

Data File : VV013773.D
Acq On : 25 Nov 2019 18:32
Operator : SY/MD
Sample : K6004-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AE2

Quant Time: Nov 26 04:42:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	340938	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	329988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	157088	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93740	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	86987	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.14	63	274815	7.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	154.80%#
20) 2-Butanone-d5	3.93	46	240458	54.81	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.62%
24) Chloroform-d	4.40	84	210486	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	103483	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	382723	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.11	67	123029	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	336564	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.66	79	42153	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.13	63	188848	51.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97678	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	139880	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

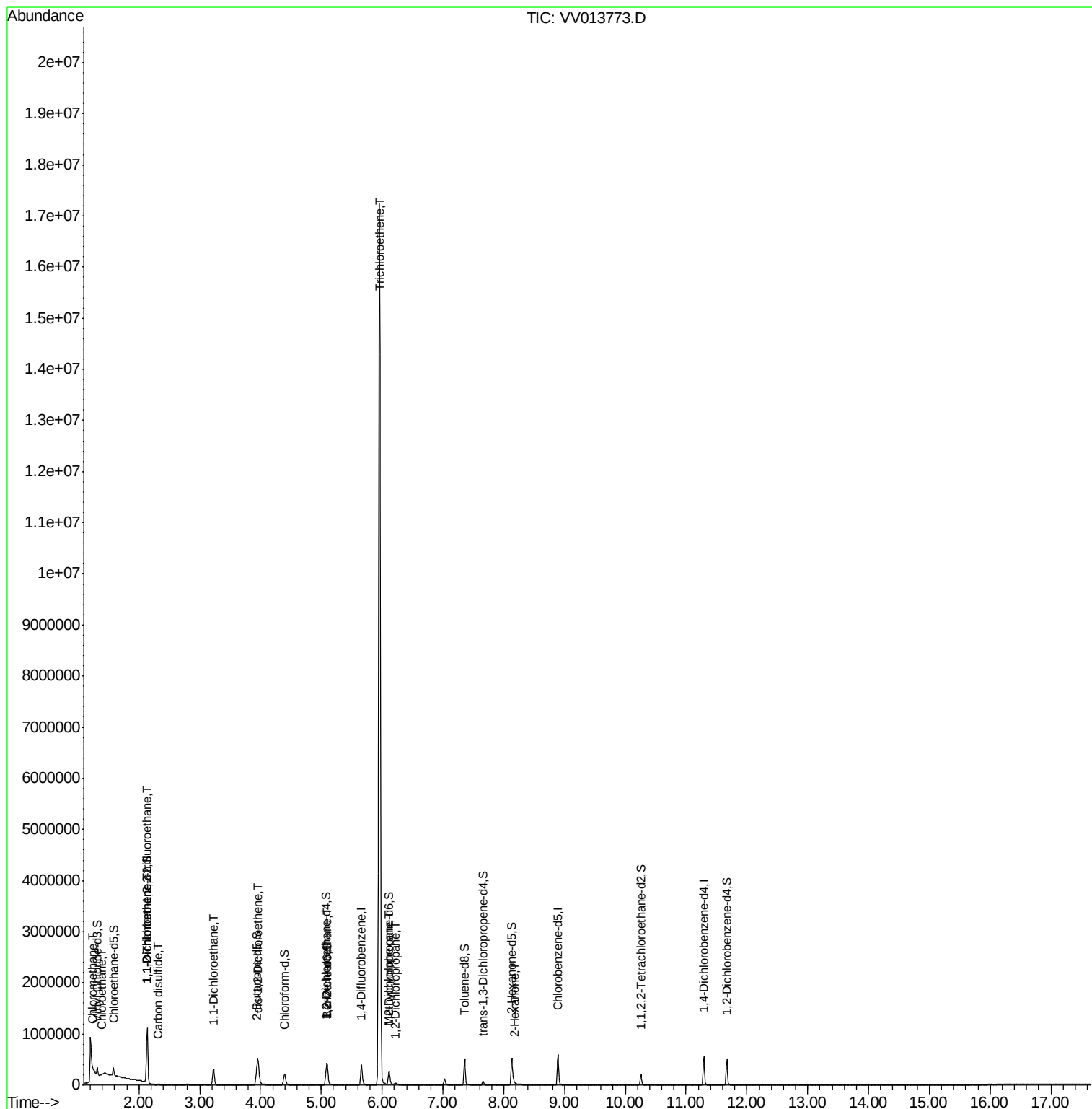
					Qvalue	
3) Chloromethane	1.25	50	19355	0.971	ug/L #	82
8) Chloroethane	1.39	64	6368	0.519	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2135	0.114	ug/L #	27
12) 1,1-Dichloroethene	2.14	96	290896	17.746	ug/L #	71
14) Carbon disulfide	2.32	76	11591	0.306	ug/L	95
19) 1,1-Dichloroethane	3.23	63	301637	8.163	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	253426	11.675	ug/L	94
27) 1,2-Dichloroethane	5.09	62	1258	0.056	ug/L	98
34) Trichloroethene	5.96	95	5716443	256.004	ug/L	97
35) Methylcyclohexane	6.11	83	32137	1.079	ug/L #	19
37) 1,2-Dichloropropane	6.22	63	11250	0.541	ug/L	100
48) 2-Hexanone	8.18	43	4751	0.548	ug/L #	69

