

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016446.D
 Acq On : 02 Jun 2020 23:06
 Operator : SY/MD
 Sample : L2843-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 02:27:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 01:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	385214	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	366555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133590	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.92%
7) Chloroethane-d5	1.58	69	93395	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.84%
11) 1,1-Dichloroethene-d2	2.13	63	182403	37.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.42%
21) 2-Butanone-d5	3.91	46	190272	109.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.06%
24) Chloroform-d	4.38	84	238775	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
26) 1,2-Dichloroethane-d4	5.06	65	174252	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.64%
32) Benzene-d6	5.08	84	499517	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.74%
36) 1,2-Dichloropropane-d6	6.10	67	156117	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.06%
41) Toluene-d8	7.34	98	443868	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.64	79	68762	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.11	63	137237	104.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.74%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	202720	48.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	170907	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%

Target Compounds

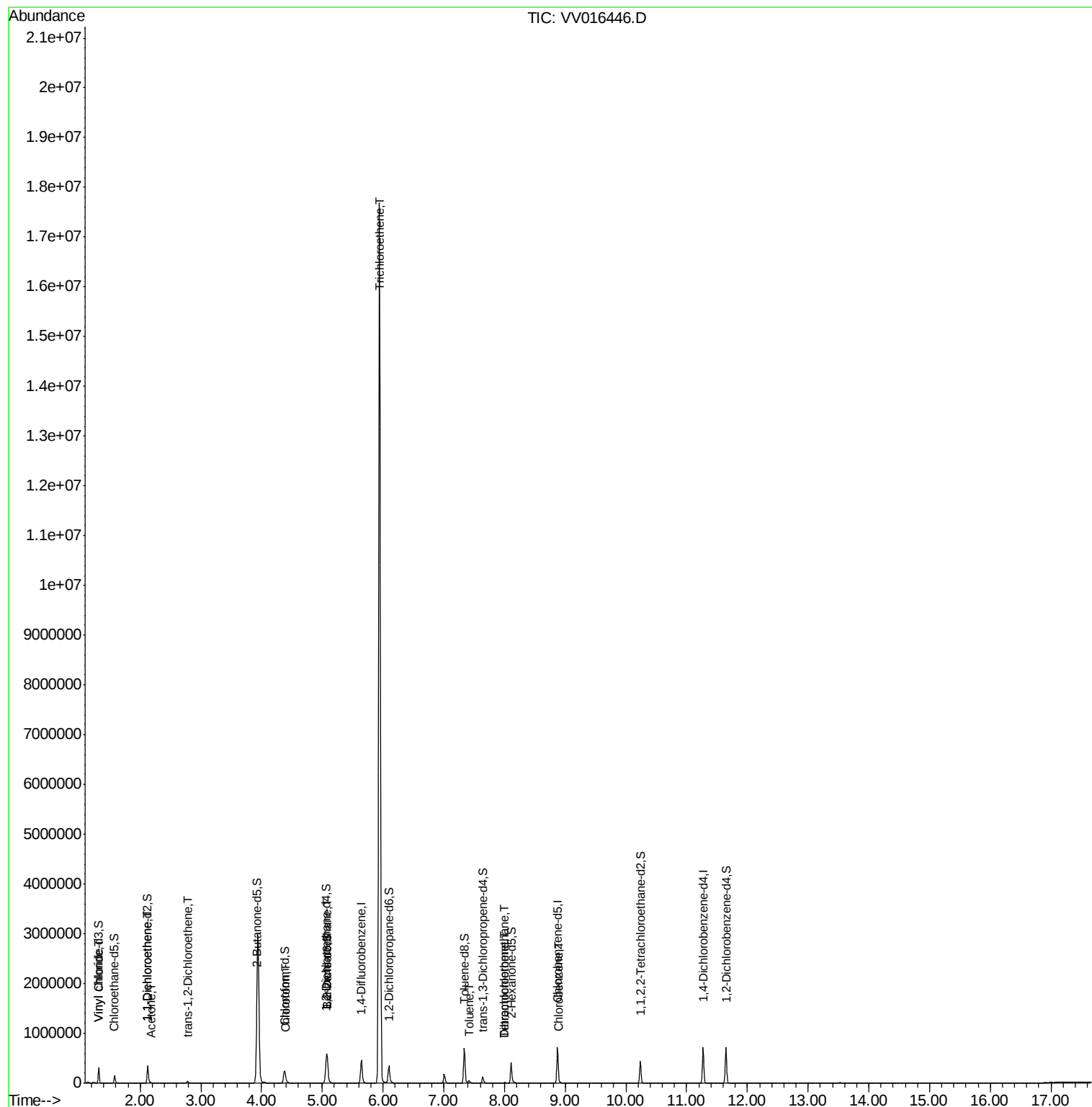
					Ovalue
5) Vinyl chloride	1.32	62	73675	24.900 ug/L	98
12) 1,1-Dichloroethene	2.14	96	4468	2.089 ug/L #	1
13) Acetone	2.19	43	4458	2.734 ug/L	60
17) trans-1,2-Dichloroethene	2.78	96	10464	3.878 ug/L	94
25) Chloroform	4.41	83	14842	2.837 ug/L	100
27) 1,2-Dichloroethane	5.07	62	3532	0.831 ug/L	98
34) Trichloroethene	5.94	95	6053267	2139.950 ug/L	98
42) Toluene	7.41	91	30398	2.661 ug/L	97
46) Tetrachloroethene	8.00	164	2053	0.941 ug/L	89
49) Dibromochloromethane	8.00	129	1943	0.736 ug/L #	10
51) Chlorobenzene	8.90	112	7169	0.955 ug/L	92

