

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016443.D
 Acq On : 02 Jun 2020 21:58
 Operator : SY/MD
 Sample : L2843-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 02:26:51 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	394848	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	376683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	179107	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133260	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.58	69	94718	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.82%
11) 1,1-Dichloroethene-d2	2.13	63	184403	37.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.40%
21) 2-Butanone-d5	3.91	46	189175	105.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.79%
24) Chloroform-d	4.38	84	234222	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.06	65	168952	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
32) Benzene-d6	5.08	84	495859	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.10	67	153430	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.60%
41) Toluene-d8	7.34	98	441318	48.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.32%
43) trans-1,3-Dichloropropene-	7.64	79	68668	44.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.64%
47) 2-Hexanone-d5	8.11	63	134236	99.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.69%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	199961	46.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	168642	50.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

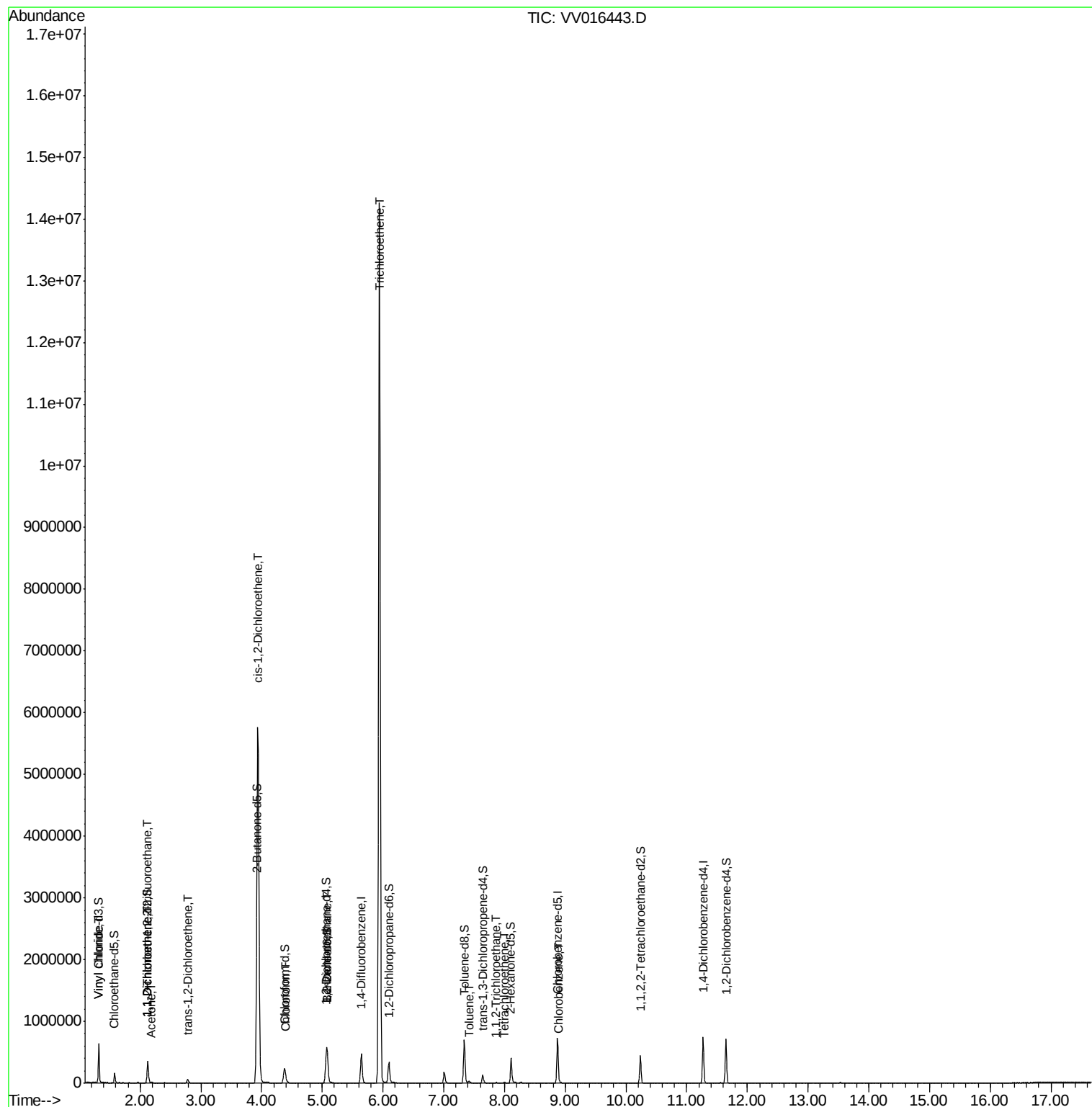
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	275881	90.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1475	0.648	ug/L #	28
12) 1,1-Dichloroethene	2.14	96	11107	5.067	ug/L #	1
13) Acetone	2.19	43	4509	2.698	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	19767	7.147	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	3136161	1050.643	ug/L	99
25) Chloroform	4.41	83	15350	2.863	ug/L	99
27) 1,2-Dichloroethane	5.08	62	3480	0.799	ug/L	100
34) Trichloroethene	5.94	95	4908156	1688.478	ug/L	97
42) Toluene	7.41	91	19962	1.700	ug/L	95
45) 1,1,2-Trichloroethane	7.87	97	1806	0.647	ug/L	97
46) Tetrachloroethene	8.00	164	1992	0.889	ug/L	84
51) Chlorobenzene	8.91	112	6868	0.890	ug/L	94

