

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081619\
 Data File : VV012269.D
 Acq On : 16 Aug 2019 14:33
 Operator : SY/MD
 Sample : K4337-06
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG2

Quant Time: Aug 16 23:39:04 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	177789	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	192443	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	76844	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72612	6.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.60%#
7) Chloroethane-d5	1.58	69	59881	7.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	143.00%#
11) 1,1-Dichloroethene-d2	2.13	63	72674	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.94	46	29937	12.65	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	25.30%#
24) Chloroform-d	4.40	84	111408	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	59748	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.10	84	239895	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.12	67	71846	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	210990	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.66	79	25082	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.13	63	51298	29.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	58.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49725	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	80848	6.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.40%#

Target Compounds

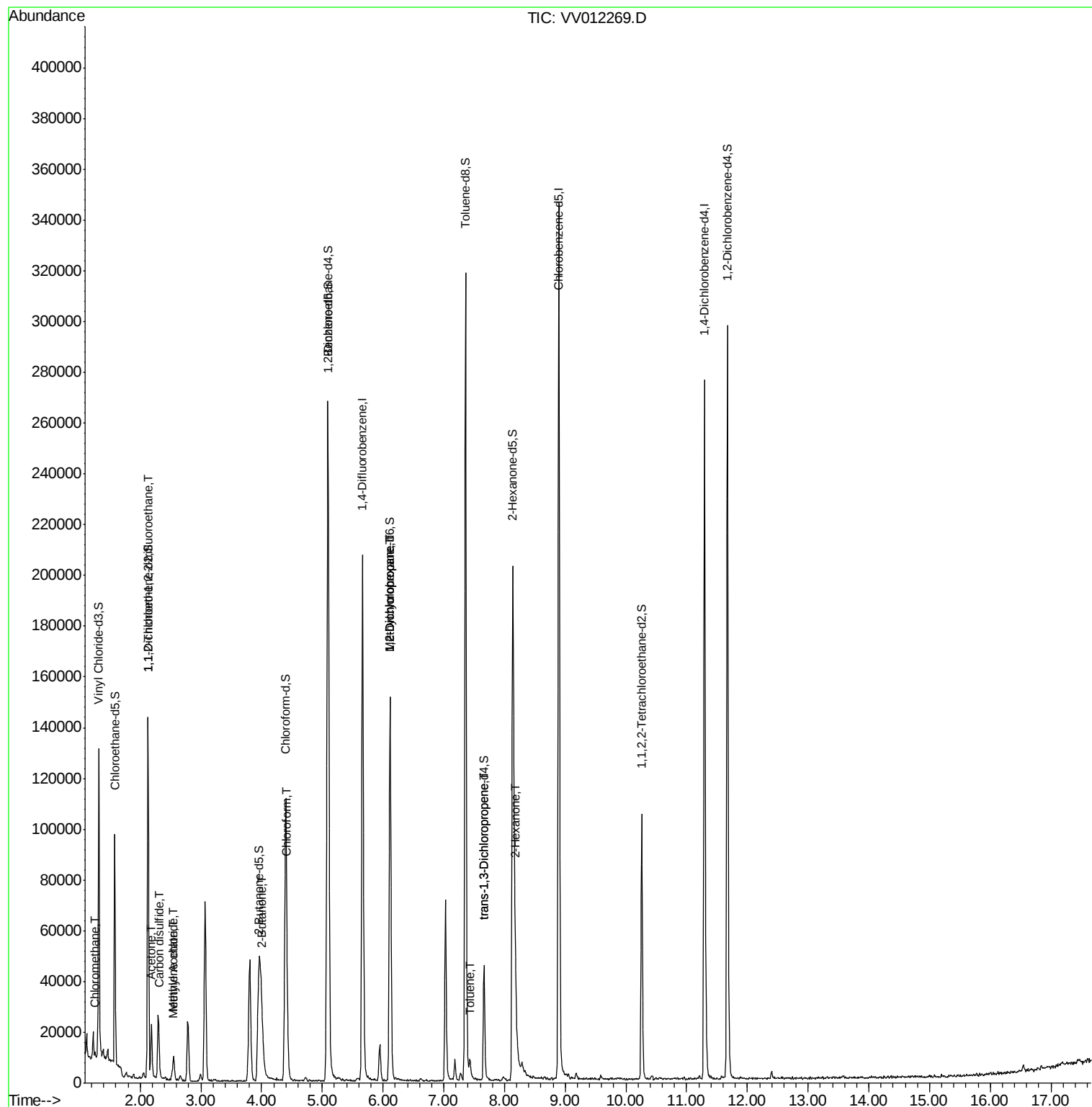
					Qvalue
3) Chloromethane	1.25	50	1743	0.113 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	730	0.072 ug/L #	17
13) Acetone	2.19	43	18952	12.855 ug/L	98
14) Carbon disulfide	2.32	76	1338	0.049 ug/L #	82
15) Methyl Acetate	2.56	43	4974	1.336 ug/L #	50
16) Methylene chloride	2.53	84	1051	0.104 ug/L	89
21) 2-Butanone	4.01	43	30955	10.269 ug/L #	70
25) Chloroform	4.42	83	8209	0.316 ug/L	96
35) Methylcyclohexane	6.12	83	18112	0.741 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	7917	0.547 ug/L #	85
42) Toluene	7.43	91	4664	0.076 ug/L	88
44) trans-1,3-Dichloropropene	7.66	75	1081	0.069 ug/L #	50
48) 2-Hexanone	8.18	43	22852	4.072 ug/L #	82

