

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081619\
 Data File : VV012272.D
 Acq On : 16 Aug 2019 15:54
 Operator : SY/MD
 Sample : K4337-18
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ3

Quant Time: Aug 16 23:39:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 23:35:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162254	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	168042	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75743	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71057	7.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	142.20%#
7) Chloroethane-d5	1.58	69	56063	7.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.80%#
11) 1,1-Dichloroethene-d2	2.13	63	56081	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.96	46	117429	54.39	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.78%
24) Chloroform-d	4.40	84	105453	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.08	65	54614	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.10	84	213359	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	62633	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	190827	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.67	79	25368	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.14	63	81042	52.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50728	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	80362	6.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.40%#

Target Compounds

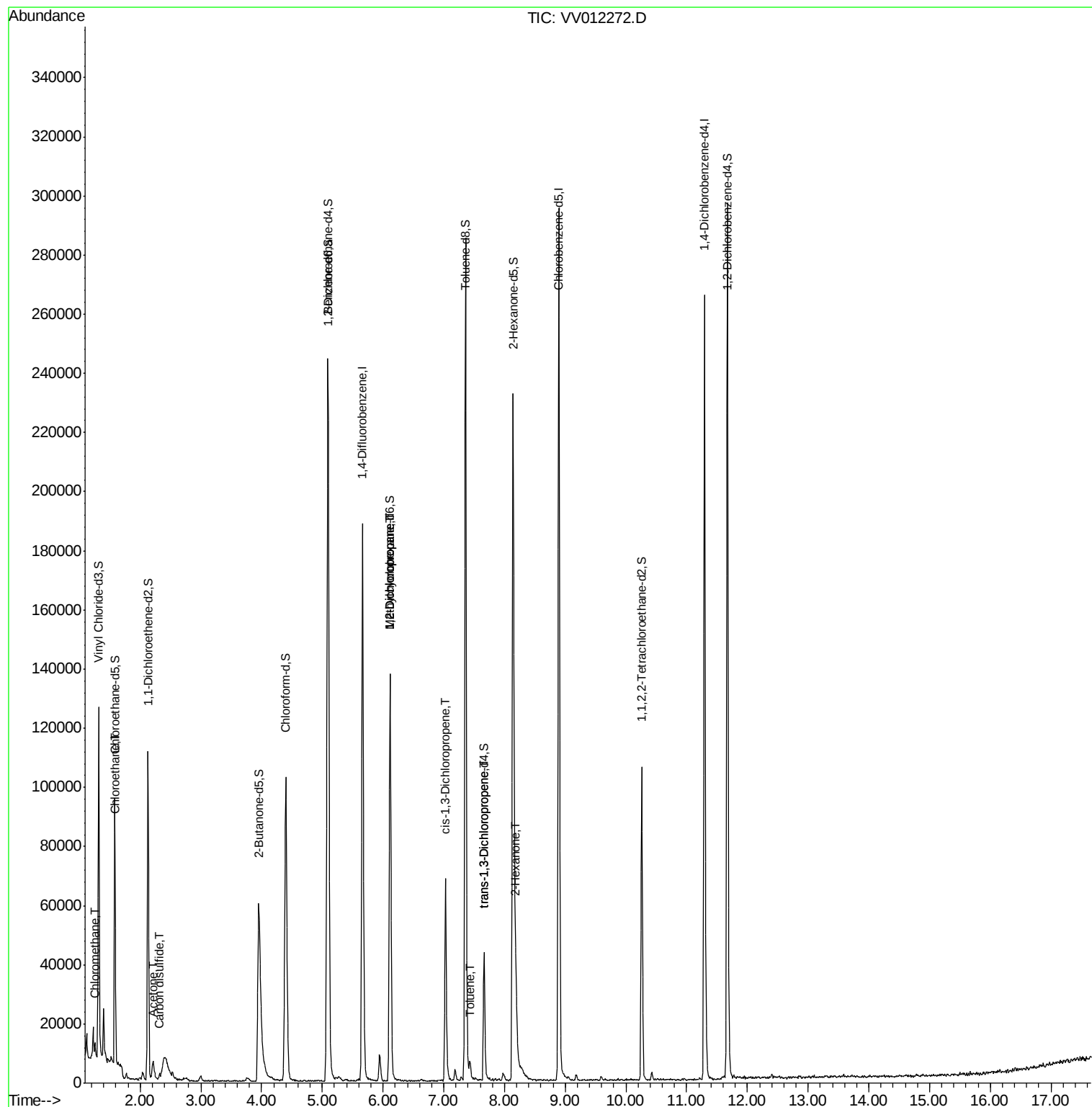
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.25	50	2798	0.198	ug/L	94
8) Chloroethane	1.60	64	813	0.097	ug/L #	75
13) Acetone	2.21	43	9652	7.174	ug/L	90
14) Carbon disulfide	2.32	76	1620	0.065	ug/L #	90
35) Methylcyclohexane	6.12	83	16782	0.787	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	7835	0.619	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	1786	0.103	ug/L #	43
42) Toluene	7.43	91	3702	0.069	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	1119	0.082	ug/L	92
48) 2-Hexanone	8.19	43	16156	3.297	ug/L #	98

