

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011732.D
 Acq On : 24 Jun 2019 16:00
 Operator : SY/MD
 Sample : K3462-15DL 100X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163840	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	151160	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54790	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.57	69	38941	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.12	63	85594	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.95	46	174050	60.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.52%
24) Chloroform-d	4.40	84	110848	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.08	65	66409	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.10	84	230074	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
36) 1,2-Dichloropropane-d6	6.12	67	70764	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	196087	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.66	79	22613	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.13	63	130461	61.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51560	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	66973	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

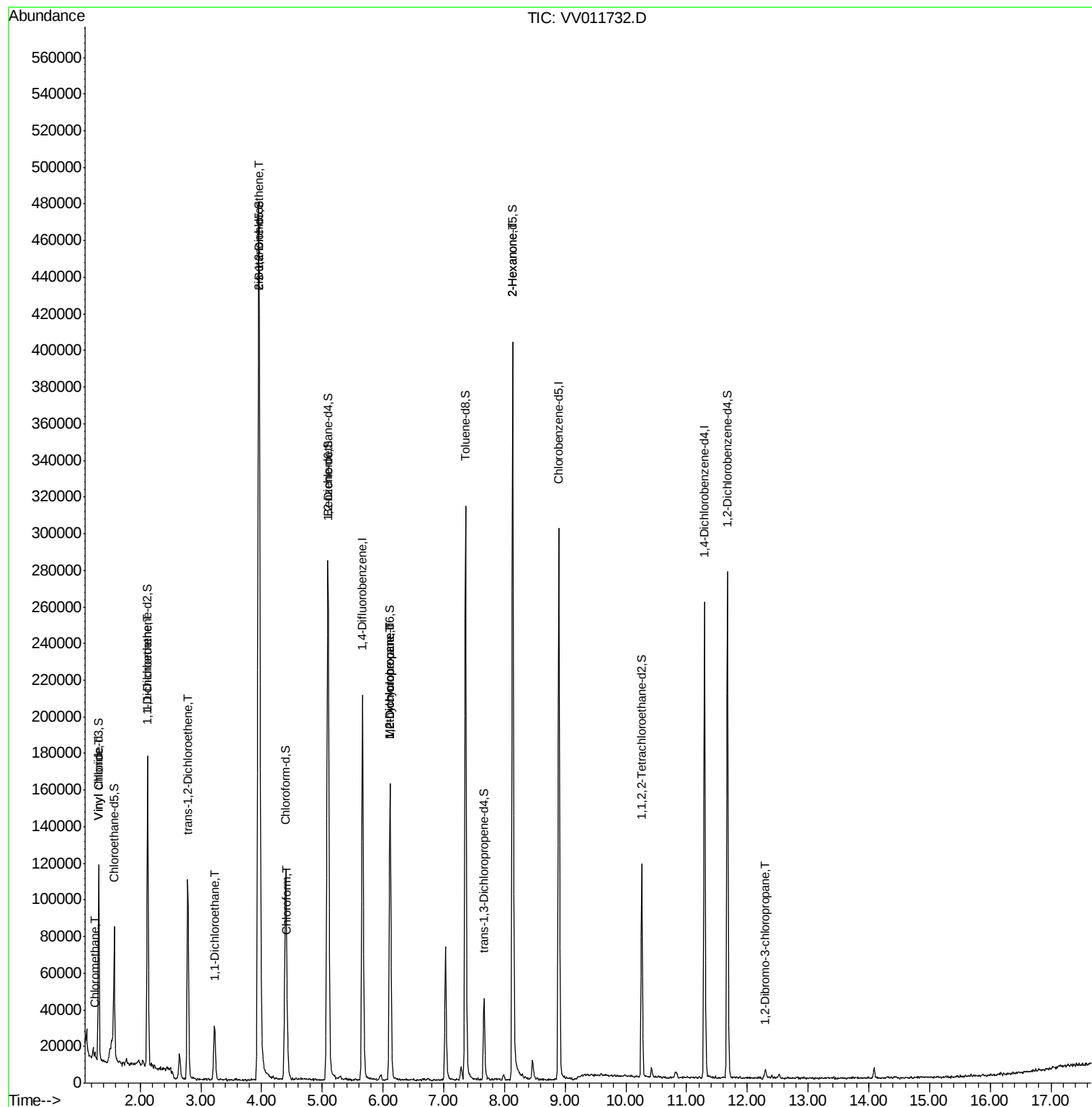
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	2707	0.175	ug/L	97
5) Vinyl chloride	1.32	62	12331	0.814	ug/L	87
12) 1,1-Dichloroethene	2.14	96	5647	0.557	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	37826	3.173	ug/L	92
19) 1,1-Dichloroethane	3.23	63	29088	1.228	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	207921	15.872	ug/L	98
25) Chloroform	4.43	83	5461	0.210	ug/L	99
35) Methylcyclohexane	6.12	83	17052	0.795	ug/L #	14
37) 1,2-Dichloropropane	6.12	63	8547	0.672	ug/L #	88
48) 2-Hexanone	8.13	43	17151	3.056	ug/L #	70
66) 1,2-Dibromo-3-chloropropan	12.30	75	216	0.185	ug/L #	6

