

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019164.D
 Acq On : 29 Oct 2020 23:11
 Operator : SY/MD
 Sample : L4543-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:46:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	229636	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	226159	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	114664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82751	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.70%
7) Chloroethane-d5	1.58	69	65931	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.02%
11) 1,1-Dichloroethene-d2	2.12	63	125420	36.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.26%
21) 2-Butanone-d5	3.91	46	110004	98.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	4.38	84	161928	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.06	65	117162	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
32) Benzene-d6	5.07	84	310410	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.09	67	93396	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.34	98	287732	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.64	79	51226	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.11	63	77952	94.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	116584	45.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	122904	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%

Target Compounds

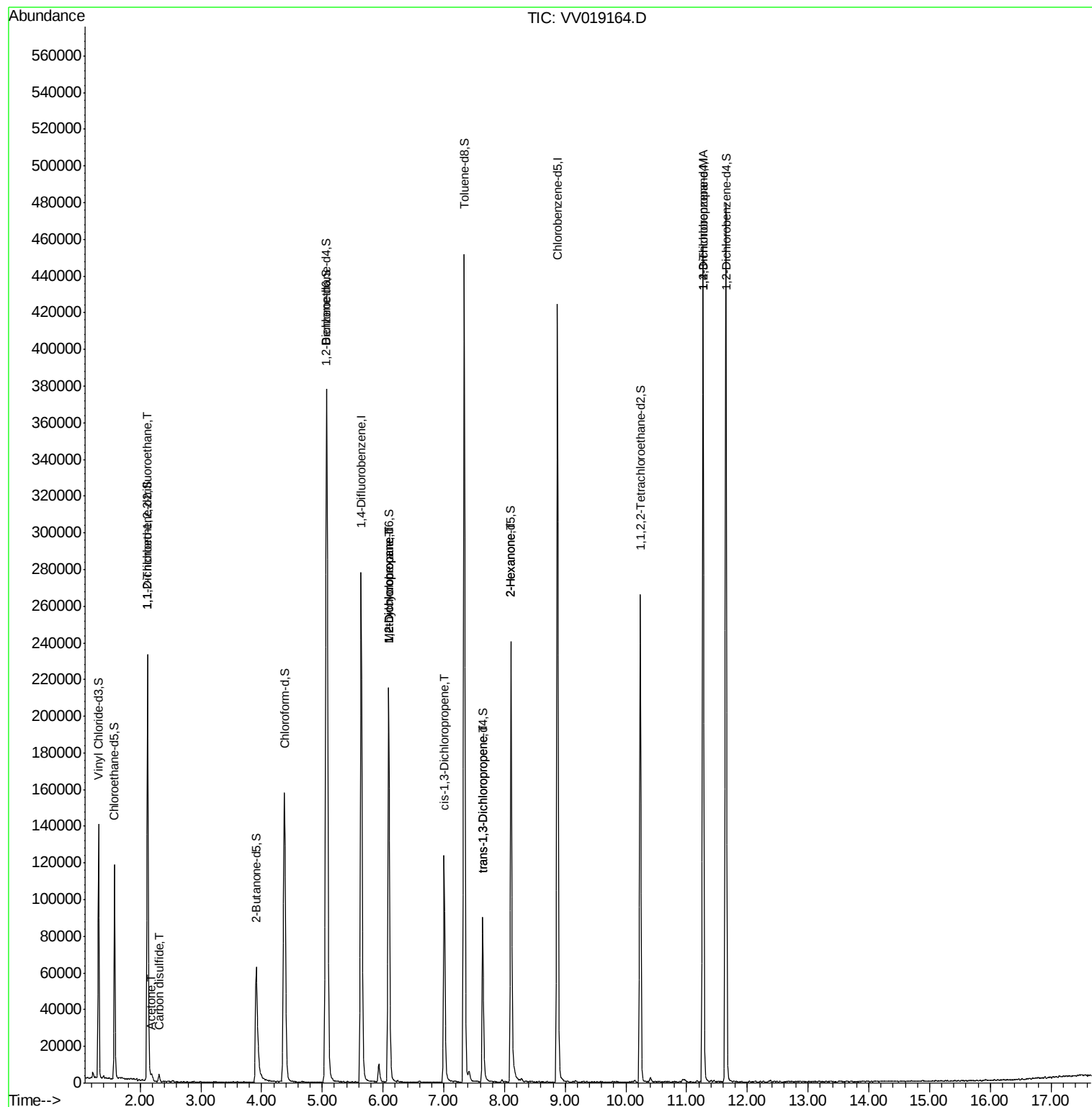
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1151	0.765 ug/L #	17
13) Acetone	2.19	43	4751	4.575 ug/L	89
14) Carbon disulfide	2.31	76	4944	1.056 ug/L	97
35) Methylcyclohexane	6.09	83	24765	10.269 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	12209	7.539 ug/L #	85
39) cis-1,3-Dichloropropene	7.00	75	3587	1.341 ug/L	90
44) trans-1,3-Dichloropropene	7.64	75	2615	0.940 ug/L	97
48) 2-Hexanone	8.11	43	10510	5.919 ug/L #	68
59) 1,2,3-Trichloropropane	11.27	75	12235	5.780 ug/L #	88

