

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006835.D
 Acq On : 03 Aug 2018 04:26
 Operator : SY/MD
 Sample : J4227-03
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 09:08:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 04:21:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	230175	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	206275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83283	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.58	69	74348	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	118240	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.95	46	263044	68.03	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.06%#
24) Chloroform-d	4.41	84	149095	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.09	65	81129	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.10	84	292291	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.12	67	100026	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.37	98	227304	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	30438	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.14	63	146756	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81181	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	76587	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

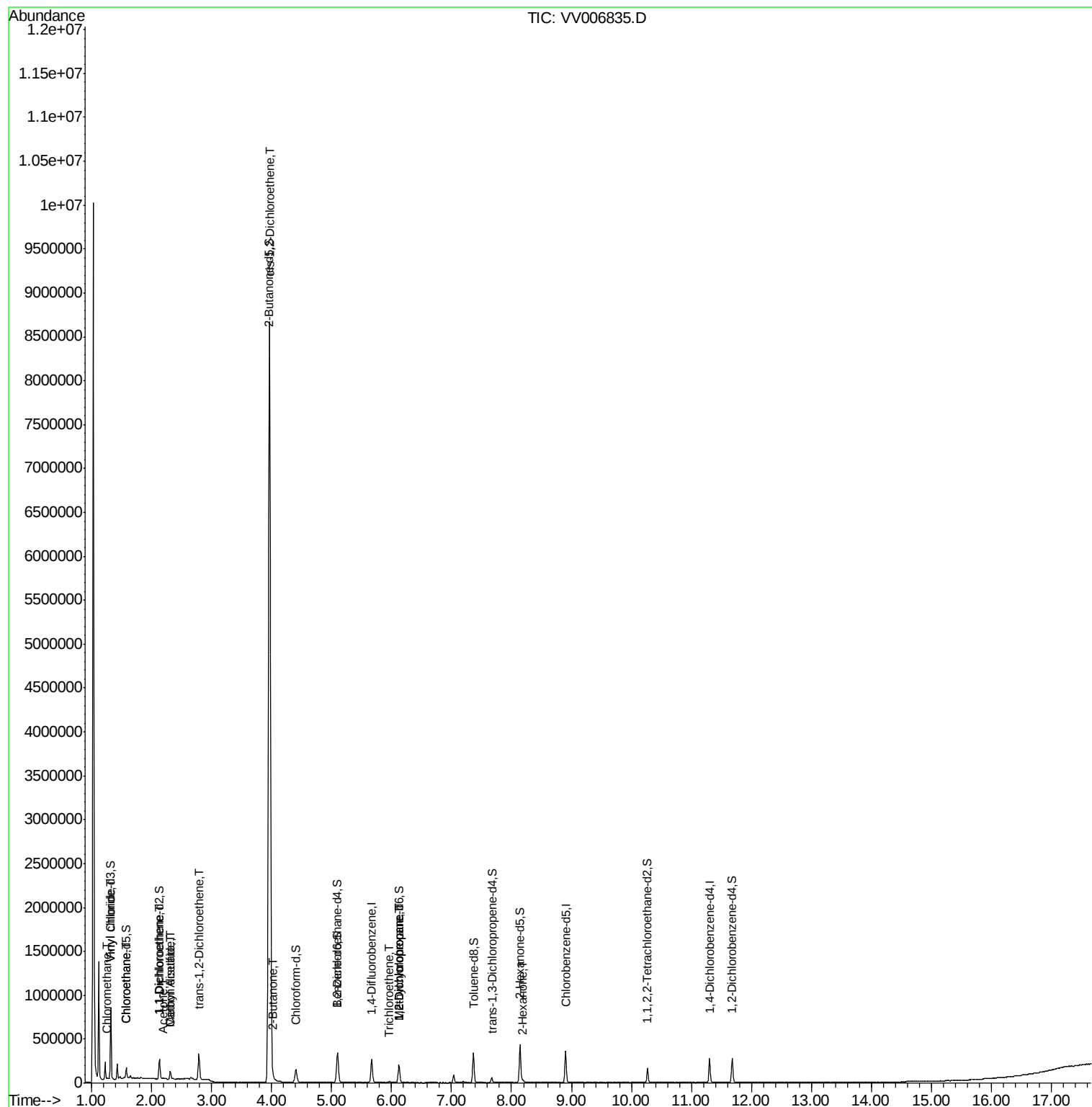
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	13506	0.508	ug/L	99
5) Vinyl chloride	1.32	62	332972	16.125	ug/L	98
8) Chloroethane	1.58	64	42713	3.078	ug/L #	52
12) 1,1-Dichloroethene	2.14	96	12603	0.857	ug/L #	3
13) Acetone	2.20	43	9840	3.609	ug/L	89
14) Carbon disulfide	2.32	76	13695	0.314	ug/L #	59
15) Methyl Acetate	2.31	43	17031	2.075	ug/L #	53
18) trans-1,2-Dichloroethene	2.79	96	106893	6.669	ug/L	98
21) 2-Butanone	4.03	43	1795	0.431	ug/L #	48
22) cis-1,2-Dichloroethene	3.97	96	4840952	281.385	ug/L	99
34) Trichloroethene	5.96	95	5618	0.348	ug/L	88
35) Methylcyclohexane	6.12	83	23098	0.902	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	10567	0.636	ug/L #	90
48) 2-Hexanone	8.20	43	6379	1.022	ug/L #	85