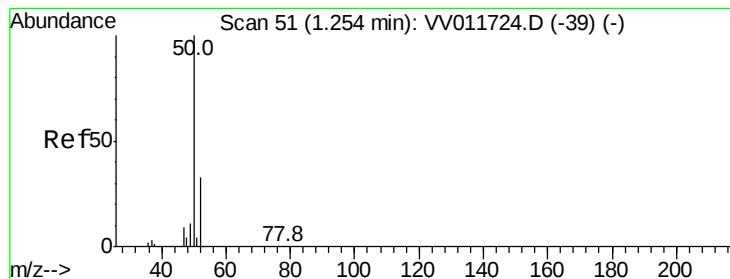
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.175 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

Instrument :

MSVOA_V

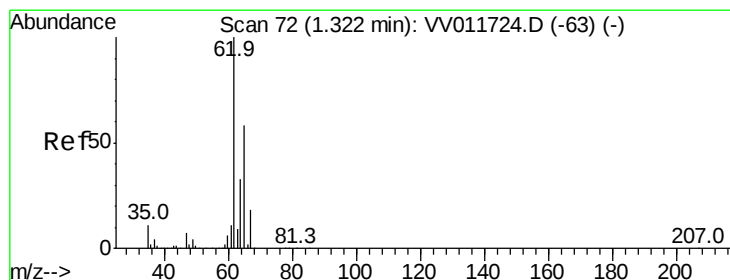
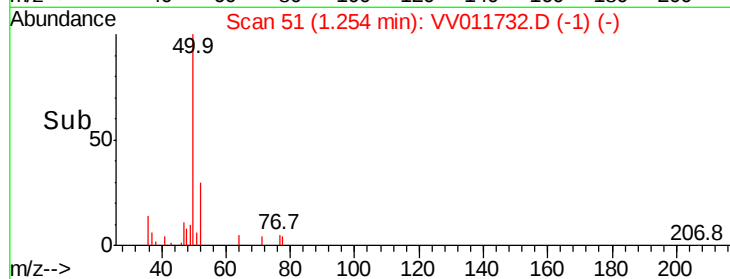
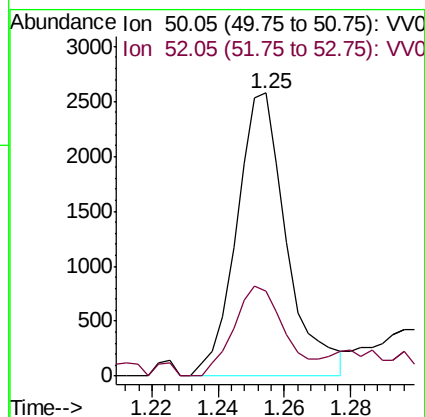
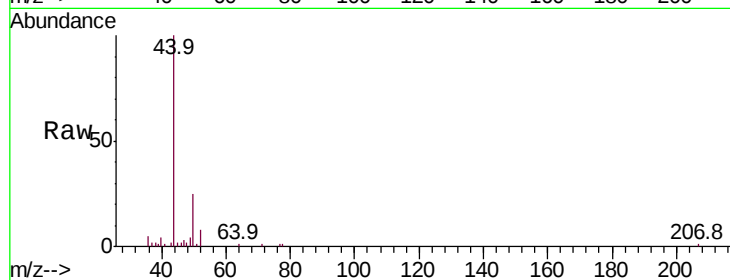
ClientSampleId :

