

Data File : VV013360.D
Acq On : 25 Oct 2019 21:19
Operator : SY/MD
Sample : K5462-23DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G27DL

Quant Time: Oct 26 01:03:40 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	400791	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	434505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	225531	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	191616	6.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.80%
7) Chloroethane-d5	1.58	69	149721	6.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.80%
11) 1,1-Dichloroethene-d2	2.13	63	229556	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.93	46	376938	66.43	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.86%#
24) Chloroform-d	4.40	84	355580	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.08	65	177639	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.10	84	772017	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.12	67	225220	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.36	98	634053	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.66	79	73960	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.13	63	231922	40.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	144611	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	253726	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	338787	8.759	ug/L	99
8) Chloroethane	1.32	64	109366	4.745	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2708	0.082	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	2389	0.076	ug/L #	1
16) Methylene chloride	2.53	84	7792	0.165	ug/L	93
17) Methyl tert-butyl Ether	2.80	73	38427	0.527	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	12704	0.342	ug/L	96
19) 1,1-Dichloroethane	3.23	63	6637	0.110	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	48396	1.217	ug/L #	86
25) Chloroform	4.43	83	24929	0.317	ug/L	84
27) 1,2-Dichloroethane	5.09	62	1886	0.045	ug/L	96
35) Methylcyclohexane	6.12	83	54643	0.798	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	23544	0.584	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	5362	0.094	ug/L #	79
44) trans-1,3-Dichloropropene	7.66	75	3277	0.076	ug/L	97
48) 2-Hexanone	8.19	43	28518	1.939	ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

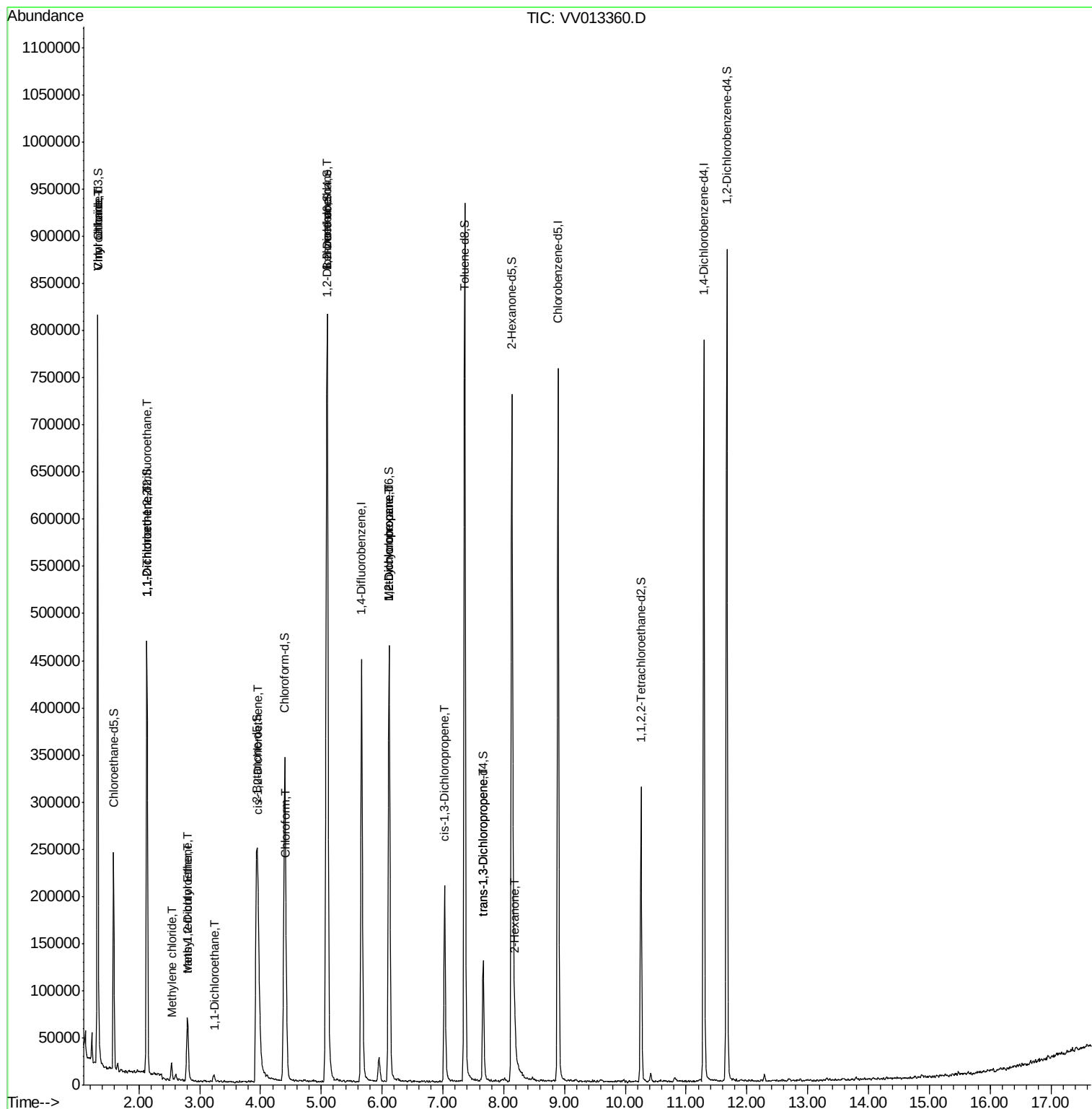
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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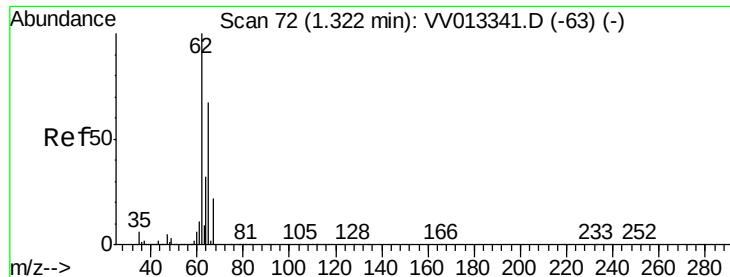
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.759 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Instrument :

MSVOA_V

ClientSampleId :

