

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021895.D
 Acq On : 11 May 2021 13:42
 Operator : JC/MD
 Sample : M2336-07
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 12 03:40:04 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	83064	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	72296	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	33745	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	30999	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.673	69	26924	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.307	63	38181	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.471	46	84179	51.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.58%
24) Chloroform-d	5.062	84	55811	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.964	65	29782	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.983	84	117136	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	7.312	67	36011	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	8.653	98	105129	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloroprop...	8.952	79	15623	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	9.391	63	72503	51.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.82%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	27315	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
66) 1,2-Dichlorobenzene-d4	12.323	152	35976	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	763	0.10	ug/L #	63
13) Acetone	2.398	43	24686	29.68	ug/L	98
21) 2-Butanone	4.581	43	8194	5.35	ug/L	89
22) cis-1,2-Dichloroethene	4.495	96	979	0.14	ug/L	75
27) 1,2-Dichloroethane	6.099	62	1108	0.16	ug/L #	74
33) Benzene	6.050	78	3012	0.12	ug/L	100
35) Methylcyclohexane	7.318	83	8890	0.80	ug/L #	20
37) 1,2-Dichloropropane	7.312	63	3921	0.65	ug/L #	94
39) cis-1,3-Dichloropropene	8.330	75	1364	0.14	ug/L #	81
42) Toluene	8.720	91	5211	0.20	ug/L	93
44) trans-1,3-Dichloropropene	8.958	75	779	0.10	ug/L	99
51) Chlorobenzene	10.086	112	4736	0.29	ug/L #	88
52) Ethylbenzene	10.195	91	8789	0.30	ug/L	96
53) m,p-xylene	10.305	106	10472	0.92	ug/L	98
54) o-xylene	10.647	106	21625	1.97	ug/L	90
60) Isopropylbenzene	10.964	105	1801	0.06	ug/L #	91
61) 1,2,3-Trichloropropane	10.647	75	730	0.21	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.457	105	3251	0.13	ug/L	94
63) 1,2,4-Trimethylbenzene	11.756	105	2151	0.09	ug/L	96

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 12 03:37:54 2021
 Response via : Initial Calibration

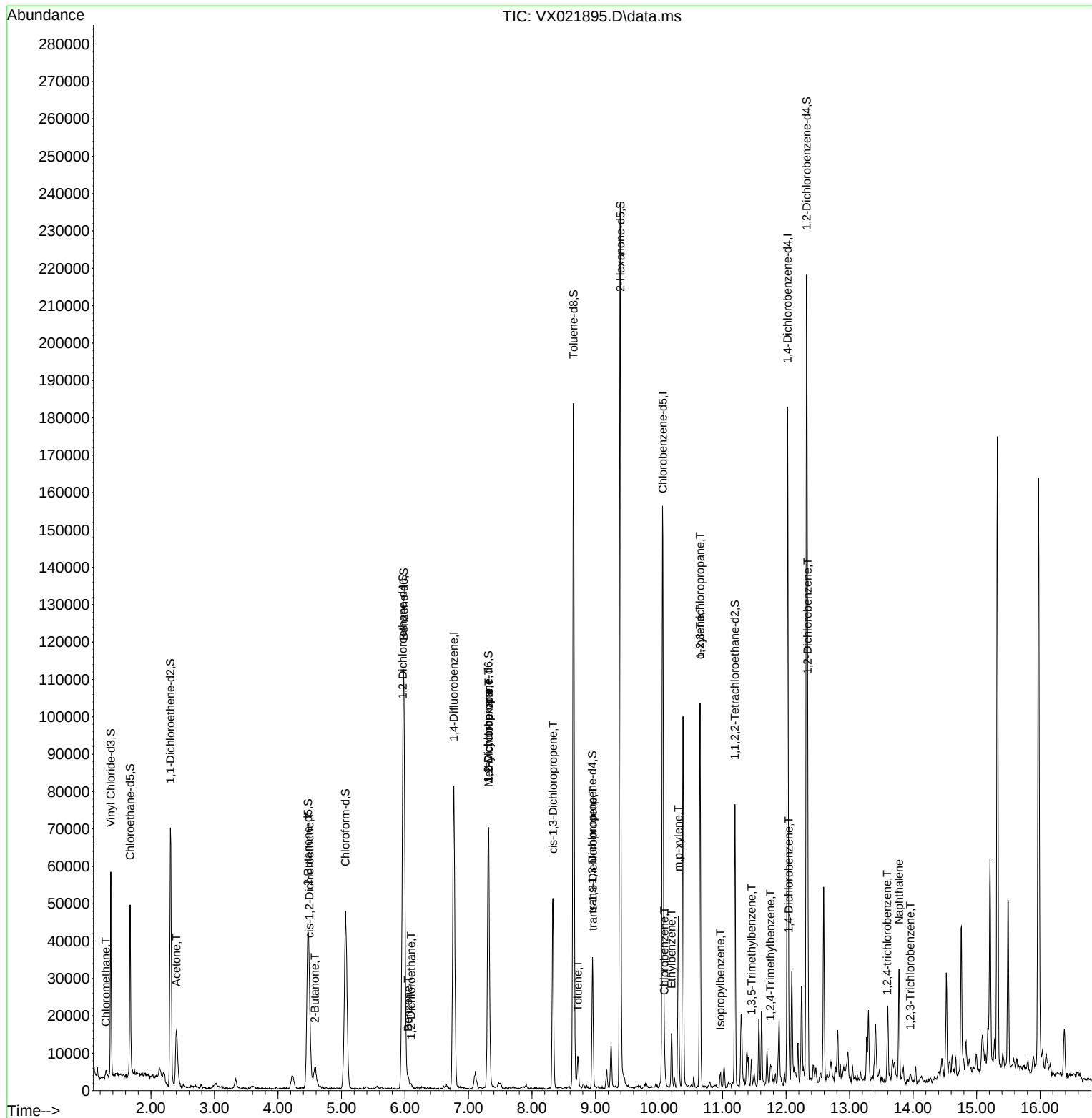
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	12.043	146	1552	0.13	ug/L	98
67) 1,2-Dichlorobenzene	12.341	146	24240	2.24	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	672	0.09	ug/L #	90
71) Naphthalene	13.780	128	17034	1.10	ug/L	98
72) 1,2,3-Trichlorobenzene	13.957	180	487	0.08	ug/L #	90

