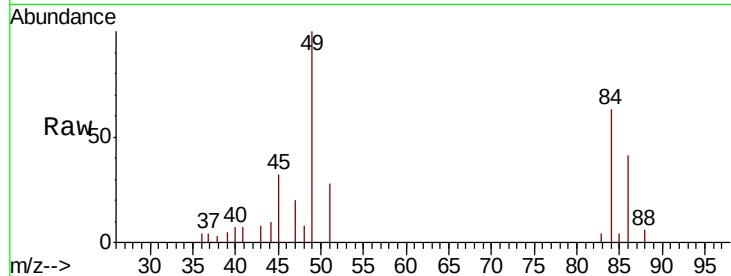




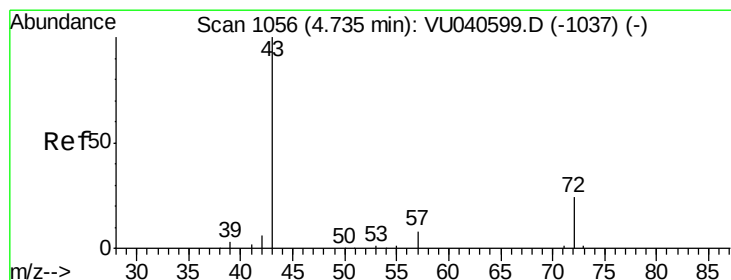
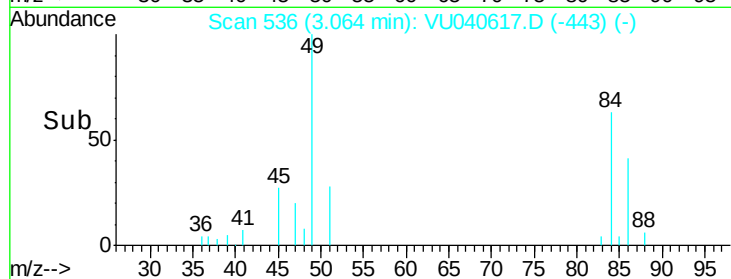
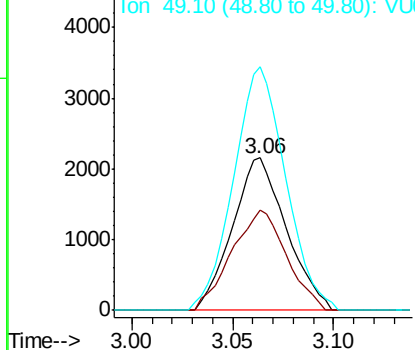
#16
Methvlene chloride
Concen: 0.329 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Instrument :
MSVOA_U
ClientSampleId :
ETZ08

Tot Ion: 84 Resp: 4010
Ion Ratio Lower Upper
84 100
86 65.6 45.4 84.4
49 159.9 99.8 185.3

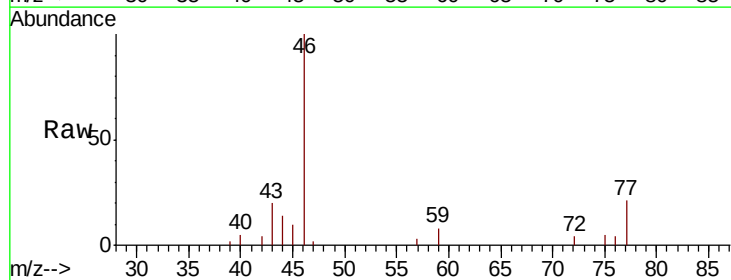


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

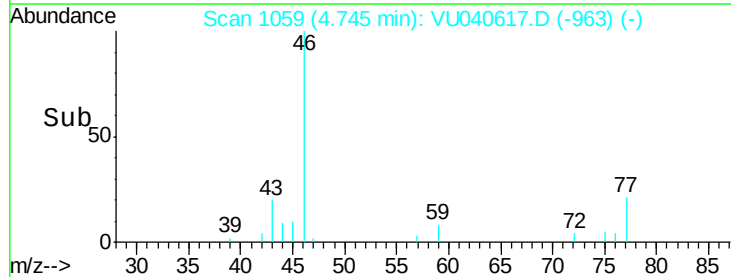
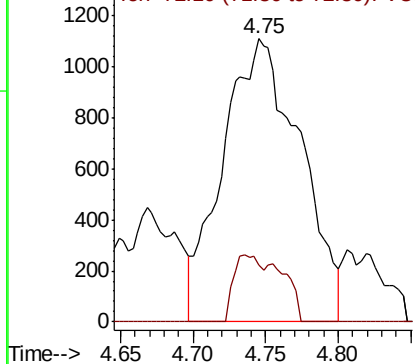


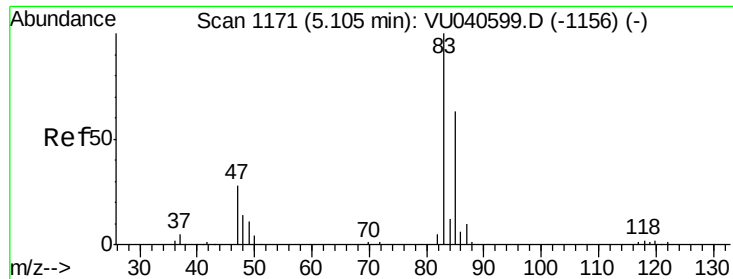
#21
2-Butanone
Concen: 0.968 ug/L
RT: 4.75 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Tgt Ion: 43 Resp: 4124
Ion Ratio Lower Upper
43 100
72 8.4 11.4 34.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#25

