

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021892.D
 Acq On : 11 May 2021 12:32
 Operator : JC/MD
 Sample : M2336-04
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG6L0

Manual Integrations
 APPROVED

MMDadoda
 5/12/2021 11:24:47 AM

Quant Time: May 12 03:38:58 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	81044	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	72461	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	34999	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	32477	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.673	69	27757	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.307	63	40961	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.495	46	75697	47.73	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.46%
24) Chloroform-d	5.068	84	56574	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.964	65	29212	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.983	84	117429	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	7.318	67	36349	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	8.653	98	107671	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloroprop...	8.952	79	16006	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	9.391	63	69184	48.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.88%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	27394	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
66) 1,2-Dichlorobenzene-d4	12.323	152	37034	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	11580	1.45	ug/L	96
19) 1,1-Dichloroethane	3.611	63	26420	2.43	ug/L	98
22) cis-1,2-Dichloroethene	4.495	96	32718	4.81	ug/L	89
27) 1,2-Dichloroethane	6.099	62	6949	1.06	ug/L #	86
29) 1,1,1-Trichloroethane	5.397	97	1057m	0.11	ug/L	
30) Cyclohexane	5.477	56	38810	3.62	ug/L	90
33) Benzene	6.044	78	214488	8.57	ug/L	100
34) Trichloroethene	7.129	95	7955	1.22	ug/L	95
35) Methylcyclohexane	7.385	83	27598	2.48	ug/L	89
42) Toluene	8.720	91	223708	8.41	ug/L	98
47) Tetrachloroethene	9.275	164	1333	0.31	ug/L	88
51) Chlorobenzene	10.086	112	142410	8.63	ug/L	99
52) Ethylbenzene	10.195	91	760047	25.60	ug/L	99
53) m,p-xylene	10.305	106	1227902	107.55	ug/L	99
54) o-xylene	10.647	106	825609	74.86	ug/L	92
60) Isopropylbenzene	10.964	105	170060	5.70	ug/L	99
62) 1,3,5-Trimethylbenzene	11.457	105	293262	11.71	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	1091139	42.27	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	6831	0.56	ug/L	97

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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)
65) 1,4-Dichlorobenzene	12.043	146	17899	1.47	ug/L	96
67) 1,2-Dichlorobenzene	12.341	146	236191	21.06	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	4664	0.63	ug/L #	81
72) 1,2,3-Trichlorobenzene	13.963	180	1728	0.26	ug/L #	86

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

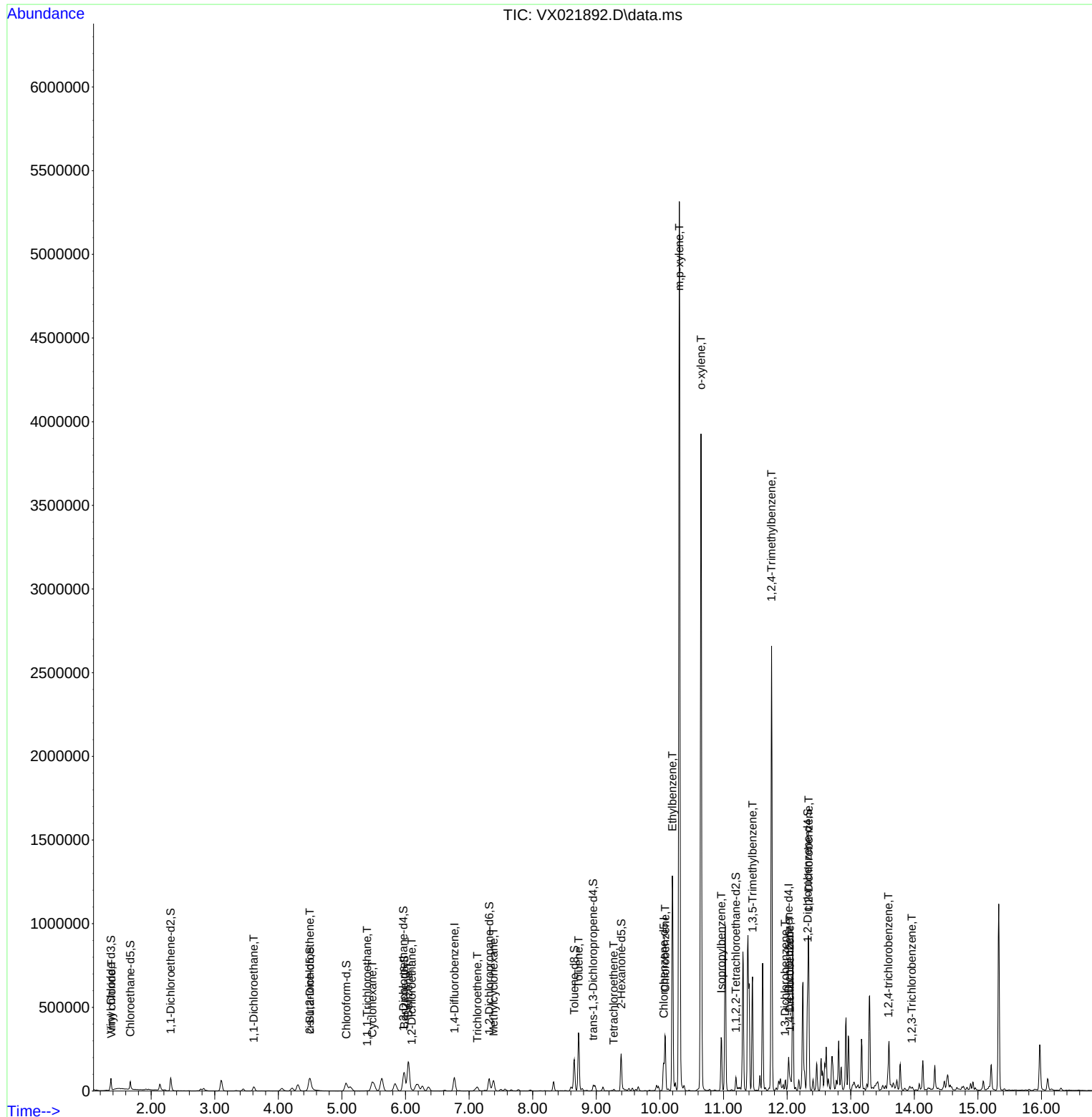
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Data File : VX021892.D
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Operator : JC/MD
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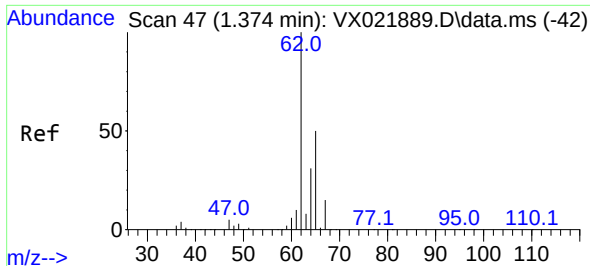
Instrument :
MSVOA_X
ClientSampleId :
BG6L0

