

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016716.D
 Acq On : 09 Jun 2020 14:51
 Operator : SY/MD
 Sample : L2901-21MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTR2MSD

Quant Time: Jun 10 00:39:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:34:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	343003	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	163008	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	81921	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.70%
7) Chloroethane-d5	1.56	69	61665	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.92%
11) 1,1-Dichloroethene-d2	2.12	63	149481	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	3.90	46	163382	91.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.21%
24) Chloroform-d	4.37	84	201838	41.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.02%
26) 1,2-Dichloroethane-d4	5.05	65	143948	43.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.00%
32) Benzene-d6	5.07	84	388700	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.96%
36) 1,2-Dichloropropane-d6	6.09	67	123821	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.78%
41) Toluene-d8	7.34	98	346291	40.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.54%
43) trans-1,3-Dichloropropene-	7.64	79	59618	39.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.36%
47) 2-Hexanone-d5	8.11	63	110247	86.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.56%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	175015	45.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	155956	44.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.66%

Target Compounds

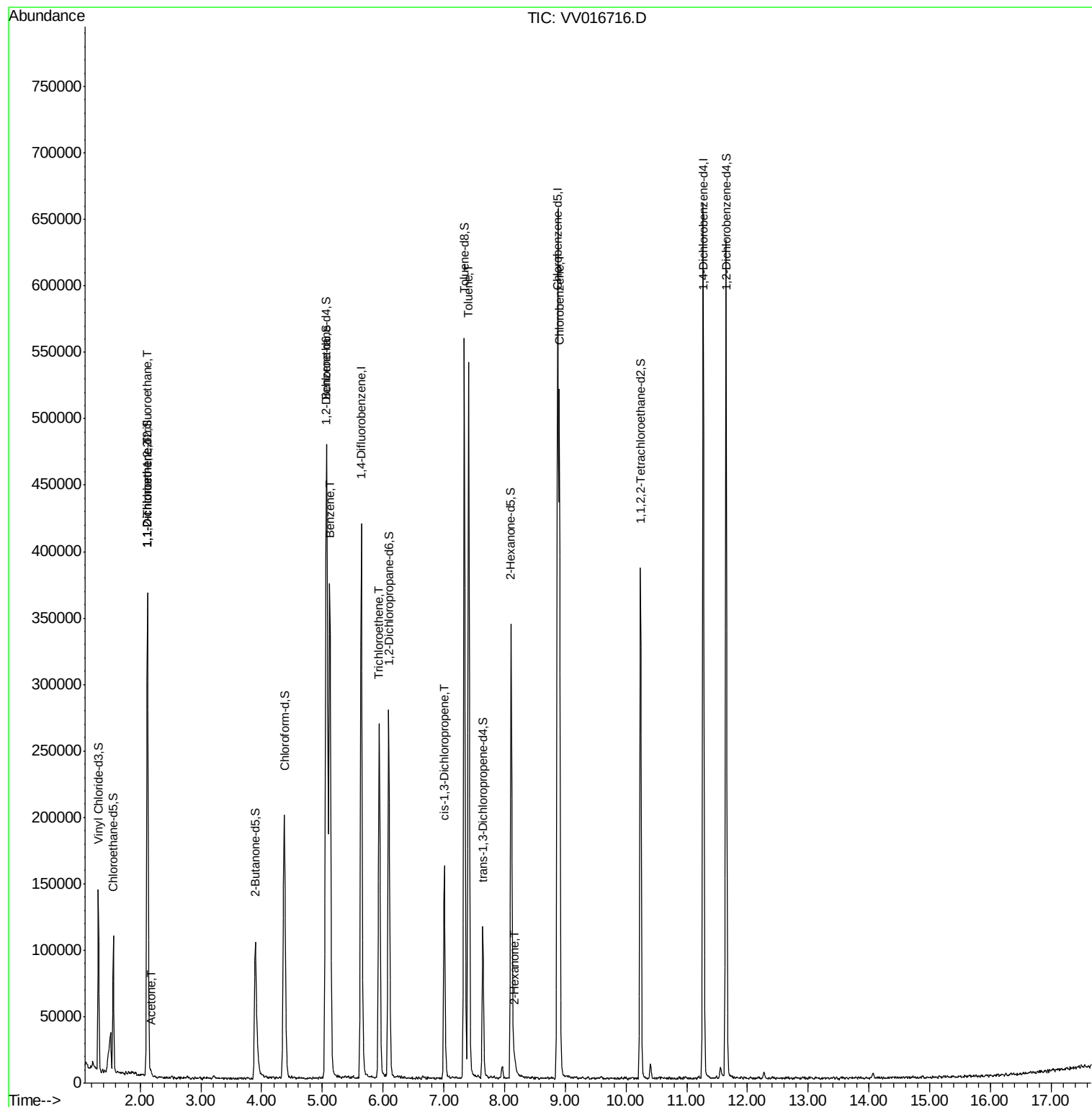
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1174	0.644	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	57781	33.941	ug/L	94
13) Acetone	2.17	43	2887	2.446	ug/L	80
33) Benzene	5.12	78	353219	36.721	ug/L	100
34) Trichloroethene	5.94	95	88974	34.489	ug/L	98
39) cis-1,3-Dichloropropene	7.01	75	4451	1.145	ug/L #	74
42) Toluene	7.41	91	371423	36.628	ug/L	100
48) 2-Hexanone	8.16	43	6839	2.488	ug/L #	89
51) Chlorobenzene	8.90	112	249607	37.729	ug/L	99

