

Data File : VV013356.D
Acq On : 25 Oct 2019 19:43
Operator : SY/MD
Sample : K5462-17DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G15DL

Quant Time: Oct 26 01:03:02 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	391307	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	431305	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	226634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	177454	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.58	69	143709	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.80%
11) 1,1-Dichloroethene-d2	2.13	63	209383	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	3.96	46	376258	67.91	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.82%#
24) Chloroform-d	4.40	84	352348	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	171192	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.10	84	770218	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.12	67	224087	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.36	98	655430	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.66	79	75335	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.14	63	241647	42.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	140476	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	255411	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	28056	0.743	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2802	0.087	ug/L #	16
12) 1,1-Dichloroethene	2.13	96	2804	0.091	ug/L #	1
16) Methylene chloride	2.53	84	7541	0.163	ug/L	92
17) Methyl tert-butyl Ether	2.81	73	692777	9.723	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	14989	0.413	ug/L	96
19) 1,1-Dichloroethane	3.23	63	11818	0.200	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	130955	3.373	ug/L #	92
25) Chloroform	4.43	83	20167	0.262	ug/L	92
34) Trichloroethene	5.96	95	97293	2.202	ug/L	98
35) Methylcyclohexane	6.11	83	55304	0.813	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	23152	0.579	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	5180	0.092	ug/L #	63
44) trans-1,3-Dichloropropene	7.66	75	3526	0.083	ug/L #	77
47) Tetrachloroethene	8.02	164	3773	0.094	ug/L	92
48) 2-Hexanone	8.18	43	25147	1.723	ug/L #	84

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

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

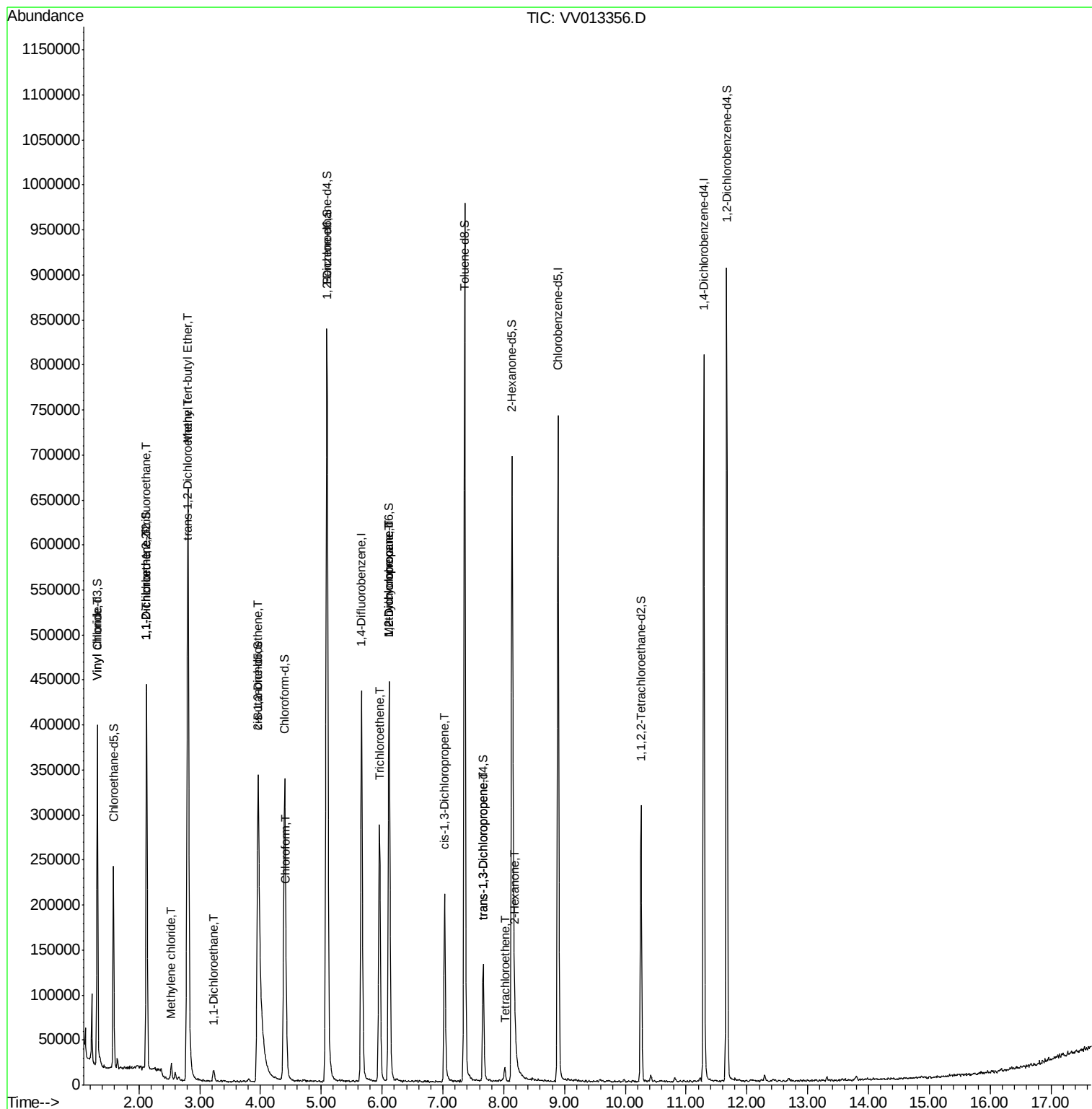
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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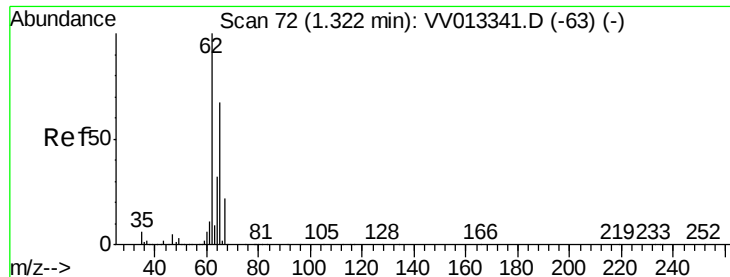
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.743 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

