

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021901.D
 Acq On : 11 May 2021 15:58
 Operator : JC/MD
 Sample : M2337-04
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 12 03:41:28 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	79581	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	70204	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	31477	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	47231	6.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	138.20%#
7) Chloroethane-d5	1.672	69	26076	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.306	63	38624	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.471	46	81243	52.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	5.068	84	54113	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.964	65	29136	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.983	84	114686	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	7.312	67	34915	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	8.653	98	102425	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloroprop...	8.952	79	14999	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	9.384	63	69219	50.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.08%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	26330	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
66) 1,2-Dichlorobenzene-d4	12.323	152	33989	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%
Target Compounds						
					Qvalue	
3) Chloromethane	1.374	50	16350	2.24	ug/L #	41
5) Vinyl chloride	1.374	62	2099417	268.29	ug/L	97
8) Chloroethane	1.691	64	1627	0.35	ug/L #	64
12) 1,1-Dichloroethene	2.312	96	611	0.11	ug/L #	1
13) Acetone	2.404	43	1652	2.07	ug/L	89
14) Carbon disulfide	2.514	76	4196	0.23	ug/L #	94
15) Methyl Acetate	2.733	43	350	0.14	ug/L #	52
17) Methyl tert-butyl Ether	3.117	73	2119	0.15	ug/L #	77
19) 1,1-Dichloroethane	3.617	63	12135	1.14	ug/L #	94
22) cis-1,2-Dichloroethene	4.495	96	21539	3.22	ug/L	100
27) 1,2-Dichloroethane	6.050	62	3313	0.51	ug/L #	74
30) Cyclohexane	5.477	56	3408	0.33	ug/L	95
33) Benzene	6.044	78	401824	16.58	ug/L	100
35) Methylcyclohexane	7.318	83	8658	0.80	ug/L #	19
37) 1,2-Dichloropropane	7.312	63	4241	0.72	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	1159	0.13	ug/L	94
42) Toluene	8.726	91	6381	0.25	ug/L	89
44) trans-1,3-Dichloropropene	8.952	75	735	0.10	ug/L	83
48) 2-Hexanone	9.384	43	7677	3.00	ug/L #	67

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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

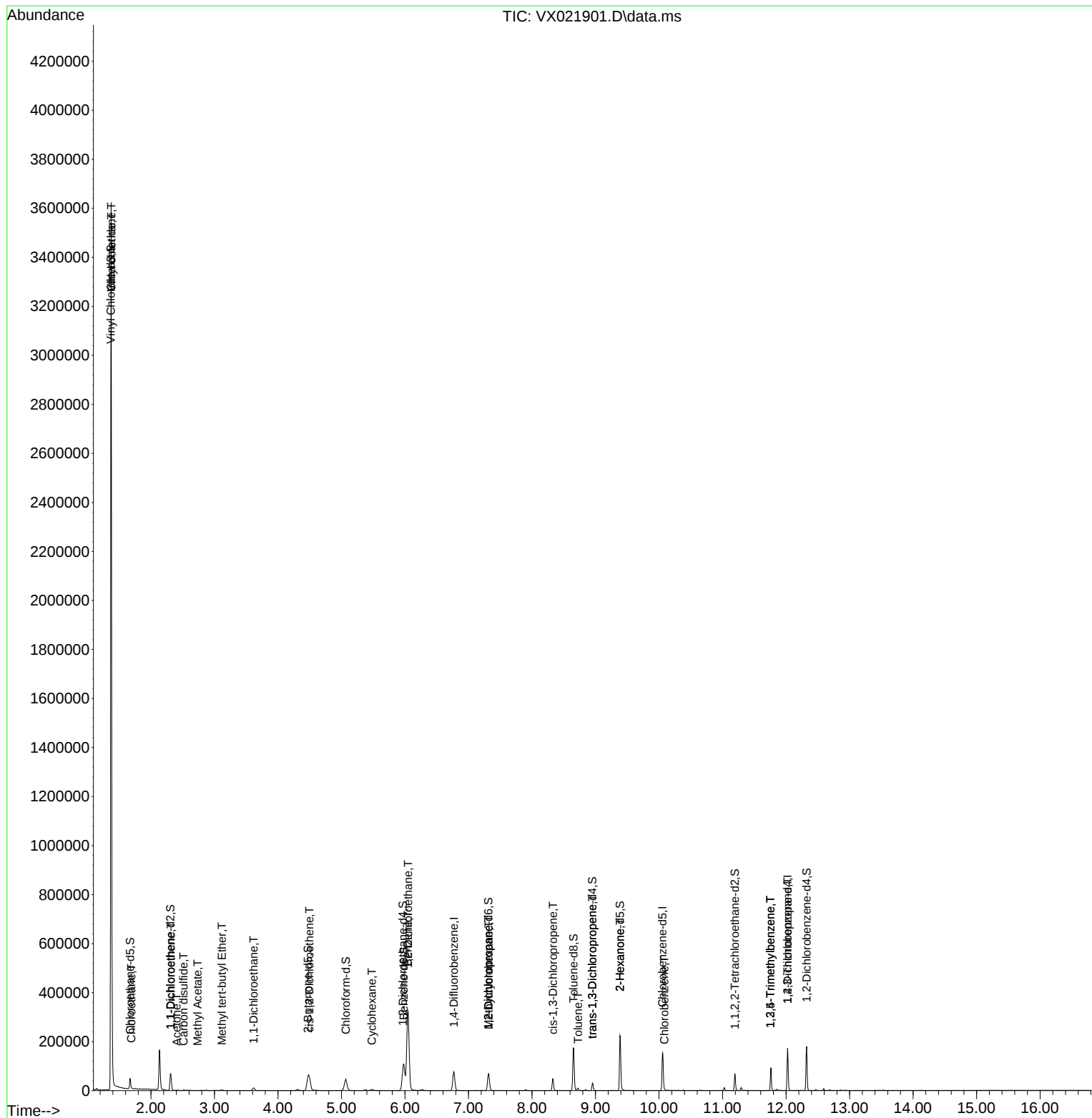
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	10.085	112	1715	0.11	ug/L	92
61) 1,2,3-Trichloropropane	12.024	75	4458	1.37	ug/L #	61
62) 1,3,5-Trimethylbenzene	11.756	105	405	0.02	ug/L	92
63) 1,2,4-Trimethylbenzene	11.756	105	405	0.02	ug/L	88