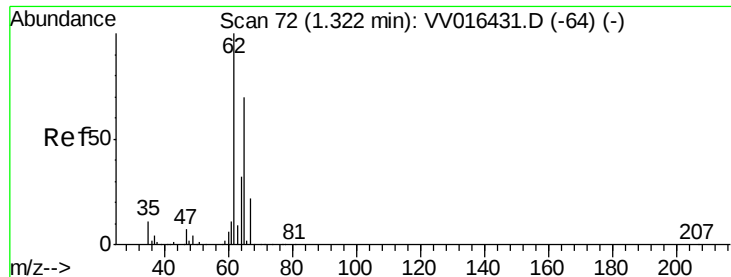
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 03 01:20:33 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 90.965 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Instrument :

MSVOA_V

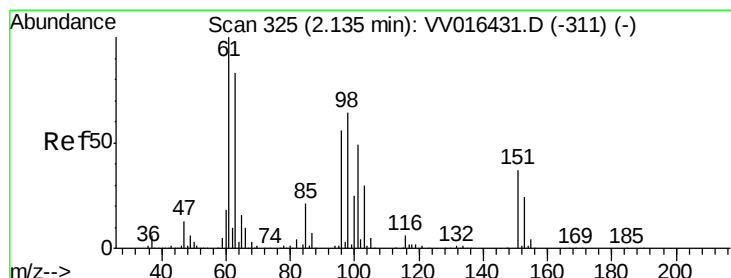
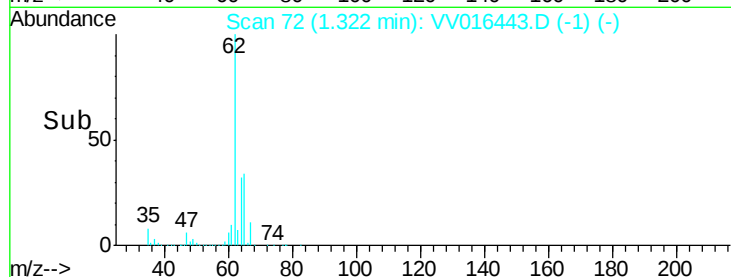
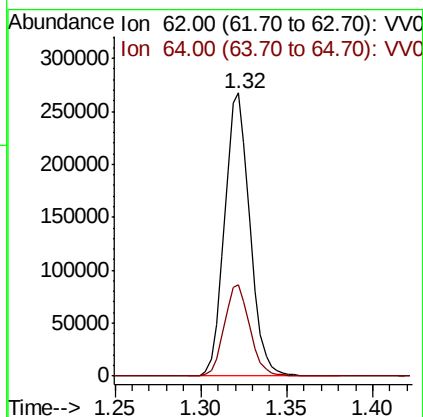
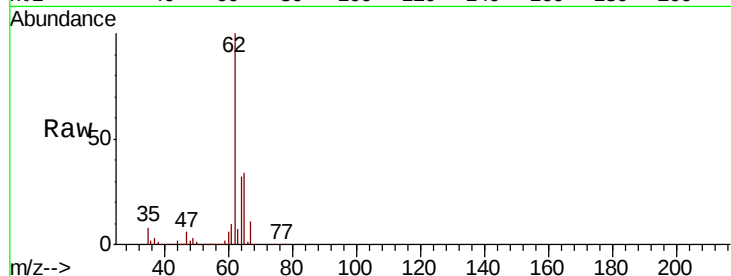
ClientSampleId :

Tot Ion: 62 Resp: 275881

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



#10

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

Concen: 0.648 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

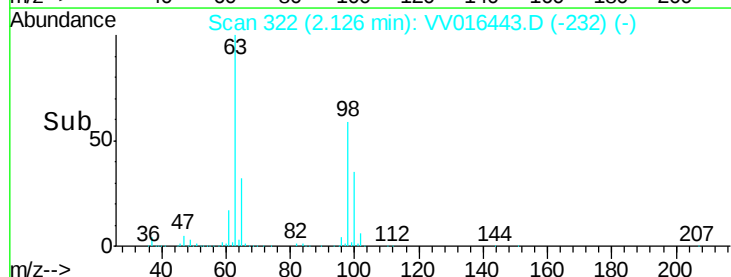
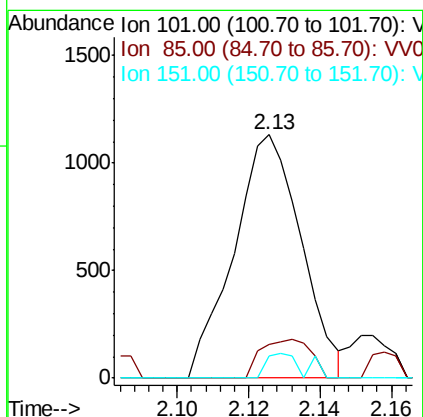
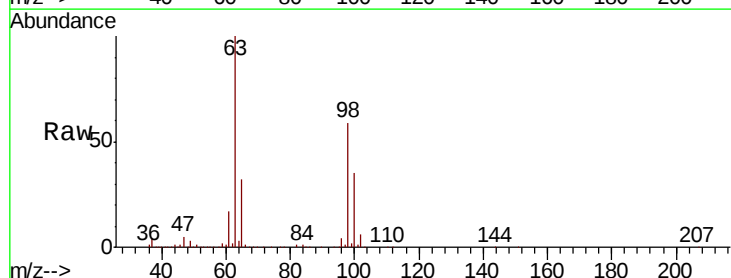
Tgt Ion: 101 Resp: 1475

