

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015686.D
 Acq On : 24 Apr 2020 20:01
 Operator : SY/MD
 Sample : L2388-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:23:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	125713	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	121153	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29169	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	28980	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	45580	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.90	46	103777	49.20	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	4.38	84	72597	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	42383	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.08	84	135698	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.09	67	43425	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.34	98	123090	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.65	79	12229	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.11	63	79990	45.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32099	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	48477	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

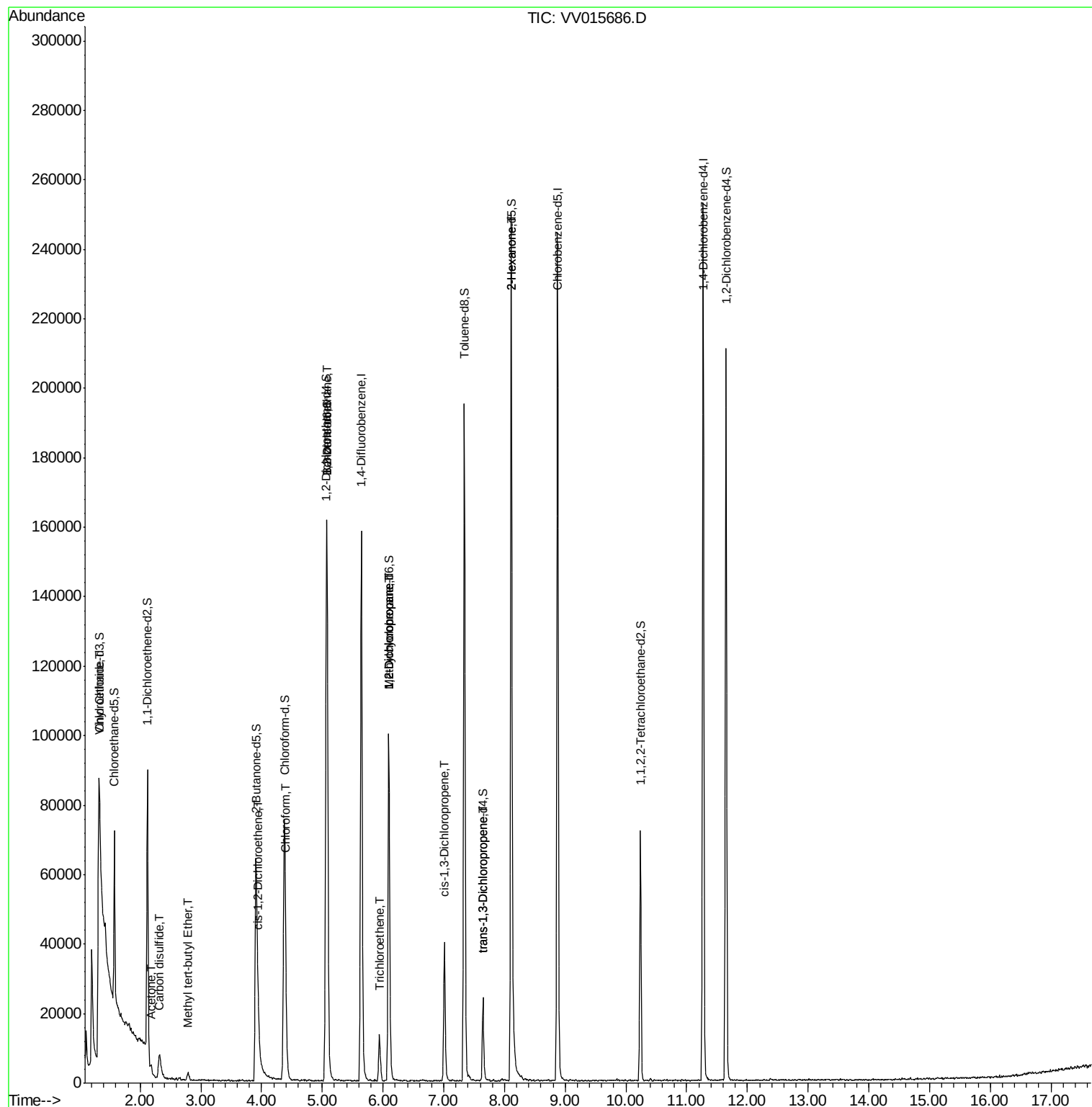
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.33	64	153057	23.424	ug/L #	51
13) Acetone	2.18	43	3335	2.277	ug/L	96
14) Carbon disulfide	2.31	76	848	0.041	ug/L #	75
17) Methyl tert-butyl Ether	2.79	73	1980	0.096	ug/L #	77
22) cis-1,2-Dichloroethene	3.95	96	1045	0.115	ug/L	81
25) Chloroform	4.40	83	8930	0.523	ug/L	94
27) 1,2-Dichloroethane	5.07	62	921	0.082	ug/L #	78
34) Trichloroethene	5.94	95	4490	0.470	ug/L	94
35) Methylcyclohexane	6.09	83	10950	0.746	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5499	0.625	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1166	0.095	ug/L #	63
44) trans-1,3-Dichloropropene	7.65	75	675	0.065	ug/L #	64
48) 2-Hexanone	8.11	43	11909	2.925	ug/L #	75

