

Data File : VU035332.D
Acq On : 21 Oct 2019 20:06
Operator : JC/SP
Sample : K5421-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA3

Quant Time: Oct 22 06:43:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	294065	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287083	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	106353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	76406	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.93	69	74504	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.59	63	108580	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.71	46	239318	46.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.88%
24) Chloroform-d	5.11	84	158481	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	88133	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.77	84	310681	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.74	67	102576	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	276763	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.22	79	38319	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.69	63	182318	40.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.74%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86118	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	90199	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

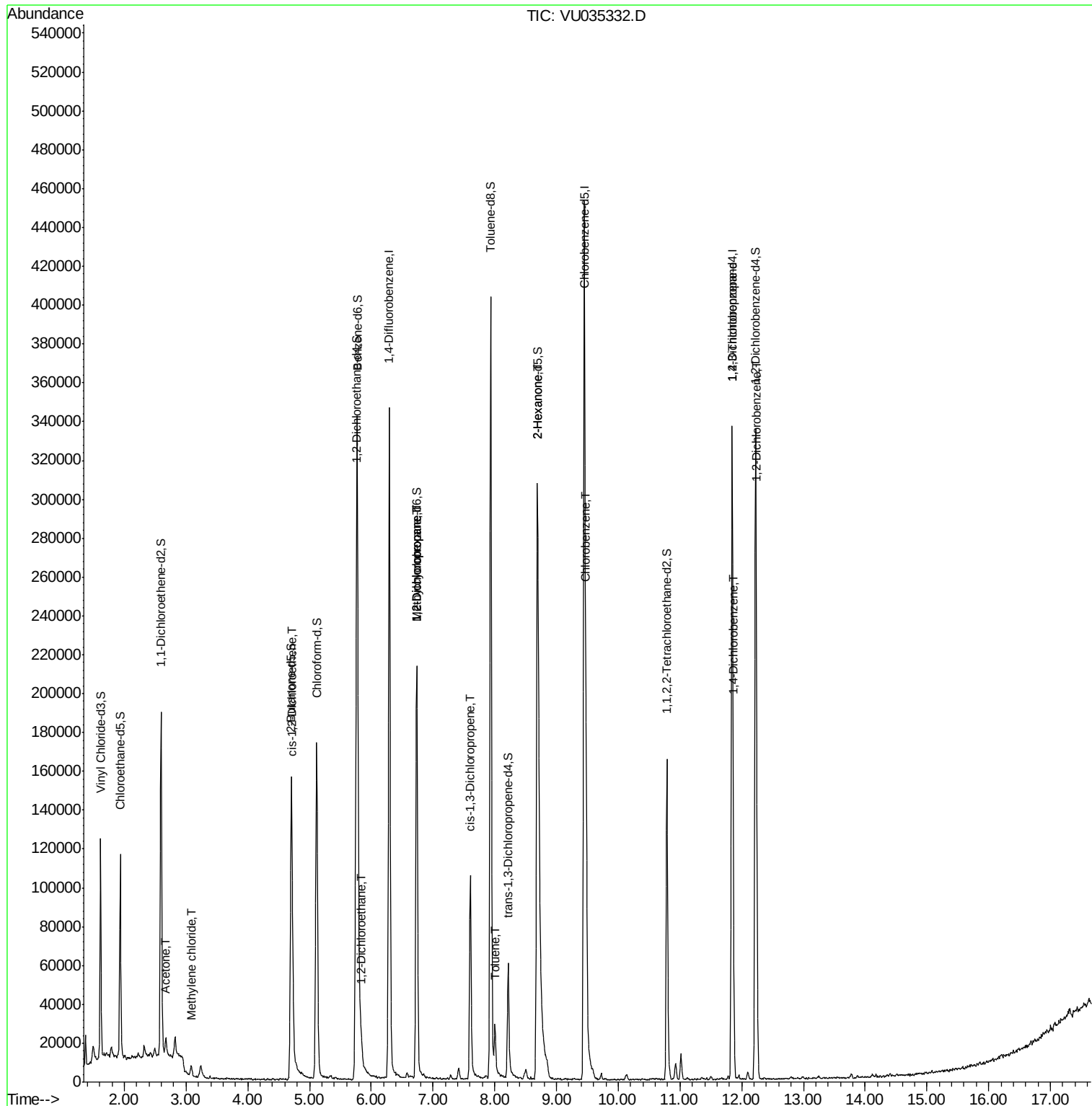
					Qvalue
13) Acetone	2.67	43	10668	2.976 ug/L	99
16) Methylene chloride	3.08	84	2457	0.108 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	2845	0.126 ug/L	99
27) 1,2-Dichloroethane	5.84	62	4546	0.183 ug/L	96
35) Methylcyclohexane	6.74	83	24151	0.636 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12260	0.572 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2917	0.081 ug/L #	41
42) Toluene	8.00	91	16526	0.177 ug/L	93
48) 2-Hexanone	8.69	43	17610	1.735 ug/L #	71
51) Chlorobenzene	9.48	112	85130	1.414 ug/L	99
59) 1,2,3-Trichloropropane	11.84	75	14311	0.958 ug/L	91
63) 1,4-Dichlorobenzene	11.87	146	3683	0.103 ug/L	94
65) 1,2-Dichlorobenzene	12.24	146	33978	0.997 ug/L	98