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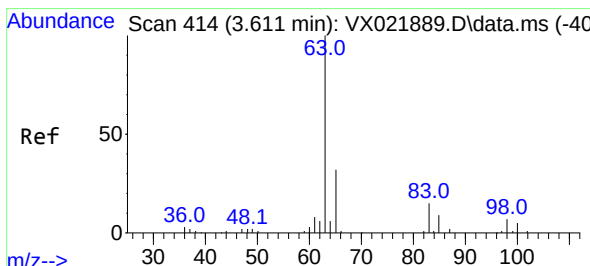
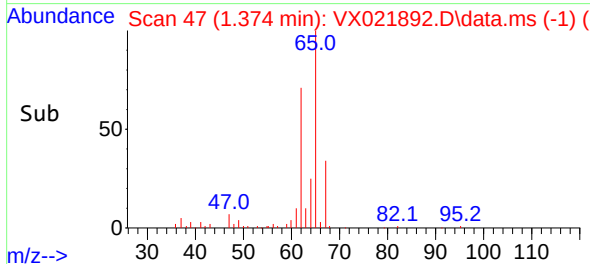
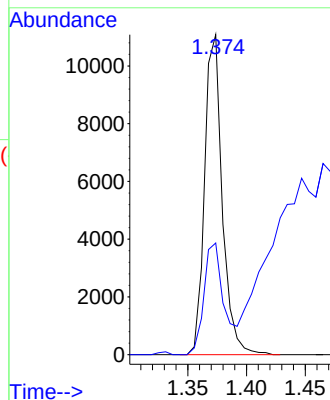
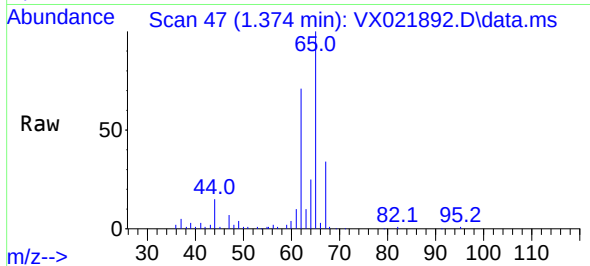
#5
 Vinyl chloride
 Concen: 1.45 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX021892.D
 Acq: 11 May 2021 12:32

Tgt Ion: 62 Resp: 11580
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.7 42.1

Instrument :
 MSVOA_X
 ClientSampled :
 BG6L0

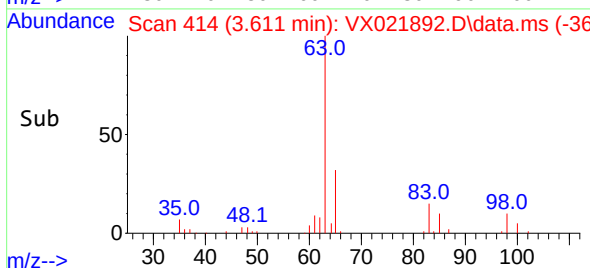
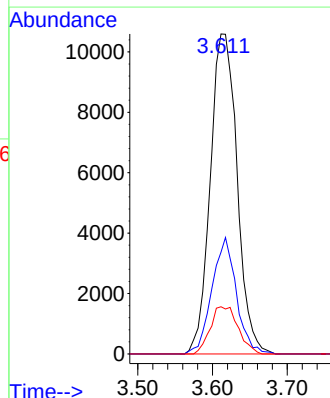
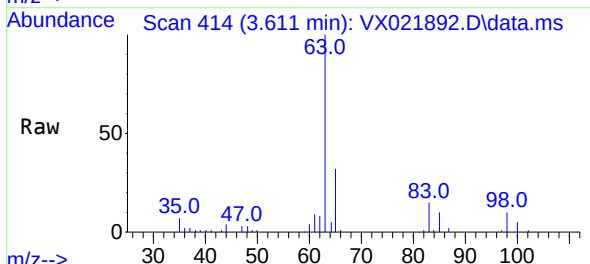
Manual Integrations
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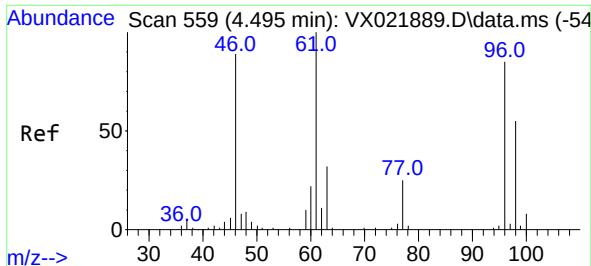
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#19
 1,1-Dichloroethane
 Concen: 2.43 ug/L
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX021892.D
 Acq: 11 May 2021 12:32

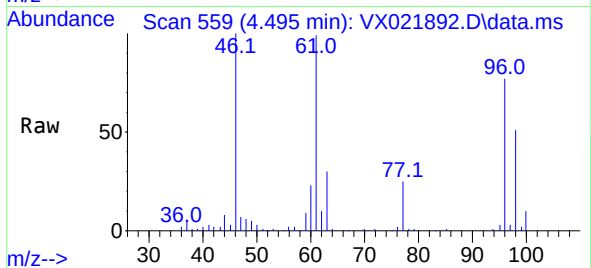
Tgt Ion: 63 Resp: 26420
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.9
 83 14.8 8.7 16.1





#22
cis-1,2-Dichloroethene
Concen: 4.81 ug/L
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

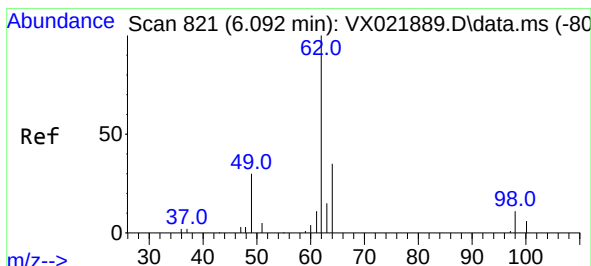
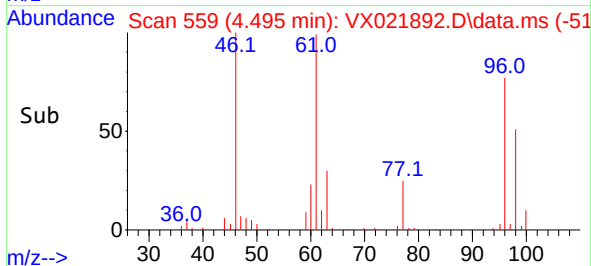
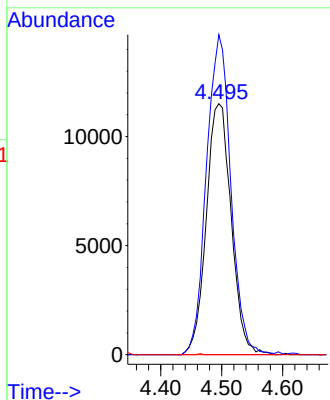
Instrument :
MSVOA_X
ClientSampled :
BG6L0



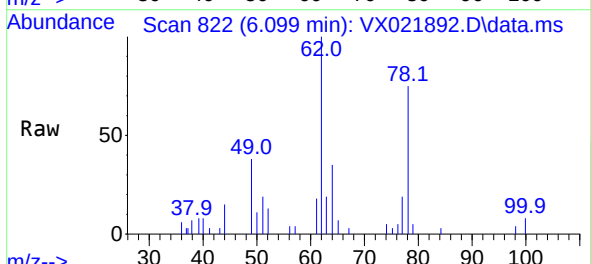
Tgt Ion: 96 Resp: 32718
Ion Ratio Lower Upper
96 100
61 127.5 80.9 150.3
68 0.0 0.0 0.0