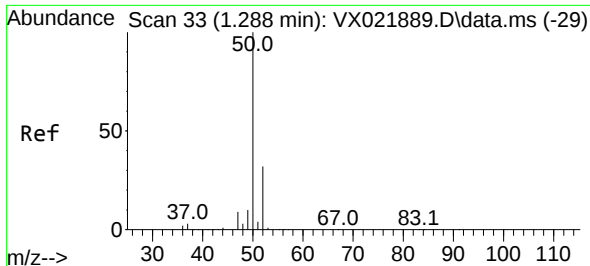
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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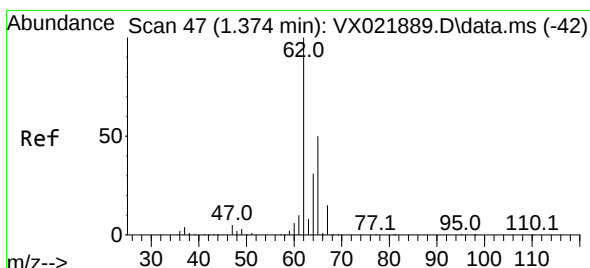
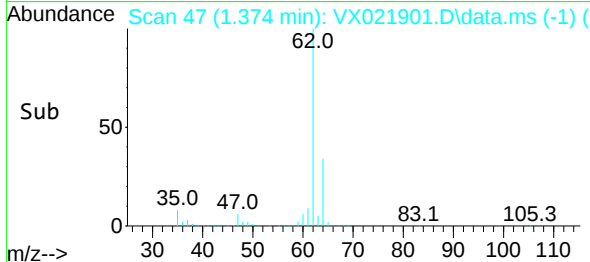
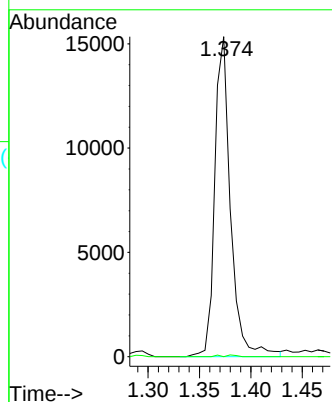
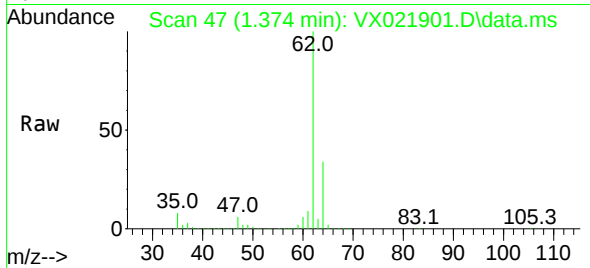




#3
Chloromethane
Concen: 2.24 ug/L
RT: 1.374 min Scan# 47
Delta R.T. 0.085 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

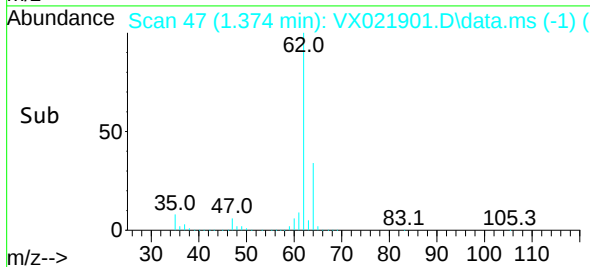
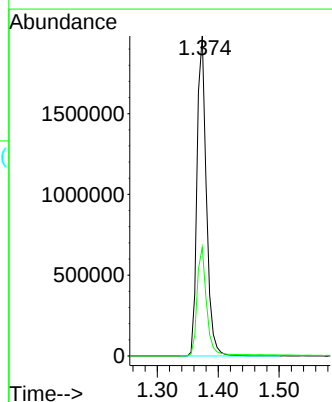
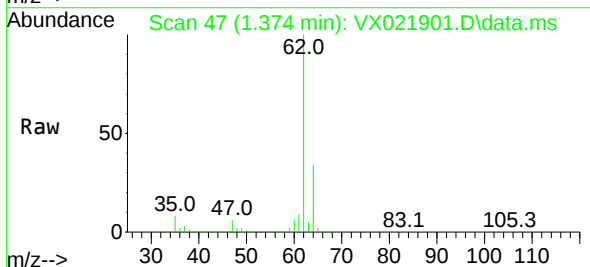
Instrument :
MSVOA_X
ClientSampled :

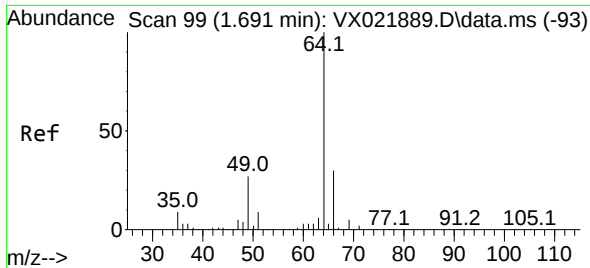
Tgt Ion: 50 Resp: 16350
Ion Ratio Lower Upper
50 100
52 0.0 23.3 43.3#



#5
Vinyl chloride
Concen: 268.29 ug/L
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 62 Resp: 2099417
Ion Ratio Lower Upper
62 100
64 34.0 22.7 42.1

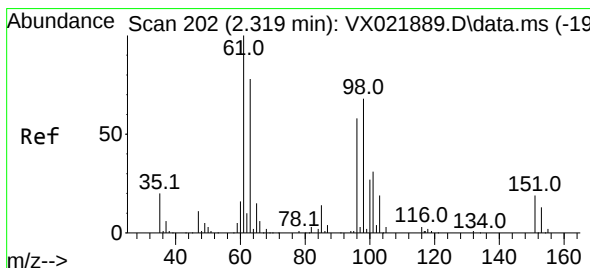
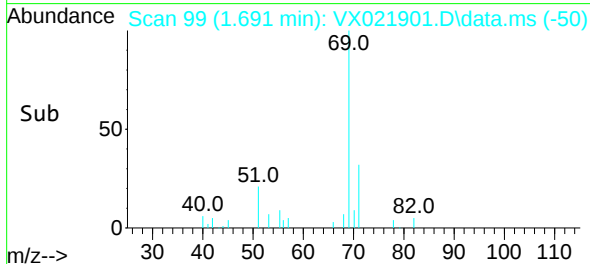
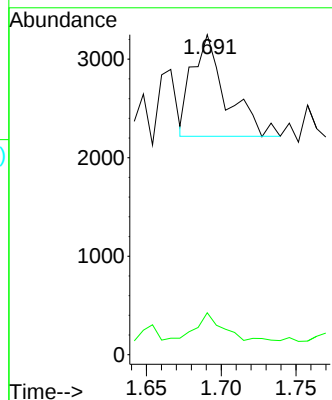
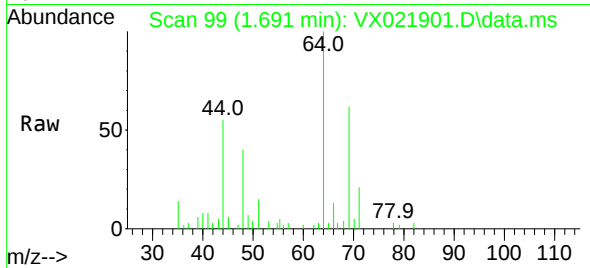




#8
Chloroethane
Concen: 0.35 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

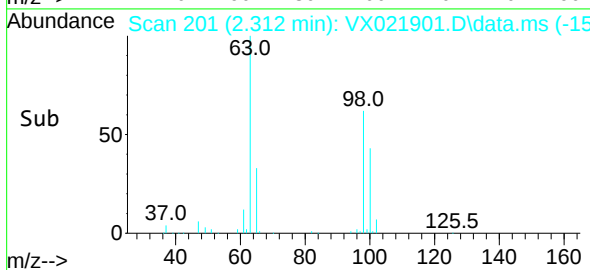
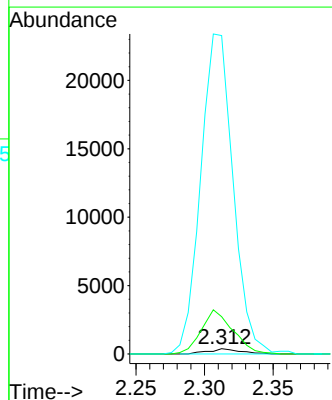
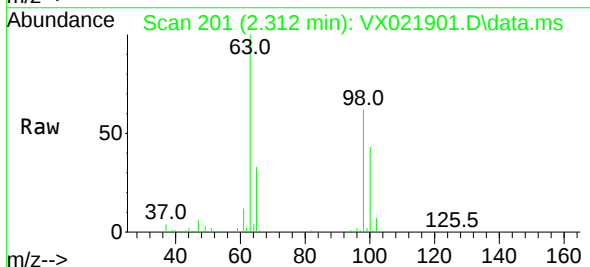
Instrument :
MSVOA_X
ClientSampled :

