

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019741.D
 Acq On : 19 Dec 2020 16:37
 Operator : SY/MD
 Sample : L5101-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW6

Quant Time: Dec 21 03:40:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 03:36:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	697299	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	651680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	302812	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	206647	41.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.66%
7) Chloroethane-d5	1.57	69	179712	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.14%
11) 1,1-Dichloroethene-d2	2.11	63	316624	34.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.24%
21) 2-Butanone-d5	3.89	46	355995	130.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.99%#
24) Chloroform-d	4.35	84	423145	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
26) 1,2-Dichloroethane-d4	5.04	65	298002	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
32) Benzene-d6	5.05	84	832860	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
36) 1,2-Dichloropropane-d6	6.07	67	276137	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.32	98	723370	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%
43) trans-1,3-Dichloropropene-	7.62	79	119155	38.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.96%
47) 2-Hexanone-d5	8.09	63	234715	109.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.84%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	346264	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.63	152	280597	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%

Target Compounds

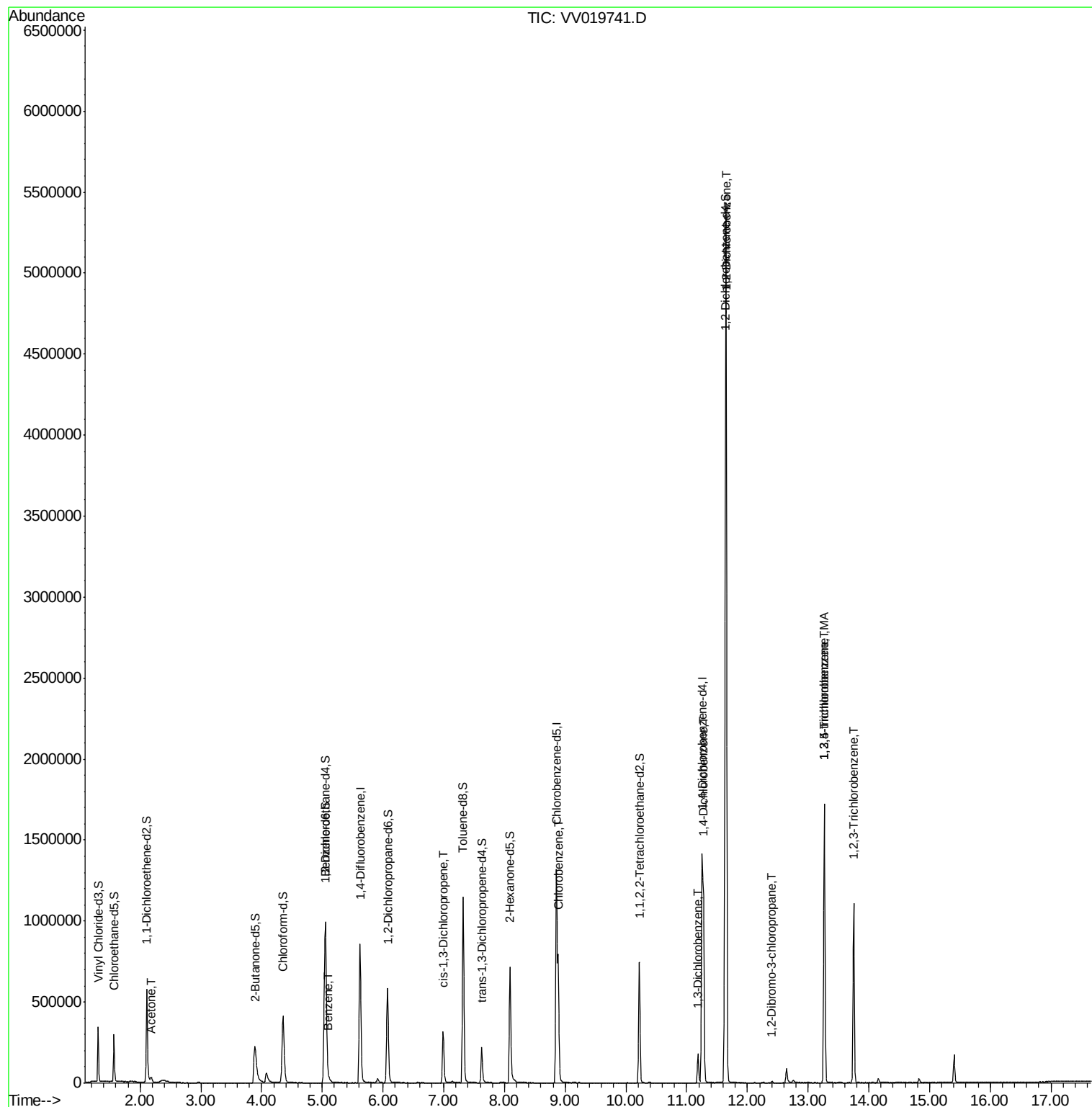
					Ovalue
13) Acetone	2.18	43	39176	16.920	ug/L 96
33) Benzene	5.11	78	23330	1.225	ug/L 100
39) cis-1,3-Dichloropropene	6.99	75	8460	1.024	ug/L # 73
51) Chlorobenzene	8.88	112	377519	29.446	ug/L 99
62) 1,3-Dichlorobenzene	11.19	146	62667	6.745	ug/L 99
63) 1,4-Dichlorobenzene	11.28	146	404009	42.944	ug/L 100
65) 1,2-Dichlorobenzene	11.65	146	1842531	200.704	ug/L 100
66) 1,2-Dibromo-3-chloropropan	12.40	75	1554	0.811	ug/L # 5
67) 1,3,5-Trichlorobenzene	13.27	180	446508	68.023	ug/L 99
68) 1,2,4-trichlorobenzene	13.27	180	446508	72.752	ug/L 100
70) 1,2,3-Trichlorobenzene	13.75	180	282926	47.172	ug/L 99

