

Data File : VV011573.D
Acq On : 18 Jun 2019 14:16
Operator : SY/MD
Sample : K3365-05DL 10X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM62DL

Quant Time: Jun 19 02:11:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168846	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	157250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57234	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	41417	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.12	63	98789	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	3.96	46	174151	48.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.10%
24) Chloroform-d	4.40	84	121573	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.08	65	70747	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.09	84	243333	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.12	67	76787	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.36	98	208752	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.66	79	23539	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	133108	46.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50459	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	66723	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

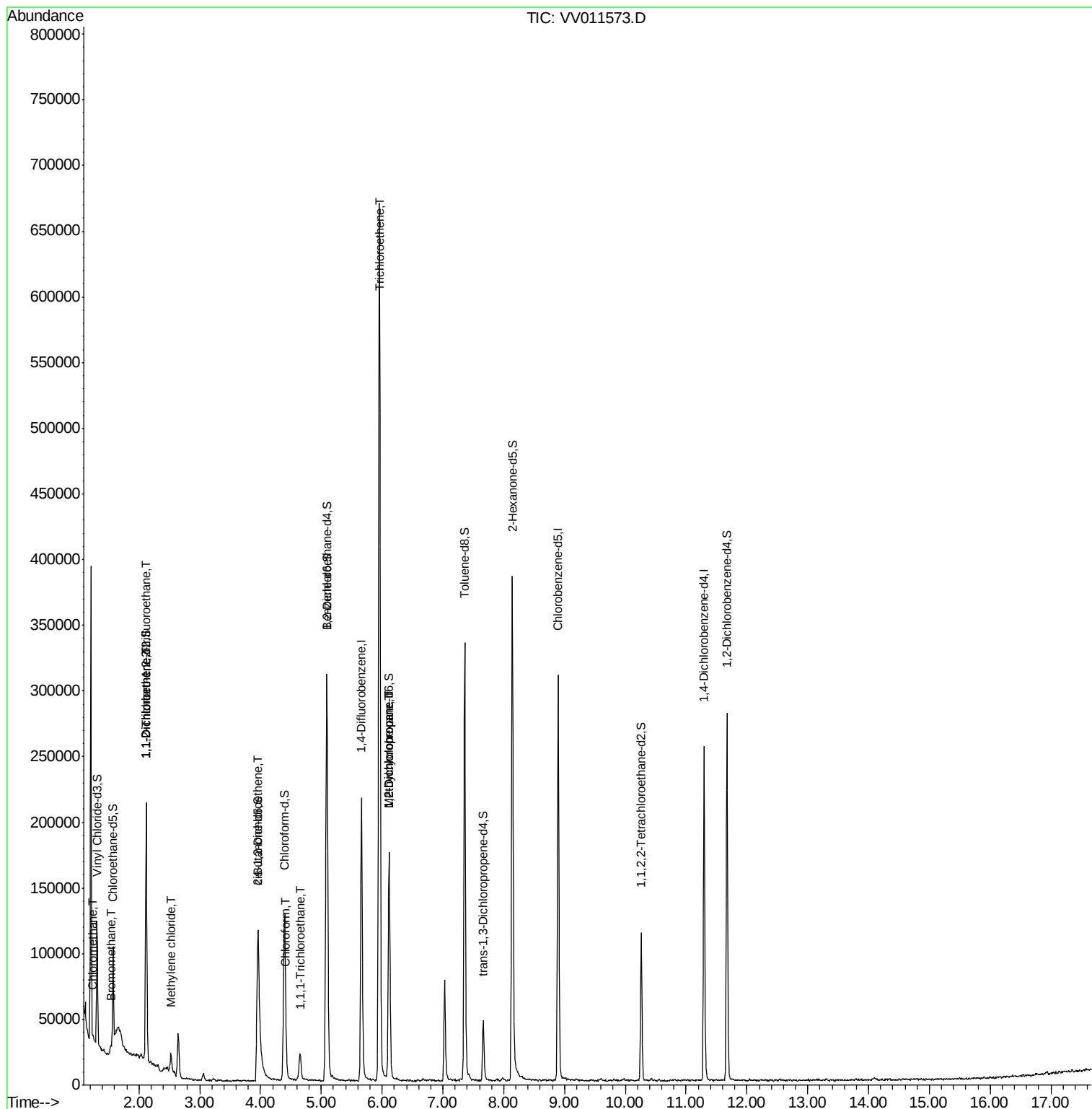
						Qvalue
3) Chloromethane	1.25	50	2461	0.151	ug/L	98
6) Bromomethane	1.54	94	1165	0.173	ug/L	82
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	955	0.094	ug/L #	24
12) 1,1-Dichloroethene	2.13	96	12336	1.175	ug/L #	1
16) Methylene chloride	2.53	84	5170	0.433	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	14514	1.079	ug/L	99
25) Chloroform	4.43	83	3293	0.134	ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	14188	0.725	ug/L	96
34) Trichloroethene	5.96	95	223065	17.030	ug/L	98
35) Methylcyclohexane	6.11	83	18263	0.978	ug/L #	16
37) 1,2-Dichloropropane	6.11	63	9742	0.713	ug/L #	86

