

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071619\
 Data File : VU033271.D
 Acq On : 16 Jul 2019 18:38
 Operator : JC/SP
 Sample : K3772-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A52P0

Quant Time: Jul 17 06:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 17 04:42:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	129163	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	138412	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	65020	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56286	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.67	69	49287	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.26	63	88591	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.17	46	117321	47.86	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.72%
24) Chloroform-d	4.62	84	92477	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.29	65	51012	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.32	84	177232	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.31	67	58832	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.55	98	154645	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.83	79	23679	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.30	63	96318	47.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	50388	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	61737	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

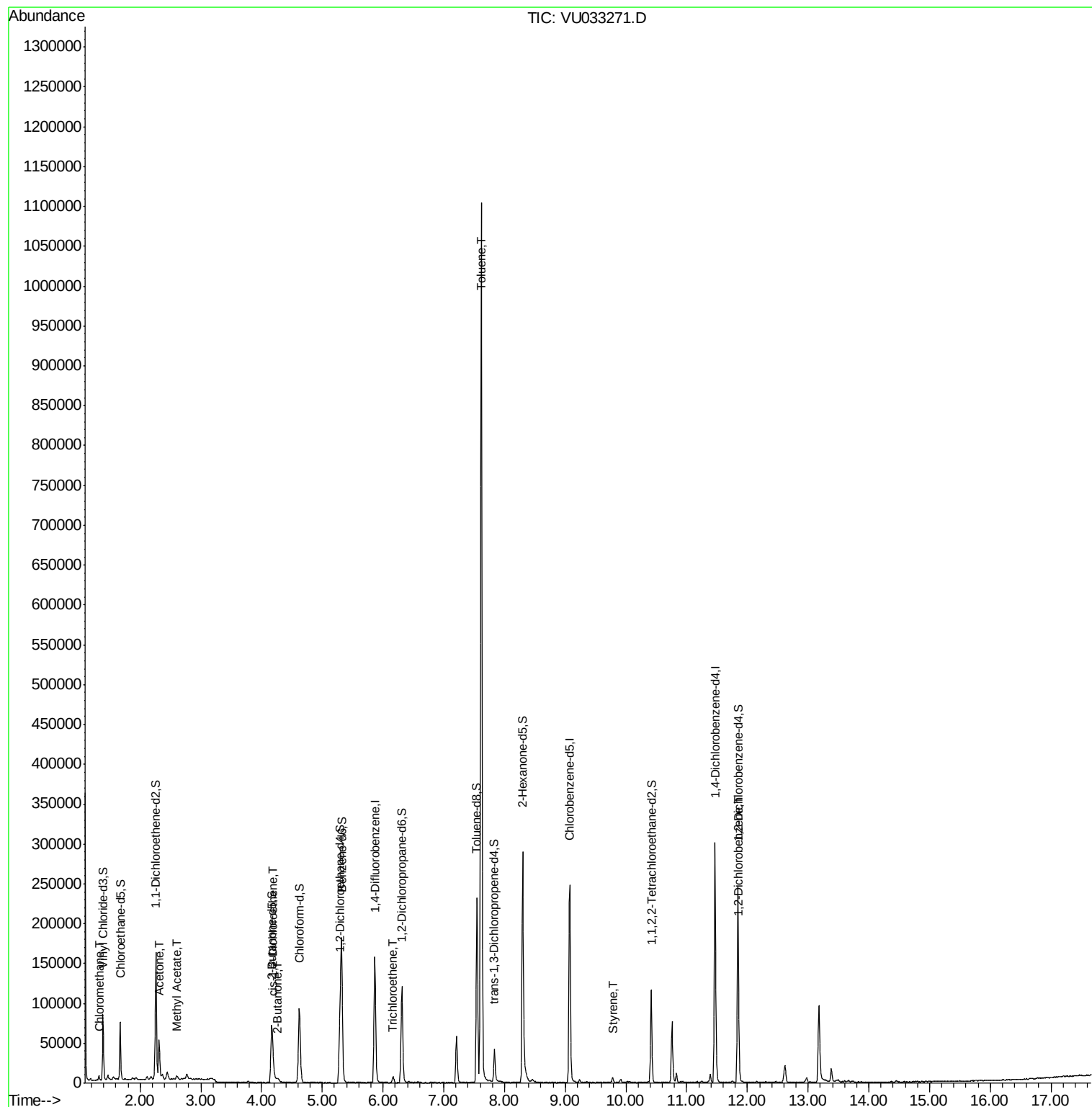
					Ovalue
3) Chloromethane	1.32	50	3623	0.280 ug/L	90
13) Acetone	2.31	43	50597	23.576 ug/L	98
15) Methyl Acetate	2.60	43	4687	0.874 ug/L	99
21) 2-Butanone	4.27	43	8418	3.413 ug/L	95
22) cis-1,2-Dichloroethene	4.19	96	1364	0.138 ug/L	84
34) Trichloroethene	6.16	95	2410	0.232 ug/L #	75
42) Toluene	7.62	91	794311	18.876 ug/L	100
55) Styrene	9.78	104	3262	0.116 ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	3803	0.197 ug/L	95

