

Data File : VV013359.D
Acq On : 25 Oct 2019 20:55
Operator : SY/MD
Sample : K5462-22DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G26DL

Quant Time: Oct 26 01:03:31 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	411498	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	449875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	235246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	189851	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.59	69	147735	5.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.00%
11) 1,1-Dichloroethene-d2	2.13	63	227348	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	3.93	46	360045	61.80	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.60%
24) Chloroform-d	4.40	84	347042	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.08	65	168128	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.10	84	752202	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.12	67	215789	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	632935	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.66	79	72862	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.13	63	223792	37.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141871	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	256552	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

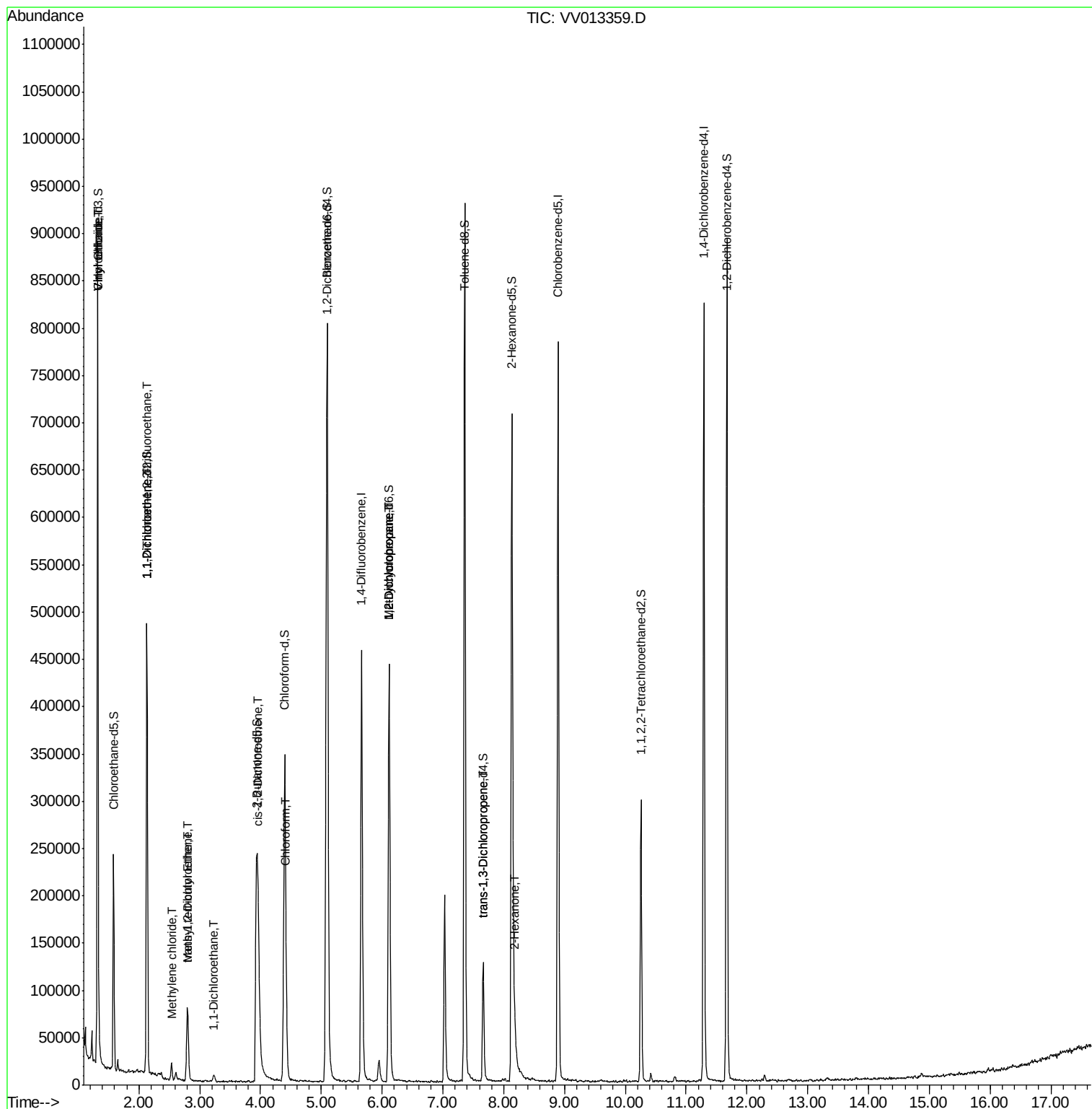
					Qvalue
5) Vinyl chloride	1.32	62	392148	9.875 ug/L	100
8) Chloroethane	1.32	64	124472	5.259 ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2748	0.081 ug/L #	26
12) 1,1-Dichloroethene	2.14	96	2727	0.084 ug/L #	1
16) Methylene chloride	2.53	84	7194	0.148 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	44861	0.599 ug/L #	94
18) trans-1,2-Dichloroethene	2.79	96	16323	0.428 ug/L	93
19) 1,1-Dichloroethane	3.23	63	7297	0.118 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	52272	1.280 ug/L #	95
25) Chloroform	4.43	83	22454	0.278 ug/L	86
35) Methylcyclohexane	6.12	83	53110	0.749 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	22641	0.543 ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	2883	0.065 ug/L	94
48) 2-Hexanone	8.18	43	23661	1.554 ug/L #	82