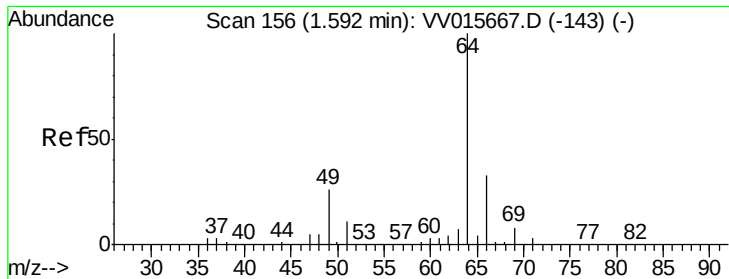
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 23.424 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.26 min

Lab File: VV015686.D

Acq: 24 Apr 2020 20:01

Instrument :

MSVOA_V

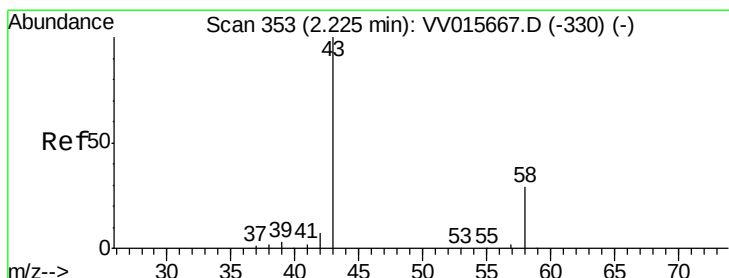
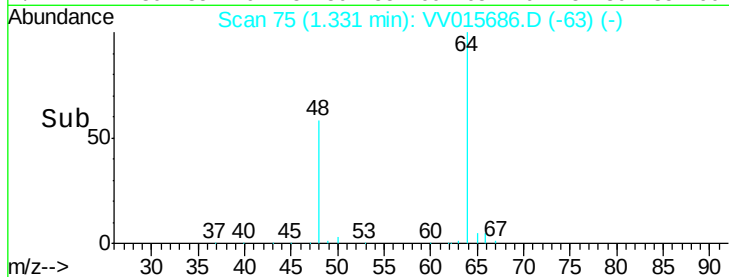
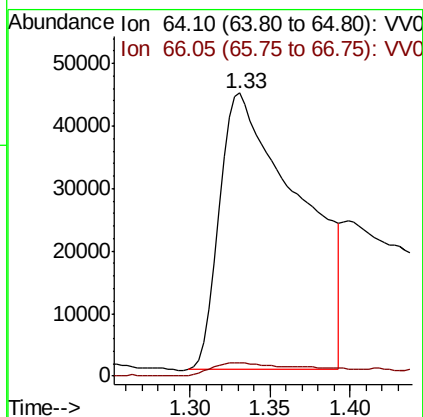
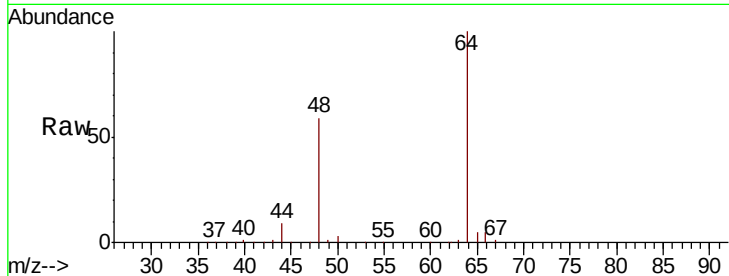
ClientSampled :

