

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 04:49:44 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

						Qvalue
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
35) Methylcyclohexane	6.31	83	13667	0.874	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6437	0.607	ug/L #	88
42) Toluene	7.62	91	794311	18.876	ug/L	100
44) trans-1,3-Dichloropropene	7.83	75	1010	0.083	ug/L	85
48) 2-Hexanone	8.36	43	5181	1.166	ug/L #	54
55) Styrene	9.78	104	3262	0.116	ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	9460	1.369	ug/L #	55
62) 1,3-Dichlorobenzene	11.49	146	2655	0.137	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	3803	0.197	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.62	75	3622	2.481	ug/L #	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

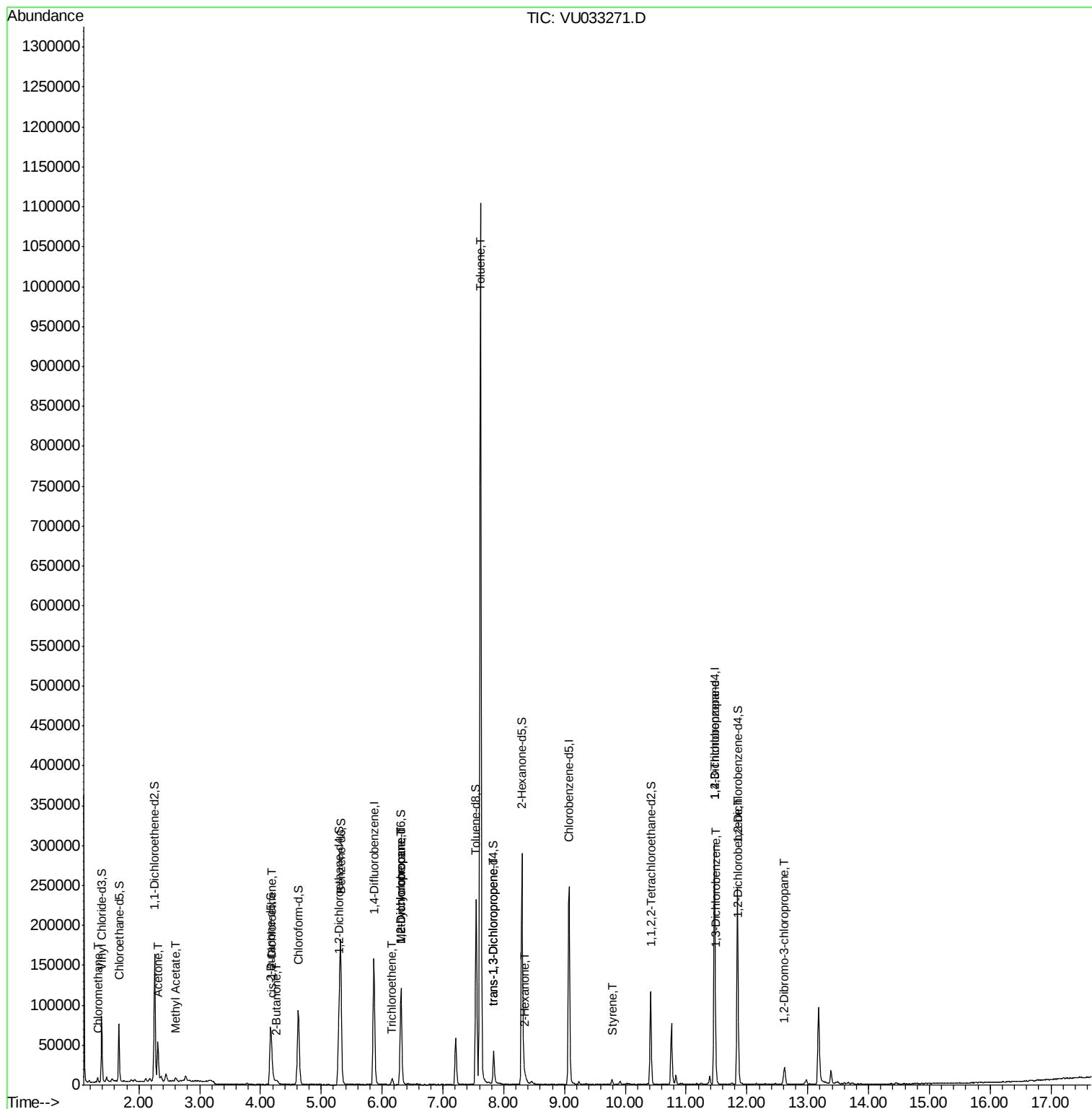
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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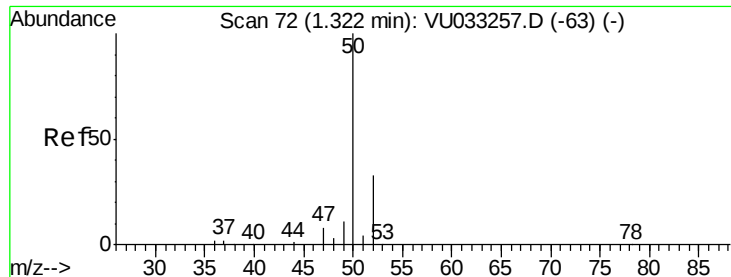
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

