

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017317.D
 Acq On : 02 Jul 2020 19:49
 Operator : SY/MD
 Sample : L3154-02DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 06:17:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	170809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	163333	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80254	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44084	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	34298	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	66864	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.92	46	94296	36.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.18%
24) Chloroform-d	4.38	84	93441	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.06	65	50867	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.08	84	175142	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.10	67	50635	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.34	98	157562	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
45) trans-1,3-Dichloropropene-	7.65	79	19328	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
48) 2-Hexanone-d5	8.11	63	61952	30.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	61.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33898	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	63170	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	86777	7.742	ug/L	99
8) Chloroethane	1.60	64	1727	0.279	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	790	0.087	ug/L #	20
12) 1,1-Dichloroethene	2.14	96	2189	0.267	ug/L #	1
16) Methylene chloride	2.52	84	4912	0.560	ug/L	90
18) trans-1,2-Dichloroethene	2.78	96	19852	2.285	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	95496	8.039	ug/L	97
33) Benzene	5.14	78	3604	0.084	ug/L	100
34) Trichloroethene	5.94	95	20446	1.632	ug/L	96
35) Methylcyclohexane	6.09	83	12747	0.655	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6667	0.630	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1534	0.098	ug/L	92
42) Toluene	7.42	91	5485	0.110	ug/L	94
43) 1,3,5-Trimethylbenzene	11.36	105	2605	0.059	ug/L	100
44) 1,2,4-Trimethylbenzene	11.36	105	2605	0.058	ug/L	95
46) trans-1,3-Dichloropropene	7.64	75	1177	0.086	ug/L	85
50) 2-Hexanone	8.16	43	5915	1.360	ug/L #	89

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Quant Time: Jul 03 06:17:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 06:15:26 2020
Response via : Initial Calibration

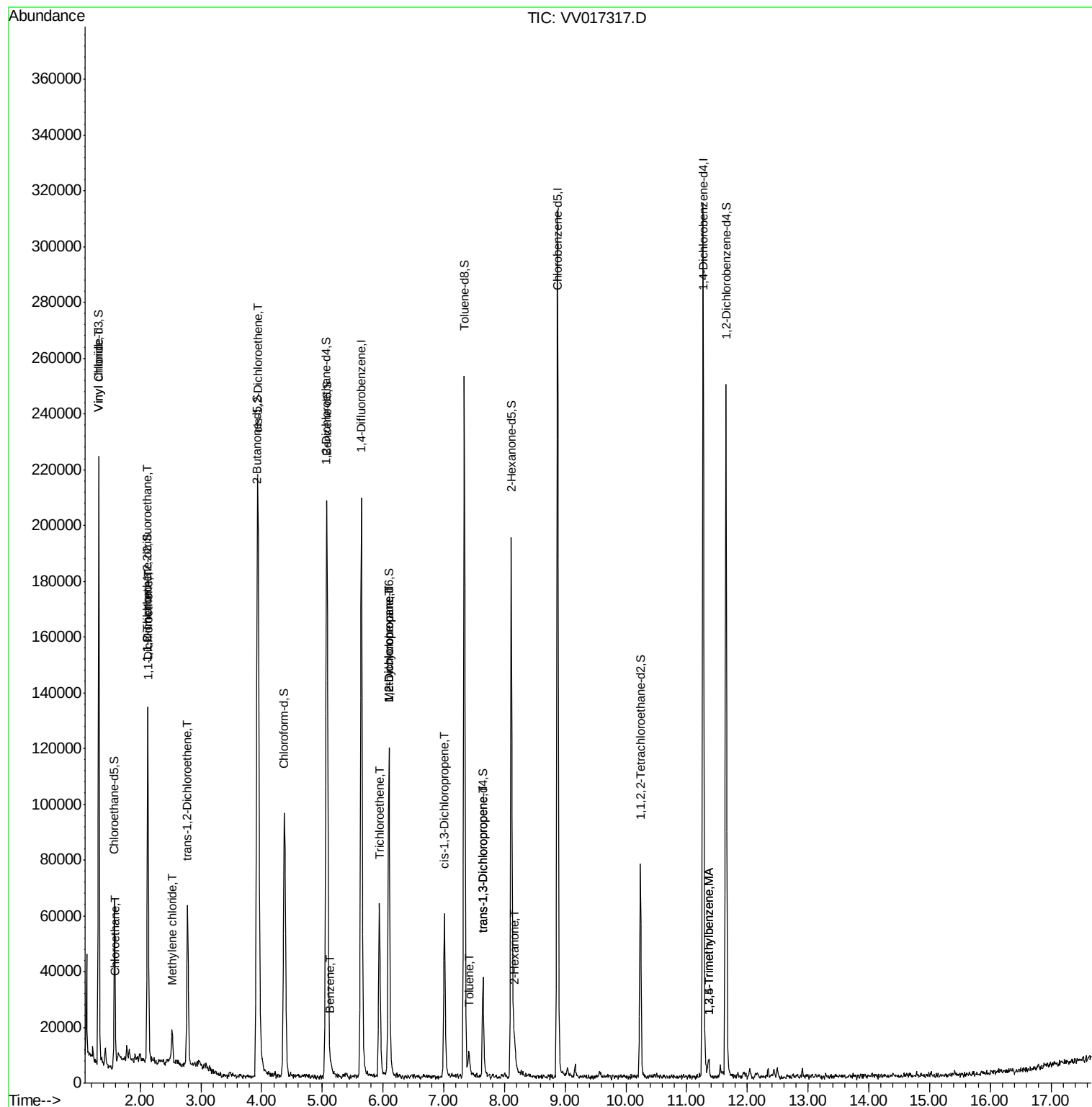
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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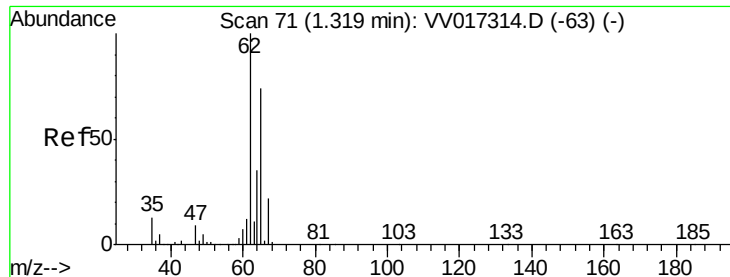
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.742 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

