

Data File : VV013355.D
Acq On : 25 Oct 2019 19:19
Operator : SY/MD
Sample : K5462-14DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G11DL

Quant Time: Oct 26 01:02:51 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	411429	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	439632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	245453	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	184059	6.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.40%
7) Chloroethane-d5	1.58	69	129985	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.12	63	221737	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	3.95	46	397027	68.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.32%#
24) Chloroform-d	4.40	84	351223	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	173645	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.09	84	790714	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.11	67	229403	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.36	98	676473	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.66	79	77157	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.14	63	253799	43.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146095	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	278092	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	34305	0.864 ug/L	97
6) Bromomethane	1.54	94	1878	0.084 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2923	0.086 ug/L #	27
12) 1,1-Dichloroethene	2.12	96	3028	0.094 ug/L #	1
16) Methylene chloride	2.53	84	12392	0.255 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	79773	1.065 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	29946	0.785 ug/L	95
19) 1,1-Dichloroethane	3.23	63	4698	0.076 ug/L #	88
22) cis-1,2-Dichloroethene	3.96	96	521972	12.789 ug/L #	93
25) Chloroform	4.42	83	31059	0.384 ug/L	98
27) 1,2-Dichloroethane	5.10	62	4561	0.106 ug/L	95
34) Trichloroethene	5.96	95	24087	0.535 ug/L	94
35) Methylcyclohexane	6.12	83	56619	0.817 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	23725	0.582 ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	3548	0.082 ug/L #	78
48) 2-Hexanone	8.20	43	22904	1.539 ug/L #	92

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

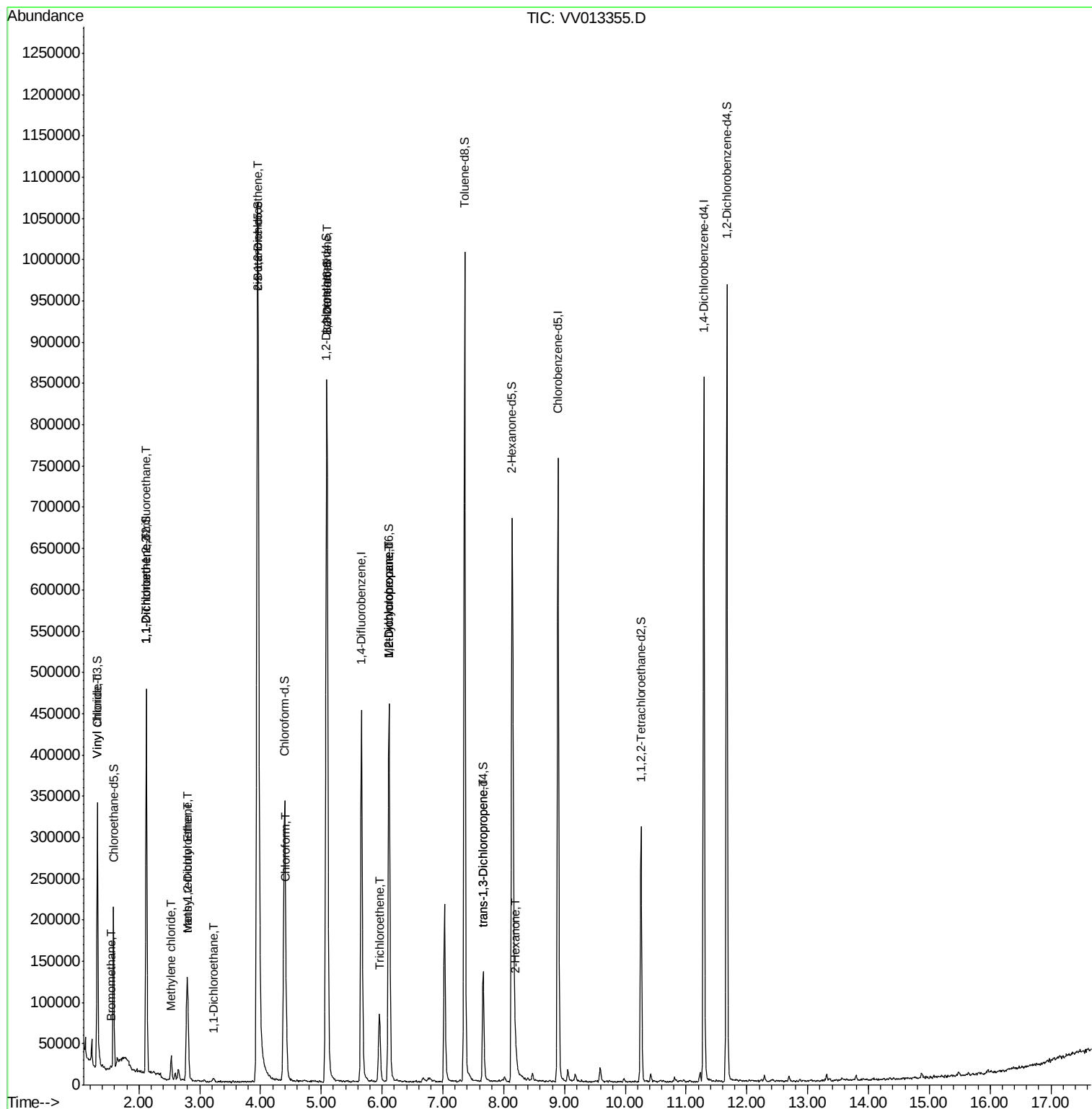
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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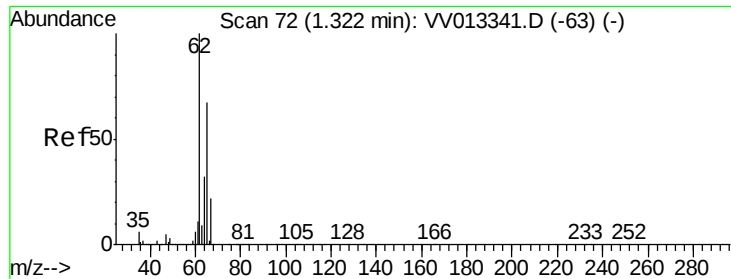
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.864 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