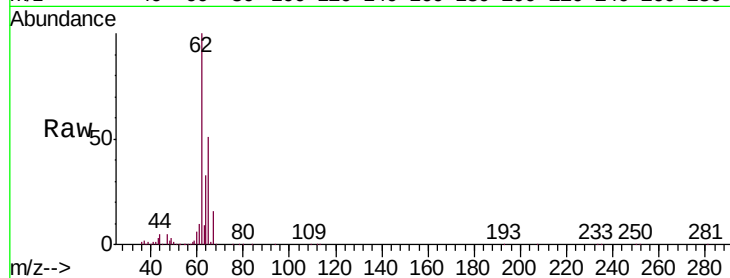
H0G27DL

Tgt Ion: 62 Resp: 338787

Ion Ratio Lower Upper

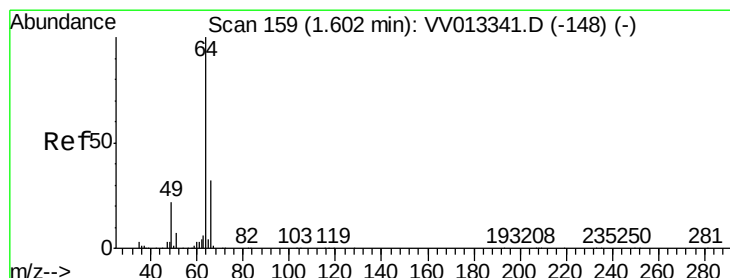
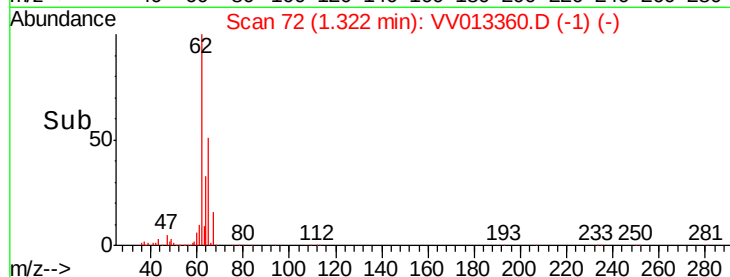
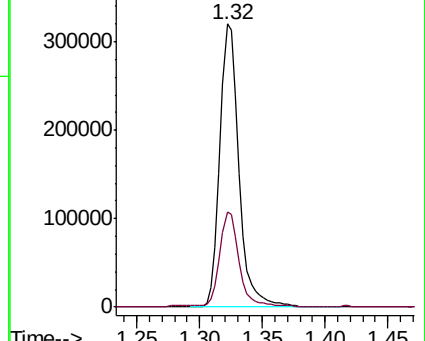
62 100

64 33.5 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: 4.745 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013360.D

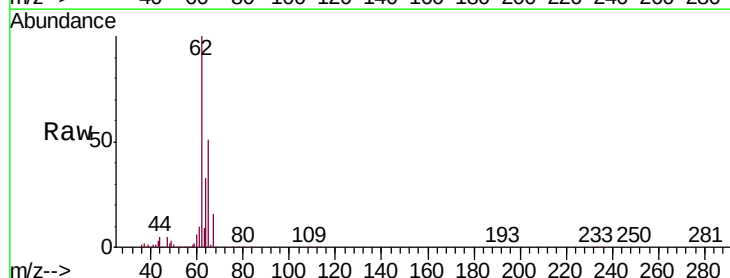
Acq: 25 Oct 2019 21:19

Tgt Ion: 64 Resp: 109366

Ion Ratio Lower Upper

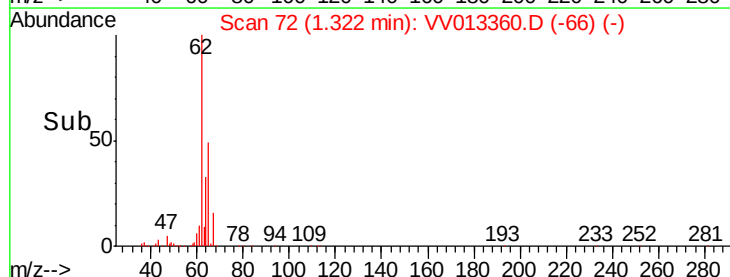
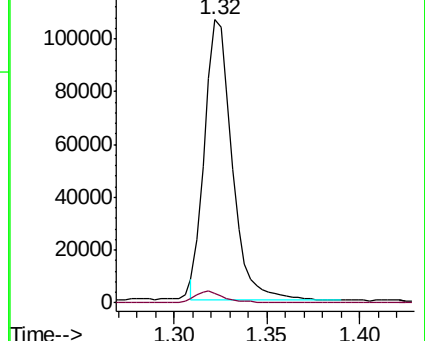
64 100

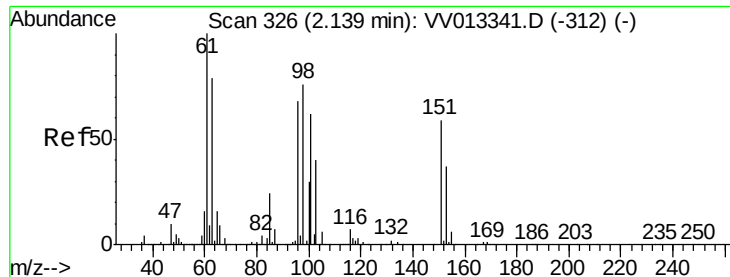
66 3.4 22.7 42.3#



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: 0.082 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Instrument :

MSVOA_V

ClientSampleId :