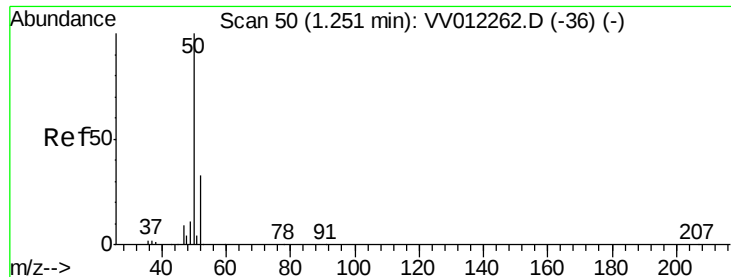
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.198 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012272.D

Acq: 16 Aug 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

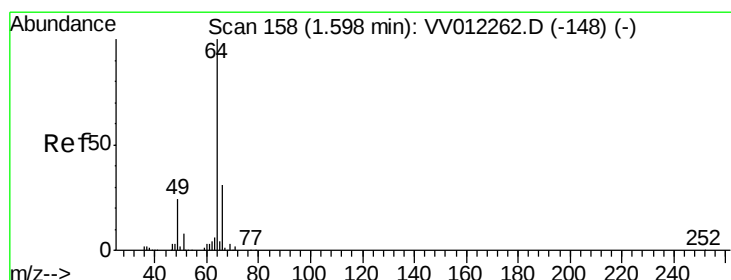
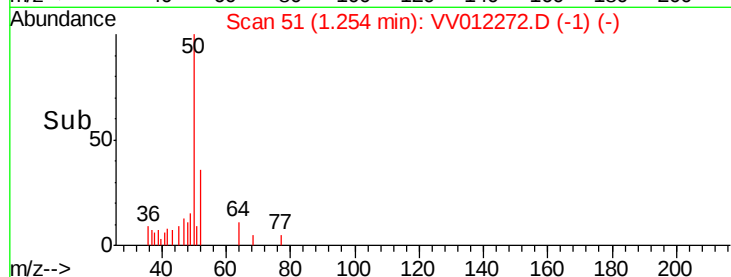
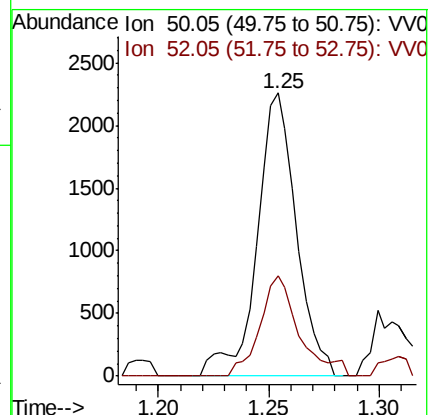
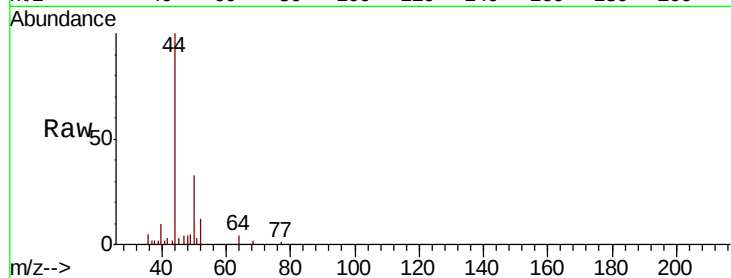
C0AJ3