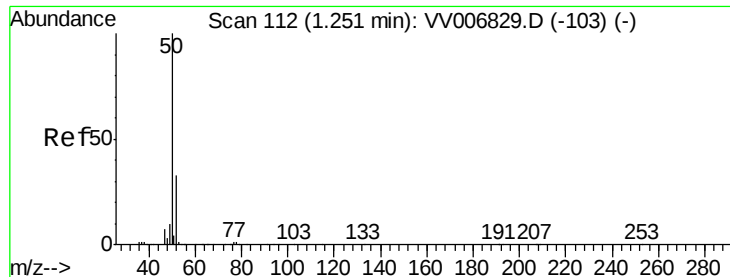
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.508 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

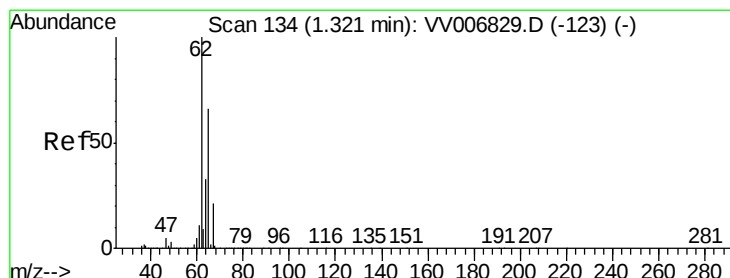
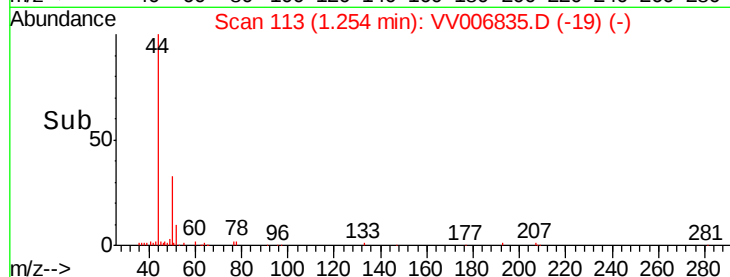
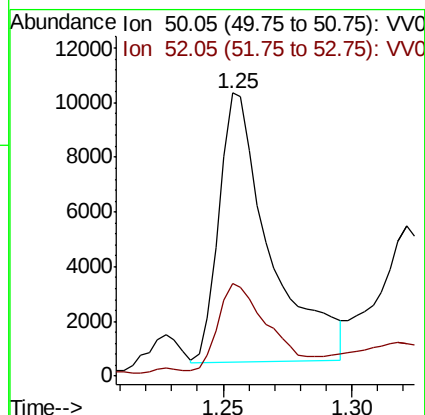
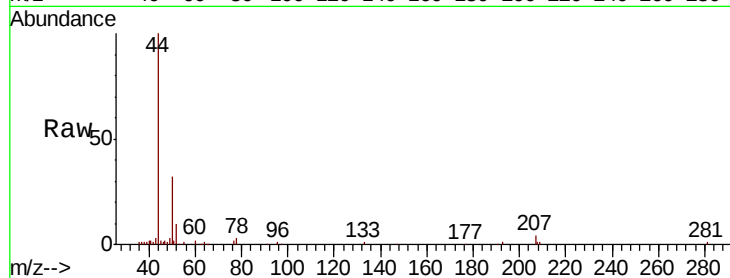
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 13506

Ion Ratio Lower Upper

50 100

52 32.6 23.3 43.3



#5

Vinyl chloride

Concen: 16.125 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006835.D

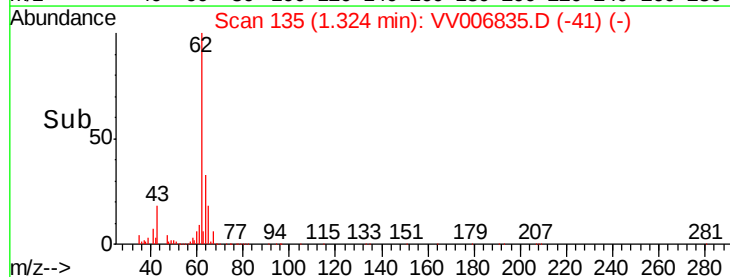
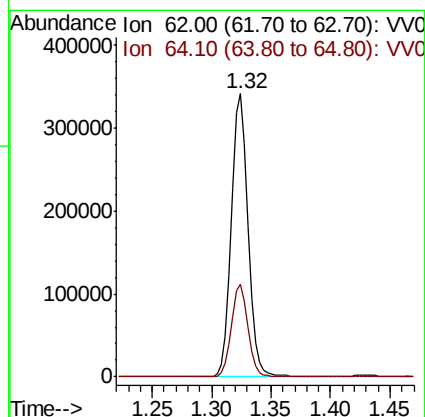
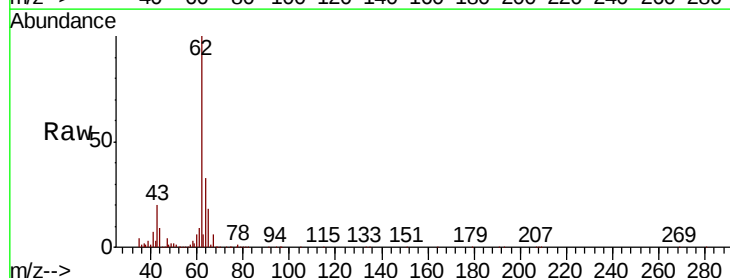
Acq: 03 Aug 2018 04:26