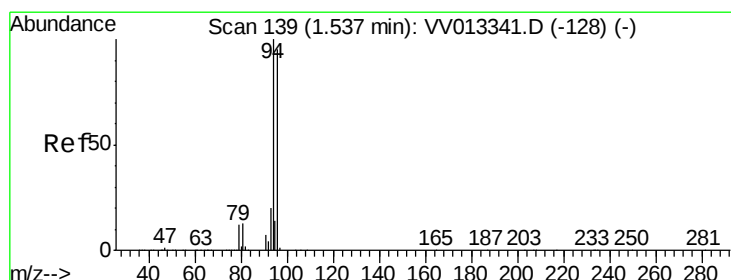
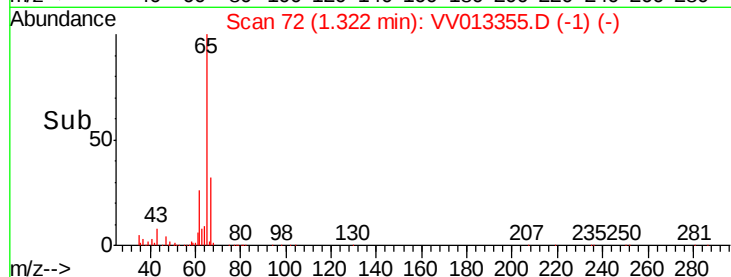
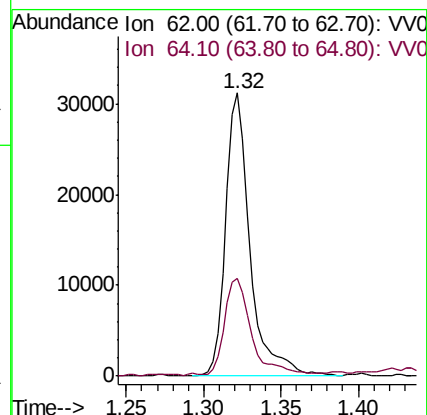
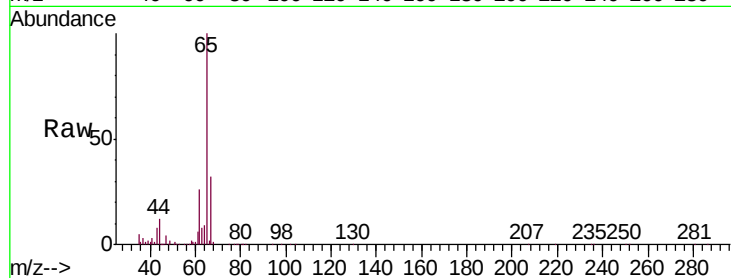
H0G11DL

Tgt Ion: 62 Resp: 34305

Ion Ratio Lower Upper

62 100

64 34.5 22.9 42.5



#6

Bromomethane

Concen: 0.084 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013355.D

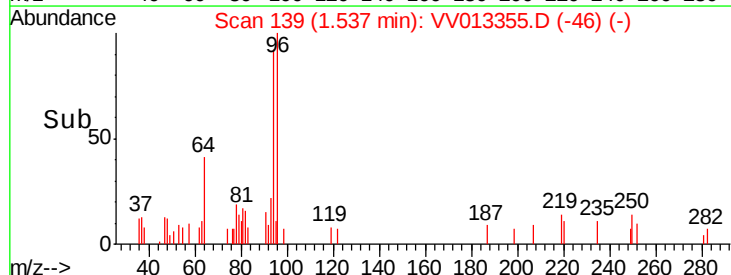
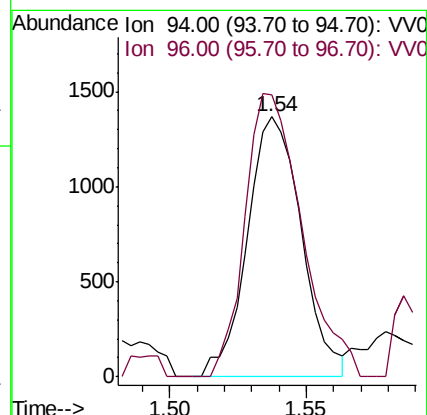
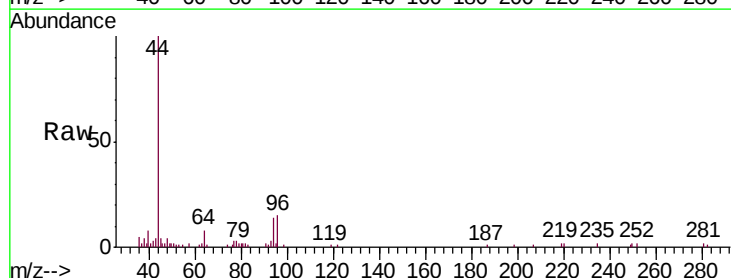
Acq: 25 Oct 2019 19:19

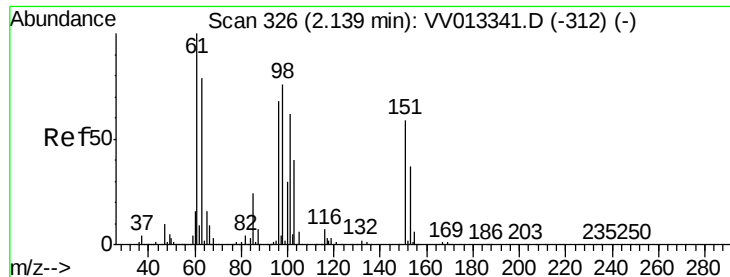
Tgt Ion: 94 Resp: 1878

Ion Ratio Lower Upper

94 100

96 108.8 66.2 123.0





#10

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

Concen: 0.086 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampled :

