

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016326.D
 Acq On : 29 May 2020 19:40
 Operator : SY/MD
 Sample : L2662-16 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:00:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99261	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93472	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	44338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21701	3.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.00%
7) Chloroethane-d5	1.58	69	21063	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.12	63	34012	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	3.94	46	82170	51.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.92%
24) Chloroform-d	4.38	84	52666	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.06	65	29762	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.08	84	104736	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.10	67	33069	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.34	98	94615	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
45) trans-1,3-Dichloropropene-	7.65	79	10954	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
48) 2-Hexanone-d5	8.12	63	60588	49.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23422	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	35612	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4552	0.524	ug/L	84
8) Chloroethane	1.32	64	1881	0.387	ug/L	93
16) Methylene chloride	2.53	84	834	0.124	ug/L	82
22) cis-1,2-Dichloroethene	3.94	96	10436	1.377	ug/L	90
33) Benzene	5.14	78	2354	0.088	ug/L	100
35) Methylcyclohexane	6.09	83	8018	0.678	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3999	0.606	ug/L #	88
42) Toluene	7.41	91	5358	0.183	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	1968	0.074	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	5039	0.183	ug/L	94
46) trans-1,3-Dichloropropene	7.64	75	535	0.069	ug/L	98
50) 2-Hexanone	8.12	43	8308	2.902	ug/L #	72
54) Ethylbenzene	9.04	91	8065	0.247	ug/L	99
55) m,p-xylene	9.16	106	3086	0.252	ug/L	94
56) o-xylene	9.57	106	1941	0.166	ug/L	94
67) 1,2-Dibromo-3-chloropropan	12.49	75	431	0.522	ug/L #	9
70) Naphthalene	13.53	128	3812149	207.522	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:00:26 2020
Response via : Initial Calibration

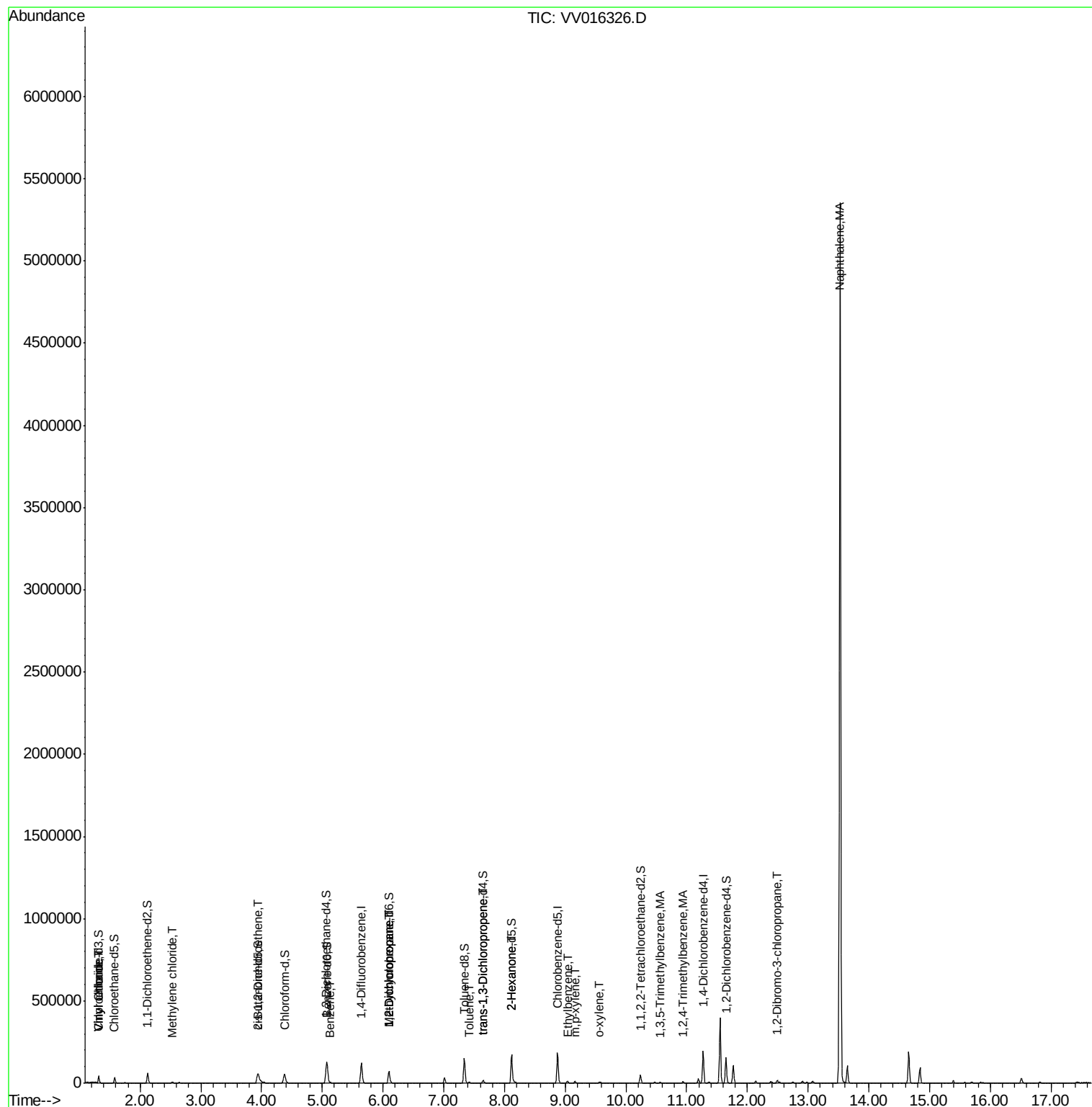
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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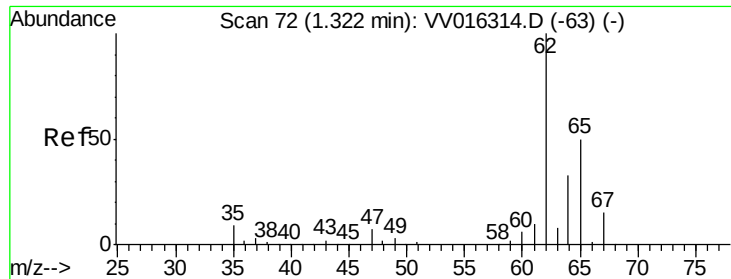
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.524 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