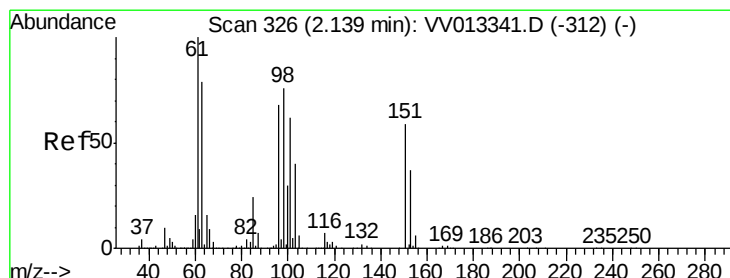
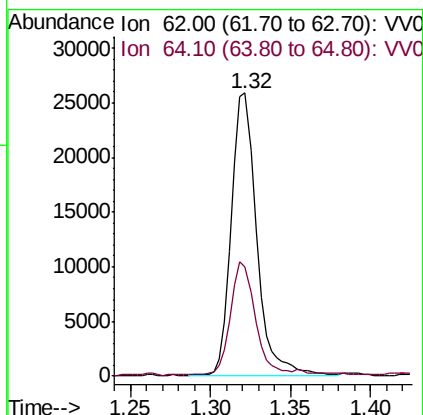
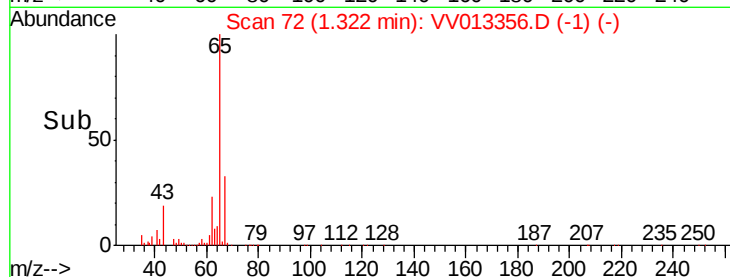
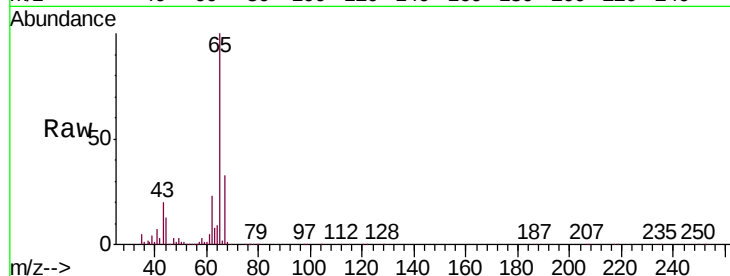
H0G15DL

Tgt Ion: 62 Resp: 28056

Ion Ratio Lower Upper

62 100

64 38.8 22.9 42.5



#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

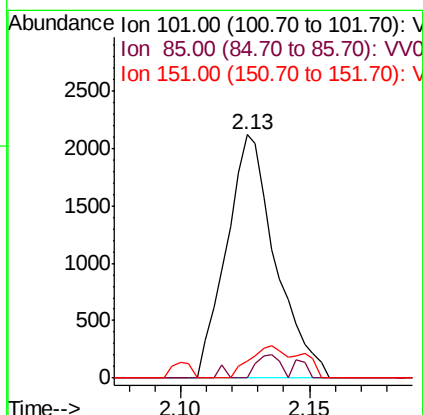
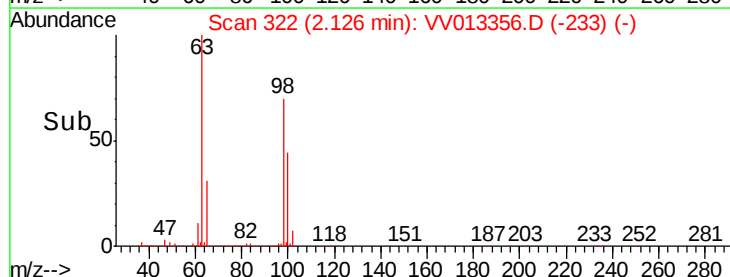
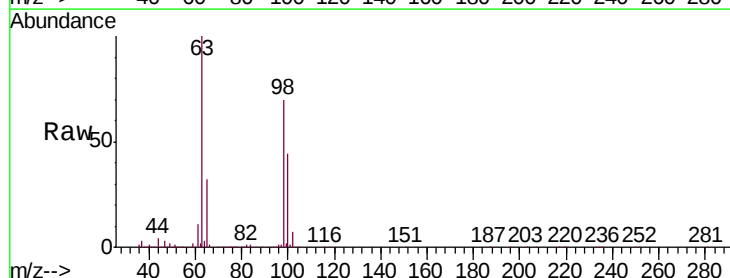
Tgt Ion: 101 Resp: 2802