H0G11DL

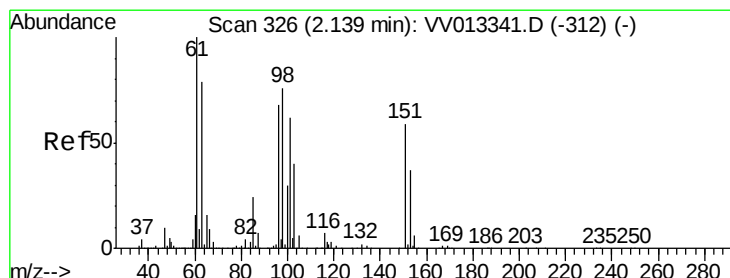
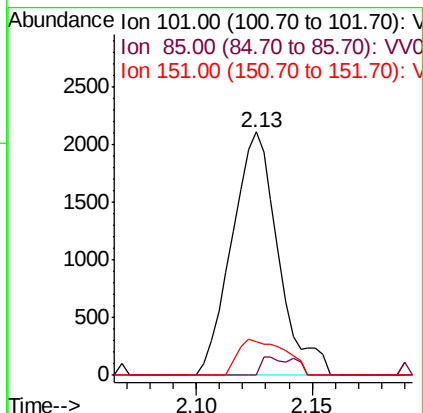
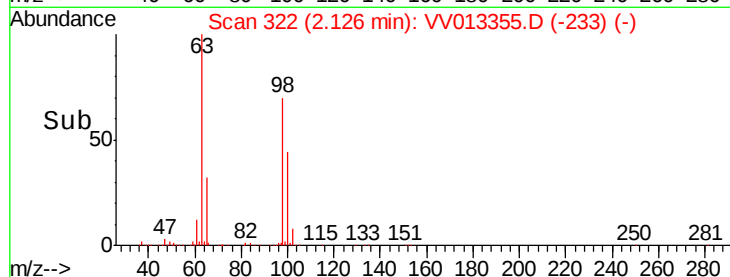
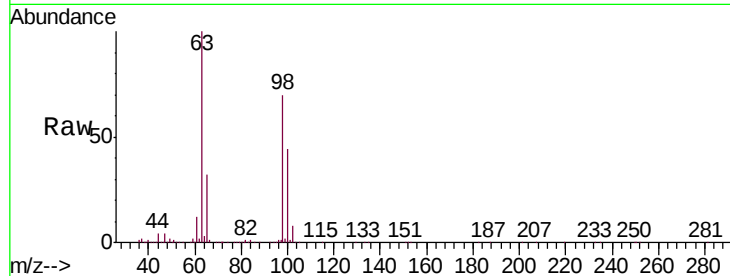
Tgt Ion: 101 Resp: 2923

Ion Ratio Lower Upper

101 100

85 5.4 31.8 47.8#

151 15.2 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

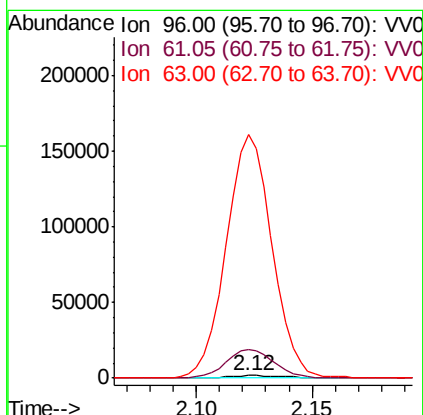
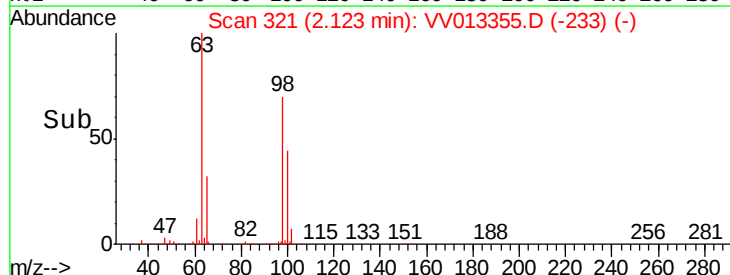
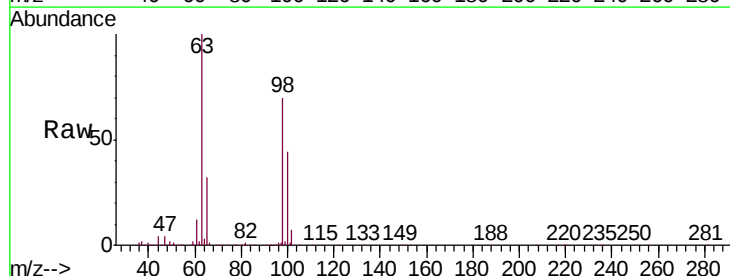
Tgt Ion: 96 Resp: 3028