Instrument :

MSVOA_V

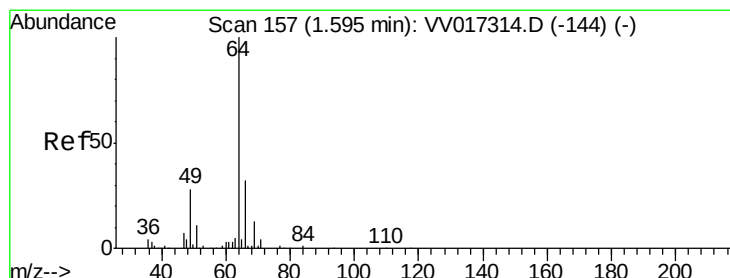
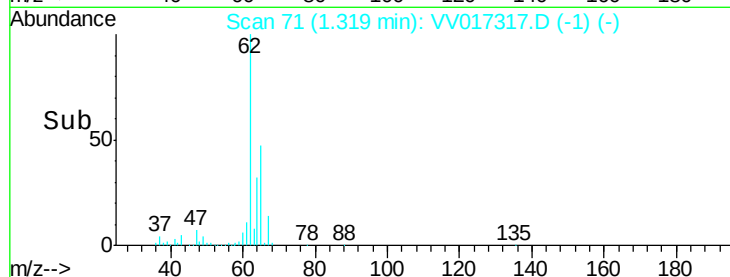
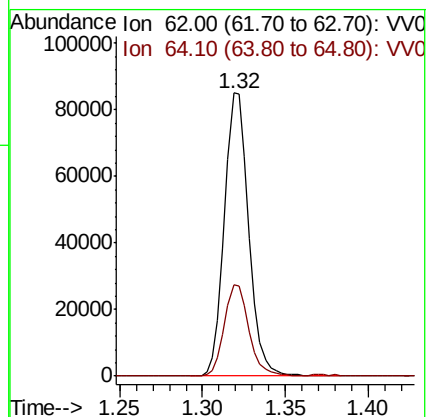
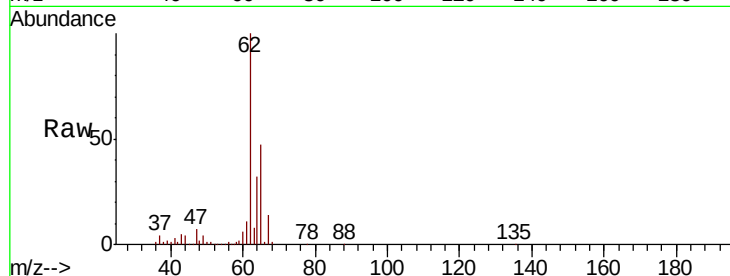
ClientSampleId :

Tot Ion: 62 Resp: 86777

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#8

Chloroethane

Concen: 0.279 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV017317.D

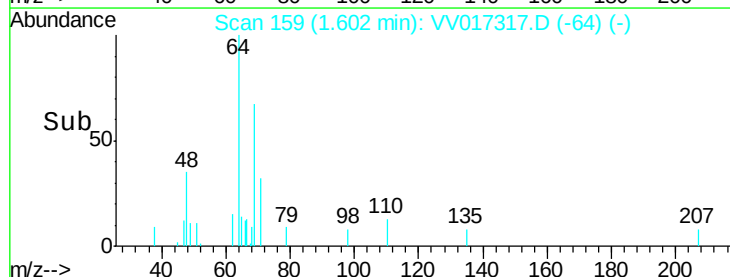
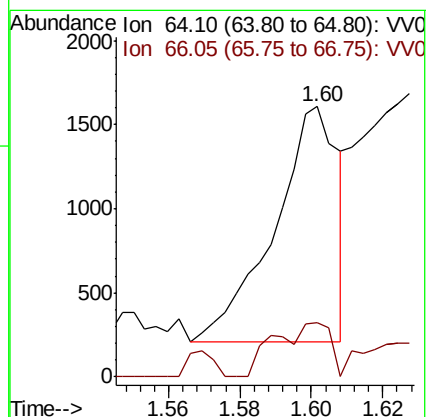
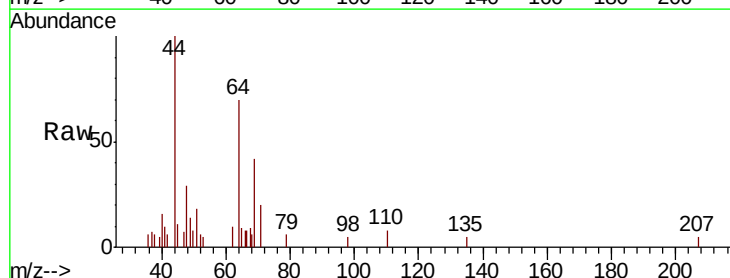
Acq: 02 Jul 2020 19:49

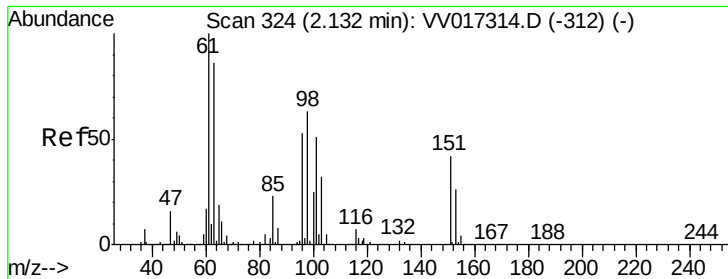
Tgt Ion: 64 Resp: 1727

Ion Ratio Lower Upper

64 100

66 20.1 22.8 42.4#





#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

Instrument :

MSVOA_V

ClientSampleId :

