

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021302.D
 Acq On : 19 Mar 2021 15:16
 Operator : JC/MD
 Sample : M1690-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MC-WC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:35:53 AM

Quant Time: Mar 19 15:56:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	78742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	127547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	102368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	41071	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60739	47.03	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.06%		
35) Dibromofluoromethane	5.464	113	43349	49.95	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.90%		
50) Toluene-d8	8.694	98	154264	48.99	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.98%		
62) 4-Bromofluorobenzene	11.118	95	50822	41.56	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.12%		
Target Compounds					Qvalue	
16) Acetone	2.423	43	13911	29.27	ug/l	89
17) Carbon Disulfide	2.552	76	2023	1.39	ug/l	97
25) 2-Butanone	4.641	43	2879	3.94	ug/l	91
39) Methylcyclohexane	7.435	83	1549	1.09	ug/l	94
65) Chlorobenzene	10.118	112	4097	1.95	ug/l	97
73) Isopropylbenzene	11.000	105	19455	6.38	ug/l	100
78) n-propylbenzene	11.341	91	43855	12.29	ug/l	96
79) 2-Chlorotoluene	11.400	91	4401	2.03	ug/l	87
80) 1,3,5-Trimethylbenzene	11.489	105	3586	1.39	ug/l	97
83) tert-Butylbenzene	11.753	119	5818	2.37	ug/l	76
84) 1,2,4-Trimethylbenzene	11.789	105	10453	3.98	ug/l	97
85) sec-Butylbenzene	11.930	105	29003	10.01	ug/l	99
88) 1,4-Dichlorobenzene	12.077	146	1779m	1.32	ug/l	
89) n-Butylbenzene	12.371	91	18379	7.60	ug/l #	76
91) 1,2-Dichlorobenzene	12.371	146	1522	1.18	ug/l	88
95) Naphthalene	13.818	128	8435	2.90	ug/l #	87

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

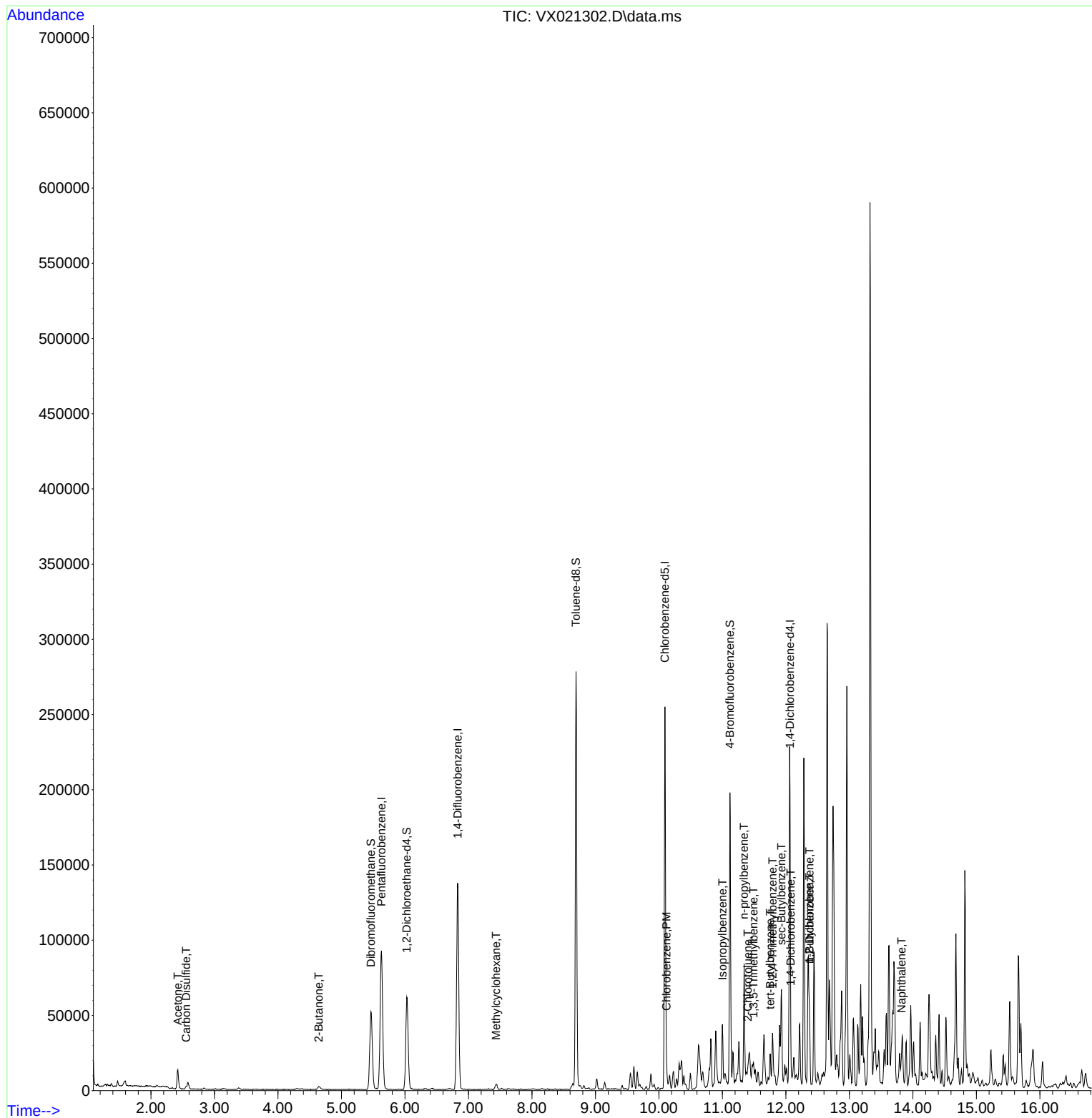
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
Data File : VX021302.D
Acq On : 19 Mar 2021 15:16
Operator : JC/MD
Sample : M1690-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

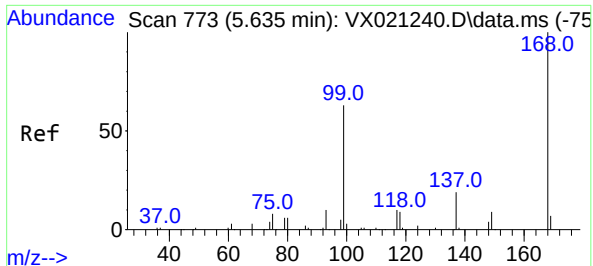
Instrument :
MSVOA_X
ClientSampleId :
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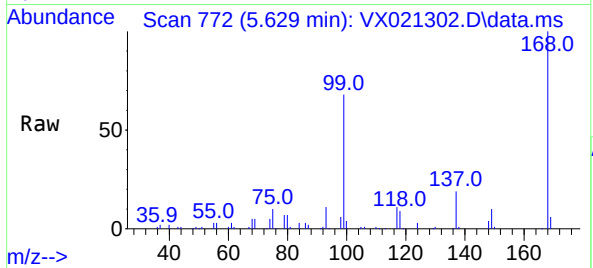
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3/22/2021 11:35:53 AM