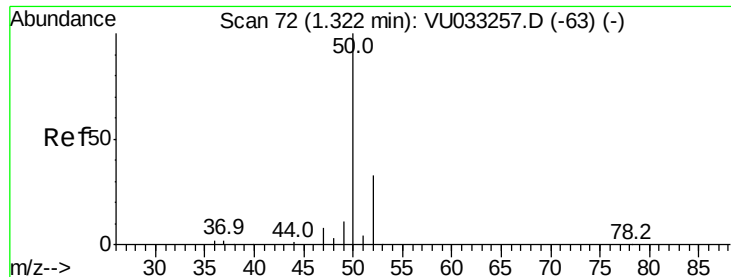
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.280 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

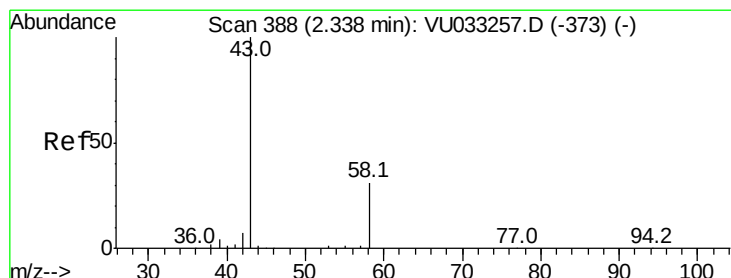
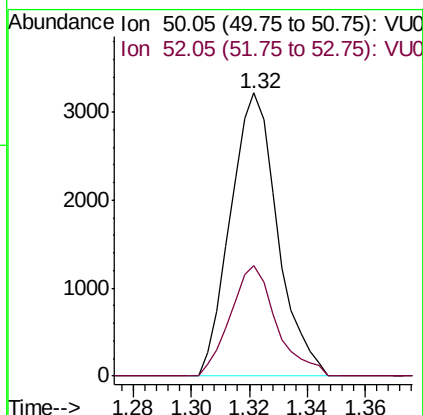
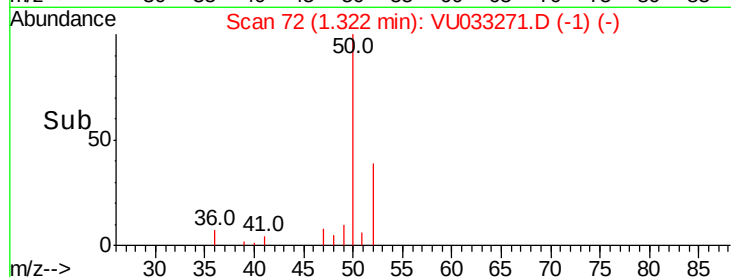
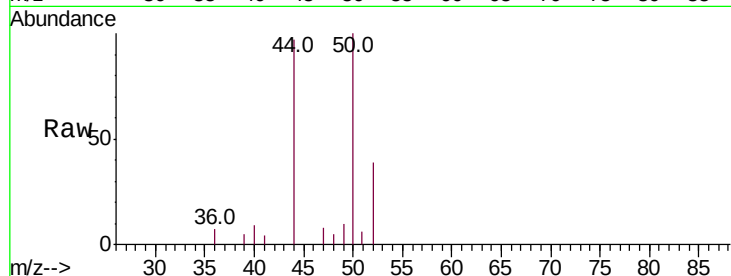
A52P0

