

Data File : VV013357.D
Acq On : 25 Oct 2019 20:07
Operator : SY/MD
Sample : K5462-18DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G16DL

Quant Time: Oct 26 01:03:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	418286	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	458476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	246792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	188995	6.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.60%
7) Chloroethane-d5	1.58	69	119500	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.12	63	226753	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	3.95	46	389067	65.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.40%#
24) Chloroform-d	4.40	84	353572	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	174394	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	791985	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.11	67	227763	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	677552	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.66	79	76767	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	254165	42.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	145653	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	276089	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	14513	0.360	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2757	0.080	ug/L #	16
12) 1,1-Dichloroethene	2.13	96	2930	0.089	ug/L #	1
16) Methylene chloride	2.53	84	11846	0.240	ug/L	94
17) Methyl tert-butyl Ether	2.80	73	1013027	13.301	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	11083	0.286	ug/L	97
19) 1,1-Dichloroethane	3.22	63	5856	0.093	ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	312578	7.533	ug/L #	92
25) Chloroform	4.42	83	27705	0.337	ug/L	99
34) Trichloroethene	5.96	95	75961	1.617	ug/L	92
35) Methylcyclohexane	6.11	83	56437	0.781	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	23538	0.554	ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	3186	0.070	ug/L	88
48) 2-Hexanone	8.19	43	23561	1.518	ug/L #	75

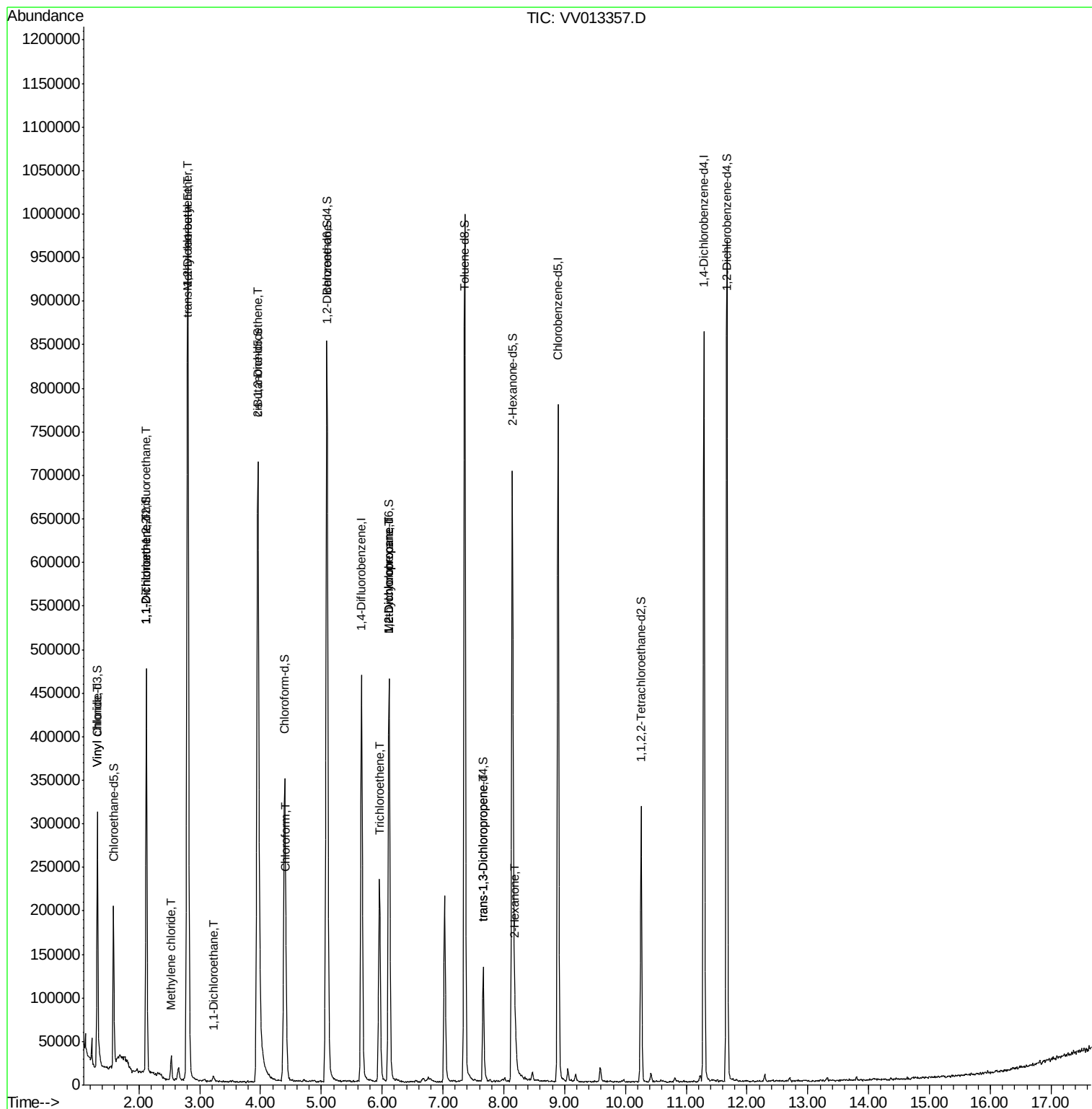
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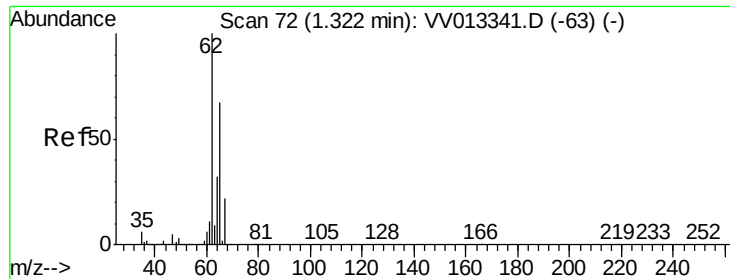
Data File : VV013357.D

```
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
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#5

Vinyl chloride

Concen: 0.360 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

Instrument :

MSVOA_V

ClientSampleId :

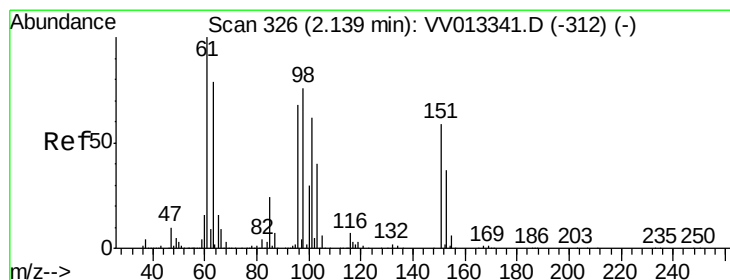
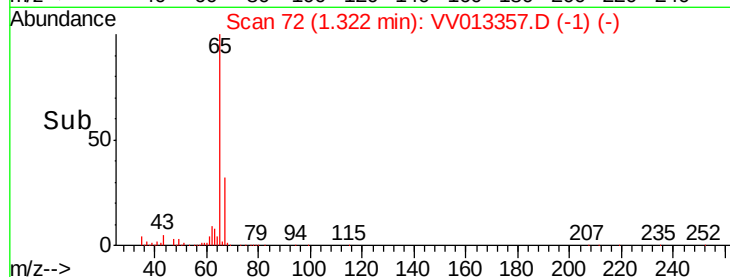
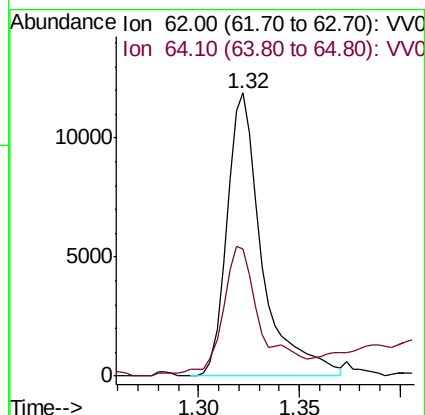
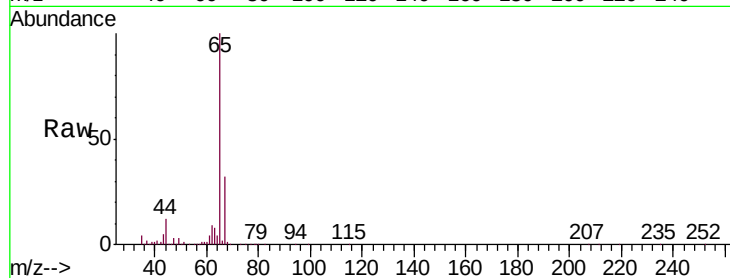
H0G16DL

Tgt Ion: 62 Resp: 14513

Ion Ratio Lower Upper

62 100

64 44.8 22.9 42.5#



#10

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

Concen: 0.080 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

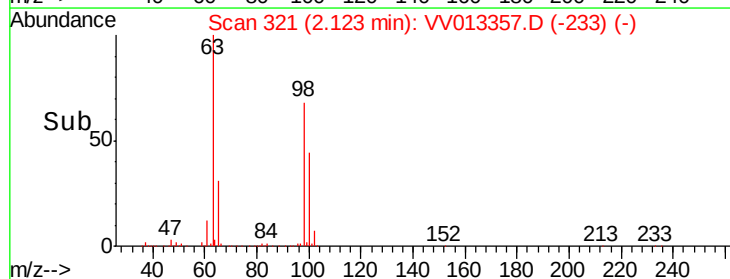
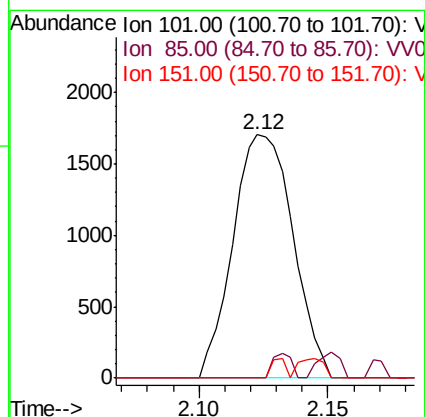
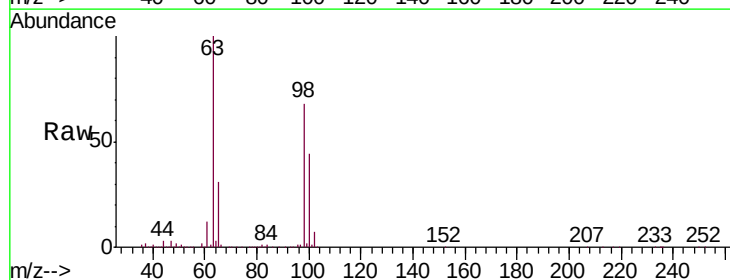
Tgt Ion: 101 Resp: 2757