Tot Ion: 64 Resp: 153057

Ion Ratio Lower Upper

64 100

66 4.6 22.3 41.5#



#13

Acetone

Concen: 2.277 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV015686.D

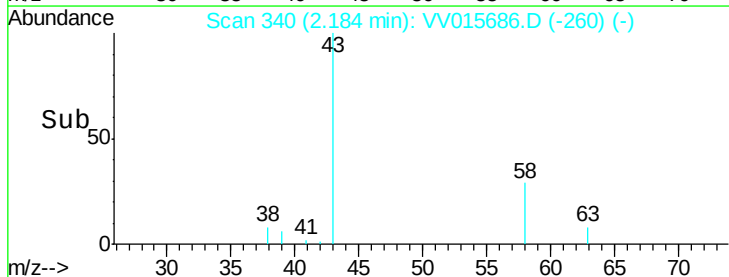
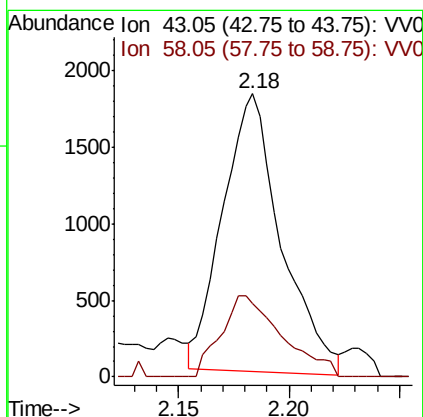
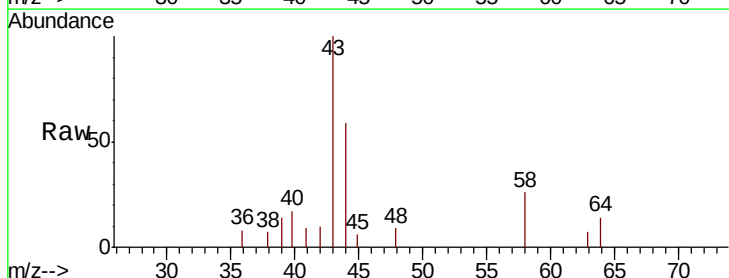
Acq: 24 Apr 2020 20:01

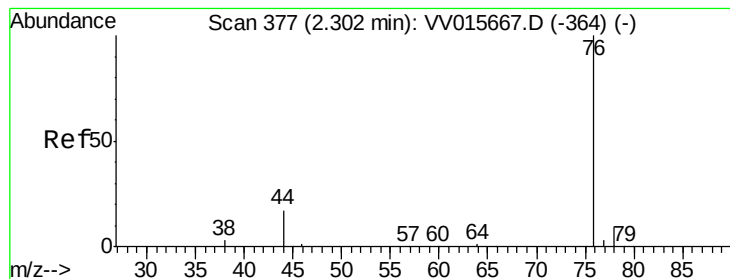
Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

58 30.7 0.0 57.6





#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015686.D

Acq: 24 Apr 2020 20:01

Instrument :

MSVOA_V

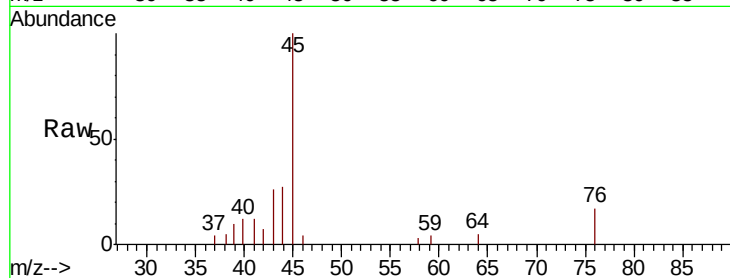
ClientSampled :

Tot Ion: 76 Resp: 848

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

600

500

400

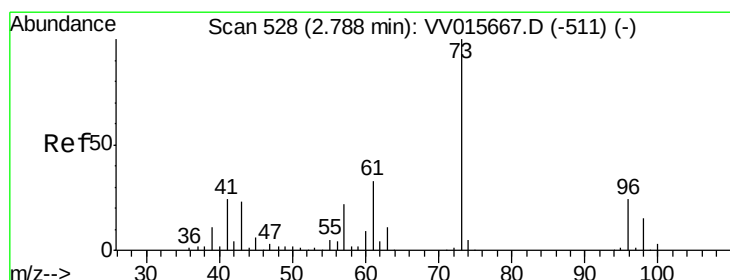
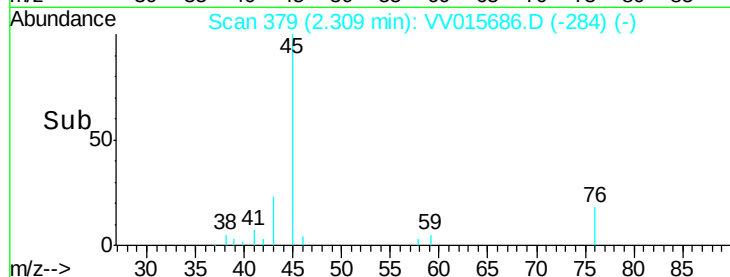
300

200

100

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.096 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015686.D