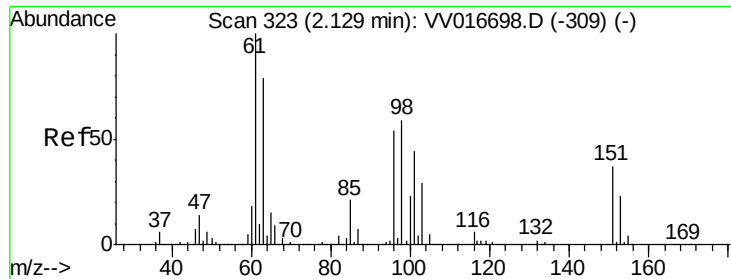
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 10 00:34:30 2020
Response via : Initial Calibration





#10

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

Concen: 0.644 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

ETTR2MSD

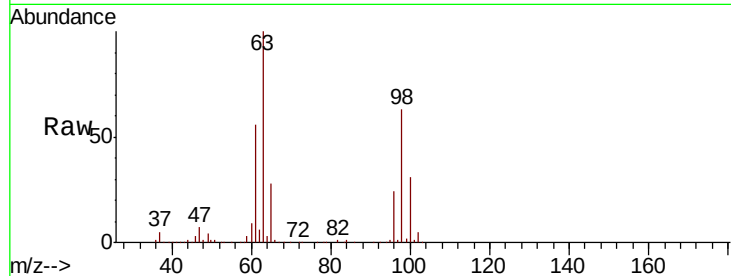
Tot Ion:101 Resp: 1174

Ion Ratio Lower Upper

101 100

85 3.7 35.5 53.3#

151 0.0 63.9 95.9#



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

Time-->

2.08 2.10 2.12 2.14

2.12

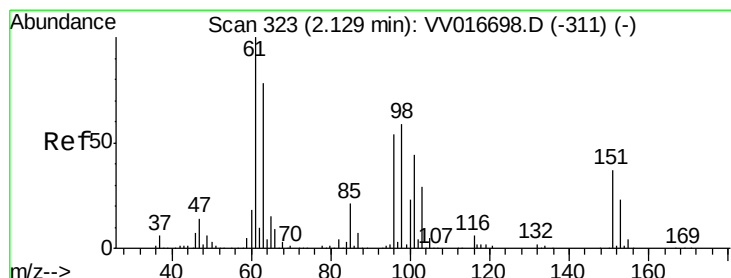
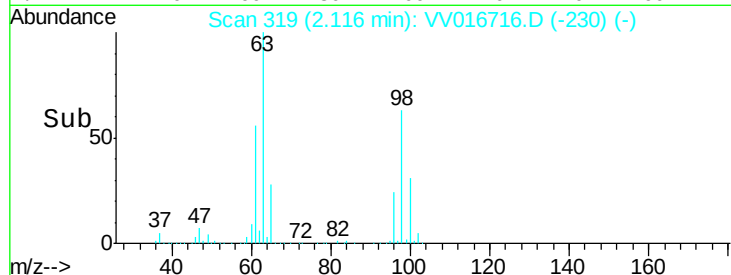
800