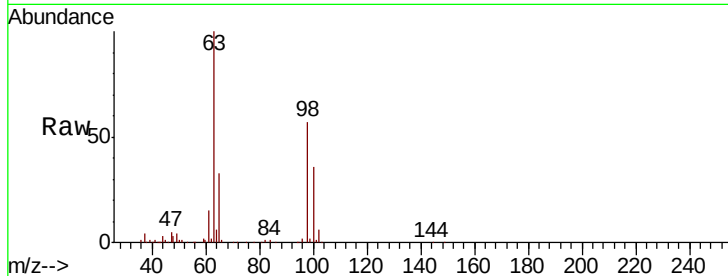
Tot Ion:101 Resp: 790

Ion Ratio Lower Upper

101 100

85 5.6 35.4 53.2#

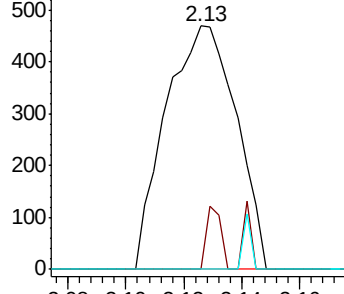
151 0.0 63.9 95.9#



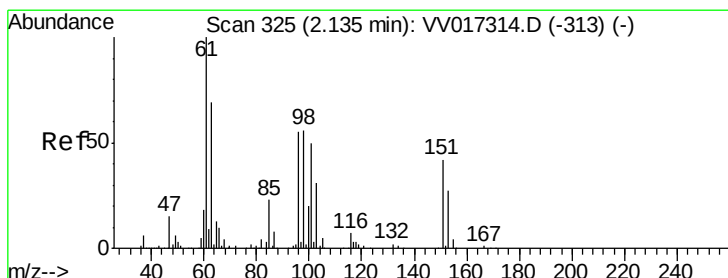
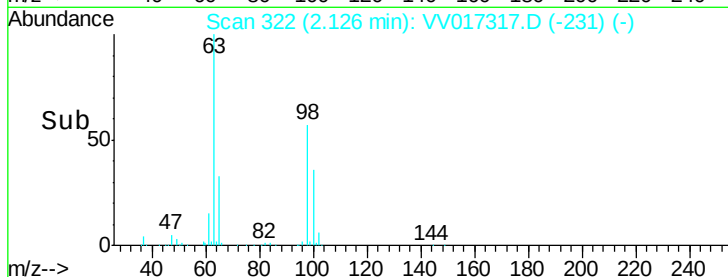
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

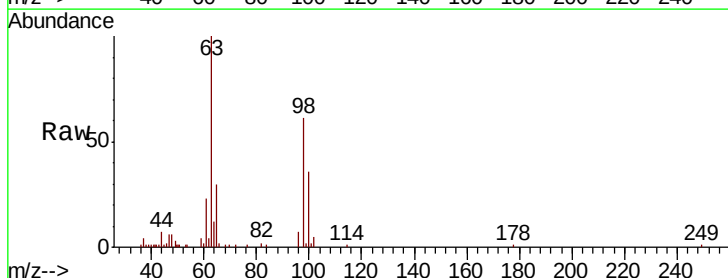
Tgt Ion: 96 Resp: 2189

Ion Ratio Lower Upper

96 100

61 315.4 125.0 232.2#

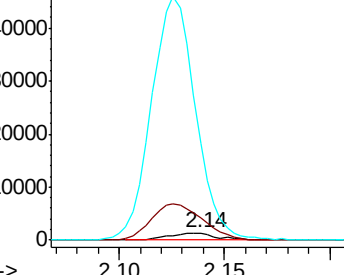
63 1356.9 109.8 203.8#



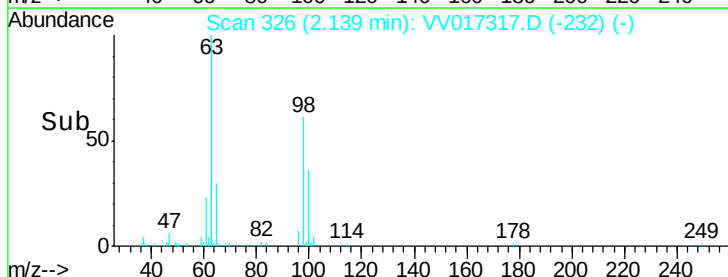
Abundance Ion 96.00 (95.70 to 96.70): VV0

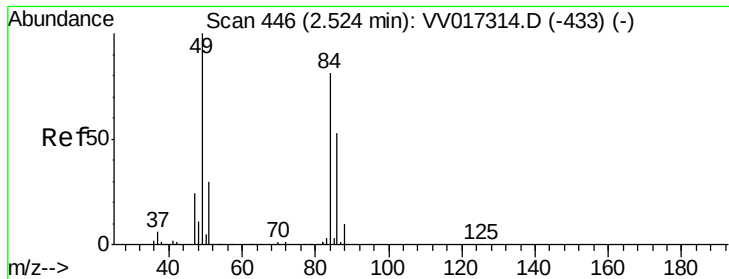
Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->

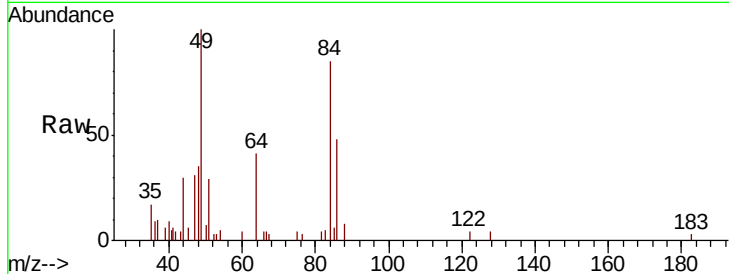




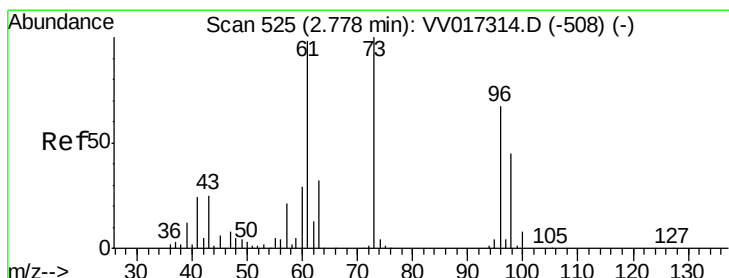
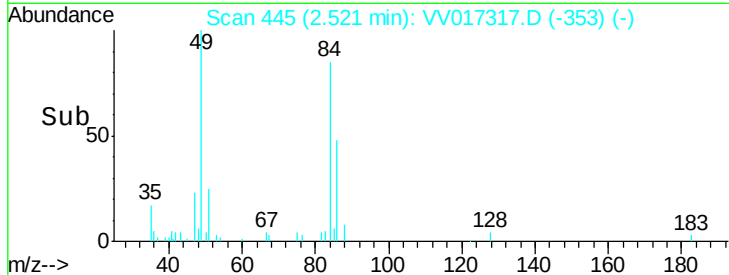
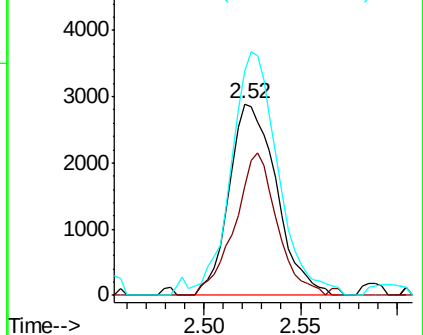
#16
Methylene chloride
Concen: 0.560 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017317.D
Acq: 02 Jul 2020 19:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 4912
Ion Ratio Lower Upper
84 100
86 56.9 45.8 85.0
49 117.5 89.6 166.4

