

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021900.D
 Acq On : 11 May 2021 15:35
 Operator : JC/MD
 Sample : M2337-03
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 12 03:41:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 12 03:37:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	78830	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	71559	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	33403	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	32054	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.672	69	26346	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.306	63	38916	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.471	46	79424	51.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.98%
24) Chloroform-d	5.068	84	54373	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.970	65	28867	4.83	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.983	84	114412	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	7.312	67	35827	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	8.653	98	103844	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloroprop...	8.958	79	15132	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	9.384	63	70256	50.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.66%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	27818	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
66) 1,2-Dichlorobenzene-d4	12.323	152	34889	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	4080	0.56	ug/L #	41
5) Vinyl chloride	1.374	62	34020	4.39	ug/L #	1
8) Chloroethane	1.843	64	2731	0.59	ug/L #	53
12) 1,1-Dichloroethene	2.313	96	909	0.16	ug/L #	1
17) Methyl tert-butyl Ether	3.123	73	1579	0.11	ug/L #	67
18) trans-1,2-Dichloroethene	3.093	96	1035	0.17	ug/L #	78
19) 1,1-Dichloroethane	3.617	63	10341	0.98	ug/L	94
22) cis-1,2-Dichloroethene	4.495	96	202339	30.56	ug/L	95
27) 1,2-Dichloroethane	6.098	62	1668	0.26	ug/L #	87
33) Benzene	6.050	78	42520	1.72	ug/L	100
34) Trichloroethene	7.141	95	992	0.15	ug/L	89
35) Methylcyclohexane	7.318	83	8690	0.79	ug/L #	19
39) cis-1,3-Dichloropropene	8.336	75	1248	0.13	ug/L #	80
42) Toluene	8.720	91	2091	0.08	ug/L	99
44) trans-1,3-Dichloropropene	8.952	75	767	0.10	ug/L #	78
60) Isopropylbenzene	10.305	105	461	0.02	ug/L #	30
61) 1,2,3-Trichloropropane	12.024	75	4747	1.37	ug/L #	63
62) 1,3,5-Trimethylbenzene	11.451	105	151	0.01	ug/L	96
63) 1,2,4-Trimethylbenzene	11.451	105	151	0.01	ug/L	92

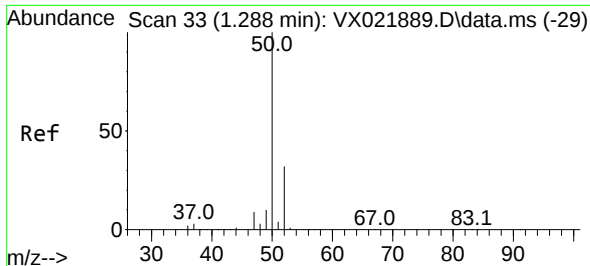
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
Data File : VX021900.D
Acq On : 11 May 2021 15:35
Operator : JC/MD
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 12 03:37:54 2021
Response via : Initial Calibration

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

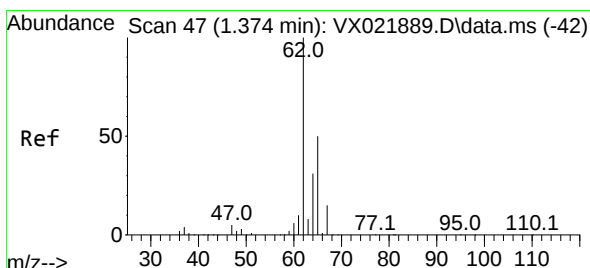
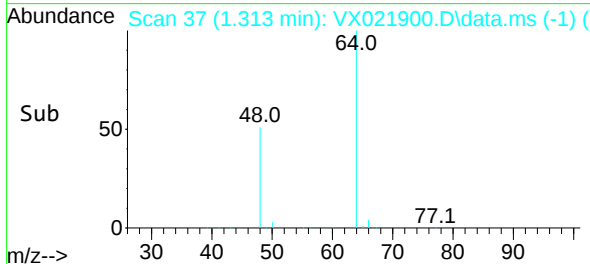
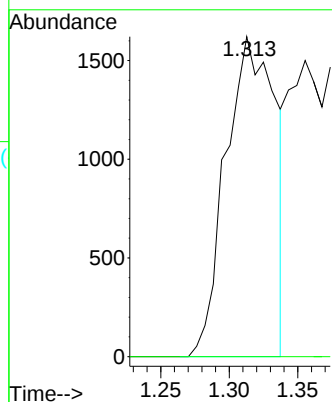
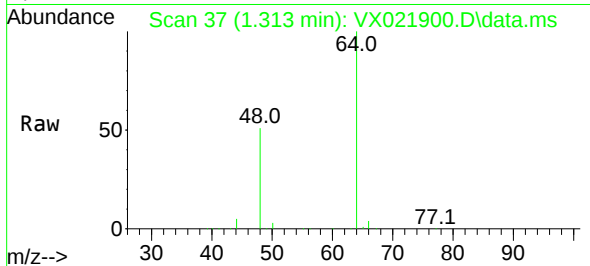
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.56 ug/L
RT: 1.313 min Scan# 37
Delta R.T. 0.024 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