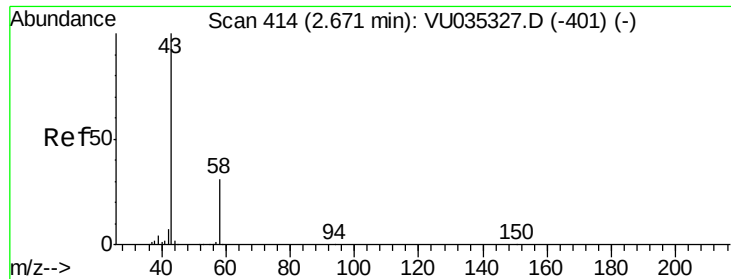
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.976 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035332.D

Acq: 21 Oct 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

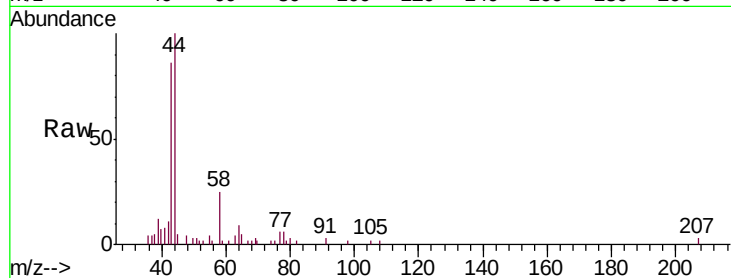
C0AA3

Tgt Ion: 43 Resp: 10668

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8

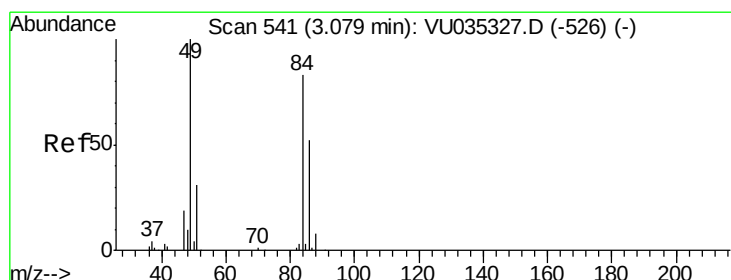
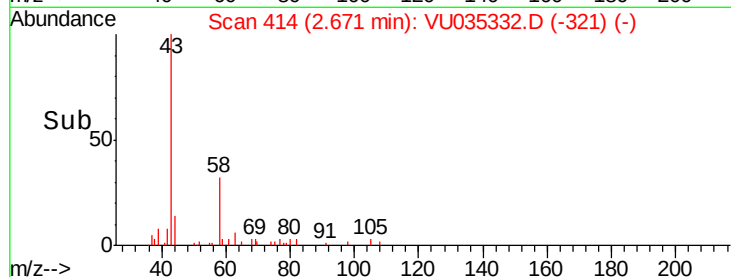


Abundance Ion 43.05 (42.75 to 43.75): VU035332.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035332.D (-401) (-)

2.67

Time-->



#16

Methylene chloride

Concen: 0.108 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035332.D

Acq: 21 Oct 2019 20:06

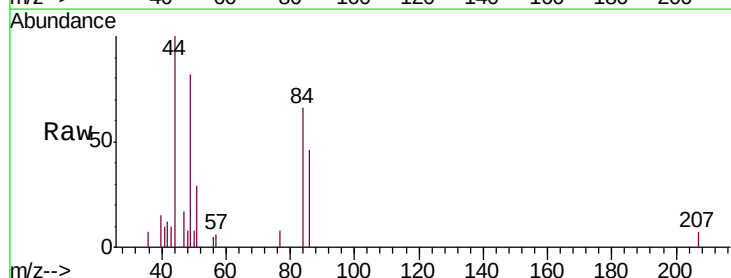
Tgt Ion: 84 Resp: 2457

Ion Ratio Lower Upper

84 100

86 69.8 45.4 84.2

49 124.8 86.8 161.2



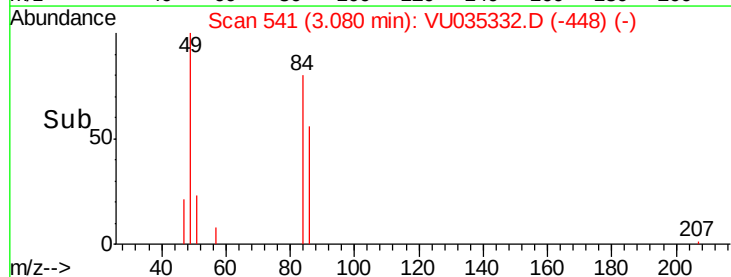
Abundance Ion 84.05 (83.75 to 84.75): VU035332.D (-526) (-)