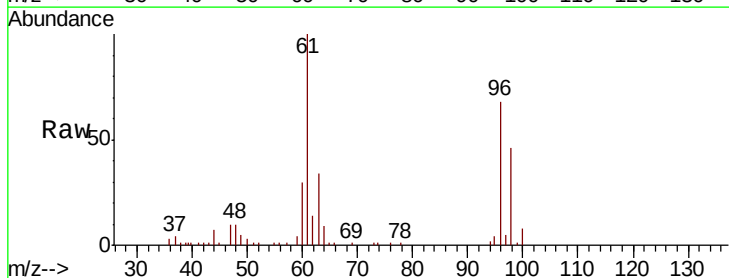


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

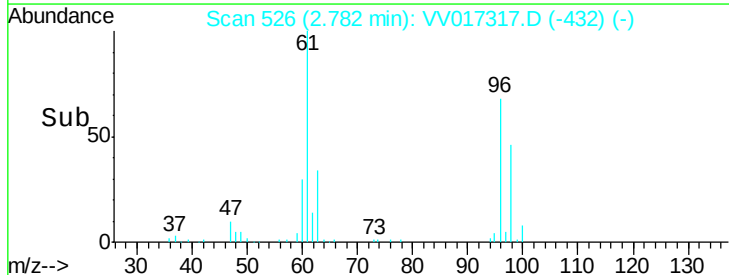
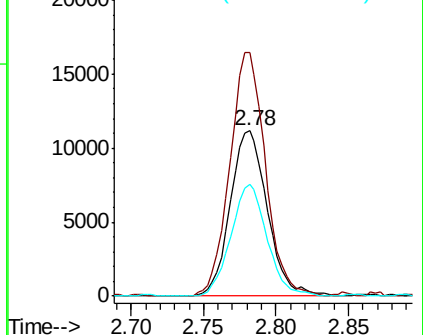


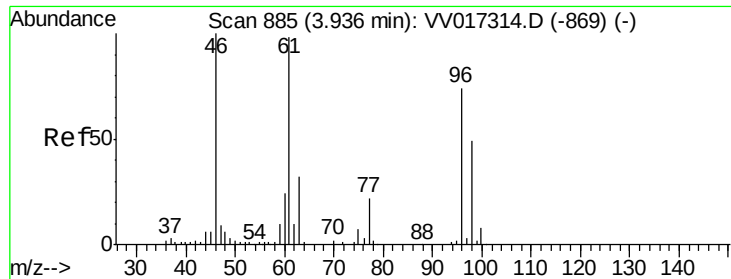
#18
trans-1,2-Dichloroethene
Concen: 2.285 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017317.D
Acq: 02 Jul 2020 19:49

Tgt Ion: 96 Resp: 19852
Ion Ratio Lower Upper
96 100
61 147.0 102.3 189.9
98 67.6 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

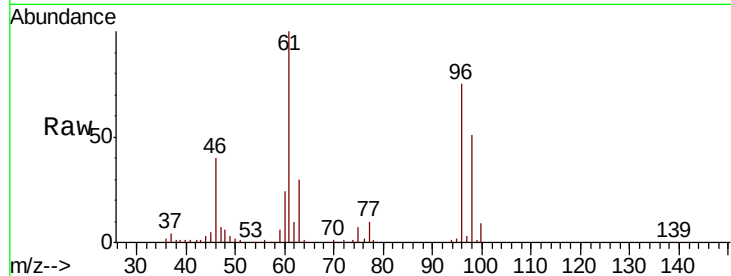




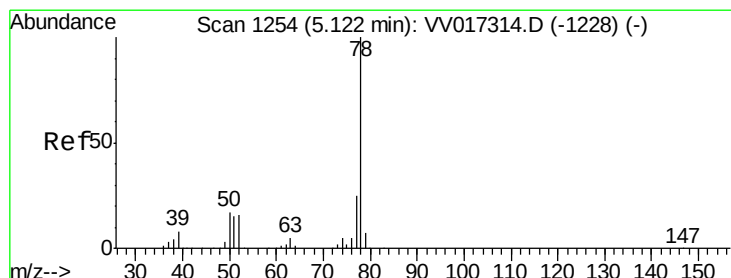
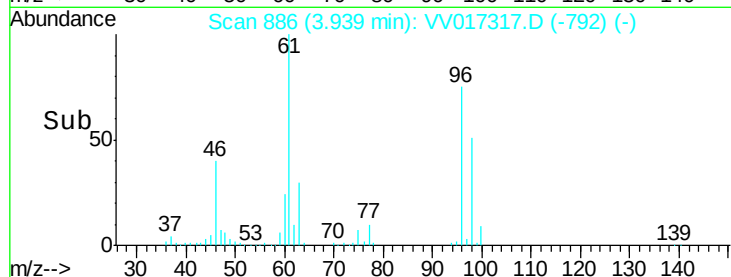
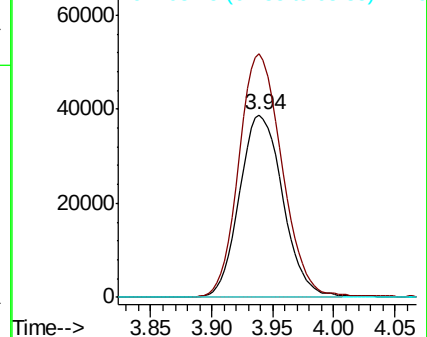
#22
 cis-1,2-Dichloroethene
 Concen: 8.039 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

Instrument :
 MSVOA_V
 ClientSampled :