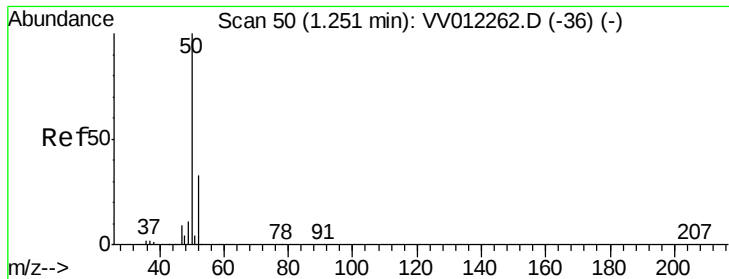
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

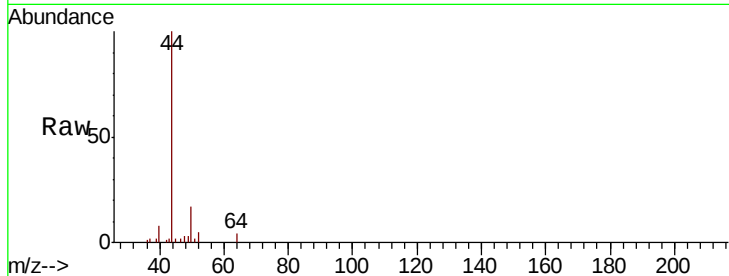
C0AG2

Tgt Ion: 50 Resp: 1743

Ion Ratio Lower Upper

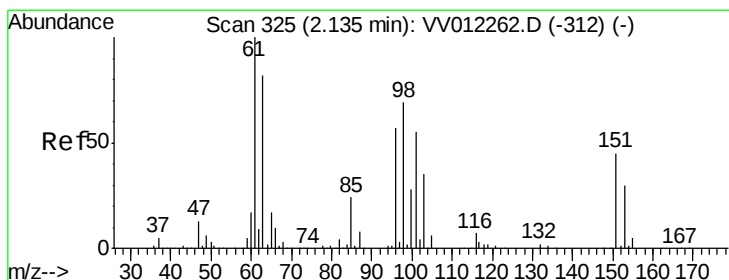
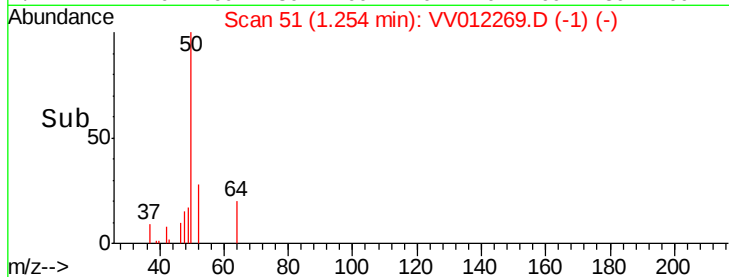
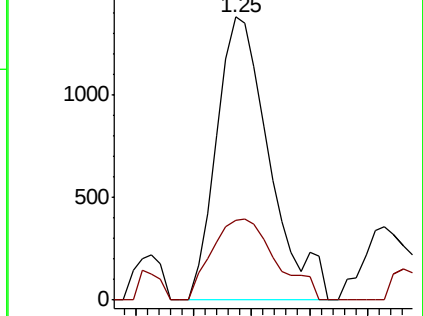
50 100

52 28.2 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012262.D (-36) (-)

Ion 52.05 (51.75 to 52.75): VV012262.D (-36) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.072 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