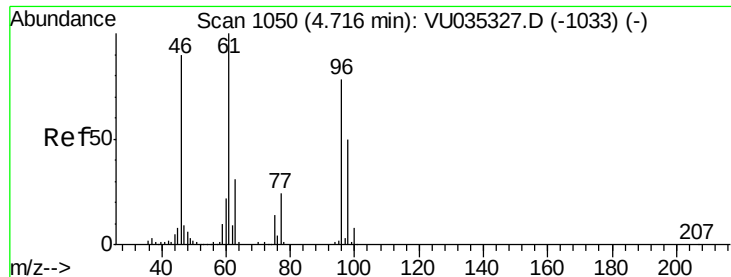
Ion 86.00 (85.70 to 86.70): VU035332.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035332.D (-526) (-)

3.08

Time-->

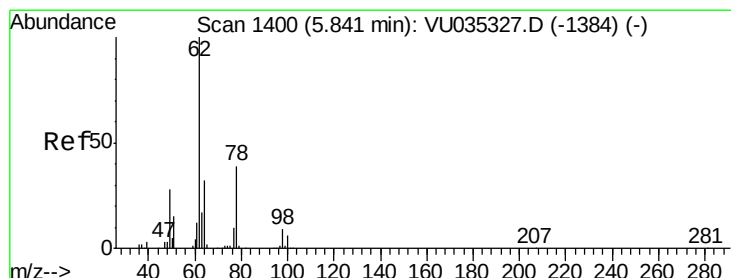
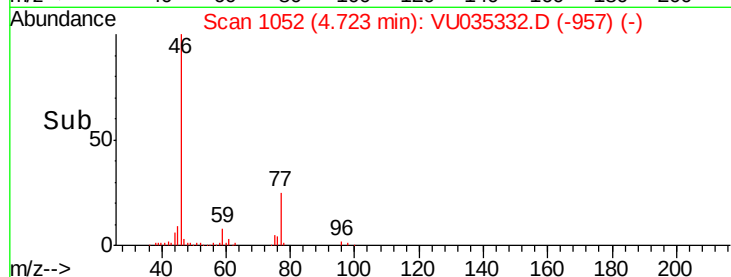
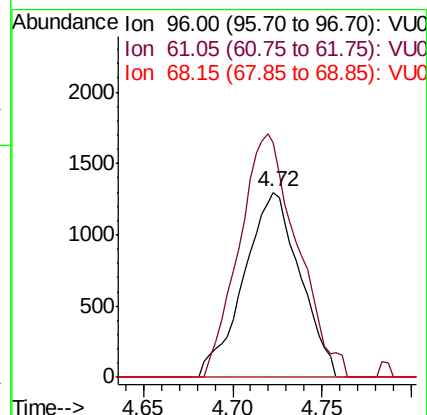
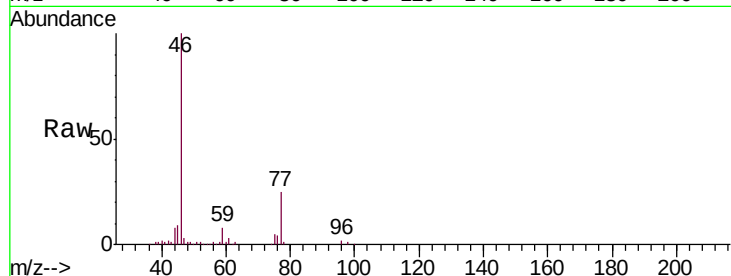




#22
 cis-1,2-Dichloroethene
 Concen: 0.126 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU035332.D
 Acq: 21 Oct 2019 20:06

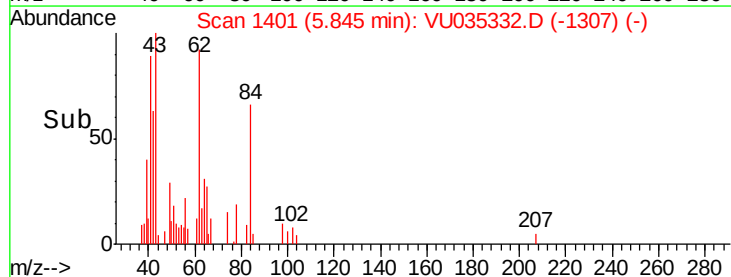
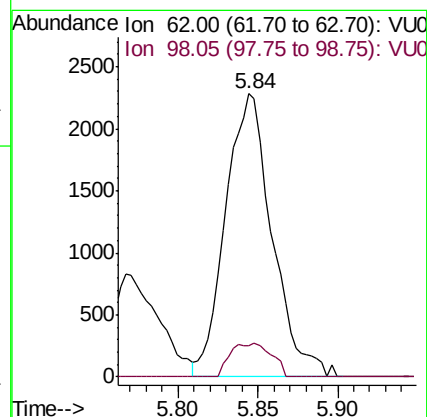
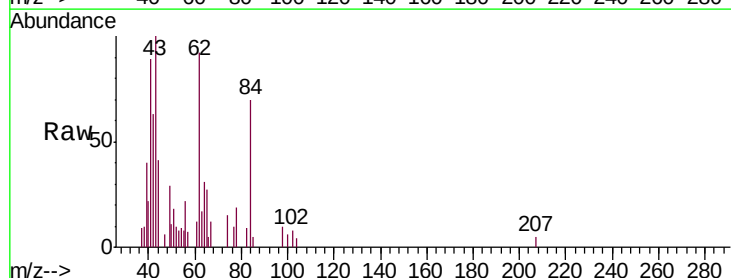
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

