

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040949.D
 Acq On : 26 Oct 2020 17:11
 Operator : SY/MD
 Sample : L4492-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AN2

Quant Time: Oct 27 03:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 03:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56351	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24368	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14279	3.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.40%
7) Chloroethane-d5	1.92	69	14198	3.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.00%
11) 1,1-Dichloroethene-d2	2.58	63	24021	2.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.80%#
20) 2-Butanone-d5	4.67	46	90455	58.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.04%
24) Chloroform-d	5.08	84	37704	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.72	65	23787	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.74	84	63463	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.70	67	23340	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	48342	3.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.20%
43) trans-1,3-Dichloropropene-	8.19	79	8748	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.64	63	62049	53.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23021	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	21933	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	321	0.060	ug/L #	76
8) Chloroethane	1.94	64	550	0.164	ug/L #	54
13) Acetone	2.68	43	5300	4.973	ug/L #	56
14) Carbon disulfide	2.81	76	782	0.059	ug/L #	74
15) Methyl Acetate	2.98	43	5089	2.087	ug/L #	81
21) 2-Butanone	4.75	43	1401	0.841	ug/L #	70
25) Chloroform	5.10	83	1098	0.135	ug/L	88
27) 1,2-Dichloroethane	5.75	62	412	0.068	ug/L #	74
33) Benzene	5.79	78	3273	0.193	ug/L	100
35) Methylcyclohexane	6.70	83	5286	0.819	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2859	0.622	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	544	0.086	ug/L #	81
42) Toluene	7.98	91	22326	1.295	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	537	0.091	ug/L	92
52) Ethylbenzene	9.57	91	1089	0.060	ug/L	89
53) m,p-Xylene	9.69	106	697	0.105	ug/L	85
54) o-Xylene	10.10	106	421	0.068	ug/L	79

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QLast Update : Tue Oct 27 03:00:07 2020
Response via : Initial Calibration

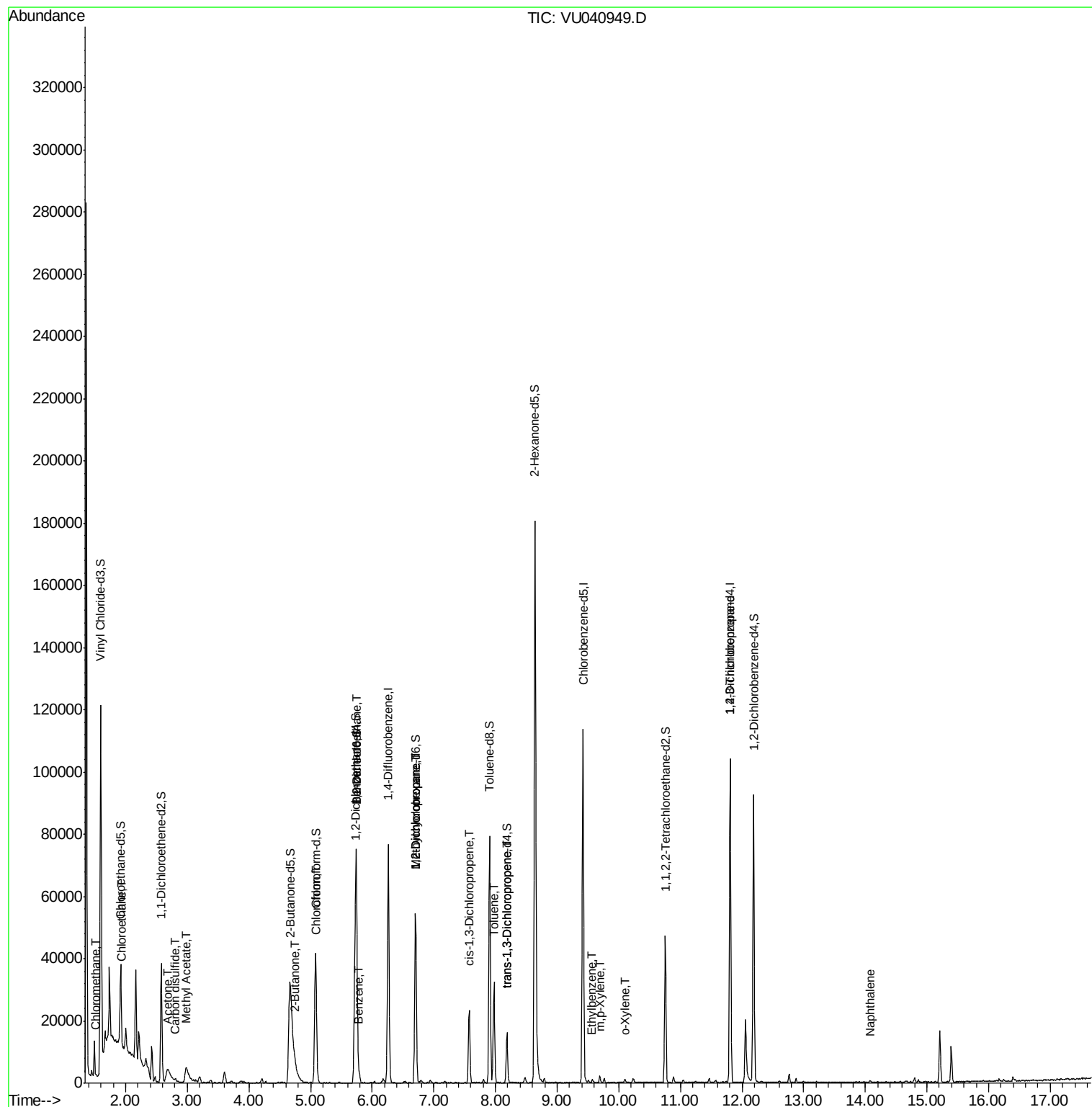
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3360	0.980	ug/L #	84
69) Naphthalene	14.08	128	589	0.081	ug/L #	69

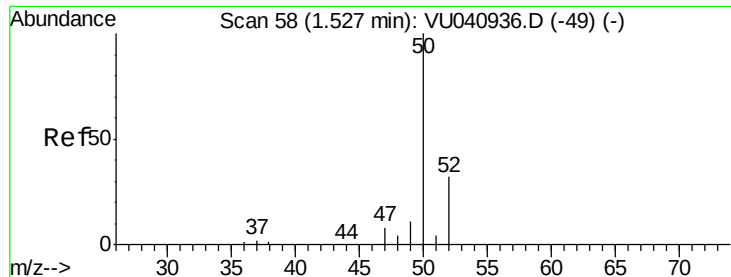
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.060 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

