

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120721\
 Data File : VV023828.D
 Acq On : 07 Dec 2021 17:20
 Operator : SY/MD
 Sample : M4879-01DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0G20DL

Quant Time: Dec 08 01:16:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	174054	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	164774	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	90404	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36031	2.52	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	50.40%	
7) Chloroethane-d5	1.568	69	31991	2.85	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	57.00%#	
11) 1,1-Dichloroethene-d2	2.108	63	53765	2.14	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	42.80%#	
20) 2-Butanone-d5	3.892	46	95547	55.63	ug/L	-0.02
Spiked Amount 50.000	Range 40	- 130	Recovery	=	111.26%	
24) Chloroform-d	4.346	84	86767	3.49	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	69.80%#	
26) 1,2-Dichloroethane-d4	5.031	65	42033	3.62	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	72.40%	
32) Benzene-d6	5.050	84	167806	3.74	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	74.80%	
36) 1,2-Dichloropropane-d6	6.069	67	49803	3.96	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	79.20%	
41) Toluene-d8	7.313	98	155527	3.71	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	74.20%	
43) trans-1,3-Dichloroprop...	7.622	79	19158	3.78	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	75.60%	
46) 2-Hexanone-d5	8.088	63	80156	47.56	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	95.12%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35032	3.87	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	77.40%	
66) 1,2-Dichlorobenzene-d4	11.622	152	64365	4.03	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	80.60%	
Target Compounds						Qvalue
5) Vinyl chloride	1.314	62	1593	0.11	ug/L #	35
16) Methylene chloride	2.507	84	11222	0.67	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	4993	0.21	ug/L #	1
18) trans-1,2-Dichloroethene	2.764	96	1394	0.10	ug/L	96
22) cis-1,2-Dichloroethene	3.908	96	29839	2.34	ug/L	100
30) Cyclohexane	4.677	56	8817	0.49	ug/L	95
33) Benzene	5.101	78	40143	0.85	ug/L	100
34) Trichloroethene	5.915	95	20042	1.59	ug/L	95
35) Methylcyclohexane	6.130	83	6982	0.36	ug/L	93
42) Toluene	7.394	91	13272	0.26	ug/L	99
47) Tetrachloroethene	7.973	164	61510	5.37	ug/L	98
52) Ethylbenzene	9.014	91	24527	0.46	ug/L	98
53) m,p-xylene	9.140	106	18003	0.85	ug/L	98
54) o-xylene	9.548	106	3448	0.17	ug/L	87
60) Isopropylbenzene	9.934	105	7214	0.13	ug/L #	96
62) 1,3,5-Trimethylbenzene	10.538	105	26929	0.60	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	110117	2.48	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

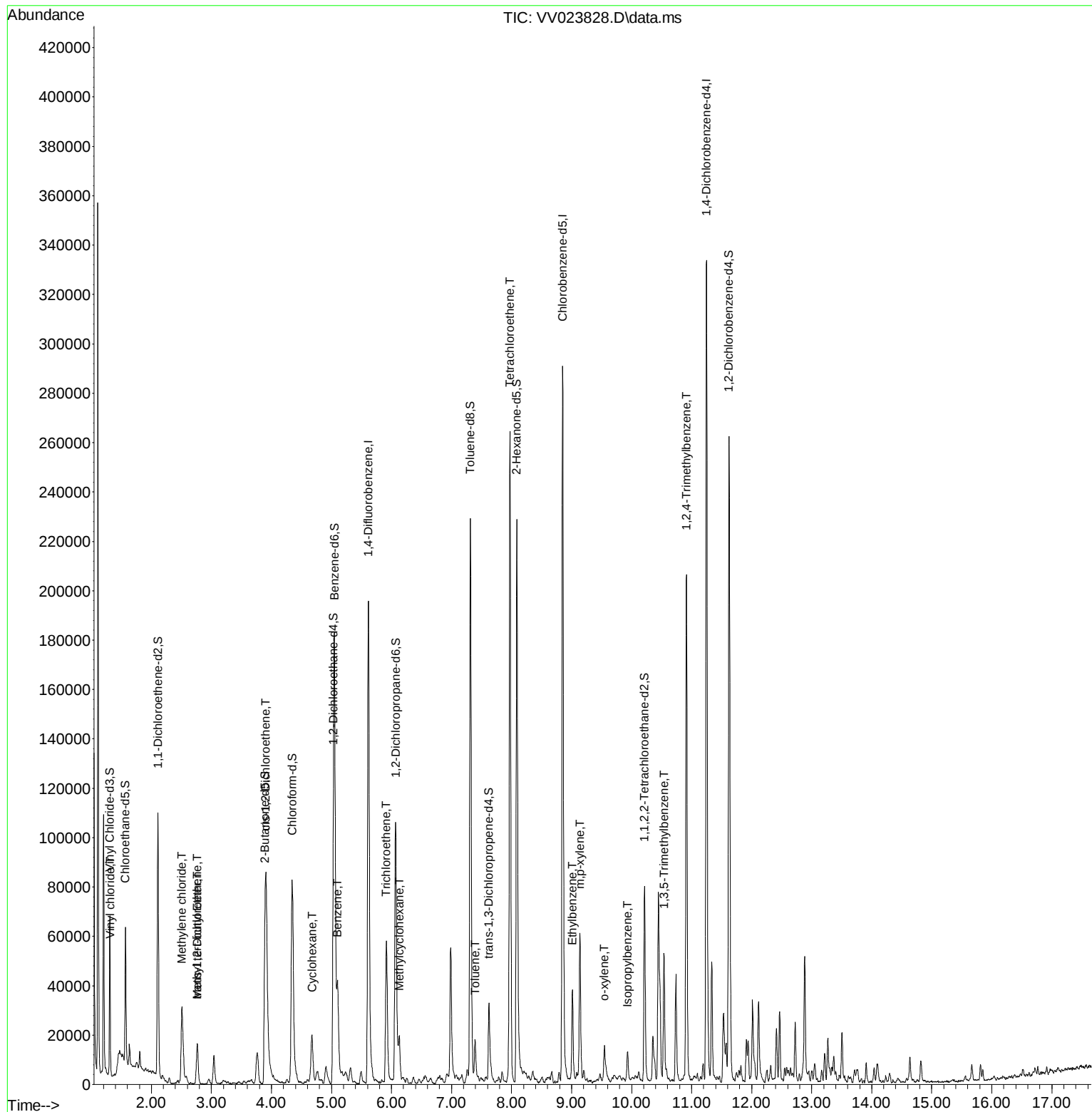
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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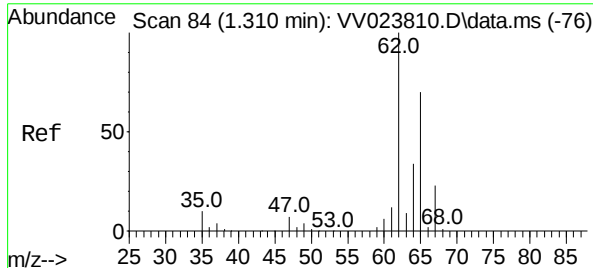
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Vinyl chloride