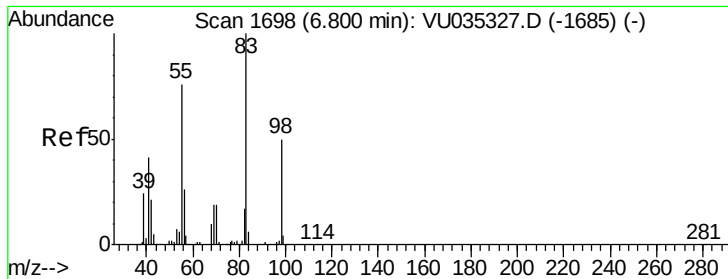
Tgt Ion: 96 Resp: 2845
 Ion Ratio Lower Upper
 96 100
 61 127.0 89.7 166.5
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.183 ug/L
 RT: 5.84 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: VU035332.D
 Acq: 21 Oct 2019 20:06

Tgt Ion: 62 Resp: 4546
 Ion Ratio Lower Upper
 62 100
 98 11.2 7.8 11.6

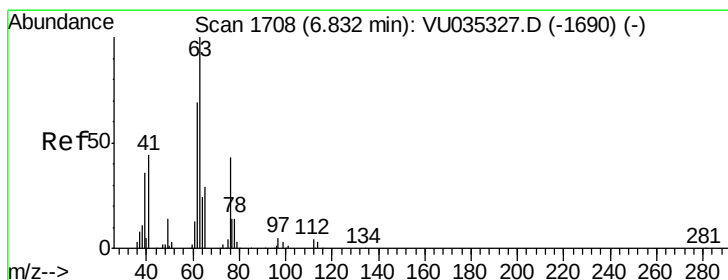
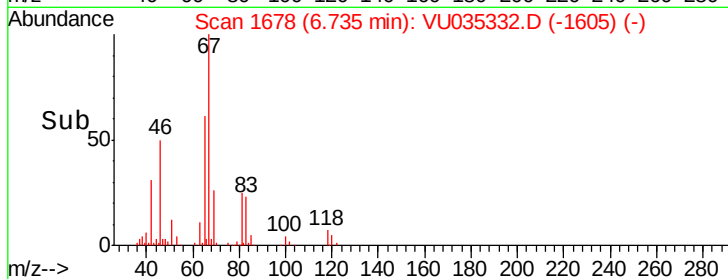
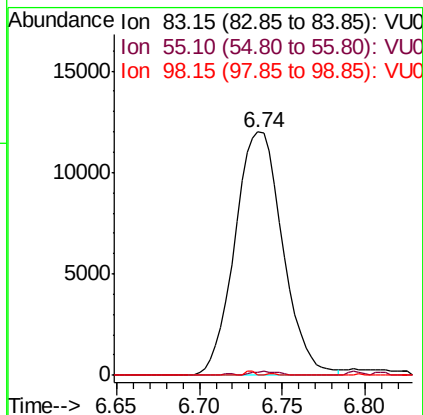
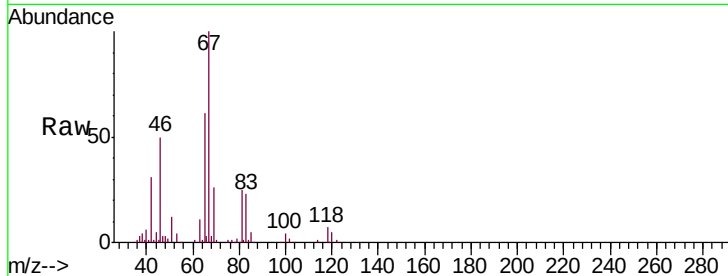




#35
Methylcyclohexane
Concen: 0.636 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035332.D
Acq: 21 Oct 2019 20:06

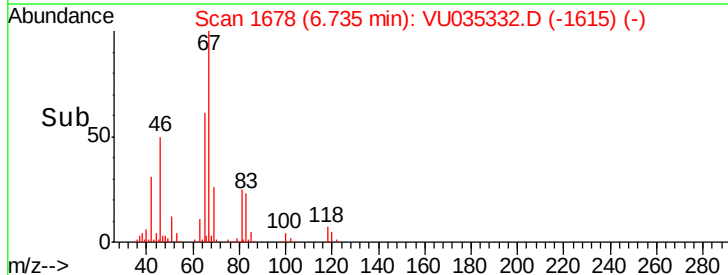
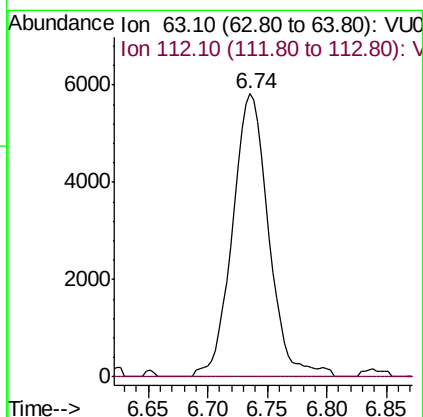
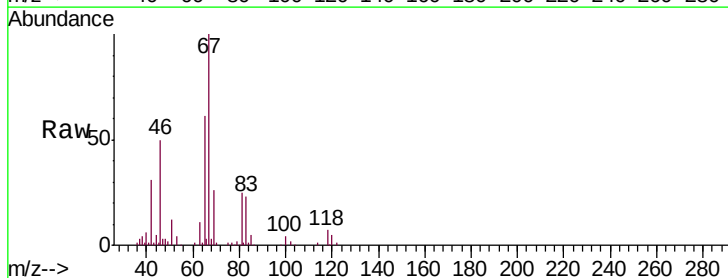
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