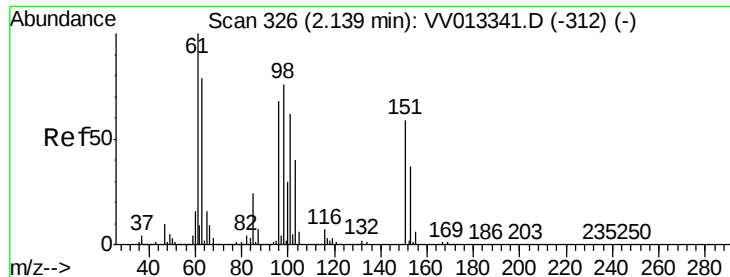
Ion Ratio Lower Upper

101 100

85 0.8 31.8 47.8#

151 2.5 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

H0G15DL

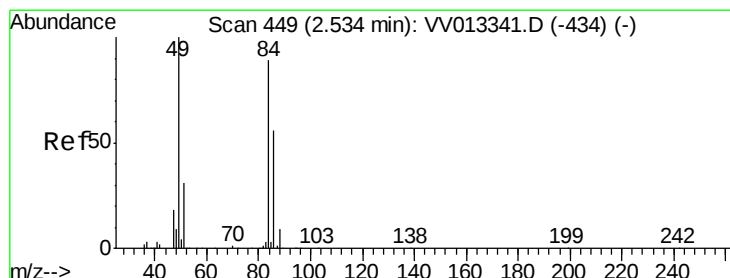
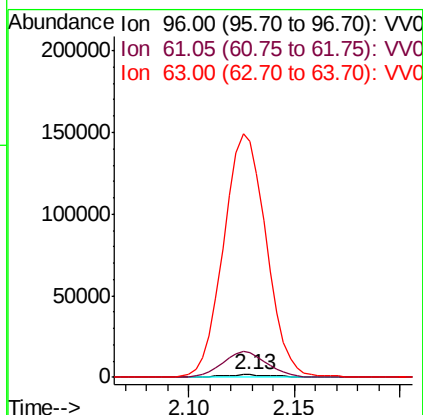
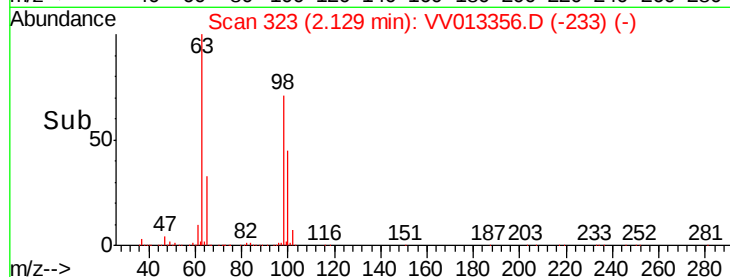
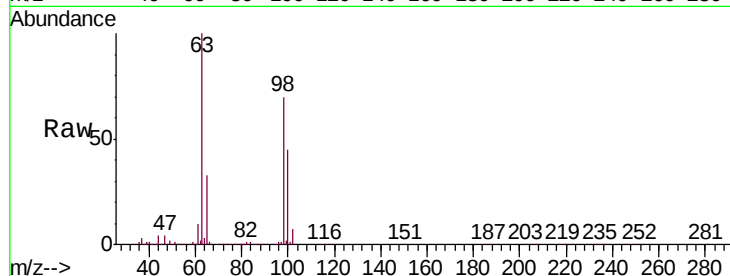
Tgt Ion: 96 Resp: 2804

Ion Ratio Lower Upper

96 100

61 1011.2 104.0 193.1#

63 9666.3 67.1 124.5#



#16

Methylene chloride

Concen: 0.163 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

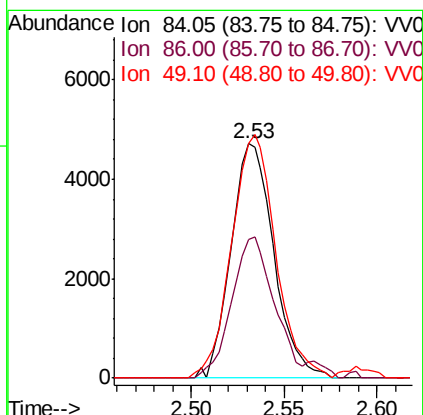
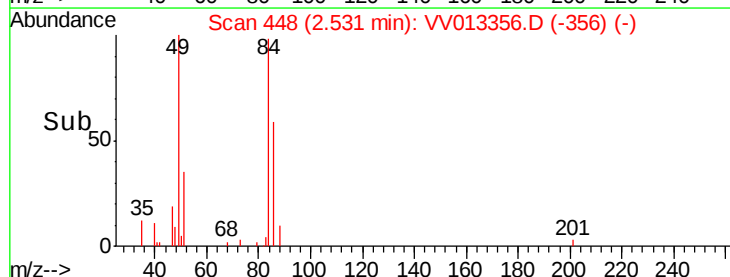
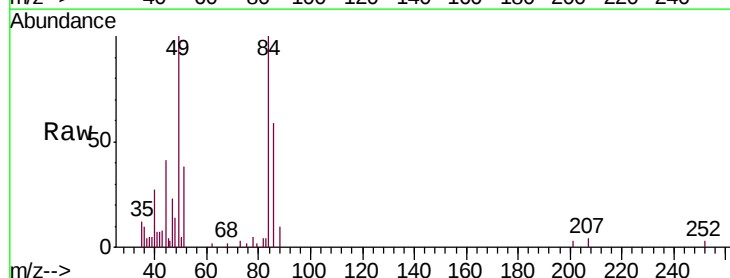
Tgt Ion: 84 Resp: 7541

