

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\
 Data File : VV015493.D
 Acq On : 15 Apr 2020 04:08
 Operator : SY/MD
 Sample : L2274-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YAOB1

Quant Time: Apr 15 05:36:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 05:31:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	109628	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	104499	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	50809	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31404	5.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.40%
7) Chloroethane-d5	1.58	69	27965	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.12	63	44912	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.92	46	77694	48.65	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.30%
24) Chloroform-d	4.38	84	56747	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.06	65	33652	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.08	84	119383	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.10	67	37380	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	111724	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.65	79	14018	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.11	63	61519	40.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25931	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	40196	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

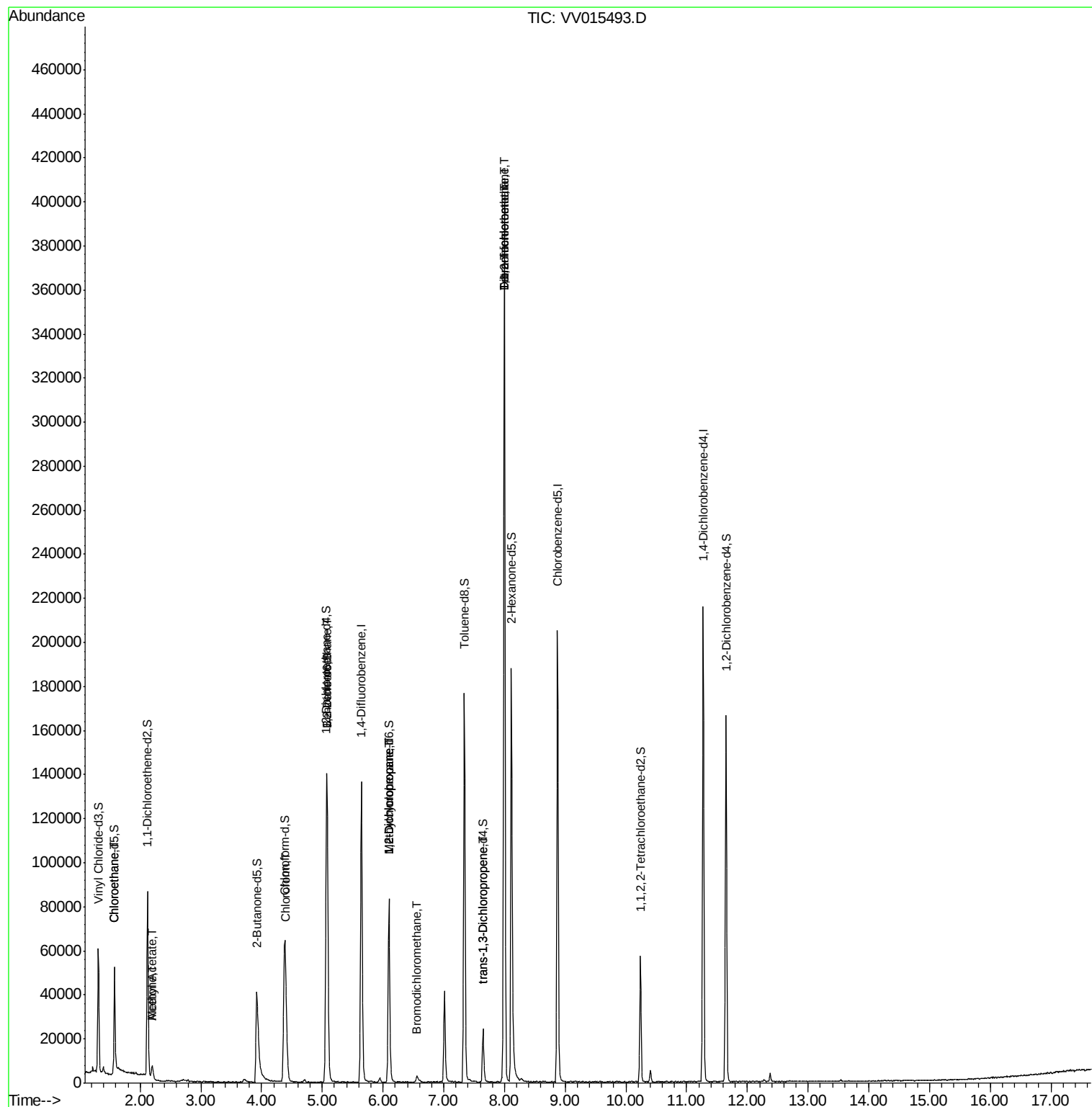
					Ovalue
8) Chloroethane	1.59	64	4084	0.708	ug/L # 53
13) Acetone	2.20	43	9377	8.310	ug/L # 44
15) Methyl Acetate	2.20	43	8901	2.666	ug/L # 57
25) Chloroform	4.41	83	22611	1.511	ug/L 99
27) 1,2-Dichloroethane	5.07	62	807	0.083	ug/L # 77
35) Methylcyclohexane	6.10	83	9141	0.644	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	4360	0.562	ug/L # 86
38) Bromodichloromethane	6.54	83	414	0.040	ug/L # 94
44) trans-1,3-Dichloropropene	7.64	75	541	0.054	ug/L 92
45) 1,1,2-Trichloroethane	7.99	97	778	0.149	ug/L # 4
47) Tetrachloroethene	8.00	164	82587	13.241	ug/L 99
49) Dibromochloromethane	8.00	129	78968	12.642	ug/L # 10