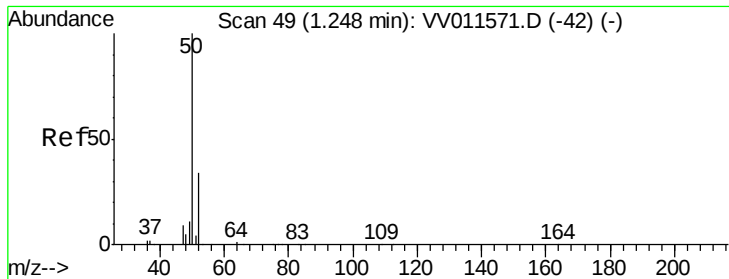
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.151 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

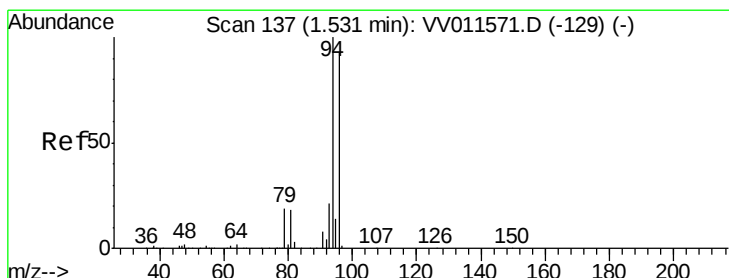
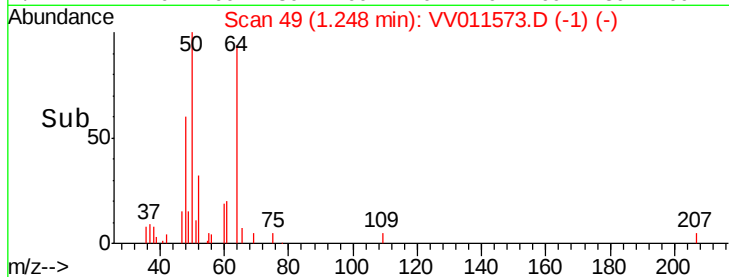
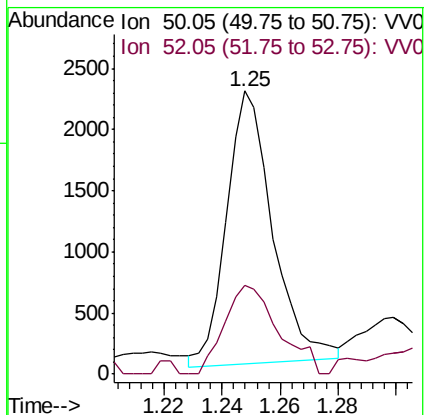
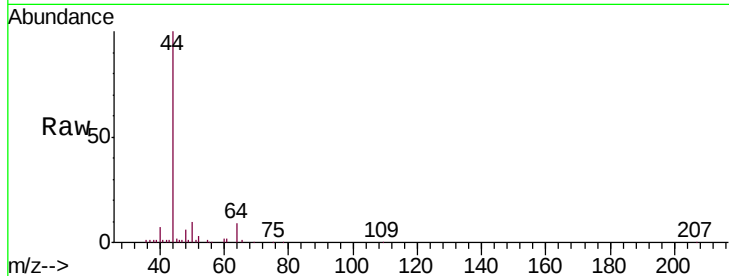
C0M62DL