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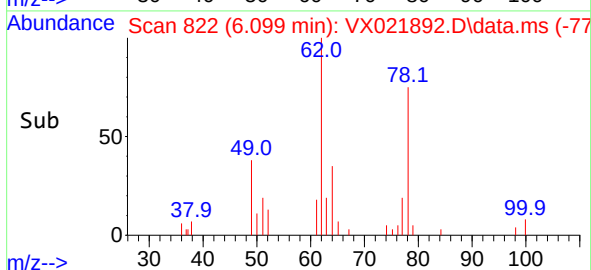
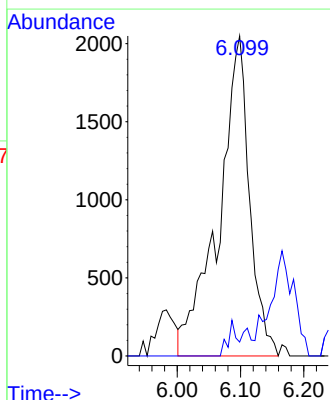
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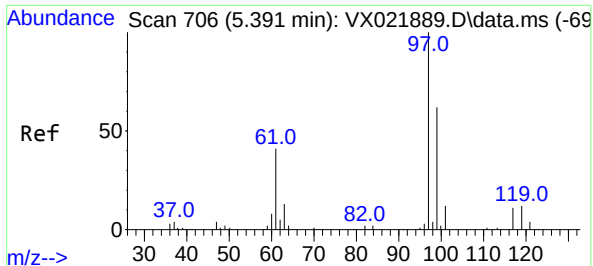


#27
1,2-Dichloroethane
Concen: 1.06 ug/L
RT: 6.099 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32



Tgt Ion: 62 Resp: 6949
Ion Ratio Lower Upper
62 100
98 4.4 7.8 11.6#





#29

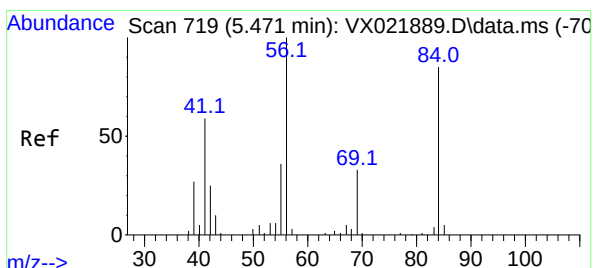
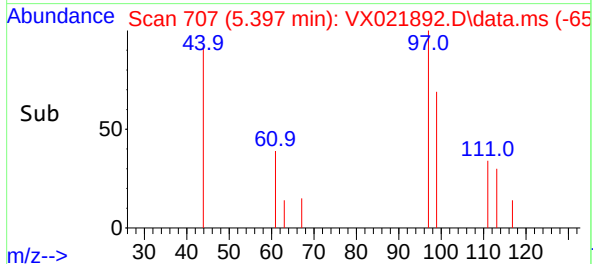
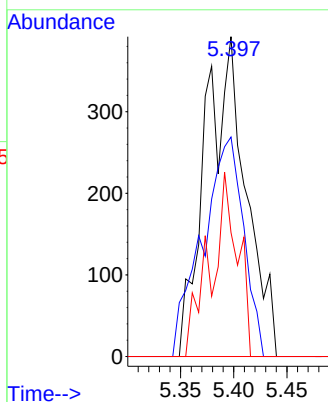
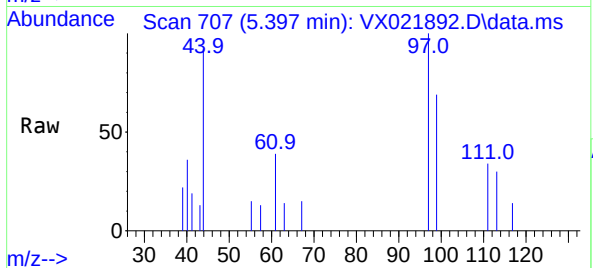
1,1,1-Trichloroethane
Concen: 0.11 ug/L m
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Instrument :
MSVOA_X
ClientSampled :
BG6L0

Tgt Ion: 97 Resp: 1057
Ion Ratio Lower Upper
97 100
99 68.6 51.4 77.0
61 38.0 35.4 53.2

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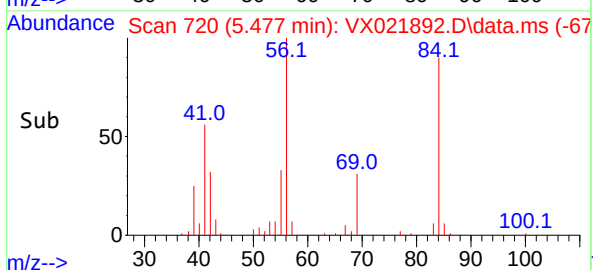
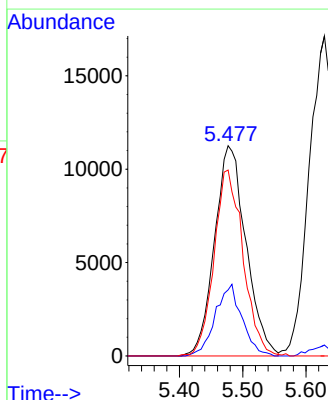
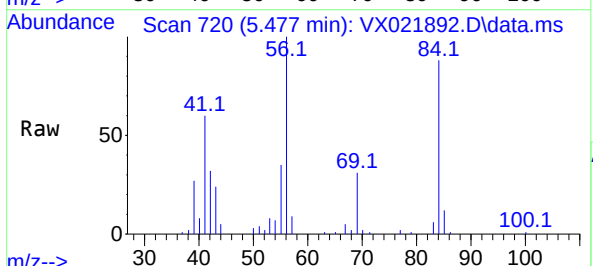
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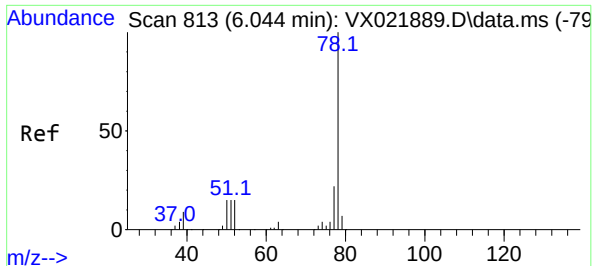


#30

Cyclohexane
Concen: 3.62 ug/L
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion: 56 Resp: 38810
Ion Ratio Lower Upper
56 100
69 29.0 26.6 39.8
84 81.8 73.3 109.9