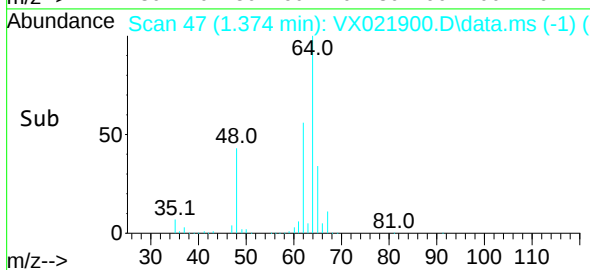
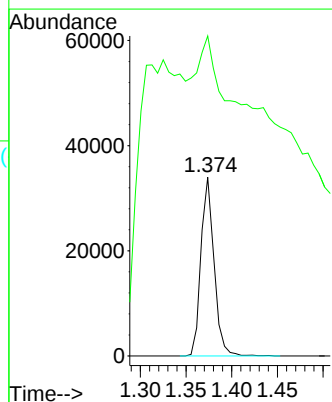
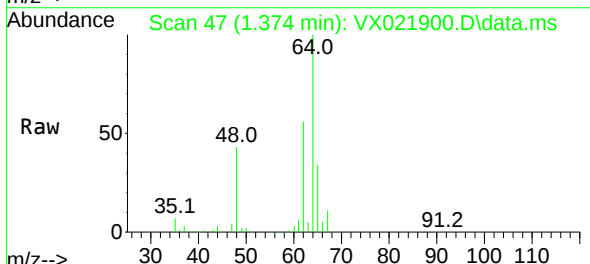
Instrument :
MSVOA_X
ClientSampled :

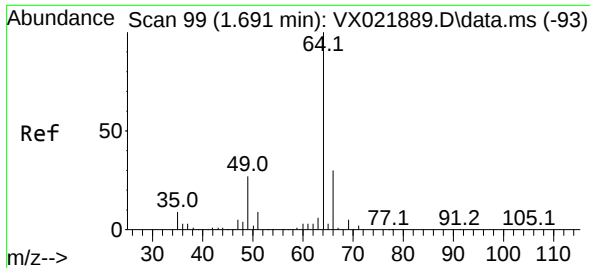
Tgt Ion: 50 Resp: 4080
Ion Ratio Lower Upper
50 100
52 0.0 23.3 43.3#



#5
Vinyl chloride
Concen: 4.39 ug/L
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Tgt Ion: 62 Resp: 34020
Ion Ratio Lower Upper
62 100
64 179.0 22.7 42.1#

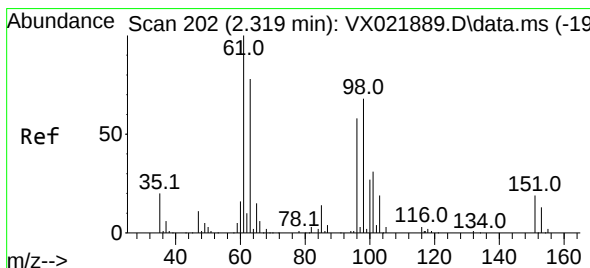
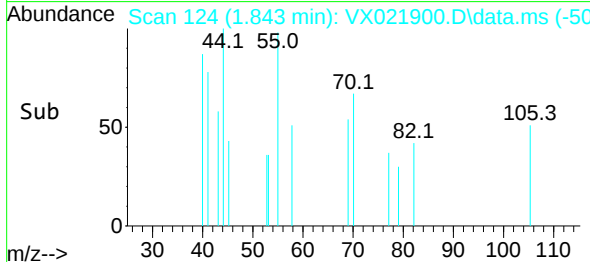
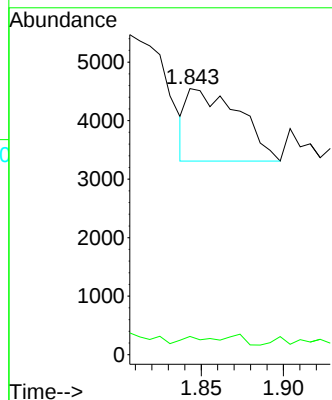
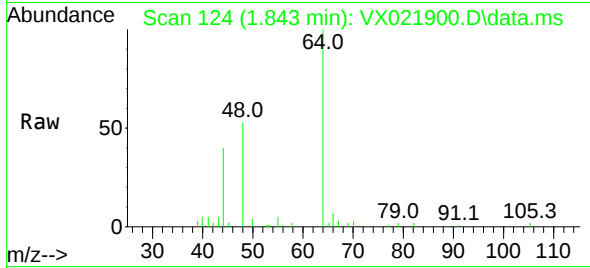




#8
Chloroethane
Concen: 0.59 ug/L
RT: 1.843 min Scan# 124
Delta R.T. 0.152 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

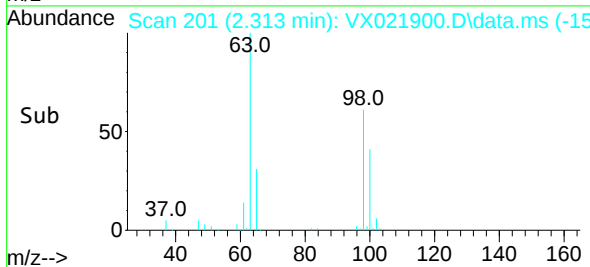
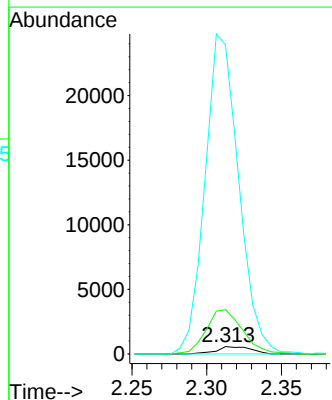
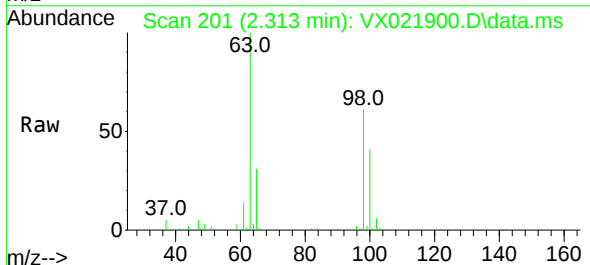
Instrument :
MSVOA_X
ClientSampled :