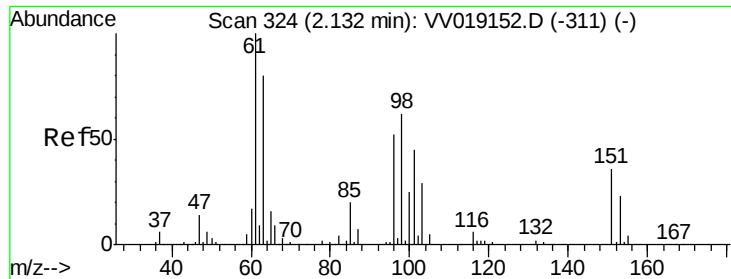
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 30 05:31:22 2020
Response via : Initial Calibration





#10

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

Concen: 0.765 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

Instrument :

MSVOA_V

ClientSampled :

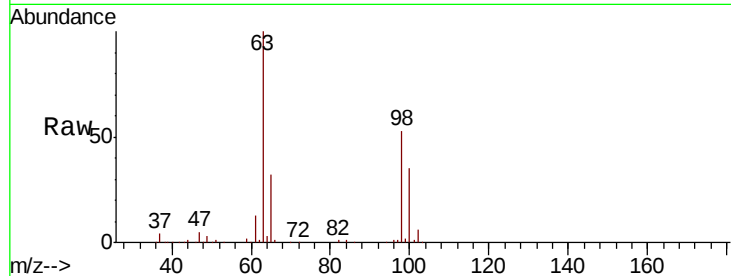
Tot Ion:101 Resp: 1151

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

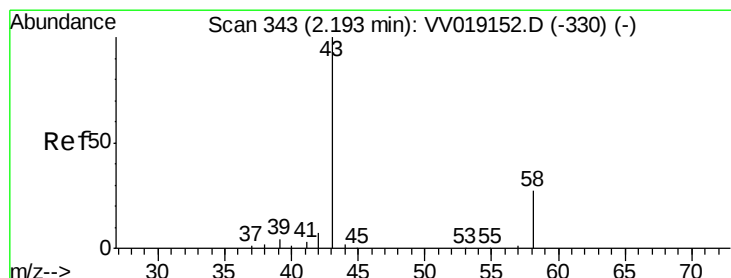
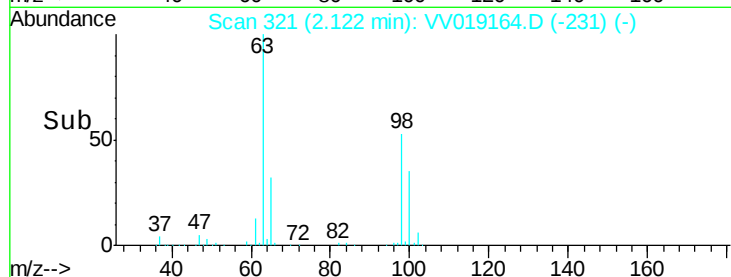
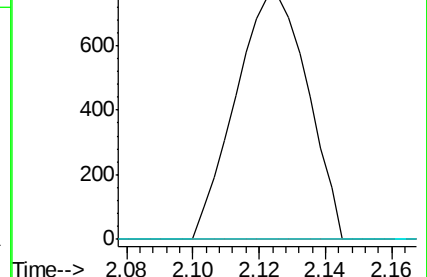
151 0.0 65.0 97.4#