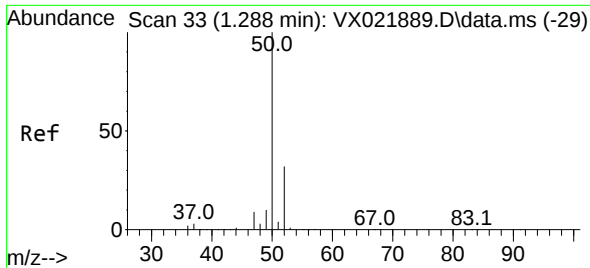
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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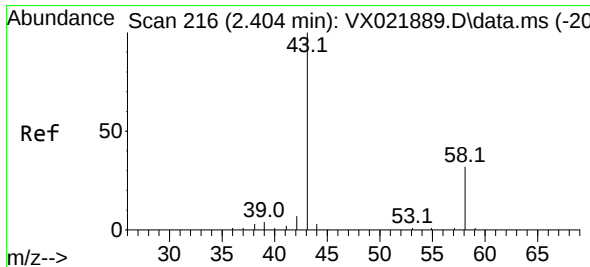
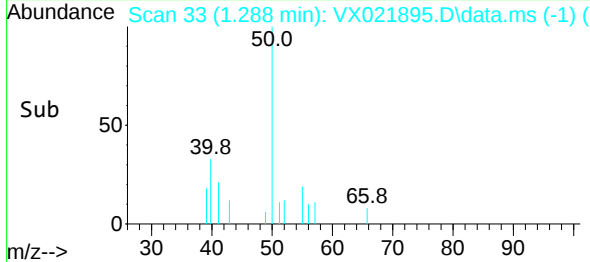
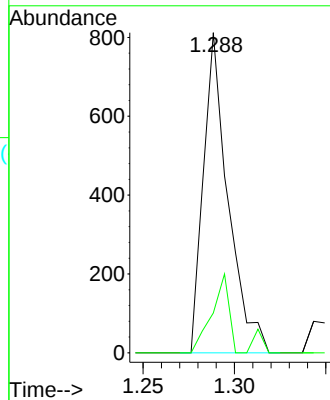
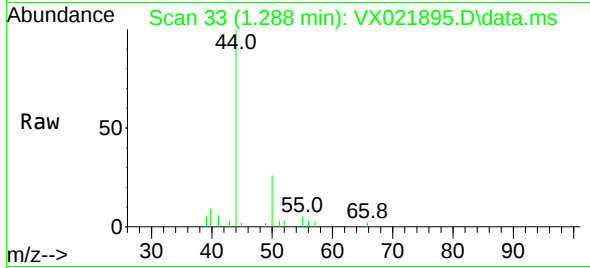




#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

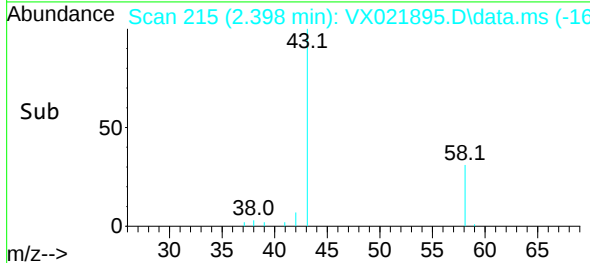
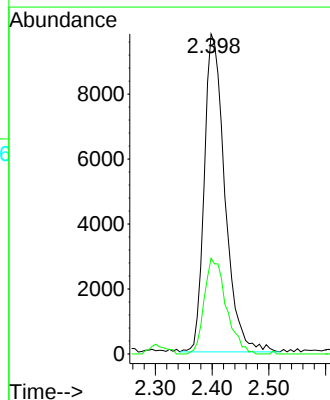
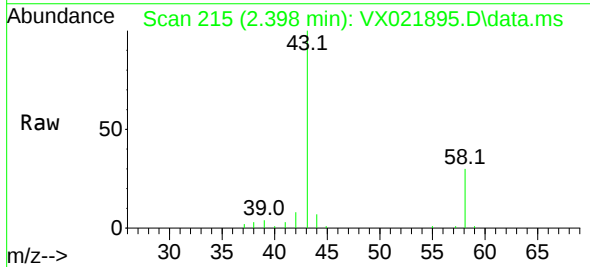
Instrument :
MSVOA_X
ClientSampled :

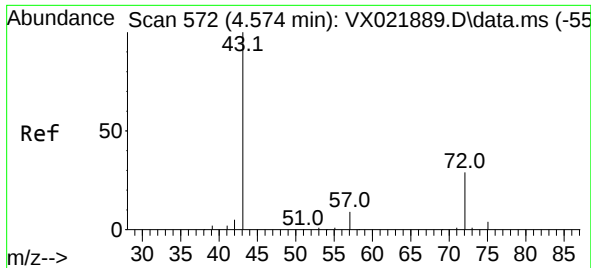
Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 12.4 23.3 43.3#



#13
Acetone
Concen: 29.68 ug/L
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 43 Resp: 24686
Ion Ratio Lower Upper
43 100
58 32.1 0.0 66.4

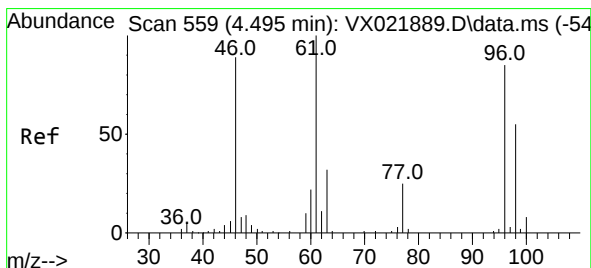
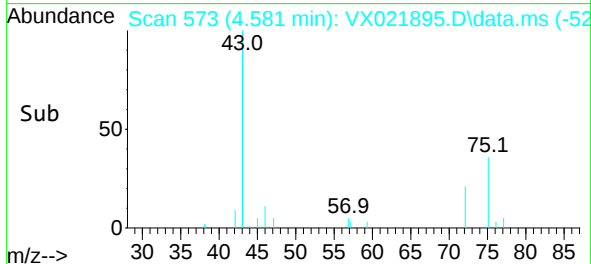
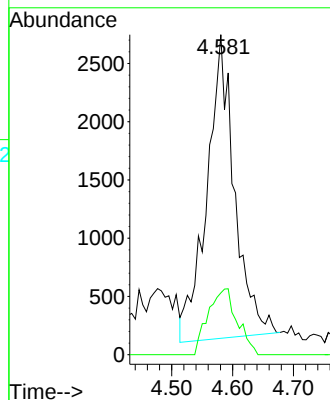
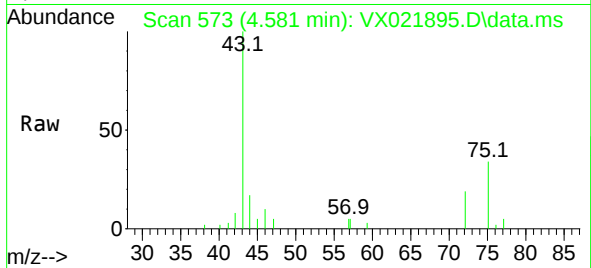




#21
2-Butanone
Concen: 5.35 ug/L
RT: 4.581 min Scan# 573
Delta R.T. 0.006 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

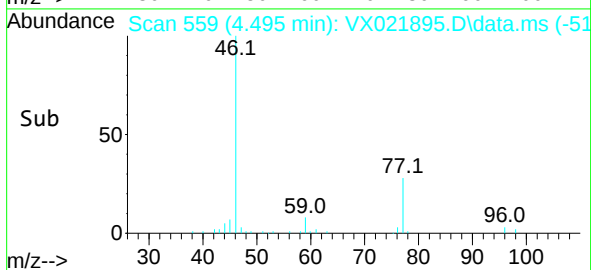
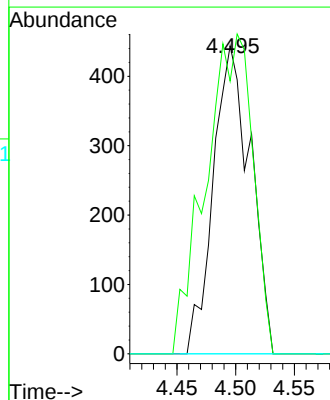
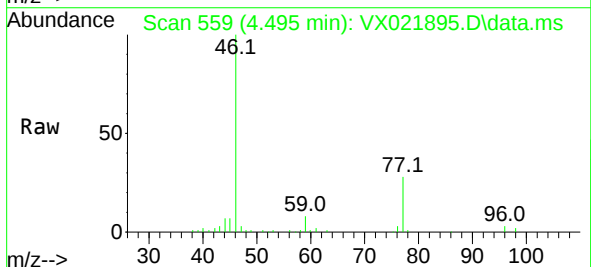
Instrument :
MSVOA_X
ClientSampled :

