

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016322.D
 Acq On : 29 May 2020 18:00
 Operator : SY/MD
 Sample : L2662-07DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:04:52 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	97584	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92305	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43721	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29506	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.58	69	23966	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.12	63	42225	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.94	46	82555	53.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.20%
24) Chloroform-d	4.38	84	57580	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	32402	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	117851	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.10	67	36510	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.34	98	107007	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
45) trans-1,3-Dichloropropene-	7.65	79	12159	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
48) 2-Hexanone-d5	8.12	63	66676	55.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25060	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	38112	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	4956	0.580	ug/L 86
8) Chloroethane	1.32	64	2173	0.455	ug/L 98
12) 1,1-Dichloroethene	2.14	96	516	0.090	ug/L # 1
16) Methylene chloride	2.53	84	958	0.145	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	90164	12.103	ug/L 96
27) 1,2-Dichloroethane	5.16	62	343	0.041	ug/L # 79
33) Benzene	5.13	78	2341	0.088	ug/L 100
35) Methylcyclohexane	6.10	83	8476	0.726	ug/L # 16
37) 1,2-Dichloropropane	6.09	63	4094	0.628	ug/L # 88
39) cis-1,3-Dichloropropene	7.01	75	1032	0.112	ug/L 90
42) Toluene	7.41	91	3699	0.128	ug/L 100
43) 1,3,5-Trimethylbenzene	10.56	105	888	0.034	ug/L 96
44) 1,2,4-Trimethylbenzene	10.94	105	2201	0.081	ug/L 97
46) trans-1,3-Dichloropropene	7.64	75	515	0.067	ug/L # 69
50) 2-Hexanone	8.12	43	9322	3.298	ug/L # 72
54) Ethylbenzene	9.04	91	3703	0.115	ug/L 90
55) m,p-xylene	9.16	106	1580	0.130	ug/L 77

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QLast Update : Sat May 30 00:00:26 2020
Response via : Initial Calibration

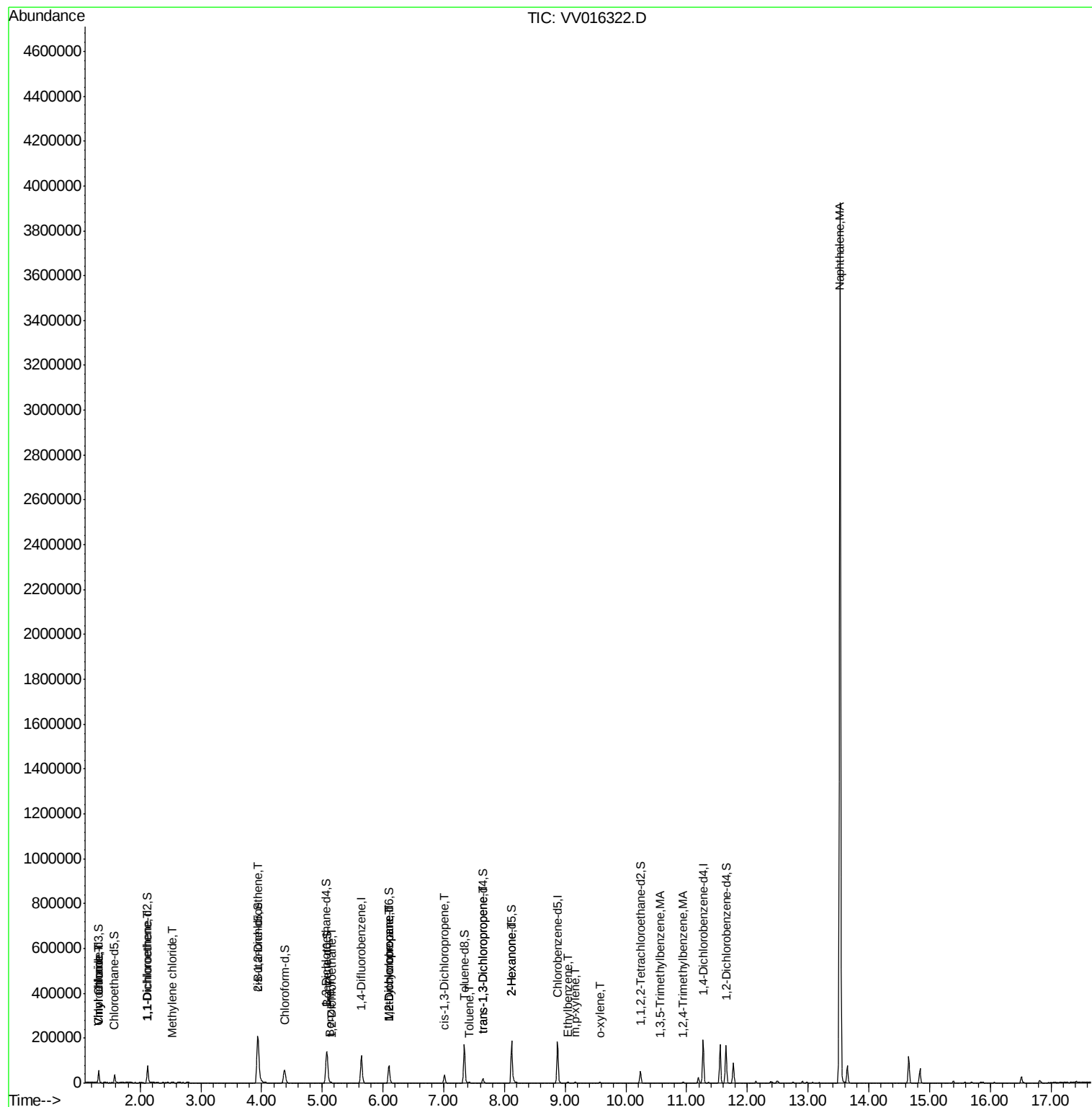
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) o-xylene	9.57	106	982	0.085	ug/L	76
70) Naphthalene	13.53	128	2817723	155.553	ug/L	100

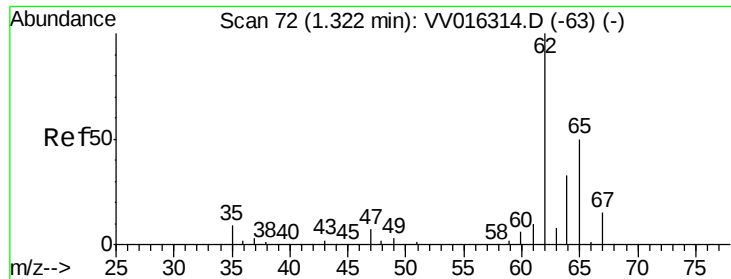
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 0.580 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016322.D