Tgt Ion: 50 Resp: 2798

Ion Ratio Lower Upper

50 100

52 35.5 22.6 42.0



#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012272.D

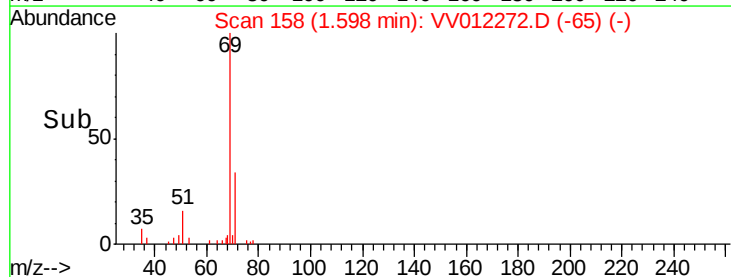
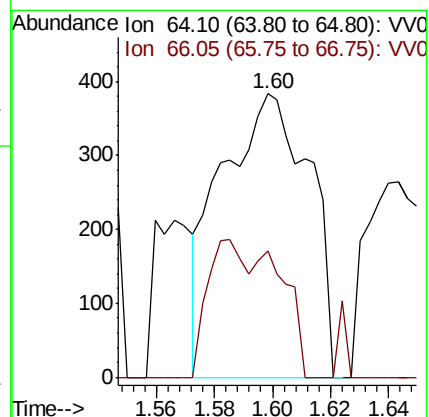
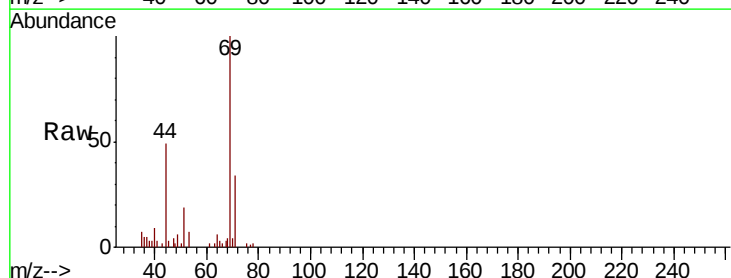
Acq: 16 Aug 2019 15:54