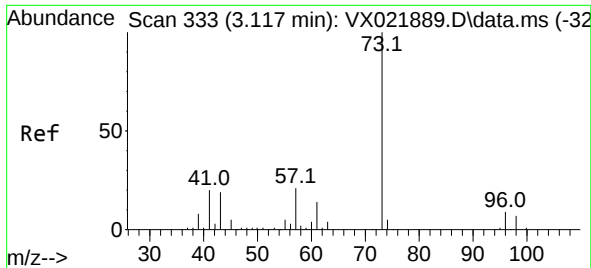
Tgt Ion: 64 Resp: 2731
Ion Ratio Lower Upper
64 100
66 6.9 23.6 43.8#



#12
1,1-Dichloroethene
Concen: 0.16 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

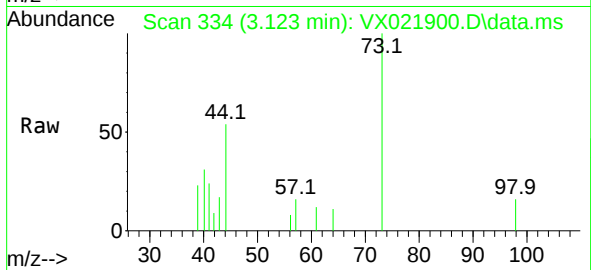
Tgt Ion: 96 Resp: 909
Ion Ratio Lower Upper
96 100
61 598.4 106.3 197.3#
63 4165.9 65.0 120.8#



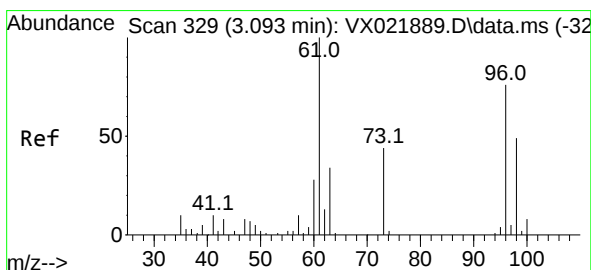
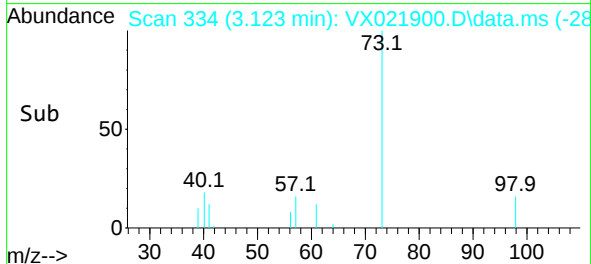
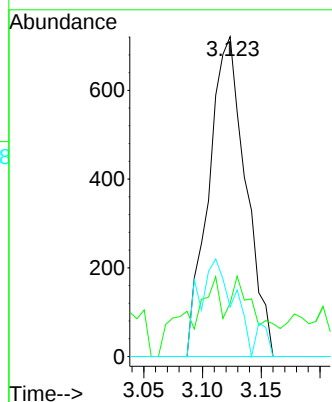


#17
Methyl tert-butyl Ether
Concen: 0.11 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

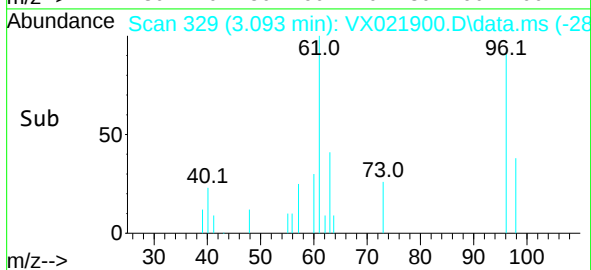
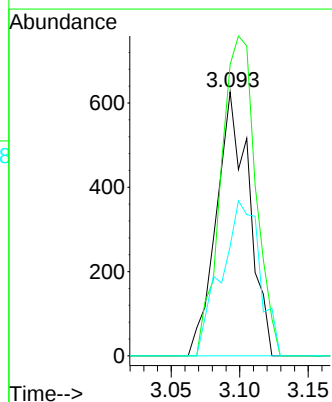
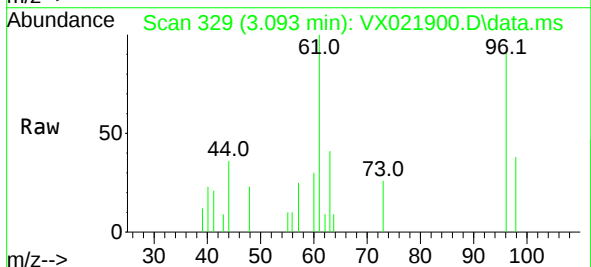


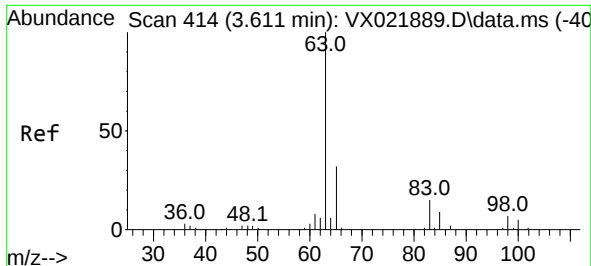
Tgt Ion: 73 Resp: 1579
Ion Ratio Lower Upper
73 100
43 8.3 16.5 24.7#
57 3.3 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.17 ug/L
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Tgt Ion: 96 Resp: 1035
Ion Ratio Lower Upper
96 100
61 110.4 93.0 172.8
98 41.5 44.8 83.2#