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



#13

Acetone

Concen: 4.575 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019164.D

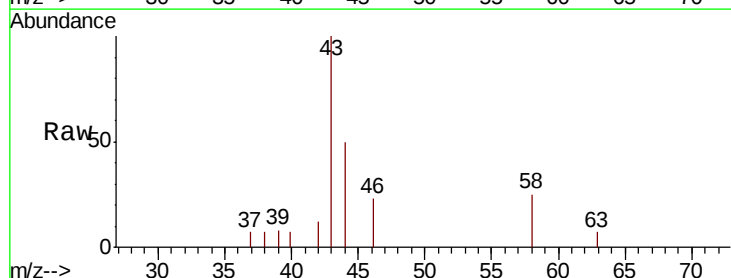
Acq: 29 Oct 2020 23:11

Tgt Ion: 43 Resp: 4751

Ion Ratio Lower Upper

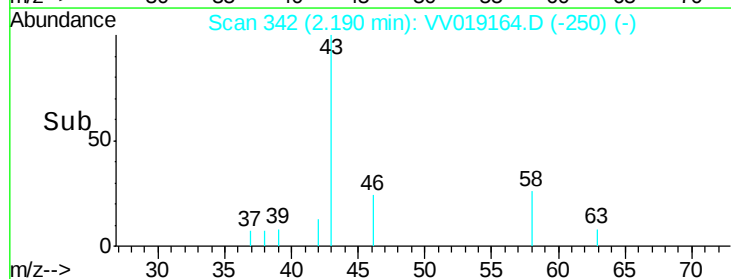
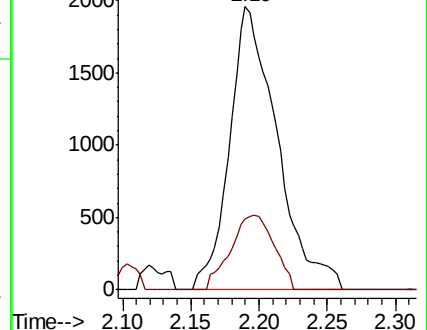
43 100

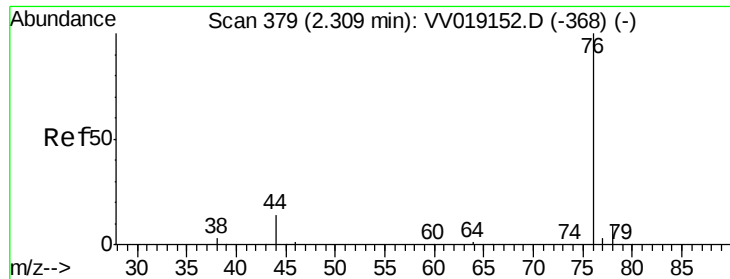
58 24.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 1.056 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