Tot Ion: 50 Resp: 2707

Ion Ratio Lower Upper

50 100

52 30.0 22.0 40.8



#5

Vinyl chloride

Concen: 0.814 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011732.D

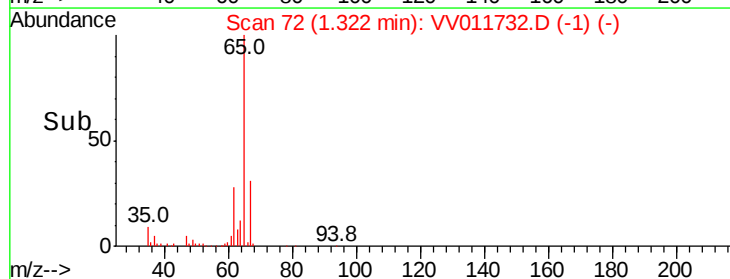
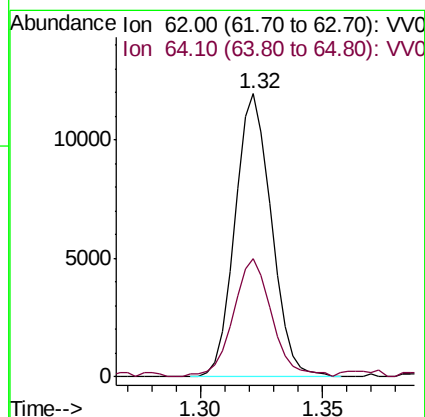
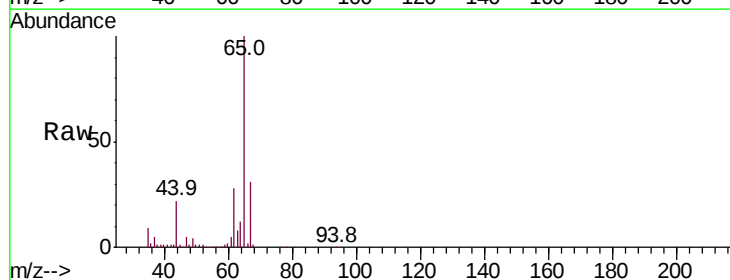
Acq: 24 Jun 2019 16:00

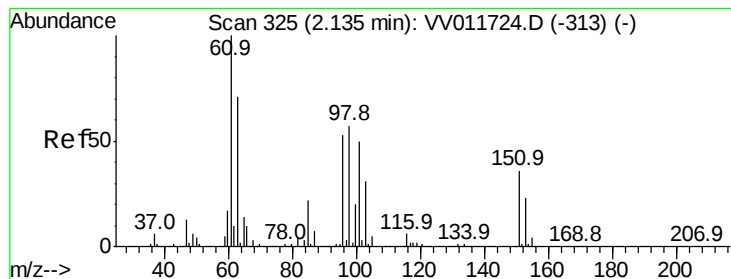
Tgt Ion: 62 Resp: 12331

Ion Ratio Lower Upper

62 100

64 41.6 24.1 44.7





#12

1,1-Dichloroethene

Concen: 0.557 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

Instrument :
MSVOA_V
ClientSampleId :

