

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018426.D
 Acq On : 24 Sep 2020 14:06
 Operator : SY/MD
 Sample : L4109-14DL 20X
 Misc : 6.20g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 25 04:45:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	337997	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183731	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84911	30.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.66%
7) Chloroethane-d5	1.58	69	77002	34.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.32%#
11) 1,1-Dichloroethene-d2	2.12	63	132716	26.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.54%#
21) 2-Butanone-d5	3.92	46	145450	86.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.27%
24) Chloroform-d	4.38	84	184267	38.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.12%
26) 1,2-Dichloroethane-d4	5.06	65	122985	40.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.28%
32) Benzene-d6	5.08	84	369242	38.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.88%
36) 1,2-Dichloropropane-d6	6.09	67	119110	39.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.08%
41) Toluene-d8	7.34	98	339005	39.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.46%#
43) trans-1,3-Dichloropropene-	7.64	79	59649	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.92%
47) 2-Hexanone-d5	8.11	63	101209	88.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.69%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	161271	42.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	159895	42.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Methyl Acetate	2.55	43	153307	63.187	ug/L #	53
20) cis-1,2-Dichloroethene	3.94	96	3616	1.479	ug/L	98
29) Cyclohexane	4.70	56	14428	3.772	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	23445	6.100	ug/L	99
31) Carbon tetrachloride	4.64	117	3034	0.898	ug/L	100
34) Trichloroethene	5.95	95	2292	0.889	ug/L	92
37) 1,2-Dichloropropane	6.10	63	12816	5.107	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3491	0.903	ug/L #	55
42) Toluene	7.41	91	454139	45.317	ug/L	99
52) Ethylbenzene	9.04	91	79306	7.249	ug/L	99
53) m,p-Xylene	9.16	106	134453	32.924	ug/L	96
54) o-xylene	9.57	106	57690	14.664	ug/L	98
56) Isopropylbenzene	9.95	105	71276	6.722	ug/L	99
59) 1,2,3-Trichloropropane	10.37	75	2400	0.813	ug/L #	1
65) 1,2-Dichlorobenzene	11.67	146	5714	1.035	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	12.49	75	1075	1.379	ug/L #	1
69) Naphthalene	13.52	128	191217	19.703	ug/L	99

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Quant Time: Sep 25 04:45:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 04:36:20 2020
Response via : Initial Calibration

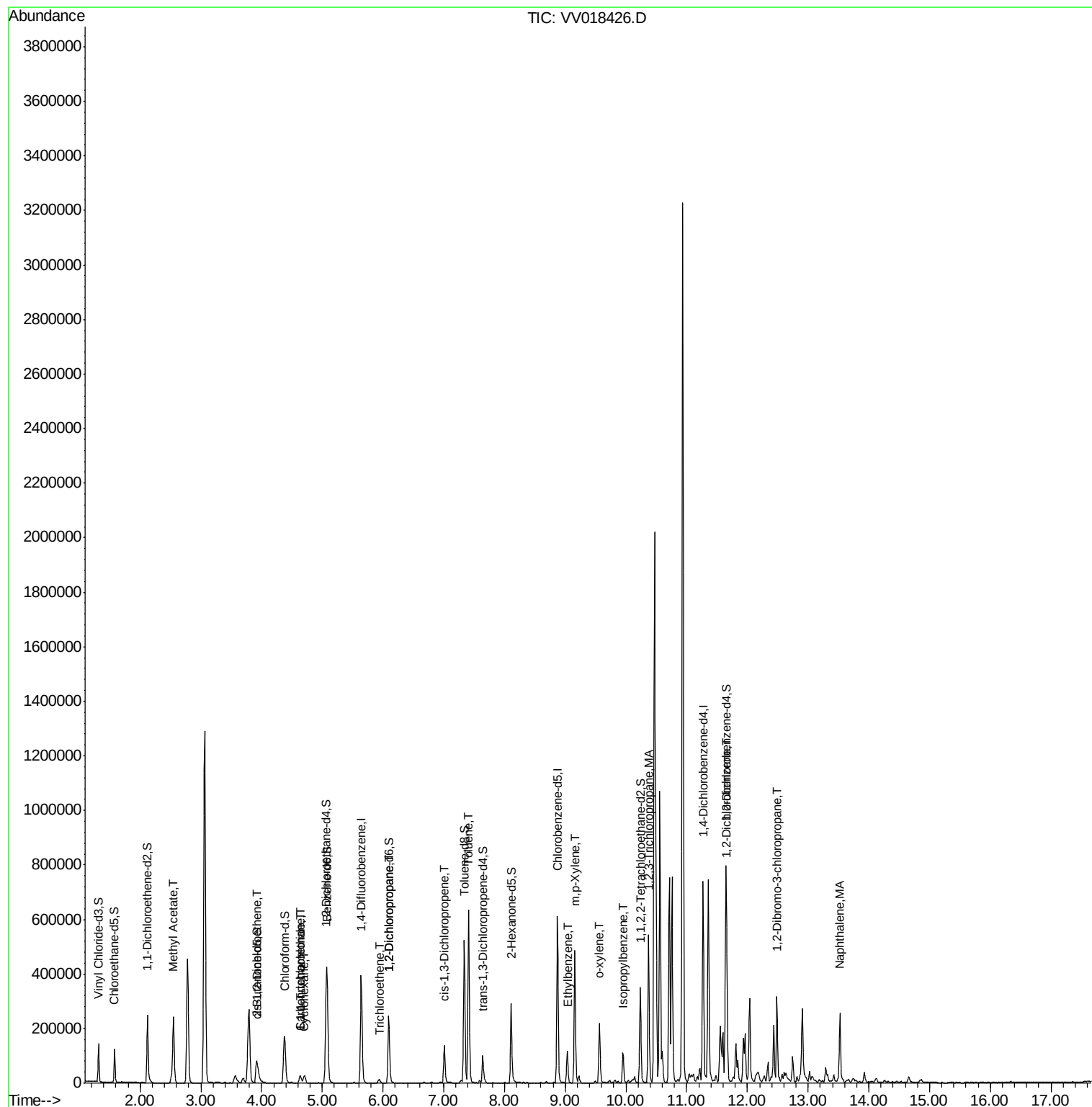
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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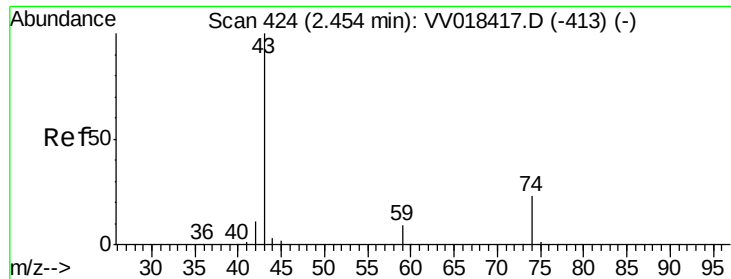
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092420\
Data File : VV018426.D
Acq On : 24 Sep 2020 14:06
Operator : SY/MD
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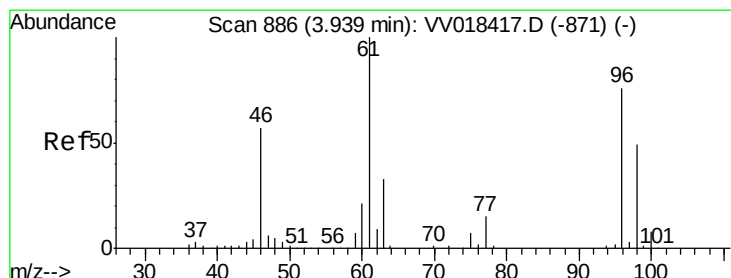
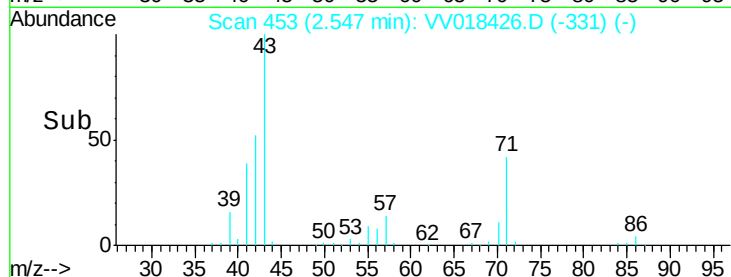
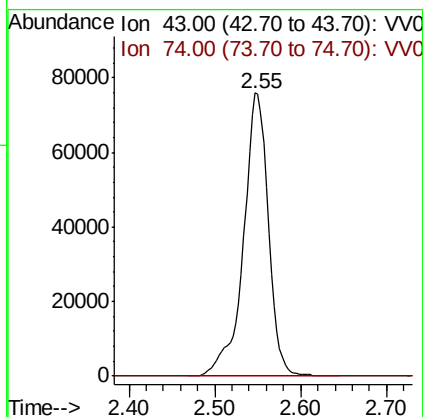
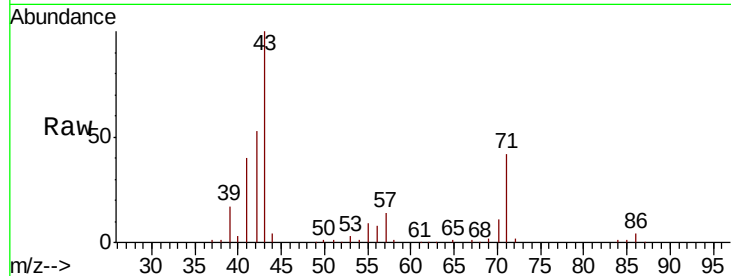