Quant Time: Mar 19 15:56:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

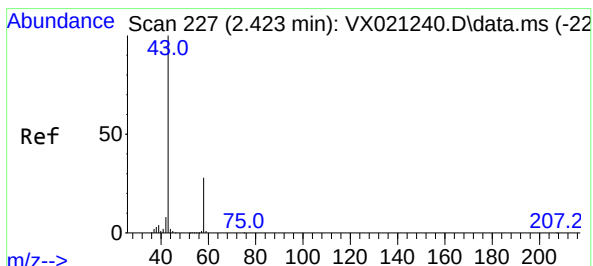
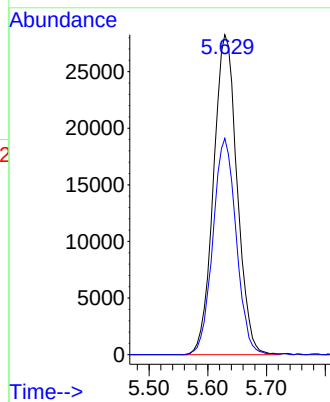
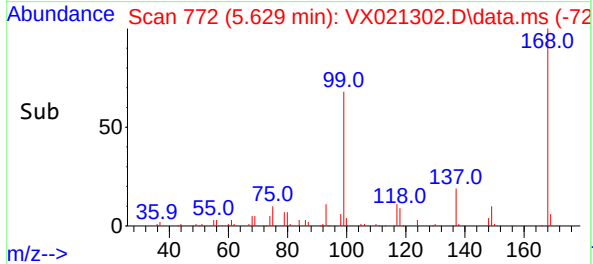




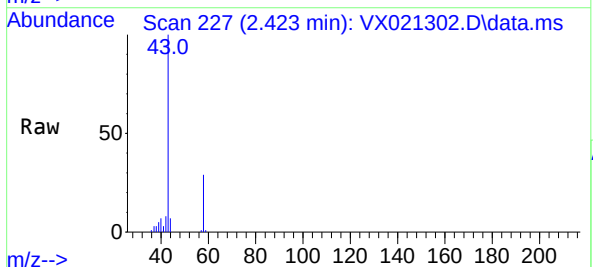
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



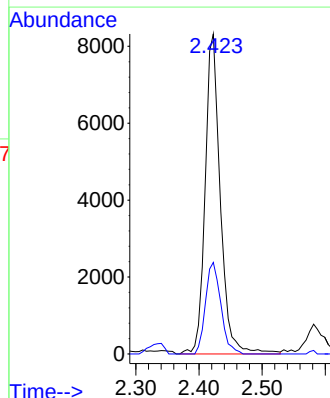
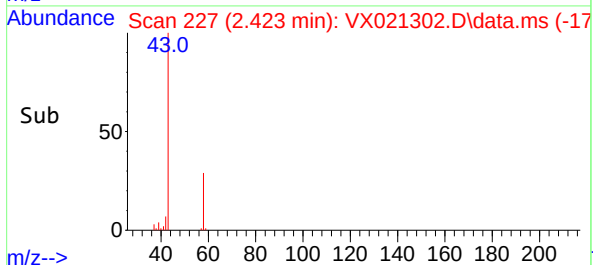
Tgt Ion: 168 Resp: 78742
Ion Ratio Lower Upper
168 100
99 67.6 45.8 68.6



#16
Acetone
Concen: 29.27 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



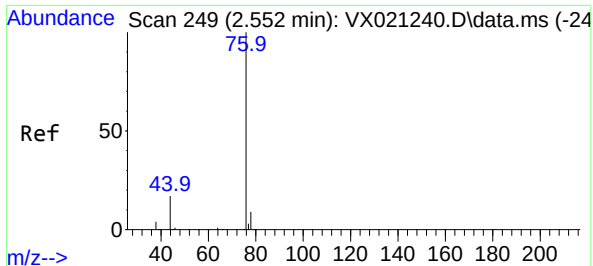
Tgt Ion: 43 Resp: 13911
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



Instrument :
MSVOA_X
ClientSampleId :
MC-WC

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#17

Carbon Disulfide

Concen: 1.39 ug/l

RT: 2.552 min Scan# 249

Delta R.T. 0.000 min

Lab File: VX021302.D

Acq: 19 Mar 2021 15:16

Tgt Ion: 76 Resp: 2023

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8

Instrument :

MSVOA_X

ClientSampleId :

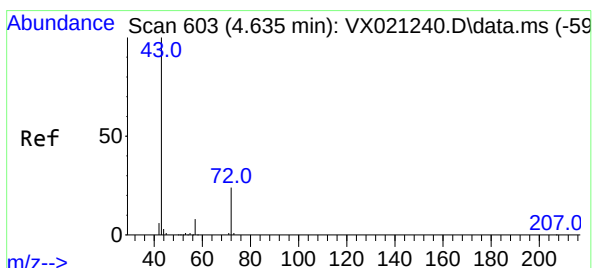
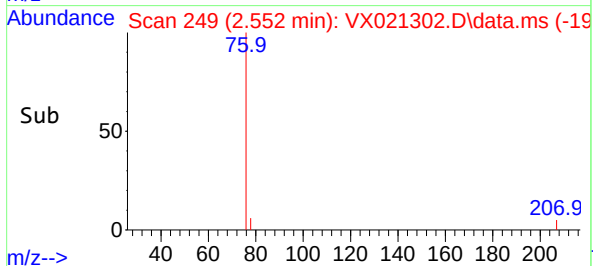
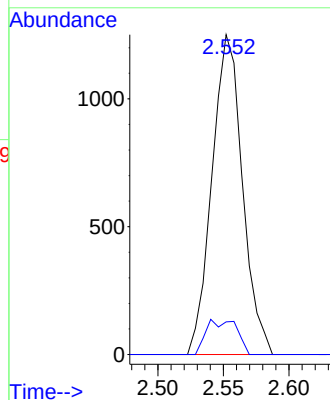
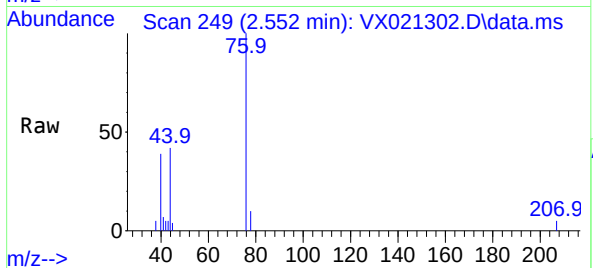
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#25

2-Butanone

Concen: 3.94 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021302.D

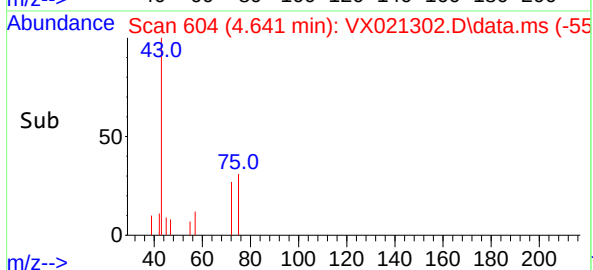
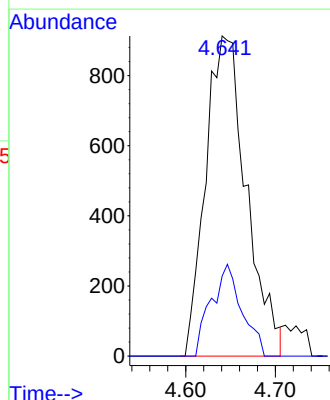
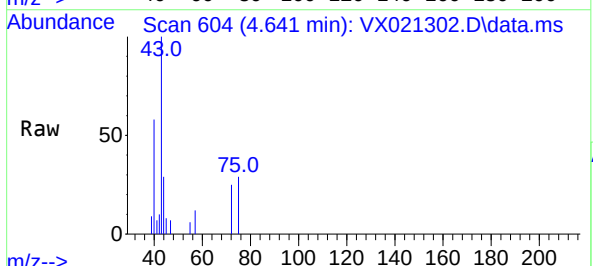
Acq: 19 Mar 2021 15:16