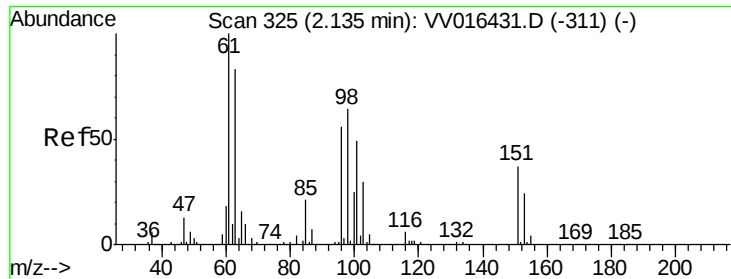
Ion Ratio Lower Upper

101 100

85 11.8 35.6 53.4#

151 4.2 61.8 92.8#





#12

1,1-Dichloroethene

Concen: 5.067 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Instrument :
MSVOA_V
ClientSampleId :

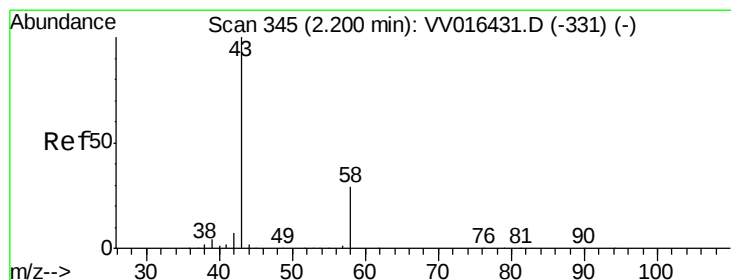
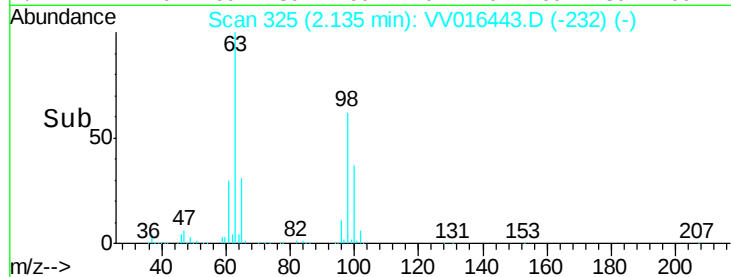
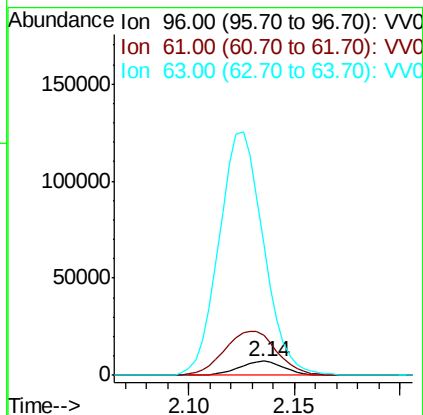
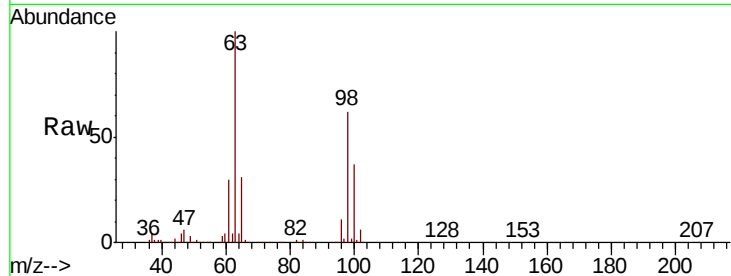
Tot Ion: 96 Resp: 11107