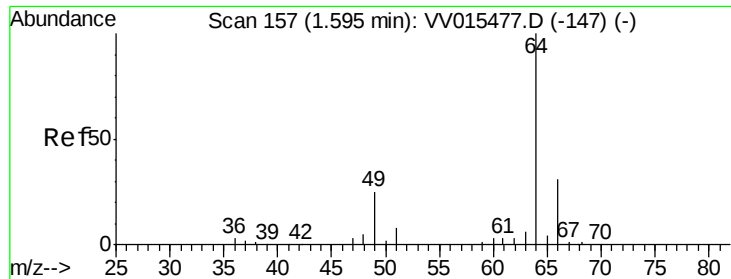
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.708 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV015493.D

Acq: 15 Apr 2020 04:08

Instrument :

MSVOA_V

ClientSampleId :

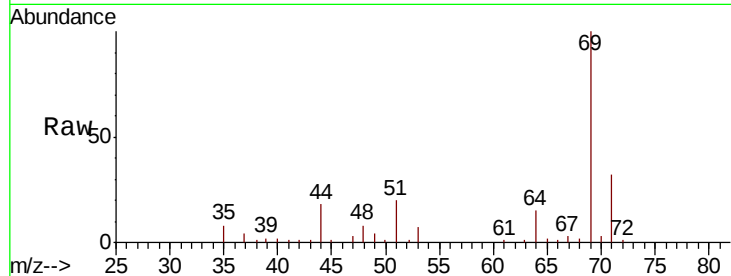
YAOB1

Tot Ion: 64 Resp: 4084

Ion Ratio Lower Upper

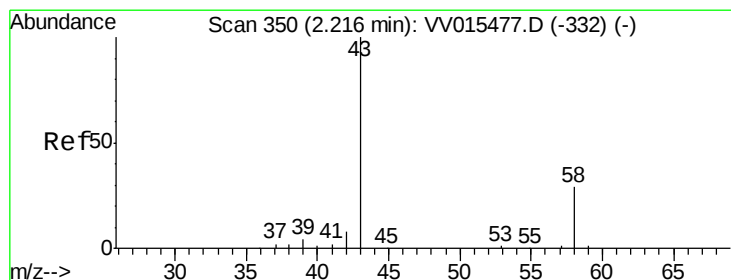
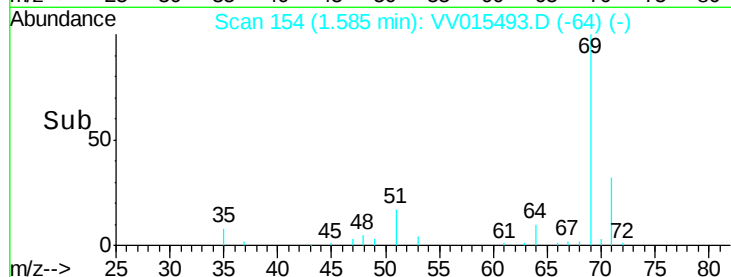
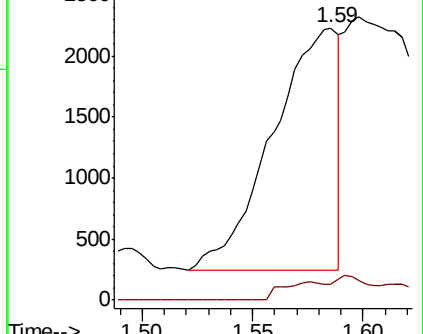
64 100