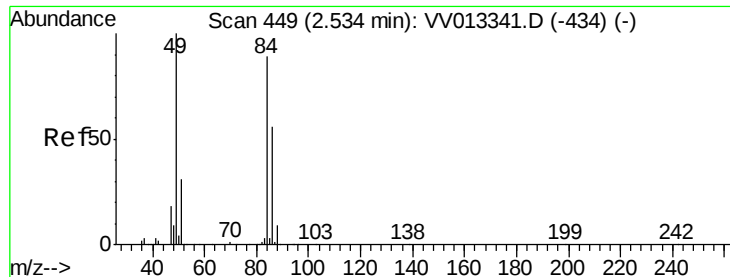
Ion Ratio Lower Upper

96 100

61 1157.7 104.0 193.1#

63 9790.8 67.1 124.5#

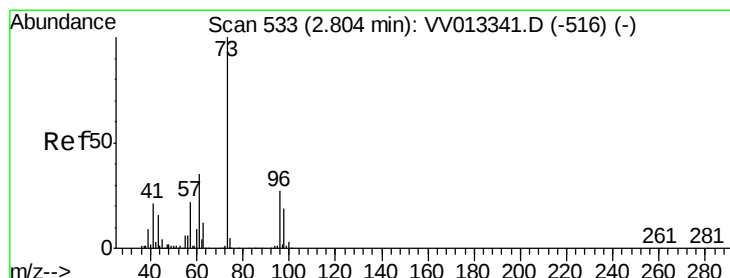
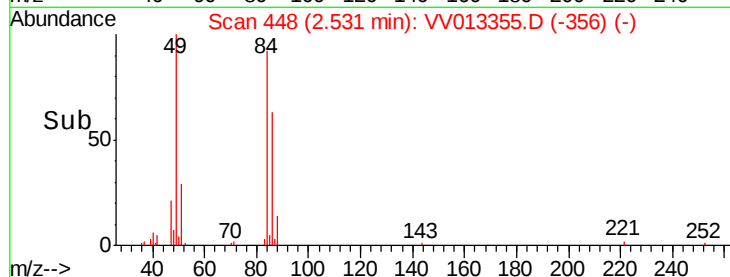
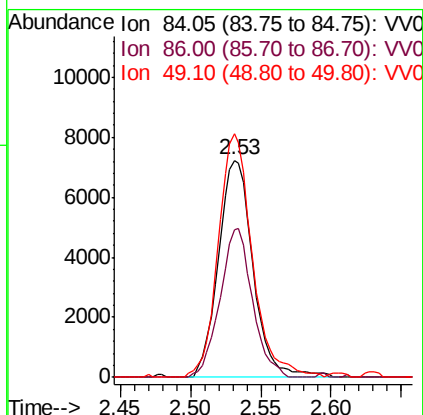
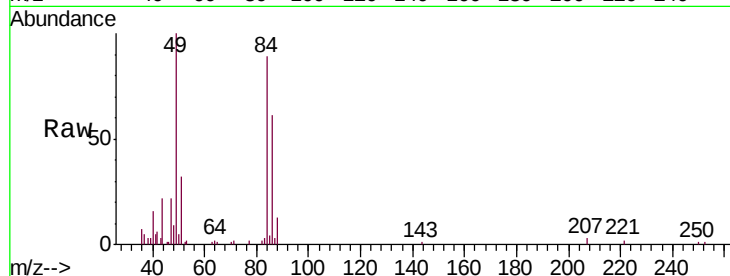




#16
Methylene chloride
Concen: 0.255 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013355.D
Acq: 25 Oct 2019 19:19

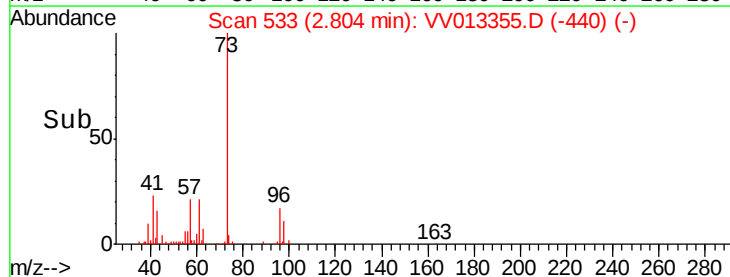
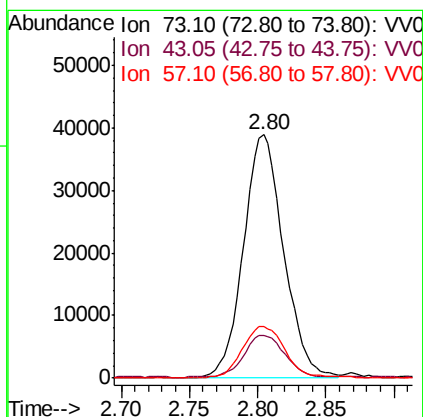
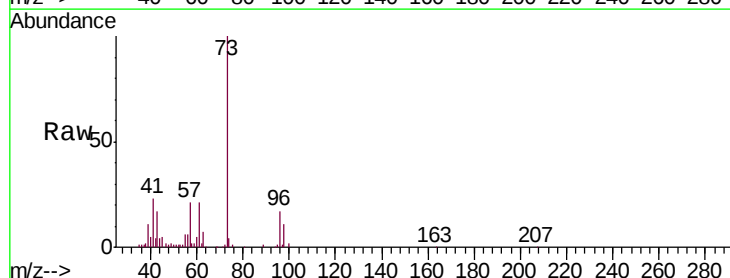
Instrument :
MSVOA_V
ClientSampled :
H0G11DL

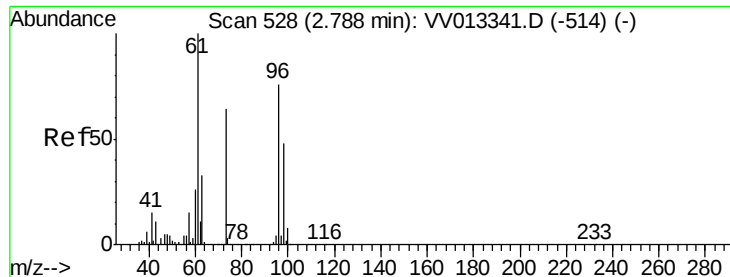
Tgt Ion: 84 Resp: 12392
Ion Ratio Lower Upper
84 100
86 68.1 46.2 85.8
49 112.1 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 1.065 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013355.D
Acq: 25 Oct 2019 19:19

Tgt Ion: 73 Resp: 79773
Ion Ratio Lower Upper
73 100
43 17.3 13.1 19.7
57 22.3 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 0.785 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