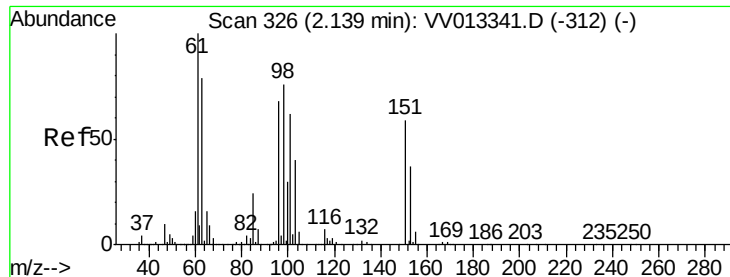
Ion Ratio Lower Upper

101 100

85 3.2 31.8 47.8#

151 1.8 72.9 109.3#

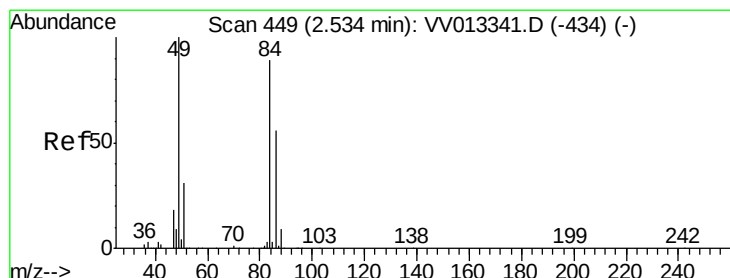
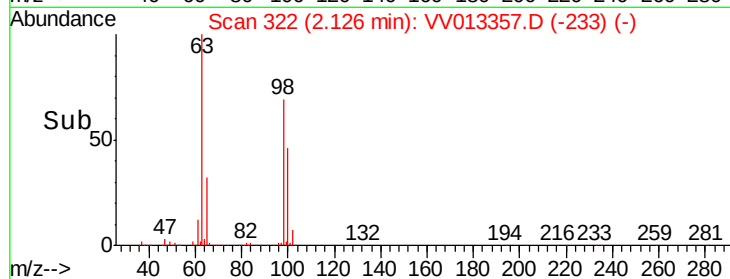
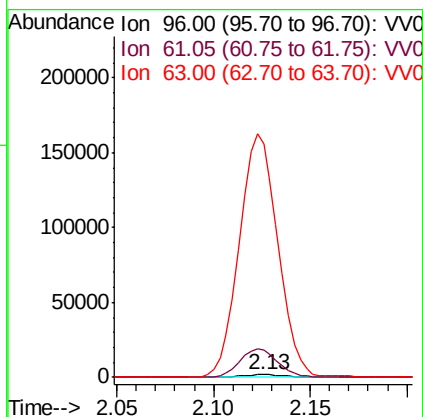
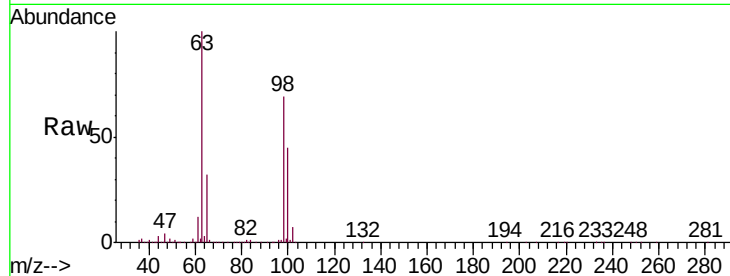




#12
 1,1-Dichloroethene
 Concen: 0.089 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV013357.D
 Acq: 25 Oct 2019 20:07

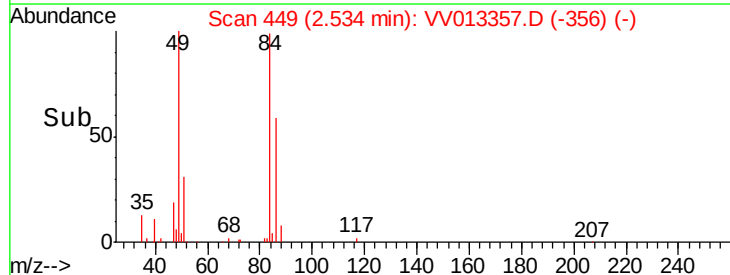
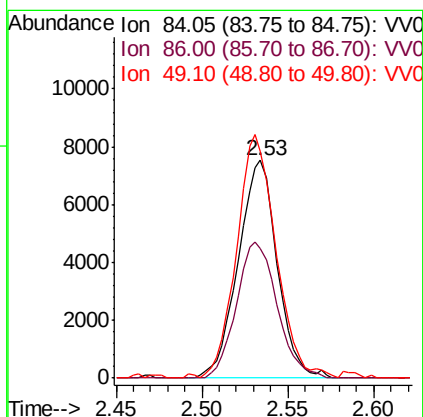
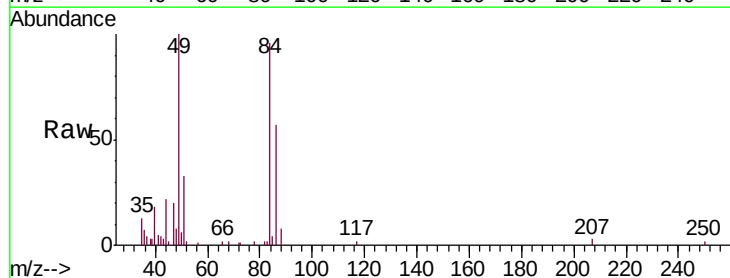
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G16DL

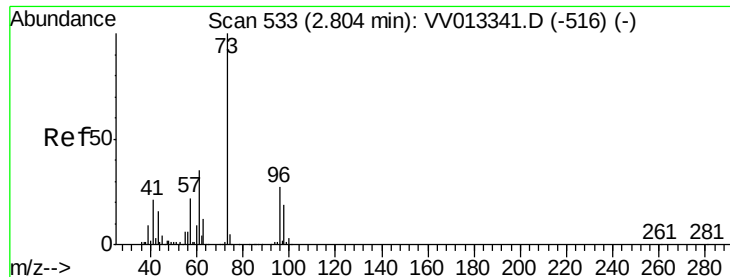
Tgt Ion: 96 Resp: 2930
 Ion Ratio Lower Upper
 96 100
 61 1025.3 104.0 193.1#
 63 8825.8 67.1 124.5#



#16
 Methylene chloride
 Concen: 0.240 ug/L
 RT: 2.53 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VV013357.D
 Acq: 25 Oct 2019 20:07

Tgt Ion: 84 Resp: 11846
 Ion Ratio Lower Upper
 84 100
 86 59.6 46.2 85.8
 49 104.2 76.4 141.8