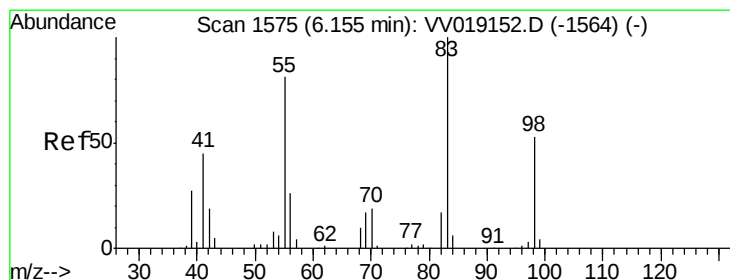
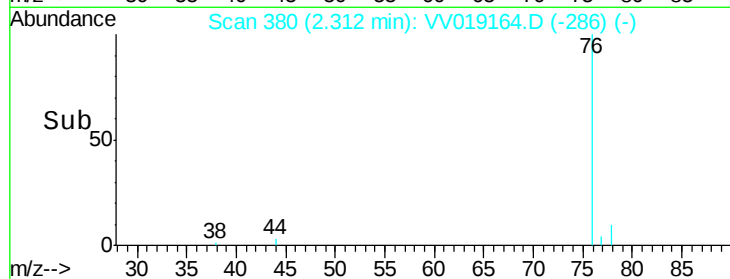
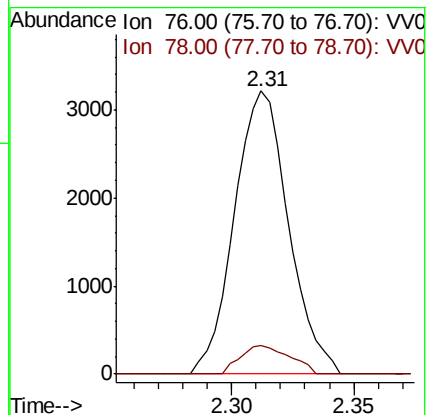
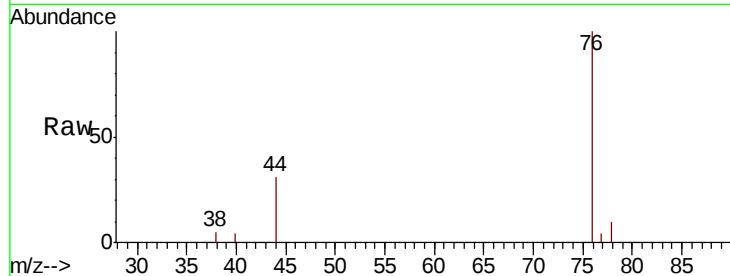
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 4944

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



#35

Methylcyclohexane

Concen: 10.269 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

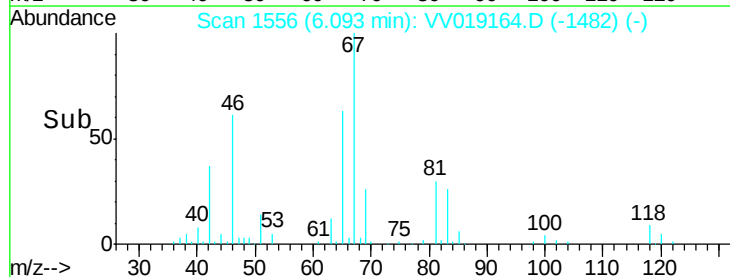
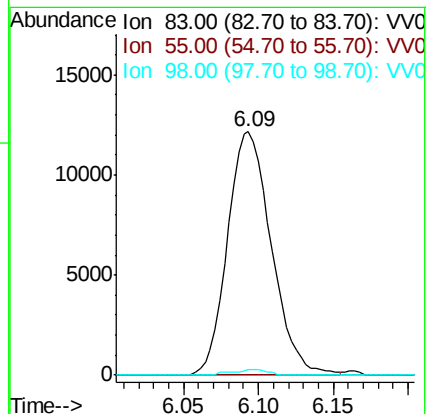
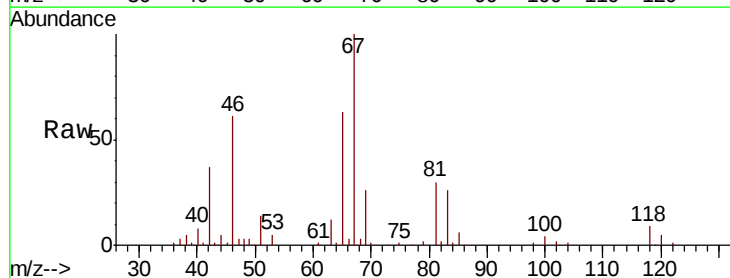
Tgt Ion: 83 Resp: 24765