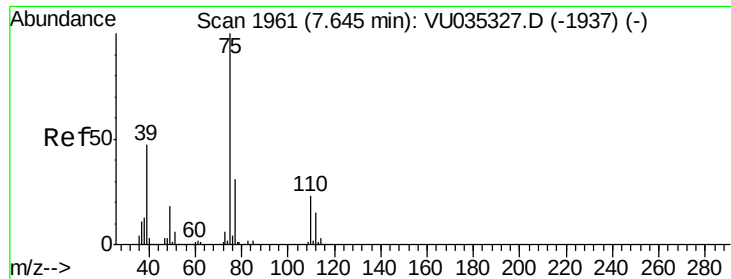
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	60.4	90.6#
98	0.4	39.5	59.3#



#37
1,2-Dichloropropane
Concen: 0.572 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035332.D
Acq: 21 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.7	5.5#

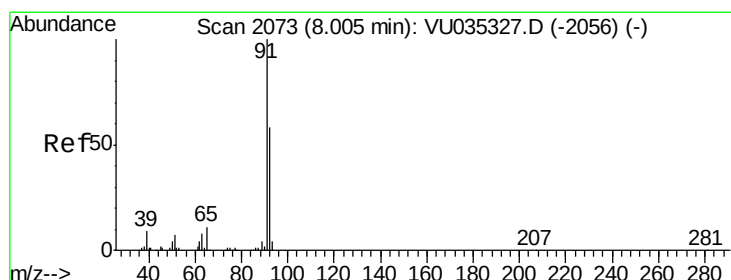
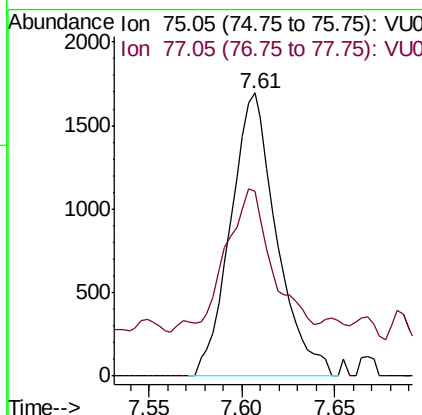
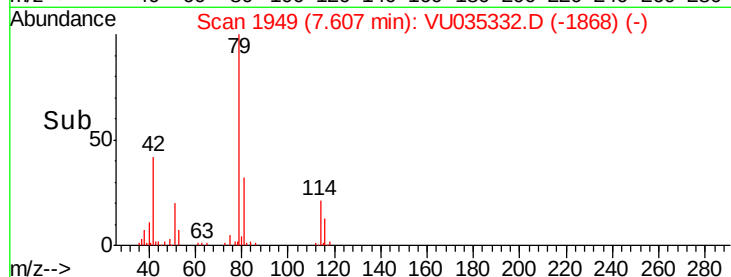
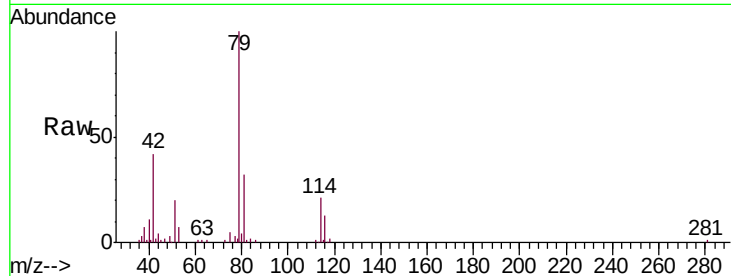




#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035332.D
 Acq: 21 Oct 2019 20:06