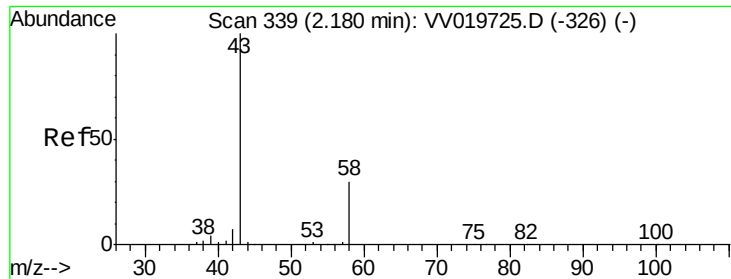
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 16.920 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampleId :

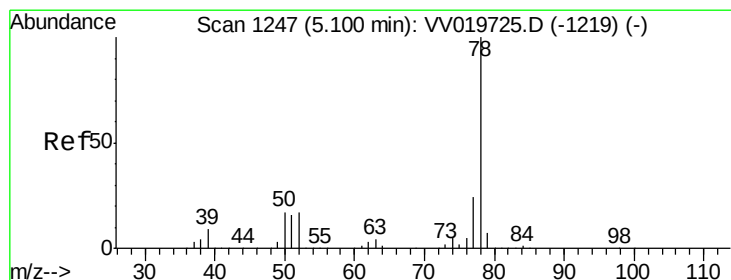
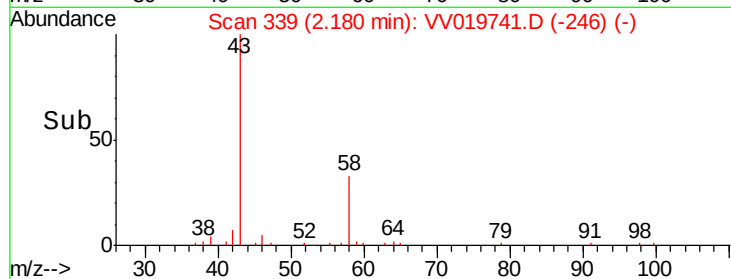
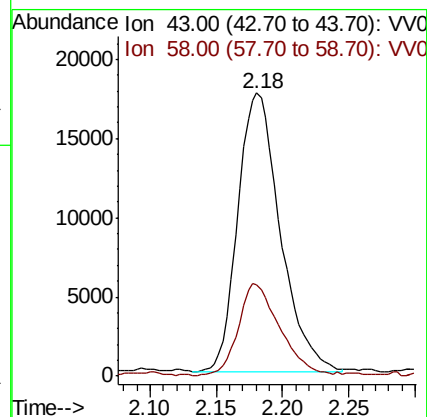
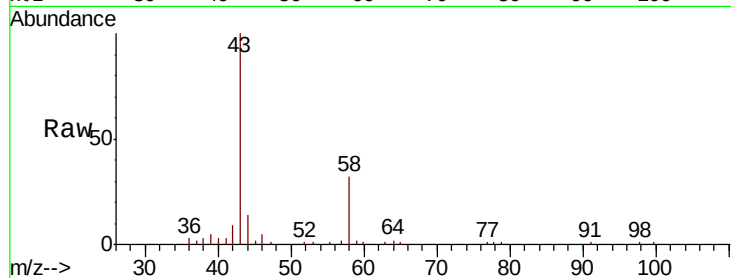
C0FW6