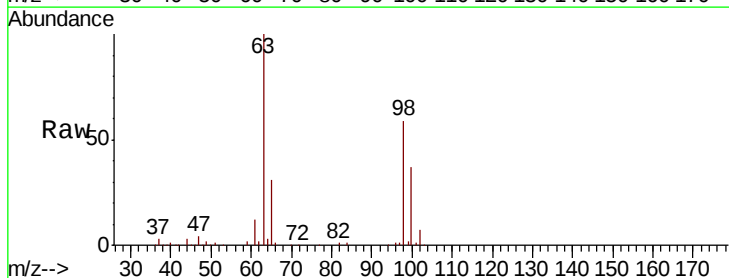
Tgt Ion: 101 Resp: 730

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

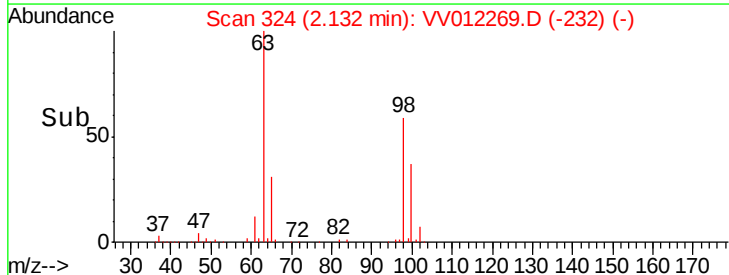
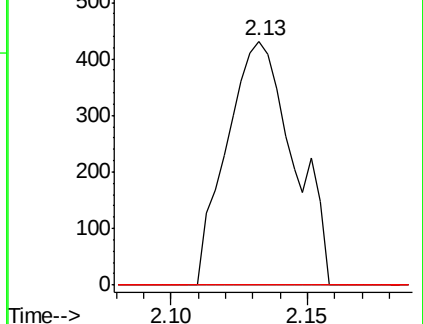
151 0.0 66.3 99.5#

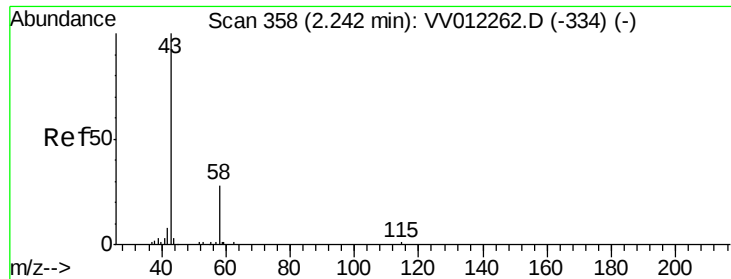


Abundance Ion 101.00 (100.70 to 101.70): VV012269.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV012269.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV012269.D (-232) (-)





#13

Acetone

Concen: 12.855 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

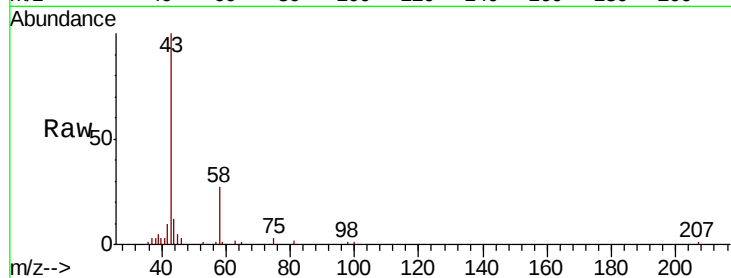
C0AG2

Tgt Ion: 43 Resp: 18952

Ion Ratio Lower Upper

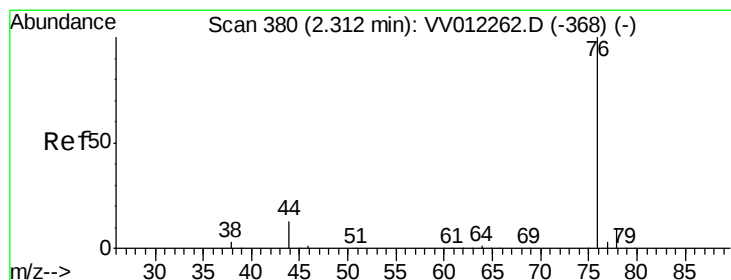
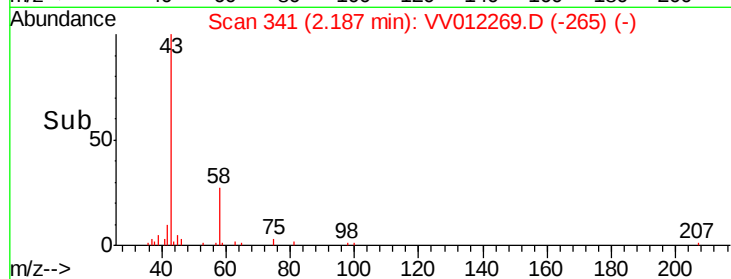
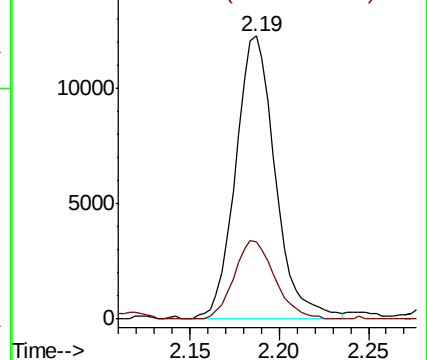
43 100