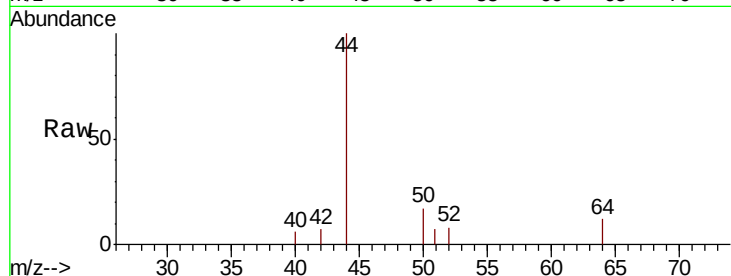
C0AN2

Tot Ion: 50 Resp: 321

Ion Ratio Lower Upper

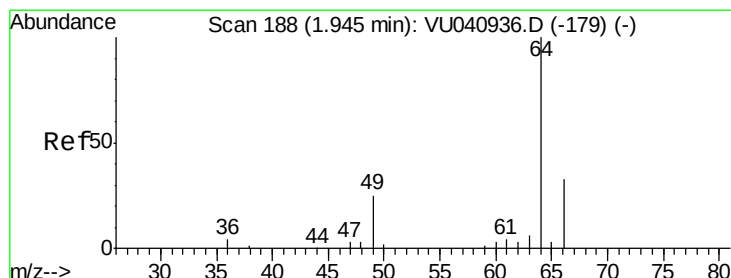
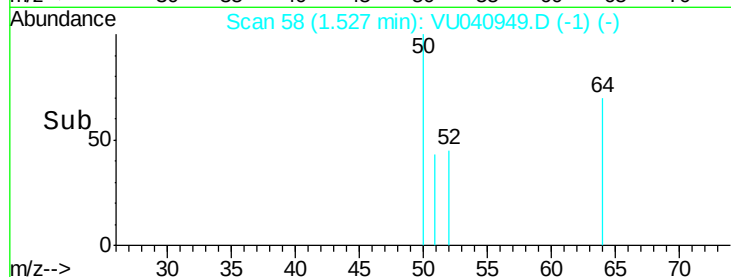
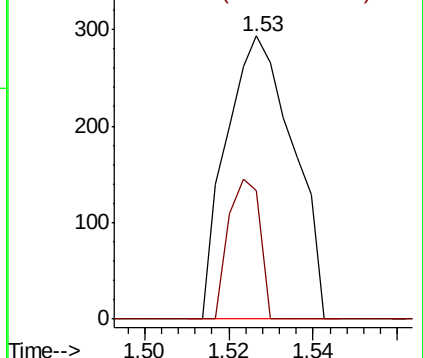
50 100

52 45.4 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.164 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040949.D

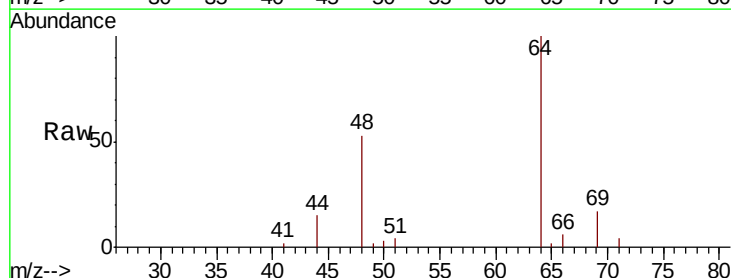
Acq: 26 Oct 2020 17:11

Tgt Ion: 64 Resp: 550

Ion Ratio Lower Upper

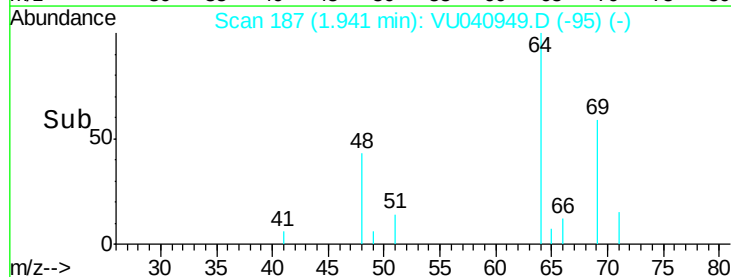
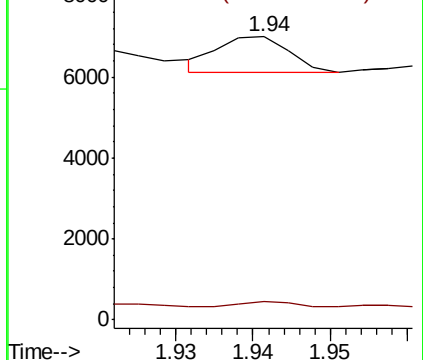
64 100

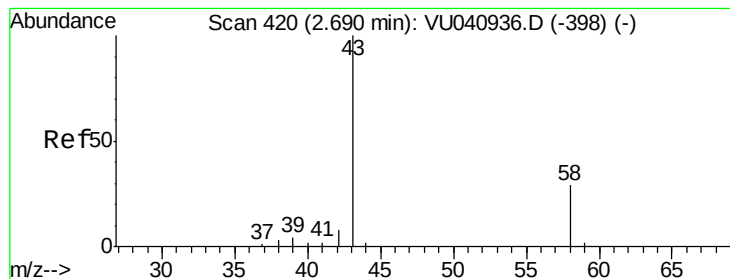
66 6.3 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 4.973 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

Instrument :

MSVOA_U

ClientSampled :

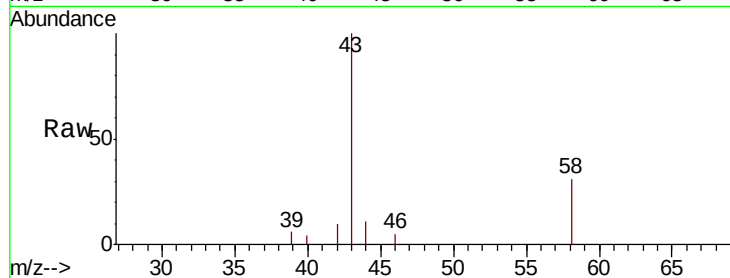
C0AN2

Tot Ion: 43 Resp: 5300

Ion Ratio Lower Upper

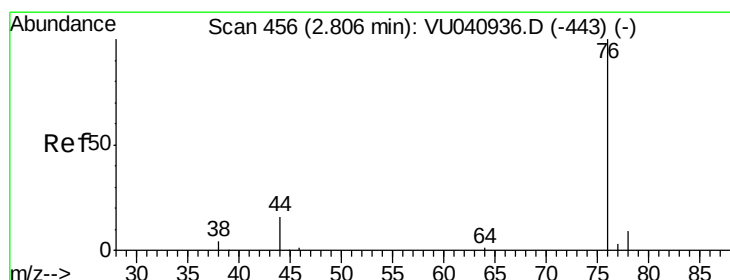
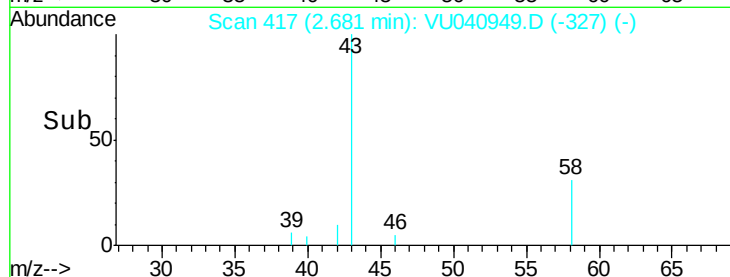
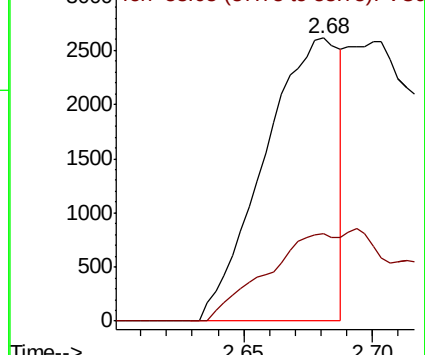
43 100