Tgt Ion: 50 Resp: 2461

Ion Ratio Lower Upper

50 100

52 31.5 22.7 42.1



#6

Bromomethane

Concen: 0.173 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV011573.D

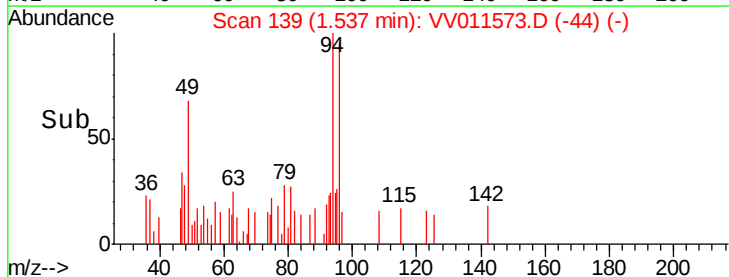
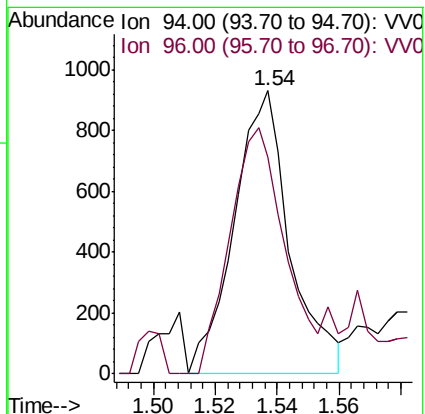
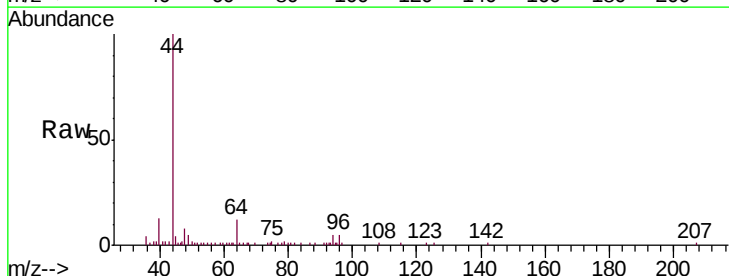
Acq: 18 Jun 2019 14:16

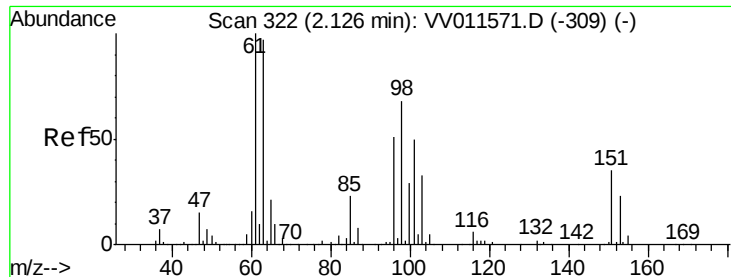
Tgt Ion: 94 Resp: 1165

Ion Ratio Lower Upper

94 100

96 76.5 65.5 121.7





#10

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

Concen: 0.094 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV011573.D

Acq: 18 Jun 2019 14:16

Instrument :

MSVOA_V

ClientSampleId :