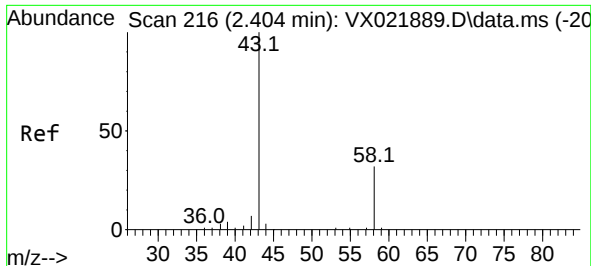
Tgt Ion: 64 Resp: 1627
Ion Ratio Lower Upper
64 100
66 13.1 23.6 43.8#



#12
1,1-Dichloroethene
Concen: 0.11 ug/L
RT: 2.312 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 96 Resp: 611
Ion Ratio Lower Upper
96 100
61 702.1 106.3 197.3#
63 5997.9 65.0 120.8#

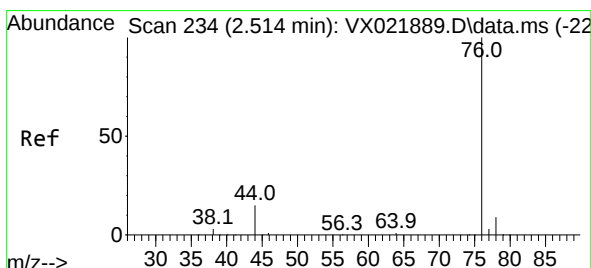
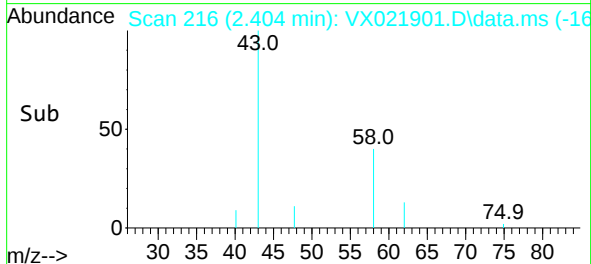
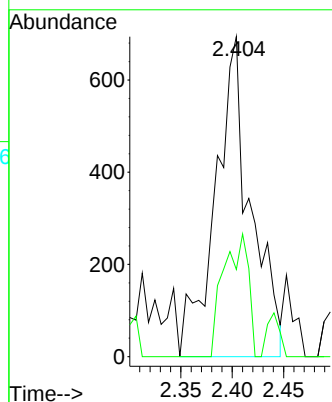
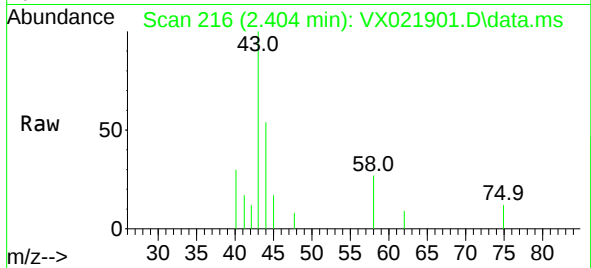




#13
Acetone
Concen: 2.07 ug/L
RT: 2.404 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

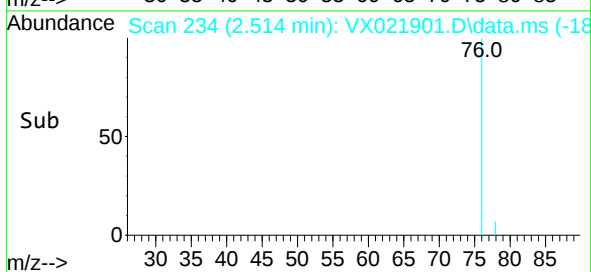
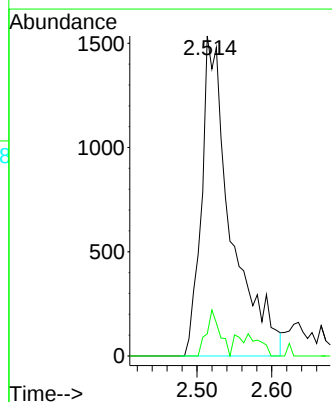
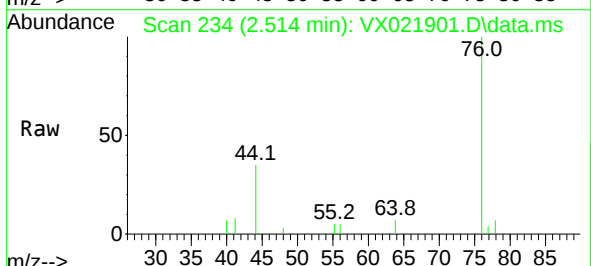
Instrument :
MSVOA_X
ClientSampled :

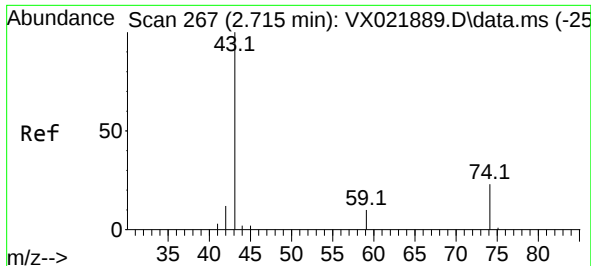
Tgt Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 27.0 0.0 66.4



#14
Carbon disulfide
Concen: 0.23 ug/L
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 76 Resp: 4196
Ion Ratio Lower Upper
76 100
78 6.9 7.1 10.7#

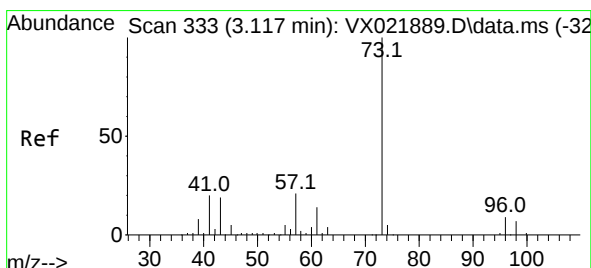
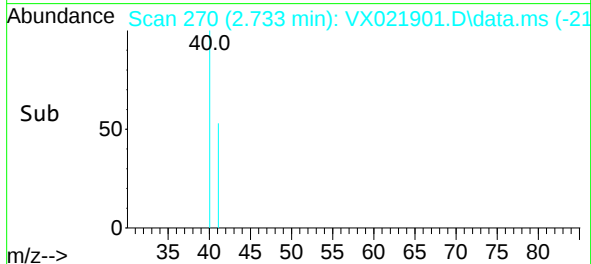
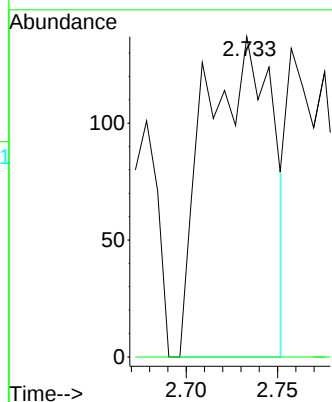
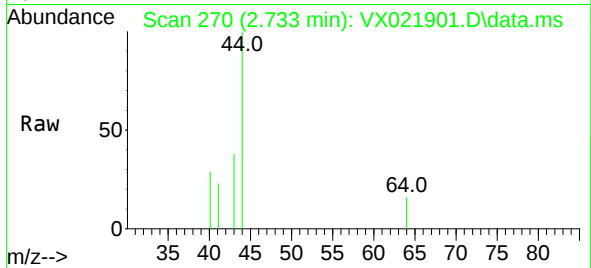