58 30.2 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU040949.D (-327) (-)

Ion 58.05 (57.75 to 58.75): VU040949.D (-327) (-)



#14

Carbon disulfide

Concen: 0.059 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040949.D

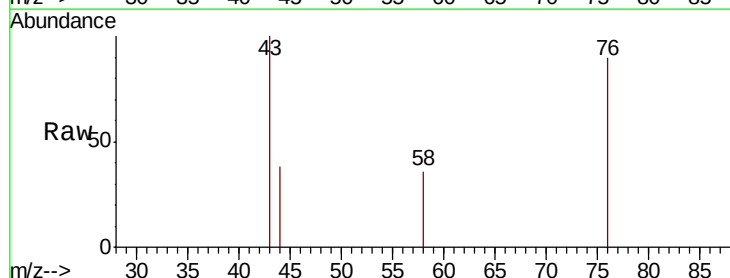
Acq: 26 Oct 2020 17:11

Tgt Ion: 76 Resp: 782

Ion Ratio Lower Upper

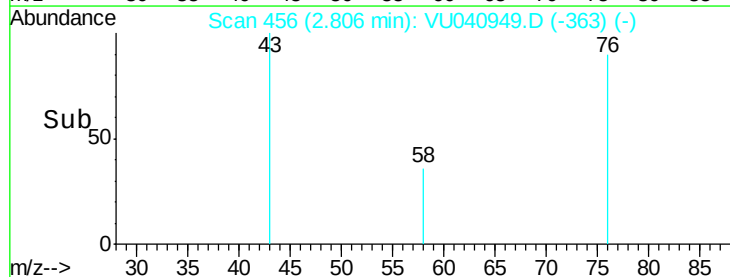
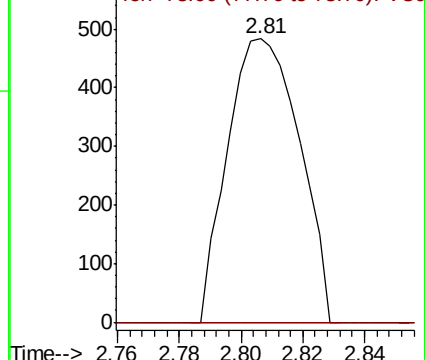
76 100

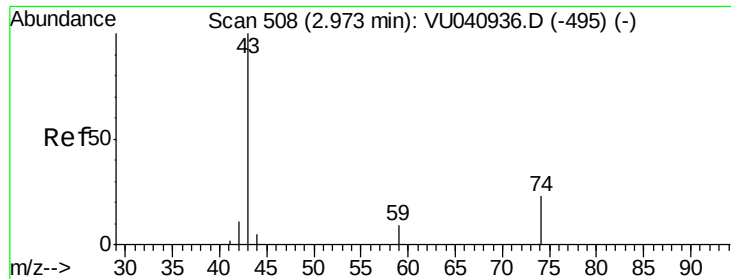
78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU040949.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040949.D (-363) (-)

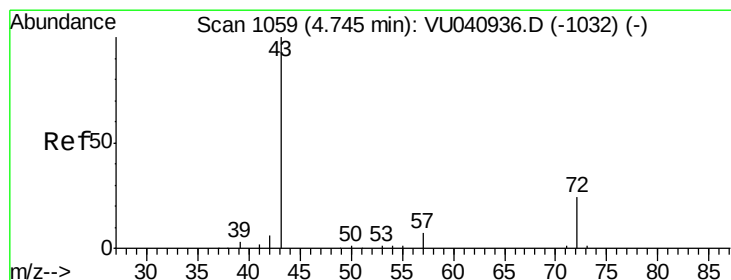
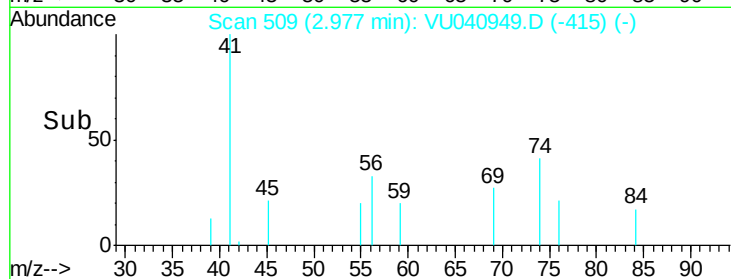
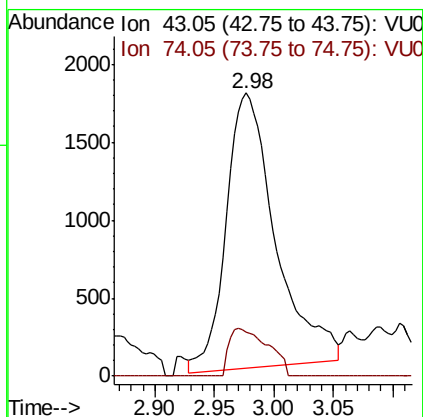
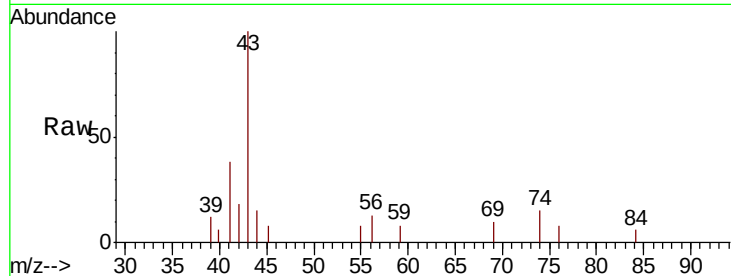




#15
Methyl Acetate
Concen: 2.087 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