C0M62DL

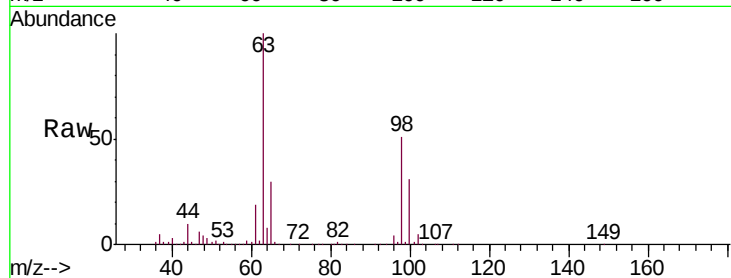
Tgt Ion: 101 Resp: 955

Ion Ratio Lower Upper

101 100

85 8.1 37.3 55.9#

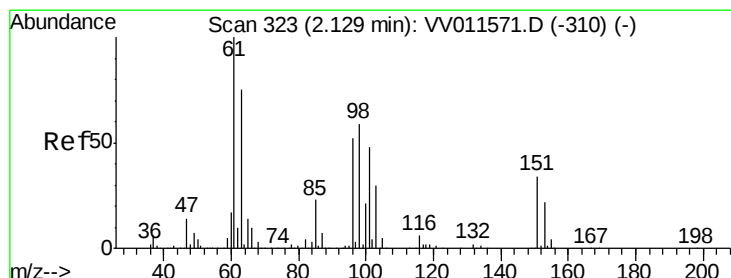
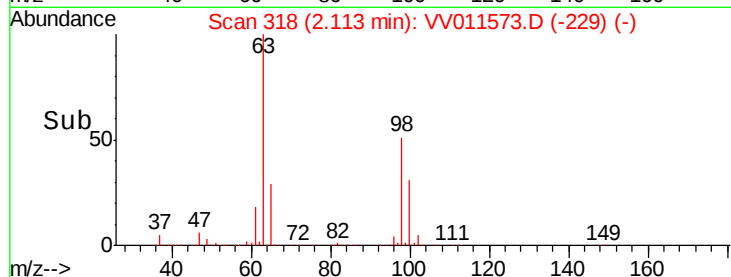
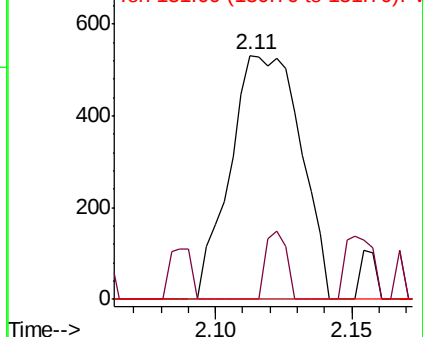
151 0.0 59.4 89.2#



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: 1.175 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011573.D

Acq: 18 Jun 2019 14:16

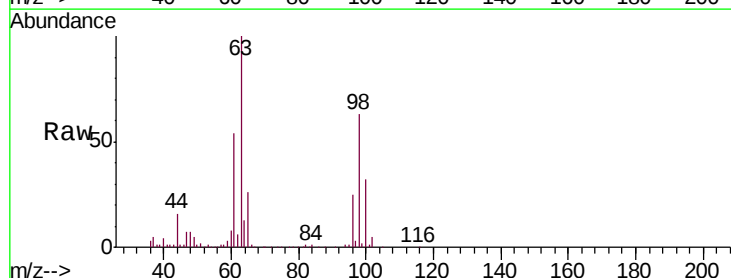
Tgt Ion: 96 Resp: 12336

Ion Ratio Lower Upper

96 100

61 215.3 135.9 252.5

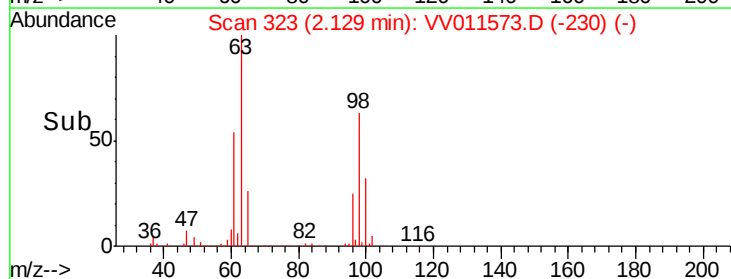
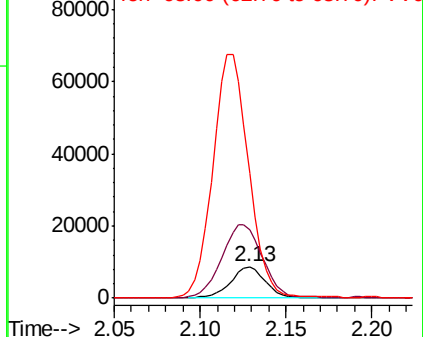
63 395.7 86.2 160.2#