#15
Methyl Acetate
Concen: 0.14 ug/L
RT: 2.733 min Scan# 270
Delta R.T. 0.018 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

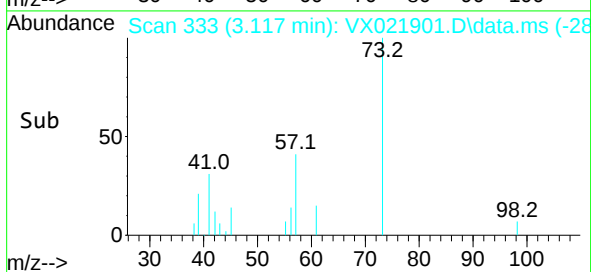
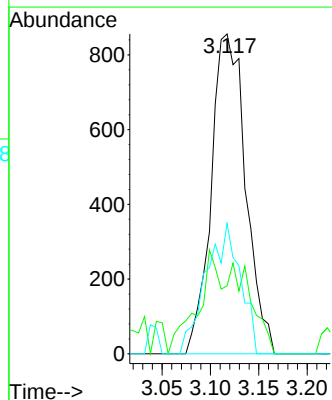
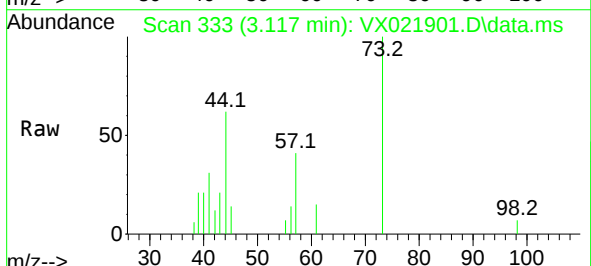
Instrument :
MSVOA_X
ClientSampled :

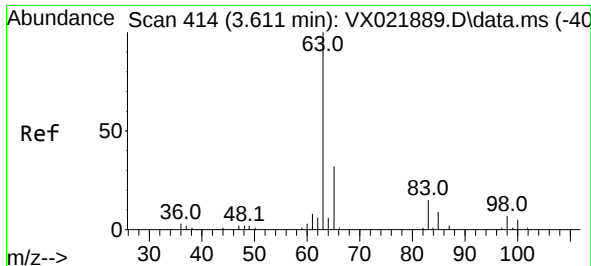
Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#17
Methyl tert-butyl Ether
Concen: 0.15 ug/L
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 73 Resp: 2119
Ion Ratio Lower Upper
73 100
43 17.8 16.5 24.7
57 40.3 17.1 25.7#





#19

1,1-Dichloroethane

Concen: 1.14 ug/L

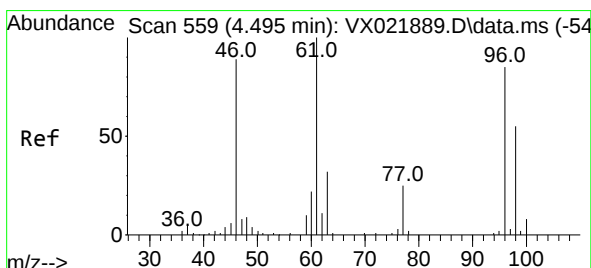
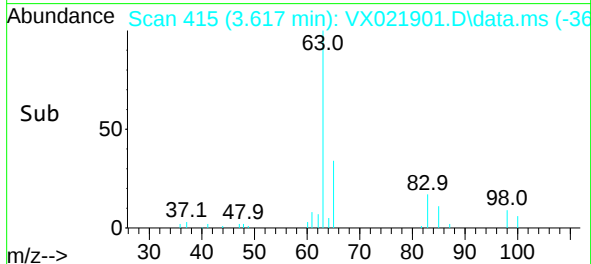
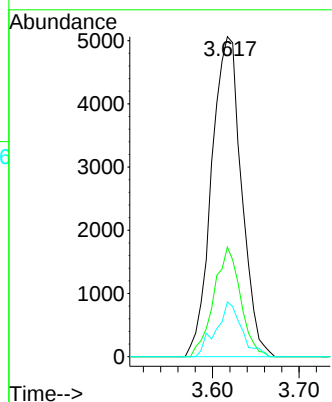
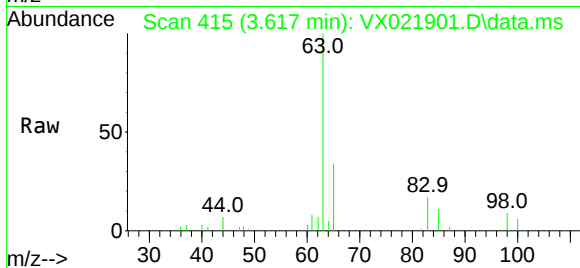
RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX021901.D

Acq: 11 May 2021 15:58

Tgt Ion: 63	Resp: 12135
Ion Ratio	Lower Upper
63 100	
65 34.3	22.5 41.9
83 17.1	8.7 16.1#



#22

cis-1,2-Dichloroethene

Concen: 3.22 ug/L

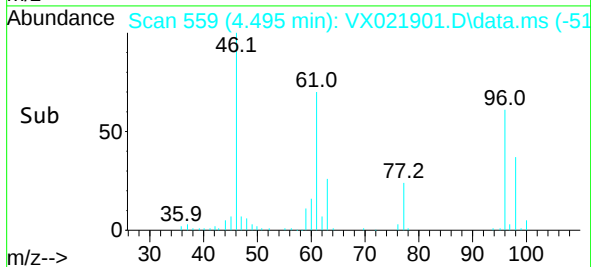
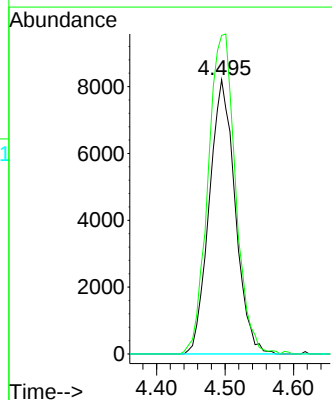
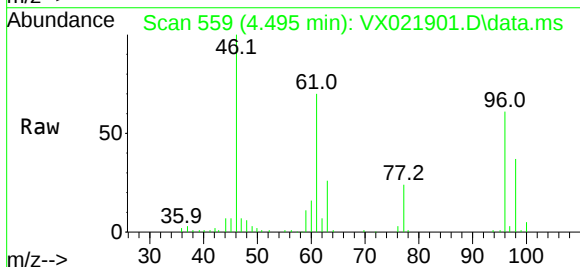
RT: 4.495 min Scan# 559