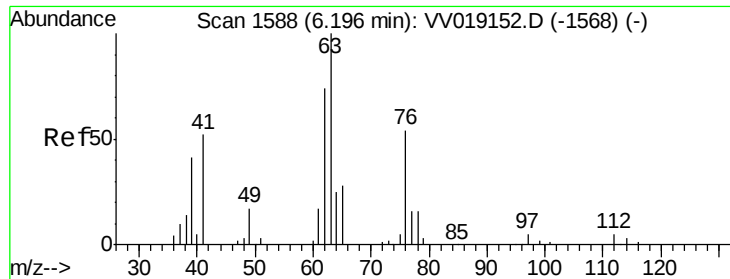
Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 1.3 39.4 59.2#

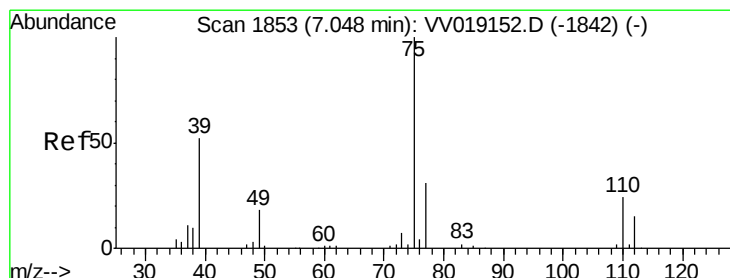
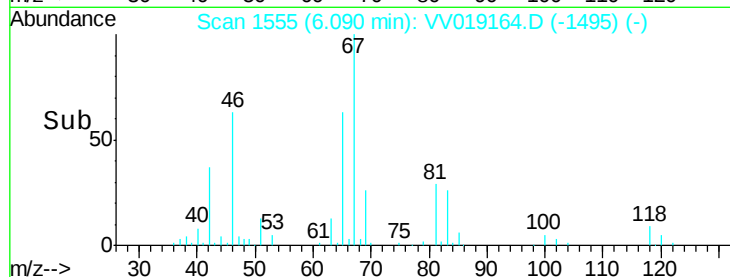
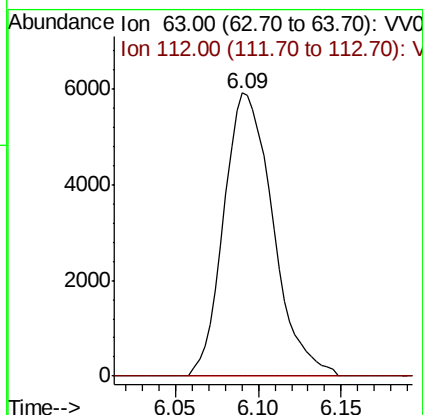
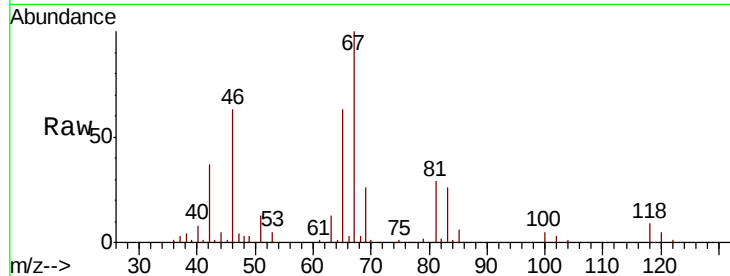




#37
 1,2-Dichloropropane
 Concen: 7.539 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV019164.D
 Acq: 29 Oct 2020 23:11