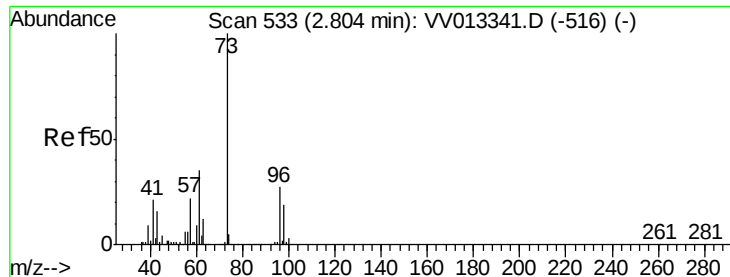
Ion Ratio Lower Upper

84 100

86 59.3 46.2 85.8

49 100.3 76.4 141.8





#17

Methyl tert-butyl Ether

Concen: 9.723 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

H0G15DL

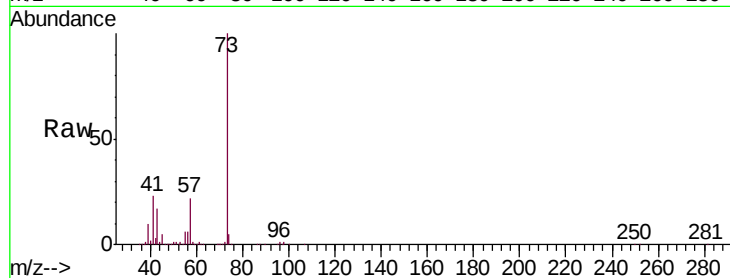
Tgt Ion: 73 Resp: 692777

Ion Ratio Lower Upper

73 100

43 17.6 13.1 19.7

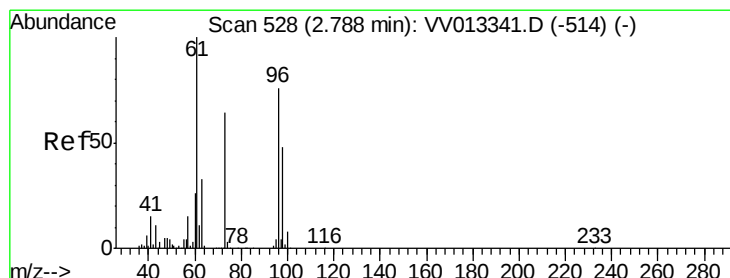
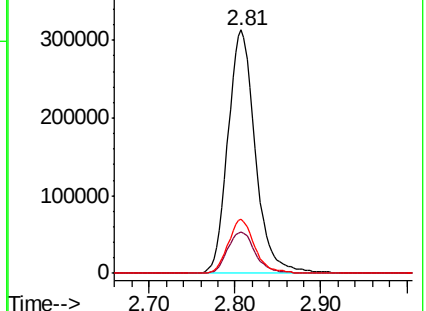
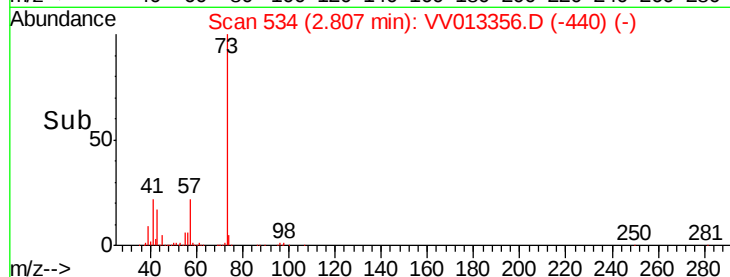
57 21.8 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.413 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

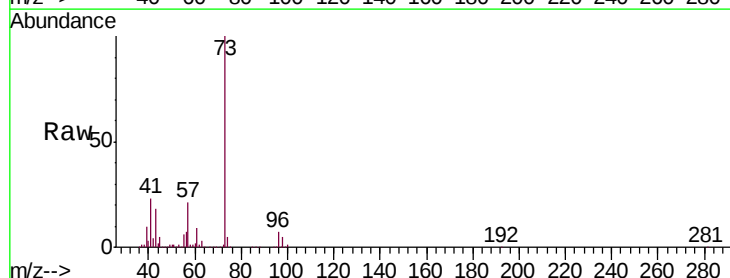
Tgt Ion: 96 Resp: 14989

Ion Ratio Lower Upper

96 100

61 124.5 84.4 156.8

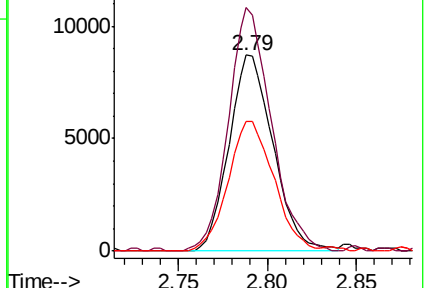
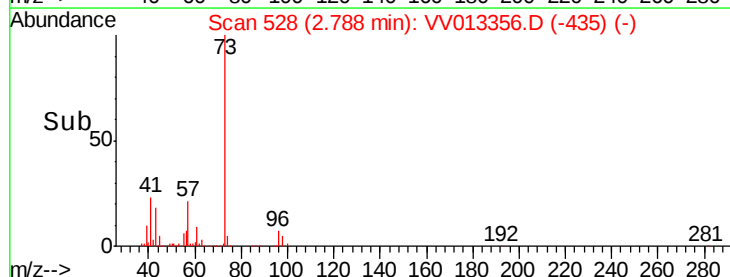
98 66.4 44.4 82.4

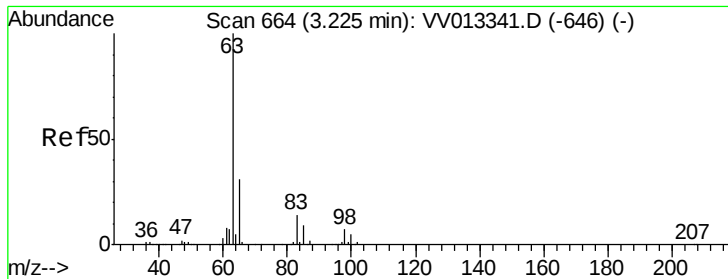


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

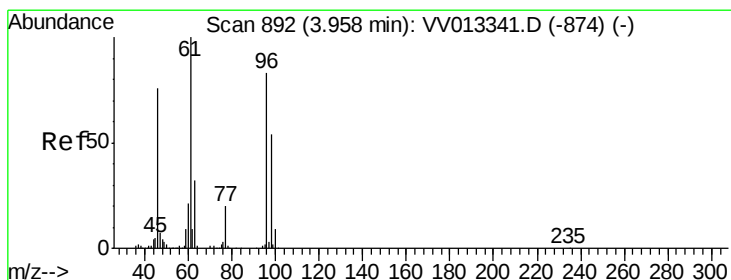
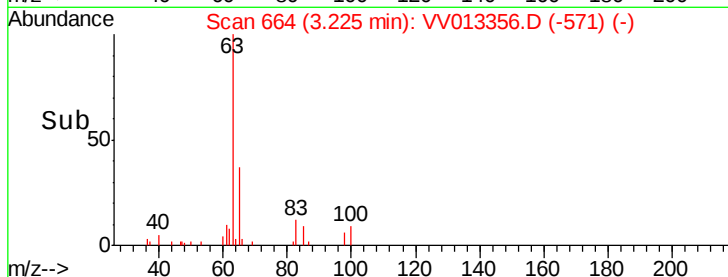
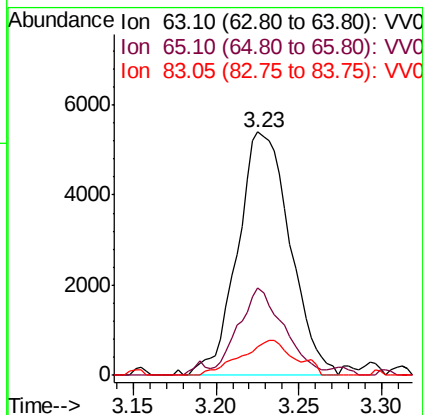
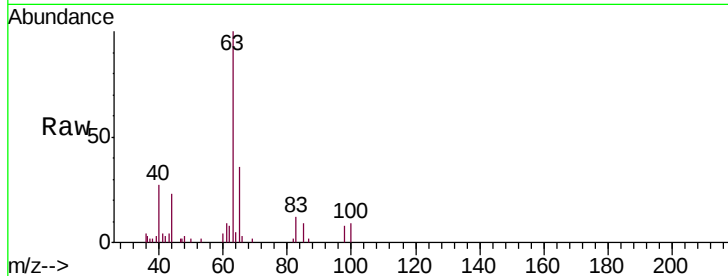