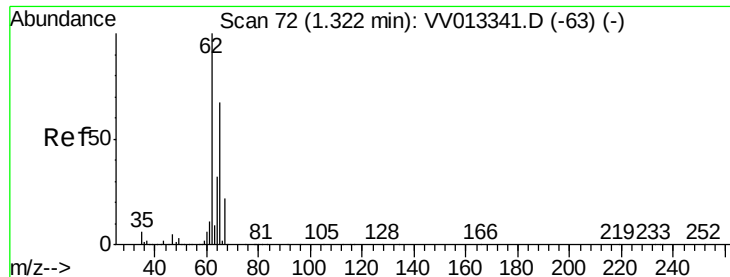
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.875 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Instrument :

MSVOA_V

ClientSampleId :

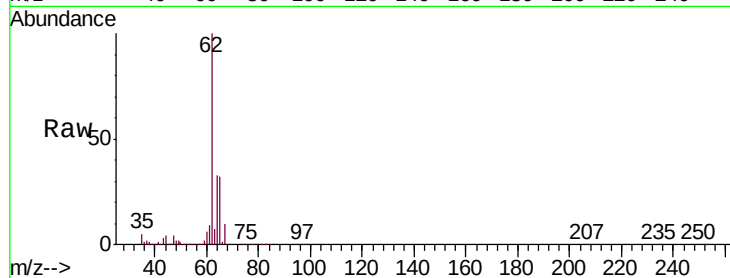
H0G26DL

Tgt Ion: 62 Resp: 392148

Ion Ratio Lower Upper

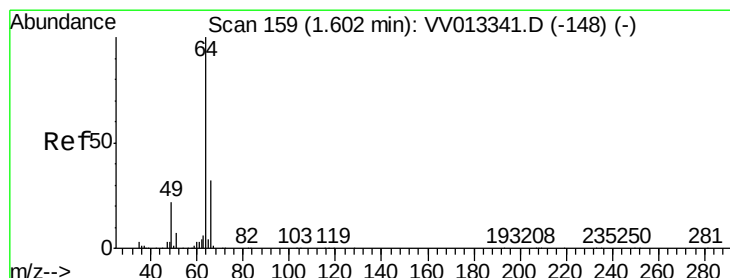
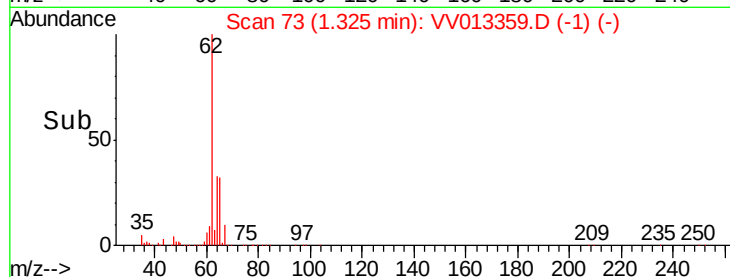
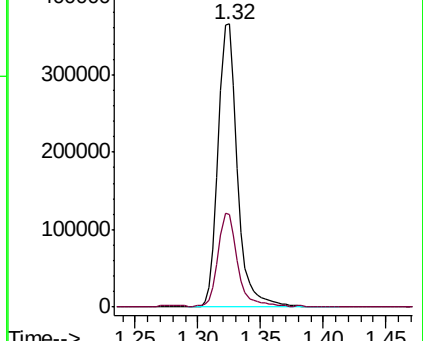
62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 5.259 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013359.D

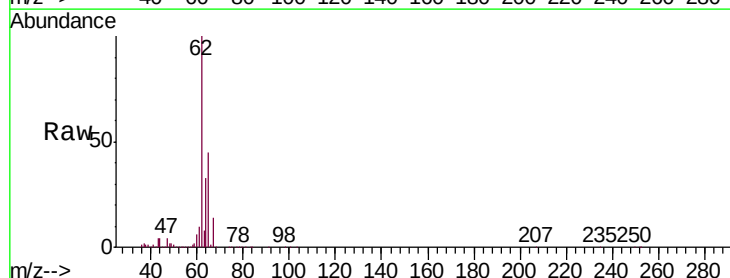
Acq: 25 Oct 2019 20:55

Tgt Ion: 64 Resp: 124472

Ion Ratio Lower Upper

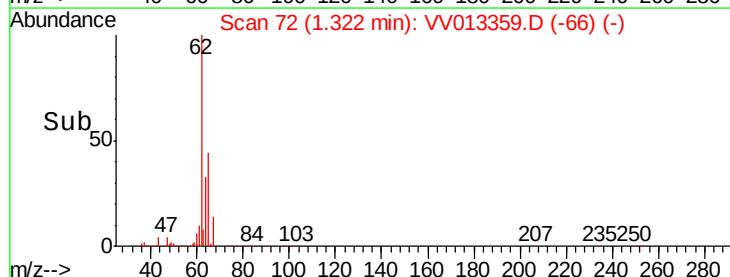
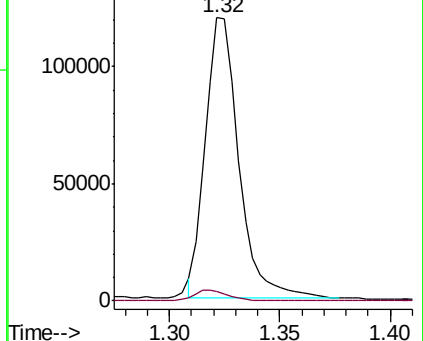
64 100