H0G27DL

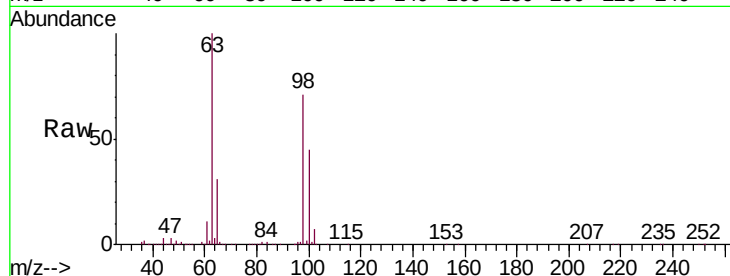
Tgt Ion: 101 Resp: 2708

Ion Ratio Lower Upper

101 100

85 1.8 31.8 47.8#

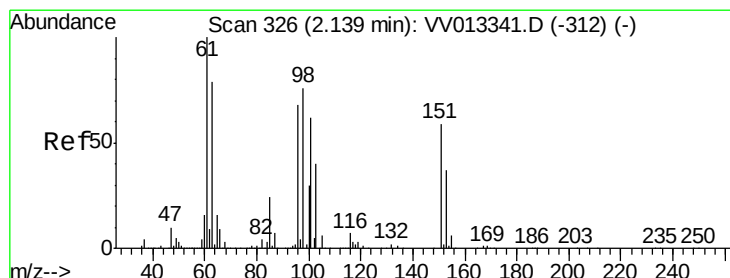
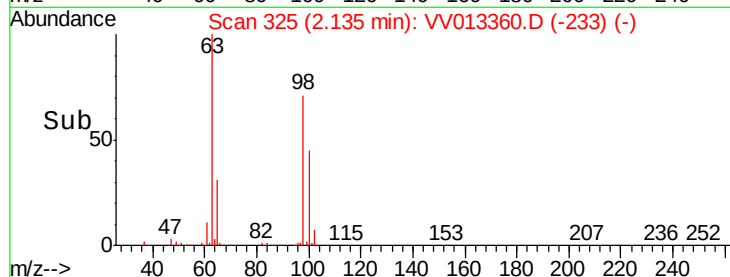
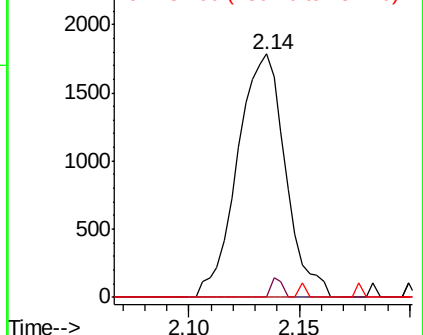
151 0.7 72.9 109.3#



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: 0.076 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

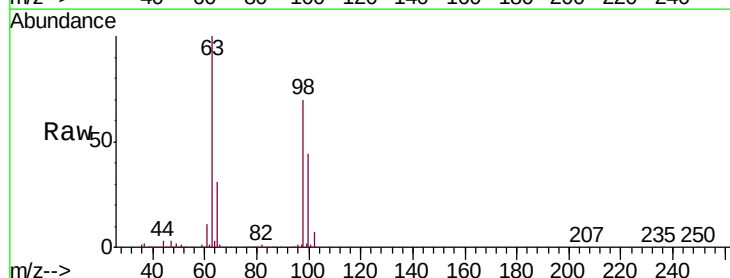
Tgt Ion: 96 Resp: 2389

Ion Ratio Lower Upper

96 100

61 1097.6 104.0 193.1#

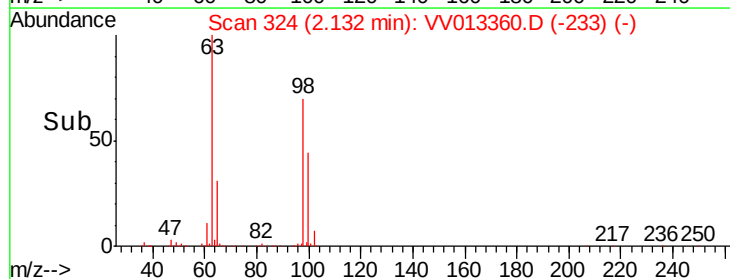
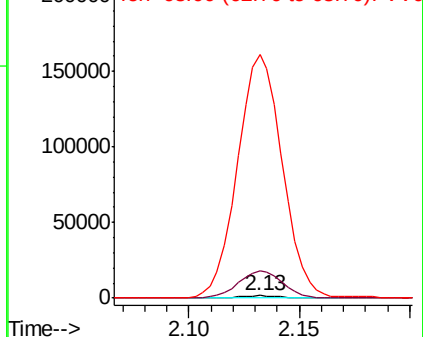
63 9986.9 67.1 124.5#

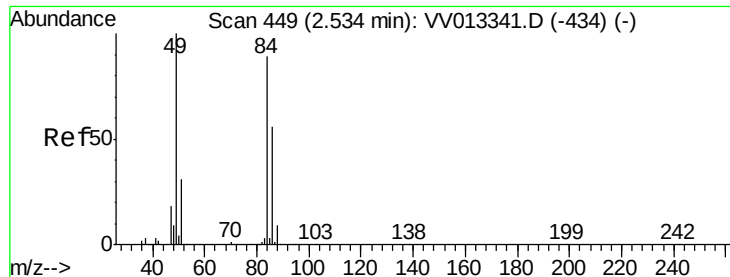


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

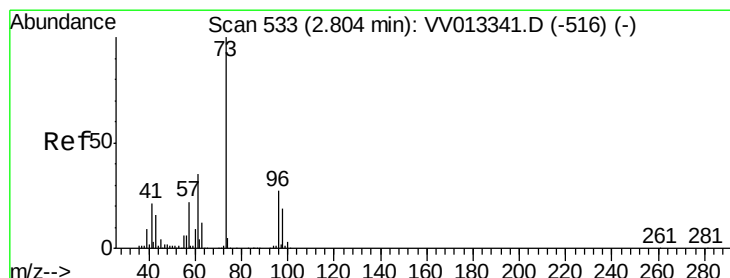
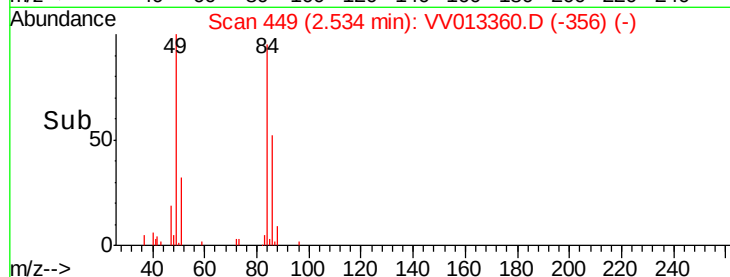
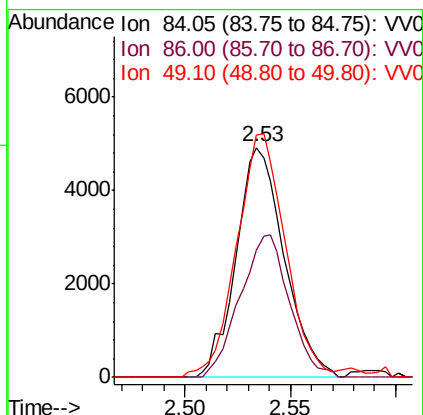
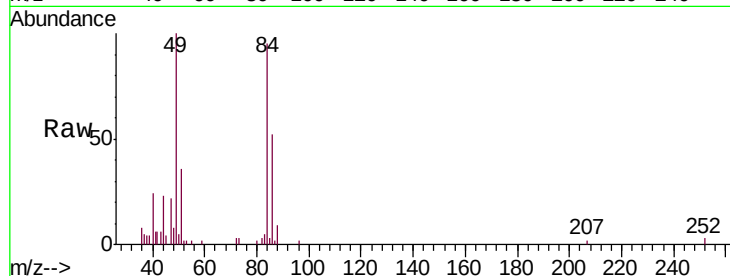