Acq: 24 Apr 2020 20:01

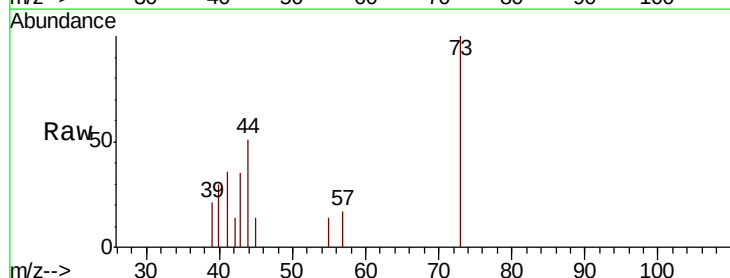
Tgt Ion: 73 Resp: 1980

Ion Ratio Lower Upper

73 100

43 38.6 20.1 30.1#

57 13.6 17.8 26.8#



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

1200

1000

800

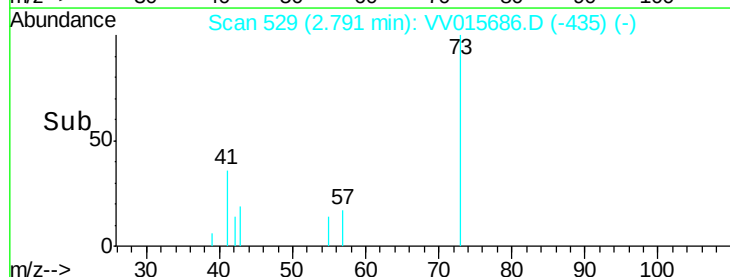
600

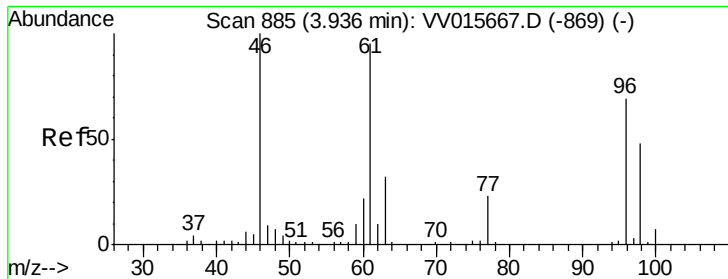
400

200

0

Time-->



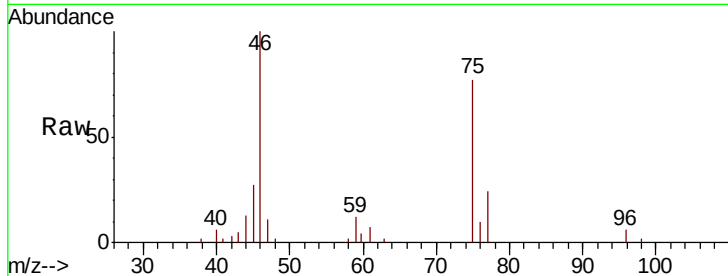


#22

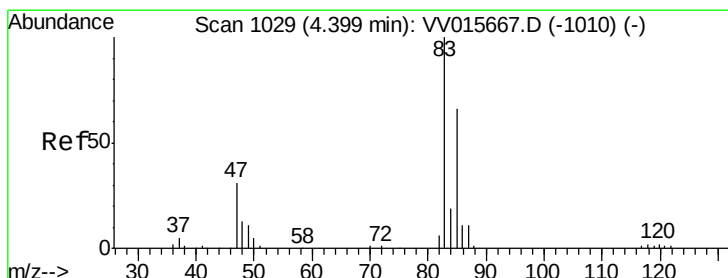
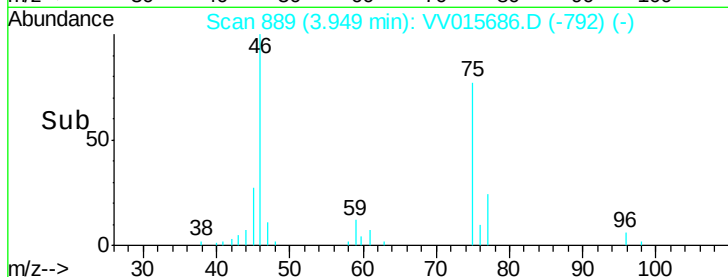
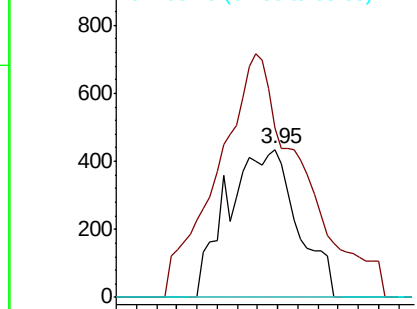
cis-1,2-Dichloroethene
Concen: 0.115 ug/L
RT: 3.95 min Scan# 889
Delta R.T. 0.01 min
Lab File: VV015686.D
Acq: 24 Apr 2020 20:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 1045
Ion Ratio Lower Upper
96 100
61 114.9 96.4 179.0
68 0.0 0.0 0.0



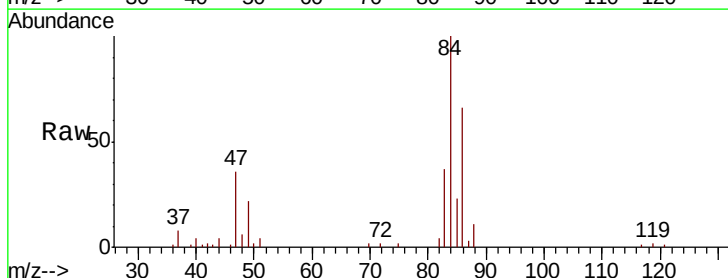
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