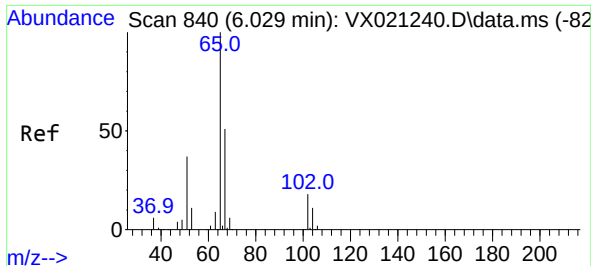
Tgt Ion: 43 Resp: 2879

Ion Ratio Lower Upper

43 100

72 25.0 23.7 35.5





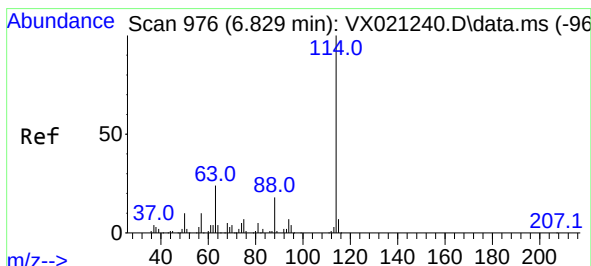
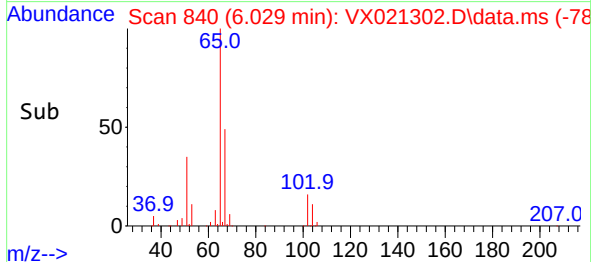
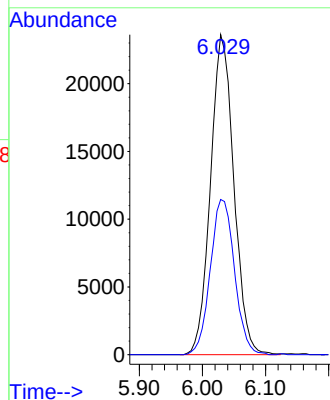
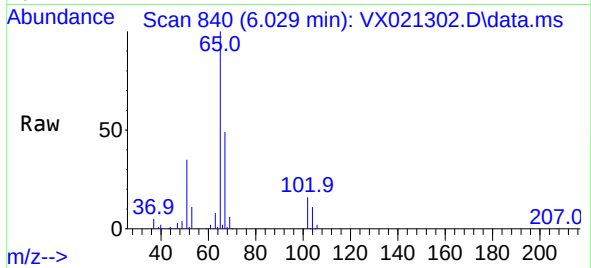
#33
1,2-Dichloroethane-d4
Concen: 47.03 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion: 65 Resp: 60739
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

Instrument :
MSVOA_X
ClientSampled :
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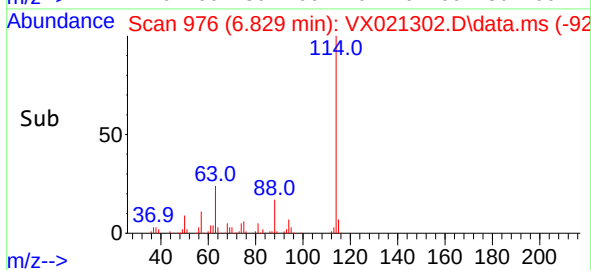
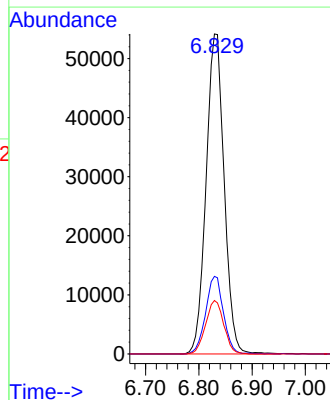
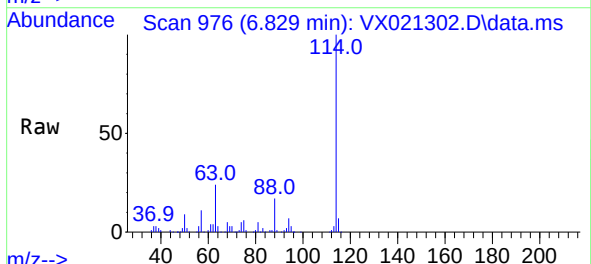
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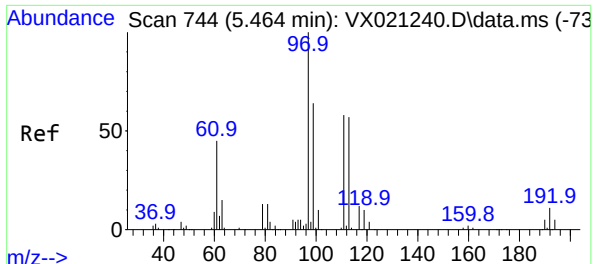
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

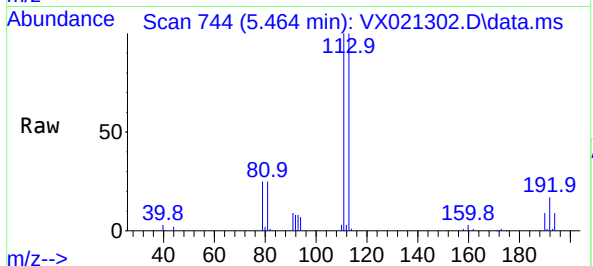
Tgt Ion: 114 Resp: 127547
Ion Ratio Lower Upper
114 100
63 24.3 0.0 40.8
88 16.7 0.0 32.8





#35
Dibromofluoromethane
Concen: 49.95 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

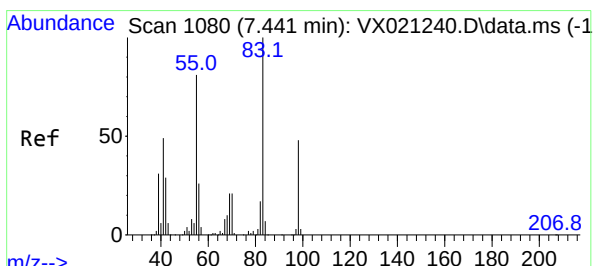
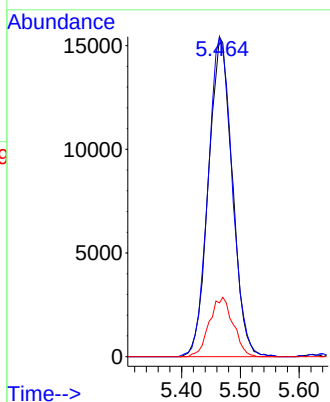
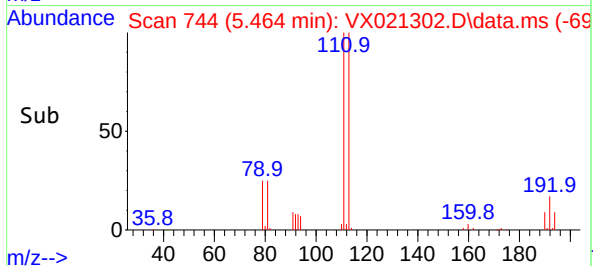
Instrument :
MSVOA_X
ClientSampled :
MC-WC