66 6.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#13

Acetone

Concen: 8.310 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV015493.D

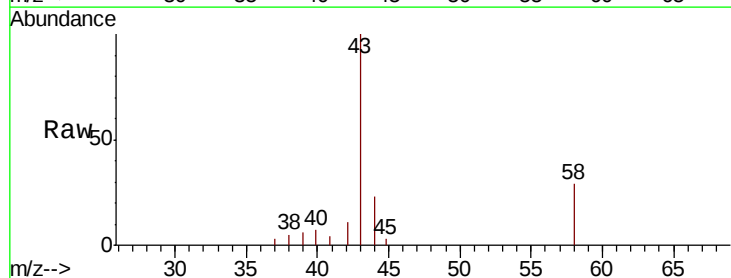
Acq: 15 Apr 2020 04:08

Tgt Ion: 43 Resp: 9377

Ion Ratio Lower Upper

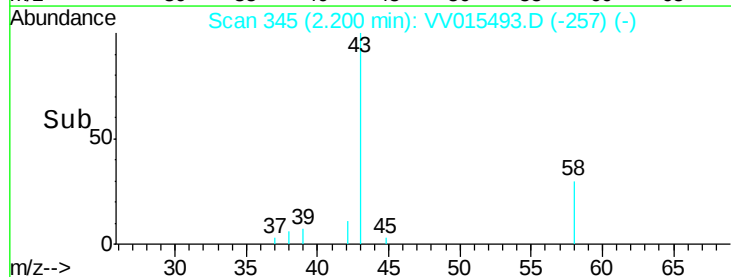
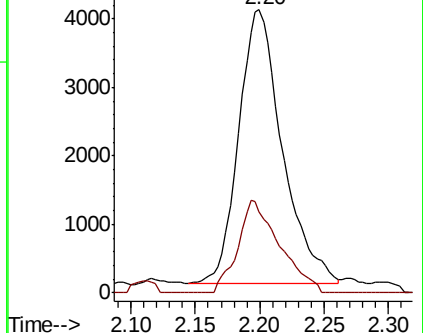
43 100

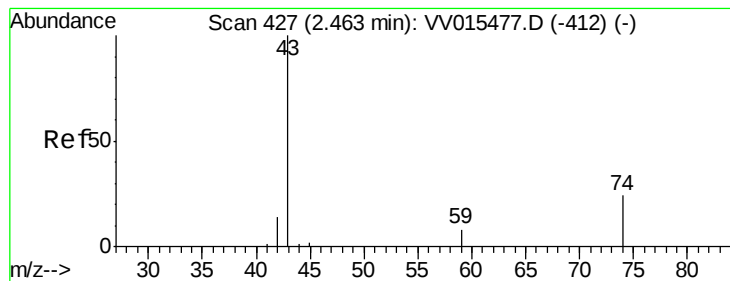
58 32.3 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methvl Acetate

Concen: 2.666 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.26 min

Lab File: VV015493.D

Acq: 15 Apr 2020 04:08

Instrument :

MSVOA_V

ClientSampleId :

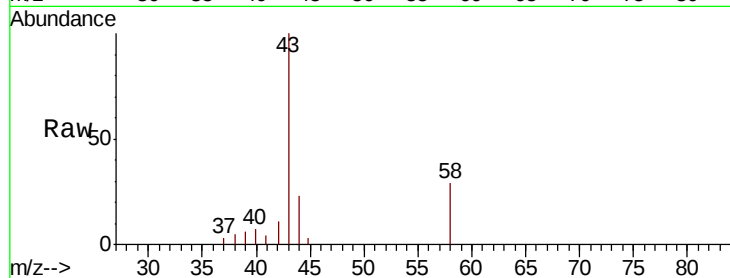
YAOB1

Tot Ion: 43 Resp: 8901

Ion Ratio Lower Upper

43 100

74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.20

4000

3000

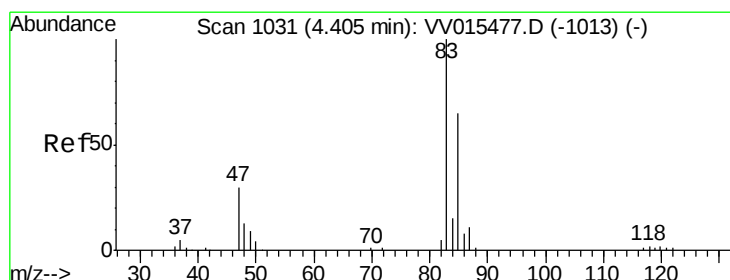
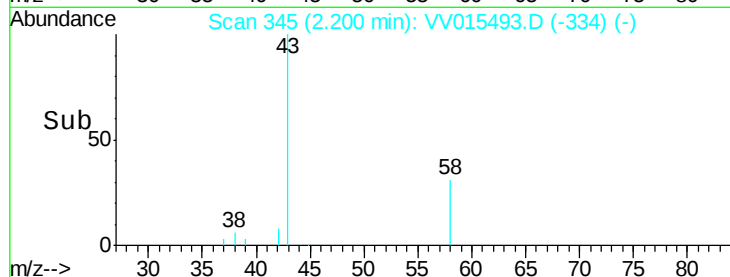
2000