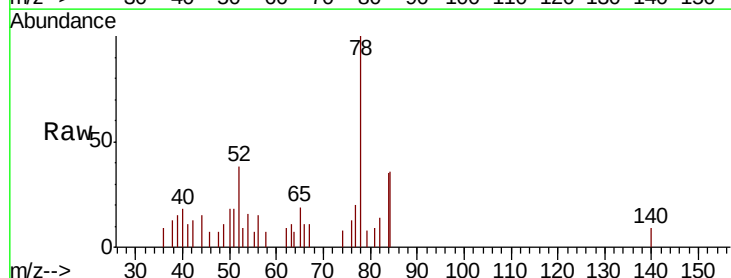
Tot Ion: 96 Resp: 95496
 Ion Ratio Lower Upper
 96 100
 61 133.5 91.0 169.0
 68 0.0 0.0 0.0



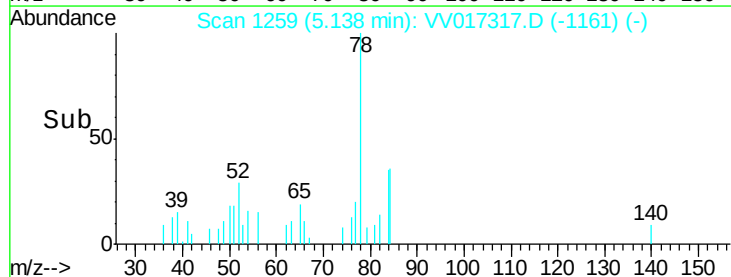
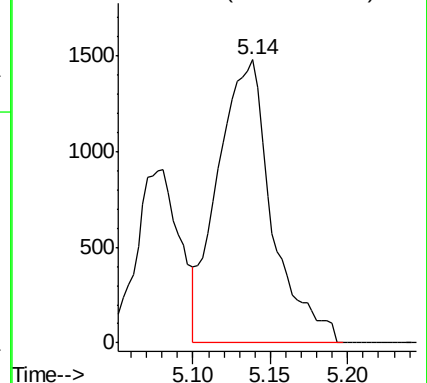
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

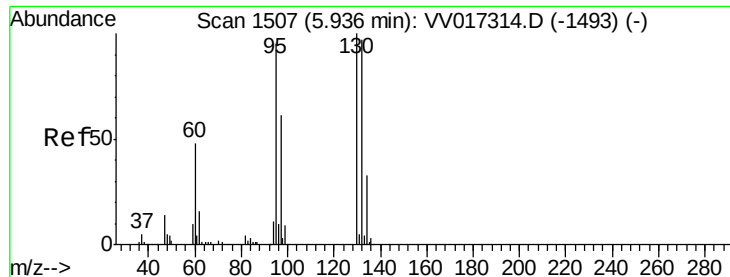


#33
 Benzene
 Concen: 0.084 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. 0.02 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49
 Tgt Ion: 78 Resp: 3604



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.632 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 20446

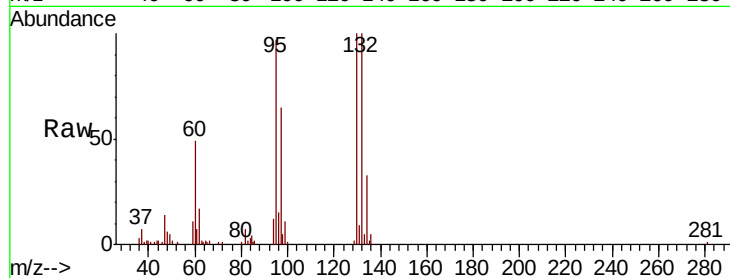
Ion Ratio Lower Upper

95 100

97 67.2 45.3 84.1

132 103.1 68.8 127.8

130 102.8 70.2 130.4

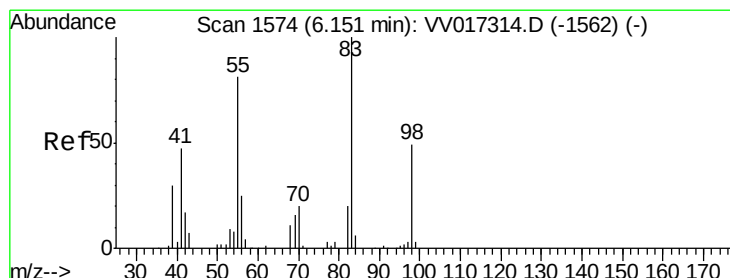
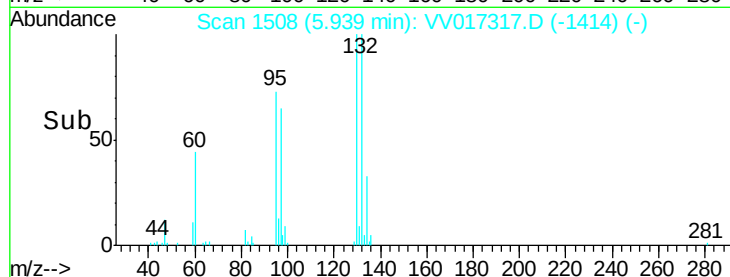
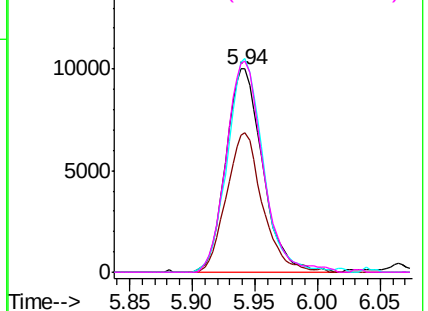


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.655 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