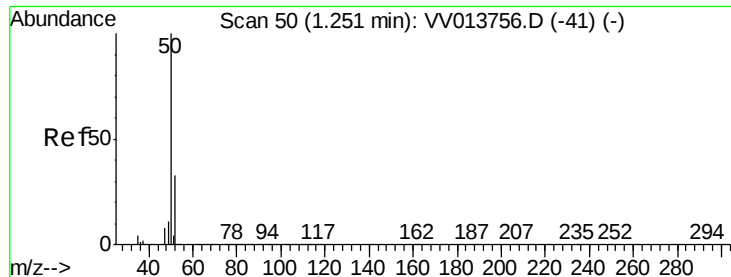
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.971 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013773.D

Acq: 25 Nov 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

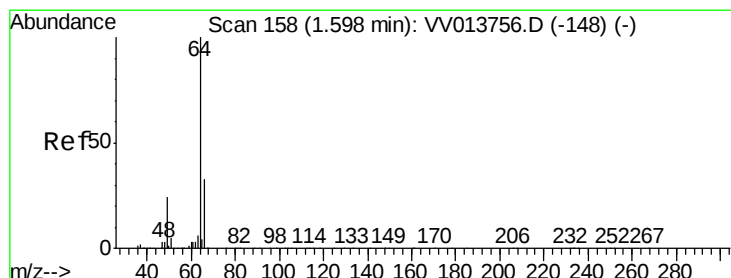
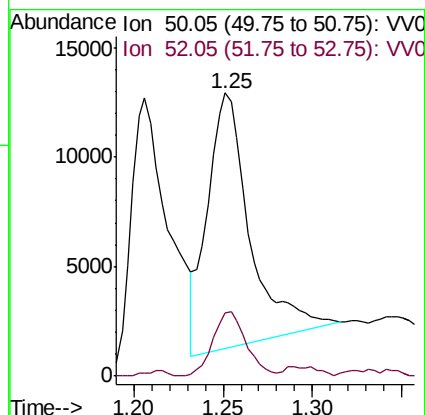
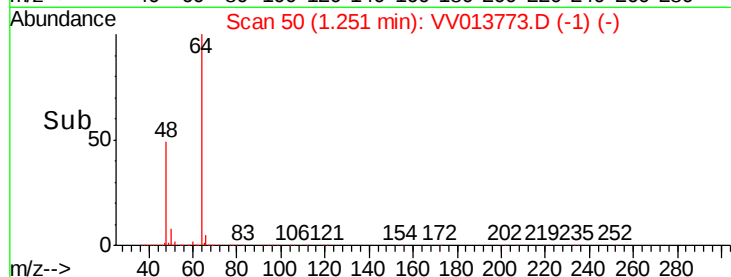
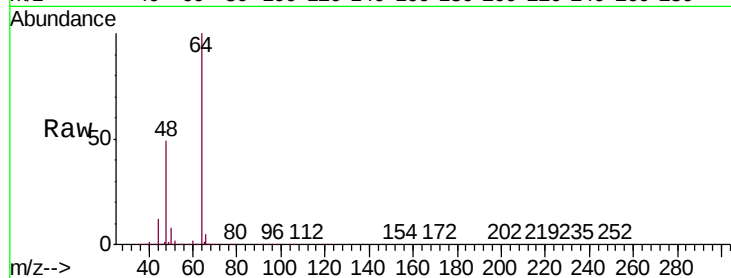
B0AE2