58 28.4 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.049 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012269.D

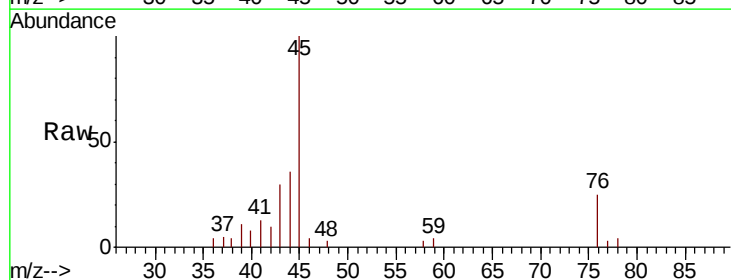
Acq: 16 Aug 2019 14:33

Tgt Ion: 76 Resp: 1338

Ion Ratio Lower Upper

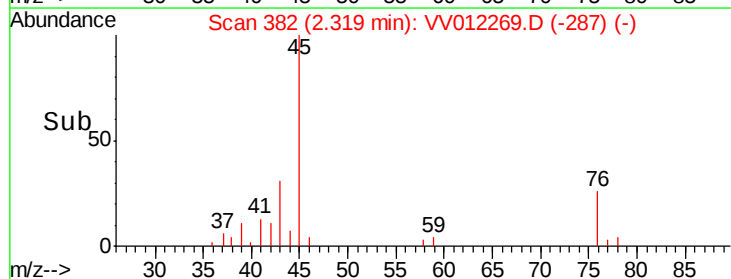
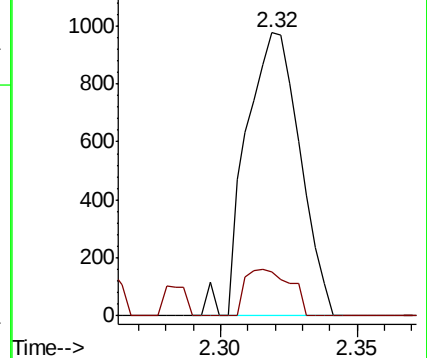
76 100

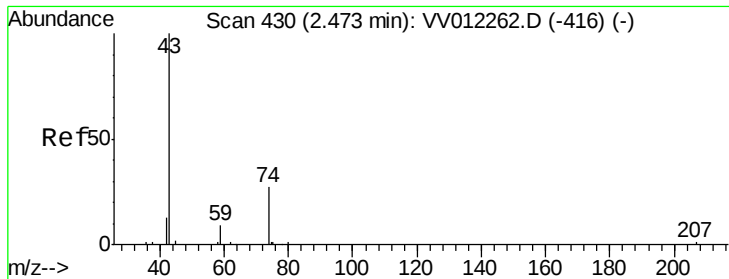
78 15.7 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 1.336 ug/L

RT: 2.56 min Scan# 456

Delta R.T. 0.08 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

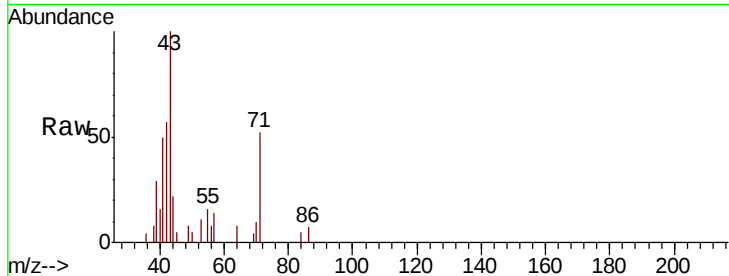
C0AG2

Tgt Ion: 43 Resp: 4974

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2500

2000

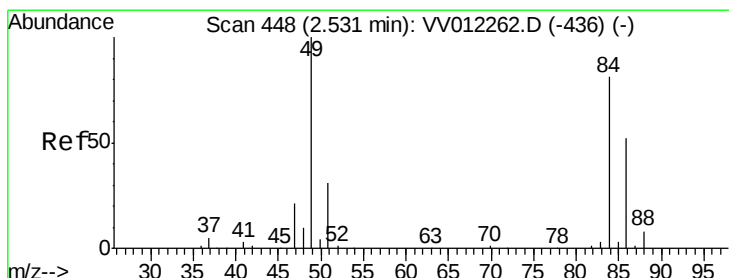
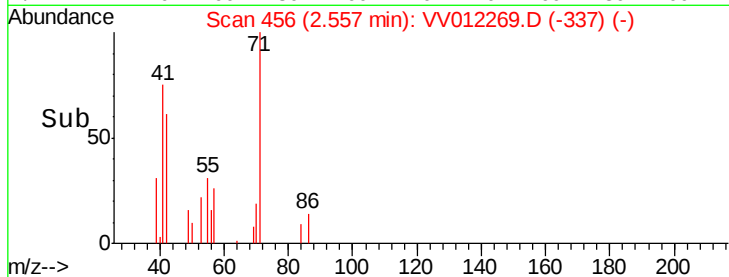
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 0.104 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