#19

1,1-Dichloroethane

Concen: 0.98 ug/L

RT: 3.617 min Scan# 415

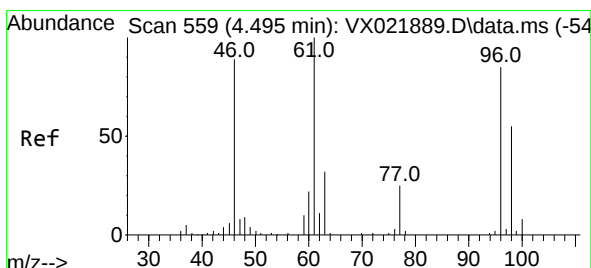
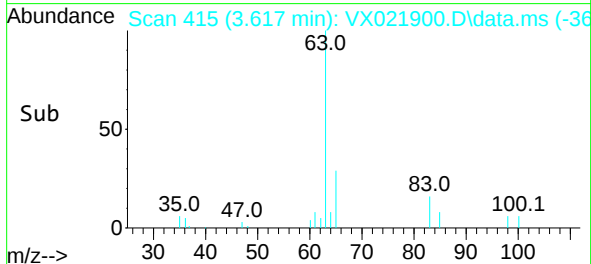
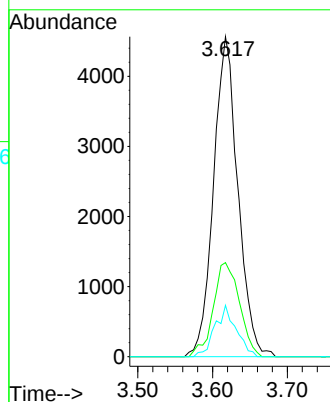
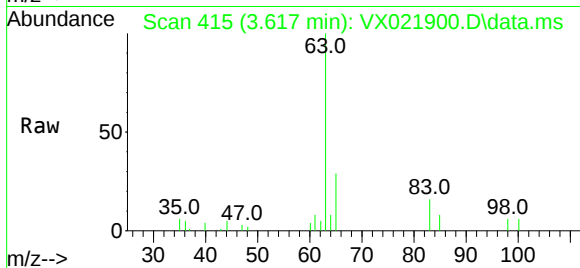
Delta R.T. 0.006 min

Lab File: VX021900.D

Acq: 11 May 2021 15:35

Tgt Ion: 63 Resp: 10341

Ion	Ratio	Lower	Upper
63	100		
65	29.4	22.5	41.9
83	16.0	8.7	16.1



#22

cis-1,2-Dichloroethene

Concen: 30.56 ug/L

RT: 4.495 min Scan# 559

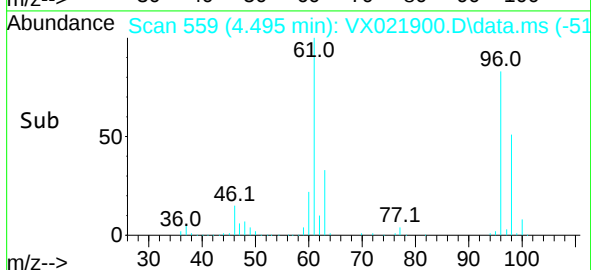
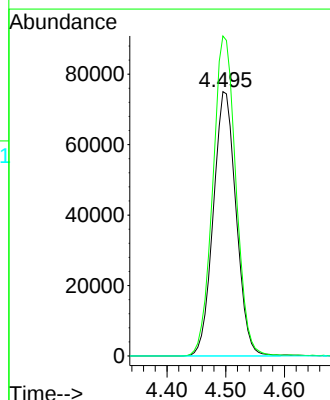
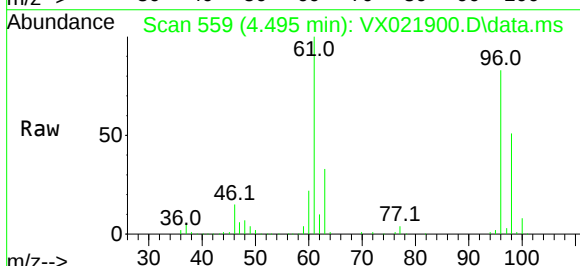
Delta R.T. 0.000 min

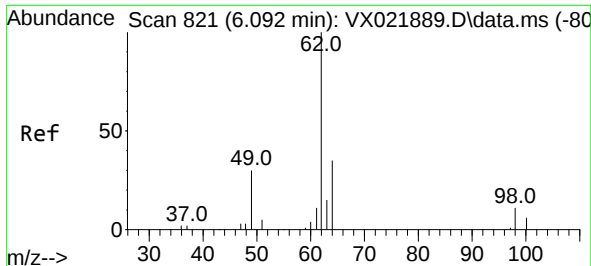
Lab File: VX021900.D

Acq: 11 May 2021 15:35

Tgt Ion: 96 Resp: 202339

Ion	Ratio	Lower	Upper
96	100		
61	121.1	80.9	150.3
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 0.26 ug/L