Instrument :

MSVOA_V

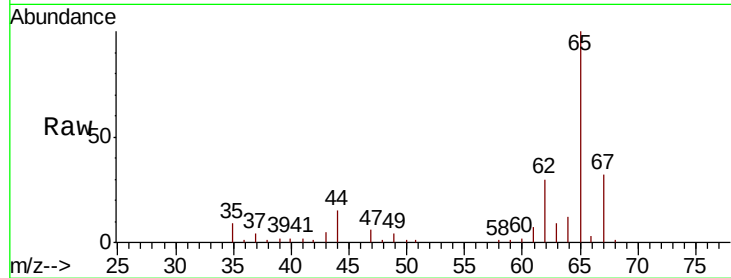
ClientSampled :

Tot Ion: 62 Resp: 4552

Ion Ratio Lower Upper

62 100

64 40.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

5000

4000

3000

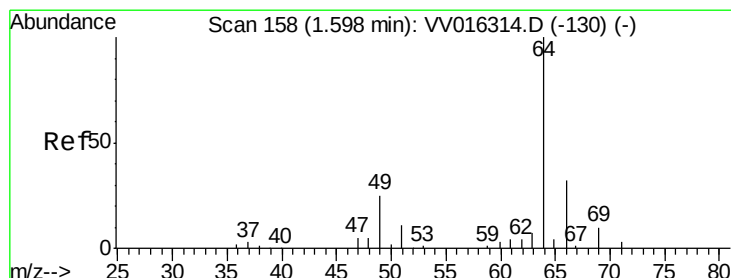
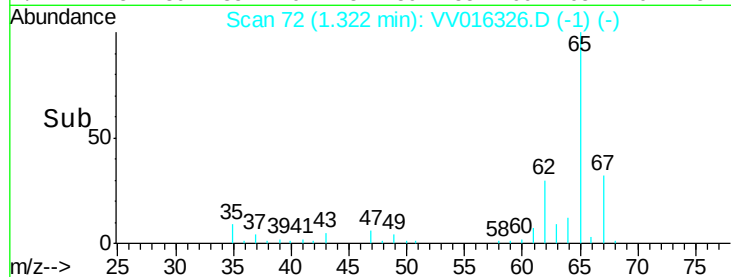
2000

1000

0

1.28 1.30 1.32 1.34 1.36

Time-->



#8

Chloroethane

Concen: 0.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV016326.D

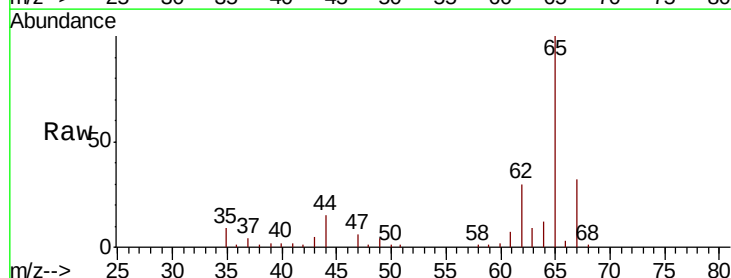
Acq: 29 May 2020 19:40

Tgt Ion: 64 Resp: 1881

Ion Ratio Lower Upper

64 100

66 28.7 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

2000

1500

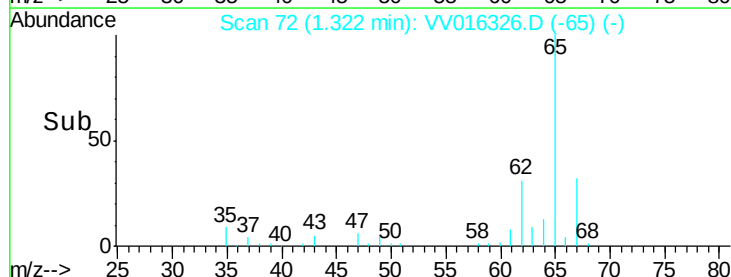
1000

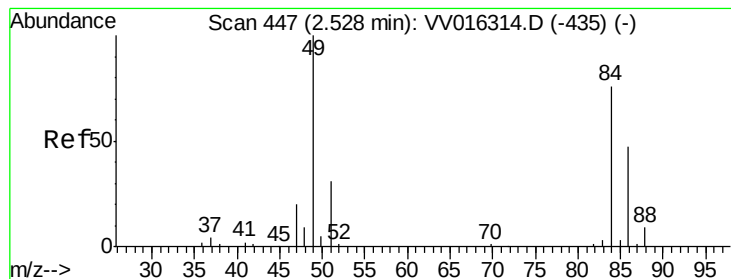
500

0

1.30 1.32 1.34 1.36

Time-->





#16

Methylene chloride

Concen: 0.124 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

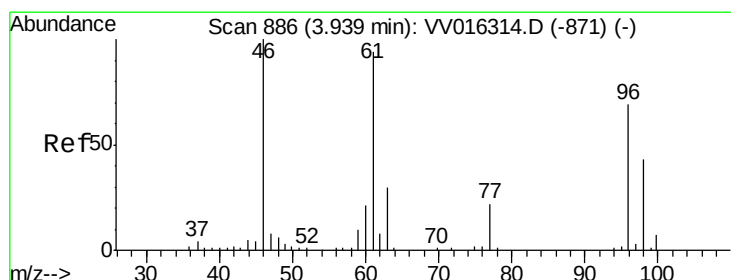
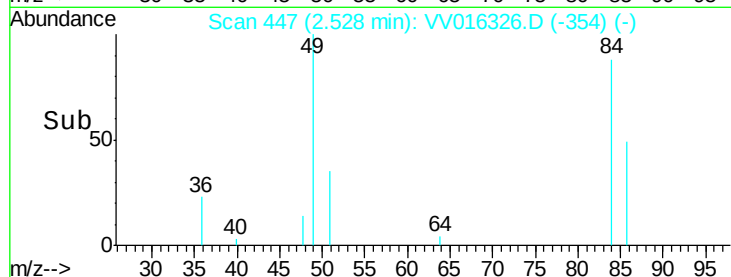
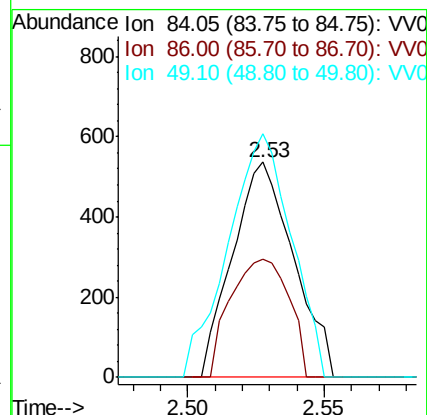
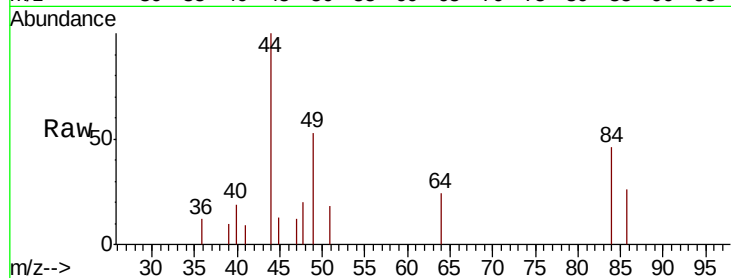
Tot Ion: 84 Resp: 834