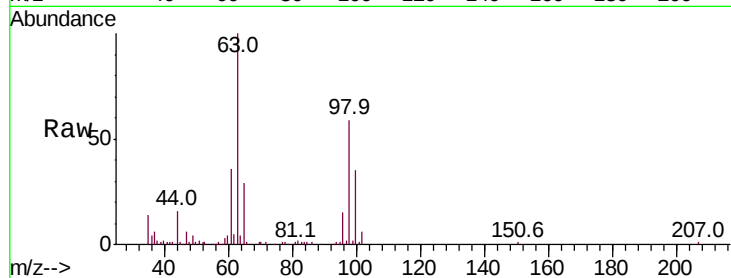
Tot Ion: 96 Resp: 5647

Ion Ratio Lower Upper

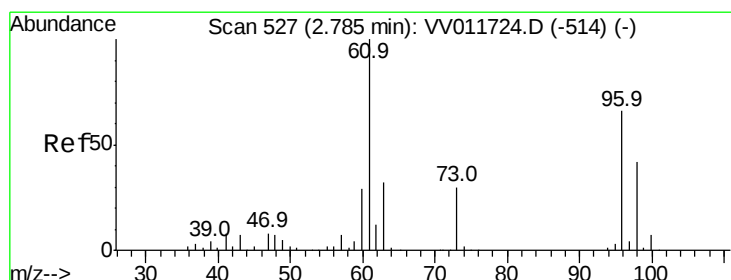
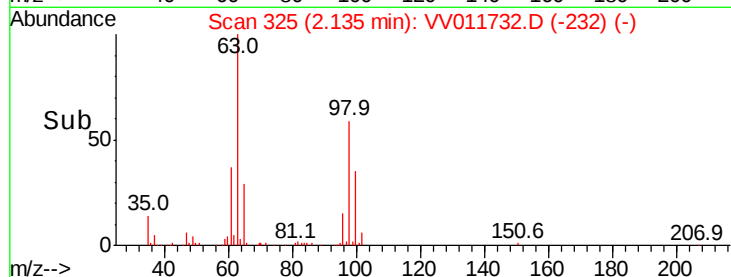
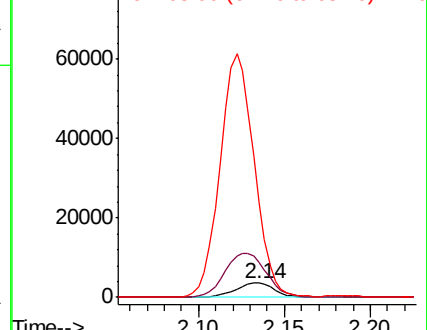
96 100

61 240.1 131.5 244.1

63 660.8 91.8 170.4#



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



#18

trans-1,2-Dichloroethene

Concen: 3.173 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

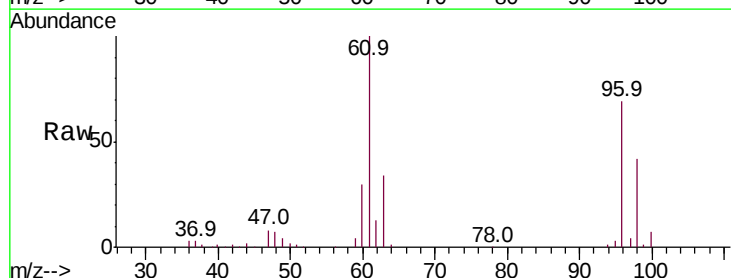
Tgt Ion: 96 Resp: 37826

Ion Ratio Lower Upper

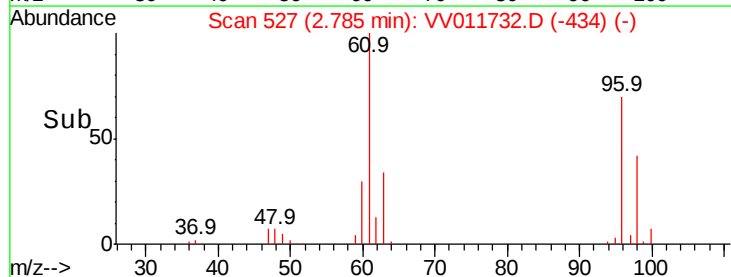
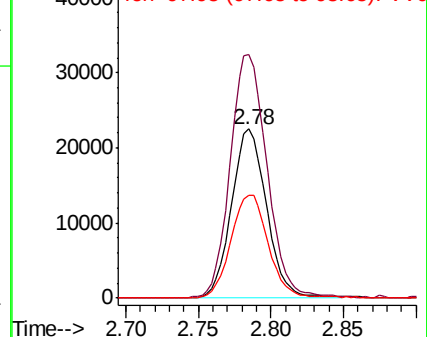
96 100