Acq: 29 May 2020 18:00

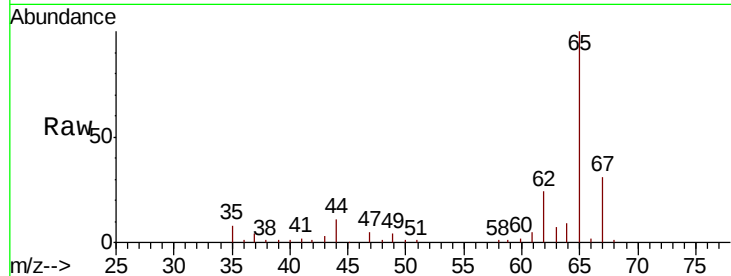
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 4956

Ion Ratio Lower Upper

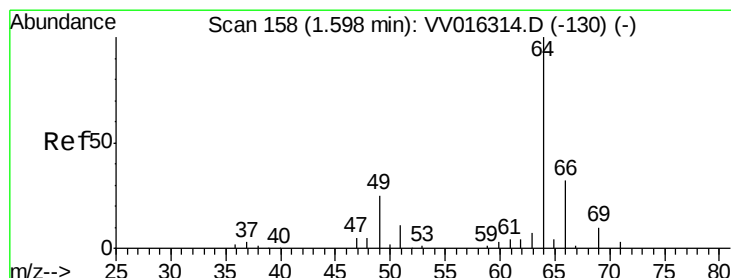
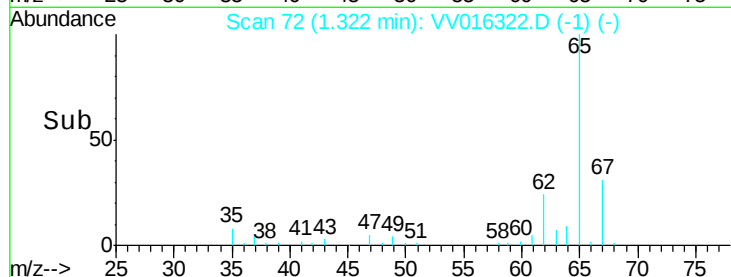
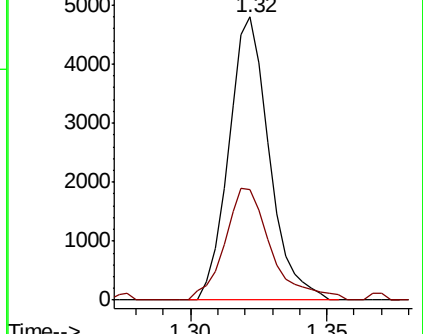
62 100

64 39.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.455 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV016322.D

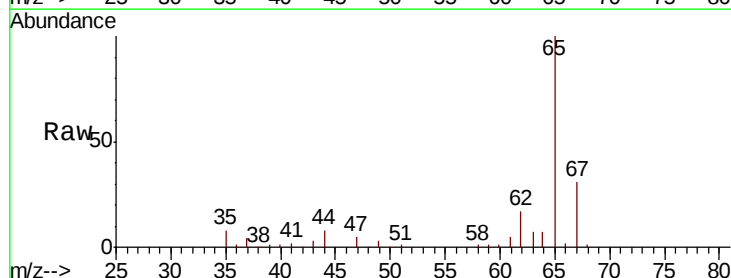
Acq: 29 May 2020 18:00

Tgt Ion: 64 Resp: 2173

Ion Ratio Lower Upper

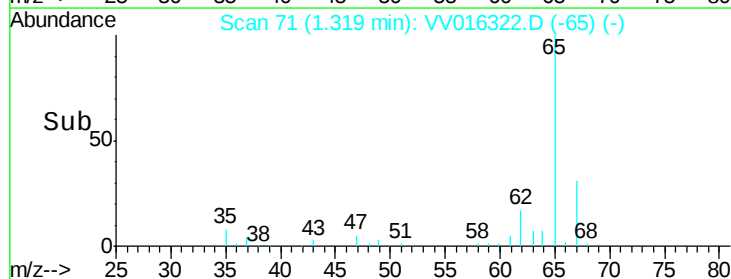
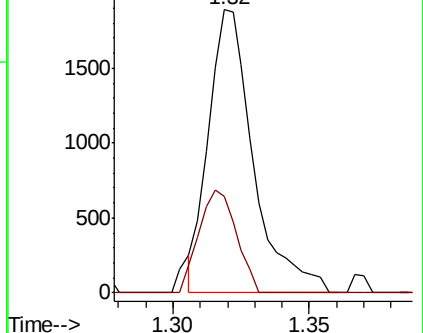
64 100

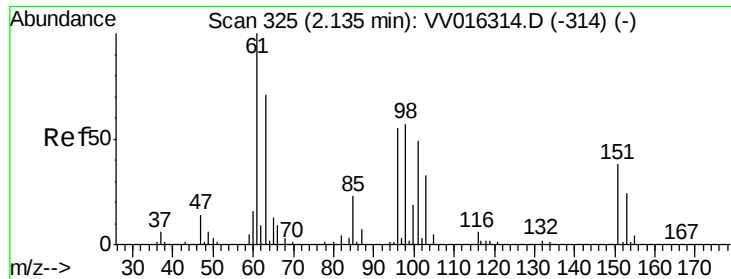
66 34.1 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

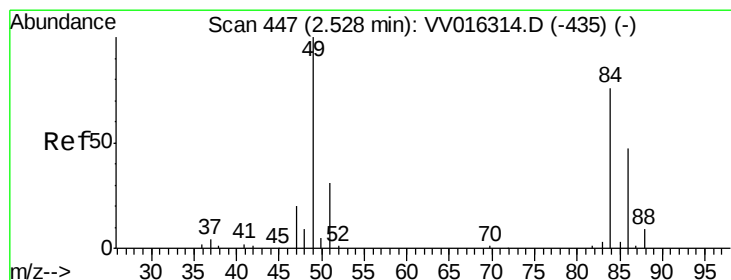
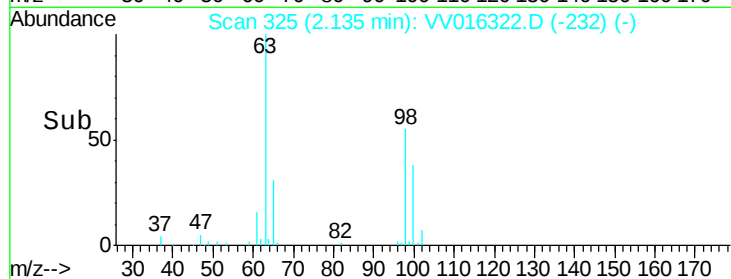
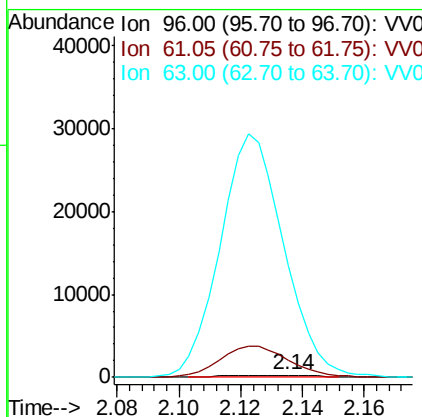
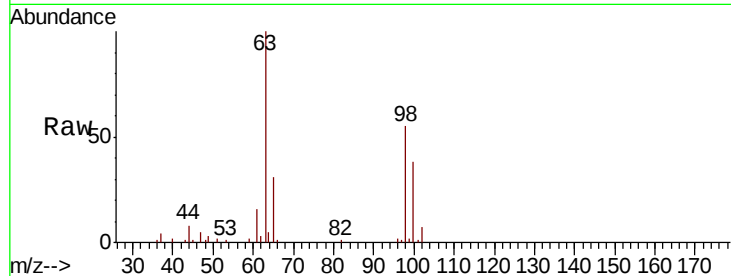