Ion Ratio Lower Upper

96 100

61 281.6 125.5 233.1#

63 928.1 104.0 193.1#



#13

Acetone

Concen: 2.698 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV016443.D

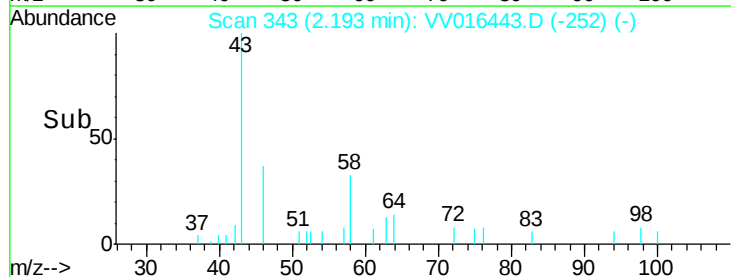
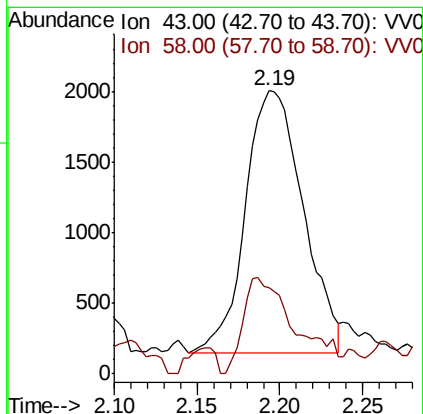
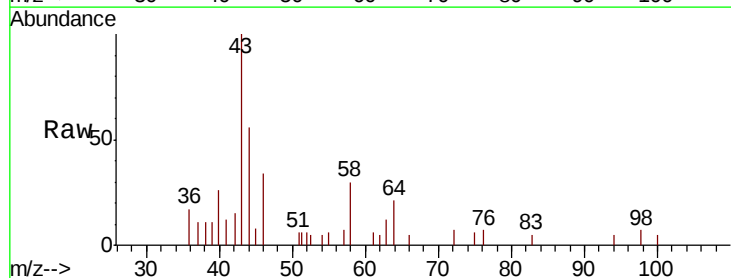
Acq: 02 Jun 2020 21:58

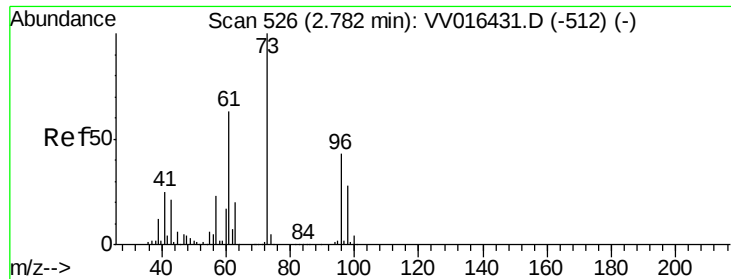
Tgt Ion: 43 Resp: 4509

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2





#17

trans-1,2-Dichloroethene

Concen: 7.147 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Instrument :

MSVOA_V

ClientSampleId :

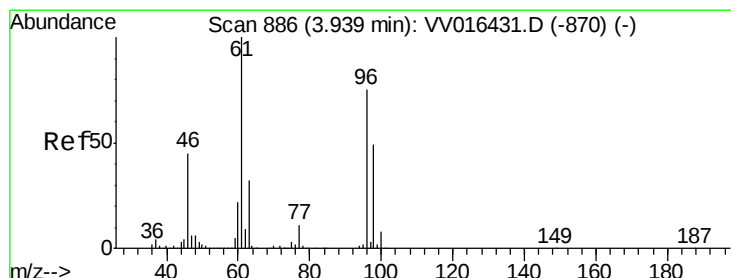
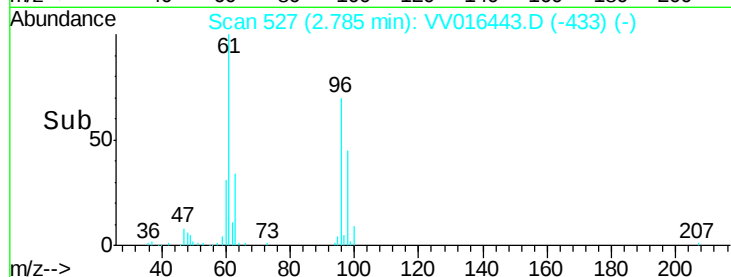
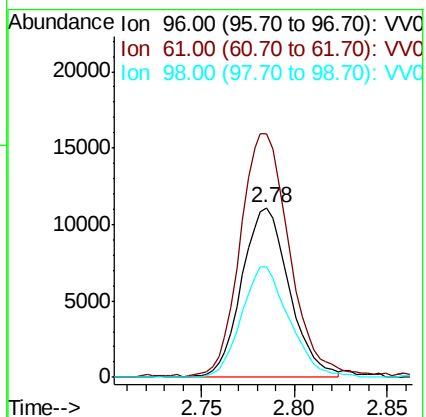
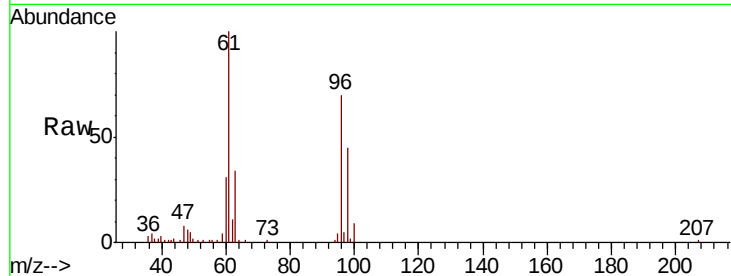
Tot Ion: 96 Resp: 19767