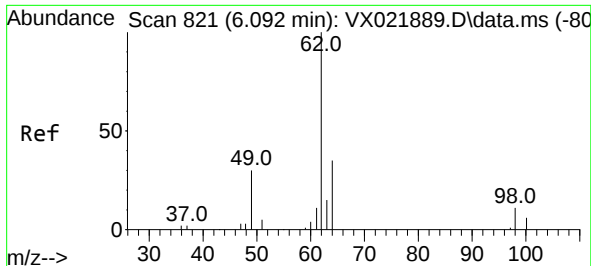
Delta R.T. -0.000 min

Lab File: VX021901.D

Acq: 11 May 2021 15:58

Tgt Ion: 96	Resp: 21539
Ion Ratio	Lower Upper
96 100	
61 116.1	80.9 150.3
68 0.0	0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.51 ug/L

RT: 6.050 min Scan# 814

Delta R.T. -0.043 min

Lab File: VX021901.D

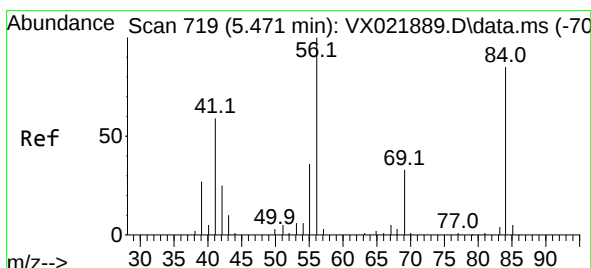
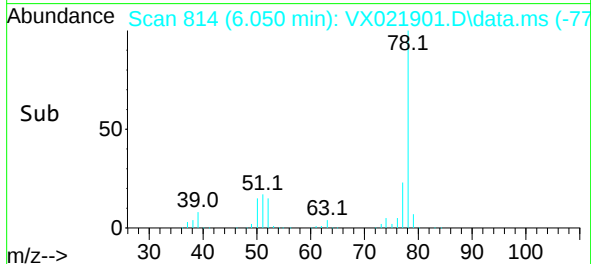
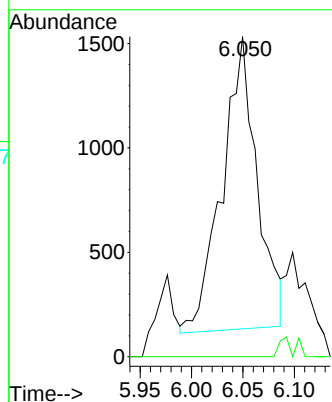
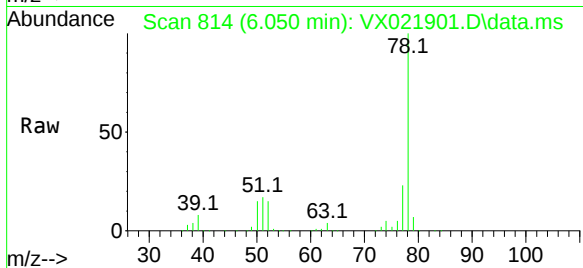
Acq: 11 May 2021 15:58

Tgt Ion: 62 Resp: 3313

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#30

Cyclohexane

Concen: 0.33 ug/L

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX021901.D

Acq: 11 May 2021 15:58

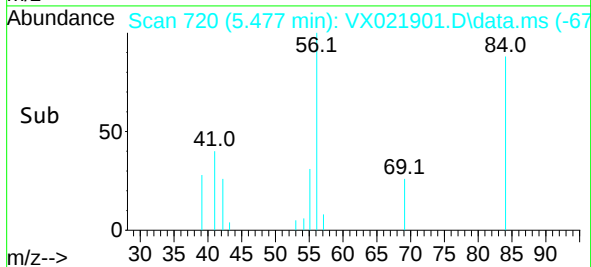
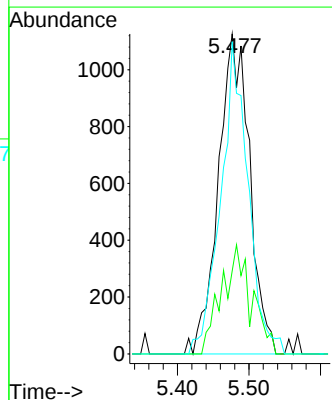
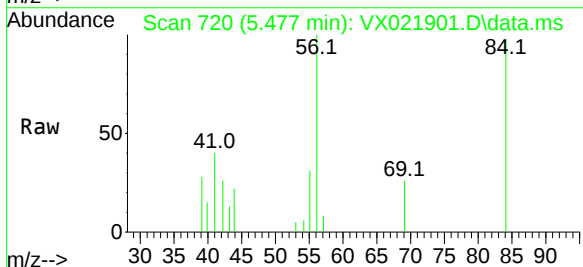
Tgt Ion: 56 Resp: 3408

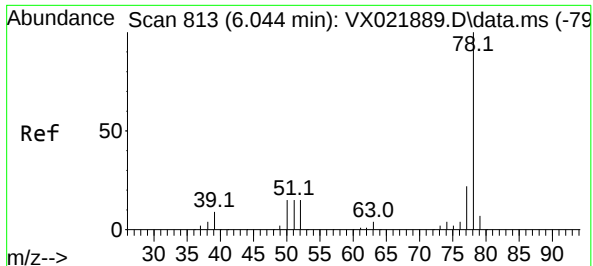
Ion Ratio Lower Upper

56 100

69 32.7 26.6 39.8

84 85.6 73.3 109.9

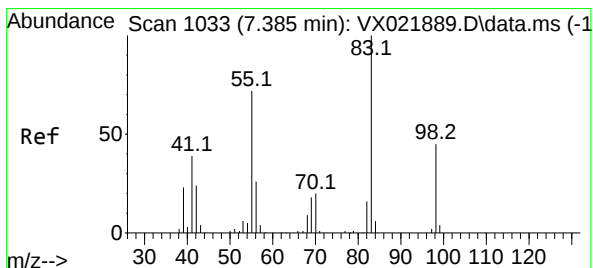
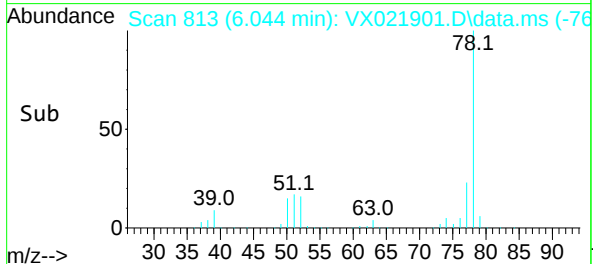
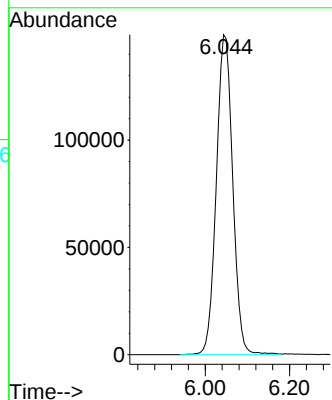
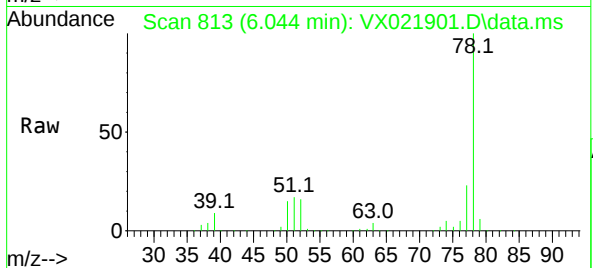