#12
 1,1-Dichloroethene
 Concen: 0.090 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV016322.D
 Acq: 29 May 2020 18:00

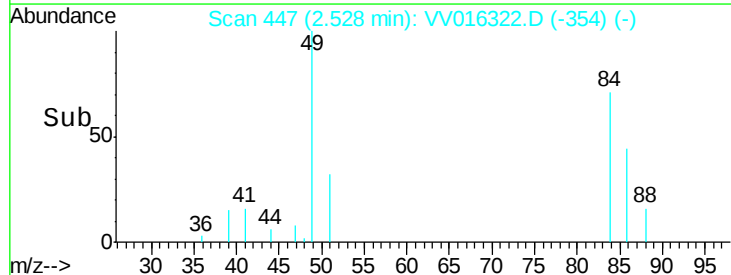
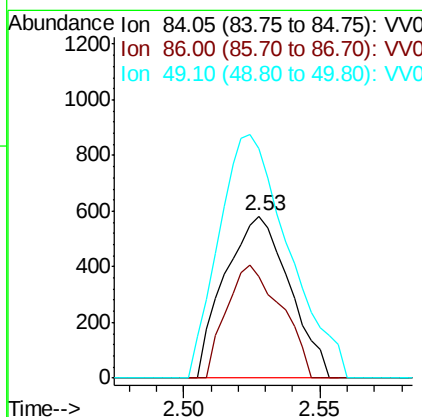
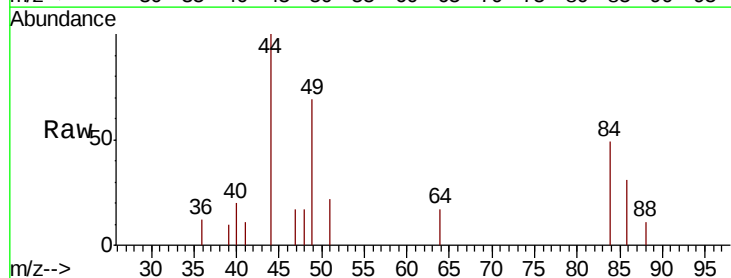
Instrument :
 MSVOA_V
 ClientSampleId :

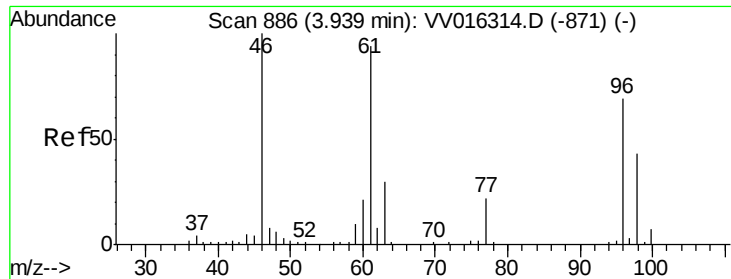
Tot Ion: 96 Resp: 516
 Ion Ratio Lower Upper
 96 100
 61 756.6 124.9 231.9#
 63 4823.8 80.4 149.2#



#16
 Methylene chloride
 Concen: 0.145 ug/L
 RT: 2.53 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VV016322.D
 Acq: 29 May 2020 18:00

Tgt Ion: 84 Resp: 958
 Ion Ratio Lower Upper
 84 100
 86 62.3 44.9 83.5
 49 141.5 96.7 179.7



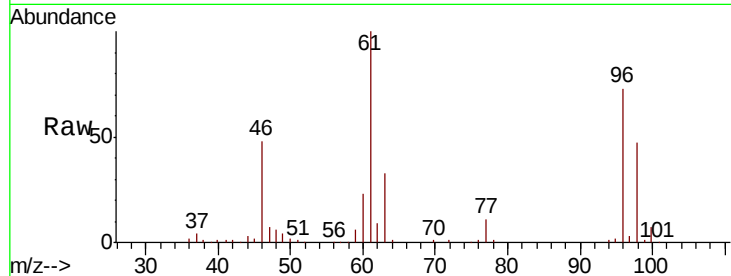


#22

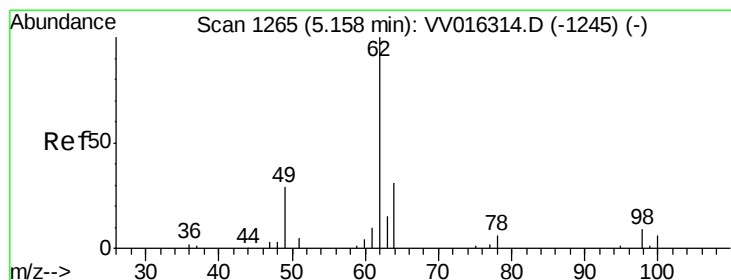
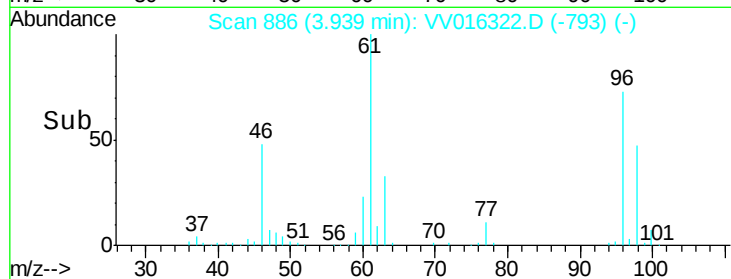
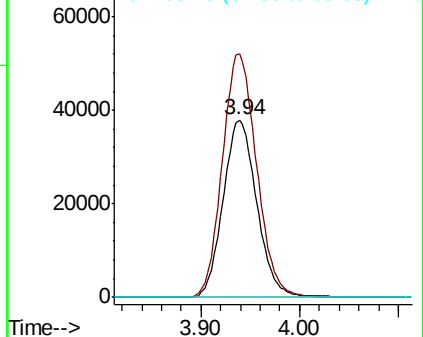
cis-1,2-Dichloroethene
Concen: 12.103 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 90164
Ion Ratio Lower Upper
96 100
61 137.4 99.7 185.1
68 0.0 0.0 0.0