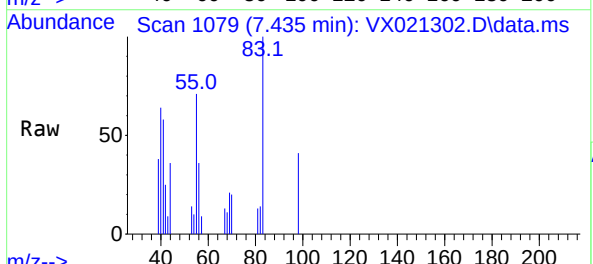
Tgt Ion: 113 Resp: 43349
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.5 16.7 25.1

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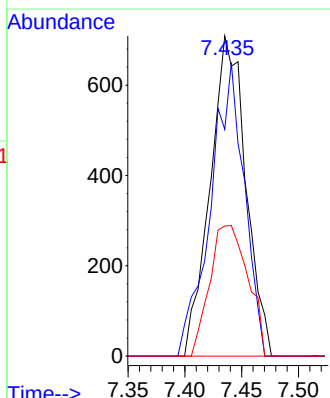
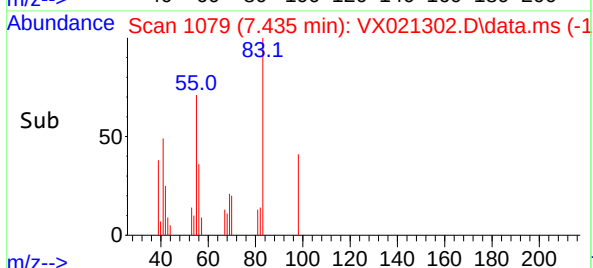
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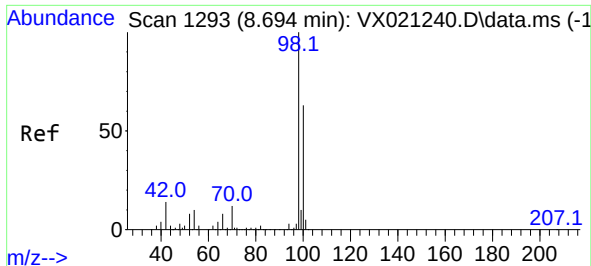


#39
Methylcyclohexane
Concen: 1.09 ug/l
RT: 7.435 min Scan# 1079
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



Tgt Ion: 83 Resp: 1549
Ion Ratio Lower Upper
83 100
55 70.8 58.9 88.3
98 40.6 38.1 57.1





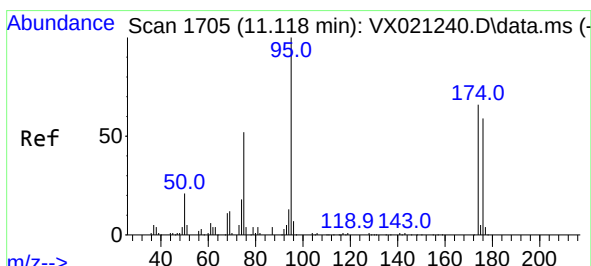
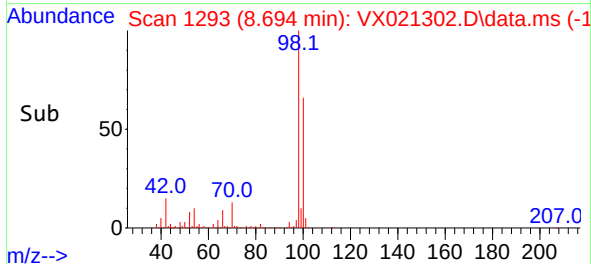
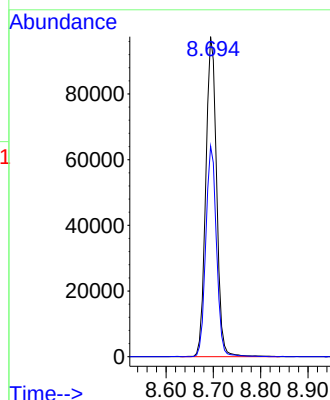
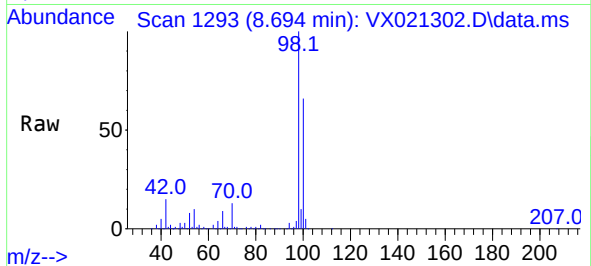
#50
Toluene-d8
Concen: 48.99 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

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Tgt Ion: 98 Resp: 154264
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

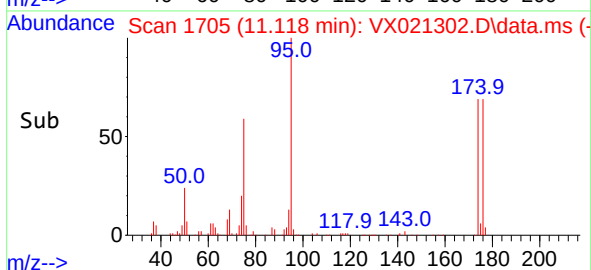
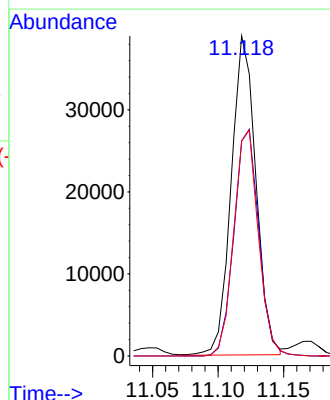
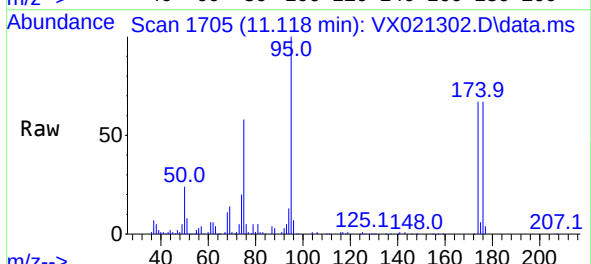
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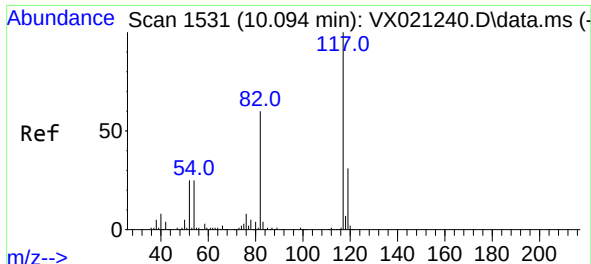
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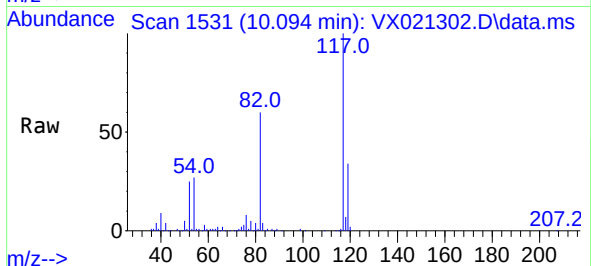
#62
4-Bromofluorobenzene
Concen: 41.56 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion: 95 Resp: 50822
Ion Ratio Lower Upper
95 100
174 71.9 0.0 154.6
176 70.8 0.0 155.8