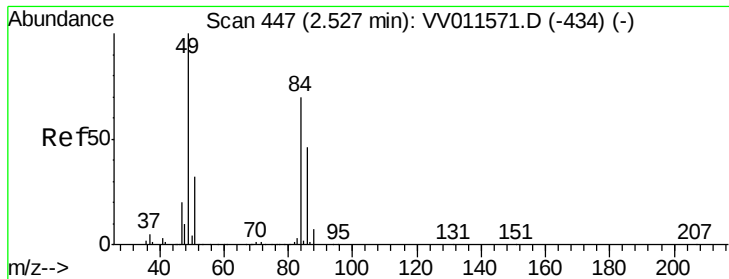


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

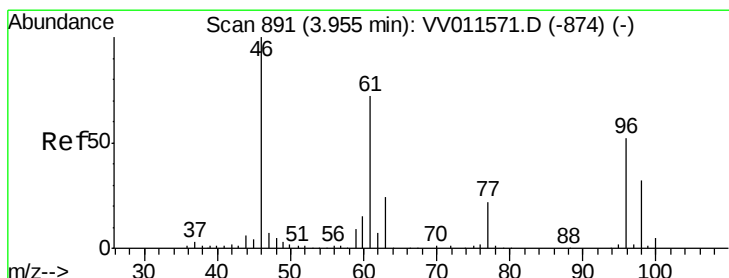
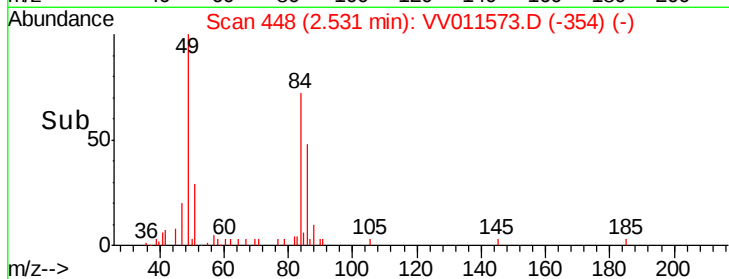
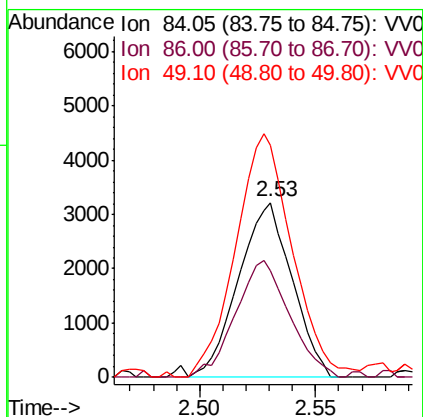
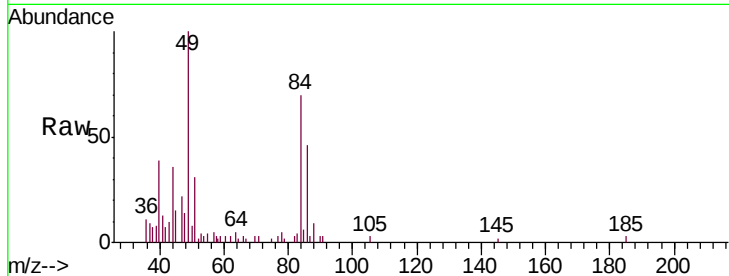




#16
Methylene chloride
Concen: 0.433 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011573.D
Acq: 18 Jun 2019 14:16

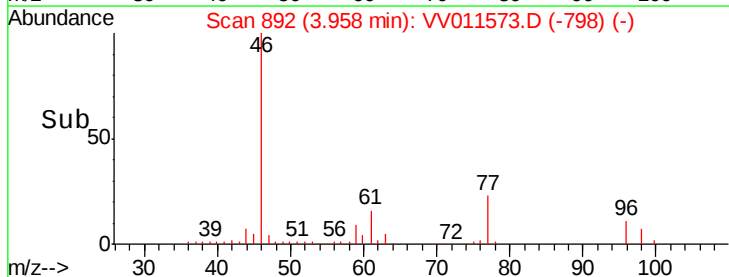
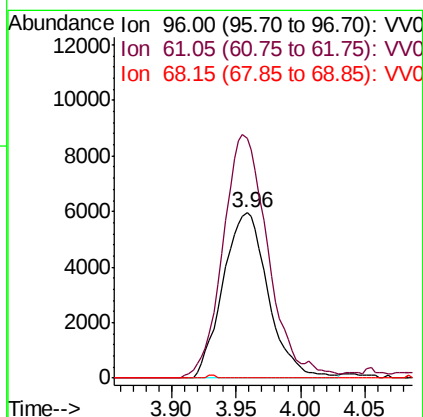
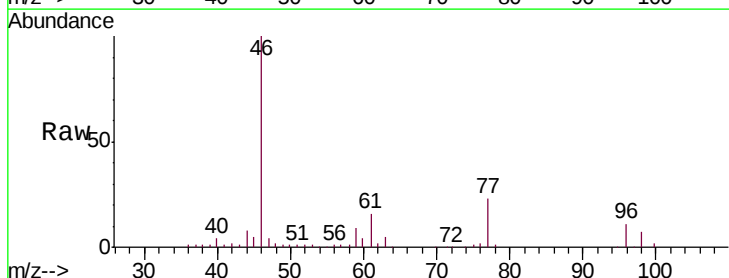
Instrument :
MSVOA_V
ClientSampleId :
COM62DL