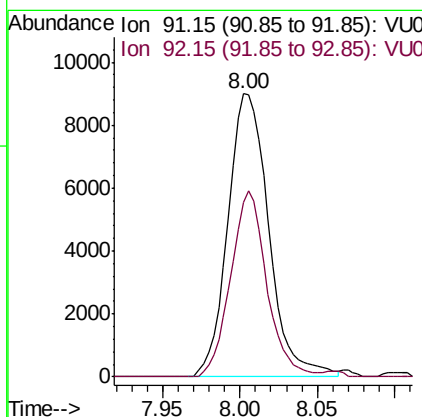
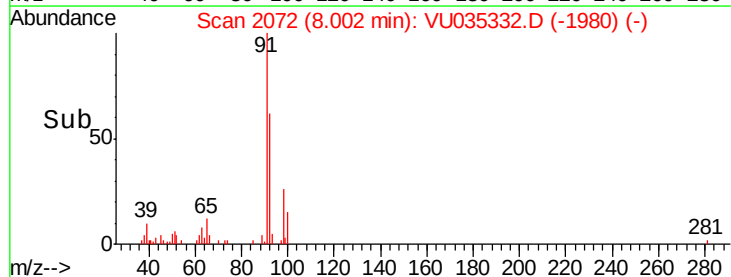
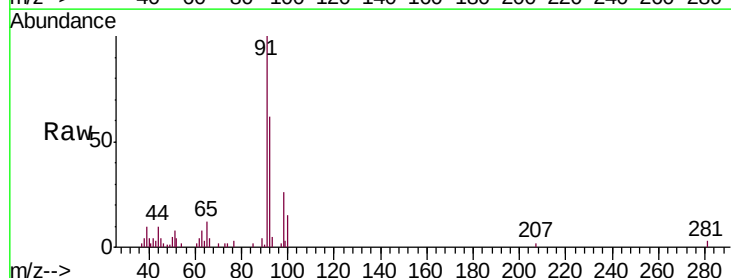
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

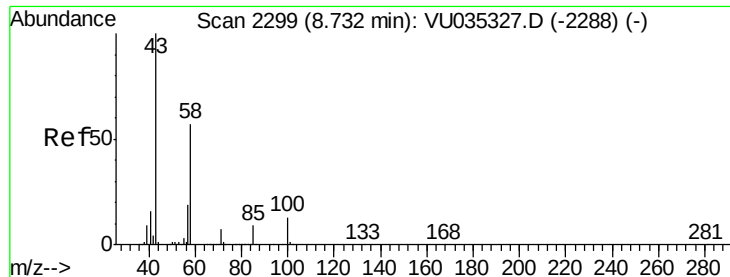
Tgt Ion: 75 Resp: 2917
 Ion Ratio Lower Upper
 75 100
 77 65.5 22.7 42.1#



#42
 Toluene
 Concen: 0.177 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VU035332.D
 Acq: 21 Oct 2019 20:06

Tgt Ion: 91 Resp: 16526
 Ion Ratio Lower Upper
 91 100
 92 61.8 39.9 74.1

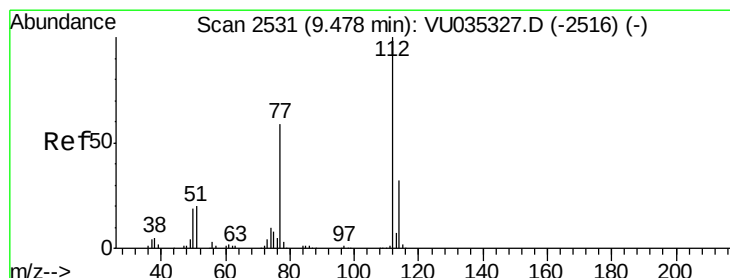
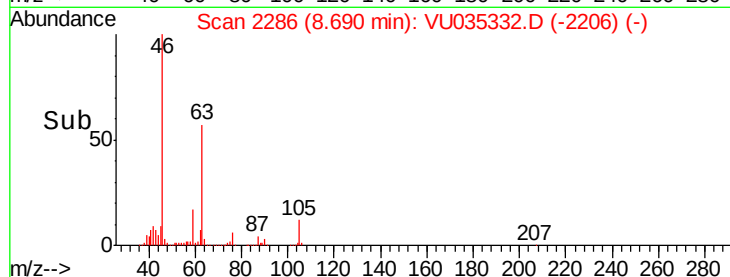
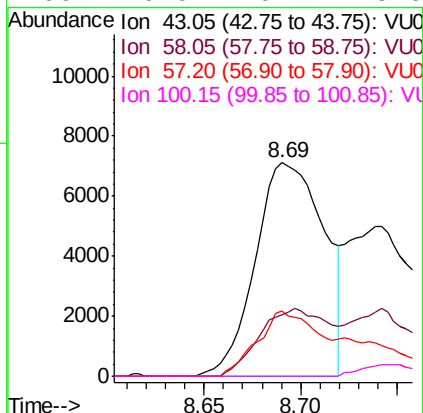
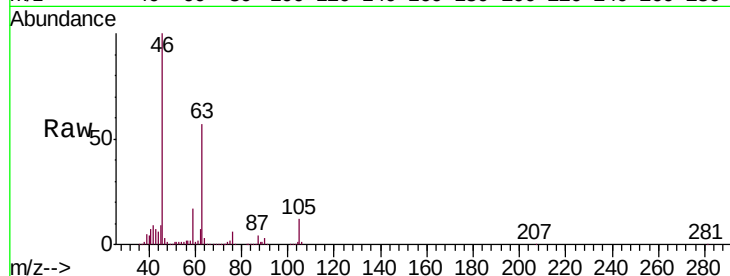




#48
2-Hexanone
Concen: 1.735 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.04 min
Lab File: VU035332.D
Acq: 21 Oct 2019 20:06