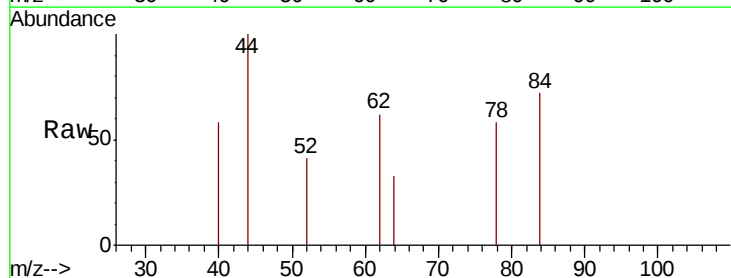
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



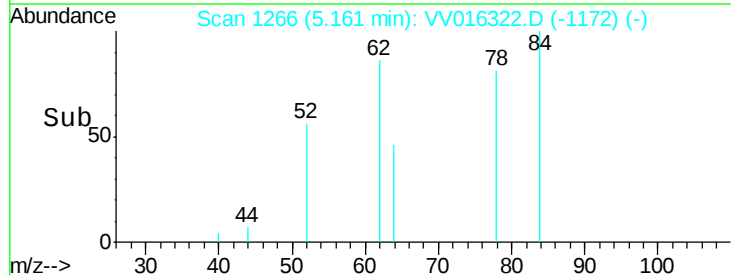
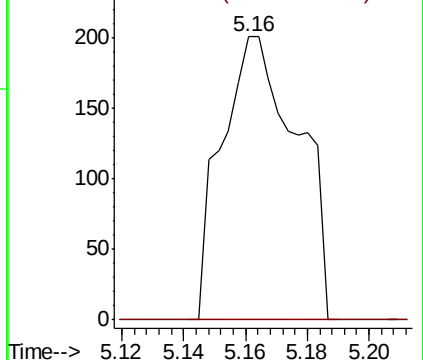
#27

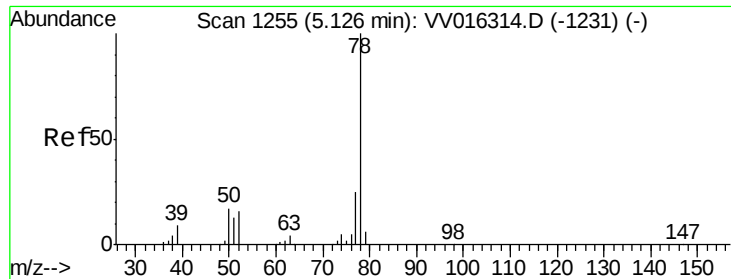
1,2-Dichloroethane
Concen: 0.041 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

Tgt Ion: 62 Resp: 343
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

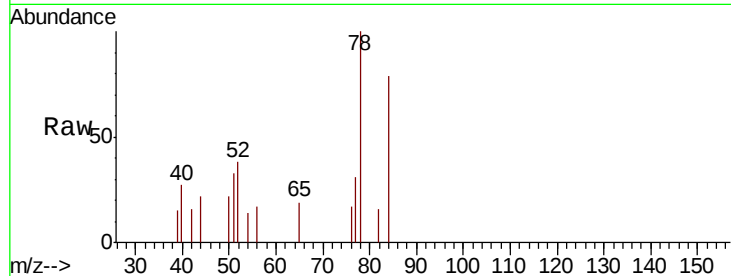




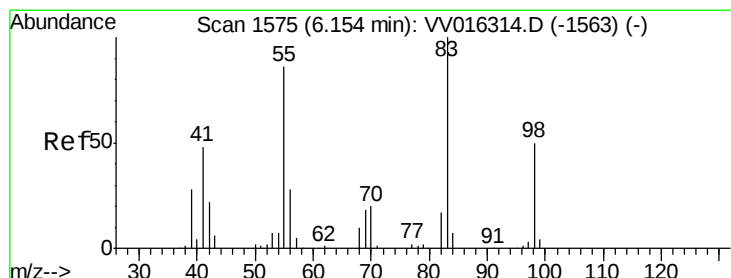
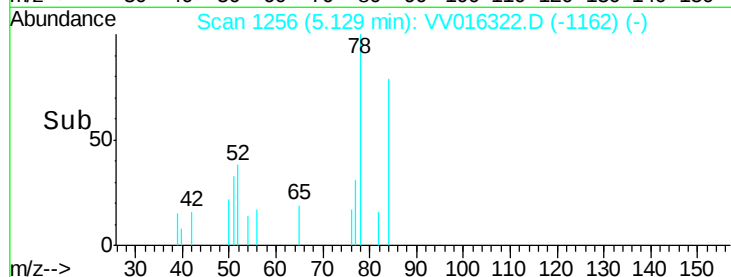
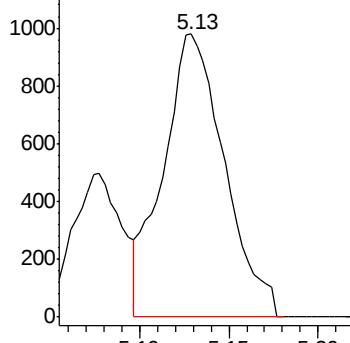
#33
Benzene
Concen: 0.088 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 2341

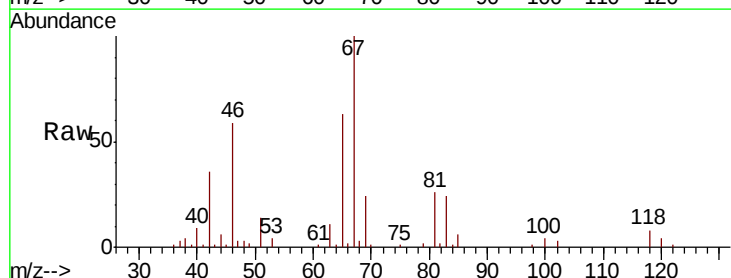


Abundance Ion 78.10 (77.80 to 78.80): VV0



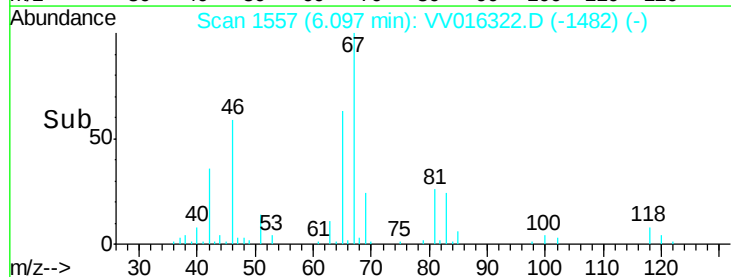
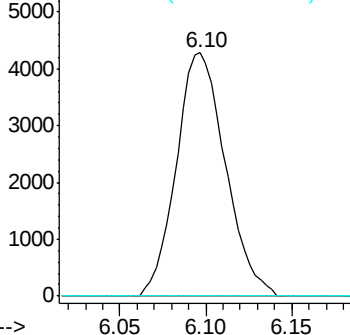
#35
Methylcyclohexane
Concen: 0.726 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