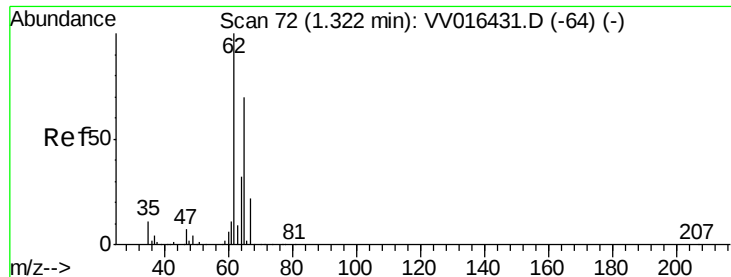
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jun 03 01:20:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 24.900 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016446.D

Acq: 02 Jun 2020 23:06

Instrument :

MSVOA_V

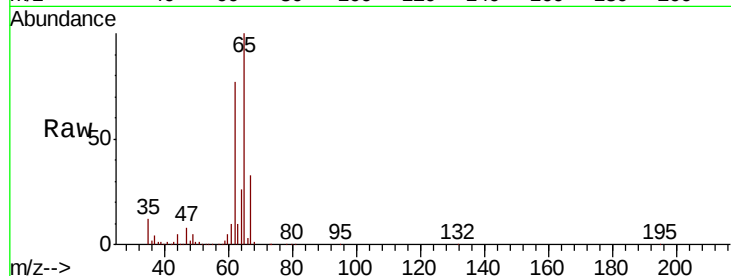
ClientSampleId :

Tot Ion: 62 Resp: 73675

Ion Ratio Lower Upper

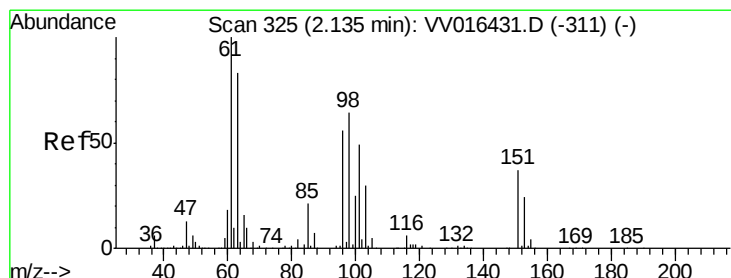
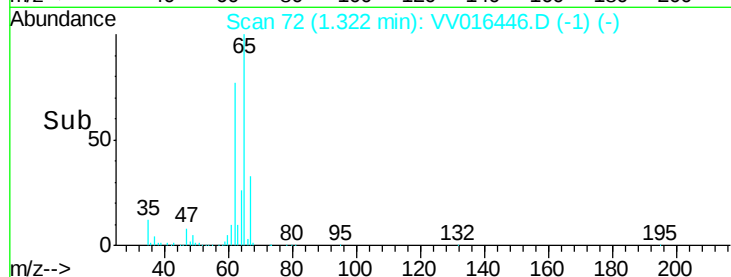
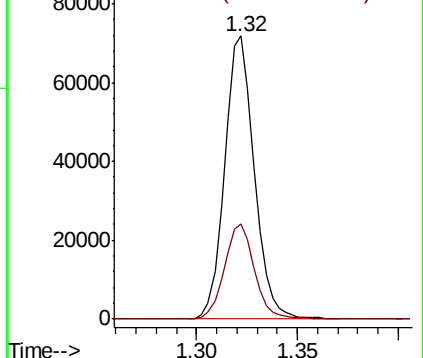
62 100