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX021900.D

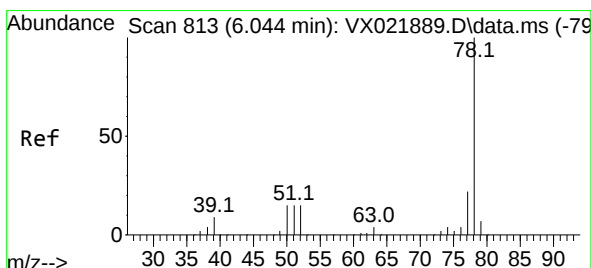
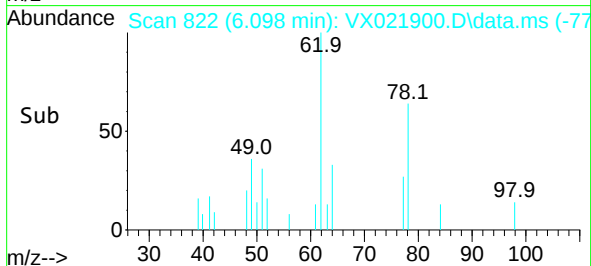
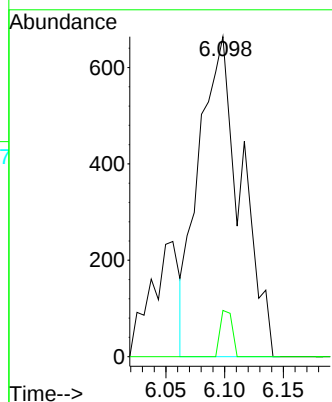
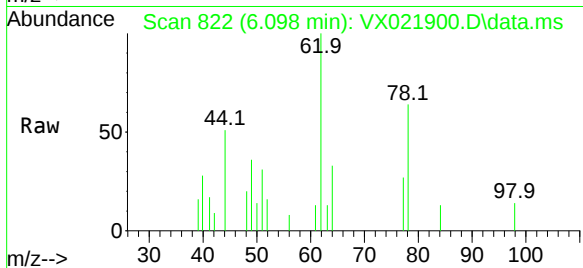
Acq: 11 May 2021 15:35

Tgt Ion: 62 Resp: 1668

Ion Ratio Lower Upper

62 100

98 14.5 7.8 11.6#



#33

Benzene

Concen: 1.72 ug/L

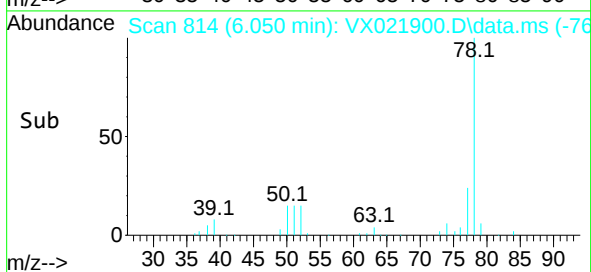
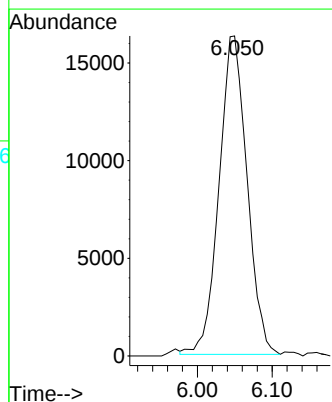
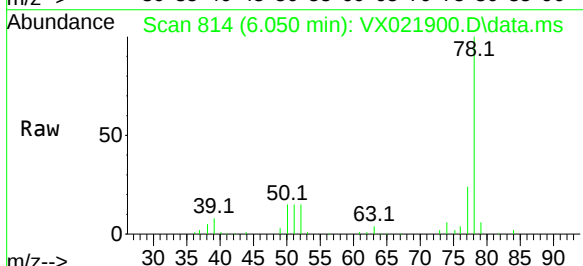
RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

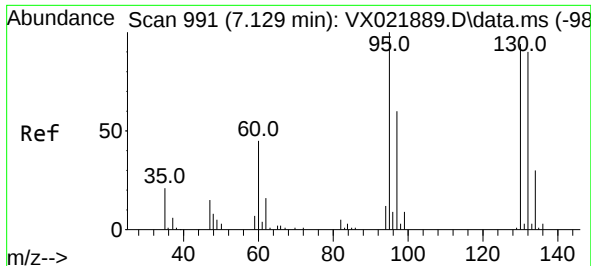
Lab File: VX021900.D

Acq: 11 May 2021 15:35

Tgt Ion: 78 Resp: 42520



Instrument :
MSVOA_X
ClientSampleId :

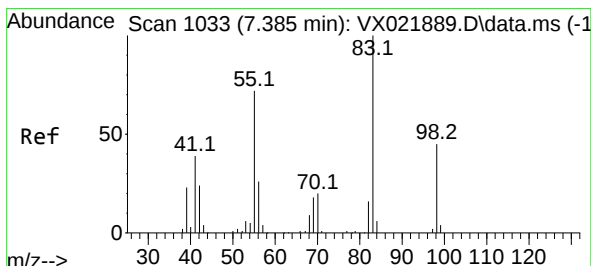
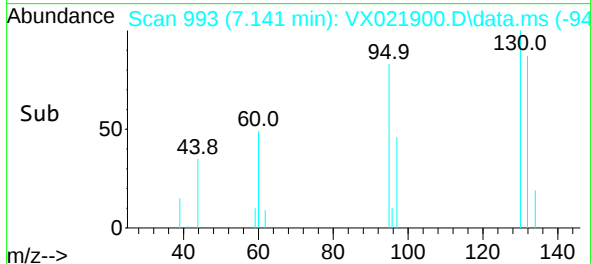
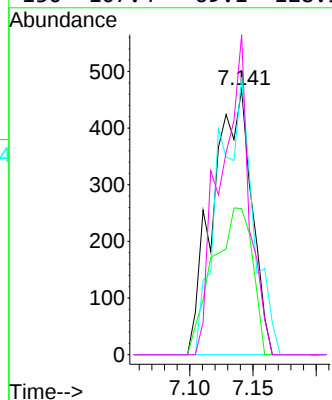
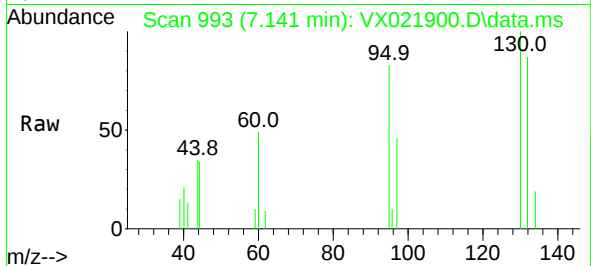