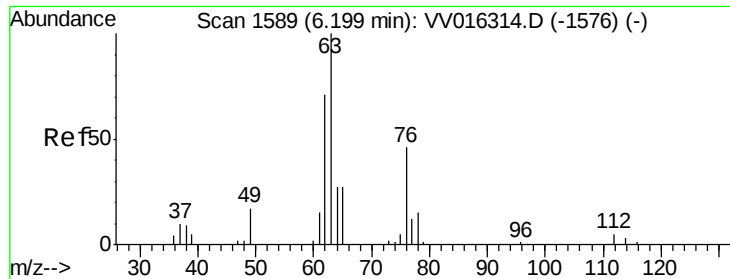
Tgt Ion: 83 Resp: 8476
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 39.3 58.9#



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

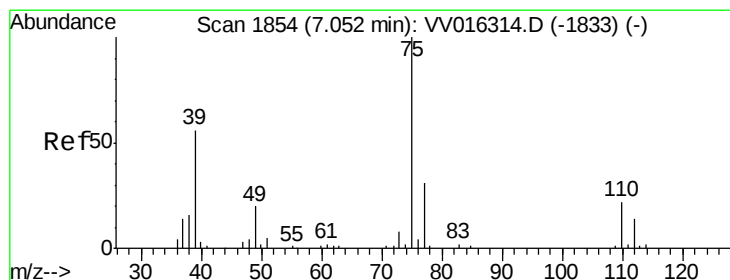
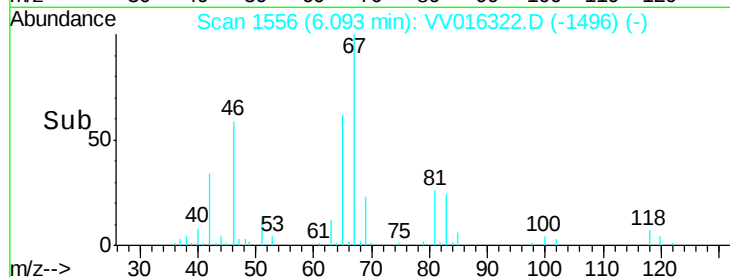
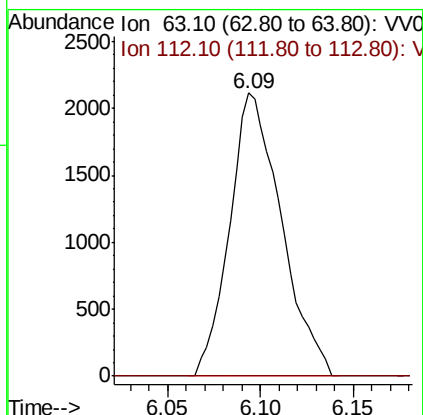
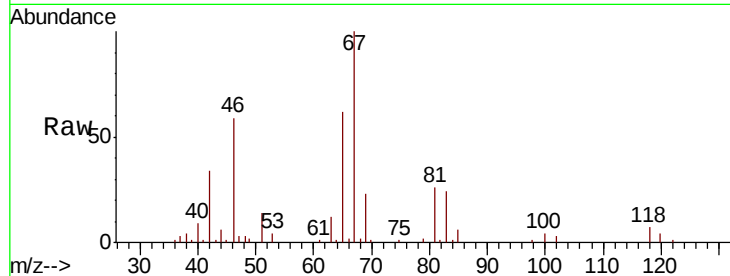




#37
 1,2-Dichloropropane
 Concen: 0.628 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV016322.D
 Acq: 29 May 2020 18:00

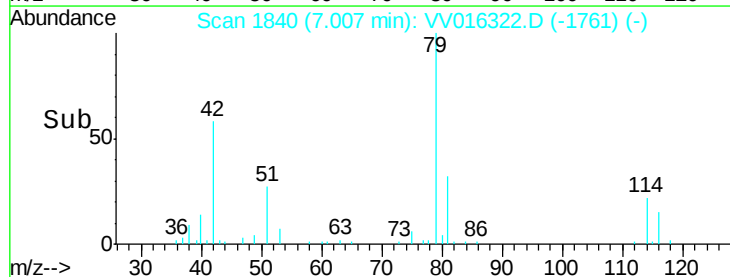
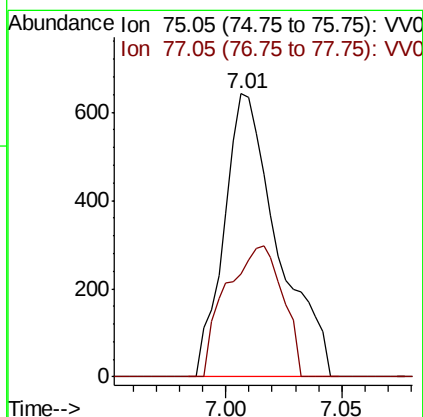
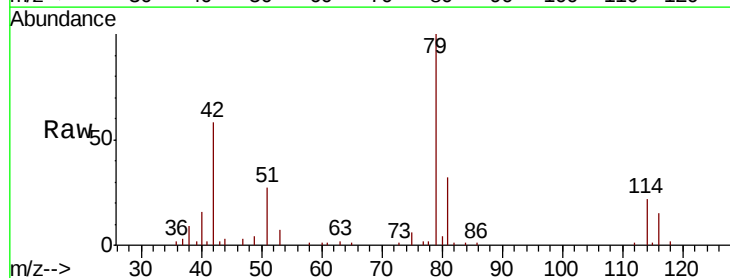
Instrument :
 MSVOA_V
 ClientSampleId :

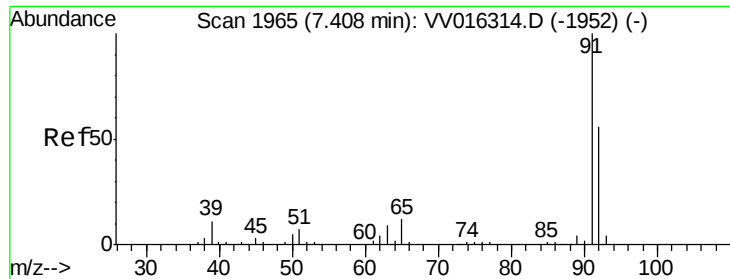
Tot Ion: 63 Resp: 4094
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016322.D
 Acq: 29 May 2020 18:00

Tgt Ion: 75 Resp: 1032
 Ion Ratio Lower Upper
 75 100
 77 36.3 21.7 40.3





#42

Toluene

Concen: 0.128 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016322.D

Acq: 29 May 2020 18:00

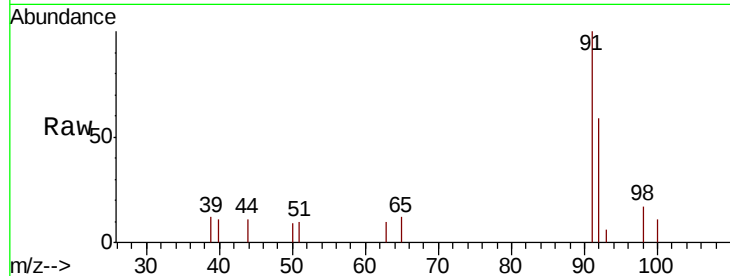
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 3699