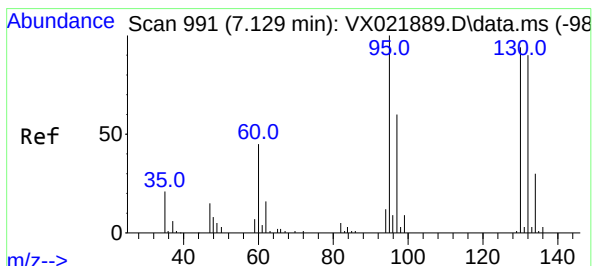
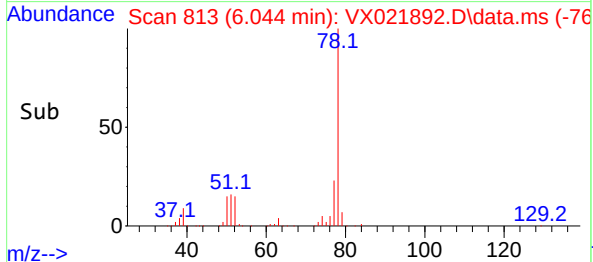
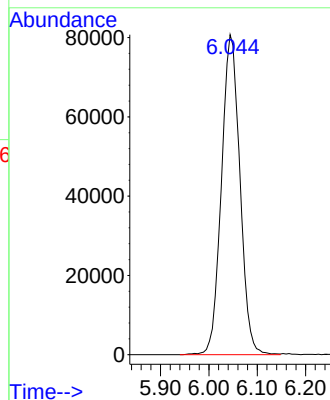
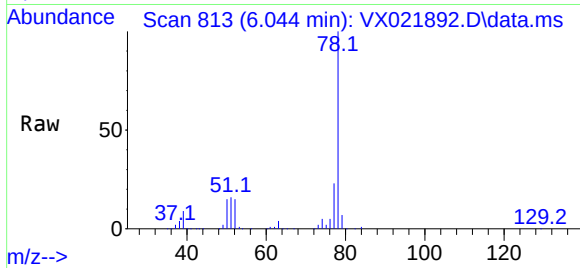
#33
Benzene
Concen: 8.57 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion: 78 Resp: 214488

Instrument :
MSVOA_X
ClientSampled :
BG6L0

Manual Integrations
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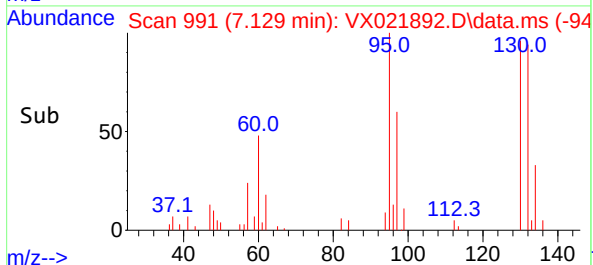
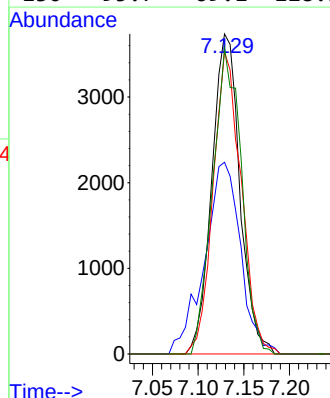
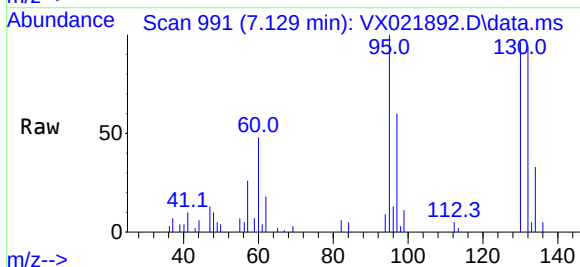
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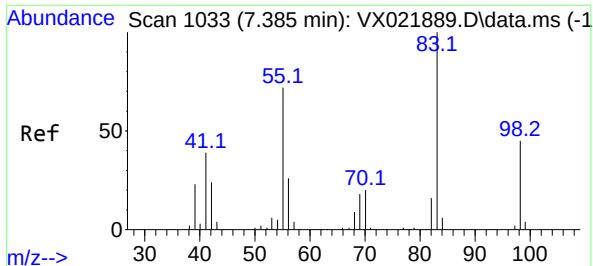


#34
Trichloroethene
Concen: 1.22 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

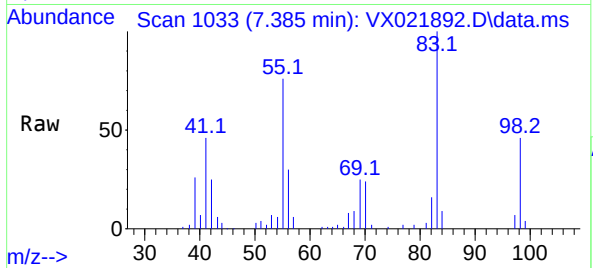
Tgt Ion: 95 Resp: 7955

Ion	Ratio	Lower	Upper
95	100		
97	59.9	48.6	90.2
132	94.4	67.3	125.1
130	95.7	69.1	128.3

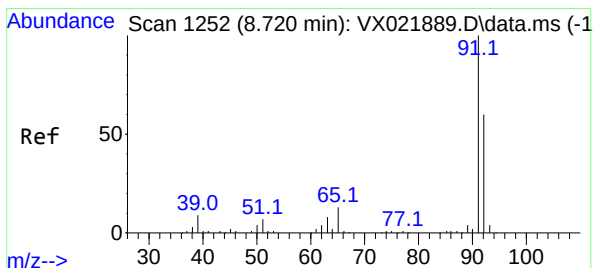
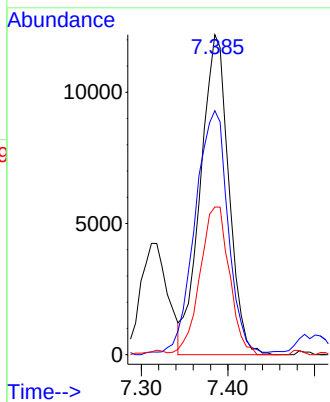
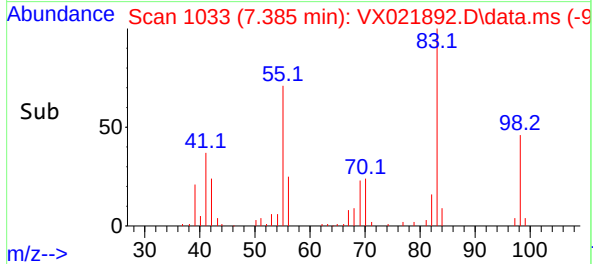




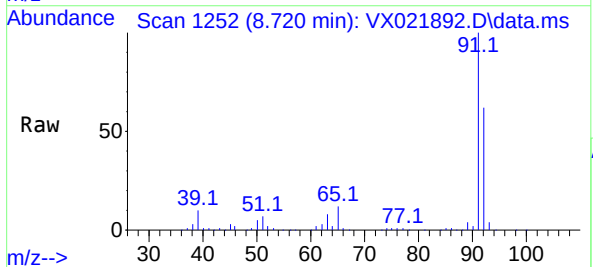
#35
Methylcyclohexane
Concen: 2.48 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX021892.D
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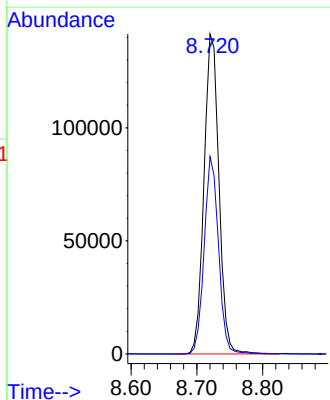
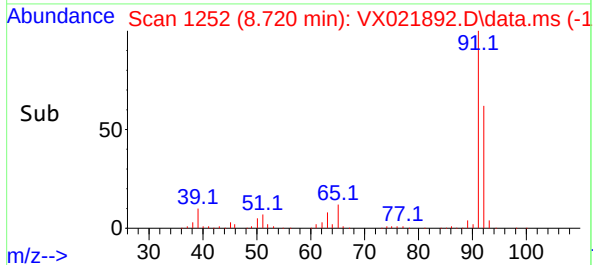
Tgt Ion: 83 Resp: 27598
Ion Ratio Lower Upper
83 100
55 89.6 60.3 90.5
98 48.2 39.4 59.2