H0G11DL

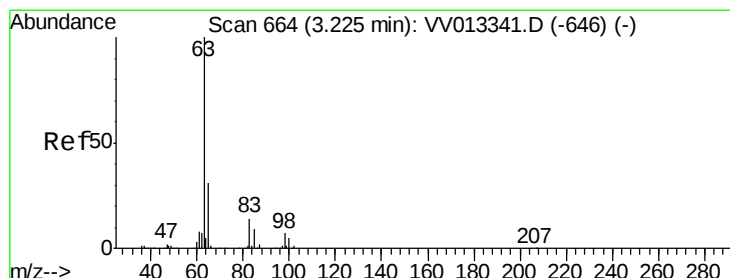
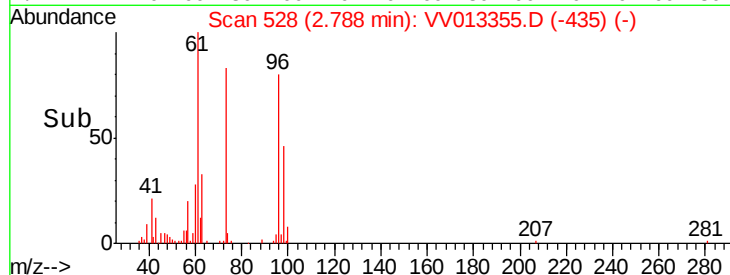
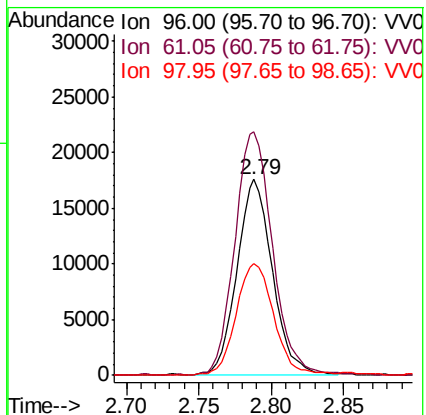
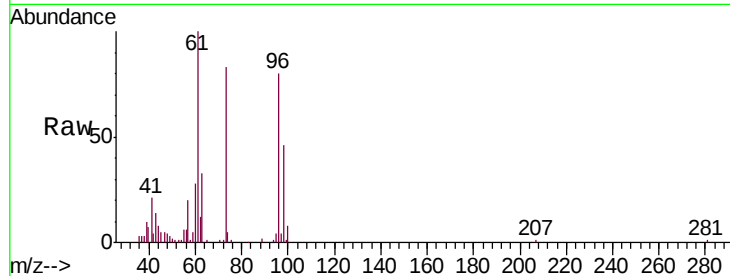
Tgt Ion: 96 Resp: 29946

Ion Ratio Lower Upper

96 100

61 124.2 84.4 156.8

98 57.2 44.4 82.4



#19

1,1-Dichloroethane

Concen: 0.076 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

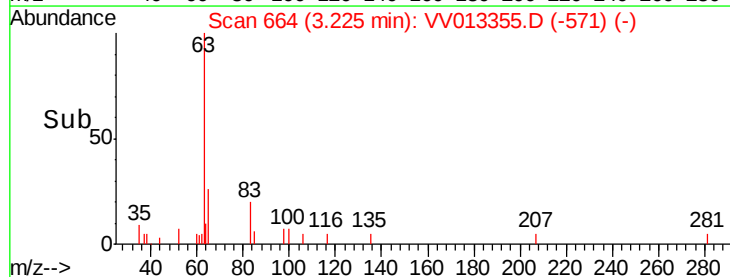
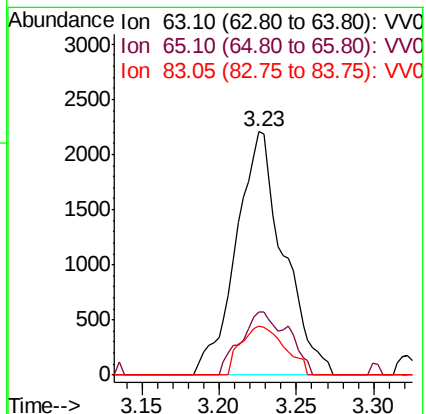
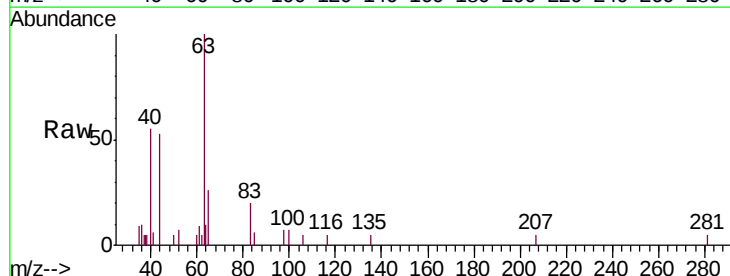
Tgt Ion: 63 Resp: 4698

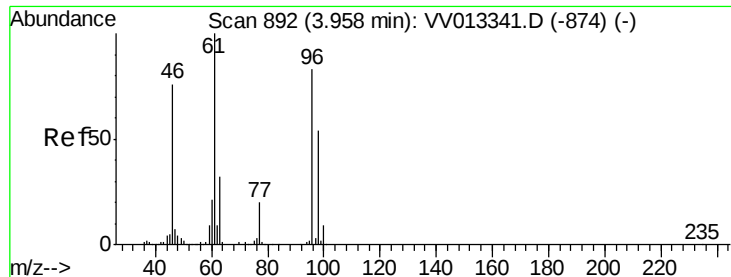
Ion Ratio Lower Upper

63 100

65 26.2 23.0 42.8

83 20.0 10.2 19.0#



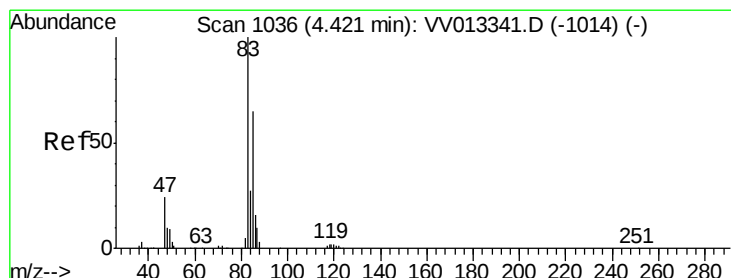
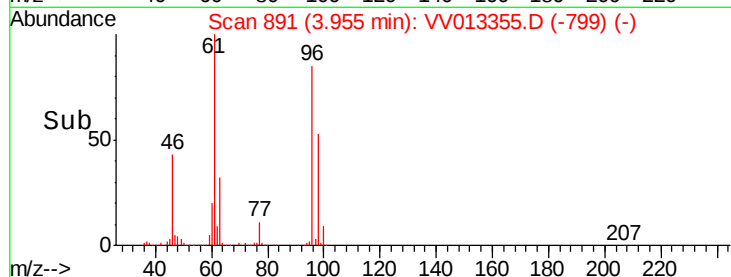
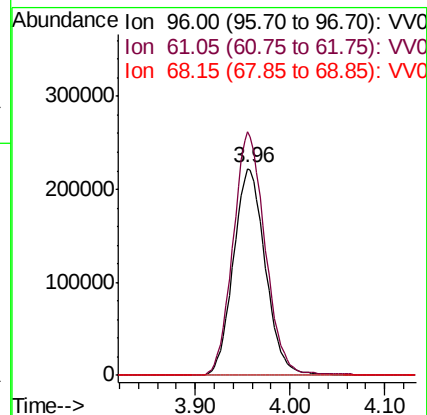
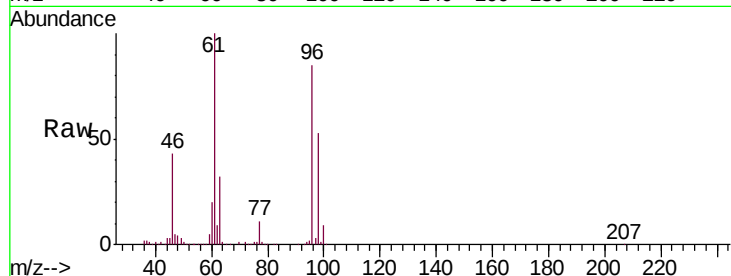