64 33.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 2.089 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016446.D

Acq: 02 Jun 2020 23:06

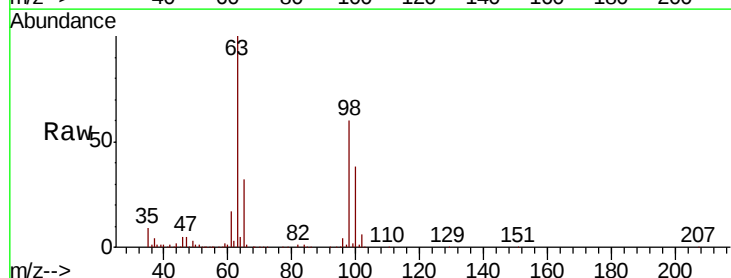
Tgt Ion: 96 Resp: 4468

Ion Ratio Lower Upper

96 100

61 431.8 125.5 233.1#

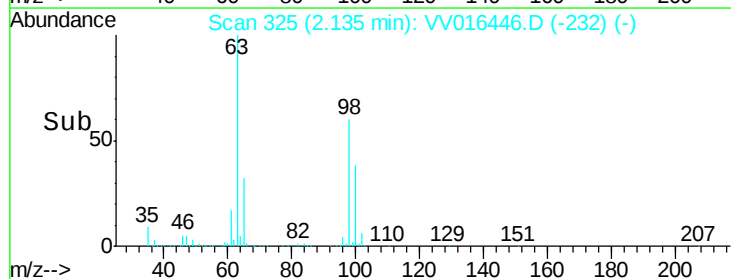
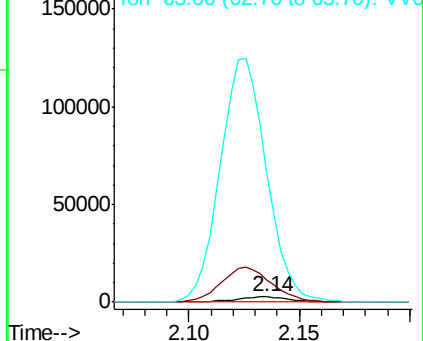
63 2476.9 104.0 193.1#

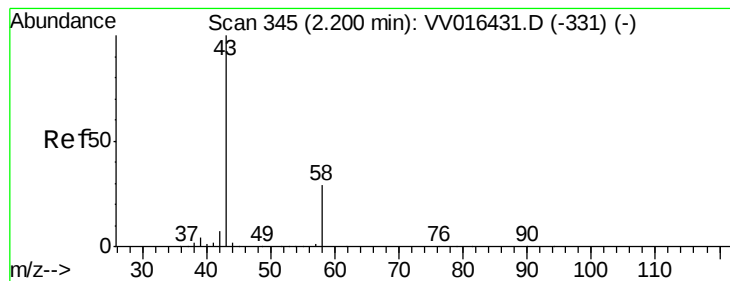


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.734 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV016446.D

Acq: 02 Jun 2020 23:06

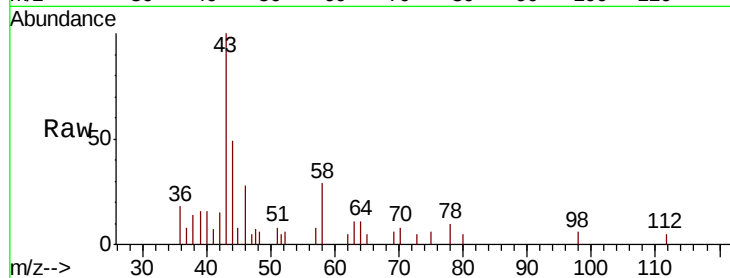
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4458

Ion Ratio Lower Upper

43 100

58 7.2 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016446.D (-252) (-)