#15
Methyl Acetate
Concen: 63.187 ug/L
RT: 2.55 min Scan# 453
Delta R.T. 0.09 min
Lab File: VV018426.D
Acq: 24 Sep 2020 14:06

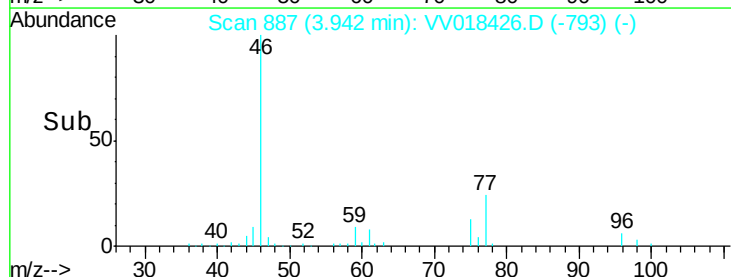
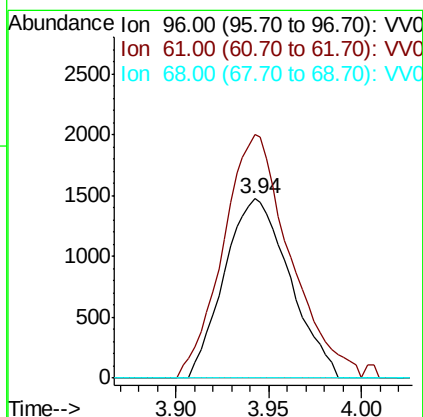
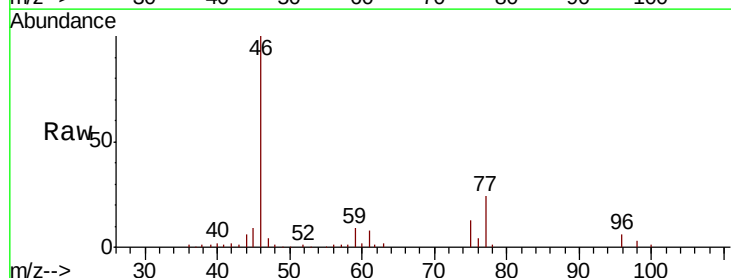
Instrument :
MSVOA_V
ClientSampleId :

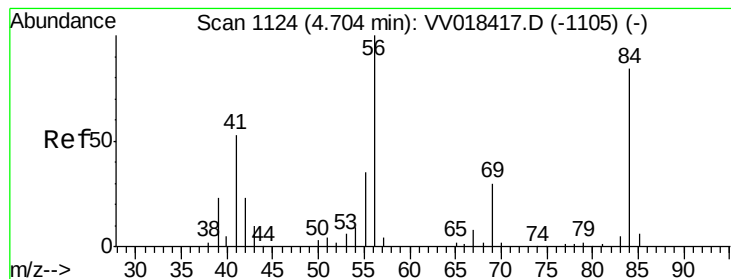
Tot Ion: 43 Resp: 153307
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#20
cis-1,2-Dichloroethene
Concen: 1.479 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV018426.D
Acq: 24 Sep 2020 14:06

Tgt Ion: 96 Resp: 3616
Ion Ratio Lower Upper
96 100
61 135.9 93.6 173.8
68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 3.772 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Instrument :
MSVOA_V
ClientSampleId :