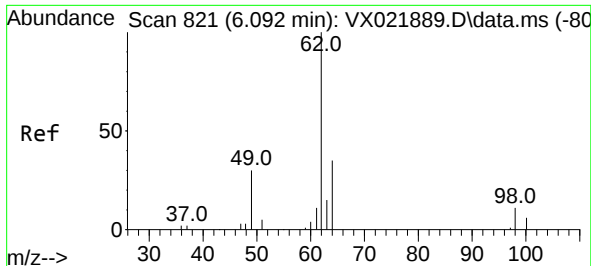
Tgt Ion: 43 Resp: 8194
Ion Ratio Lower Upper
43 100
72 22.9 14.4 43.2



#22
cis-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 96 Resp: 979
Ion Ratio Lower Upper
96 100
61 88.5 80.9 150.3
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.16 ug/L

RT: 6.099 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX021895.D

Acq: 11 May 2021 13:42

Tgt Ion: 62 Resp: 1108

Ion Ratio Lower Upper

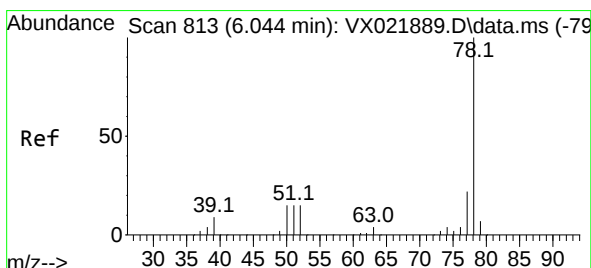
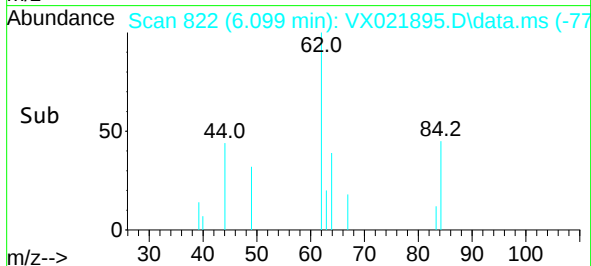
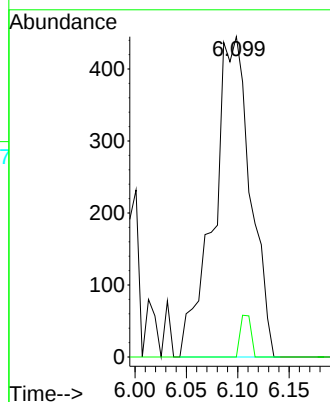
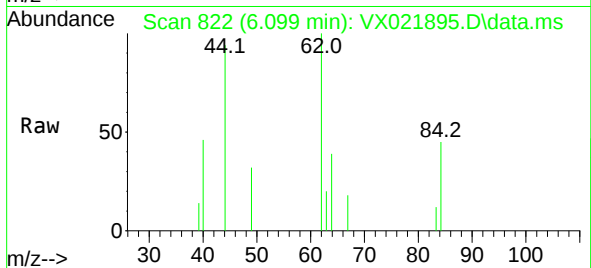
62 100

98 0.0 7.8 11.6#

Instrument :

MSVOA_X

ClientSampleId :



#33

Benzene

Concen: 0.12 ug/L

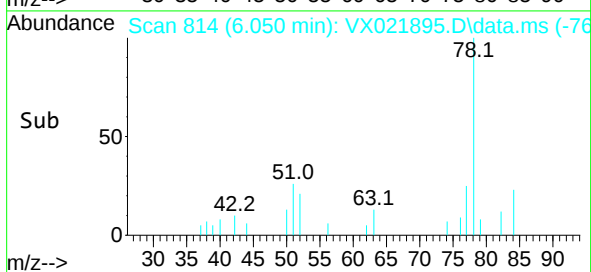
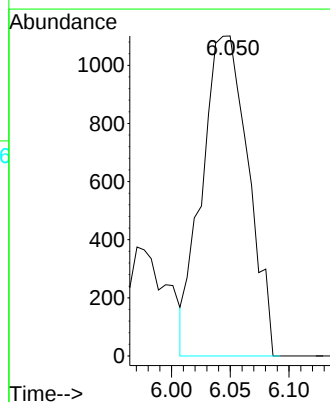
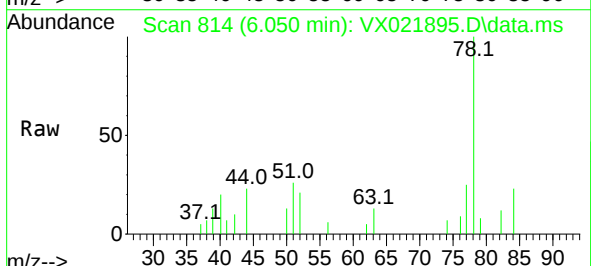
RT: 6.050 min Scan# 814

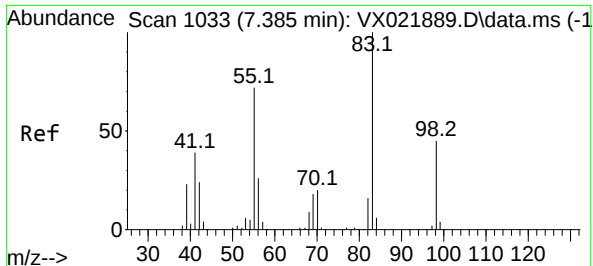
Delta R.T. 0.006 min

Lab File: VX021895.D

Acq: 11 May 2021 13:42

Tgt Ion: 78 Resp: 3012





#35

Methylcyclohexane

Concen: 0.80 ug/L

RT: 7.318 min Scan# 1022

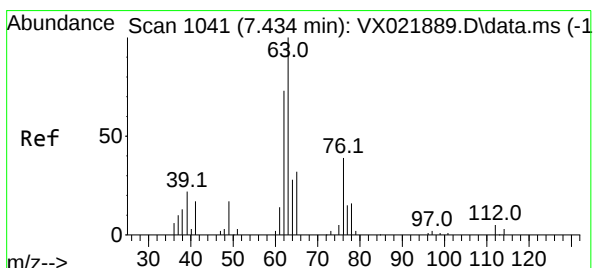
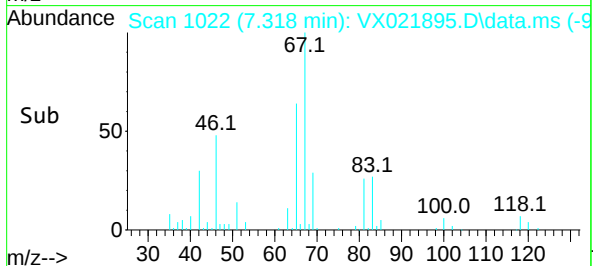
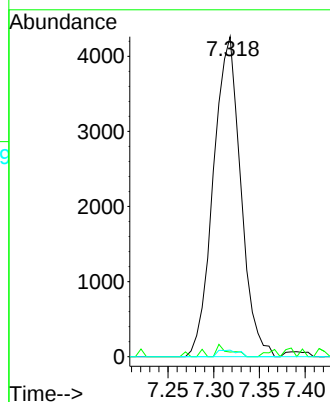
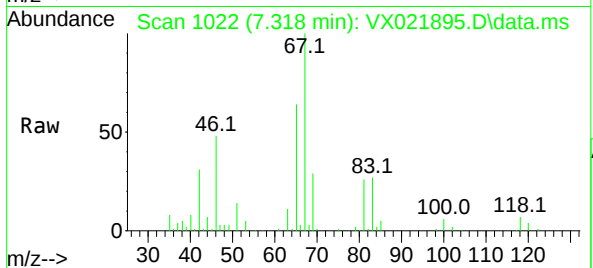
Delta R.T. -0.067 min