#22

cis-1,2-Dichloroethene
Concen: 12.789 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013355.D
Acq: 25 Oct 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
H0G11DL

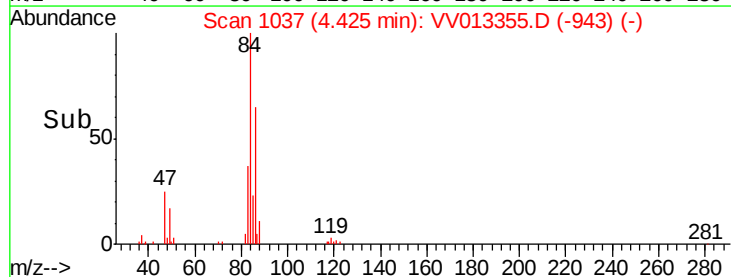
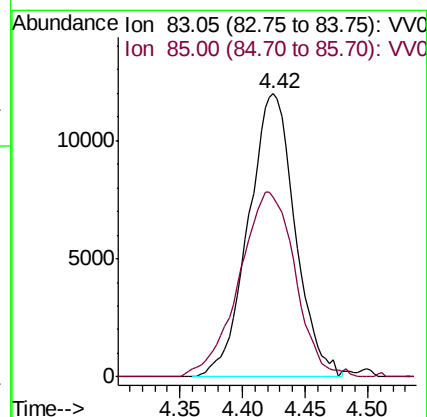
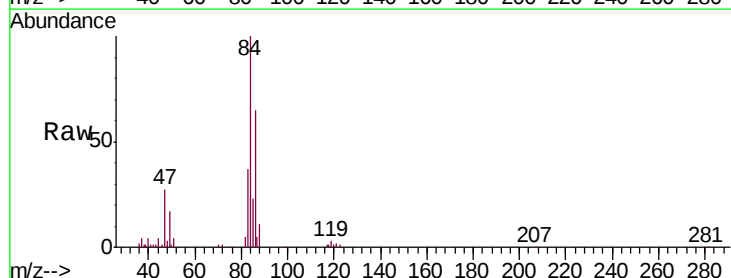
Tgt Ion: 96 Resp: 521972
Ion Ratio Lower Upper
96 100
61 117.9 77.3 143.7
68 0.0 0.1 0.1#

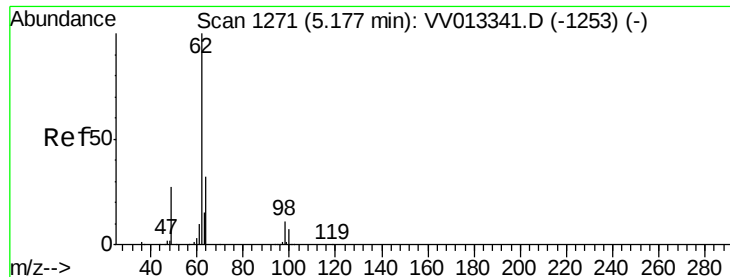


#25

Chloroform
Concen: 0.384 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013355.D
Acq: 25 Oct 2019 19:19

Tgt Ion: 83 Resp: 31059
Ion Ratio Lower Upper
83 100
85 63.4 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

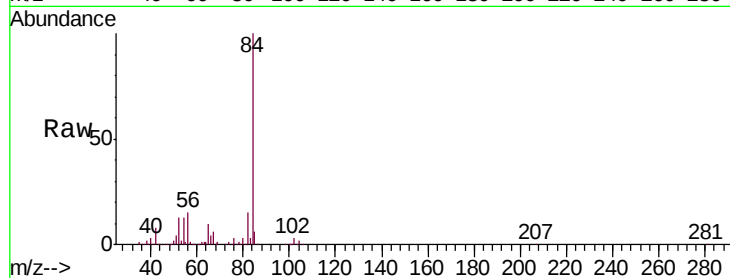
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Tgt Ion: 62 Resp: 4561

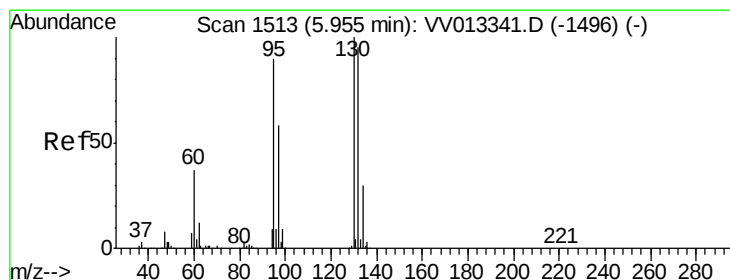
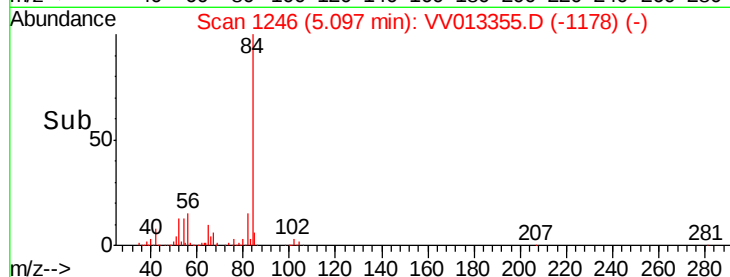
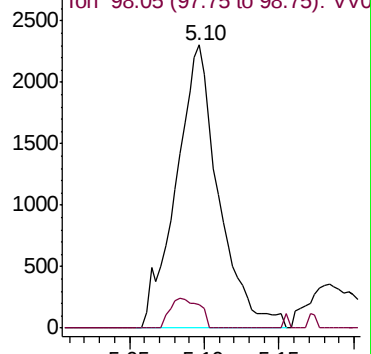
Ion Ratio Lower Upper