Tgt Ion: 50 Resp: 19355

Ion Ratio Lower Upper

50 100

52 22.3 22.5 41.7#



#8

Chloroethane

Concen: 0.519 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.21 min

Lab File: VV013773.D

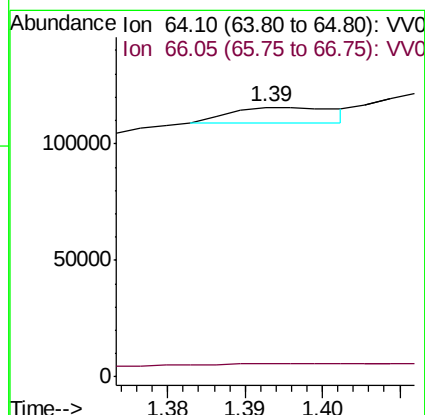
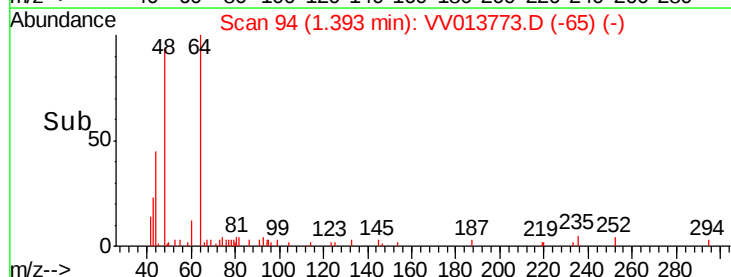
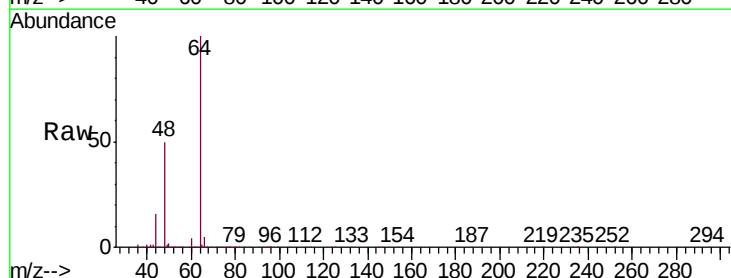
Acq: 25 Nov 2019 18:32

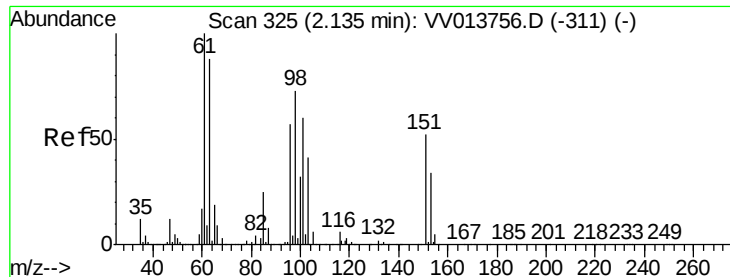
Tgt Ion: 64 Resp: 6368

Ion Ratio Lower Upper

64 100

66 4.8 22.6 42.0#





#10

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

Concen: 0.114 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013773.D

Acq: 25 Nov 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

B0AE2

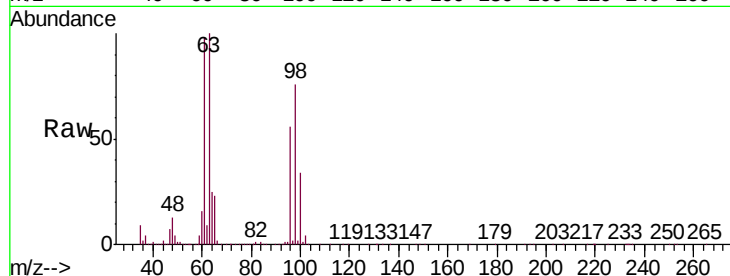
Tgt Ion: 101 Resp: 2135

Ion Ratio Lower Upper

101 100

85 16.2 33.4 50.0#

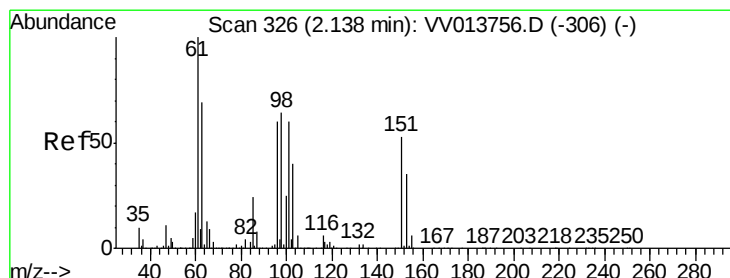
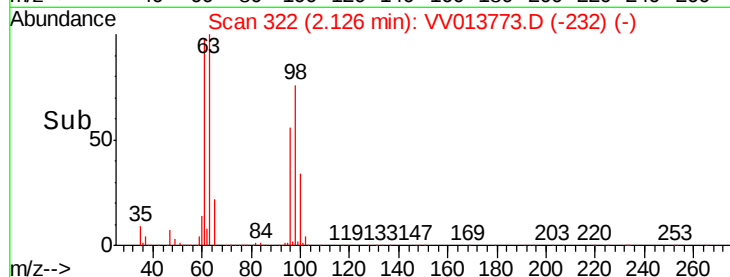
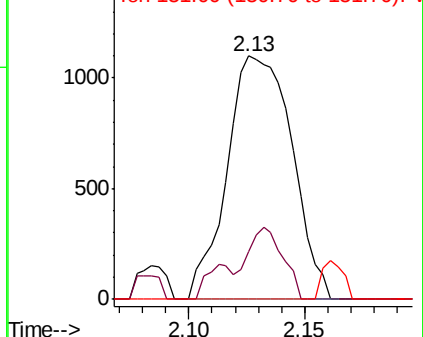
151 5.2 69.4 104.0#