#33
Benzene
Concen: 16.58 ug/L
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

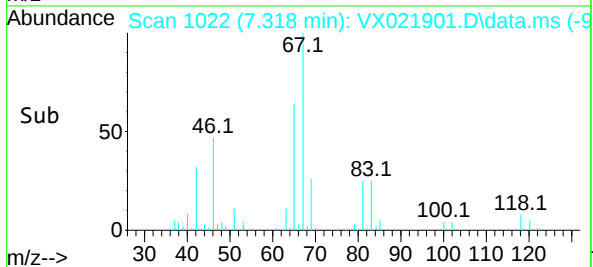
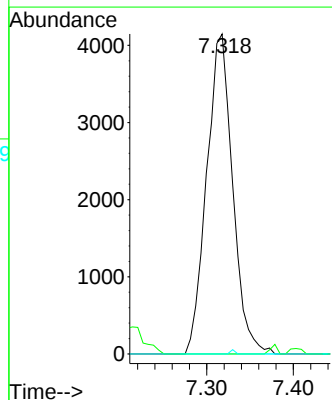
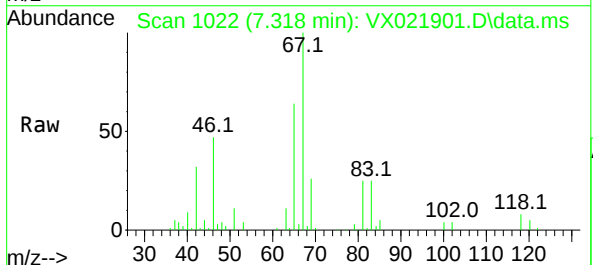
Instrument :
MSVOA_X
ClientSampled :

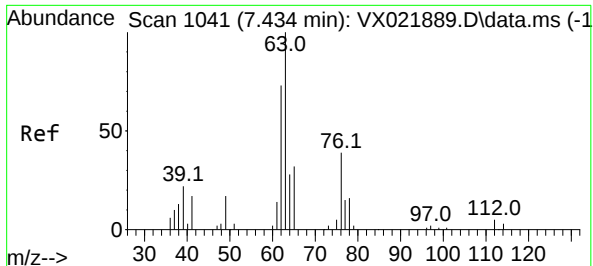
Tgt Ion: 78 Resp: 401824



#35
Methylcyclohexane
Concen: 0.80 ug/L
RT: 7.318 min Scan# 1022
Delta R.T. -0.067 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 83 Resp: 8658
Ion Ratio Lower Upper
83 100
55 0.8 60.3 90.5#
98 0.2 39.4 59.2#



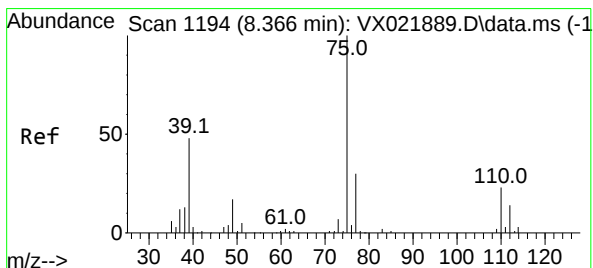
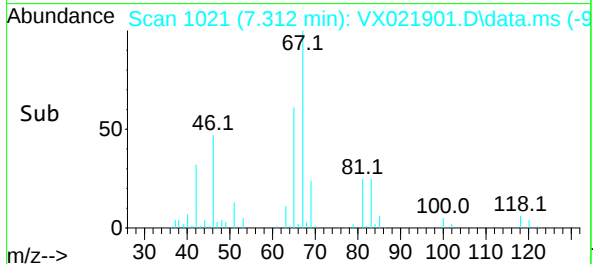
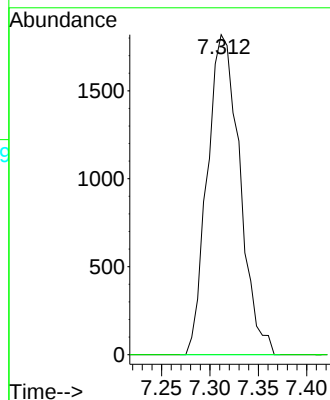
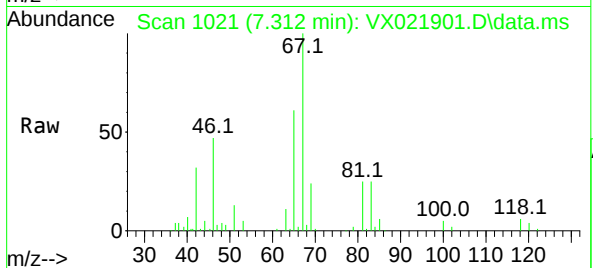


#37

1,2-Dichloropropane
Concen: 0.72 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.122 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Instrument :
MSVOA_X
ClientSampleId :

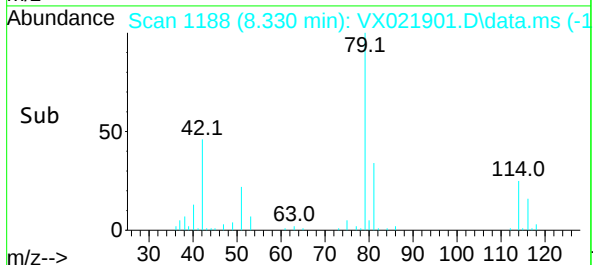
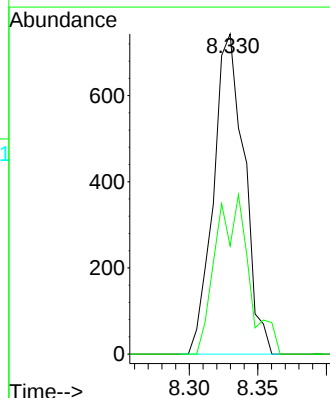
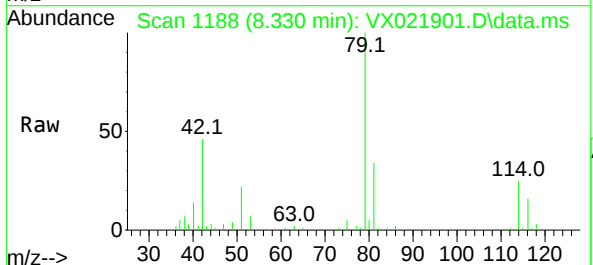
Tgt Ion: 63 Resp: 4241
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#

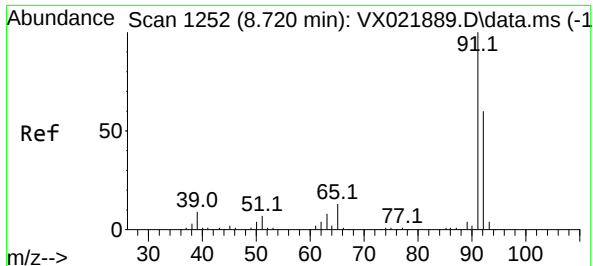


#39

cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.037 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 75 Resp: 1159
Ion Ratio Lower Upper
75 100
77 33.8 21.3 39.5