1000

0

Time-->

2.15 2.20 2.25



#25

Chloroform

Concen: 1.511 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015493.D

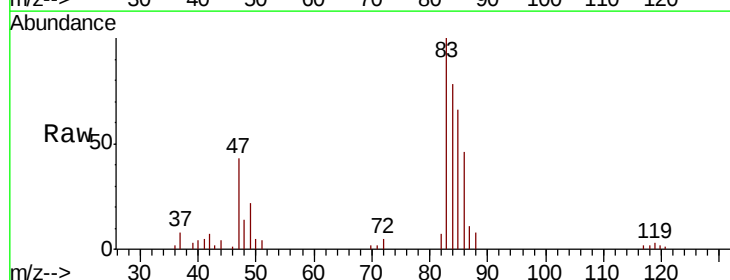
Acq: 15 Apr 2020 04:08

Tgt Ion: 83 Resp: 22611

Ion Ratio Lower Upper

83 100

85 66.5 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

10000

8000

6000

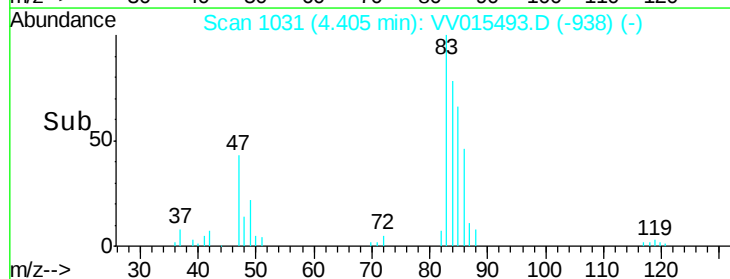
4000

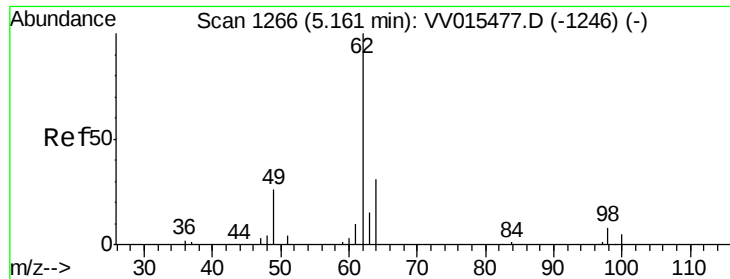
2000

0

Time-->

4.30 4.35 4.40 4.45 4.50

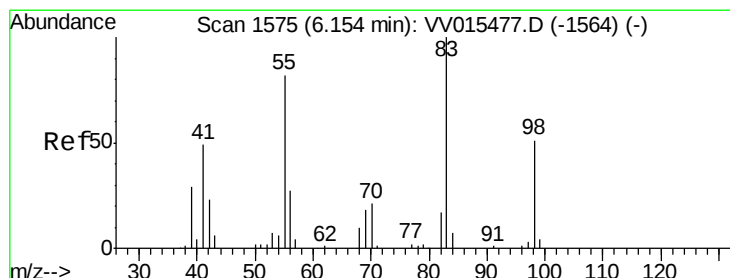
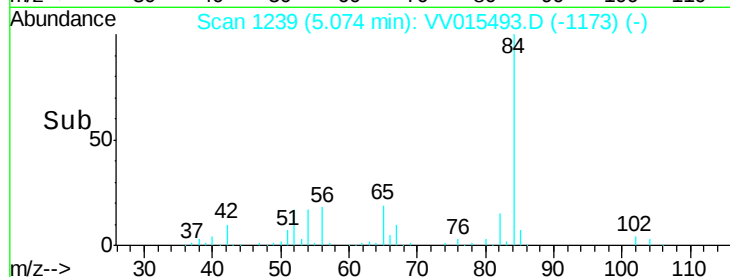
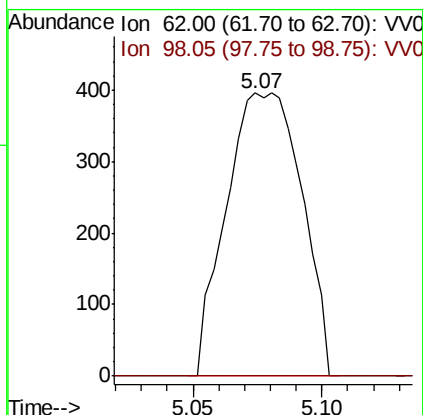
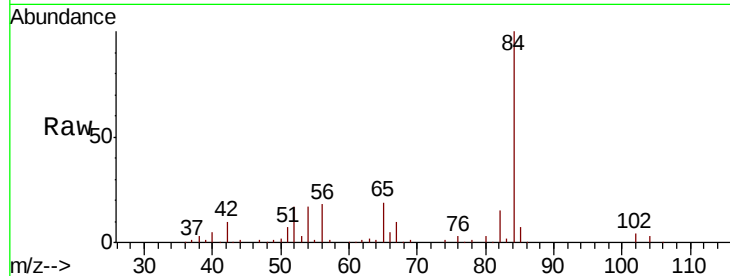