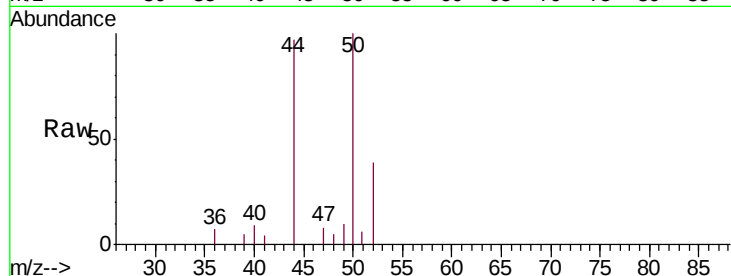
A52P0

Tgt Ion: 50 Resp: 3623

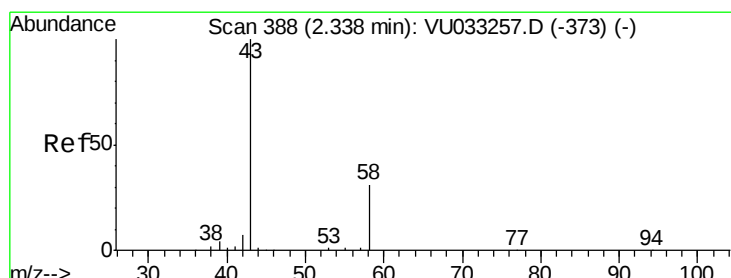
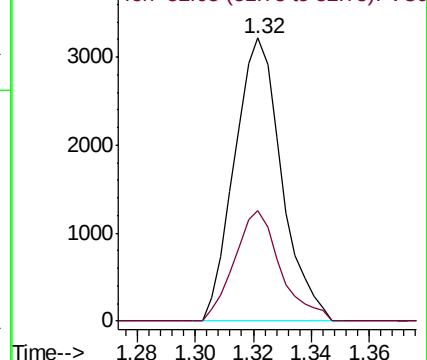
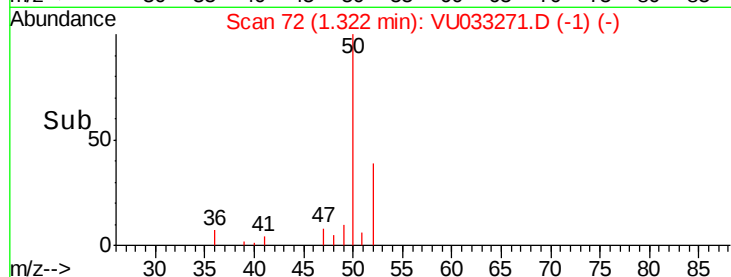
Ion Ratio Lower Upper

50 100

52 39.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033271.D (-1) (-)



#13

Acetone

Concen: 23.576 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.03 min

Lab File: VU033271.D

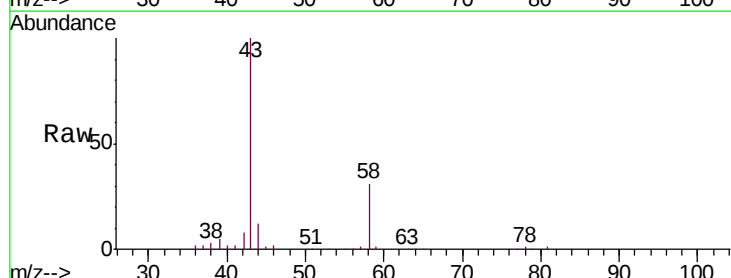
Acq: 16 Jul 2019 18:38

Tgt Ion: 43 Resp: 50597

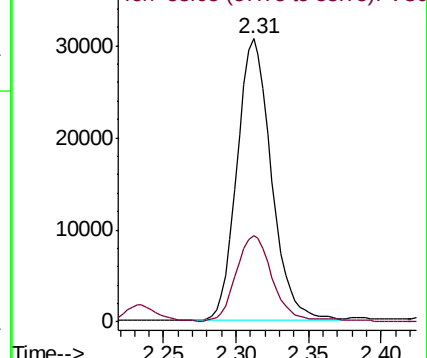
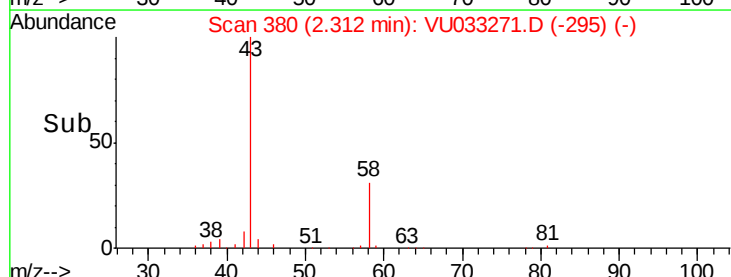
Ion Ratio Lower Upper

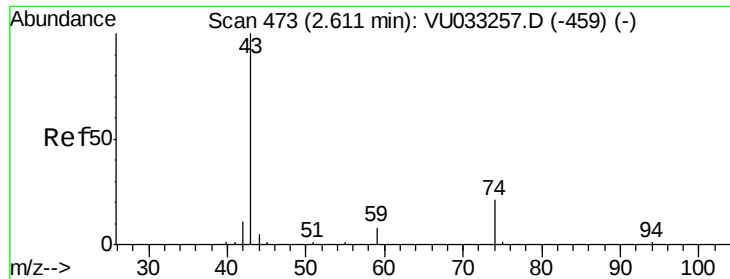
43 100

58 32.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033271.D (-295) (-)