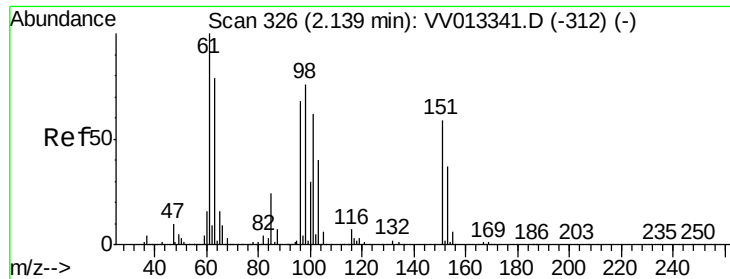
66 3.4 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.081 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Instrument :

MSVOA_V

ClientSampleId :

H0G26DL

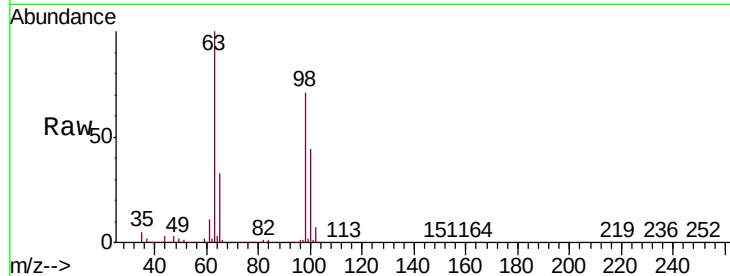
Tgt Ion: 101 Resp: 2748

Ion Ratio Lower Upper

101 100

85 6.4 31.8 47.8#

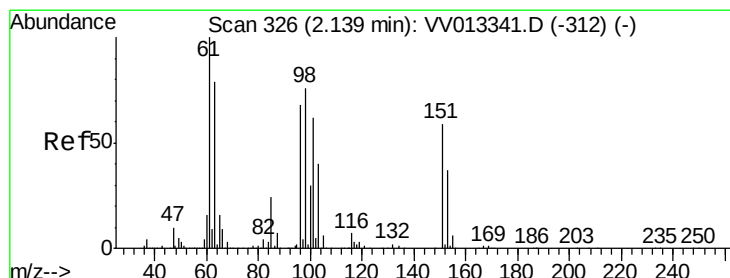
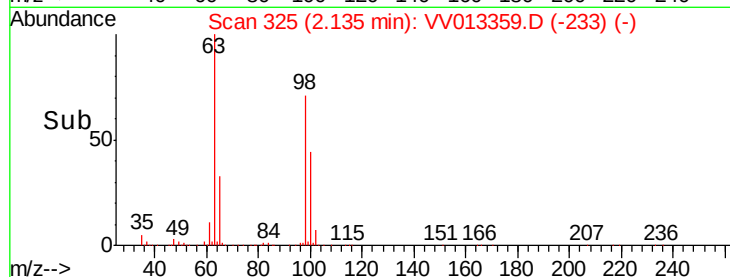
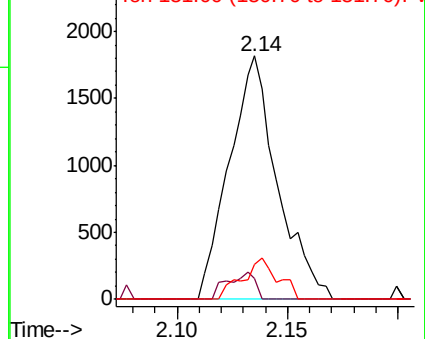
151 12.3 72.9 109.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

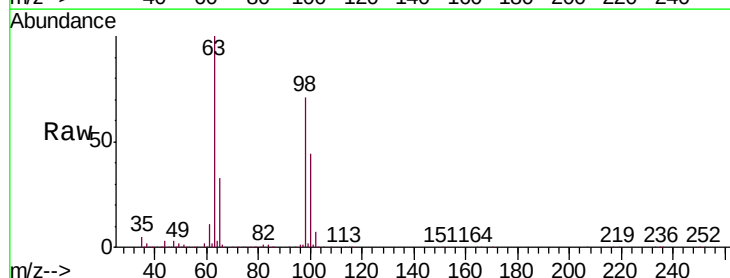
Tgt Ion: 96 Resp: 2727

Ion Ratio Lower Upper

96 100

61 959.7 104.0 193.1#

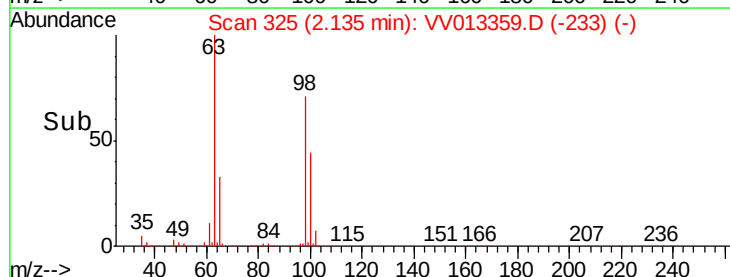
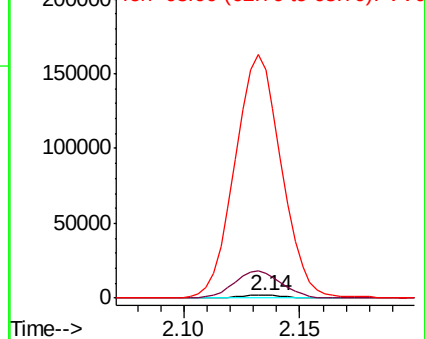
63 8746.9 67.1 124.5#