Chloroform

Concen: 0.119 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

Instrument :

MSVOA_U

ClientSampleId :

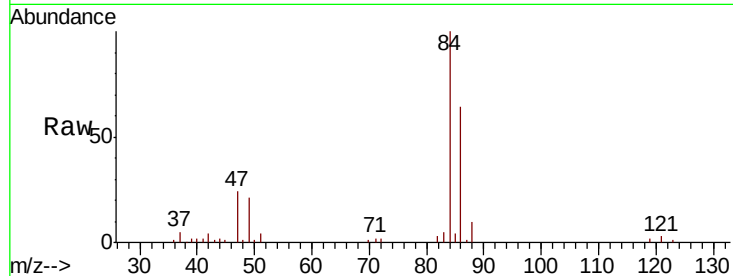
ETZ08

Tot Ion: 83 Resp: 2500

Ion Ratio Lower Upper

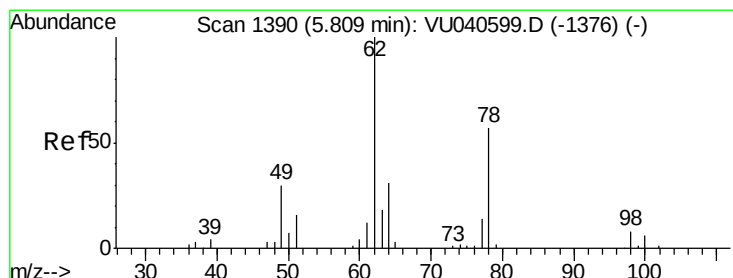
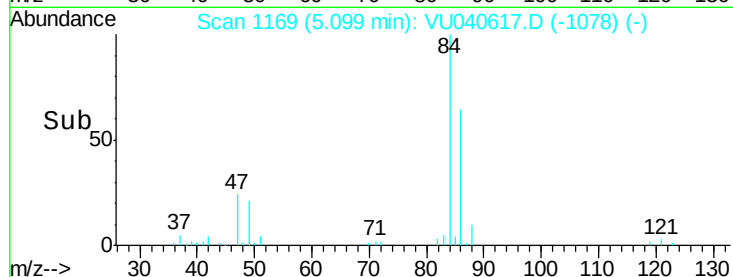
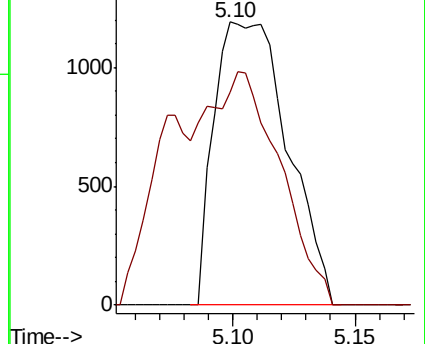
83 100

85 75.2 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 2.009 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU040617.D

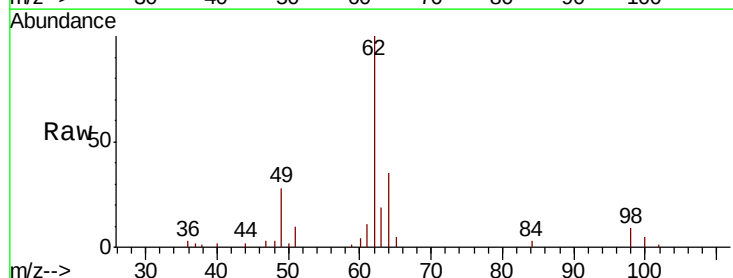
Acq: 10 Oct 2020 04:47

Tgt Ion: 62 Resp: 29815

Ion Ratio Lower Upper

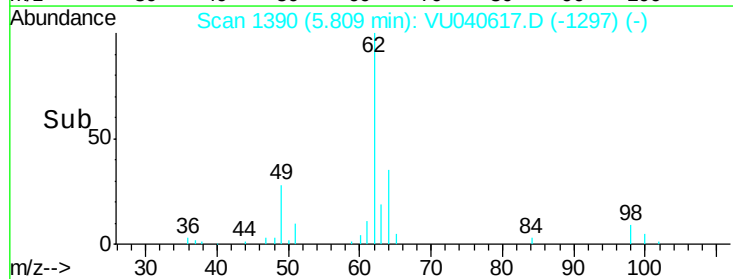
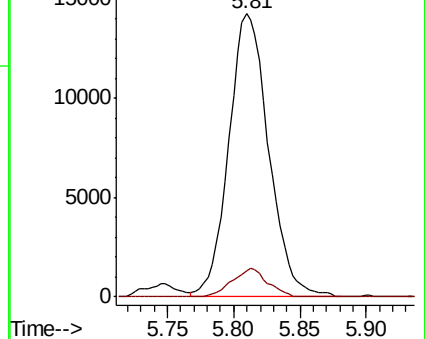
62 100

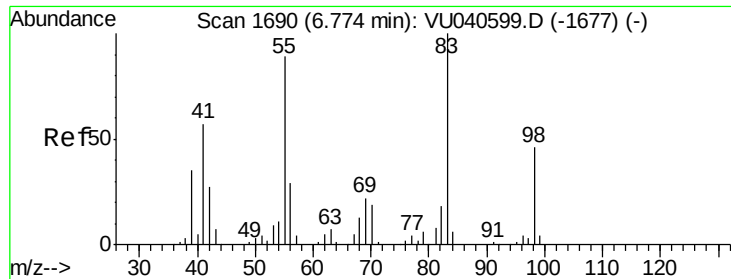
98 9.1 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