Lab File: VX021895.D

Acq: 11 May 2021 13:42

Tgt Ion:	83	Resp:	8890
Ion	Ratio	Lower	Upper
83	100		
55	1.8	60.3	90.5#
98	1.5	39.4	59.2#

Instrument :
MSVOA_X
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.65 ug/L

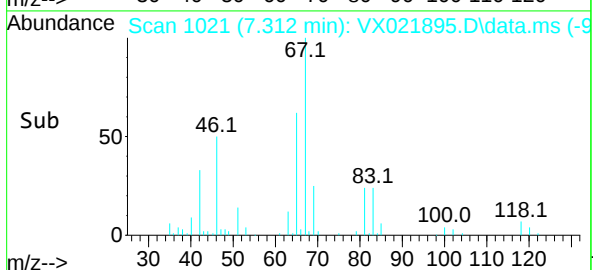
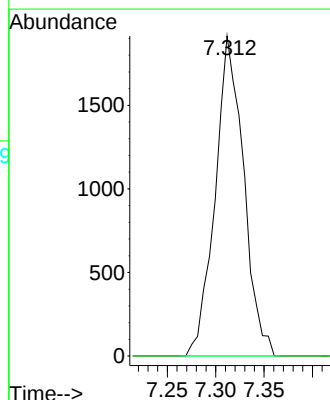
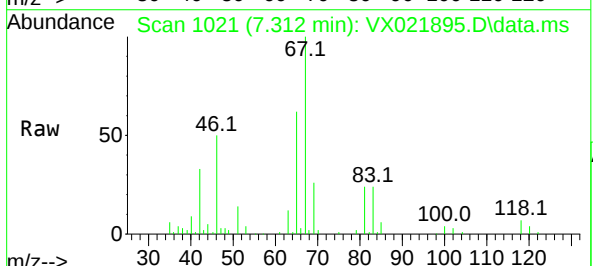
RT: 7.312 min Scan# 1021

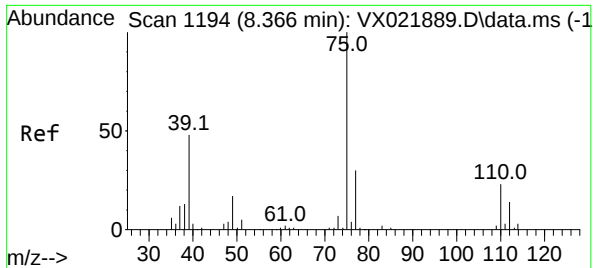
Delta R.T. -0.122 min

Lab File: VX021895.D

Acq: 11 May 2021 13:42

Tgt Ion:	63	Resp:	3921
Ion	Ratio	Lower	Upper
63	100		
112	3.1	4.1	6.1#

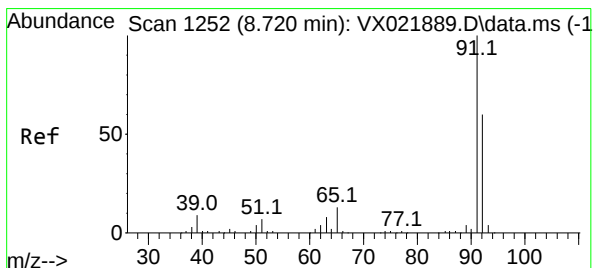
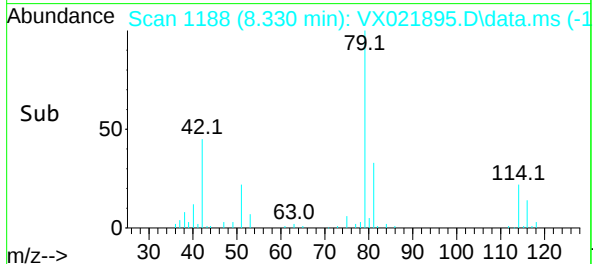
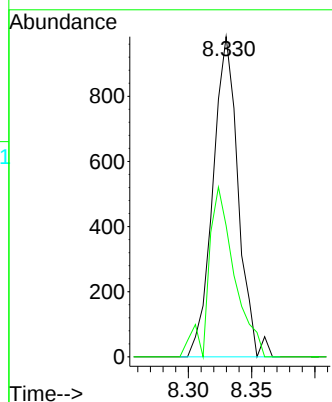
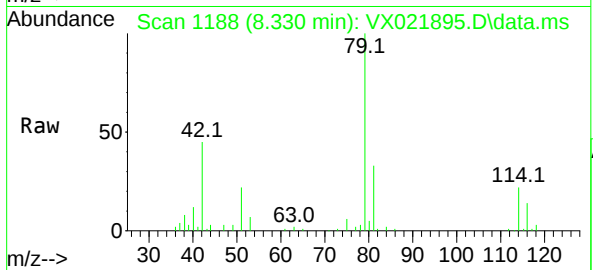




#39
cis-1,3-Dichloropropene
Concen: 0.14 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

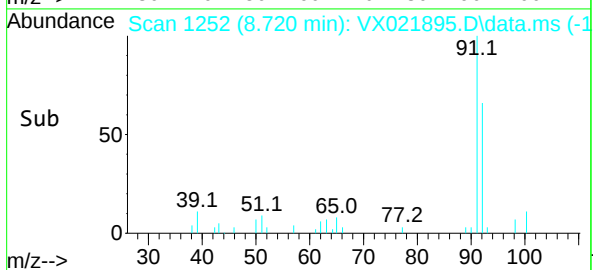
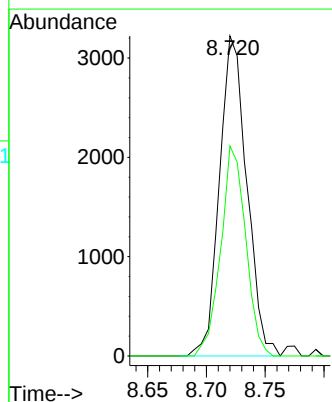
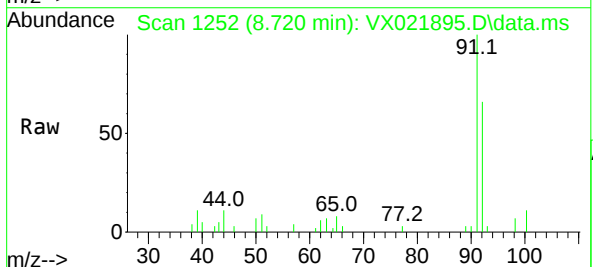
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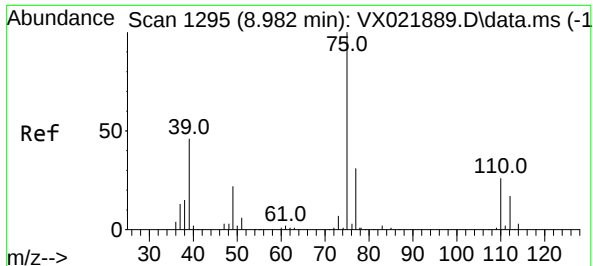
Tgt Ion: 75 Resp: 1364
Ion Ratio Lower Upper
75 100
77 41.0 21.3 39.5#



#42
Toluene
Concen: 0.20 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 91 Resp: 5211
Ion Ratio Lower Upper
91 100
92 65.6 42.1 78.3