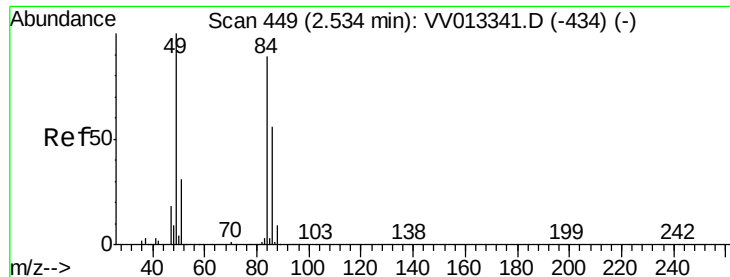


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

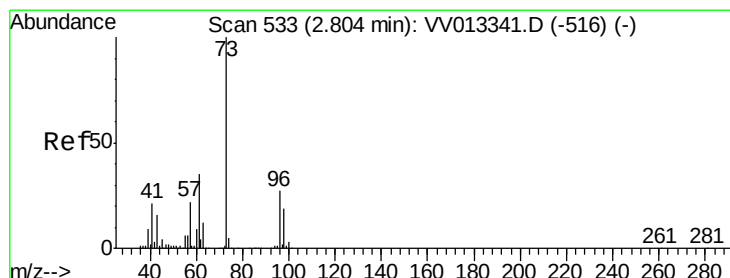
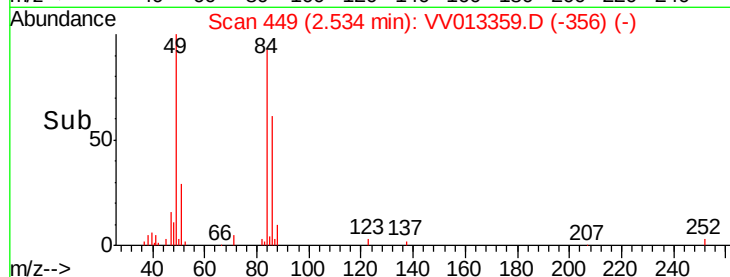
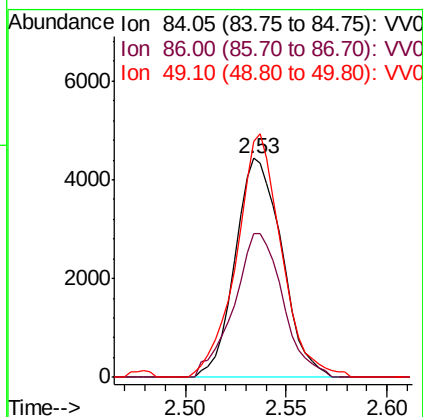
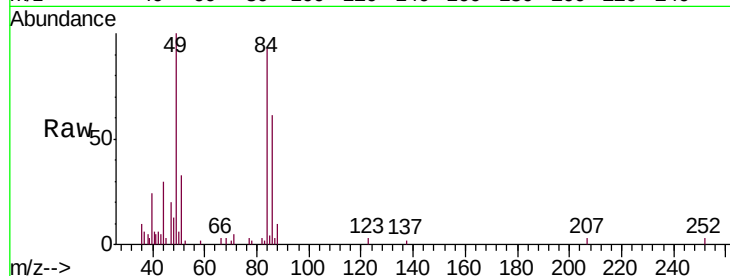




#16
Methylene chloride
Concen: 0.148 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013359.D
Acq: 25 Oct 2019 20:55

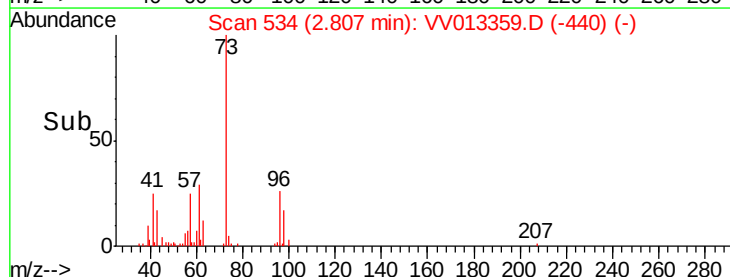
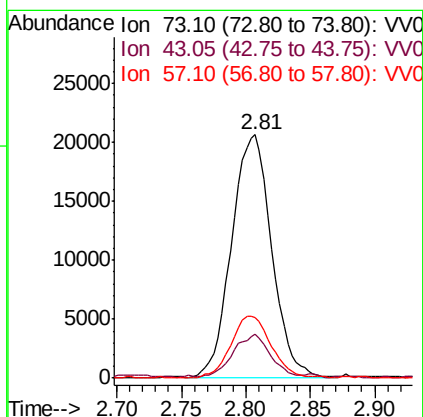
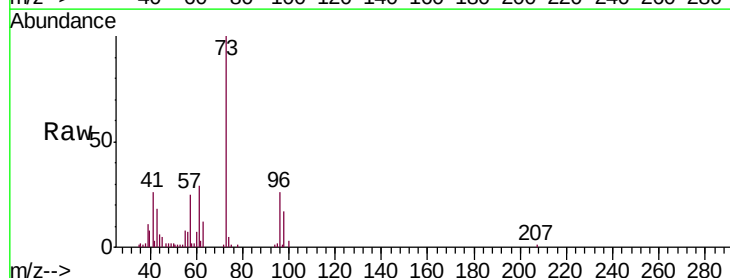
Instrument :
MSVOA_V
ClientSampleId :
H0G26DL