Ion Ratio Lower Upper

96 100

61 143.4 101.0 187.6

98 65.1 44.7 83.1



#20

cis-1,2-Dichloroethene

Concen: 1050.643 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

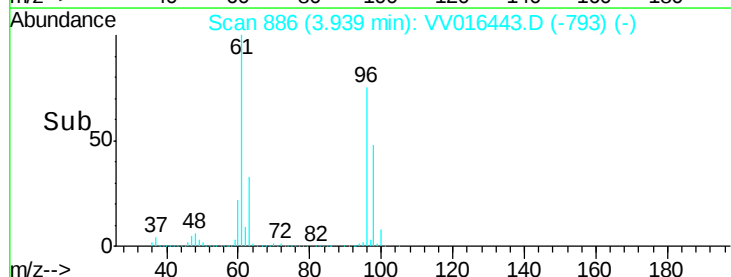
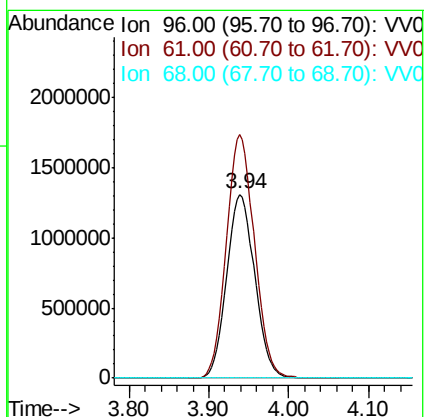
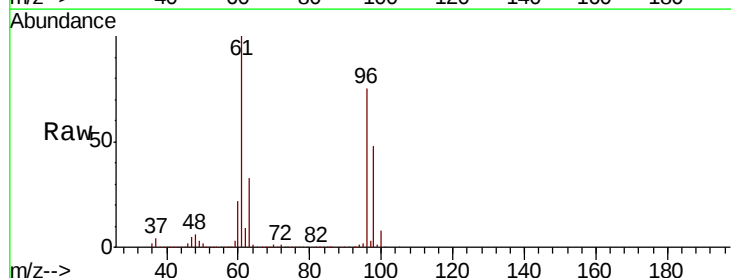
Tgt Ion: 96 Resp: 3136161

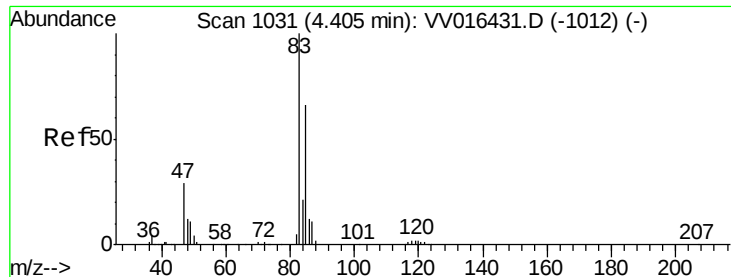
Ion Ratio Lower Upper

96 100

61 132.6 93.4 173.4

68 0.0 0.0 0.0

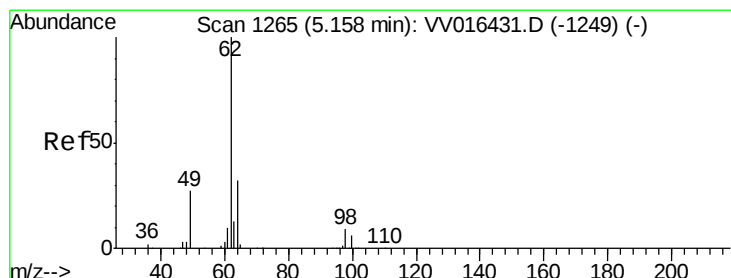
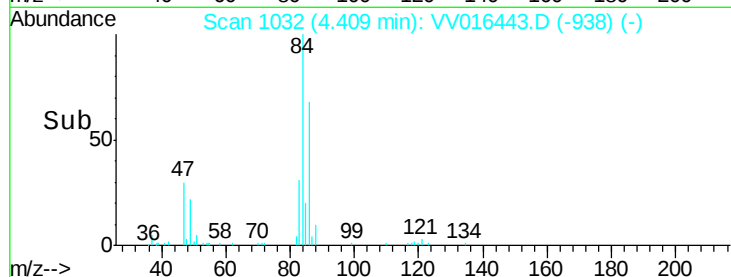
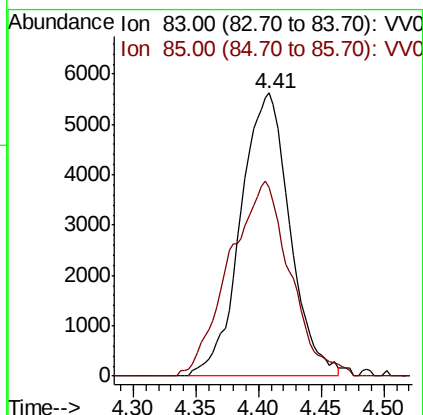
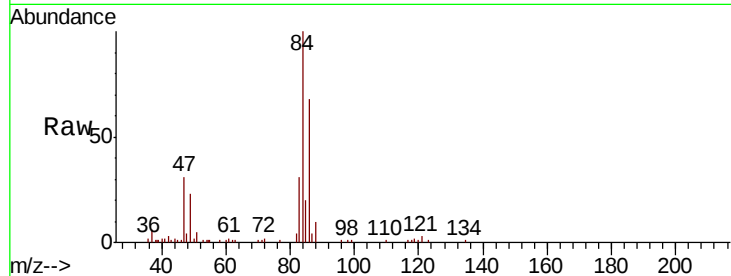