Ion Ratio Lower Upper

84 100

86 55.1 44.9 83.5

49 113.0 96.7 179.7



#22

cis-1,2-Dichloroethene

Concen: 1.377 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

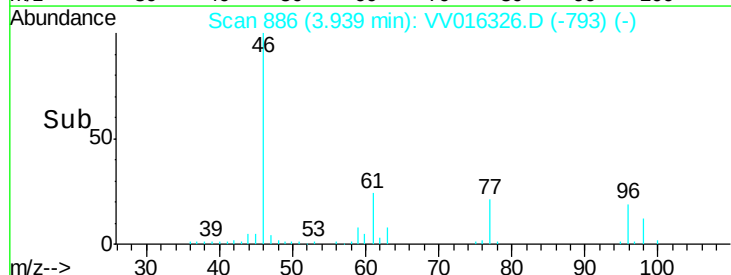
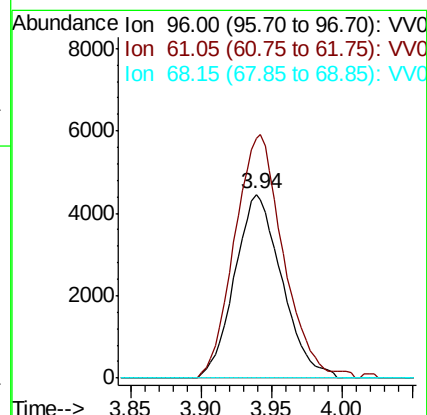
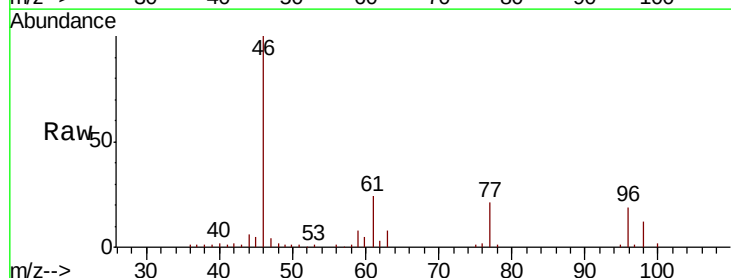
Tgt Ion: 96 Resp: 10436

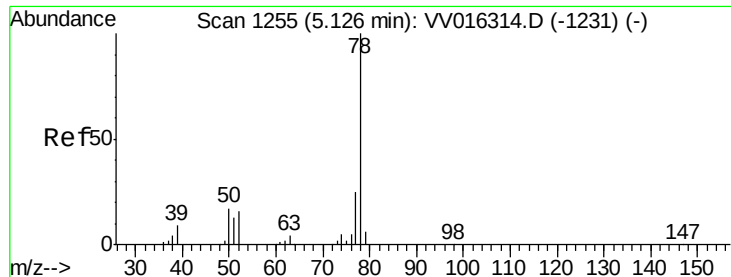
Ion Ratio Lower Upper

96 100

61 130.7 99.7 185.1

68 0.0 0.0 0.0

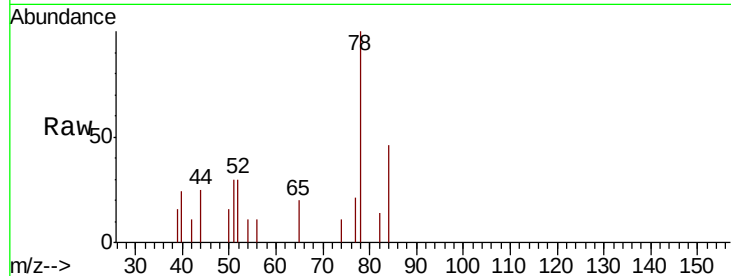




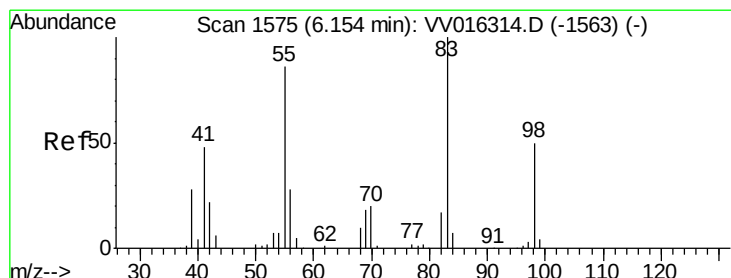
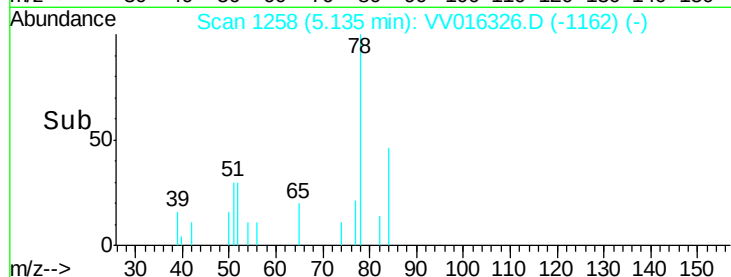
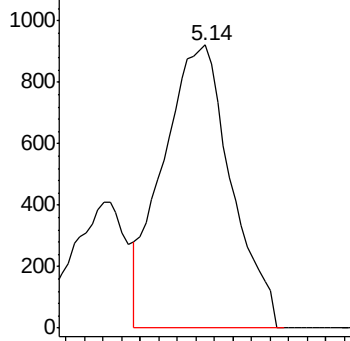
#33
Benzene
Concen: 0.088 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 2354