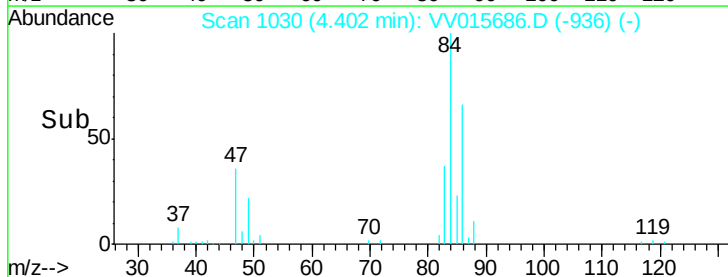
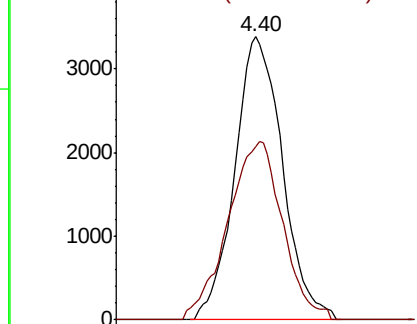
#25

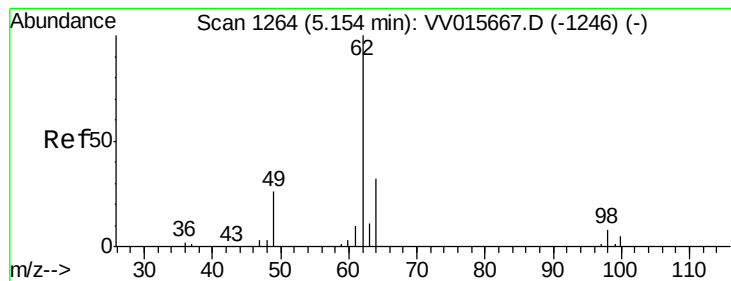
Chloroform
Concen: 0.523 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015686.D
Acq: 24 Apr 2020 20:01

Tgt Ion: 83 Resp: 8930
Ion Ratio Lower Upper
83 100
85 61.1 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.082 ug/L

RT: 5.07 min Scan# 1237

Delta R.T. -0.09 min

Lab File: VV015686.D

Acq: 24 Apr 2020 20:01

Instrument :

MSVOA_V

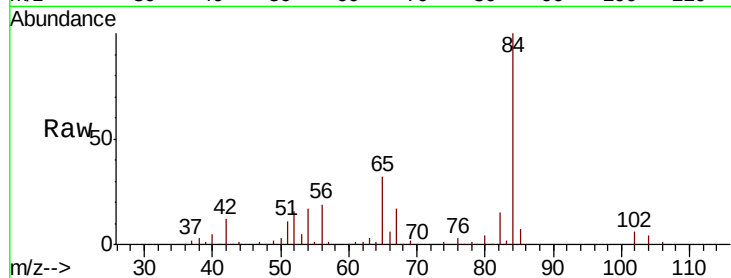
ClientSampleId :

Tot Ion: 62 Resp: 921

Ion Ratio Lower Upper

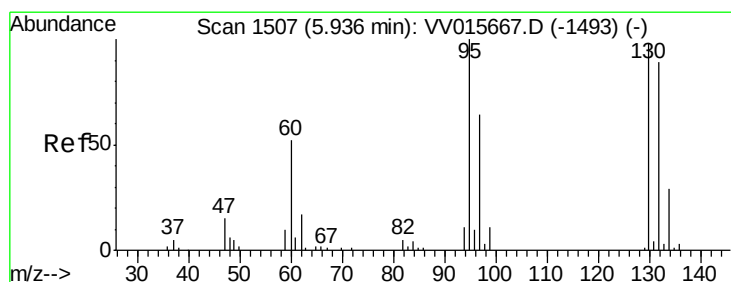
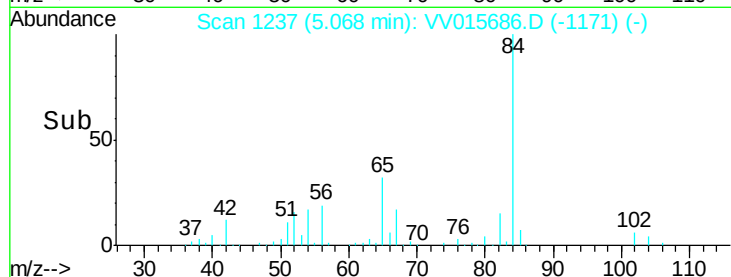
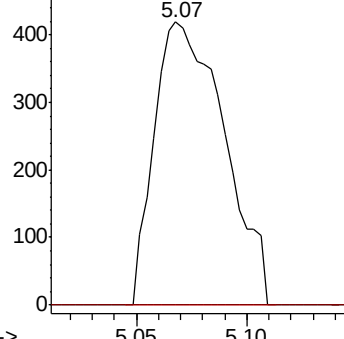
62 100