#42

Toluene

Concen: 0.25 ug/L

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX021901.D

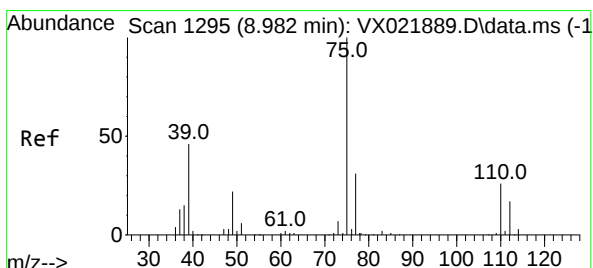
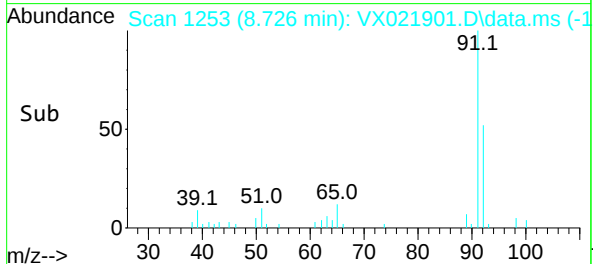
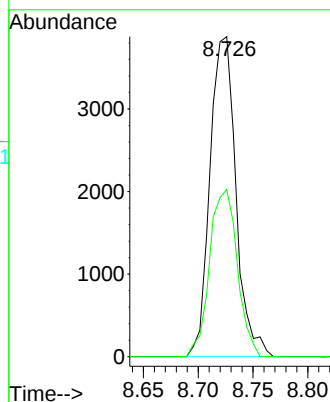
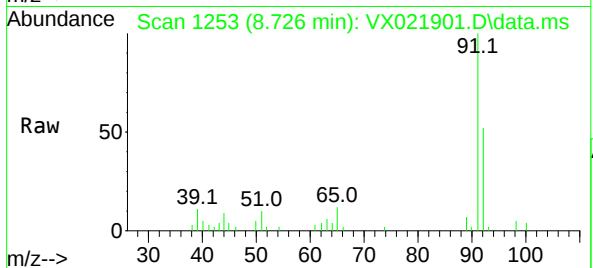
Acq: 11 May 2021 15:58

Tgt Ion: 91 Resp: 6381

Ion Ratio Lower Upper

91 100

92 52.2 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 0.10 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX021901.D

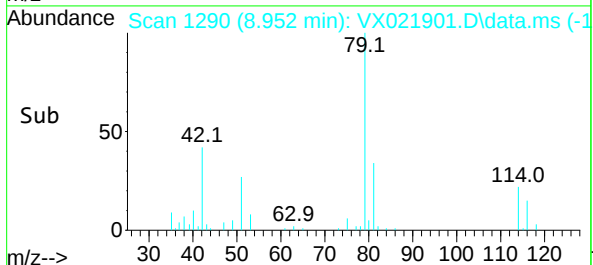
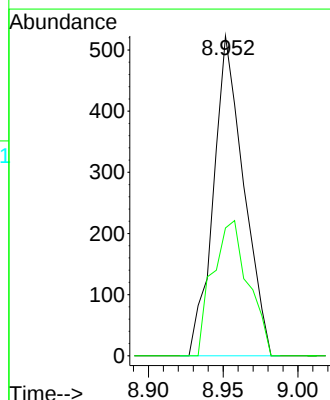
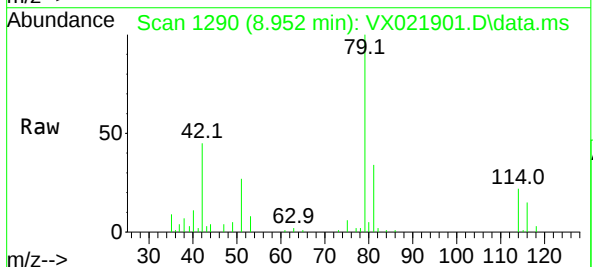
Acq: 11 May 2021 15:58

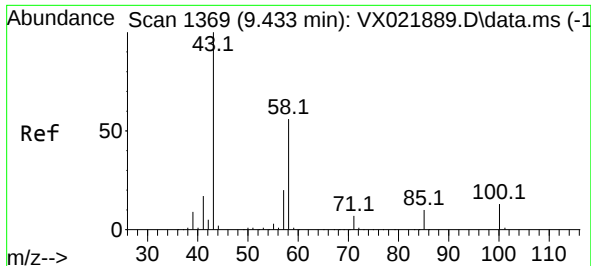
Tgt Ion: 75 Resp: 735

Ion Ratio Lower Upper

75 100

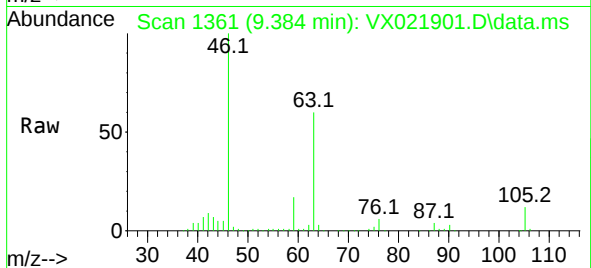
77 40.0 21.6 40.0



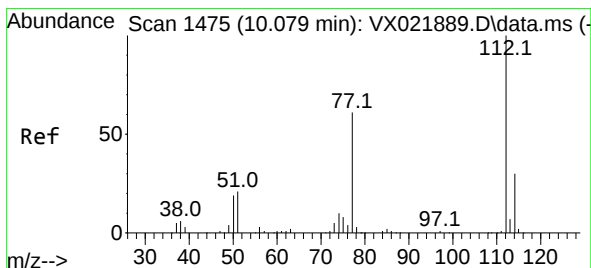
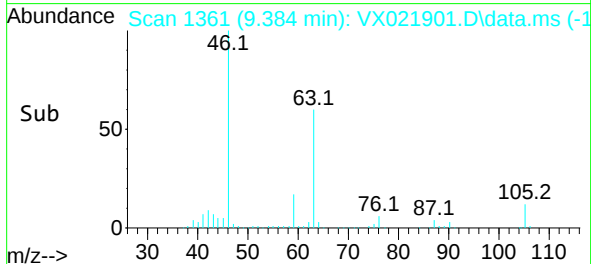
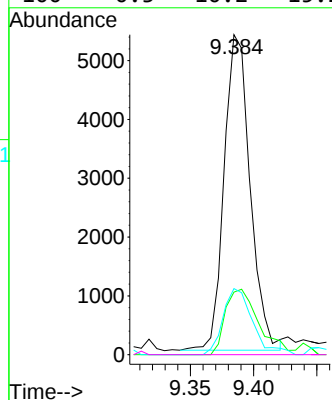


#48
2-Hexanone
Concen: 3.00 ug/L
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Instrument :
MSVOA_X
ClientSampleId :