Tot Ion: 43 Resp: 39176

Ion Ratio Lower Upper

43 100

58 32.8 0.0 61.6



#33

Benzene

Concen: 1.225 ug/L

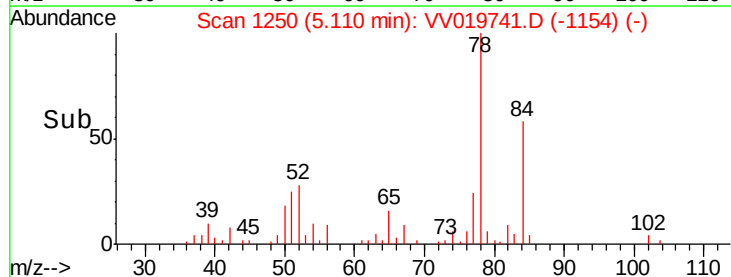
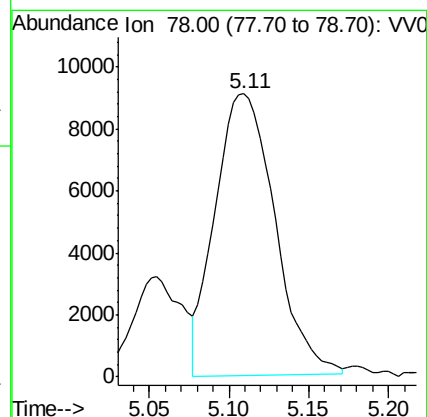
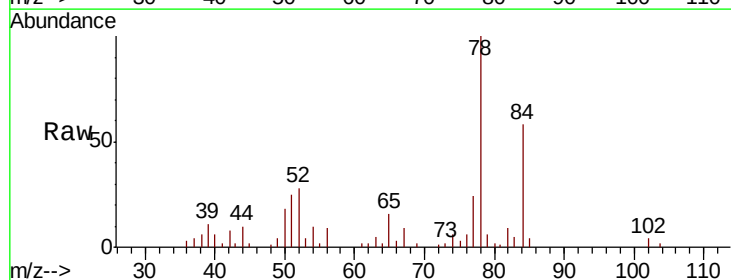
RT: 5.11 min Scan# 1250

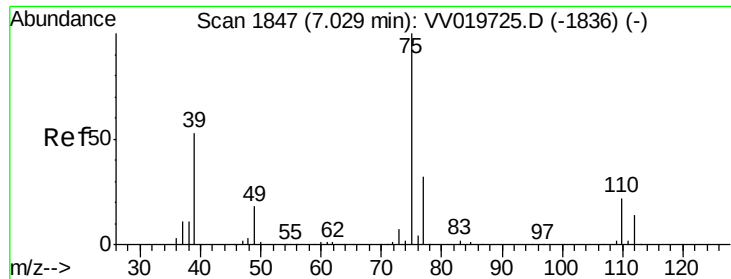
Delta R.T. 0.01 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

Tgt Ion: 78 Resp: 23330





#39

cis-1,3-Dichloropropene

Concen: 1.024 ug/L

RT: 6.99 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampled :

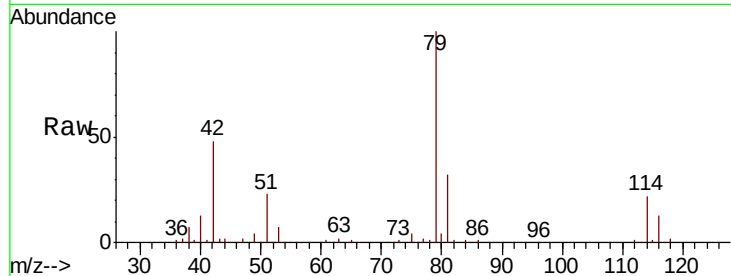
C0FW6

Tot Ion: 75 Resp: 8460

Ion Ratio Lower Upper

75 100

77 47.3 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV019725.D (-1836) (-)