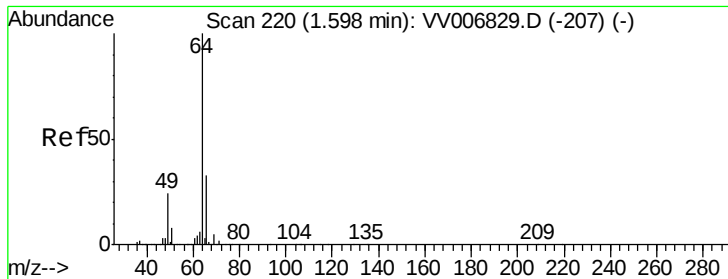
Tgt Ion: 62 Resp: 332972

Ion Ratio Lower Upper

62 100

64 32.5 23.7 43.9





#8

Chloroethane

Concen: 3.078 ug/L

RT: 1.58 min Scan# 214

Delta R.T. -0.02 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

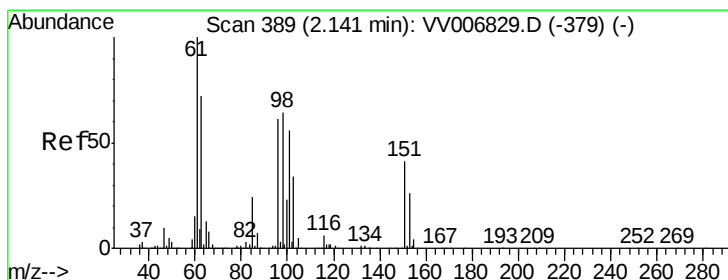
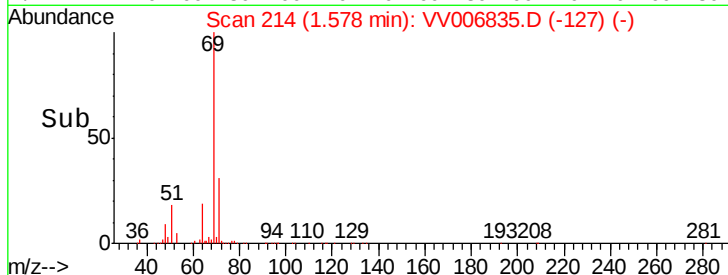
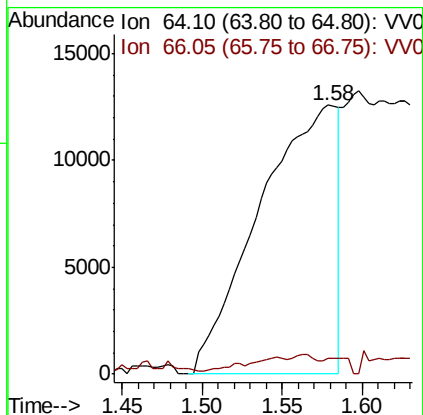
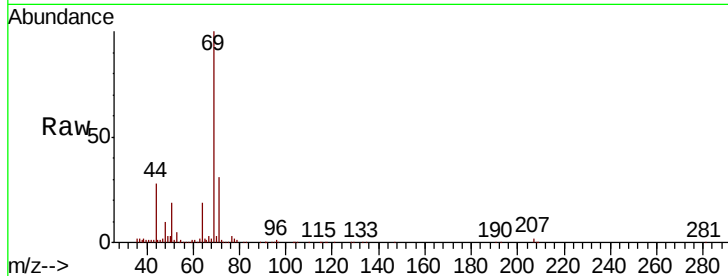
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 42713

Ion Ratio Lower Upper

64 100

66 5.9 23.0 42.6#



#12

1,1-Dichloroethene

Concen: 0.857 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

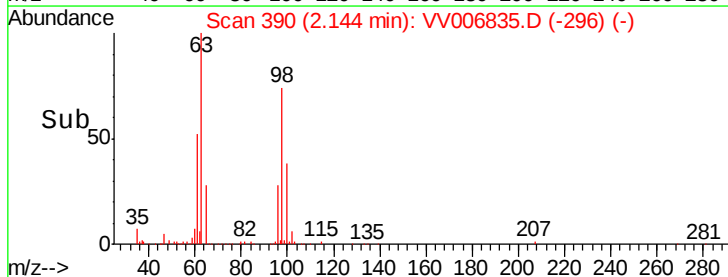
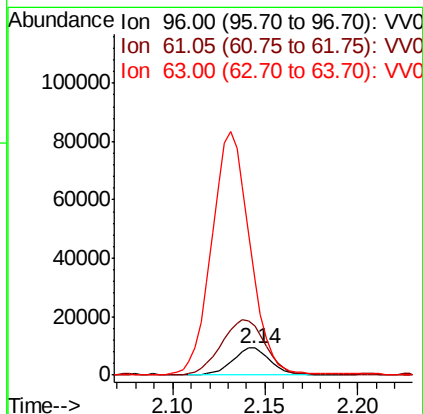
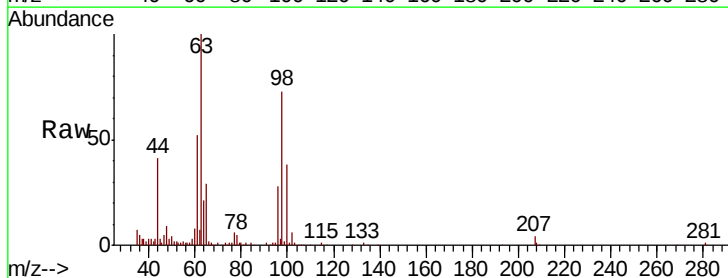
Tgt Ion: 96 Resp: 12603