600

400

200

0



#12

1,1-Dichloroethene

Concen: 33.941 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

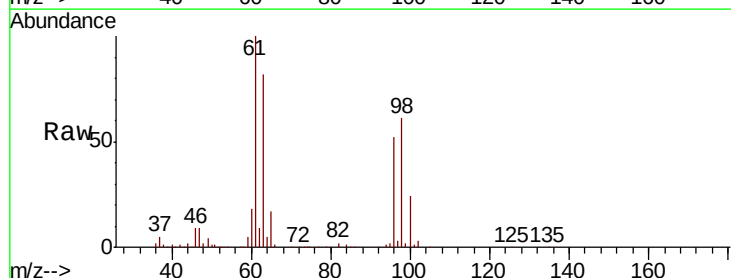
Tgt Ion: 96 Resp: 57781

Ion Ratio Lower Upper

96 100

61 192.7 130.4 242.2

63 158.8 103.3 191.9



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

Time-->

2.05 2.10 2.15 2.20

2.13

120000

100000

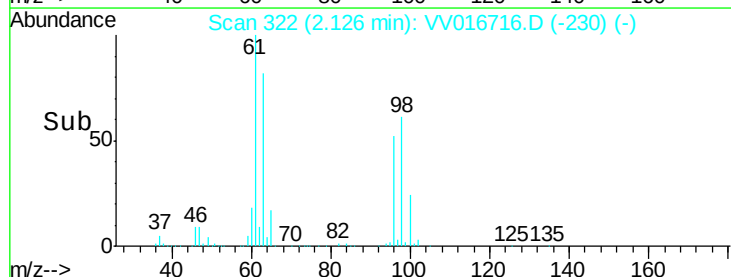
80000

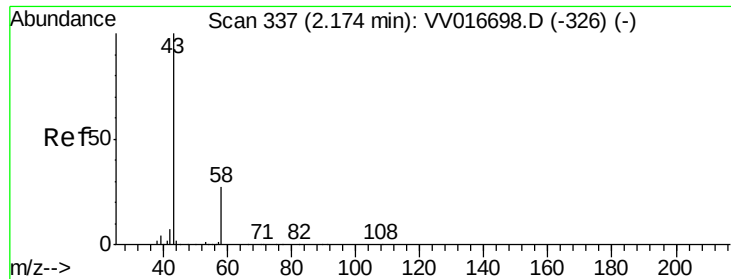
60000

40000

20000

0





#13

Acetone

Concen: 2.446 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

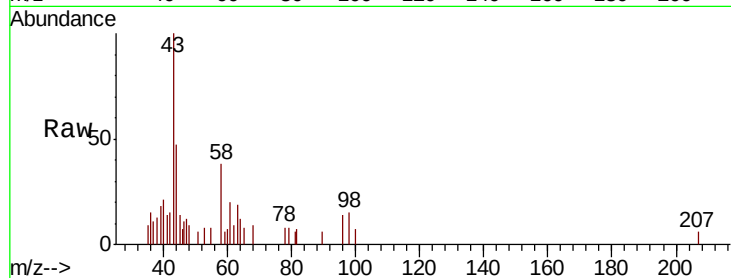
ETTR2MSD

Tot Ion: 43 Resp: 2887

Ion Ratio Lower Upper

43 100

58 37.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016698.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV016698.D (-326) (-)