#42
Toluene
Concen: 8.41 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32



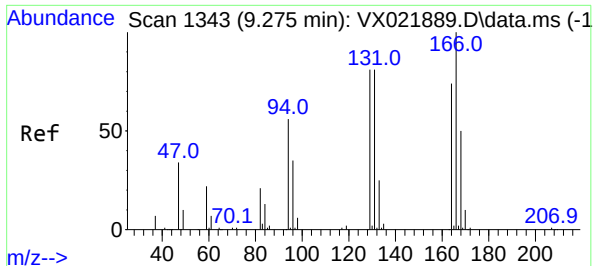
Tgt Ion: 91 Resp: 223708
Ion Ratio Lower Upper
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92 61.7 42.1 78.3



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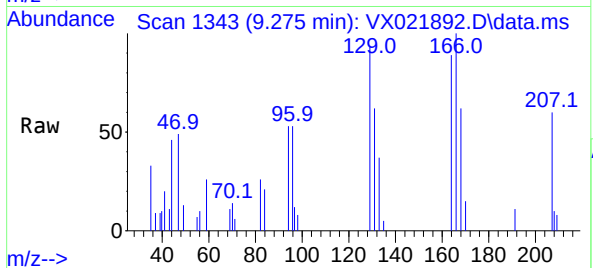
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#47
Tetrachloroethene
Concen: 0.31 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

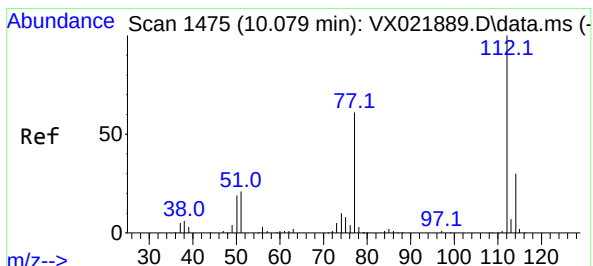
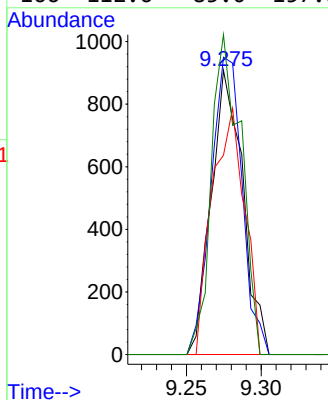
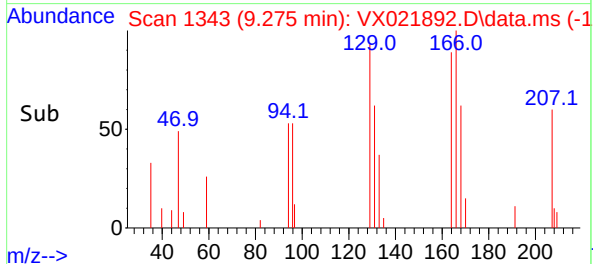
Instrument :
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ClientSampled :
BG6L0



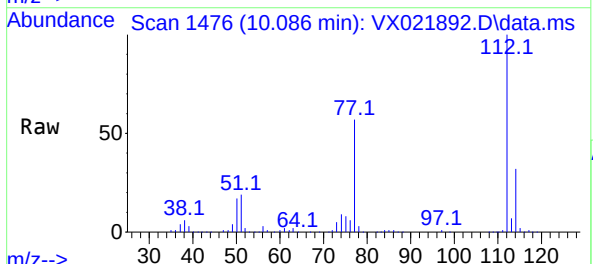
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Ion Ratio Lower Upper
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131 70.2 69.1 128.3
166 112.6 85.0 157.8

Manual Integrations
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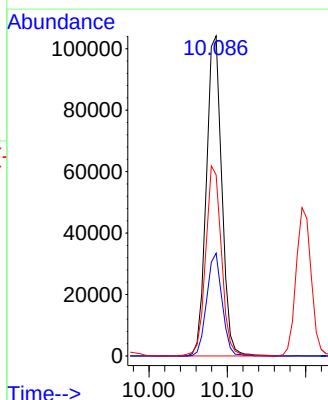
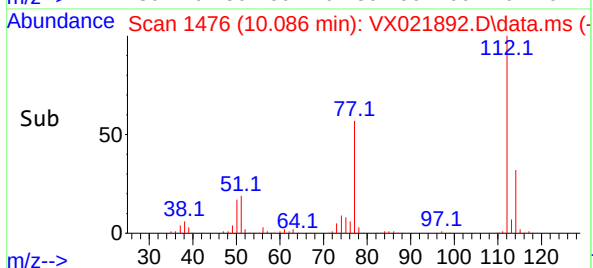
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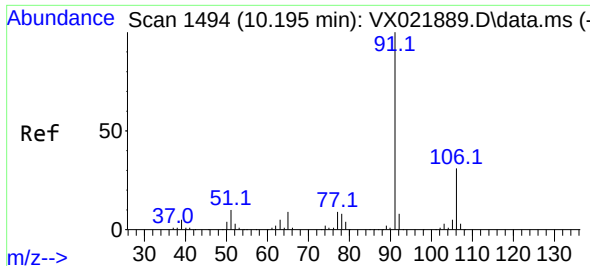


#51
Chlorobenzene
Concen: 8.63 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32



Tgt Ion:112 Resp: 142410
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 56.6 46.4 69.6





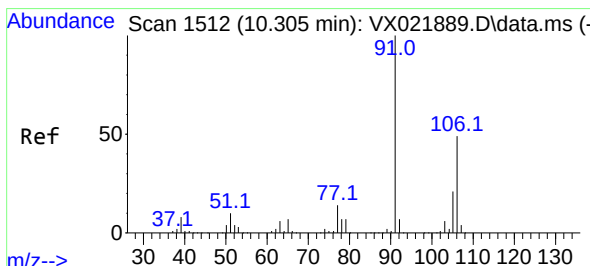
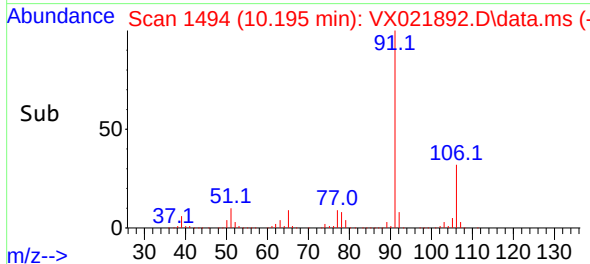
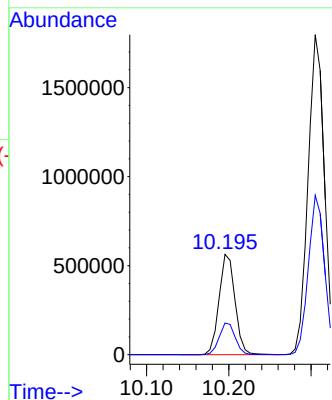
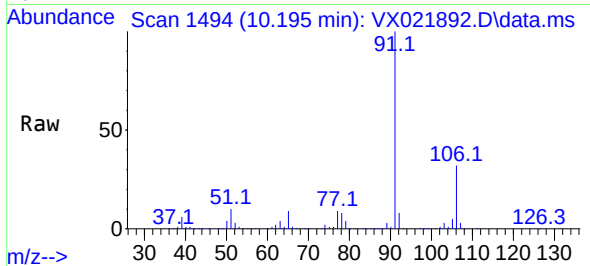
#52
Ethylbenzene
Concen: 25.60 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion: 91 Resp: 760047
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0