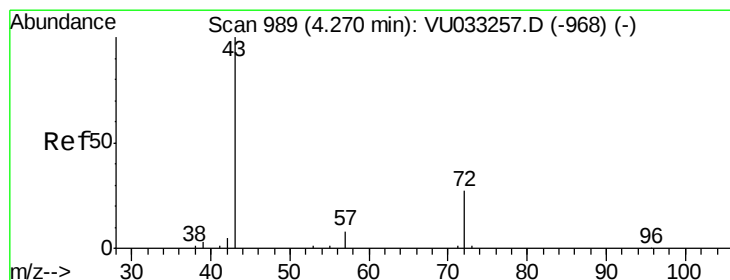
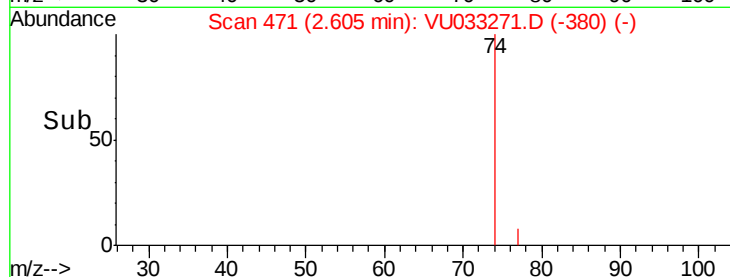
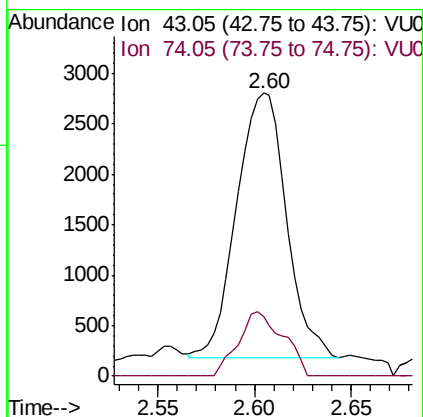
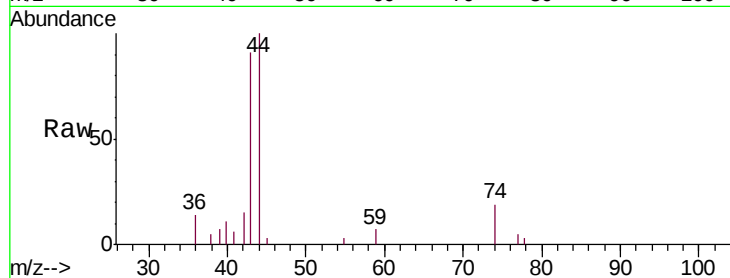




#15
Methyl Acetate
Concen: 0.874 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.01 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

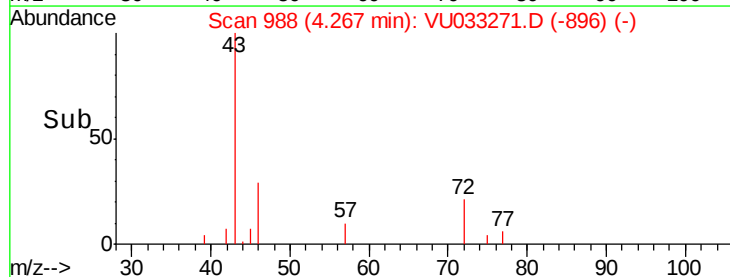
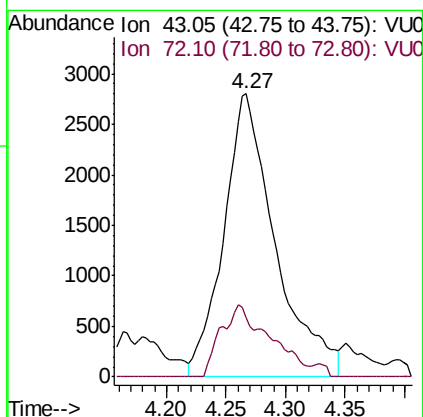
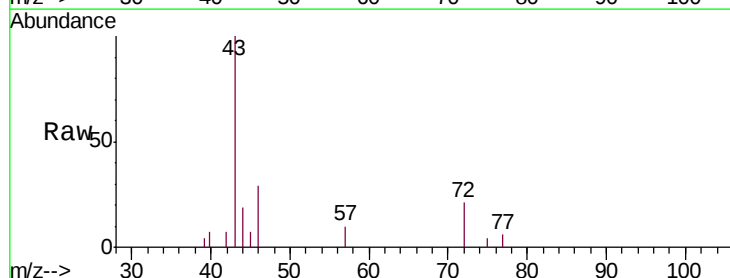
Instrument :
MSVOA_U
ClientSampleId :
A52P0

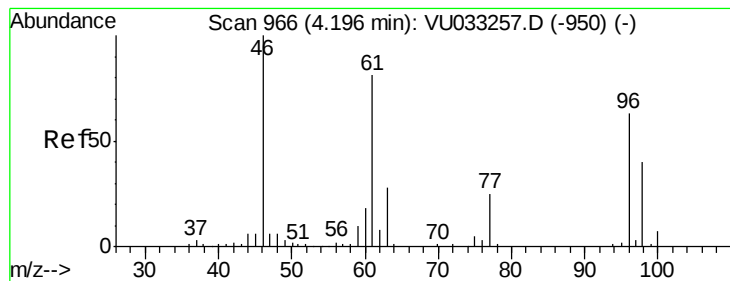
Tgt Ion: 43 Resp: 4687
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8