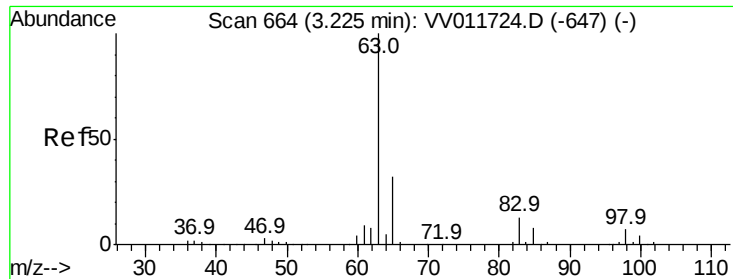
61 144.1 109.3 203.1

98 60.9 44.6 82.8



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

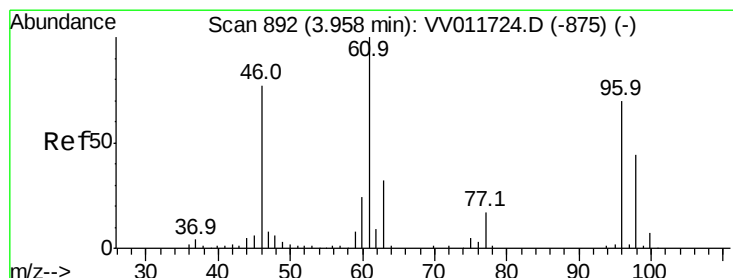
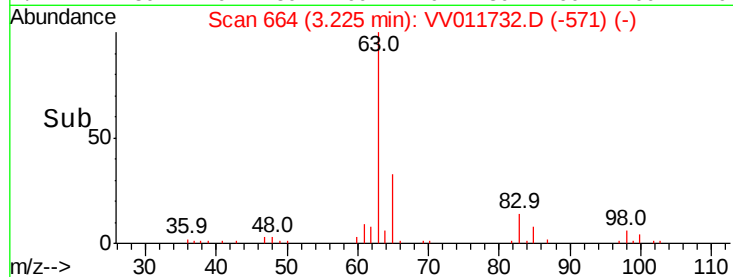
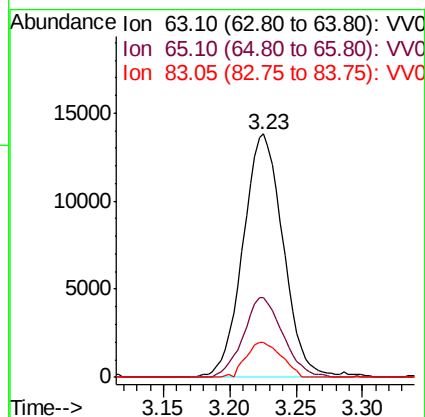
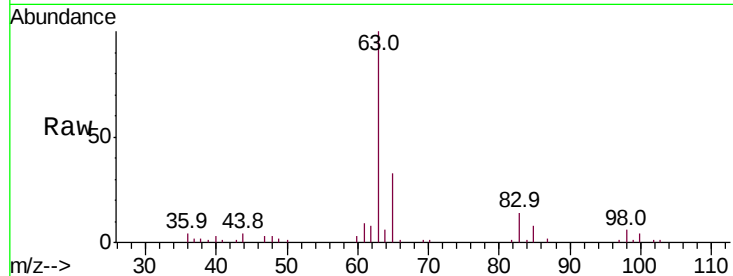




#19
 1,1-Dichloroethane
 Concen: 1.228 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV011732.D
 Acq: 24 Jun 2019 16:00

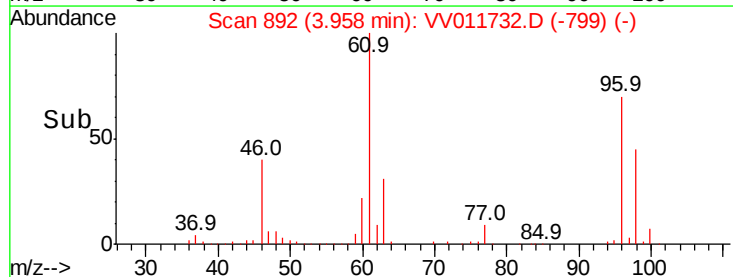
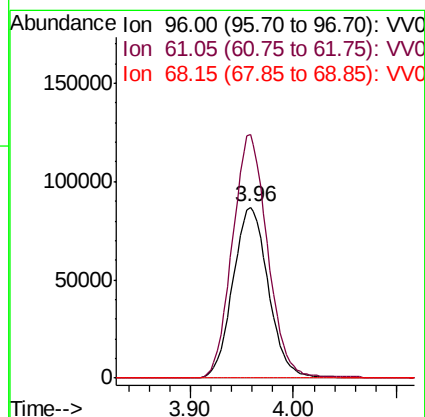
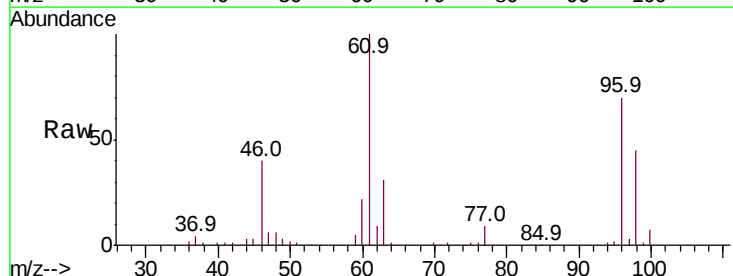
Instrument :
 MSVOA_V
 ClientSampleId :