Concen: 0.11 ug/L

RT: 1.314 min Scan# 84

Delta R.T. 0.003 min

Lab File: VV023828.D

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Instrument :

MSVOA_V

ClientSampleId :

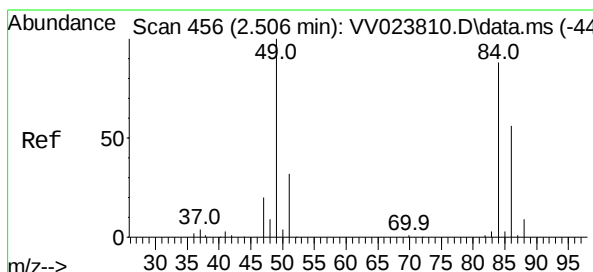
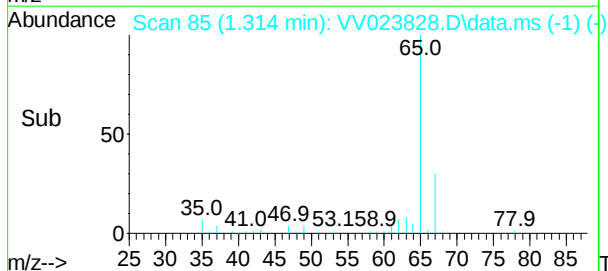
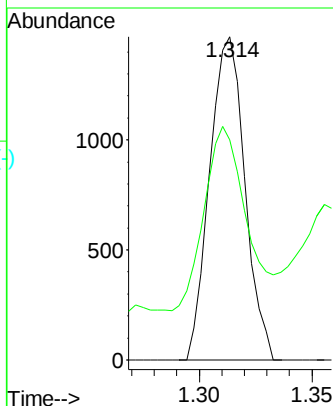
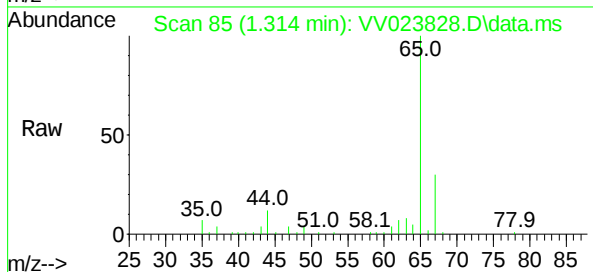
C0G20DL

Tgt Ion: 62 Resp: 1593

Ion Ratio Lower Upper

62 100

64 68.1 22.4 41.6#



Methylene chloride

Concen: 0.67 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023828.D

Acq: 07 Dec 2021 17:20

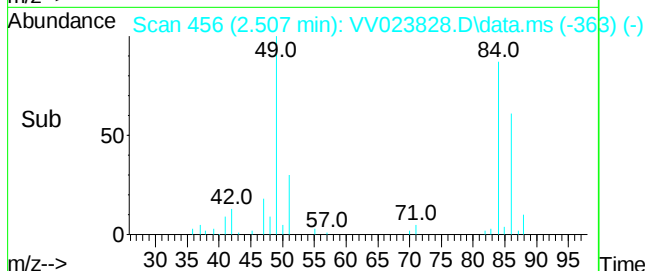
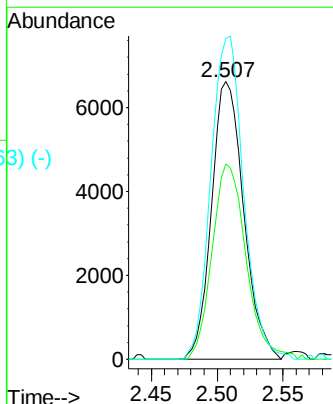
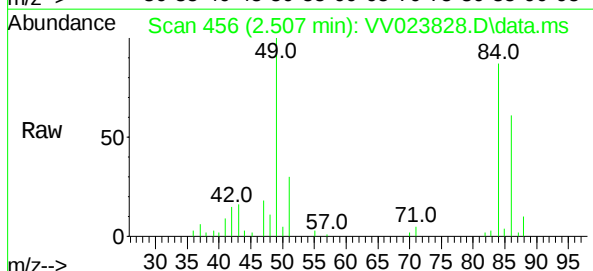
Tgt Ion: 84 Resp: 11222