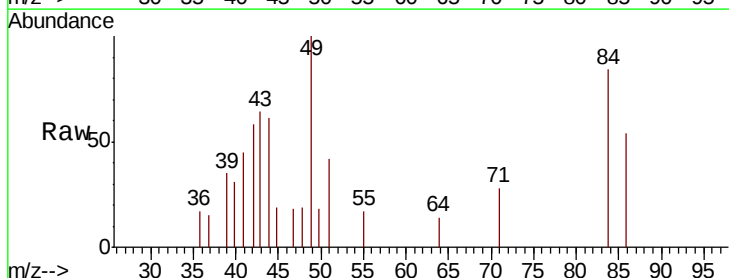
Tgt Ion: 84 Resp: 1051

Ion Ratio Lower Upper

84 100

86 64.5 44.4 82.5

49 139.6 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

1000

800

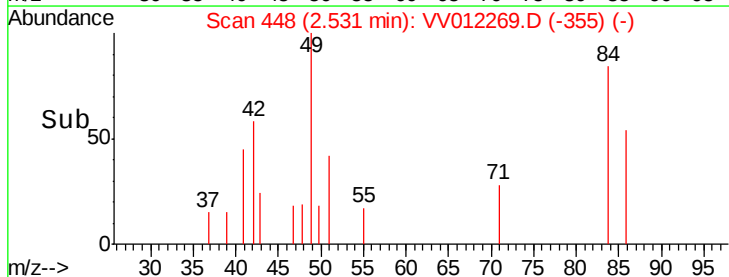
600

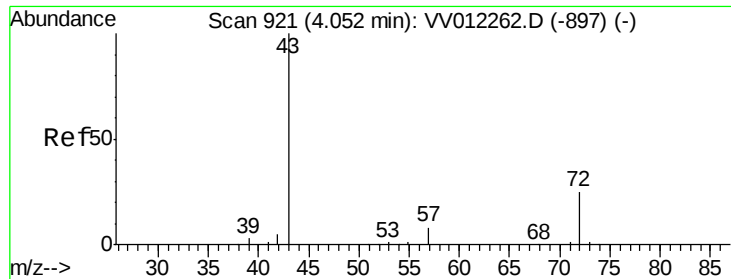
400

200

0

Time-->





#21

2-Butanone

Concen: 10.269 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.04 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

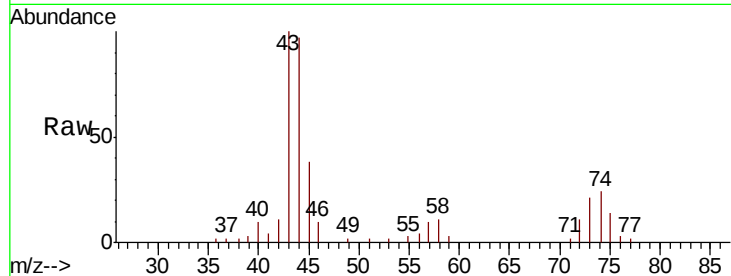
C0AG2

Tgt Ion: 43 Resp: 30955

Ion Ratio Lower Upper

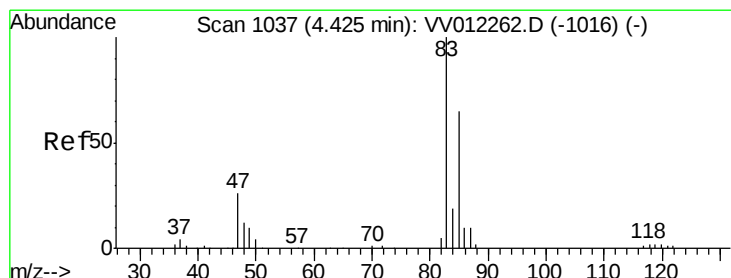
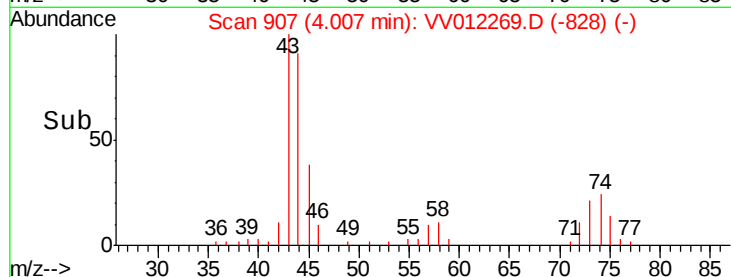
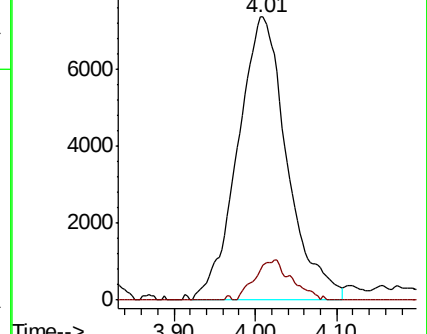
43 100