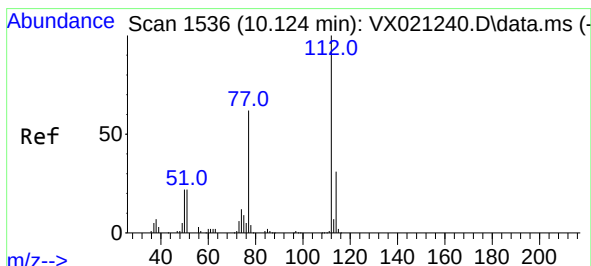
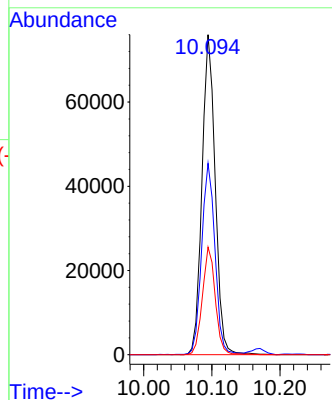
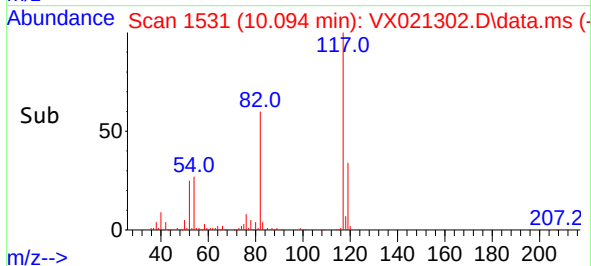




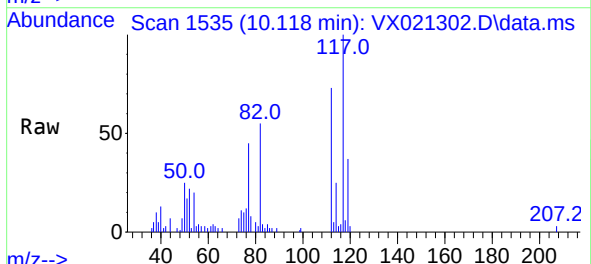
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



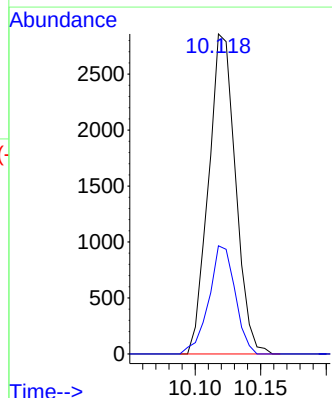
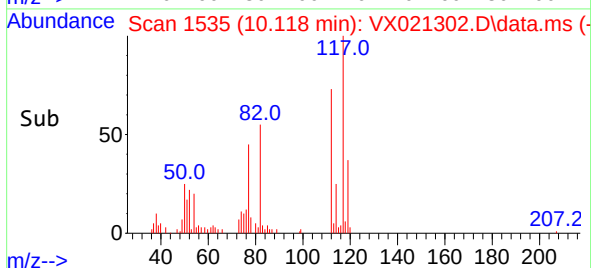
Tgt Ion:117 Resp: 102368
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 33.6 26.6 39.8



#65
Chlorobenzene
Concen: 1.95 ug/l
RT: 10.118 min Scan# 1535
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



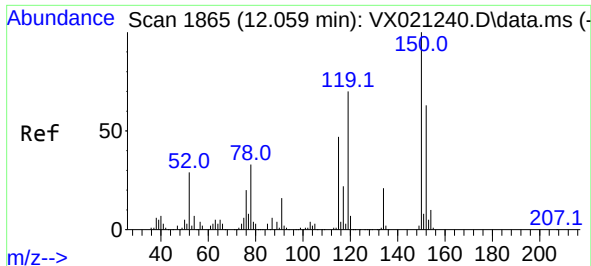
Tgt Ion:112 Resp: 4097
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.6



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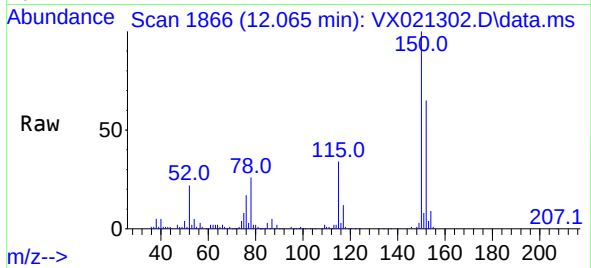
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

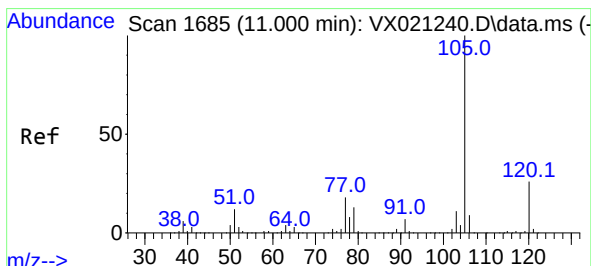
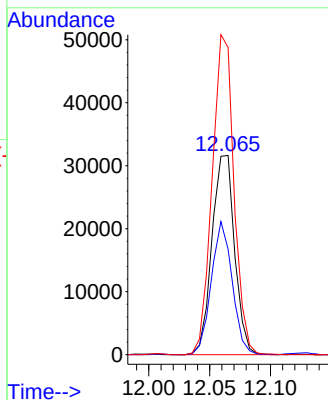
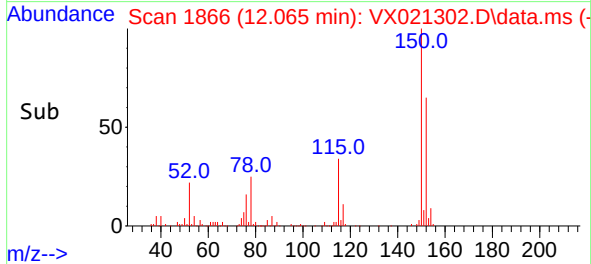
Instrument :
MSVOA_X
ClientSampleId :
MC-WC



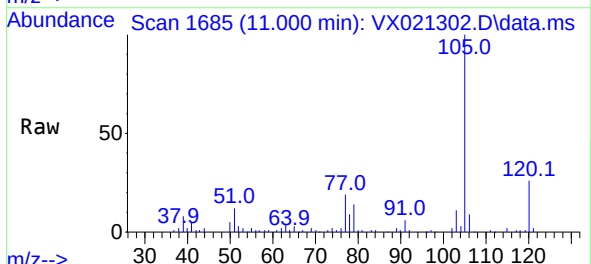
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Ion Ratio Lower Upper
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150 154.1 0.0 349.0