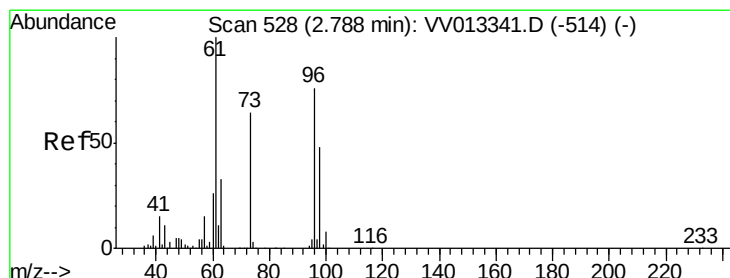
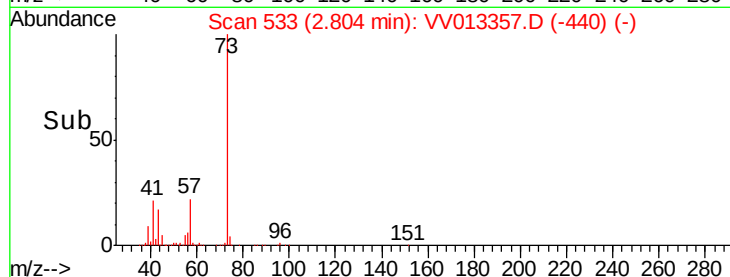
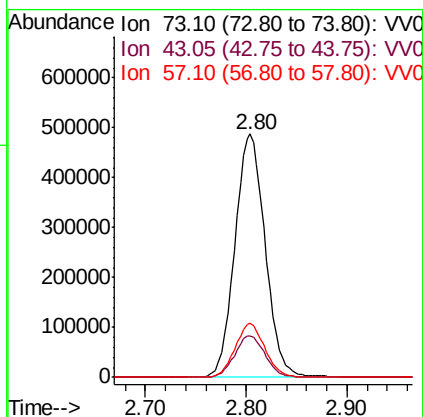
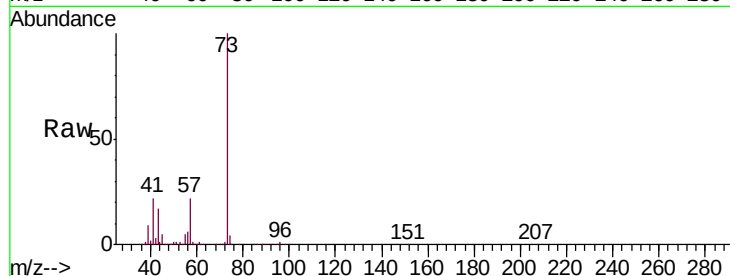




#17
Methyl tert-butyl Ether
Concen: 13.301 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

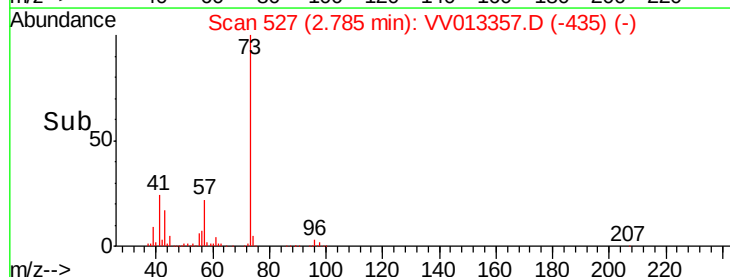
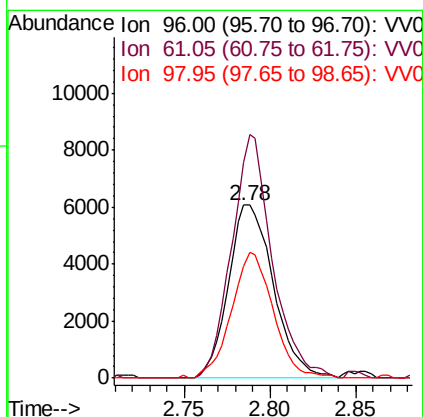
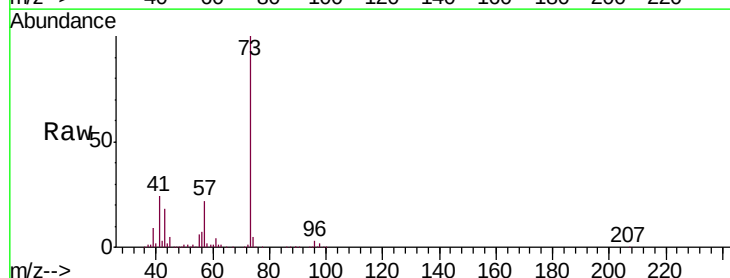
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MSVOA_V
ClientSampleId :
H0G16DL

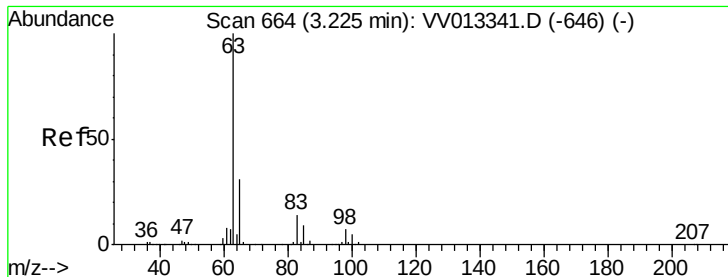
Tgt Ion: 73 Resp: 1013027
Ion Ratio Lower Upper
73 100
43 17.1 13.1 19.7
57 21.7 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.286 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

Tgt Ion: 96 Resp: 11083
Ion Ratio Lower Upper
96 100
61 124.5 84.4 156.8
98 64.7 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

Instrument :

MSVOA_V

ClientSampleId :

H0G16DL

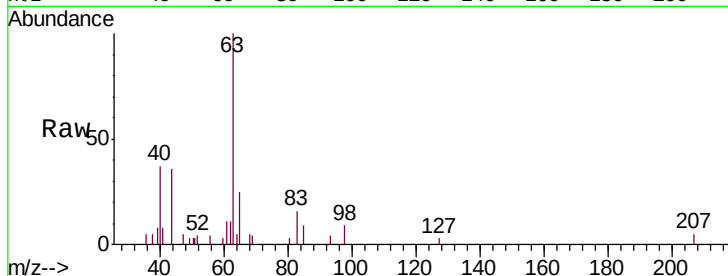
Tgt Ion: 63 Resp: 5856

Ion Ratio Lower Upper

63 100

65 24.7 23.0 42.8