72 10.6 12.9 38.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#25

Chloroform

Concen: 0.316 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012269.D

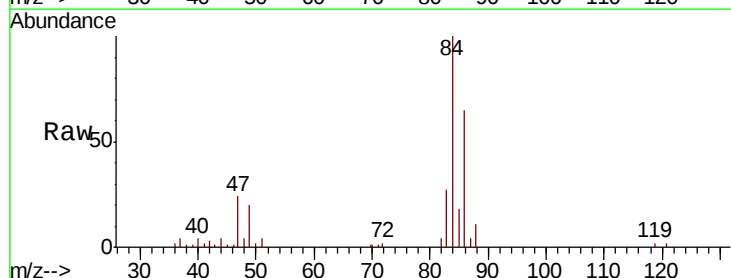
Acq: 16 Aug 2019 14:33

Tgt Ion: 83 Resp: 8209

Ion Ratio Lower Upper

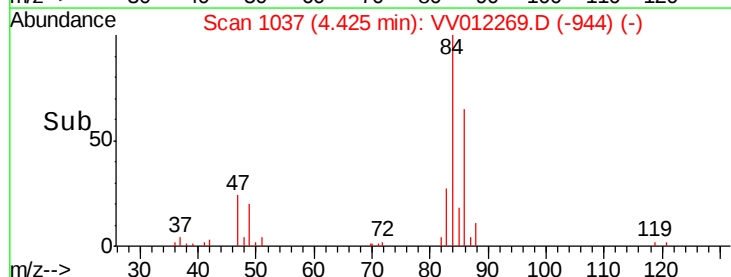
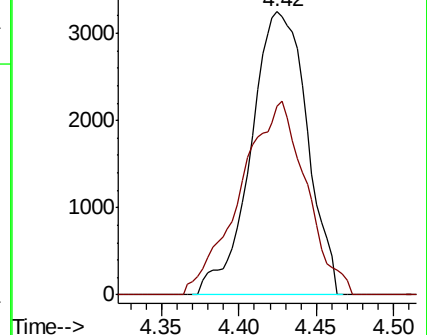
83 100

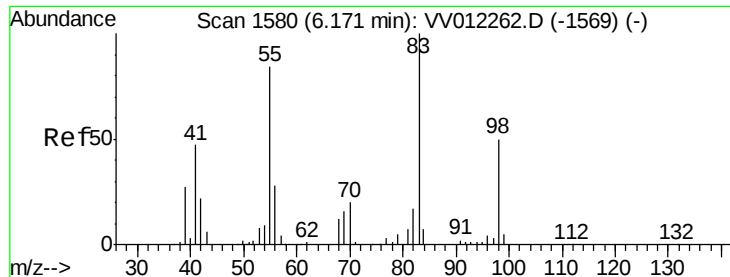
85 66.8 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0AG2