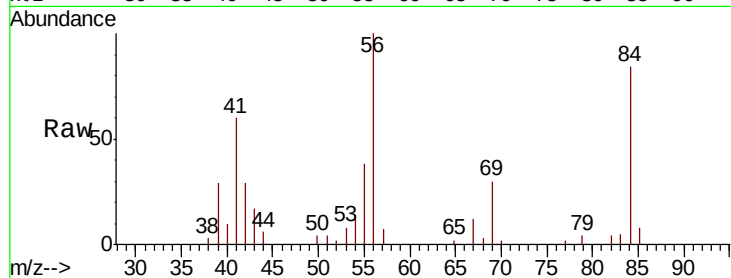
Tot Ion: 56 Resp: 14428

Ion Ratio Lower Upper

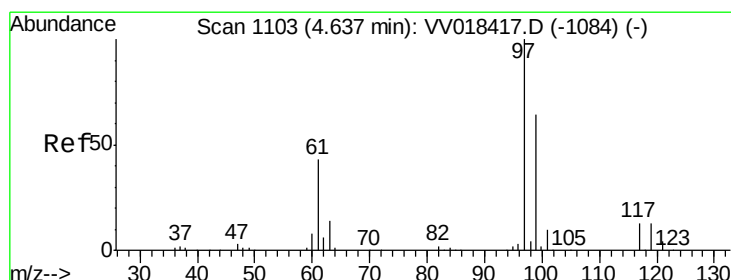
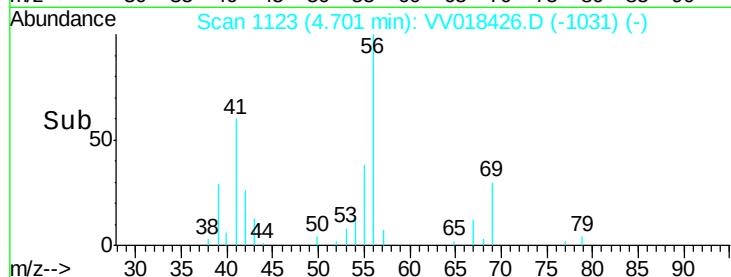
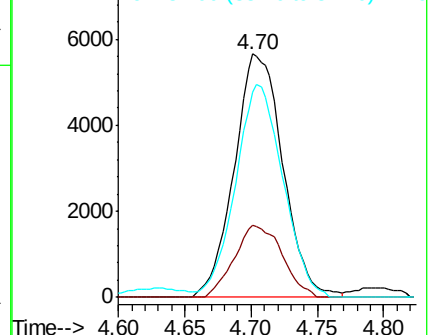
56 100

69 28.9 24.2 36.2

84 85.6 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 6.100 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

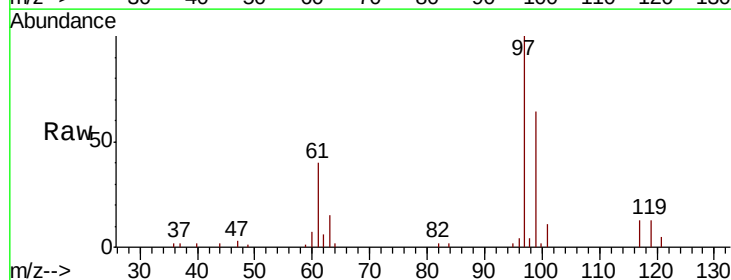
Tgt Ion: 97 Resp: 23445

Ion Ratio Lower Upper

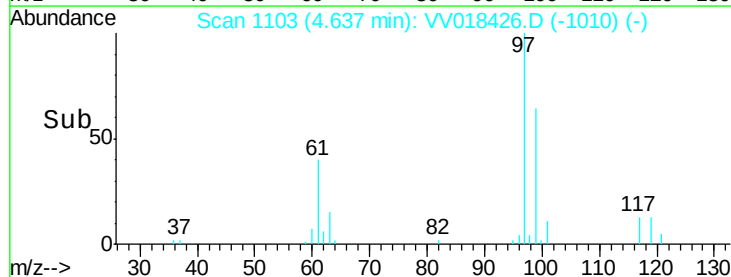
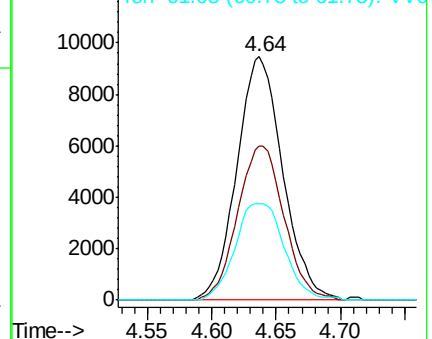
97 100

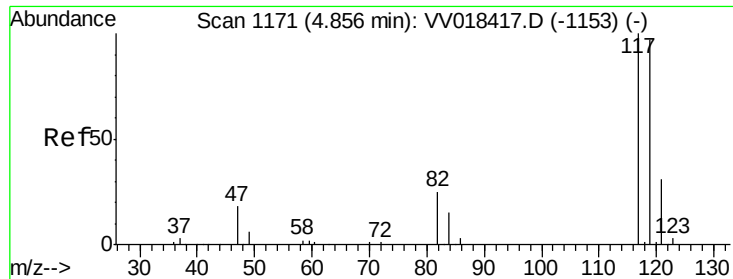
99 64.0 51.6 77.4

61 42.3 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 0.898 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. -0.22 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Instrument :

MSVOA_V

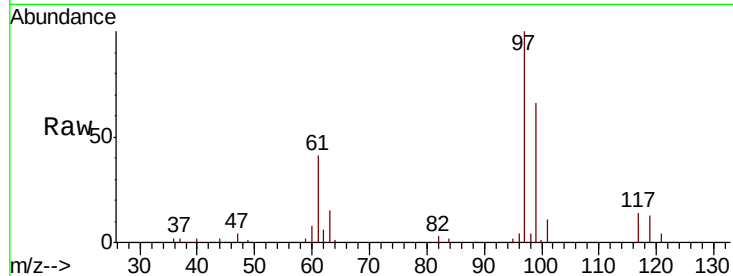
ClientSampled :