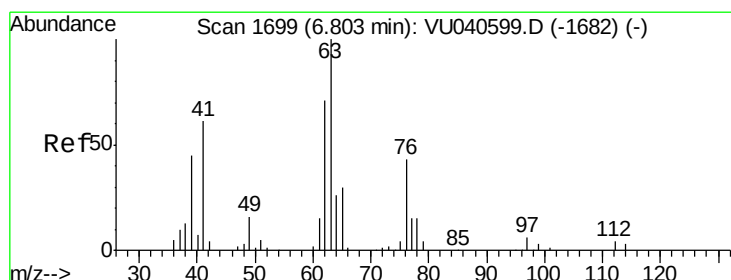
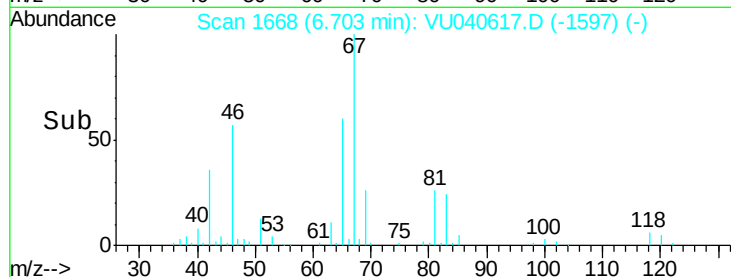
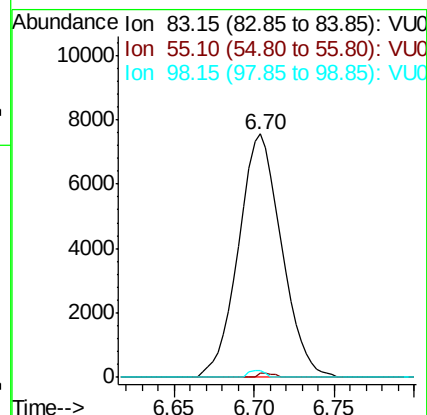
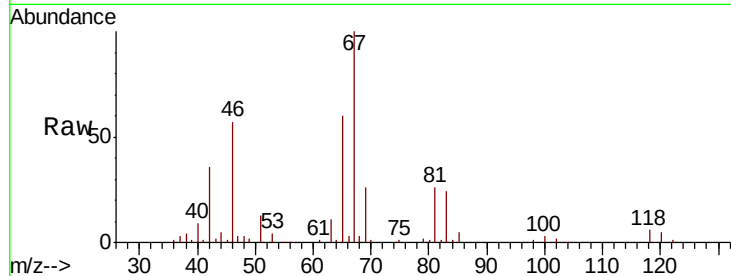




#35
Methylvlcyclohexane
Concen: 0.865 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

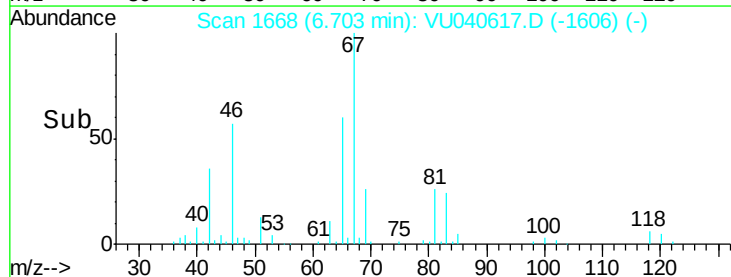
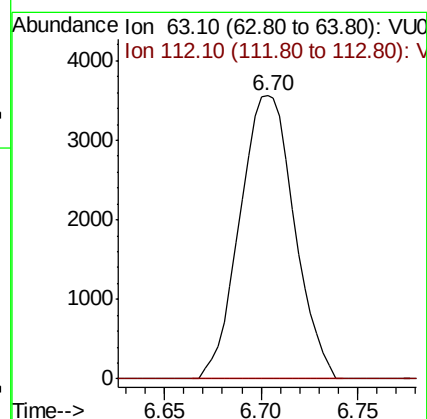
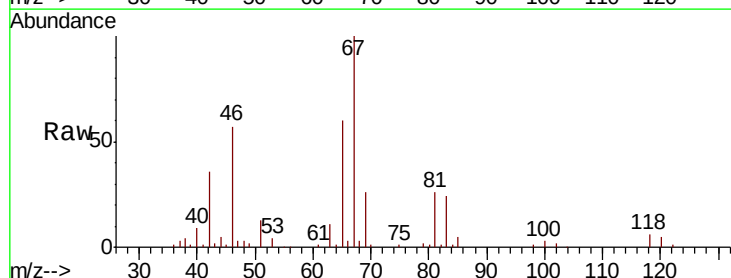
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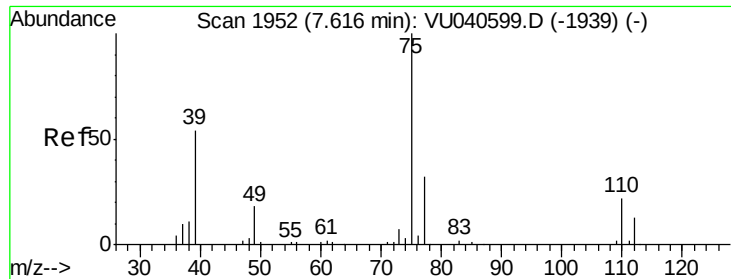
Tot Ion: 83 Resp: 13890
Ion Ratio Lower Upper
83 100
55 0.6 70.7 106.1#
98 1.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Tgt Ion: 63 Resp: 6979
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