Ion Ratio Lower Upper

91 100

92 58.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016314.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016314.D (-1952) (-)

7.41

2000

1500

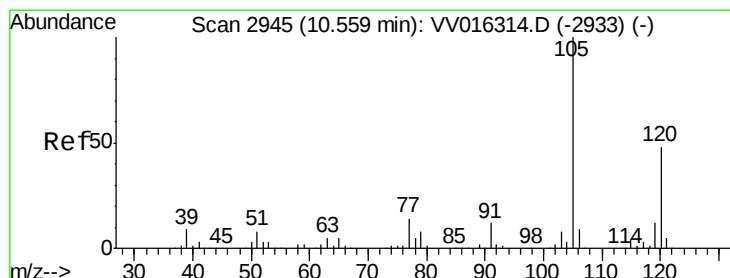
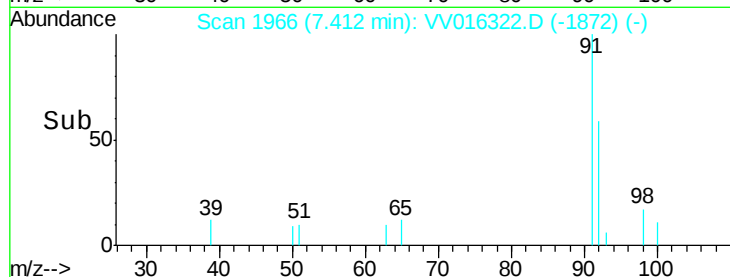
1000

500

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.034 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016322.D

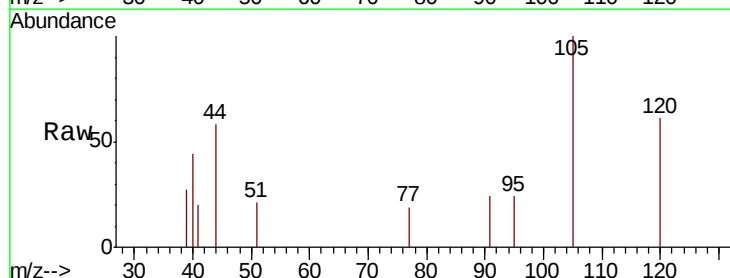
Acq: 29 May 2020 18:00

Tgt Ion:105 Resp: 888

Ion Ratio Lower Upper

105 100

120 44.0 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016314.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016314.D (-2933) (-)

10.56

600

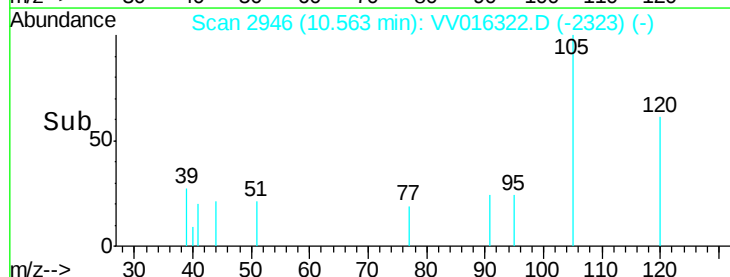
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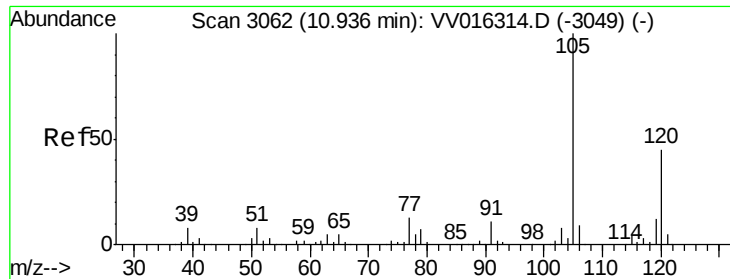
200

0

10.55 10.60

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 0.081 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV016322.D

Acq: 29 May 2020 18:00

Instrument :

MSVOA_V

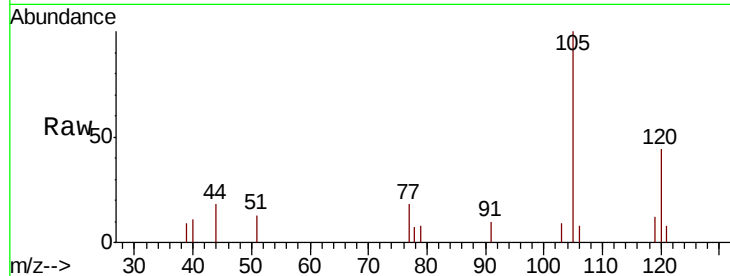
ClientSampleId :

Tot Ion:105 Resp: 2201

Ion Ratio Lower Upper

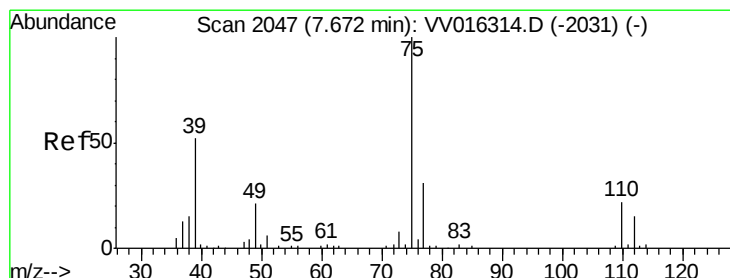
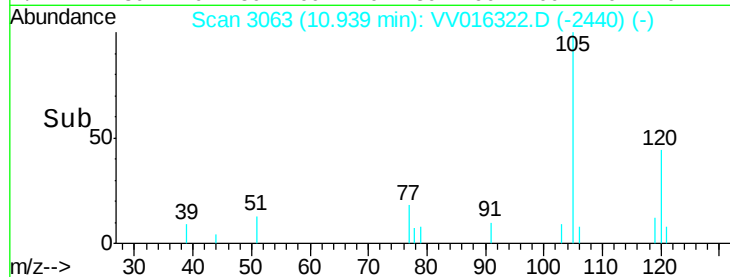
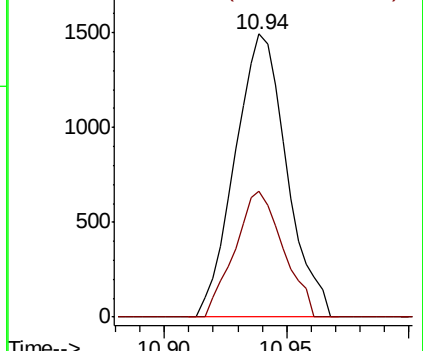
105 100

120 41.5 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: 0.067 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016322.D