#27
 1,2-Dichloroethane
 Concen: 0.083 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.09 min
 Lab File: VV015493.D
 Acq: 15 Apr 2020 04:08

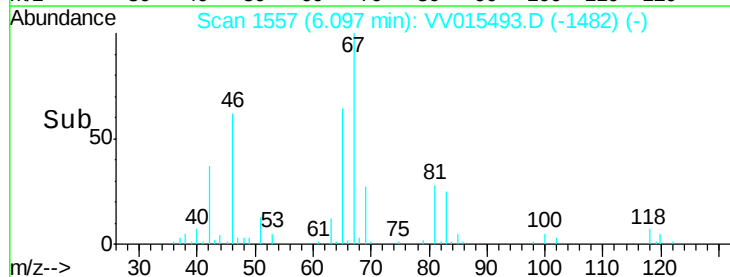
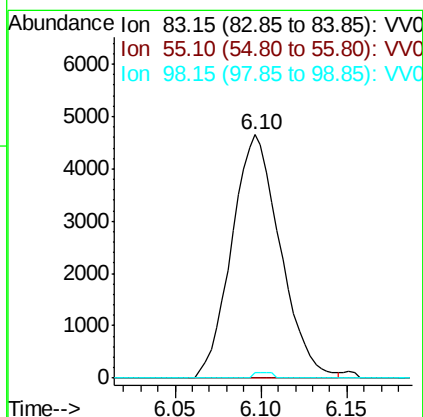
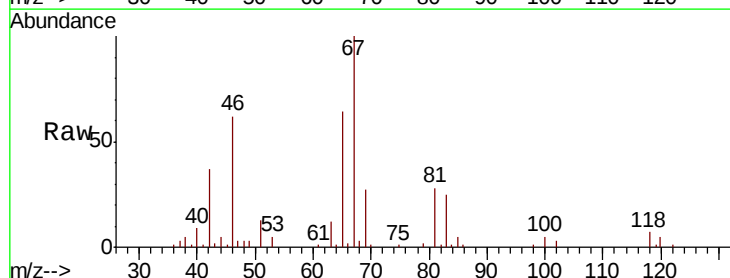
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 YAOB1

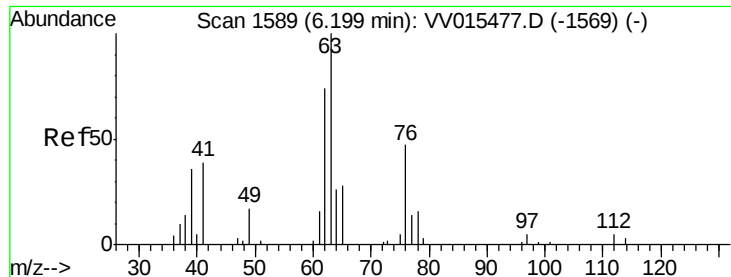
Tot Ion: 62 Resp: 807
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.644 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015493.D
 Acq: 15 Apr 2020 04:08

Tgt Ion: 83 Resp: 9141
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 0.9 38.7 58.1#