Ion Ratio Lower Upper

84 100

86 70.3 42.6 79.0

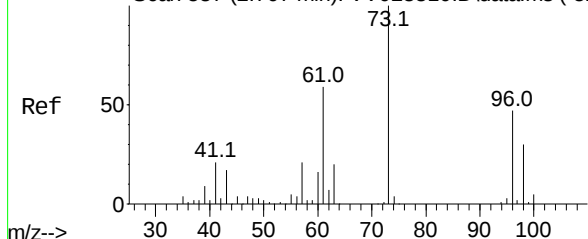
49 115.4 79.7 147.9



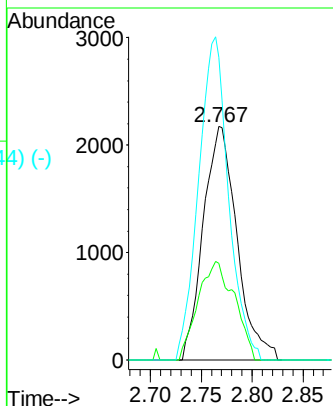
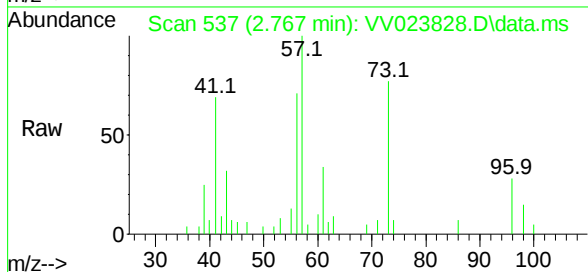
Abundance Scan 537 (2.767 min): VV023810.D\data.ms (-520) #17

Methyl tert-butyl Ether
Concen: 0.21 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

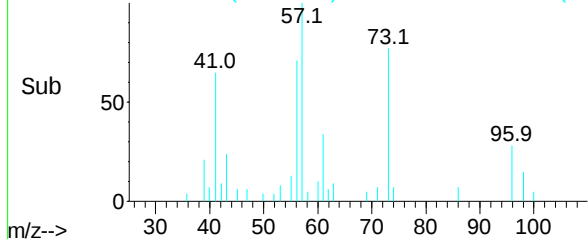
Instrument :
MSVOA_V
ClientSampleId :
C0G20DL



Tgt Ion:	73	Resp:	4993
Ion	Ratio	Lower	Upper
73	100		
43	45.6	15.5	23.3#
57	122.9	17.1	25.7#



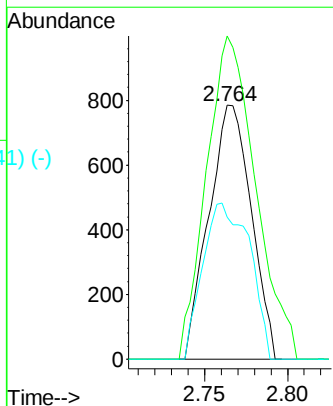
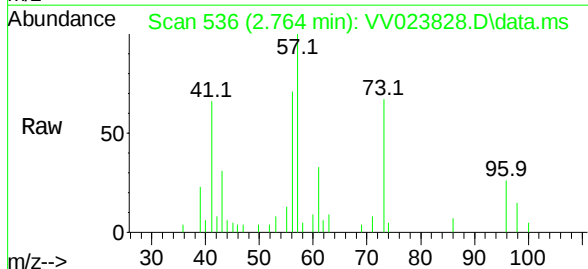
Abundance Scan 537 (2.767 min): VV023828.D\data.ms (-444) (-)



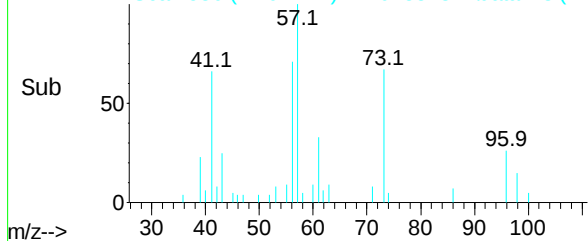
Abundance Scan 534 (2.757 min): VV023810.D\data.ms (-522) #18

trans-1,2-Dichloroethene
Concen: 0.10 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

Tgt Ion:	96	Resp:	1394
Ion	Ratio	Lower	Upper
96	100		
61	127.3	88.2	163.8
98	55.9	44.9	83.5



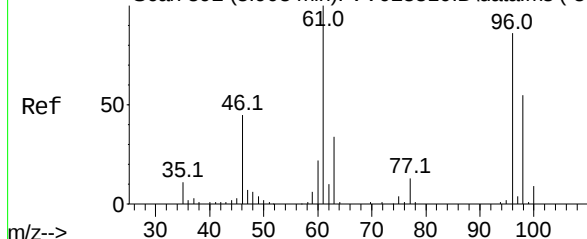
Abundance Scan 536 (2.764 min): VV023828.D\data.ms (-441) (-)