2.17

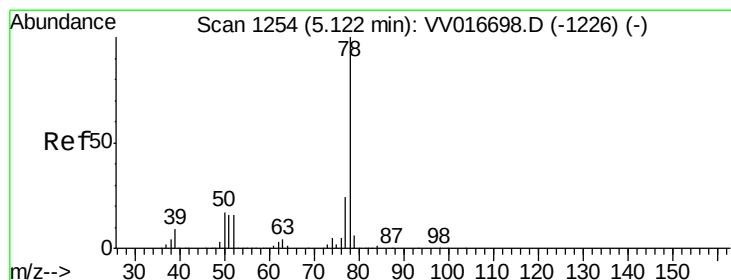
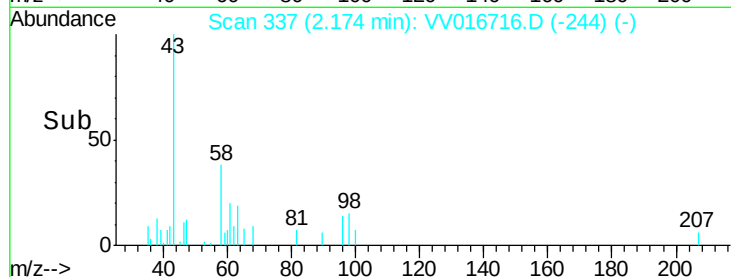
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25



#33

Benzene

Concen: 36.721 ug/L

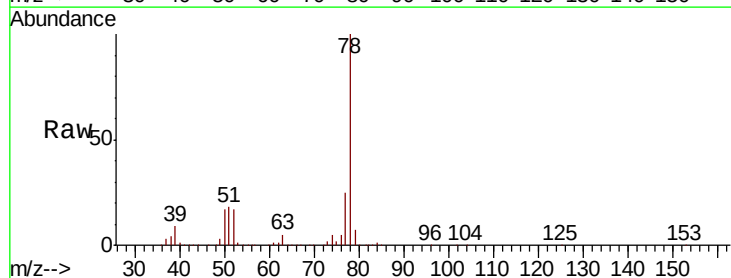
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Tgt Ion: 78 Resp: 353219



Abundance Ion 78.00 (77.70 to 78.70): VV016698.D (-1226) (-)