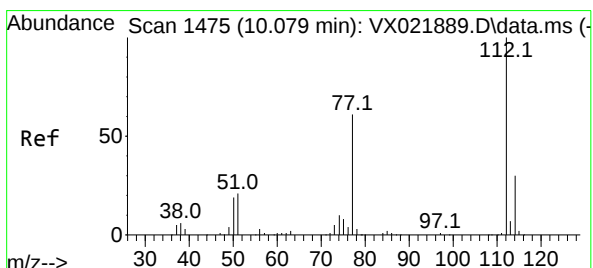
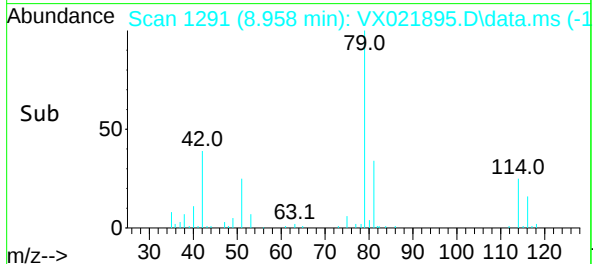
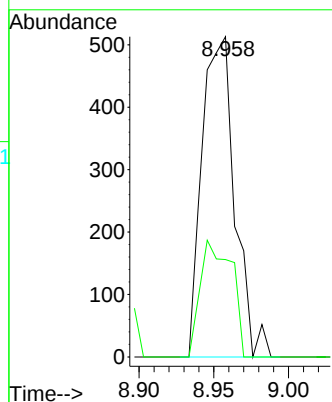
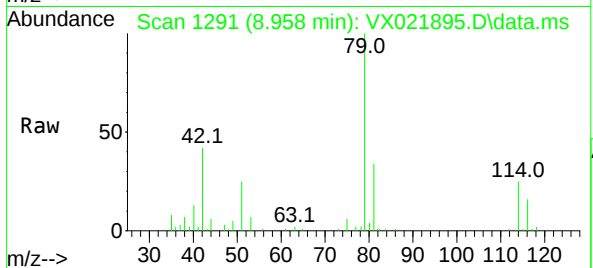




#44
trans-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

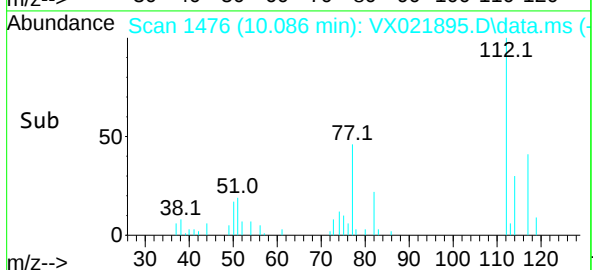
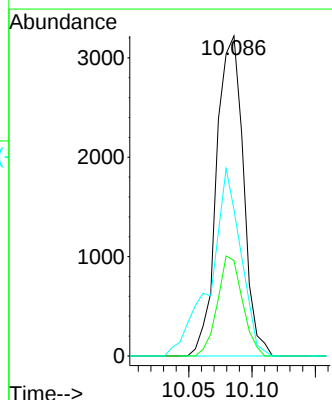
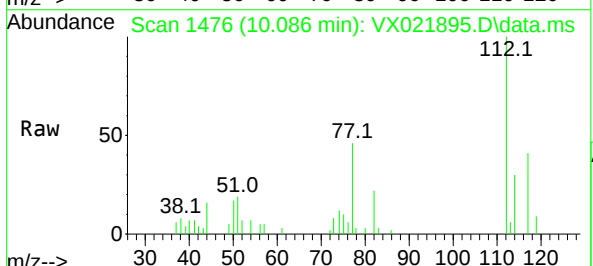
Instrument :
MSVOA_X
ClientSampled :

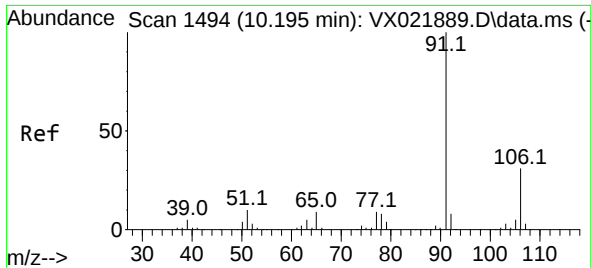
Tgt Ion: 75 Resp: 779
Ion Ratio Lower Upper
75 100
77 30.4 21.6 40.0



#51
Chlorobenzene
Concen: 0.29 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 112 Resp: 4736
Ion Ratio Lower Upper
112 100
114 29.9 22.4 41.6
77 45.7 46.4 69.6#

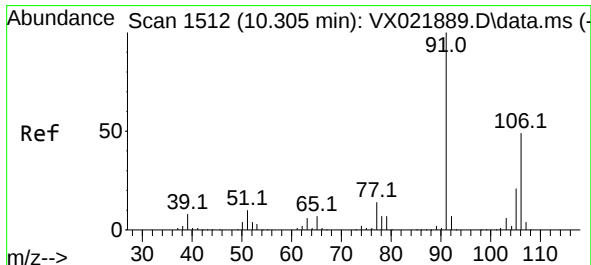
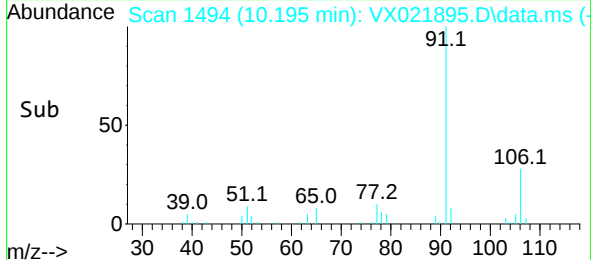
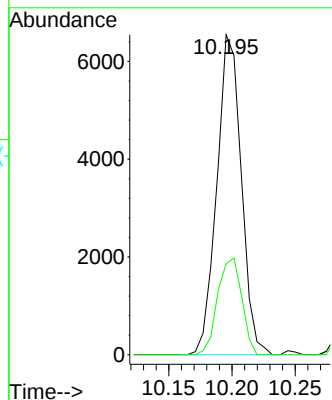
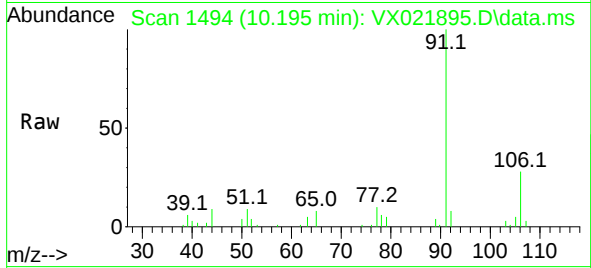




#52
Ethylbenzene
Concen: 0.30 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