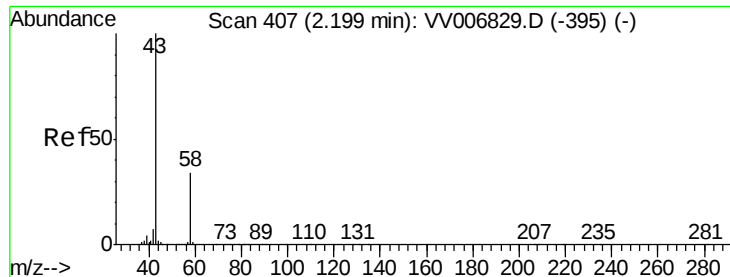
Ion Ratio Lower Upper

96 100

61 182.0 115.3 214.1

63 352.1 81.9 152.1#

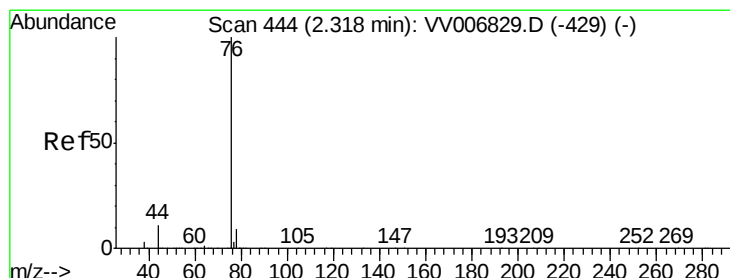
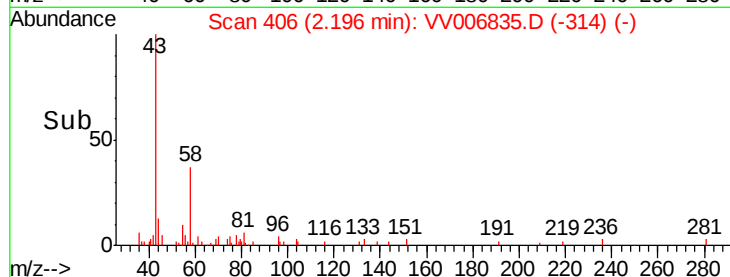
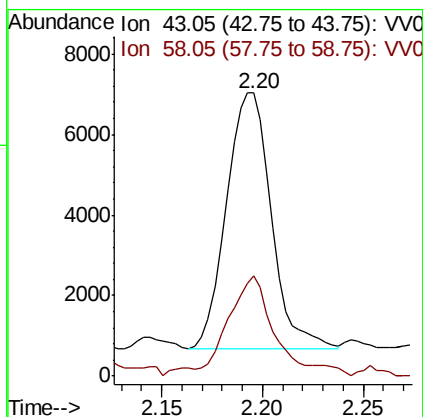
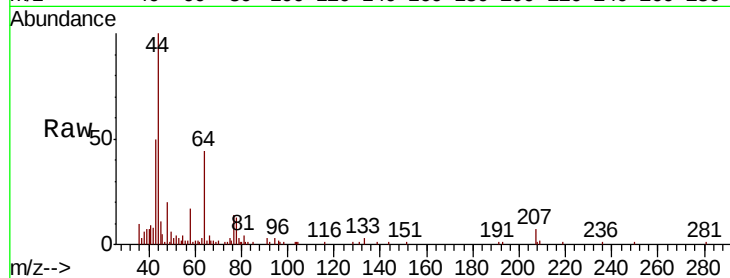




#13
Acetone
Concen: 3.609 ug/L
RT: 2.20 min Scan# 406
Delta R.T. -0.00 min
Lab File: VV006835.D
Acq: 03 Aug 2018 04:26

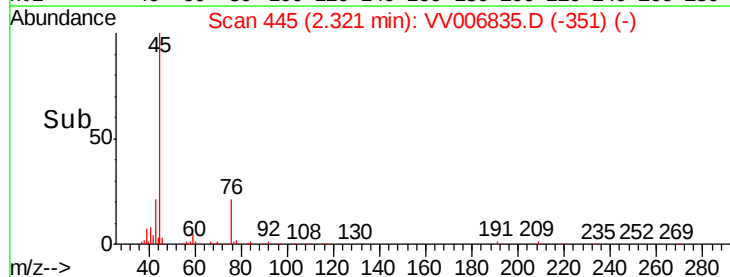
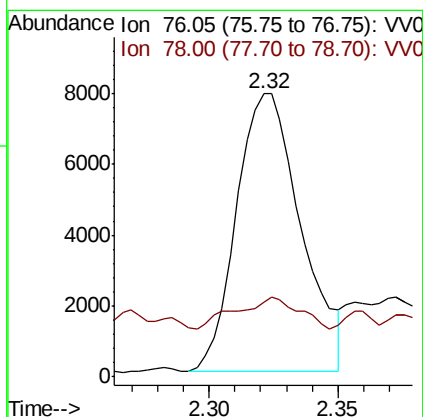
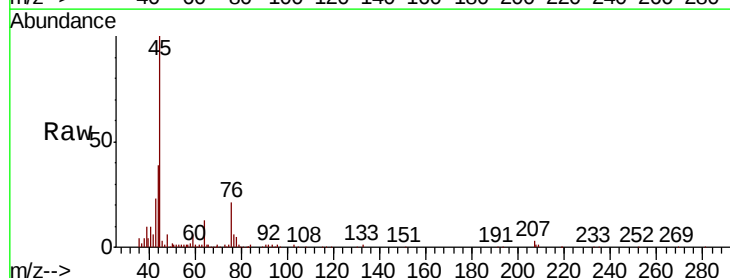
Instrument :
MSVOA_V
ClientSampleId :