#19
 1,1-Dichloroethane
 Concen: 0.200 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013356.D
 Acq: 25 Oct 2019 19:43

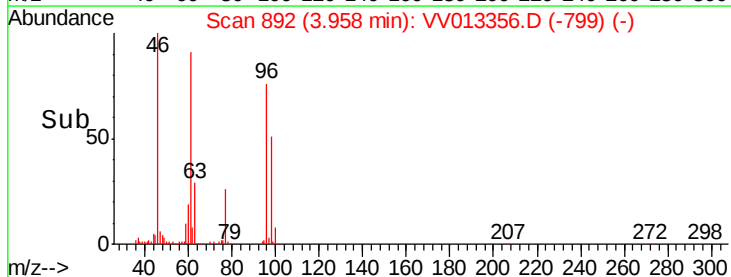
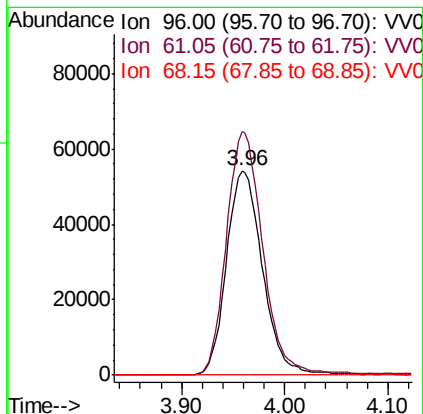
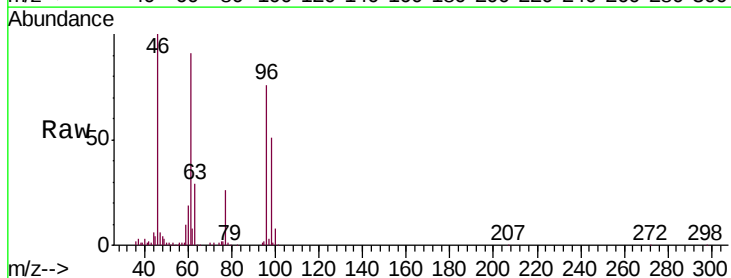
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G15DL

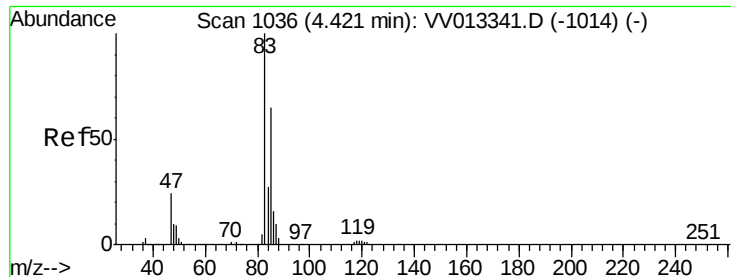
Tgt Ion	Ratio	Lower	Upper
63	100		
65	36.1	23.0	42.8
83	11.8	10.2	19.0



#22
 cis-1,2-Dichloroethene
 Concen: 3.373 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013356.D
 Acq: 25 Oct 2019 19:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.3	77.3	143.7
68	0.0	0.1	0.1#





#25

Chloroform

Concen: 0.262 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

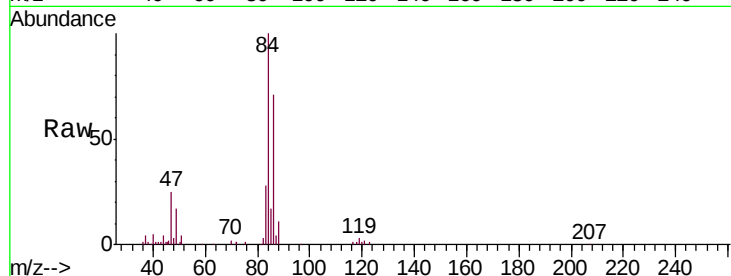
H0G15DL

Tgt Ion: 83 Resp: 20167

Ion Ratio Lower Upper

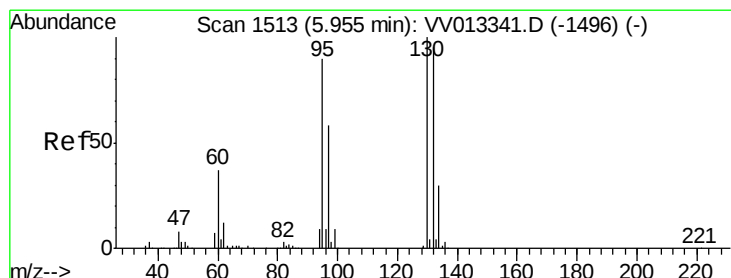
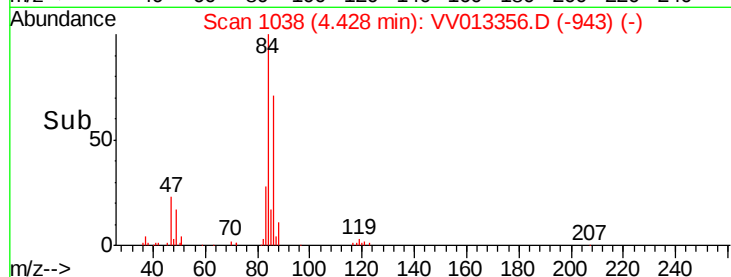
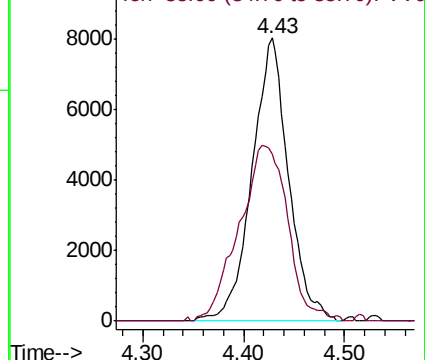
83 100