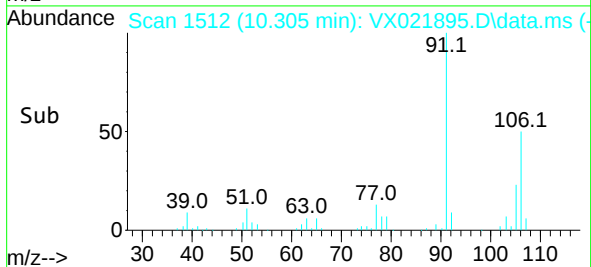
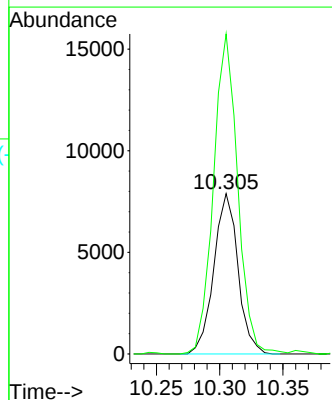
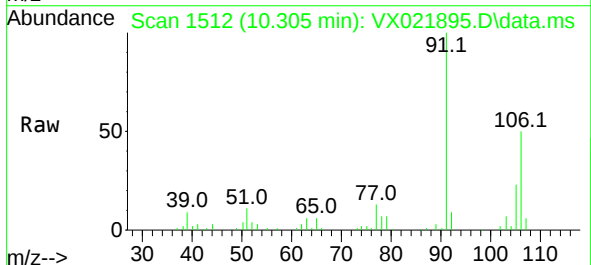
Instrument :
MSVOA_X
ClientSampled :

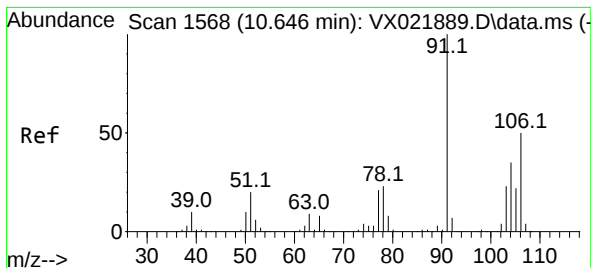
Tgt Ion: 91 Resp: 8789
Ion Ratio Lower Upper
91 100
106 28.5 21.6 40.0



#53
m,p-xylene
Concen: 0.92 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 106 Resp: 10472
Ion Ratio Lower Upper
106 100
91 199.5 141.7 263.3





#54

o-xylene

Concen: 1.97 ug/L

RT: 10.647 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VX021895.D

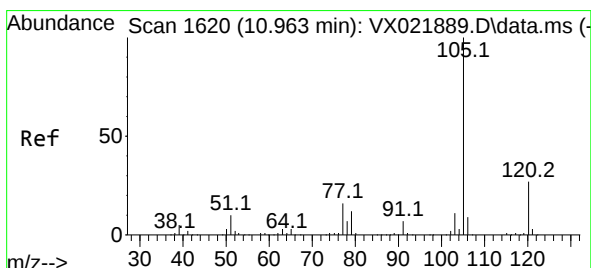
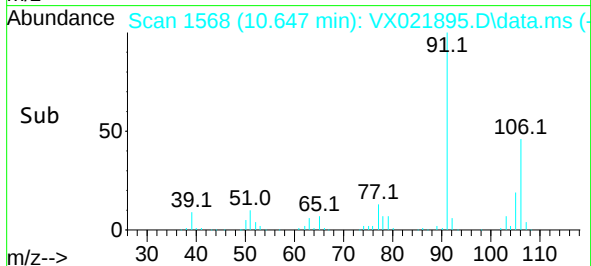
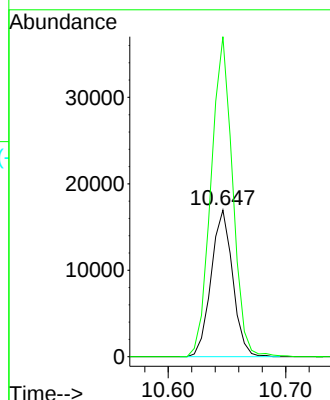
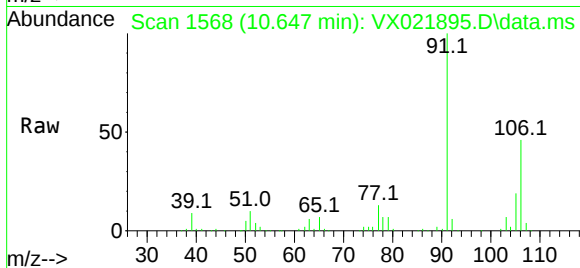
Acq: 11 May 2021 13:42

Tgt Ion:106 Resp: 21625

Ion Ratio Lower Upper

106 100

91 218.3 142.0 263.8



#60

Isopropylbenzene

Concen: 0.06 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX021895.D

Acq: 11 May 2021 13:42

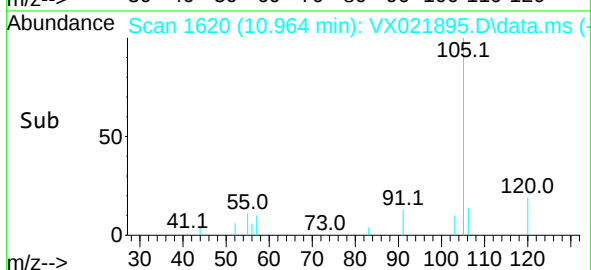
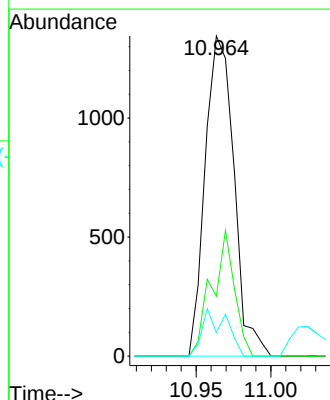
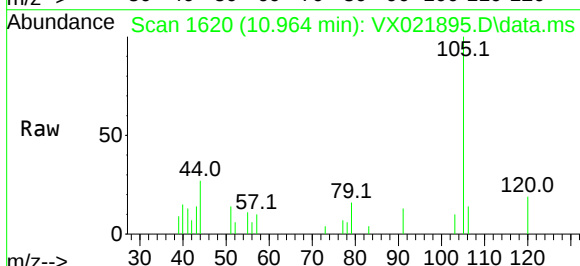
Tgt Ion:105 Resp: 1801

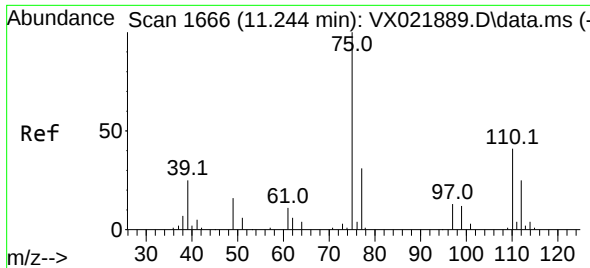
Ion Ratio Lower Upper

105 100

120 31.0 21.0 31.6

77 12.2 12.4 18.6#

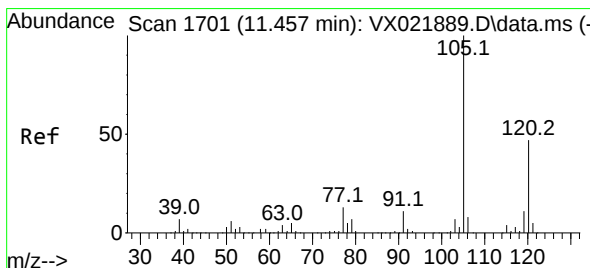
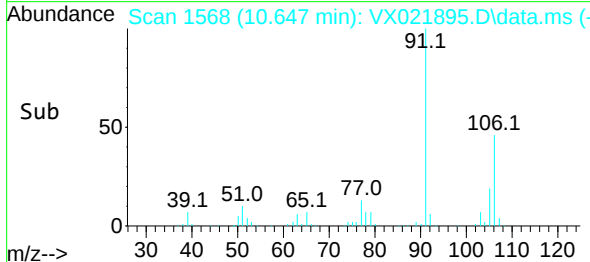
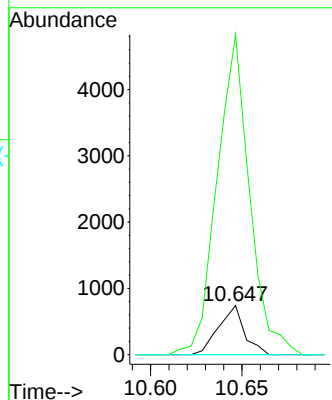
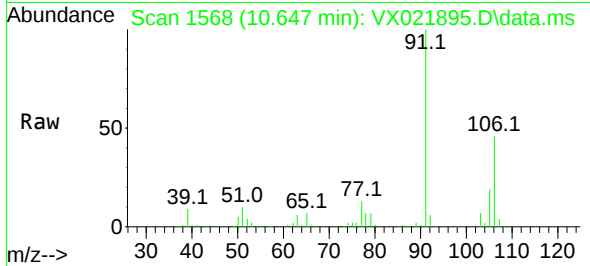