#34
Trichloroethene
Concen: 0.15 ug/L
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 95 Resp: 992

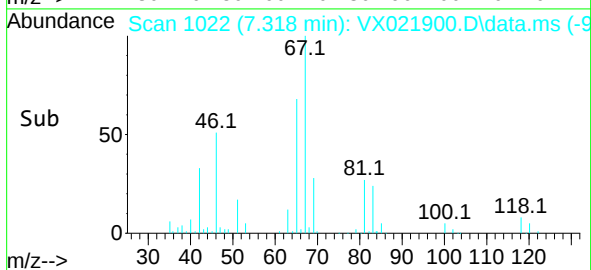
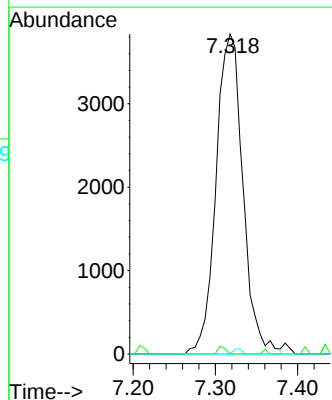
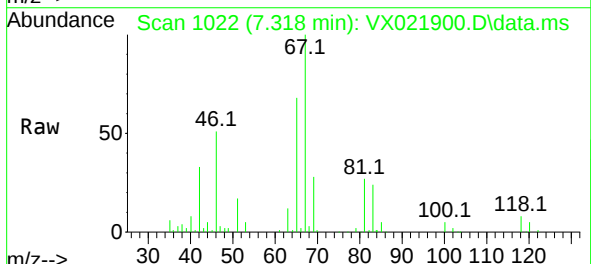
Ion	Ratio	Lower	Upper
95	100		
97	49.0	48.6	90.2
132	93.2	67.3	125.1
130	107.4	69.1	128.3

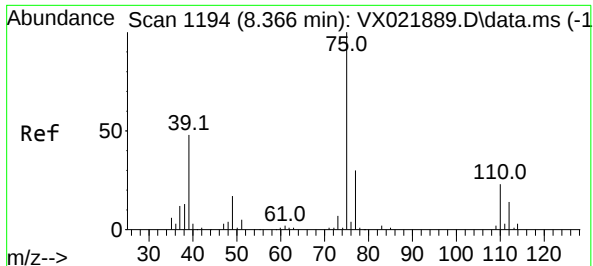


#35
Methylcyclohexane
Concen: 0.79 ug/L
RT: 7.318 min Scan# 1022
Delta R.T. -0.067 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Tgt Ion: 83 Resp: 8690

Ion	Ratio	Lower	Upper
83	100		
55	0.7	60.3	90.5#
98	0.5	39.4	59.2#

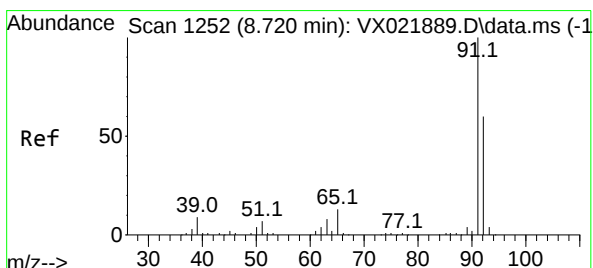
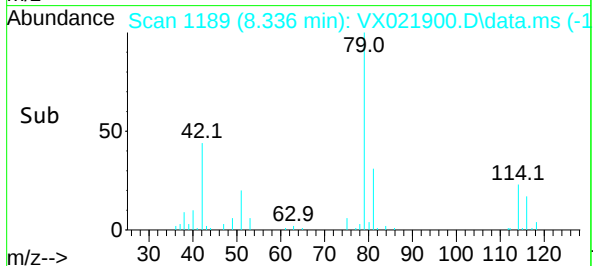
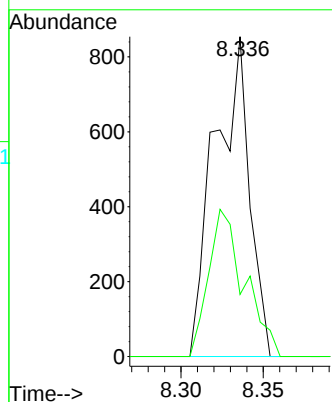
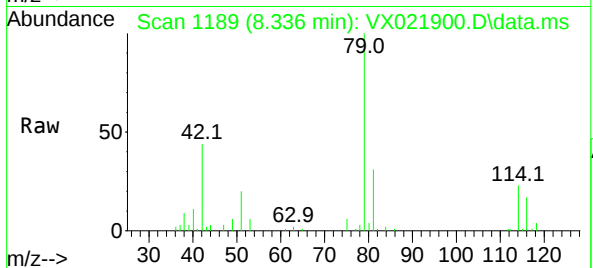




#39
 cis-1,3-Dichloropropene
 Concen: 0.13 ug/L
 RT: 8.336 min Scan# 1189
 Delta R.T. -0.030 min
 Lab File: VX021900.D
 Acq: 11 May 2021 15:35