Ion 77.00 (76.70 to 77.70): VV019725.D (-1836) (-)

6.99

4000

3000

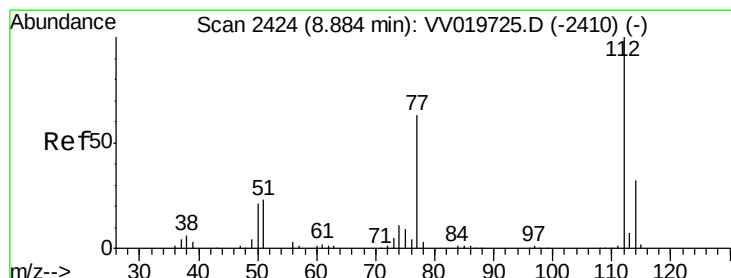
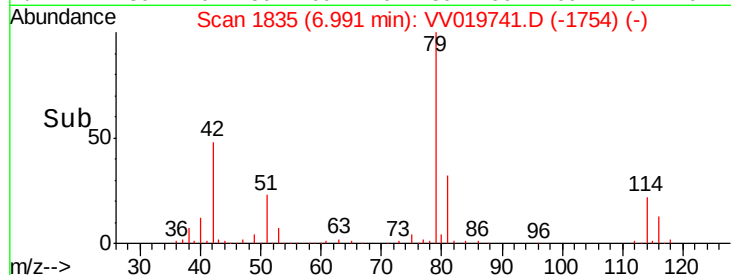
2000

1000

0

6.90 6.95 7.00 7.05

Time-->



#51

Chlorobenzene

Concen: 29.446 ug/L

RT: 8.88 min Scan# 2424

Delta R.T. -0.00 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

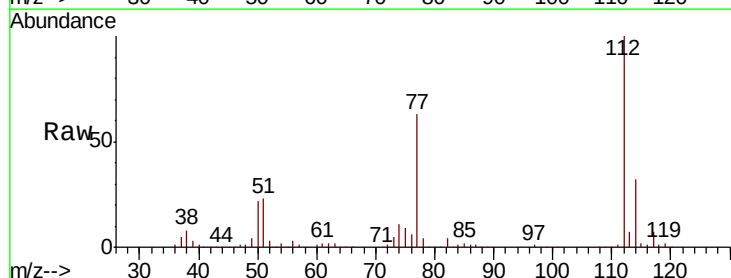
Tgt Ion: 112 Resp: 377519

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 62.7 50.6 75.8



Abundance Ion 112.00 (111.70 to 112.70): VV019725.D (-2410) (-)

Ion 114.00 (113.70 to 114.70): VV019725.D (-2410) (-)

Ion 77.00 (76.70 to 77.70): VV019725.D (-2410) (-)

8.88

300000

250000

200000

150000

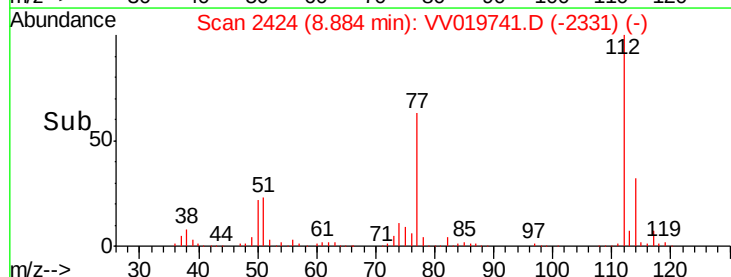
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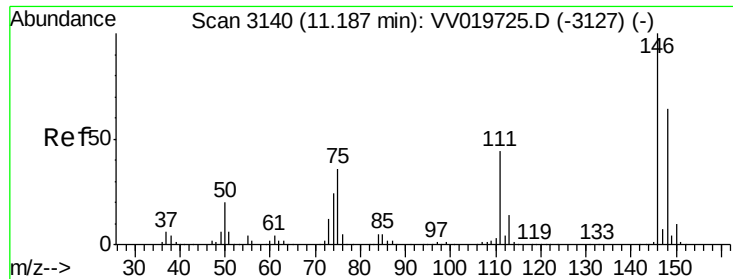
50000