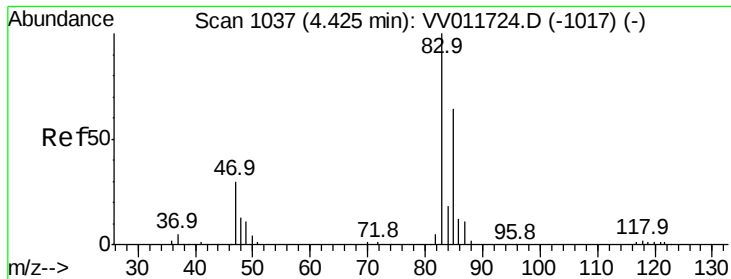
Tot Ion:	63	Resp:	29088
Ion	Ratio	Lower	Upper
63	100		
65	32.7	23.0	42.8
83	14.4	9.5	17.7



#22
 cis-1,2-Dichloroethene
 Concen: 15.872 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV011732.D
 Acq: 24 Jun 2019 16:00

Tgt Ion:	96	Resp:	207921
Ion	Ratio	Lower	Upper
96	100		
61	142.2	97.9	181.7
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.210 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

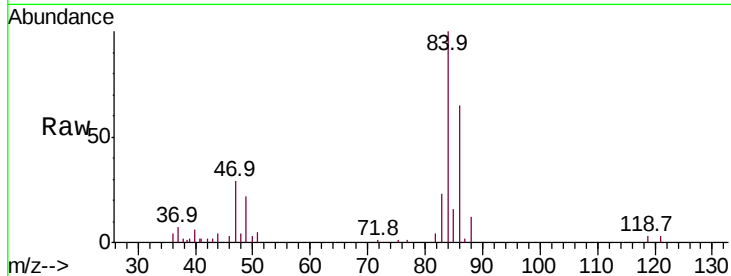
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 5461

Ion Ratio Lower Upper

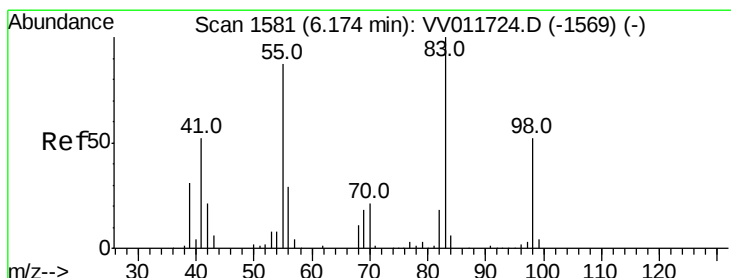
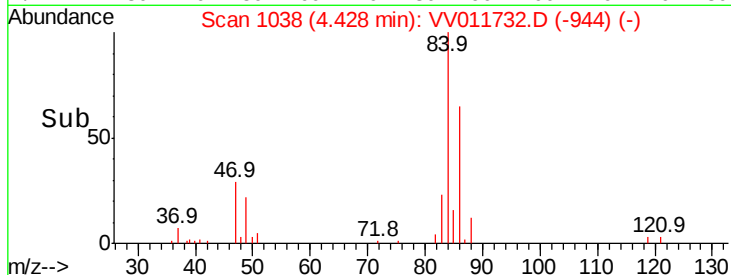
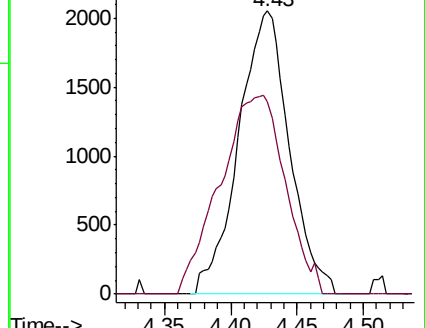
83 100

85 67.9 47.0 87.2



Abundance Ion 83.05 (82.75 to 83.75): VV011732.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV011732.D (-944) (-)