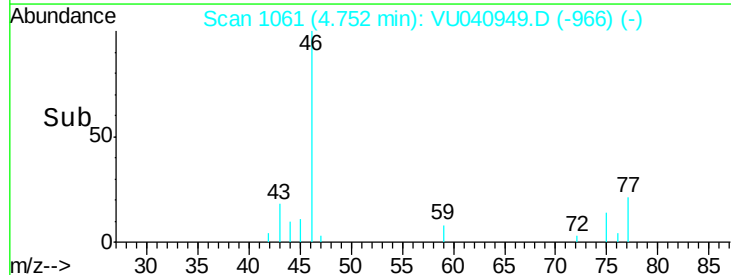
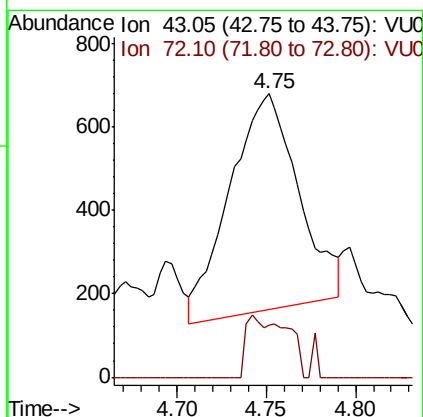
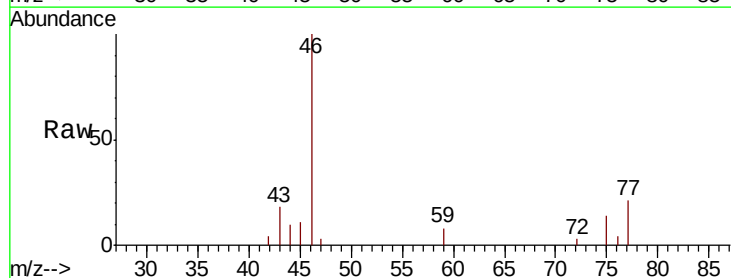
Instrument :
MSVOA_U
ClientSampleId :
C0AN2

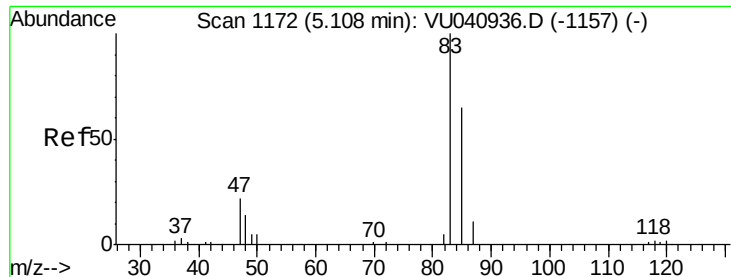
Tot Ion: 43 Resp: 5089
Ion Ratio Lower Upper
43 100
74 13.6 18.3 27.5#



#21
2-Butanone
Concen: 0.841 ug/L
RT: 4.75 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
72 9.0 11.8 35.4#

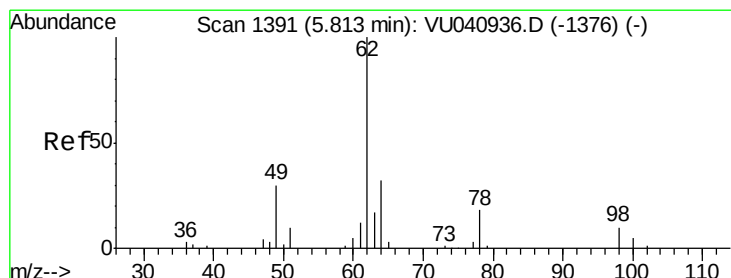
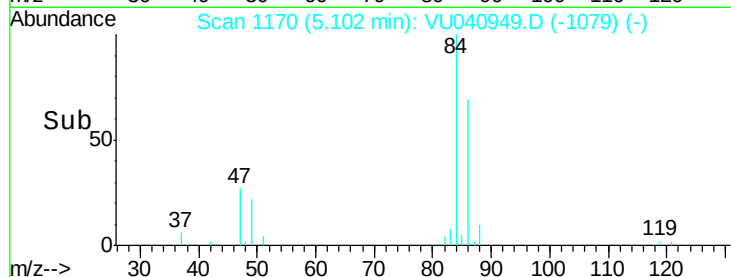
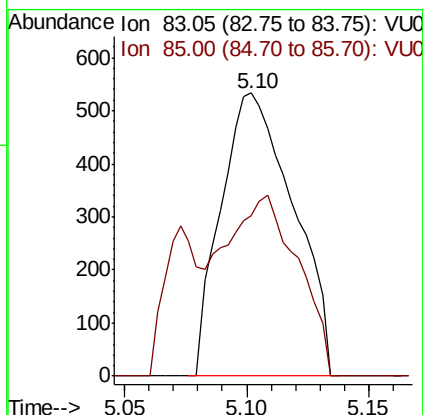
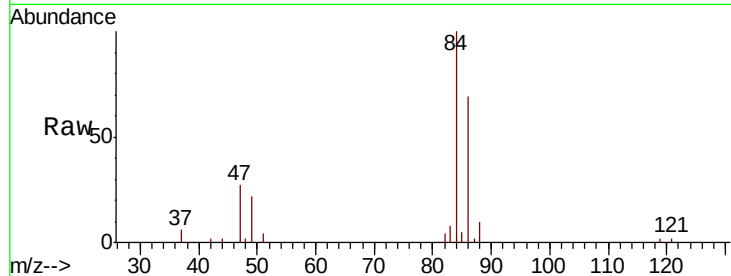




#25
Chloroform
Concen: 0.135 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

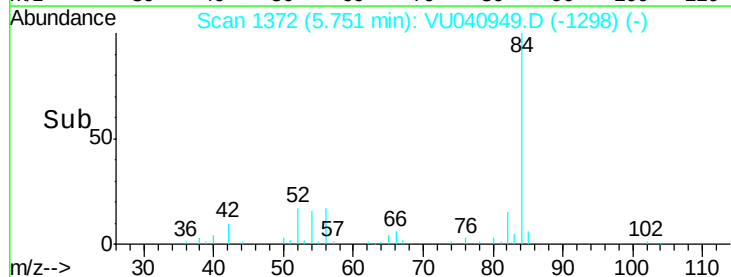
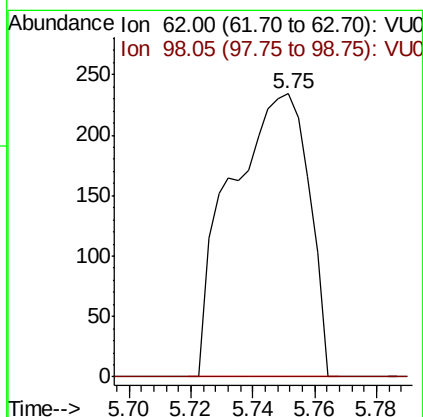
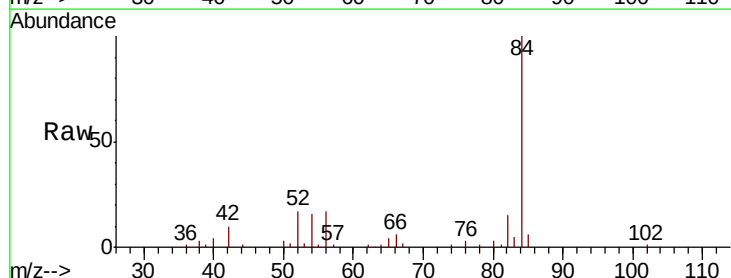
Instrument :
MSVOA_U
ClientSampleId :
C0AN2