Ion 58.00 (57.70 to 58.70): VV016446.D (-252) (-)

2.19

2000

1500

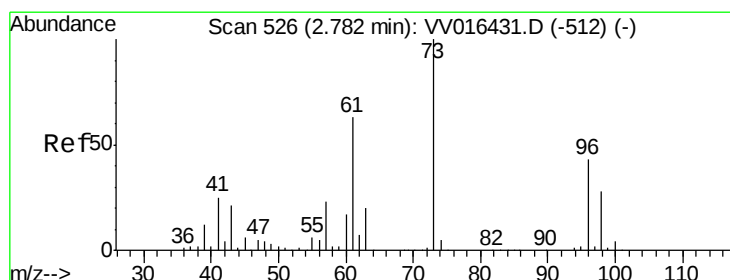
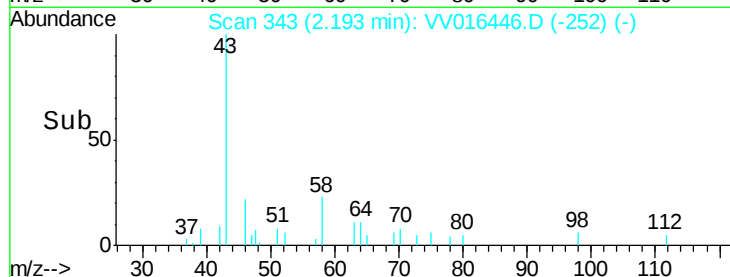
1000

500

0

2.15 2.20 2.25

Time-->



#17

trans-1,2-Dichloroethene

Concen: 3.878 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016446.D

Acq: 02 Jun 2020 23:06

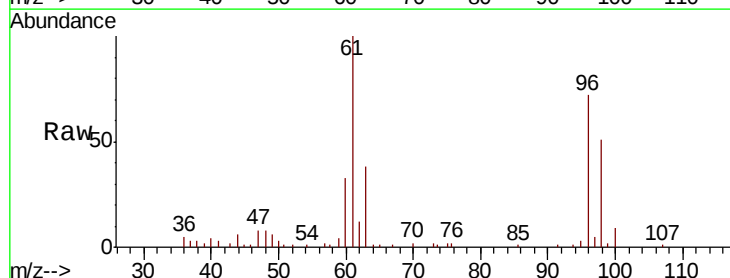
Tgt Ion: 96 Resp: 10464

Ion Ratio Lower Upper

96 100

61 139.0 101.0 187.6

98 71.4 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV016446.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV016446.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV016446.D (-433) (-)