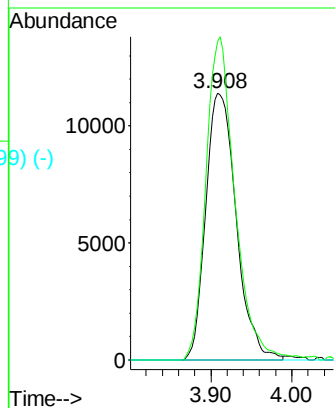
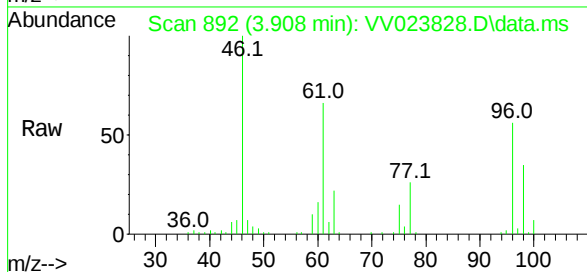
Abundance Scan 892 (3.908 min): VV023810.D\data.ms (-877) #22

cis-1,2-Dichloroethene
Concen: 2.34 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.000 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

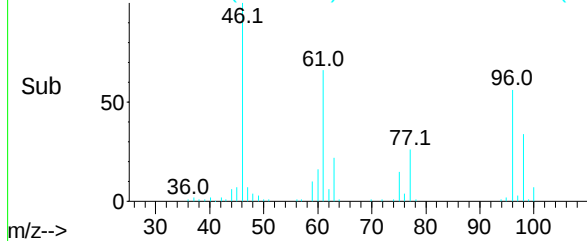
Instrument :
MSVOA_V
ClientSampleId :
C0G20DL



Tgt Ion:	96	Resp:	29839
Ion	Ratio	Lower	Upper
96	100		
61	119.2	83.4	154.8
68	0.0	0.0	0.0



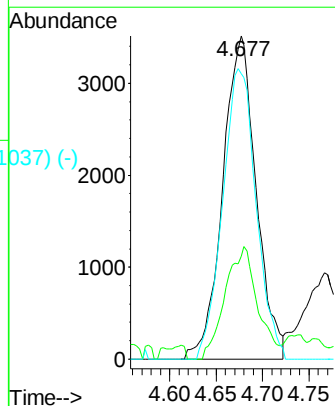
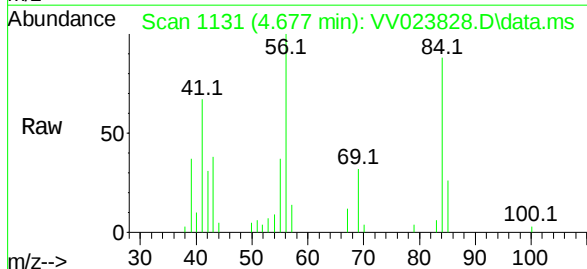
Abundance Scan 892 (3.908 min): VV023828.D\data.ms (-799) (-)



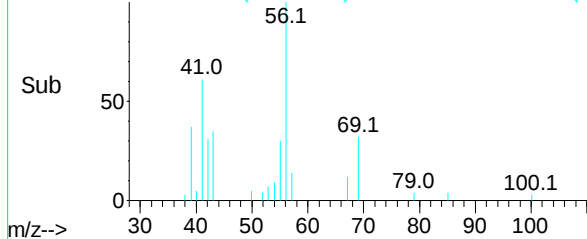
Abundance Scan 1130 (4.674 min): VV023810.D\data.ms (-1119) #90

Cyclohexane
Concen: 0.49 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

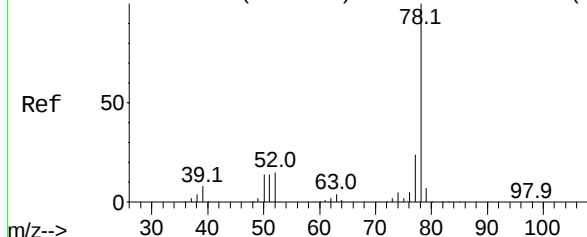
Tgt Ion:	56	Resp:	8817
Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.8	37.2
84	90.2	75.9	113.9



Abundance Scan 1131 (4.677 min): VV023828.D\data.ms (-1037) (-)



Abundance Scan 1261 (5.095 min): VV023810.D\data.ms (-1233)

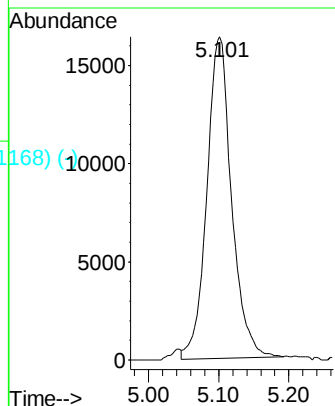
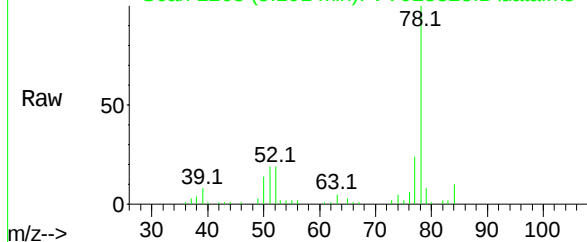


Benzene
Concen: 0.85 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

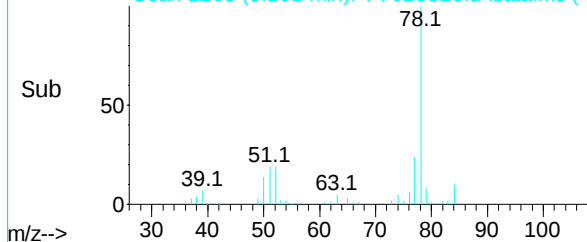
Instrument :
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Tgt Ion: 78 Resp: 40143