#61
1,2,3-Trichloropropane
Concen: 0.21 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. -0.597 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

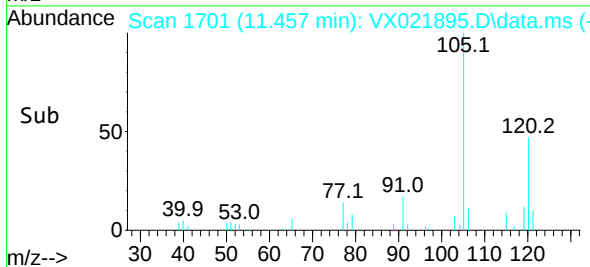
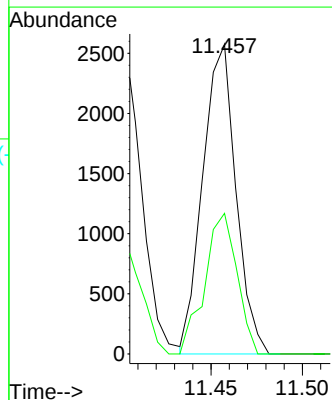
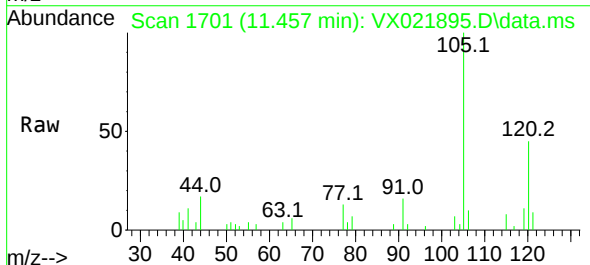
Instrument :
MSVOA_X
ClientSampled :

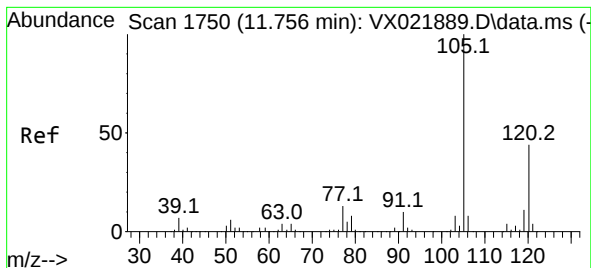
Tgt Ion: 75 Resp: 730
Ion Ratio Lower Upper
75 100
77 817.3 24.6 37.0#
110 0.0 32.3 48.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.13 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion: 105 Resp: 3251
Ion Ratio Lower Upper
105 100
120 44.2 38.4 57.6

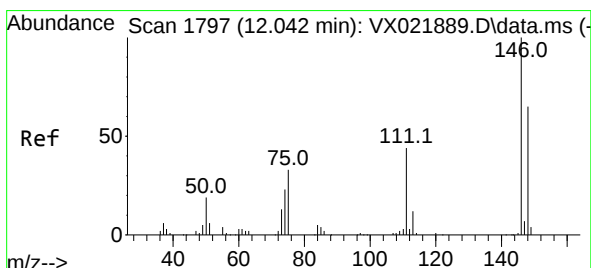
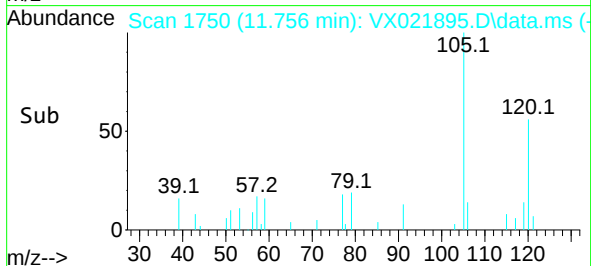
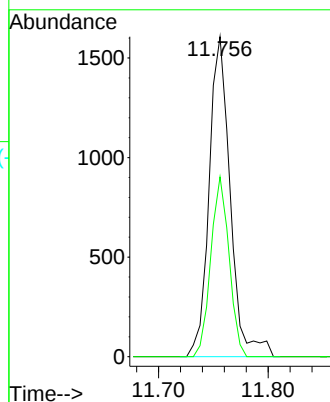
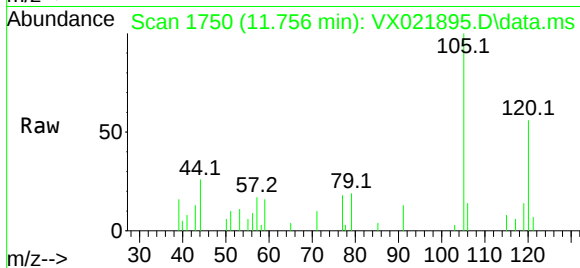




#63
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

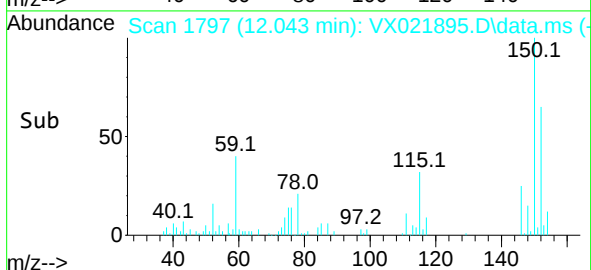
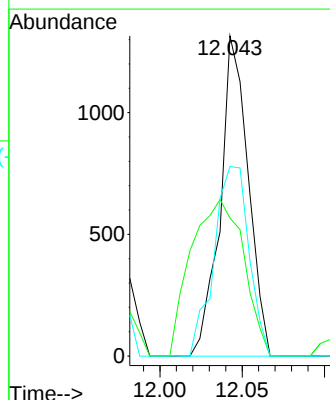
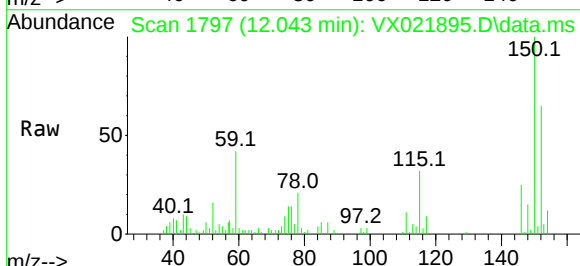
Instrument :
MSVOA_X
ClientSampled :

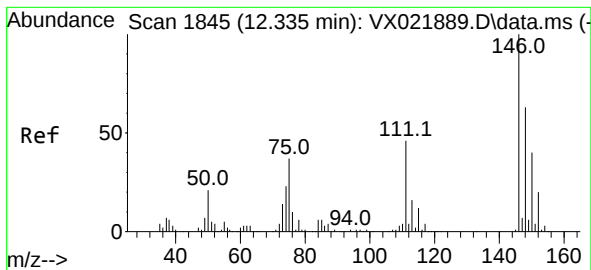
Tgt Ion:105 Resp: 2151
Ion Ratio Lower Upper
105 100
120 48.4 36.4 54.6