Manual Integrations
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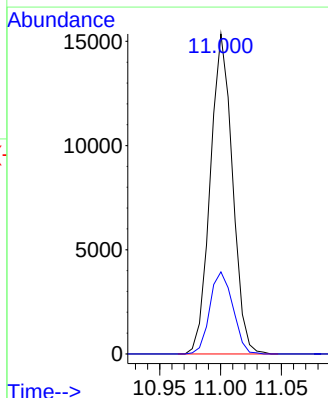
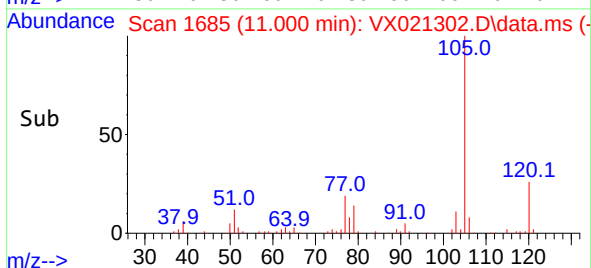
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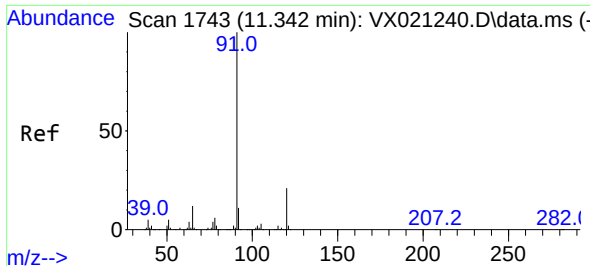


#73
Isopropylbenzene
Concen: 6.38 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



Tgt Ion:105 Resp: 19455
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.6





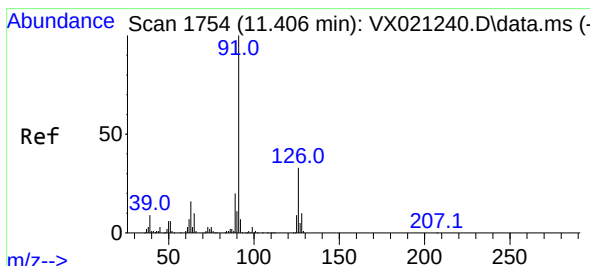
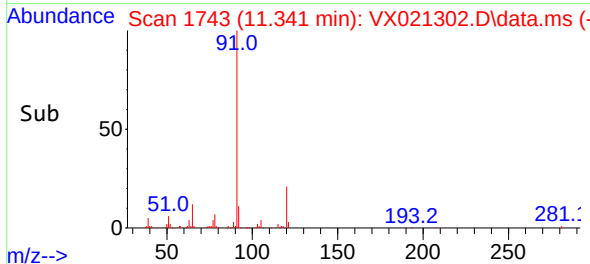
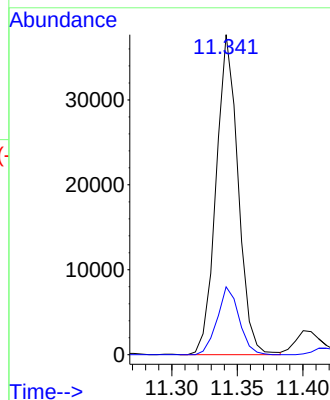
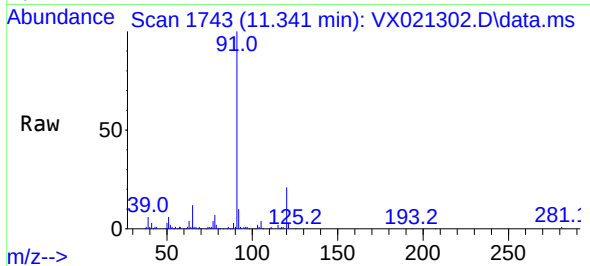
#78
n-propylbenzene
Concen: 12.29 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.001 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion: 91 Resp: 43855
Ion Ratio Lower Upper
91 100
120 21.1 11.5 34.5

Instrument :
MSVOA_X
ClientSampled :
MC-WC

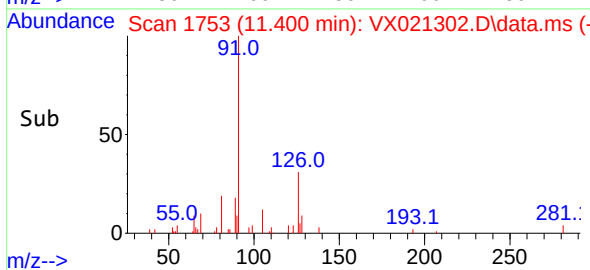
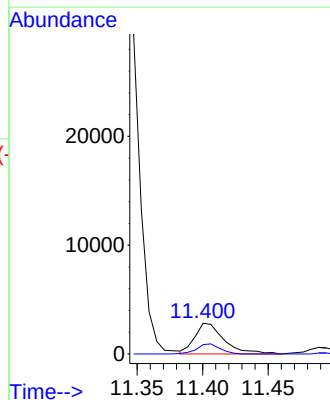
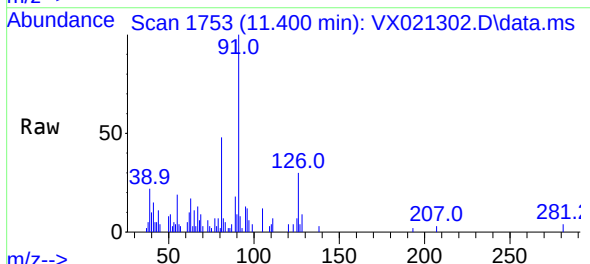
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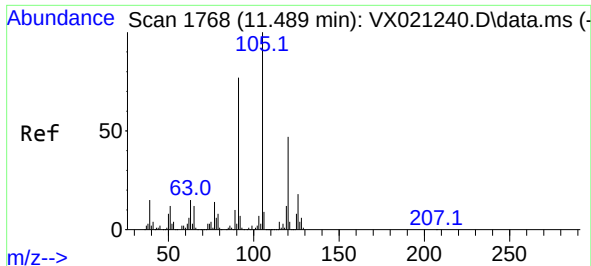
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#79
2-Chlorotoluene
Concen: 2.03 ug/l
RT: 11.400 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion: 91 Resp: 4401
Ion Ratio Lower Upper
91 100
126 25.9 16.6 49.8





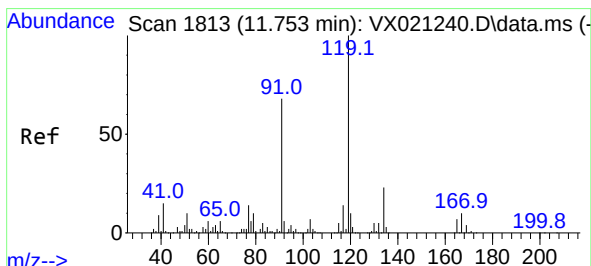
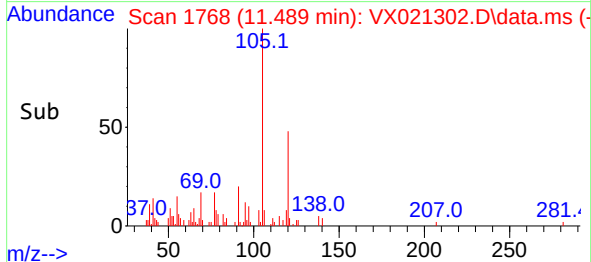
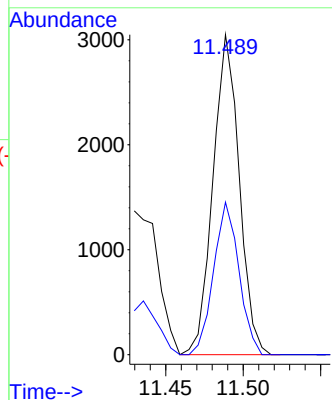
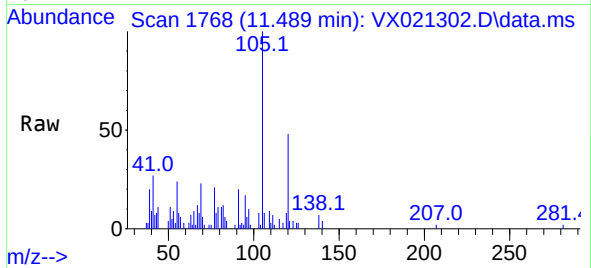
#80
1,3,5-Trimethylbenzene
Concen: 1.39 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion:105 Resp: 3586
Ion Ratio Lower Upper
105 100
120 46.0 23.8 71.5