Tot Ion: 50 Resp: 3623

Ion Ratio Lower Upper

50 100

52 39.2 23.3 43.3



#13

Acetone

Concen: 23.576 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.03 min

Lab File: VU033271.D

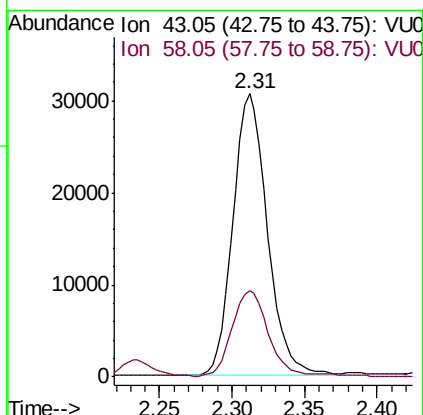
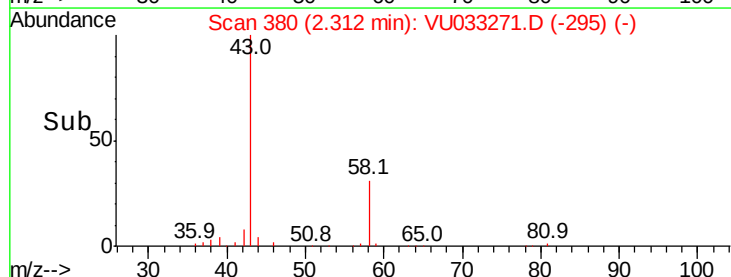
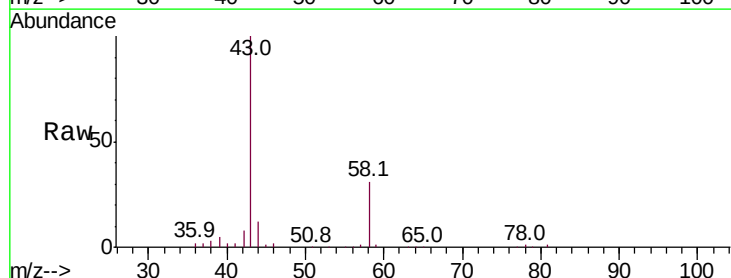
Acq: 16 Jul 2019 18:38