Tot Ion:117 Resp: 3034

Ion Ratio Lower Upper

117 100

119 94.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.64

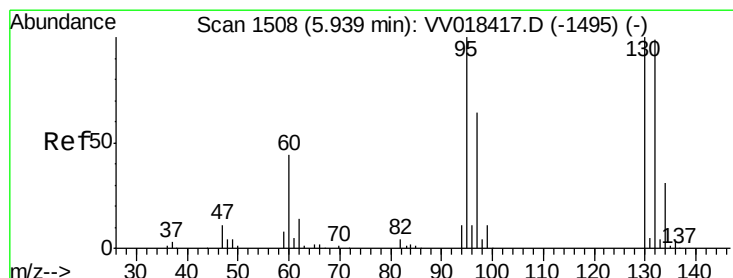
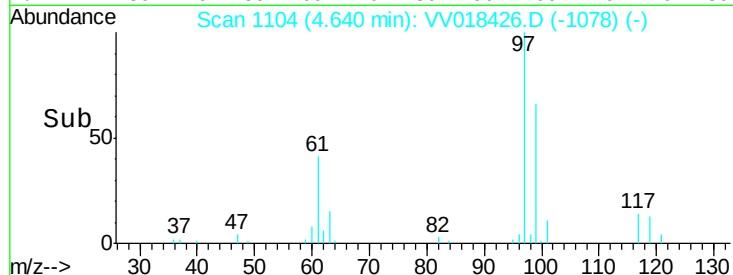
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 0.889 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Tgt Ion: 95 Resp: 2292

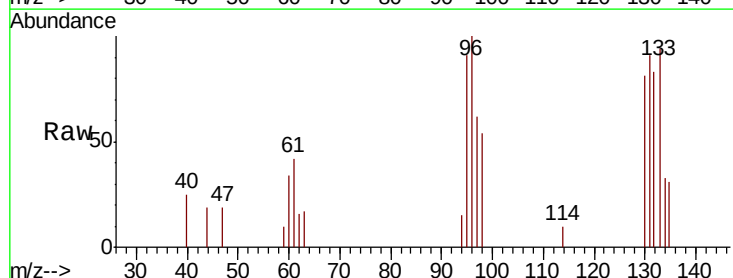
Ion Ratio Lower Upper

95 100

97 68.7 46.3 85.9

132 91.7 68.1 126.5

130 89.2 71.5 132.9



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

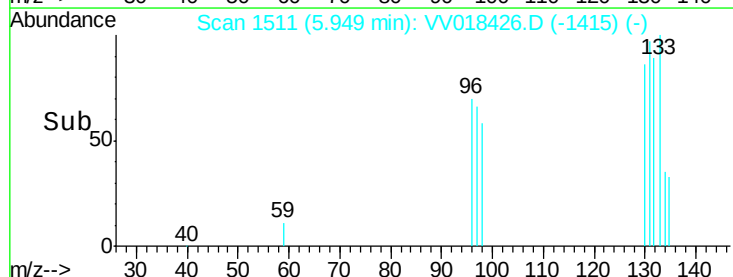
1500

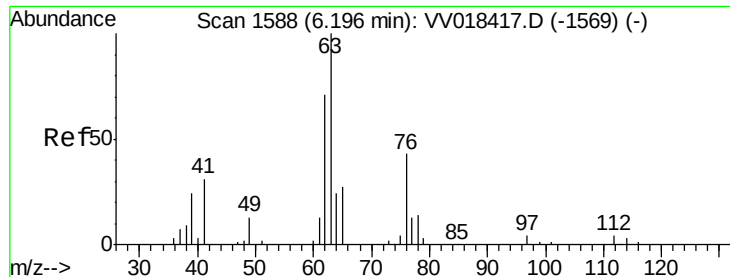
1000

500

0

Time-->

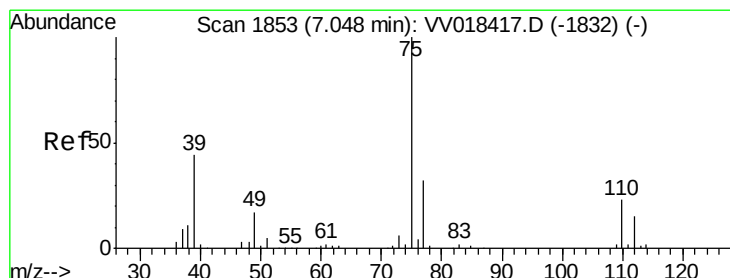
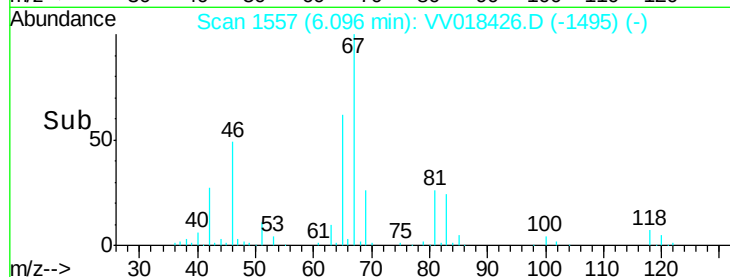
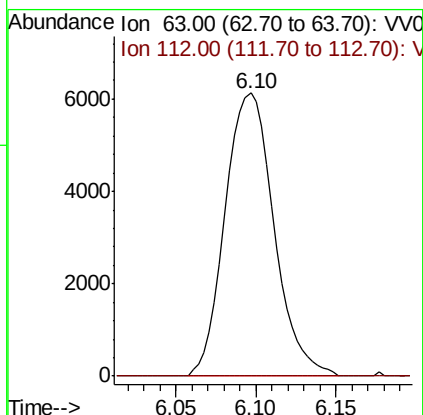
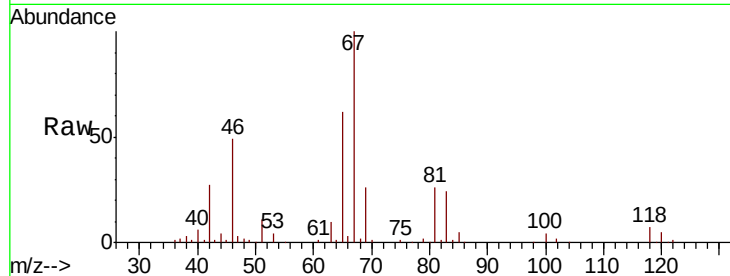




#37
 1,2-Dichloropropane
 Concen: 5.107 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV018426.D
 Acq: 24 Sep 2020 14:06