5.12

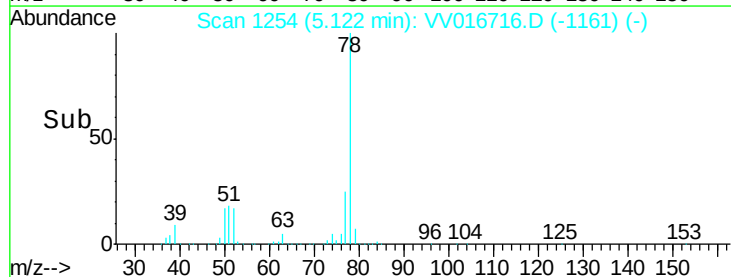
150000

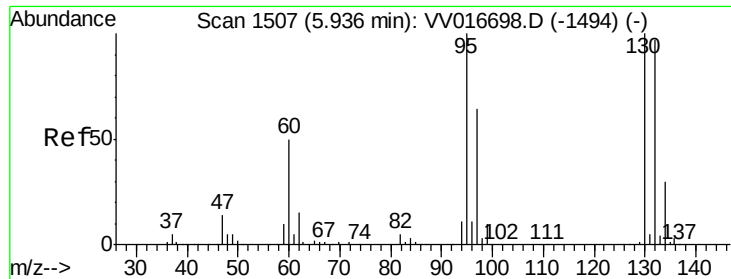
100000

50000

0

Time--> 5.00 5.10 5.20 5.30

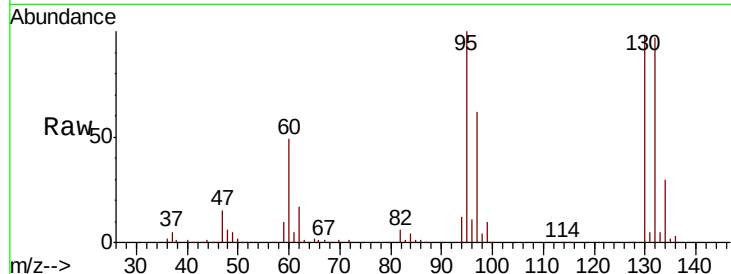




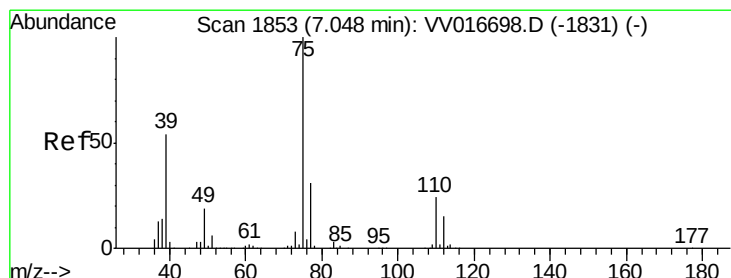
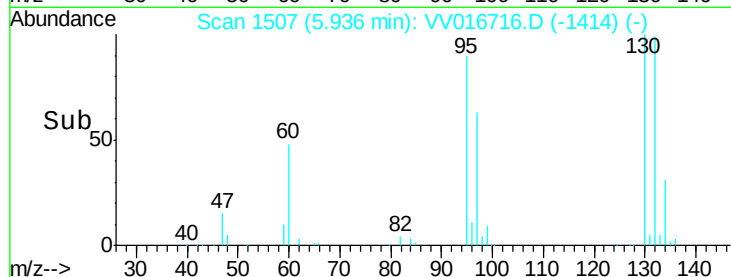
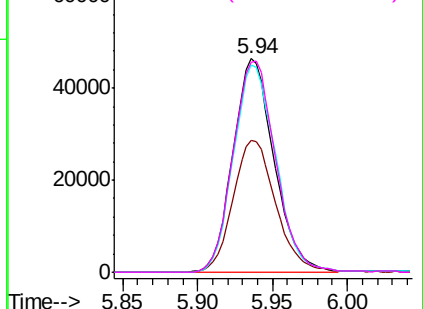
#34
 Trichloroethene
 Concen: 34.489 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016716.D
 Acq: 09 Jun 2020 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTR2MSD

Tot Ion: 95 Resp: 88974
 Ion Ratio Lower Upper
 95 100
 97 61.8 44.3 82.3
 132 97.2 67.9 126.1
 130 98.3 72.2 134.2

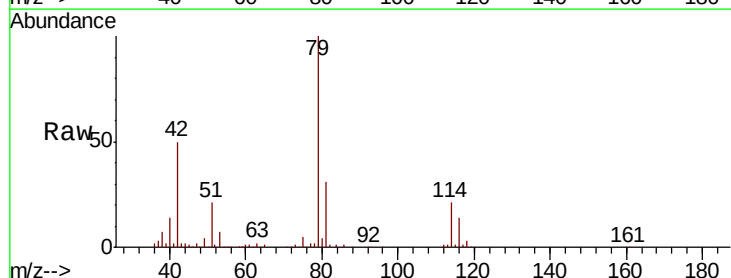


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

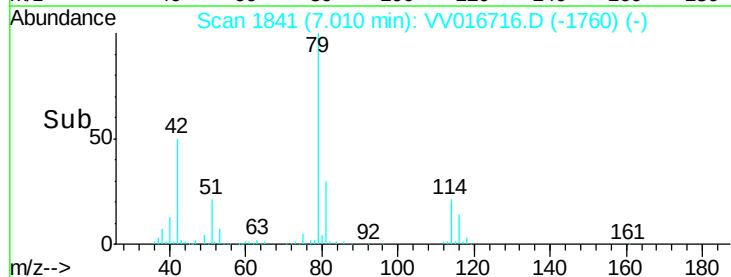
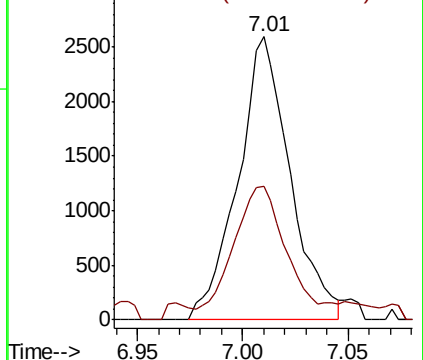