85 59.1 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#34

Trichloroethene

Concen: 2.202 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Tgt Ion: 95 Resp: 97293

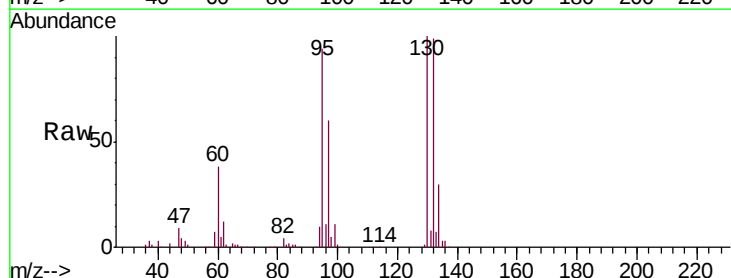
Ion Ratio Lower Upper

95 100

97 63.6 45.2 84.0

132 105.3 70.6 131.2

130 106.4 75.5 140.3

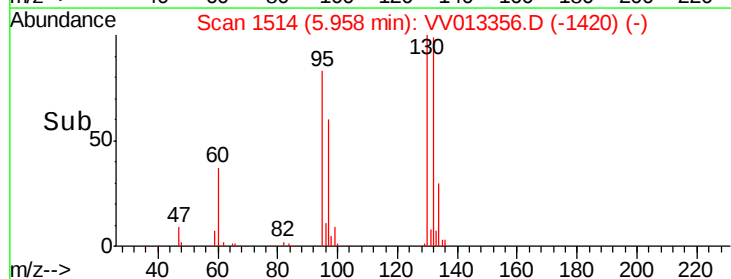
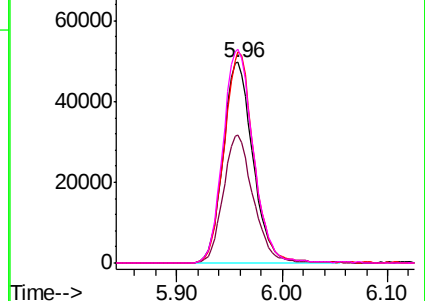


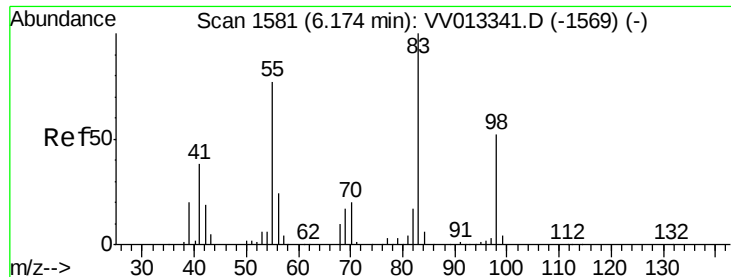
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

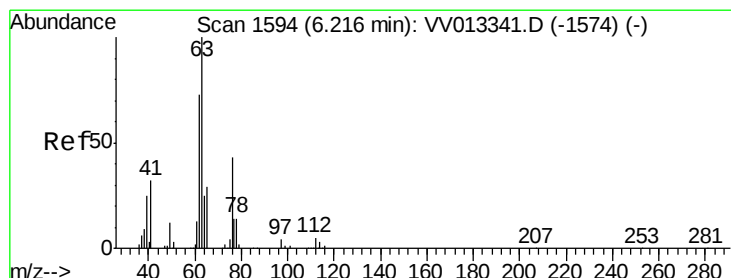
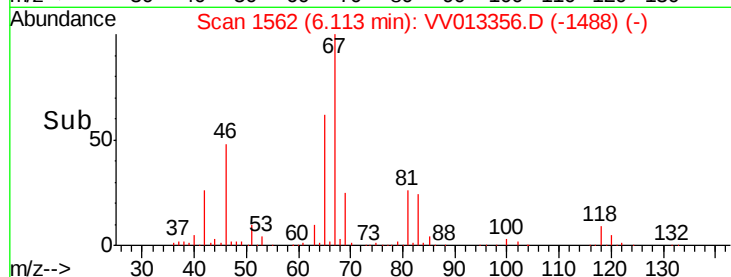
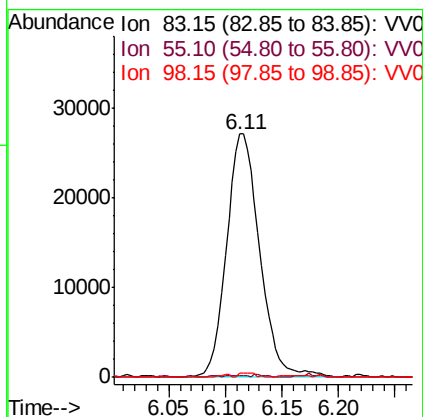
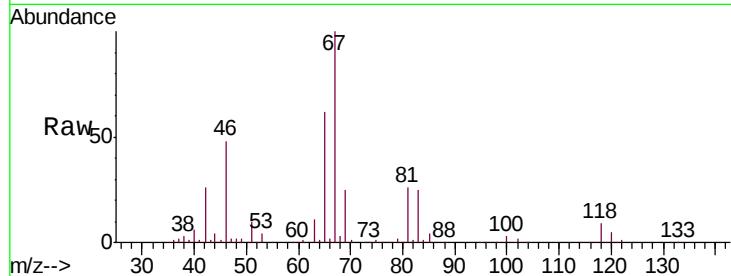




#35
Methylcyclohexane
Concen: 0.813 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013356.D
Acq: 25 Oct 2019 19:43