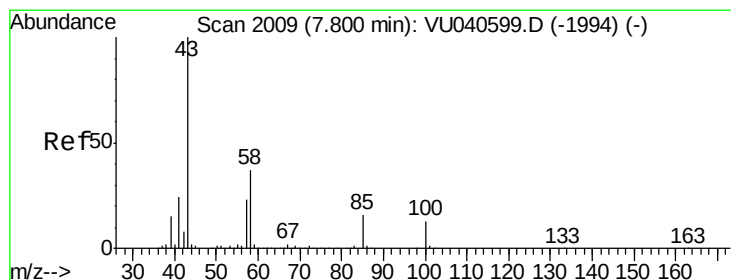
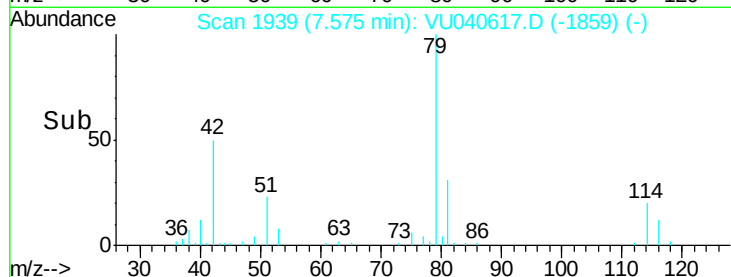
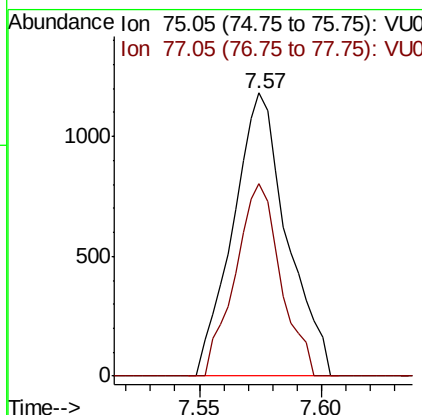
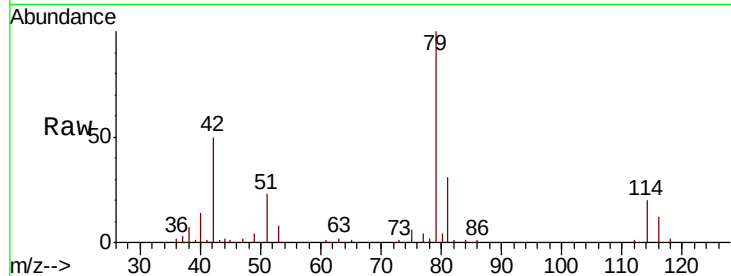




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040617.D
 Acq: 10 Oct 2020 04:47

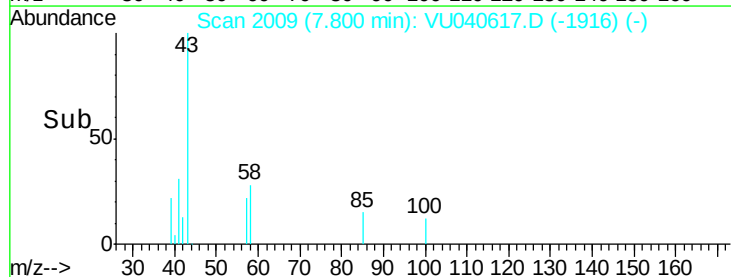
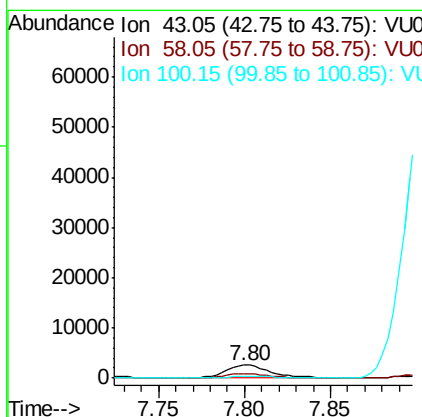
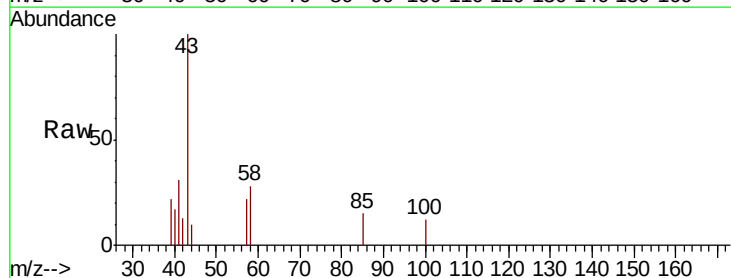
Instrument :
 MSVOA_U
 ClientSampled :
 ETZ08