0

8.80 8.85 8.90 8.95

Time-->

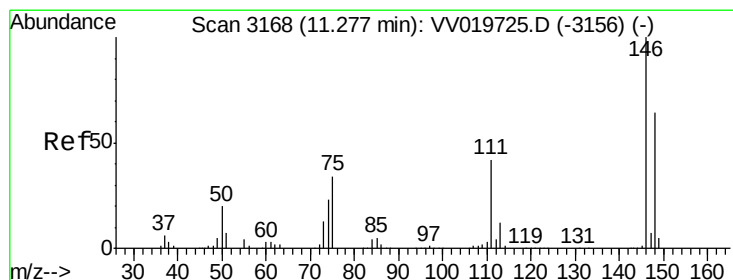
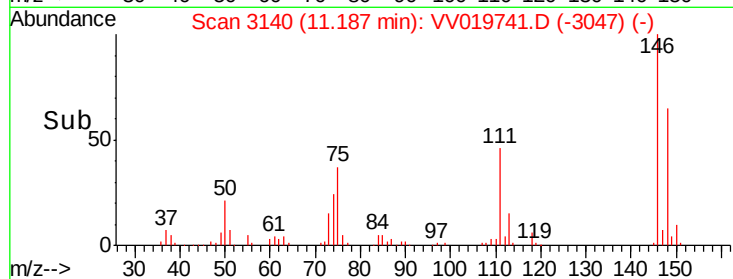
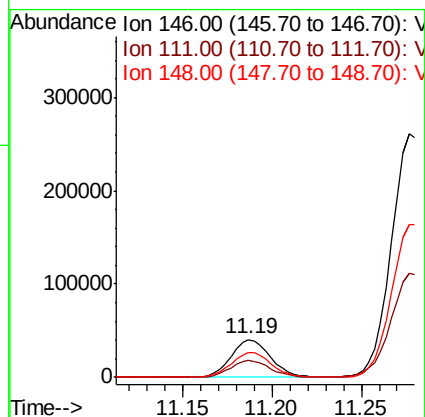
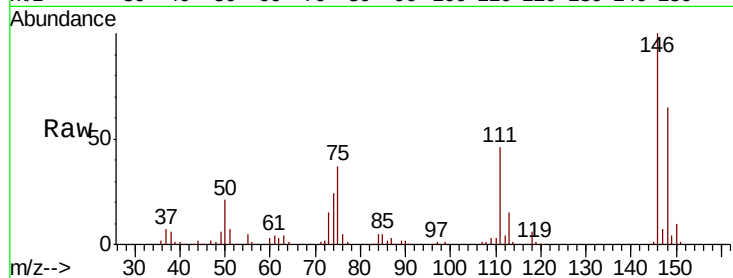




#62
 1,3-Dichlorobenzene
 Concen: 6.745 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019741.D
 Acq: 19 Dec 2020 16:37

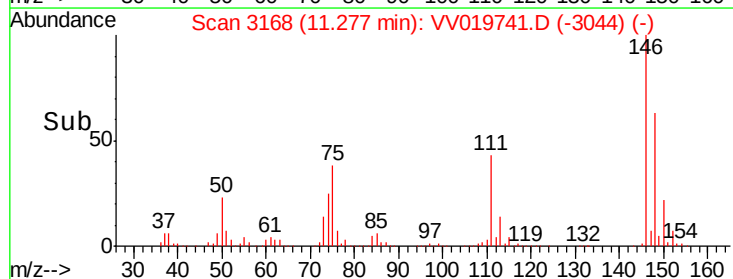
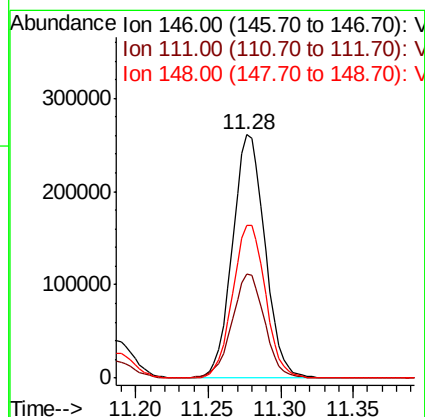
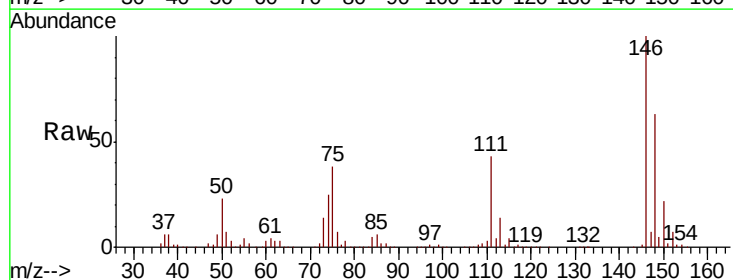
Instrument :
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 ClientSampleId :
 C0FW6