Instrument :
MSVOA_X
ClientSampled :
BG6L0

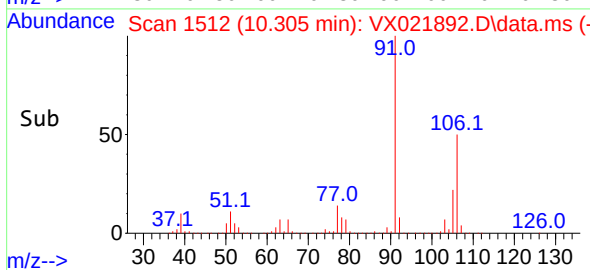
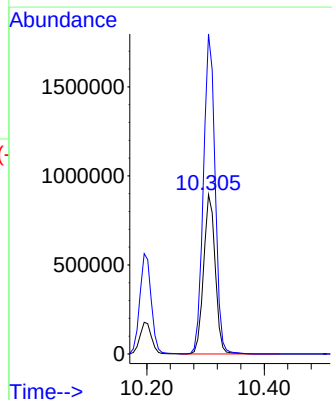
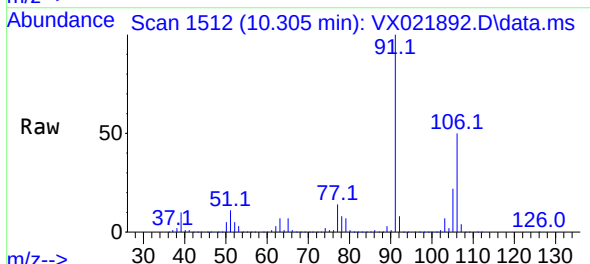
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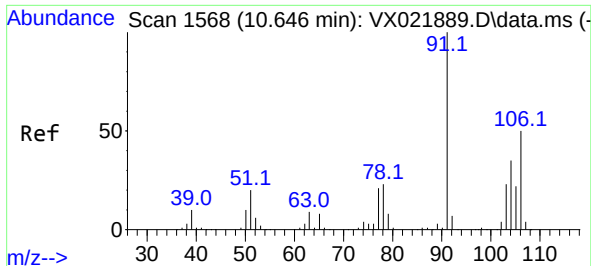
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5/12/2021 11:24:47 AM



#53
m,p-xylene
Concen: 107.55 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion: 106 Resp: 1227902
Ion Ratio Lower Upper
106 100
91 200.9 141.7 263.3





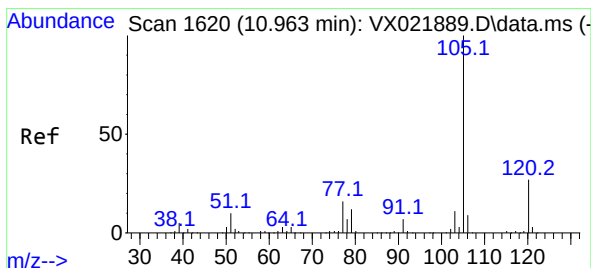
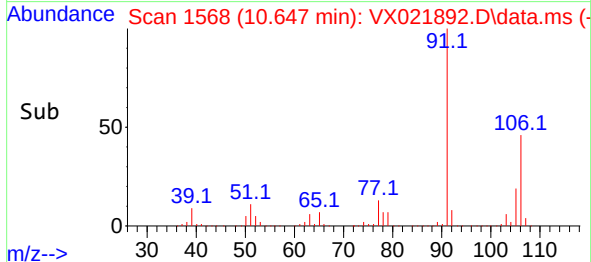
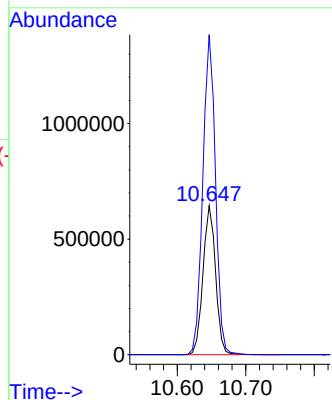
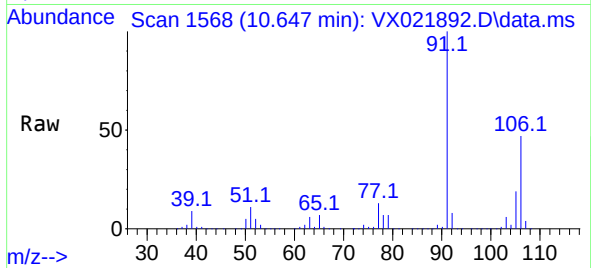
#54
o-xylene
Concen: 74.86 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Instrument :
MSVOA_X
ClientSampled :
BG6L0

Tgt Ion:106 Resp: 825609
Ion Ratio Lower Upper
106 100
91 214.9 142.0 263.8

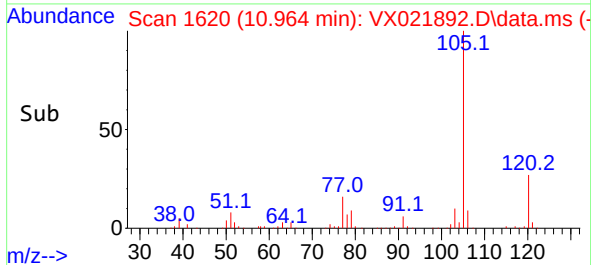
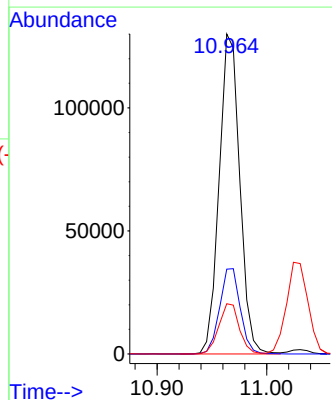
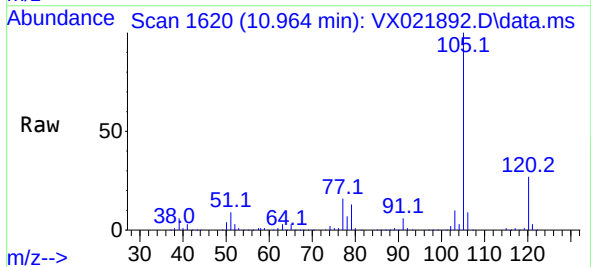
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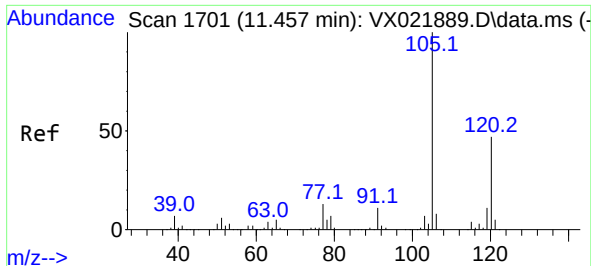
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#60
Isopropylbenzene
Concen: 5.70 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:105 Resp: 170060
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.7 12.4 18.6