98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#34

Trichloroethene

Concen: 0.470 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015686.D

Acq: 24 Apr 2020 20:01

Tgt Ion: 95 Resp: 4490

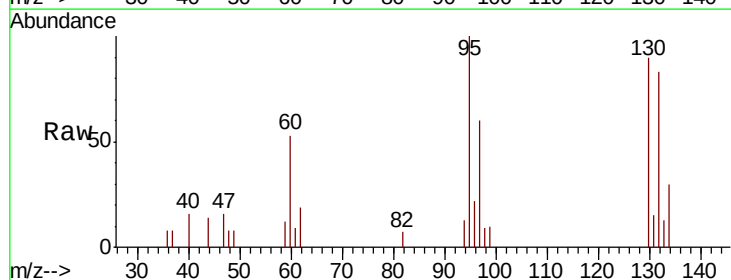
Ion Ratio Lower Upper

95 100

97 60.4 44.7 82.9

132 83.1 65.2 121.0

130 90.1 65.0 120.6

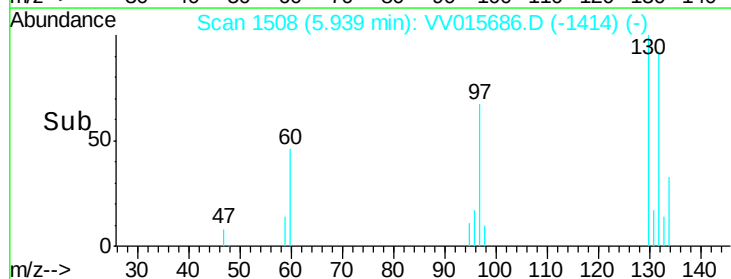
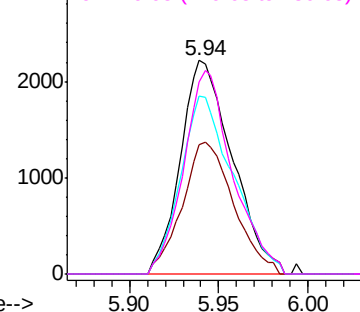


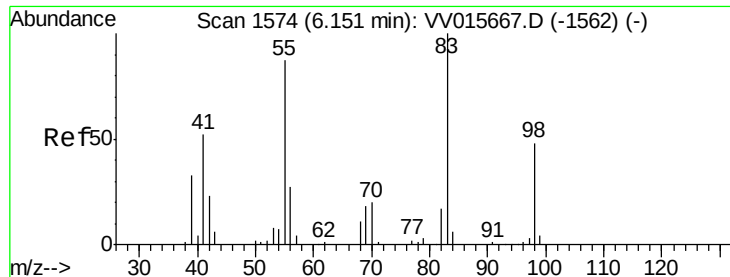
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

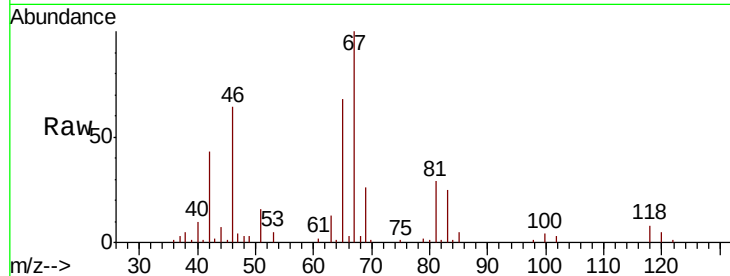




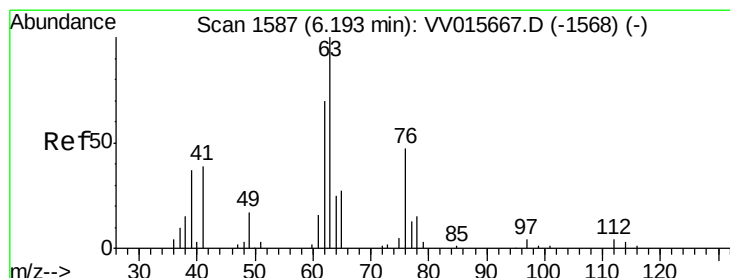
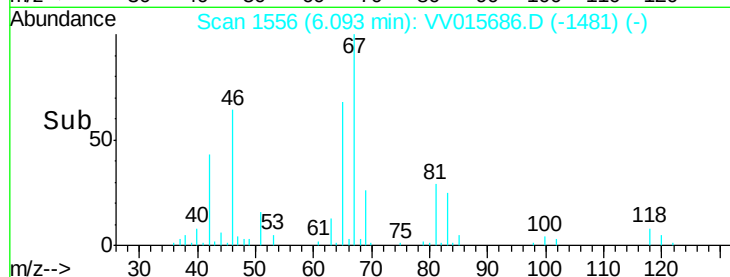
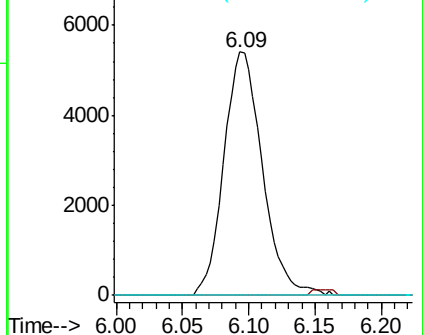
#35
Methylvlcyclohexane
Concen: 0.746 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015686.D
Acq: 24 Apr 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10950
Ion Ratio Lower Upper
83 100
55 1.2 66.6 99.8#
98 2.6 39.5 59.3#