#25
Chloroform
Concen: 2.863 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016443.D
Acq: 02 Jun 2020 21:58

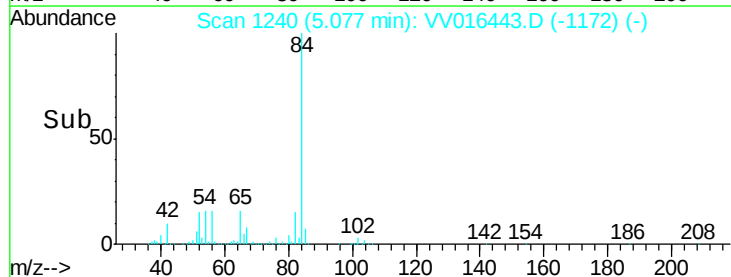
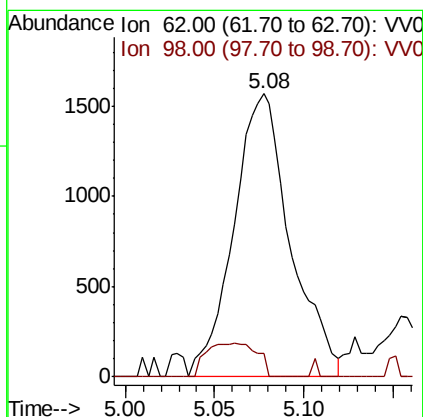
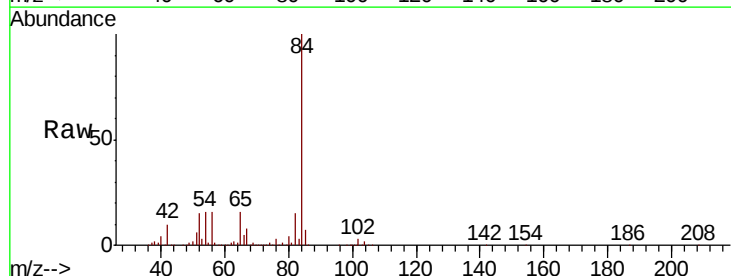
Instrument :
MSVOA_V
ClientSampleId :

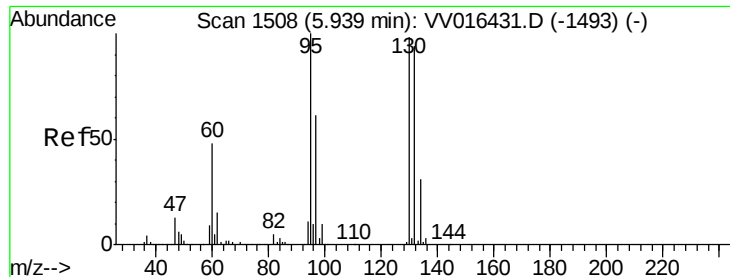
Tot Ion: 83 Resp: 15350
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.799 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016443.D
Acq: 02 Jun 2020 21:58