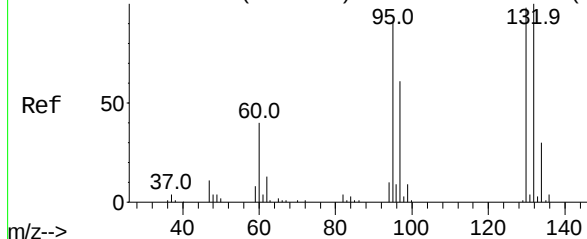
Abundance Scan 1263 (5.101 min): VV023828.D\data.ms



Abundance Scan 1263 (5.101 min): VV023828.D\data.ms (-1168)



Abundance Scan 1515 (5.911 min): VV023810.D\data.ms (-1509)

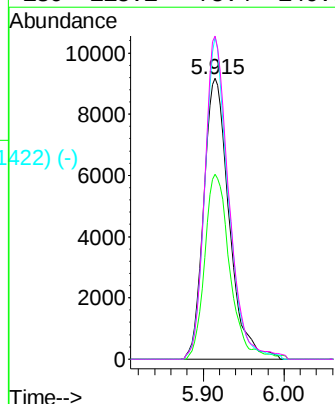
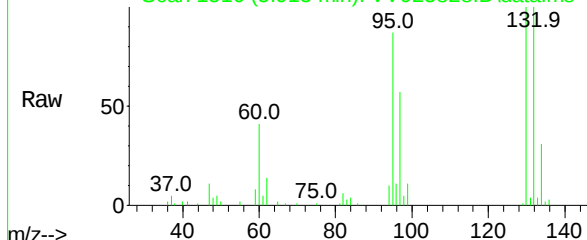


Trichloroethene
Concen: 1.59 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

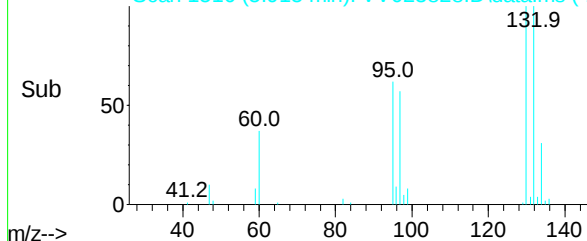
Tgt Ion: 95 Resp: 20042

Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.2	84.0
132	114.9	76.1	141.3
130	115.1	75.4	140.0

Abundance Scan 1516 (5.915 min): VV023828.D\data.ms



Abundance Scan 1516 (5.915 min): VV023828.D\data.ms (-1422)



Abundance Scan 1582 (6.127 min): VV023810.D\data.ms (-15705)

Methylcyclohexane

Concen: 0.36 ug/L

RT: 6.130 min Scan# 1582

Delta R.T. 0.003 min

Lab File: VV023828.D

Acq: 07 Dec 2021 17:20

Instrument :

MSVOA_V

Client SampleId :

C0G20DL

Tgt Ion: 83 Resp: 6982

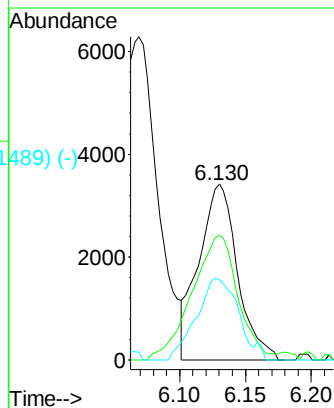
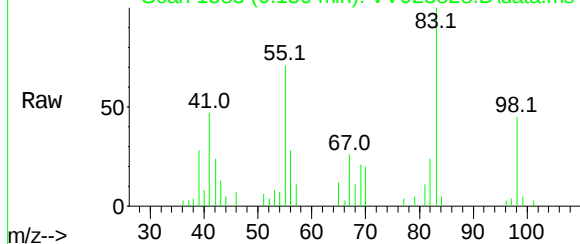
Ion Ratio Lower Upper

83 100

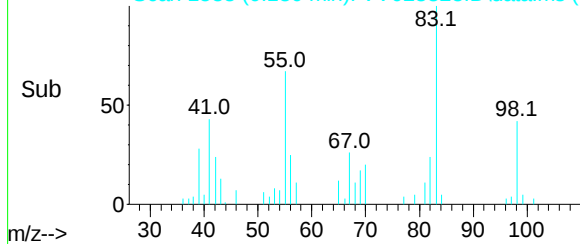
55 84.0 60.2 90.2

98 50.4 41.0 61.4

Abundance Scan 1583 (6.130 min): VV023828.D\data.ms



Abundance Scan 1583 (6.130 min): VV023828.D\data.ms (-1489) (-)



Abundance Scan 1973 (7.384 min): VV023810.D\data.ms (-19542)

Toluene

Concen: 0.26 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

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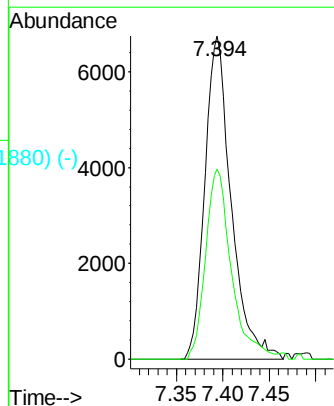
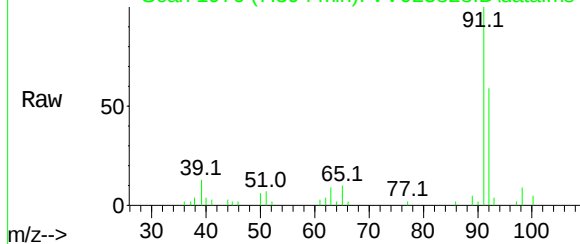
Tgt Ion: 91 Resp: 13272