#16
Methylene chloride
Concen: 0.165 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013360.D
Acq: 25 Oct 2019 21:19

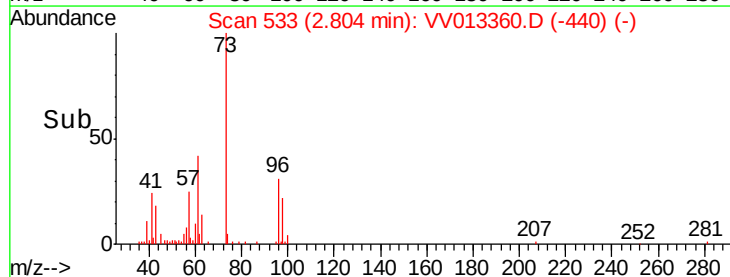
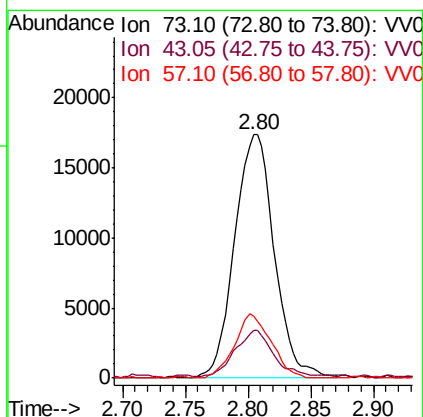
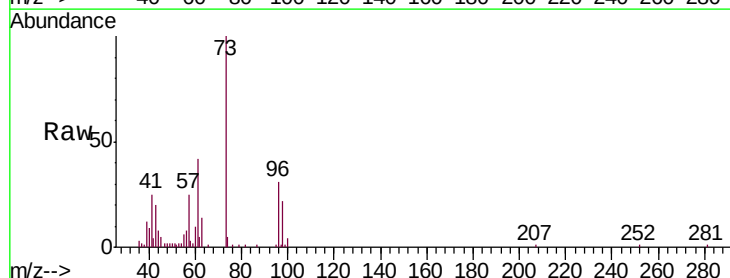
Instrument :
MSVOA_V
ClientSampleId :
H0G27DL

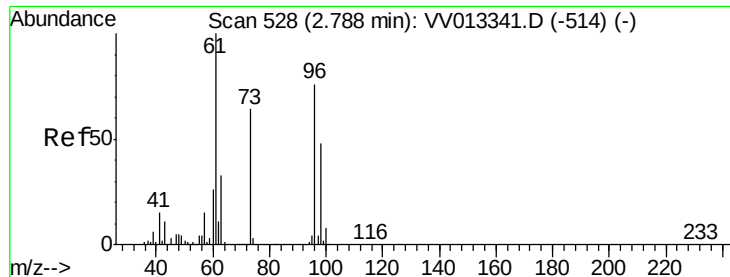
Tgt Ion: 84 Resp: 7792
Ion Ratio Lower Upper
84 100
86 55.3 46.2 85.8
49 105.4 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 0.527 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013360.D
Acq: 25 Oct 2019 21:19

Tgt Ion: 73 Resp: 38427
Ion Ratio Lower Upper
73 100
43 17.8 13.1 19.7
57 24.0 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 0.342 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Instrument :

MSVOA_V

ClientSampleId :

H0G27DL

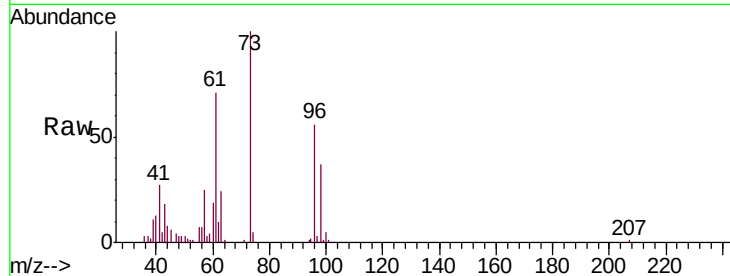
Tgt Ion: 96 Resp: 12704

Ion Ratio Lower Upper

96 100

61 126.4 84.4 156.8

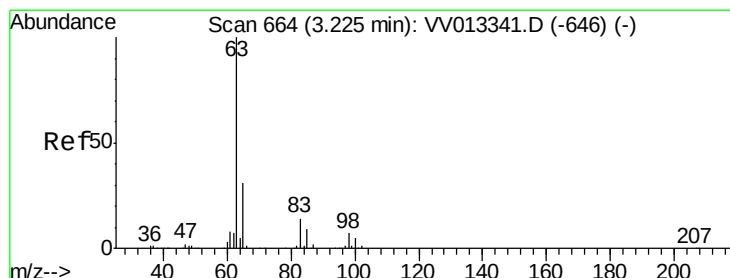
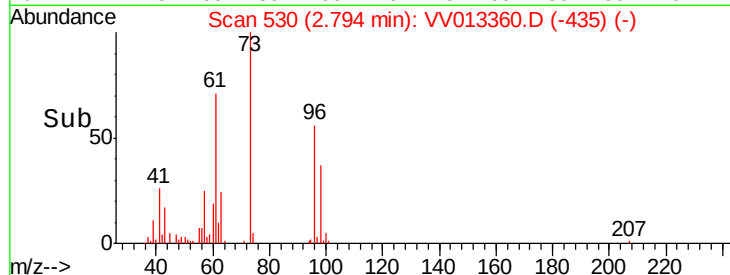
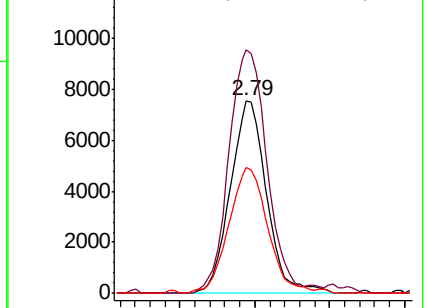
98 65.3 44.4 82.4