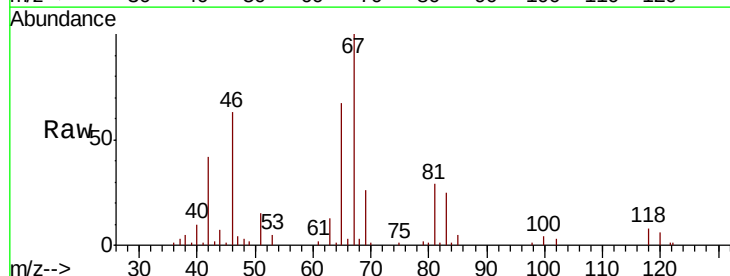


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

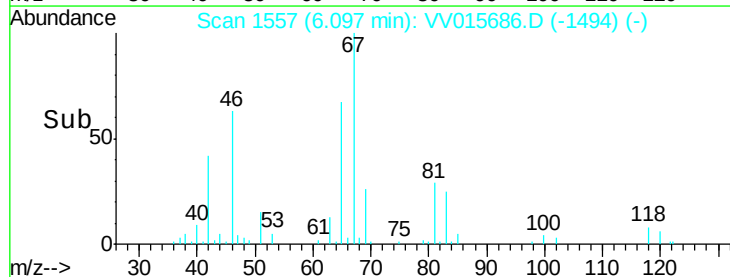
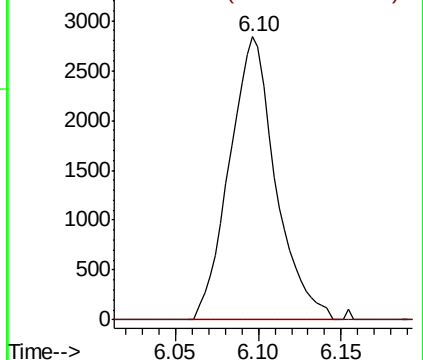


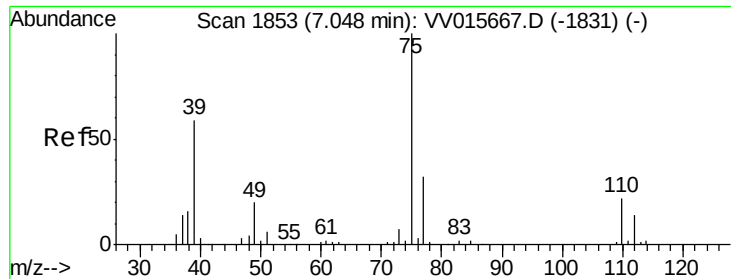
#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015686.D
Acq: 24 Apr 2020 20:01