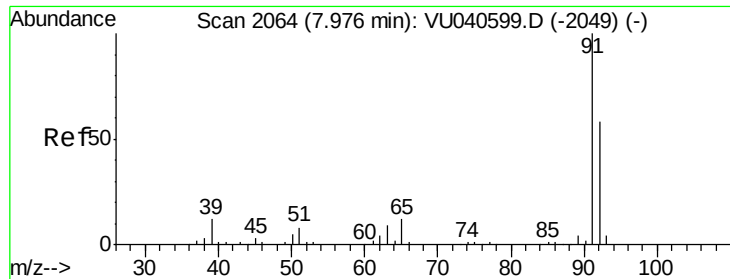
Tot Ion: 75 Resp: 1813
 Ion Ratio Lower Upper
 75 100
 77 67.8 20.5 38.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.490 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040617.D
 Acq: 10 Oct 2020 04:47

Tgt Ion: 43 Resp: 4757
 Ion Ratio Lower Upper
 43 100
 58 32.5 29.7 44.5
 100 0.0 10.7 16.1#





#42

Toluene

Concen: 0.039 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

Instrument :

MSVOA_U

ClientSampleId :

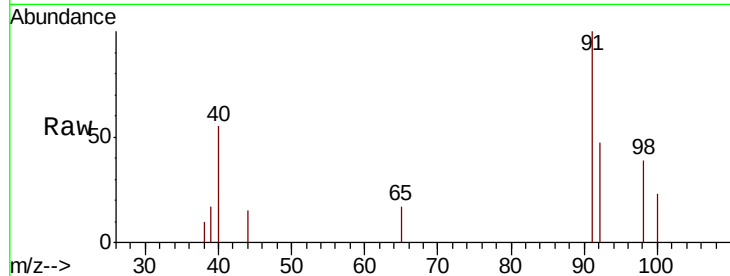
ETZ08

Tot Ion: 91 Resp: 1745

Ion Ratio Lower Upper

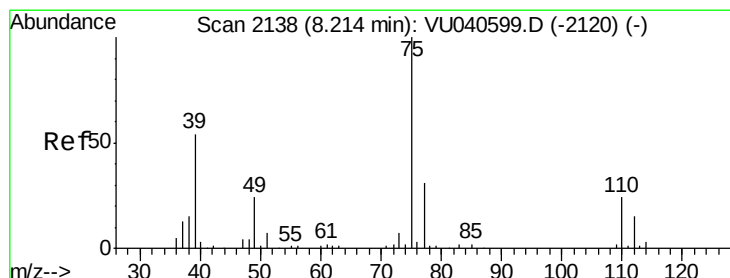
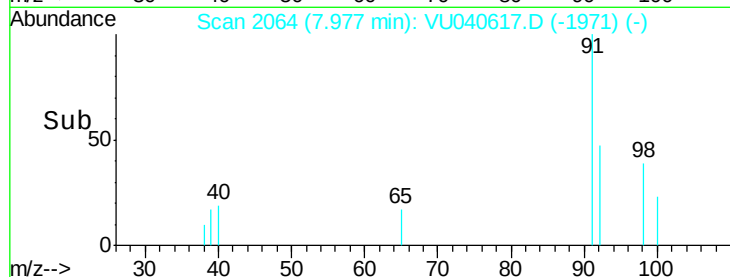
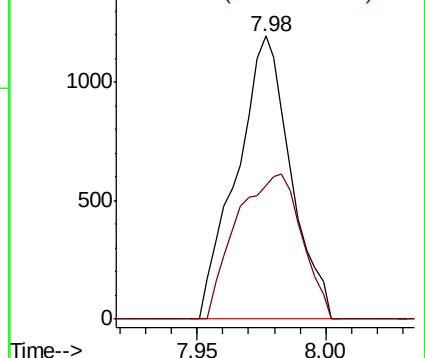
91 100

92 47.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040617.D

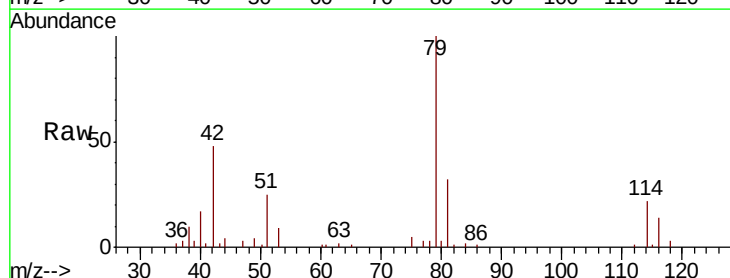
Acq: 10 Oct 2020 04:47

Tgt Ion: 75 Resp: 1030

Ion Ratio Lower Upper

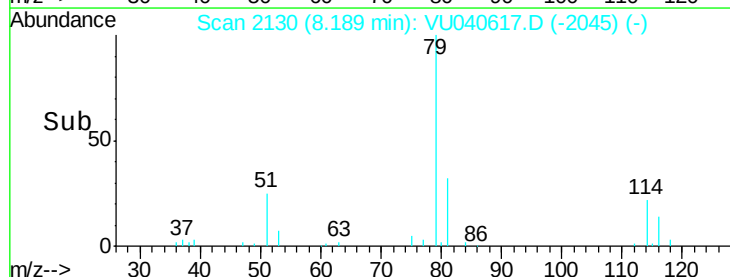
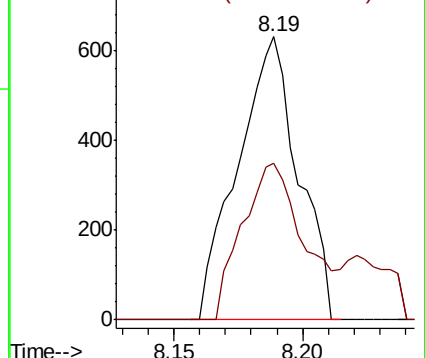
75 100