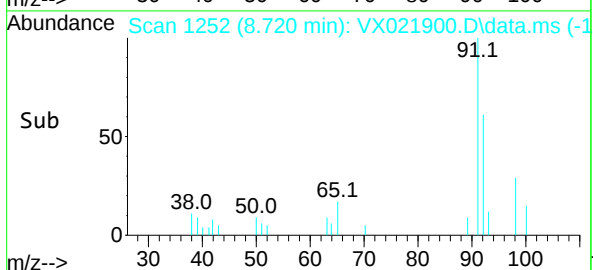
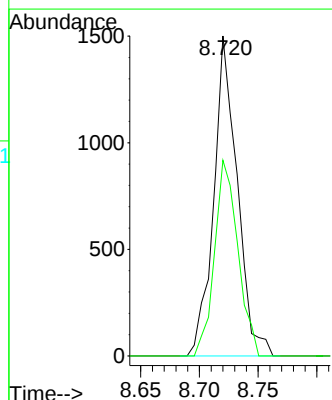
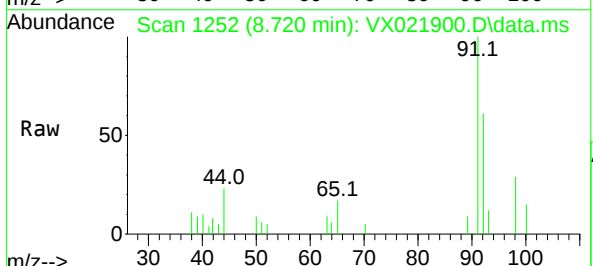
Instrument :
 MSVOA_X
 ClientSampled :

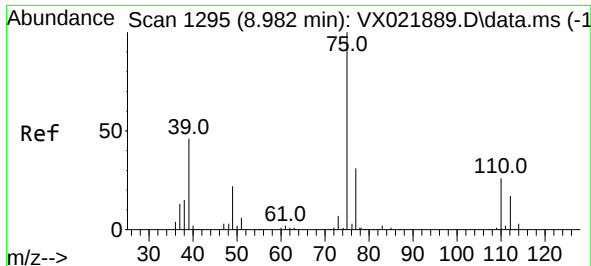
Tgt Ion: 75 Resp: 1248
 Ion Ratio Lower Upper
 75 100
 77 19.4 21.3 39.5#



#42
 Toluene
 Concen: 0.08 ug/L
 RT: 8.720 min Scan# 1252
 Delta R.T. 0.000 min
 Lab File: VX021900.D
 Acq: 11 May 2021 15:35

Tgt Ion: 91 Resp: 2091
 Ion Ratio Lower Upper
 91 100
 92 61.2 42.1 78.3

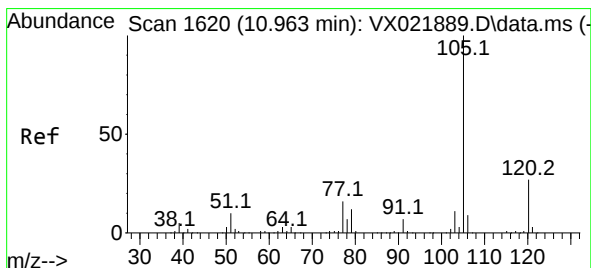
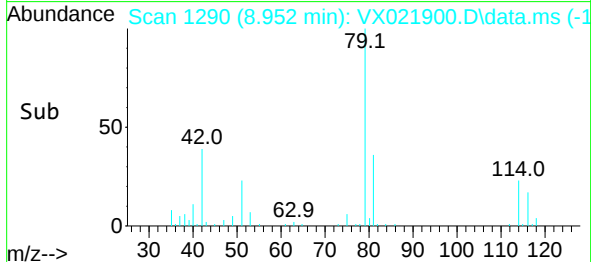
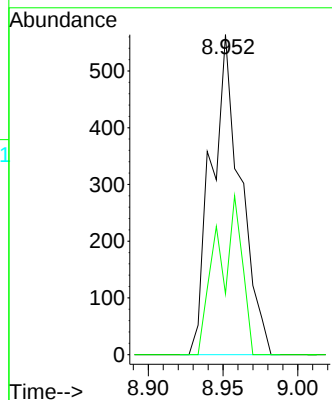
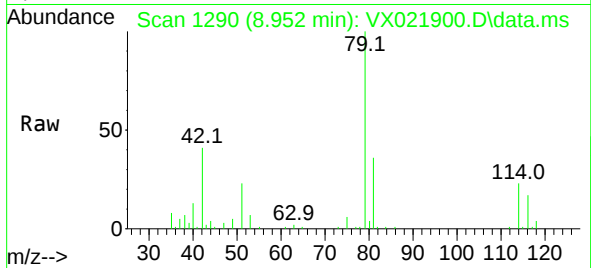




#44
trans-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

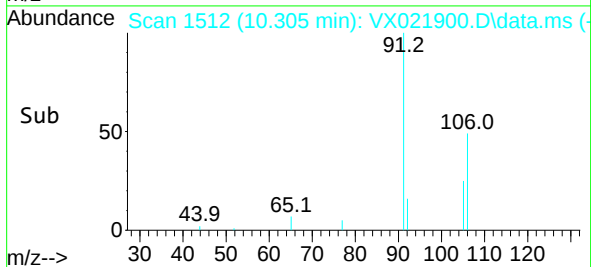
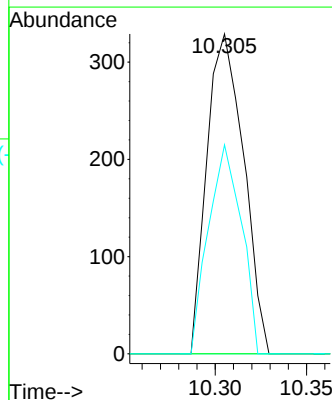
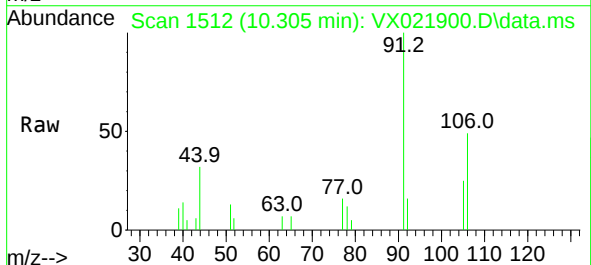
Instrument :
MSVOA_X
ClientSampled :