Tgt Ion: 62 Resp: 3480
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3

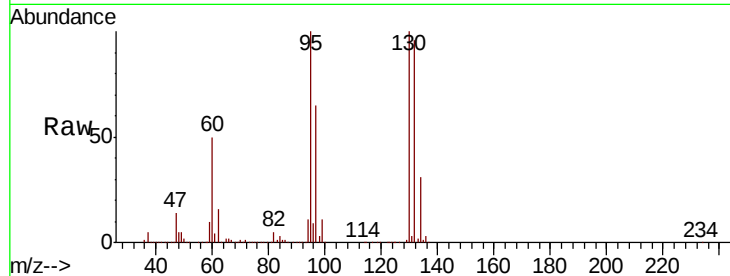




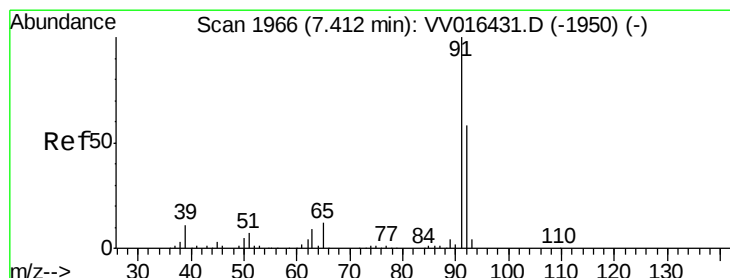
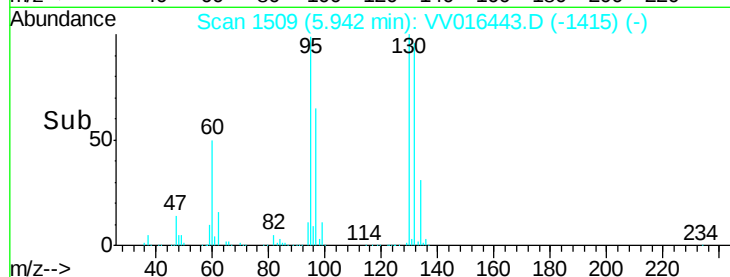
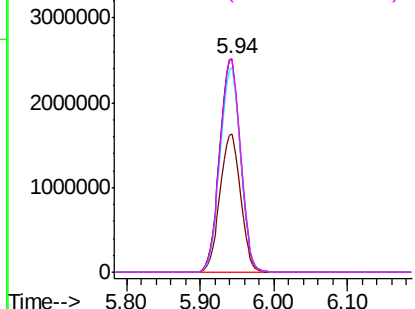
#34
 Trichloroethene
 Concen: 1688.478 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV016443.D
 Acq: 02 Jun 2020 21:58

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 4908156
 Ion Ratio Lower Upper
 95 100
 97 65.2 42.8 79.6
 132 96.5 65.6 121.8
 130 100.5 69.0 128.1

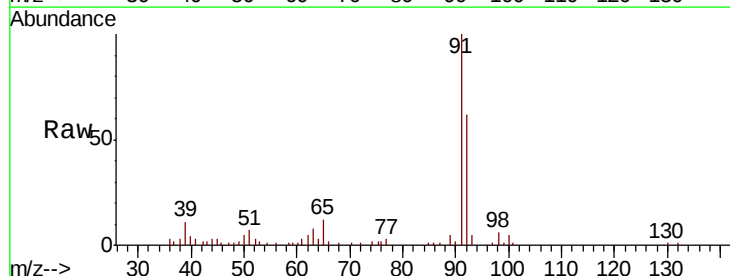


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

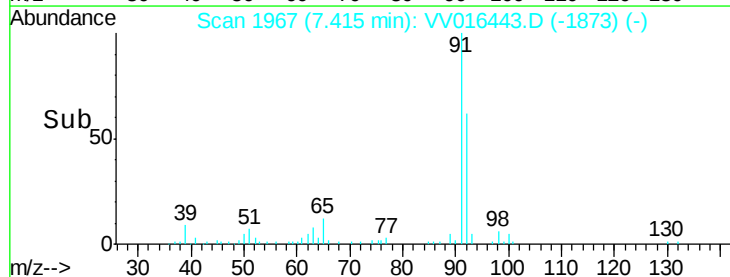
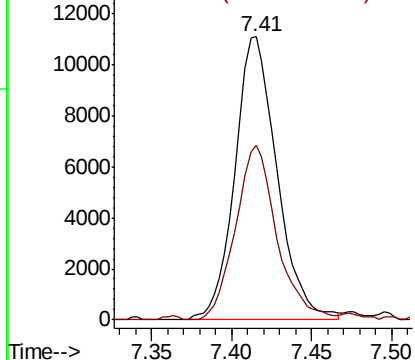


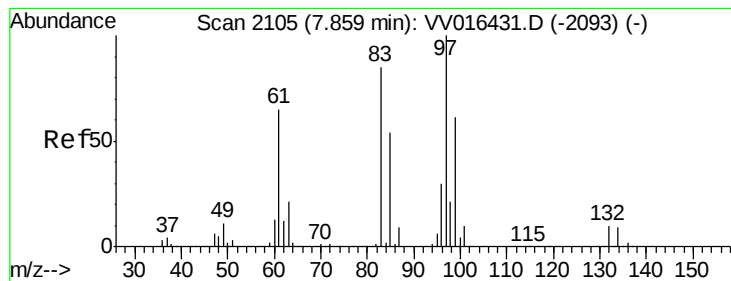
#42
 Toluene
 Concen: 1.700 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: VV016443.D
 Acq: 02 Jun 2020 21:58