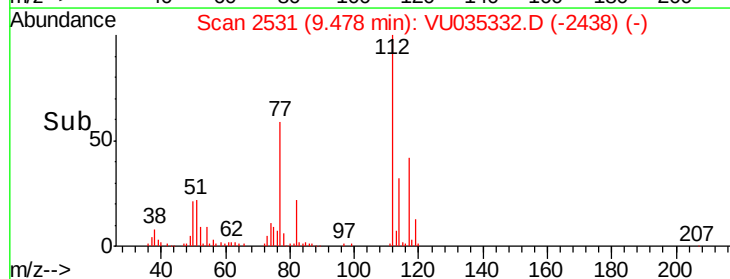
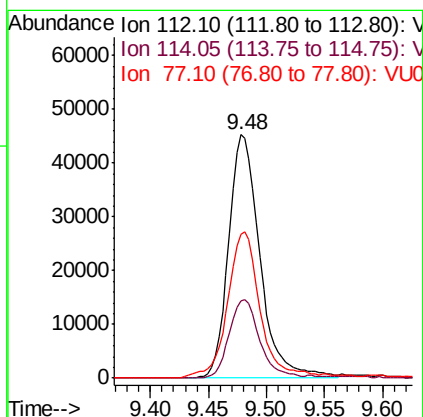
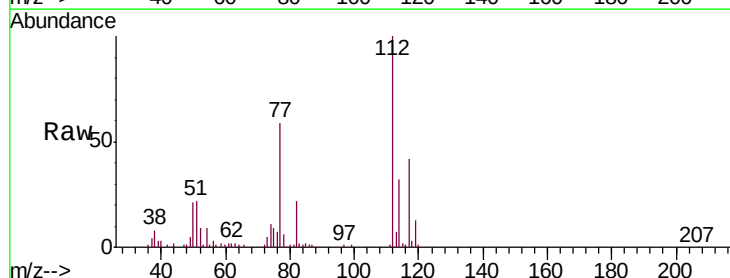
Instrument :
MSVOA_U
ClientSampleId :
C0AA3

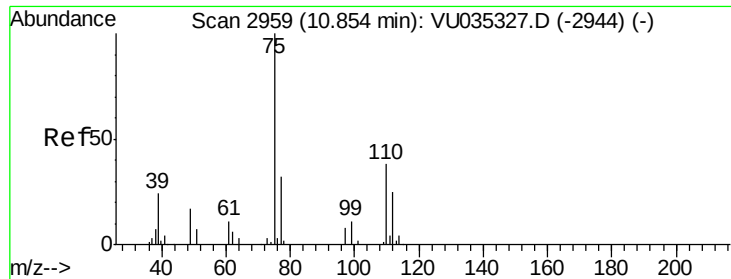
Tgt Ion:	43	Resp:	17610
Ion	Ratio	Lower	Upper
43	100		
58	31.7	45.1	67.7#
57	26.5	16.0	24.0#
100	0.0	10.4	15.6#



#51
Chlorobenzene
Concen: 1.414 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035332.D
Acq: 21 Oct 2019 20:06

Tgt Ion:	112	Resp:	85130
Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.0	42.8
77	58.9	47.5	71.3





#59

1,2,3-Trichloropropane

Concen: 0.958 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035332.D

Acq: 21 Oct 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

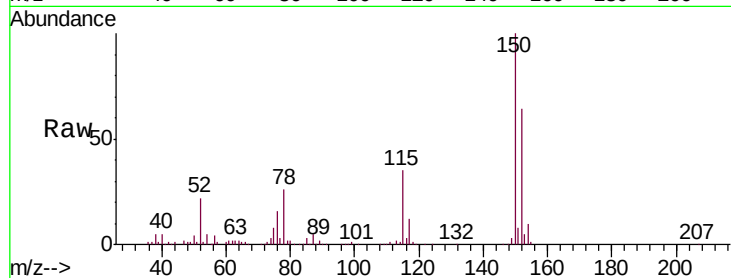
C0AA3

Tgt Ion: 75 Resp: 14311

Ion Ratio Lower Upper

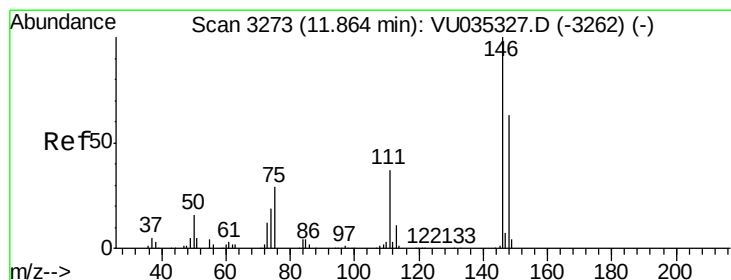
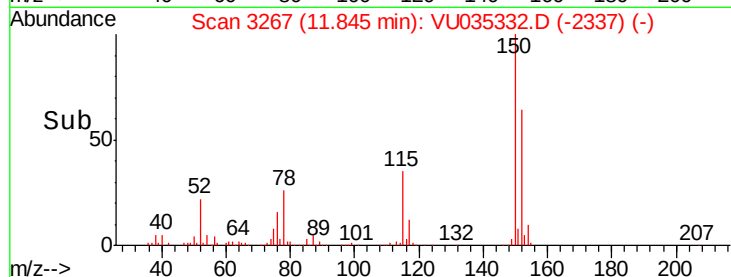
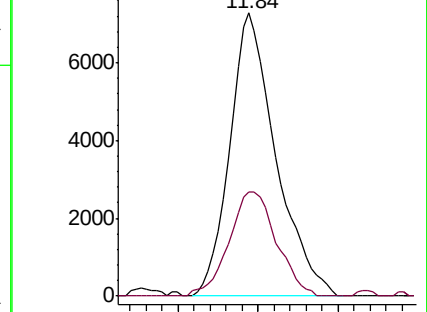
75 100