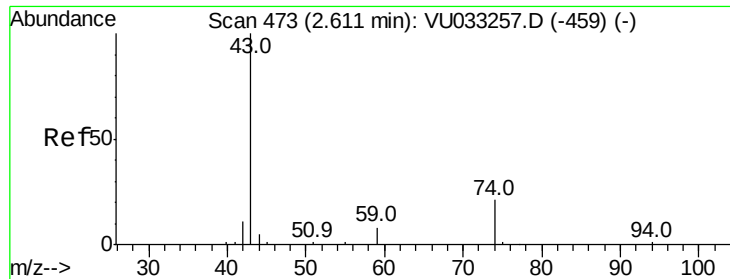
Tgt Ion: 43 Resp: 50597

Ion Ratio Lower Upper

43 100

58 32.1 0.0 66.6

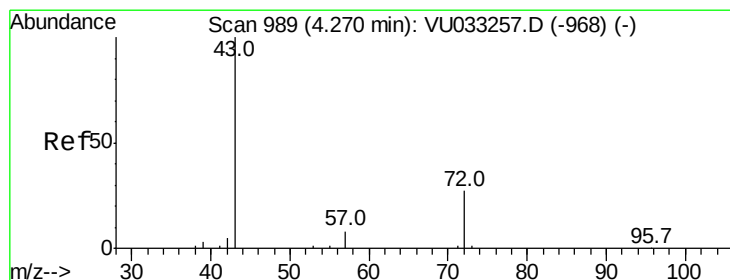
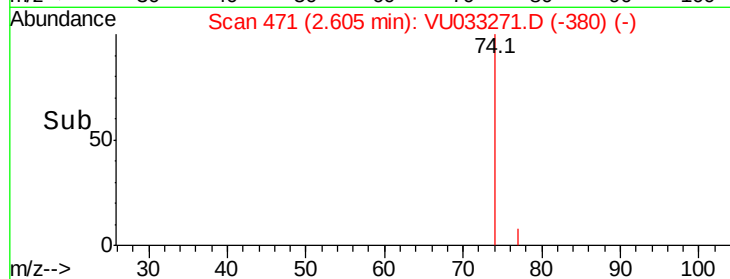
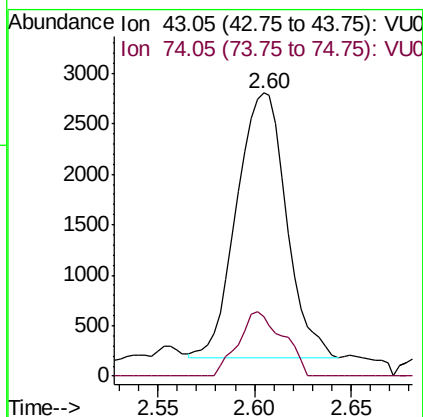
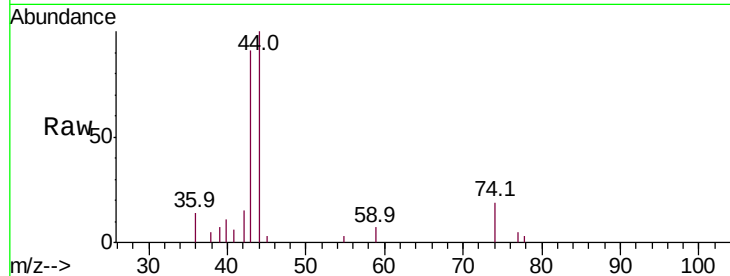




#15
Methvl Acetate
Concen: 0.874 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.01 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

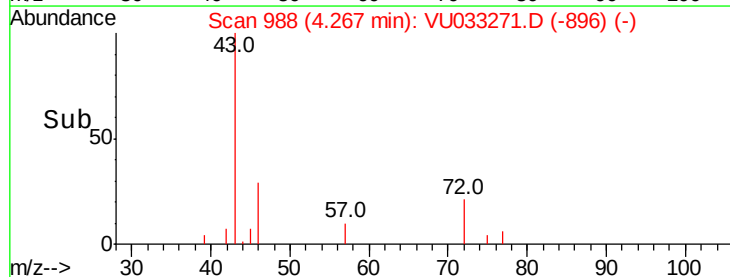
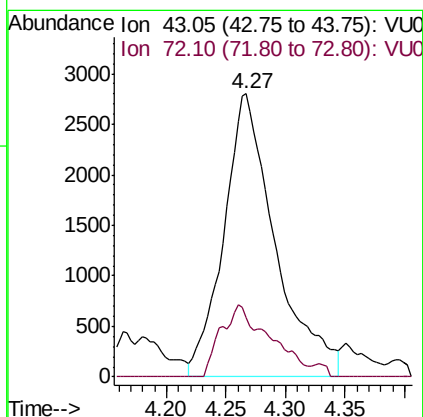
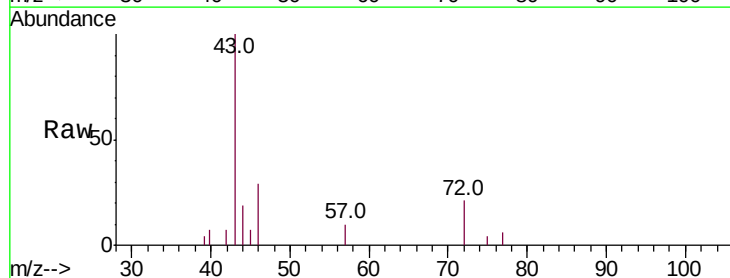
Instrument :
MSVOA_U
ClientSampleId :
A52P0

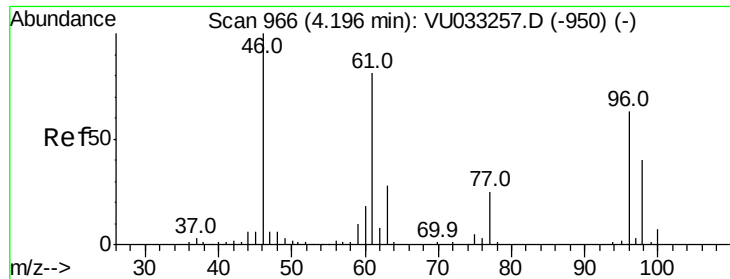
Tot Ion: 43 Resp: 4687
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8