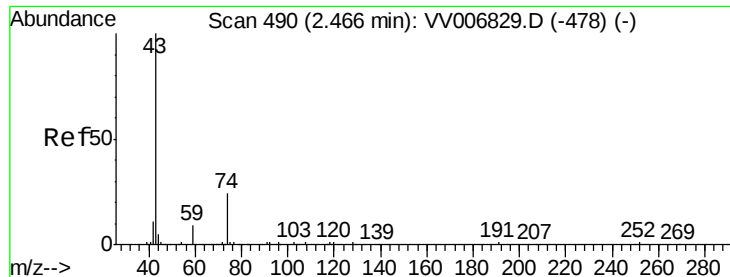
Tot Ion: 43 Resp: 9840
Ion Ratio Lower Upper
43 100
58 40.8 0.0 69.0



#14
Carbon disulfide
Concen: 0.314 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV006835.D
Acq: 03 Aug 2018 04:26

Tgt Ion: 76 Resp: 13695
Ion Ratio Lower Upper
76 100
78 26.3 8.7 13.1#

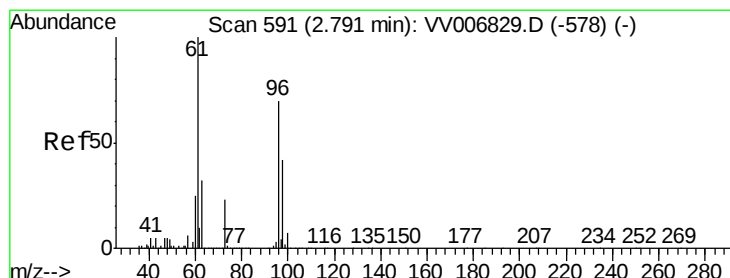
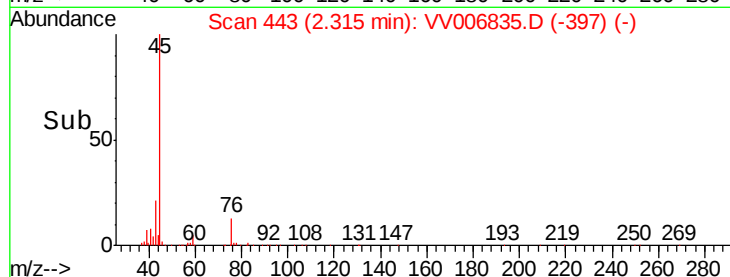
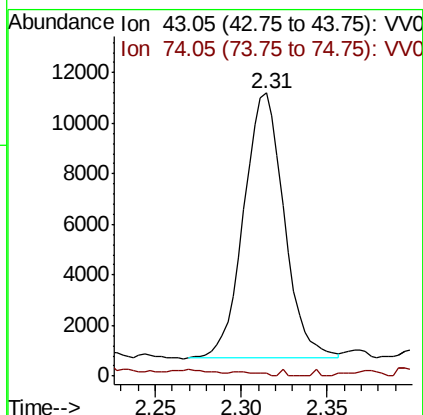
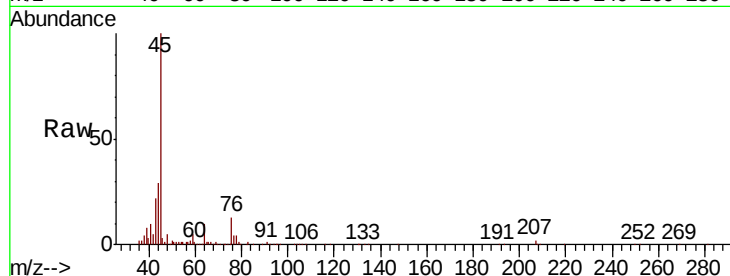




#15
Methvl Acetate
Concen: 2.075 ug/L
RT: 2.31 min Scan# 443
Delta R.T. -0.15 min
Lab File: VV006835.D
Acq: 03 Aug 2018 04:26

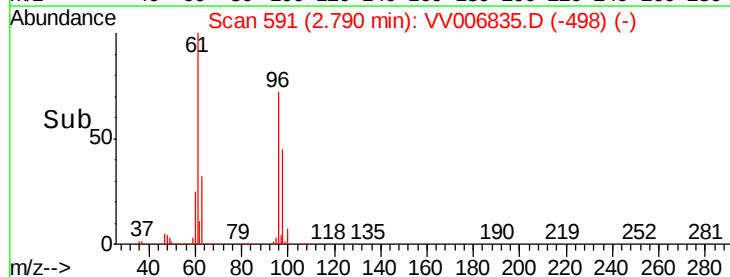
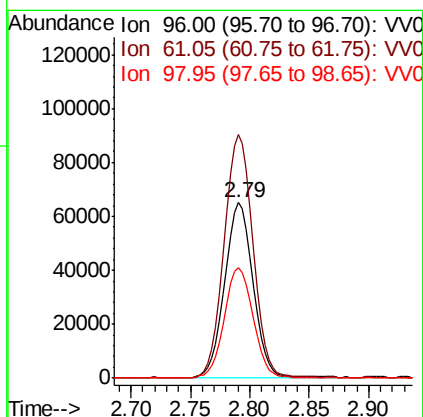
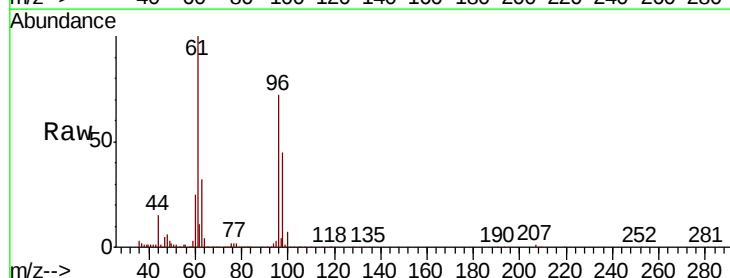
Instrument :
MSVOA_V
ClientSampleId :