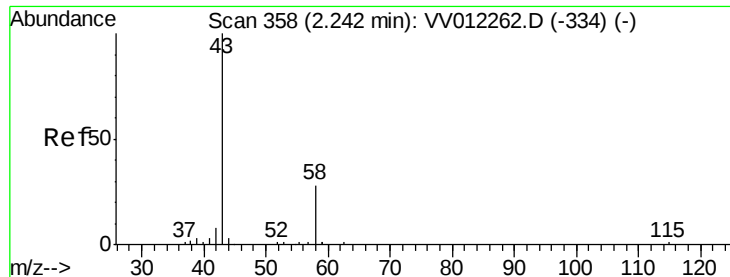
Tgt Ion: 64 Resp: 813

Ion Ratio Lower Upper

64 100

66 44.6 21.8 40.4#





#13

Acetone

Concen: 7.174 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.03 min

Lab File: VV012272.D

Acq: 16 Aug 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

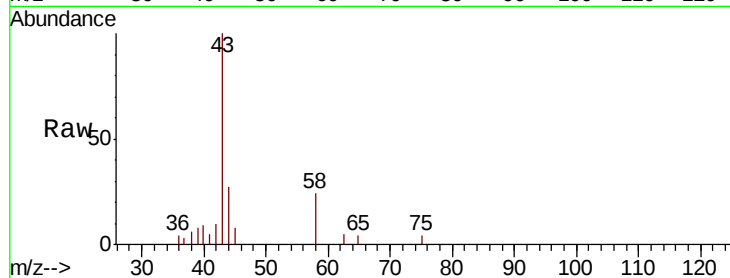
C0AJ3

Tgt Ion: 43 Resp: 9652

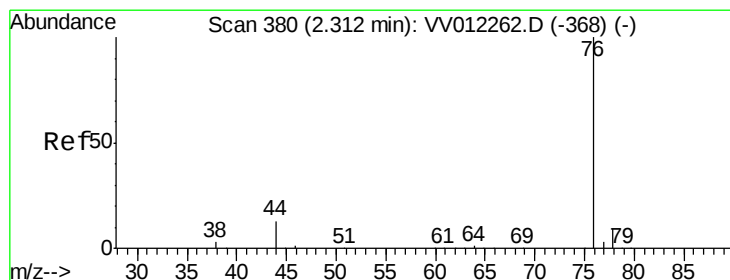
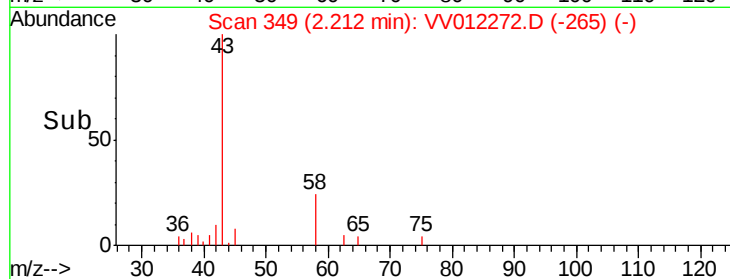
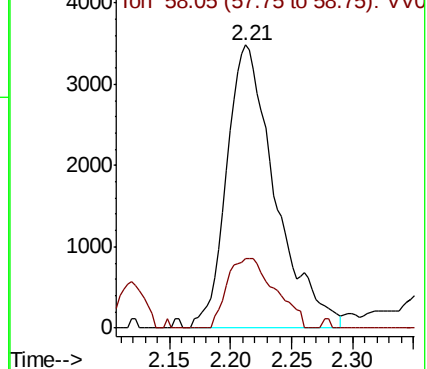
Ion Ratio Lower Upper

43 100

58 24.3 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012272.D (-349) (-)



#14

Carbon disulfide

Concen: 0.065 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012272.D

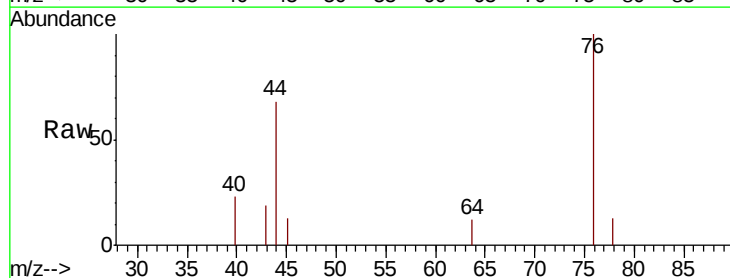
Acq: 16 Aug 2019 15:54

Tgt Ion: 76 Resp: 1620

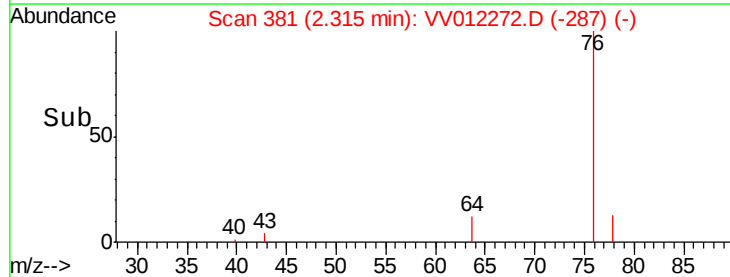
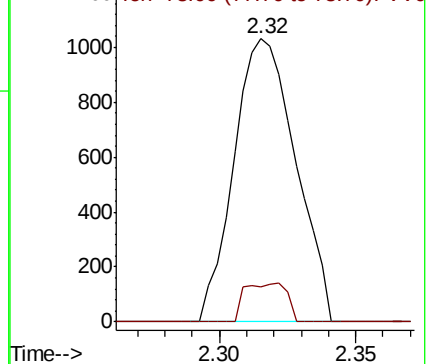
Ion Ratio Lower Upper