Instrument :
MSVOA_X
ClientSampled :
MC-WC

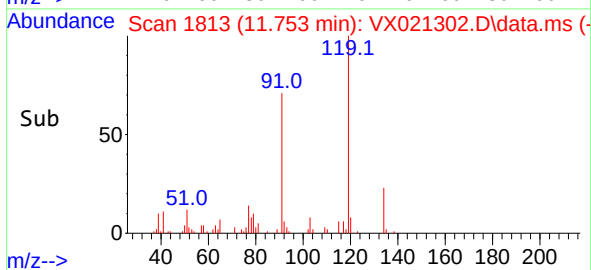
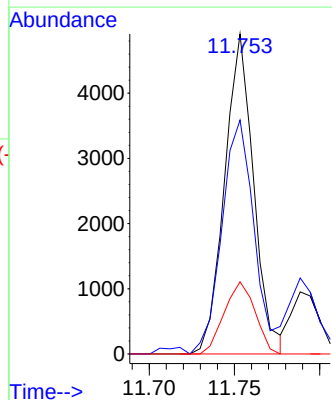
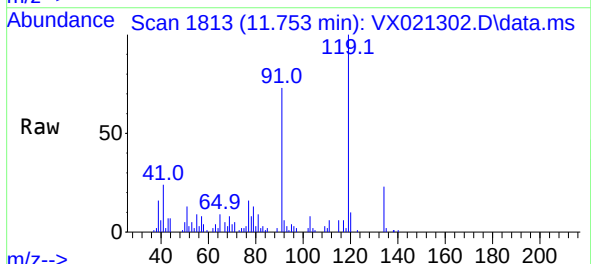
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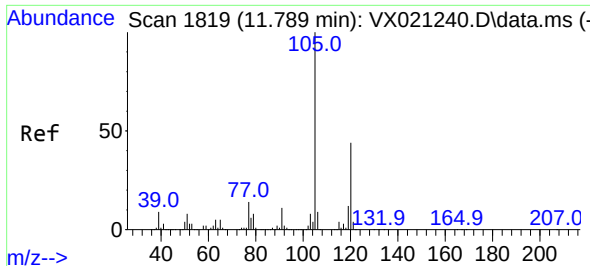
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#83
tert-Butylbenzene
Concen: 2.37 ug/l
RT: 11.753 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

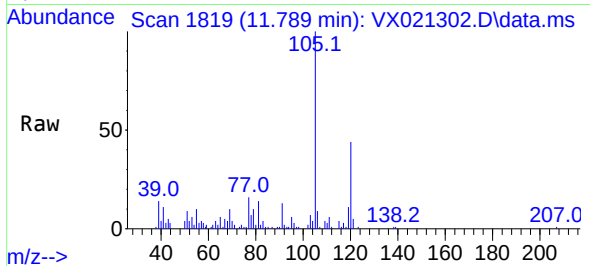
Tgt Ion:119 Resp: 5818
Ion Ratio Lower Upper
119 100
91 79.2 27.9 83.7
134 23.9 11.3 33.9





#84
1,2,4-Trimethylbenzene
Concen: 3.98 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

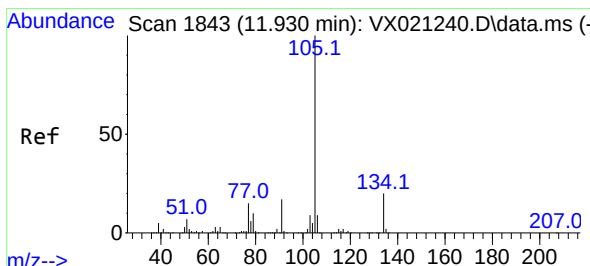
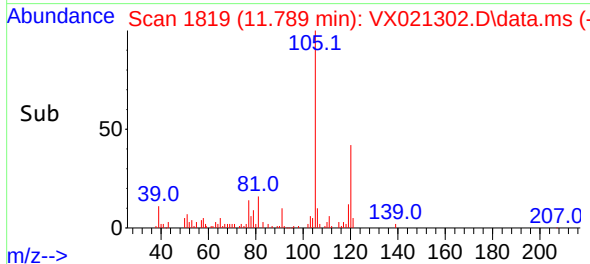
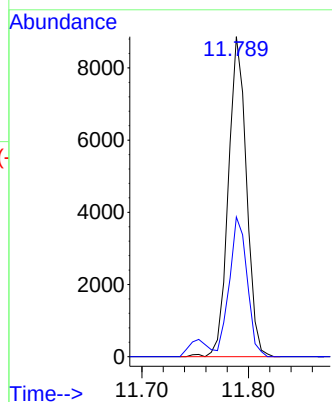
Instrument :
MSVOA_X
ClientSampleId :
MC-WC



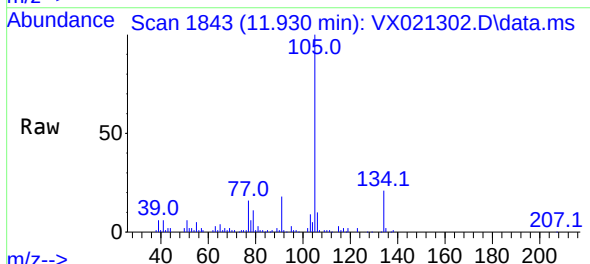
Tgt Ion:105 Resp: 10453
Ion Ratio Lower Upper
105 100
120 42.6 22.4 67.3

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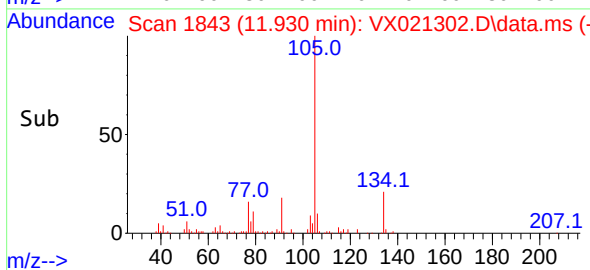
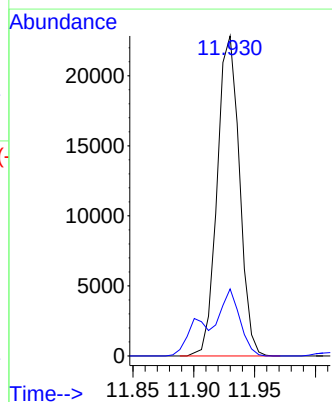
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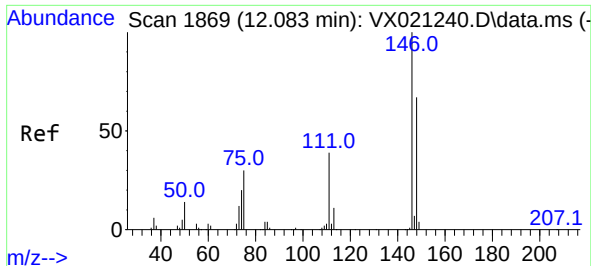


#85
sec-Butylbenzene
Concen: 10.01 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