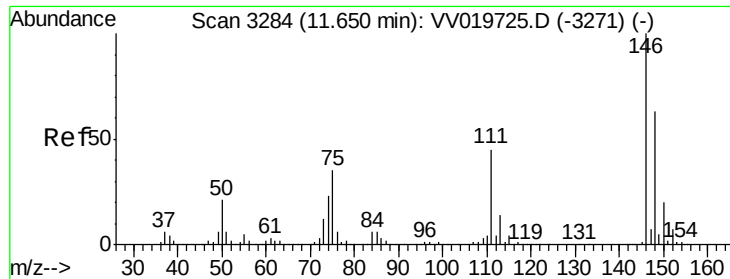
Tot Ion:146 Resp: 62667
 Ion Ratio Lower Upper
 146 100
 111 45.9 30.7 57.1
 148 65.0 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 42.944 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VV019741.D
 Acq: 19 Dec 2020 16:37

Tgt Ion:146 Resp: 404009
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.4
 148 62.7 44.2 82.0

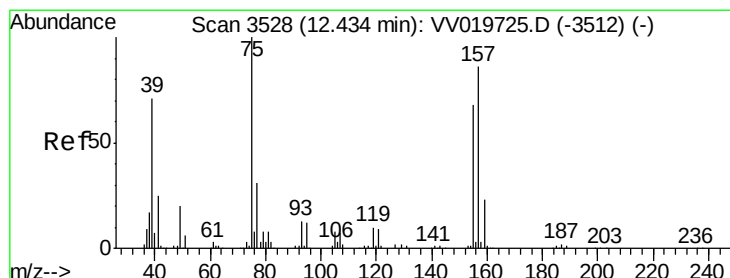
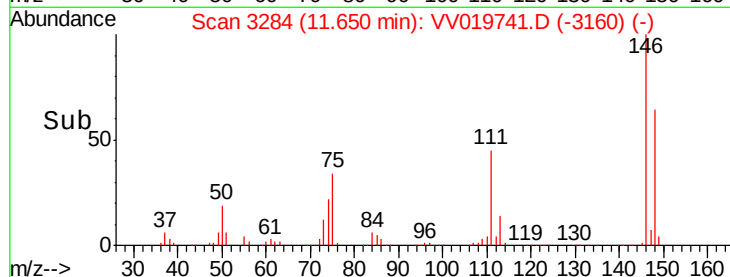
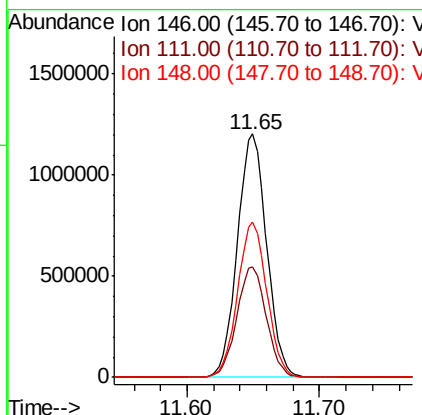
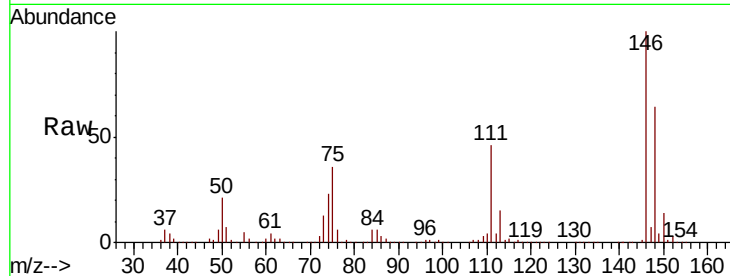




#65
 1,2-Dichlorobenzene
 Concen: 200.704 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019741.D
 Acq: 19 Dec 2020 16:37