Ion Ratio Lower Upper

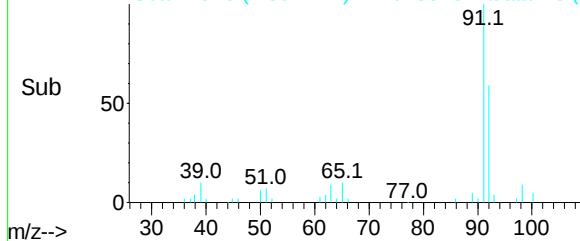
91 100

92 58.7 41.5 77.1

Abundance Scan 1976 (7.394 min): VV023828.D\data.ms



Abundance Scan 1976 (7.394 min): VV023828.D\data.ms (-1880) (-)



Abundance Scan 2156 (7.972 min): VV023810.D\data.ms (-2147-)

Tetrachloroethene

Concen: 5.37 ug/L

RT: 7.973 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV023828.D

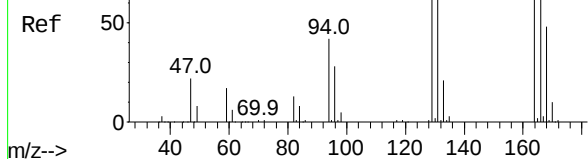
Acq: 07 Dec 2021 17:20

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Tgt Ion:164 Resp: 61510

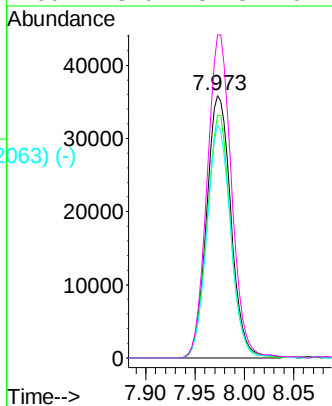
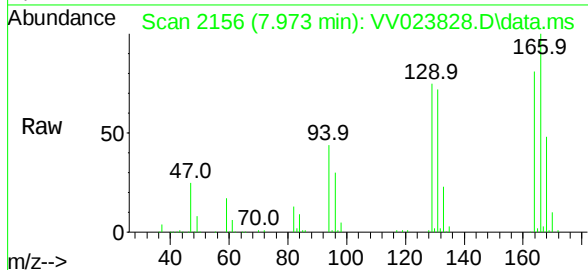
Ion Ratio Lower Upper

164 100

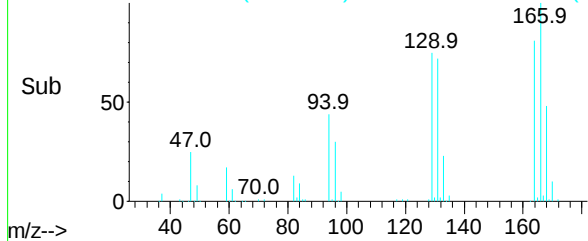
129 92.4 62.6 116.2

131 88.7 61.0 113.4

166 123.0 87.3 162.1



Abundance Scan 2156 (7.973 min): VV023828.D\data.ms (-2063-)



Abundance Scan 2479 (9.011 min): VV023810.D\data.ms (-2452-)

Ethylbenzene

Concen: 0.46 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV023828.D

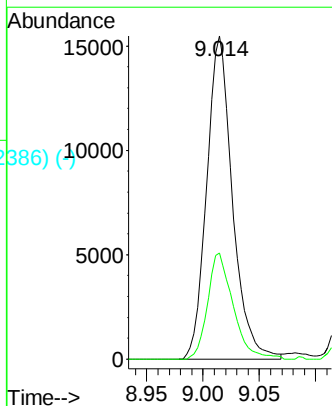
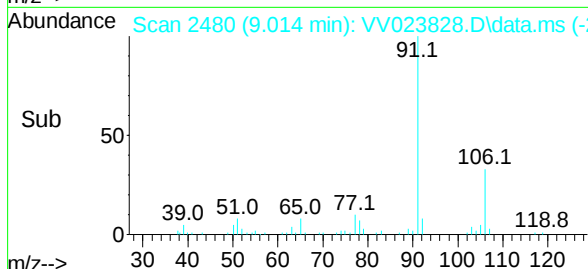
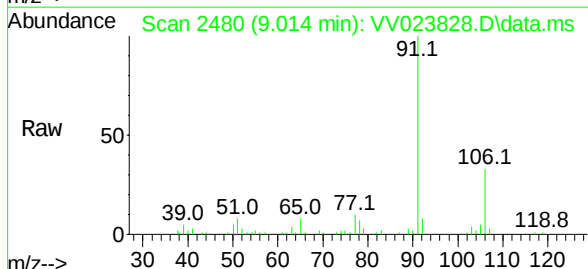
Acq: 07 Dec 2021 17:20