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: 17.746 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013773.D

Acq: 25 Nov 2019 18:32

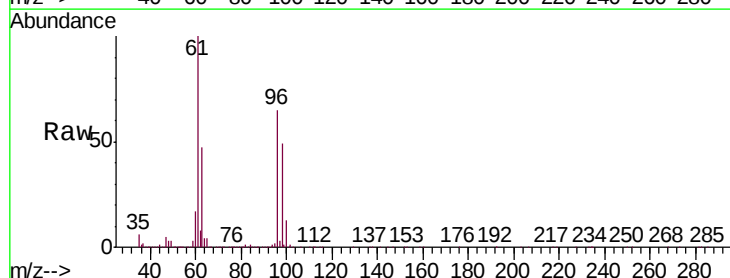
Tgt Ion: 96 Resp: 290896

Ion Ratio Lower Upper

96 100

61 154.7 116.3 215.9

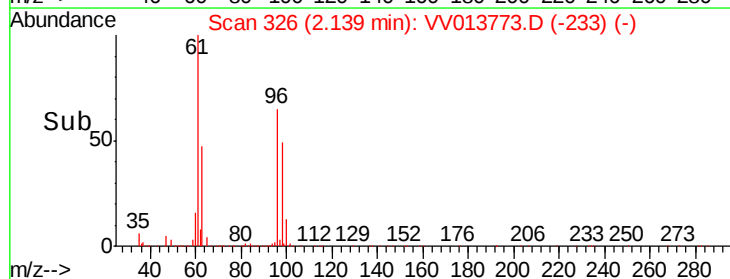
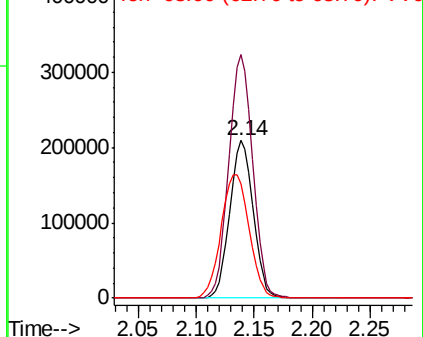
63 72.2 96.7 179.7#

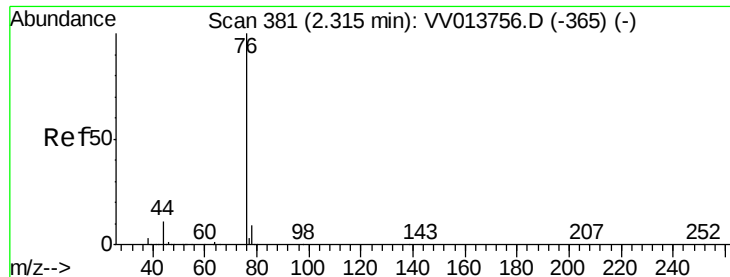


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.306 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013773.D