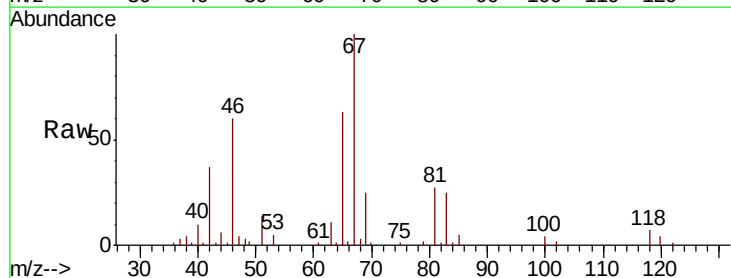


Abundance Ion 78.10 (77.80 to 78.80): VV0



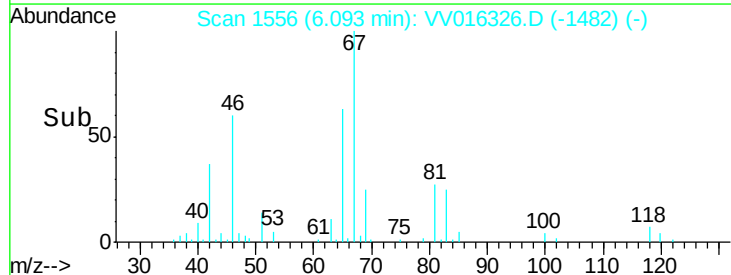
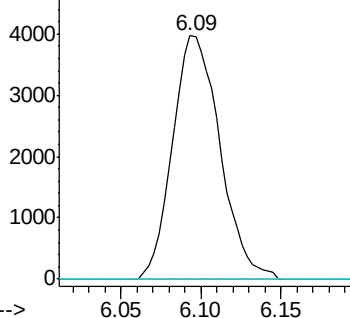
#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

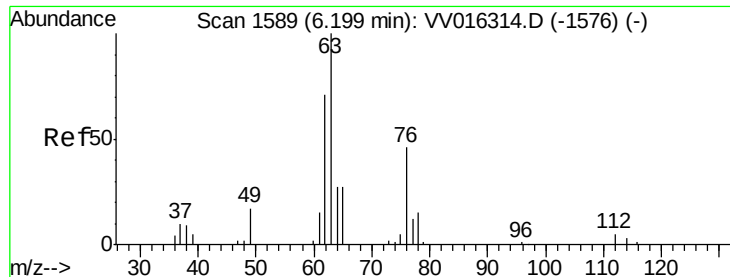
Tgt Ion: 83 Resp: 8018
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 39.3 58.9#



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

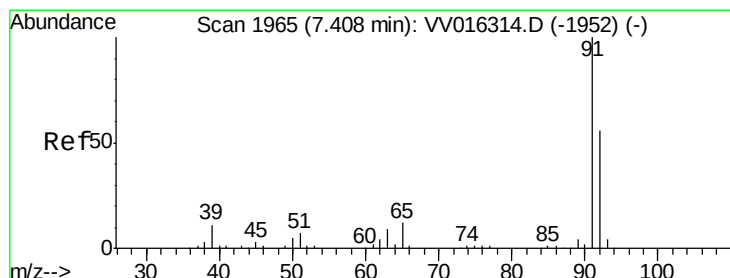
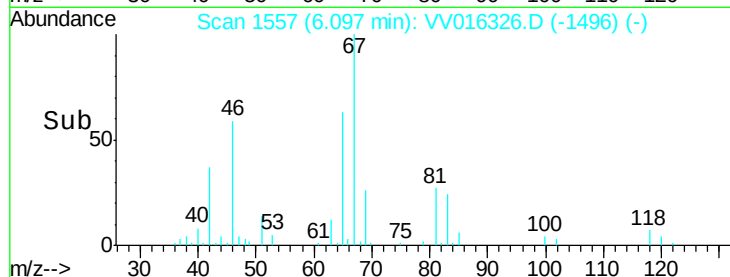
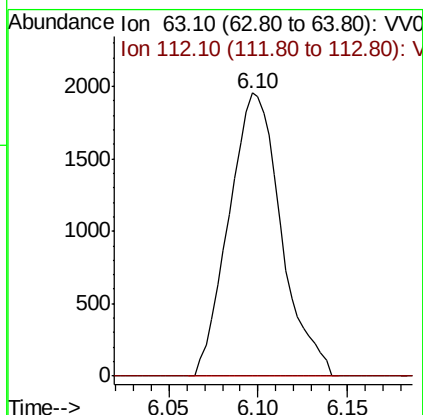
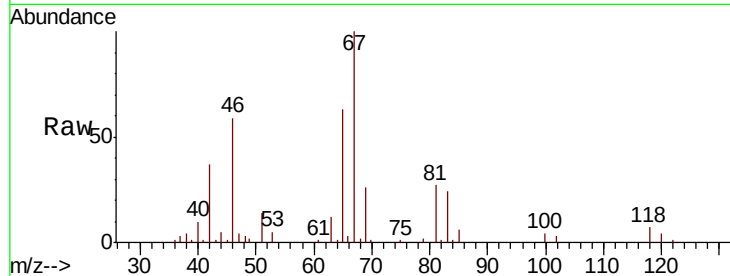




#37
 1,2-Dichloropropane
 Concen: 0.606 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016326.D
 Acq: 29 May 2020 19:40