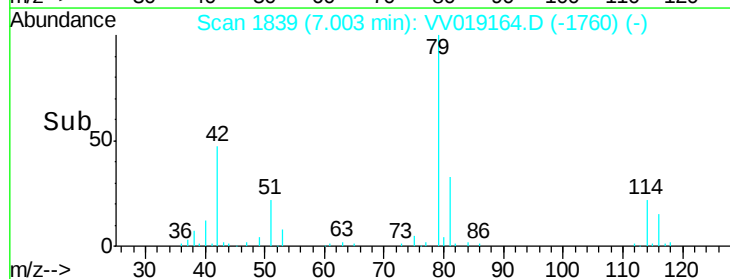
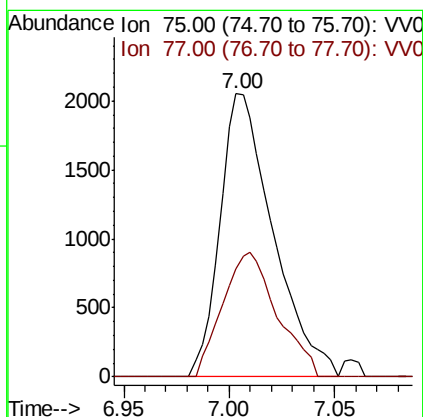
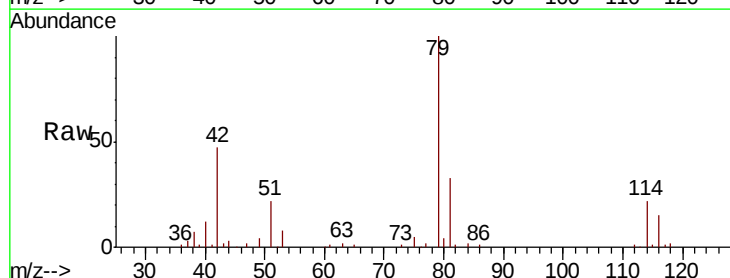
Instrument :
 MSVOA_V
 ClientSampleId :

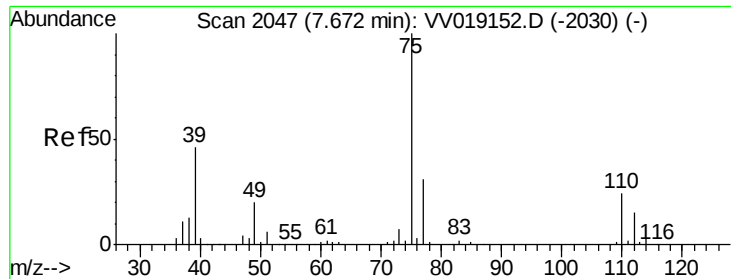
Tot Ion: 63 Resp: 12209
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.341 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: VV019164.D
 Acq: 29 Oct 2020 23:11

Tgt Ion: 75 Resp: 3587
 Ion Ratio Lower Upper
 75 100
 77 38.1 22.7 42.1





#44

trans-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

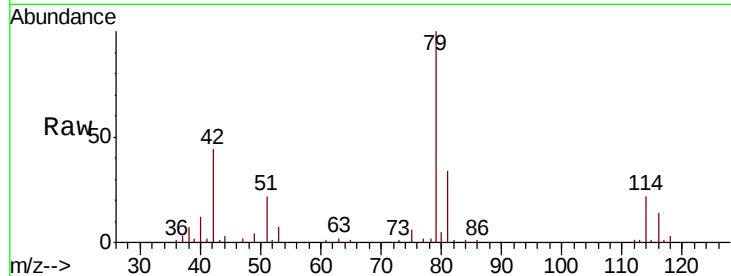
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2615

Ion Ratio Lower Upper

75 100

77 29.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV019152.D (-2030) (-)