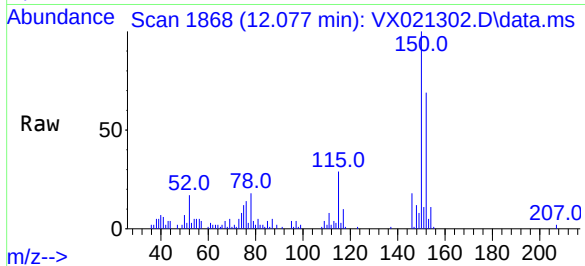
Tgt Ion:105 Resp: 29003
Ion Ratio Lower Upper
105 100
134 19.5 10.0 29.8





#88
1,4-Dichlorobenzene
Concen: 1.32 ug/l m
RT: 12.077 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

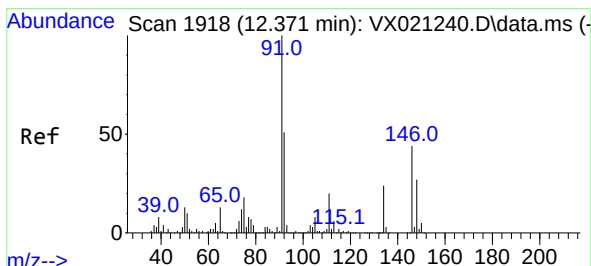
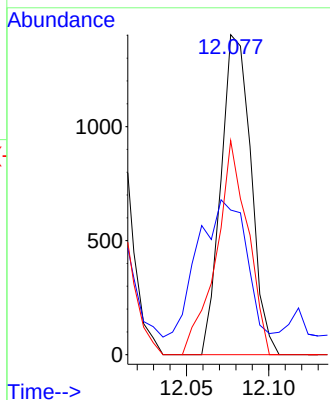
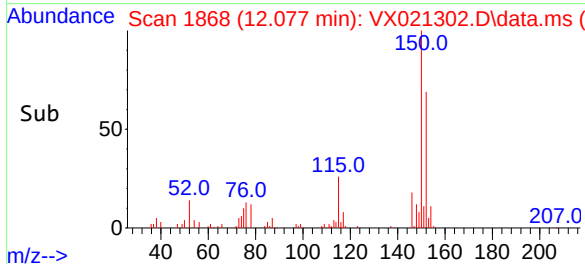
Instrument :
MSVOA_X
ClientSampled :
MC-WC



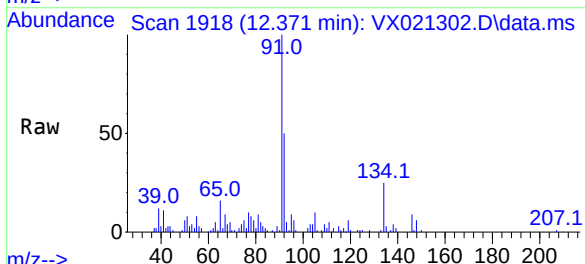
Tgt Ion:146 Resp: 1779
Ion Ratio Lower Upper
146 100
111 40.1 19.6 58.8
148 49.6 31.6 95.0

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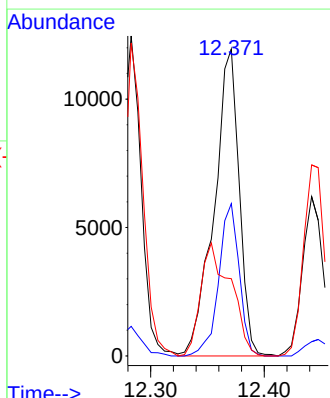
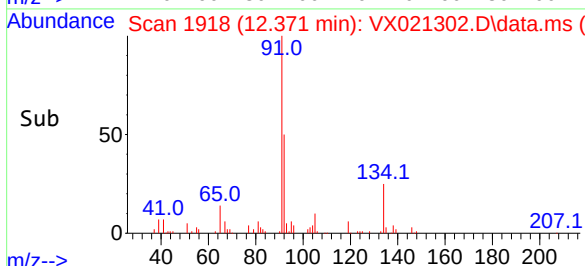
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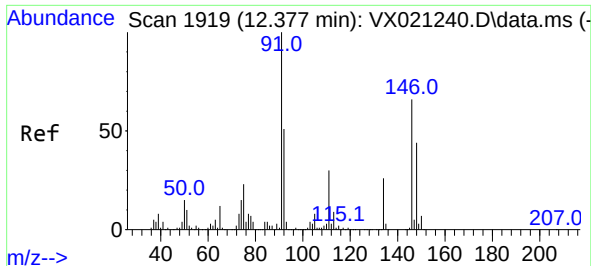


#89
n-Butylbenzene
Concen: 7.60 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16



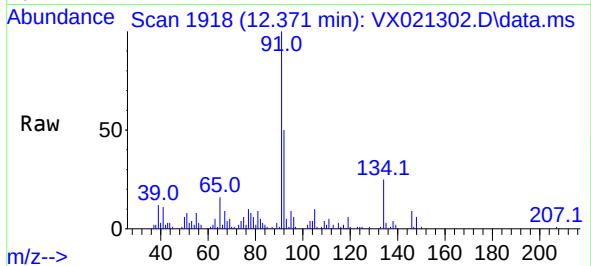
Tgt Ion: 91 Resp: 18379
Ion Ratio Lower Upper
91 100
92 40.5 27.4 82.0
134 43.8 13.2 39.5#





#91
1,2-Dichlorobenzene
Concen: 1.18 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. -0.006 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

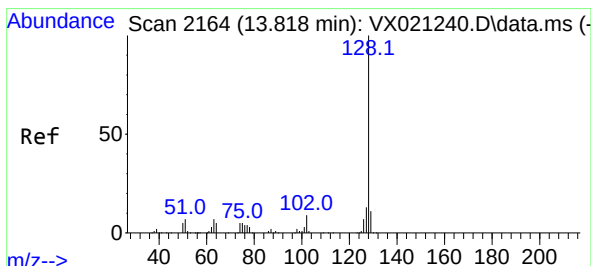
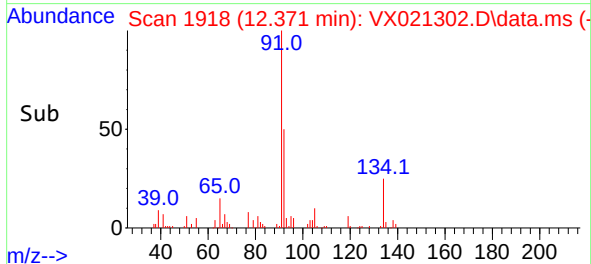
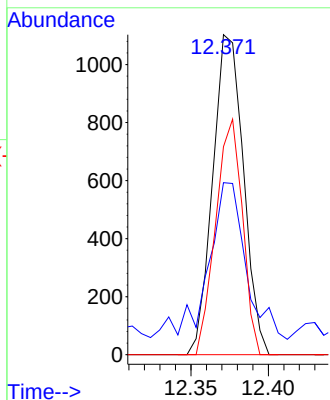
Instrument :
MSVOA_X
ClientSampled :
MC-WC



Tgt Ion:	146	Resp:	1522
Ion Ratio	Lower	Upper	
146	100		
111	60.2	20.8	62.2
148	64.0	31.9	95.5

Manual Integrations
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#95
Naphthalene
Concen: 2.90 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021302.D
Acq: 19 Mar 2021 15:16

Tgt Ion:	128	Resp:	8435
Ion Ratio	Lower	Upper	
128	100		
127	18.5	10.3	15.5#
129	15.6	8.8	13.2#