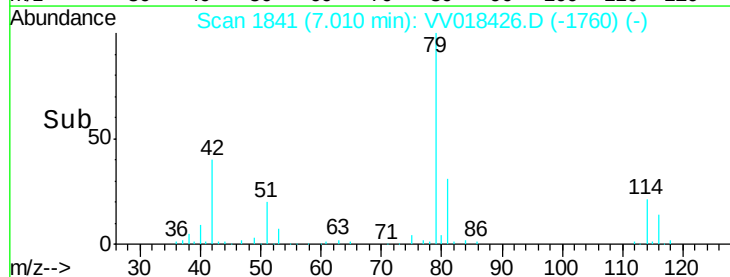
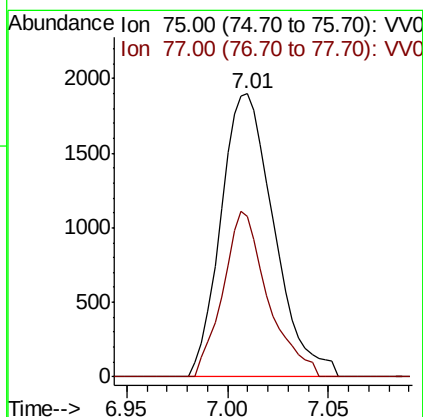
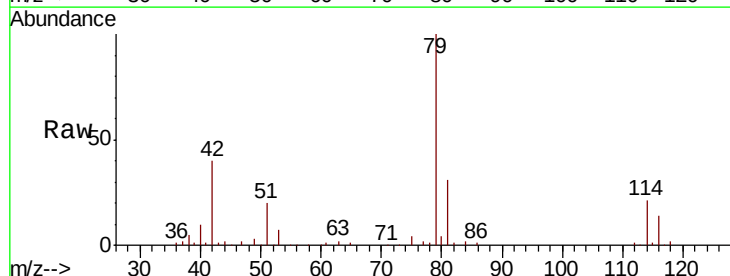
Instrument :
 MSVOA_V
 ClientSampleId :

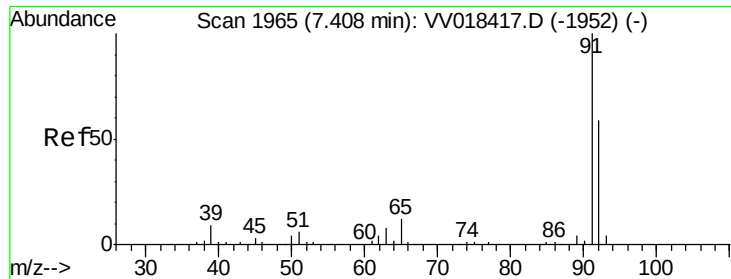
Tot Ion: 63 Resp: 12816
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.903 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018426.D
 Acq: 24 Sep 2020 14:06

Tgt Ion: 75 Resp: 3491
 Ion Ratio Lower Upper
 75 100
 77 56.6 22.3 41.3#





#42

Toluene

Concen: 45.317 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

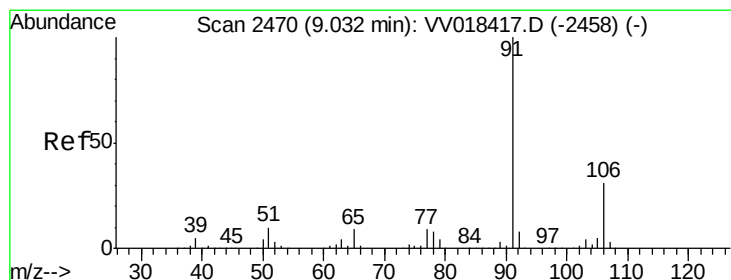
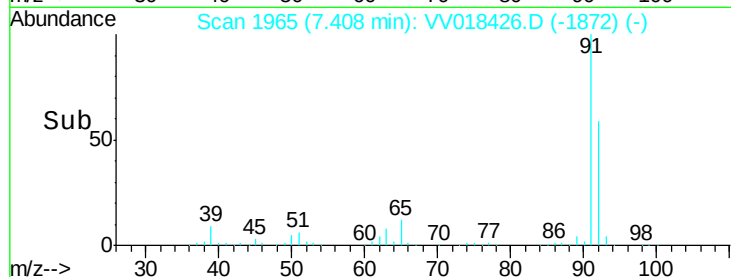
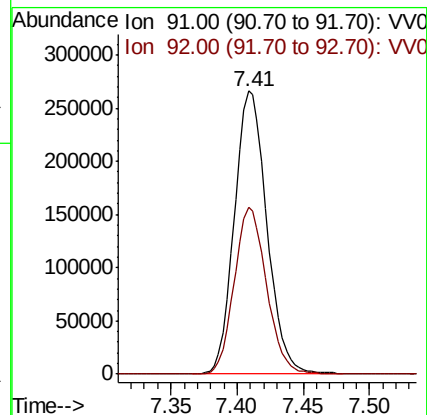
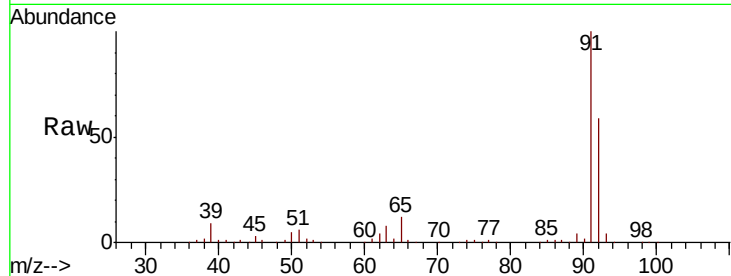
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 454139

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.5



#52

Ethylbenzene

Concen: 7.249 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018426.D

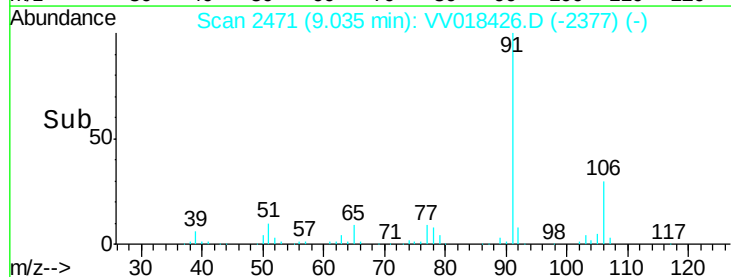
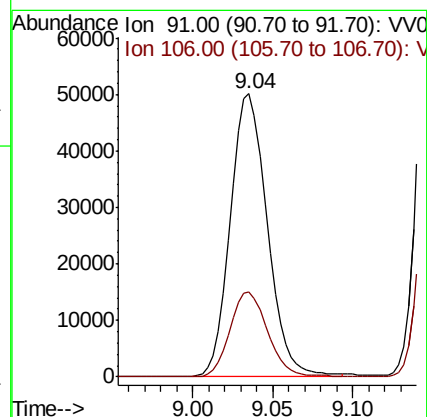
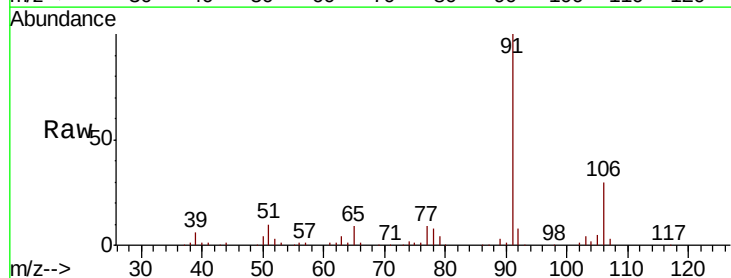
Acq: 24 Sep 2020 14:06