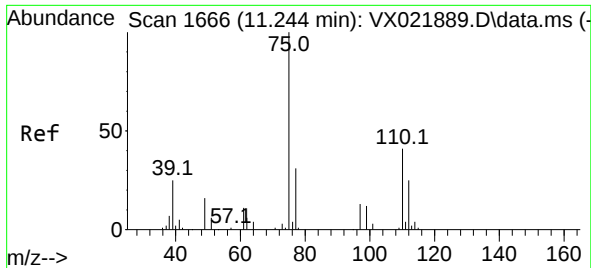
Tgt Ion: 75 Resp: 767
Ion Ratio Lower Upper
75 100
77 19.0 21.6 40.0#



#60
Isopropylbenzene
Concen: 0.02 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.658 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Tgt Ion: 105 Resp: 461
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.6#
77 58.6 12.4 18.6#

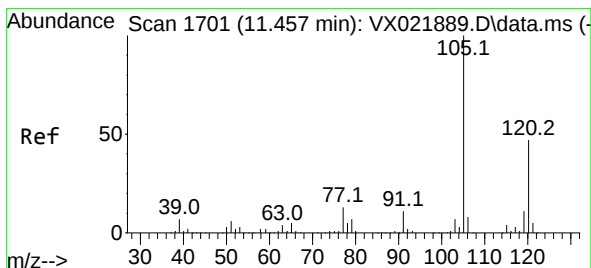
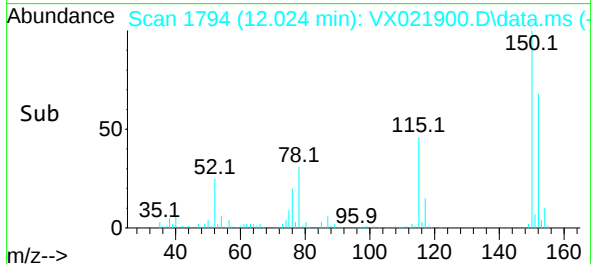
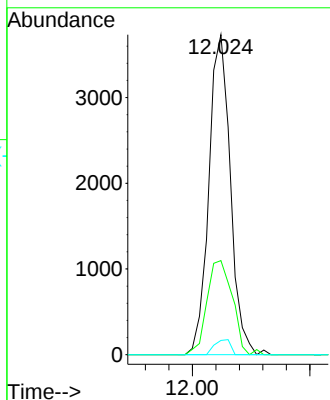
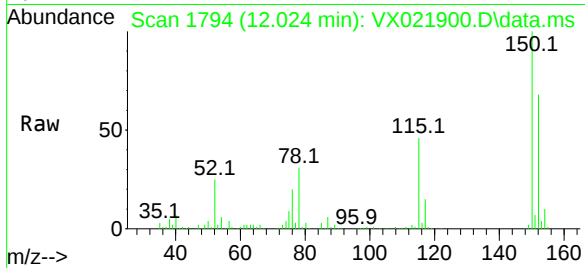




#61
1,2,3-Trichloropropane
Concen: 1.37 ug/L
RT: 12.024 min Scan# 1794
Delta R.T. 0.780 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

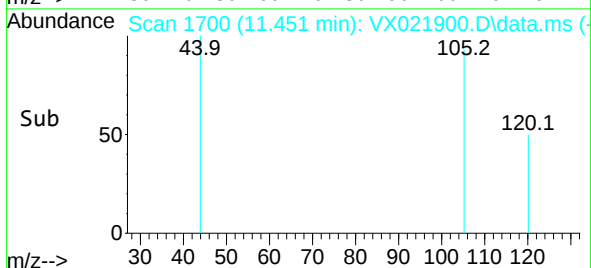
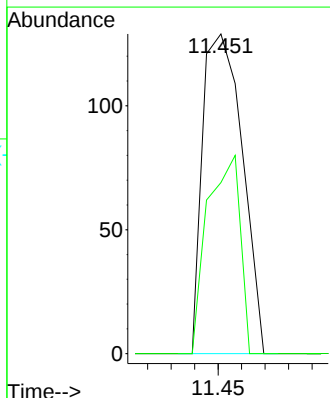
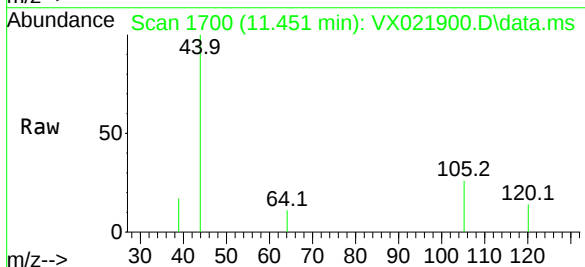
Instrument :
MSVOA_X
ClientSampled :

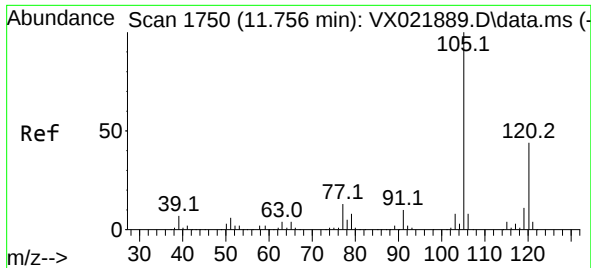
Tgt Ion: 75 Resp: 4747
Ion Ratio Lower Upper
75 100
77 35.0 24.6 37.0
110 3.5 32.3 48.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.01 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX021900.D
Acq: 11 May 2021 15:35

Tgt Ion: 105 Resp: 151
Ion Ratio Lower Upper
105 100
120 51.0 38.4 57.6





#63
 1,2,4-Trimethylbenzene
 Concen: 0.01 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.305 min
 Lab File: VX021900.D
 Acq: 11 May 2021 15:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 151
 Ion Ratio Lower Upper
 105 100
 120 51.0 36.4 54.6