Tgt Ion: 63 Resp: 5499
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

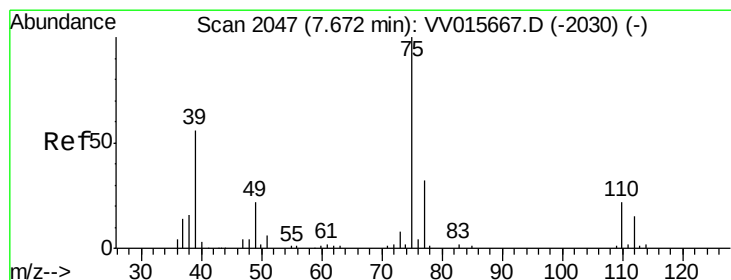
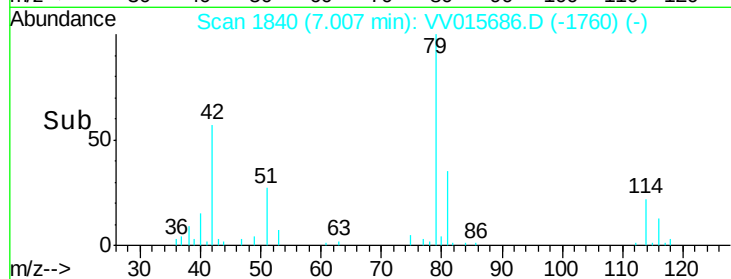
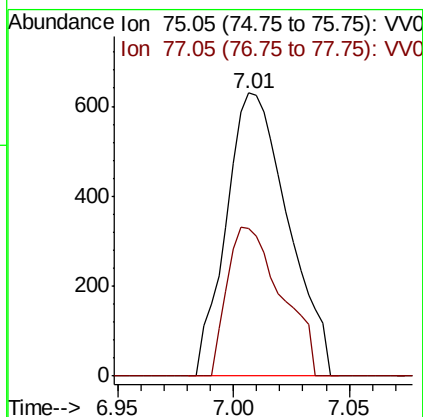
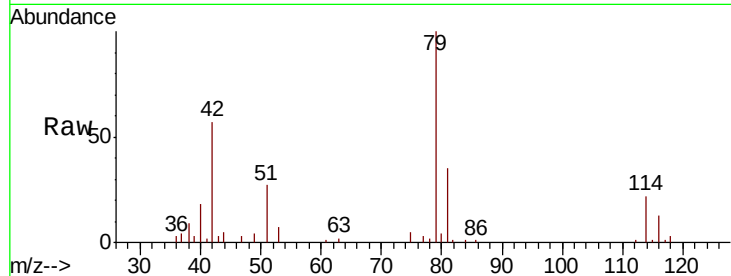




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015686.D
 Acq: 24 Apr 2020 20:01

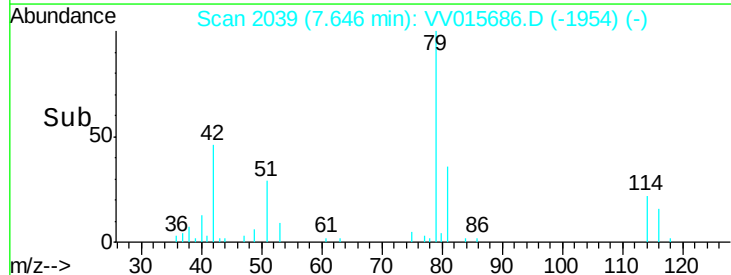
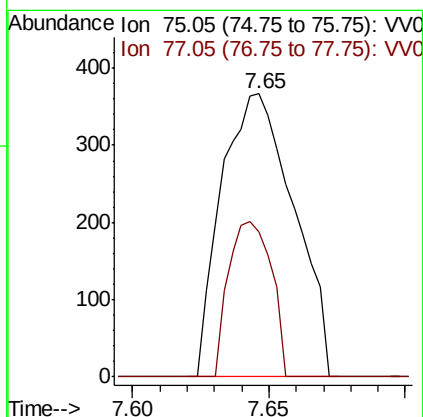
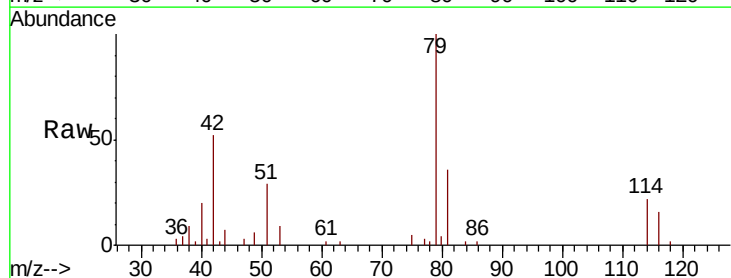
Instrument :
 MSVOA_V
 ClientSampleId :

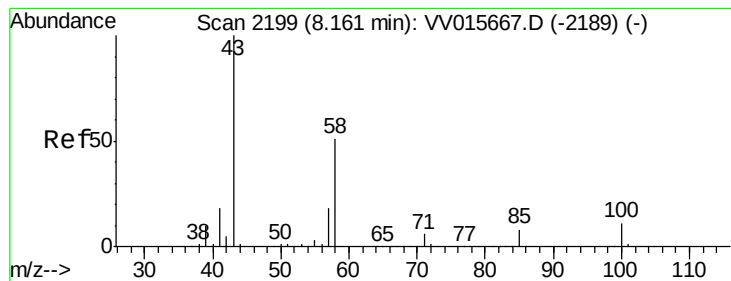
Tot Ion: 75 Resp: 1166
 Ion Ratio Lower Upper
 75 100
 77 52.3 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.065 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015686.D
 Acq: 24 Apr 2020 20:01

Tgt Ion: 75 Resp: 675
 Ion Ratio Lower Upper
 75 100
 77 51.2 21.8 40.6#





#48
 2-Hexanone
 Concen: 2.925 ug/L
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.05 min
 Lab File: VV015686.D
 Acq: 24 Apr 2020 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	43	Resp:	11909
Ion	Ratio	Lower	Upper
43	100		
58	30.5	41.1	61.7#
57	23.5	15.0	22.4#
100	0.0	9.0	13.4#