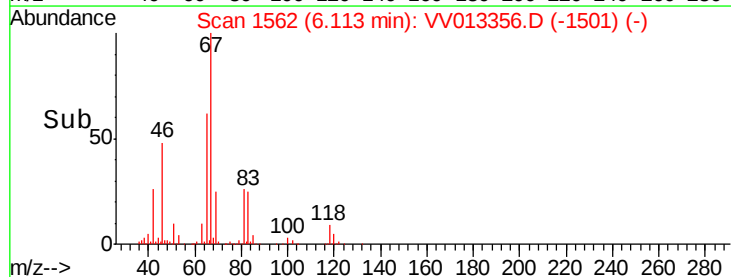
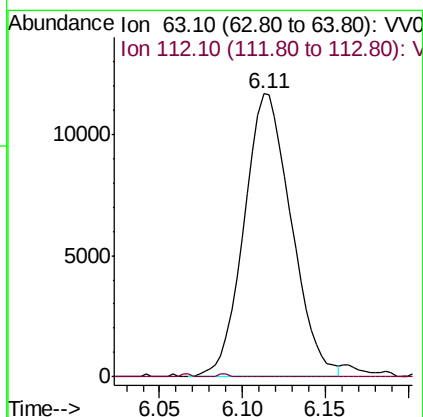
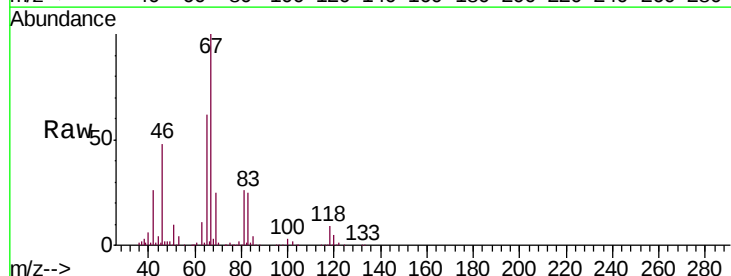
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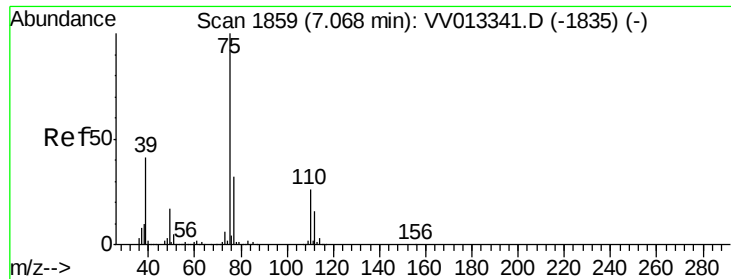
Tgt Ion: 83 Resp: 55304
Ion Ratio Lower Upper
83 100
55 0.5 62.4 93.6#
98 0.0 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013356.D
Acq: 25 Oct 2019 19:43

Tgt Ion: 63 Resp: 23152
Ion Ratio Lower Upper
63 100
112 0.2 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

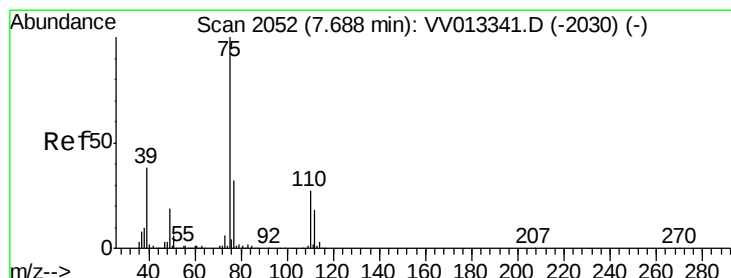
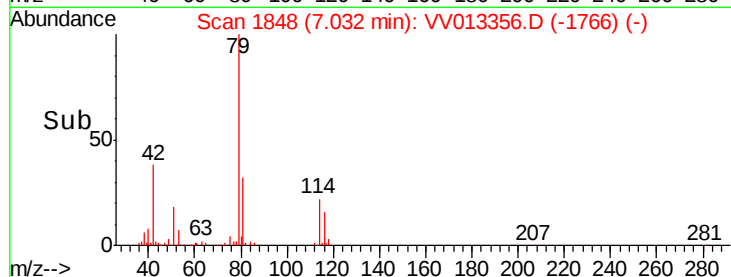
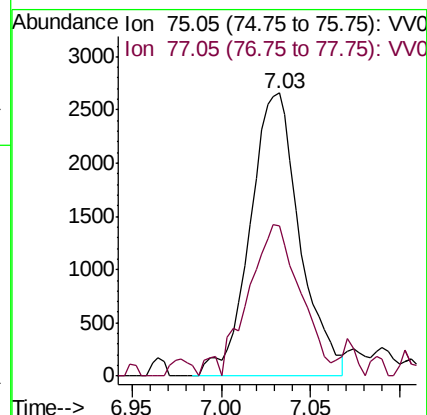
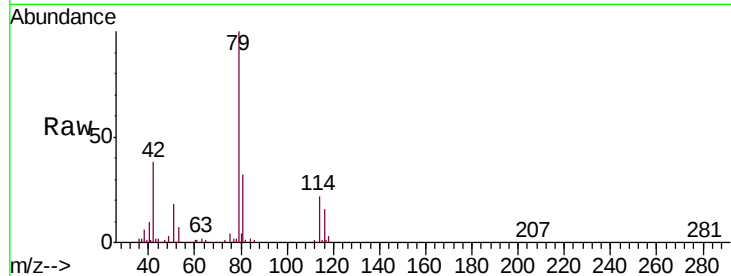
H0G15DL