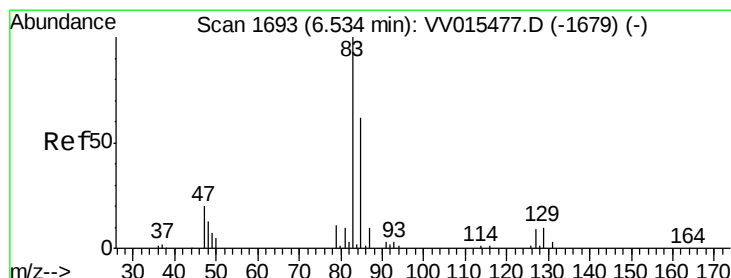
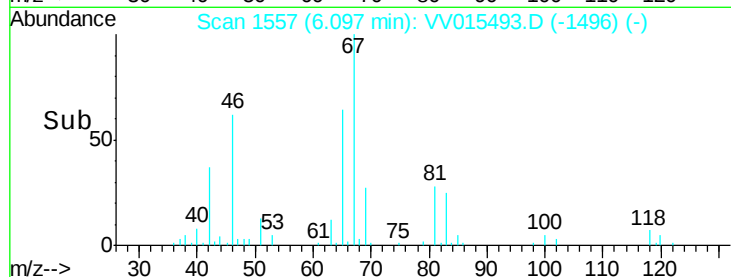
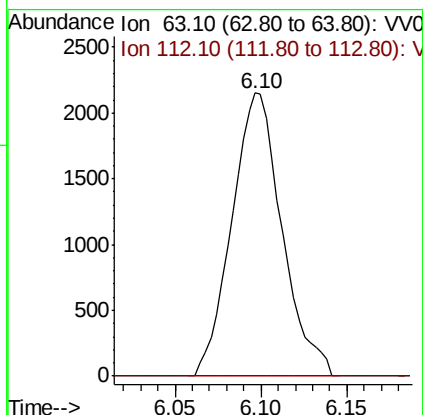
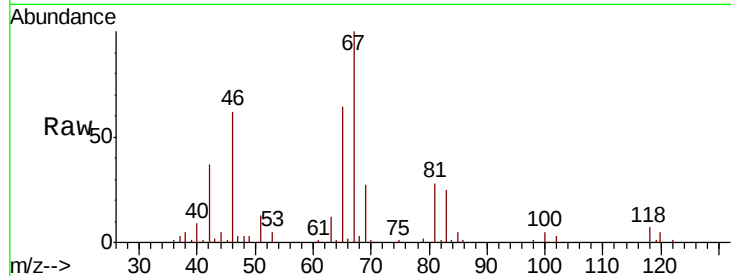




#37
 1,2-Dichloropropane
 Concen: 0.562 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015493.D
 Acq: 15 Apr 2020 04:08

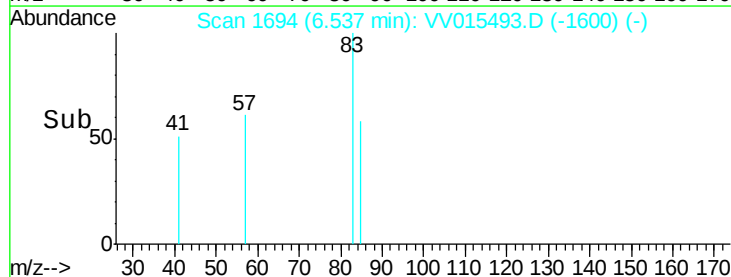
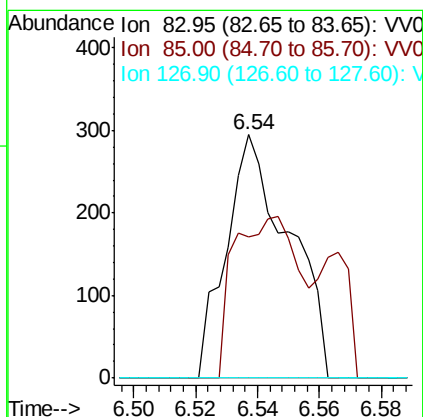
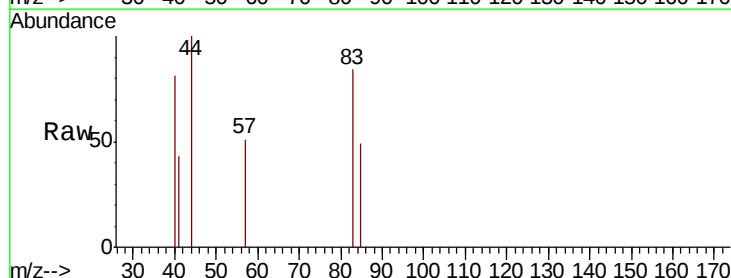
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 MSVOA_V
 ClientSampleId :
 YAOB1