2.78

10000

8000

6000

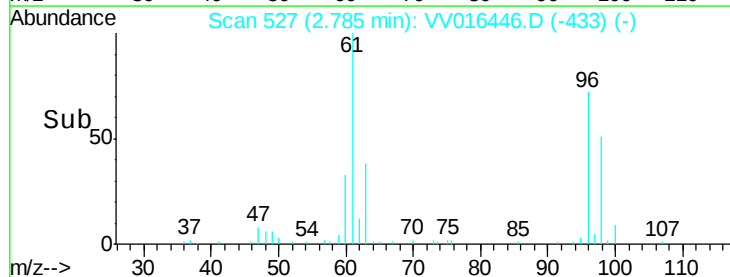
4000

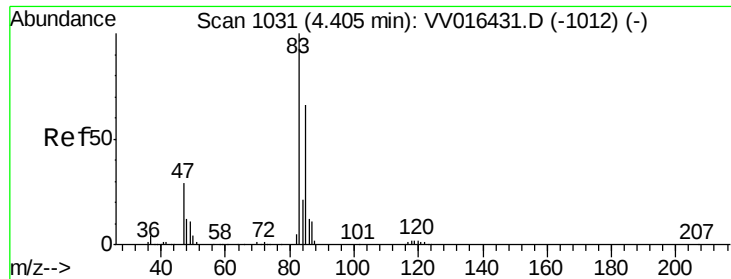
2000

0

2.70 2.75 2.80 2.85

Time-->

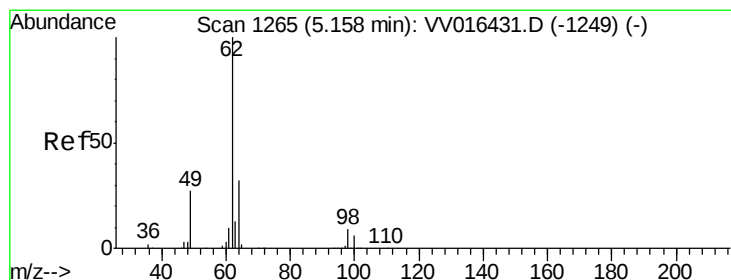
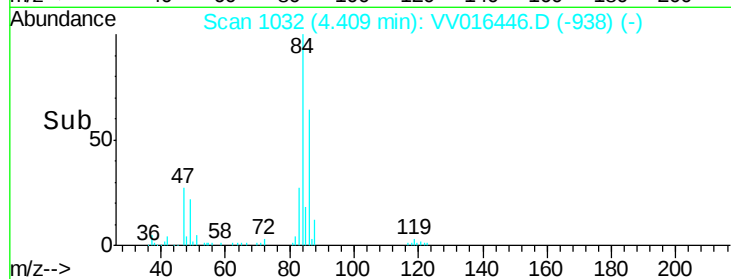
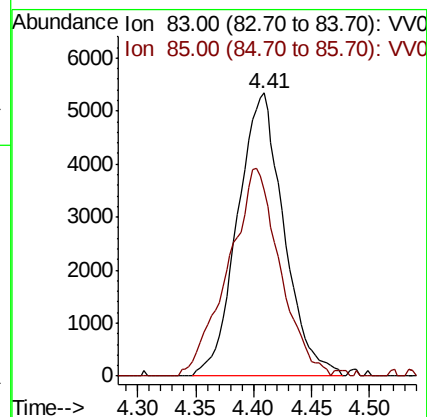
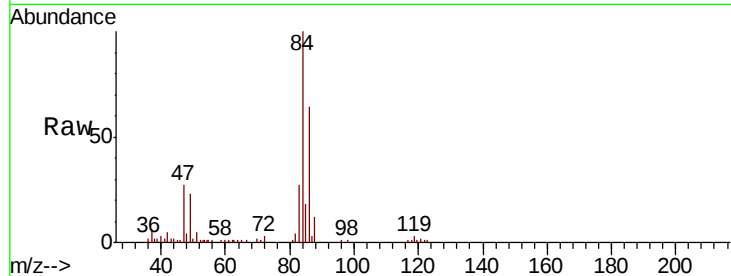




#25
Chloroform
Concen: 2.837 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016446.D
Acq: 02 Jun 2020 23:06

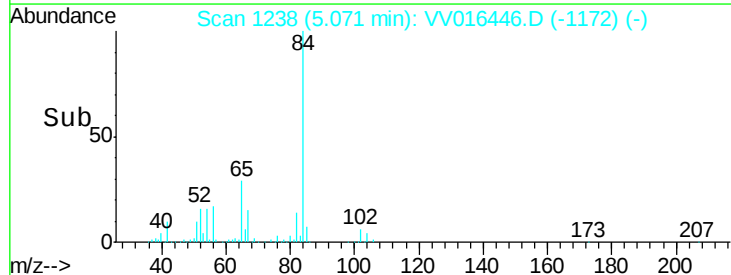
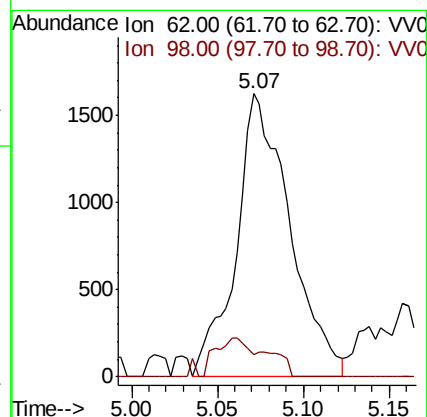
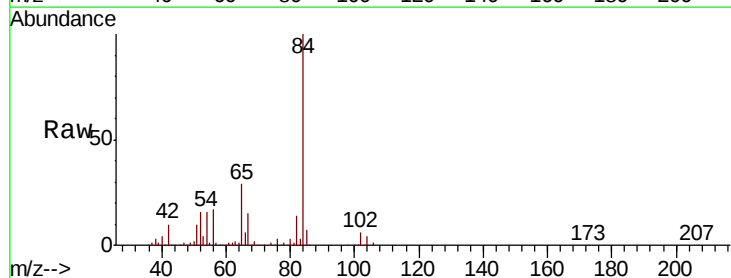
Instrument :
MSVOA_V
ClientSampled :