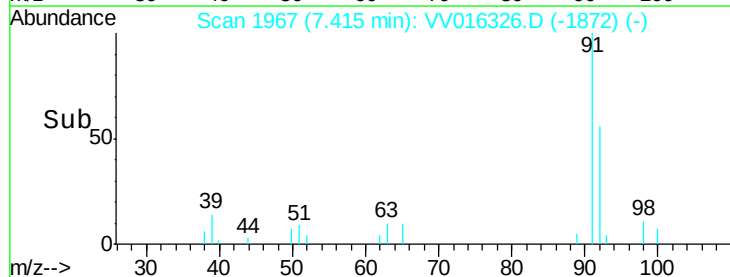
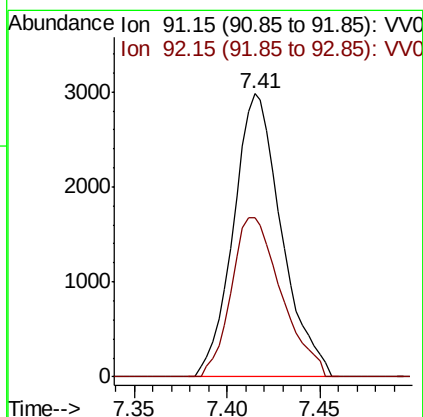
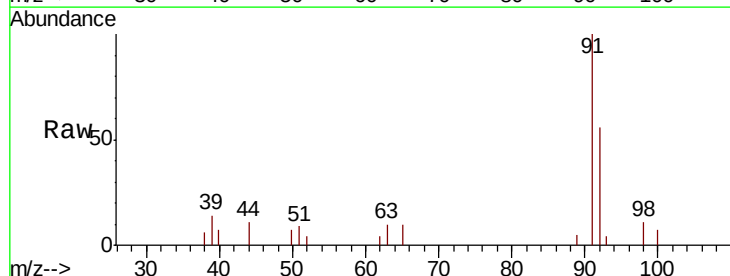
Instrument :
 MSVOA_V
 ClientSampled :

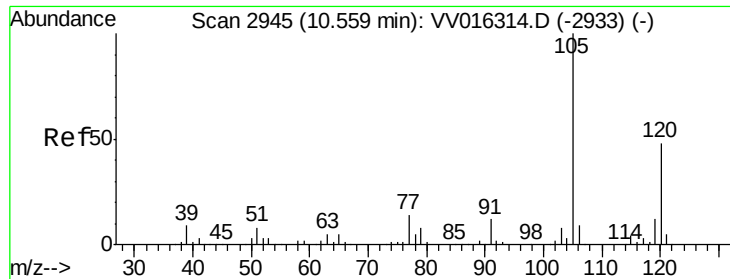
Tot Ion: 63 Resp: 3999
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 0.183 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV016326.D
 Acq: 29 May 2020 19:40

Tgt Ion: 91 Resp: 5358
 Ion Ratio Lower Upper
 91 100
 92 56.4 40.9 76.0





#43

1,3,5-Trimethylbenzene

Concen: 0.074 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

Instrument :

MSVOA_V

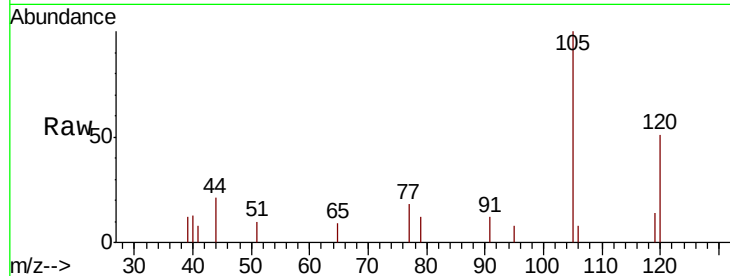
ClientSampleId :

Tot Ion:105 Resp: 1968

Ion Ratio Lower Upper

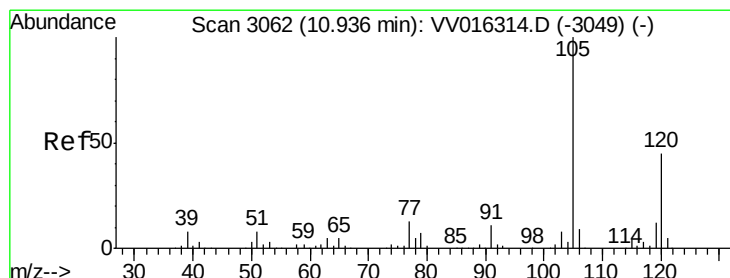
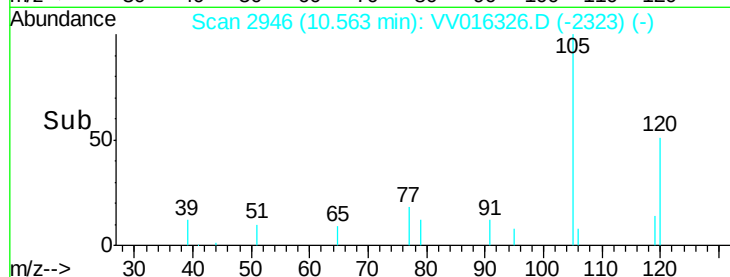
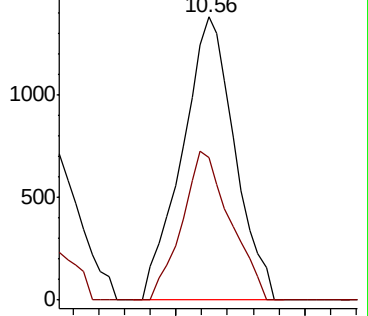
105 100

120 48.2 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.183 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV016326.D

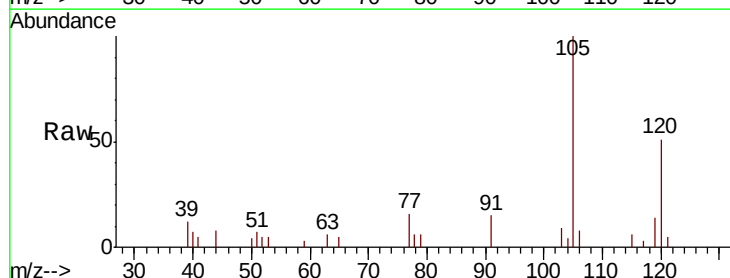
Acq: 29 May 2020 19:40

Tgt Ion:105 Resp: 5039

Ion Ratio Lower Upper

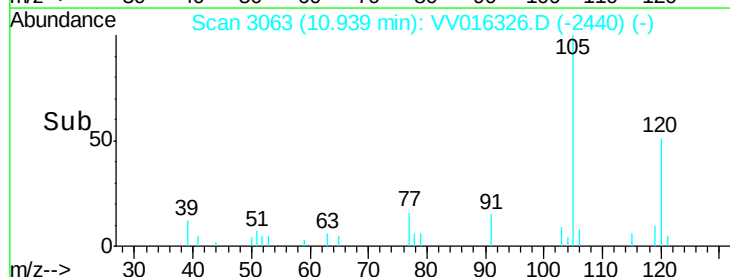
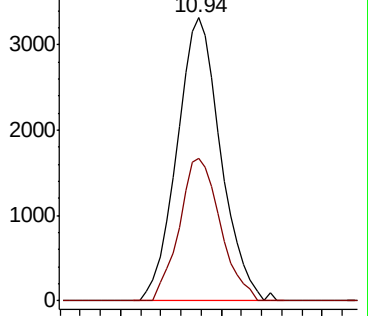
105 100