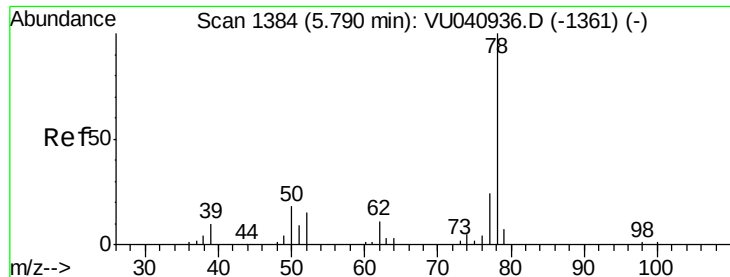
Tot Ion: 83 Resp: 1098
Ion Ratio Lower Upper
83 100
85 56.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.068 ug/L
RT: 5.75 min Scan# 1372
Delta R.T. -0.06 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

Tgt Ion: 62 Resp: 412
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.193 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

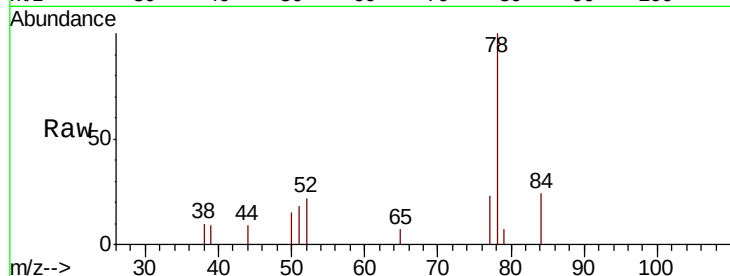
Instrument :

MSVOA_U

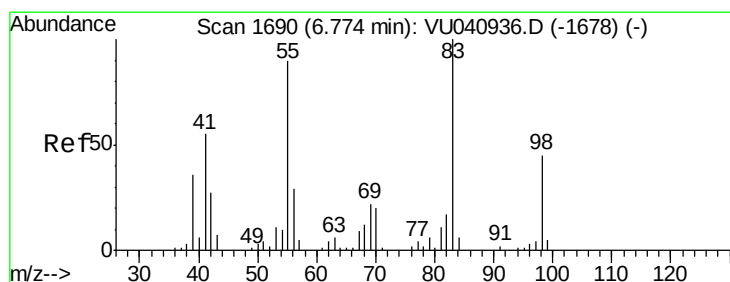
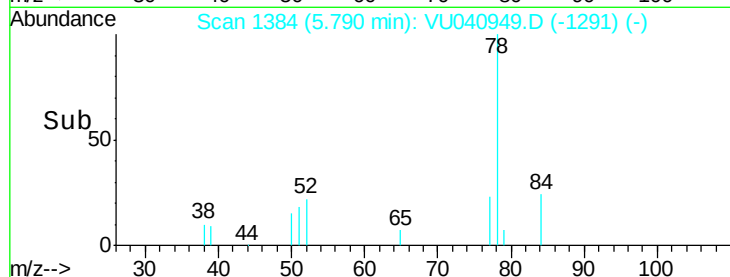
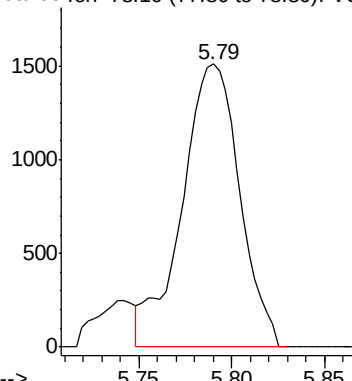
ClientSampled :

C0AN2

Tgt Ion: 78 Resp: 3273



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.819 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

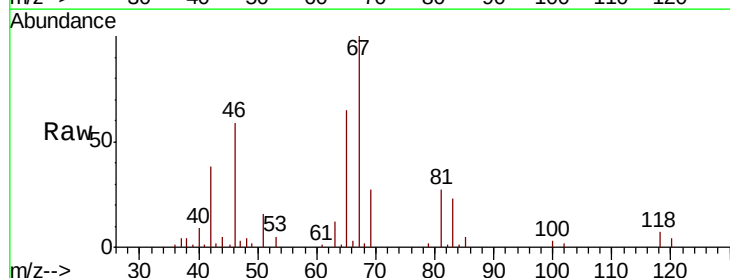
Tgt Ion: 83 Resp: 5286

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

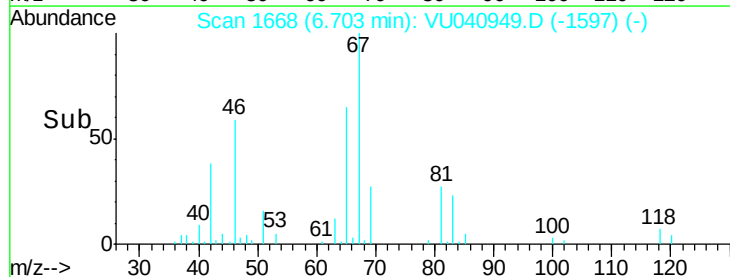
98 0.0 36.6 55.0#



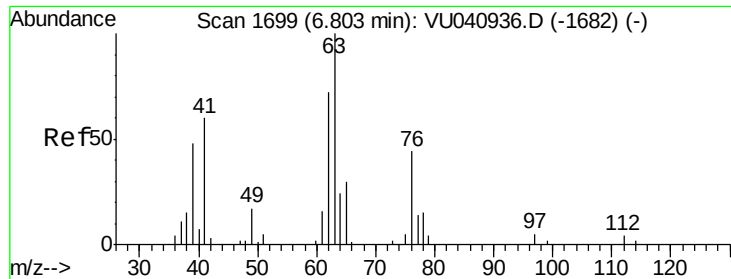
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



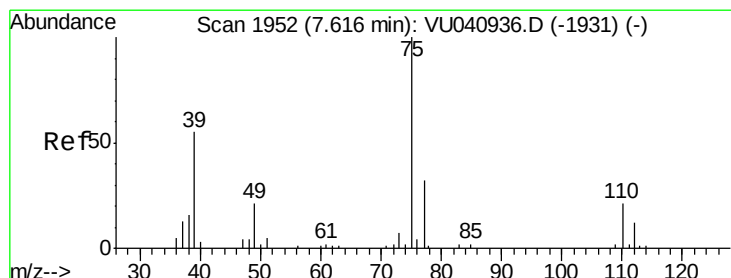
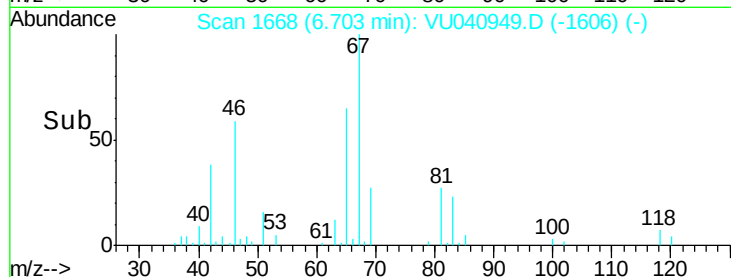
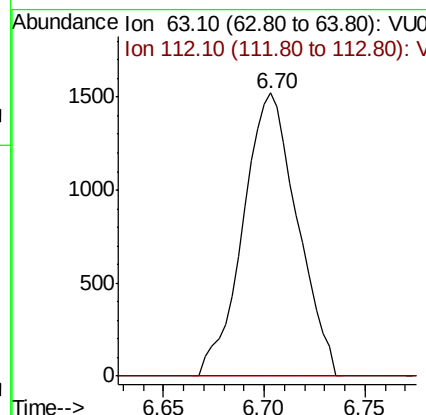
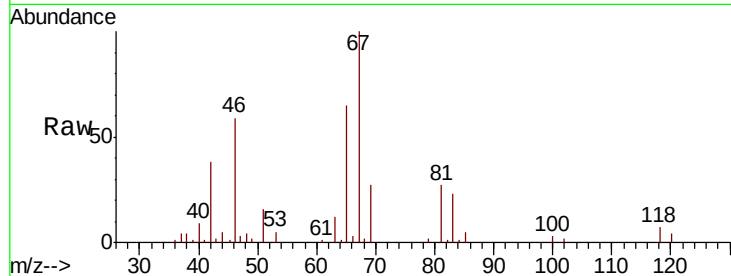
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.622 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040949.D
 Acq: 26 Oct 2020 17:11