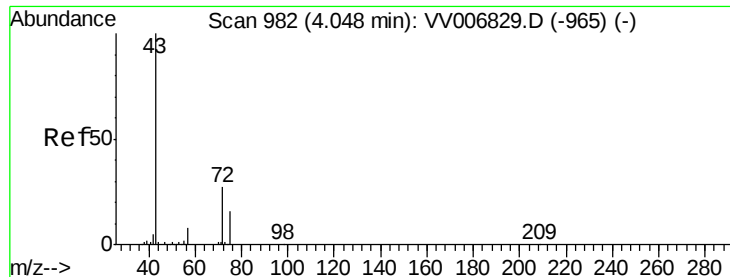
Tot Ion: 43 Resp: 17031
Ion Ratio Lower Upper
43 100
74 0.3 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 6.669 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006835.D
Acq: 03 Aug 2018 04:26

Tgt Ion: 96 Resp: 106893
Ion Ratio Lower Upper
96 100
61 138.9 99.0 183.8
98 63.1 42.8 79.4





#21

2-Butanone

Concen: 0.431 ug/L

RT: 4.03 min Scan# 978

Delta R.T. -0.01 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

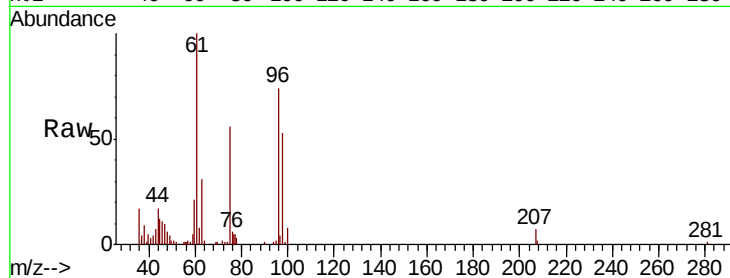
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1795

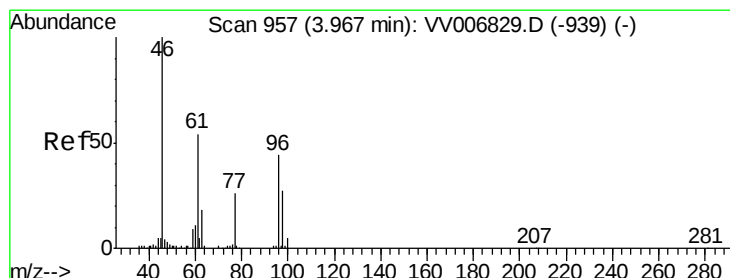
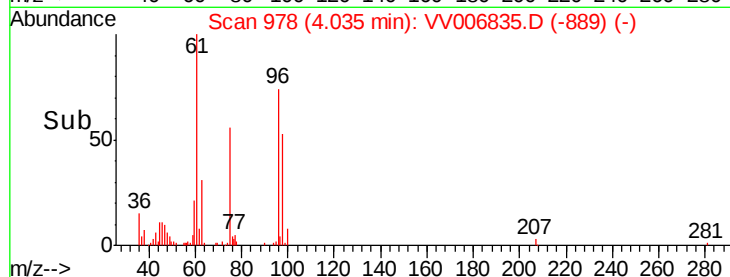
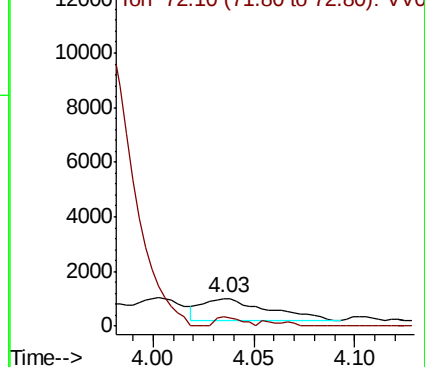
Ion Ratio Lower Upper

43 100

72 0.0 13.4 40.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 281.385 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