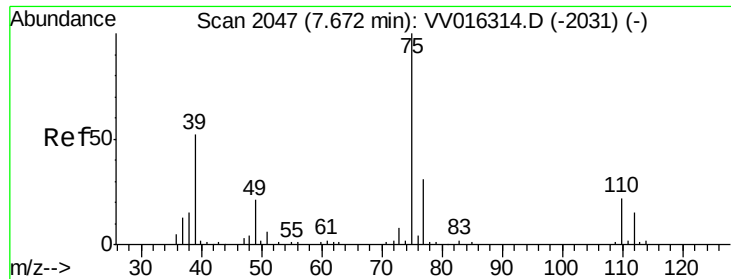
120 47.3 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

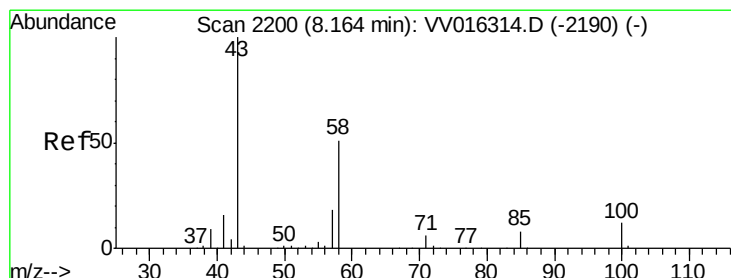
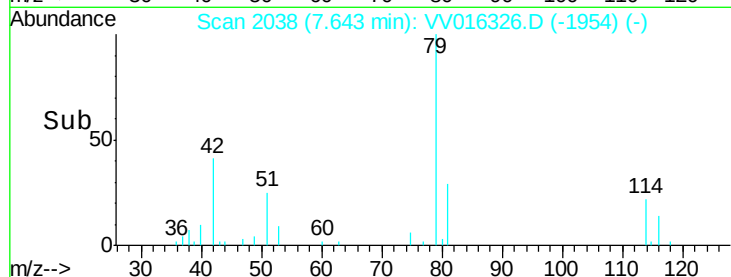
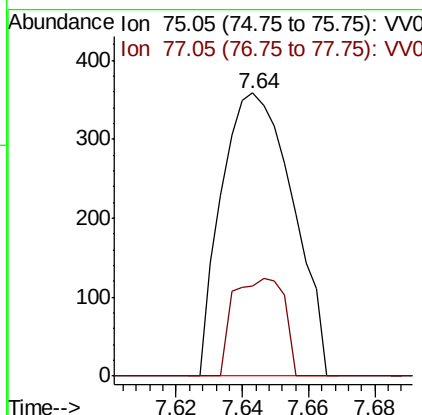
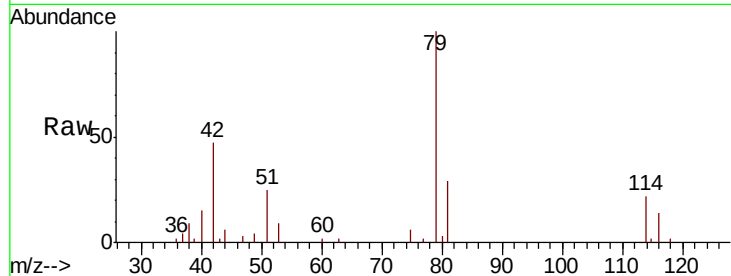




#46
trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

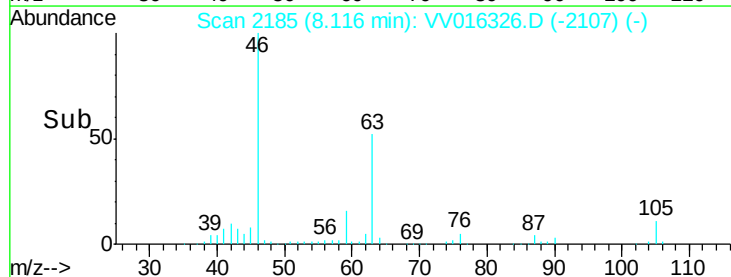
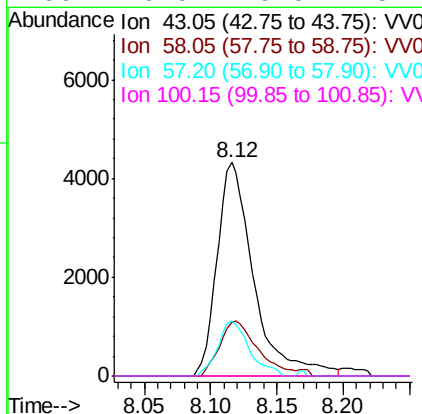
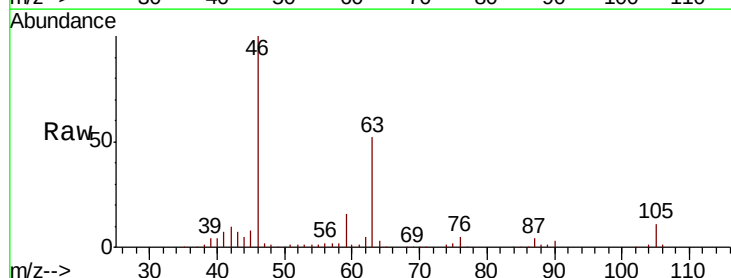
Instrument :
MSVOA_V
ClientSampleId :