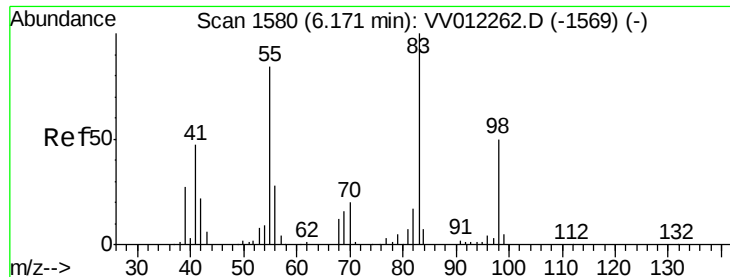
76 100

78 12.5 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV012272.D (-287) (-)





#35

Methylcyclohexane

Concen: 0.787 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012272.D

Acq: 16 Aug 2019 15:54

Instrument :

MSVOA_V

ClientSampled :

C0AJ3

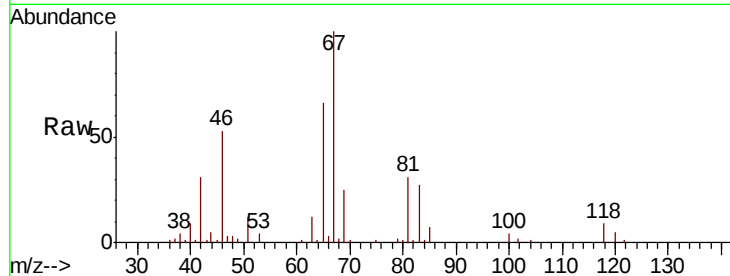
Tgt Ion: 83 Resp: 16782

Ion Ratio Lower Upper

83 100

55 0.3 62.2 93.2#

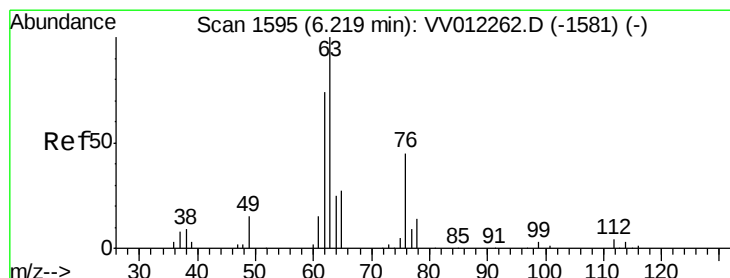
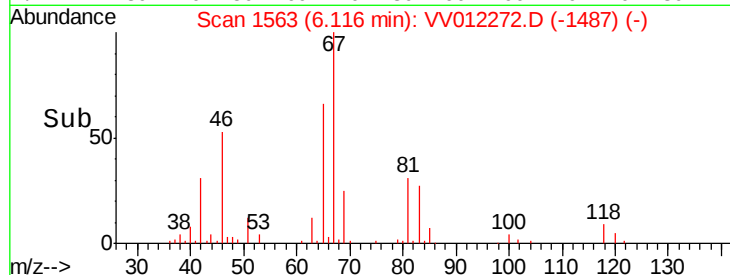
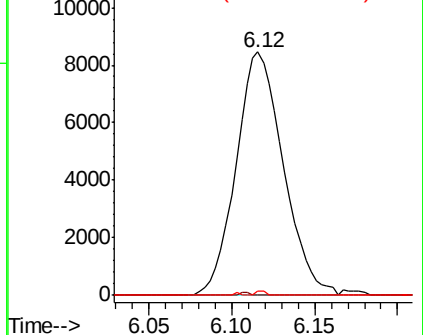
98 0.3 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV012272.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012272.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012272.D (-1569) (-)