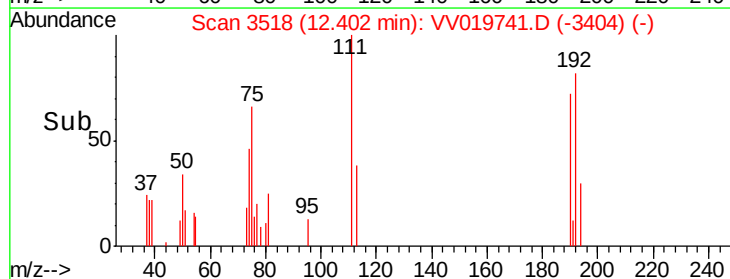
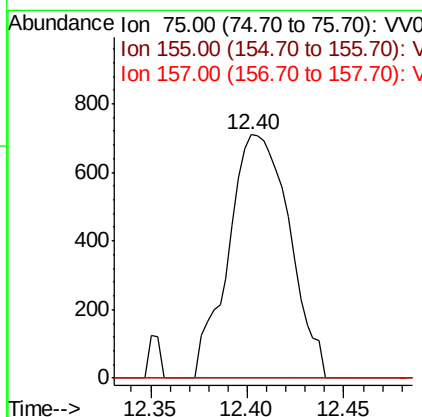
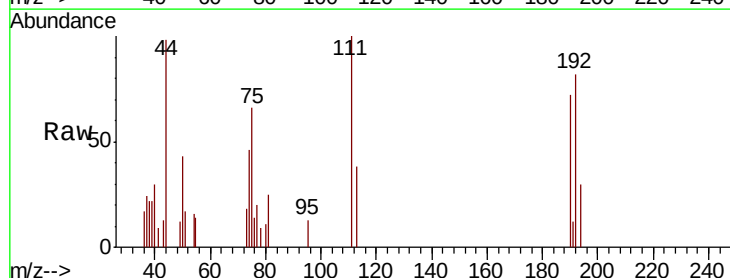
Instrument :
 MSVOA_V
 ClientSampled :
 C0FW6

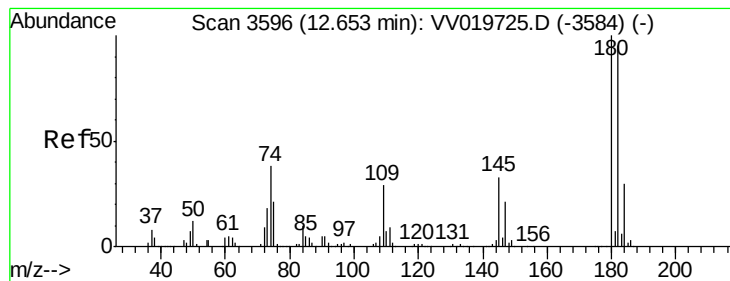
Tot Ion:146 Resp: 1842531
 Ion Ratio Lower Upper
 146 100
 111 45.5 36.6 55.0
 148 63.6 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.811 ug/L
 RT: 12.40 min Scan# 3518
 Delta R.T. -0.03 min
 Lab File: VV019741.D
 Acq: 19 Dec 2020 16:37

Tgt Ion: 75 Resp: 1554
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.1 91.7#
 157 0.0 78.7 118.1#





#67

1,3,5-Trichlorobenzene

Concen: 68.023 ug/L

RT: 13.27 min Scan# 3787

Delta R.T. 0.61 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampleId :

C0FW6

Tot Ion:180 Resp: 446508

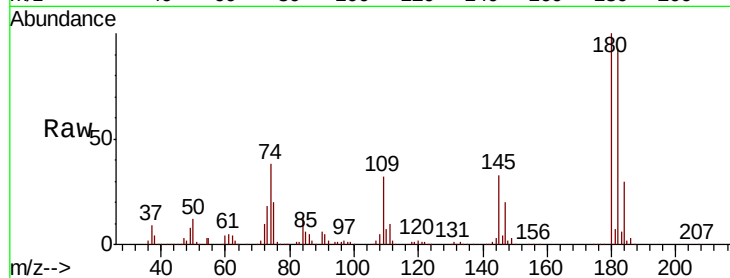
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