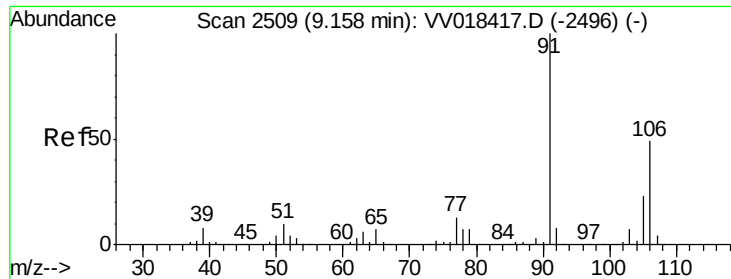
Tgt Ion: 91 Resp: 79306

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5

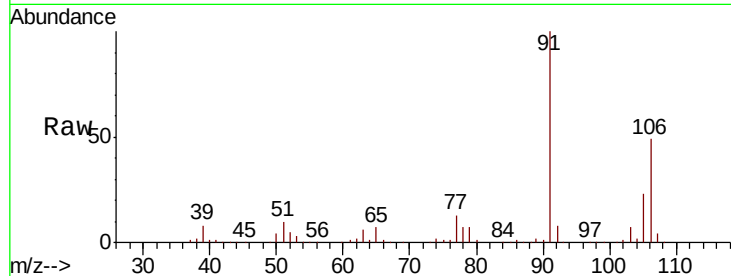




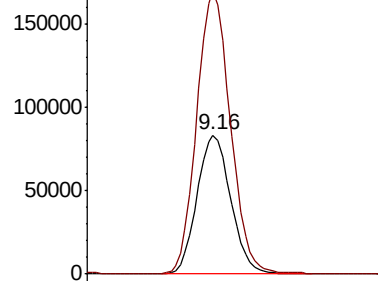
#53
m,p-Xylene
Concen: 32.924 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018426.D
Acq: 24 Sep 2020 14:06

Instrument :
MSVOA_V
ClientSampleId :

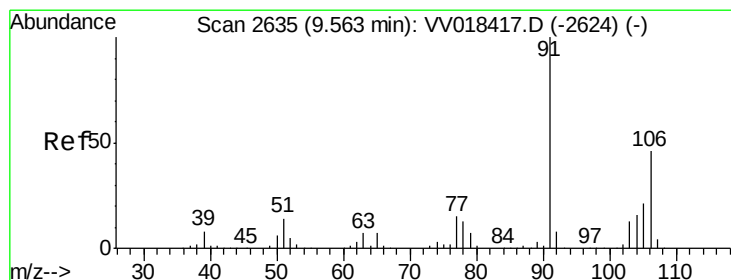
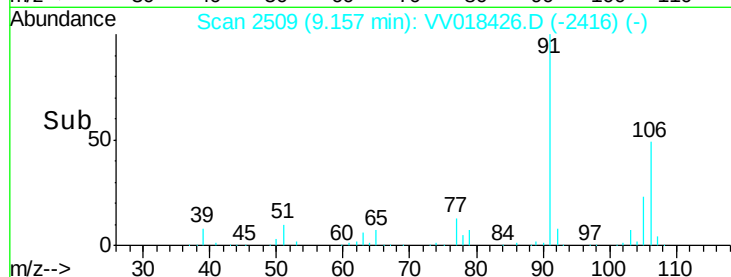
Tot Ion:106 Resp: 134453
Ion Ratio Lower Upper
106 100
91 203.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

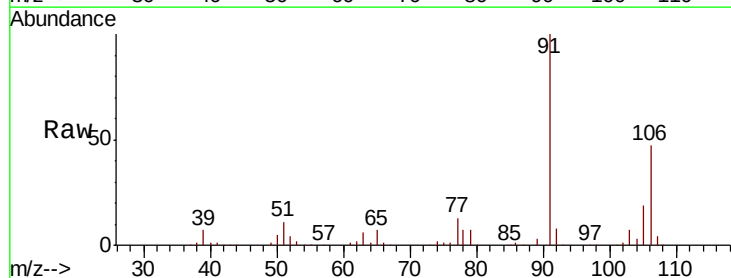


Time-->

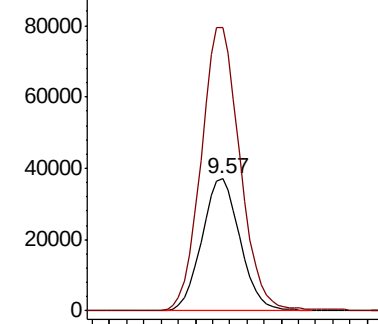


#54
o-xylene
Concen: 14.664 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018426.D
Acq: 24 Sep 2020 14:06

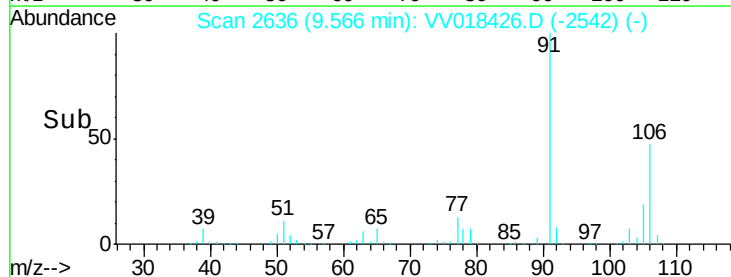
Tgt Ion:106 Resp: 57690
Ion Ratio Lower Upper
106 100
91 214.1 152.2 282.6