62 100

98 8.4 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV013341.D (-1253) (-)



#34

Trichloroethene

Concen: 0.535 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Tgt Ion: 95 Resp: 24087

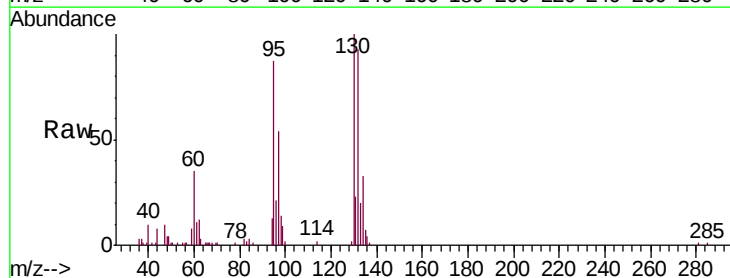
Ion Ratio Lower Upper

95 100

97 62.8 45.2 84.0

132 107.8 70.6 131.2

130 115.4 75.5 140.3

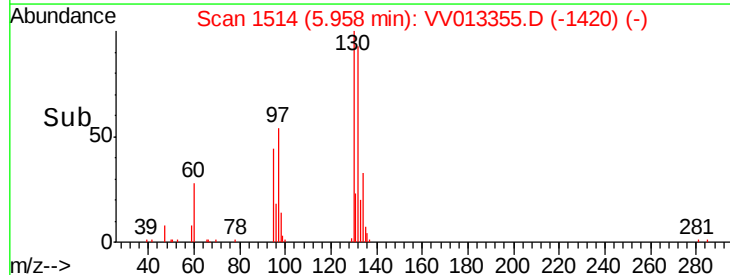
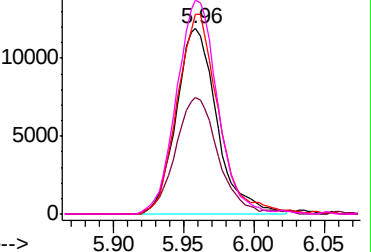


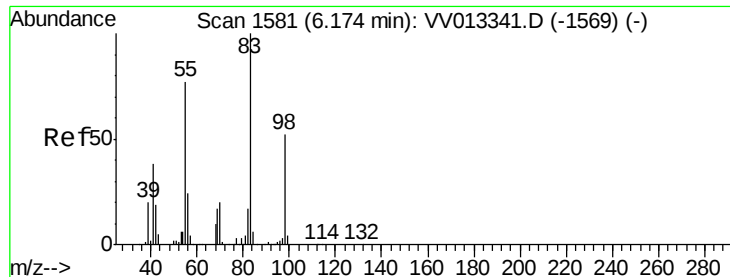
Abundance Ion 95.00 (94.70 to 95.70): VV013341.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV013341.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV013341.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV013341.D (-1496) (-)





#35

Methylcyclohexane

Concen: 0.817 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

H0G11DL

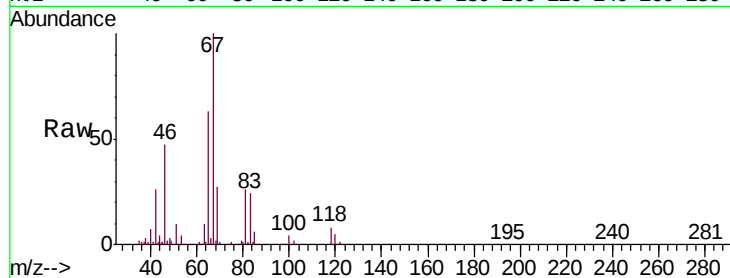
Tgt Ion: 83 Resp: 56619

Ion Ratio Lower Upper

83 100

55 0.6 62.4 93.6#

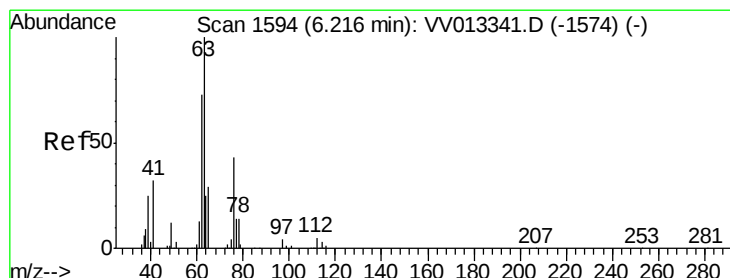
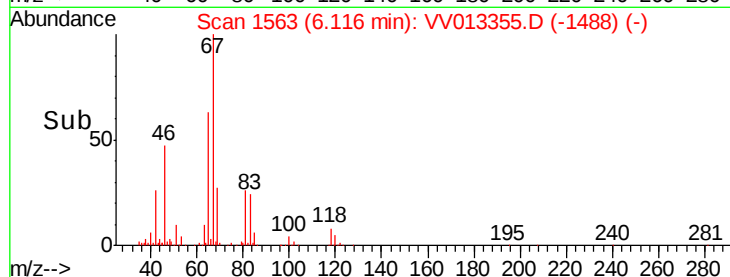
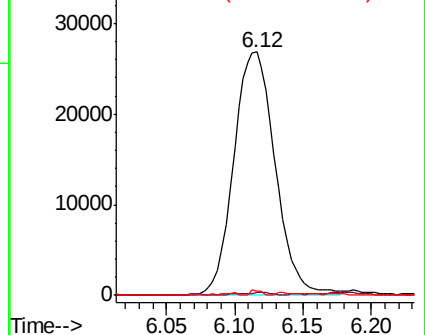
98 0.5 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.582 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013355.D