Tgt Ion: 91 Resp: 19962
 Ion Ratio Lower Upper
 91 100
 92 61.9 40.9 75.9



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





#45

1,1,2-Trichloroethane

Concen: 0.647 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 1806

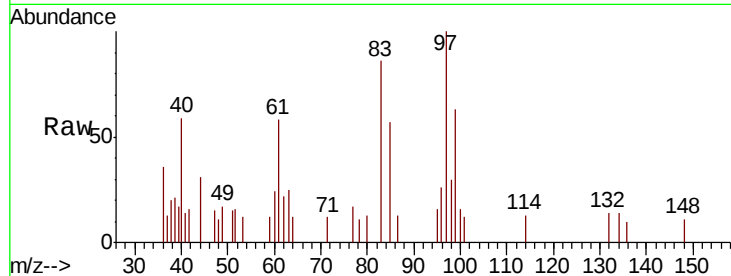
Ion Ratio Lower Upper

97 100

99 62.8 42.9 79.7

83 86.2 59.3 110.1

85 57.1 37.5 69.7



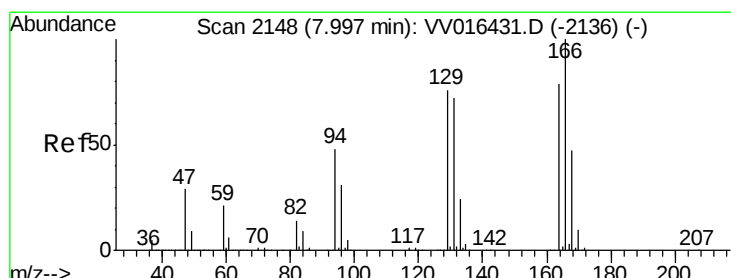
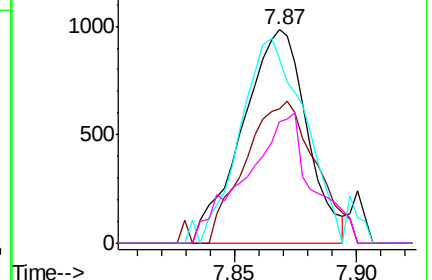
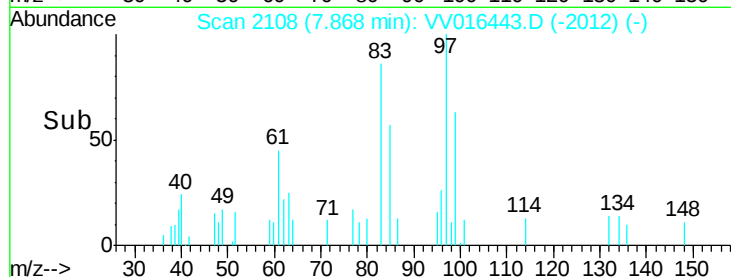
Abundance Ion 97.00 (96.70 to 97.70): VV016443.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV016443.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV016443.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV016443.D (-2093) (-)

Time-->



#46

Tetrachloroethene

Concen: 0.889 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Tgt Ion: 164 Resp: 1992

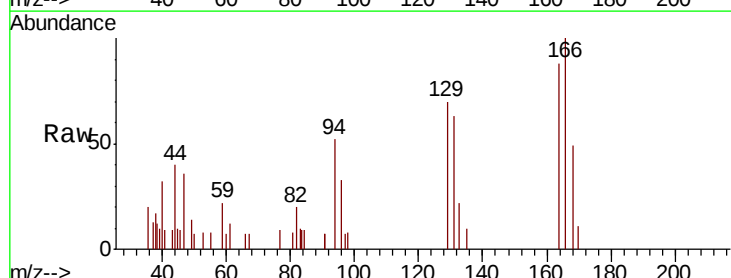
Ion Ratio Lower Upper

164 100

129 79.9 67.7 125.7

131 71.9 63.8 118.6

166 114.2 88.7 164.7



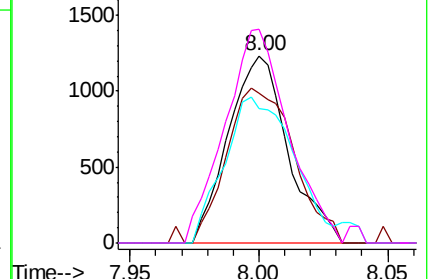
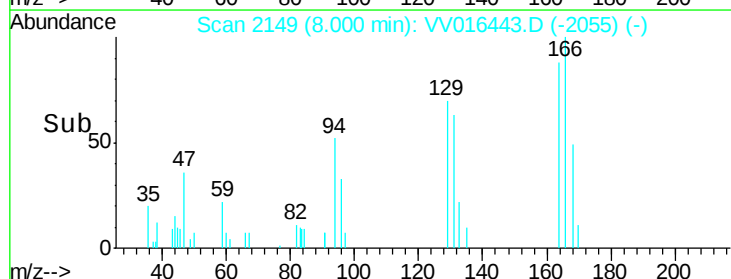
Abundance Ion 164.00 (163.70 to 164.70): VV016443.D (-2055) (-)

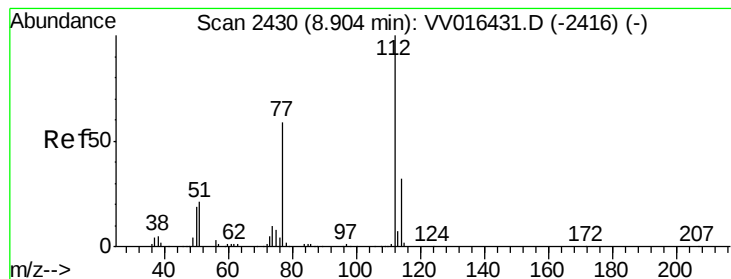
Ion 129.00 (128.70 to 129.70): VV016443.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV016443.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV016443.D (-2055) (-)

Time-->





#51

Chlorobenzene

Concen: 0.890 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV016443.D

Acq: 02 Jun 2020 21:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 6868

Ion Ratio Lower Upper

112 100

114 35.6 22.7 42.1

77 63.7 47.4 71.2