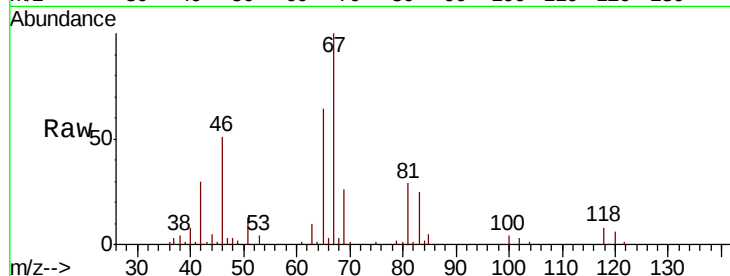
Tgt Ion: 83 Resp: 18112

Ion Ratio Lower Upper

83 100

55 0.1 62.2 93.2#

98 1.4 39.2 58.8#



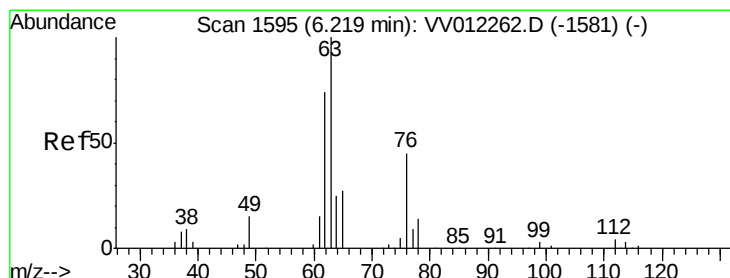
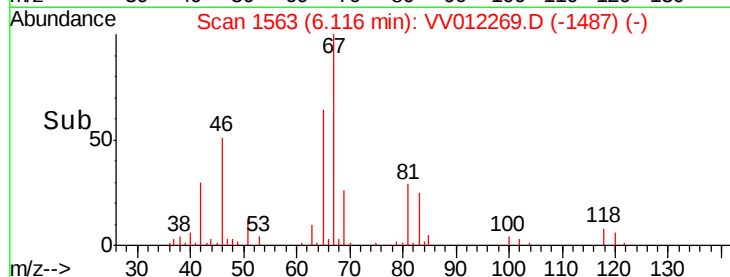
Abundance Ion 83.15 (82.85 to 83.85): VV012269.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012269.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012269.D (-1569) (-)

6.12

Time-->



#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV012269.D

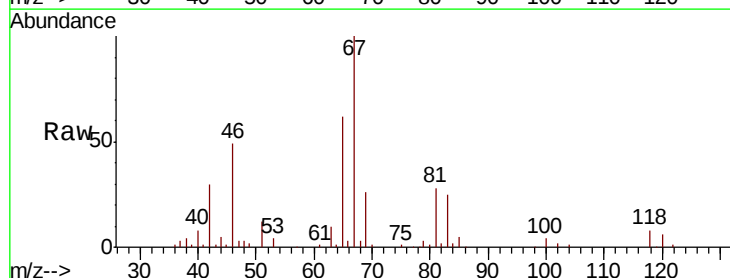
Acq: 16 Aug 2019 14:33

Tgt Ion: 63 Resp: 7917

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

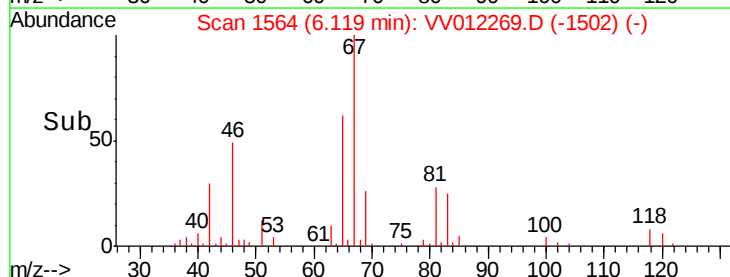


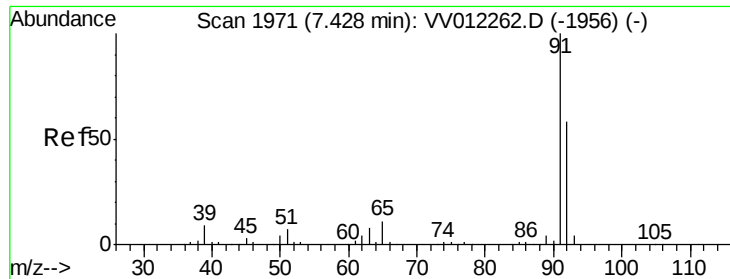
Abundance Ion 63.10 (62.80 to 63.80): VV012269.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012269.D (-1502) (-)