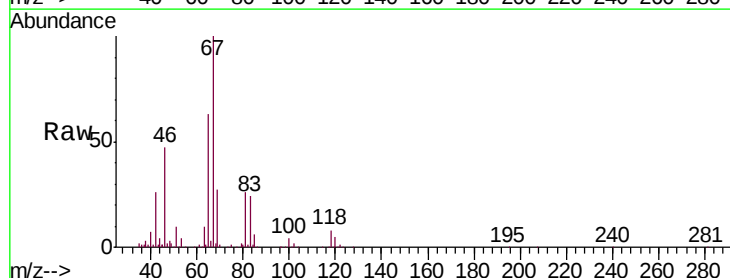
Acq: 25 Oct 2019 19:19

Tgt Ion: 63 Resp: 23725

Ion Ratio Lower Upper

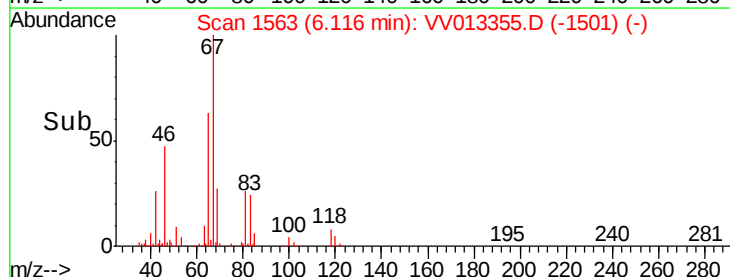
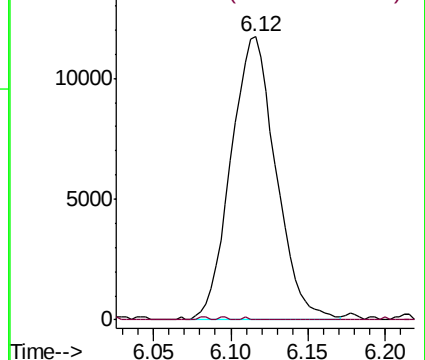
63 100

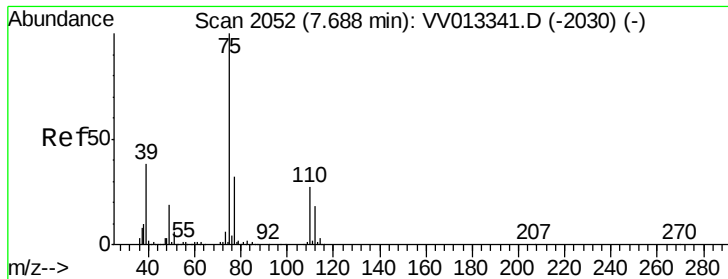
112 0.1 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

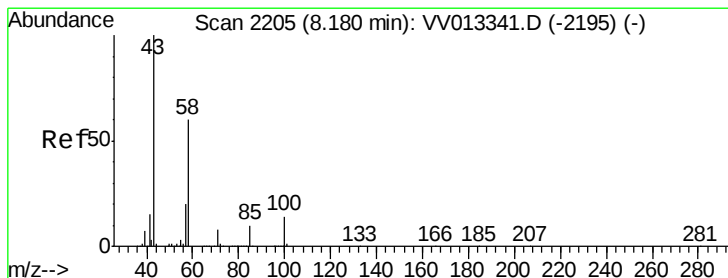
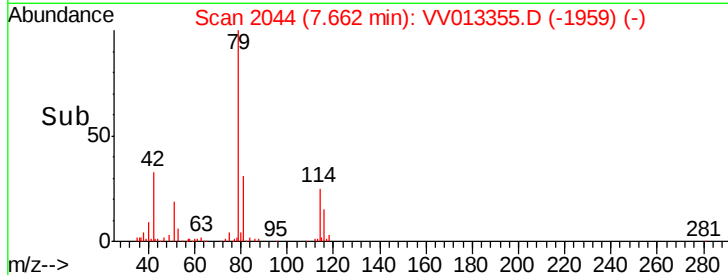
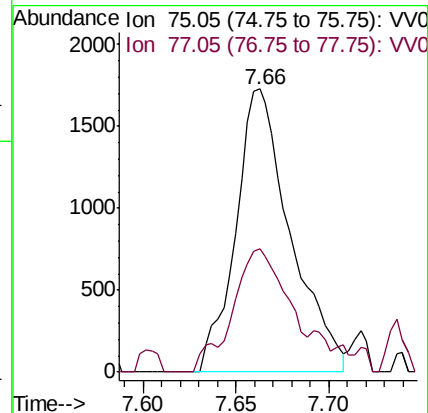
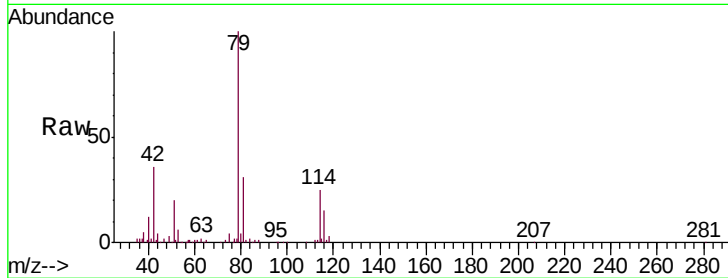
H0G11DL

Tgt Ion: 75 Resp: 3548

Ion Ratio Lower Upper

75 100

77 43.4 21.8 40.6#



#48

2-Hexanone

Concen: 1.539 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.02 min

Lab File: VV013355.D

Acq: 25 Oct 2019 19:19

Tgt Ion: 43 Resp: 22904

Ion Ratio Lower Upper

43 100

58 52.0 45.1 67.7

57 14.2 15.5 23.3#

100 8.9 10.2 15.2#