184 30.5 23.9 35.9

145 33.3 26.2 39.2

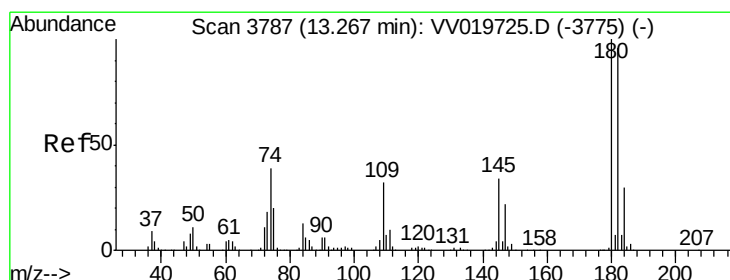
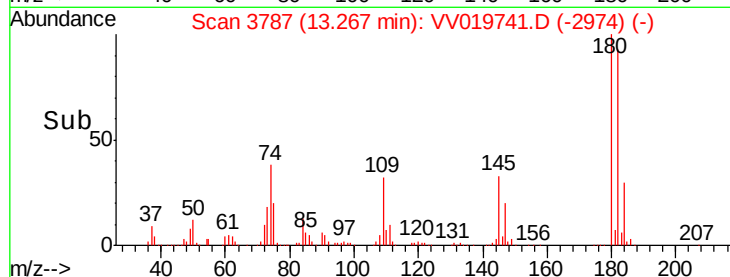
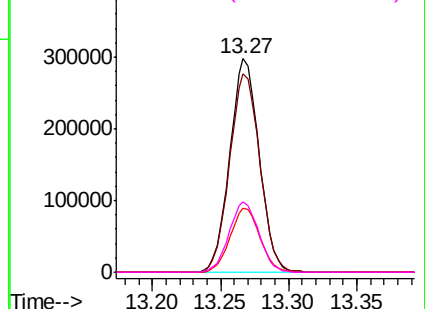


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 72.752 ug/L

RT: 13.27 min Scan# 3787

Delta R.T. 0.00 min

Lab File: VV019741.D

Acq: 19 Dec 2020 16:37

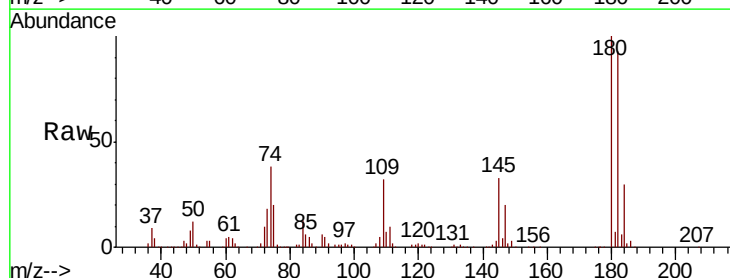
Tgt Ion:180 Resp: 446508

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

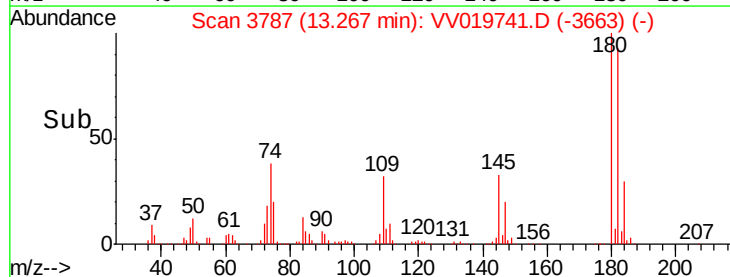
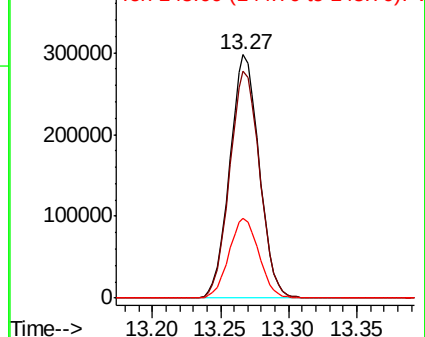
145 33.3 27.0 40.6

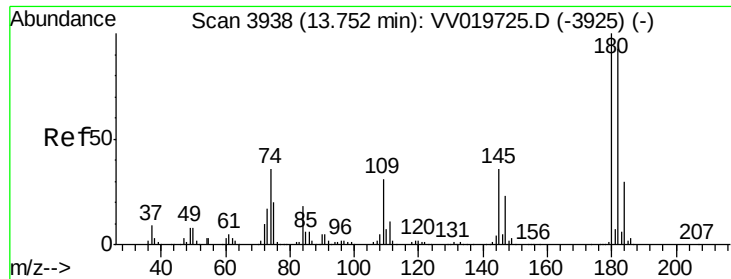


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 47.172 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. 0.00 min
 Lab File: VV019741.D
 Acq: 19 Dec 2020 16:37

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW6

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.6	75.8	113.6	
145	35.8	29.1	43.7	