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: 0.110 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

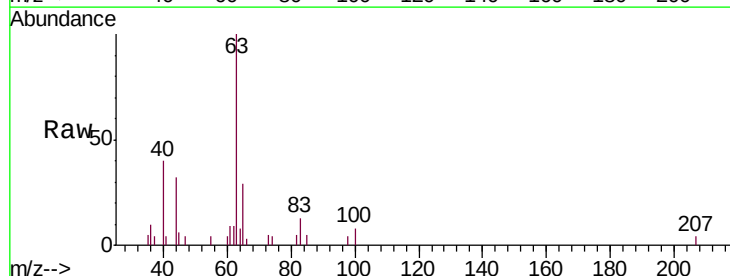
Tgt Ion: 63 Resp: 6637

Ion Ratio Lower Upper

63 100

65 29.3 23.0 42.8

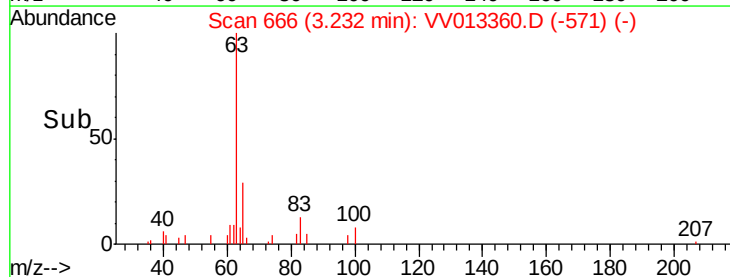
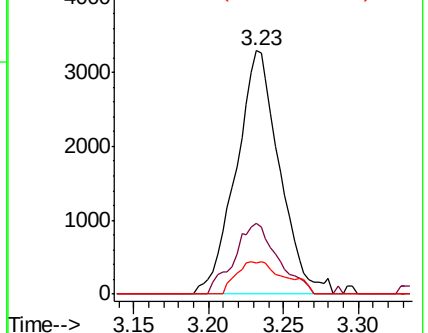
83 12.7 10.2 19.0

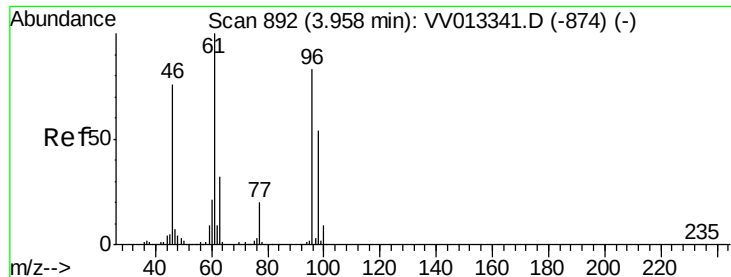


Abundance Ion 63.10 (62.80 to 63.80): VV013341.D (-646) (-)

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: 1.217 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Instrument :

MSVOA_V

ClientSampleId :

H0G27DL

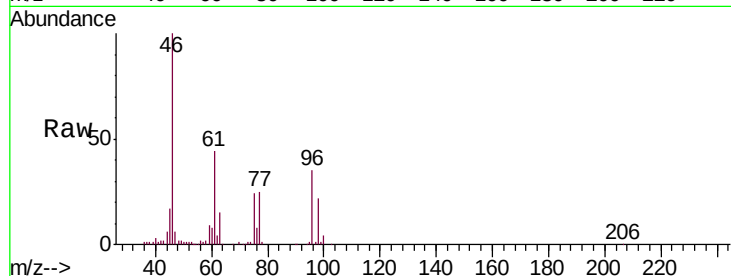
Tgt Ion: 96 Resp: 48396

Ion Ratio Lower Upper

96 100

61 125.3 77.3 143.7

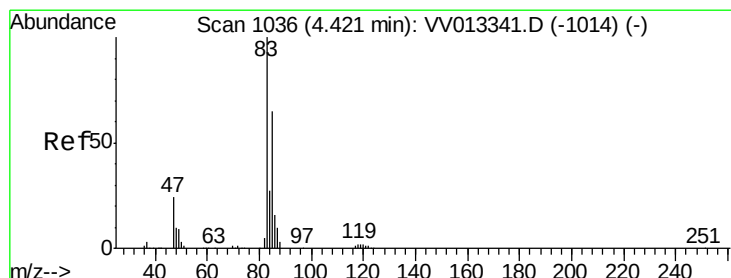
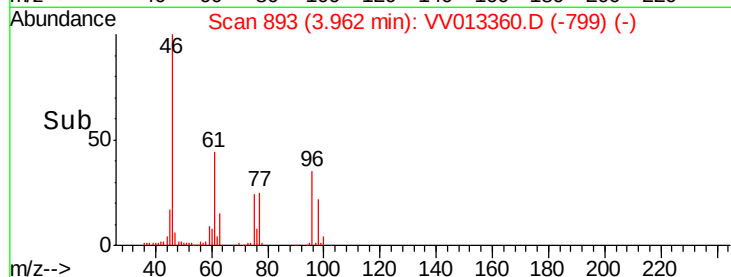
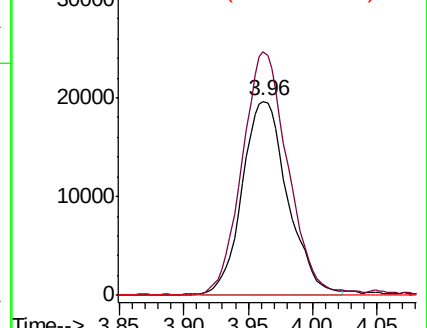
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV013341.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VV013341.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VV013341.D (-874) (-)