6.12

Time-->





#42

Toluene

Concen: 0.076 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

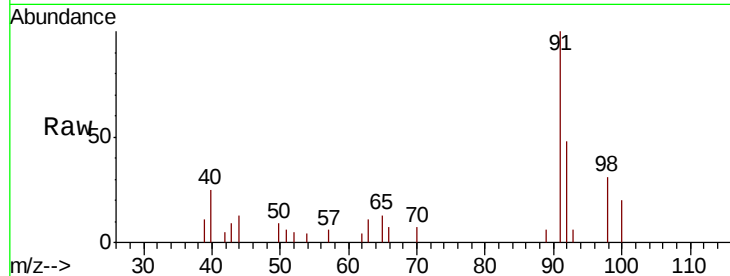
C0AG2

Tgt Ion: 91 Resp: 4664

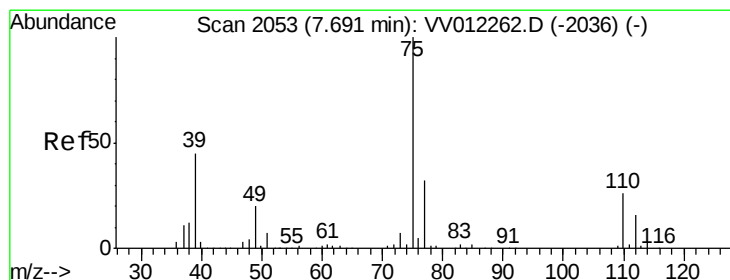
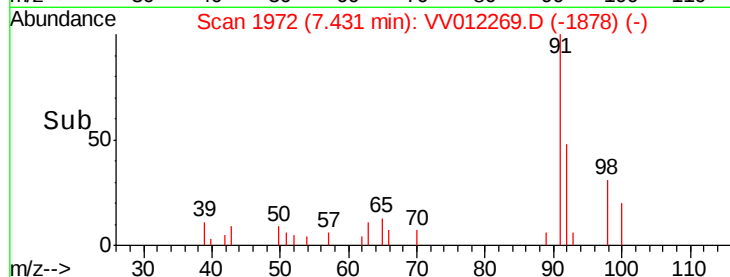
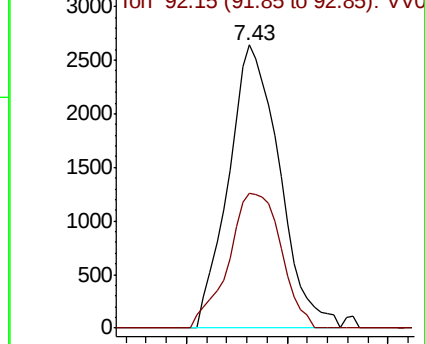
Ion Ratio Lower Upper

91 100

92 47.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012269.D

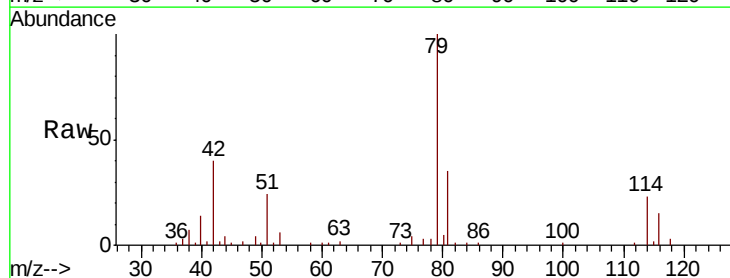
Acq: 16 Aug 2019 14:33

Tgt Ion: 75 Resp: 1081

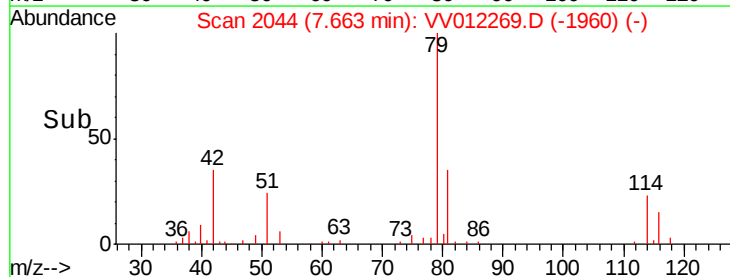
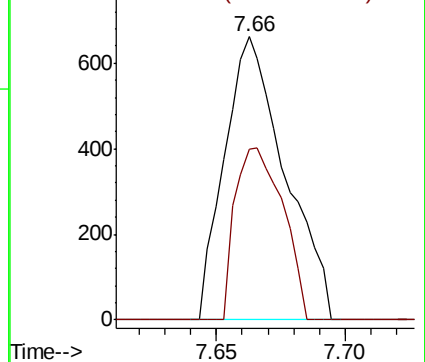
Ion Ratio Lower Upper

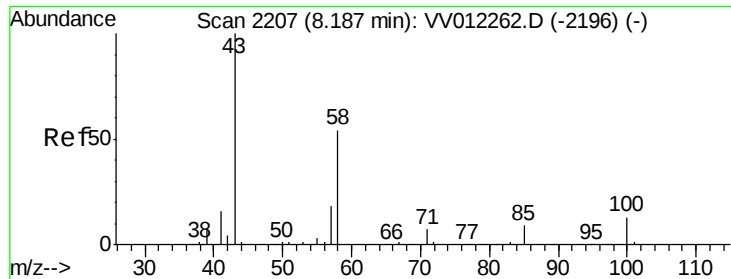
75 100

77 60.3 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0





#48

2-Hexanone

Concen: 4.072 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012269.D

Acq: 16 Aug 2019 14:33

Instrument :
MSVOA_V
ClientSampleId :
C0AG2

Tgt Ion: 43 Resp: 22852

Ion Ratio Lower Upper

43 100

58 38.0 43.0 64.4#

57 13.9 14.9 22.3#

100 8.4 10.3 15.5#