#21
2-Butanone
Concen: 3.413 ug/L
RT: 4.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Tgt Ion: 43 Resp: 8418
Ion Ratio Lower Upper
43 100
72 24.1 13.5 40.4



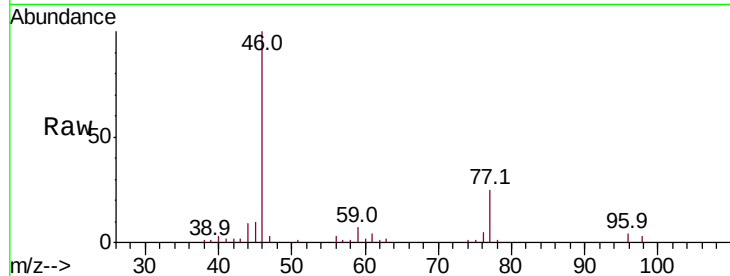


#22

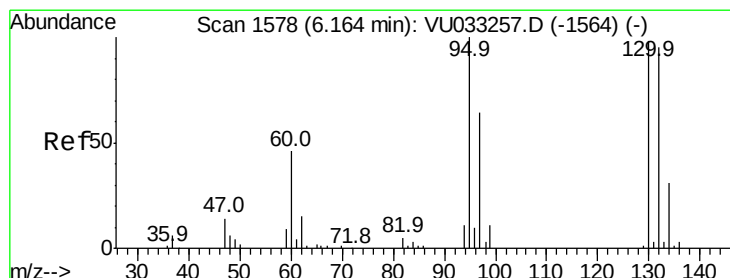
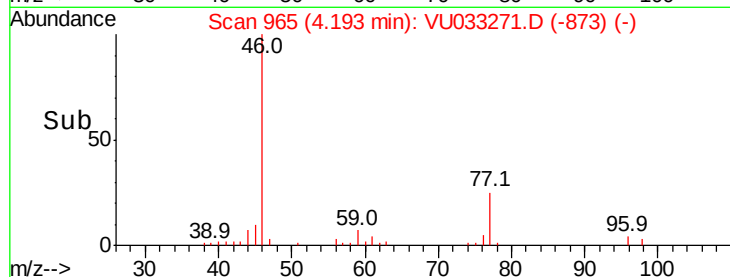
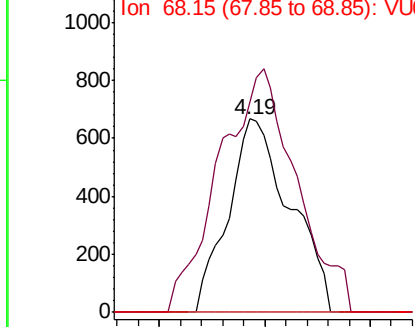
cis-1,2-Dichloroethene
Concen: 0.138 ug/L
RT: 4.19 min Scan# 965
Delta R.T. -0.00 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_U
ClientSampled :
A52P0

Tot Ion: 96 Resp: 1364
Ion Ratio Lower Upper
96 100
61 108.7 89.2 165.6
68 0.0 0.0 0.0



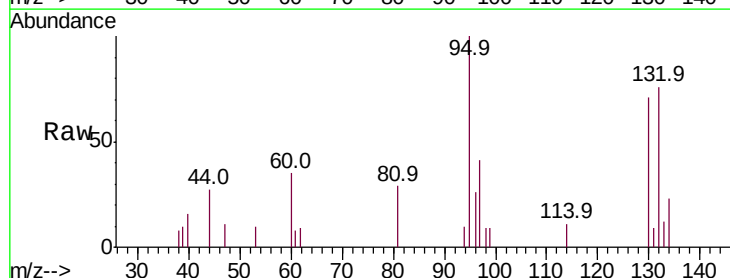
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