Acq: 25 Nov 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

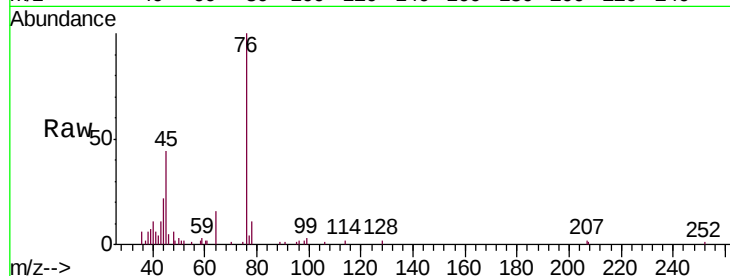
B0AE2

Tgt Ion: 76 Resp: 11591

Ion Ratio Lower Upper

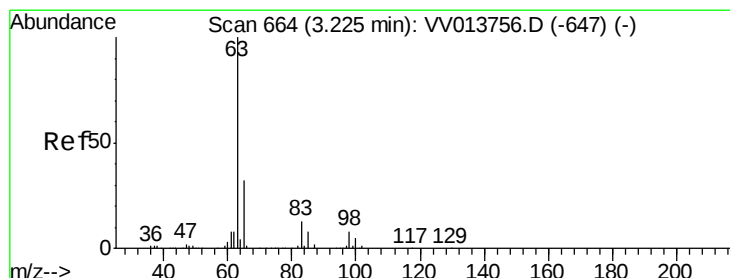
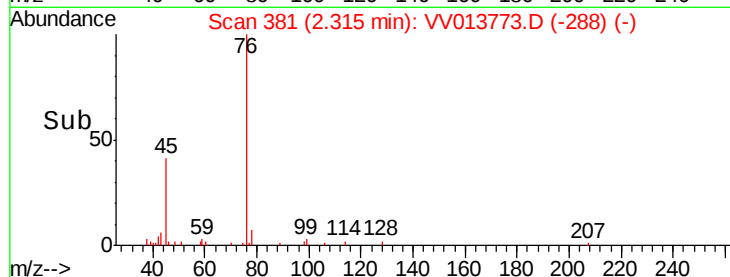
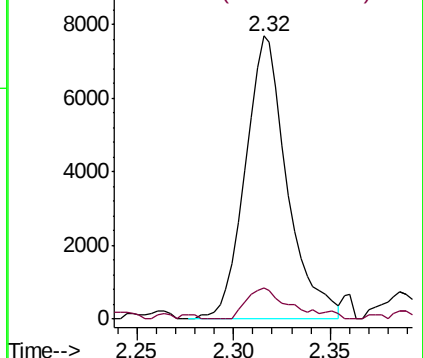
76 100

78 11.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#19

1,1-Dichloroethane

Concen: 8.163 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013773.D

Acq: 25 Nov 2019 18:32

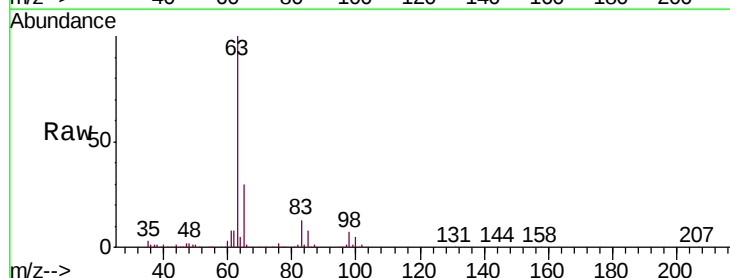
Tgt Ion: 63 Resp: 301637

Ion Ratio Lower Upper

63 100

65 30.4 22.7 42.1

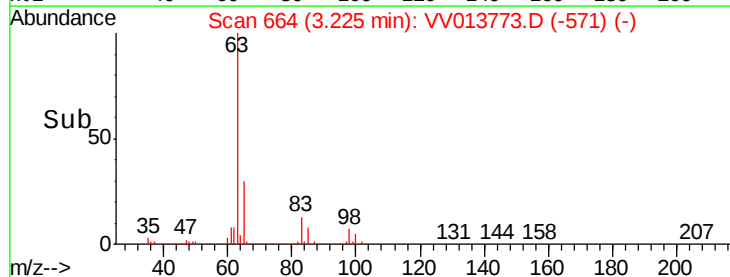
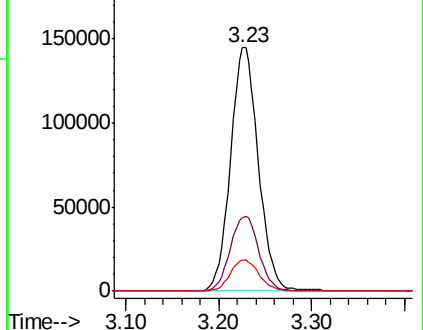
83 13.0 9.2 17.2