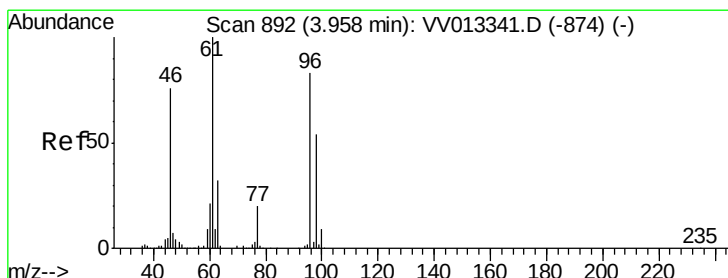
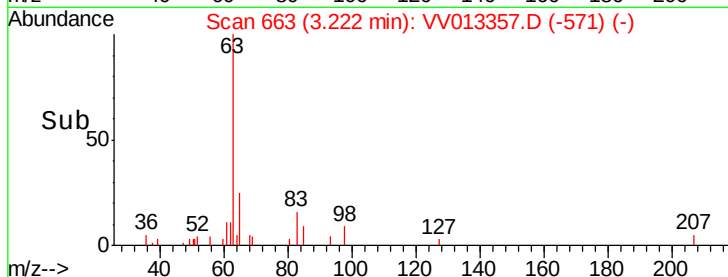
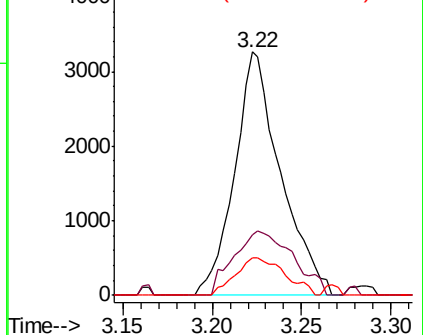
83 15.5 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VV013357.D (-571) (-)

Ion 65.10 (64.80 to 65.80): VV013357.D (-571) (-)

Ion 83.05 (82.75 to 83.75): VV013357.D (-571) (-)



#22

cis-1,2-Dichloroethene

Concen: 7.533 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

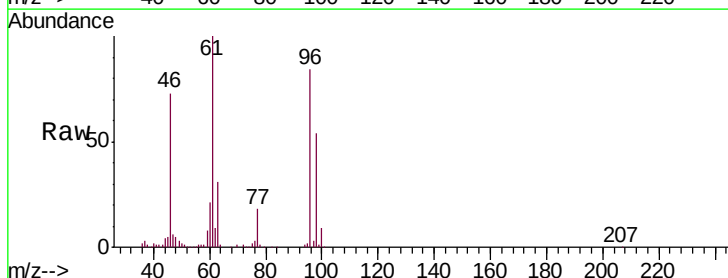
Tgt Ion: 96 Resp: 312578

Ion Ratio Lower Upper

96 100

61 119.3 77.3 143.7

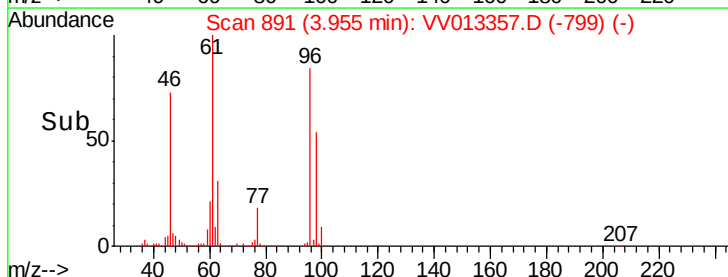
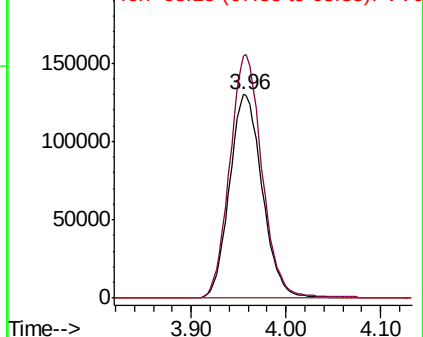
68 0.0 0.1 0.1#

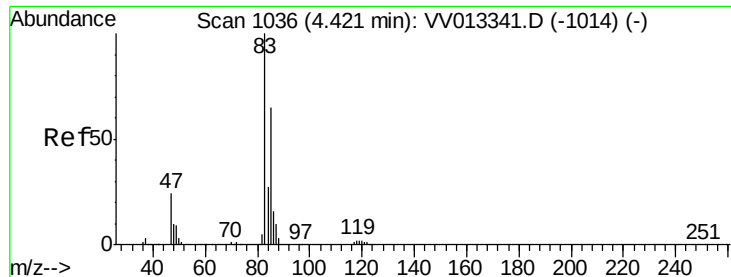


Abundance Ion 96.00 (95.70 to 96.70): VV013357.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013357.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013357.D (-799) (-)

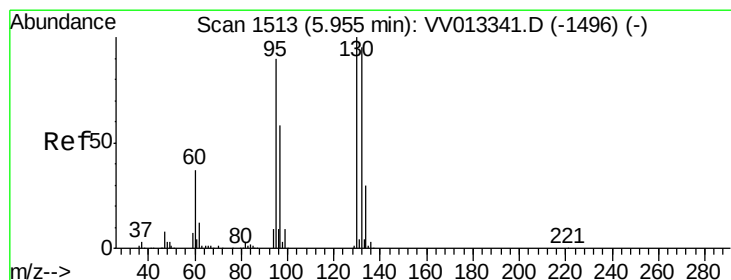
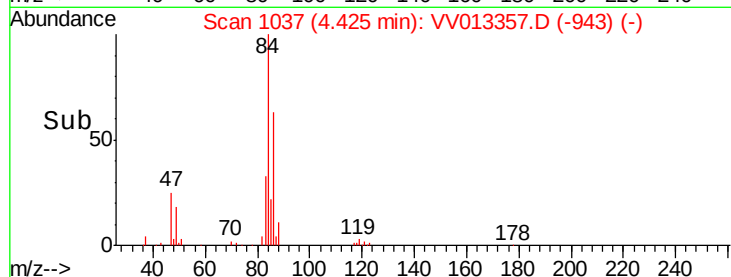
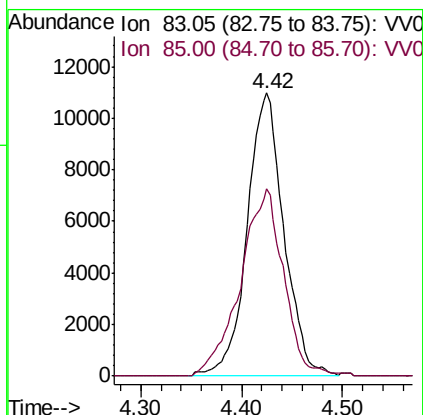