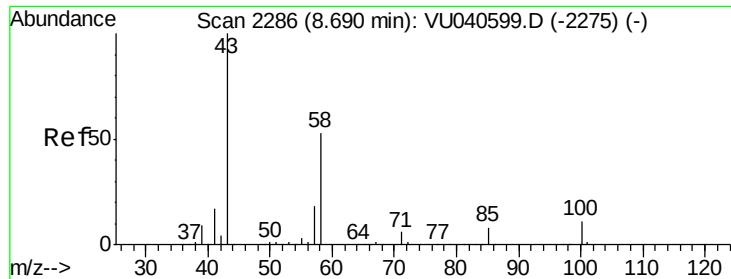
77 55.2 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

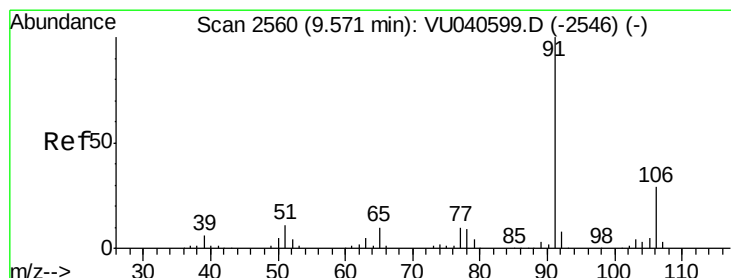
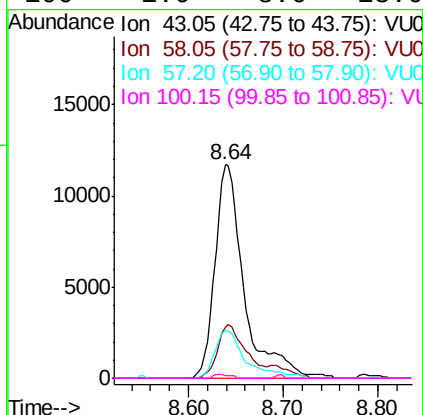
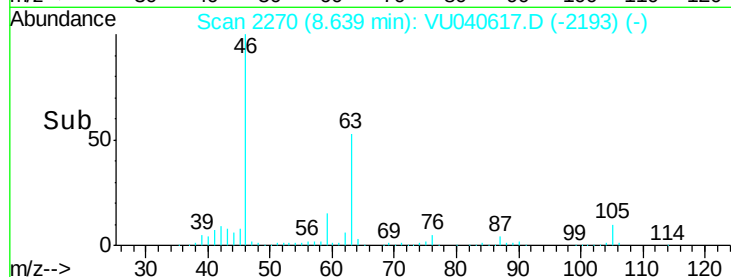
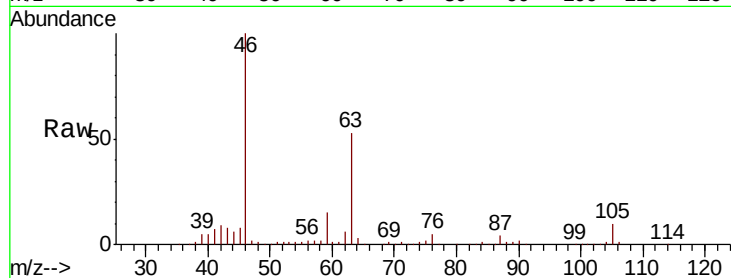




#48
2-Hexanone
Concen: 3.479 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

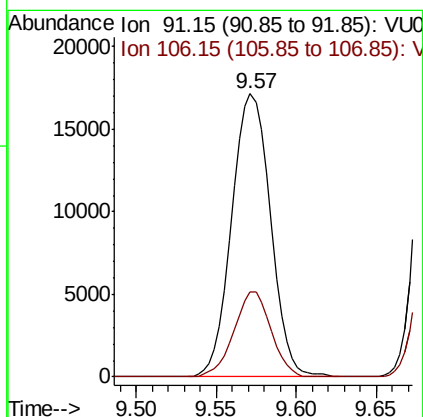
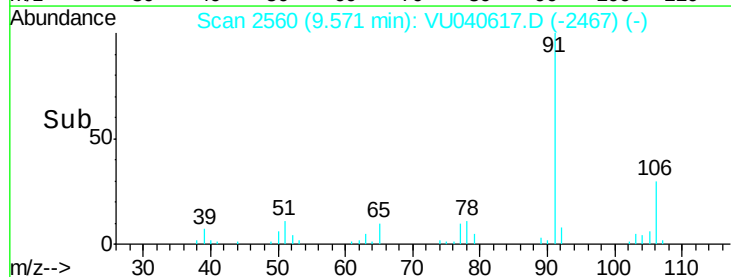
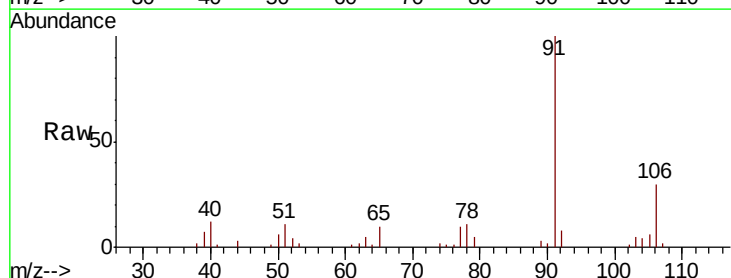
Instrument :
MSVOA_U
ClientSampled :
ETZ08