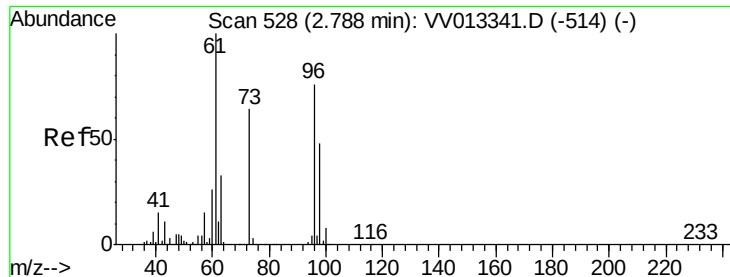
Tgt Ion: 84 Resp: 7194
Ion Ratio Lower Upper
84 100
86 65.6 46.2 85.8
49 107.5 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 0.599 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013359.D
Acq: 25 Oct 2019 20:55

Tgt Ion: 73 Resp: 44861
Ion Ratio Lower Upper
73 100
43 16.3 13.1 19.7
57 25.2 16.4 24.6#





#18

trans-1,2-Dichloroethene

Concen: 0.428 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Instrument :

MSVOA_V

ClientSampleId :

H0G26DL

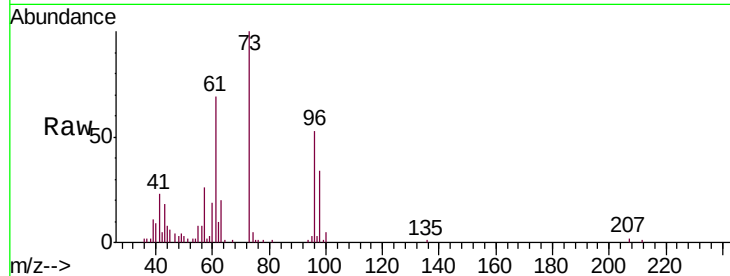
Tgt Ion: 96 Resp: 16323

Ion Ratio Lower Upper

96 100

61 131.2 84.4 156.8

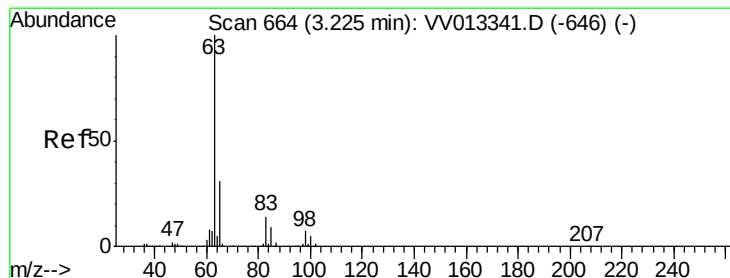
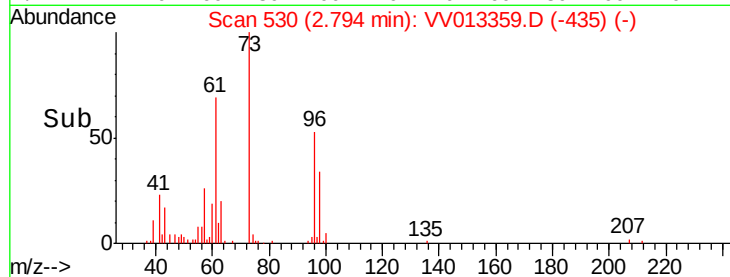
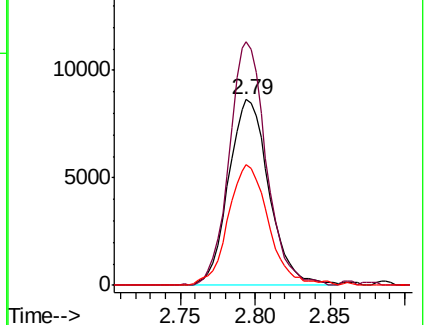
98 65.0 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV013341.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV013341.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV013341.D (-514) (-)



#19

1,1-Dichloroethane

Concen: 0.118 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

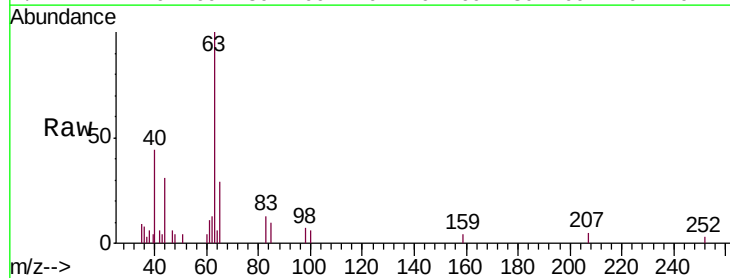
Tgt Ion: 63 Resp: 7297

Ion Ratio Lower Upper

63 100

65 29.2 23.0 42.8

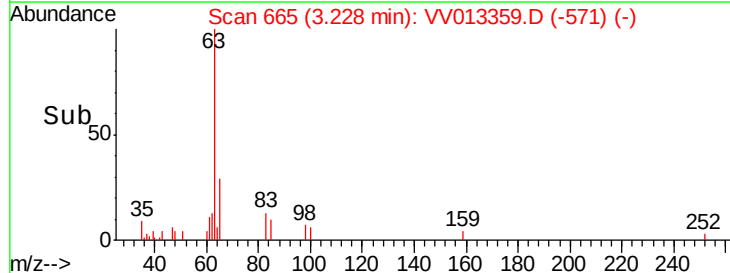
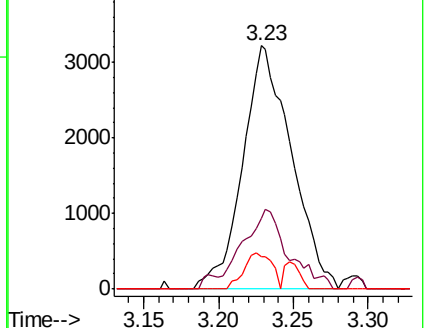
83 13.1 10.2 19.0