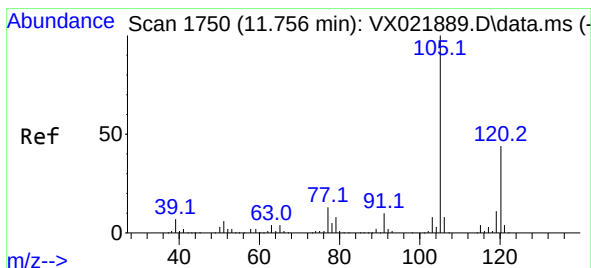
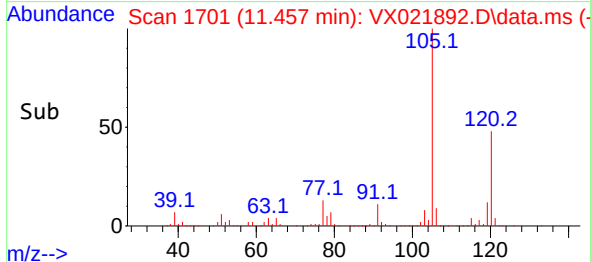
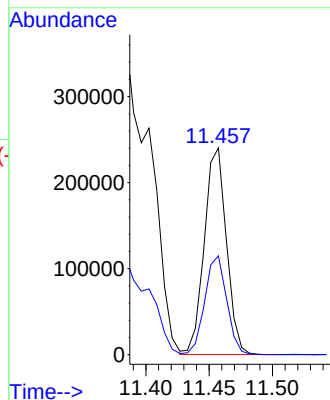
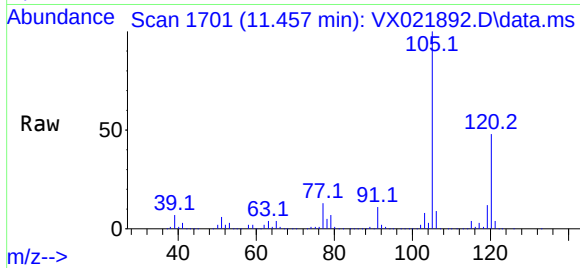
#62
1,3,5-Trimethylbenzene
Concen: 11.71 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:105 Resp: 293262
Ion Ratio Lower Upper
105 100
120 47.4 38.4 57.6

Instrument :
MSVOA_X
ClientSampled :
BG6L0

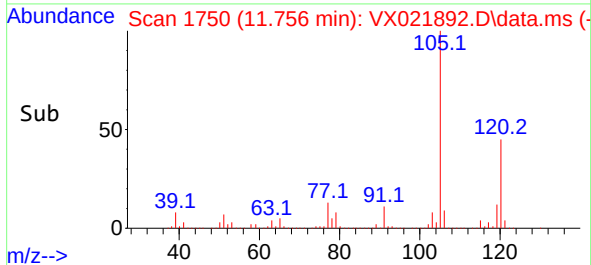
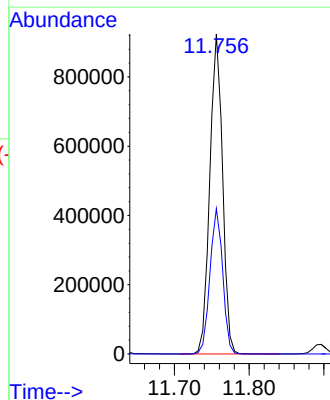
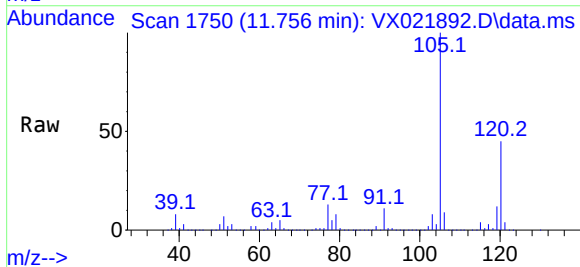
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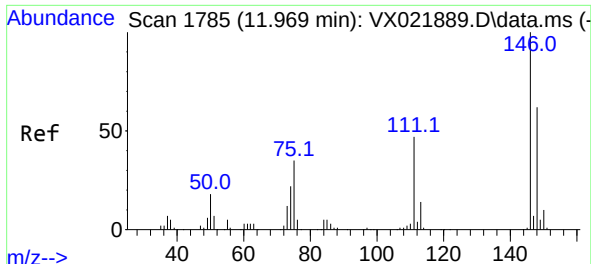
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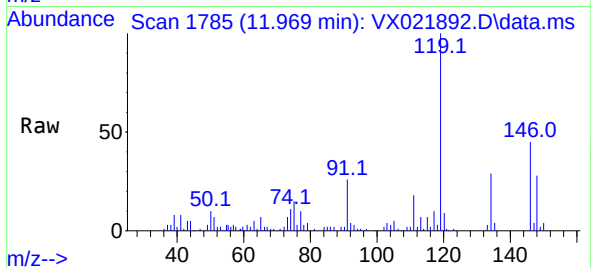
#63
1,2,4-Trimethylbenzene
Concen: 42.27 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:105 Resp: 1091139
Ion Ratio Lower Upper
105 100
120 45.4 36.4 54.6

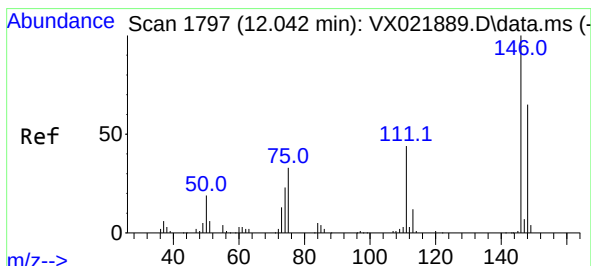
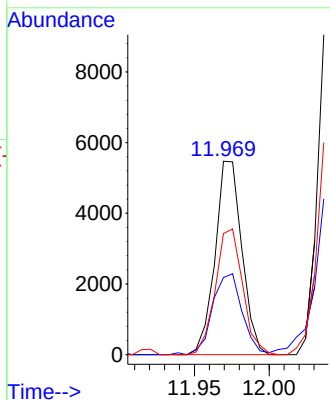
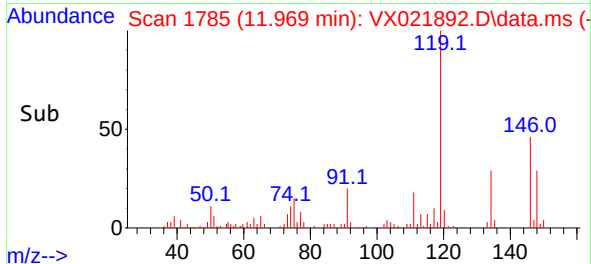