#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV012272.D

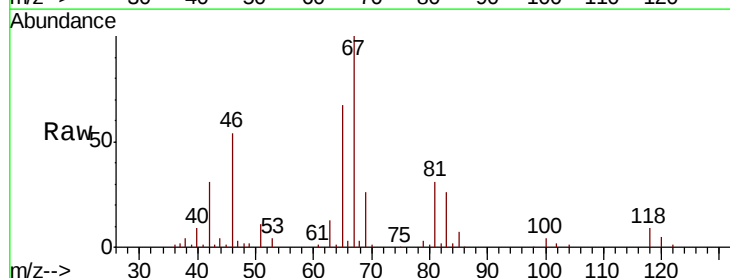
Acq: 16 Aug 2019 15:54

Tgt Ion: 63 Resp: 7835

Ion Ratio Lower Upper

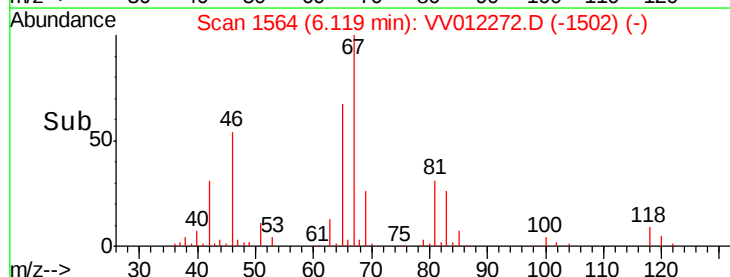
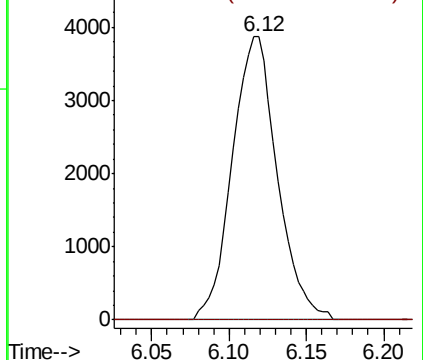
63 100

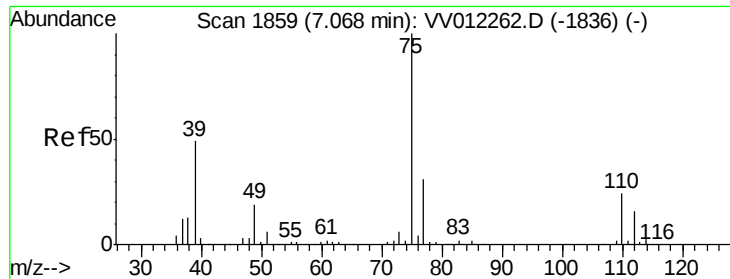
112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV012272.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012272.D (-1581) (-)