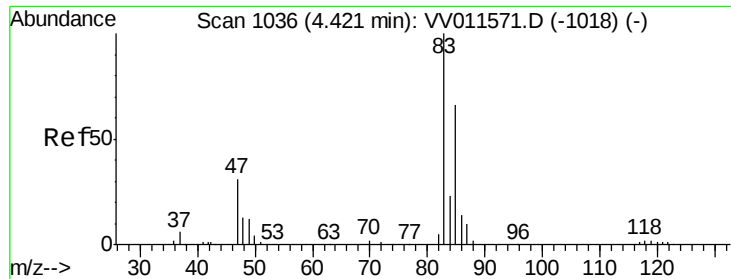
Tgt Ion: 84 Resp: 5170
Ion Ratio Lower Upper
84 100
86 61.1 42.5 78.9
49 132.7 97.7 181.5



#22
cis-1,2-Dichloroethene
Concen: 1.079 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011573.D
Acq: 18 Jun 2019 14:16

Tgt Ion: 96 Resp: 14514
Ion Ratio Lower Upper
96 100
61 145.0 102.2 189.8
68 0.0 0.0 0.0

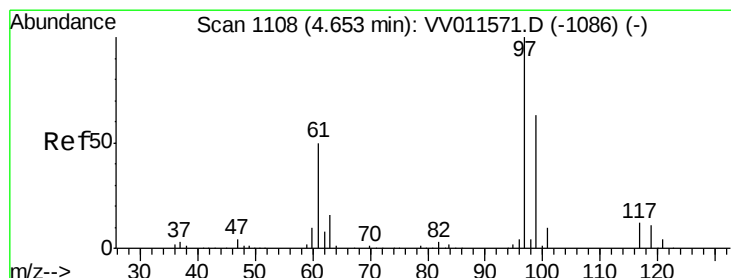
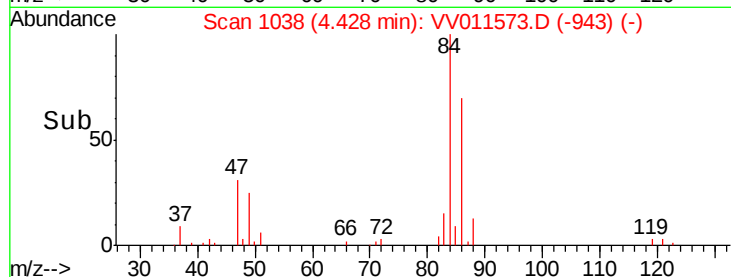
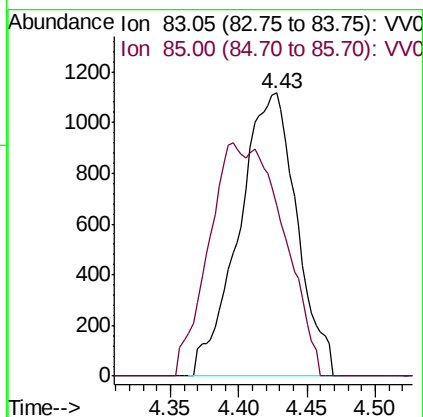
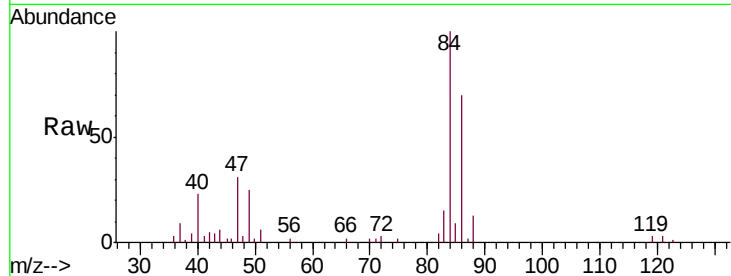




#25
Chloroform
Concen: 0.134 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV011573.D
Acq: 18 Jun 2019 14:16