#35

Methylcyclohexane

Concen: 0.795 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

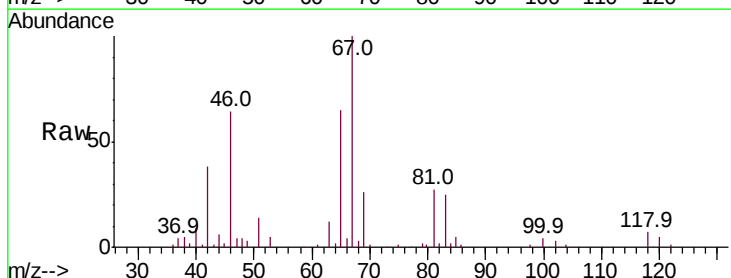
Tgt Ion: 83 Resp: 17052

Ion Ratio Lower Upper

83 100

55 0.0 69.4 104.2#

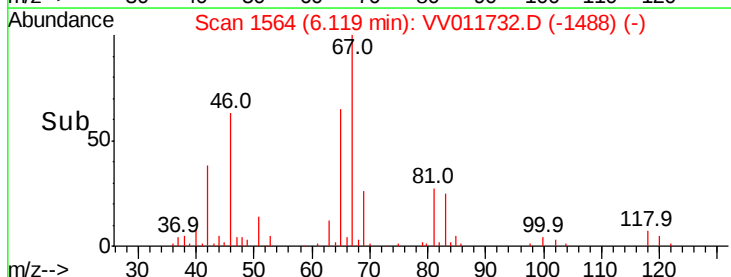
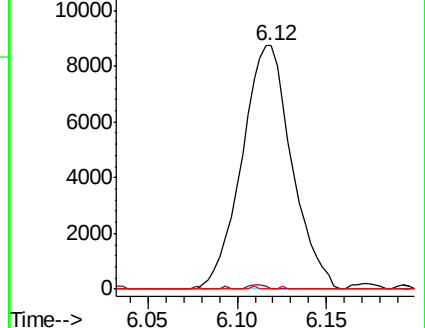
98 0.1 40.2 60.4#

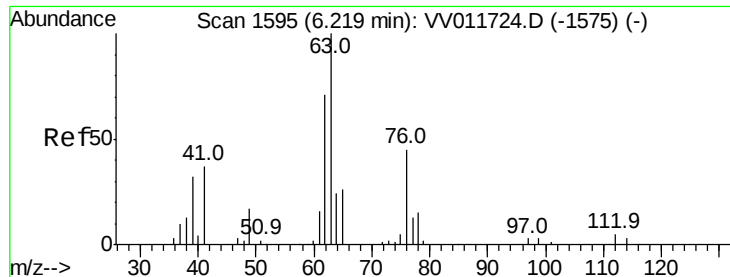


Abundance Ion 83.15 (82.85 to 83.85): VV011732.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV011732.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV011732.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.672 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

Instrument :

MSVOA_V

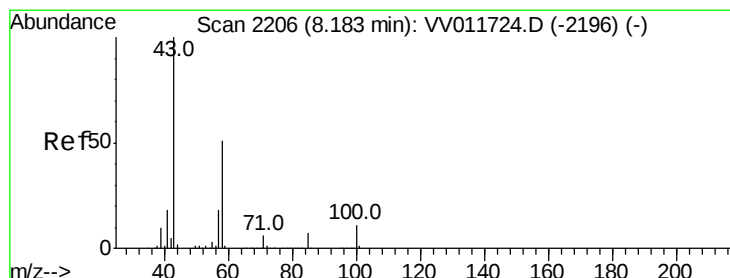
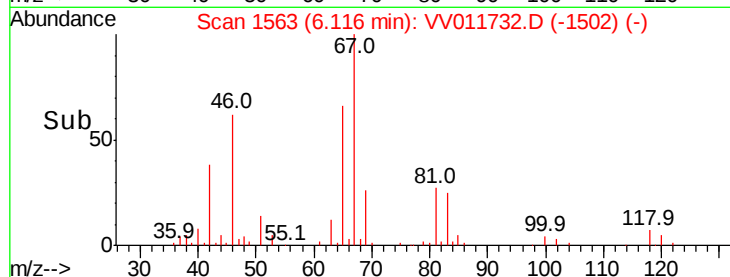
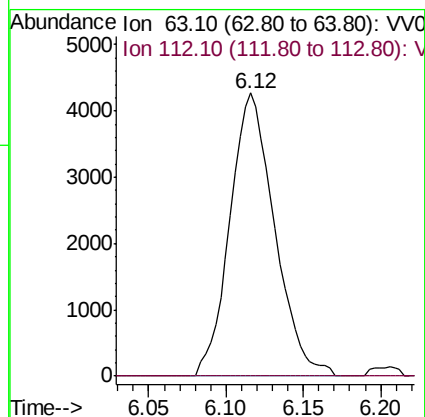
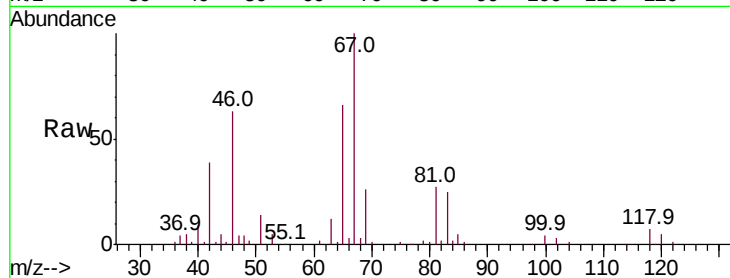
ClientSampleId :