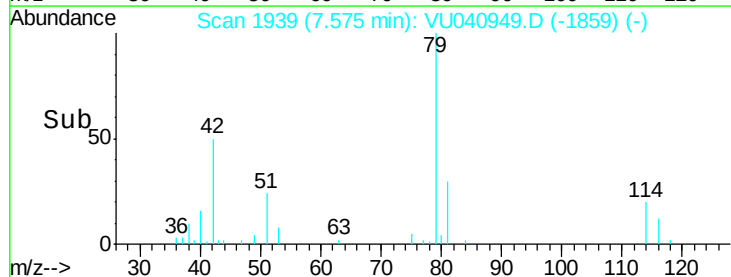
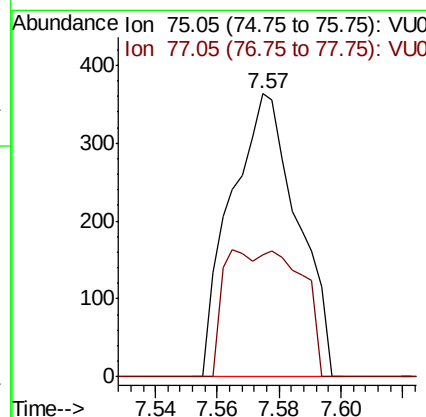
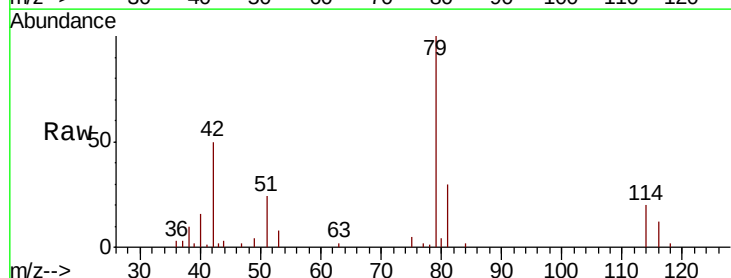
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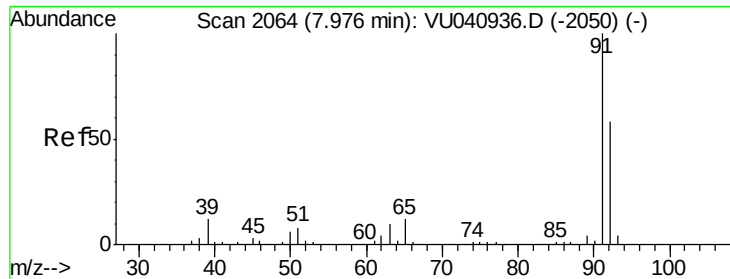
Tot Ion: 63 Resp: 2859
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040949.D
 Acq: 26 Oct 2020 17:11

Tgt Ion: 75 Resp: 544
 Ion Ratio Lower Upper
 75 100
 77 43.3 22.7 42.3#





#42

Toluene

Concen: 1.295 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

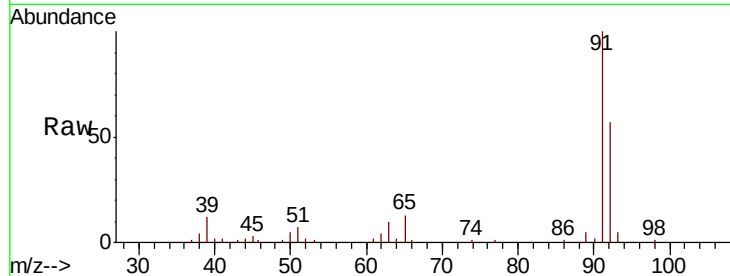
C0AN2

Tot Ion: 91 Resp: 22326

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040936.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU040936.D (-2050) (-)

7.98

15000

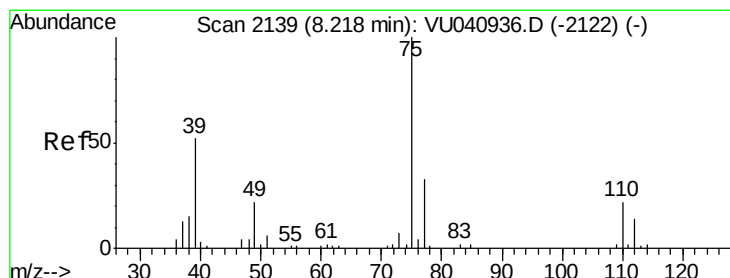
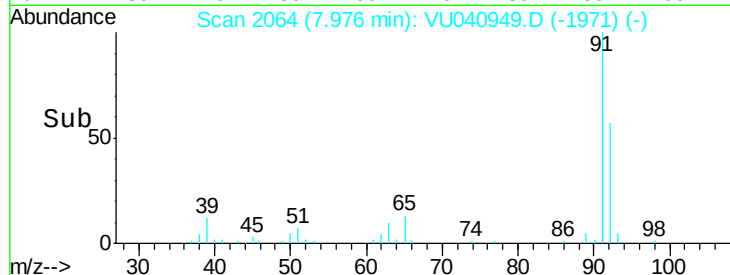
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040949.D

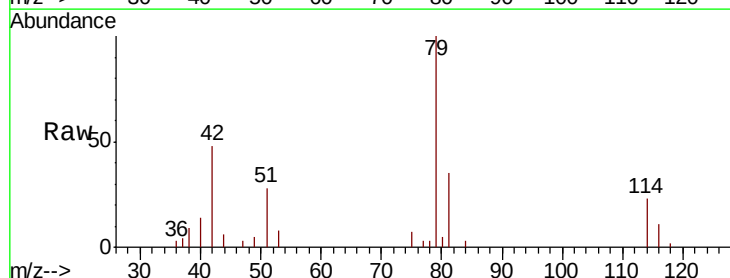
Acq: 26 Oct 2020 17:11

Tgt Ion: 75 Resp: 537

Ion Ratio Lower Upper

75 100

77 37.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU040936.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU040936.D (-2122) (-)