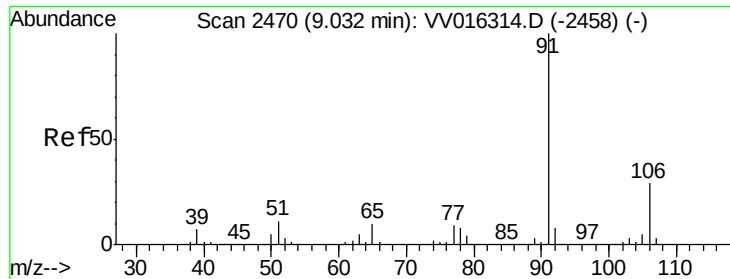
Tot Ion: 75 Resp: 535
Ion Ratio Lower Upper
75 100
77 31.8 21.7 40.3



#50
2-Hexanone
Concen: 2.902 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

Tgt Ion: 43 Resp: 8308
Ion Ratio Lower Upper
43 100
58 26.7 41.4 62.0#
57 22.3 15.0 22.4
100 0.0 9.0 13.4#





#54

Ethylbenzene

Concen: 0.247 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

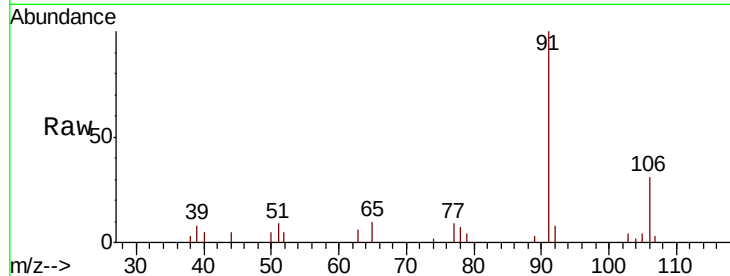
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 8065

Ion Ratio Lower Upper

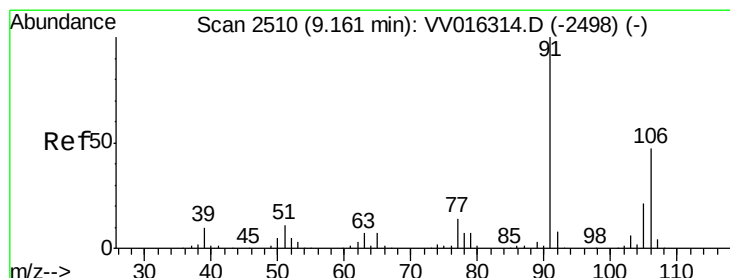
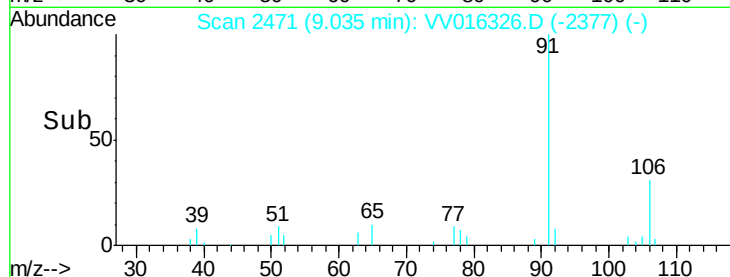
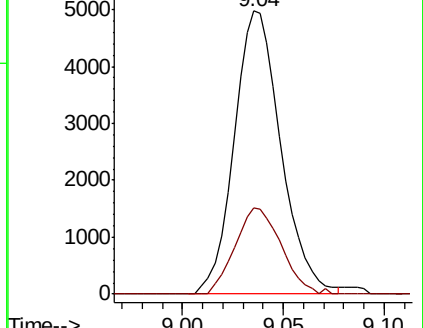
91 100

106 30.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016326.D (-2471) (-)

Ion 106.15 (105.85 to 106.85): VV016326.D (-2471) (-)



#55

m,p-xylene

Concen: 0.252 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016326.D

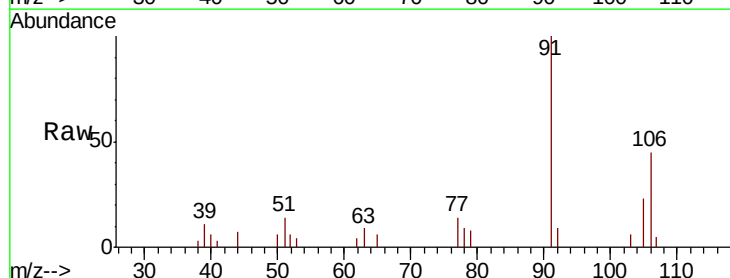
Acq: 29 May 2020 19:40

Tgt Ion: 106 Resp: 3086

Ion Ratio Lower Upper

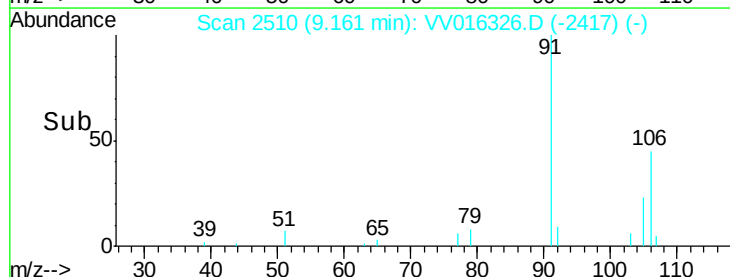
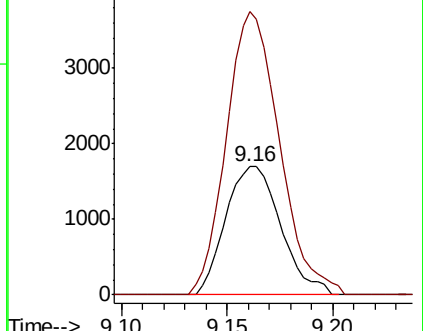
106 100

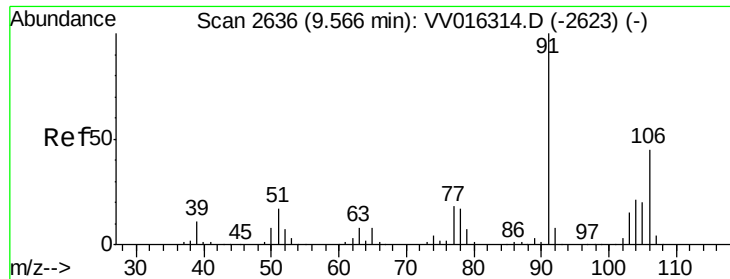
91 220.5 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016326.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VV016326.D (-2510) (-)