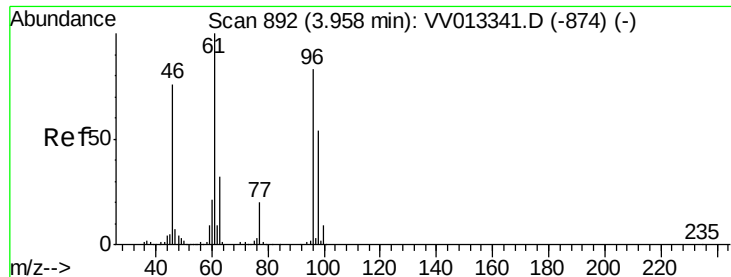


Abundance Ion 63.10 (62.80 to 63.80): VV013341.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV013341.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV013341.D (-646) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.280 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Instrument :

MSVOA_V

ClientSampleId :

H0G26DL

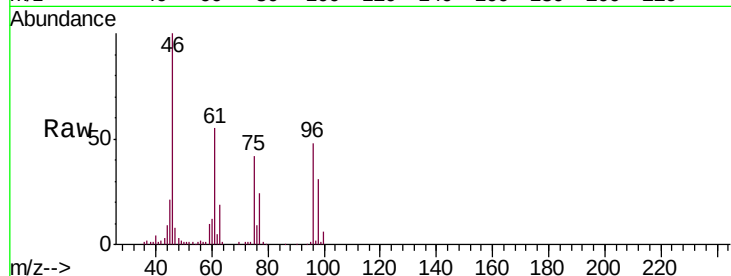
Tgt Ion: 96 Resp: 52272

Ion Ratio Lower Upper

96 100

61 116.3 77.3 143.7

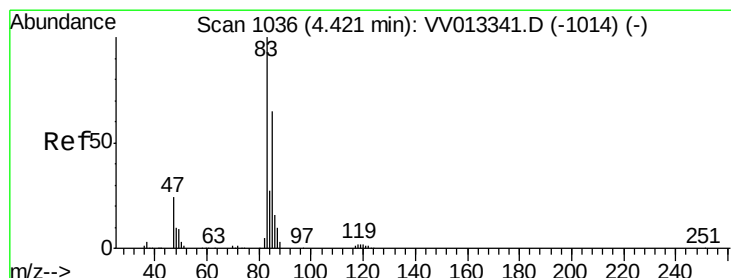
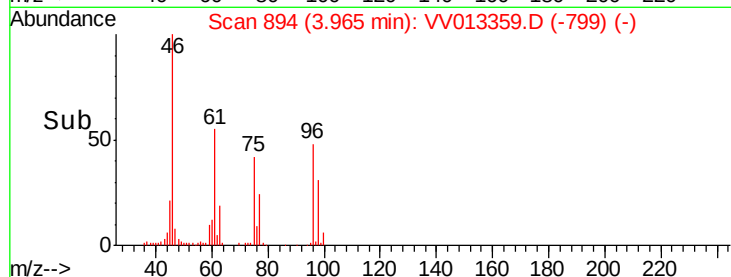
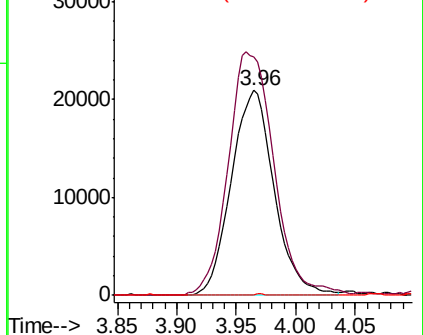
68 0.0 0.1 0.1#