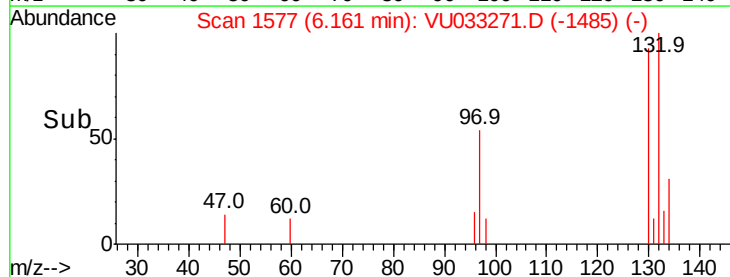
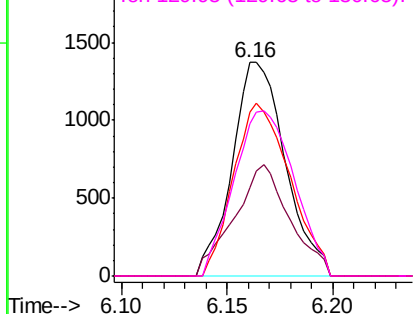
#34

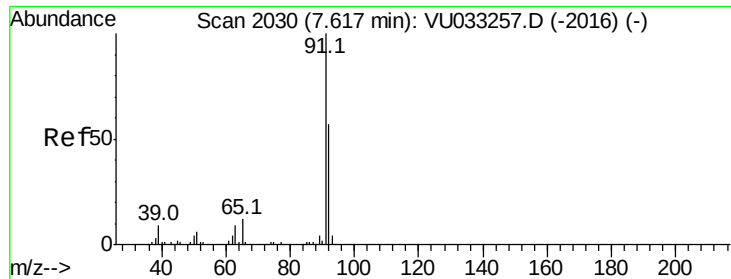
Trichloroethene
Concen: 0.232 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Tgt Ion: 95 Resp: 2410
Ion Ratio Lower Upper
95 100
97 41.3 44.5 82.7#
132 76.5 66.6 123.8
130 71.2 68.9 127.9



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





#42

Toluene

Concen: 18.876 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

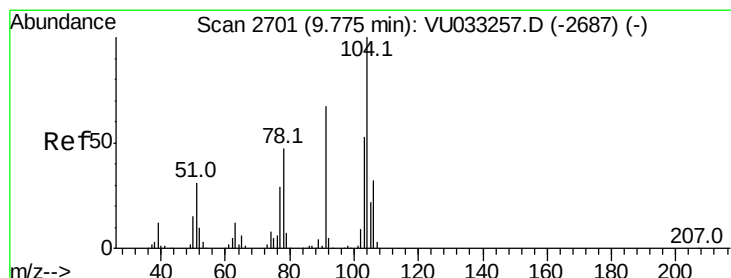
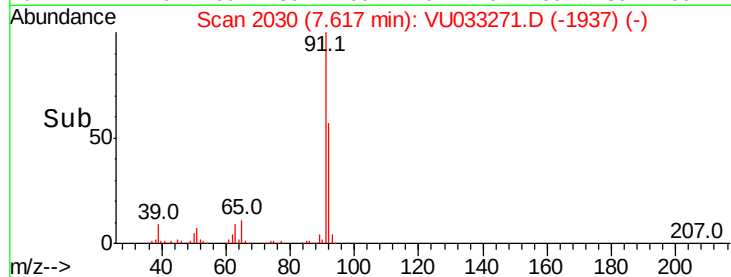
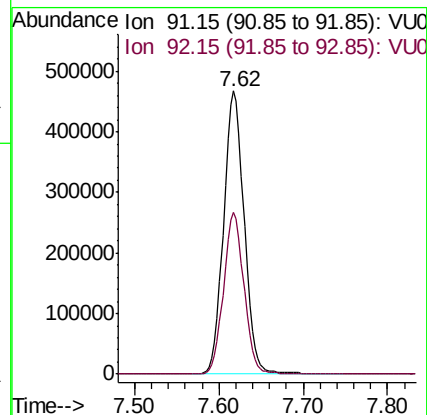
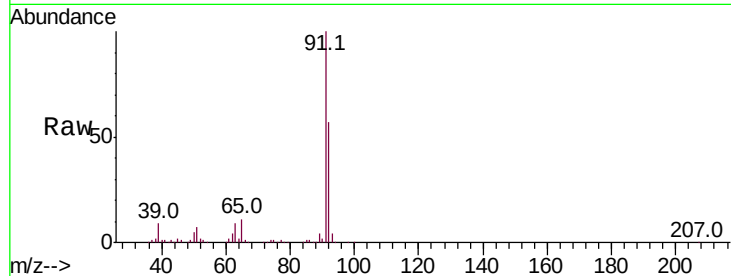
A52P0