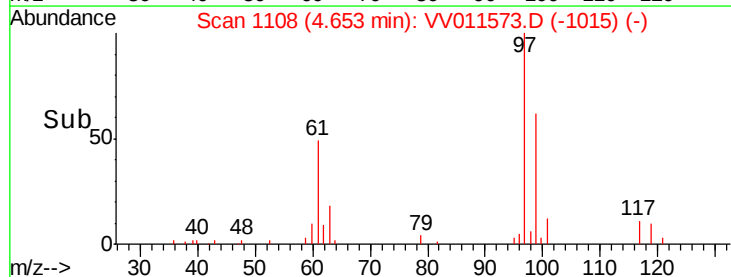
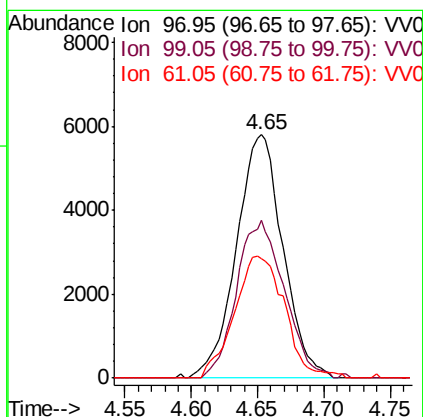
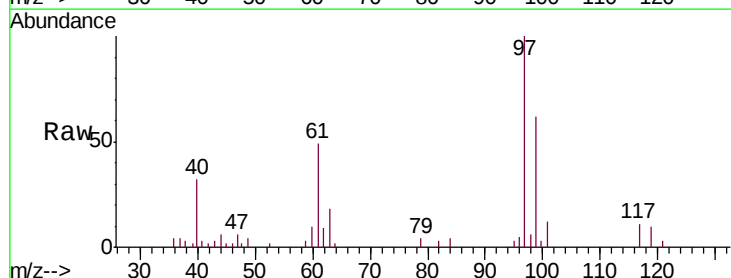
Instrument :
MSVOA_V
ClientSampled :
COM62DL

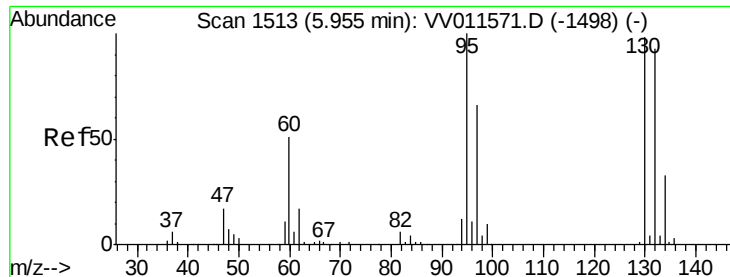
Tgt Ion: 83 Resp: 3293
Ion Ratio Lower Upper
83 100
85 60.1 44.6 82.8



#29
1,1,1-Trichloroethane
Concen: 0.725 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011573.D
Acq: 18 Jun 2019 14:16

Tgt Ion: 97 Resp: 14188
Ion Ratio Lower Upper
97 100
99 66.2 51.6 77.4
61 54.2 40.4 60.6