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



#25

Chloroform

Concen: 0.278 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013359.D

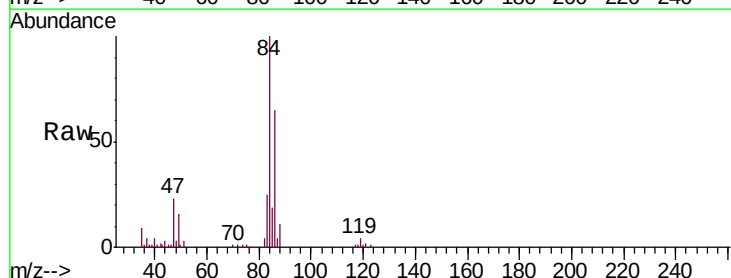
Acq: 25 Oct 2019 20:55

Tgt Ion: 83 Resp: 22454

Ion Ratio Lower Upper

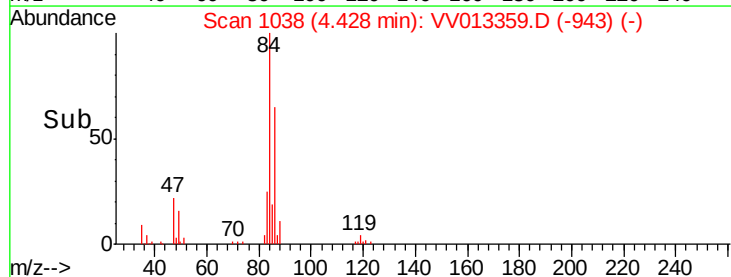
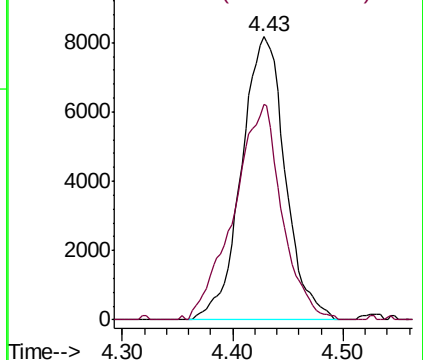
83 100

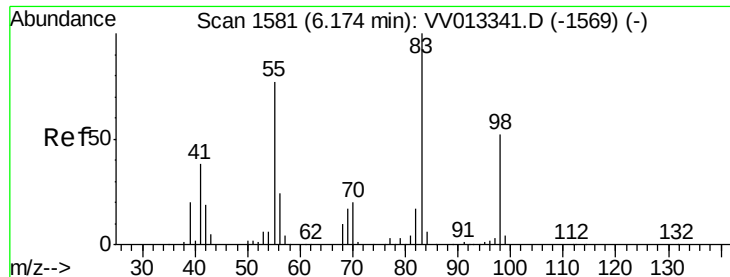
85 76.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

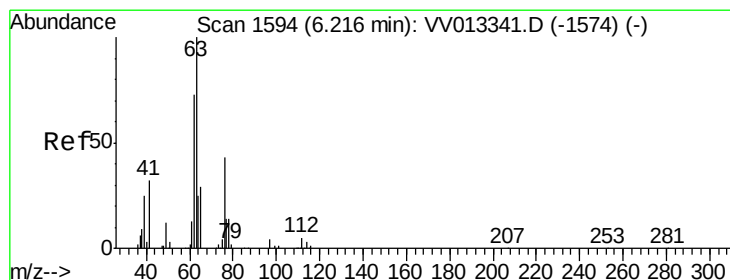
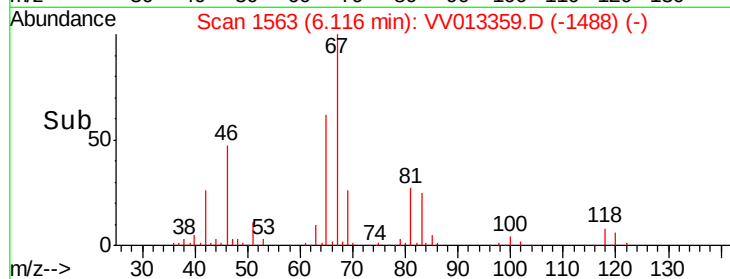
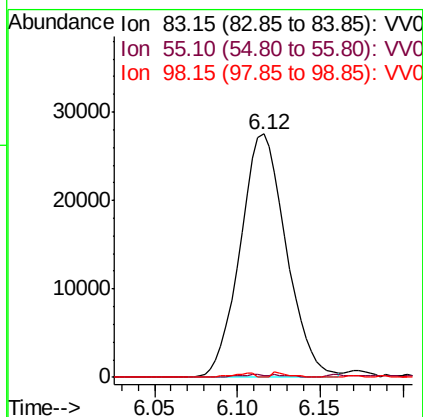
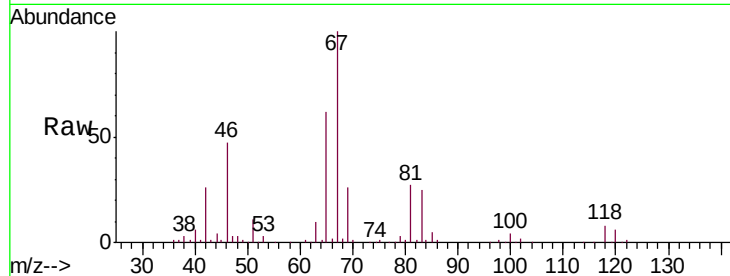




#35
Methylcyclohexane
Concen: 0.749 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013359.D
Acq: 25 Oct 2019 20:55