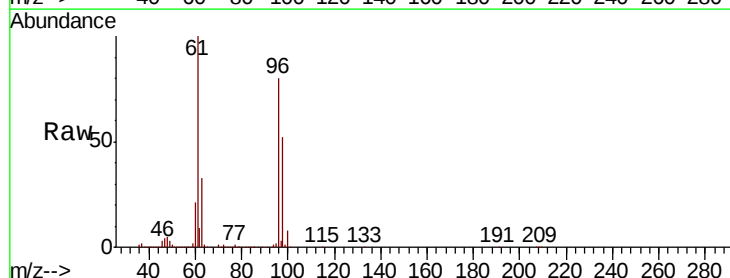
Tgt Ion: 96 Resp: 4840952

Ion Ratio Lower Upper

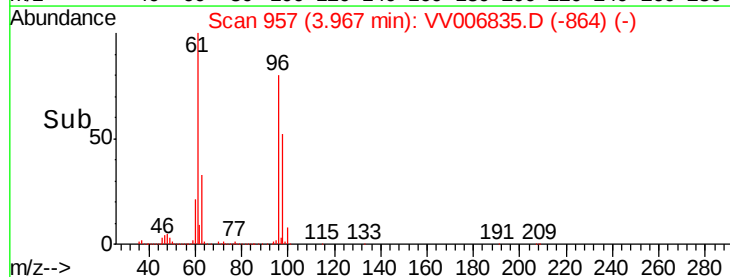
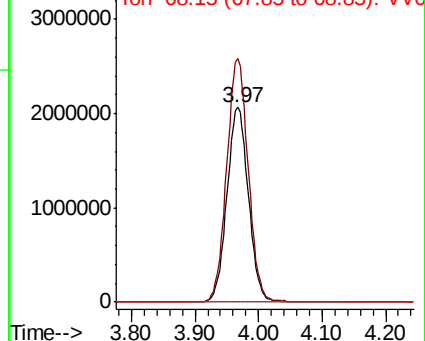
96 100

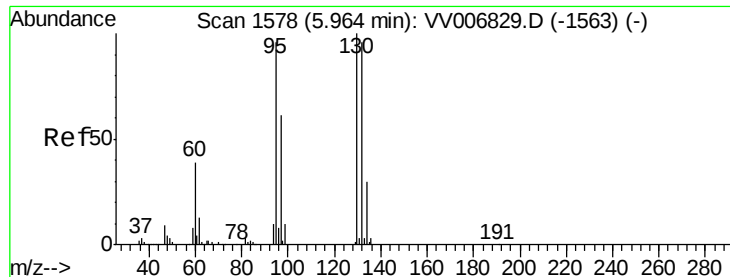
61 125.2 86.6 160.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 0.348 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 5618

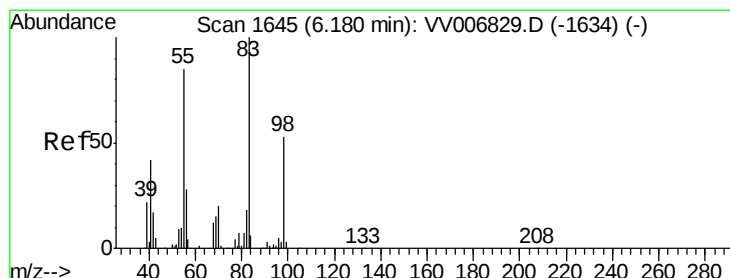
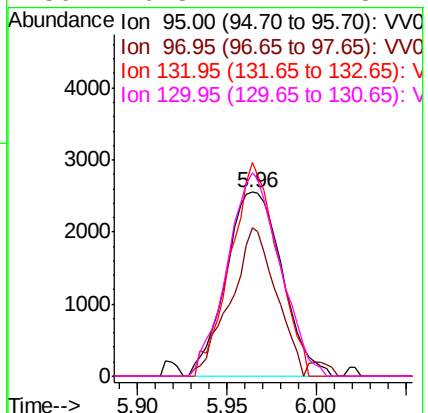
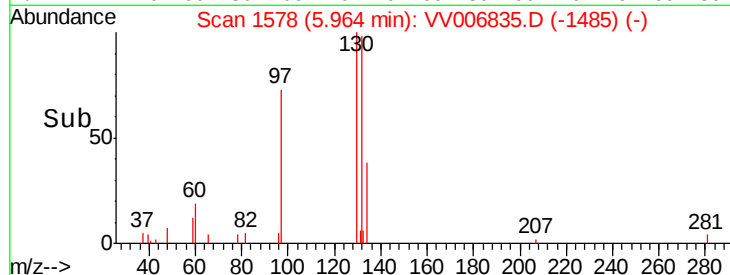
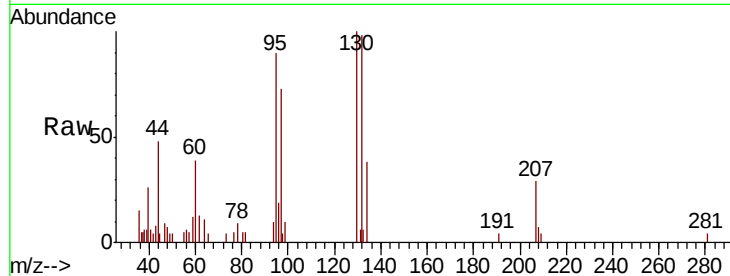
Ion Ratio Lower Upper