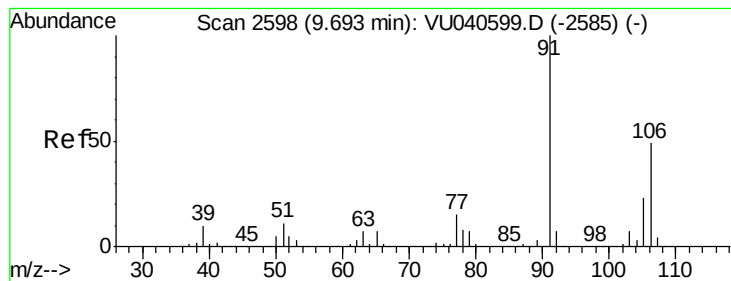
Tot Ion: 43 Resp: 25129
Ion Ratio Lower Upper
43 100
58 24.4 41.0 61.6#
57 23.9 14.4 21.6#
100 1.0 8.6 13.0#



#52
Ethylbenzene
Concen: 0.589 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Tgt Ion: 91 Resp: 28368
Ion Ratio Lower Upper
91 100
106 29.9 20.7 38.5





#53

m,p-Xylene

Concen: 2.477 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040617.D

Acq: 10 Oct 2020 04:47

Instrument :

MSVOA_U

ClientSampleId :

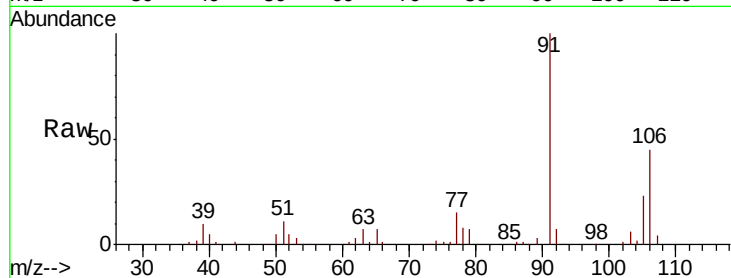
ETZ08

Tot Ion:106 Resp: 43478

Ion Ratio Lower Upper

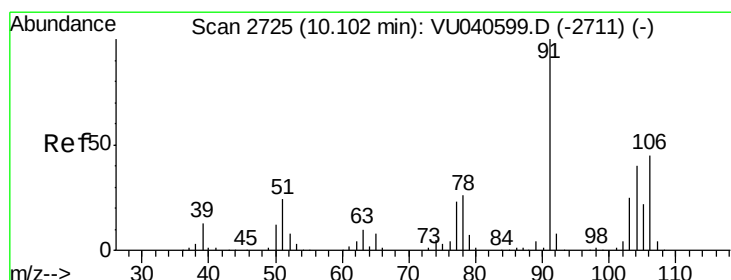
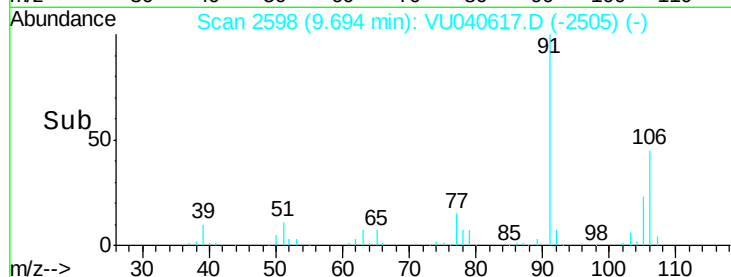
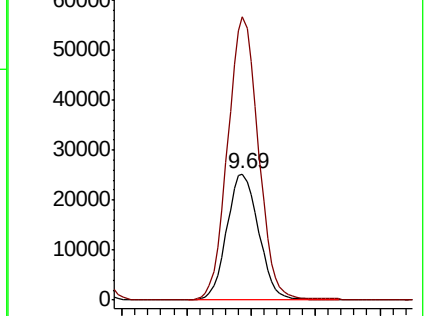
106 100

91 224.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.959 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040617.D

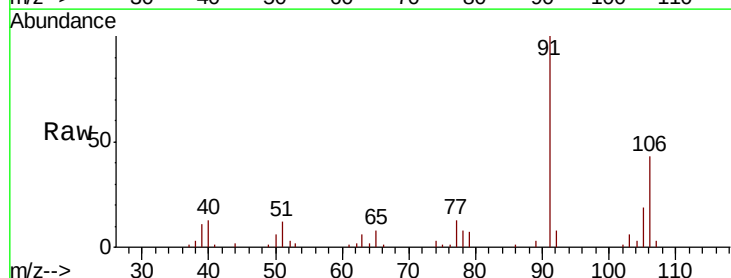
Acq: 10 Oct 2020 04:47

Tgt Ion:106 Resp: 16191

Ion Ratio Lower Upper

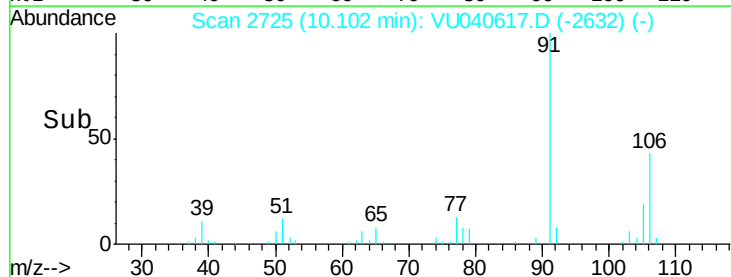
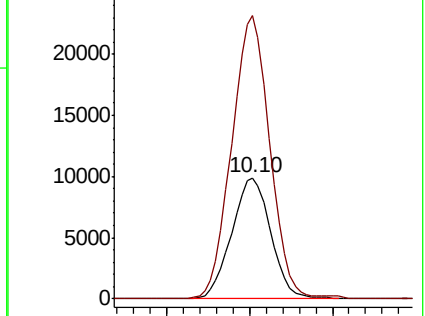
106 100