#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



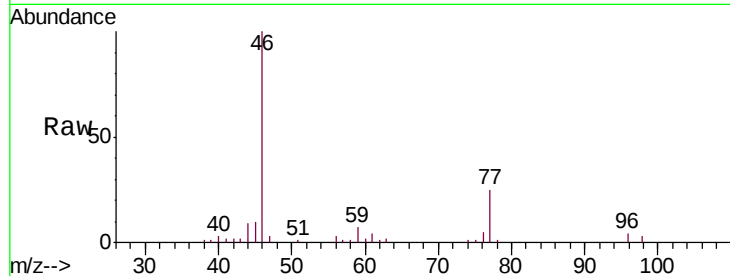


#22

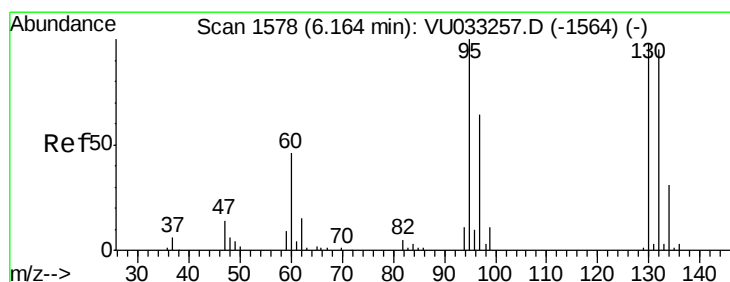
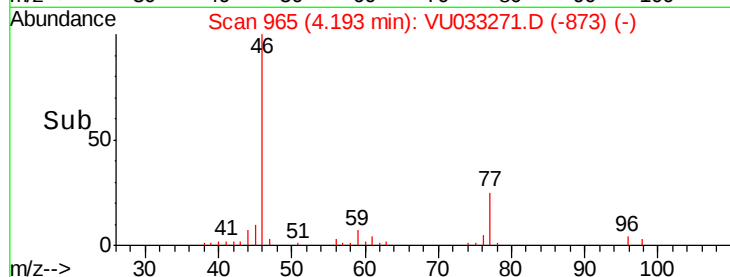
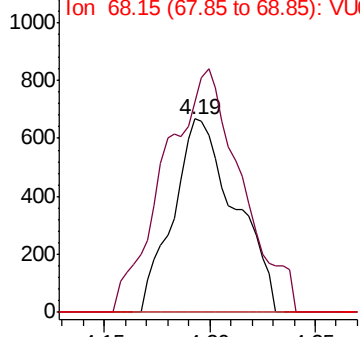
cis-1,2-Dichloroethene
Concen: 0.138 ug/L
RT: 4.19 min Scan# 965
Delta R.T. -0.00 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_U
ClientSampled :
A52P0

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



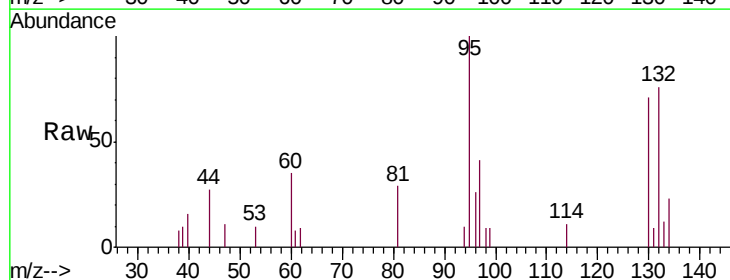
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



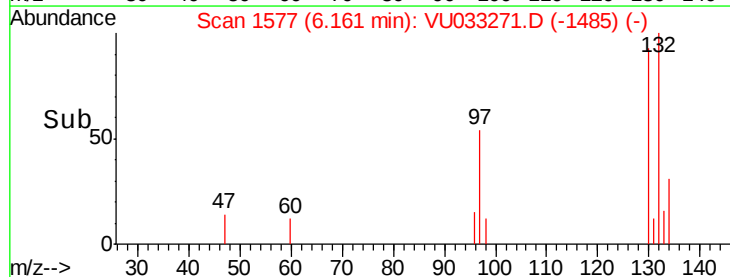
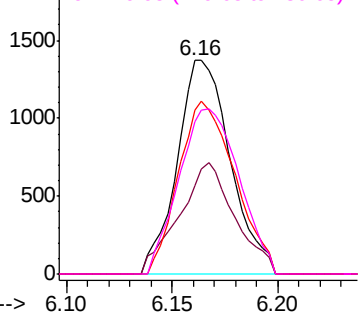
#34

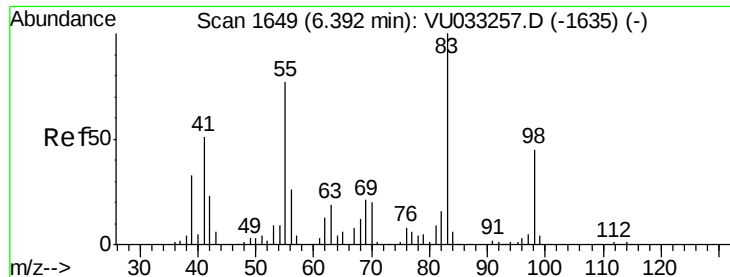
Trichloroethene
Concen: 0.232 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

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

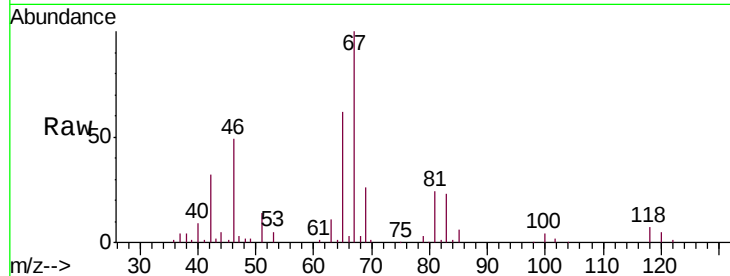




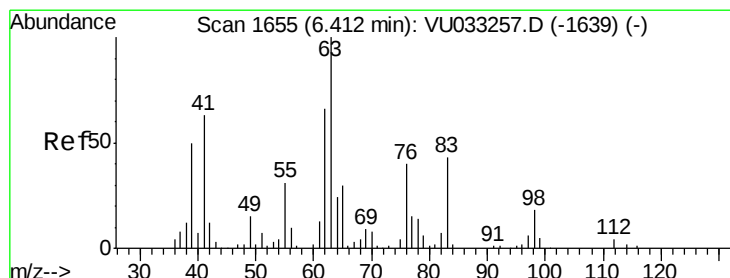
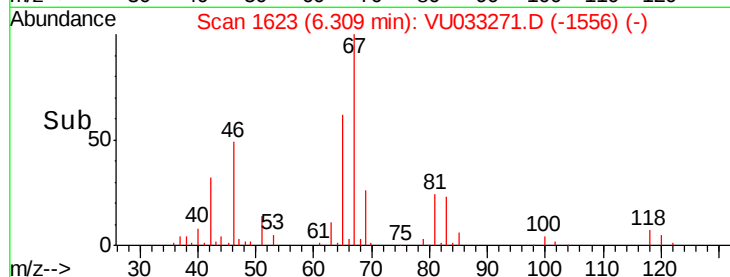
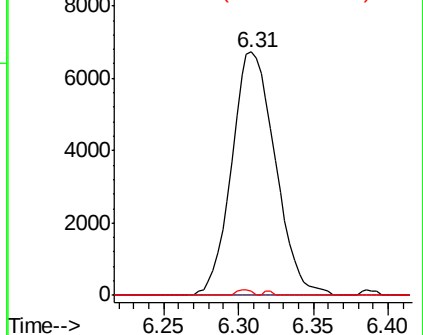
#35
Methylcyclohexane
Concen: 0.874 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Instrument :
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Tgt Ion: 83 Resp: 13667
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.7 36.2 54.2#