95 100

97 80.9 46.3 86.1

132 116.0 72.0 133.6

130 110.8 72.4 134.4



#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

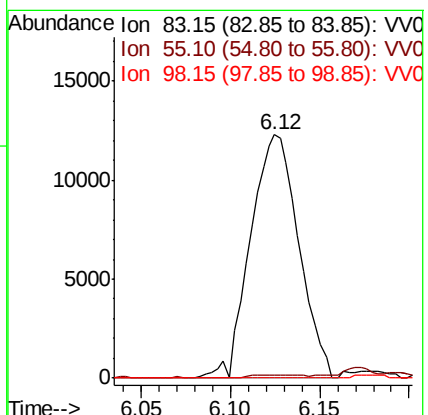
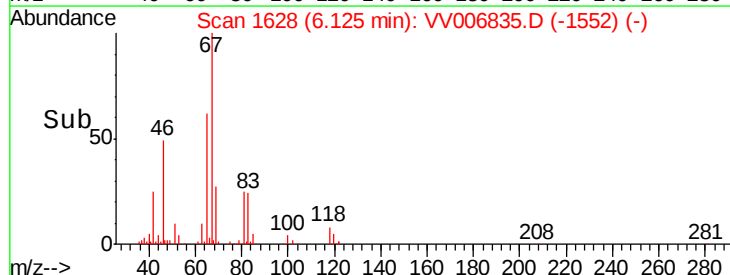
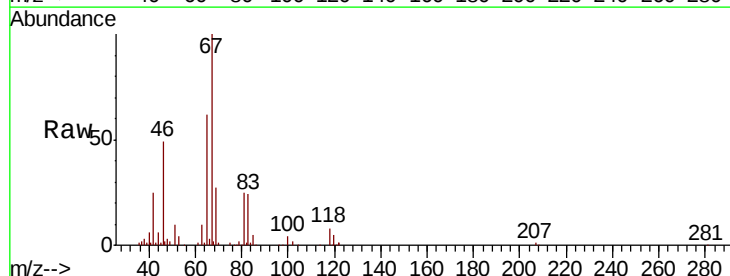
Tgt Ion: 83 Resp: 23098

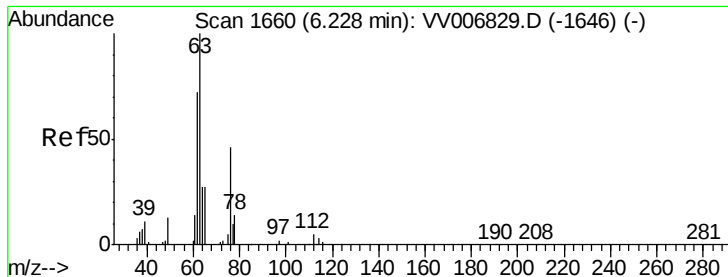
Ion Ratio Lower Upper

83 100

55 0.9 61.8 92.6#

98 0.0 37.2 55.8#





#37

1,2-Dichloropropane

Concen: 0.636 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

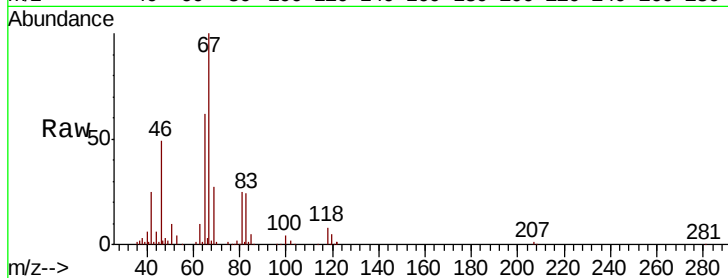
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 10567

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.6#



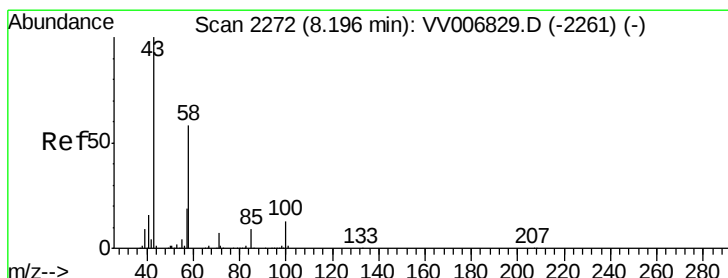
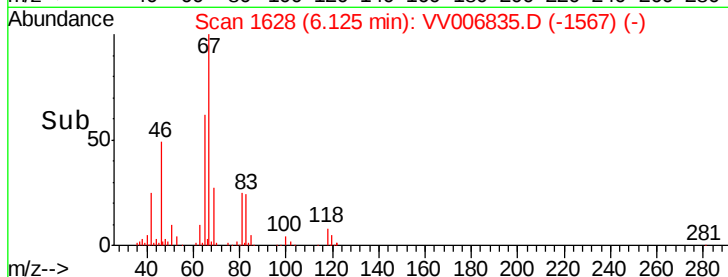
Abundance Ion 63.10 (62.80 to 63.80): VV006835.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV006835.D (-1567) (-)

6.12

6.05 6.10 6.15 6.20

Time-->



#48

2-Hexanone

Concen: 1.022 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV006835.D

Acq: 03 Aug 2018 04:26

Tgt Ion: 43 Resp: 6379

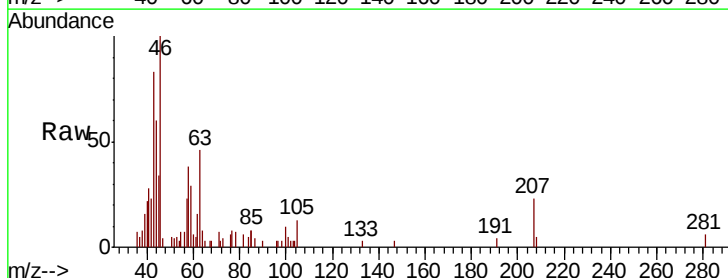
Ion Ratio Lower Upper

43 100

58 40.8 45.4 68.0#

57 17.7 15.4 23.2

100 14.7 10.6 16.0



Abundance Ion 43.05 (42.75 to 43.75): VV006835.D (-2179) (-)

Ion 58.05 (57.75 to 58.75): VV006835.D (-2179) (-)

Ion 57.20 (56.90 to 57.90): VV006835.D (-2179) (-)

Ion 100.15 (99.85 to 100.85): VV006835.D (-2179) (-)

8.20

8.15 8.20 8.25

Time-->