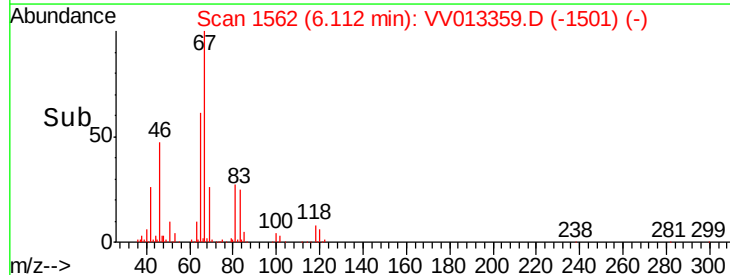
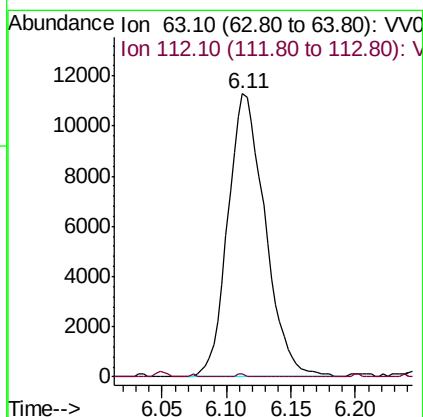
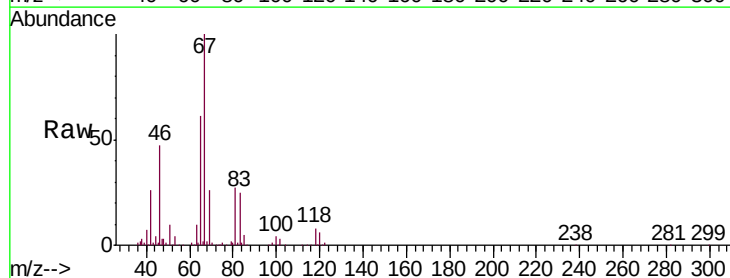
Instrument :
MSVOA_V
ClientSampleId :
H0G26DL

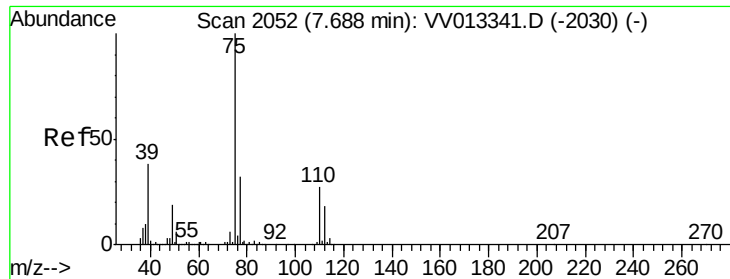
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.4	93.6#
98	0.7	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013359.D
Acq: 25 Oct 2019 20:55

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	4.1	6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Instrument :

MSVOA_V

ClientSampleId :

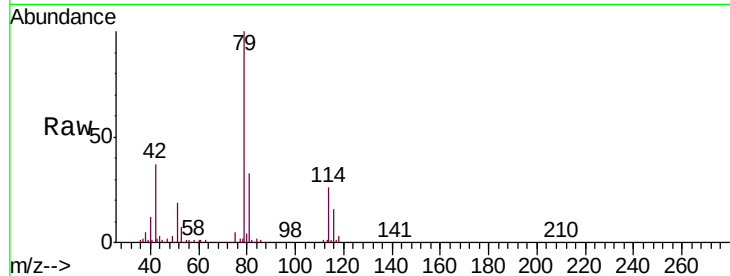
H0G26DL

Tgt Ion: 75 Resp: 2883

Ion Ratio Lower Upper

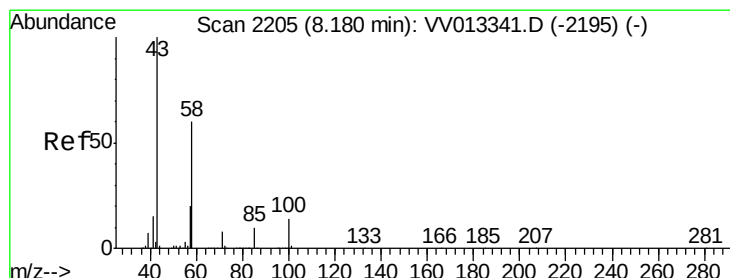
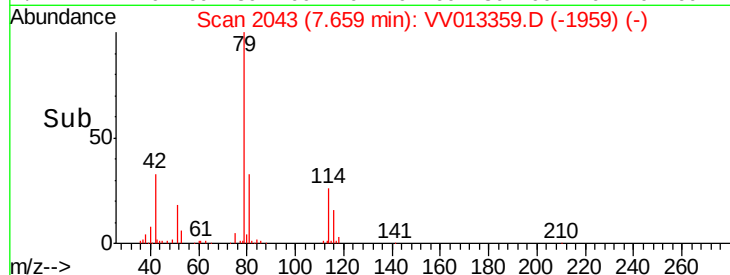
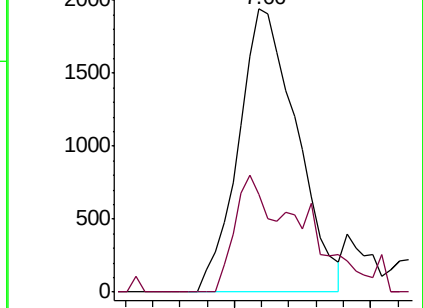
75 100

77 34.7 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: 1.554 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013359.D

Acq: 25 Oct 2019 20:55

Tgt Ion: 43 Resp: 23661

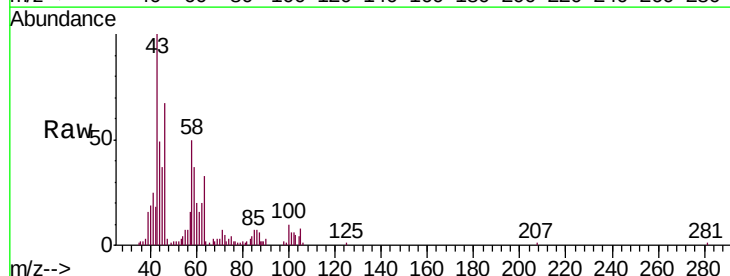
Ion Ratio Lower Upper

43 100

58 47.3 45.1 67.7

57 1.7 15.5 23.3#

100 7.7 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