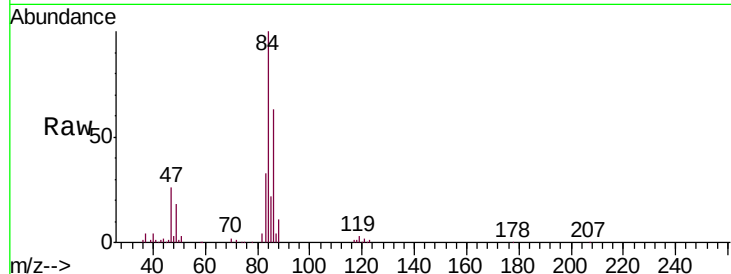




#25
Chloroform
Concen: 0.337 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

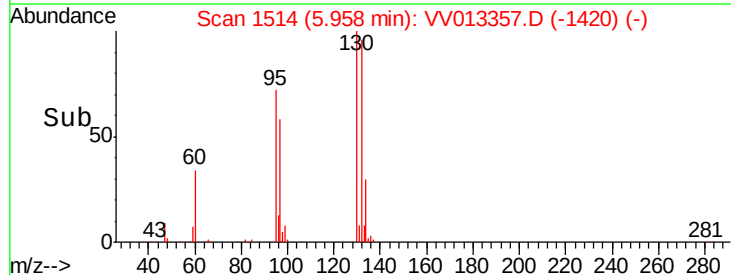
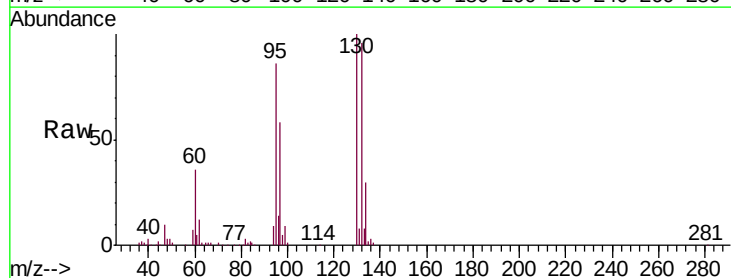
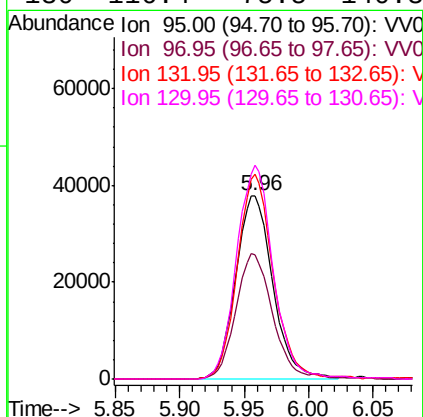
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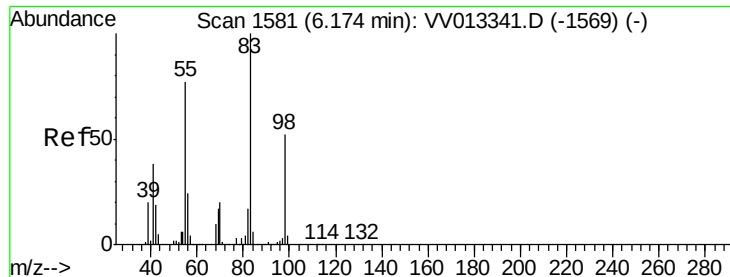
Tgt Ion: 83 Resp: 27705
Ion Ratio Lower Upper
83 100
85 66.4 45.7 84.9



#34
Trichloroethene
Concen: 1.617 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

Tgt Ion: 95 Resp: 75961
Ion Ratio Lower Upper
95 100
97 67.8 45.2 84.0
132 111.8 70.6 131.2
130 116.4 75.5 140.3

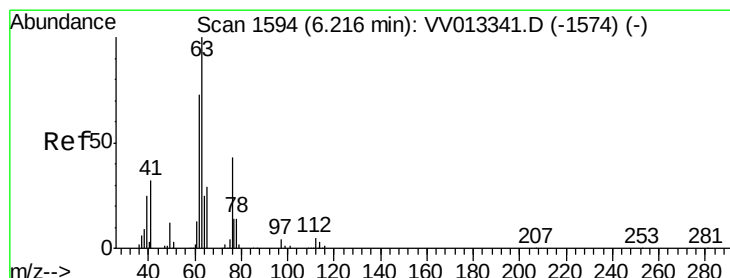
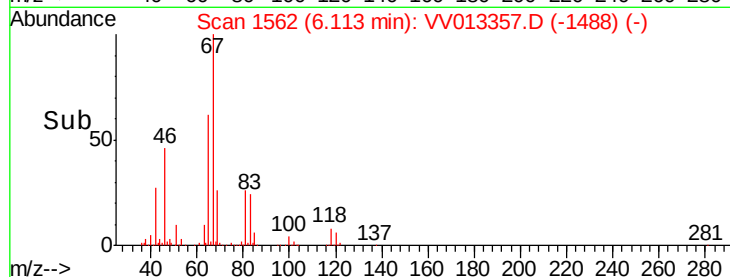
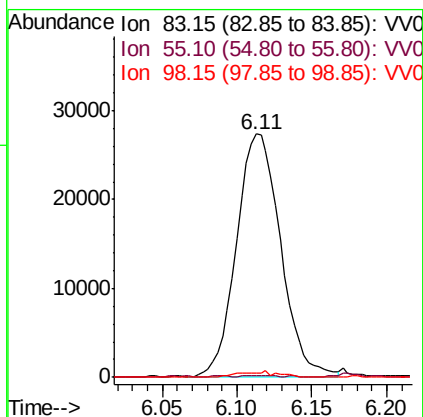
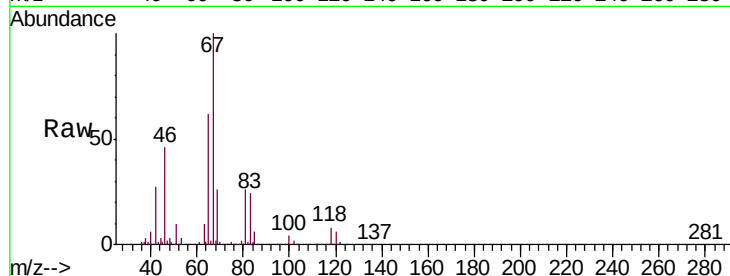




#35
Methylcyclohexane
Concen: 0.781 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

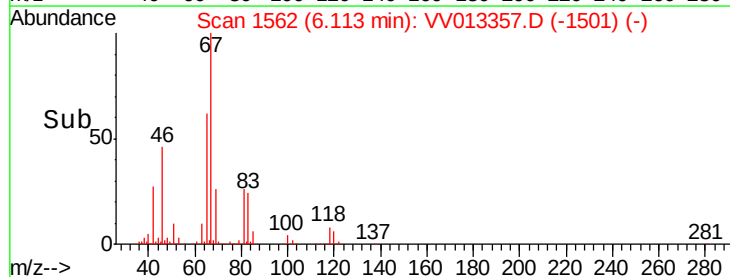
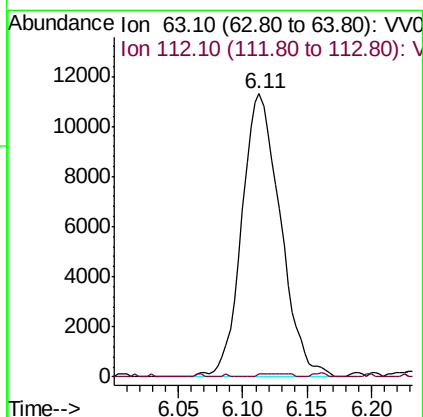
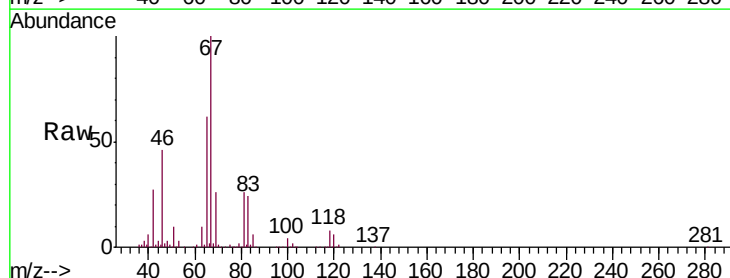