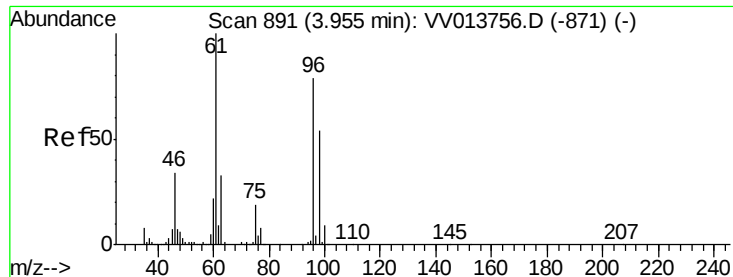


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



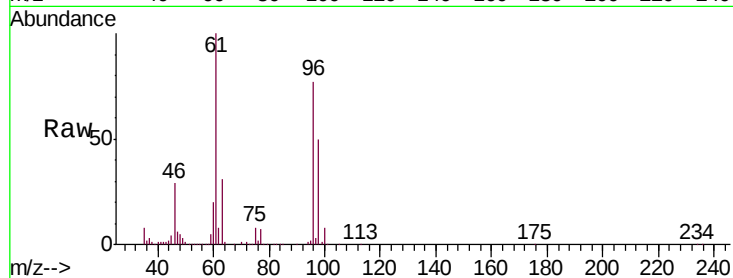


#22

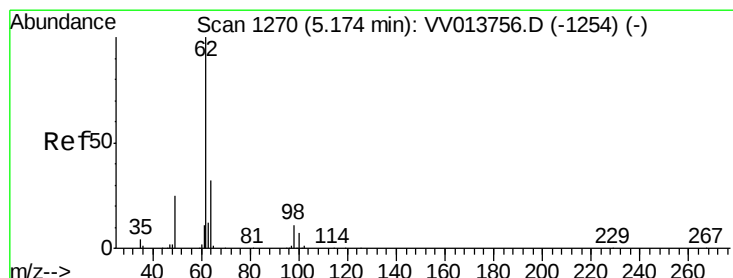
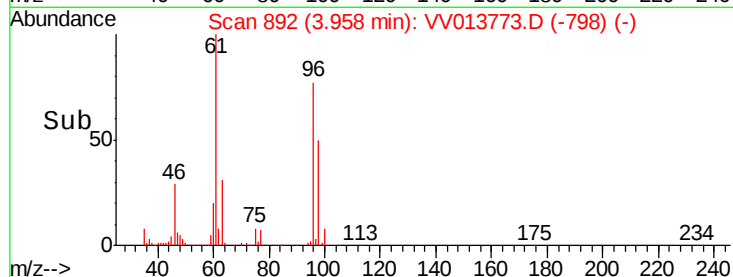
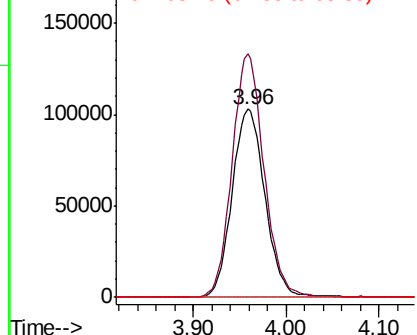
cis-1,2-Dichloroethene
Concen: 11.675 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013773.D
Acq: 25 Nov 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
B0AE2

Tgt Ion: 96 Resp: 253426
Ion Ratio Lower Upper
96 100
61 129.3 86.1 159.9
68 0.0 0.0 0.0



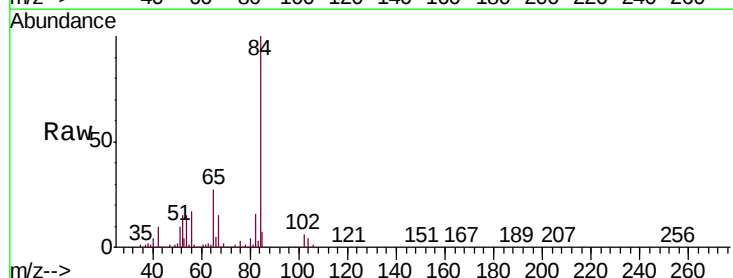
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



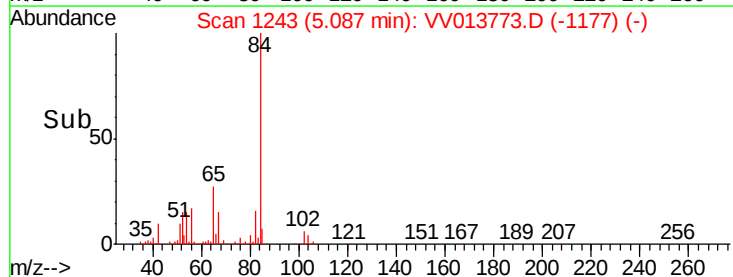
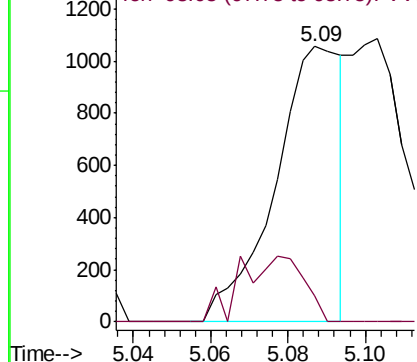
#27

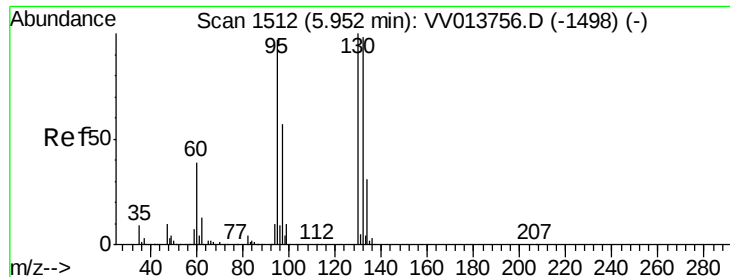
1,2-Dichloroethane
Concen: 0.056 ug/L
RT: 5.09 min Scan# 1243
Delta R.T. -0.09 min
Lab File: VV013773.D
Acq: 25 Nov 2019 18:32