#25

Chloroform

Concen: 0.317 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013360.D

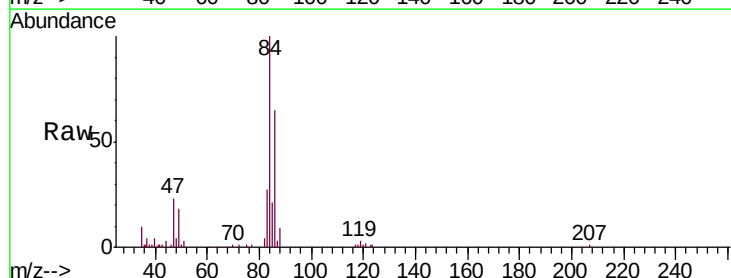
Acq: 25 Oct 2019 21:19

Tgt Ion: 83 Resp: 24929

Ion Ratio Lower Upper

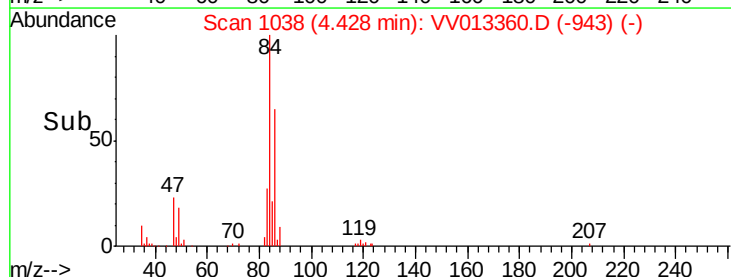
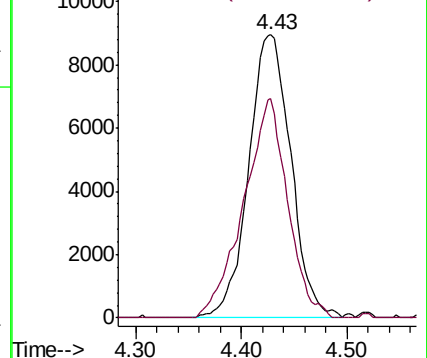
83 100

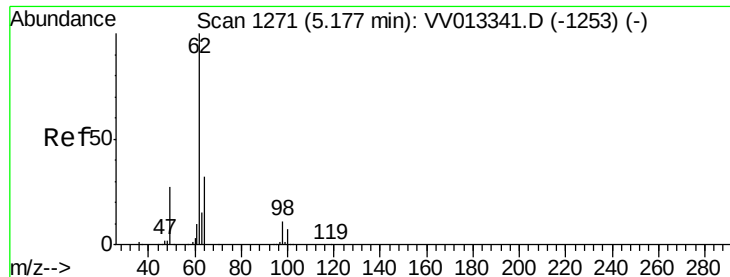
85 77.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013341.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VV013341.D (-1014) (-)

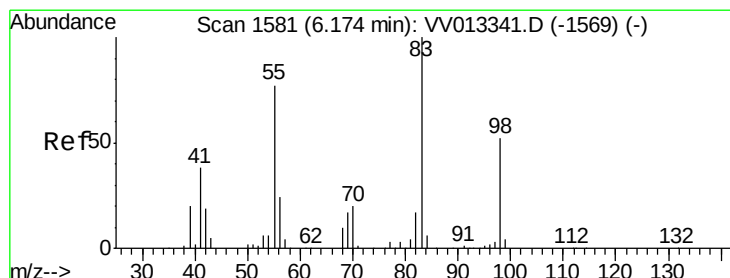
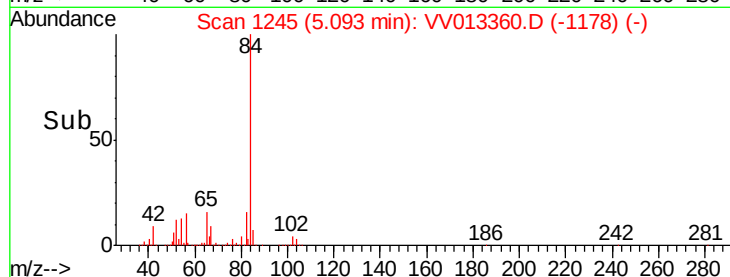
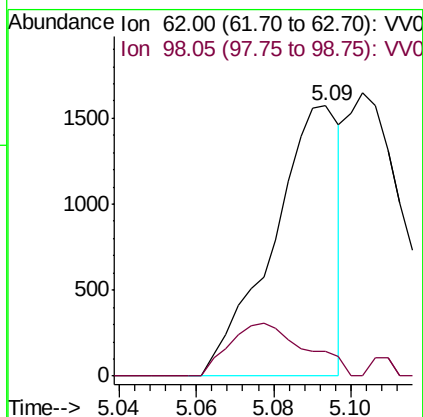
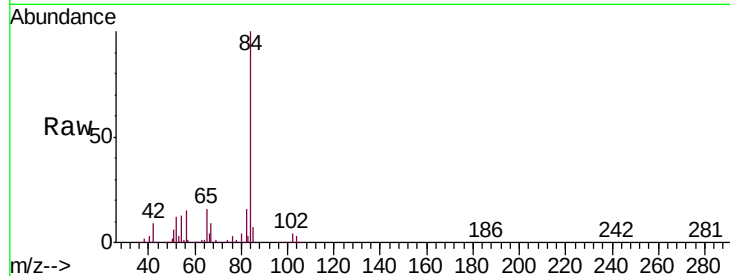




#27
 1,2-Dichloroethane
 Concen: 0.045 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV013360.D
 Acq: 25 Oct 2019 21:19