Tgt Ion: 75 Resp: 5180

Ion Ratio Lower Upper

75 100

77 53.2 22.6 42.0#



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013356.D

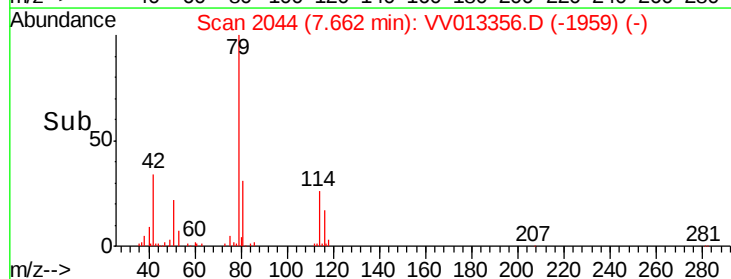
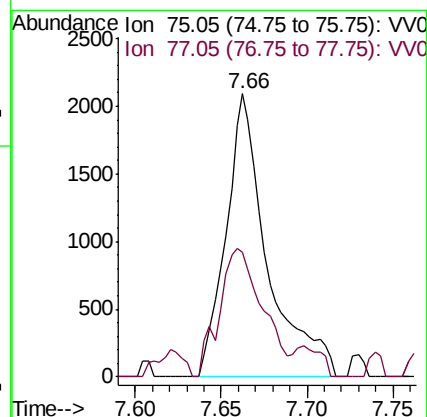
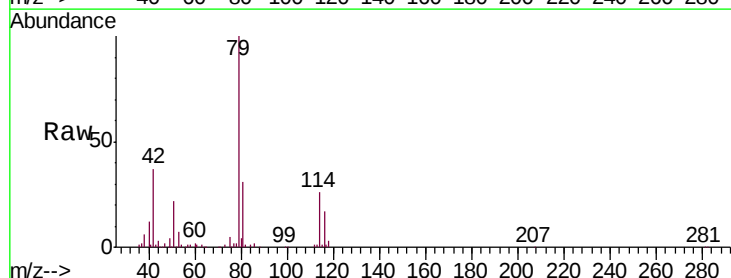
Acq: 25 Oct 2019 19:43

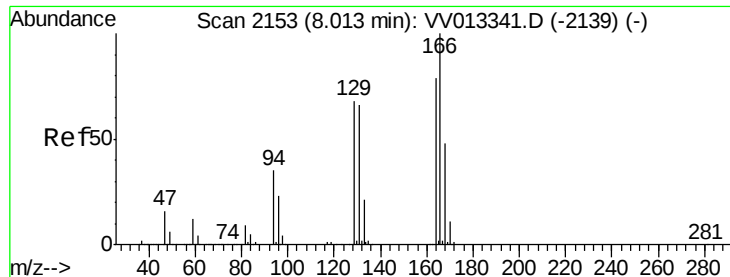
Tgt Ion: 75 Resp: 3526

Ion Ratio Lower Upper

75 100

77 43.8 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.094 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Instrument :

MSVOA_V

ClientSampleId :

H0G15DL

Tgt Ion:164 Resp: 3773

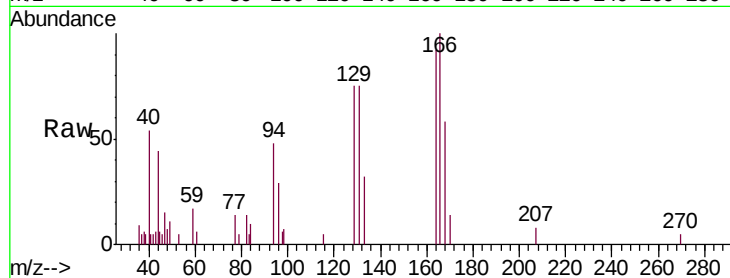
Ion Ratio Lower Upper

164 100

129 81.5 61.0 113.2

131 81.9 57.5 106.9

166 109.0 87.8 163.0

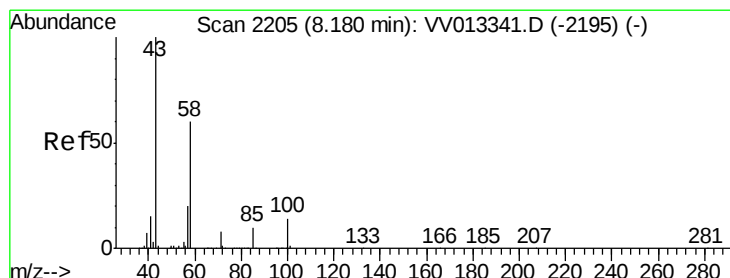
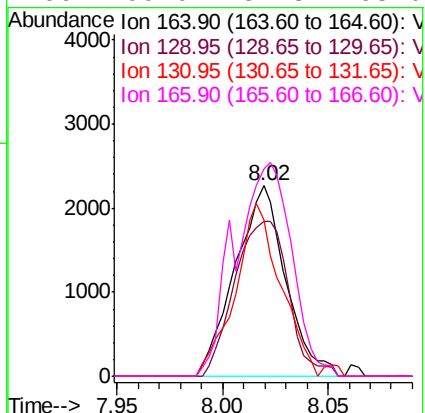
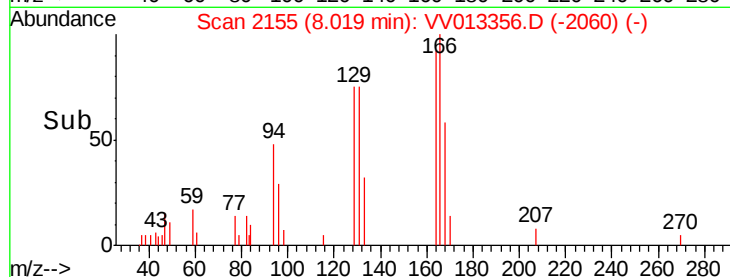


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.723 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013356.D

Acq: 25 Oct 2019 19:43

Tgt Ion: 43 Resp: 25147

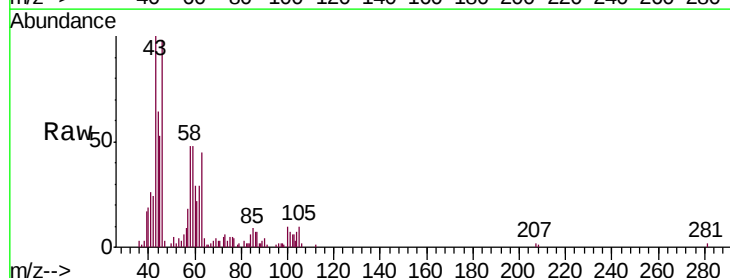
Ion Ratio Lower Upper

43 100

58 42.7 45.1 67.7#

57 13.5 15.5 23.3#

100 9.0 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