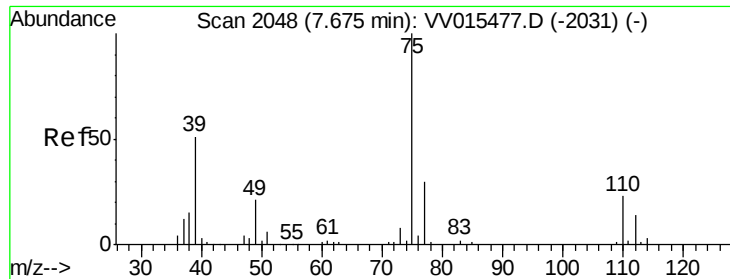
Tot Ion: 63 Resp: 4360
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.040 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV015493.D
 Acq: 15 Apr 2020 04:08

Tgt Ion: 83 Resp: 414
 Ion Ratio Lower Upper
 83 100
 85 58.0 42.6 79.2
 127 0.0 6.6 9.8#





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015493.D

Acq: 15 Apr 2020 04:08

Instrument :

MSVOA_V

ClientSampleId :

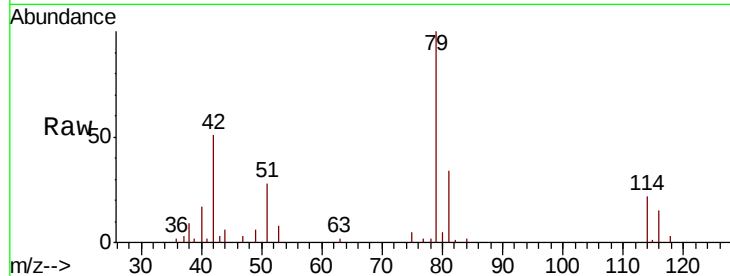
YAOB1

Tot Ion: 75 Resp: 541

Ion Ratio Lower Upper

75 100

77 34.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

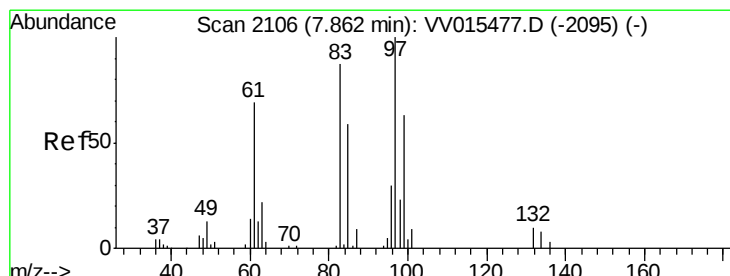
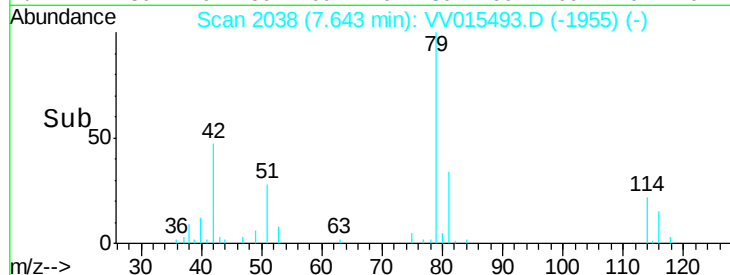
300

200

100

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.149 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015493.D