Tgt Ion: 62 Resp: 1258
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

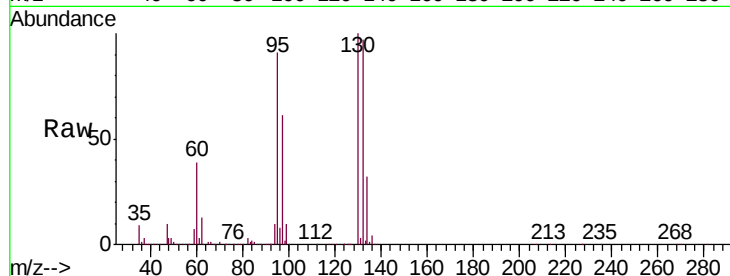




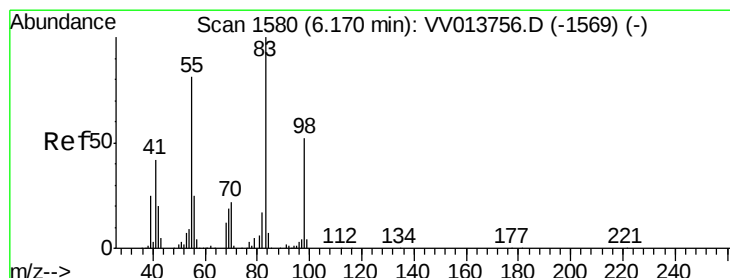
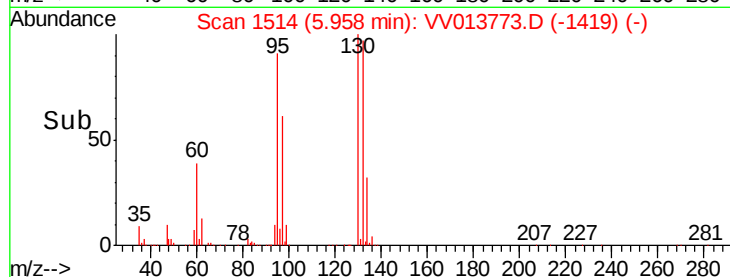
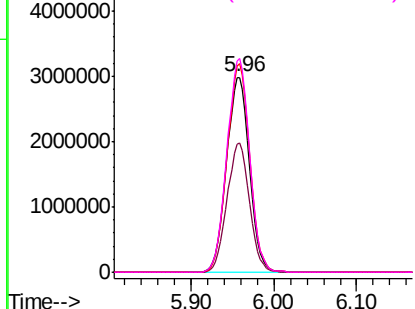
#34
 Trichloroethene
 Concen: 256.004 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VV013773.D
 Acq: 25 Nov 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AE2

Tgt Ion: 95 Resp: 5716443
 Ion Ratio Lower Upper
 95 100
 97 66.3 45.6 84.8
 132 106.8 70.5 130.9
 130 109.5 75.9 140.9

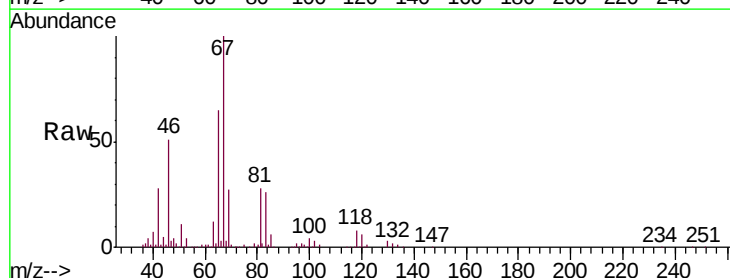


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

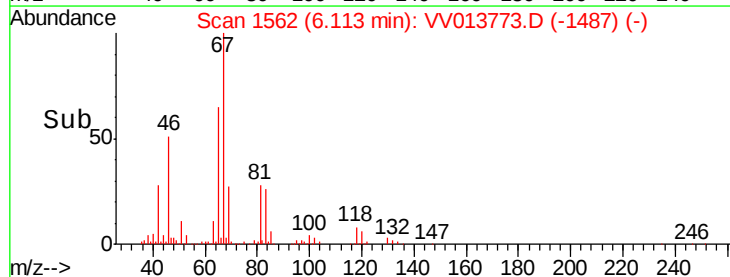
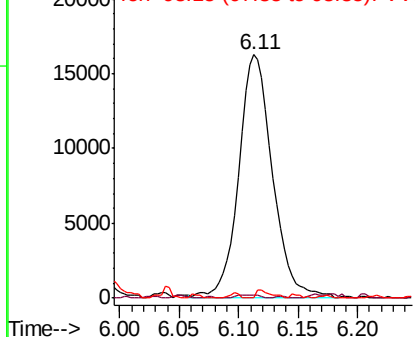