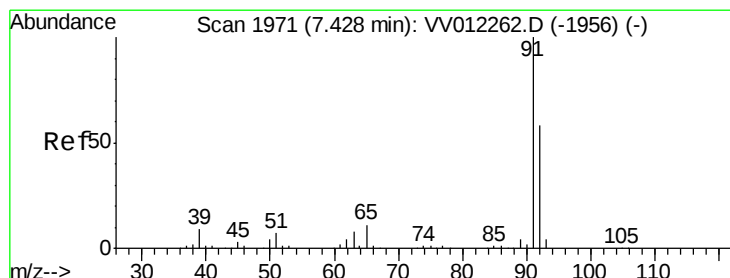
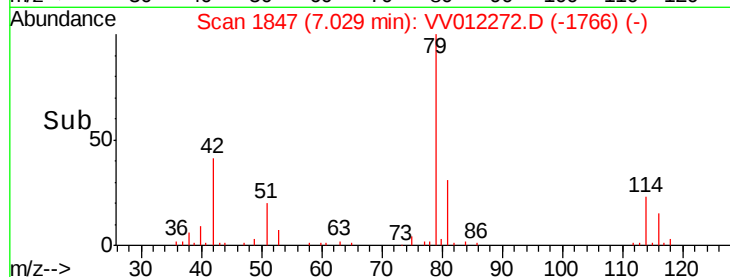
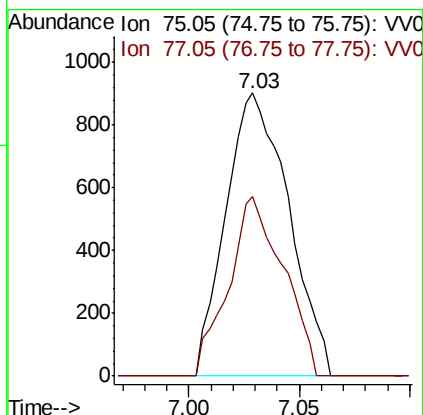
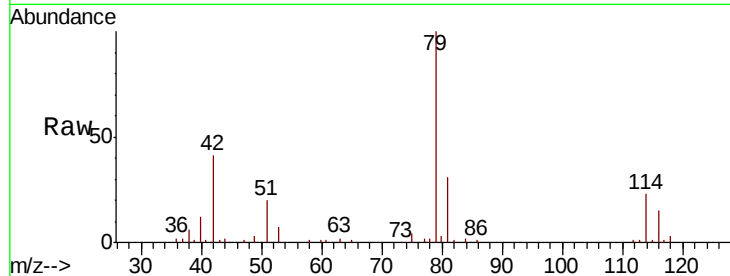




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012272.D
 Acq: 16 Aug 2019 15:54

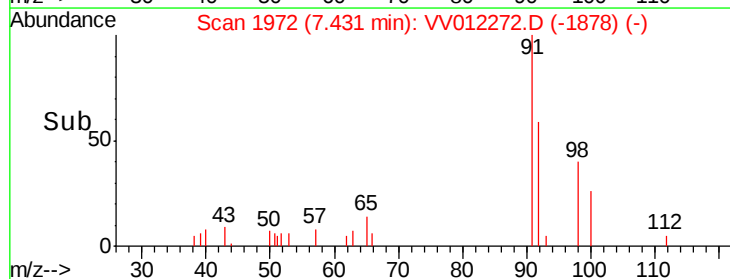
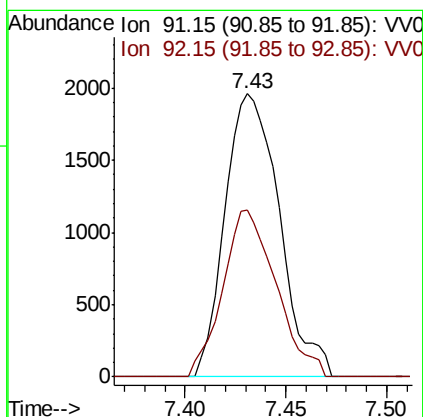
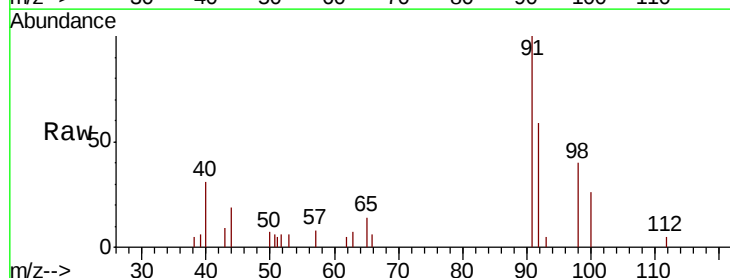
Instrument :
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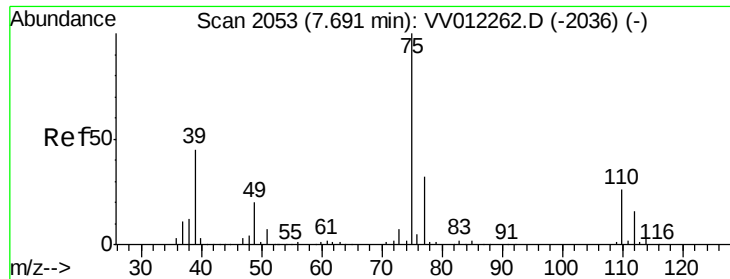
Tgt Ion: 75 Resp: 1786
 Ion Ratio Lower Upper
 75 100
 77 63.4 22.2 41.2#