77 37.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035332.D (-2337) (-)

Ion 77.00 (76.70 to 77.70): VU035332.D (-2337) (-)



#63

1,4-Dichlorobenzene

Concen: 0.103 ug/L

RT: 11.87 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VU035332.D

Acq: 21 Oct 2019 20:06

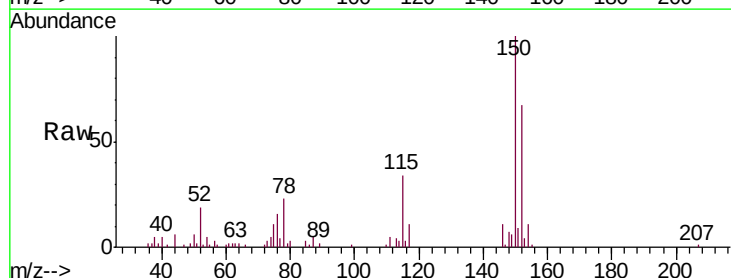
Tgt Ion: 146 Resp: 3683

Ion Ratio Lower Upper

146 100

111 43.3 26.4 49.0

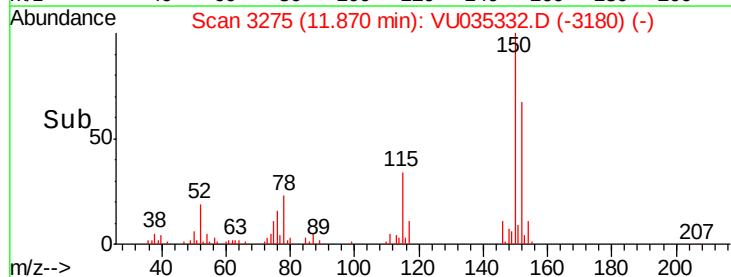
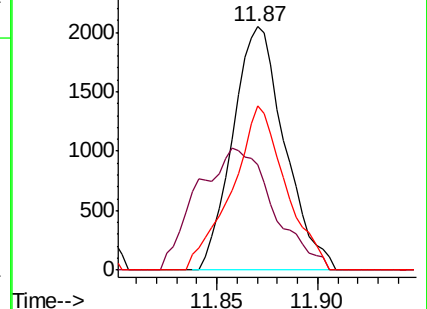
148 67.3 44.7 83.1

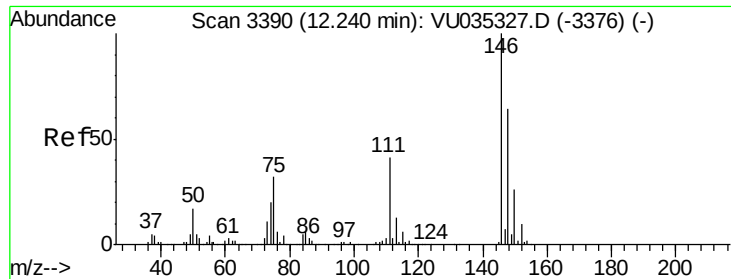


Abundance Ion 145.95 (145.65 to 146.65): VU035332.D (-3180) (-)

Ion 111.00 (110.70 to 111.70): VU035332.D (-3180) (-)

Ion 148.00 (147.70 to 148.70): VU035332.D (-3180) (-)

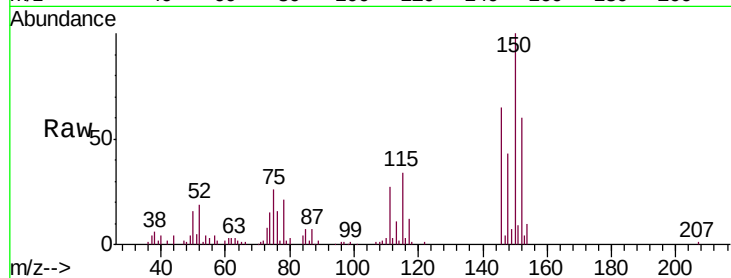




#65
 1,2-Dichlorobenzene
 Concen: 0.997 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035332.D
 Acq: 21 Oct 2019 20:06

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

Tgt Ion:146 Resp: 33978
 Ion Ratio Lower Upper
 146 100
 111 40.7 33.0 49.6
 148 66.0 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