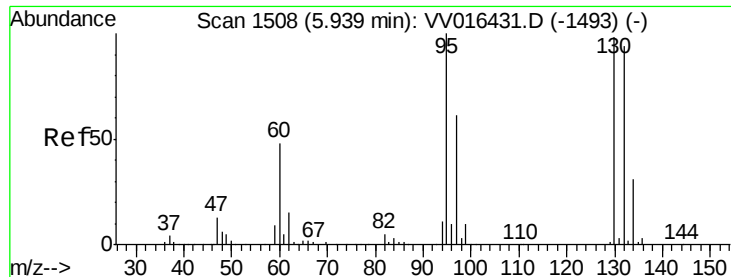
Tot Ion: 83 Resp: 14842
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.831 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.09 min
Lab File: VV016446.D
Acq: 02 Jun 2020 23:06

Tgt Ion: 62 Resp: 3532
Ion Ratio Lower Upper
62 100
98 7.9 6.9 10.3

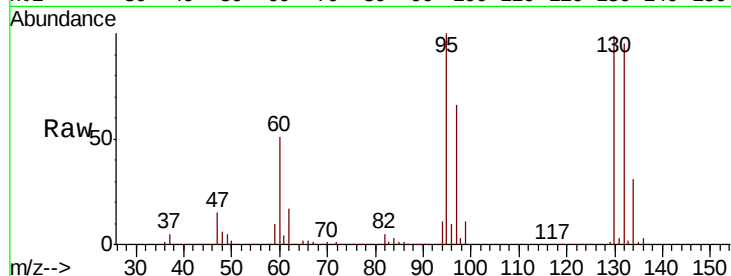




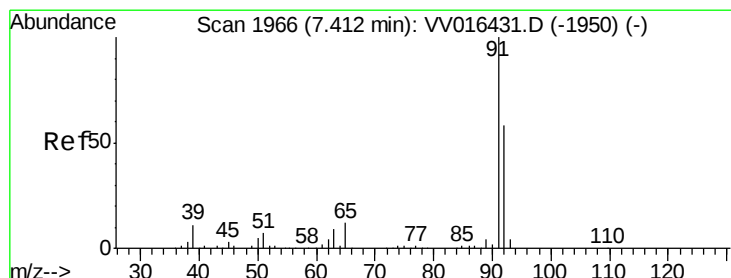
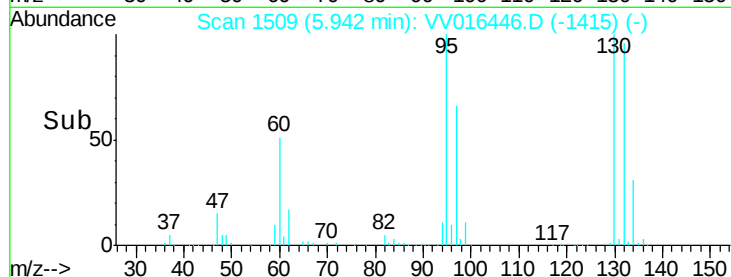
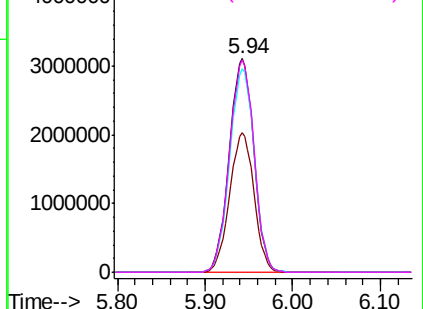
#34
 Trichloroethene
 Concen: 2139.950 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV016446.D
 Acq: 02 Jun 2020 23:06

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 95 Resp: 6053267
 Ion Ratio Lower Upper
 95 100
 97 65.6 42.8 79.6
 132 95.5 65.6 121.8
 130 99.5 69.0 128.1