Tot Ion: 63 Resp: 8547

Ion Ratio Lower Upper

63 100

112 0.5 3.4 5.2#



#48

2-Hexanone

Concen: 3.056 ug/L

RT: 8.13 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

Tgt Ion: 43 Resp: 17151

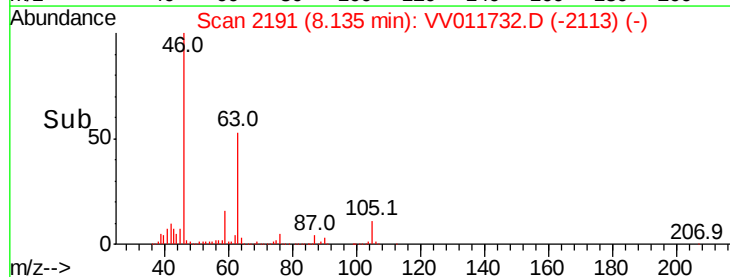
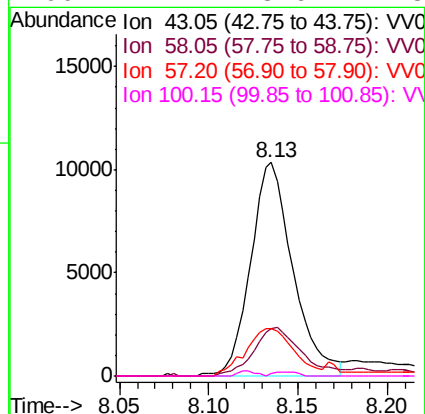
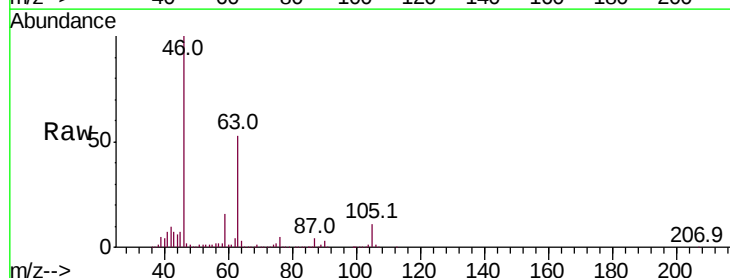
Ion Ratio Lower Upper

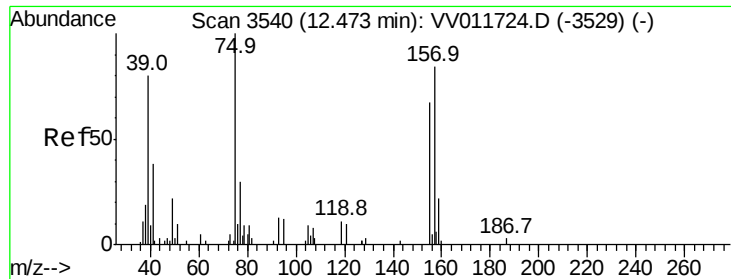
43 100

58 25.3 40.1 60.1#

57 25.3 14.4 21.6#

100 1.1 8.6 12.8#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.185 ug/L

RT: 12.30 min Scan# 3485

Delta R.T. -0.18 min

Lab File: VV011732.D

Acq: 24 Jun 2019 16:00

Instrument :

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ClientSampleId :

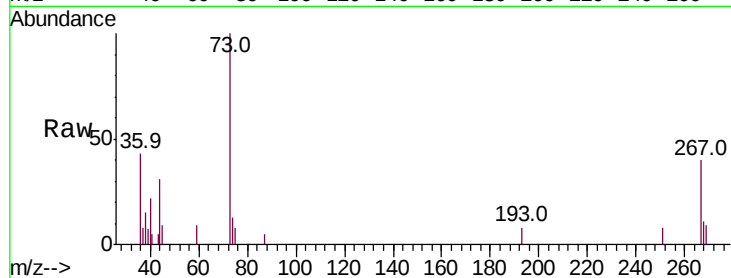
Tot Ion: 75 Resp: 216

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 77.5 116.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