#65
1,4-Dichlorobenzene
Concen: 0.13 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion:146 Resp: 1552
Ion Ratio Lower Upper
146 100
111 43.1 30.4 56.5
148 59.2 43.2 80.2

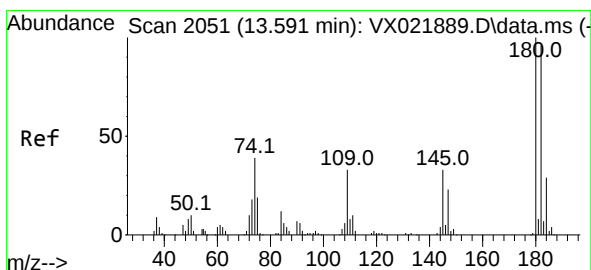
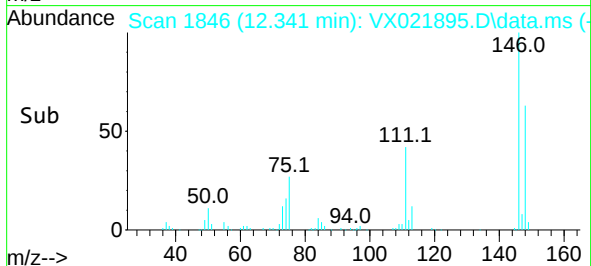
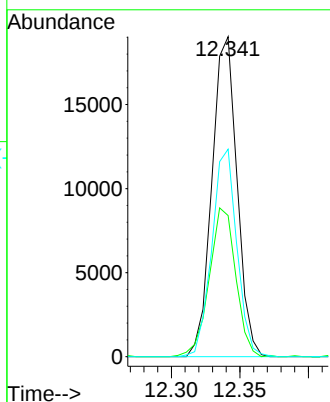
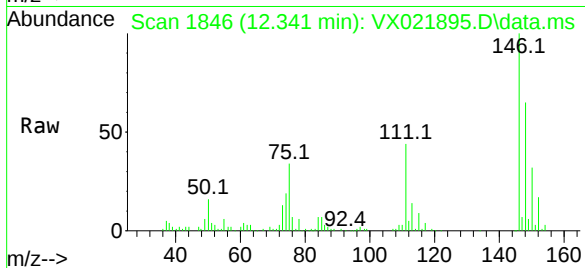




#67
1,2-Dichlorobenzene
Concen: 2.24 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

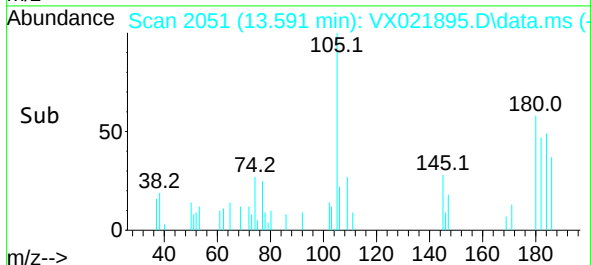
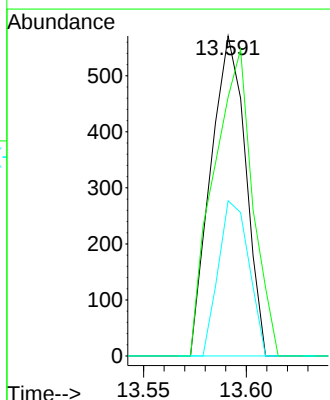
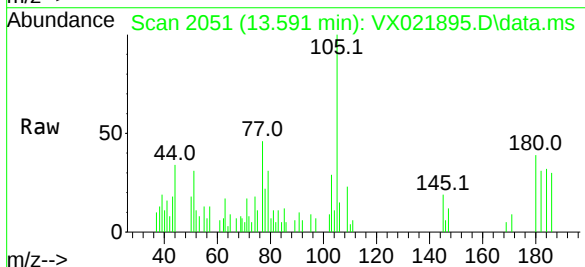
Instrument :
MSVOA_X
ClientSampled :

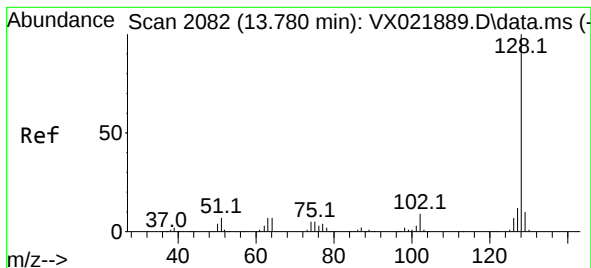
Tgt Ion:146 Resp: 24240
Ion Ratio Lower Upper
146 100
111 44.1 36.2 54.2
148 64.8 49.6 74.4



#70
1,2,4-trichlorobenzene
Concen: 0.09 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion:180 Resp: 672
Ion Ratio Lower Upper
180 100
182 107.1 79.0 118.4
145 42.4 28.2 42.2#

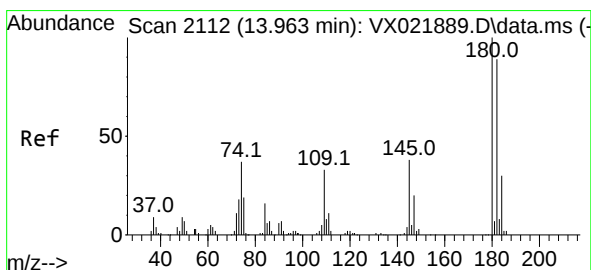
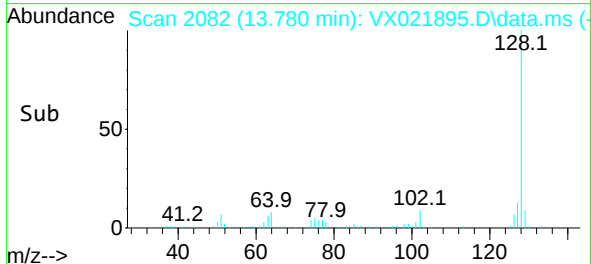
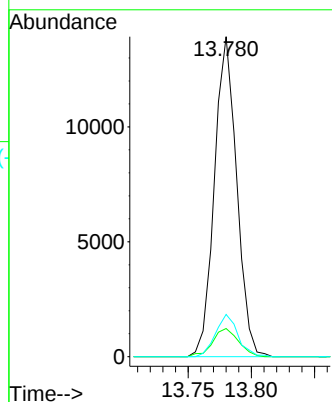
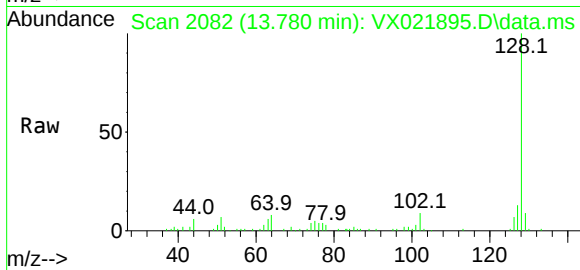




#71
Naphthalene
Concen: 1.10 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:128 Resp: 17034
Ion Ratio Lower Upper
128 100
129 10.2 9.0 13.4
127 13.3 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 0.08 ug/L
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX021895.D
Acq: 11 May 2021 13:42

Tgt Ion:180 Resp: 487
Ion Ratio Lower Upper
180 100
182 85.6 75.3 112.9
145 30.0 30.3 45.5#