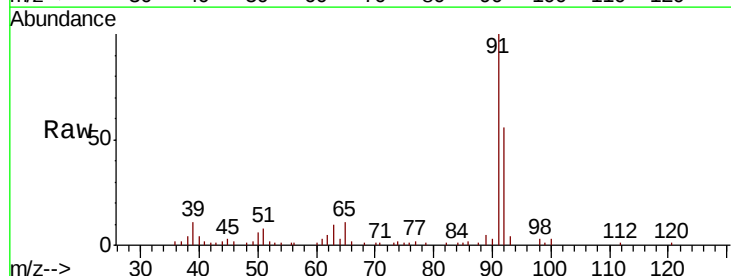


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

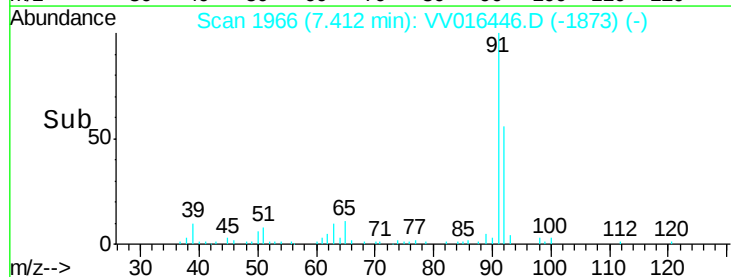
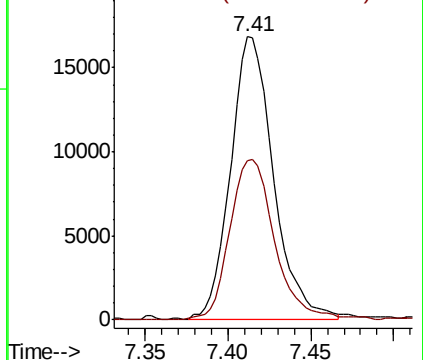


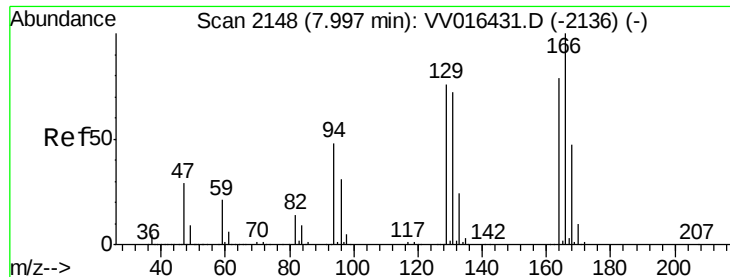
#42
 Toluene
 Concen: 2.661 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016446.D
 Acq: 02 Jun 2020 23:06

Tgt Ion: 91 Resp: 30398
 Ion Ratio Lower Upper
 91 100
 92 56.2 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0

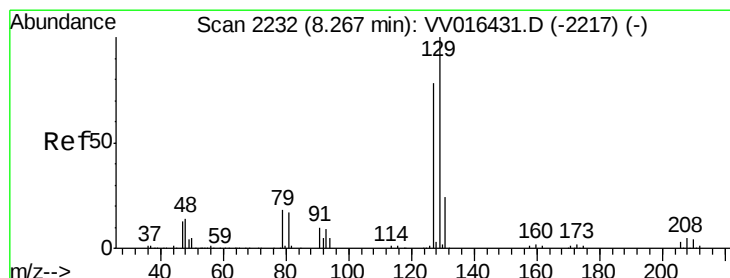
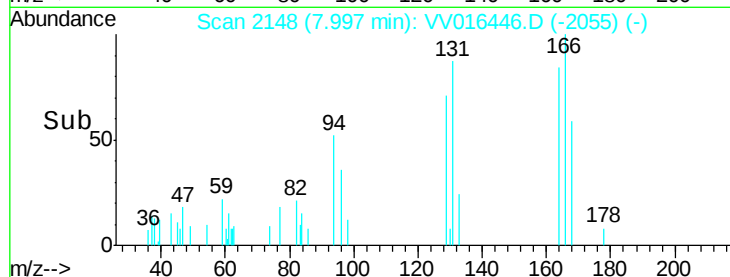
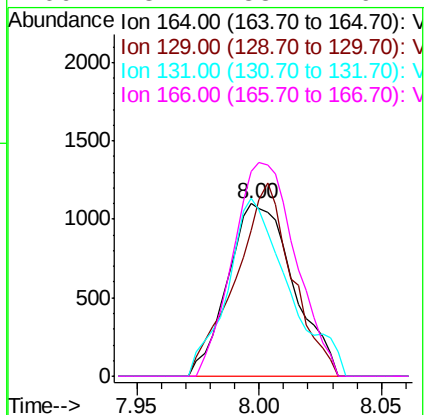
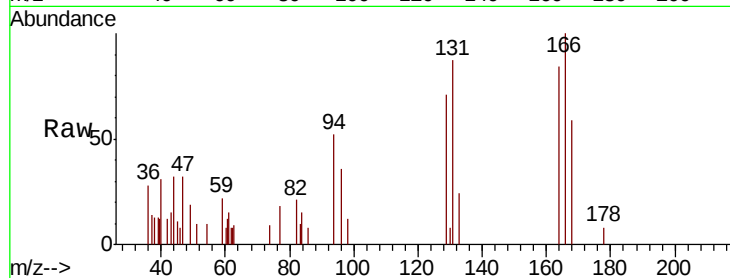