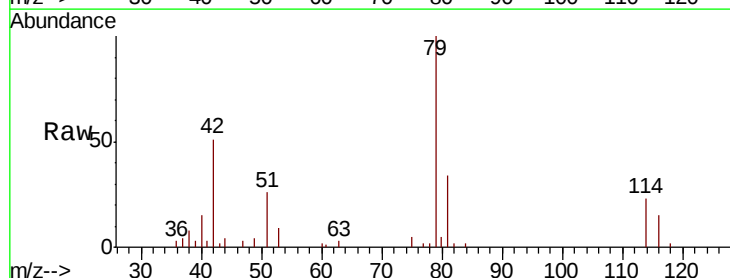
Acq: 29 May 2020 18:00

Tgt Ion: 75 Resp: 515

Ion Ratio Lower Upper

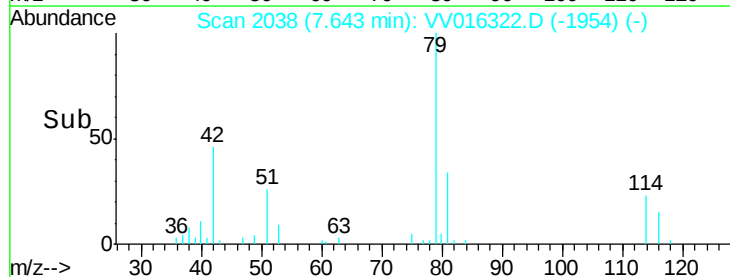
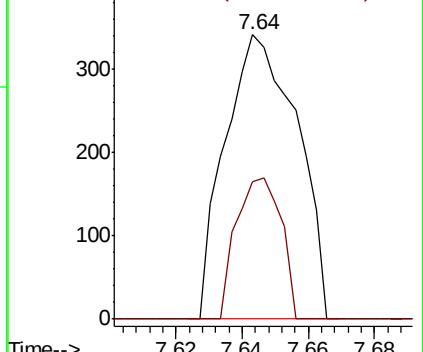
75 100

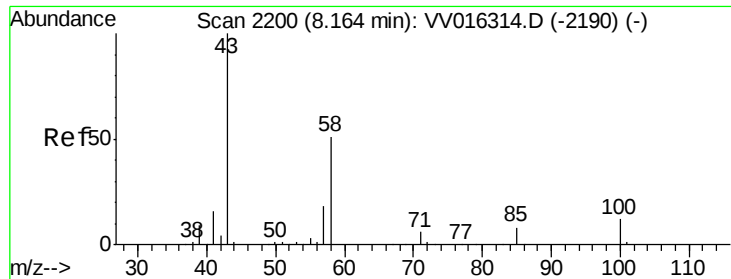
77 48.0 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

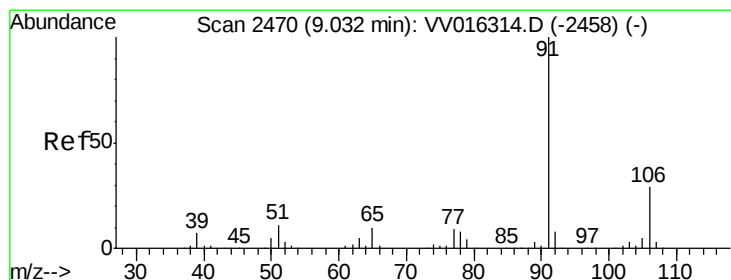
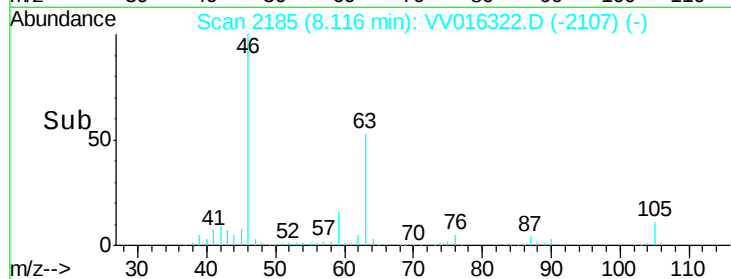
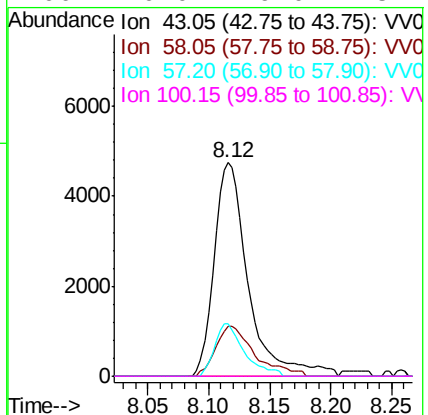
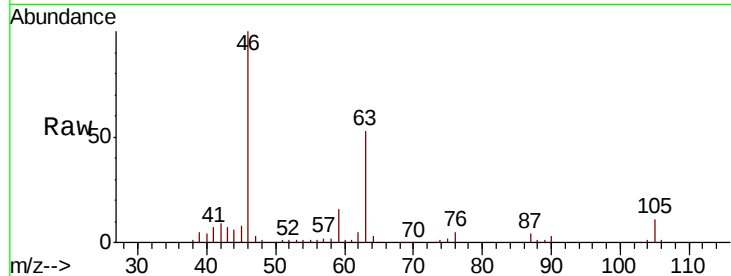




#50
2-Hexanone
Concen: 3.298 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

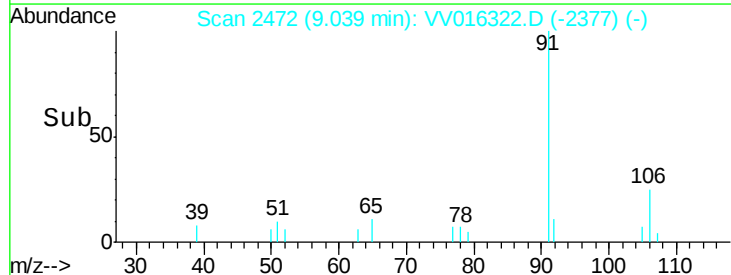
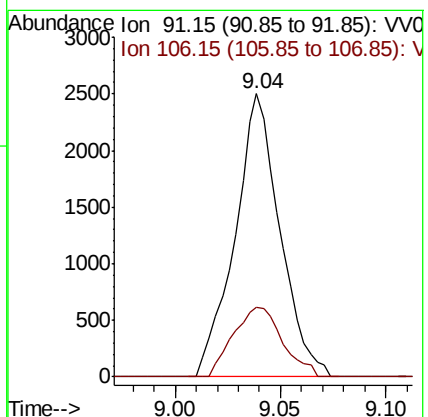
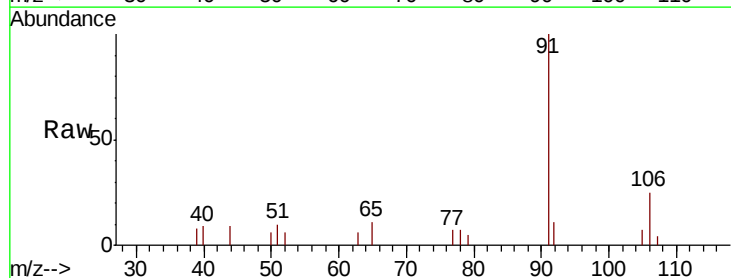
Instrument :
MSVOA_V
ClientSampleId :