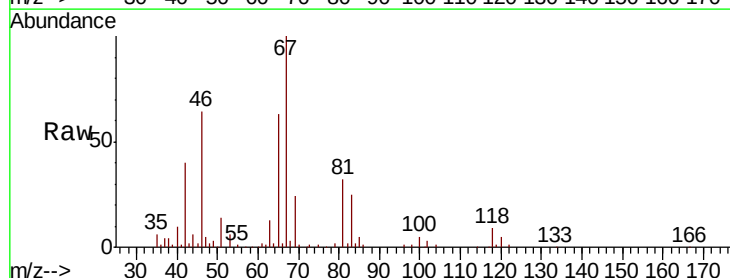
Tgt Ion: 83 Resp: 12747

Ion Ratio Lower Upper

83 100

55 0.8 63.6 95.4#

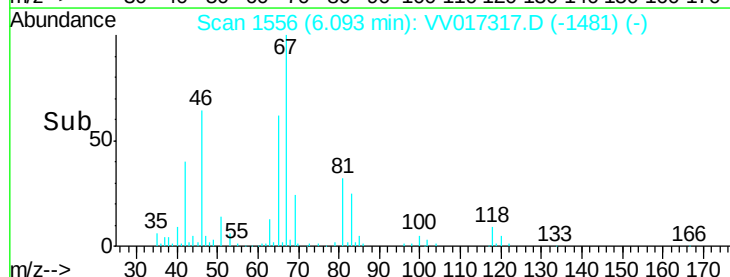
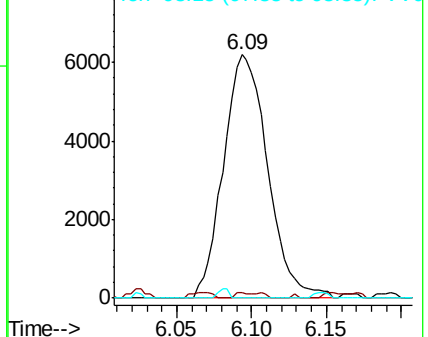
98 0.9 38.8 58.2#

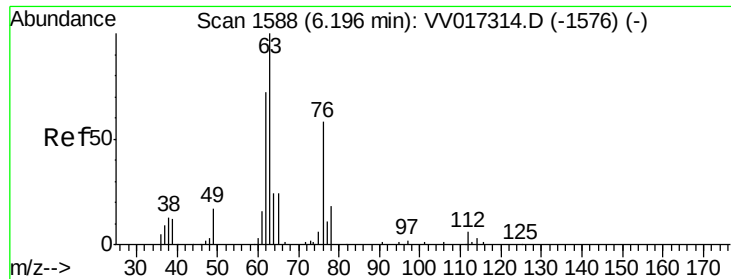


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

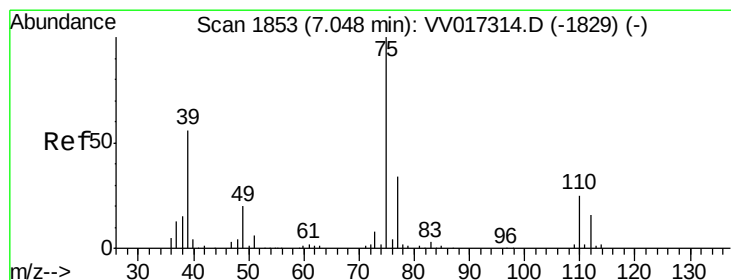
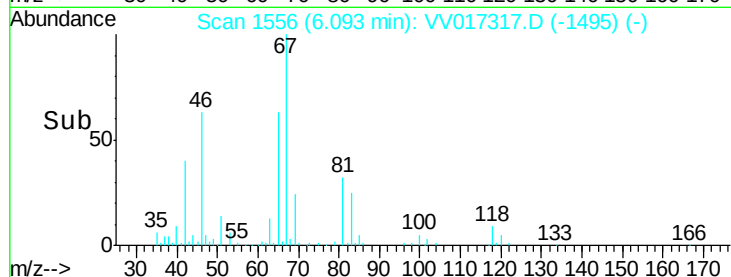
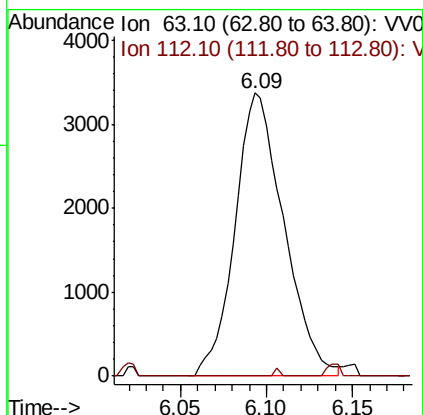
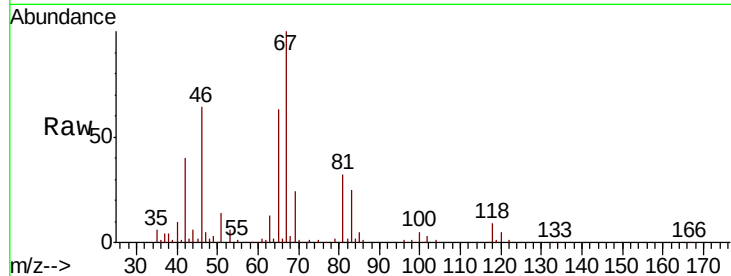




#37
 1,2-Dichloropropane
 Concen: 0.630 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

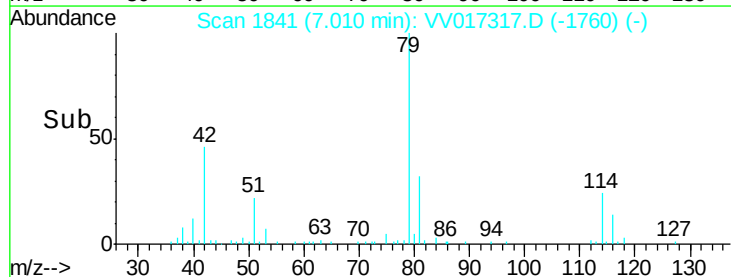
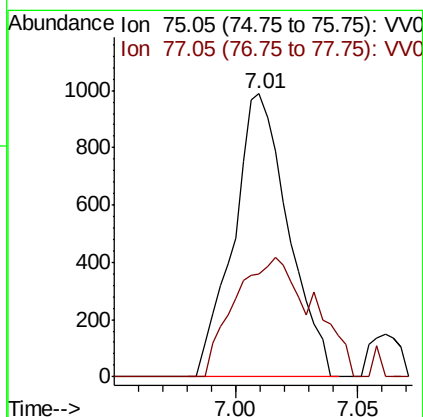
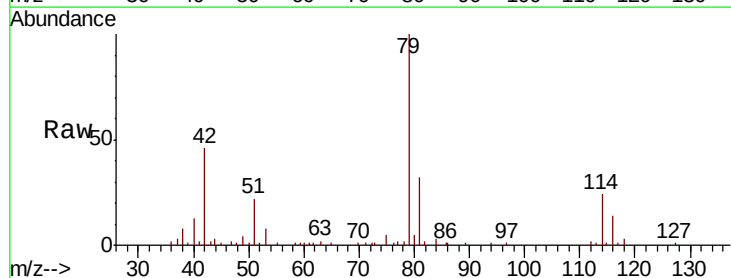
Instrument :
 MSVOA_V
 ClientSampleId :