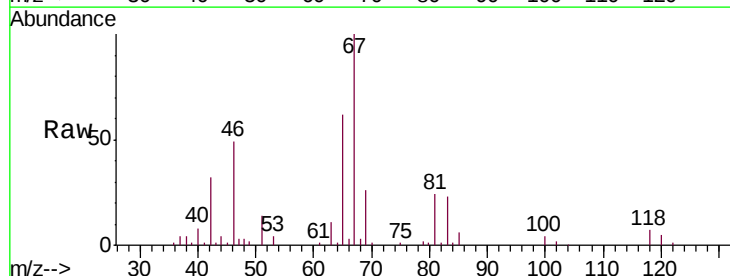


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

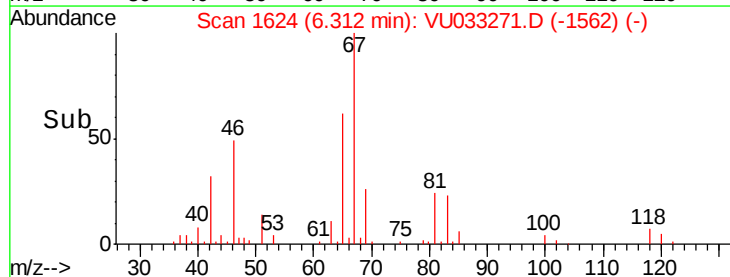
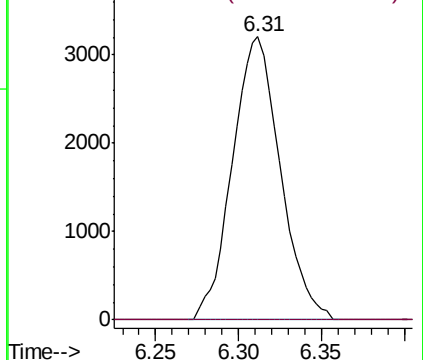


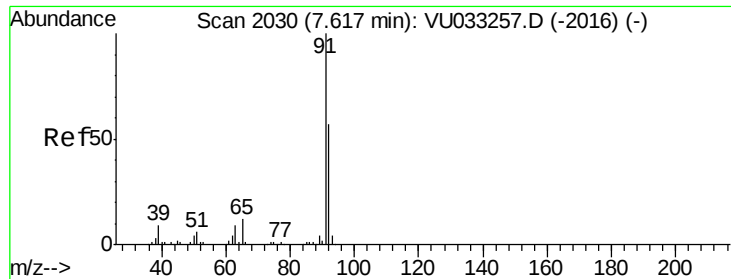
#37
1,2-Dichloropropane
Concen: 0.607 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU033271.D
Acq: 16 Jul 2019 18:38

Tgt Ion: 63 Resp: 6437
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): 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 :

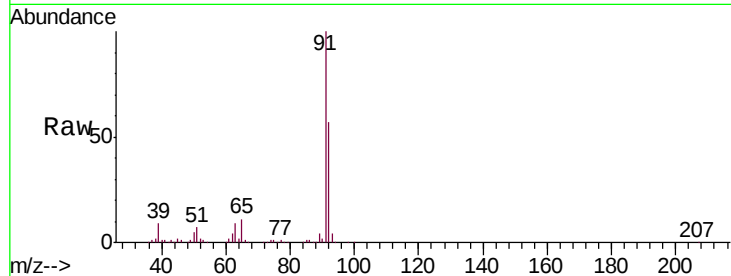
A52P0

Tgt Ion: 91 Resp: 794311

Ion Ratio Lower Upper

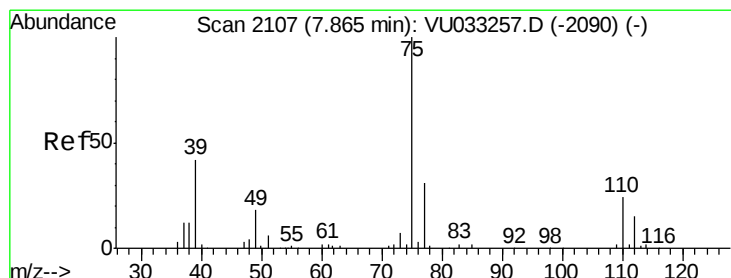
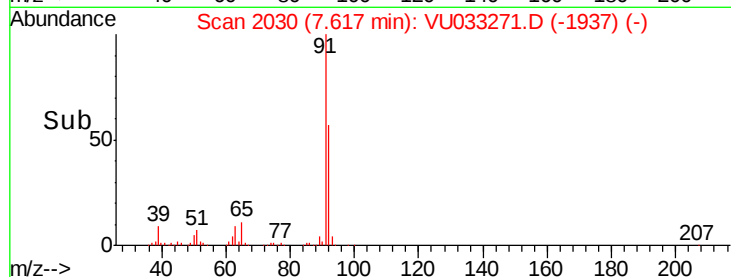
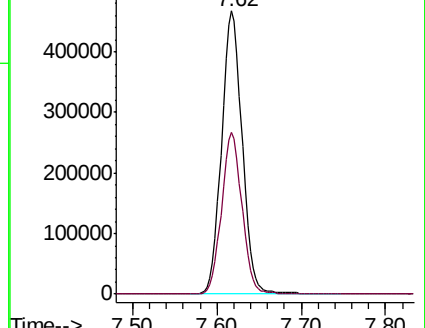
91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033271.D (-1937) (-)