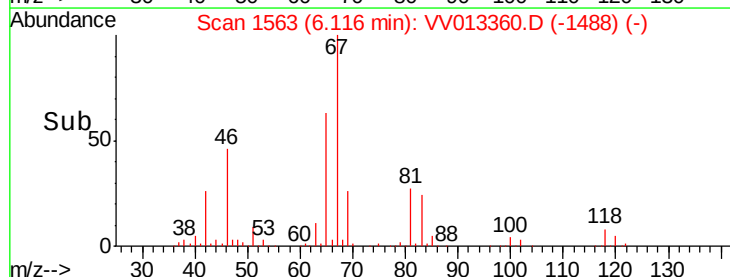
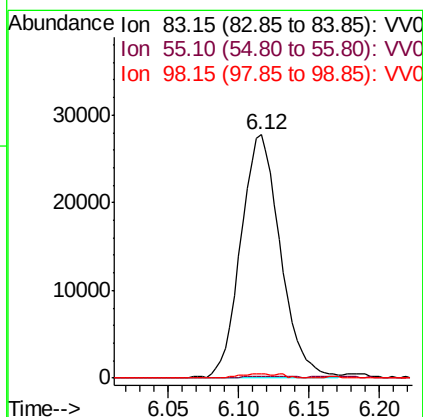
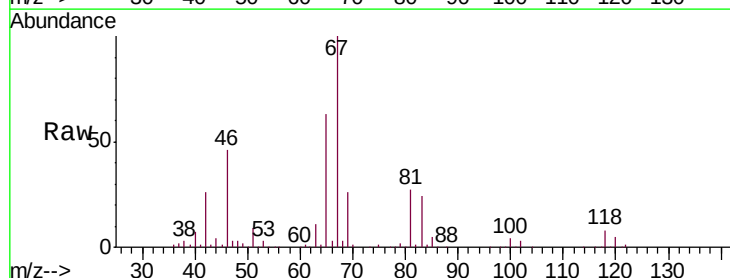
Instrument :
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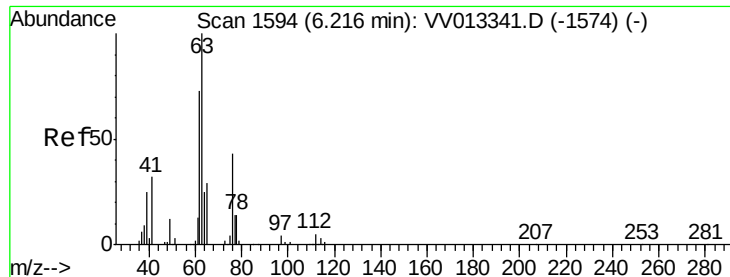
Tgt Ion: 62 Resp: 1886
 Ion Ratio Lower Upper
 62 100
 98 9.0 8.3 12.5



#35
 Methylcyclohexane
 Concen: 0.798 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV013360.D
 Acq: 25 Oct 2019 21:19

Tgt Ion: 83 Resp: 54643
 Ion Ratio Lower Upper
 83 100
 55 0.5 62.4 93.6#
 98 1.3 39.2 58.8#

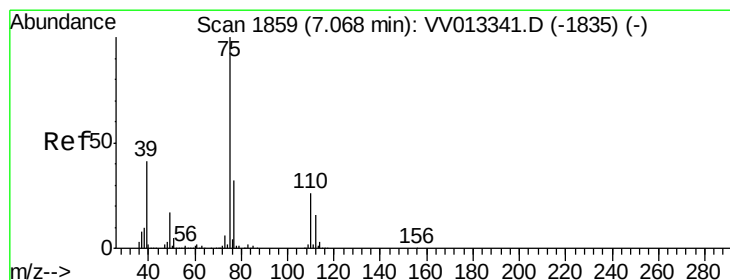
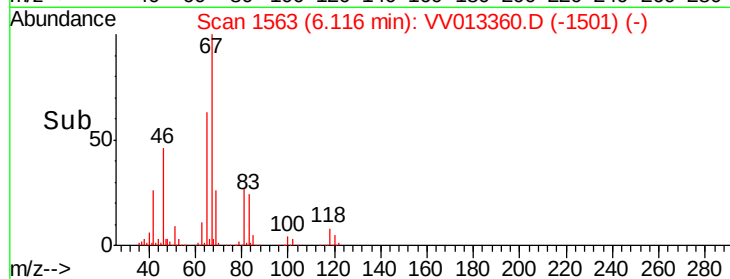
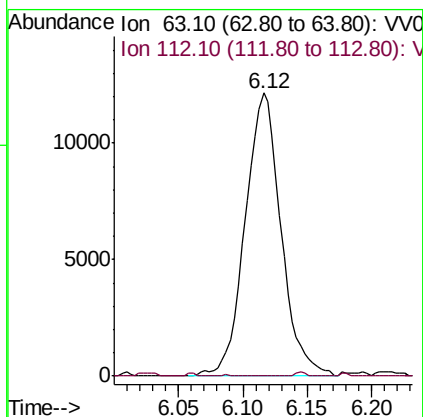
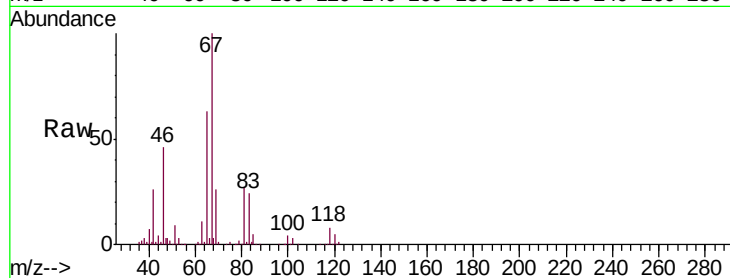




#37
 1,2-Dichloropropane
 Concen: 0.584 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013360.D
 Acq: 25 Oct 2019 21:19