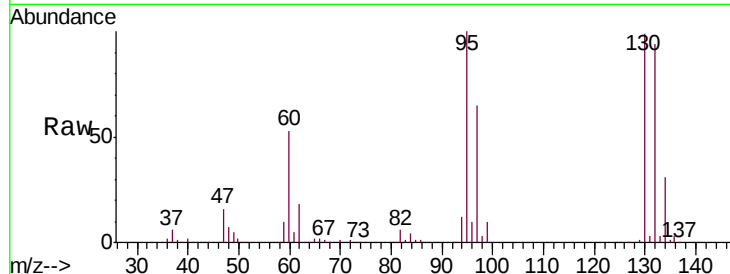




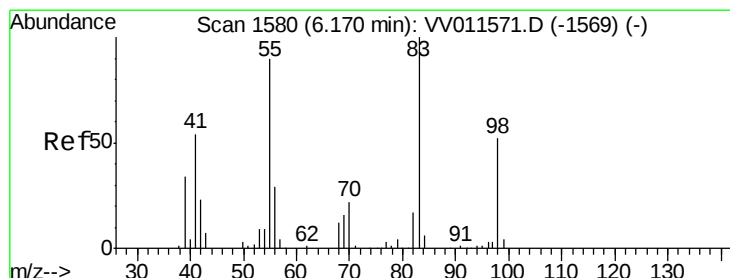
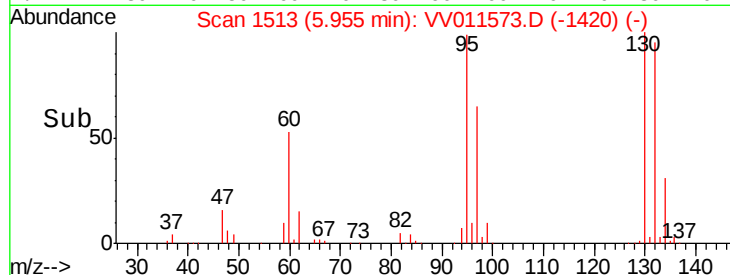
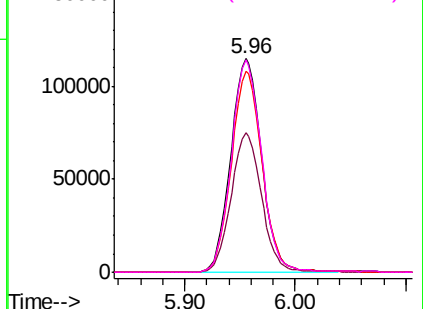
#34
 Trichloroethene
 Concen: 17.030 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011573.D
 Acq: 18 Jun 2019 14:16

Instrument :
 MSVOA_V
 ClientSampleId :
 COM62DL

Tgt Ion: 95 Resp: 223065
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.4 82.4
 132 94.4 63.5 117.9
 130 99.3 68.5 127.3

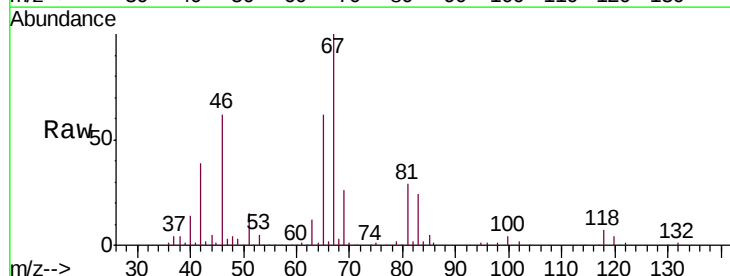


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

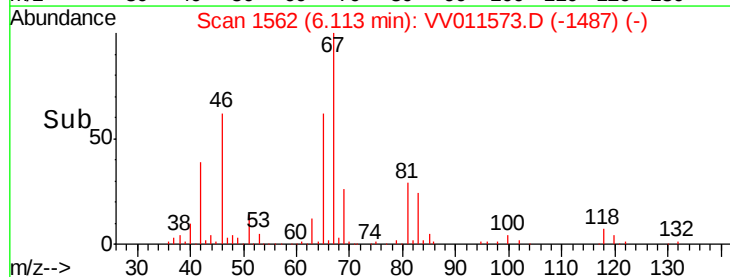
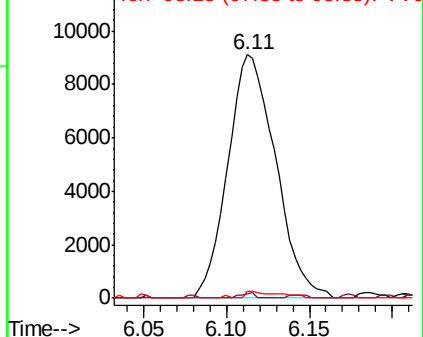


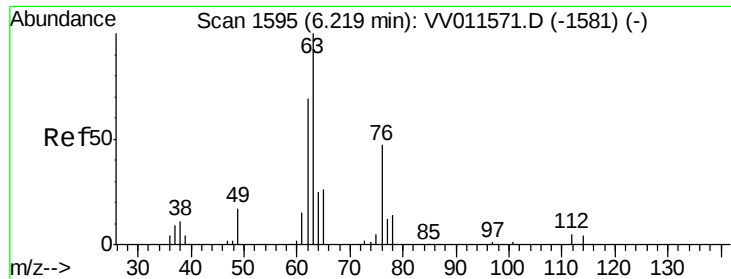
#35
 Methylcyclohexane
 Concen: 0.978 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV011573.D
 Acq: 18 Jun 2019 14:16

Tgt Ion: 83 Resp: 18263
 Ion Ratio Lower Upper
 83 100
 55 0.6 67.9 101.9#
 98 1.9 39.6 59.4#



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: 0.713 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV011573.D
 Acq: 18 Jun 2019 14:16

Instrument :
 MSVOA_V
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Tgt Ion: 63 Resp: 9742
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#