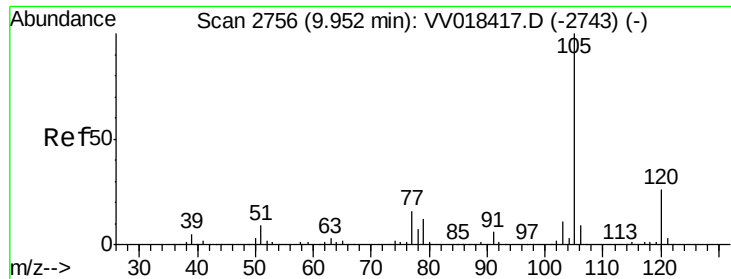


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 6.722 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

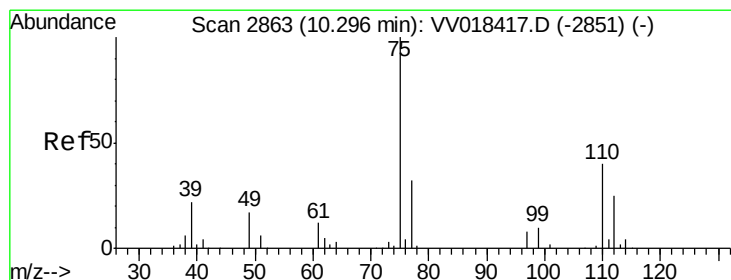
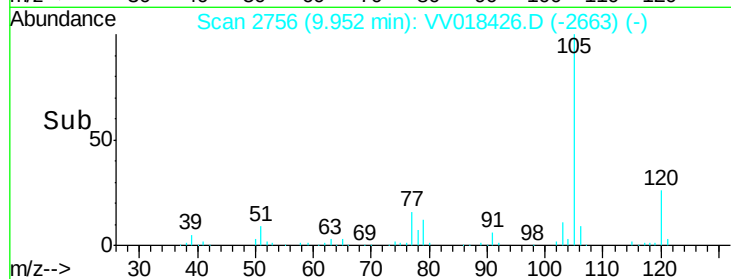
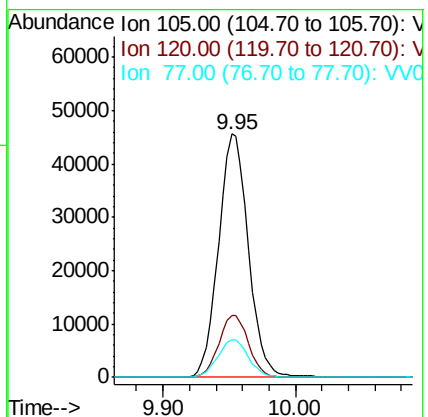
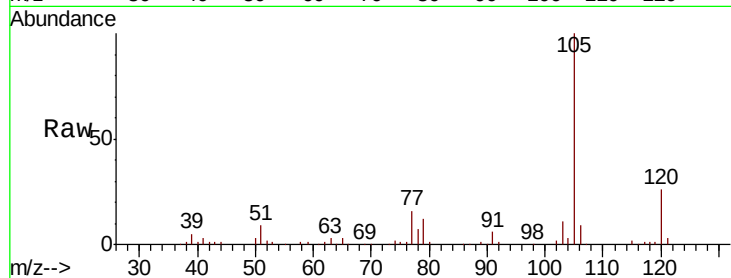
Tot Ion:105 Resp: 71276

Ion Ratio Lower Upper

105 100

120 25.3 20.9 31.3

77 15.8 12.5 18.7



#59

1,2,3-Trichloropropane

Concen: 0.813 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV018426.D

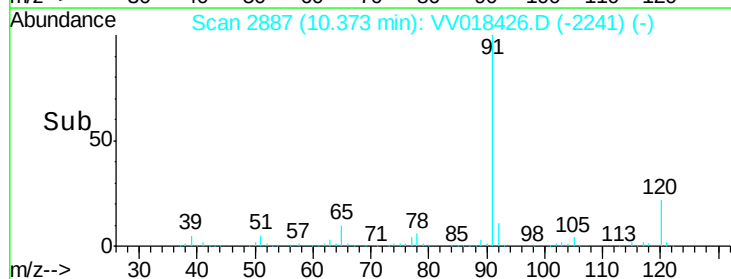
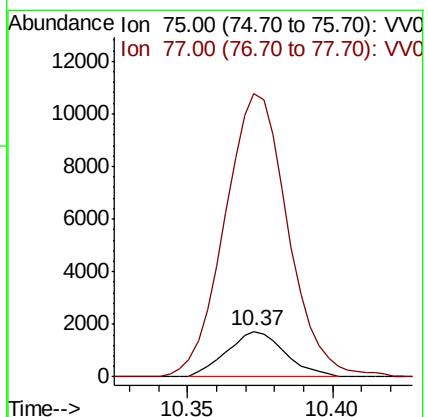
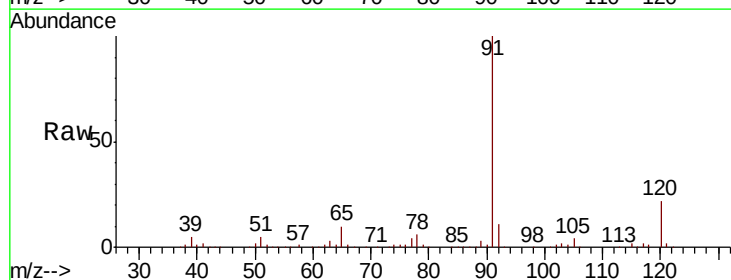
Acq: 24 Sep 2020 14:06