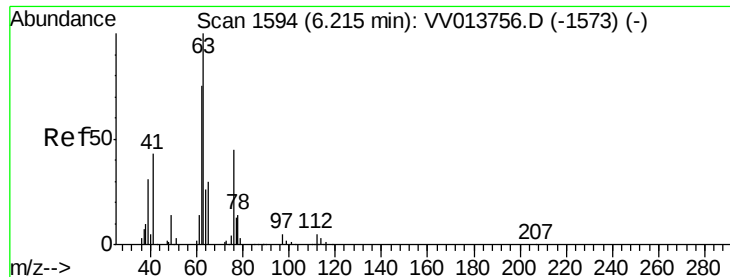
#35
 Methylcyclohexane
 Concen: 1.079 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013773.D
 Acq: 25 Nov 2019 18:32

Tgt Ion: 83 Resp: 32137
 Ion Ratio Lower Upper
 83 100
 55 0.6 60.3 90.5#
 98 0.0 38.1 57.1#



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

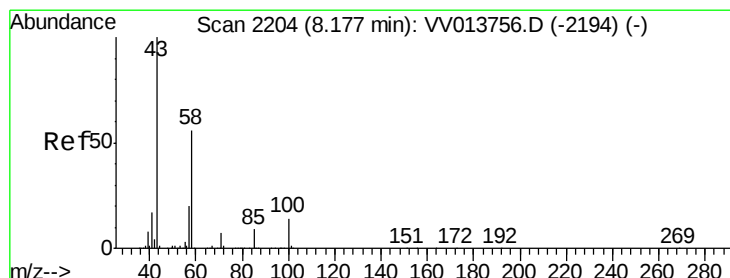
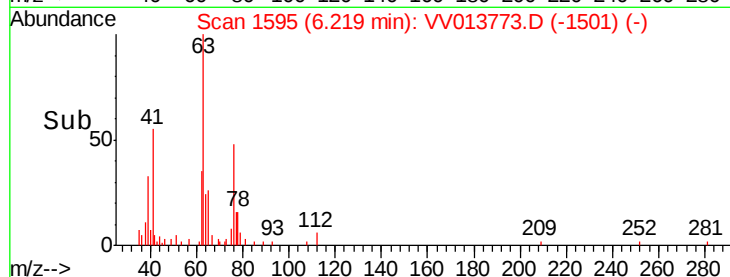
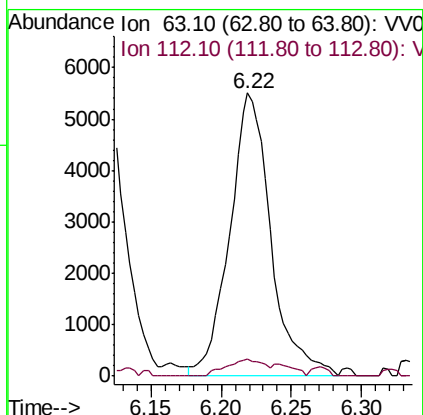
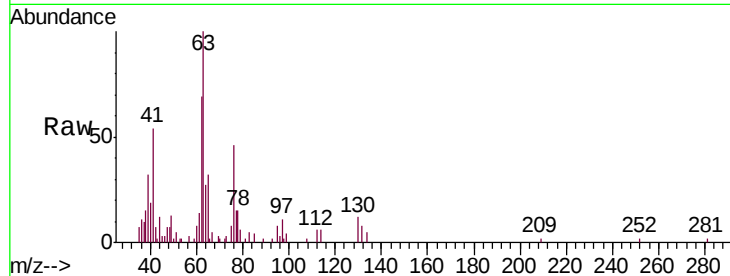




#37
 1,2-Dichloropropane
 Concen: 0.541 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013773.D
 Acq: 25 Nov 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AE2

Tgt Ion: 63 Resp: 11250
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.4 6.6



#48
 2-Hexanone
 Concen: 0.548 ug/L
 RT: 8.18 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: VV013773.D
 Acq: 25 Nov 2019 18:32

Tgt Ion: 43 Resp: 4751
 Ion Ratio Lower Upper
 43 100
 58 24.2 43.2 64.8#
 57 17.5 15.4 23.2
 100 1.8 10.4 15.6#