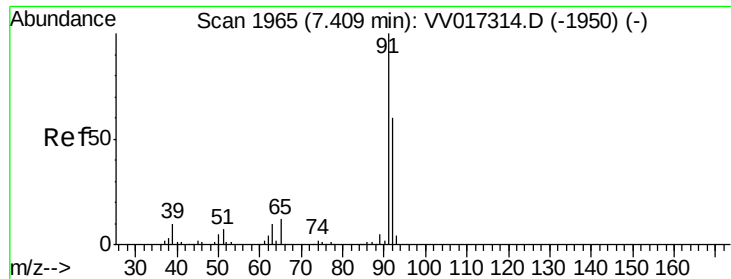
Tot Ion: 63 Resp: 6667
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

Tgt Ion: 75 Resp: 1534
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.3 41.5





#42

Toluene

Concen: 0.110 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017317.D

Acq: 02 Jul 2020 19:49

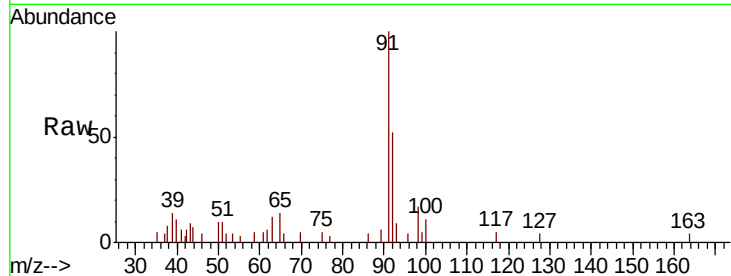
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5485

Ion Ratio Lower Upper

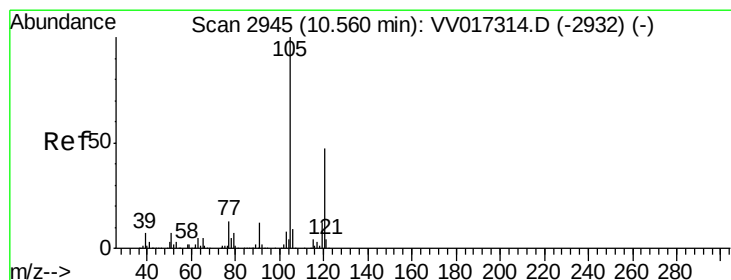
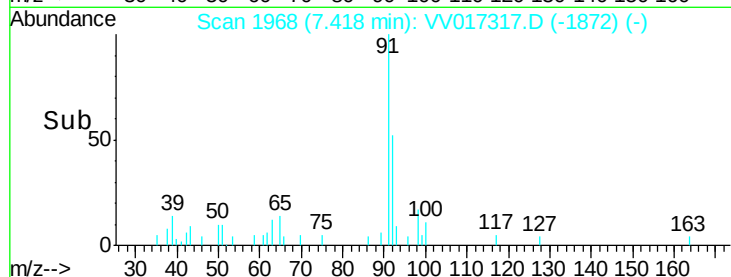
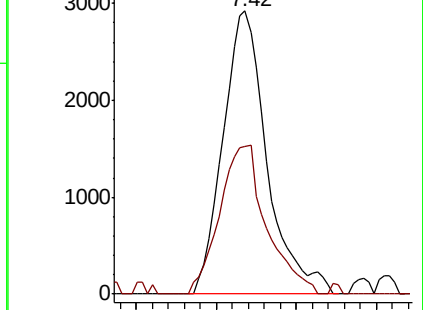
91 100

92 52.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017317.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV017317.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.059 ug/L

RT: 11.36 min Scan# 3194

Delta R.T. 0.80 min

Lab File: VV017317.D

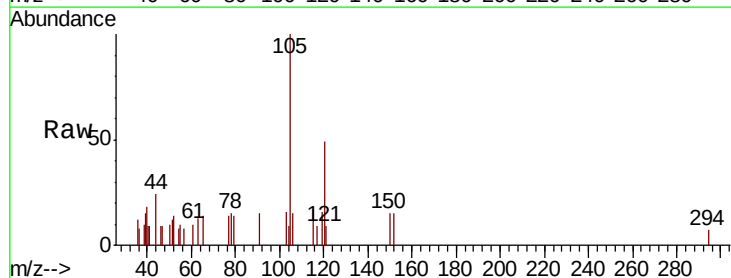
Acq: 02 Jul 2020 19:49

Tgt Ion:105 Resp: 2605

Ion Ratio Lower Upper

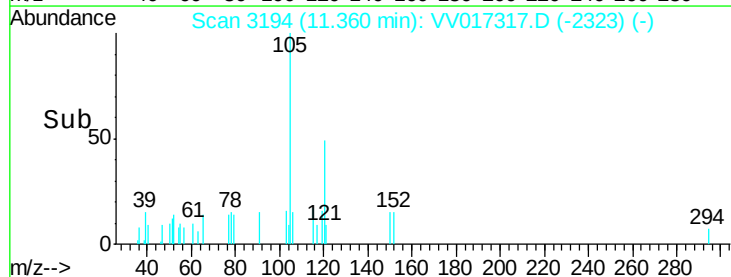
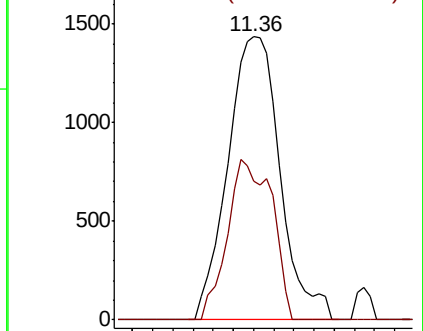
105 100

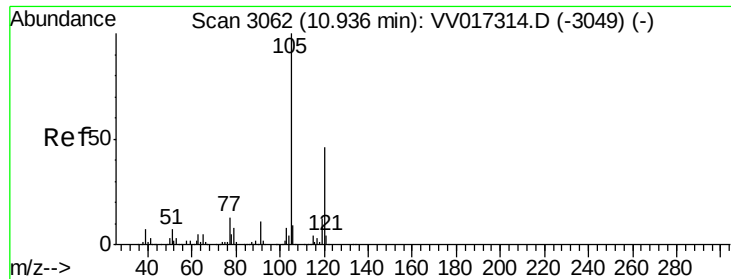
120 48.4 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017317.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV017317.D (-2323) (-)