Acq: 15 Apr 2020 04:08

Tgt Ion: 97 Resp: 778

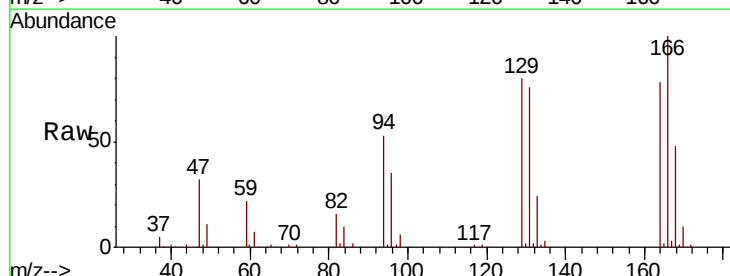
Ion Ratio Lower Upper

97 100

99 0.0 41.3 76.7#

83 220.7 60.5 112.3#

85 30.0 36.8 68.4#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

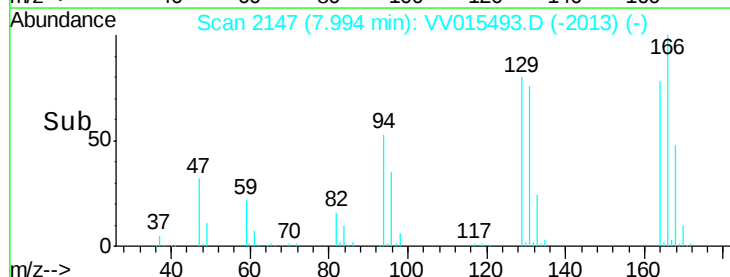
1500

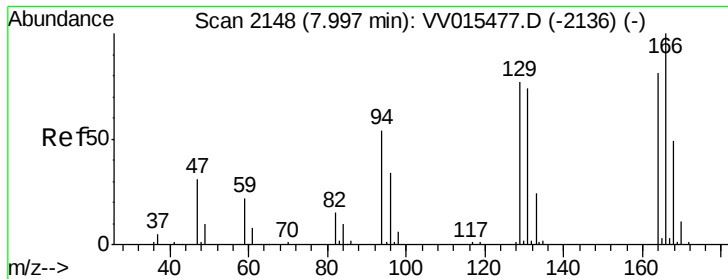
1000

500

0

Time-->

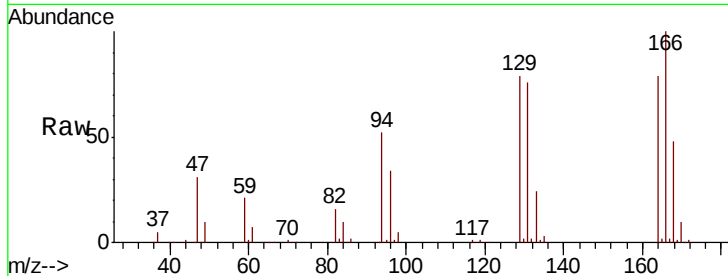




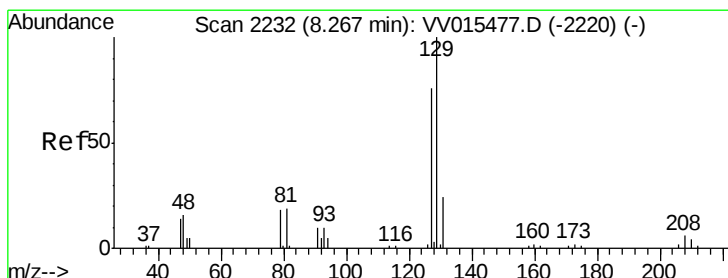
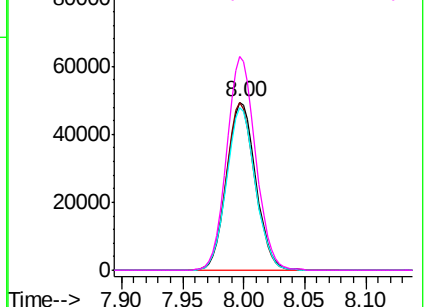
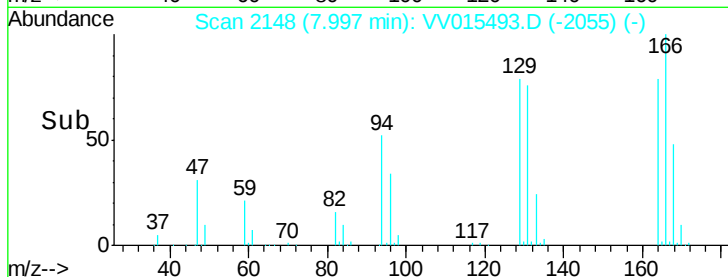
#47
Tetrachloroethene
Concen: 13.241 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015493.D
Acq: 15 Apr 2020 04:08

Instrument :
MSVOA_V
ClientSampleId :
YaqB1

Tot Ion:164 Resp: 82587
Ion Ratio Lower Upper
164 100
129 100.0 70.6 131.0
131 97.1 68.3 126.8
166 127.2 88.3 163.9

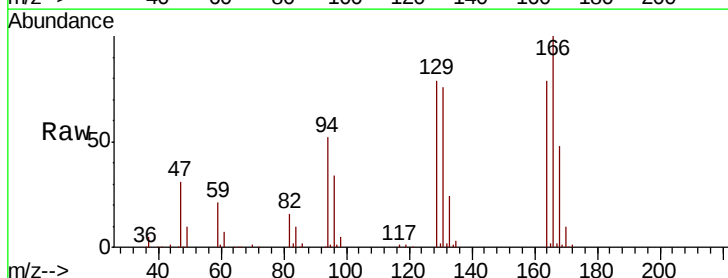


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#49
Dibromochloromethane
Concen: 12.642 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015493.D
Acq: 15 Apr 2020 04:08

Tgt Ion:129 Resp: 78968
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