Tgt Ion: 91 Resp: 24527

Ion Ratio Lower Upper

91 100

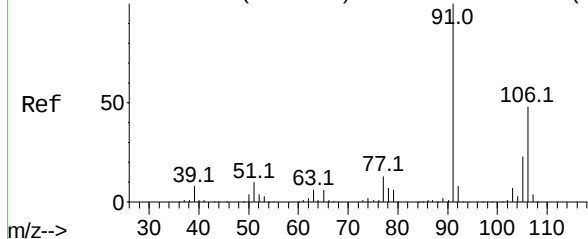
106 32.8 22.0 41.0



Abundance Scan 2480 (9.014 min): VV023828.D\data.ms (-2386-)

m/z-->

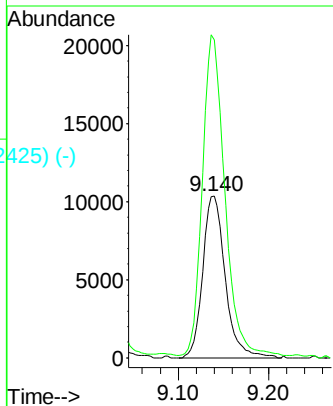
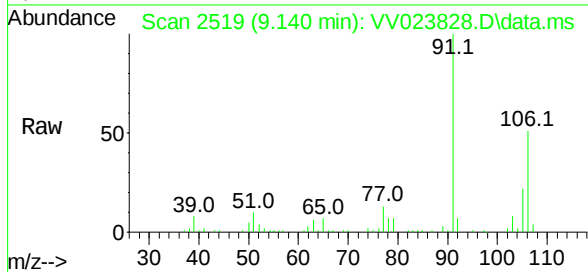
Abundance Scan 2518 (9.136 min): VV023810.D\data.ms (-25053-)



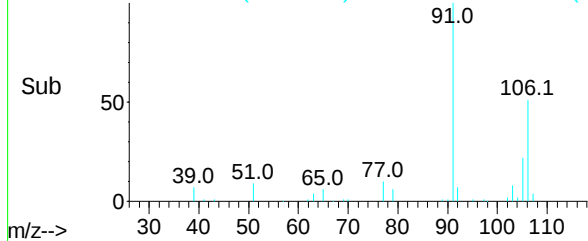
m,p-xylene
Concen: 0.85 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

Instrument :
MSVOA_V
ClientSampleId :
C0G20DL

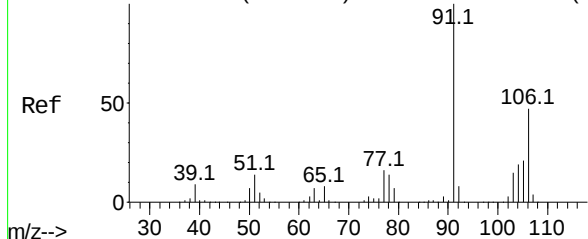
Tgt Ion:106 Resp: 18003
Ion Ratio Lower Upper
106 100
91 196.3 139.5 259.1



Abundance Scan 2519 (9.140 min): VV023828.D\data.ms (-2425-)

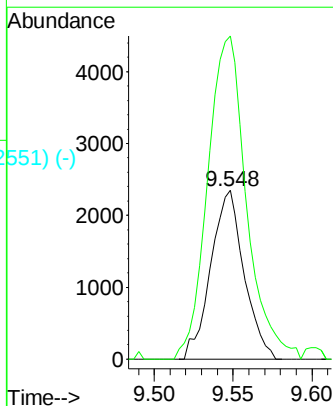
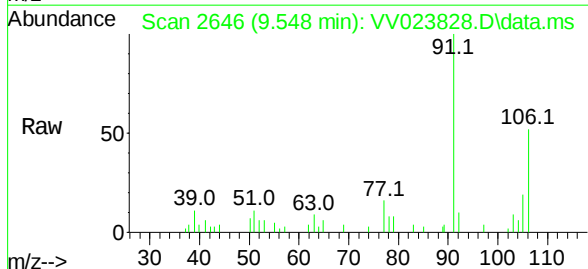


Abundance Scan 2644 (9.542 min): VV023810.D\data.ms (-26354-)

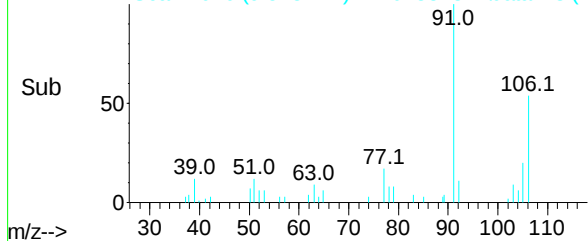


o-xylene
Concen: 0.17 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

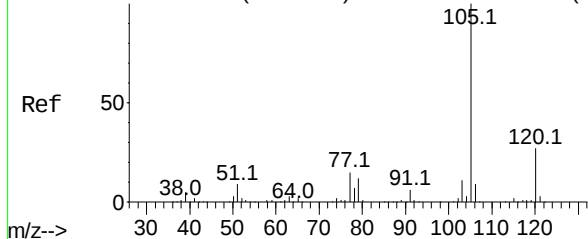
Tgt Ion:106 Resp: 3448
Ion Ratio Lower Upper
106 100
91 191.5 147.9 274.7



Abundance Scan 2646 (9.548 min): VV023828.D\data.ms (-2551-)



Abundance Scan 2764 (9.927 min): VV023810.D\data.ms (-2764) (-)



Isopropylbenzene

Concen: 0.13 ug/L

RT: 9.934 min Scan# 2764

Delta R.T. 0.003 min

Lab File: VV023828.D

Acq: 07 Dec 2021 17:20

Instrument :

MSVOA_V

ClientSampleId :

C0G20DL

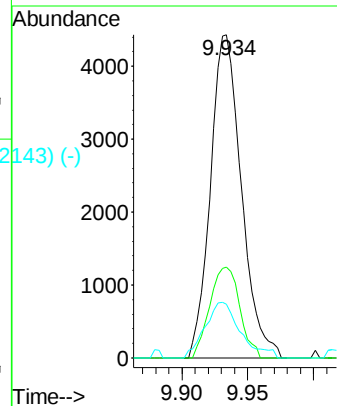
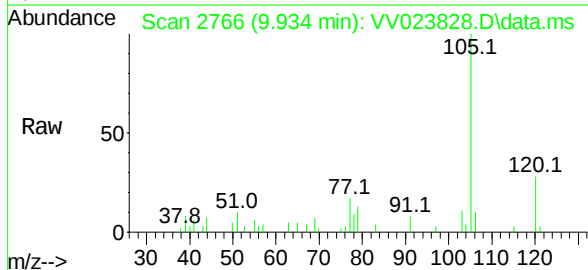
Tgt Ion:105 Resp: 7214