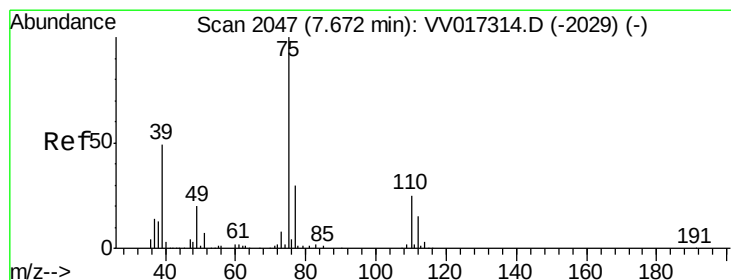
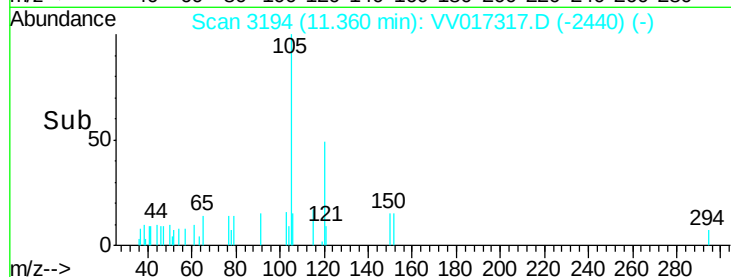
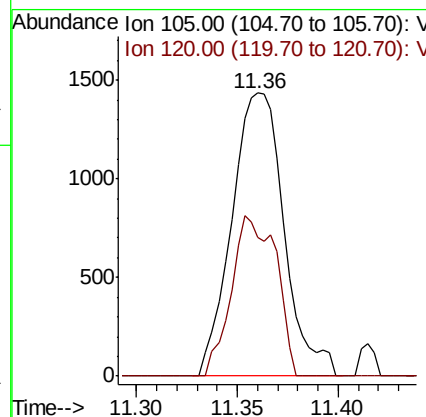
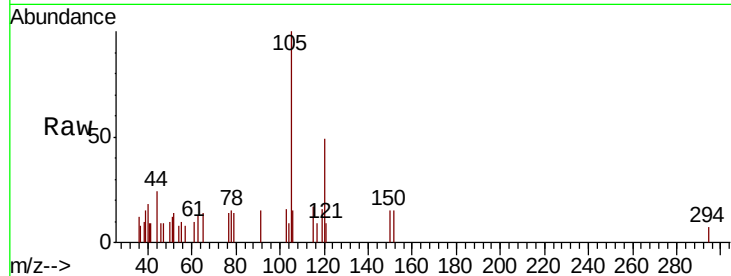




#44
 1,2,4-Trimethylbenzene
 Concen: 0.058 ug/L
 RT: 11.36 min Scan# 3194
 Delta R.T. 0.42 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

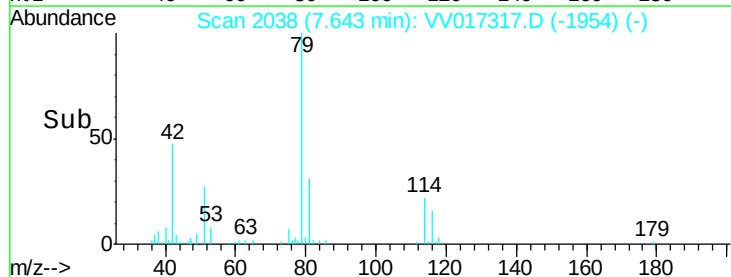
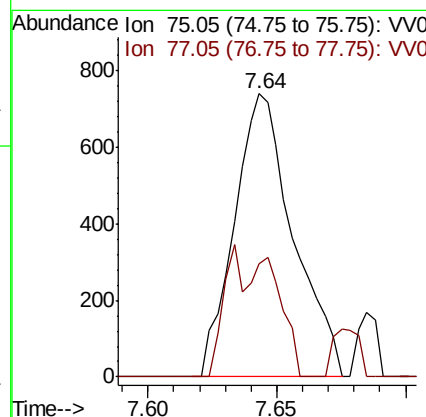
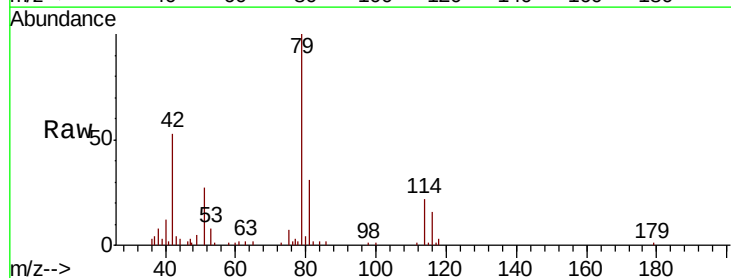
Instrument :
 MSVOA_V
 ClientSampleId :

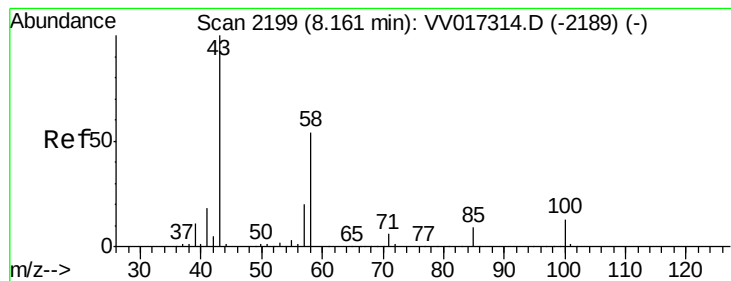
Tot Ion:105 Resp: 2605
 Ion Ratio Lower Upper
 105 100
 120 48.4 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

Tgt Ion: 75 Resp: 1177
 Ion Ratio Lower Upper
 75 100
 77 39.9 22.3 41.3





#50
 2-Hexanone
 Concen: 1.360 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VV017317.D
 Acq: 02 Jul 2020 19:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	43	Resp:	5915
Ion	Ratio	Lower	Upper
43	100		
58	60.4	41.6	62.4
57	14.9	15.4	23.0#
100	8.7	10.1	15.1#