Ion 92.15 (91.85 to 92.85): VU033271.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033271.D

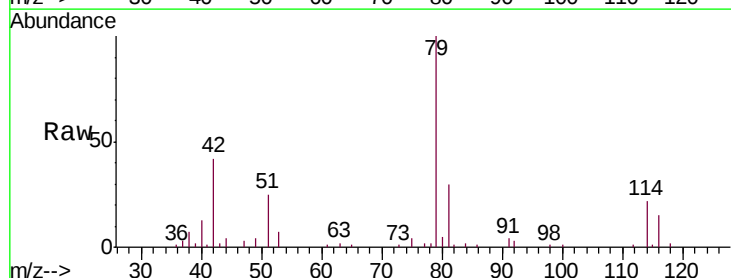
Acq: 16 Jul 2019 18:38

Tgt Ion: 75 Resp: 1010

Ion Ratio Lower Upper

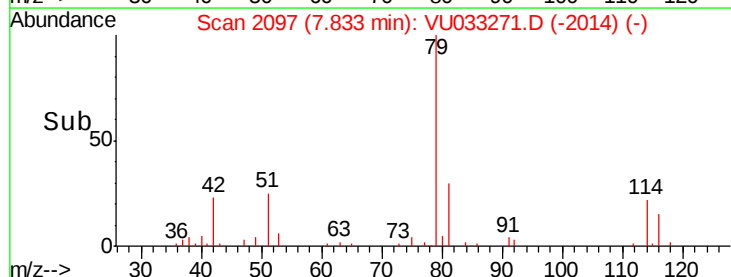
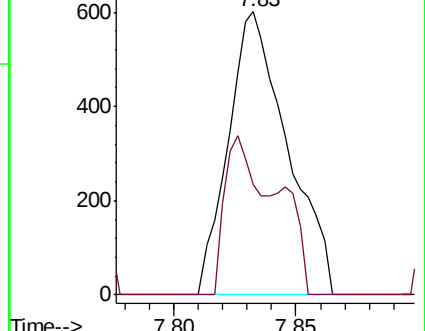
75 100

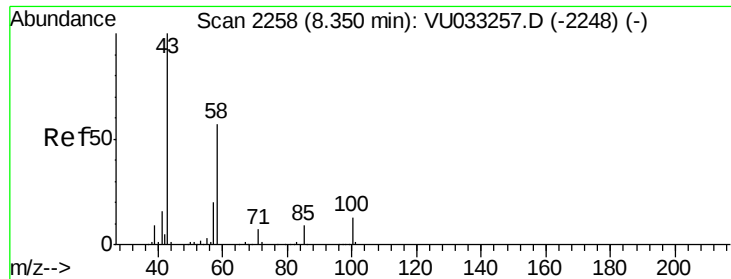
77 38.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU033271.D (-2014) (-)

Ion 77.05 (76.75 to 77.75): VU033271.D (-2014) (-)

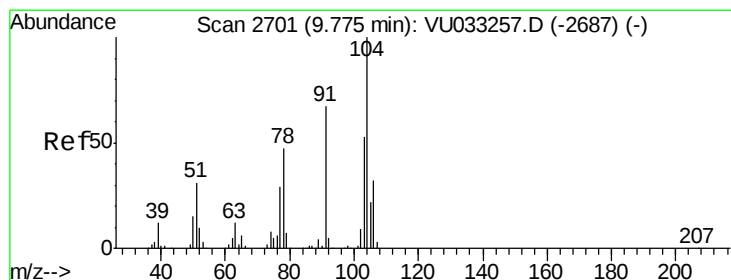
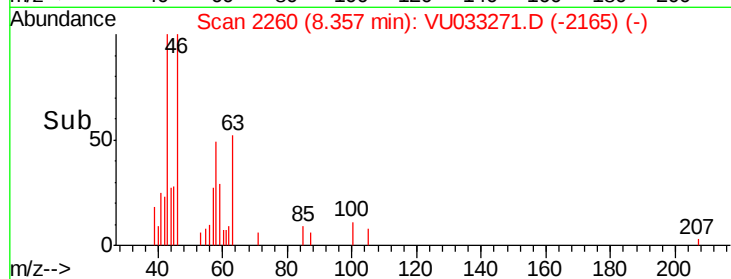
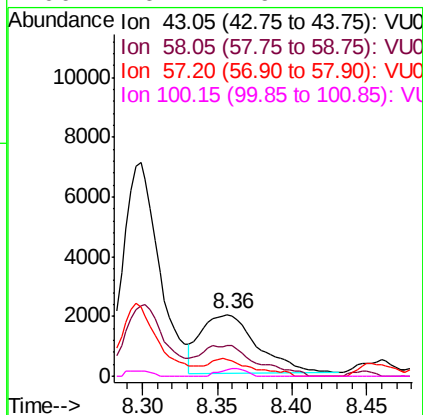
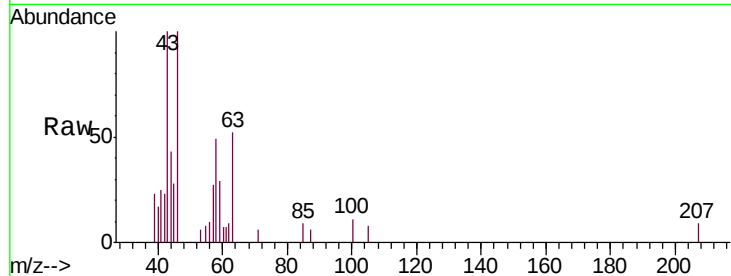