Instrument :
MSVOA_V
ClientSampleId :
H0G16DL

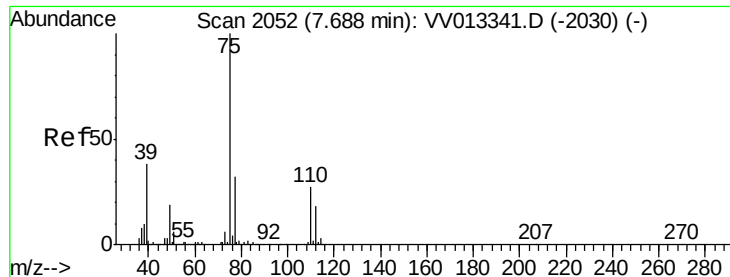
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	62.4	93.6#
98	1.0	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013357.D
Acq: 25 Oct 2019 20:07

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.9	4.1	6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

Instrument :

MSVOA_V

ClientSampleId :

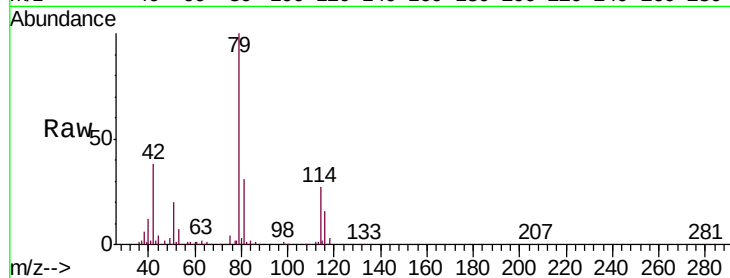
H0G16DL

Tgt Ion: 75 Resp: 3186

Ion Ratio Lower Upper

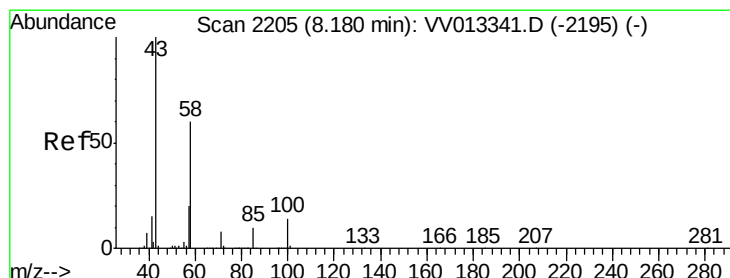
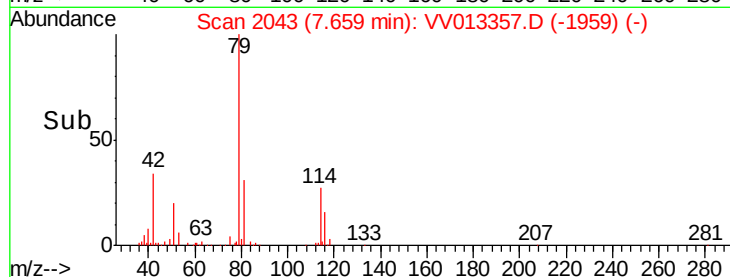
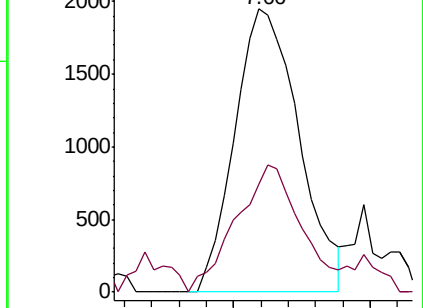
75 100

77 38.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.518 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013357.D

Acq: 25 Oct 2019 20:07

Tgt Ion: 43 Resp: 23561

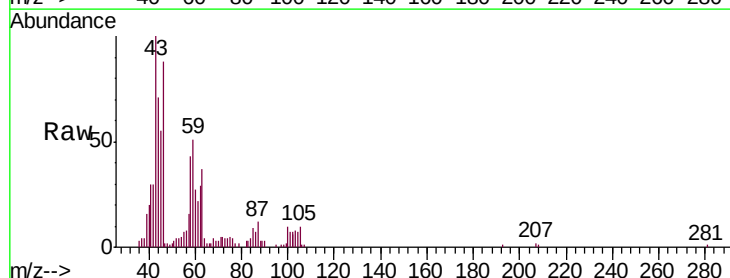
Ion Ratio Lower Upper

43 100

58 33.7 45.1 67.7#

57 15.0 15.5 23.3#

100 4.0 10.2 15.2#



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