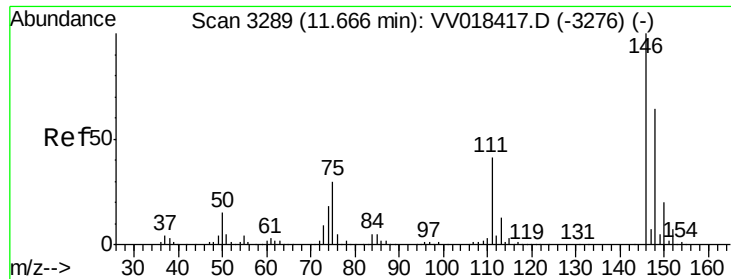
Tgt Ion: 75 Resp: 2400

Ion Ratio Lower Upper

75 100

77 679.5 25.8 38.6#





#65

1,2-Dichlorobenzene

Concen: 1.035 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

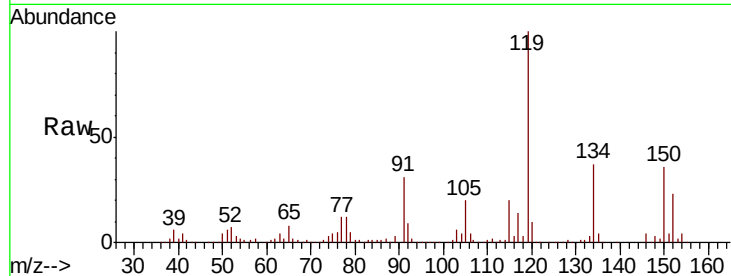
Tot Ion:146 Resp: 5714

Ion Ratio Lower Upper

146 100

111 57.2 32.8 49.2#

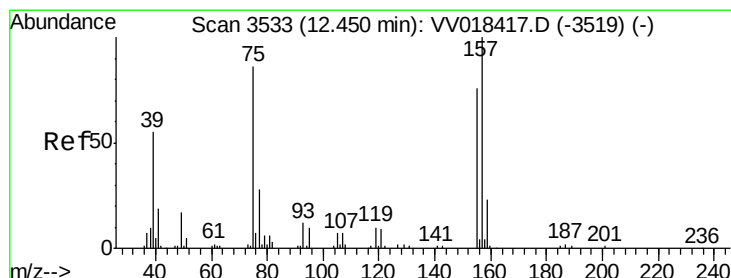
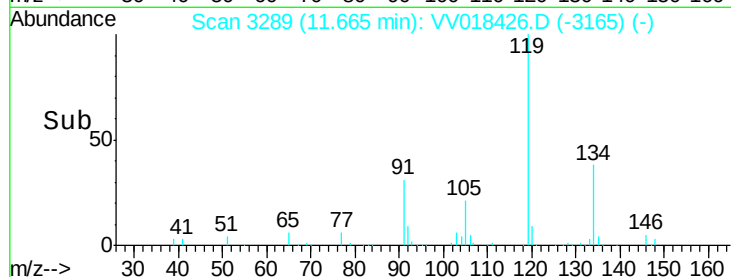
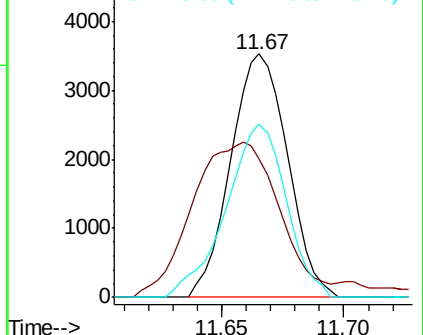
148 71.0 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.379 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.04 min

Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

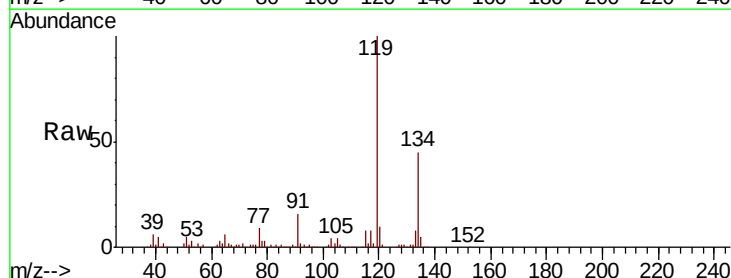
Tgt Ion: 75 Resp: 1075

Ion Ratio Lower Upper

75 100

155 0.0 69.7 104.5#

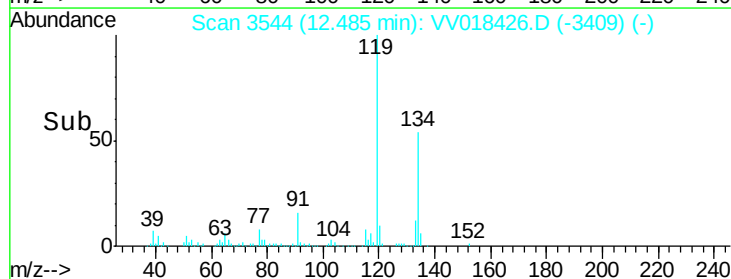
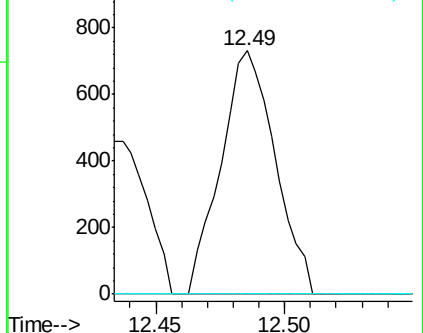
157 0.0 88.2 132.4#

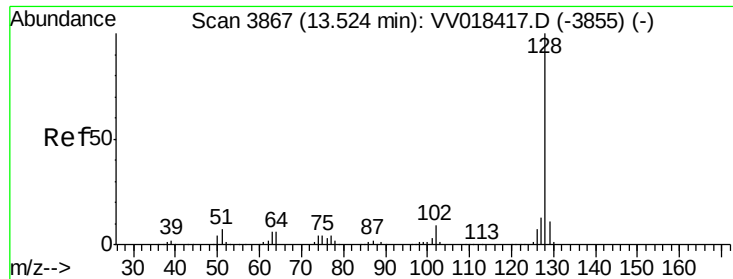


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 19.703 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

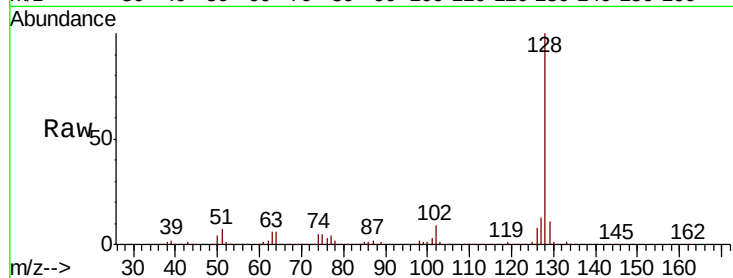
Lab File: VV018426.D

Acq: 24 Sep 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :



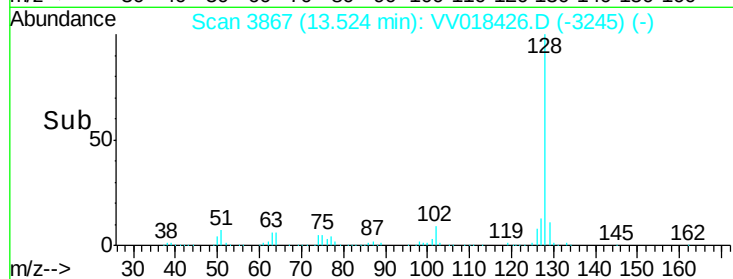
Tot Ion:128 Resp: 191217

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