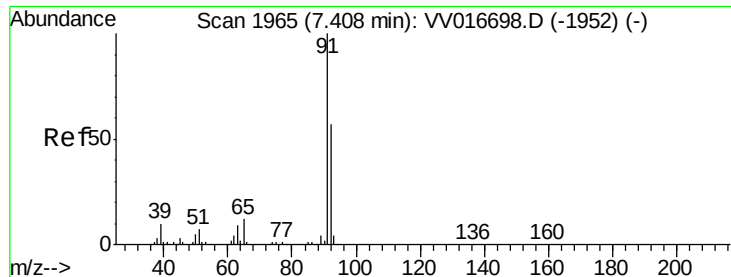
#39
 cis-1,3-Dichloropropene
 Concen: 1.145 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016716.D
 Acq: 09 Jun 2020 14:51

Tgt Ion: 75 Resp: 4451
 Ion Ratio Lower Upper
 75 100
 77 47.2 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#42

Toluene

Concen: 36.628 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

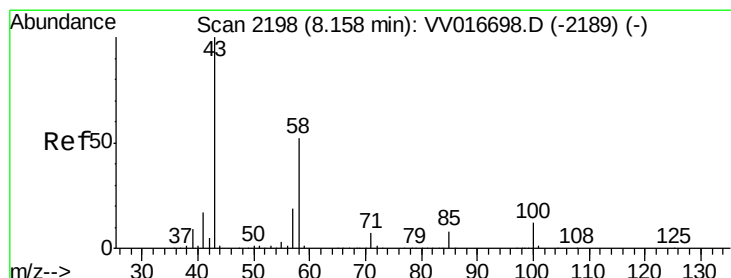
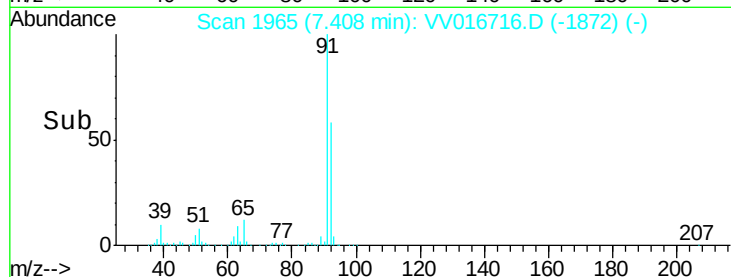
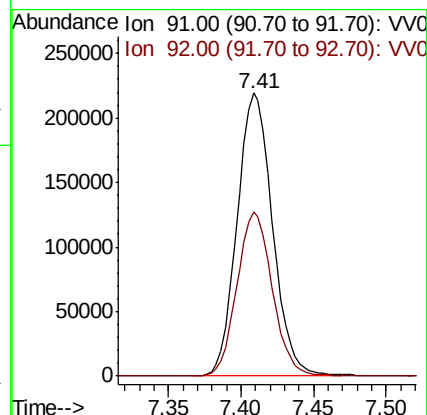
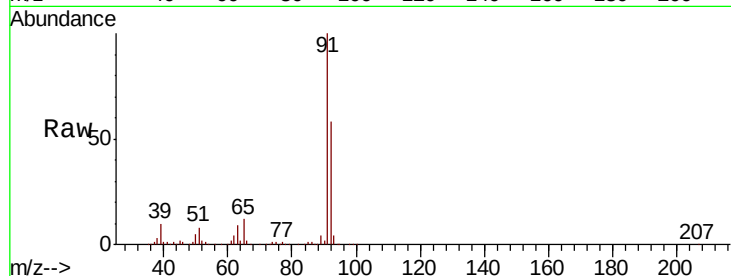
ETTR2MSD

Tot Ion: 91 Resp: 371423

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#48

2-Hexanone

Concen: 2.488 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Tgt Ion: 43 Resp: 6839