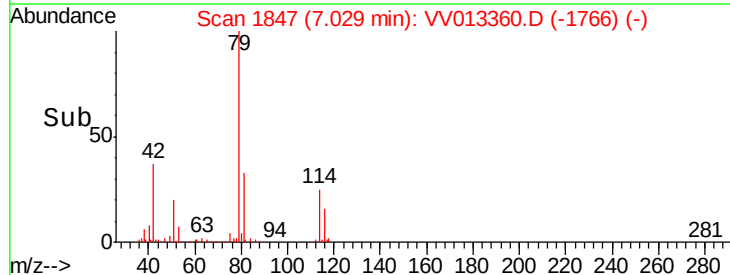
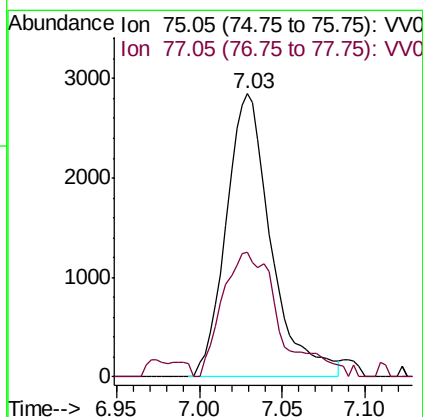
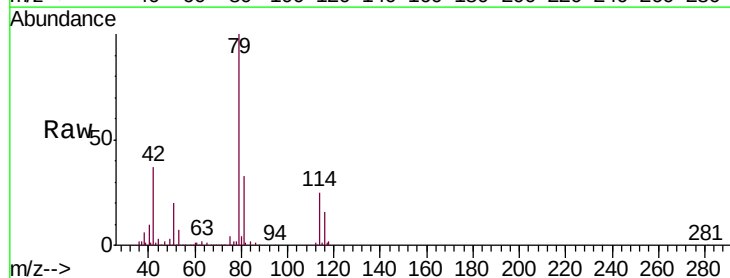
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G27DL

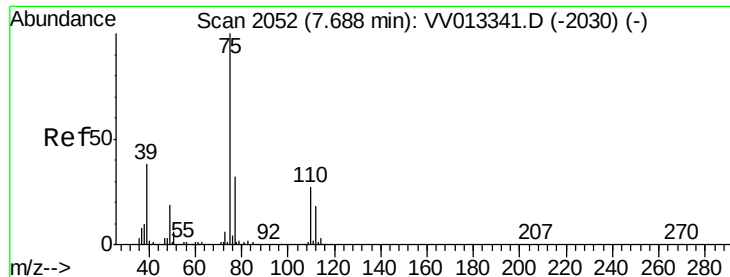
Tgt Ion: 63 Resp: 23544
 Ion Ratio Lower Upper
 63 100
 112 0.1 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV013360.D
 Acq: 25 Oct 2019 21:19

Tgt Ion: 75 Resp: 5362
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.6 42.0#





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Instrument :

MSVOA_V

ClientSampleId :

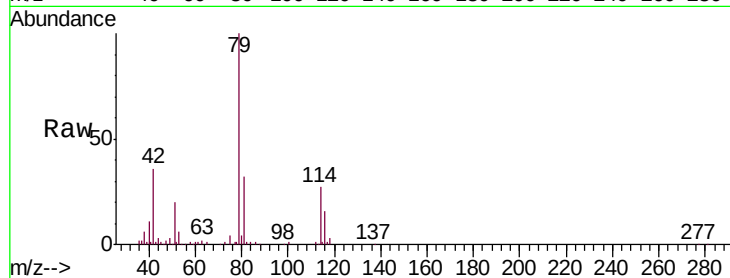
H0G27DL

Tgt Ion: 75 Resp: 3277

Ion Ratio Lower Upper

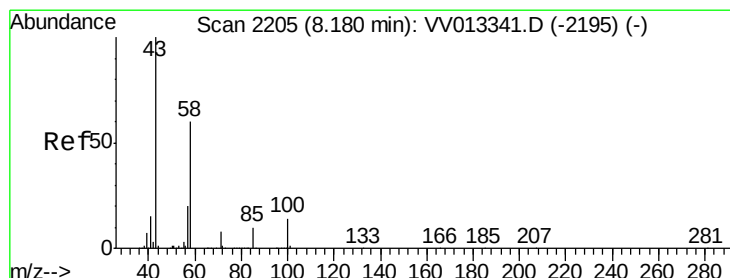
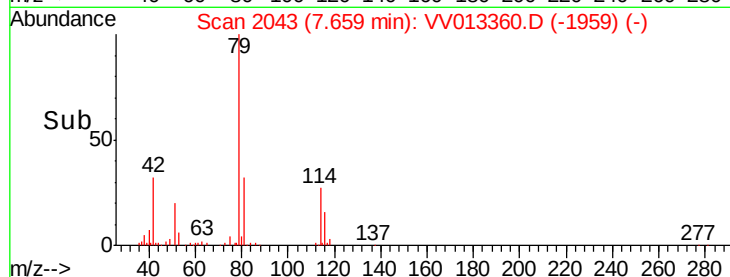
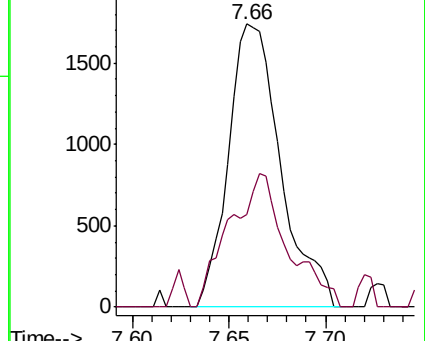
75 100

77 32.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV013341.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV013341.D (-2030) (-)



#48

2-Hexanone

Concen: 1.939 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013360.D

Acq: 25 Oct 2019 21:19

Tgt Ion: 43 Resp: 28518

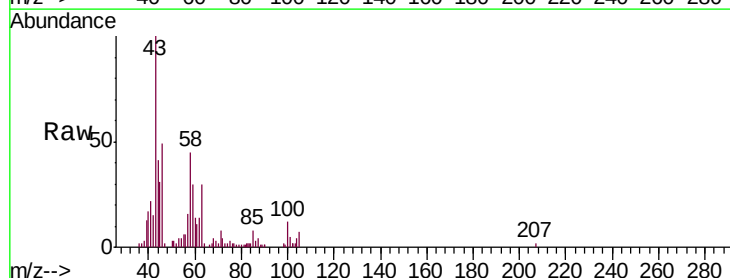
Ion Ratio Lower Upper

43 100

58 40.9 45.1 67.7#

57 11.3 15.5 23.3#

100 10.2 10.2 15.2#



Abundance Ion 43.05 (42.75 to 43.75): VV013341.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013341.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013341.D (-2195) (-)

Ion 100.15 (99.85 to 100.85): VV013341.D (-2195) (-)