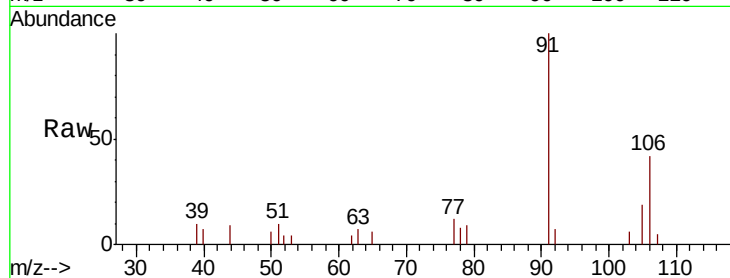




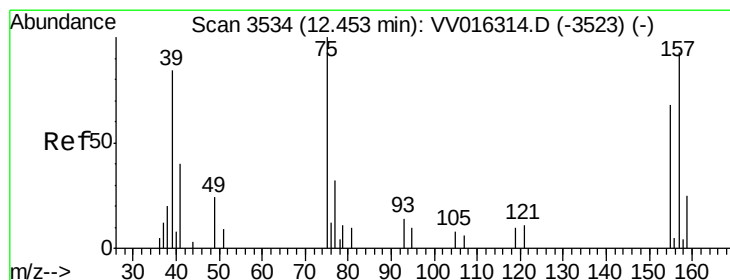
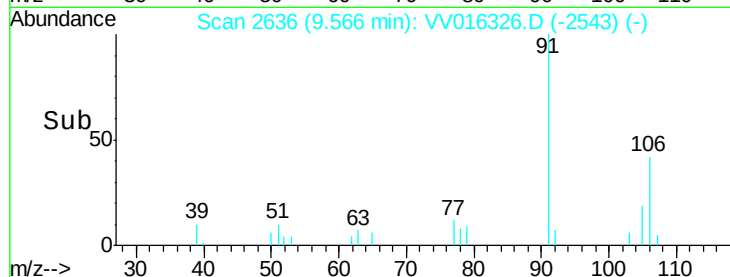
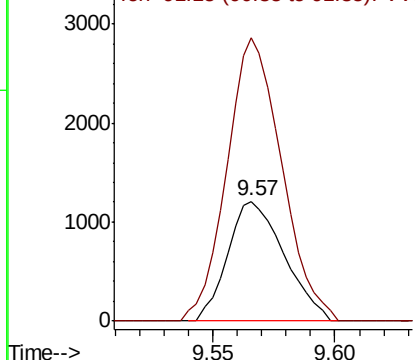
#56
o-xylene
Concen: 0.166 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1941
Ion Ratio Lower Upper
106 100
91 235.9 158.8 294.8

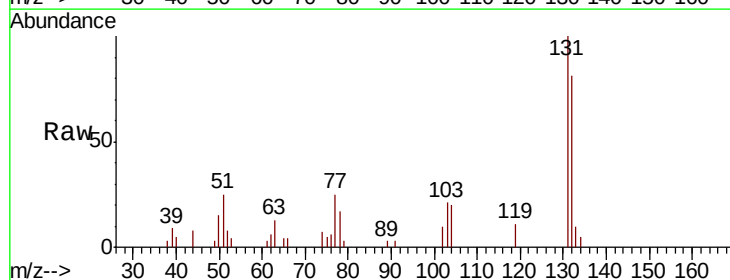


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

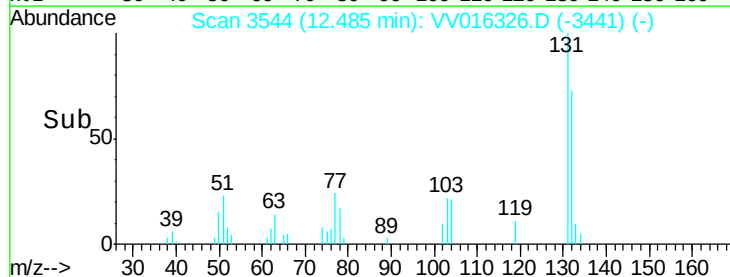
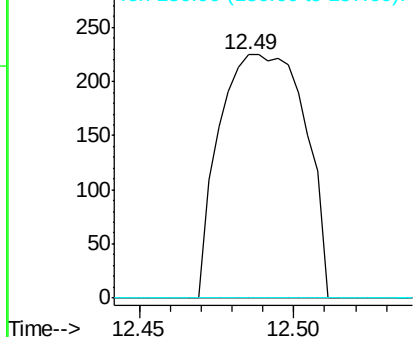


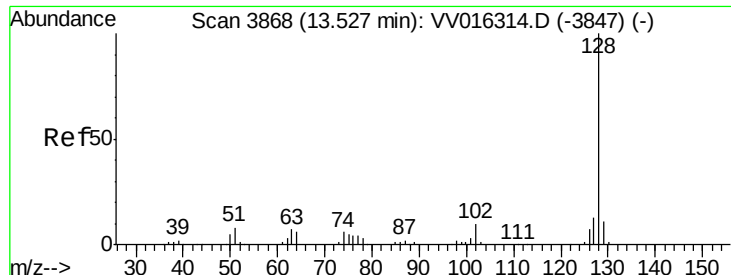
#67
1,2-Dibromo-3-chloropropane
Concen: 0.522 ug/L
RT: 12.49 min Scan# 3544
Delta R.T. 0.03 min
Lab File: VV016326.D
Acq: 29 May 2020 19:40

Tgt Ion: 75 Resp: 431
Ion Ratio Lower Upper
75 100
155 0.0 56.2 84.4#
157 0.0 71.9 107.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V





#70

Naphthalene

Concen: 207.522 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016326.D

Acq: 29 May 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

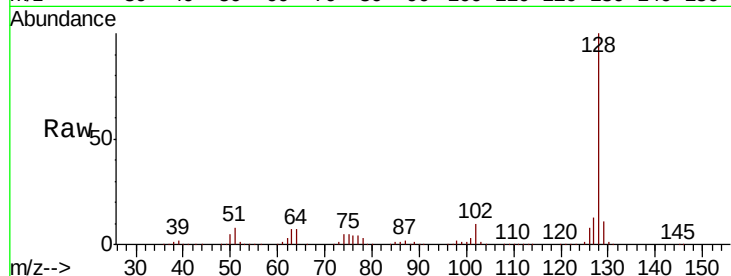
Tot Ion:128 Resp: 3812149

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