7.64

1500

1000

500

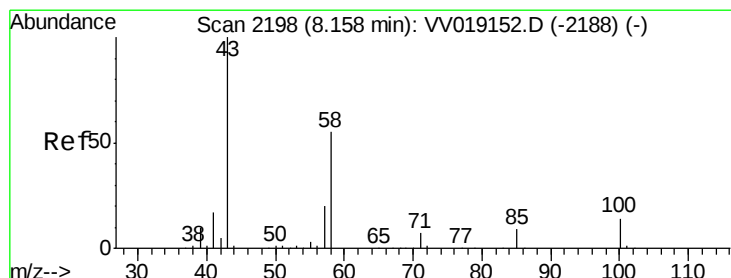
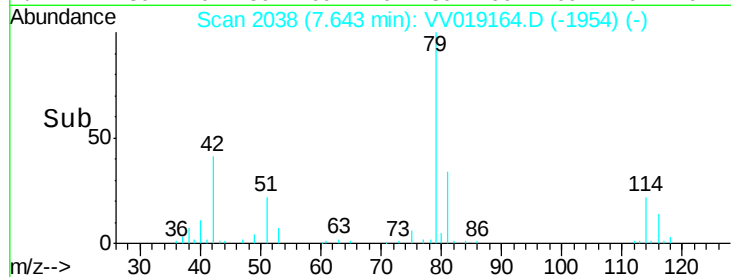
0

Time-->

7.60

7.65

7.70



#48

2-Hexanone

Concen: 5.919 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

Tgt Ion: 43 Resp: 10510

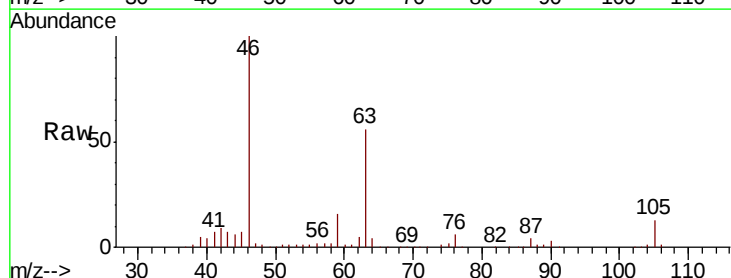
Ion Ratio Lower Upper

43 100

58 27.0 43.6 65.4#

57 26.9 16.0 24.0#

100 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VV019152.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV019152.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV019152.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV019152.D (-2188) (-)

8.11

8000

6000

4000

2000

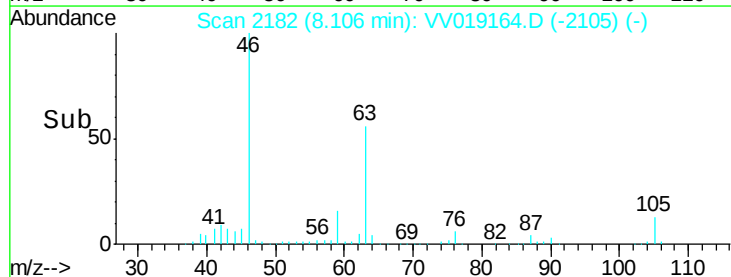
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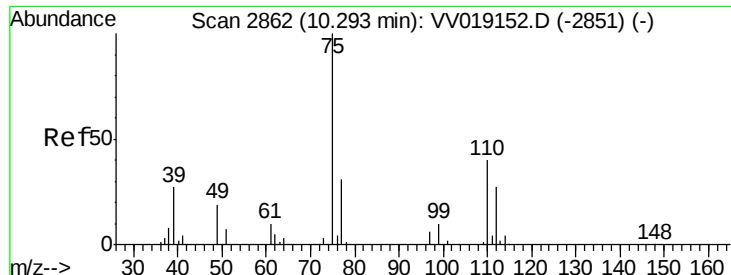
Time-->

8.05

8.10

8.15





#59

1,2,3-Trichloropropane

Concen: 5.780 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019164.D

Acq: 29 Oct 2020 23:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 12235

Ion Ratio Lower Upper

75 100

77 39.4 26.2 39.4#