Tot Ion: 91 Resp: 794311

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#55

Styrene

Concen: 0.116 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU033271.D

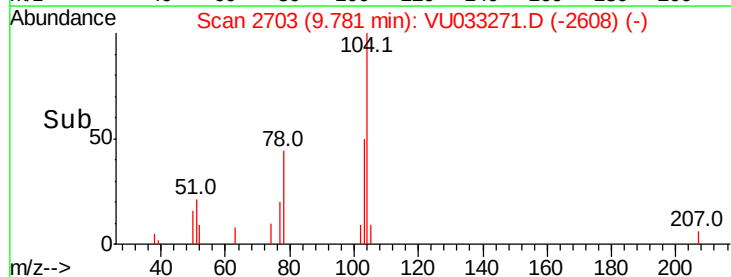
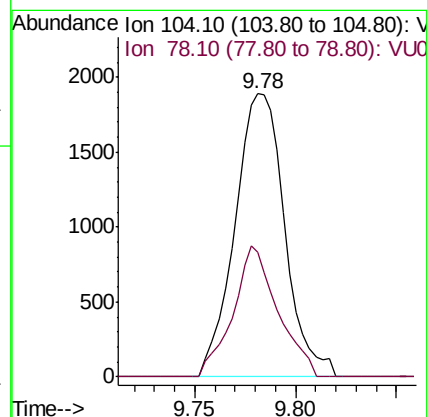
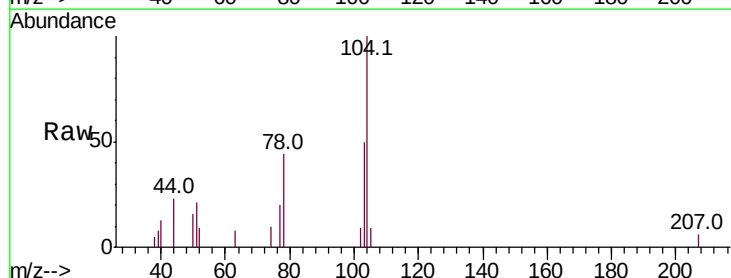
Acq: 16 Jul 2019 18:38

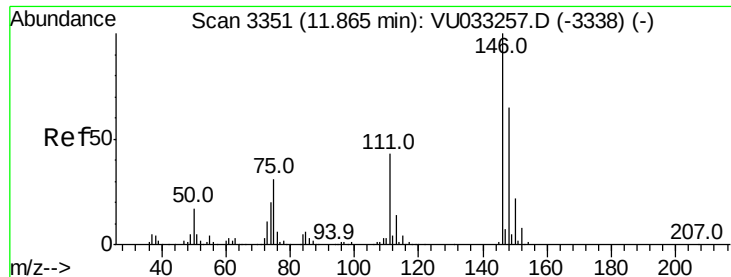
Tgt Ion: 104 Resp: 3262

Ion Ratio Lower Upper

104 100

78 44.0 32.8 60.8





#65

1,2-Dichlorobenzene

Concen: 0.197 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

A52P0

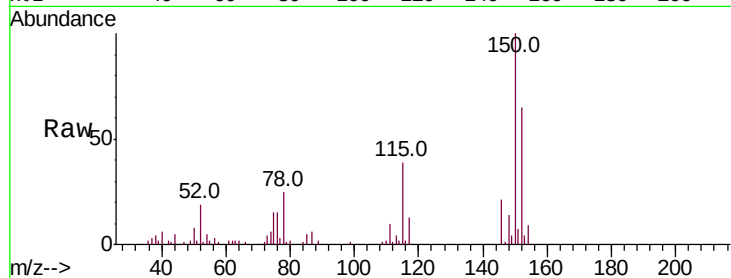
Tot Ion:146 Resp: 3803

Ion Ratio Lower Upper

146 100

111 46.5 34.2 51.4

148 68.1 52.0 78.0



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