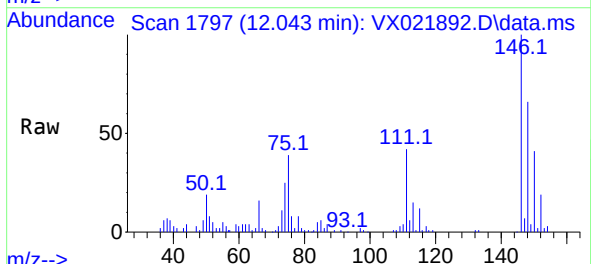
#64
1,3-Dichlorobenzene
Concen: 0.56 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32



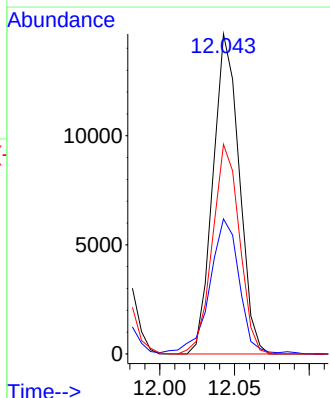
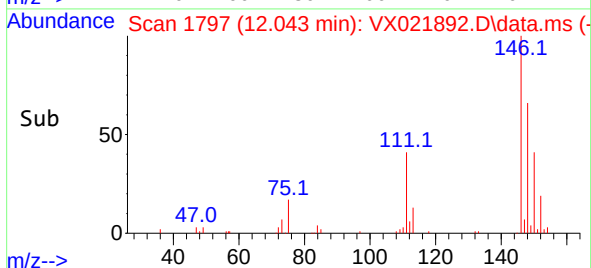
Tgt Ion:146 Resp: 6831
Ion Ratio Lower Upper
146 100
111 39.8 30.8 57.2
148 62.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 1.47 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32



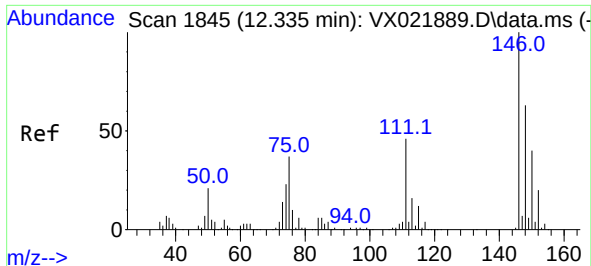
Tgt Ion:146 Resp: 17899
Ion Ratio Lower Upper
146 100
111 42.2 30.4 56.5
148 65.5 43.2 80.2



Instrument :
MSVOA_X
ClientSampled :
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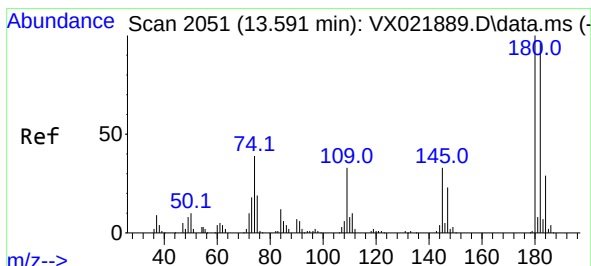
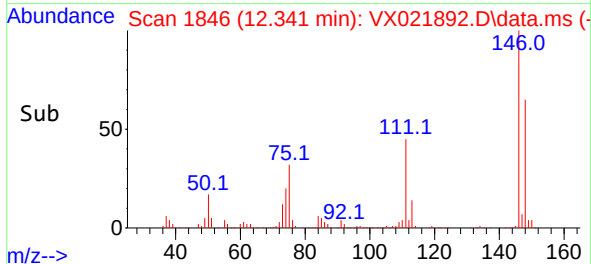
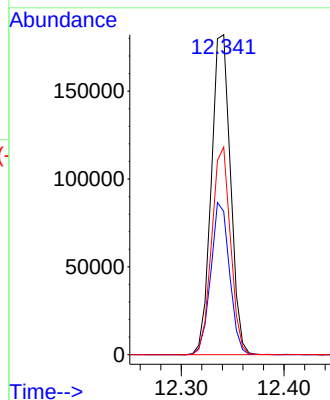
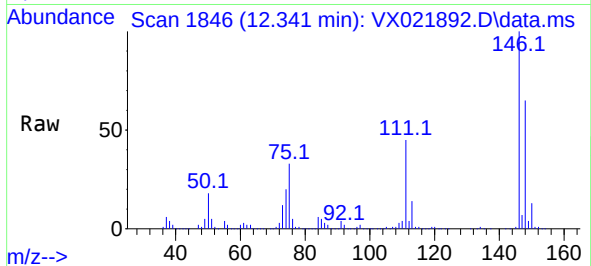
#67
1,2-Dichlorobenzene
Concen: 21.06 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:146 Resp: 236191
Ion Ratio Lower Upper
146 100
111 44.8 36.2 54.2
148 64.9 49.6 74.4

Instrument :
MSVOA_X
ClientSampled :
BG6L0

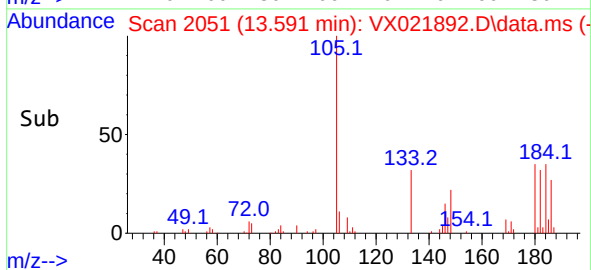
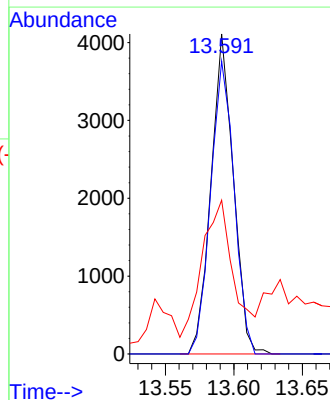
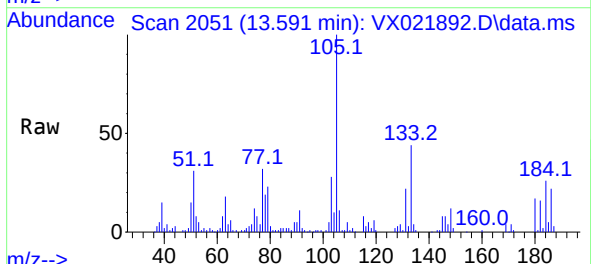
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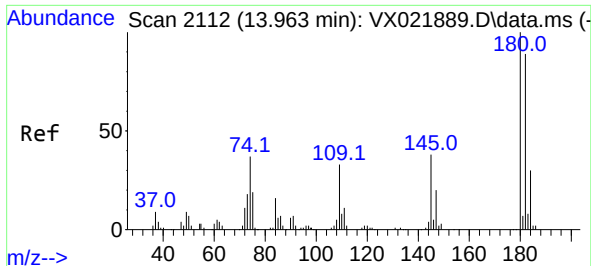
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#70
1,2,4-trichlorobenzene
Concen: 0.63 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:180 Resp: 4664
Ion Ratio Lower Upper
180 100
182 95.8 79.0 118.4
145 73.2 28.2 42.2#





#72
1,2,3-Trichlorobenzene
Concen: 0.26 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX021892.D
Acq: 11 May 2021 12:32

Tgt Ion:180 Resp: 1728
Ion Ratio Lower Upper
180 100
182 97.3 75.3 112.9
145 62.3 30.3 45.5#

Instrument :
MSVOA_X
ClientSampled :
BG6L0

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