8.19

400

300

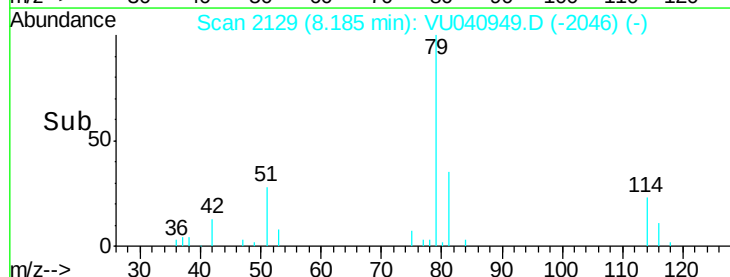
200

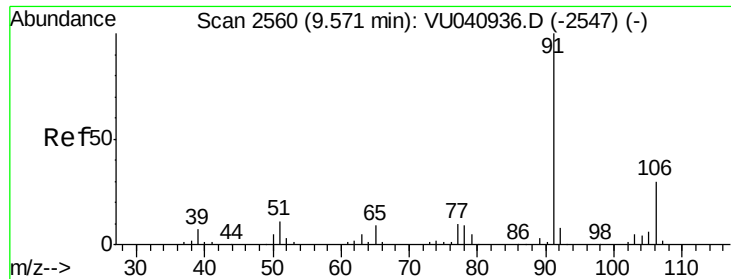
100

0

Time-->

8.14 8.16 8.18 8.20 8.22





#52

Ethylbenzene

Concen: 0.060 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU040949.D

Acq: 26 Oct 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

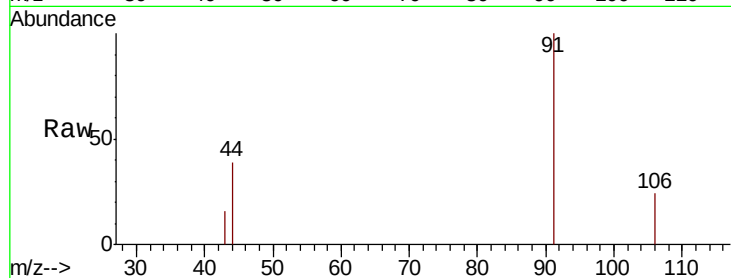
C0AN2

Tot Ion: 91 Resp: 1089

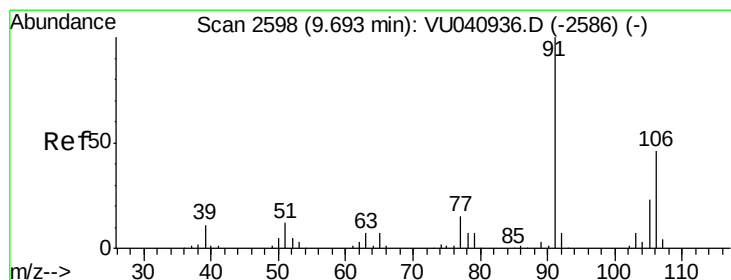
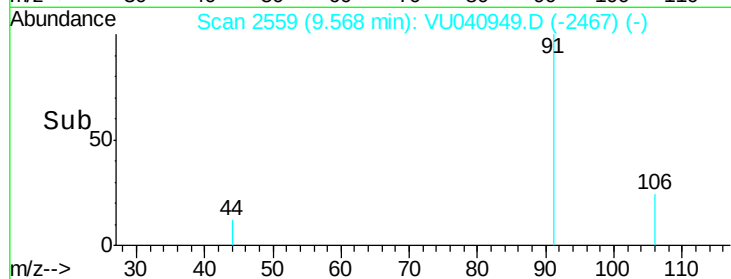
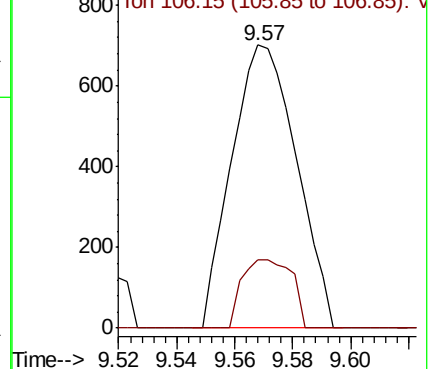
Ion Ratio Lower Upper

91 100

106 23.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040949.D (-2505) (-)



#53

m,p-Xylene

Concen: 0.105 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040949.D

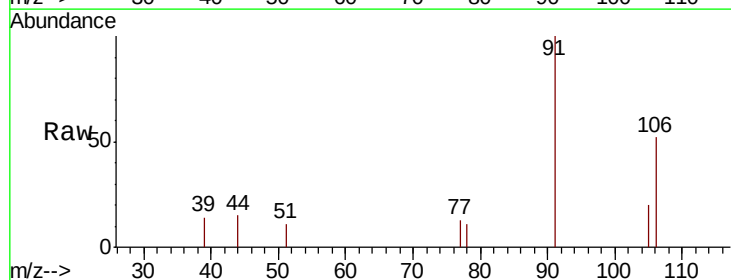
Acq: 26 Oct 2020 17:11

Tgt Ion: 106 Resp: 697

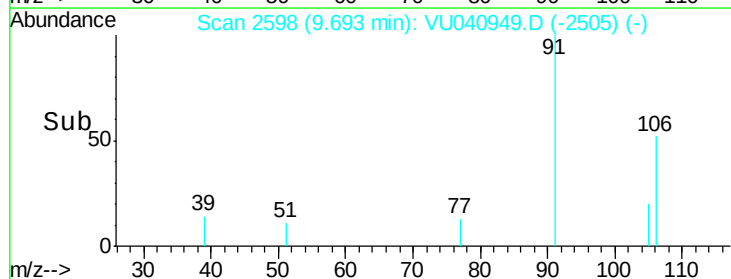
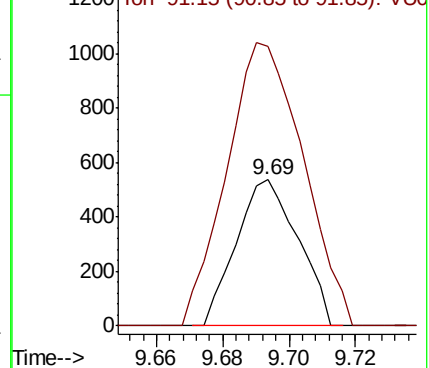
Ion Ratio Lower Upper

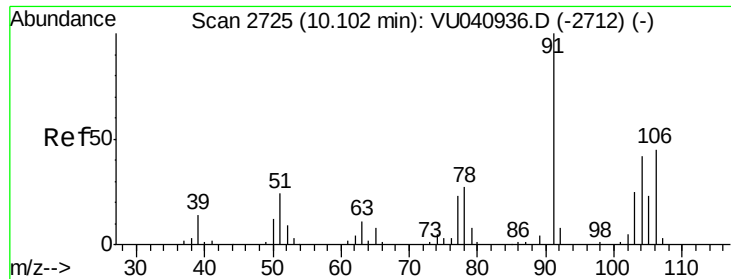
106 100

91 191.4 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040949.D (-2505) (-)