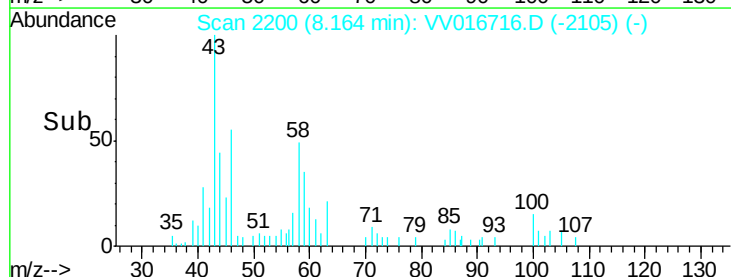
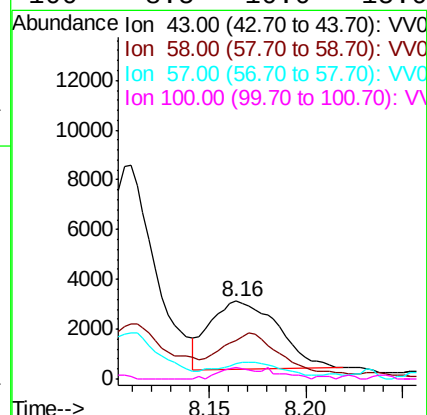
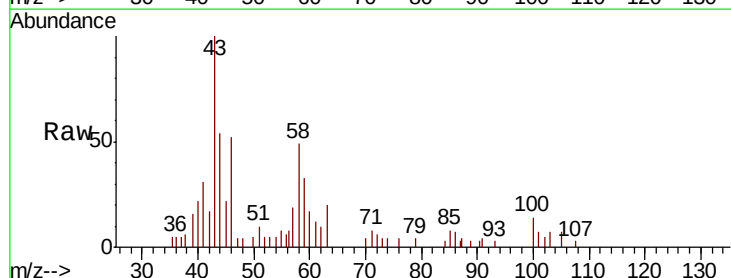
Ion Ratio Lower Upper

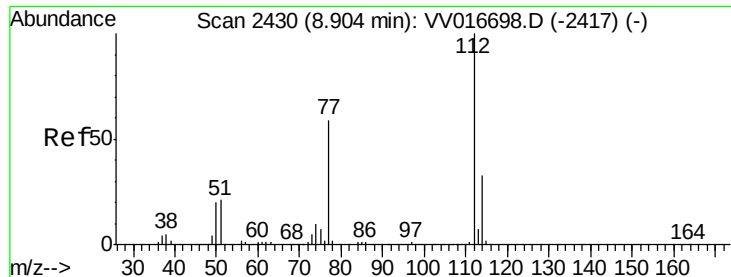
43 100

58 45.9 43.1 64.7

57 23.2 15.3 22.9#

100 8.5 10.0 15.0#





#51

Chlorobenzene

Concen: 37.729 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

ETTR2MSD

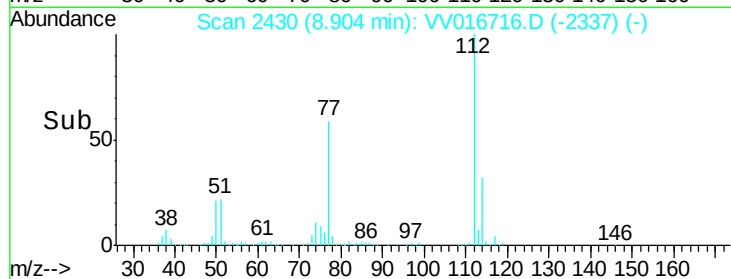
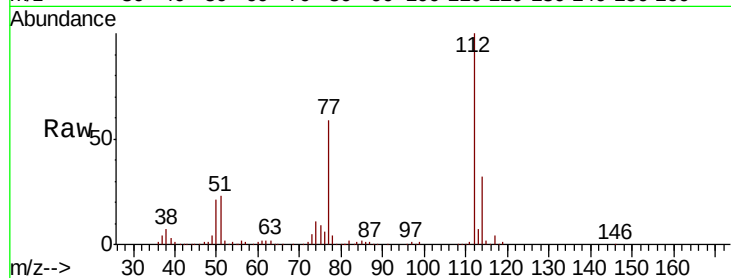
Tot Ion:112 Resp: 249607

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 59.4 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