#48
 2-Hexanone
 Concen: 1.166 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033271.D
 Acq: 16 Jul 2019 18:38

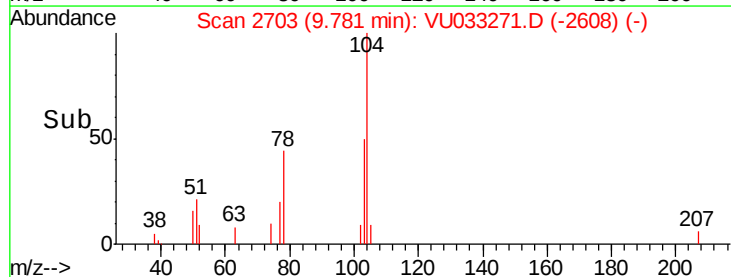
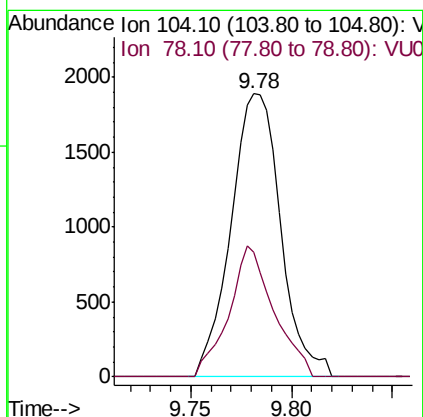
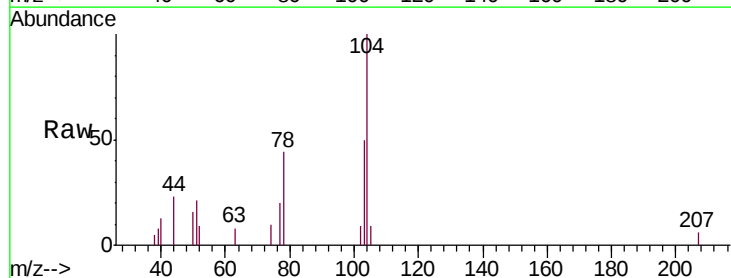
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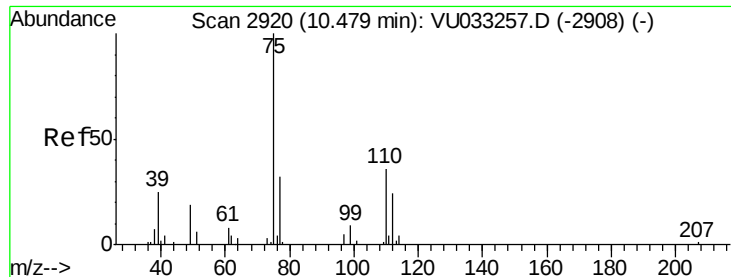
Tgt Ion: 43 Resp: 5181
 Ion Ratio Lower Upper
 43 100
 58 7.5 44.1 66.1#
 57 23.4 15.8 23.8
 100 6.4 9.4 14.2#



#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





#59

1,2,3-Trichloropropane

Concen: 1.369 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

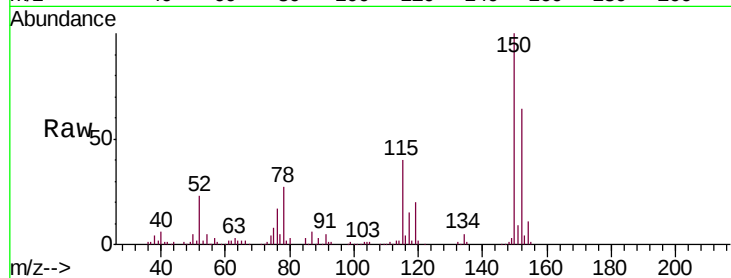
A52P0

Tgt Ion: 75 Resp: 9460

Ion Ratio Lower Upper

75 100

77 58.7 26.5 39.7#

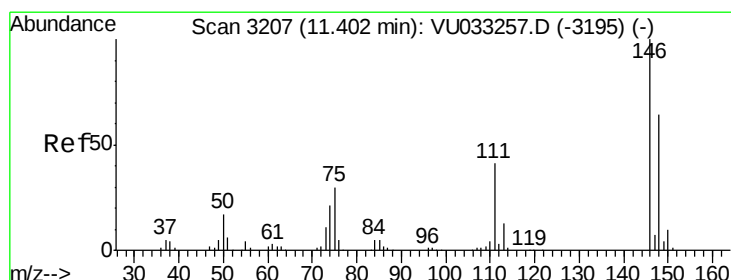
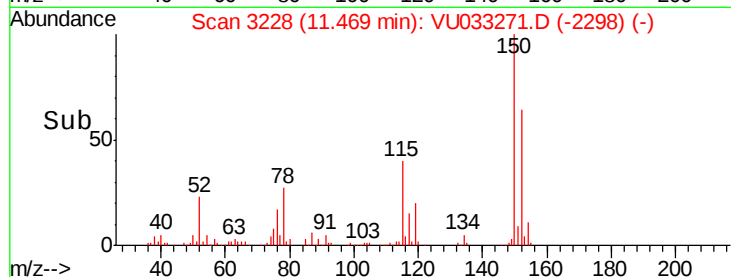


Abundance Ion 75.00 (74.70 to 75.70): VU033271.D (-2298) (-)

Ion 77.00 (76.70 to 77.70): VU033271.D (-2298) (-)

11.47

Time-->



#62

1,3-Dichlorobenzene

Concen: 0.137 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.09 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