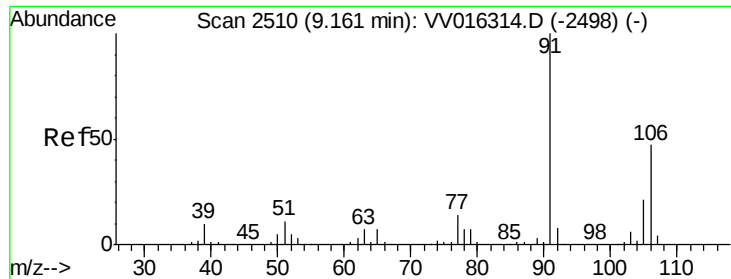
Tot Ion: 43 Resp: 9322
Ion Ratio Lower Upper
43 100
58 26.7 41.4 62.0#
57 21.5 15.0 22.4
100 0.0 9.0 13.4#



#54
Ethylbenzene
Concen: 0.115 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV016322.D
Acq: 29 May 2020 18:00

Tgt Ion: 91 Resp: 3703
Ion Ratio Lower Upper
91 100
106 24.7 21.0 39.0





#55

m,p-xylene

Concen: 0.130 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV016322.D

Acq: 29 May 2020 18:00

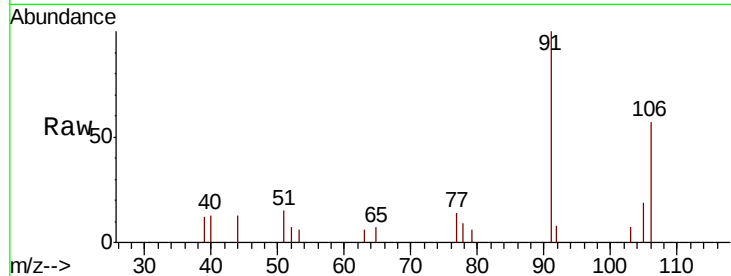
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1580

Ion Ratio Lower Upper

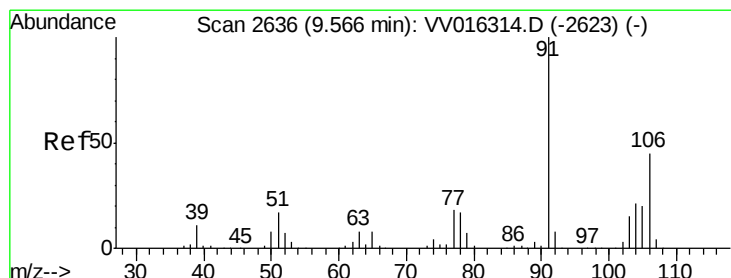
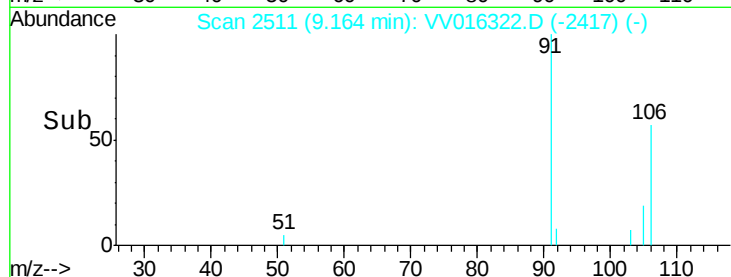
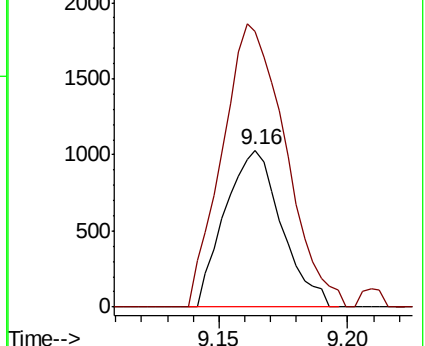
106 100

91 175.7 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.085 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016322.D

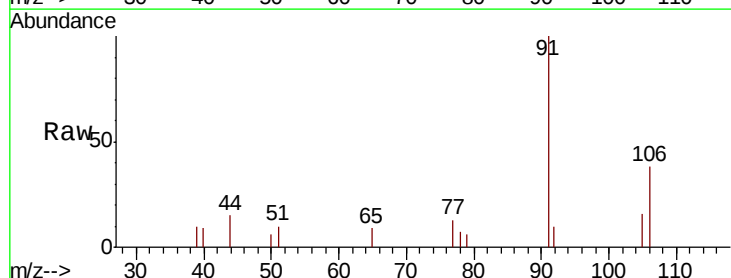
Acq: 29 May 2020 18:00

Tgt Ion:106 Resp: 982

Ion Ratio Lower Upper

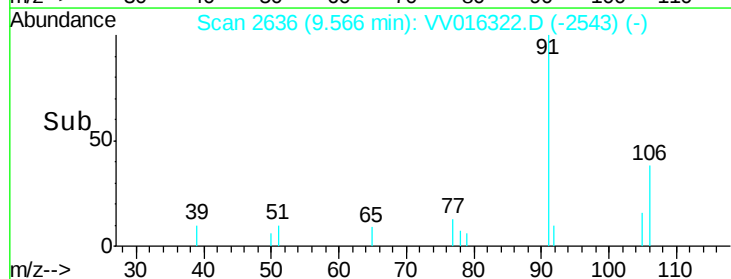
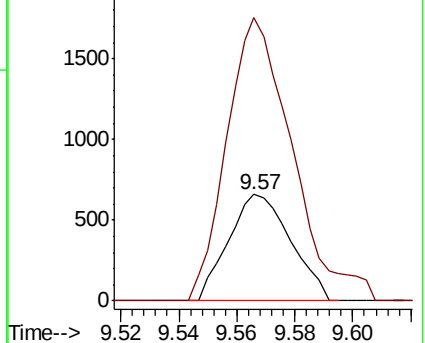
106 100

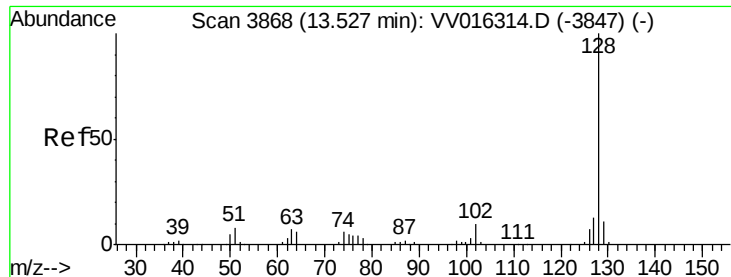
91 266.2 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#70

Naphthalene

Concen: 155.553 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016322.D

Acq: 29 May 2020 18:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2817723

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.2 10.6 15.8