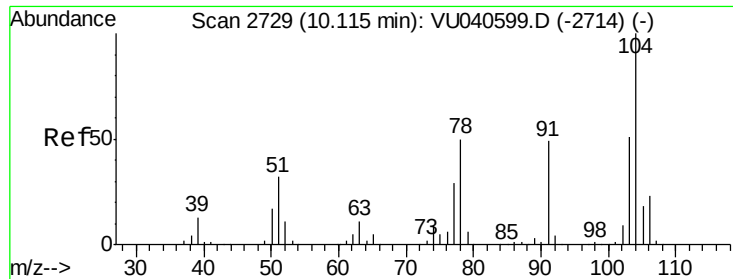
91 233.9 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

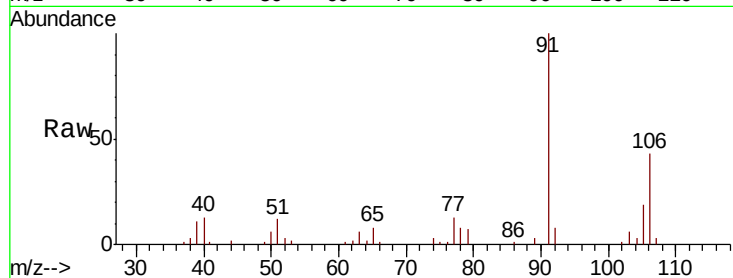




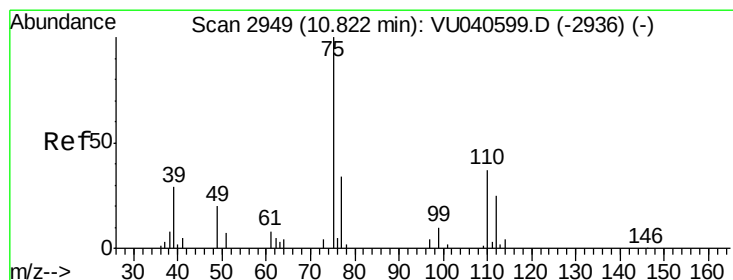
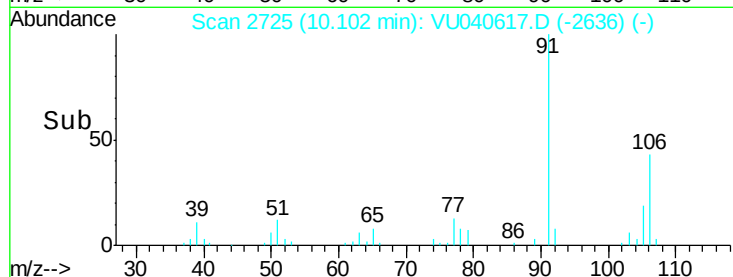
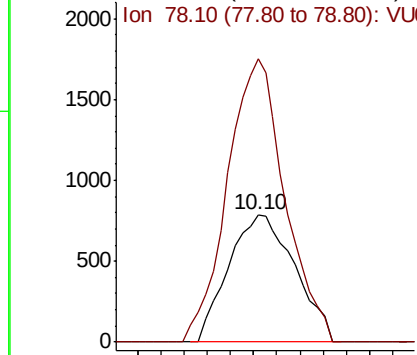
#55
Stvrene
Concen: 0.053 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.01 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Instrument :
MSVOA_U
ClientSampleId :
ETZ08

Tot Ion:104 Resp: 1560
Ion Ratio Lower Upper
104 100
78 222.2 34.6 64.3#

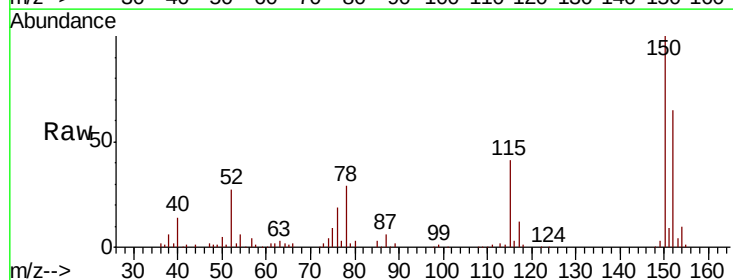


Abundance Ion 104.10 (103.80 to 104.80): VU040599.D (-2714) (-)
Ion 78.10 (77.80 to 78.80): VU040599.D (-2714) (-)



#59
1,2,3-Trichloropropane
Concen: 0.881 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040617.D
Acq: 10 Oct 2020 04:47

Tgt Ion: 75 Resp: 7876
Ion Ratio Lower Upper
75 100
77 38.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040599.D (-2936) (-)
Ion 77.00 (76.70 to 77.70): VU040599.D (-2936) (-)