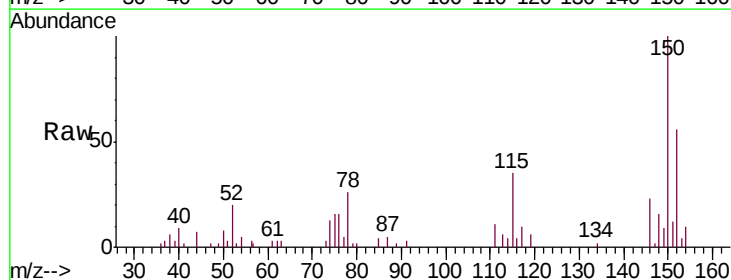
Tgt Ion: 146 Resp: 2655

Ion Ratio Lower Upper

146 100

111 45.1 28.6 53.2

148 66.6 45.0 83.6



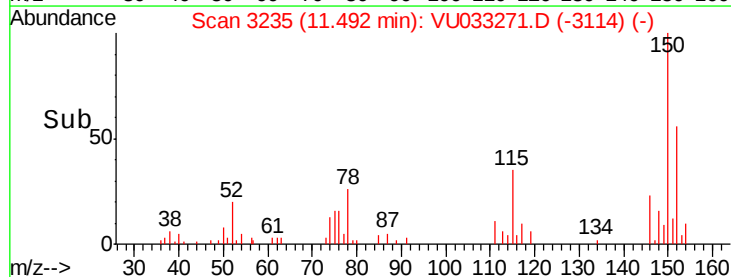
Abundance Ion 145.95 (145.65 to 146.65): VU033271.D (-3114) (-)

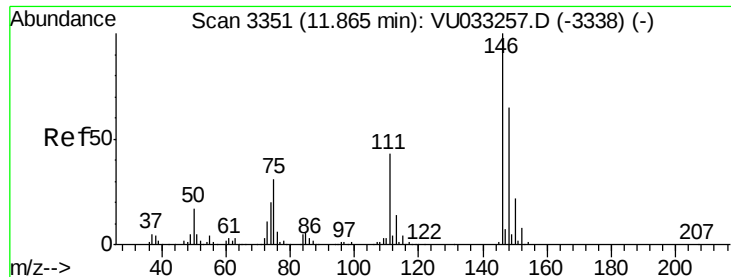
Ion 111.00 (110.70 to 111.70): VU033271.D (-3114) (-)

Ion 148.00 (147.70 to 148.70): VU033271.D (-3114) (-)

11.49

Time-->





#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

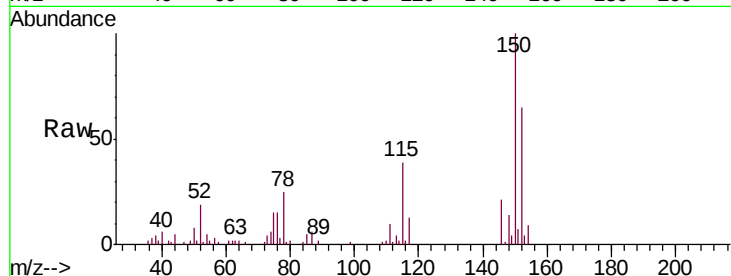
Tgt Ion:146 Resp: 3803

Ion Ratio Lower Upper

146 100

111 46.5 34.2 51.4

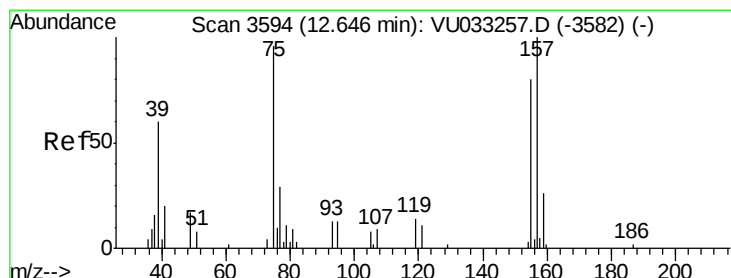
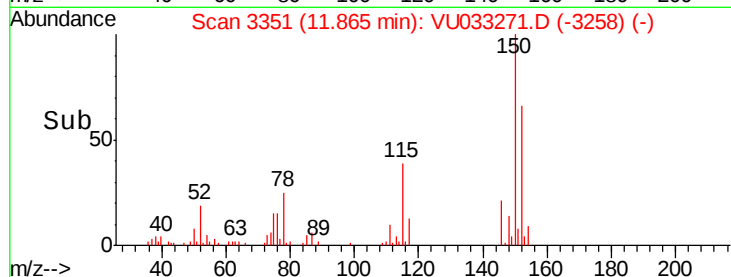
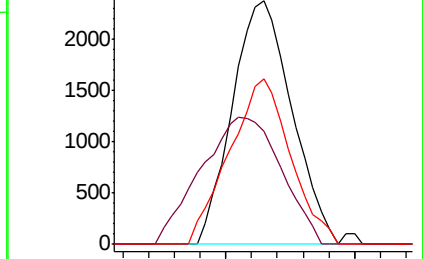
148 68.1 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.481 ug/L

RT: 12.62 min Scan# 3586

Delta R.T. -0.03 min

Lab File: VU033271.D

Acq: 16 Jul 2019 18:38

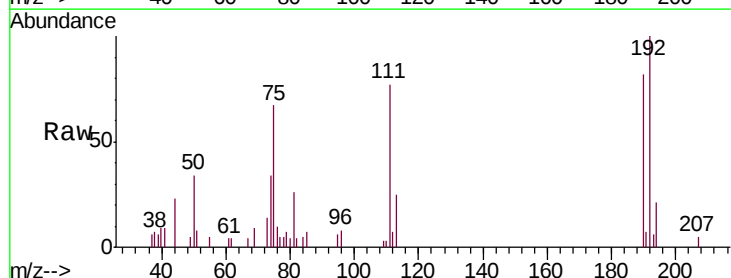
Tgt Ion: 75 Resp: 3622

Ion Ratio Lower Upper

75 100

155 0.0 67.1 100.7#

157 0.0 83.7 125.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