#46
Tetrachloroethene
Concen: 0.941 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016446.D
Acq: 02 Jun 2020 23:06

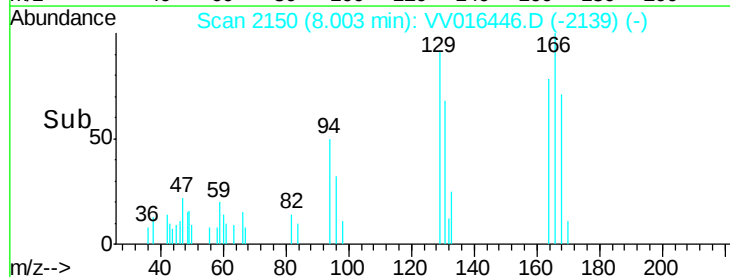
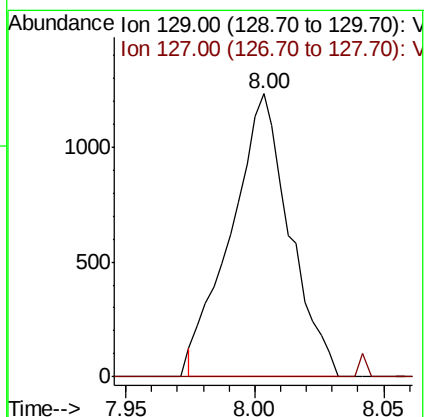
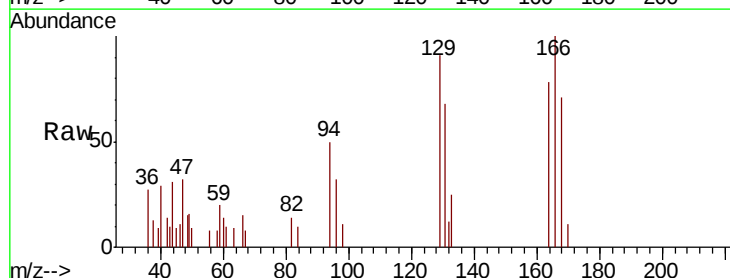
Instrument :
MSVOA_V
ClientSampleId :

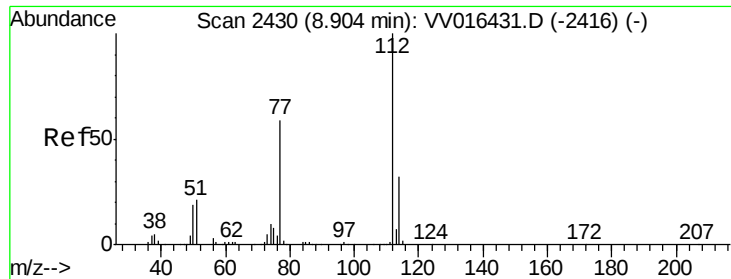
Tot Ion:164 Resp: 2053
Ion Ratio Lower Upper
164 100
129 84.2 67.7 125.7
131 103.3 63.8 118.6
166 118.4 88.7 164.7



#49
Dibromochloromethane
Concen: 0.736 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. -0.26 min
Lab File: VV016446.D
Acq: 02 Jun 2020 23:06

Tgt Ion:129 Resp: 1943
Ion Ratio Lower Upper
129 100
127 0.0 54.6 101.4#





#51
 Chlorobenzene
 Concen: 0.955 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016446.D
 Acq: 02 Jun 2020 23:06

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.6	22.7	42.1
77	65.8	47.4	71.2