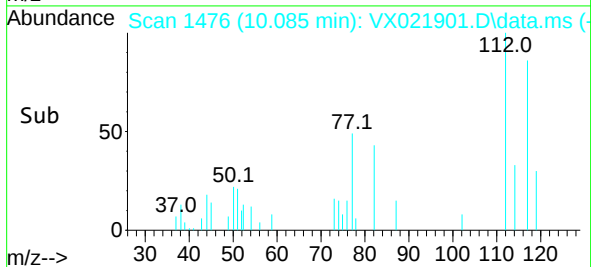
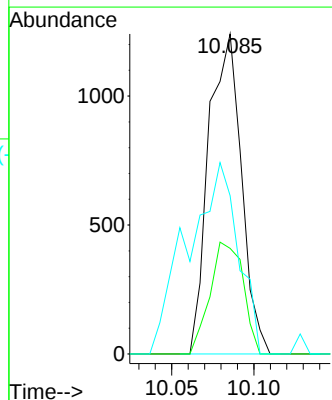
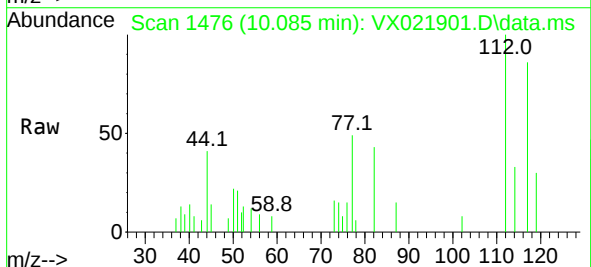


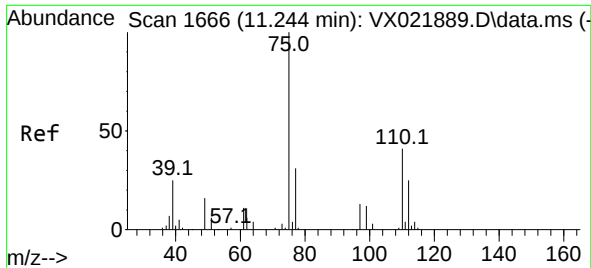
Tgt Ion:	43	Resp:	7677
Ion	Ratio	Lower	Upper
43	100		
58	26.9	44.6	67.0#
57	23.7	14.8	22.2#
100	0.3	10.2	15.2#



#51
Chlorobenzene
Concen: 0.11 ug/L
RT: 10.085 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion:	112	Resp:	1715
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.4	41.6
77	49.5	46.4	69.6

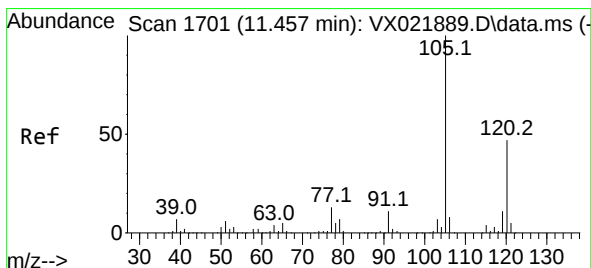
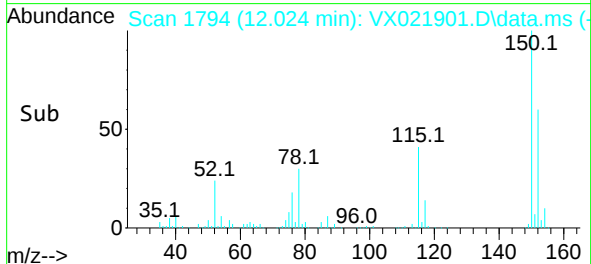
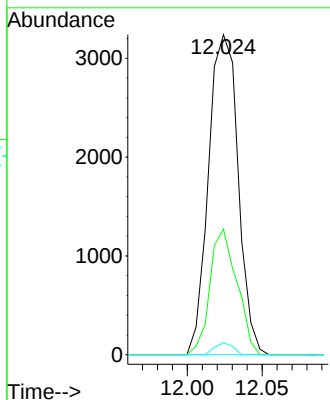
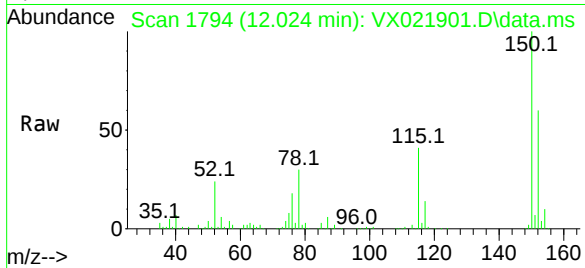




#61
1,2,3-Trichloropropane
Concen: 1.37 ug/L
RT: 12.024 min Scan# 1794
Delta R.T. 0.780 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

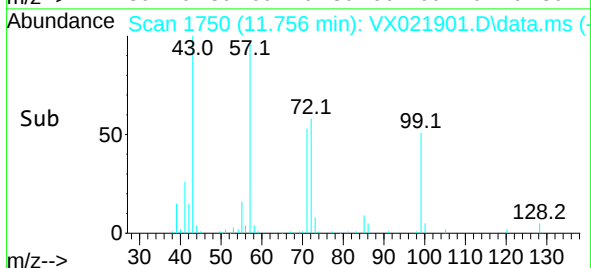
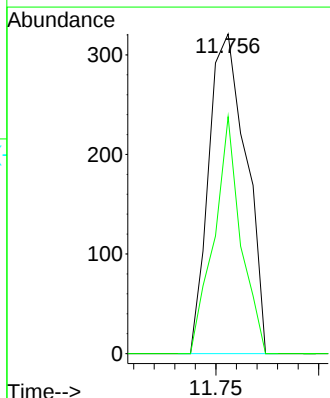
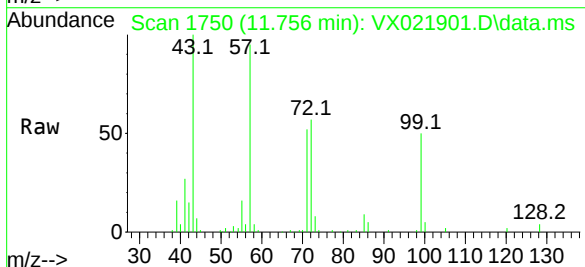
Instrument :
MSVOA_X
ClientSampled :

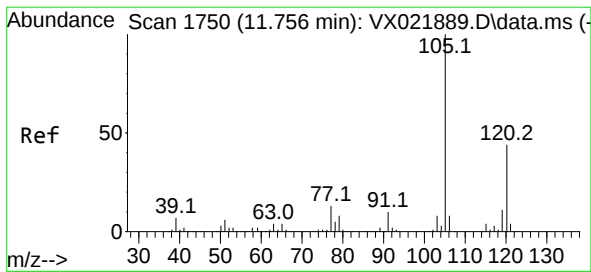
Tgt Ion: 75 Resp: 4458
Ion Ratio Lower Upper
75 100
77 35.7 24.6 37.0
110 2.3 32.3 48.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.299 min
Lab File: VX021901.D
Acq: 11 May 2021 15:58

Tgt Ion: 105 Resp: 405
Ion Ratio Lower Upper
105 100
120 53.3 38.4 57.6





#63
 1,2,4-Trimethylbenzene
 Concen: 0.02 ug/L
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX021901.D
 Acq: 11 May 2021 15:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 405
 Ion Ratio Lower Upper
 105 100
 120 53.3 36.4 54.6