#42
 Toluene
 Concen: 0.069 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012272.D
 Acq: 16 Aug 2019 15:54

Tgt Ion: 91 Resp: 3702
 Ion Ratio Lower Upper
 91 100
 92 59.0 39.8 73.8





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012272.D

Acq: 16 Aug 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

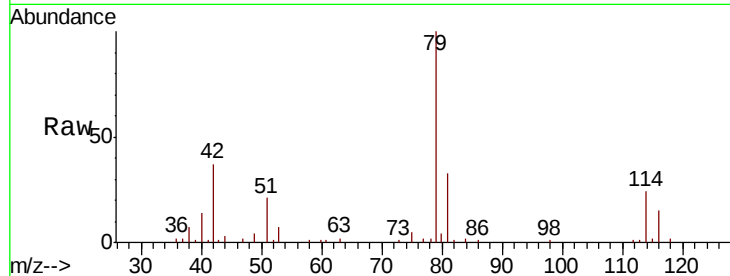
C0AJ3

Tgt Ion: 75 Resp: 1119

Ion Ratio Lower Upper

75 100

77 36.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

800

600

400

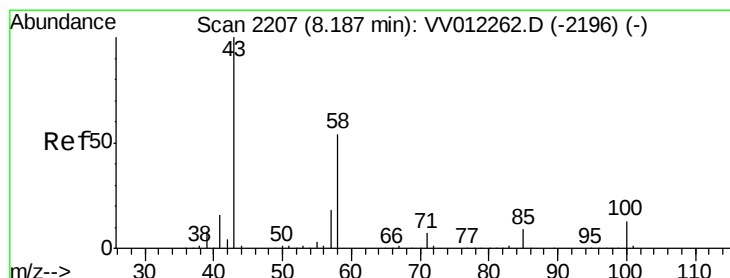
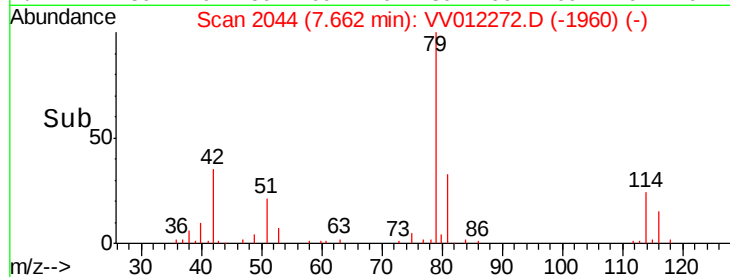
200

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 3.297 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV012272.D

Acq: 16 Aug 2019 15:54

Tgt Ion: 43 Resp: 16156

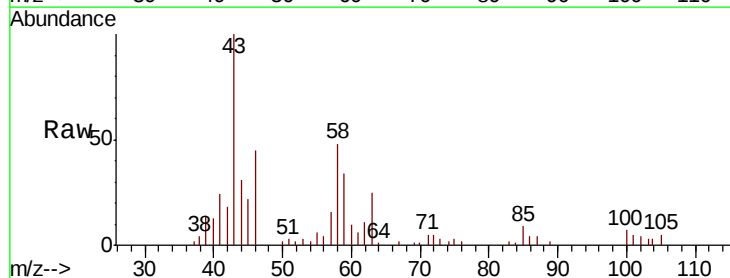
Ion Ratio Lower Upper

43 100

58 53.5 43.0 64.4

57 19.3 14.9 22.3

100 9.8 10.3 15.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

12000

10000

8000

6000

4000

2000

0

8.15

8.20

8.25

Time-->