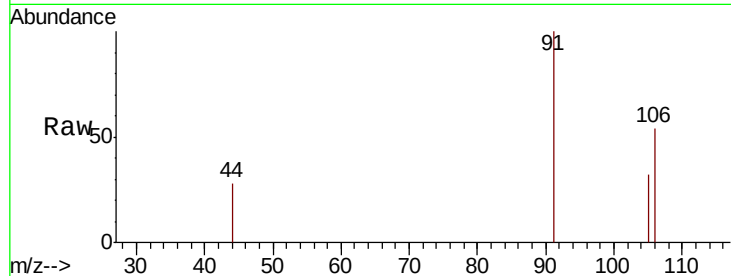




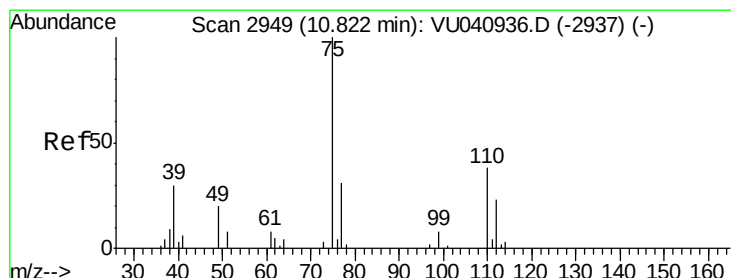
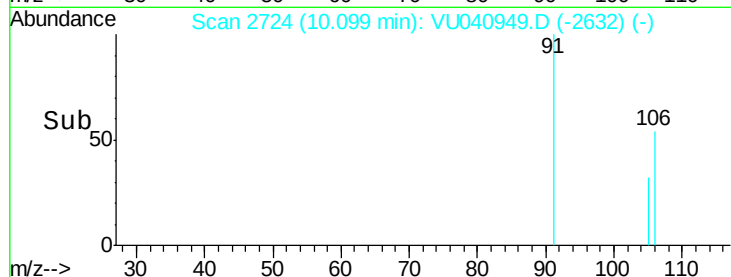
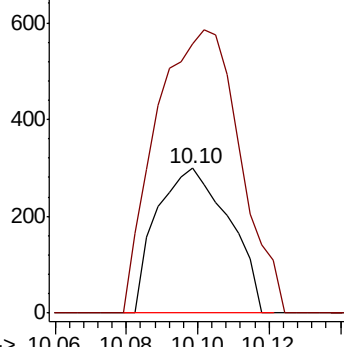
#54
o-Xylene
Concen: 0.068 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

Instrument :
MSVOA_U
ClientSampled :
COAN2

Tot Ion:106 Resp: 421
Ion Ratio Lower Upper
106 100
91 186.0 154.3 286.5

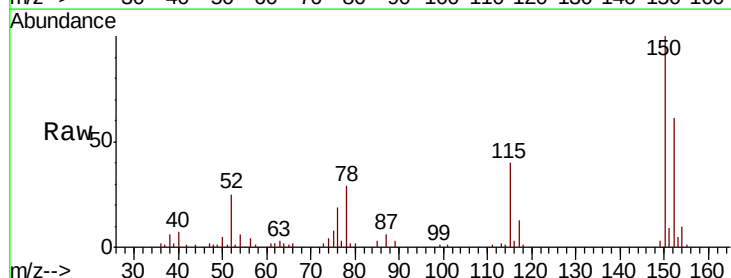


Abundance Ion 106.15 (105.85 to 106.85): VU040949.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU040949.D (-2632) (-)

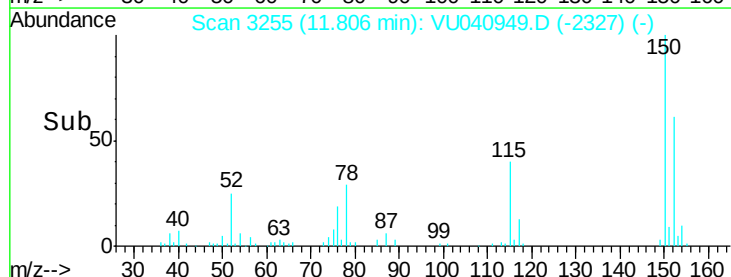
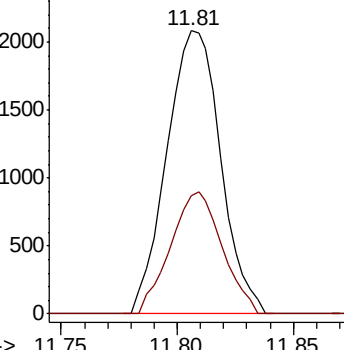


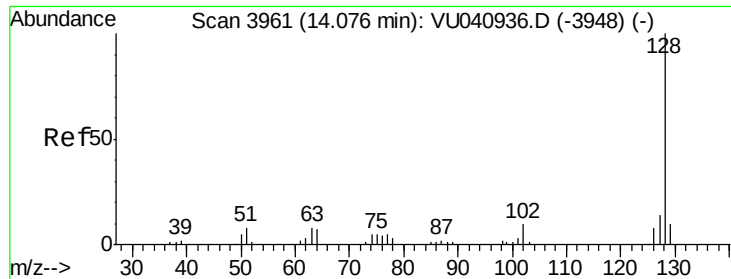
#59
1,2,3-Trichloropropane
Concen: 0.980 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040949.D
Acq: 26 Oct 2020 17:11

Tgt Ion: 75 Resp: 3360
Ion Ratio Lower Upper
75 100
77 41.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU040949.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU040949.D (-2327) (-)





#69

Naphthalene

Concen: 0.081 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040949.D

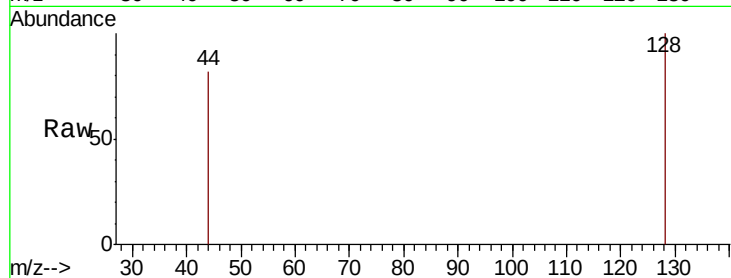
Acq: 26 Oct 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

C0AN2



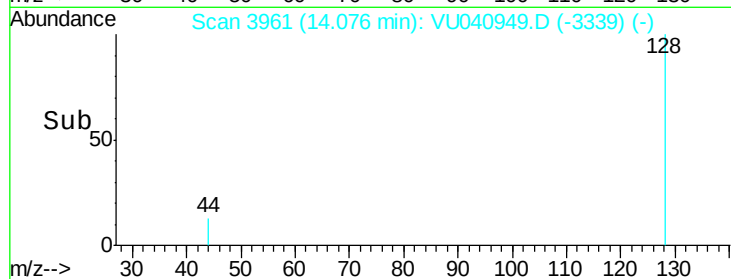
Tot Ion:128 Resp: 589

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