Ion Ratio Lower Upper

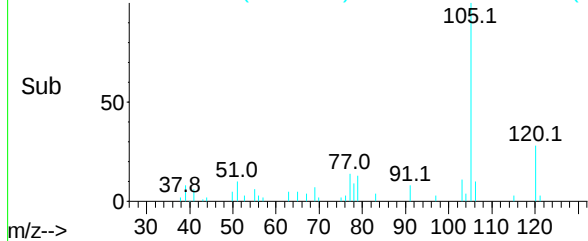
105 100

120 27.2 21.4 32.0

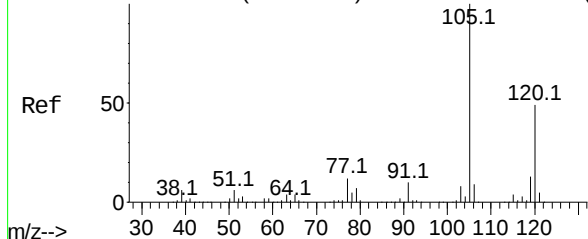
77 19.6 12.2 18.4#



Abundance Scan 2766 (9.934 min): VV023828.D\data.ms (-2143) (-)



Abundance Scan 2954 (10.538 min): VV023810.D\data.ms (-2954) (-)



1,3,5-Trimethylbenzene

Concen: 0.60 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023828.D

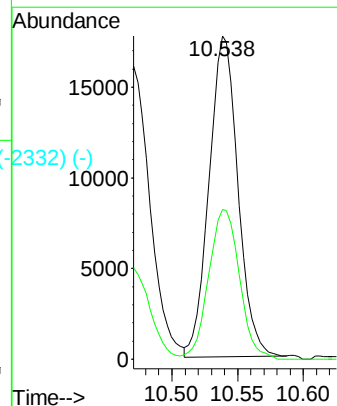
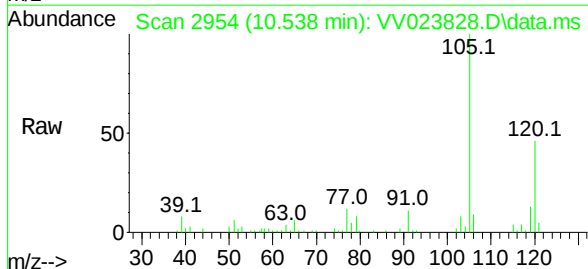
Acq: 07 Dec 2021 17:20

Tgt Ion:105 Resp: 26929

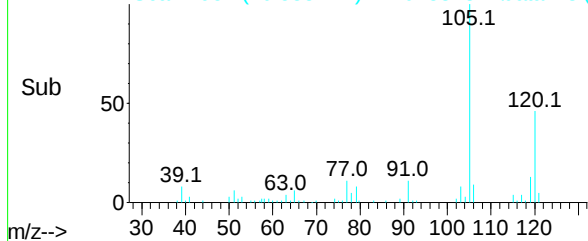
Ion Ratio Lower Upper

105 100

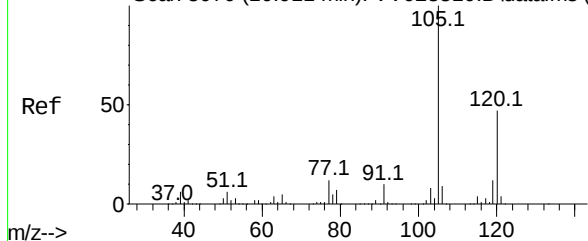
120 49.9 40.1 60.1



Abundance Scan 2954 (10.538 min): VV023828.D\data.ms (-2332) (-)



Abundance Scan 3070 (10.911 min): VV023810.D\data.ms (-3059) (-)

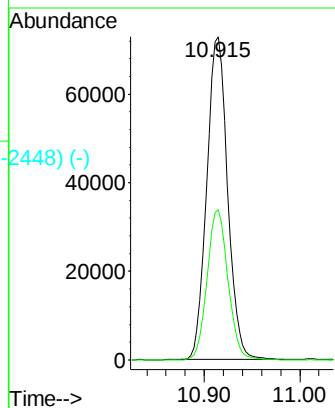
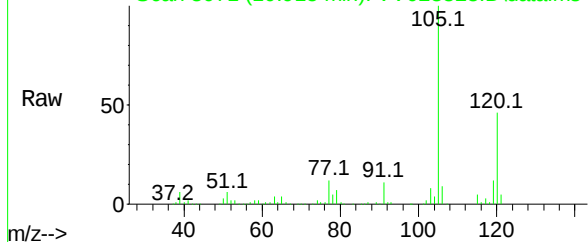


1,2,4-Trimethylbenzene
Concen: 2.48 ug/L
RT: 10.915 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV023828.D
Acq: 07 Dec 2021 17:20

Instrument :
MSVOA_V
ClientSampleId :
C0G20DL

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.7	55.1

Abundance Scan 3071 (10.915 min): VV023828.D\data.ms



Abundance Scan 3071 (10.915 min): VV023828.D\data.ms (-2448) (-)

